

S59横断データ (-0.6~56.2). dat

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|---------|--------|---------|--------|---------|--------|---------|--------|----|-----|
| -0.6km | 0.000 | | | | 404 | 46 | 342 | 37 | 360 |
| -77.800 | -1.171 | -74.500 | -1.221 | -70.200 | -1.291 | -69.850 | -1.321 | | |
| -69.850 | -1.231 | -69.750 | -1.231 | -67.400 | -1.461 | -64.500 | -2.441 | | |
| -62.700 | -2.731 | -62.500 | -2.731 | -62.500 | -3.291 | -60.000 | -3.481 | | |
| -55.000 | -3.591 | -50.000 | -3.791 | -45.000 | -3.891 | -40.000 | -3.541 | | |
| -35.000 | -3.541 | -30.700 | -3.091 | -30.100 | -2.691 | -29.950 | -2.661 | | |
| -28.300 | -2.241 | -26.600 | -2.161 | -25.050 | -2.081 | -21.750 | -0.661 | | |
| -21.640 | -0.601 | -18.480 | -0.491 | -18.480 | -0.301 | -17.480 | -0.261 | | |
| -6.370 | 4.852 | -3.300 | 4.892 | -0.380 | 4.922 | -0.280 | 5.142 | | |
| 0.000 | 5.147 | 0.000 | 5.136 | 0.000 | 5.147 | 0.000 | 5.136 | | |
| 0.250 | 5.136 | 0.250 | 4.636 | 0.600 | 3.896 | 1.600 | 3.406 | | |
| 5.850 | 3.246 | 11.200 | 3.056 | 11.510 | 2.886 | 19.950 | 2.706 | | |
| 20.050 | 2.706 | 27.300 | 2.466 | 27.540 | 2.466 | 27.540 | 2.356 | | |
| 28.590 | 2.356 | 28.990 | 2.236 | 31.950 | 0.296 | 32.490 | -0.044 | | |
| 33.290 | -0.044 | 33.290 | -0.644 | 35.890 | -1.223 | 39.290 | -1.473 | | |
| 42.290 | -1.443 | 47.290 | -1.473 | 52.290 | -1.552 | 55.000 | -1.602 | | |
| 57.000 | -1.502 | 60.000 | -1.652 | 65.000 | -1.632 | 70.000 | -1.551 | | |
| 75.000 | -1.501 | 80.000 | -1.601 | 85.000 | -1.601 | 90.000 | -1.650 | | |
| 95.000 | -1.700 | 100.000 | -1.700 | 105.000 | -1.799 | 110.000 | -1.849 | | |
| 115.000 | -1.949 | 120.000 | -1.999 | 125.000 | -1.998 | 130.000 | -2.098 | | |
| 135.000 | -2.148 | 140.000 | -2.147 | 145.000 | -2.297 | 148.000 | -2.397 | | |
| 150.000 | -2.277 | 155.000 | -2.397 | 160.000 | -2.396 | 165.000 | -2.396 | | |
| 170.000 | -2.446 | 175.000 | -2.595 | 180.000 | -2.695 | 185.000 | -2.695 | | |
| 190.000 | -2.744 | 195.000 | -2.724 | 200.000 | -2.824 | 205.000 | -2.944 | | |
| 210.000 | -2.823 | 215.000 | -3.043 | 220.000 | -2.923 | 222.000 | -3.193 | | |
| 225.000 | -3.092 | 230.000 | -3.092 | 235.000 | -3.142 | 237.000 | -3.242 | | |
| 240.000 | -3.092 | 245.000 | -3.241 | 247.000 | -3.391 | 250.000 | -3.291 | | |
| 252.000 | -3.191 | 255.000 | -3.341 | 260.000 | -3.290 | 265.000 | -3.390 | | |
| 270.000 | -3.420 | 275.000 | -3.490 | 280.000 | -3.489 | 285.000 | -3.519 | | |
| 290.000 | -3.639 | 295.000 | -3.588 | 300.000 | -3.588 | 305.000 | -3.688 | | |
| 310.000 | -3.717 | 315.000 | -3.787 | 320.000 | -3.737 | 325.000 | -3.737 | | |
| 330.000 | -3.586 | 335.000 | -3.586 | 340.000 | -3.586 | 345.000 | -3.635 | | |
| 350.000 | -3.585 | 355.000 | -3.535 | 360.000 | -3.585 | 365.000 | -3.584 | | |
| 370.000 | -3.614 | 375.000 | -3.534 | 380.000 | -3.583 | 385.000 | -3.633 | | |
| 390.000 | -3.583 | 395.000 | -3.583 | 400.000 | -3.482 | 405.000 | -3.532 | | |
| 410.000 | -3.482 | 415.000 | -3.481 | 420.000 | -3.381 | 425.000 | -3.381 | | |
| 430.000 | -3.281 | 435.000 | -3.280 | 440.000 | -3.330 | 445.000 | -3.180 | | |
| 450.000 | -3.129 | 455.000 | -3.209 | 460.000 | -3.079 | 465.000 | -3.108 | | |
| 470.000 | -3.078 | 475.000 | -3.028 | 480.000 | -3.058 | 485.000 | -3.077 | | |
| 490.000 | -3.057 | 495.000 | -3.007 | 500.000 | -3.006 | 505.000 | -3.026 | | |
| 510.000 | -3.056 | 515.000 | -2.926 | 520.000 | -3.025 | 525.000 | -2.925 | | |
| 530.000 | -2.925 | 535.000 | -2.974 | 540.000 | -2.974 | 545.000 | -2.904 | | |
| 550.000 | -2.904 | 555.000 | -2.823 | 560.000 | -2.773 | 565.000 | -2.773 | | |
| 570.000 | -2.722 | 575.000 | -2.672 | 580.000 | -2.572 | 585.000 | -2.572 | | |
| 590.000 | -2.521 | 595.000 | -2.451 | 600.000 | -2.371 | 605.000 | -2.350 | | |
| 610.000 | -2.320 | 615.000 | -2.220 | 620.000 | -2.169 | 625.000 | -2.119 | | |
| 630.000 | -2.069 | 635.000 | -2.019 | 640.000 | -2.018 | 645.000 | -1.968 | | |
| 650.000 | -1.918 | 655.000 | -1.867 | 660.000 | -1.967 | 665.000 | -1.847 | | |
| 670.000 | -1.947 | 675.000 | -1.866 | 680.000 | -1.816 | 685.000 | -1.816 | | |
| 690.000 | -1.865 | 694.990 | -1.815 | 699.990 | -1.865 | 704.990 | -1.765 | | |
| 709.990 | -1.914 | 714.990 | -1.844 | 719.990 | -1.794 | 724.990 | -1.713 | | |
| 729.990 | -1.863 | 734.990 | -1.763 | 739.990 | -1.813 | 744.990 | -1.762 | | |
| 749.990 | -1.762 | 754.990 | -1.792 | 759.990 | -1.841 | 764.990 | -1.761 | | |
| 769.990 | -1.761 | 774.990 | -1.760 | 779.990 | -1.790 | 784.990 | -1.810 | | |
| 789.990 | -1.810 | 794.990 | -1.809 | 799.990 | -1.859 | 804.990 | -1.759 | | |

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 809.990 | -1.788 | 814.990 | -1.808 | 819.990 | -1.808 | 824.990 | -1.858 |
| 829.990 | -1.857 | 834.990 | -1.787 | 839.990 | -1.757 | 844.990 | -1.856 |
| 849.990 | -1.856 | 854.990 | -1.886 | 859.990 | -1.856 | 864.990 | -1.805 |
| 869.990 | -1.905 | 874.990 | -1.855 | 879.990 | -1.804 | 884.990 | -1.904 |
| 889.990 | -1.954 | 894.990 | -1.884 | 899.990 | -1.883 | 904.990 | -1.953 |
| 909.990 | -1.953 | 914.990 | -2.002 | 919.990 | -2.002 | 924.990 | -2.002 |
| 929.990 | -2.031 | 934.990 | -2.031 | 939.990 | -2.201 | 944.990 | -2.101 |
| 949.990 | -2.100 | 954.990 | -2.150 | 959.990 | -2.300 | 964.990 | -2.249 |
| 969.990 | -2.349 | 974.990 | -2.349 | 979.990 | -2.399 | 984.990 | -2.378 |
| 989.990 | -2.528 | 994.990 | -2.548 | 999.990 | -2.597 | 1004.990 | -2.677 |
| 1009.990 | -2.697 | 1014.990 | -2.797 | 1019.990 | -2.876 | 1024.990 | -2.926 |
| 1029.990 | -2.996 | 1034.990 | -2.995 | 1039.990 | -3.045 | 1044.990 | -3.045 |
| 1049.990 | -3.274 | 1054.990 | -3.074 | 1059.990 | -3.194 | 1064.990 | -3.244 |
| 1069.990 | -3.243 | 1074.990 | -3.243 | 1079.990 | -3.243 | 1084.990 | -3.192 |
| 1089.990 | -3.342 | 1094.990 | -2.642 | 1097.990 | -2.792 | 1099.990 | -3.142 |
| 1104.990 | -3.441 | 1109.990 | -3.441 | 1114.990 | -3.521 | 1119.990 | -3.440 |
| 1124.990 | -3.440 | 1129.990 | -3.390 | 1134.990 | -3.340 | 1139.990 | -3.439 |
| 1144.990 | -3.539 | 1149.990 | -3.639 | 1154.990 | -3.718 | 1159.990 | -3.688 |
| 1164.990 | -3.638 | 1169.990 | -3.638 | 1174.990 | -3.687 | 1179.990 | -3.687 |
| 1184.990 | -3.737 | 1189.990 | -3.836 | 1194.990 | -3.836 | 1199.990 | -3.886 |
| 1204.990 | -3.785 | 1209.990 | -3.835 | 1214.990 | -4.035 | 1219.990 | -3.935 |
| 1224.990 | -4.034 | 1229.990 | -3.934 | 1234.990 | -4.064 | 1239.990 | -4.283 |
| 1244.990 | -4.283 | 1249.990 | -4.433 | 1254.990 | -4.533 | 1259.990 | -4.462 |
| 1264.990 | -4.682 | 1269.990 | -4.582 | 1274.990 | -4.681 | 1279.990 | -4.681 |
| 1281.990 | -4.831 | 1284.990 | -4.631 | 1289.990 | -4.931 | 1294.990 | -5.030 |
| 1299.990 | -4.930 | 1304.990 | -4.760 | 1307.990 | -4.860 | 1309.990 | -4.729 |
| 1314.990 | -4.659 | 1319.990 | -4.729 | 1324.990 | -4.829 | 1329.990 | -4.778 |
| 1334.990 | -4.978 | 1339.990 | -5.028 | 1344.990 | -5.177 | 1348.990 | -5.507 |
| 1349.990 | -5.327 | 1354.990 | -5.477 | 1356.990 | -5.577 | 1360.790 | -5.426 |
| 1364.950 | -5.436 | 1369.950 | -4.766 | 1373.250 | -3.666 | 1382.450 | -0.615 |
| 1384.450 | -0.265 | 1384.450 | 0.375 | 1384.450 | 0.373 | 1385.050 | 0.383 |
| 1388.450 | 2.583 | 1388.750 | 2.703 | 1389.750 | 2.753 | 1389.950 | 2.763 |
| 1389.950 | 2.755 | 1393.850 | 2.875 | 1398.050 | 3.025 | 1400.950 | 4.775 |
| 1402.350 | 4.805 | 1403.450 | 3.875 | 1406.650 | 3.885 | 1407.750 | 3.395 |
| 1409.350 | 2.085 | 1410.020 | 2.115 | 1410.700 | 2.125 | 1413.950 | 3.773 |
| 1414.390 | 4.090 | 1414.660 | 4.440 | 1414.660 | 6.980 | 1415.360 | 6.980 |
| 1415.360 | 5.200 | 1416.350 | 5.200 | 1416.350 | 5.198 | 1416.590 | 5.189 |
| 1416.750 | 4.909 | 1417.000 | 4.909 | 1417.000 | 4.849 | 1419.450 | 4.789 |
| 1421.820 | 4.739 | 1422.230 | 4.749 | 1422.560 | 4.739 | 1422.600 | 4.569 |
| 1429.330 | 1.049 | 1429.890 | 1.029 | 1429.890 | 0.759 | 1432.650 | 0.729 |
| 1435.100 | 0.719 | 1435.270 | 0.709 | 1436.500 | 0.079 | 1440.750 | -0.151 |
| 1443.850 | -0.301 | 1454.350 | -0.361 | 1458.850 | -0.431 | 1460.150 | -0.351 |
| 1469.350 | -0.441 | 1469.350 | -0.291 | 1469.480 | -0.291 | 1469.480 | -0.371 |
| 1472.250 | -0.381 | 1473.750 | -0.361 | 1474.050 | 0.459 | 1476.150 | 0.509 |
| 1476.400 | -0.371 | 1476.750 | -0.371 | 1478.250 | -0.361 | 1478.250 | -0.221 |
| 1479.750 | -0.221 | 1479.750 | -0.371 | 1480.850 | -0.361 | 1480.850 | -0.211 |
| 1488.250 | -0.211 | 1488.250 | -0.371 | 1489.250 | -0.371 | 1491.350 | -0.451 |
| -0.4km | 0.000 | | | | 363 | 45 322 | 38 328 |
| -79.000 | -3.022 | -69.300 | -3.142 | -63.800 | -3.272 | -63.800 | -2.902 |
| -61.000 | -2.912 | -61.000 | -3.592 | -60.000 | -3.782 | -55.000 | -3.112 |
| -50.000 | -3.082 | -45.000 | -3.062 | -40.000 | -3.122 | -35.000 | -3.442 |
| -31.500 | -2.772 | -31.500 | -1.612 | -31.100 | -1.612 | -31.100 | -1.102 |
| -30.900 | -1.102 | -29.800 | -1.052 | -27.400 | -0.942 | -24.300 | -0.842 |
| -23.000 | -0.902 | -22.090 | -0.832 | -21.700 | -0.782 | -18.500 | -0.722 |
| -18.500 | -0.522 | -17.630 | -0.532 | -6.830 | 4.388 | -6.790 | 4.578 |
| -6.420 | 4.568 | -6.150 | 4.688 | -3.300 | 4.718 | -0.470 | 4.738 |

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|----------|--------|----------|--------|----------|--------|----------|--------|
| -0.340 | 4.948 | 0.000 | 4.956 | 0.000 | 4.955 | 0.000 | 4.956 |
| 0.000 | 4.955 | 0.200 | 4.955 | 0.200 | 4.195 | 1.000 | 3.475 |
| 5.000 | 3.285 | 11.700 | 3.035 | 17.000 | 2.836 | 22.400 | 2.636 |
| 27.660 | 2.466 | 29.030 | 2.435 | 29.430 | 2.255 | 32.400 | 0.405 |
| 32.930 | 0.025 | 33.630 | 0.015 | 33.630 | -0.595 | 36.230 | -0.994 |
| 39.430 | -1.674 | 42.630 | -1.694 | 47.630 | -1.764 | 52.630 | -1.763 |
| 55.000 | -1.693 | 60.000 | -1.692 | 65.000 | -1.692 | 70.000 | -1.742 |
| 71.000 | -1.692 | 75.000 | -1.721 | 80.000 | -1.741 | 85.000 | -1.740 |
| 90.700 | -1.840 | 95.000 | -1.840 | 100.600 | -1.939 | 105.000 | -1.889 |
| 110.000 | -1.988 | 115.000 | -1.988 | 120.700 | -1.987 | 125.000 | -2.137 |
| 130.000 | -2.137 | 135.000 | -2.236 | 140.000 | -2.286 | 145.000 | -2.335 |
| 150.000 | -2.335 | 155.000 | -2.535 | 160.000 | -2.584 | 165.000 | -2.584 |
| 170.000 | -2.613 | 175.000 | -2.713 | 180.000 | -2.683 | 185.000 | -2.832 |
| 190.000 | -2.832 | 195.000 | -2.881 | 200.000 | -2.931 | 203.000 | -3.131 |
| 205.000 | -3.080 | 210.000 | -3.080 | 215.000 | -3.130 | 220.000 | -3.079 |
| 225.000 | -3.179 | 228.000 | -3.079 | 230.000 | -3.178 | 235.000 | -3.378 |
| 240.000 | -3.228 | 245.000 | -3.327 | 250.000 | -3.327 | 255.000 | -3.126 |
| 260.000 | -3.326 | 265.000 | -3.275 | 270.000 | -3.425 | 275.000 | -3.375 |
| 280.000 | -3.354 | 285.000 | -3.354 | 290.000 | -3.473 | 295.000 | -3.473 |
| 298.000 | -3.573 | 300.000 | -3.373 | 305.000 | -3.522 | 310.000 | -3.472 |
| 315.000 | -3.471 | 320.000 | -3.421 | 325.000 | -3.450 | 330.000 | -3.550 |
| 335.000 | -3.570 | 340.000 | -3.449 | 345.000 | -3.519 | 350.000 | -3.468 |
| 355.000 | -3.568 | 360.000 | -3.568 | 365.000 | -3.417 | 370.000 | -3.517 |
| 375.000 | -3.466 | 380.000 | -3.466 | 385.000 | -3.515 | 390.000 | -3.565 |
| 395.000 | -3.565 | 400.000 | -3.514 | 405.000 | -3.564 | 410.000 | -3.463 |
| 415.000 | -3.413 | 420.000 | -3.363 | 425.000 | -3.362 | 430.000 | -3.312 |
| 435.000 | -3.261 | 440.000 | -3.261 | 445.000 | -3.310 | 450.000 | -3.310 |
| 455.000 | -3.260 | 460.000 | -3.289 | 465.000 | -3.289 | 470.000 | -3.158 |
| 475.000 | -3.158 | 480.000 | -3.158 | 485.000 | -3.107 | 490.000 | -3.007 |
| 495.000 | -3.056 | 500.000 | -3.006 | 505.000 | -2.955 | 510.000 | -2.955 |
| 515.000 | -2.905 | 520.000 | -2.904 | 525.000 | -2.804 | 530.000 | -2.803 |
| 535.000 | -2.803 | 540.000 | -2.783 | 545.000 | -2.752 | 550.000 | -2.752 |
| 555.000 | -2.651 | 560.000 | -2.601 | 565.000 | -2.550 | 570.000 | -2.550 |
| 575.000 | -2.400 | 580.000 | -2.349 | 585.000 | -2.349 | 590.000 | -2.248 |
| 595.000 | -2.198 | 600.000 | -2.148 | 605.000 | -2.097 | 610.000 | -1.947 |
| 615.000 | -1.996 | 620.000 | -1.946 | 625.000 | -1.945 | 630.000 | -1.875 |
| 635.000 | -1.845 | 640.000 | -1.844 | 645.000 | -1.744 | 650.000 | -1.743 |
| 655.000 | -1.843 | 659.990 | -1.793 | 664.990 | -1.792 | 669.990 | -1.792 |
| 674.990 | -1.791 | 679.990 | -1.891 | 684.990 | -1.790 | 689.990 | -1.840 |
| 694.990 | -1.840 | 699.990 | -1.839 | 704.990 | -1.839 | 709.990 | -1.838 |
| 714.990 | -1.888 | 719.990 | -1.838 | 724.990 | -1.837 | 729.990 | -1.867 |
| 734.990 | -1.936 | 739.990 | -1.786 | 744.990 | -1.885 | 749.990 | -1.785 |
| 754.990 | -1.885 | 759.990 | -1.834 | 764.990 | -1.884 | 769.990 | -1.883 |
| 774.990 | -1.863 | 779.990 | -1.883 | 784.990 | -1.982 | 789.990 | -1.982 |
| 794.990 | -1.881 | 799.990 | -1.931 | 804.990 | -2.030 | 809.990 | -2.030 |
| 814.990 | -2.030 | 819.990 | -2.079 | 824.990 | -2.079 | 829.990 | -2.078 |
| 834.990 | -2.128 | 839.990 | -2.128 | 844.990 | -2.227 | 849.990 | -2.177 |
| 854.990 | -2.226 | 859.990 | -2.126 | 864.990 | -2.225 | 869.990 | -2.375 |
| 874.990 | -2.225 | 879.990 | -2.274 | 884.990 | -2.374 | 889.990 | -2.273 |
| 894.990 | -2.373 | 899.990 | -2.423 | 904.990 | -2.472 | 909.990 | -2.572 |
| 914.990 | -2.571 | 919.990 | -2.521 | 924.990 | -2.620 | 929.990 | -2.720 |
| 934.990 | -2.820 | 939.990 | -2.919 | 944.990 | -2.999 | 949.990 | -3.118 |
| 954.990 | -3.268 | 959.990 | -3.368 | 964.990 | -3.317 | 969.990 | -3.467 |
| 974.990 | -3.546 | 979.990 | -3.616 | 984.990 | -3.665 | 989.990 | -3.715 |
| 994.990 | -3.545 | 999.990 | -3.544 | 1004.990 | -2.564 | 1009.990 | -2.613 |
| 1014.990 | -3.263 | 1019.990 | -3.393 | 1024.990 | -3.462 | 1029.990 | -3.412 |

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| | | | | | | | |
|----------|--------|----------|--------|----------|--------|----------|--------|
| 1034.990 | -3.511 | 1039.990 | -3.511 | 1044.990 | -3.510 | 1049.990 | -3.460 |
| 1054.990 | -3.510 | 1059.990 | -3.509 | 1064.990 | -3.509 | 1069.990 | -3.558 |
| 1074.990 | -3.608 | 1079.990 | -3.608 | 1084.990 | -3.607 | 1089.990 | -3.607 |
| 1094.990 | -3.856 | 1099.990 | -3.756 | 1104.990 | -3.855 | 1109.990 | -3.905 |
| 1112.990 | -3.755 | 1114.990 | -3.805 | 1119.990 | -3.804 | 1124.990 | -3.904 |
| 1129.990 | -4.003 | 1134.990 | -4.003 | 1139.990 | -4.103 | 1144.990 | -4.102 |
| 1149.990 | -4.202 | 1154.990 | -4.201 | 1159.990 | -4.301 | 1164.990 | -4.100 |
| 1169.990 | -4.200 | 1174.990 | -4.350 | 1182.990 | -4.299 | 1184.990 | -4.399 |
| 1189.990 | -4.698 | 1194.990 | -4.698 | 1199.990 | -4.798 | 1204.990 | -4.997 |
| 1209.990 | -5.077 | 1214.990 | -5.146 | 1219.990 | -5.246 | 1224.990 | -5.295 |
| 1229.990 | -5.345 | 1234.990 | -5.245 | 1239.990 | -5.444 | 1244.990 | -5.544 |
| 1250.990 | -5.243 | 1254.990 | -5.243 | 1259.990 | -5.293 | 1264.990 | -5.342 |
| 1269.990 | -5.292 | 1274.990 | -5.341 | 1279.990 | -4.891 | 1284.990 | -3.990 |
| 1289.990 | -2.990 | 1292.510 | -2.890 | 1297.510 | -1.749 | 1302.510 | -1.579 |
| 1307.510 | -1.689 | 1310.010 | -1.258 | 1312.010 | -0.508 | 1312.010 | 0.242 |
| 1312.610 | 0.252 | 1312.990 | 0.512 | 1316.010 | 2.411 | 1316.310 | 2.541 |
| 1317.310 | 2.581 | 1317.510 | 2.581 | 1317.510 | 2.571 | 1324.310 | 2.791 |
| 1329.010 | 2.941 | 1333.510 | 3.101 | 1338.210 | 3.271 | 1342.860 | 3.441 |
| 1343.410 | 3.681 | 1343.860 | 4.071 | 1344.020 | 4.581 | 1344.020 | 4.941 |
| 1344.310 | 4.941 | 1344.310 | 4.955 | 1344.530 | 4.938 | 1344.660 | 4.628 |
| 1344.860 | 4.628 | 1347.210 | 4.568 | 1350.080 | 4.488 | 1352.810 | 4.478 |
| 1354.840 | 4.488 | 1355.230 | 4.478 | 1363.730 | 0.356 | 1367.560 | 0.156 |
| 1371.360 | -0.034 | 1374.810 | -0.174 | 1375.550 | -0.264 | 1375.910 | -0.264 |
| 1375.910 | -1.424 | 1375.910 | -2.404 | 1375.910 | -2.974 | 1376.810 | -3.054 |
| 1379.310 | -3.204 | 1384.310 | -4.254 | 1389.310 | -4.654 | 1394.310 | -4.554 |
| 1399.310 | -4.174 | 1404.310 | -4.554 | 1409.310 | -4.404 | 1414.310 | -4.254 |
| 1419.310 | -4.254 | 1424.310 | -2.404 | 1424.310 | -4.104 | | |
| -0.2km | 0.000 | | | | 347 | 44 301 | 37 311 |
| -78.000 | -2.215 | -68.500 | -2.205 | -67.900 | -1.375 | -64.500 | -1.605 |
| -62.800 | -2.505 | -61.800 | -2.735 | -60.900 | -2.925 | -60.900 | -3.165 |
| -60.000 | -3.205 | -55.000 | -3.345 | -50.000 | -3.505 | -45.000 | -3.115 |
| -40.000 | -3.145 | -35.000 | -3.315 | -32.000 | -3.365 | -29.250 | -2.925 |
| -29.250 | -2.835 | -28.300 | -2.445 | -27.200 | -2.305 | -26.100 | -2.175 |
| -24.800 | -1.955 | -21.900 | -0.765 | -21.680 | -0.764 | -18.640 | -0.694 |
| -18.640 | -0.524 | -17.750 | -0.514 | -6.770 | 4.422 | -6.770 | 4.622 |
| -6.370 | 4.612 | -3.250 | 4.642 | -0.380 | 4.692 | -0.250 | 4.952 |
| 0.000 | 4.963 | 0.000 | 4.950 | 0.000 | 4.963 | 0.000 | 4.950 |
| 0.300 | 4.950 | 0.300 | 4.490 | 1.000 | 3.550 | 5.000 | 3.380 |
| 10.000 | 3.180 | 15.000 | 3.010 | 21.400 | 2.790 | 28.000 | 2.570 |
| 28.080 | 2.530 | 29.070 | 2.520 | 29.460 | 2.276 | 32.350 | 0.566 |
| 33.160 | 0.126 | 34.960 | 0.126 | 34.960 | -0.534 | 36.060 | -0.904 |
| 39.360 | -1.503 | 44.060 | -1.473 | 49.060 | -1.513 | 54.060 | -1.573 |
| 59.060 | -1.613 | 60.000 | -1.533 | 65.000 | -1.633 | 70.000 | -1.683 |
| 75.000 | -1.733 | 80.000 | -1.783 | 85.000 | -1.783 | 90.000 | -1.883 |
| 95.000 | -1.933 | 100.000 | -2.083 | 105.000 | -2.083 | 110.000 | -2.163 |
| 115.000 | -2.313 | 120.000 | -2.333 | 125.000 | -2.363 | 130.000 | -2.433 |
| 135.000 | -2.582 | 140.000 | -2.632 | 145.000 | -2.732 | 150.000 | -2.832 |
| 155.000 | -2.932 | 160.000 | -2.932 | 165.000 | -3.082 | 170.000 | -3.132 |
| 175.000 | -3.132 | 180.000 | -3.232 | 185.000 | -3.182 | 190.000 | -3.282 |
| 195.000 | -3.282 | 200.000 | -3.462 | 205.000 | -3.382 | 209.990 | -3.532 |
| 214.990 | -3.632 | 219.990 | -3.432 | 224.990 | -3.632 | 229.990 | -3.582 |
| 234.990 | -3.631 | 239.990 | -3.431 | 244.990 | -3.611 | 249.990 | -3.681 |
| 254.990 | -3.581 | 259.990 | -3.661 | 264.990 | -3.781 | 269.990 | -3.681 |
| 274.990 | -3.761 | 279.990 | -3.731 | 284.990 | -3.681 | 289.990 | -3.681 |
| 294.990 | -3.761 | 299.990 | -3.931 | 304.990 | -3.761 | 309.990 | -3.681 |
| 314.990 | -3.731 | 319.990 | -3.531 | 324.990 | -3.581 | 329.990 | -3.580 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 334.990 | -3.660 | 339.990 | -3.380 | 344.990 | -3.580 | 349.990 | -3.480 |
| 354.990 | -3.430 | 359.990 | -3.430 | 364.990 | -3.430 | 369.990 | -3.380 |
| 374.990 | -3.380 | 379.990 | -3.360 | 384.990 | -3.380 | 389.990 | -3.380 |
| 394.990 | -3.330 | 399.990 | -3.280 | 404.990 | -3.360 | 409.990 | -3.360 |
| 414.990 | -3.280 | 419.990 | -3.260 | 424.990 | -3.279 | 429.990 | -3.209 |
| 434.990 | -3.209 | 439.990 | -3.129 | 444.990 | -3.079 | 449.990 | -3.059 |
| 454.990 | -2.979 | 459.990 | -2.929 | 464.990 | -2.929 | 469.990 | -2.829 |
| 474.990 | -2.879 | 479.990 | -2.829 | 484.990 | -2.779 | 489.990 | -2.729 |
| 494.990 | -2.679 | 499.990 | -2.629 | 504.990 | -2.679 | 509.990 | -2.629 |
| 514.990 | -2.629 | 519.990 | -2.578 | 524.990 | -2.528 | 529.990 | -2.478 |
| 534.990 | -2.478 | 539.990 | -2.478 | 544.990 | -2.458 | 549.990 | -2.378 |
| 554.990 | -2.378 | 559.990 | -2.278 | 564.990 | -2.228 | 569.990 | -2.278 |
| 574.990 | -2.228 | 579.990 | -2.228 | 584.990 | -2.128 | 589.990 | -2.178 |
| 594.990 | -2.078 | 599.990 | -2.028 | 604.990 | -2.008 | 609.990 | -2.028 |
| 614.990 | -2.028 | 619.980 | -1.927 | 624.980 | -1.927 | 629.980 | -1.927 |
| 634.980 | -1.827 | 639.980 | -1.957 | 644.980 | -1.927 | 649.980 | -1.827 |
| 654.980 | -1.927 | 659.980 | -1.927 | 664.980 | -1.927 | 669.980 | -1.927 |
| 674.980 | -1.927 | 679.980 | -1.927 | 684.980 | -1.927 | 689.980 | -1.977 |
| 694.980 | -1.957 | 699.980 | -1.927 | 704.980 | -1.927 | 709.980 | -1.927 |
| 714.980 | -1.926 | 719.980 | -1.976 | 724.980 | -1.976 | 729.980 | -1.956 |
| 734.980 | -1.926 | 739.980 | -2.026 | 744.980 | -2.026 | 749.980 | -2.076 |
| 754.980 | -2.026 | 759.980 | -2.076 | 764.980 | -2.126 | 769.980 | -2.126 |
| 774.980 | -2.276 | 779.980 | -2.356 | 784.980 | -2.226 | 789.980 | -2.326 |
| 794.980 | -2.376 | 799.980 | -2.426 | 804.980 | -2.476 | 809.980 | -2.525 |
| 814.980 | -2.575 | 819.980 | -2.575 | 824.980 | -2.625 | 829.980 | -2.675 |
| 834.980 | -2.675 | 839.980 | -2.675 | 844.980 | -2.825 | 849.980 | -2.875 |
| 854.980 | -2.925 | 859.980 | -3.025 | 864.980 | -3.025 | 869.980 | -3.075 |
| 874.980 | -3.225 | 879.980 | -3.325 | 884.980 | -3.375 | 889.980 | -3.425 |
| 894.980 | -3.475 | 899.980 | -3.625 | 904.980 | -3.624 | 909.980 | -3.574 |
| 914.980 | -2.654 | 919.980 | -2.924 | 924.980 | -3.674 | 929.980 | -3.754 |
| 934.980 | -3.854 | 939.980 | -3.874 | 944.980 | -3.954 | 949.980 | -3.954 |
| 954.980 | -4.074 | 959.980 | -4.124 | 964.980 | -4.174 | 969.980 | -4.124 |
| 974.980 | -4.124 | 979.980 | -4.124 | 984.980 | -4.174 | 989.980 | -4.174 |
| 994.980 | -4.174 | 999.980 | -4.174 | 1004.980 | -4.203 | 1009.980 | -4.253 |
| 1014.980 | -4.323 | 1019.980 | -4.423 | 1024.980 | -4.473 | 1029.980 | -4.423 |
| 1034.970 | -4.473 | 1039.970 | -4.523 | 1044.970 | -4.523 | 1049.970 | -4.573 |
| 1054.970 | -4.523 | 1059.970 | -4.523 | 1064.970 | -4.523 | 1069.970 | -4.573 |
| 1074.970 | -4.573 | 1079.970 | -4.623 | 1084.970 | -4.673 | 1089.970 | -4.723 |
| 1094.970 | -4.773 | 1099.970 | -4.752 | 1104.970 | -4.922 | 1109.970 | -4.952 |
| 1114.970 | -4.922 | 1119.970 | -4.922 | 1124.970 | -5.022 | 1129.970 | -5.152 |
| 1134.970 | -5.172 | 1139.970 | -5.172 | 1144.970 | -5.222 | 1149.970 | -5.272 |
| 1154.970 | -5.322 | 1159.970 | -5.372 | 1164.970 | -5.422 | 1169.970 | -5.372 |
| 1174.970 | -5.322 | 1179.970 | -5.322 | 1184.970 | -5.522 | 1189.970 | -4.922 |
| 1194.970 | -4.971 | 1199.970 | -4.271 | 1204.970 | -3.721 | 1209.970 | -3.521 |
| 1214.870 | -3.281 | 1219.870 | -2.881 | 1224.870 | -2.161 | 1228.170 | -1.861 |
| 1233.570 | -0.961 | 1235.170 | -0.511 | 1235.170 | 0.289 | 1236.170 | 0.269 |
| 1236.620 | 0.579 | 1239.520 | 2.461 | 1239.870 | 2.604 | 1239.870 | 2.597 |
| 1240.810 | 2.687 | 1241.010 | 2.687 | 1245.080 | 2.797 | 1249.930 | 2.907 |
| 1255.030 | 3.127 | 1260.380 | 3.317 | 1266.130 | 3.407 | 1266.880 | 3.847 |
| 1267.140 | 4.537 | 1267.140 | 5.007 | 1267.430 | 5.007 | 1267.430 | 5.015 |
| 1267.650 | 5.006 | 1267.800 | 4.726 | 1270.330 | 4.676 | 1277.630 | 4.546 |
| 1278.150 | 4.556 | 1279.430 | 4.546 | 1284.230 | 4.406 | 1284.230 | 4.536 |
| 1284.380 | 4.536 | 1292.430 | 4.316 | 1297.830 | 4.026 | 1298.030 | 4.026 |
| 1298.030 | 3.866 | 1299.480 | 3.836 | 1299.480 | 3.996 | 1299.680 | 3.996 |
| 1302.430 | 4.016 | 1313.830 | 3.876 | 1314.880 | 3.676 | 1315.080 | 3.676 |
| 1315.080 | 3.536 | 1317.430 | 3.646 | 1321.430 | 3.756 | 1329.430 | 3.686 |

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 1329.780 | 3.656 | 1329.780 | 3.756 | 1329.880 | 3.756 | 1331.430 | 3.806 |
| 1332.430 | 3.726 | 1332.580 | 3.726 | 1339.600 | -0.788 | 1339.900 | -0.788 |
| 1339.900 | -0.798 | 1340.330 | -0.738 | 1344.430 | -0.598 | | |
| 0.0km | 0.000 | | | | 328 | 43 278 | 34 292 |
| -77.700 | -1.271 | -75.300 | -2.301 | -74.100 | -2.511 | -74.100 | -2.801 |
| -74.100 | -2.931 | -71.500 | -3.161 | -70.000 | -3.211 | -65.000 | -2.931 |
| -60.000 | -2.881 | -55.000 | -2.931 | -50.000 | -3.261 | -45.000 | -3.001 |
| -40.000 | -3.101 | -36.500 | -2.811 | -31.300 | -2.241 | -30.800 | -2.061 |
| -29.500 | -2.071 | -27.000 | -2.011 | -26.000 | -1.871 | -22.250 | -0.281 |
| -22.070 | -0.290 | -20.500 | -0.250 | -19.040 | -0.230 | -19.040 | -0.030 |
| -18.040 | -0.040 | -6.550 | 5.077 | -3.400 | 5.087 | -0.460 | 5.087 |
| -0.310 | 5.337 | 0.000 | 5.342 | 0.000 | 5.339 | 0.000 | 5.342 |
| 0.000 | 5.339 | 0.220 | 5.329 | 0.220 | 4.889 | 0.880 | 3.999 |
| 1.800 | 3.579 | 5.000 | 3.459 | 8.600 | 3.319 | 14.800 | 3.079 |
| 21.500 | 2.839 | 28.020 | 2.619 | 29.100 | 2.650 | 29.550 | 2.470 |
| 32.800 | 0.590 | 33.200 | 0.310 | 34.100 | 0.330 | 34.100 | -0.230 |
| 36.400 | -0.970 | 40.100 | -1.160 | 43.000 | -1.110 | 48.000 | -1.161 |
| 53.000 | -1.281 | 58.000 | -1.411 | 60.700 | -1.611 | 65.000 | -1.861 |
| 70.000 | -2.111 | 75.000 | -2.341 | 81.600 | -2.512 | 85.000 | -2.612 |
| 90.000 | -2.762 | 95.000 | -2.862 | 100.300 | -2.942 | 105.000 | -3.062 |
| 110.000 | -3.012 | 115.000 | -3.213 | 120.000 | -3.393 | 125.000 | -3.343 |
| 130.000 | -3.413 | 135.000 | -3.463 | 140.000 | -3.563 | 145.300 | -3.443 |
| 150.000 | -3.614 | 155.000 | -3.814 | 160.000 | -3.864 | 165.000 | -3.964 |
| 170.000 | -4.014 | 175.000 | -4.014 | 180.000 | -3.864 | 185.000 | -4.015 |
| 190.000 | -4.015 | 195.000 | -4.045 | 200.000 | -4.095 | 205.000 | -4.095 |
| 210.000 | -4.065 | 215.000 | -3.965 | 221.800 | -4.066 | 225.000 | -4.066 |
| 230.000 | -4.016 | 235.000 | -3.816 | 240.000 | -3.816 | 245.000 | -3.916 |
| 250.000 | -3.816 | 255.000 | -3.817 | 260.000 | -3.767 | 262.000 | -3.717 |
| 265.000 | -3.567 | 270.000 | -3.667 | 275.000 | -3.617 | 280.000 | -3.567 |
| 284.990 | -3.467 | 289.990 | -3.268 | 294.990 | -3.318 | 299.990 | -3.318 |
| 304.990 | -3.168 | 309.990 | -3.218 | 314.990 | -3.118 | 319.990 | -3.068 |
| 324.990 | -2.969 | 329.990 | -3.019 | 334.990 | -2.969 | 339.990 | -2.919 |
| 344.990 | -2.919 | 349.990 | -2.869 | 354.990 | -2.919 | 359.990 | -2.770 |
| 364.990 | -2.770 | 369.990 | -2.720 | 374.990 | -2.620 | 379.990 | -2.600 |
| 384.990 | -2.620 | 389.990 | -2.520 | 394.990 | -2.521 | 399.990 | -2.471 |
| 404.990 | -2.371 | 409.990 | -2.421 | 414.990 | -2.401 | 419.990 | -2.421 |
| 424.990 | -2.371 | 429.990 | -2.322 | 434.990 | -2.352 | 439.990 | -2.322 |
| 444.990 | -2.322 | 449.990 | -2.272 | 454.990 | -2.222 | 459.990 | -2.273 |
| 464.990 | -2.223 | 469.990 | -2.273 | 474.990 | -2.173 | 479.990 | -2.223 |
| 484.990 | -2.273 | 489.990 | -2.253 | 494.990 | -2.124 | 499.990 | -2.124 |
| 504.990 | -2.024 | 509.990 | -2.124 | 514.990 | -1.954 | 519.990 | -1.974 |
| 524.990 | -1.974 | 529.990 | -1.925 | 534.990 | -1.925 | 539.990 | -1.875 |
| 544.990 | -1.825 | 549.990 | -1.825 | 554.990 | -1.825 | 559.990 | -1.825 |
| 564.990 | -1.776 | 569.990 | -1.726 | 574.990 | -1.726 | 579.990 | -1.776 |
| 584.990 | -1.776 | 589.990 | -1.726 | 594.990 | -1.726 | 599.990 | -1.727 |
| 604.990 | -1.727 | 609.990 | -1.727 | 614.990 | -1.727 | 619.990 | -1.677 |
| 624.990 | -1.677 | 629.990 | -1.727 | 634.990 | -1.728 | 639.990 | -1.778 |
| 644.990 | -1.728 | 649.990 | -1.728 | 654.990 | -1.828 | 659.990 | -1.778 |
| 664.990 | -1.828 | 669.990 | -1.929 | 674.990 | -1.879 | 679.990 | -1.929 |
| 684.990 | -2.029 | 689.990 | -2.029 | 694.990 | -2.029 | 699.990 | -2.179 |
| 704.990 | -2.230 | 709.990 | -2.280 | 714.990 | -2.330 | 719.990 | -2.380 |
| 724.990 | -2.380 | 729.990 | -2.530 | 734.990 | -2.530 | 739.990 | -2.631 |
| 744.990 | -2.631 | 749.990 | -1.831 | 754.990 | -1.831 | 759.990 | -1.931 |
| 764.990 | -3.131 | 769.990 | -3.131 | 774.990 | -3.182 | 779.990 | -3.232 |
| 784.990 | -3.232 | 789.990 | -3.132 | 792.990 | -2.732 | 794.990 | -2.732 |
| 799.990 | -2.982 | 804.990 | -3.182 | 809.990 | -3.383 | 814.990 | -3.383 |

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 819.990 | -3.483 | 824.990 | -3.683 | 829.990 | -3.633 | 834.990 | -3.833 |
| 839.990 | -3.883 | 844.990 | -4.034 | 849.990 | -4.134 | 854.980 | -4.284 |
| 859.980 | -4.484 | 864.980 | -4.584 | 869.980 | -4.564 | 874.980 | -4.684 |
| 879.980 | -4.785 | 884.980 | -4.835 | 889.980 | -4.885 | 894.980 | -4.995 |
| 899.980 | -5.135 | 904.980 | -5.185 | 909.980 | -5.235 | 914.980 | -5.286 |
| 919.980 | -5.436 | 924.980 | -5.436 | 929.980 | -5.436 | 934.980 | -5.436 |
| 939.980 | -5.436 | 944.980 | -5.387 | 949.980 | -5.337 | 954.980 | -5.237 |
| 959.980 | -5.267 | 964.980 | -5.237 | 969.980 | -5.287 | 974.980 | -5.437 |
| 979.980 | -5.388 | 984.980 | -5.388 | 989.980 | -5.388 | 994.980 | -5.338 |
| 999.980 | -5.188 | 1004.980 | -5.338 | 1009.980 | -5.288 | 1014.980 | -5.239 |
| 1019.980 | -5.139 | 1024.980 | -5.139 | 1029.980 | -5.139 | 1034.980 | -5.039 |
| 1039.980 | -4.989 | 1044.980 | -4.939 | 1049.980 | -4.890 | 1054.980 | -4.870 |
| 1059.980 | -4.790 | 1064.980 | -4.690 | 1069.980 | -4.840 | 1074.980 | -4.540 |
| 1079.980 | -4.290 | 1084.980 | -3.641 | 1089.980 | -3.241 | 1094.980 | -2.991 |
| 1099.980 | -2.891 | 1103.830 | -3.141 | 1108.810 | -3.081 | 1113.810 | -2.881 |
| 1118.810 | -2.622 | 1123.810 | -2.482 | 1127.110 | -2.222 | 1131.010 | -1.152 |
| 1132.910 | -0.602 | 1132.910 | 0.048 | 1133.810 | 0.038 | 1134.580 | 0.558 |
| 1137.310 | 2.111 | 1137.610 | 2.291 | 1138.610 | 2.361 | 1138.610 | 2.461 |
| 1138.810 | 2.481 | 1138.810 | 2.479 | 1142.060 | 2.619 | 1145.360 | 2.679 |
| 1145.560 | 2.679 | 1145.660 | 2.709 | 1150.260 | 2.989 | 1155.260 | 3.239 |
| 1159.260 | 3.339 | 1162.960 | 3.369 | 1163.660 | 3.439 | 1164.550 | 3.869 |
| 1164.910 | 4.159 | 1165.090 | 4.589 | 1165.090 | 5.209 | 1165.260 | 5.209 |
| 1165.260 | 5.226 | 1165.600 | 5.214 | 1165.750 | 4.914 | 1166.010 | 4.904 |
| 1166.010 | 4.874 | 1168.360 | 4.844 | 1170.860 | 4.804 | 1171.180 | 4.834 |
| 1171.530 | 4.844 | 1171.530 | 4.644 | 1178.660 | 0.904 | 1181.260 | 0.894 |
| 1183.990 | 0.844 | 1184.160 | 0.814 | 1190.430 | -1.846 | 1190.930 | -1.866 |
| 1190.930 | -2.286 | 1192.760 | -2.356 | 1193.260 | -2.816 | 1195.010 | -3.036 |
| 1197.260 | -2.886 | 1198.460 | -2.266 | 1199.960 | -1.206 | 1201.260 | -1.056 |
| 1202.460 | -1.276 | 1203.260 | -1.806 | 1223.060 | -1.786 | 1224.260 | -1.146 |
| 1227.260 | -1.026 | 1229.860 | -1.066 | 1230.260 | -1.816 | 1240.260 | -1.816 |
| 0.2km | 0.000 | | | | 324 | 58 | 278 |
| -75.700 | -1.181 | -72.000 | -1.111 | -71.500 | -1.481 | -71.200 | -1.481 |
| -71.200 | -1.631 | -70.700 | -2.111 | -70.000 | -2.151 | -70.000 | -2.721 |
| -70.000 | -3.471 | -66.300 | -3.471 | -66.300 | -2.721 | -66.300 | -2.141 |
| -65.500 | -2.091 | -65.000 | -1.621 | -65.000 | -1.481 | -64.800 | -1.481 |
| -64.300 | -1.091 | -64.200 | -1.091 | -61.000 | -1.111 | -60.650 | -1.101 |
| -54.500 | -0.701 | -48.000 | 0.459 | -46.700 | 0.539 | -42.000 | 0.499 |
| -37.000 | 0.498 | -21.700 | 0.258 | -21.200 | 0.238 | -21.100 | 0.228 |
| -21.100 | 0.038 | -21.000 | 0.038 | -21.000 | -0.262 | -20.550 | -0.262 |
| -20.550 | 0.048 | -20.350 | 0.048 | -20.270 | 0.098 | -18.300 | 0.168 |
| -16.270 | 0.188 | -16.270 | 0.378 | -15.370 | 0.378 | -5.950 | 4.967 |
| -3.050 | 5.017 | -0.400 | 5.047 | -0.300 | 5.297 | 0.000 | 5.310 |
| 0.000 | 5.301 | 0.000 | 5.310 | 0.000 | 5.301 | 0.200 | 5.301 |
| 0.200 | 4.671 | 0.700 | 3.971 | 1.560 | 3.571 | 6.000 | 3.361 |
| 11.100 | 3.141 | 16.100 | 2.940 | 21.100 | 2.760 | 26.100 | 2.540 |
| 26.100 | 2.490 | 27.080 | 2.460 | 27.480 | 2.255 | 30.050 | 0.565 |
| 30.780 | 0.045 | 31.580 | 0.035 | 31.580 | -0.595 | 33.580 | -0.955 |
| 36.480 | -1.775 | 37.080 | -1.955 | 42.080 | -2.956 | 47.080 | -3.776 |
| 52.080 | -4.156 | 57.080 | -4.256 | 62.080 | -4.206 | 65.000 | -4.037 |
| 70.000 | -3.987 | 75.000 | -3.937 | 80.000 | -3.987 | 85.000 | -3.868 |
| 90.000 | -3.938 | 95.000 | -3.938 | 100.000 | -3.988 | 105.000 | -3.839 |
| 110.000 | -3.939 | 115.000 | -3.839 | 120.000 | -3.839 | 125.000 | -3.869 |
| 130.000 | -3.790 | 135.000 | -3.640 | 140.000 | -3.690 | 145.000 | -3.840 |
| 150.000 | -3.941 | 155.000 | -3.941 | 160.000 | -3.991 | 165.000 | -3.741 |
| 170.000 | -3.742 | 175.000 | -3.692 | 180.000 | -3.792 | 185.000 | -3.842 |
| 190.000 | -3.873 | 195.000 | -3.843 | 200.000 | -3.843 | 205.000 | -3.843 |

S59横断データ (-0.6~56.2).dat

| | | | | | | | |
|----------|--------|----------|--------|----------|--------|----------|--------|
| 210.000 | -3.893 | 215.000 | -3.794 | 220.000 | -3.694 | 225.000 | -3.594 |
| 230.000 | -3.544 | 235.000 | -3.495 | 240.000 | -3.345 | 245.000 | -3.245 |
| 250.000 | -3.145 | 255.000 | -3.146 | 260.000 | -3.096 | 265.000 | -2.946 |
| 270.000 | -2.926 | 275.000 | -2.847 | 280.000 | -2.747 | 285.000 | -2.697 |
| 290.000 | -2.647 | 295.000 | -2.498 | 300.000 | -2.498 | 305.000 | -2.448 |
| 310.000 | -2.448 | 315.000 | -2.298 | 320.000 | -2.249 | 325.000 | -2.249 |
| 330.000 | -2.149 | 335.000 | -2.099 | 340.000 | -2.050 | 345.000 | -1.950 |
| 350.000 | -1.950 | 355.000 | -1.900 | 360.000 | -1.851 | 365.000 | -1.901 |
| 370.000 | -1.901 | 375.000 | -1.951 | 380.000 | -1.952 | 385.000 | -1.952 |
| 390.000 | -1.902 | 395.000 | -1.952 | 400.000 | -1.952 | 405.000 | -2.053 |
| 410.000 | -1.953 | 415.000 | -2.003 | 420.000 | -2.003 | 425.000 | -1.954 |
| 430.000 | -1.954 | 435.000 | -1.984 | 440.000 | -1.954 | 445.000 | -1.905 |
| 450.000 | -1.955 | 455.000 | -1.855 | 460.000 | -1.855 | 465.000 | -1.856 |
| 470.000 | -1.806 | 475.000 | -1.786 | 480.000 | -1.756 | 485.000 | -1.756 |
| 490.000 | -1.657 | 495.000 | -1.757 | 500.000 | -1.657 | 505.000 | -1.657 |
| 510.000 | -1.658 | 515.000 | -1.608 | 520.000 | -1.658 | 525.000 | -1.608 |
| 530.000 | -1.589 | 535.000 | -1.559 | 540.000 | -1.609 | 545.000 | -1.589 |
| 550.000 | -1.560 | 555.000 | -1.560 | 560.000 | -1.560 | 565.000 | -1.590 |
| 570.000 | -1.561 | 575.000 | -1.561 | 580.000 | -1.561 | 585.000 | -1.561 |
| 590.000 | -1.611 | 595.000 | -1.662 | 600.000 | -1.612 | 605.000 | -1.642 |
| 610.000 | -1.662 | 615.000 | -1.613 | 620.000 | -1.763 | 625.000 | -1.713 |
| 630.000 | -1.713 | 635.000 | -1.814 | 640.000 | -1.864 | 645.000 | -1.894 |
| 650.000 | -1.964 | 655.000 | -2.015 | 660.000 | -2.065 | 665.000 | -2.115 |
| 670.000 | -2.215 | 675.000 | -2.215 | 680.000 | -2.366 | 685.000 | -2.416 |
| 690.000 | -2.466 | 695.000 | -2.566 | 700.000 | -2.617 | 705.000 | -2.717 |
| 710.000 | -2.767 | 715.000 | -2.767 | 720.000 | -2.868 | 725.000 | -2.968 |
| 730.000 | -3.018 | 735.000 | -3.068 | 740.000 | -3.219 | 745.000 | -3.319 |
| 750.000 | -3.369 | 755.000 | -3.519 | 760.000 | -3.619 | 765.000 | -3.670 |
| 770.000 | -3.770 | 775.000 | -3.870 | 780.000 | -3.970 | 785.000 | -4.171 |
| 790.000 | -4.221 | 795.000 | -4.421 | 800.000 | -4.571 | 805.000 | -4.672 |
| 810.000 | -4.872 | 815.000 | -5.072 | 820.000 | -5.272 | 825.000 | -5.423 |
| 830.000 | -5.673 | 835.000 | -5.773 | 840.000 | -5.873 | 845.000 | -6.073 |
| 850.000 | -6.174 | 855.000 | -6.274 | 860.000 | -6.374 | 865.000 | -6.474 |
| 870.000 | -6.475 | 875.000 | -6.475 | 880.000 | -6.525 | 885.000 | -6.425 |
| 890.000 | -6.426 | 895.000 | -6.476 | 900.000 | -6.426 | 905.000 | -6.426 |
| 910.000 | -6.327 | 915.000 | -6.207 | 920.000 | -6.177 | 925.000 | -6.127 |
| 930.000 | -6.008 | 935.000 | -6.008 | 940.000 | -5.878 | 945.000 | -5.778 |
| 950.000 | -5.678 | 955.000 | -5.529 | 960.000 | -5.429 | 965.000 | -5.329 |
| 970.000 | -5.109 | 975.000 | -4.960 | 980.000 | -4.830 | 985.000 | -4.430 |
| 990.000 | -4.030 | 995.000 | -3.431 | 1000.000 | -3.231 | 1005.000 | -2.981 |
| 1010.000 | -2.731 | 1015.000 | -2.582 | 1020.000 | -2.432 | 1025.000 | -2.332 |
| 1030.000 | -2.182 | 1033.560 | -2.072 | 1038.560 | -2.093 | 1043.560 | -1.993 |
| 1048.560 | -1.983 | 1053.560 | -1.853 | 1056.360 | -1.843 | 1058.960 | -1.744 |
| 1061.260 | -0.844 | 1062.960 | -0.414 | 1062.960 | 0.166 | 1063.660 | 0.156 |
| 1064.300 | 0.516 | 1067.060 | 2.362 | 1067.360 | 2.492 | 1068.360 | 2.502 |
| 1068.360 | 2.542 | 1068.560 | 2.555 | 1068.560 | 2.550 | 1071.820 | 2.660 |
| 1075.170 | 2.740 | 1075.370 | 2.740 | 1075.520 | 2.790 | 1083.020 | 3.290 |
| 1089.520 | 3.580 | 1093.280 | 3.700 | 1093.380 | 4.050 | 1093.380 | 4.480 |
| 1093.520 | 4.470 | 1093.520 | 4.489 | 1093.680 | 4.477 | 1093.830 | 4.177 |
| 1094.080 | 4.157 | 1096.520 | 4.147 | 1099.070 | 4.097 | 1099.340 | 4.127 |
| 1104.970 | 1.177 | 1107.820 | 1.147 | 1110.290 | 1.087 | 1110.490 | 1.067 |
| 1116.520 | -1.698 | 1116.870 | -1.718 | 1117.720 | -2.098 | 1118.820 | -2.278 |
| 1120.020 | -2.548 | 1120.020 | -2.948 | 1121.520 | -3.148 | 1124.020 | -2.478 |
| 1124.620 | -2.278 | 1124.670 | -2.228 | 1125.920 | -1.228 | 1126.820 | -0.928 |
| 1128.220 | -0.928 | 1128.720 | -0.978 | 1129.720 | -0.658 | 1137.520 | -0.578 |
| 1147.520 | -0.648 | 1155.220 | -0.948 | 1155.220 | -1.788 | 1168.520 | -1.788 |

S59横断データ (-0.6~56.2).dat

| | | | | | | | | | |
|---------|--------|---------|--------|---------|--------|---------|-----|--------|-----|
| 0.4km | 0.000 | | | | 316 | 52 | 270 | 45 | 277 |
| -77.000 | -0.946 | -73.300 | -1.016 | -69.000 | -1.096 | -68.400 | | -1.446 | |
| -68.200 | -1.446 | -68.200 | -1.586 | -67.800 | -2.066 | -67.000 | | -2.106 | |
| -67.000 | -2.726 | -67.000 | -3.316 | -63.300 | -3.316 | -63.300 | | -2.726 | |
| -63.300 | -2.106 | -62.500 | -2.066 | -62.300 | -1.576 | -62.300 | | -1.456 | |
| -62.000 | -1.456 | -61.600 | -1.076 | -61.370 | -1.006 | -61.100 | | -1.006 | |
| -57.800 | -1.036 | -51.300 | -0.456 | -45.900 | -0.526 | -45.600 | | 0.524 | |
| -44.300 | 0.634 | -42.200 | 0.634 | -39.000 | 0.574 | -29.000 | | 0.504 | |
| -17.900 | 0.274 | -17.800 | 0.314 | -17.350 | 0.314 | -17.210 | | 0.311 | |
| -15.500 | 0.321 | -13.900 | 0.351 | -13.900 | 0.551 | -13.200 | | 0.541 | |
| -5.830 | 4.211 | -2.900 | 4.241 | -0.250 | 4.251 | -0.140 | | 4.511 | |
| 0.000 | 4.518 | 0.000 | 4.500 | 0.000 | 4.518 | 0.000 | | 4.500 | |
| 0.160 | 4.500 | 0.160 | 3.810 | 0.310 | 3.620 | 5.600 | | 3.400 | |
| 11.000 | 3.210 | 15.550 | 3.051 | 20.340 | 2.891 | 21.380 | | 2.833 | |
| 31.100 | 0.493 | 34.030 | -0.217 | 38.430 | -1.097 | 40.330 | | -1.397 | |
| 41.030 | -1.567 | 45.330 | -2.216 | 50.330 | -2.656 | 55.330 | | -3.156 | |
| 60.000 | -3.436 | 65.000 | -3.606 | 70.000 | -3.706 | 75.000 | | -3.906 | |
| 80.000 | -4.006 | 85.000 | -4.055 | 90.000 | -4.085 | 95.000 | | -4.005 | |
| 100.000 | -4.005 | 105.000 | -3.955 | 110.000 | -4.005 | 115.000 | | -4.005 | |
| 120.000 | -3.955 | 125.000 | -3.954 | 130.000 | -3.904 | 135.000 | | -3.854 | |
| 140.000 | -3.854 | 145.000 | -3.804 | 150.000 | -3.754 | 155.000 | | -3.704 | |
| 160.000 | -3.704 | 165.000 | -3.753 | 170.000 | -3.653 | 175.000 | | -3.703 | |
| 180.000 | -3.703 | 185.000 | -3.703 | 190.000 | -3.703 | 195.000 | | -3.703 | |
| 200.000 | -3.733 | 205.000 | -3.802 | 210.000 | -3.752 | 215.000 | | -3.852 | |
| 220.000 | -3.702 | 225.000 | -3.802 | 230.000 | -3.732 | 235.000 | | -3.852 | |
| 240.000 | -3.852 | 245.000 | -3.801 | 250.000 | -3.601 | 255.000 | | -3.601 | |
| 260.000 | -3.551 | 265.000 | -3.501 | 270.000 | -3.401 | 275.000 | | -3.201 | |
| 280.000 | -3.131 | 285.000 | -3.000 | 290.000 | -2.950 | 295.000 | | -2.700 | |
| 300.000 | -2.650 | 305.000 | -2.650 | 310.000 | -2.400 | 315.000 | | -2.400 | |
| 320.000 | -2.300 | 325.000 | -2.199 | 330.000 | -2.199 | 335.000 | | -2.099 | |
| 340.000 | -2.099 | 345.000 | -2.099 | 350.000 | -1.799 | 355.000 | | -1.699 | |
| 360.000 | -1.749 | 365.000 | -1.598 | 370.000 | -1.548 | 375.000 | | -1.528 | |
| 380.000 | -1.548 | 385.000 | -1.448 | 390.000 | -1.478 | 395.000 | | -1.528 | |
| 400.000 | -1.528 | 405.000 | -1.648 | 410.000 | -1.647 | 415.000 | | -1.647 | |
| 420.000 | -1.697 | 425.000 | -1.697 | 430.000 | -1.697 | 435.000 | | -1.697 | |
| 440.000 | -1.697 | 445.000 | -1.747 | 450.000 | -1.696 | 455.000 | | -1.696 | |
| 460.000 | -1.796 | 465.000 | -1.846 | 470.000 | -1.746 | 475.000 | | -1.846 | |
| 480.000 | -1.896 | 485.000 | -1.796 | 490.000 | -1.795 | 495.000 | | -1.895 | |
| 500.000 | -1.795 | 505.000 | -1.795 | 510.000 | -1.795 | 515.000 | | -1.725 | |
| 520.000 | -1.695 | 525.000 | -1.645 | 530.000 | -1.644 | 535.000 | | -1.644 | |
| 540.000 | -1.594 | 545.000 | -1.544 | 550.000 | -1.594 | 555.000 | | -1.594 | |
| 560.000 | -1.494 | 565.000 | -1.544 | 570.000 | -1.543 | 575.000 | | -1.543 | |
| 580.000 | -1.543 | 585.000 | -1.543 | 590.000 | -1.443 | 595.000 | | -1.493 | |
| 600.000 | -1.493 | 605.000 | -1.493 | 610.000 | -1.492 | 615.000 | | -1.492 | |
| 620.000 | -1.442 | 625.000 | -1.442 | 630.000 | -1.442 | 635.000 | | -1.492 | |
| 640.000 | -1.392 | 645.000 | -1.442 | 650.000 | -1.441 | 655.000 | | -1.491 | |
| 660.000 | -1.441 | 665.000 | -1.491 | 670.000 | -1.521 | 675.000 | | -1.571 | |
| 680.000 | -1.591 | 685.000 | -1.691 | 690.000 | -1.790 | 695.000 | | -1.690 | |
| 700.000 | -1.790 | 705.000 | -1.790 | 710.000 | -1.890 | 715.000 | | -1.890 | |
| 720.000 | -2.040 | 725.000 | -2.090 | 730.000 | -2.239 | 735.000 | | -2.289 | |
| 740.000 | -2.389 | 745.000 | -2.439 | 750.000 | -2.589 | 755.000 | | -2.639 | |
| 760.000 | -2.789 | 765.000 | -2.789 | 770.000 | -2.938 | 775.000 | | -3.018 | |
| 780.000 | -3.138 | 785.000 | -3.288 | 790.000 | -3.488 | 795.000 | | -3.588 | |
| 800.000 | -3.638 | 805.000 | -3.838 | 810.000 | -3.987 | 815.000 | | -4.087 | |
| 820.000 | -4.237 | 825.000 | -4.387 | 830.000 | -4.387 | 835.000 | | -4.587 | |
| 840.000 | -4.687 | 845.000 | -4.837 | 850.000 | -4.986 | 855.000 | | -5.186 | |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 860.000 | -5.286 | 865.000 | -5.436 | 870.000 | -5.536 | 875.000 | -5.686 |
| 880.000 | -5.786 | 885.000 | -5.986 | 890.000 | -6.085 | 895.000 | -6.185 |
| 900.000 | -6.285 | 905.000 | -6.435 | 910.000 | -6.585 | 915.000 | -6.685 |
| 920.000 | -6.785 | 925.000 | -6.835 | 930.000 | -6.835 | 935.000 | -6.884 |
| 940.000 | -6.884 | 945.000 | -6.784 | 950.000 | -6.784 | 955.000 | -6.684 |
| 960.000 | -6.584 | 965.000 | -6.534 | 970.000 | -6.484 | 975.000 | -6.333 |
| 980.000 | -6.283 | 985.000 | -6.083 | 990.000 | -5.833 | 995.000 | -5.533 |
| 1000.000 | -5.033 | 1005.000 | -4.283 | 1010.000 | -2.933 | 1015.000 | -2.832 |
| 1020.000 | -2.732 | 1025.000 | -2.682 | 1030.000 | -2.532 | 1035.000 | -2.382 |
| 1040.330 | -2.462 | 1045.330 | -2.452 | 1050.330 | -2.422 | 1055.330 | -2.361 |
| 1060.330 | -2.351 | 1065.330 | -2.161 | 1070.330 | -2.071 | 1075.330 | -1.931 |
| 1080.330 | -1.771 | 1084.130 | -1.601 | 1086.430 | -1.121 | 1087.130 | -1.011 |
| 1094.250 | 0.520 | 1103.930 | 2.797 | 1105.130 | 2.837 | 1105.130 | 2.927 |
| 1105.330 | 2.934 | 1105.330 | 2.930 | 1111.800 | 3.170 | 1117.900 | 3.410 |
| 1123.030 | 3.700 | 1123.130 | 4.230 | 1123.130 | 4.520 | 1123.300 | 4.520 |
| 1123.300 | 4.534 | 1123.440 | 4.520 | 1123.590 | 4.240 | 1123.800 | 4.230 |
| 1126.350 | 4.180 | 1128.800 | 4.120 | 1129.080 | 4.120 | 1134.000 | 1.560 |
| 1136.600 | 1.590 | 1139.130 | 1.630 | 1139.320 | 1.610 | 1146.300 | -1.708 |
| 1146.600 | -1.708 | 1146.600 | -1.808 | 1149.100 | -2.268 | 1149.800 | -2.398 |
| 1150.300 | -2.448 | 1152.300 | -2.768 | 1153.800 | -2.358 | 1154.100 | -2.368 |
| 1154.150 | -2.268 | 1154.500 | -0.698 | 1168.100 | -0.808 | 1168.800 | -0.768 |
| 1169.950 | -0.818 | 1182.900 | -0.908 | 1184.200 | -0.837 | 1184.300 | -0.837 |
| 1184.300 | -0.967 | 1184.500 | -0.897 | 1184.600 | -0.897 | 1186.300 | -0.837 |
| 1187.800 | -0.827 | 1188.100 | -1.097 | 1193.300 | -1.087 | 1198.300 | -1.107 |
| 0.6km | 0.000 | | | | 310 | 34 266 | 29 280 |
| -77.000 | 2.349 | -61.000 | 2.399 | -50.000 | 2.479 | -44.000 | 2.519 |
| -36.000 | 2.569 | -26.700 | 2.669 | -24.600 | 2.729 | -24.450 | 2.729 |
| -24.060 | 2.669 | -21.000 | 2.669 | -14.000 | 2.679 | -11.000 | 2.609 |
| -8.500 | 2.709 | -6.250 | 3.799 | -6.200 | 3.999 | -5.840 | 3.989 |
| -5.700 | 3.989 | -5.600 | 3.989 | -5.500 | 3.999 | -2.900 | 3.969 |
| -0.300 | 4.029 | -0.190 | 4.309 | 0.000 | 4.318 | 0.000 | 4.303 |
| 0.000 | 4.318 | 0.000 | 4.303 | 0.120 | 4.303 | 0.120 | 3.673 |
| 0.190 | 3.383 | 5.050 | 3.253 | 10.000 | 3.103 | 14.700 | 2.983 |
| 19.400 | 2.862 | 24.120 | 2.752 | 25.030 | 2.703 | 25.330 | 2.583 |
| 28.600 | 0.503 | 28.730 | 0.433 | 29.530 | 0.433 | 29.530 | -0.167 |
| 31.730 | -0.727 | 33.330 | -1.317 | 34.130 | -1.287 | 39.130 | -1.687 |
| 44.130 | -2.197 | 49.130 | -2.778 | 55.000 | -2.998 | 60.000 | -3.198 |
| 65.000 | -3.498 | 70.000 | -3.598 | 75.000 | -3.748 | 80.000 | -3.799 |
| 85.000 | -3.899 | 90.000 | -3.849 | 95.000 | -3.899 | 100.000 | -3.999 |
| 105.000 | -4.000 | 110.000 | -4.000 | 115.000 | -3.900 | 120.000 | -3.950 |
| 125.000 | -4.000 | 130.000 | -4.000 | 135.000 | -4.001 | 140.000 | -4.001 |
| 145.000 | -4.001 | 150.000 | -4.101 | 155.000 | -4.101 | 160.000 | -4.151 |
| 165.000 | -4.102 | 170.000 | -4.252 | 175.000 | -4.202 | 180.000 | -4.252 |
| 185.000 | -4.252 | 190.000 | -4.202 | 195.000 | -4.203 | 200.000 | -4.153 |
| 205.000 | -4.103 | 210.000 | -4.003 | 215.000 | -4.003 | 220.000 | -3.904 |
| 225.000 | -4.004 | 230.000 | -3.804 | 232.500 | -3.704 | 235.000 | -3.804 |
| 240.000 | -3.854 | 245.000 | -3.704 | 250.000 | -3.505 | 255.000 | -3.305 |
| 260.000 | -3.405 | 265.000 | -3.305 | 270.000 | -3.205 | 275.000 | -3.055 |
| 279.990 | -3.006 | 284.990 | -2.906 | 289.990 | -2.806 | 294.990 | -2.706 |
| 299.990 | -2.606 | 304.990 | -2.707 | 307.990 | -2.607 | 309.990 | -2.357 |
| 314.990 | -2.407 | 319.990 | -2.307 | 324.990 | -2.207 | 329.990 | -2.157 |
| 334.990 | -2.108 | 339.990 | -2.008 | 344.990 | -2.008 | 349.990 | -1.908 |
| 354.990 | -1.958 | 359.990 | -1.808 | 364.990 | -1.759 | 369.990 | -1.759 |
| 374.990 | -1.709 | 379.990 | -1.559 | 384.990 | -1.509 | 389.990 | -1.460 |
| 394.990 | -1.410 | 399.990 | -1.310 | 404.990 | -1.310 | 409.990 | -1.260 |
| 414.990 | -1.210 | 419.990 | -1.261 | 424.990 | -1.111 | 429.990 | -1.111 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 434.990 | -1.161 | 439.990 | -1.111 | 444.990 | -1.161 | 449.990 | -1.112 |
| 454.990 | -1.212 | 459.990 | -1.212 | 464.990 | -1.212 | 469.990 | -1.262 |
| 474.990 | -1.412 | 479.990 | -1.463 | 484.990 | -1.463 | 489.990 | -1.563 |
| 494.990 | -1.613 | 499.990 | -1.613 | 504.990 | -1.664 | 509.990 | -1.614 |
| 514.990 | -1.714 | 519.990 | -1.764 | 524.990 | -1.764 | 529.990 | -1.714 |
| 534.990 | -1.715 | 539.990 | -1.765 | 544.990 | -1.715 | 549.990 | -1.665 |
| 554.990 | -1.665 | 559.990 | -1.615 | 564.990 | -1.616 | 569.990 | -1.566 |
| 574.990 | -1.566 | 579.990 | -1.516 | 584.990 | -1.516 | 589.990 | -1.417 |
| 594.990 | -1.417 | 599.990 | -1.417 | 604.990 | -1.417 | 609.990 | -1.317 |
| 614.990 | -1.317 | 619.990 | -1.268 | 624.990 | -1.318 | 629.990 | -1.218 |
| 634.990 | -1.268 | 639.990 | -1.218 | 644.990 | -1.218 | 649.990 | -1.169 |
| 654.990 | -1.219 | 659.990 | -1.169 | 664.990 | -1.119 | 669.990 | -1.119 |
| 674.990 | -1.219 | 679.990 | -1.170 | 684.990 | -1.170 | 689.990 | -1.170 |
| 694.990 | -1.220 | 699.990 | -1.170 | 704.990 | -1.221 | 709.990 | -1.221 |
| 714.990 | -1.271 | 719.990 | -1.271 | 724.990 | -1.321 | 729.990 | -1.321 |
| 734.990 | -1.422 | 739.990 | -1.622 | 744.990 | -1.672 | 749.990 | -1.822 |
| 754.990 | -2.072 | 759.990 | -2.122 | 764.990 | -2.273 | 769.990 | -2.423 |
| 774.990 | -2.523 | 779.990 | -2.673 | 784.990 | -2.723 | 789.990 | -2.774 |
| 794.990 | -2.924 | 799.990 | -3.024 | 804.990 | -3.074 | 809.990 | -3.224 |
| 814.990 | -3.374 | 819.990 | -3.525 | 824.990 | -3.675 | 829.990 | -3.825 |
| 834.990 | -3.875 | 839.980 | -4.025 | 844.980 | -4.225 | 849.980 | -4.326 |
| 854.980 | -4.526 | 859.980 | -4.676 | 864.980 | -4.876 | 869.980 | -4.976 |
| 874.980 | -5.227 | 879.980 | -5.327 | 884.980 | -5.527 | 889.980 | -5.627 |
| 894.980 | -5.877 | 899.980 | -6.077 | 904.980 | -6.328 | 909.980 | -6.678 |
| 914.980 | -6.628 | 919.980 | -6.828 | 924.980 | -6.978 | 929.980 | -7.128 |
| 934.980 | -7.229 | 939.980 | -7.229 | 944.980 | -7.229 | 949.980 | -7.229 |
| 954.980 | -7.179 | 959.980 | -7.079 | 964.980 | -7.080 | 969.980 | -7.130 |
| 974.980 | -7.230 | 979.980 | -7.280 | 984.980 | -7.380 | 989.980 | -7.281 |
| 994.980 | -7.181 | 999.980 | -6.531 | 1004.980 | -5.431 | 1009.980 | -4.631 |
| 1014.980 | -4.031 | 1019.980 | -3.282 | 1024.980 | -3.132 | 1029.980 | -2.932 |
| 1034.980 | -2.732 | 1039.980 | -2.632 | 1044.980 | -2.482 | 1049.980 | -2.583 |
| 1054.980 | -2.533 | 1059.980 | -3.733 | 1061.980 | -3.883 | 1064.980 | -3.483 |
| 1069.980 | -3.133 | 1074.980 | -2.784 | 1079.980 | -2.484 | 1084.360 | -2.394 |
| 1089.360 | -1.874 | 1094.360 | -1.494 | 1097.960 | -1.314 | 1100.260 | -1.004 |
| 1100.260 | -0.914 | 1100.660 | -0.894 | 1107.630 | 0.465 | 1108.060 | 0.560 |
| 1117.960 | 2.860 | 1119.160 | 2.910 | 1119.160 | 2.980 | 1119.360 | 2.986 |
| 1119.360 | 2.976 | 1119.410 | 2.996 | 1125.760 | 3.246 | 1131.760 | 3.526 |
| 1136.720 | 3.776 | 1136.900 | 4.376 | 1136.900 | 4.676 | 1137.060 | 4.676 |
| 1137.060 | 4.686 | 1137.200 | 4.681 | 1137.360 | 4.371 | 1137.610 | 4.351 |
| 1140.110 | 4.331 | 1142.530 | 4.301 | 1142.820 | 4.321 | 1143.190 | 4.341 |
| 1143.260 | 4.091 | 1148.520 | 1.301 | 1151.060 | 1.301 | 1153.660 | 1.261 |
| 1153.860 | 1.251 | 1159.790 | -1.489 | 1162.060 | -1.889 | 1162.760 | -2.259 |
| 1163.560 | -2.379 | 1163.660 | -2.559 | 1165.060 | -2.559 | 1166.060 | -2.409 |
| 1166.860 | -2.259 | 1169.260 | -0.679 | 1171.360 | -0.659 | 1173.760 | -0.869 |
| 1182.060 | -1.279 | 1187.810 | -1.179 | 1187.810 | -0.679 | 1188.560 | -0.579 |
| 1193.360 | -0.549 | 1193.360 | -0.529 | 1200.060 | -0.519 | 1204.860 | -0.669 |
| 1210.460 | -0.759 | 1212.060 | -0.719 | | | | |
| 0.8km | 0.000 | | | | 331 | 53 287 | 46 296 |
| -76.000 | -1.693 | -75.500 | -1.883 | -75.500 | -2.373 | -73.000 | -2.723 |
| -73.000 | -2.373 | -73.000 | -1.903 | -72.400 | -1.743 | -70.300 | -0.903 |
| -67.600 | -0.803 | -67.000 | -0.573 | -62.600 | -0.253 | -58.900 | 0.027 |
| -58.900 | 0.497 | -58.400 | 0.387 | -56.200 | 0.387 | -54.600 | 0.377 |
| -40.000 | 0.302 | -31.800 | 0.406 | -30.300 | 0.626 | -27.000 | 1.336 |
| -26.740 | 1.326 | -24.700 | 1.316 | -22.800 | 1.236 | -22.100 | 1.176 |
| -21.950 | 1.176 | -21.950 | 0.876 | -21.650 | 0.876 | -21.650 | 1.176 |
| -21.500 | 1.176 | -17.200 | 1.316 | -11.050 | 4.356 | -10.670 | 4.346 |

S59横断データ (-0.6~56.2).dat

| | | | | | | | |
|---------|--------|---------|--------|---------|--------|----------|--------|
| -10.670 | 4.376 | -10.540 | 4.366 | -8.500 | 4.396 | -6.440 | 4.436 |
| -5.850 | 4.456 | -5.800 | 4.486 | -2.900 | 4.536 | -0.260 | 4.516 |
| -0.160 | 4.816 | 0.000 | 4.832 | 0.000 | 4.815 | 0.000 | 4.832 |
| 0.000 | 4.815 | 0.150 | 4.815 | 0.150 | 5.785 | 0.650 | 5.785 |
| 0.650 | 4.085 | 1.050 | 3.655 | 5.530 | 1.405 | 6.550 | 1.405 |
| 8.600 | 1.305 | 8.750 | 1.145 | 9.030 | 1.145 | 10.500 | 0.410 |
| 11.630 | -0.130 | 12.630 | -0.590 | 14.030 | -0.780 | 19.030 | -0.950 |
| 24.030 | -1.290 | 29.030 | -1.470 | 34.030 | -1.940 | 39.030 | -2.390 |
| 45.000 | -2.890 | 50.000 | -3.140 | 55.000 | -3.390 | 60.000 | -3.489 |
| 65.000 | -3.539 | 70.000 | -3.589 | 75.000 | -3.639 | 80.000 | -3.689 |
| 85.000 | -3.839 | 90.000 | -3.819 | 95.000 | -3.839 | 100.000 | -4.039 |
| 105.000 | -4.089 | 110.000 | -4.189 | 115.000 | -4.239 | 120.000 | -4.339 |
| 125.000 | -4.439 | 130.000 | -4.539 | 135.000 | -4.589 | 140.000 | -4.589 |
| 145.000 | -4.639 | 150.000 | -4.719 | 155.000 | -4.739 | 160.000 | -4.789 |
| 165.000 | -4.789 | 170.000 | -4.789 | 175.000 | -4.689 | 180.000 | -4.539 |
| 185.000 | -4.589 | 190.000 | -4.389 | 195.000 | -4.389 | 200.000 | -4.288 |
| 205.000 | -4.288 | 210.000 | -4.138 | 215.000 | -4.038 | 220.000 | -3.838 |
| 225.000 | -3.618 | 230.000 | -3.588 | 235.000 | -3.588 | 240.000 | -3.438 |
| 245.000 | -3.388 | 250.000 | -3.238 | 255.000 | -3.188 | 260.000 | -3.088 |
| 265.000 | -2.988 | 270.000 | -2.888 | 275.000 | -2.788 | 280.000 | -2.688 |
| 285.000 | -2.538 | 290.000 | -2.388 | 295.000 | -2.338 | 300.000 | -2.288 |
| 305.000 | -2.138 | 310.000 | -1.988 | 315.000 | -1.988 | 320.000 | -1.988 |
| 325.000 | -1.838 | 330.000 | -1.788 | 335.000 | -1.738 | 340.000 | -1.687 |
| 345.000 | -1.687 | 350.000 | -1.587 | 355.000 | -1.537 | 360.000 | -1.487 |
| 365.000 | -1.437 | 370.000 | -1.487 | 375.000 | -1.387 | 380.000 | -1.337 |
| 385.000 | -1.287 | 390.000 | -1.187 | 395.000 | -1.237 | 400.000 | -1.137 |
| 405.000 | -1.137 | 410.000 | -1.087 | 415.000 | -1.087 | 420.000 | -0.937 |
| 425.000 | -0.937 | 430.000 | -0.937 | 435.000 | -0.837 | 440.000 | -0.937 |
| 445.000 | -0.937 | 450.000 | -0.837 | 455.000 | -0.837 | 460.000 | -0.887 |
| 465.000 | -0.887 | 470.000 | -0.887 | 475.000 | -0.887 | 480.000 | -0.916 |
| 485.000 | -0.936 | 490.000 | -0.966 | 495.000 | -1.086 | 500.000 | -1.136 |
| 505.000 | -1.236 | 510.000 | -1.336 | 515.000 | -1.436 | 520.000 | -1.586 |
| 525.000 | -1.586 | 530.000 | -1.636 | 535.000 | -1.686 | 540.000 | -1.786 |
| 545.000 | -1.686 | 550.000 | -1.686 | 555.000 | -1.686 | 560.000 | -1.616 |
| 565.000 | -1.586 | 570.000 | -1.586 | 575.000 | -1.486 | 580.000 | -1.486 |
| 585.000 | -1.486 | 590.000 | -1.436 | 595.000 | -1.286 | 600.000 | -1.316 |
| 605.000 | -1.386 | 610.000 | -1.236 | 615.000 | -1.186 | 620.000 | -1.235 |
| 625.000 | -1.185 | 630.000 | -1.185 | 635.000 | -1.235 | 640.000 | -1.135 |
| 645.000 | -1.135 | 650.000 | -1.115 | 655.000 | -1.015 | 660.000 | -0.985 |
| 665.000 | -0.935 | 670.000 | -0.985 | 675.000 | -0.935 | 680.000 | -0.985 |
| 685.000 | -0.885 | 690.000 | -0.885 | 695.000 | -0.885 | 700.000 | -0.885 |
| 705.000 | -0.785 | 710.000 | -0.785 | 715.000 | -0.735 | 720.000 | -0.785 |
| 725.000 | -0.835 | 730.000 | -0.985 | 735.000 | -1.085 | 740.000 | -1.285 |
| 745.000 | -1.485 | 750.000 | -1.585 | 755.000 | -1.835 | 760.000 | -2.085 |
| 765.000 | -2.284 | 770.000 | -2.384 | 775.000 | -2.484 | 780.000 | -2.634 |
| 785.000 | -2.734 | 790.000 | -2.884 | 795.000 | -3.034 | 800.000 | -3.134 |
| 805.000 | -3.284 | 810.000 | -3.384 | 815.000 | -3.484 | 820.000 | -3.684 |
| 825.000 | -3.784 | 830.000 | -3.884 | 835.000 | -4.034 | 840.000 | -4.084 |
| 845.000 | -4.234 | 850.000 | -4.284 | 855.000 | -4.484 | 860.000 | -4.634 |
| 865.000 | -4.784 | 870.000 | -4.884 | 875.000 | -5.034 | 880.000 | -5.134 |
| 885.000 | -5.284 | 890.000 | -5.584 | 895.000 | -5.684 | 900.000 | -5.884 |
| 905.000 | -6.033 | 910.000 | -6.283 | 915.000 | -6.533 | 920.000 | -6.783 |
| 925.000 | -6.983 | 930.000 | -7.183 | 935.000 | -7.283 | 940.000 | -7.483 |
| 945.000 | -7.683 | 950.000 | -7.833 | 955.000 | -7.983 | 960.000 | -8.183 |
| 965.000 | -8.283 | 970.000 | -8.383 | 975.000 | -8.483 | 980.000 | -8.483 |
| 985.000 | -8.383 | 990.000 | -7.783 | 995.000 | -6.933 | 1000.000 | -5.583 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 1005.000 | -4.883 | 1010.000 | -4.583 | 1015.000 | -4.183 | 1020.000 | -3.633 |
| 1025.000 | -3.383 | 1030.000 | -3.183 | 1035.000 | -3.083 | 1040.000 | -3.083 |
| 1045.000 | -2.982 | 1050.000 | -2.982 | 1055.000 | -3.032 | 1060.000 | -3.132 |
| 1065.000 | -3.132 | 1070.000 | -3.132 | 1075.000 | -3.282 | 1080.000 | -3.262 |
| 1080.800 | -3.342 | 1085.800 | -3.432 | 1090.800 | -2.892 | 1094.800 | -1.902 |
| 1095.860 | -1.532 | 1098.200 | -0.932 | 1099.900 | -0.332 | 1099.900 | 0.298 |
| 1100.950 | 0.298 | 1101.100 | 0.418 | 1101.720 | 0.676 | 1104.420 | 2.496 |
| 1104.720 | 2.646 | 1105.720 | 2.726 | 1105.920 | 2.724 | 1105.920 | 2.723 |
| 1109.170 | 2.813 | 1112.470 | 2.893 | 1112.470 | 3.103 | 1112.620 | 3.103 |
| 1112.770 | 3.153 | 1116.470 | 3.303 | 1123.470 | 3.603 | 1130.200 | 3.973 |
| 1130.290 | 4.313 | 1130.290 | 4.703 | 1130.470 | 4.703 | 1130.470 | 4.709 |
| 1130.590 | 4.699 | 1130.740 | 4.399 | 1131.000 | 4.389 | 1133.470 | 4.359 |
| 1135.920 | 4.329 | 1136.220 | 4.329 | 1136.580 | 4.359 | 1136.640 | 4.129 |
| 1142.120 | 1.329 | 1144.820 | 1.349 | 1147.370 | 1.339 | 1147.700 | 1.329 |
| 1153.720 | -1.372 | 1154.070 | -1.392 | 1154.070 | -1.732 | 1156.820 | -2.242 |
| 1157.120 | -2.242 | 1157.120 | -2.242 | 1157.120 | -2.582 | 1159.470 | -2.582 |
| 1160.870 | -2.332 | 1160.870 | -2.242 | 1160.870 | -2.242 | 1161.970 | -1.362 |
| 1163.470 | -0.742 | 1164.870 | -0.762 | 1166.170 | -1.472 | 1180.670 | -1.512 |
| 1190.470 | -1.532 | 1202.770 | -1.462 | 1205.470 | -1.462 | | |
| 1.0km | 0.000 | | | | 324 | 52 280 | 50 290 |
| -76.600 | -0.657 | -74.600 | -0.637 | -64.500 | -0.787 | -62.000 | -1.337 |
| -61.000 | -1.877 | -60.200 | -2.067 | -60.200 | -2.297 | -60.200 | -3.217 |
| -57.500 | -3.217 | -57.500 | -2.297 | -57.500 | -1.967 | -56.800 | -1.887 |
| -54.300 | -0.857 | -50.900 | -0.677 | -48.400 | -0.127 | -48.300 | 0.633 |
| -47.800 | 0.693 | -42.600 | 0.743 | -40.600 | 0.633 | -36.100 | 0.723 |
| -35.100 | 0.723 | -35.100 | 0.623 | -31.000 | 0.623 | -31.000 | 0.733 |
| -30.500 | 0.733 | -30.500 | 0.633 | -20.000 | 0.543 | -18.850 | 0.463 |
| -18.750 | 0.103 | -18.750 | -0.107 | -18.300 | -0.107 | -18.300 | 0.183 |
| -18.120 | 0.183 | -18.030 | 0.236 | -13.250 | 0.326 | -13.250 | 0.526 |
| -13.100 | 0.536 | -5.800 | 4.376 | -2.900 | 4.476 | -0.250 | 4.526 |
| -0.150 | 4.786 | 0.000 | 4.805 | 0.000 | 4.789 | 0.000 | 4.805 |
| 0.000 | 4.789 | 0.150 | 4.789 | 0.150 | 5.819 | 0.650 | 5.819 |
| 0.650 | 4.309 | 1.100 | 3.809 | 5.700 | 1.609 | 6.740 | 1.599 |
| 8.770 | 1.523 | 11.400 | 0.344 | 11.750 | 0.164 | 16.750 | -0.256 |
| 19.550 | -0.356 | 21.750 | -0.586 | 26.750 | -0.856 | 31.750 | -1.186 |
| 36.750 | -1.556 | 41.750 | -2.396 | 46.750 | -3.286 | 51.750 | -3.996 |
| 56.750 | -4.145 | 60.000 | -4.105 | 65.000 | -4.105 | 70.000 | -4.155 |
| 75.000 | -4.205 | 80.000 | -4.255 | 82.500 | -4.455 | 85.000 | -4.505 |
| 90.000 | -4.555 | 95.000 | -4.705 | 100.000 | -4.805 | 105.000 | -4.904 |
| 110.000 | -5.054 | 115.000 | -5.104 | 120.000 | -5.154 | 125.000 | -5.154 |
| 130.000 | -5.154 | 135.000 | -5.154 | 140.000 | -5.154 | 145.000 | -5.054 |
| 150.000 | -5.053 | 155.000 | -5.003 | 160.000 | -4.803 | 165.000 | -4.853 |
| 170.000 | -4.853 | 175.000 | -4.753 | 180.000 | -4.553 | 185.000 | -4.503 |
| 190.000 | -4.403 | 195.000 | -4.382 | 200.000 | -4.182 | 205.000 | -4.002 |
| 210.000 | -3.982 | 215.000 | -3.952 | 220.000 | -3.852 | 225.000 | -3.752 |
| 230.000 | -3.652 | 235.000 | -3.552 | 240.000 | -3.402 | 245.000 | -3.251 |
| 250.000 | -3.151 | 255.000 | -3.001 | 260.000 | -2.801 | 265.000 | -2.601 |
| 270.000 | -2.551 | 275.000 | -2.401 | 280.000 | -2.251 | 285.000 | -2.151 |
| 290.000 | -2.050 | 295.000 | -1.950 | 300.000 | -1.930 | 305.000 | -1.800 |
| 310.000 | -1.700 | 315.000 | -1.650 | 320.000 | -1.600 | 325.000 | -1.500 |
| 330.000 | -1.550 | 335.000 | -1.450 | 340.000 | -1.349 | 345.000 | -1.349 |
| 350.000 | -1.249 | 355.000 | -1.249 | 360.000 | -1.099 | 365.000 | -1.099 |
| 370.000 | -1.049 | 375.000 | -0.949 | 380.000 | -0.949 | 385.000 | -0.898 |
| 390.000 | -0.948 | 395.000 | -0.898 | 400.000 | -0.848 | 405.000 | -0.848 |
| 410.000 | -0.848 | 415.000 | -0.798 | 420.000 | -0.798 | 425.000 | -0.798 |
| 430.000 | -0.748 | 435.000 | -0.747 | 440.000 | -0.777 | 445.000 | -0.797 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 450.000 | -0.847 | 455.000 | -0.747 | 460.000 | -0.847 | 465.000 | -0.847 |
| 470.000 | -0.947 | 475.000 | -0.947 | 480.000 | -0.946 | 485.000 | -1.046 |
| 490.000 | -1.146 | 495.000 | -1.246 | 500.000 | -1.296 | 505.000 | -1.396 |
| 510.000 | -1.446 | 515.000 | -1.546 | 520.000 | -1.596 | 525.000 | -1.696 |
| 530.000 | -1.595 | 535.000 | -1.595 | 540.000 | -1.595 | 545.000 | -1.545 |
| 549.990 | -1.545 | 554.990 | -1.445 | 559.990 | -1.395 | 564.990 | -1.395 |
| 569.990 | -1.345 | 574.990 | -1.344 | 579.990 | -1.244 | 584.990 | -1.144 |
| 589.990 | -1.144 | 594.990 | -1.144 | 599.990 | -1.044 | 604.990 | -0.994 |
| 609.990 | -0.974 | 614.990 | -0.894 | 619.990 | -0.793 | 624.990 | -0.743 |
| 629.990 | -0.693 | 634.990 | -0.643 | 639.990 | -0.643 | 644.990 | -0.543 |
| 649.990 | -0.543 | 654.990 | -0.593 | 659.990 | -0.593 | 664.990 | -0.593 |
| 669.990 | -0.642 | 674.990 | -0.792 | 679.990 | -0.792 | 684.990 | -0.942 |
| 689.990 | -1.142 | 694.990 | -1.292 | 699.990 | -1.342 | 704.990 | -1.492 |
| 709.990 | -1.542 | 714.990 | -1.641 | 719.990 | -1.841 | 724.990 | -1.941 |
| 729.990 | -2.041 | 734.990 | -2.191 | 739.990 | -2.441 | 744.990 | -2.541 |
| 749.990 | -2.641 | 754.990 | -2.741 | 759.990 | -2.791 | 764.990 | -2.890 |
| 769.990 | -2.990 | 774.990 | -3.190 | 779.990 | -3.290 | 784.990 | -3.390 |
| 789.990 | -3.490 | 794.990 | -3.540 | 799.990 | -3.640 | 804.990 | -3.790 |
| 809.990 | -3.839 | 814.990 | -3.939 | 819.990 | -4.039 | 824.990 | -4.089 |
| 829.990 | -4.339 | 834.990 | -4.439 | 839.990 | -4.539 | 844.990 | -4.639 |
| 849.990 | -4.739 | 854.990 | -4.739 | 859.990 | -4.838 | 864.990 | -4.938 |
| 869.990 | -5.138 | 874.990 | -5.238 | 879.990 | -5.438 | 884.990 | -5.638 |
| 889.990 | -5.738 | 894.990 | -5.938 | 899.990 | -6.138 | 904.990 | -6.287 |
| 909.990 | -6.487 | 914.990 | -6.637 | 919.990 | -6.787 | 924.990 | -6.987 |
| 929.990 | -7.137 | 934.990 | -7.437 | 939.990 | -7.787 | 944.990 | -7.987 |
| 949.990 | -8.136 | 954.990 | -8.336 | 959.990 | -8.386 | 964.990 | -7.136 |
| 969.990 | -6.336 | 974.990 | -6.236 | 979.990 | -5.736 | 984.990 | -5.136 |
| 989.990 | -4.586 | 994.990 | -4.236 | 999.990 | -4.135 | 1004.990 | -3.935 |
| 1009.990 | -3.885 | 1014.990 | -3.835 | 1019.990 | -3.735 | 1024.990 | -3.635 |
| 1029.990 | -3.585 | 1034.990 | -3.535 | 1039.990 | -3.485 | 1044.990 | -3.434 |
| 1049.990 | -3.384 | 1054.990 | -3.434 | 1059.990 | -3.584 | 1062.640 | -3.634 |
| 1067.640 | -3.464 | 1072.640 | -2.664 | 1075.740 | -2.164 | 1077.640 | -1.844 |
| 1079.340 | -1.124 | 1079.340 | -0.904 | 1080.740 | -0.744 | 1082.640 | -0.404 |
| 1086.390 | 0.366 | 1087.640 | 0.604 | 1088.340 | 0.735 | 1097.640 | 2.956 |
| 1097.640 | 2.951 | 1098.550 | 2.981 | 1102.950 | 3.171 | 1107.150 | 3.311 |
| 1111.350 | 3.501 | 1115.700 | 3.661 | 1116.050 | 4.031 | 1116.180 | 4.511 |
| 1116.180 | 4.851 | 1116.350 | 4.851 | 1116.350 | 4.857 | 1116.480 | 4.848 |
| 1116.630 | 4.538 | 1116.880 | 4.528 | 1119.350 | 4.498 | 1121.850 | 4.458 |
| 1122.130 | 4.448 | 1127.310 | 1.738 | 1130.400 | 1.738 | 1132.550 | 1.658 |
| 1132.770 | 1.638 | 1139.500 | -1.280 | 1139.800 | -1.300 | 1139.800 | -1.640 |
| 1142.650 | -2.150 | 1142.950 | -2.160 | 1142.950 | -2.220 | 1142.950 | -2.300 |
| 1144.350 | -2.420 | 1146.650 | -2.220 | 1148.350 | -0.800 | 1149.950 | -0.530 |
| 1150.350 | -0.530 | 1151.350 | -0.680 | 1156.350 | -0.720 | 1166.350 | -0.895 |
| 1167.350 | -1.039 | 1169.350 | -1.109 | 1179.350 | -1.109 | 1188.150 | -1.009 |
| 1188.350 | -0.999 | 1189.750 | -0.959 | 1189.750 | -0.629 | 1191.350 | -0.369 |
| 1.2km | 0.000 | | | | 319 | 54 279 | 45 290 |
| -80.000 | -1.242 | -65.100 | -1.242 | -64.800 | -1.152 | -63.000 | -1.192 |
| -62.200 | -1.572 | -61.200 | -1.962 | -61.200 | -2.112 | -61.200 | -2.632 |
| -58.600 | -2.632 | -58.600 | -2.112 | -58.600 | -1.992 | -57.800 | -1.842 |
| -56.800 | -1.062 | -55.000 | -0.882 | -52.600 | -0.832 | -52.300 | -0.592 |
| -49.600 | -0.394 | -49.400 | 0.651 | -46.200 | 0.671 | -20.300 | 0.701 |
| -18.900 | 0.751 | -18.900 | 0.021 | -18.750 | 0.021 | -18.750 | -0.299 |
| -18.330 | -0.299 | -18.330 | -0.019 | -18.150 | 0.001 | -18.030 | 0.061 |
| -16.300 | 0.111 | -14.270 | 0.161 | -14.270 | 0.351 | -13.100 | 0.379 |
| -5.770 | 4.239 | -2.900 | 4.319 | -0.260 | 4.359 | -0.160 | 4.609 |
| 0.000 | 4.615 | 0.000 | 4.603 | 0.000 | 4.615 | 0.000 | 4.603 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 0.150 | 4.603 | 0.150 | 5.803 | 0.640 | 5.803 | 0.640 | 4.013 |
| 1.080 | 3.543 | 5.580 | 1.373 | 6.310 | 1.373 | 6.610 | 1.387 |
| 8.660 | 1.217 | 8.810 | 1.147 | 11.210 | 1.357 | 20.310 | 1.357 |
| 24.410 | 0.967 | 30.610 | 0.647 | 30.810 | 0.987 | 32.060 | 0.457 |
| 32.500 | 0.307 | 33.910 | -0.213 | 34.210 | -0.323 | 36.310 | -1.193 |
| 37.410 | -1.483 | 41.310 | -2.553 | 46.310 | -4.343 | 51.310 | -5.043 |
| 56.310 | -5.044 | 61.310 | -5.144 | 65.000 | -5.144 | 70.000 | -5.094 |
| 75.000 | -5.144 | 80.000 | -5.144 | 85.000 | -5.195 | 90.000 | -5.195 |
| 95.000 | -5.245 | 100.000 | -5.345 | 105.000 | -5.695 | 110.000 | -5.746 |
| 115.000 | -5.696 | 120.000 | -5.546 | 125.000 | -5.496 | 130.000 | -5.396 |
| 135.000 | -5.297 | 140.000 | -5.247 | 145.000 | -5.097 | 150.000 | -4.947 |
| 155.000 | -4.697 | 160.000 | -4.648 | 165.000 | -4.548 | 170.000 | -4.398 |
| 175.000 | -4.398 | 180.000 | -4.298 | 185.000 | -4.249 | 190.000 | -4.099 |
| 195.000 | -3.999 | 200.000 | -3.799 | 205.000 | -3.749 | 210.000 | -3.550 |
| 215.000 | -3.300 | 220.000 | -3.200 | 225.000 | -3.000 | 230.000 | -2.750 |
| 235.000 | -2.601 | 240.000 | -2.451 | 245.000 | -2.301 | 250.000 | -2.151 |
| 255.000 | -2.051 | 260.000 | -1.902 | 265.000 | -1.802 | 270.000 | -1.752 |
| 275.000 | -1.752 | 280.000 | -1.602 | 285.000 | -1.503 | 290.000 | -1.403 |
| 295.000 | -1.403 | 300.000 | -1.353 | 305.000 | -1.253 | 310.000 | -1.204 |
| 315.000 | -1.204 | 320.000 | -1.204 | 325.000 | -1.054 | 330.000 | -1.004 |
| 335.000 | -0.955 | 340.000 | -0.805 | 345.000 | -0.755 | 350.000 | -0.755 |
| 355.000 | -0.755 | 360.000 | -0.706 | 365.000 | -0.706 | 370.000 | -0.656 |
| 375.000 | -0.706 | 380.000 | -0.656 | 385.000 | -0.657 | 390.000 | -0.607 |
| 395.000 | -0.607 | 400.000 | -0.607 | 405.000 | -0.607 | 410.000 | -0.658 |
| 415.000 | -0.608 | 420.000 | -0.658 | 425.000 | -0.708 | 430.000 | -0.708 |
| 435.000 | -0.759 | 440.000 | -0.809 | 445.000 | -0.809 | 450.000 | -0.909 |
| 455.000 | -1.009 | 460.000 | -1.040 | 465.000 | -1.140 | 470.000 | -1.110 |
| 475.000 | -1.210 | 480.000 | -1.210 | 485.000 | -1.261 | 490.000 | -1.361 |
| 495.000 | -1.411 | 500.000 | -1.411 | 505.000 | -1.411 | 510.000 | -1.462 |
| 515.000 | -1.462 | 520.000 | -1.442 | 525.000 | -1.412 | 530.000 | -1.312 |
| 535.000 | -1.213 | 539.990 | -1.113 | 544.990 | -1.013 | 549.990 | -0.813 |
| 554.990 | -0.713 | 559.990 | -0.714 | 564.990 | -0.644 | 569.990 | -0.664 |
| 574.990 | -0.664 | 579.990 | -0.664 | 584.990 | -0.715 | 589.990 | -0.745 |
| 594.990 | -0.765 | 599.990 | -0.815 | 604.990 | -0.915 | 609.990 | -0.966 |
| 614.990 | -1.066 | 619.990 | -1.166 | 624.990 | -1.146 | 629.990 | -1.216 |
| 634.990 | -1.217 | 639.990 | -1.317 | 644.990 | -1.367 | 649.990 | -1.417 |
| 654.990 | -1.567 | 659.990 | -1.718 | 664.990 | -1.768 | 669.990 | -1.868 |
| 674.990 | -2.018 | 679.990 | -2.068 | 684.990 | -2.169 | 689.990 | -2.319 |
| 694.990 | -2.369 | 699.990 | -2.469 | 704.990 | -2.569 | 709.990 | -2.620 |
| 714.990 | -2.770 | 719.990 | -2.820 | 724.990 | -3.070 | 729.990 | -3.170 |
| 734.990 | -3.221 | 739.990 | -3.271 | 744.990 | -3.401 | 749.990 | -3.521 |
| 754.990 | -3.521 | 759.990 | -3.622 | 764.990 | -3.722 | 769.990 | -3.872 |
| 774.990 | -3.972 | 779.990 | -4.022 | 784.990 | -4.123 | 789.990 | -4.223 |
| 794.990 | -4.223 | 799.990 | -4.323 | 804.990 | -4.373 | 809.990 | -4.424 |
| 814.990 | -4.524 | 819.990 | -4.574 | 824.990 | -4.674 | 829.990 | -4.724 |
| 834.990 | -4.825 | 839.990 | -4.875 | 844.990 | -4.925 | 849.990 | -4.925 |
| 854.990 | -5.025 | 859.990 | -5.026 | 864.990 | -5.176 | 869.990 | -5.226 |
| 874.990 | -5.276 | 879.990 | -5.326 | 884.990 | -5.427 | 889.990 | -5.527 |
| 894.990 | -5.627 | 899.990 | -5.627 | 904.990 | -5.677 | 909.990 | -5.728 |
| 914.990 | -5.828 | 919.990 | -5.928 | 924.990 | -6.028 | 929.990 | -6.228 |
| 934.990 | -6.429 | 939.990 | -6.779 | 944.990 | -7.529 | 949.990 | -8.729 |
| 954.990 | -9.629 | 959.990 | -9.230 | 964.990 | -7.730 | 969.990 | -6.330 |
| 974.990 | -6.180 | 979.990 | -6.030 | 984.990 | -4.631 | 989.990 | -3.931 |
| 994.990 | -3.731 | 999.990 | -3.631 | 1004.990 | -3.531 | 1009.990 | -3.382 |
| 1014.990 | -3.282 | 1019.990 | -3.182 | 1024.990 | -3.082 | 1029.990 | -2.982 |
| 1034.990 | -2.933 | 1039.990 | -2.833 | 1044.990 | -2.983 | 1047.750 | -3.273 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 1052.750 | -3.363 | 1057.750 | -3.473 | 1062.750 | -3.614 | 1067.750 | -2.074 |
| 1068.050 | -2.024 | 1072.750 | -0.264 | 1073.250 | -0.324 | 1073.250 | 0.266 |
| 1073.250 | 0.398 | 1074.150 | 0.398 | 1074.750 | 0.778 | 1077.400 | 2.638 |
| 1077.750 | 2.742 | 1077.750 | 2.737 | 1078.650 | 2.767 | 1082.470 | 2.937 |
| 1088.470 | 3.147 | 1097.470 | 3.427 | 1102.670 | 3.567 | 1103.070 | 3.937 |
| 1103.250 | 4.517 | 1103.250 | 4.807 | 1103.470 | 4.807 | 1103.470 | 4.819 |
| 1103.560 | 4.814 | 1103.600 | 4.704 | 1106.370 | 4.704 | 1108.870 | 4.604 |
| 1109.220 | 4.424 | 1109.470 | 4.394 | 1109.570 | 4.294 | 1114.970 | 1.544 |
| 1117.770 | 1.484 | 1120.270 | 1.434 | 1120.370 | 1.434 | 1126.820 | -1.368 |
| 1127.120 | -1.378 | 1127.120 | -1.668 | 1129.220 | -2.068 | 1130.220 | -2.238 |
| 1130.220 | -2.368 | 1133.470 | -2.368 | 1134.270 | -2.068 | 1136.470 | -0.828 |
| 1138.070 | -0.678 | 1138.770 | -1.148 | 1139.270 | -1.268 | 1153.470 | -1.318 |
| 1155.770 | -1.208 | 1156.070 | -1.268 | 1156.270 | -1.628 | 1156.770 | -1.628 |
| 1156.970 | -1.318 | 1157.370 | -1.358 | 1178.470 | -1.438 | | |
| 1.4km | 0.000 | | | | 328 | 57 280 | 48 285 |
| -80.000 | -1.274 | -74.500 | -1.274 | -74.000 | -1.074 | -72.000 | -1.034 |
| -70.500 | -1.704 | -69.700 | -1.864 | -69.700 | -2.074 | -69.700 | -2.834 |
| -67.200 | -2.294 | -67.200 | -2.074 | -67.200 | -1.794 | -63.500 | -0.864 |
| -60.900 | -0.784 | -60.400 | -0.474 | -57.800 | -0.174 | -55.500 | 0.946 |
| -52.500 | 0.726 | -52.000 | 0.426 | -51.600 | 0.426 | -50.000 | 0.886 |
| -46.700 | 0.953 | -36.900 | 0.693 | -31.300 | 0.563 | -30.500 | 0.563 |
| -29.500 | 1.063 | -24.500 | 1.043 | -24.400 | 0.483 | -20.800 | 0.313 |
| -19.570 | 0.223 | -18.980 | 0.223 | -18.980 | 0.223 | -17.600 | 0.223 |
| -13.950 | 0.293 | -13.950 | 0.483 | -13.230 | 0.523 | -5.820 | 4.293 |
| -2.900 | 4.413 | -0.250 | 4.473 | -0.150 | 4.733 | 0.000 | 4.742 |
| 0.000 | 4.737 | 0.000 | 4.742 | 0.000 | 4.737 | 0.140 | 4.737 |
| 0.140 | 5.817 | 0.650 | 5.817 | 0.650 | 4.077 | 1.100 | 3.637 |
| 5.600 | 1.487 | 6.630 | 1.477 | 8.720 | 1.387 | 10.110 | 0.747 |
| 16.710 | 0.516 | 25.410 | 0.656 | 32.210 | 0.606 | 32.210 | 0.612 |
| 33.310 | 0.102 | 38.710 | -1.248 | 41.010 | -2.358 | 43.710 | -3.298 |
| 48.710 | -5.878 | 52.000 | -6.288 | 55.000 | -6.338 | 60.000 | -6.688 |
| 65.000 | -6.838 | 70.000 | -6.888 | 75.000 | -6.938 | 80.000 | -6.888 |
| 85.000 | -6.838 | 90.000 | -6.738 | 95.000 | -6.638 | 100.000 | -6.438 |
| 105.000 | -6.438 | 110.000 | -6.288 | 115.000 | -6.088 | 120.000 | -5.888 |
| 125.000 | -5.788 | 130.000 | -5.588 | 135.000 | -5.388 | 140.000 | -5.088 |
| 145.000 | -4.888 | 150.000 | -4.688 | 155.000 | -4.488 | 160.000 | -4.338 |
| 165.000 | -4.088 | 170.000 | -3.938 | 175.000 | -3.788 | 180.000 | -3.588 |
| 185.000 | -3.488 | 190.000 | -3.288 | 195.000 | -3.138 | 200.000 | -3.088 |
| 205.000 | -2.888 | 210.000 | -2.788 | 215.000 | -2.638 | 220.000 | -2.538 |
| 225.000 | -2.388 | 230.000 | -2.388 | 235.000 | -1.988 | 240.000 | -1.888 |
| 245.000 | -1.938 | 250.000 | -1.738 | 255.000 | -1.638 | 260.000 | -1.588 |
| 265.000 | -1.538 | 270.000 | -1.438 | 275.000 | -1.438 | 280.000 | -1.338 |
| 285.000 | -1.188 | 290.000 | -1.188 | 295.000 | -1.138 | 300.000 | -0.988 |
| 305.000 | -0.988 | 310.000 | -0.888 | 315.000 | -0.888 | 320.000 | -0.738 |
| 325.000 | -0.688 | 330.000 | -0.739 | 335.000 | -0.589 | 340.000 | -0.539 |
| 345.000 | -0.589 | 350.000 | -0.589 | 355.000 | -0.539 | 360.000 | -0.489 |
| 365.000 | -0.489 | 370.000 | -0.489 | 375.000 | -0.589 | 380.000 | -0.539 |
| 385.000 | -0.589 | 390.000 | -0.539 | 395.000 | -0.589 | 400.000 | -0.689 |
| 405.000 | -0.689 | 410.000 | -0.689 | 415.000 | -0.889 | 420.000 | -0.789 |
| 425.000 | -0.839 | 430.000 | -0.889 | 435.000 | -0.839 | 440.000 | -0.839 |
| 445.000 | -0.839 | 450.000 | -0.839 | 455.000 | -0.839 | 460.000 | -0.889 |
| 465.000 | -0.889 | 470.000 | -0.989 | 475.000 | -1.039 | 480.000 | -1.039 |
| 485.000 | -1.039 | 490.000 | -1.089 | 495.000 | -1.039 | 500.000 | -0.989 |
| 505.000 | -0.989 | 510.000 | -0.889 | 515.000 | -0.839 | 520.000 | -0.689 |
| 525.000 | -0.589 | 530.000 | -0.589 | 535.000 | -0.489 | 540.000 | -0.489 |
| 545.000 | -0.439 | 550.000 | -0.389 | 555.010 | -0.439 | 560.010 | -0.539 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 565.010 | -0.839 | 570.010 | -0.989 | 575.010 | -1.139 | 580.010 | -1.139 |
| 585.010 | -1.289 | 590.010 | -1.289 | 595.010 | -1.289 | 600.010 | -1.289 |
| 605.010 | -1.289 | 610.010 | -1.289 | 615.010 | -1.289 | 620.010 | -1.339 |
| 625.010 | -1.489 | 630.010 | -1.739 | 635.010 | -2.089 | 640.010 | -2.139 |
| 645.010 | -2.389 | 650.010 | -2.589 | 655.010 | -2.739 | 660.010 | -2.839 |
| 665.010 | -2.989 | 670.010 | -3.089 | 675.010 | -3.239 | 680.010 | -3.289 |
| 685.010 | -3.439 | 690.010 | -3.589 | 695.010 | -3.639 | 700.010 | -3.739 |
| 705.010 | -3.789 | 710.010 | -3.889 | 715.010 | -3.889 | 720.010 | -3.939 |
| 725.010 | -4.039 | 730.010 | -4.089 | 735.010 | -4.089 | 740.010 | -4.139 |
| 745.010 | -4.189 | 750.010 | -4.139 | 755.010 | -4.239 | 760.010 | -4.189 |
| 765.010 | -4.389 | 770.010 | -4.389 | 775.010 | -4.439 | 780.010 | -4.489 |
| 785.010 | -4.539 | 790.010 | -4.589 | 795.010 | -4.589 | 800.010 | -4.639 |
| 805.010 | -4.639 | 810.010 | -4.639 | 815.010 | -4.689 | 820.010 | -4.689 |
| 825.010 | -4.689 | 830.010 | -4.689 | 835.010 | -4.739 | 840.010 | -4.739 |
| 845.010 | -4.739 | 850.010 | -4.739 | 855.010 | -4.739 | 860.010 | -4.739 |
| 865.010 | -4.739 | 870.010 | -4.739 | 875.010 | -4.739 | 880.010 | -4.790 |
| 885.010 | -4.790 | 890.010 | -4.790 | 895.010 | -4.840 | 900.010 | -4.840 |
| 905.010 | -4.840 | 910.010 | -4.790 | 915.010 | -4.790 | 920.010 | -4.740 |
| 925.010 | -4.740 | 930.010 | -4.690 | 935.010 | -4.690 | 940.010 | -4.590 |
| 945.010 | -4.590 | 950.010 | -4.540 | 955.010 | -4.490 | 960.010 | -4.390 |
| 965.010 | -4.240 | 970.010 | -3.990 | 975.010 | -3.790 | 980.010 | -3.640 |
| 985.010 | -3.440 | 990.010 | -3.290 | 995.010 | -3.090 | 1000.010 | -2.990 |
| 1005.010 | -2.890 | 1010.010 | -2.740 | 1015.010 | -2.640 | 1020.010 | -2.540 |
| 1025.010 | -2.440 | 1030.010 | -2.340 | 1035.010 | -2.140 | 1040.010 | -2.040 |
| 1045.010 | -1.990 | 1050.010 | -1.990 | 1055.010 | -1.890 | 1060.010 | -1.790 |
| 1061.090 | -1.740 | 1066.090 | -1.790 | 1071.090 | -1.650 | 1076.090 | -1.460 |
| 1081.090 | -1.240 | 1086.090 | -1.160 | 1091.090 | -0.750 | 1092.190 | -0.660 |
| 1096.090 | 0.250 | 1097.710 | 0.610 | 1101.090 | 1.450 | 1101.090 | 1.441 |
| 1101.510 | 1.731 | 1102.890 | 1.771 | 1102.890 | 2.281 | 1103.100 | 2.331 |
| 1103.100 | 2.071 | 1104.470 | 2.031 | 1105.570 | 1.991 | 1109.740 | 4.011 |
| 1110.240 | 4.491 | 1110.240 | 5.861 | 1110.750 | 5.861 | 1110.750 | 5.031 |
| 1110.970 | 5.031 | 1110.970 | 5.036 | 1111.120 | 5.033 | 1111.240 | 4.743 |
| 1111.490 | 4.723 | 1113.770 | 4.673 | 1116.420 | 4.613 | 1116.720 | 4.633 |
| 1117.050 | 4.623 | 1117.070 | 4.543 | 1122.470 | 1.593 | 1124.970 | 1.553 |
| 1127.630 | 1.503 | 1127.850 | 1.483 | 1131.670 | -0.357 | 1134.670 | -0.317 |
| 1138.270 | -0.287 | 1138.270 | 0.143 | 1138.470 | 0.153 | 1138.470 | -0.537 |
| 1138.570 | -0.537 | 1138.570 | -0.417 | 1148.170 | -0.417 | 1148.170 | -0.547 |
| 1150.370 | -0.547 | 1150.370 | -0.417 | 1150.570 | -0.417 | 1150.570 | 0.143 |
| 1151.970 | 0.143 | 1151.970 | -0.287 | 1160.970 | -0.347 | 1166.470 | -0.407 |
| 1166.470 | -0.697 | 1166.820 | -0.697 | 1166.820 | -0.407 | 1169.970 | -0.406 |
| 1175.970 | -1.006 | 1179.970 | -1.416 | 1179.970 | -2.006 | 1185.970 | -1.936 |
| 1.6km | 0.000 | | | | 339 | 46 287 | 42 297 |
| -76.000 | 0.447 | -72.400 | 0.457 | -71.800 | 0.417 | -71.800 | 0.517 |
| -71.500 | 0.517 | -71.500 | 0.307 | -70.000 | 0.298 | -65.000 | 0.688 |
| -59.500 | 0.788 | -59.200 | 0.838 | -57.700 | 0.838 | -56.900 | 0.578 |
| -48.700 | 0.438 | -46.800 | 0.948 | -45.000 | 1.028 | -36.000 | 0.888 |
| -26.500 | 0.728 | -24.370 | -0.462 | -24.170 | -0.462 | -24.170 | -0.762 |
| -23.870 | -0.762 | -23.870 | -0.482 | -23.670 | -0.482 | -23.030 | 0.748 |
| -22.520 | 0.731 | -17.000 | 0.791 | -13.070 | 0.861 | -13.070 | 1.121 |
| -12.430 | 1.121 | -5.900 | 4.351 | -2.850 | 4.411 | -0.240 | 4.461 |
| -0.140 | 4.721 | 0.000 | 4.720 | 0.000 | 4.703 | 0.000 | 4.720 |
| 0.000 | 4.703 | 0.200 | 4.703 | 0.200 | 5.723 | 0.700 | 5.723 |
| 0.700 | 3.893 | 1.120 | 3.483 | 5.590 | 1.243 | 6.660 | 1.243 |
| 8.790 | 1.143 | 10.350 | 0.497 | 13.650 | -1.003 | 13.800 | -1.053 |
| 18.800 | -1.503 | 23.800 | -1.823 | 25.000 | -1.852 | 30.000 | -2.252 |
| 35.000 | -2.652 | 40.000 | -3.052 | 45.000 | -3.252 | 50.000 | -3.401 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 55.000 | -3.501 | 60.000 | -3.651 | 65.000 | -3.751 | 70.000 | -3.851 |
| 75.000 | -3.850 | 80.000 | -3.900 | 85.000 | -3.900 | 90.000 | -3.950 |
| 95.000 | -3.949 | 100.000 | -3.999 | 105.000 | -4.049 | 110.000 | -4.099 |
| 115.000 | -4.149 | 120.000 | -4.148 | 125.000 | -4.148 | 130.000 | -4.148 |
| 135.000 | -4.148 | 140.000 | -4.098 | 145.000 | -4.047 | 150.000 | -3.997 |
| 155.000 | -3.897 | 160.000 | -3.847 | 165.000 | -3.796 | 170.000 | -3.746 |
| 175.000 | -3.646 | 180.000 | -3.596 | 185.000 | -3.546 | 190.000 | -3.495 |
| 195.000 | -3.395 | 200.000 | -3.295 | 205.000 | -3.295 | 210.000 | -3.295 |
| 215.000 | -3.294 | 220.000 | -3.294 | 225.000 | -3.294 | 230.000 | -3.294 |
| 235.000 | -3.243 | 240.000 | -3.243 | 245.000 | -3.243 | 250.000 | -3.243 |
| 255.000 | -3.243 | 260.000 | -3.192 | 265.000 | -3.242 | 270.000 | -3.242 |
| 275.000 | -3.242 | 280.000 | -3.292 | 285.000 | -3.291 | 290.000 | -3.341 |
| 295.000 | -3.341 | 300.000 | -3.391 | 305.000 | -3.340 | 310.000 | -3.340 |
| 315.000 | -3.290 | 320.000 | -3.290 | 325.000 | -3.240 | 330.000 | -3.239 |
| 335.000 | -3.189 | 340.000 | -3.189 | 342.000 | -3.239 | 345.000 | -3.139 |
| 350.000 | -2.939 | 355.000 | -2.738 | 360.000 | -2.588 | 365.000 | -2.388 |
| 370.000 | -2.238 | 371.000 | -2.188 | 375.000 | -1.737 | 380.000 | -1.037 |
| 385.000 | -0.637 | 390.000 | -0.237 | 395.000 | -0.037 | 400.000 | -0.186 |
| 405.000 | -0.186 | 410.000 | -0.236 | 415.000 | -0.336 | 420.000 | -0.386 |
| 425.000 | -0.485 | 430.000 | -0.535 | 435.000 | -0.635 | 440.000 | -0.635 |
| 445.000 | -0.584 | 450.000 | -0.584 | 455.000 | -0.534 | 460.000 | -0.534 |
| 465.000 | -0.534 | 470.000 | -0.483 | 475.000 | -0.483 | 480.000 | -0.483 |
| 485.000 | -0.483 | 490.000 | -0.483 | 495.000 | -0.582 | 500.000 | -0.682 |
| 505.000 | -0.732 | 510.000 | -0.832 | 515.000 | -0.881 | 520.000 | -0.931 |
| 525.000 | -0.931 | 530.000 | -0.981 | 535.000 | -0.931 | 540.000 | -0.930 |
| 545.000 | -0.930 | 550.000 | -0.880 | 555.000 | -0.880 | 560.000 | -0.830 |
| 565.000 | -0.629 | 570.000 | -0.629 | 575.000 | -0.579 | 580.000 | -0.579 |
| 585.000 | -0.628 | 590.000 | -0.828 | 595.000 | -1.028 | 600.000 | -1.028 |
| 605.000 | -1.378 | 610.000 | -2.527 | 615.000 | -2.777 | 620.000 | -2.927 |
| 625.000 | -2.977 | 630.000 | -2.977 | 635.000 | -3.026 | 640.000 | -3.026 |
| 645.000 | -2.976 | 650.000 | -3.076 | 655.000 | -3.175 | 660.000 | -3.275 |
| 665.000 | -3.325 | 670.000 | -3.425 | 675.000 | -3.475 | 680.000 | -3.574 |
| 685.000 | -3.674 | 690.000 | -3.774 | 695.000 | -3.924 | 700.000 | -3.974 |
| 705.000 | -3.973 | 710.000 | -4.023 | 715.000 | -4.023 | 720.000 | -4.023 |
| 725.000 | -4.072 | 730.000 | -4.072 | 735.000 | -4.072 | 740.000 | -4.072 |
| 745.000 | -4.122 | 750.000 | -4.121 | 755.000 | -4.121 | 760.000 | -4.171 |
| 765.000 | -4.171 | 770.000 | -4.171 | 775.000 | -4.220 | 780.000 | -4.220 |
| 785.000 | -4.270 | 790.000 | -4.270 | 795.000 | -4.319 | 800.000 | -4.319 |
| 805.000 | -4.369 | 810.000 | -4.369 | 815.000 | -4.369 | 820.000 | -4.368 |
| 825.000 | -4.318 | 830.000 | -4.318 | 835.000 | -4.318 | 840.000 | -4.268 |
| 845.000 | -4.267 | 850.000 | -4.317 | 855.000 | -4.317 | 860.000 | -4.317 |
| 865.000 | -4.366 | 870.000 | -4.416 | 875.000 | -4.416 | 880.000 | -4.466 |
| 885.000 | -4.466 | 890.000 | -4.465 | 895.000 | -4.515 | 900.000 | -4.515 |
| 905.000 | -4.515 | 910.000 | -4.515 | 915.000 | -4.514 | 920.000 | -4.514 |
| 925.000 | -4.514 | 930.000 | -4.514 | 935.000 | -4.513 | 940.000 | -4.513 |
| 945.000 | -4.513 | 950.000 | -4.513 | 955.000 | -4.463 | 960.000 | -4.462 |
| 965.000 | -4.412 | 970.000 | -4.312 | 975.000 | -4.312 | 980.000 | -4.212 |
| 985.000 | -4.111 | 990.000 | -4.061 | 995.000 | -3.961 | 1000.000 | -3.861 |
| 1005.000 | -3.860 | 1010.000 | -3.710 | 1015.000 | -3.560 | 1020.000 | -3.410 |
| 1025.000 | -3.260 | 1030.000 | -3.159 | 1035.000 | -3.109 | 1040.000 | -3.009 |
| 1045.000 | -2.959 | 1050.000 | -2.859 | 1055.000 | -2.708 | 1060.000 | -2.558 |
| 1065.000 | -2.408 | 1070.000 | -2.208 | 1075.000 | -1.957 | 1080.000 | -1.657 |
| 1085.000 | -1.507 | 1090.000 | -1.307 | 1095.000 | -1.107 | 1100.000 | -0.906 |
| 1105.000 | -0.756 | 1110.000 | -0.706 | 1115.000 | -0.706 | 1120.000 | -0.656 |
| 1125.000 | -0.655 | 1130.000 | -0.655 | 1135.000 | -0.655 | 1140.000 | -0.655 |
| 1145.000 | -0.604 | 1148.090 | -0.794 | 1153.090 | -0.694 | 1158.090 | -0.774 |

S59横断データ (-0.6~56.2).dat

| | | | | | | | |
|----------|--------|----------|--------|----------|--------|----------|--------|
| 1163.090 | -0.794 | 1168.090 | -0.763 | 1173.090 | -0.653 | 1174.490 | -0.543 |
| 1178.090 | 0.257 | 1179.250 | 0.547 | 1183.090 | 1.617 | 1183.090 | 1.613 |
| 1183.500 | 1.883 | 1185.900 | 2.033 | 1186.900 | 2.043 | 1191.340 | 4.123 |
| 1191.880 | 4.643 | 1191.880 | 5.933 | 1192.390 | 5.923 | 1192.390 | 5.143 |
| 1192.600 | 5.143 | 1192.600 | 5.149 | 1192.740 | 5.142 | 1192.870 | 4.882 |
| 1193.150 | 4.872 | 1195.700 | 4.822 | 1199.050 | 4.722 | 1199.380 | 4.732 |
| 1204.550 | 2.022 | 1205.170 | 1.992 | 1205.170 | 1.692 | 1208.000 | 1.672 |
| 1210.530 | 1.642 | 1210.700 | 1.642 | 1213.400 | 0.337 | 1215.300 | 0.367 |
| 1216.200 | 0.087 | 1216.300 | 0.047 | 1216.300 | -0.203 | 1216.600 | -0.203 |
| 1216.600 | 0.037 | 1216.700 | 0.037 | 1216.700 | 0.387 | 1219.600 | 0.367 |
| 1221.700 | 0.267 | 1221.900 | 0.267 | 1221.900 | -0.323 | 1222.200 | -0.323 |
| 1222.200 | -0.033 | 1223.700 | 0.007 | 1229.500 | -0.003 | 1237.900 | -0.063 |
| 1239.300 | -0.063 | 1239.700 | -0.053 | 1246.600 | -0.053 | 1247.100 | -0.053 |
| 1253.700 | -0.033 | 1254.300 | -0.083 | 1258.000 | -0.133 | 1262.400 | -0.093 |
| 1265.300 | -0.103 | 1265.500 | -0.183 | 1267.600 | -0.183 | | |
| 1.8km | 0.000 | | | | 320 | 52 258 | 48 287 |
| -75.000 | 0.904 | -70.000 | 0.904 | -61.800 | 1.064 | -61.300 | 1.064 |
| -60.300 | 0.194 | -59.800 | 0.164 | -59.800 | -0.956 | -55.000 | -1.026 |
| -50.000 | -1.146 | -45.000 | -1.136 | -40.000 | -1.126 | -35.000 | -1.136 |
| -30.000 | -1.156 | -24.960 | -0.396 | -24.960 | 0.114 | -24.960 | 0.694 |
| -24.470 | 0.694 | -24.040 | -0.676 | -24.000 | -0.756 | -23.750 | -0.766 |
| -23.400 | -0.776 | -23.400 | -1.066 | -23.100 | -1.066 | -23.100 | -0.776 |
| -22.900 | -0.776 | -22.870 | -0.676 | -22.250 | 0.594 | -21.800 | 0.554 |
| -16.000 | 0.714 | -11.930 | 0.804 | -11.930 | 0.984 | -11.240 | 1.014 |
| -6.150 | 3.644 | -6.060 | 3.874 | -5.800 | 3.884 | -5.710 | 3.914 |
| -2.800 | 3.974 | -0.240 | 4.004 | -0.130 | 4.244 | 0.000 | 4.256 |
| 0.000 | 4.249 | 0.000 | 4.256 | 0.000 | 4.249 | 0.180 | 4.249 |
| 0.180 | 5.689 | 0.690 | 5.689 | 0.690 | 3.559 | 1.140 | 3.099 |
| 5.600 | 0.823 | 6.650 | 0.801 | 8.640 | 0.701 | 10.050 | 0.108 |
| 12.340 | -0.982 | 13.640 | -1.092 | 18.640 | -1.471 | 23.640 | -1.631 |
| 28.640 | -1.890 | 35.000 | -2.090 | 40.000 | -2.340 | 45.000 | -2.489 |
| 50.000 | -2.539 | 55.000 | -2.638 | 60.000 | -2.738 | 65.000 | -2.838 |
| 70.000 | -2.887 | 75.000 | -3.037 | 80.000 | -3.186 | 85.000 | -3.336 |
| 90.000 | -3.486 | 95.000 | -3.635 | 100.000 | -3.785 | 105.000 | -3.884 |
| 110.000 | -3.884 | 115.000 | -3.934 | 120.000 | -3.933 | 125.000 | -3.933 |
| 130.000 | -3.932 | 135.000 | -3.932 | 140.000 | -3.932 | 145.000 | -3.781 |
| 150.000 | -3.831 | 155.000 | -3.830 | 160.000 | -3.780 | 165.000 | -3.730 |
| 170.000 | -3.729 | 175.000 | -3.679 | 180.000 | -3.628 | 185.000 | -3.578 |
| 190.000 | -3.528 | 195.000 | -3.477 | 200.000 | -3.427 | 205.000 | -3.376 |
| 210.000 | -3.326 | 215.000 | -3.326 | 220.000 | -3.225 | 225.000 | -3.225 |
| 230.000 | -3.224 | 235.000 | -3.174 | 240.000 | -3.174 | 245.000 | -3.123 |
| 250.000 | -3.123 | 255.000 | -3.073 | 260.000 | -3.022 | 265.000 | -2.972 |
| 270.000 | -2.921 | 275.000 | -2.871 | 280.000 | -2.821 | 285.000 | -2.770 |
| 290.000 | -2.720 | 295.000 | -2.619 | 300.000 | -2.569 | 305.000 | -2.519 |
| 310.000 | -2.468 | 315.000 | -2.418 | 320.000 | -2.367 | 325.000 | -2.367 |
| 330.000 | -2.367 | 335.000 | -2.366 | 340.000 | -2.366 | 345.000 | -2.365 |
| 350.000 | -2.315 | 355.000 | -2.315 | 360.000 | -2.264 | 365.000 | -2.314 |
| 370.000 | -2.313 | 375.000 | -2.313 | 380.000 | -2.363 | 385.000 | -2.362 |
| 390.000 | -2.362 | 395.000 | -2.361 | 400.000 | -2.411 | 405.000 | -2.411 |
| 410.000 | -2.360 | 415.000 | -2.360 | 420.000 | -2.359 | 425.000 | -2.359 |
| 430.000 | -2.309 | 435.000 | -2.208 | 440.000 | -2.108 | 445.000 | -1.908 |
| 450.000 | -1.707 | 455.000 | -1.607 | 460.000 | -1.506 | 465.000 | -1.406 |
| 470.000 | -1.356 | 475.000 | -1.355 | 480.000 | -1.405 | 485.000 | -1.504 |
| 490.000 | -1.604 | 495.000 | -1.704 | 500.000 | -1.803 | 505.000 | -1.953 |
| 510.000 | -2.052 | 515.000 | -2.102 | 520.000 | -2.102 | 525.000 | -2.151 |
| 530.000 | -2.201 | 535.000 | -2.250 | 540.010 | -2.250 | 545.010 | -2.250 |

S59横断データ (-0.6~56.2).dat

| | | | | | | | |
|----------|--------|----------|--------|----------|--------|----------|--------|
| 550.010 | -2.249 | 555.010 | -2.299 | 560.010 | -2.298 | 565.010 | -2.448 |
| 570.010 | -2.548 | 575.010 | -2.697 | 580.010 | -2.897 | 585.010 | -3.096 |
| 590.010 | -3.296 | 595.010 | -3.546 | 600.010 | -3.745 | 605.010 | -3.895 |
| 610.010 | -3.944 | 615.010 | -3.994 | 620.010 | -4.044 | 625.010 | -4.043 |
| 630.010 | -4.043 | 635.010 | -4.042 | 640.010 | -3.992 | 645.010 | -4.042 |
| 650.010 | -4.041 | 655.010 | -4.091 | 660.010 | -4.091 | 665.010 | -4.090 |
| 670.010 | -4.090 | 675.010 | -4.089 | 680.010 | -4.089 | 685.010 | -4.089 |
| 690.010 | -4.088 | 695.010 | -4.088 | 700.010 | -4.087 | 705.010 | -4.137 |
| 710.010 | -4.137 | 715.010 | -4.136 | 720.010 | -4.136 | 725.010 | -4.085 |
| 730.010 | -4.085 | 735.010 | -4.085 | 740.010 | -4.084 | 745.010 | -4.084 |
| 750.010 | -4.083 | 755.010 | -4.033 | 760.010 | -4.033 | 765.010 | -4.032 |
| 770.010 | -4.032 | 775.010 | -4.031 | 780.010 | -4.031 | 785.010 | -4.031 |
| 790.010 | -4.030 | 795.010 | -4.030 | 800.010 | -4.079 | 805.010 | -4.079 |
| 810.010 | -4.079 | 815.010 | -4.078 | 820.010 | -4.078 | 825.010 | -4.127 |
| 830.010 | -4.127 | 835.010 | -4.177 | 840.010 | -4.176 | 845.010 | -4.226 |
| 850.010 | -4.225 | 855.010 | -4.225 | 860.010 | -4.275 | 865.010 | -4.274 |
| 870.010 | -4.324 | 875.010 | -4.324 | 880.010 | -4.323 | 885.010 | -4.323 |
| 890.010 | -4.322 | 895.010 | -4.322 | 900.010 | -4.322 | 915.010 | -4.420 |
| 920.010 | -4.420 | 925.010 | -4.420 | 930.010 | -4.419 | 935.010 | -4.469 |
| 940.010 | -4.518 | 945.010 | -4.518 | 950.010 | -4.418 | 955.010 | -4.267 |
| 960.010 | -4.117 | 965.010 | -3.916 | 970.010 | -3.666 | 975.010 | -3.466 |
| 980.010 | -3.215 | 985.010 | -2.965 | 990.010 | -2.764 | 995.010 | -2.564 |
| 1000.010 | -2.364 | 1005.010 | -2.313 | 1010.010 | -2.113 | 1015.010 | -1.812 |
| 1020.010 | -1.462 | 1025.010 | -1.212 | 1030.010 | -1.011 | 1035.010 | -0.811 |
| 1040.010 | -0.560 | 1045.010 | -0.460 | 1046.480 | -0.520 | 1051.480 | -0.500 |
| 1056.480 | -0.479 | 1061.480 | -0.379 | 1066.480 | -0.228 | 1071.480 | 0.192 |
| 1071.480 | -0.118 | 1071.480 | 0.112 | 1071.480 | -0.116 | 1080.780 | 0.024 |
| 1088.880 | 0.034 | 1102.080 | 0.004 | 1112.080 | 0.054 | 1121.280 | 0.104 |
| 1131.480 | 0.184 | 1142.080 | 0.444 | 1152.280 | 0.764 | 1162.080 | 0.814 |
| 1164.680 | 0.384 | 1170.280 | 0.504 | 1175.800 | 1.024 | 1179.080 | 1.802 |
| 1179.430 | 2.012 | 1181.870 | 2.182 | 1182.860 | 2.182 | 1187.380 | 4.302 |
| 1187.820 | 4.762 | 1187.820 | 5.902 | 1188.340 | 5.902 | 1188.340 | 5.282 |
| 1188.530 | 5.282 | 1188.530 | 5.291 | 1188.680 | 5.276 | 1188.850 | 4.976 |
| 1189.080 | 4.966 | 1191.430 | 4.906 | 1194.030 | 4.856 | 1194.310 | 4.876 |
| 1194.680 | 4.886 | 1194.700 | 4.656 | 1199.530 | 2.136 | 1200.140 | 2.126 |
| 1200.140 | 1.836 | 1202.930 | 1.796 | 1205.280 | 1.736 | 1205.510 | 1.736 |
| 1210.230 | 1.336 | 1216.530 | 1.046 | 1219.530 | 0.906 | 1225.530 | 0.339 |
| 1228.130 | 0.269 | 1231.030 | 0.259 | 1231.830 | 0.259 | 1242.930 | 0.219 |
| 1243.330 | 0.219 | 1251.130 | 0.249 | 1251.330 | 0.249 | 1251.330 | 0.529 |
| 1252.030 | 0.529 | 1257.630 | 0.429 | 1258.530 | 0.429 | 1263.530 | 0.389 |
| 2.0km | 0.000 | | | | 316 | 47 281 | 36 284 |
| -75.000 | -2.464 | -70.000 | -2.454 | -65.000 | -2.424 | -60.000 | -2.414 |
| -55.000 | -2.484 | -50.000 | -2.434 | -45.000 | -2.434 | -40.000 | -2.414 |
| -35.000 | -2.404 | -30.000 | -2.474 | -25.000 | -2.504 | -20.000 | -2.374 |
| -15.000 | -2.024 | -10.020 | -2.134 | -10.020 | -0.374 | -10.020 | 3.468 |
| -9.400 | 3.728 | -6.340 | 5.048 | -6.340 | 5.328 | -6.100 | 5.328 |
| -5.620 | 5.328 | -2.850 | 5.338 | -0.240 | 5.378 | -0.240 | 5.548 |
| 0.000 | 5.549 | 0.000 | 5.548 | 0.000 | 5.549 | 0.000 | 5.548 |
| 0.210 | 5.548 | 2.500 | 5.538 | 2.880 | 5.478 | 3.080 | 5.478 |
| 6.000 | 5.608 | 7.000 | 5.818 | 7.900 | 5.688 | 11.880 | 5.798 |
| 11.880 | 6.638 | 12.510 | 6.638 | 12.510 | 6.158 | 13.040 | 5.468 |
| 17.870 | 3.078 | 18.880 | 3.038 | 18.880 | 2.858 | 23.000 | 2.808 |
| 24.540 | 2.808 | 24.540 | 2.988 | 26.850 | 2.979 | 29.380 | 1.453 |
| 29.710 | 1.443 | 30.110 | 1.425 | 30.110 | -0.008 | 30.110 | -1.288 |
| 34.700 | -1.348 | 39.700 | -1.908 | 44.700 | -2.577 | 49.700 | -2.857 |
| 54.700 | -2.937 | 60.300 | -2.706 | 65.000 | -2.706 | 70.000 | -2.756 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 75.000 | -2.855 | 80.000 | -2.955 | 85.000 | -3.005 | 90.000 | -3.104 |
| 95.000 | -3.154 | 100.000 | -3.204 | 105.000 | -3.254 | 108.000 | -3.303 |
| 110.000 | -3.303 | 115.000 | -3.303 | 120.000 | -3.303 | 125.000 | -3.302 |
| 130.000 | -3.352 | 135.000 | -3.352 | 140.000 | -3.351 | 145.000 | -3.351 |
| 150.000 | -3.501 | 155.000 | -3.500 | 160.000 | -3.550 | 165.000 | -3.550 |
| 170.000 | -3.549 | 175.000 | -3.549 | 180.000 | -3.549 | 185.000 | -3.598 |
| 190.000 | -3.398 | 193.000 | -3.298 | 195.000 | -3.448 | 200.000 | -3.347 |
| 205.000 | -3.347 | 210.000 | -3.397 | 215.000 | -3.096 | 220.000 | -2.846 |
| 225.000 | -3.046 | 230.000 | -3.045 | 235.000 | -2.995 | 240.000 | -2.945 |
| 245.000 | -2.894 | 250.000 | -2.844 | 255.000 | -2.494 | 260.000 | -2.393 |
| 265.000 | -2.293 | 270.000 | -2.493 | 275.000 | -2.742 | 277.000 | -3.142 |
| 280.000 | -2.992 | 285.000 | -2.992 | 290.000 | -3.041 | 295.000 | -3.191 |
| 300.000 | -3.041 | 303.000 | -2.841 | 310.000 | -2.940 | 315.000 | -2.940 |
| 320.000 | -2.940 | 325.000 | -2.889 | 330.000 | -2.889 | 335.000 | -2.839 |
| 340.000 | -2.788 | 345.000 | -2.738 | 350.000 | -2.688 | 355.000 | -2.687 |
| 360.000 | -2.637 | 365.000 | -2.637 | 370.000 | -2.586 | 375.000 | -2.586 |
| 380.000 | -2.586 | 385.000 | -2.635 | 390.000 | -2.685 | 395.000 | -2.785 |
| 400.000 | -2.834 | 405.000 | -2.884 | 410.000 | -2.934 | 415.000 | -2.933 |
| 420.000 | -2.933 | 425.000 | -2.983 | 430.000 | -2.982 | 435.000 | -2.982 |
| 440.000 | -2.982 | 445.000 | -2.981 | 450.000 | -2.981 | 455.000 | -3.081 |
| 460.000 | -2.980 | 465.000 | -3.030 | 470.000 | -3.130 | 475.000 | -3.179 |
| 480.000 | -3.279 | 485.000 | -3.279 | 490.000 | -3.228 | 495.000 | -3.128 |
| 500.000 | -3.028 | 505.000 | -2.827 | 510.000 | -2.677 | 515.000 | -2.077 |
| 517.000 | -2.327 | 520.000 | -3.477 | 525.000 | -5.026 | 530.000 | -4.826 |
| 535.000 | -4.676 | 540.000 | -4.475 | 545.000 | -4.375 | 550.000 | -4.325 |
| 555.000 | -4.274 | 560.000 | -4.274 | 565.000 | -4.224 | 570.000 | -4.223 |
| 575.010 | -4.223 | 580.010 | -4.223 | 585.010 | -4.222 | 590.010 | -4.222 |
| 595.010 | -4.222 | 600.010 | -4.221 | 605.010 | -4.221 | 610.010 | -4.171 |
| 615.010 | -4.170 | 620.010 | -4.120 | 625.010 | -4.120 | 630.010 | -4.119 |
| 635.010 | -4.119 | 640.010 | -4.119 | 645.010 | -4.068 | 650.010 | -4.068 |
| 655.010 | -4.018 | 660.010 | -3.917 | 665.010 | -3.817 | 670.010 | -3.767 |
| 675.010 | -3.716 | 680.010 | -3.616 | 685.010 | -3.616 | 690.010 | -3.565 |
| 695.010 | -3.565 | 700.010 | -3.665 | 705.010 | -3.714 | 710.010 | -3.814 |
| 715.010 | -3.864 | 720.010 | -3.914 | 725.010 | -3.913 | 730.010 | -3.913 |
| 735.010 | -3.913 | 740.010 | -3.962 | 745.010 | -4.012 | 750.010 | -4.062 |
| 755.010 | -4.111 | 760.010 | -4.161 | 765.010 | -4.211 | 770.010 | -4.260 |
| 775.010 | -4.360 | 780.010 | -4.360 | 785.010 | -4.309 | 790.010 | -4.309 |
| 795.010 | -4.309 | 800.010 | -4.308 | 805.010 | -4.258 | 810.010 | -4.258 |
| 815.010 | -4.257 | 820.010 | -4.207 | 825.010 | -4.207 | 830.010 | -4.206 |
| 835.010 | -4.206 | 840.010 | -4.156 | 845.010 | -4.155 | 850.010 | -4.155 |
| 855.010 | -4.055 | 860.010 | -3.854 | 865.010 | -3.754 | 870.010 | -3.654 |
| 875.010 | -3.503 | 880.010 | -3.403 | 885.010 | -3.303 | 890.010 | -3.202 |
| 895.010 | -3.052 | 900.010 | -2.902 | 905.010 | -2.801 | 910.010 | -2.651 |
| 915.010 | -2.551 | 920.010 | -2.400 | 925.010 | -2.350 | 930.010 | -2.300 |
| 935.010 | -2.250 | 940.010 | -2.149 | 945.010 | -2.099 | 950.010 | -2.099 |
| 955.010 | -2.048 | 960.010 | -1.948 | 965.010 | -1.898 | 970.010 | -1.847 |
| 975.010 | -1.797 | 980.010 | -1.747 | 985.010 | -1.696 | 990.010 | -1.646 |
| 995.010 | -1.546 | 1000.010 | -1.445 | 1005.010 | -1.345 | 1010.010 | -1.245 |
| 1015.010 | -1.144 | 1020.010 | -1.044 | 1025.010 | -0.994 | 1030.010 | -0.943 |
| 1035.010 | -0.893 | 1040.010 | -0.843 | 1045.010 | -0.792 | 1050.010 | -0.742 |
| 1055.010 | -0.692 | 1060.010 | -0.591 | 1065.010 | -0.591 | 1071.420 | -0.591 |
| 1076.420 | -0.540 | 1081.420 | -0.510 | 1086.420 | -0.440 | 1091.420 | -0.419 |
| 1096.420 | -0.409 | 1101.420 | -0.359 | 1106.420 | -0.368 | 1111.420 | -0.348 |
| 1116.420 | -0.308 | 1121.420 | -0.287 | 1126.420 | -0.227 | 1136.420 | -0.076 |
| 1141.010 | 0.064 | 1142.720 | 0.114 | 1146.420 | 1.854 | 1146.420 | 1.845 |
| 1148.570 | 2.025 | 1149.650 | 2.025 | 1154.170 | 4.165 | 1154.600 | 4.585 |

S59横断データ (-0.6~56.2).dat

| | | | | | | | |
|----------|--------|----------|--------|----------|--------|----------|--------|
| 1154.600 | 5.925 | 1155.110 | 5.925 | 1155.110 | 5.145 | 1155.270 | 5.145 |
| 1155.270 | 5.162 | 1155.410 | 5.153 | 1155.560 | 4.873 | 1155.820 | 4.873 |
| 1158.170 | 4.803 | 1160.820 | 4.703 | 1161.090 | 4.703 | 1165.200 | 2.693 |
| 1168.320 | 2.613 | 1168.460 | 2.593 | 1174.570 | -0.403 | 1175.570 | -0.453 |
| 1176.970 | -0.513 | 1179.570 | -0.473 | 1184.270 | -1.963 | 1185.270 | -2.163 |
| 1190.270 | -2.463 | 1195.270 | -2.263 | 1196.270 | -2.203 | 1196.270 | -1.963 |
| 1196.270 | -1.293 | 1199.070 | -1.263 | 1200.070 | -1.073 | 1204.670 | -1.013 |
| 1211.270 | -1.023 | 1218.770 | -1.043 | 1225.270 | -0.913 | 1230.270 | -0.853 |
| 2.2km | 0.000 | | | | 344 | 49 297 | 47 304 |
| -77.000 | -1.579 | -60.300 | -1.539 | -59.600 | -1.249 | -56.700 | -1.269 |
| -56.000 | -1.269 | -55.300 | -1.459 | -54.200 | -2.339 | -54.000 | -2.659 |
| -50.650 | -2.659 | -50.500 | -2.339 | -49.800 | -0.929 | -49.600 | -0.929 |
| -47.400 | -0.659 | -47.200 | 0.381 | -45.300 | 0.421 | -37.500 | 0.331 |
| -36.000 | 0.421 | -36.000 | 0.601 | -30.600 | 0.731 | -30.500 | 0.491 |
| -25.850 | 0.401 | -25.700 | -0.009 | -24.800 | -0.189 | -24.800 | -0.599 |
| -24.500 | -0.599 | -24.500 | -0.299 | -24.460 | -0.299 | -24.460 | -0.199 |
| -24.200 | -0.189 | -24.150 | -0.187 | -18.000 | -0.090 | -14.750 | -0.010 |
| -14.750 | 0.140 | -14.070 | 0.140 | -5.750 | 4.374 | -2.850 | 4.420 |
| -0.270 | 4.460 | -0.160 | 4.710 | 0.000 | 4.724 | 0.000 | 4.711 |
| 0.000 | 4.724 | 0.000 | 4.711 | 0.170 | 4.711 | 0.170 | 5.771 |
| 0.670 | 5.771 | 0.670 | 3.931 | 1.100 | 3.501 | 5.550 | 1.181 |
| 6.570 | 1.181 | 8.670 | 1.051 | 11.200 | -0.158 | 12.470 | -0.808 |
| 13.670 | -0.878 | 18.670 | -0.958 | 23.670 | -1.048 | 28.670 | -1.208 |
| 33.670 | -1.368 | 35.000 | -1.208 | 40.000 | -1.308 | 45.000 | -1.608 |
| 50.000 | -1.758 | 55.000 | -1.758 | 60.000 | -1.858 | 65.000 | -1.857 |
| 70.000 | -1.907 | 75.000 | -1.957 | 80.000 | -2.057 | 85.000 | -2.107 |
| 90.000 | -2.157 | 95.000 | -2.207 | 100.000 | -2.307 | 105.000 | -2.407 |
| 110.000 | -2.507 | 115.000 | -2.607 | 120.000 | -2.657 | 125.000 | -2.806 |
| 130.000 | -2.856 | 135.000 | -2.906 | 140.000 | -3.006 | 145.000 | -3.156 |
| 150.000 | -3.156 | 155.000 | -3.156 | 160.000 | -3.206 | 165.000 | -3.306 |
| 170.000 | -3.356 | 175.000 | -3.506 | 180.000 | -3.956 | 185.000 | -3.955 |
| 190.000 | -3.955 | 195.000 | -3.755 | 196.000 | -3.705 | 200.000 | -3.755 |
| 205.000 | -3.805 | 210.000 | -3.855 | 215.000 | -3.905 | 218.000 | -3.955 |
| 220.000 | -4.055 | 225.000 | -3.855 | 230.000 | -3.705 | 235.000 | -3.655 |
| 240.000 | -3.604 | 245.000 | -3.704 | 250.000 | -3.854 | 255.000 | -3.904 |
| 260.000 | -3.904 | 265.000 | -3.954 | 270.000 | -4.004 | 275.000 | -4.054 |
| 280.000 | -4.104 | 285.000 | -4.104 | 290.000 | -4.154 | 295.000 | -4.154 |
| 300.000 | -4.203 | 305.000 | -4.203 | 310.000 | -4.403 | 312.000 | -4.503 |
| 315.000 | -4.453 | 320.000 | -4.353 | 325.000 | -4.253 | 327.000 | -4.153 |
| 330.000 | -4.253 | 335.000 | -4.503 | 338.000 | -4.603 | 340.000 | -4.553 |
| 345.000 | -4.453 | 350.000 | -4.353 | 355.000 | -4.053 | 357.000 | -3.952 |
| 360.000 | -3.952 | 365.000 | -4.902 | 370.000 | -6.002 | 375.000 | -6.552 |
| 378.000 | -6.652 | 380.000 | -6.552 | 385.000 | -6.102 | 390.000 | -5.302 |
| 395.000 | -4.602 | 399.000 | -4.452 | 400.000 | -4.502 | 405.000 | -4.852 |
| 410.000 | -5.402 | 415.000 | -5.601 | 420.000 | -5.501 | 425.000 | -5.851 |
| 427.000 | -5.851 | 430.000 | -5.451 | 435.000 | -4.451 | 440.000 | -2.301 |
| 443.000 | -2.351 | 445.000 | -2.951 | 448.000 | -3.951 | 450.000 | -4.051 |
| 455.000 | -4.301 | 460.000 | -4.451 | 465.000 | -4.701 | 470.000 | -4.851 |
| 473.000 | -5.000 | 480.000 | -4.950 | 485.000 | -4.950 | 490.000 | -4.900 |
| 494.990 | -4.900 | 499.990 | -4.850 | 504.990 | -4.850 | 509.990 | -4.850 |
| 514.990 | -4.800 | 519.990 | -4.750 | 524.990 | -4.750 | 529.990 | -4.700 |
| 534.990 | -4.649 | 539.990 | -4.599 | 544.990 | -4.599 | 549.990 | -4.549 |
| 554.990 | -4.499 | 559.990 | -4.399 | 564.990 | -4.349 | 569.990 | -4.249 |
| 574.990 | -4.199 | 579.990 | -4.099 | 584.990 | -4.049 | 589.990 | -3.948 |
| 594.990 | -3.898 | 599.990 | -3.798 | 604.990 | -3.748 | 609.990 | -3.748 |
| 614.990 | -3.748 | 619.990 | -3.598 | 624.990 | -3.598 | 629.990 | -3.648 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 634.990 | -3.698 | 639.990 | -3.648 | 644.990 | -3.598 | 649.990 | -3.597 |
| 654.990 | -3.647 | 659.990 | -3.647 | 664.990 | -3.747 | 669.990 | -3.647 |
| 674.990 | -3.797 | 679.990 | -3.947 | 684.990 | -3.997 | 689.990 | -4.047 |
| 694.990 | -4.097 | 696.990 | -4.147 | 700.990 | -4.247 | 704.990 | -4.247 |
| 709.990 | -4.296 | 714.990 | -4.346 | 719.990 | -4.396 | 724.990 | -4.596 |
| 729.990 | -4.796 | 734.990 | -4.996 | 739.990 | -5.246 | 744.990 | -5.446 |
| 749.990 | -5.496 | 754.990 | -5.546 | 759.990 | -5.546 | 764.990 | -5.546 |
| 769.990 | -5.545 | 774.990 | -5.445 | 779.990 | -5.295 | 784.990 | -4.945 |
| 789.990 | -4.545 | 794.990 | -4.195 | 799.990 | -3.645 | 804.990 | -2.795 |
| 809.990 | -1.945 | 814.990 | -1.545 | 819.990 | -1.395 | 824.990 | -1.594 |
| 829.990 | -1.644 | 834.990 | -1.594 | 839.990 | -1.494 | 844.990 | -1.394 |
| 849.990 | -1.394 | 854.990 | -1.394 | 859.990 | -1.444 | 864.990 | -1.844 |
| 866.990 | -2.044 | 869.990 | -1.994 | 874.990 | -1.794 | 879.990 | -1.094 |
| 880.990 | -0.994 | 884.990 | -1.093 | 888.110 | -1.053 | 893.110 | -0.953 |
| 898.110 | -0.823 | 903.110 | -0.723 | 908.110 | -0.693 | 913.110 | -0.873 |
| 918.110 | -0.873 | 923.110 | -0.913 | 928.110 | -0.813 | 933.110 | -0.773 |
| 938.110 | -0.583 | 943.110 | -0.492 | 948.110 | -0.352 | 953.110 | -0.332 |
| 958.110 | -0.442 | 963.110 | -0.442 | 968.110 | -0.332 | 973.110 | -0.352 |
| 978.110 | -0.152 | 978.790 | -0.142 | 982.360 | 0.019 | 982.510 | 0.599 |
| 982.760 | 0.599 | 982.760 | 1.129 | 983.110 | 1.128 | 983.110 | 1.131 |
| 983.170 | 1.131 | 983.410 | 0.621 | 984.090 | 0.621 | 984.430 | -0.119 |
| 988.110 | -0.269 | 995.410 | -0.544 | 998.110 | -0.843 | 1003.110 | -0.851 |
| 1008.110 | -1.008 | 1013.110 | -1.066 | 1018.110 | -1.124 | 1023.110 | -1.121 |
| 1028.110 | -1.159 | 1033.110 | -1.207 | 1038.110 | -1.265 | 1043.110 | -1.222 |
| 1048.110 | -1.260 | 1053.110 | -1.228 | 1058.110 | -1.216 | 1063.110 | -1.213 |
| 1068.110 | -1.251 | 1073.110 | -1.189 | 1078.110 | -1.117 | 1083.110 | -1.024 |
| 1088.110 | -0.782 | 1092.660 | -0.500 | 1100.310 | -0.279 | 1104.410 | 1.688 |
| 1106.590 | 1.918 | 1107.740 | 1.918 | 1111.140 | 3.548 | 1111.570 | 3.988 |
| 1111.570 | 5.898 | 1112.080 | 5.888 | 1112.080 | 4.528 | 1112.240 | 4.518 |
| 1112.240 | 4.526 | 1112.380 | 4.517 | 1112.540 | 4.227 | 1112.740 | 4.217 |
| 1115.240 | 4.167 | 1117.790 | 4.147 | 1118.080 | 4.117 | 1120.400 | 2.957 |
| 1121.040 | 2.937 | 1121.040 | 2.637 | 1122.740 | 2.587 | 1124.250 | 2.557 |
| 1124.390 | 2.557 | 1125.540 | 1.977 | 1130.240 | 1.927 | 1132.240 | 1.897 |
| 1133.740 | 1.777 | 1135.940 | 1.867 | 1136.340 | 1.837 | 1136.490 | 1.837 |
| 1136.490 | 1.497 | 1136.790 | 1.497 | 1136.790 | 1.827 | 1139.440 | 1.957 |
| 1140.340 | 2.257 | 1144.840 | 2.287 | 1146.540 | 1.887 | 1151.940 | 1.617 |
| 1154.040 | 0.807 | 1155.340 | 0.636 | 1155.940 | -0.660 | 1156.840 | -0.930 |
| 1157.340 | -1.470 | 1158.240 | -1.510 | 1158.240 | -1.040 | 1159.740 | -0.930 |
| 1162.040 | -0.960 | 1162.140 | -1.160 | 1172.240 | -1.010 | 1187.240 | -0.890 |
| 2.4km | 0.000 | | | | 317 | 55 280 | 52 282 |
| -78.000 | 0.252 | -75.000 | 0.252 | -70.000 | 0.262 | -65.500 | 0.222 |
| -63.000 | 0.322 | -56.000 | 0.411 | -51.000 | 0.801 | -45.000 | 0.831 |
| -44.450 | 0.750 | -44.400 | 0.330 | -43.600 | 0.230 | -40.500 | 0.150 |
| -37.600 | 0.050 | -37.600 | -0.260 | -37.250 | -0.260 | -37.250 | 0.040 |
| -37.200 | 0.040 | -37.200 | 0.460 | -36.300 | 0.420 | -26.500 | 0.410 |
| -25.100 | 0.410 | -24.970 | 0.360 | -24.970 | -0.140 | -24.720 | -0.140 |
| -24.720 | -0.430 | -24.420 | -0.430 | -24.420 | -0.120 | -24.300 | -0.120 |
| -24.100 | -0.090 | -23.920 | -0.090 | -23.920 | -0.390 | -23.570 | -0.390 |
| -23.570 | -0.100 | -23.400 | -0.098 | -14.750 | 0.072 | -14.750 | 0.232 |
| -14.080 | 0.222 | -6.150 | 4.202 | -6.150 | 4.392 | -5.720 | 4.445 |
| -2.800 | 4.482 | -0.240 | 4.522 | -0.120 | 4.772 | 0.000 | 4.786 |
| 0.000 | 4.778 | 0.000 | 4.786 | 0.000 | 4.778 | 0.200 | 4.778 |
| 0.200 | 5.908 | 0.700 | 5.908 | 0.700 | 4.068 | 1.150 | 3.588 |
| 5.670 | 1.318 | 6.600 | 1.298 | 8.680 | 1.188 | 11.580 | -0.248 |
| 12.100 | -0.307 | 13.680 | -0.447 | 18.680 | -0.847 | 23.680 | -1.007 |
| 28.680 | -0.986 | 33.680 | -0.956 | 38.680 | -0.946 | 43.690 | -0.955 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 45.010 | -0.955 | 50.010 | -1.155 | 55.010 | -1.255 | 60.010 | -1.355 |
| 65.010 | -1.554 | 70.010 | -1.804 | 75.010 | -2.054 | 78.010 | -2.204 |
| 81.010 | -2.203 | 85.010 | -2.303 | 90.010 | -2.303 | 91.010 | -2.203 |
| 95.010 | -2.303 | 100.010 | -2.352 | 105.010 | -2.302 | 110.010 | -2.152 |
| 115.010 | -2.202 | 120.010 | -2.201 | 125.010 | -2.251 | 130.020 | -2.301 |
| 135.020 | -2.201 | 140.020 | -2.150 | 145.020 | -2.200 | 150.020 | -2.300 |
| 155.020 | -2.399 | 160.020 | -2.599 | 165.020 | -2.599 | 170.020 | -2.799 |
| 175.020 | -2.898 | 180.020 | -2.898 | 185.020 | -2.798 | 190.020 | -2.848 |
| 195.020 | -3.047 | 200.020 | -3.247 | 205.020 | -3.397 | 210.020 | -3.396 |
| 215.030 | -3.446 | 220.030 | -3.496 | 225.030 | -3.446 | 230.030 | -3.395 |
| 235.030 | -3.395 | 240.030 | -3.445 | 245.030 | -3.545 | 250.030 | -3.694 |
| 255.030 | -3.994 | 260.030 | -4.494 | 265.030 | -4.793 | 270.030 | -4.893 |
| 275.030 | -4.893 | 280.030 | -4.943 | 285.030 | -4.992 | 290.030 | -4.892 |
| 295.030 | -4.892 | 300.040 | -4.842 | 305.040 | -4.791 | 310.040 | -4.741 |
| 315.040 | -4.691 | 320.040 | -4.691 | 325.040 | -4.790 | 330.040 | -4.890 |
| 335.040 | -5.090 | 340.040 | -5.189 | 345.040 | -5.289 | 350.040 | -5.339 |
| 355.040 | -5.389 | 360.040 | -5.488 | 365.040 | -5.588 | 368.040 | -5.388 |
| 370.040 | -5.488 | 375.040 | -5.638 | 380.040 | -5.487 | 381.040 | -5.337 |
| 385.050 | -5.487 | 390.050 | -5.687 | 395.050 | -5.586 | 397.050 | -5.486 |
| 400.050 | -5.486 | 405.050 | -5.686 | 410.050 | -5.686 | 415.050 | -5.685 |
| 420.050 | -5.735 | 425.050 | -5.735 | 430.050 | -5.585 | 435.050 | -5.484 |
| 440.050 | -5.484 | 445.050 | -5.384 | 450.050 | -5.283 | 455.050 | -5.233 |
| 460.050 | -5.183 | 465.050 | -5.083 | 470.060 | -5.032 | 475.060 | -4.932 |
| 480.060 | -4.832 | 485.060 | -4.832 | 490.060 | -4.781 | 495.060 | -4.531 |
| 500.060 | -4.481 | 505.060 | -4.480 | 510.060 | -4.280 | 515.060 | -4.280 |
| 521.060 | -4.130 | 525.060 | -3.929 | 530.060 | -3.979 | 535.060 | -3.779 |
| 540.060 | -3.679 | 545.060 | -3.828 | 550.060 | -3.878 | 555.070 | -3.778 |
| 560.070 | -3.777 | 565.070 | -3.727 | 570.070 | -3.827 | 575.070 | -3.827 |
| 580.070 | -3.726 | 585.070 | -3.876 | 590.070 | -3.776 | 595.070 | -3.526 |
| 600.070 | -3.625 | 605.070 | -3.575 | 610.070 | -3.575 | 615.070 | -3.424 |
| 620.070 | -3.424 | 625.070 | -3.624 | 630.070 | -3.474 | 635.070 | -3.473 |
| 640.080 | -3.473 | 645.080 | -3.473 | 650.080 | -3.473 | 655.080 | -3.522 |
| 660.080 | -3.522 | 665.080 | -3.572 | 670.080 | -3.572 | 675.080 | -3.621 |
| 680.080 | -3.621 | 685.080 | -3.621 | 690.080 | -3.670 | 695.080 | -3.670 |
| 700.080 | -3.720 | 705.080 | -3.720 | 710.080 | -3.769 | 715.080 | -3.769 |
| 720.080 | -3.769 | 725.090 | -3.769 | 730.090 | -3.768 | 735.090 | -3.768 |
| 740.090 | -3.818 | 745.090 | -3.917 | 750.090 | -4.017 | 755.090 | -4.017 |
| 760.090 | -3.917 | 765.090 | -3.766 | 770.090 | -3.666 | 775.090 | -3.566 |
| 780.090 | -3.516 | 785.090 | -3.415 | 790.090 | -3.315 | 795.090 | -3.265 |
| 800.090 | -3.064 | 805.090 | -2.764 | 810.100 | -2.314 | 815.100 | -1.964 |
| 820.100 | -1.563 | 823.360 | -1.393 | 828.360 | -1.213 | 833.360 | -1.013 |
| 838.360 | -0.742 | 843.360 | -0.482 | 846.000 | -0.262 | 848.360 | -0.076 |
| 848.360 | -0.294 | 853.360 | -0.274 | 858.360 | -0.424 | 863.360 | -0.464 |
| 868.360 | -0.474 | 873.360 | -0.504 | 878.360 | -0.494 | 883.360 | -0.534 |
| 888.360 | -0.484 | 893.360 | -0.604 | 898.360 | -0.664 | 903.360 | -0.664 |
| 908.360 | -0.684 | 913.360 | -0.664 | 918.360 | -0.664 | 923.360 | -0.744 |
| 928.360 | -0.884 | 933.360 | -0.764 | 938.360 | -0.504 | 943.360 | -0.384 |
| 948.360 | -0.504 | 953.360 | -0.454 | 958.360 | -0.424 | 963.360 | -0.434 |
| 968.360 | -0.414 | 973.360 | -0.434 | 978.360 | -0.444 | 983.360 | -0.494 |
| 988.360 | -0.494 | 993.360 | -0.624 | 998.360 | -0.644 | 1003.360 | -0.694 |
| 1008.360 | -0.744 | 1013.360 | -0.664 | 1018.360 | -0.664 | 1023.360 | -0.504 |
| 1028.360 | -0.454 | 1033.360 | -0.474 | 1038.360 | -0.444 | 1043.360 | -0.394 |
| 1047.210 | -0.137 | 1048.360 | -0.064 | 1051.360 | -0.058 | 1053.360 | -0.318 |
| 1059.860 | -0.278 | 1062.660 | 0.242 | 1065.230 | 1.476 | 1065.560 | 1.716 |
| 1068.710 | 1.876 | 1072.180 | 3.556 | 1072.690 | 4.096 | 1072.690 | 5.866 |
| 1073.190 | 5.866 | 1073.190 | 4.526 | 1073.360 | 4.516 | 1073.360 | 4.525 |

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 1073.500 | 4.519 | 1073.640 | 4.229 | 1076.260 | 4.199 | 1078.860 | 4.159 |
| 1079.150 | 4.179 | 1081.460 | 3.039 | 1082.120 | 3.019 | 1082.120 | 2.709 |
| 1083.860 | 2.709 | 1086.310 | 2.679 | 1086.430 | 2.679 | 1086.560 | 2.679 |
| 1091.660 | 0.212 | 1096.360 | 0.140 | 1096.360 | -0.060 | 1098.260 | -0.980 |
| 1098.560 | -0.980 | 1099.360 | -0.070 | 1101.260 | 0.150 | 1103.460 | -1.260 |
| 1104.560 | -1.260 | 1104.560 | -0.660 | 1108.260 | -0.680 | 1108.260 | -1.180 |
| 1123.360 | -0.920 | 1127.360 | -1.090 | 1133.360 | -1.030 | 1145.160 | -0.960 |
| 1148.360 | -1.040 | | | | | | |
| 2.6km | 0.000 | | | | 311 | 47 267 | 44 269 |
| -77.000 | -0.198 | -73.000 | -0.078 | -70.000 | 0.072 | -61.000 | 0.132 |
| -57.000 | 0.002 | -54.500 | -0.108 | -54.300 | 0.162 | -54.000 | 0.162 |
| -53.500 | -0.058 | -50.100 | 0.022 | -50.100 | 0.612 | -43.500 | 0.515 |
| -41.700 | 0.515 | -26.000 | 0.355 | -24.900 | 0.295 | -24.700 | 0.285 |
| -24.200 | 0.295 | -24.000 | 0.295 | -21.700 | 0.345 | -18.600 | 0.435 |
| -18.600 | 0.625 | -17.800 | 0.685 | -16.200 | 1.477 | -13.400 | 1.485 |
| -10.800 | 1.495 | -10.800 | 1.615 | -10.450 | 1.625 | -6.300 | 3.715 |
| -6.300 | 3.915 | -6.000 | 3.925 | -5.810 | 3.976 | -3.000 | 4.015 |
| -0.550 | 4.045 | -0.250 | 4.055 | -0.150 | 4.345 | 0.000 | 4.350 |
| 0.000 | 4.335 | 0.000 | 4.350 | 0.000 | 4.335 | 0.150 | 4.335 |
| 0.150 | 5.455 | 0.650 | 5.455 | 0.650 | 3.525 | 1.100 | 3.115 |
| 4.600 | 1.475 | 5.400 | 1.475 | 7.770 | 1.405 | 10.000 | 0.317 |
| 11.080 | -0.263 | 12.780 | -0.413 | 17.780 | -0.833 | 22.780 | -1.033 |
| 27.780 | -1.203 | 30.000 | -1.213 | 35.000 | -1.203 | 40.000 | -1.183 |
| 45.000 | -1.083 | 50.000 | -1.133 | 55.000 | -1.033 | 60.000 | -1.083 |
| 65.000 | -1.083 | 70.000 | -1.183 | 75.000 | -1.283 | 80.000 | -1.383 |
| 85.000 | -1.514 | 90.000 | -1.684 | 95.000 | -2.184 | 100.000 | -2.584 |
| 105.000 | -2.634 | 110.000 | -3.004 | 115.000 | -2.984 | 120.000 | -3.034 |
| 125.000 | -3.164 | 130.000 | -3.184 | 135.000 | -3.194 | 140.000 | -3.194 |
| 145.000 | -3.184 | 150.000 | -3.164 | 155.000 | -3.125 | 160.000 | -3.005 |
| 165.000 | -2.985 | 170.000 | -2.935 | 175.000 | -2.805 | 180.000 | -2.805 |
| 185.000 | -2.785 | 190.000 | -2.785 | 195.000 | -2.705 | 200.000 | -2.885 |
| 205.000 | -2.885 | 210.000 | -2.905 | 215.000 | -2.995 | 220.000 | -3.165 |
| 225.000 | -3.235 | 230.000 | -3.486 | 235.000 | -3.886 | 240.000 | -4.186 |
| 245.000 | -4.316 | 250.000 | -4.386 | 255.000 | -4.566 | 260.000 | -4.686 |
| 265.000 | -4.766 | 270.000 | -4.906 | 275.000 | -4.886 | 280.000 | -4.936 |
| 285.000 | -4.986 | 290.000 | -5.086 | 295.000 | -5.286 | 300.000 | -5.466 |
| 305.000 | -5.547 | 310.000 | -5.587 | 315.000 | -5.587 | 320.000 | -5.687 |
| 320.500 | -5.437 | 325.000 | -5.637 | 330.000 | -5.767 | 335.000 | -5.787 |
| 340.000 | -5.707 | 345.000 | -5.687 | 350.000 | -5.537 | 355.000 | -5.467 |
| 360.000 | -5.437 | 365.000 | -5.217 | 370.000 | -5.187 | 375.000 | -5.267 |
| 380.000 | -5.088 | 385.000 | -4.988 | 390.000 | -4.888 | 395.000 | -4.888 |
| 400.000 | -4.918 | 405.000 | -4.938 | 410.000 | -4.888 | 415.000 | -4.838 |
| 420.000 | -4.738 | 425.000 | -4.688 | 430.000 | -4.688 | 435.000 | -4.668 |
| 440.000 | -4.708 | 445.000 | -4.788 | 450.000 | -4.608 | 455.000 | -4.489 |
| 460.000 | -4.189 | 465.000 | -4.189 | 470.000 | -4.239 | 475.000 | -4.239 |
| 480.000 | -4.189 | 485.000 | -3.939 | 490.000 | -4.019 | 495.000 | -3.889 |
| 500.000 | -3.939 | 505.000 | -4.039 | 510.000 | -3.909 | 515.000 | -3.889 |
| 519.990 | -3.889 | 524.990 | -3.909 | 529.990 | -4.010 | 534.990 | -4.010 |
| 539.990 | -3.890 | 544.990 | -3.840 | 549.990 | -3.790 | 554.990 | -3.490 |
| 559.990 | -3.560 | 564.990 | -3.320 | 569.990 | -3.310 | 574.990 | -3.290 |
| 579.990 | -2.890 | 584.990 | -2.540 | 588.990 | -2.040 | 589.990 | -2.190 |
| 594.990 | -2.990 | 599.990 | -3.190 | 604.990 | -3.191 | 609.990 | -3.191 |
| 614.990 | -3.261 | 619.990 | -3.391 | 624.990 | -3.411 | 629.990 | -3.441 |
| 634.990 | -3.421 | 639.990 | -3.391 | 644.990 | -3.371 | 649.990 | -3.211 |
| 654.990 | -3.191 | 659.990 | -2.941 | 662.990 | -2.811 | 664.990 | -2.921 |
| 669.990 | -3.491 | 671.990 | -3.571 | 674.990 | -3.391 | 679.990 | -3.092 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 684.990 | -2.992 | 689.990 | -2.872 | 694.990 | -2.772 | 699.990 | -2.692 |
| 704.990 | -2.642 | 709.990 | -2.592 | 714.990 | -2.572 | 719.990 | -2.492 |
| 724.990 | -2.492 | 729.990 | -2.472 | 734.990 | -2.342 | 739.990 | -1.892 |
| 743.990 | -1.892 | 744.990 | -2.192 | 749.990 | -2.193 | 754.990 | -1.993 |
| 759.990 | -1.813 | 764.990 | -1.693 | 769.990 | -1.543 | 774.990 | -1.443 |
| 779.990 | -1.393 | 784.990 | -1.243 | 789.990 | -1.193 | 794.990 | -1.193 |
| 799.990 | -1.193 | 804.990 | -1.243 | 809.990 | -1.393 | 814.990 | -1.493 |
| 819.990 | -1.643 | 824.990 | -1.894 | 829.990 | -2.194 | 834.990 | -2.494 |
| 839.990 | -2.844 | 844.990 | -3.044 | 849.990 | -3.144 | 854.990 | -3.194 |
| 859.990 | -3.214 | 864.990 | -3.194 | 869.990 | -3.094 | 874.990 | -2.754 |
| 879.990 | -1.694 | 884.990 | -1.294 | 889.990 | -1.094 | 890.530 | -1.234 |
| 895.530 | -1.104 | 900.530 | -0.885 | 905.530 | -0.365 | 910.530 | -0.165 |
| 915.530 | -0.395 | 920.530 | -0.355 | 925.530 | -0.425 | 930.530 | -0.385 |
| 935.530 | -0.475 | 940.530 | -0.435 | 945.530 | -0.495 | 950.530 | -0.485 |
| 955.530 | -0.435 | 960.530 | -0.395 | 965.530 | -0.355 | 970.530 | -0.415 |
| 975.530 | -0.286 | 980.530 | -0.136 | 985.530 | -0.386 | 990.530 | -0.636 |
| 995.530 | -0.636 | 1000.530 | -0.666 | 1005.530 | -0.686 | 1010.530 | -0.406 |
| 1013.030 | -0.336 | 1017.830 | -0.036 | 1019.280 | 0.074 | 1025.030 | 0.134 |
| 1025.790 | 0.304 | 1027.980 | 0.514 | 1030.530 | 1.774 | 1030.530 | 1.768 |
| 1030.860 | 1.958 | 1033.290 | 2.128 | 1034.110 | 2.158 | 1037.790 | 3.908 |
| 1038.200 | 4.318 | 1038.200 | 5.458 | 1038.690 | 5.458 | 1038.690 | 5.268 |
| 1038.890 | 5.248 | 1038.890 | 5.253 | 1039.060 | 5.262 | 1039.210 | 4.602 |
| 1040.510 | 4.732 | 1040.510 | 4.982 | 1040.720 | 5.002 | 1040.720 | 4.932 |
| 1042.690 | 4.882 | 1042.690 | 4.972 | 1042.890 | 4.972 | 1042.890 | 4.762 |
| 1044.190 | 4.872 | 1044.510 | 4.892 | 1044.510 | 3.932 | 1044.750 | 3.932 |
| 1046.990 | 2.832 | 1049.190 | 3.222 | 1050.940 | 0.862 | 1051.890 | 0.412 |
| 1052.220 | 0.392 | 1052.220 | 0.302 | 1054.890 | 0.292 | 1058.190 | 0.292 |
| 1060.340 | 5.505 | 1060.590 | 5.425 | 1061.390 | 5.255 | 1062.390 | 5.275 |
| 1063.340 | 5.285 | 1068.590 | 5.305 | 1068.590 | 5.525 | 1068.890 | 5.525 |
| 1083.690 | 5.735 | 1084.190 | 5.715 | 1093.590 | 5.435 | 1100.690 | 5.105 |
| 1105.290 | 5.125 | 1108.890 | 5.045 | 1113.890 | 4.875 | | |
| 2.8km | 0.000 | | | | 333 | 62 278 | 59 288 |
| -80.000 | 0.402 | -72.100 | 0.402 | -71.200 | 0.392 | -71.200 | 0.292 |
| -70.500 | 0.292 | -57.600 | 0.292 | -56.400 | 0.292 | -56.200 | 0.242 |
| -56.100 | -0.318 | -55.900 | -0.318 | -55.900 | -0.408 | -55.550 | -0.379 |
| -53.000 | -0.335 | -50.550 | -0.355 | -50.400 | -0.355 | -50.400 | -0.695 |
| -50.150 | -0.695 | -50.150 | -0.465 | -50.000 | -0.415 | -49.000 | -0.115 |
| -44.000 | -0.055 | -38.600 | 0.025 | -38.600 | 0.135 | -38.200 | 0.135 |
| -35.450 | 0.215 | -35.450 | 0.035 | -28.950 | -0.035 | -21.200 | -0.055 |
| -20.850 | 0.845 | -19.150 | 0.845 | -19.050 | 0.155 | -19.000 | -0.265 |
| -18.800 | -0.265 | -18.700 | -0.269 | -18.600 | -0.275 | -18.600 | -0.575 |
| -18.150 | -0.575 | -18.150 | -0.250 | -17.870 | -0.260 | -17.850 | -0.210 |
| -14.050 | -0.120 | -14.050 | 0.070 | -13.300 | 0.120 | -6.220 | 3.800 |
| -6.190 | 3.990 | -5.850 | 3.980 | -5.800 | 4.005 | -3.000 | 4.050 |
| -0.230 | 4.100 | -0.110 | 4.360 | 0.000 | 4.365 | 0.000 | 4.345 |
| 0.000 | 4.365 | 0.000 | 4.345 | 0.210 | 4.345 | 0.210 | 5.455 |
| 0.710 | 5.455 | 0.710 | 3.595 | 1.150 | 3.165 | 4.750 | 1.515 |
| 5.530 | 1.505 | 7.910 | 1.425 | 10.200 | 0.275 | 11.320 | -0.305 |
| 12.920 | -0.476 | 17.920 | -0.716 | 22.920 | -0.856 | 27.920 | -0.916 |
| 32.920 | -0.927 | 35.000 | -0.877 | 40.000 | -0.837 | 45.000 | -0.808 |
| 50.000 | -0.828 | 55.000 | -0.928 | 60.000 | -1.048 | 65.000 | -1.049 |
| 70.000 | -1.049 | 75.000 | -1.079 | 80.000 | -1.180 | 85.000 | -1.340 |
| 90.000 | -1.430 | 95.000 | -1.631 | 100.000 | -1.831 | 105.000 | -2.881 |
| 110.000 | -3.062 | 115.000 | -3.282 | 120.000 | -3.532 | 125.000 | -3.633 |
| 130.000 | -3.733 | 135.000 | -3.813 | 140.000 | -3.733 | 145.000 | -3.664 |
| 150.000 | -3.634 | 155.000 | -3.634 | 160.000 | -3.535 | 165.000 | -3.355 |

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 170.000 | -3.255 | 175.000 | -3.336 | 180.000 | -3.186 | 185.000 | -3.036 |
| 190.000 | -2.937 | 195.000 | -2.687 | 200.000 | -2.687 | 205.000 | -2.438 |
| 210.000 | -2.538 | 215.000 | -2.608 | 220.000 | -2.659 | 225.000 | -2.839 |
| 230.000 | -3.159 | 235.000 | -3.389 | 240.000 | -4.040 | 245.000 | -4.590 |
| 250.000 | -4.840 | 255.000 | -5.041 | 260.000 | -5.141 | 265.000 | -5.241 |
| 270.000 | -5.342 | 275.000 | -5.442 | 280.000 | -5.542 | 285.000 | -5.543 |
| 290.000 | -5.563 | 295.000 | -5.643 | 300.000 | -5.694 | 305.000 | -5.694 |
| 310.000 | -5.644 | 315.000 | -5.644 | 320.000 | -5.645 | 325.000 | -5.625 |
| 330.000 | -5.545 | 335.000 | -5.546 | 340.000 | -5.366 | 345.000 | -5.446 |
| 350.000 | -5.447 | 355.000 | -5.247 | 360.000 | -5.097 | 365.000 | -5.048 |
| 370.000 | -5.048 | 375.000 | -5.048 | 380.000 | -4.999 | 385.000 | -4.949 |
| 390.000 | -4.849 | 395.000 | -4.749 | 400.000 | -4.750 | 405.000 | -4.650 |
| 410.000 | -4.550 | 415.000 | -4.451 | 420.010 | -4.351 | 425.010 | -4.301 |
| 430.010 | -4.352 | 435.010 | -4.202 | 440.010 | -4.102 | 445.010 | -4.173 |
| 450.010 | -4.173 | 455.010 | -4.023 | 460.010 | -4.034 | 465.010 | -3.974 |
| 470.010 | -4.114 | 475.010 | -4.004 | 480.010 | -3.855 | 485.010 | -3.955 |
| 490.010 | -3.935 | 495.010 | -3.926 | 500.010 | -3.956 | 505.010 | -4.156 |
| 510.010 | -4.257 | 515.010 | -4.257 | 520.010 | -4.457 | 525.010 | -4.258 |
| 530.010 | -4.128 | 535.010 | -4.158 | 540.010 | -3.959 | 545.010 | -3.759 |
| 550.010 | -3.879 | 555.010 | -3.759 | 560.010 | -3.710 | 565.010 | -3.680 |
| 570.010 | -3.710 | 575.010 | -3.661 | 580.010 | -3.711 | 585.010 | -3.661 |
| 590.010 | -3.612 | 595.010 | -3.762 | 600.010 | -3.462 | 605.010 | -3.563 |
| 610.010 | -3.363 | 615.010 | -3.483 | 620.010 | -3.464 | 625.010 | -3.344 |
| 630.010 | -3.264 | 635.010 | -3.184 | 640.010 | -2.865 | 645.010 | -3.115 |
| 650.010 | -2.965 | 655.010 | -2.666 | 660.010 | -2.766 | 665.010 | -2.396 |
| 670.010 | -2.667 | 675.010 | -2.367 | 680.010 | -2.367 | 685.010 | -2.368 |
| 690.010 | -2.368 | 695.010 | -2.368 | 700.010 | -2.169 | 705.010 | -2.169 |
| 710.010 | -2.119 | 715.010 | -2.069 | 720.010 | -2.030 | 725.010 | -2.020 |
| 730.010 | -1.970 | 735.010 | -1.951 | 740.010 | -1.771 | 745.010 | -1.791 |
| 750.010 | -1.772 | 755.010 | -1.722 | 760.010 | -1.772 | 765.010 | -1.773 |
| 770.010 | -1.743 | 775.010 | -1.693 | 780.010 | -1.694 | 785.010 | -1.674 |
| 790.010 | -1.634 | 795.010 | -1.424 | 800.010 | -1.425 | 805.010 | -1.185 |
| 810.010 | -1.025 | 812.910 | -1.096 | 817.910 | -0.906 | 822.910 | -0.746 |
| 827.910 | -0.607 | 832.910 | -0.507 | 836.010 | -0.307 | 836.610 | 0.223 |
| 837.630 | 0.883 | 837.630 | 2.323 | 837.910 | 2.333 | 837.910 | 2.333 |
| 838.310 | 1.357 | 839.750 | 1.427 | 839.750 | 0.837 | 841.260 | -0.240 |
| 842.510 | -1.140 | 845.010 | -1.219 | 850.010 | -1.278 | 855.010 | -1.397 |
| 860.010 | -1.456 | 865.010 | -1.515 | 870.010 | -1.674 | 875.010 | -1.862 |
| 880.010 | -2.051 | 885.010 | -2.230 | 890.010 | -2.509 | 895.010 | -2.728 |
| 900.010 | -3.107 | 905.010 | -3.306 | 910.010 | -3.505 | 915.010 | -3.693 |
| 920.010 | -3.522 | 925.010 | -3.101 | 930.010 | -2.580 | 935.010 | -1.419 |
| 940.010 | -1.318 | 945.010 | -1.057 | 950.010 | -0.956 | 955.010 | -0.925 |
| 960.010 | -0.833 | 965.010 | -0.782 | 970.010 | -0.931 | 975.010 | -0.980 |
| 980.010 | -0.829 | 985.010 | -0.708 | 990.010 | -0.607 | 995.010 | -0.536 |
| 1000.010 | -0.404 | 1005.010 | -0.303 | 1006.610 | -0.203 | 1010.010 | 1.431 |
| 1010.310 | 1.631 | 1012.770 | 1.631 | 1013.570 | 1.631 | 1017.170 | 3.411 |
| 1017.530 | 3.761 | 1017.530 | 5.611 | 1018.050 | 5.601 | 1018.050 | 4.431 |
| 1018.270 | 4.441 | 1018.270 | 4.447 | 1018.430 | 4.426 | 1018.570 | 4.176 |
| 1021.270 | 4.116 | 1024.020 | 4.046 | 1024.150 | 4.046 | 1027.270 | 2.496 |
| 1029.570 | 2.516 | 1032.010 | 2.496 | 1037.920 | -0.344 | 1038.040 | -0.389 |
| 1038.440 | -0.409 | 1038.440 | -0.799 | 1038.670 | -0.799 | 1038.670 | -0.439 |
| 1038.970 | -0.229 | 1041.570 | -0.229 | 1042.370 | -0.069 | 1042.420 | -0.089 |
| 1042.520 | -0.079 | 1044.470 | -0.049 | 1048.370 | -0.019 | 1053.270 | -0.099 |
| 1057.270 | -0.049 | 1058.770 | -0.279 | 1060.970 | -0.609 | 1061.270 | -0.319 |
| 1062.870 | -0.279 | 1062.870 | -0.529 | 1063.120 | -1.369 | 1063.570 | -1.339 |
| 1064.070 | -1.679 | 1064.470 | -1.949 | 1066.070 | -1.949 | 1066.370 | -1.679 |

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 1066.370 | -1.379 | 1067.320 | -1.259 | 1067.370 | -0.069 | 1067.470 | -0.069 |
| 1070.270 | -0.109 | 1075.770 | 0.304 | 1081.770 | 0.224 | 1082.770 | 0.224 |
| 1090.770 | -0.076 | 1091.070 | -0.086 | 1091.270 | -0.746 | 1091.770 | -0.886 |
| 1093.270 | -0.906 | | | | | | |
| 3.0km | 0.000 | | | | 324 | 59 265 | 44 274 |
| -77.000 | -1.526 | -65.000 | -1.516 | -57.500 | -1.346 | -56.000 | -1.306 |
| -55.200 | -1.386 | -55.200 | -1.646 | -54.800 | -1.646 | -54.800 | -2.026 |
| -54.400 | -2.356 | -53.900 | -2.396 | -53.900 | -3.636 | -52.300 | -3.476 |
| -50.750 | -3.276 | -50.750 | -2.406 | -50.300 | -2.376 | -50.000 | -2.146 |
| -50.000 | -1.666 | -49.700 | -1.666 | -49.700 | -1.416 | -48.300 | -1.226 |
| -46.300 | -1.186 | -33.000 | -0.526 | -20.100 | 0.044 | -17.810 | 0.078 |
| -13.820 | 0.111 | -13.820 | 0.411 | -13.050 | 0.541 | -7.090 | 3.891 |
| -7.010 | 4.111 | -6.650 | 4.091 | -6.350 | 4.091 | -6.260 | 4.151 |
| -3.000 | 4.161 | -0.220 | 4.181 | -0.120 | 4.461 | 0.000 | 4.476 |
| 0.000 | 4.470 | 0.000 | 4.476 | 0.000 | 4.470 | 0.200 | 4.470 |
| 0.200 | 5.480 | 0.700 | 5.480 | 0.700 | 3.870 | 1.200 | 3.350 |
| 4.720 | 1.660 | 5.520 | 1.630 | 7.870 | 1.540 | 10.620 | 0.190 |
| 11.160 | -0.101 | 12.860 | -0.211 | 17.860 | -0.461 | 22.860 | -0.591 |
| 27.860 | -0.602 | 32.860 | -0.582 | 37.860 | -0.492 | 42.860 | -0.413 |
| 47.860 | -0.363 | 52.870 | -0.203 | 57.870 | -0.084 | 62.870 | -0.254 |
| 67.870 | -0.784 | 72.870 | -1.245 | 77.870 | -1.895 | 82.870 | -2.125 |
| 87.870 | -2.196 | 92.870 | -2.326 | 95.010 | -2.316 | 100.010 | -2.416 |
| 105.010 | -2.417 | 110.010 | -2.517 | 115.010 | -2.667 | 120.010 | -2.718 |
| 125.010 | -2.868 | 130.010 | -3.018 | 135.010 | -3.219 | 140.010 | -3.339 |
| 145.010 | -3.419 | 150.010 | -3.490 | 155.010 | -3.470 | 160.020 | -3.470 |
| 165.020 | -3.521 | 170.020 | -3.581 | 175.020 | -3.681 | 180.020 | -3.822 |
| 185.020 | -3.822 | 190.020 | -3.722 | 195.020 | -3.773 | 200.020 | -3.923 |
| 205.020 | -3.924 | 210.020 | -3.924 | 215.020 | -3.324 | 220.020 | -3.575 |
| 225.020 | -3.925 | 230.020 | -3.625 | 235.020 | -3.526 | 240.020 | -4.076 |
| 245.020 | -4.726 | 248.020 | -5.176 | 250.020 | -4.997 | 255.020 | -5.127 |
| 260.020 | -5.127 | 264.030 | -4.227 | 265.030 | -4.628 | 270.030 | -5.908 |
| 275.030 | -5.948 | 280.030 | -6.029 | 285.030 | -6.049 | 290.030 | -5.889 |
| 295.030 | -5.850 | 300.030 | -5.760 | 305.030 | -5.710 | 310.030 | -5.631 |
| 315.030 | -5.561 | 320.030 | -5.431 | 325.030 | -5.332 | 327.530 | -5.232 |
| 330.030 | -5.382 | 335.030 | -5.132 | 340.030 | -5.353 | 345.030 | -5.133 |
| 350.030 | -5.033 | 355.030 | -4.964 | 360.030 | -4.834 | 365.030 | -4.734 |
| 370.040 | -4.585 | 375.040 | -4.455 | 380.040 | -4.435 | 385.040 | -4.416 |
| 390.040 | -4.336 | 395.040 | -4.236 | 400.040 | -4.187 | 405.040 | -4.187 |
| 410.040 | -4.157 | 415.040 | -4.188 | 420.040 | -4.118 | 425.040 | -4.088 |
| 430.040 | -4.089 | 435.040 | -4.059 | 440.040 | -4.039 | 445.040 | -3.940 |
| 450.040 | -3.790 | 455.040 | -3.460 | 460.040 | -3.401 | 465.040 | -3.591 |
| 470.040 | -3.591 | 475.050 | -3.442 | 480.050 | -3.592 | 485.050 | -3.642 |
| 490.050 | -3.543 | 495.050 | -3.693 | 500.050 | -3.843 | 505.050 | -3.944 |
| 510.050 | -4.144 | 515.050 | -4.044 | 520.050 | -4.065 | 525.050 | -2.345 |
| 527.050 | -1.995 | 530.050 | -2.845 | 535.050 | -3.566 | 537.550 | -3.696 |
| 540.050 | -3.146 | 545.050 | -2.946 | 547.050 | -3.946 | 550.050 | -3.947 |
| 555.050 | -3.997 | 560.050 | -4.207 | 565.050 | -4.268 | 570.050 | -4.298 |
| 575.050 | -4.328 | 580.060 | -4.299 | 585.060 | -4.299 | 590.060 | -4.249 |
| 595.060 | -4.350 | 600.060 | -4.250 | 605.060 | -4.070 | 610.060 | -3.951 |
| 615.060 | -3.901 | 616.060 | -4.031 | 620.060 | -4.001 | 625.060 | -3.852 |
| 630.060 | -3.752 | 635.060 | -3.622 | 640.060 | -3.513 | 645.060 | -3.303 |
| 650.060 | -3.353 | 655.060 | -3.254 | 660.060 | -3.154 | 665.060 | -3.054 |
| 670.060 | -2.855 | 675.060 | -2.655 | 680.060 | -2.655 | 685.070 | -2.556 |
| 690.070 | -2.456 | 695.070 | -2.306 | 700.070 | -2.207 | 705.070 | -2.357 |
| 710.070 | -2.257 | 715.070 | -2.038 | 720.070 | -2.018 | 725.070 | -1.878 |
| 730.070 | -1.759 | 735.070 | -1.759 | 740.070 | -1.759 | 745.070 | -1.760 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 750.070 | -1.780 | 755.070 | -1.780 | 760.070 | -1.781 | 765.070 | -1.761 |
| 770.070 | -1.761 | 775.070 | -1.762 | 779.340 | -1.832 | 784.340 | -1.802 |
| 789.350 | -1.733 | 794.350 | -1.553 | 799.350 | -1.403 | 804.350 | -1.204 |
| 809.350 | -0.844 | 814.350 | 0.006 | 819.350 | -0.135 | 824.350 | -0.325 |
| 829.350 | -0.325 | 834.350 | -0.086 | 837.450 | 0.084 | 837.580 | 0.134 |
| 839.100 | 1.454 | 839.100 | 2.584 | 839.350 | 2.584 | 839.350 | 2.584 |
| 839.600 | 1.876 | 841.050 | 1.856 | 841.050 | 1.426 | 843.050 | -0.369 |
| 843.400 | -0.609 | 845.550 | -0.867 | 849.350 | -0.965 | 854.350 | -1.042 |
| 859.350 | -1.069 | 864.350 | -1.106 | 869.350 | -1.123 | 874.350 | -1.230 |
| 879.350 | -1.387 | 884.350 | -1.463 | 889.350 | -1.530 | 894.350 | -1.557 |
| 899.350 | -1.754 | 904.350 | -2.211 | 909.350 | -2.588 | 914.350 | -2.905 |
| 919.350 | -3.062 | 924.350 | -3.069 | 929.350 | -3.136 | 934.350 | -3.133 |
| 939.350 | -2.849 | 944.350 | -2.586 | 949.350 | -2.223 | 954.350 | -2.060 |
| 959.350 | -1.957 | 964.350 | -1.814 | 969.350 | -1.511 | 974.350 | -0.638 |
| 975.750 | -0.287 | 976.050 | -0.214 | 976.410 | -0.284 | 976.410 | -0.054 |
| 976.800 | -0.054 | 976.850 | 0.186 | 977.200 | 0.186 | 984.050 | 1.314 |
| 989.990 | 1.774 | 990.770 | 2.564 | 994.540 | 2.964 | 994.850 | 3.284 |
| 994.940 | 5.674 | 995.370 | 5.664 | 995.370 | 4.834 | 996.340 | 4.814 |
| 996.340 | 4.822 | 996.480 | 4.818 | 996.620 | 3.448 | 999.340 | 3.388 |
| 1001.790 | 3.318 | 1001.940 | 3.278 | 1002.320 | 3.308 | 1002.320 | 3.602 |
| 1002.420 | 3.308 | 1002.440 | 3.078 | 1004.570 | 1.178 | 1004.740 | 1.178 |
| 1004.740 | 0.878 | 1005.070 | 0.878 | 1005.070 | 1.178 | 1005.240 | 1.178 |
| 1006.740 | 1.318 | 1011.140 | 1.108 | 1018.340 | 1.068 | 1024.340 | 1.028 |
| 1025.040 | 0.978 | 1025.740 | 0.948 | 1026.940 | 0.898 | 1027.340 | 0.898 |
| 1027.340 | 1.008 | 1027.740 | 1.008 | 1027.740 | 1.158 | 1030.140 | 1.308 |
| 1032.940 | 1.199 | 1033.040 | 1.149 | 1038.040 | 1.129 | 1038.140 | 1.089 |
| 1052.940 | 1.159 | 1053.640 | 1.159 | 1063.740 | 1.139 | 1064.940 | 1.059 |
| 1064.940 | 0.909 | 1065.140 | 0.979 | 1065.240 | 0.979 | 1065.490 | 1.079 |
| 1067.040 | 1.099 | 1068.740 | 1.049 | 1068.840 | 0.989 | 1068.940 | 0.989 |
| 1069.140 | 0.919 | 1069.140 | 1.079 | 1069.440 | 1.129 | 1071.340 | 1.129 |
| 3.2km | 0.000 | | | | 315 | 66 265 | 51 278 |
| -77.000 | -3.674 | -73.800 | -3.614 | -73.800 | -2.994 | -73.800 | -2.434 |
| -73.100 | -2.394 | -72.500 | -1.924 | -72.500 | -1.764 | -71.400 | -0.954 |
| -68.700 | -0.954 | -66.500 | -1.334 | -66.000 | -0.974 | -60.000 | -1.107 |
| -50.000 | -0.982 | -43.300 | -1.022 | -42.800 | -1.212 | -42.800 | -1.652 |
| -41.800 | -1.662 | -41.800 | -1.212 | -41.500 | -1.062 | -40.900 | -1.062 |
| -40.900 | -1.162 | -25.500 | -0.962 | -24.800 | -1.022 | -24.000 | -1.022 |
| -22.050 | -1.032 | -22.050 | -1.262 | -21.850 | -1.272 | -21.850 | -1.552 |
| -21.350 | -1.552 | -21.350 | -1.242 | -21.100 | -1.242 | -18.100 | 0.151 |
| -18.000 | 0.217 | -15.800 | 0.287 | -13.900 | 0.317 | -13.900 | 0.517 |
| -13.300 | 0.537 | -5.790 | 4.211 | -5.750 | 4.237 | -3.000 | 4.277 |
| -0.210 | 4.337 | -0.110 | 4.567 | 0.000 | 4.573 | 0.000 | 4.556 |
| 0.000 | 4.573 | 0.000 | 4.556 | 0.190 | 4.556 | 0.190 | 5.486 |
| 0.690 | 5.486 | 0.690 | 3.956 | 1.200 | 3.456 | 4.630 | 1.786 |
| 5.450 | 1.766 | 7.800 | 1.666 | 9.550 | 0.721 | 10.290 | 0.431 |
| 12.790 | 0.120 | 17.790 | -0.140 | 22.790 | -0.190 | 27.790 | -0.160 |
| 32.790 | -0.091 | 37.790 | -0.061 | 42.790 | -0.031 | 47.790 | -0.001 |
| 52.790 | -0.032 | 57.790 | -0.012 | 62.790 | -0.362 | 65.000 | -0.582 |
| 70.000 | -0.832 | 75.000 | -1.183 | 78.000 | -1.733 | 79.000 | -1.633 |
| 80.000 | -1.733 | 85.000 | -1.933 | 90.000 | -2.034 | 95.000 | -2.084 |
| 100.000 | -2.134 | 105.000 | -2.184 | 110.000 | -2.235 | 115.000 | -2.235 |
| 120.000 | -2.235 | 125.000 | -2.385 | 130.000 | -2.436 | 135.000 | -2.536 |
| 140.000 | -2.636 | 144.990 | -2.786 | 149.990 | -2.937 | 154.990 | -3.137 |
| 159.990 | -3.437 | 164.990 | -3.937 | 169.990 | -3.888 | 174.990 | -3.688 |
| 179.990 | -3.738 | 184.990 | -3.788 | 189.990 | -3.739 | 194.990 | -3.739 |
| 199.990 | -3.739 | 204.990 | -3.789 | 209.990 | -3.890 | 214.990 | -4.040 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 219.990 | -4.540 | 224.990 | -4.790 | 229.990 | -4.791 | 234.990 | -4.791 |
| 239.990 | -4.791 | 244.990 | -4.791 | 249.990 | -4.842 | 254.990 | -4.942 |
| 259.990 | -5.092 | 264.990 | -5.192 | 269.990 | -5.393 | 274.990 | -5.543 |
| 279.990 | -5.593 | 284.990 | -5.594 | 289.990 | -5.494 | 294.990 | -5.244 |
| 299.990 | -5.694 | 304.990 | -5.545 | 309.990 | -5.395 | 312.990 | -5.295 |
| 314.990 | -5.095 | 319.990 | -4.645 | 324.990 | -4.646 | 326.990 | -4.696 |
| 329.990 | -4.596 | 334.990 | -4.546 | 339.990 | -4.596 | 344.990 | -4.397 |
| 349.990 | -4.397 | 352.990 | -4.497 | 354.990 | -4.347 | 359.990 | -4.097 |
| 364.990 | -4.048 | 369.990 | -4.048 | 374.990 | -3.848 | 379.990 | -3.848 |
| 384.990 | -3.749 | 389.990 | -3.549 | 394.990 | -3.499 | 399.990 | -3.399 |
| 404.990 | -3.350 | 409.990 | -3.350 | 414.990 | -3.250 | 419.990 | -3.200 |
| 424.980 | -3.201 | 429.980 | -3.201 | 434.980 | -3.251 | 439.980 | -3.201 |
| 444.980 | -3.202 | 449.980 | -3.402 | 454.980 | -3.502 | 459.980 | -3.552 |
| 464.980 | -3.503 | 469.980 | -3.403 | 474.980 | -3.553 | 479.980 | -3.354 |
| 484.980 | -3.504 | 489.980 | -3.504 | 494.980 | -3.504 | 499.980 | -3.405 |
| 504.980 | -3.355 | 509.980 | -3.305 | 514.980 | -3.405 | 519.980 | -3.206 |
| 524.980 | -3.206 | 529.980 | -3.206 | 534.980 | -2.806 | 539.980 | -2.107 |
| 544.980 | -1.357 | 549.980 | -1.857 | 554.980 | -1.957 | 555.980 | -1.807 |
| 559.980 | -2.908 | 564.980 | -4.608 | 569.980 | -4.658 | 574.980 | -4.808 |
| 579.980 | -4.859 | 584.980 | -4.809 | 589.980 | -4.659 | 594.980 | -4.659 |
| 599.980 | -4.710 | 600.980 | -4.460 | 604.980 | -4.460 | 609.980 | -4.410 |
| 614.980 | -4.360 | 619.980 | -4.261 | 624.980 | -4.211 | 629.980 | -4.011 |
| 634.980 | -3.761 | 636.980 | -4.012 | 639.980 | -4.012 | 644.980 | -3.762 |
| 649.980 | -3.712 | 654.980 | -3.663 | 659.980 | -3.663 | 664.980 | -3.563 |
| 669.980 | -3.463 | 674.980 | -3.364 | 679.980 | -3.064 | 684.980 | -3.014 |
| 689.980 | -3.014 | 694.980 | -2.815 | 699.980 | -2.965 | 704.970 | -2.815 |
| 709.970 | -2.815 | 714.970 | -2.666 | 717.970 | -2.416 | 719.970 | -2.466 |
| 724.970 | -2.516 | 729.970 | -2.366 | 734.970 | -2.317 | 739.970 | -2.317 |
| 744.970 | -2.217 | 749.970 | -2.267 | 754.970 | -2.218 | 759.970 | -2.218 |
| 764.970 | -2.118 | 769.970 | -2.018 | 774.970 | -1.969 | 779.970 | -1.869 |
| 784.970 | -1.869 | 789.970 | -1.819 | 794.970 | -1.720 | 799.970 | -1.620 |
| 804.970 | -1.520 | 809.970 | -1.420 | 814.970 | -0.971 | 819.970 | -0.721 |
| 825.380 | -0.441 | 830.380 | -0.102 | 835.380 | 0.198 | 838.880 | 0.488 |
| 839.020 | 0.678 | 840.130 | 1.621 | 840.130 | 2.761 | 840.380 | 2.751 |
| 840.380 | 2.751 | 840.630 | 2.058 | 842.180 | 2.058 | 842.180 | 1.638 |
| 843.430 | 0.438 | 846.980 | 0.058 | 858.530 | -0.216 | 860.380 | -0.334 |
| 865.380 | -0.529 | 870.380 | -1.054 | 875.380 | -1.199 | 880.380 | -1.784 |
| 885.380 | -2.369 | 890.380 | -2.234 | 895.380 | -2.199 | 900.380 | -2.204 |
| 905.380 | -2.259 | 910.380 | -2.274 | 915.380 | -2.379 | 920.380 | -2.494 |
| 925.380 | -2.699 | 930.380 | -2.794 | 935.380 | -2.538 | 940.380 | -2.233 |
| 945.380 | -2.028 | 950.730 | -2.113 | 950.730 | -0.123 | 950.730 | 0.518 |
| 951.080 | -0.822 | 953.330 | -1.012 | 953.580 | 0.538 | 954.980 | 0.478 |
| 958.380 | 0.908 | 963.980 | 1.747 | 968.040 | 2.057 | 975.710 | 2.727 |
| 975.830 | 2.797 | 975.830 | 5.117 | 976.040 | 5.117 | 976.040 | 5.128 |
| 976.170 | 5.120 | 976.270 | 3.760 | 979.140 | 3.700 | 981.540 | 3.630 |
| 981.640 | 3.600 | 981.920 | 3.600 | 985.020 | 0.630 | 985.240 | 0.650 |
| 985.590 | 0.650 | 986.640 | 0.740 | 991.540 | 0.769 | 992.640 | 0.769 |
| 993.640 | 0.679 | 993.040 | 0.679 | 994.190 | 0.679 | 995.590 | 0.679 |
| 997.240 | 0.629 | 997.640 | 0.629 | 997.990 | 0.779 | 1017.840 | 0.942 |
| 1019.140 | 0.782 | 1019.140 | 0.592 | 1019.590 | 0.582 | 1020.940 | 0.592 |
| 1022.540 | 0.592 | 1023.040 | 0.592 | 1023.090 | 0.612 | 1024.640 | 0.692 |
| 1028.740 | 0.712 | 1028.740 | 0.952 | 1029.340 | 0.952 | 1037.740 | 0.982 |
| 1038.040 | 0.982 | 1039.440 | 0.982 | 1042.040 | 0.982 | 1042.340 | 0.982 |
| 1042.340 | 0.882 | 1046.140 | 0.792 | 1051.040 | 0.792 | | |
| 3.4km | 0.000 | | | | 310 | 60 251 | 47 256 |
| -75.000 | -1.048 | -67.500 | -1.168 | -66.480 | -1.868 | -66.480 | -1.998 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| -65.880 | -2.438 | -65.100 | -2.498 | -65.100 | -3.388 | -62.000 | -3.418 |
| -59.850 | -3.428 | -59.850 | -2.676 | -59.850 | -2.488 | -59.100 | -2.428 |
| -58.500 | -1.988 | -58.500 | -1.848 | -57.550 | -1.138 | -55.500 | -1.048 |
| -53.000 | -1.028 | -46.000 | -0.008 | -42.000 | 1.036 | -41.300 | 1.066 |
| -30.000 | 1.036 | -23.950 | 1.106 | -18.740 | 0.706 | -18.650 | 0.666 |
| -18.500 | 0.666 | -18.500 | 0.336 | -18.050 | 0.336 | -18.050 | 0.676 |
| -17.670 | 0.696 | -15.200 | 0.726 | -12.850 | 0.746 | -12.850 | 1.036 |
| -12.220 | 1.036 | -5.770 | 4.236 | -5.680 | 4.276 | -2.900 | 4.306 |
| -0.190 | 4.366 | -0.080 | 4.586 | 0.000 | 4.602 | 0.000 | 4.589 |
| 0.000 | 4.602 | 0.000 | 4.589 | 0.230 | 4.589 | 0.230 | 5.479 |
| 0.730 | 5.479 | 0.730 | 3.939 | 1.250 | 3.449 | 4.650 | 1.849 |
| 5.400 | 1.809 | 7.740 | 1.669 | 9.500 | 0.785 | 10.270 | 0.365 |
| 13.740 | 0.195 | 21.040 | 0.066 | 26.240 | -0.084 | 30.040 | -0.264 |
| 37.740 | -0.273 | 45.730 | -0.123 | 55.730 | -0.052 | 60.730 | -0.012 |
| 65.030 | -0.192 | 67.730 | -0.411 | 69.990 | -0.711 | 74.990 | -0.861 |
| 79.990 | -1.261 | 84.990 | -1.560 | 89.990 | -1.910 | 94.990 | -2.110 |
| 99.990 | -2.659 | 104.990 | -2.709 | 109.990 | -2.909 | 114.990 | -3.209 |
| 119.980 | -3.308 | 124.980 | -3.358 | 129.980 | -3.358 | 134.980 | -3.357 |
| 139.980 | -3.407 | 144.980 | -3.607 | 149.980 | -3.656 | 154.980 | -4.056 |
| 159.980 | -4.356 | 164.980 | -4.406 | 169.980 | -3.855 | 174.980 | -3.555 |
| 179.980 | -3.605 | 184.980 | -3.954 | 189.980 | -4.104 | 194.970 | -4.354 |
| 199.970 | -4.353 | 204.970 | -4.353 | 209.970 | -4.303 | 214.970 | -4.202 |
| 219.970 | -4.052 | 224.970 | -4.052 | 229.970 | -4.002 | 234.970 | -3.951 |
| 239.970 | -3.951 | 244.970 | -3.801 | 249.970 | -3.700 | 254.970 | -3.450 |
| 259.970 | -3.100 | 264.970 | -2.399 | 269.970 | -2.349 | 274.960 | -3.699 |
| 279.960 | -5.799 | 284.960 | -6.498 | 289.960 | -6.748 | 294.960 | -6.998 |
| 299.960 | -6.947 | 302.960 | -6.797 | 304.960 | -6.897 | 309.960 | -6.747 |
| 314.960 | -6.446 | 319.960 | -6.096 | 324.960 | -5.646 | 329.960 | -5.445 |
| 334.960 | -5.245 | 339.960 | -4.995 | 344.960 | -4.795 | 349.950 | -4.794 |
| 354.950 | -4.194 | 359.950 | -3.894 | 364.950 | -3.343 | 369.950 | -3.143 |
| 374.950 | -2.993 | 377.950 | -2.743 | 379.950 | -2.892 | 384.950 | -2.792 |
| 389.950 | -2.592 | 394.950 | -2.092 | 399.950 | -1.941 | 404.950 | -1.891 |
| 409.950 | -1.991 | 414.950 | -1.840 | 419.950 | -1.690 | 424.950 | -1.490 |
| 429.940 | -1.339 | 434.940 | -1.289 | 439.940 | -1.239 | 444.940 | -1.138 |
| 449.940 | -1.038 | 454.940 | -0.988 | 459.940 | -0.988 | 464.940 | -1.037 |
| 469.940 | -1.087 | 474.940 | -1.187 | 479.940 | -1.386 | 484.940 | -1.436 |
| 489.940 | -1.486 | 494.940 | -1.485 | 499.940 | -1.585 | 504.930 | -1.735 |
| 509.930 | -2.035 | 514.930 | -2.284 | 519.930 | -2.384 | 524.930 | -2.634 |
| 529.930 | -3.033 | 534.930 | -3.483 | 539.930 | -3.883 | 544.930 | -4.132 |
| 546.930 | -3.982 | 549.930 | -4.282 | 554.930 | -4.482 | 559.930 | -4.631 |
| 560.930 | -4.631 | 564.930 | -3.681 | 566.930 | -3.331 | 569.930 | -3.481 |
| 574.930 | -3.481 | 579.920 | -3.880 | 584.920 | -4.030 | 585.920 | -4.180 |
| 589.920 | -2.680 | 592.920 | -2.079 | 594.920 | -2.879 | 599.920 | -4.429 |
| 604.920 | -4.529 | 609.920 | -4.778 | 614.920 | -4.678 | 619.920 | -4.778 |
| 622.920 | -4.878 | 624.920 | -4.778 | 629.920 | -4.677 | 634.920 | -4.677 |
| 639.920 | -4.677 | 644.920 | -4.676 | 649.920 | -4.626 | 654.920 | -4.526 |
| 659.910 | -4.525 | 664.910 | -4.375 | 669.910 | -4.275 | 674.910 | -4.224 |
| 679.910 | -4.124 | 684.910 | -4.124 | 689.910 | -3.924 | 694.910 | -3.923 |
| 699.910 | -3.823 | 704.910 | -3.723 | 709.910 | -3.522 | 714.910 | -3.572 |
| 719.910 | -3.472 | 724.910 | -3.371 | 729.910 | -3.271 | 734.900 | -3.221 |
| 739.900 | -2.971 | 744.900 | -2.970 | 749.900 | -3.020 | 754.900 | -2.970 |
| 759.900 | -2.869 | 764.900 | -2.769 | 769.900 | -2.719 | 774.900 | -2.668 |
| 779.900 | -2.618 | 784.900 | -2.568 | 789.900 | -2.517 | 794.900 | -2.467 |
| 799.900 | -2.467 | 804.900 | -2.367 | 809.900 | -2.316 | 814.890 | -2.316 |
| 819.890 | -2.316 | 824.890 | -2.315 | 829.890 | -2.265 | 834.890 | -2.015 |
| 839.890 | -0.964 | 845.330 | -0.584 | 845.630 | -0.594 | 847.040 | 0.836 |

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 848.330 | 2.147 | 848.330 | 2.837 | 848.630 | 2.837 | 848.830 | 2.157 |
| 850.330 | 2.144 | 850.330 | 2.144 | 852.380 | 0.120 | 855.930 | -0.226 |
| 856.380 | -0.296 | 861.380 | -0.727 | 866.380 | -1.727 | 871.380 | -2.648 |
| 876.380 | -3.308 | 881.380 | -3.009 | 886.380 | -2.969 | 891.380 | -2.830 |
| 896.380 | -2.930 | 901.380 | -2.581 | 906.380 | -2.351 | 911.380 | -1.302 |
| 916.380 | -0.683 | 920.880 | -0.233 | 927.880 | 0.620 | 931.080 | 1.060 |
| 932.880 | 1.030 | 935.380 | 2.143 | 938.970 | 2.153 | 942.830 | 4.083 |
| 943.220 | 4.383 | 943.400 | 5.023 | 943.400 | 5.303 | 943.570 | 5.303 |
| 943.570 | 5.310 | 943.710 | 5.303 | 943.870 | 5.013 | 944.100 | 5.013 |
| 946.570 | 4.953 | 949.120 | 4.863 | 949.400 | 4.873 | 949.400 | 4.953 |
| 949.520 | 4.963 | 949.700 | 4.963 | 949.790 | 4.653 | 954.570 | 2.353 |
| 956.570 | 2.253 | 958.520 | 2.253 | 958.770 | 2.253 | 958.770 | 1.923 |
| 959.270 | 1.923 | 959.270 | 2.333 | 959.720 | 2.373 | 960.970 | 2.423 |
| 967.970 | 2.233 | 968.270 | 2.233 | 972.070 | 2.233 | 972.170 | 2.233 |
| 989.420 | 2.217 | 990.140 | 2.197 | 990.140 | 1.807 | 990.420 | 1.897 |
| 990.520 | 1.897 | 990.620 | 1.947 | 992.570 | 1.967 | 994.270 | 1.897 |
| 994.340 | 1.897 | 994.570 | 1.787 | 994.570 | 1.897 | 994.670 | 1.897 |
| 994.670 | 2.077 | 994.920 | 2.117 | 996.770 | 2.367 | 999.570 | 2.387 |
| 1005.570 | 2.387 | 1005.570 | 1.837 | 1005.770 | 1.837 | 1005.770 | 2.447 |
| 1007.370 | 2.447 | 1016.770 | 2.106 | 1017.320 | 1.986 | 1017.320 | 1.866 |
| 1017.570 | 1.956 | 1018.570 | 2.026 | | | | |
| 3.6km | 0.000 | | | | 331 | 95 280 | 64 288 |
| -80.000 | -1.211 | -72.000 | -1.101 | -68.000 | -1.171 | -67.200 | -1.811 |
| -67.000 | -1.811 | -67.000 | -1.921 | -66.450 | -2.421 | -65.700 | -2.451 |
| -65.700 | -3.051 | -65.700 | -3.351 | -62.000 | -3.531 | -60.300 | -3.501 |
| -60.300 | -3.051 | -60.300 | -2.451 | -59.500 | -2.421 | -59.050 | -1.921 |
| -59.050 | -1.801 | -58.900 | -1.801 | -58.000 | -1.141 | -54.900 | -1.031 |
| -54.800 | -0.691 | -51.100 | -0.801 | -50.700 | -1.311 | -50.700 | -1.551 |
| -50.000 | -1.551 | -50.000 | -1.311 | -49.400 | -0.931 | -46.500 | -1.001 |
| -40.000 | -1.001 | -35.000 | -0.911 | -33.700 | 1.179 | -32.000 | 1.179 |
| -30.000 | 1.329 | -25.000 | 1.329 | -23.000 | 1.329 | -21.900 | 1.399 |
| -18.900 | 1.439 | -18.700 | 0.909 | -18.550 | 0.909 | -18.550 | 0.629 |
| -18.100 | 0.629 | -18.100 | 0.909 | -17.780 | 0.919 | -15.500 | 0.949 |
| -13.400 | 0.959 | -13.080 | 0.959 | -13.080 | 1.259 | -12.300 | 1.279 |
| -6.200 | 4.259 | -6.150 | 4.459 | -5.820 | 4.476 | -5.700 | 4.529 |
| -3.000 | 4.569 | -0.260 | 4.609 | -0.160 | 4.839 | 0.000 | 4.846 |
| 0.000 | 4.840 | 0.000 | 4.846 | 0.000 | 4.840 | 0.170 | 4.840 |
| 0.170 | 5.490 | 0.670 | 5.490 | 0.670 | 4.130 | 0.850 | 3.890 |
| 1.650 | 3.890 | 1.650 | 3.680 | 2.050 | 3.680 | 2.050 | 3.470 |
| 2.500 | 3.470 | 2.500 | 3.270 | 2.950 | 3.270 | 2.950 | 3.060 |
| 3.400 | 3.060 | 3.400 | 2.860 | 3.800 | 2.860 | 3.800 | 2.660 |
| 4.200 | 2.660 | 4.200 | 2.450 | 4.650 | 2.450 | 4.650 | 2.240 |
| 5.100 | 2.240 | 5.100 | 2.040 | 8.180 | 1.950 | 10.970 | 0.827 |
| 11.300 | 0.689 | 11.870 | 0.259 | 13.170 | 0.119 | 18.170 | -0.202 |
| 23.170 | -0.222 | 28.170 | -0.122 | 33.170 | -0.093 | 38.170 | -0.073 |
| 43.170 | -0.143 | 48.170 | -0.094 | 53.170 | -0.044 | 58.170 | -0.084 |
| 63.170 | -0.505 | 68.170 | -0.875 | 70.000 | -0.965 | 75.000 | -1.316 |
| 80.000 | -1.566 | 85.000 | -1.766 | 90.000 | -1.867 | 95.000 | -1.917 |
| 100.000 | -2.067 | 105.000 | -2.368 | 110.000 | -2.518 | 115.000 | -2.518 |
| 120.000 | -2.619 | 125.000 | -2.669 | 130.000 | -2.669 | 135.000 | -2.720 |
| 140.000 | -2.720 | 145.000 | -2.670 | 150.000 | -2.771 | 155.000 | -2.821 |
| 160.000 | -2.921 | 165.000 | -2.822 | 170.000 | -2.722 | 175.000 | -2.922 |
| 180.000 | -3.023 | 185.000 | -2.923 | 190.000 | -2.924 | 195.000 | -3.024 |
| 200.000 | -2.924 | 205.000 | -2.975 | 210.000 | -3.025 | 215.000 | -3.025 |
| 220.000 | -3.026 | 225.000 | -2.976 | 230.000 | -2.926 | 235.000 | -2.127 |
| 237.000 | -2.027 | 240.000 | -2.077 | 245.000 | -3.527 | 250.000 | -4.178 |

S59横断データ (-0.6~56.2).dat

| | | | | | | | |
|----------|--------|----------|--------|----------|--------|----------|--------|
| 255.000 | -4.378 | 260.000 | -4.578 | 265.000 | -4.629 | 270.000 | -4.629 |
| 275.000 | -4.679 | 280.000 | -4.730 | 285.000 | -4.730 | 290.000 | -4.780 |
| 295.000 | -4.781 | 300.000 | -4.831 | 305.000 | -4.831 | 310.000 | -4.632 |
| 315.000 | -4.332 | 318.000 | -2.932 | 320.000 | -3.432 | 322.000 | -4.883 |
| 325.000 | -4.733 | 326.000 | -4.533 | 330.000 | -4.683 | 335.000 | -4.633 |
| 340.000 | -4.334 | 342.000 | -4.184 | 345.000 | -4.434 | 348.000 | -4.534 |
| 350.000 | -4.334 | 355.000 | -4.035 | 360.000 | -3.935 | 365.000 | -3.736 |
| 370.000 | -3.736 | 375.000 | -3.586 | 380.000 | -3.437 | 385.000 | -2.837 |
| 390.000 | -2.737 | 395.000 | -2.738 | 400.000 | -2.838 | 405.000 | -2.938 |
| 410.000 | -2.839 | 415.000 | -2.639 | 418.000 | -2.439 | 420.000 | -2.539 |
| 425.000 | -2.340 | 430.000 | -2.440 | 435.000 | -2.340 | 440.000 | -2.241 |
| 445.000 | -2.241 | 450.000 | -2.141 | 455.000 | -2.092 | 460.000 | -2.092 |
| 465.010 | -2.092 | 470.010 | -1.943 | 475.010 | -1.943 | 480.010 | -1.943 |
| 485.010 | -1.944 | 490.010 | -1.844 | 495.010 | -1.794 | 500.010 | -1.745 |
| 505.010 | -1.795 | 510.010 | -1.745 | 515.010 | -1.646 | 520.010 | -1.546 |
| 525.010 | -1.646 | 530.010 | -1.647 | 535.010 | -1.547 | 540.010 | -1.448 |
| 545.010 | -1.548 | 550.010 | -1.748 | 555.010 | -1.699 | 560.010 | -1.749 |
| 565.010 | -1.649 | 570.010 | -1.650 | 575.010 | -1.650 | 580.010 | -1.500 |
| 585.010 | -1.201 | 590.010 | -0.951 | 595.010 | -1.001 | 600.010 | -1.052 |
| 605.010 | -1.052 | 610.010 | -1.052 | 615.010 | -1.053 | 620.010 | -1.653 |
| 625.010 | -3.853 | 630.010 | -5.054 | 633.010 | -5.654 | 635.010 | -5.454 |
| 640.010 | -5.204 | 645.010 | -4.955 | 650.010 | -4.855 | 655.010 | -4.905 |
| 660.010 | -5.056 | 665.010 | -5.056 | 670.010 | -5.056 | 675.010 | -5.107 |
| 680.010 | -5.207 | 685.010 | -5.057 | 690.010 | -4.958 | 695.010 | -4.958 |
| 700.010 | -4.858 | 705.010 | -4.809 | 710.010 | -4.759 | 715.010 | -4.660 |
| 720.010 | -4.660 | 725.010 | -4.760 | 730.010 | -4.611 | 735.010 | -4.561 |
| 740.010 | -4.361 | 745.010 | -4.412 | 750.010 | -4.312 | 755.010 | -4.212 |
| 760.010 | -4.113 | 765.010 | -3.963 | 770.010 | -4.013 | 775.010 | -3.914 |
| 780.010 | -3.914 | 785.010 | -3.814 | 790.010 | -3.765 | 795.010 | -3.615 |
| 800.010 | -3.565 | 805.010 | -3.516 | 810.010 | -3.416 | 815.010 | -3.366 |
| 820.010 | -3.317 | 825.010 | -3.267 | 830.010 | -3.217 | 835.010 | -3.068 |
| 840.010 | -3.068 | 845.010 | -2.868 | 850.010 | -2.869 | 855.010 | -2.819 |
| 860.010 | -2.769 | 865.010 | -2.720 | 870.010 | -2.820 | 875.010 | -2.870 |
| 880.010 | -2.871 | 885.010 | -2.921 | 890.010 | -2.971 | 894.400 | -3.182 |
| 899.400 | -3.212 | 904.400 | -2.702 | 909.400 | -1.753 | 914.400 | -1.223 |
| 917.950 | -0.943 | 919.400 | -0.234 | 920.100 | 0.116 | 920.700 | 0.426 |
| 924.000 | 0.426 | 924.450 | 0.416 | 925.010 | 0.626 | 927.200 | 1.196 |
| 929.400 | 2.276 | 929.400 | 2.277 | 933.020 | 2.367 | 936.810 | 4.217 |
| 937.250 | 4.587 | 937.410 | 5.127 | 937.410 | 5.467 | 937.570 | 5.477 |
| 937.570 | 5.481 | 937.720 | 5.468 | 937.870 | 5.158 | 938.110 | 5.138 |
| 940.570 | 5.078 | 943.020 | 5.028 | 943.360 | 5.038 | 943.710 | 5.048 |
| 943.770 | 4.838 | 948.490 | 2.538 | 951.070 | 2.468 | 953.320 | 2.418 |
| 953.620 | 2.418 | 953.620 | 2.188 | 954.070 | 2.188 | 954.070 | 2.498 |
| 954.120 | 2.498 | 954.670 | 2.498 | 968.270 | 2.341 | 968.570 | 3.601 |
| 970.820 | 3.611 | 971.170 | 2.371 | 972.720 | 2.361 | 972.720 | 2.551 |
| 972.820 | 2.551 | 972.970 | 2.551 | 973.020 | 2.331 | 983.470 | 2.411 |
| 983.470 | 2.541 | 983.670 | 2.541 | 983.770 | 2.541 | 983.820 | 2.191 |
| 986.670 | 2.171 | 997.570 | 2.041 | 1007.570 | 1.921 | 1011.170 | 1.821 |
| 1011.470 | 1.821 | 1012.470 | 1.831 | 1012.670 | 1.831 | | |
| 3.8km | 0.000 | | | | 326 | 74 271 | 61 283 |
| -78.000 | -1.455 | -73.500 | -1.395 | -71.700 | -1.365 | -71.100 | -1.835 |
| -70.900 | -1.835 | -70.900 | -1.955 | -70.400 | -2.445 | -69.600 | -2.485 |
| -69.600 | -3.095 | -69.600 | -3.625 | -68.000 | -3.725 | -64.800 | -3.625 |
| -64.800 | -3.095 | -64.800 | -2.435 | -63.500 | -2.435 | -62.900 | -1.935 |
| -62.900 | -1.835 | -62.500 | -1.835 | -61.500 | -0.735 | -58.700 | -0.735 |
| -58.100 | -1.105 | -57.900 | -1.265 | -50.000 | -1.305 | -39.000 | -1.135 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| -38.700 | -1.435 | -38.300 | -1.435 | -38.000 | -1.185 | -37.300 | -0.045 |
| -37.200 | -0.045 | -37.200 | 1.205 | -36.200 | 1.175 | -33.370 | 1.175 |
| -24.300 | 1.145 | -24.300 | 1.195 | -19.400 | 1.195 | -19.400 | 0.875 |
| -18.700 | 0.835 | -18.630 | 0.775 | -18.530 | 0.775 | -18.530 | 0.535 |
| -18.080 | 0.535 | -18.080 | 0.865 | -17.780 | 0.857 | -15.400 | 0.905 |
| -13.370 | 0.895 | -12.950 | 0.895 | -12.950 | 1.175 | -12.370 | 1.195 |
| -7.200 | 4.195 | -7.180 | 4.415 | -6.810 | 4.425 | -3.000 | 4.495 |
| -0.240 | 4.525 | -0.140 | 4.745 | 0.000 | 4.748 | 0.000 | 4.740 |
| 0.000 | 4.748 | 0.000 | 4.740 | 0.170 | 4.740 | 0.170 | 5.480 |
| 0.670 | 5.480 | 0.670 | 4.020 | 4.650 | 1.890 | 5.450 | 1.890 |
| 7.760 | 1.810 | 8.160 | 1.580 | 9.960 | 0.733 | 13.160 | 0.513 |
| 15.300 | 0.341 | 18.160 | 0.071 | 23.160 | -0.159 | 28.160 | -0.099 |
| 33.160 | -0.179 | 38.160 | -0.129 | 43.160 | -0.479 | 48.160 | -0.859 |
| 50.000 | -0.959 | 55.000 | -1.259 | 60.000 | -1.479 | 65.000 | -1.859 |
| 70.000 | -1.979 | 75.000 | -2.079 | 80.000 | -1.859 | 85.000 | -1.659 |
| 90.000 | -1.659 | 95.000 | -1.779 | 100.000 | -1.859 | 105.000 | -1.929 |
| 110.000 | -1.829 | 115.000 | -1.859 | 120.000 | -1.929 | 125.000 | -1.989 |
| 130.000 | -2.059 | 135.000 | -2.059 | 140.000 | -2.059 | 145.000 | -2.029 |
| 150.000 | -2.059 | 155.000 | -2.030 | 160.000 | -2.020 | 165.000 | -2.210 |
| 170.000 | -2.060 | 175.000 | -2.060 | 180.000 | -2.060 | 185.000 | -1.960 |
| 190.000 | -2.160 | 195.000 | -2.060 | 200.000 | -2.140 | 205.000 | -2.280 |
| 210.000 | -2.360 | 215.000 | -2.440 | 220.000 | -2.510 | 225.000 | -2.660 |
| 230.000 | -2.810 | 235.000 | -2.980 | 240.000 | -3.460 | 245.000 | -3.660 |
| 250.000 | -3.840 | 255.000 | -3.560 | 260.000 | -2.560 | 265.000 | -1.960 |
| 268.000 | -1.960 | 270.000 | -2.660 | 275.000 | -5.160 | 279.000 | -6.210 |
| 280.000 | -6.110 | 285.000 | -4.460 | 290.000 | -3.360 | 292.000 | -3.010 |
| 295.000 | -3.760 | 300.000 | -5.160 | 304.000 | -6.030 | 305.000 | -5.960 |
| 310.000 | -6.010 | 315.000 | -6.010 | 320.000 | -5.701 | 325.000 | -5.461 |
| 330.000 | -5.261 | 335.000 | -4.831 | 340.000 | -4.711 | 345.000 | -4.281 |
| 350.000 | -3.881 | 355.000 | -3.581 | 357.000 | -3.461 | 360.000 | -3.711 |
| 365.000 | -3.361 | 368.000 | -3.161 | 370.000 | -3.311 | 375.000 | -3.111 |
| 380.000 | -2.881 | 385.000 | -2.661 | 389.000 | -2.991 | 390.000 | -2.811 |
| 395.000 | -2.831 | 400.000 | -2.841 | 405.000 | -2.861 | 410.000 | -3.161 |
| 415.000 | -2.911 | 420.000 | -2.861 | 425.000 | -2.661 | 430.000 | -2.841 |
| 435.000 | -2.881 | 440.000 | -2.881 | 445.000 | -2.981 | 450.000 | -2.761 |
| 455.000 | -2.861 | 460.000 | -2.791 | 464.990 | -2.911 | 469.990 | -2.861 |
| 474.990 | -2.841 | 479.990 | -2.761 | 484.990 | -2.762 | 489.990 | -2.762 |
| 494.990 | -2.702 | 499.990 | -2.592 | 504.990 | -2.562 | 509.990 | -2.512 |
| 514.990 | -2.462 | 519.990 | -2.462 | 524.990 | -2.412 | 529.990 | -2.342 |
| 534.990 | -2.262 | 539.990 | -2.242 | 544.990 | -2.222 | 549.990 | -2.112 |
| 554.990 | -2.082 | 559.990 | -2.112 | 564.990 | -2.062 | 569.990 | -1.982 |
| 574.990 | -1.982 | 579.990 | -1.962 | 584.990 | -1.912 | 589.990 | -1.842 |
| 594.990 | -1.812 | 599.990 | -1.762 | 604.990 | -1.762 | 609.990 | -1.742 |
| 614.990 | -1.702 | 619.990 | -1.692 | 624.990 | -1.662 | 629.990 | -1.692 |
| 634.990 | -1.662 | 639.990 | -1.592 | 644.990 | -1.342 | 649.990 | -1.063 |
| 654.990 | -0.893 | 656.770 | -0.913 | 661.770 | -0.373 | 666.770 | 0.297 |
| 667.040 | 0.337 | 667.470 | 0.407 | 671.770 | 0.957 | 676.770 | 0.444 |
| 677.470 | 0.264 | 678.070 | 0.084 | 678.090 | 0.005 | 678.270 | -0.665 |
| 681.770 | -1.046 | 686.770 | -2.646 | 689.990 | -3.197 | 694.990 | -3.997 |
| 699.990 | -4.318 | 704.990 | -4.398 | 709.990 | -4.599 | 714.990 | -4.519 |
| 719.990 | -4.720 | 724.990 | -5.020 | 729.990 | -5.201 | 734.990 | -5.351 |
| 739.990 | -5.452 | 744.990 | -5.483 | 749.990 | -5.503 | 754.990 | -5.504 |
| 759.990 | -5.504 | 764.990 | -5.505 | 769.990 | -5.505 | 774.990 | -5.486 |
| 779.990 | -5.386 | 784.990 | -5.357 | 789.990 | -5.387 | 794.990 | -5.358 |
| 799.990 | -5.308 | 804.990 | -5.209 | 809.990 | -5.059 | 814.990 | -5.060 |
| 819.990 | -4.960 | 824.990 | -4.881 | 829.990 | -4.862 | 834.990 | -4.832 |

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|----------|--------|----------|--------|---------|--------|----------|--------|
| 839.990 | -4.913 | 844.990 | -4.793 | 849.990 | -4.634 | 854.990 | -4.614 |
| 859.990 | -4.515 | 864.990 | -4.615 | 869.990 | -4.416 | 874.990 | -4.486 |
| 879.990 | -4.517 | 883.130 | -4.537 | 888.130 | -4.558 | 893.130 | -4.518 |
| 898.130 | -4.569 | 903.130 | -4.429 | 908.130 | -4.460 | 913.130 | -3.760 |
| 915.830 | -2.821 | 918.130 | -1.311 | 920.030 | -0.241 | 920.410 | -0.021 |
| 921.730 | 0.652 | 924.230 | 0.632 | 924.730 | 0.952 | 927.380 | 1.072 |
| 928.130 | 1.447 | 928.130 | 1.420 | 934.040 | 4.300 | 934.490 | 4.630 |
| 934.670 | 5.270 | 934.670 | 5.580 | 934.840 | 5.580 | 934.840 | 5.585 |
| 934.990 | 5.573 | 935.140 | 5.273 | 935.390 | 5.263 | 937.740 | 5.213 |
| 940.290 | 5.113 | 940.680 | 5.113 | 947.320 | 1.923 | 947.940 | 1.647 |
| 948.240 | 1.647 | 948.240 | 1.327 | 948.640 | 1.327 | 948.640 | 1.647 |
| 948.740 | 1.727 | 950.140 | 1.777 | 950.140 | 1.917 | 950.640 | 1.917 |
| 950.990 | 1.897 | 951.090 | 1.317 | 952.040 | 1.337 | 952.440 | 1.387 |
| 961.640 | 1.347 | 962.190 | 1.307 | 962.190 | 1.157 | 962.340 | 1.157 |
| 962.340 | 1.427 | 962.540 | 1.427 | 962.540 | 1.097 | 969.840 | 1.027 |
| 970.840 | 1.127 | 971.840 | 1.057 | 975.240 | 0.997 | 975.240 | 1.307 |
| 980.040 | 1.297 | 980.140 | 0.897 | 987.540 | 0.537 | 987.640 | 0.537 |
| 987.640 | 0.037 | 988.140 | 0.037 | 988.140 | 0.527 | 990.340 | 0.557 |
| 992.240 | 0.527 | 992.740 | 0.527 | 995.140 | 0.837 | 1005.340 | 0.823 |
| 1008.190 | 0.693 | 1014.040 | 0.613 | | | | |
| 4.0km | 0.000 | | | | 301 | 66 259 | 55 266 |
| -78.000 | -1.564 | -70.200 | -1.464 | -69.900 | -1.564 | -67.700 | -1.584 |
| -67.500 | -1.824 | -67.100 | -1.824 | -67.100 | -1.934 | -66.600 | -2.484 |
| -65.900 | -2.484 | -65.900 | -3.094 | -65.900 | -3.644 | -62.000 | -3.744 |
| -60.400 | -3.644 | -60.400 | -3.094 | -60.400 | -2.474 | -59.700 | -2.474 |
| -59.150 | -2.444 | -59.150 | -1.964 | -59.050 | -1.804 | -58.000 | -1.004 |
| -56.400 | -0.914 | -54.600 | -0.904 | -53.000 | -1.104 | -46.100 | -1.024 |
| -46.100 | -1.374 | -37.000 | -1.194 | -20.500 | -0.454 | -20.500 | 0.498 |
| -18.700 | 0.498 | -18.660 | 0.208 | -18.500 | 0.178 | -18.500 | -0.062 |
| -18.060 | -0.062 | -18.060 | 0.188 | -17.760 | 0.198 | -14.300 | 0.228 |
| -13.920 | 0.238 | -13.920 | 0.538 | -13.300 | 0.558 | -6.200 | 3.998 |
| -6.200 | 4.198 | -5.750 | 4.228 | -5.680 | 4.386 | -3.000 | 4.438 |
| -0.170 | 4.508 | -0.140 | 4.558 | 0.000 | 4.567 | 0.000 | 4.560 |
| 0.000 | 4.567 | 0.000 | 4.560 | 0.130 | 4.560 | 0.130 | 5.470 |
| 0.630 | 5.470 | 0.630 | 4.560 | 1.200 | 4.560 | 1.670 | 4.550 |
| 2.010 | 4.550 | 5.700 | 1.710 | 6.000 | 1.690 | 7.770 | 1.620 |
| 8.310 | 1.365 | 12.860 | 0.805 | 17.760 | 0.336 | 22.760 | 0.076 |
| 27.760 | -0.084 | 32.760 | -0.114 | 37.760 | -0.204 | 41.750 | -0.394 |
| 42.760 | -0.483 | 47.760 | -0.903 | 52.760 | -1.103 | 57.760 | -1.373 |
| 60.000 | -1.543 | 65.000 | -1.792 | 70.000 | -1.942 | 75.000 | -1.992 |
| 80.000 | -2.072 | 85.000 | -2.191 | 90.000 | -2.221 | 95.000 | -2.241 |
| 100.000 | -2.291 | 105.000 | -2.310 | 110.000 | -2.340 | 115.000 | -2.370 |
| 120.000 | -2.290 | 125.000 | -2.289 | 130.000 | -2.289 | 135.000 | -2.289 |
| 140.000 | -2.189 | 145.000 | -2.188 | 150.000 | -2.148 | 155.000 | -2.088 |
| 160.000 | -2.088 | 165.000 | -2.087 | 170.000 | -2.057 | 175.000 | -1.987 |
| 180.000 | -1.987 | 185.000 | -2.036 | 190.000 | -2.036 | 195.000 | -2.016 |
| 200.000 | -2.086 | 205.000 | -2.085 | 210.000 | -2.085 | 215.000 | -2.135 |
| 220.000 | -2.184 | 225.000 | -2.184 | 230.000 | -2.184 | 235.000 | -2.184 |
| 240.000 | -2.183 | 245.000 | -2.183 | 250.000 | -2.083 | 255.000 | -2.183 |
| 260.000 | -2.282 | 265.000 | -2.382 | 270.000 | -2.532 | 275.000 | -2.682 |
| 280.000 | -2.921 | 285.000 | -3.081 | 290.000 | -3.281 | 295.000 | -3.431 |
| 300.000 | -3.510 | 305.000 | -3.630 | 310.000 | -3.700 | 315.000 | -3.830 |
| 320.000 | -3.929 | 325.000 | -4.049 | 330.000 | -4.129 | 335.000 | -4.229 |
| 340.000 | -4.178 | 345.000 | -4.028 | 350.000 | -3.878 | 355.000 | -3.678 |
| 360.000 | -3.397 | 365.000 | -3.177 | 370.000 | -3.027 | 375.000 | -2.927 |
| 380.000 | -2.756 | 385.000 | -2.576 | 390.000 | -2.646 | 395.000 | -2.496 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 400.000 | -2.425 | 403.000 | -2.355 | 405.000 | -2.725 | 408.000 | -2.825 |
| 410.000 | -2.675 | 415.000 | -2.825 | 419.000 | -2.874 | 420.000 | -2.574 |
| 425.000 | -2.874 | 430.000 | -2.774 | 435.000 | -2.774 | 440.000 | -3.093 |
| 445.000 | -3.173 | 450.000 | -3.173 | 455.000 | -3.173 | 460.000 | -3.172 |
| 465.000 | -3.272 | 470.000 | -3.322 | 475.000 | -3.322 | 480.000 | -3.321 |
| 485.000 | -3.321 | 490.000 | -3.321 | 495.000 | -3.321 | 500.000 | -3.420 |
| 505.000 | -3.320 | 510.000 | -3.320 | 515.000 | -3.320 | 520.000 | -3.319 |
| 525.000 | -3.319 | 530.000 | -3.369 | 535.000 | -3.369 | 540.000 | -3.368 |
| 545.000 | -3.218 | 550.000 | -3.168 | 555.000 | -3.117 | 560.000 | -3.117 |
| 565.000 | -3.067 | 570.000 | -2.967 | 575.000 | -2.916 | 580.000 | -2.866 |
| 585.000 | -2.866 | 590.000 | -2.816 | 595.000 | -2.765 | 600.000 | -2.715 |
| 605.000 | -2.665 | 610.000 | -2.665 | 615.000 | -2.664 | 620.000 | -2.624 |
| 625.000 | -2.614 | 630.000 | -2.564 | 635.000 | -2.563 | 640.000 | -2.563 |
| 645.000 | -2.563 | 650.000 | -2.413 | 655.000 | -2.312 | 660.000 | -2.162 |
| 662.290 | -2.092 | 667.290 | -1.942 | 672.290 | -1.852 | 677.290 | -1.231 |
| 685.300 | -0.361 | 682.290 | -0.661 | 687.290 | -0.131 | 689.890 | 0.419 |
| 690.790 | 0.979 | 692.280 | 1.013 | 698.280 | 0.904 | 707.280 | 0.674 |
| 722.280 | 0.314 | 735.330 | 0.305 | 737.650 | -0.037 | 738.080 | -0.747 |
| 740.330 | -0.907 | 745.330 | -1.777 | 750.000 | -2.737 | 755.000 | -3.257 |
| 760.000 | -3.637 | 765.000 | -4.037 | 770.000 | -4.237 | 775.000 | -4.687 |
| 780.000 | -4.857 | 785.000 | -4.987 | 790.000 | -5.137 | 795.000 | -5.337 |
| 800.000 | -5.517 | 805.000 | -5.637 | 810.000 | -5.737 | 815.000 | -5.937 |
| 820.000 | -5.987 | 825.000 | -5.987 | 830.000 | -5.987 | 835.000 | -5.987 |
| 840.000 | -5.957 | 845.000 | -5.937 | 850.000 | -6.087 | 855.000 | -6.087 |
| 860.000 | -6.137 | 865.000 | -6.037 | 870.000 | -5.937 | 875.000 | -5.937 |
| 880.000 | -5.857 | 885.000 | -5.657 | 890.000 | -5.537 | 895.000 | -5.737 |
| 900.000 | -5.637 | 905.000 | -5.487 | 910.000 | -5.437 | 915.000 | -5.357 |
| 920.000 | -5.307 | 925.000 | -5.357 | 930.000 | -5.387 | 935.000 | -5.487 |
| 940.000 | -5.587 | 940.780 | -5.717 | 945.780 | -4.927 | 950.480 | -4.037 |
| 955.780 | -0.337 | 956.200 | -0.037 | 957.630 | 0.618 | 960.780 | 0.538 |
| 961.280 | 0.568 | 963.280 | 0.598 | 965.780 | 3.063 | 965.780 | 3.050 |
| 969.800 | 3.020 | 972.450 | 4.290 | 972.850 | 4.580 | 973.080 | 5.200 |
| 973.080 | 5.530 | 973.250 | 5.530 | 973.250 | 5.543 | 973.390 | 5.530 |
| 973.530 | 5.210 | 973.750 | 5.190 | 976.250 | 5.140 | 978.850 | 5.070 |
| 979.120 | 4.890 | 981.650 | 5.040 | 981.860 | 5.070 | 989.880 | 1.090 |
| 990.200 | 1.090 | 990.200 | 0.760 | 990.650 | 0.760 | 990.650 | 1.070 |
| 990.850 | 1.070 | 991.050 | 1.070 | 991.050 | 1.410 | 991.200 | 1.410 |
| 991.200 | 1.260 | 991.250 | 1.260 | 991.250 | 1.080 | 991.450 | 1.080 |
| 991.450 | 1.250 | 998.250 | 1.400 | 1009.150 | 1.500 | 1009.150 | 2.910 |
| 1009.350 | 2.910 | 1009.350 | 2.200 | 1010.650 | 2.210 | 1034.950 | 2.875 |
| 1048.250 | 2.875 | | | | | | |
| 4.2km | 0.000 | | | | 295 | 56 258 | 45 265 |
| -78.000 | 1.664 | -73.000 | 1.704 | -66.600 | -1.832 | -66.000 | -2.472 |
| -65.300 | -2.512 | -65.300 | -2.972 | -65.300 | -3.692 | -60.000 | -3.692 |
| -60.000 | -2.972 | -60.000 | -2.502 | -59.200 | -2.452 | -58.600 | -1.942 |
| -58.600 | -1.802 | -57.500 | -1.022 | -53.900 | -0.902 | -52.900 | -0.682 |
| -41.600 | -0.872 | -40.400 | -0.852 | -40.300 | 0.188 | -34.700 | 0.128 |
| -19.900 | 0.417 | -18.000 | 0.417 | -17.900 | 0.367 | -17.700 | 0.207 |
| -17.700 | 0.037 | -17.250 | 0.037 | -17.250 | 0.307 | -16.950 | 0.307 |
| -16.850 | 0.321 | -14.230 | 0.347 | -14.230 | 0.647 | -13.500 | 0.687 |
| -5.920 | 4.304 | -3.100 | 4.397 | -0.320 | 4.477 | -0.200 | 4.707 |
| 0.000 | 4.718 | 0.000 | 4.702 | 0.000 | 4.718 | 0.000 | 4.702 |
| 0.120 | 4.702 | 0.120 | 5.482 | 0.620 | 5.482 | 0.620 | 3.942 |
| 0.980 | 3.592 | 4.610 | 1.832 | 7.760 | 1.732 | 9.650 | 0.746 |
| 9.950 | 0.626 | 12.750 | 0.376 | 17.750 | 0.206 | 22.750 | 0.126 |
| 27.750 | 0.076 | 32.750 | 0.067 | 37.750 | 0.057 | 42.750 | -0.163 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 44.200 | -0.323 | 47.750 | -0.653 | 52.750 | -1.153 | 57.750 | -1.573 |
| 62.750 | -2.072 | 67.750 | -2.452 | 72.750 | -2.552 | 77.750 | -2.542 |
| 80.000 | -2.501 | 85.000 | -2.421 | 90.000 | -2.341 | 95.000 | -2.321 |
| 100.000 | -2.270 | 105.000 | -2.140 | 110.000 | -2.120 | 115.000 | -2.120 |
| 120.000 | -2.069 | 125.000 | -2.099 | 130.000 | -2.119 | 135.000 | -2.118 |
| 140.000 | -2.118 | 145.000 | -2.118 | 150.000 | -2.118 | 155.000 | -2.217 |
| 160.000 | -2.217 | 165.000 | -2.217 | 170.000 | -2.267 | 175.000 | -2.316 |
| 180.000 | -2.346 | 185.000 | -2.346 | 190.000 | -2.375 | 195.000 | -2.395 |
| 200.000 | -2.415 | 205.000 | -2.415 | 210.000 | -2.344 | 215.000 | -2.244 |
| 220.000 | -2.314 | 225.000 | -2.264 | 230.000 | -2.213 | 235.000 | -2.233 |
| 240.000 | -2.143 | 245.000 | -2.113 | 250.000 | -2.062 | 255.000 | -1.932 |
| 260.000 | -1.912 | 265.000 | -1.871 | 270.000 | -1.811 | 275.000 | -1.711 |
| 280.000 | -1.581 | 285.000 | -1.330 | 290.000 | -1.290 | 295.000 | -1.260 |
| 300.000 | -1.260 | 305.000 | -1.309 | 310.000 | -1.569 | 315.000 | -1.739 |
| 320.000 | -1.959 | 325.000 | -2.208 | 330.000 | -2.358 | 335.000 | -2.488 |
| 340.000 | -2.507 | 345.000 | -2.557 | 350.000 | -2.537 | 355.000 | -2.587 |
| 360.000 | -2.506 | 365.000 | -2.506 | 370.000 | -2.536 | 375.000 | -2.536 |
| 380.000 | -2.605 | 385.000 | -2.605 | 390.000 | -2.615 | 395.000 | -2.655 |
| 400.000 | -2.604 | 405.000 | -2.604 | 410.000 | -2.534 | 415.000 | -2.453 |
| 420.000 | -2.403 | 425.000 | -2.273 | 430.000 | -2.103 | 435.000 | -2.002 |
| 440.000 | -1.902 | 445.000 | -1.802 | 450.000 | -1.782 | 455.000 | -1.721 |
| 460.000 | -1.771 | 465.000 | -1.851 | 470.000 | -2.100 | 475.000 | -2.150 |
| 480.000 | -2.330 | 485.000 | -2.520 | 490.000 | -2.799 | 495.000 | -2.999 |
| 500.000 | -3.149 | 505.000 | -3.299 | 510.000 | -3.298 | 515.000 | -3.198 |
| 520.000 | -3.598 | 525.000 | -3.498 | 527.000 | -3.397 | 530.000 | -3.697 |
| 535.000 | -3.717 | 540.000 | -3.647 | 545.000 | -3.726 | 550.000 | -3.706 |
| 555.000 | -3.816 | 560.000 | -3.846 | 565.000 | -3.895 | 570.000 | -3.945 |
| 575.000 | -3.995 | 580.000 | -3.995 | 585.000 | -3.994 | 590.000 | -4.014 |
| 595.000 | -3.994 | 600.000 | -4.014 | 605.000 | -3.993 | 610.000 | -3.943 |
| 612.000 | -3.843 | 615.000 | -3.993 | 620.000 | -3.992 | 625.000 | -3.992 |
| 630.000 | -3.972 | 635.000 | -3.892 | 640.000 | -3.911 | 645.000 | -3.871 |
| 650.000 | -3.891 | 655.000 | -3.811 | 660.000 | -3.740 | 665.000 | -3.610 |
| 670.000 | -3.490 | 675.000 | -3.360 | 680.000 | -3.289 | 685.000 | -3.139 |
| 690.000 | -2.989 | 692.870 | -2.899 | 697.870 | -1.378 | 702.870 | -0.618 |
| 704.470 | -0.508 | 704.650 | -0.288 | 704.870 | 0.237 | 705.320 | 0.397 |
| 707.870 | 0.696 | 712.870 | 0.756 | 717.870 | 0.466 | 727.870 | 0.396 |
| 737.870 | 0.357 | 747.870 | 0.347 | 757.870 | 0.317 | 767.870 | 0.287 |
| 777.870 | 0.297 | 784.870 | 0.307 | 790.930 | 0.407 | 793.500 | 0.166 |
| 793.750 | -0.089 | 793.900 | -0.359 | 795.900 | -1.109 | 800.000 | -2.309 |
| 805.000 | -3.109 | 810.000 | -3.270 | 815.000 | -3.370 | 820.000 | -3.590 |
| 825.000 | -3.241 | 830.000 | -3.391 | 835.000 | -3.521 | 840.000 | -3.591 |
| 845.000 | -3.692 | 850.000 | -3.692 | 855.000 | -3.842 | 860.000 | -3.993 |
| 865.000 | -4.193 | 870.000 | -4.293 | 875.000 | -4.494 | 880.000 | -4.714 |
| 885.000 | -4.894 | 890.000 | -5.125 | 895.000 | -5.395 | 900.000 | -5.625 |
| 905.000 | -5.846 | 910.000 | -5.926 | 915.000 | -6.096 | 920.000 | -6.347 |
| 925.000 | -6.447 | 930.000 | -6.497 | 935.000 | -6.517 | 940.000 | -6.898 |
| 945.000 | -6.878 | 950.000 | -6.768 | 955.000 | -7.049 | 960.000 | -6.899 |
| 965.000 | -6.949 | 970.000 | -6.930 | 975.000 | -6.950 | 980.000 | -6.900 |
| 985.000 | -6.821 | 990.000 | -6.601 | 995.000 | -5.101 | 1000.000 | -3.502 |
| 1002.820 | -3.352 | 1003.220 | -2.892 | 1007.820 | -0.652 | 1008.750 | -0.102 |
| 1009.120 | 0.063 | 1010.520 | 0.663 | 1013.620 | 0.543 | 1014.270 | 0.543 |
| 1015.420 | 0.503 | 1017.820 | 2.993 | 1017.820 | 2.992 | 1023.060 | 2.962 |
| 1025.660 | 4.222 | 1026.180 | 4.592 | 1026.380 | 5.192 | 1026.380 | 5.492 |
| 1026.560 | 5.492 | 1026.560 | 5.506 | 1026.710 | 5.495 | 1026.860 | 5.185 |
| 1027.110 | 5.175 | 1029.760 | 5.115 | 1032.260 | 5.055 | 1032.520 | 5.055 |
| 1032.930 | 5.065 | 1032.980 | 4.855 | 1039.770 | 1.625 | 1040.060 | 1.625 |

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 1040.060 | 1.325 | 1040.540 | 1.325 | 1040.540 | 1.805 | 1040.730 | 1.805 |
| 1040.730 | 1.725 | 1041.560 | 1.945 | 1042.760 | 2.085 | 1051.560 | 2.155 |
| 1061.060 | 2.005 | 1061.910 | 1.875 | 1068.560 | 1.975 | 1076.560 | 1.865 |
| 1091.560 | 1.865 | 1096.560 | 1.815 | 1103.560 | 1.805 | | |
| 4.4km | 0.000 | | | | 318 | 49 279 | 42 293 |
| -76.000 | 1.291 | -74.800 | 1.291 | -65.000 | 1.291 | -63.500 | 1.331 |
| -61.300 | 1.331 | -58.120 | 1.411 | -53.500 | 1.411 | -52.400 | 1.441 |
| -52.300 | 1.221 | -51.900 | 1.221 | -51.700 | 1.251 | -50.000 | 1.274 |
| -48.000 | 1.278 | -37.000 | 1.328 | -27.300 | 1.308 | -18.600 | 1.268 |
| -16.500 | 1.238 | -15.500 | 1.148 | -15.000 | 1.148 | -14.750 | 1.154 |
| -13.300 | 1.158 | -11.900 | 1.198 | -11.900 | 1.388 | -11.250 | 1.408 |
| -6.150 | 3.788 | -6.100 | 3.988 | -5.800 | 3.988 | -5.720 | 4.059 |
| -5.650 | 4.098 | -2.800 | 4.118 | -0.220 | 4.128 | -0.120 | 4.318 |
| 0.000 | 4.324 | 0.000 | 4.321 | 0.000 | 4.324 | 0.000 | 4.321 |
| 0.200 | 4.321 | 0.200 | 5.491 | 0.700 | 5.491 | 0.700 | 3.601 |
| 0.950 | 3.291 | 1.700 | 3.291 | 5.020 | 1.671 | 8.170 | 1.511 |
| 10.160 | 0.458 | 13.160 | 0.228 | 18.160 | 0.068 | 22.500 | -0.110 |
| 23.160 | -0.170 | 28.160 | -0.560 | 33.160 | -0.970 | 38.160 | -1.309 |
| 40.000 | -1.609 | 45.000 | -1.809 | 50.000 | -1.909 | 55.000 | -1.958 |
| 60.000 | -2.028 | 65.000 | -2.088 | 70.000 | -2.037 | 75.000 | -2.087 |
| 80.000 | -2.107 | 85.000 | -2.056 | 90.000 | -2.056 | 95.000 | -2.056 |
| 100.000 | -2.056 | 105.000 | -2.105 | 110.000 | -2.055 | 115.000 | -2.105 |
| 120.000 | -2.154 | 125.000 | -2.204 | 130.000 | -2.204 | 135.000 | -2.203 |
| 140.000 | -2.253 | 145.000 | -2.303 | 150.000 | -2.302 | 155.000 | -2.302 |
| 160.000 | -2.352 | 165.000 | -2.401 | 170.000 | -2.401 | 175.000 | -2.401 |
| 180.000 | -2.401 | 185.000 | -2.400 | 190.000 | -2.400 | 195.000 | -2.450 |
| 200.000 | -2.449 | 205.000 | -2.399 | 210.000 | -2.429 | 215.000 | -2.398 |
| 220.000 | -2.398 | 225.000 | -2.398 | 230.000 | -2.297 | 235.000 | -2.217 |
| 240.000 | -2.197 | 245.000 | -2.057 | 250.000 | -1.396 | 253.620 | -0.956 |
| 258.620 | -0.176 | 259.300 | -0.096 | 263.620 | 0.424 | 268.620 | 0.264 |
| 273.620 | 0.004 | 278.620 | -0.136 | 281.400 | -0.213 | 283.620 | -0.313 |
| 288.620 | -0.452 | 293.620 | -0.612 | 298.620 | -0.731 | 303.620 | -0.771 |
| 308.620 | -0.730 | 313.620 | -0.770 | 315.000 | -1.080 | 320.000 | -1.179 |
| 325.000 | -1.059 | 330.000 | -1.108 | 335.000 | -1.108 | 340.000 | -1.127 |
| 345.000 | -1.187 | 350.000 | -1.206 | 355.000 | -1.106 | 360.000 | -1.055 |
| 365.000 | -1.005 | 370.000 | -1.204 | 375.000 | -1.454 | 380.000 | -1.803 |
| 385.000 | -2.023 | 390.000 | -2.052 | 395.000 | -2.022 | 400.000 | -2.101 |
| 405.000 | -2.061 | 410.000 | -2.000 | 415.000 | -1.870 | 420.000 | -1.929 |
| 425.000 | -1.879 | 430.000 | -1.698 | 435.000 | -1.638 | 440.000 | -1.517 |
| 445.000 | -1.417 | 450.000 | -1.376 | 455.000 | -1.316 | 460.000 | -1.245 |
| 465.000 | -1.195 | 470.000 | -1.174 | 475.000 | -1.194 | 480.000 | -1.224 |
| 485.000 | -1.493 | 490.000 | -1.593 | 495.000 | -1.592 | 500.000 | -1.892 |
| 505.000 | -1.891 | 510.000 | -2.091 | 515.000 | -2.290 | 520.000 | -2.390 |
| 525.000 | -2.489 | 530.000 | -2.689 | 535.000 | -2.788 | 540.000 | -2.988 |
| 545.000 | -3.087 | 550.000 | -3.037 | 555.000 | -3.386 | 560.000 | -3.366 |
| 565.000 | -3.685 | 570.000 | -3.785 | 575.000 | -3.934 | 580.000 | -4.134 |
| 585.000 | -4.183 | 590.000 | -4.133 | 595.000 | -4.332 | 600.000 | -4.362 |
| 605.000 | -4.381 | 610.000 | -4.481 | 615.000 | -4.530 | 620.000 | -4.580 |
| 625.000 | -4.579 | 630.000 | -4.699 | 635.000 | -4.698 | 640.000 | -4.778 |
| 645.000 | -4.777 | 650.000 | -4.737 | 655.000 | -4.746 | 660.000 | -4.756 |
| 665.000 | -4.755 | 670.000 | -4.725 | 675.000 | -4.674 | 680.000 | -4.624 |
| 685.000 | -4.493 | 690.000 | -4.573 | 695.000 | -4.572 | 700.000 | -4.292 |
| 705.000 | -4.171 | 710.000 | -3.871 | 715.000 | -3.621 | 717.420 | -3.690 |
| 722.420 | -2.130 | 727.420 | -0.469 | 727.720 | -0.429 | 728.020 | -0.249 |
| 728.300 | -0.169 | 730.670 | 0.156 | 730.970 | 0.386 | 731.120 | 0.716 |
| 732.420 | 0.761 | 736.920 | 0.701 | 742.420 | 0.391 | 752.420 | 0.300 |

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 762.420 | 0.310 | 772.420 | 0.340 | 782.420 | 0.390 | 792.420 | 0.380 |
| 802.420 | 0.430 | 811.420 | 0.300 | 816.090 | 0.320 | 816.090 | 0.317 |
| 816.090 | 0.464 | 818.760 | -0.296 | 819.060 | -0.876 | 821.060 | -1.016 |
| 826.060 | -1.896 | 830.000 | -2.786 | 835.000 | -2.786 | 840.000 | -2.936 |
| 845.000 | -2.936 | 850.000 | -2.936 | 855.000 | -2.886 | 860.000 | -2.886 |
| 865.000 | -2.736 | 870.000 | -2.696 | 875.000 | -2.736 | 880.000 | -2.636 |
| 885.000 | -2.636 | 890.000 | -2.636 | 895.000 | -2.636 | 900.000 | -2.706 |
| 905.000 | -2.636 | 910.000 | -2.786 | 915.000 | -2.736 | 920.000 | -2.856 |
| 925.000 | -3.016 | 930.000 | -2.936 | 935.000 | -2.936 | 940.000 | -3.236 |
| 945.000 | -3.186 | 950.000 | -3.236 | 955.000 | -3.236 | 960.000 | -3.336 |
| 965.000 | -3.486 | 970.000 | -3.636 | 975.000 | -3.786 | 980.000 | -3.836 |
| 985.000 | -3.916 | 990.000 | -4.016 | 995.000 | -4.146 | 1000.000 | -4.286 |
| 1005.000 | -4.386 | 1010.000 | -4.556 | 1015.000 | -4.756 | 1020.000 | -5.006 |
| 1025.000 | -5.306 | 1030.000 | -5.536 | 1035.000 | -5.756 | 1040.000 | -5.936 |
| 1045.000 | -6.136 | 1050.000 | -6.286 | 1055.000 | -6.356 | 1060.000 | -6.456 |
| 1065.000 | -6.576 | 1070.000 | -6.656 | 1075.000 | -6.656 | 1080.000 | -6.736 |
| 1085.000 | -6.836 | 1090.000 | -7.036 | 1095.000 | -6.686 | 1100.000 | -6.136 |
| 1105.000 | -5.336 | 1110.000 | -4.656 | 1115.000 | -3.936 | 1120.000 | -3.336 |
| 1122.440 | -3.186 | 1127.440 | -2.296 | 1132.440 | -1.086 | 1137.440 | -0.606 |
| 1139.090 | -0.436 | 1139.090 | -0.176 | 1139.940 | -0.176 | 1140.700 | 0.464 |
| 1142.440 | 1.954 | 1142.440 | 1.950 | 1145.780 | 1.960 | 1145.960 | 2.200 |
| 1145.960 | 5.110 | 1146.180 | 5.110 | 1146.180 | 5.116 | 1146.400 | 5.105 |
| 1146.430 | 3.725 | 1150.680 | 3.365 | 1154.970 | 3.055 | 1155.380 | 3.025 |
| 1155.380 | 2.095 | 1155.480 | 2.095 | 1157.730 | 2.155 | 1169.140 | 2.264 |
| 1171.510 | 2.144 | 1172.080 | 2.144 | 1175.580 | 2.234 | 1179.230 | 2.244 |
| 1179.780 | 2.244 | 1179.980 | 2.264 | 1180.080 | 2.494 | 1180.830 | 2.584 |
| 1191.230 | 2.824 | 1192.180 | 2.824 | 1192.180 | 3.024 | 1192.380 | 3.024 |
| 1192.380 | 2.854 | 1195.480 | 2.854 | 1204.180 | 2.834 | 1213.880 | 2.914 |
| 1216.180 | 2.914 | 1221.180 | 2.914 | | | | |
| 4.6km | 0.000 | | | | 326 | 33 271 | 31 297 |
| -75.000 | -2.646 | -73.700 | -2.616 | -72.500 | -2.276 | -71.500 | -1.806 |
| -70.000 | -1.176 | -63.200 | -1.086 | -61.600 | 0.094 | -42.400 | 0.194 |
| -42.000 | 0.194 | -32.000 | 0.104 | -23.650 | 0.114 | -23.650 | 0.114 |
| -23.120 | 0.114 | -18.400 | -0.007 | -13.680 | 0.033 | -13.680 | 0.333 |
| -13.030 | 0.343 | -5.700 | 3.998 | -5.650 | 4.033 | -2.900 | 4.113 |
| -0.230 | 4.153 | -0.130 | 4.343 | 0.000 | 4.345 | 0.000 | 4.339 |
| 0.000 | 4.345 | 0.000 | 4.339 | 0.190 | 4.339 | 0.190 | 5.279 |
| 0.690 | 5.279 | 0.690 | 3.629 | 1.170 | 3.139 | 4.280 | 1.669 |
| 7.410 | 1.589 | 9.950 | 0.235 | 12.400 | 0.025 | 17.400 | -0.025 |
| 22.400 | -0.065 | 23.000 | -0.087 | 27.400 | -0.267 | 32.400 | -0.847 |
| 37.400 | -1.127 | 40.000 | -1.517 | 45.000 | -1.687 | 50.000 | -1.736 |
| 55.000 | -1.786 | 60.000 | -1.906 | 65.000 | -2.006 | 70.000 | -2.086 |
| 75.000 | -2.186 | 80.000 | -2.186 | 85.000 | -2.166 | 90.000 | -2.236 |
| 95.000 | -2.335 | 100.000 | -2.285 | 105.000 | -2.435 | 110.000 | -2.435 |
| 115.000 | -2.505 | 120.000 | -2.585 | 125.000 | -2.585 | 130.000 | -2.495 |
| 135.000 | -2.485 | 140.000 | -2.505 | 145.000 | -2.584 | 150.000 | -2.564 |
| 155.000 | -2.564 | 160.000 | -2.444 | 165.000 | -2.504 | 170.000 | -2.504 |
| 175.000 | -2.434 | 180.000 | -2.334 | 185.000 | -2.334 | 190.000 | -2.383 |
| 195.000 | -2.333 | 200.000 | -2.283 | 205.000 | -2.283 | 210.000 | -2.203 |
| 215.000 | -2.203 | 220.000 | -2.183 | 225.000 | -1.933 | 230.000 | -1.183 |
| 235.000 | -1.302 | 240.000 | -1.582 | 245.000 | -1.622 | 247.720 | -1.592 |
| 252.720 | -0.972 | 257.720 | -0.362 | 260.700 | -0.082 | 262.720 | 0.148 |
| 267.720 | 0.606 | 277.720 | 0.556 | 287.720 | 0.446 | 297.720 | 0.136 |
| 307.720 | -0.124 | 317.720 | -0.784 | 322.720 | -1.234 | 327.720 | -1.064 |
| 332.720 | -0.904 | 337.720 | -0.884 | 342.720 | -0.864 | 347.720 | -0.904 |
| 352.720 | -0.894 | 357.720 | -0.694 | 367.720 | -0.534 | 377.720 | -0.474 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 387.720 | -0.154 | 397.720 | 0.156 | 406.720 | 0.286 | 411.780 | 0.356 |
| 415.210 | 0.007 | 415.800 | -0.115 | 416.710 | -0.325 | 421.710 | -0.915 |
| 426.710 | -1.424 | 430.000 | -1.434 | 435.000 | -1.513 | 440.000 | -1.412 |
| 445.000 | -1.462 | 450.000 | -1.411 | 455.000 | -1.361 | 460.000 | -1.510 |
| 465.000 | -1.509 | 470.000 | -1.409 | 475.000 | -1.608 | 480.000 | -1.647 |
| 485.000 | -1.687 | 490.000 | -1.706 | 495.000 | -1.806 | 500.000 | -1.905 |
| 505.000 | -1.954 | 510.000 | -1.954 | 515.000 | -2.103 | 520.000 | -2.173 |
| 525.000 | -2.202 | 530.000 | -2.321 | 535.000 | -2.421 | 540.000 | -2.420 |
| 545.000 | -2.499 | 550.000 | -2.599 | 555.000 | -2.618 | 560.000 | -2.718 |
| 565.000 | -2.817 | 570.000 | -2.896 | 575.000 | -2.996 | 580.000 | -3.095 |
| 585.000 | -3.274 | 590.000 | -3.394 | 595.000 | -3.493 | 600.010 | -3.743 |
| 605.010 | -4.112 | 610.010 | -4.211 | 615.010 | -4.291 | 620.010 | -4.340 |
| 625.010 | -4.450 | 630.010 | -4.639 | 635.010 | -4.838 | 640.010 | -4.988 |
| 645.010 | -5.087 | 650.010 | -5.116 | 655.010 | -5.286 | 660.010 | -5.335 |
| 665.010 | -5.385 | 670.010 | -5.434 | 675.010 | -5.483 | 680.010 | -5.483 |
| 685.010 | -5.482 | 690.010 | -5.382 | 695.010 | -5.281 | 700.010 | -5.080 |
| 705.010 | -4.900 | 710.010 | -4.679 | 715.010 | -4.378 | 720.010 | -4.078 |
| 723.580 | -4.017 | 728.580 | -3.667 | 733.580 | -3.366 | 738.580 | -2.686 |
| 743.580 | -1.095 | 746.480 | -0.315 | 746.860 | -0.074 | 746.980 | 0.031 |
| 746.980 | 0.381 | 747.080 | 0.551 | 748.580 | 0.611 | 758.580 | 0.470 |
| 768.580 | 0.260 | 778.580 | 0.360 | 788.580 | 0.390 | 798.580 | 0.380 |
| 808.580 | 0.410 | 818.580 | 0.330 | 823.580 | 0.380 | 823.580 | 0.382 |
| 823.580 | 0.475 | 828.590 | -0.195 | 833.590 | -0.694 | 835.010 | -0.724 |
| 840.010 | -1.224 | 845.010 | -1.724 | 850.010 | -1.844 | 855.010 | -1.923 |
| 860.010 | -2.003 | 865.010 | -2.023 | 870.010 | -2.123 | 875.010 | -2.123 |
| 880.010 | -2.092 | 885.010 | -2.122 | 890.010 | -2.172 | 895.010 | -2.222 |
| 900.010 | -2.222 | 905.010 | -2.321 | 910.010 | -2.321 | 915.010 | -2.321 |
| 920.010 | -2.421 | 925.010 | -2.581 | 930.010 | -2.660 | 935.010 | -2.670 |
| 940.010 | -2.740 | 945.010 | -2.770 | 950.010 | -2.920 | 955.010 | -2.939 |
| 960.010 | -2.989 | 965.010 | -3.039 | 970.010 | -3.139 | 975.010 | -3.179 |
| 980.010 | -3.298 | 985.010 | -3.318 | 990.010 | -3.418 | 995.010 | -3.458 |
| 1000.010 | -3.548 | 1005.010 | -3.577 | 1010.010 | -3.737 | 1015.010 | -3.817 |
| 1020.010 | -3.847 | 1025.010 | -3.927 | 1030.010 | -4.016 | 1035.010 | -4.046 |
| 1040.010 | -4.116 | 1045.010 | -4.136 | 1050.010 | -4.216 | 1055.010 | -4.265 |
| 1060.010 | -4.315 | 1065.010 | -4.365 | 1070.010 | -4.365 | 1075.010 | -4.365 |
| 1080.010 | -4.314 | 1085.010 | -4.314 | 1090.010 | -4.264 | 1095.010 | -4.214 |
| 1100.010 | -4.214 | 1105.010 | -4.163 | 1110.010 | -4.173 | 1115.010 | -4.213 |
| 1120.010 | -4.313 | 1125.010 | -4.413 | 1130.010 | -4.462 | 1135.010 | -4.532 |
| 1140.010 | -4.662 | 1145.010 | -4.812 | 1150.010 | -4.832 | 1155.010 | -4.911 |
| 1160.010 | -5.111 | 1163.330 | -5.201 | 1168.330 | -5.261 | 1173.330 | -5.181 |
| 1178.330 | -4.590 | 1183.330 | -3.000 | 1184.230 | -2.740 | 1188.330 | -0.140 |
| 1189.230 | 0.220 | 1189.810 | 0.490 | 1189.930 | 0.520 | 1195.330 | 0.570 |
| 1198.330 | 2.220 | 1198.330 | 2.207 | 1198.550 | 2.207 | 1205.480 | 2.287 |
| 1211.980 | 2.227 | 1217.080 | 2.268 | 1221.130 | 4.038 | 1221.480 | 4.058 |
| 1223.980 | 4.258 | 1225.910 | 4.378 | 1226.880 | 4.418 | 1230.680 | 2.518 |
| 1230.680 | 2.618 | 1231.080 | 2.468 | 1231.080 | 2.348 | 1231.380 | 2.348 |
| 1231.380 | 2.168 | 1231.780 | 2.168 | 1231.780 | 2.038 | 1233.580 | 2.178 |
| 1233.750 | 2.348 | 1233.750 | 4.978 | 1233.980 | 4.978 | 1233.980 | 4.982 |
| 1234.170 | 4.969 | 1234.170 | 4.339 | 1243.830 | 3.899 | 1251.980 | 3.509 |
| 1253.030 | 3.469 | 1253.430 | 3.459 | 1253.770 | 3.439 | 1253.770 | 3.819 |
| 1253.980 | 3.819 | 1254.250 | 3.819 | 1254.250 | 3.199 | 1254.480 | 3.199 |
| 1254.480 | 1.709 | 1254.480 | -0.349 | 1254.480 | -2.639 | 1254.980 | -2.669 |
| 1260.780 | -2.649 | 1260.780 | -0.349 | 1260.780 | 3.561 | 1261.330 | 3.561 |
| 1261.330 | 2.411 | 1261.980 | 2.411 | 1267.720 | 2.411 | 1269.580 | 2.261 |
| 1280.130 | 2.091 | 1282.860 | 2.091 | 1283.860 | 2.091 | 1283.860 | 2.611 |
| 1284.210 | 2.611 | 1308.980 | 2.611 | | | | |

S59横断データ (-0.6~56.2). dat

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|---------|--------|---------|--------|---------|--------|---------|-----|--------|-----|
| 4.8km | 0.000 | | | | 322 | 63 | 285 | 49 | 293 |
| -80.000 | -1.461 | -70.000 | -1.571 | -50.200 | -1.441 | -50.200 | | -1.271 | |
| -49.950 | -1.271 | -49.950 | -1.491 | -48.700 | -1.451 | -44.900 | | -1.521 | |
| -44.700 | -1.521 | -43.500 | -2.121 | -42.200 | -2.121 | -42.200 | | -2.801 | |
| -42.200 | -4.111 | -35.800 | -4.111 | -35.800 | -2.801 | -35.800 | | 0.172 | |
| -35.500 | 0.162 | -34.000 | 0.182 | -33.100 | 0.182 | -33.100 | | 0.262 | |
| -32.950 | 0.262 | -21.550 | 0.402 | -21.400 | 0.402 | -21.250 | | 0.332 | |
| -21.180 | 0.332 | -21.100 | 0.332 | -20.900 | 0.332 | -17.380 | | 0.332 | |
| -17.070 | 0.332 | -13.980 | 1.908 | -13.800 | 1.912 | -10.200 | | 1.982 | |
| -9.880 | 1.972 | -9.880 | 2.272 | -9.230 | 2.292 | -5.820 | | 4.062 | |
| -5.810 | 4.147 | -3.000 | 4.232 | -0.250 | 4.222 | -0.150 | | 4.432 | |
| 0.000 | 4.440 | 0.000 | 4.431 | 0.000 | 4.440 | 0.000 | | 4.431 | |
| 0.150 | 4.431 | 0.150 | 5.221 | 0.650 | 5.221 | 0.650 | | 3.751 | |
| 1.080 | 3.341 | 9.000 | 3.141 | 15.550 | 2.941 | 15.900 | | 2.941 | |
| 17.300 | 2.901 | 20.100 | 1.391 | 20.830 | 1.401 | 22.670 | | 1.416 | |
| 24.220 | 0.656 | 24.670 | 0.306 | 26.920 | 0.466 | 30.820 | | 0.466 | |
| 35.820 | 0.506 | 40.820 | 0.616 | 42.320 | 0.536 | 45.820 | | 0.206 | |
| 47.700 | -0.063 | 50.820 | -0.483 | 55.820 | -1.422 | 60.820 | | -2.262 | |
| 65.000 | -2.442 | 70.000 | -2.512 | 75.000 | -2.582 | 80.000 | | -2.681 | |
| 85.000 | -2.711 | 90.000 | -2.761 | 95.000 | -2.821 | 100.000 | | -2.880 | |
| 105.000 | -2.940 | 110.000 | -2.960 | 115.000 | -3.060 | 120.000 | | -3.109 | |
| 125.000 | -3.109 | 130.000 | -3.159 | 135.000 | -3.159 | 140.000 | | -3.109 | |
| 145.000 | -3.128 | 150.000 | -3.108 | 155.000 | -3.058 | 160.000 | | -3.018 | |
| 165.000 | -2.937 | 170.000 | -2.817 | 175.000 | -2.757 | 180.000 | | -2.557 | |
| 185.000 | -2.506 | 190.000 | -2.336 | 195.000 | -2.256 | 200.000 | | -2.056 | |
| 205.000 | -1.856 | 210.000 | -1.875 | 212.750 | -1.905 | 217.750 | | -1.585 | |
| 222.750 | -1.225 | 227.750 | -0.725 | 232.750 | -0.224 | 234.000 | | -0.054 | |
| 237.750 | 0.488 | 247.750 | 0.258 | 257.750 | 0.148 | 267.750 | | -0.092 | |
| 277.750 | -0.182 | 287.750 | -0.302 | 297.750 | -0.402 | 307.750 | | -0.442 | |
| 317.750 | -0.432 | 327.750 | -0.542 | 337.750 | -0.602 | 348.450 | | -0.402 | |
| 351.750 | -0.632 | 355.750 | -0.312 | 358.750 | -0.352 | 362.750 | | -0.152 | |
| 367.750 | -0.322 | 370.750 | -0.122 | 377.750 | -0.202 | 387.750 | | -0.082 | |
| 397.750 | -0.082 | 407.750 | 0.178 | 416.120 | 0.268 | 418.370 | | 0.088 | |
| 420.550 | -0.140 | 421.070 | -0.180 | 426.070 | -0.540 | 431.070 | | -0.740 | |
| 436.070 | -0.900 | 440.000 | -0.990 | 445.000 | -0.940 | 450.000 | | -1.040 | |
| 455.000 | -1.160 | 460.000 | -1.241 | 465.000 | -1.341 | 470.000 | | -1.461 | |
| 475.000 | -1.541 | 480.000 | -1.591 | 485.000 | -1.691 | 490.000 | | -1.741 | |
| 495.000 | -1.841 | 500.000 | -1.991 | 505.000 | -1.992 | 510.000 | | -2.042 | |
| 515.000 | -2.142 | 520.000 | -2.242 | 525.000 | -2.262 | 530.000 | | -2.362 | |
| 535.000 | -2.392 | 540.000 | -2.492 | 545.000 | -2.542 | 550.000 | | -2.563 | |
| 555.000 | -2.743 | 560.000 | -2.763 | 565.000 | -2.793 | 570.000 | | -2.993 | |
| 575.000 | -3.143 | 580.000 | -3.163 | 585.000 | -3.243 | 590.000 | | -3.344 | |
| 595.000 | -3.394 | 600.000 | -3.444 | 605.000 | -3.464 | 610.000 | | -3.554 | |
| 615.000 | -3.704 | 620.000 | -3.764 | 625.000 | -3.844 | 630.000 | | -3.924 | |
| 635.000 | -4.145 | 640.000 | -4.245 | 645.000 | -4.345 | 650.000 | | -4.445 | |
| 655.000 | -4.645 | 660.000 | -4.745 | 665.000 | -4.865 | 670.000 | | -5.145 | |
| 675.000 | -5.165 | 680.000 | -5.346 | 685.000 | -5.396 | 690.000 | | -5.466 | |
| 695.000 | -5.646 | 700.000 | -5.646 | 705.000 | -5.666 | 710.000 | | -5.666 | |
| 715.000 | -5.646 | 720.000 | -5.597 | 725.000 | -5.447 | 730.000 | | -5.247 | |
| 735.000 | -4.707 | 740.000 | -4.147 | 745.000 | -3.047 | 750.000 | | -1.767 | |
| 752.770 | -1.127 | 757.770 | -0.417 | 759.320 | -0.227 | 759.600 | | -0.147 | |
| 760.770 | 0.113 | 761.470 | 0.693 | 762.770 | 0.717 | 766.770 | | 0.837 | |
| 773.770 | 0.477 | 782.770 | 0.297 | 795.770 | 0.077 | 807.170 | | -0.153 | |
| 815.770 | -0.023 | 822.770 | -0.013 | 830.770 | 0.147 | 838.770 | | 0.217 | |
| 845.920 | 0.397 | 845.920 | 0.398 | 845.920 | 0.513 | 848.740 | | 0.063 | |
| 850.940 | -0.597 | 855.940 | -0.817 | 860.000 | -1.236 | 865.000 | | -1.486 | |

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 870.000 | -1.666 | 875.000 | -1.786 | 880.000 | -1.885 | 885.000 | -1.935 |
| 890.000 | -1.985 | 895.000 | -2.005 | 900.000 | -2.084 | 905.000 | -2.184 |
| 910.000 | -2.184 | 915.000 | -2.283 | 920.000 | -2.303 | 925.000 | -2.433 |
| 930.000 | -2.503 | 935.000 | -2.602 | 940.000 | -2.752 | 945.000 | -2.782 |
| 950.000 | -2.882 | 955.000 | -2.981 | 960.000 | -3.101 | 965.000 | -3.181 |
| 970.000 | -3.281 | 975.000 | -3.380 | 980.000 | -3.480 | 985.000 | -3.510 |
| 990.000 | -3.579 | 995.000 | -3.679 | 1000.000 | -3.779 | 1005.000 | -3.829 |
| 1010.000 | -3.978 | 1015.000 | -4.158 | 1020.000 | -4.178 | 1025.000 | -4.278 |
| 1030.000 | -4.377 | 1035.000 | -4.427 | 1040.000 | -4.577 | 1045.000 | -4.727 |
| 1050.000 | -4.876 | 1055.000 | -4.976 | 1060.000 | -5.046 | 1065.000 | -5.175 |
| 1070.000 | -5.175 | 1075.000 | -5.195 | 1080.000 | -5.225 | 1085.000 | -5.244 |
| 1090.000 | -5.224 | 1095.000 | -5.224 | 1100.000 | -5.174 | 1105.000 | -5.173 |
| 1110.000 | -5.123 | 1115.000 | -5.093 | 1120.000 | -5.033 | 1125.000 | -4.972 |
| 1130.000 | -4.902 | 1135.000 | -4.872 | 1140.000 | -4.841 | 1145.000 | -4.821 |
| 1150.000 | -4.791 | 1155.000 | -4.771 | 1160.000 | -4.790 | 1164.770 | -4.810 |
| 1169.770 | -4.210 | 1174.770 | -3.530 | 1177.470 | -2.409 | 1179.770 | -0.969 |
| 1182.070 | -0.389 | 1184.270 | -0.129 | 1184.720 | -0.109 | 1185.570 | 0.271 |
| 1186.100 | 0.531 | 1189.770 | 2.231 | 1189.770 | 2.215 | 1193.380 | 2.225 |
| 1196.960 | 3.845 | 1197.370 | 4.255 | 1197.510 | 4.815 | 1197.510 | 5.115 |
| 1197.670 | 5.115 | 1197.670 | 5.116 | 1197.810 | 5.113 | 1197.950 | 4.823 |
| 1198.200 | 4.813 | 1203.520 | 4.723 | 1208.820 | 4.573 | 1209.130 | 4.573 |
| 1209.220 | 4.263 | 1211.950 | 4.203 | 1212.250 | 4.203 | 1212.490 | 3.393 |
| 1212.620 | 3.393 | 1212.620 | 3.093 | 1212.920 | 3.093 | 1212.920 | 3.353 |
| 1213.420 | 3.583 | 1213.820 | 3.623 | 1231.070 | 3.454 | 1231.570 | 3.533 |
| 1234.070 | 3.453 | 1237.670 | 3.473 | 1247.670 | 3.503 | 1257.670 | 3.503 |
| 1267.670 | 3.433 | 1275.170 | 3.423 | | | | |
| 5.0km | 0.000 | | | | 346 | 56 273 | 47 286 |
| -75.000 | -1.888 | -60.000 | -1.858 | -45.000 | -1.798 | -44.700 | -1.688 |
| -44.000 | -1.648 | -43.250 | -2.008 | -43.130 | -2.008 | -43.130 | -2.148 |
| -42.800 | -2.408 | -42.050 | -2.408 | -42.050 | -2.748 | -42.050 | -3.728 |
| -41.000 | -3.958 | -37.700 | -3.658 | -37.700 | -2.748 | -37.700 | -2.418 |
| -36.900 | -2.418 | -36.600 | -2.148 | -36.600 | -2.008 | -36.400 | -2.008 |
| -36.000 | -1.688 | -35.700 | -1.558 | -34.700 | -1.348 | -32.500 | 0.062 |
| -22.000 | -0.058 | -21.300 | -0.078 | -17.800 | -0.168 | -16.920 | 0.188 |
| -13.900 | 0.201 | -13.900 | 0.231 | -13.500 | 0.251 | -6.200 | 3.881 |
| -6.120 | 4.101 | -5.750 | 4.111 | -5.660 | 4.165 | -2.900 | 4.241 |
| -0.230 | 4.271 | -0.130 | 4.471 | 0.000 | 4.480 | 0.000 | 4.475 |
| 0.000 | 4.480 | 0.000 | 4.475 | 0.190 | 4.475 | 0.190 | 5.285 |
| 0.690 | 5.285 | 0.690 | 3.745 | 1.200 | 3.285 | 4.220 | 1.755 |
| 7.460 | 1.635 | 9.070 | 0.748 | 10.170 | 0.588 | 12.470 | 0.388 |
| 17.470 | 0.178 | 20.200 | -0.052 | 22.470 | -0.222 | 23.470 | -0.922 |
| 27.470 | -1.492 | 32.470 | -2.082 | 35.000 | -2.252 | 40.000 | -2.352 |
| 45.000 | -2.412 | 50.000 | -2.452 | 55.000 | -2.502 | 60.000 | -2.472 |
| 65.000 | -2.452 | 70.000 | -2.482 | 75.000 | -2.552 | 80.000 | -2.552 |
| 85.000 | -2.632 | 90.000 | -2.652 | 95.000 | -2.702 | 100.000 | -2.672 |
| 105.000 | -2.681 | 110.000 | -2.751 | 115.000 | -2.771 | 120.000 | -2.851 |
| 125.000 | -2.751 | 130.000 | -2.751 | 135.000 | -2.751 | 140.000 | -2.731 |
| 145.000 | -2.651 | 150.000 | -2.631 | 155.000 | -2.601 | 160.000 | -2.471 |
| 165.000 | -2.451 | 170.000 | -2.371 | 175.000 | -2.281 | 180.000 | -2.151 |
| 185.000 | -2.071 | 190.000 | -1.951 | 195.000 | -1.751 | 200.000 | -1.551 |
| 201.380 | -1.571 | 206.380 | -1.171 | 211.380 | -0.771 | 216.380 | -0.481 |
| 219.380 | -0.241 | 221.380 | -0.061 | 226.380 | -0.091 | 231.380 | -0.271 |
| 236.380 | -0.331 | 241.380 | -0.311 | 246.380 | -0.241 | 251.380 | -0.191 |
| 256.380 | -0.100 | 259.800 | -0.050 | 261.380 | 0.010 | 266.380 | 0.290 |
| 269.680 | 0.630 | 271.380 | 0.743 | 273.380 | 0.473 | 276.380 | 0.483 |
| 280.380 | 0.883 | 291.380 | 0.762 | 301.380 | 0.582 | 311.380 | 0.112 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 321.380 | -0.078 | 331.380 | -0.238 | 341.380 | -0.368 | 351.380 | -0.548 |
| 361.380 | -0.458 | 371.380 | -0.348 | 375.380 | -0.218 | 381.380 | -0.338 |
| 391.380 | -0.198 | 401.380 | -0.148 | 411.380 | 0.142 | 418.380 | 0.472 |
| 422.660 | 0.342 | 427.630 | -0.049 | 429.350 | -0.169 | 432.630 | -0.399 |
| 437.630 | -0.729 | 442.630 | -1.069 | 445.000 | -1.269 | 450.000 | -1.369 |
| 455.000 | -1.469 | 460.000 | -1.669 | 465.000 | -1.869 | 470.000 | -2.069 |
| 475.000 | -2.039 | 480.000 | -2.169 | 485.000 | -2.318 | 490.000 | -2.388 |
| 495.000 | -2.568 | 500.000 | -2.568 | 505.000 | -2.748 | 510.000 | -2.768 |
| 515.000 | -2.868 | 520.000 | -2.968 | 525.000 | -3.128 | 530.000 | -3.168 |
| 535.000 | -3.168 | 540.000 | -3.218 | 545.000 | -3.168 | 550.000 | -3.268 |
| 555.000 | -3.388 | 560.000 | -3.418 | 565.000 | -3.488 | 570.000 | -3.538 |
| 575.000 | -3.568 | 580.000 | -3.668 | 585.000 | -3.688 | 590.000 | -3.688 |
| 595.000 | -3.728 | 600.000 | -3.818 | 605.000 | -3.788 | 610.000 | -3.868 |
| 615.000 | -3.968 | 620.000 | -4.118 | 625.000 | -4.268 | 630.000 | -4.368 |
| 635.000 | -4.388 | 640.000 | -4.488 | 645.000 | -4.628 | 650.000 | -4.698 |
| 655.000 | -4.868 | 660.000 | -5.068 | 665.000 | -5.248 | 670.000 | -5.468 |
| 675.000 | -5.718 | 680.000 | -5.868 | 685.000 | -6.168 | 690.000 | -6.388 |
| 695.000 | -6.368 | 700.000 | -6.487 | 705.000 | -6.567 | 710.000 | -6.567 |
| 713.000 | -6.617 | 715.000 | -6.467 | 717.650 | -6.777 | 722.650 | -5.847 |
| 727.650 | -4.137 | 732.650 | -1.957 | 737.640 | -0.887 | 742.640 | -0.347 |
| 744.800 | -0.167 | 745.490 | -0.097 | 750.040 | 0.523 | 752.640 | 0.750 |
| 755.140 | 0.870 | 759.640 | 0.600 | 770.640 | 0.350 | 782.640 | 0.300 |
| 792.640 | 0.260 | 802.640 | 0.250 | 812.640 | 0.260 | 822.640 | 0.220 |
| 828.640 | 0.060 | 834.640 | -0.110 | 842.640 | -0.110 | 852.640 | -0.080 |
| 859.640 | 0.160 | 863.810 | 0.260 | 863.810 | 0.264 | 863.810 | 0.524 |
| 867.650 | -0.146 | 868.850 | -0.406 | 873.850 | -0.866 | 878.850 | -1.306 |
| 880.000 | -1.476 | 885.000 | -1.596 | 890.000 | -1.775 | 895.000 | -1.975 |
| 900.000 | -2.175 | 905.000 | -2.295 | 910.000 | -2.474 | 915.000 | -2.604 |
| 920.000 | -2.724 | 925.000 | -2.874 | 930.000 | -3.093 | 935.000 | -3.193 |
| 940.000 | -3.253 | 945.000 | -3.333 | 950.000 | -3.423 | 955.000 | -3.572 |
| 960.000 | -3.672 | 965.000 | -3.732 | 970.000 | -3.872 | 975.000 | -3.971 |
| 980.000 | -4.071 | 985.000 | -4.171 | 990.000 | -4.221 | 995.000 | -4.371 |
| 1000.000 | -4.470 | 1005.000 | -4.570 | 1010.000 | -4.750 | 1015.000 | -4.790 |
| 1020.000 | -5.019 | 1025.000 | -5.169 | 1030.000 | -5.269 | 1035.000 | -5.469 |
| 1040.000 | -5.618 | 1045.000 | -5.768 | 1050.000 | -5.868 | 1055.000 | -6.068 |
| 1060.000 | -6.148 | 1065.000 | -6.237 | 1070.000 | -6.367 | 1075.000 | -6.407 |
| 1080.000 | -6.467 | 1085.000 | -6.516 | 1090.000 | -6.666 | 1095.000 | -6.866 |
| 1100.000 | -7.046 | 1105.000 | -6.896 | 1110.000 | -5.965 | 1115.000 | -4.165 |
| 1120.000 | -2.465 | 1122.820 | -2.105 | 1125.320 | -1.565 | 1130.320 | -1.074 |
| 1135.320 | -0.544 | 1138.020 | -0.664 | 1140.320 | -0.734 | 1145.320 | -1.134 |
| 1150.320 | -0.463 | 1155.320 | 0.017 | 1159.320 | 0.337 | 1160.800 | 0.537 |
| 1161.920 | 0.687 | 1165.320 | 2.147 | 1165.320 | 2.497 | 1165.320 | 2.496 |
| 1165.640 | 2.496 | 1169.370 | 4.876 | 1169.690 | 4.876 | 1173.040 | 4.896 |
| 1173.040 | 5.046 | 1173.190 | 5.046 | 1173.190 | 5.058 | 1173.340 | 5.045 |
| 1173.490 | 4.745 | 1173.740 | 4.745 | 1178.990 | 4.705 | 1184.190 | 4.635 |
| 1184.520 | 4.635 | 1184.870 | 4.645 | 1184.940 | 4.455 | 1190.410 | 1.875 |
| 1190.690 | 1.855 | 1190.690 | 1.555 | 1190.990 | 1.555 | 1190.990 | 1.855 |
| 1191.090 | 1.855 | 1191.490 | 2.125 | 1193.290 | 2.175 | 1193.440 | 2.175 |
| 1193.440 | 2.335 | 1194.590 | 2.395 | 1205.790 | 2.365 | 1207.390 | 2.365 |
| 1207.390 | 2.139 | 1207.640 | 2.136 | 1207.790 | 1.346 | 1207.790 | 1.106 |
| 1208.040 | 1.106 | 1208.040 | 1.346 | 1212.490 | 1.366 | 1212.490 | 1.116 |
| 1212.740 | 1.116 | 1212.740 | 1.366 | 1212.790 | 1.366 | 1214.690 | 1.516 |
| 1218.390 | 1.526 | 1219.490 | 1.536 | 1219.690 | 1.746 | 1221.790 | 1.736 |
| 1221.790 | 1.546 | 1222.790 | 1.546 | 1226.590 | 1.546 | 1227.190 | 1.546 |
| 1227.190 | 0.996 | 1227.490 | 0.996 | 1229.490 | 0.996 | 1236.390 | 0.926 |
| 1236.390 | 0.086 | 1241.490 | -0.124 | 1241.590 | -0.124 | 1241.990 | -0.124 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 1242.190 | -0.074 | 1243.890 | -0.024 | 1246.090 | -0.144 | 1246.490 | -0.144 |
| 1246.690 | -0.074 | 1250.190 | 0.006 | | | | |
| 5.2km | 0.000 | | | | 312 | 50 265 | 46 278 |
| -78.000 | -0.747 | -70.000 | -0.647 | -60.000 | -0.587 | -50.000 | -0.517 |
| -46.800 | -0.567 | -45.600 | -1.467 | -44.100 | -1.547 | -43.250 | -1.997 |
| -43.150 | -1.997 | -43.150 | -2.137 | -42.930 | -2.407 | -42.200 | -2.437 |
| -42.200 | -2.777 | -42.200 | -3.797 | -37.700 | -3.777 | -37.700 | -2.777 |
| -37.700 | -2.427 | -36.950 | -2.377 | -36.650 | -2.127 | -36.650 | -1.997 |
| -36.550 | -1.997 | -35.900 | -1.567 | -35.300 | -1.577 | -35.000 | -1.857 |
| -27.000 | -1.827 | -22.600 | -1.827 | -21.400 | -1.817 | -18.300 | -0.127 |
| -16.750 | -0.057 | -16.230 | -0.031 | -14.000 | 0.008 | -13.530 | 0.018 |
| -13.530 | 0.368 | -12.830 | 0.428 | -5.850 | 3.938 | -5.800 | 3.999 |
| -2.900 | 4.078 | -0.230 | 4.168 | -0.130 | 4.348 | 0.000 | 4.351 |
| 0.000 | 4.347 | 0.000 | 4.351 | 0.000 | 4.347 | 0.170 | 4.357 |
| 0.170 | 3.767 | 0.750 | 3.047 | 4.100 | 1.407 | 4.550 | 1.407 |
| 4.550 | 1.707 | 7.310 | 1.567 | 10.450 | -0.061 | 11.410 | -0.531 |
| 12.310 | -0.621 | 17.310 | -1.711 | 20.000 | -2.510 | 25.000 | -2.510 |
| 30.000 | -2.510 | 35.000 | -2.410 | 40.000 | -2.260 | 45.000 | -2.160 |
| 50.000 | -2.160 | 55.000 | -2.159 | 60.000 | -2.189 | 65.000 | -2.239 |
| 70.000 | -2.299 | 75.000 | -2.289 | 80.000 | -2.379 | 85.000 | -2.408 |
| 90.000 | -2.458 | 95.000 | -2.458 | 100.000 | -2.508 | 105.000 | -2.538 |
| 110.000 | -2.538 | 115.000 | -2.537 | 120.000 | -2.507 | 125.000 | -2.537 |
| 130.000 | -2.527 | 135.000 | -2.487 | 140.000 | -2.457 | 145.000 | -2.436 |
| 150.000 | -2.356 | 155.000 | -2.306 | 160.000 | -2.256 | 165.000 | -2.086 |
| 170.000 | -1.986 | 175.000 | -1.855 | 180.000 | -1.655 | 185.000 | -1.605 |
| 190.580 | -1.585 | 195.580 | -1.475 | 200.580 | -1.295 | 205.580 | -0.784 |
| 206.680 | -0.624 | 206.880 | -0.464 | 208.980 | -0.174 | 209.480 | -1.504 |
| 210.580 | -1.864 | 215.580 | -1.494 | 220.580 | -1.284 | 225.100 | -0.054 |
| 225.580 | 0.086 | 229.080 | 0.586 | 230.580 | 0.761 | 235.580 | 0.771 |
| 240.580 | 0.791 | 250.580 | 0.622 | 260.580 | 0.722 | 270.580 | 0.772 |
| 275.580 | 0.822 | 280.580 | 0.302 | 290.580 | 0.352 | 300.580 | 0.543 |
| 305.580 | 0.873 | 313.080 | -0.217 | 314.880 | -0.257 | 318.580 | 1.003 |
| 323.580 | 1.303 | 330.580 | 1.183 | 340.580 | 1.113 | 350.580 | 0.664 |
| 356.580 | 0.274 | 366.580 | 0.164 | 375.580 | -0.056 | 385.580 | -0.276 |
| 395.580 | -0.356 | 408.580 | -0.235 | 421.370 | -0.065 | 426.400 | -0.160 |
| 431.350 | -0.630 | 436.350 | -1.020 | 441.350 | -1.970 | 446.350 | -2.669 |
| 450.000 | -3.159 | 455.000 | -3.159 | 460.000 | -3.259 | 465.000 | -3.359 |
| 470.000 | -3.558 | 475.000 | -3.638 | 480.000 | -3.658 | 485.000 | -3.958 |
| 490.000 | -3.958 | 495.000 | -3.988 | 500.000 | -3.957 | 505.000 | -4.037 |
| 510.000 | -4.057 | 515.000 | -4.107 | 520.000 | -4.157 | 525.000 | -4.156 |
| 530.000 | -4.156 | 535.000 | -4.206 | 540.000 | -4.236 | 545.000 | -4.286 |
| 550.000 | -4.335 | 555.000 | -4.375 | 560.000 | -4.355 | 564.990 | -4.375 |
| 569.990 | -4.355 | 574.990 | -4.455 | 579.990 | -4.404 | 584.990 | -4.354 |
| 589.990 | -4.404 | 594.990 | -4.404 | 599.990 | -4.304 | 604.990 | -4.353 |
| 609.990 | -4.403 | 614.990 | -4.383 | 619.990 | -4.433 | 624.990 | -4.473 |
| 629.990 | -4.553 | 634.990 | -4.752 | 639.990 | -4.952 | 644.990 | -5.352 |
| 649.990 | -5.952 | 654.990 | -6.752 | 659.990 | -7.251 | 664.990 | -7.051 |
| 669.990 | -7.001 | 676.480 | -7.091 | 681.480 | -6.941 | 686.480 | -6.590 |
| 691.480 | -3.890 | 695.430 | -1.050 | 696.480 | -0.590 | 697.240 | -0.150 |
| 697.880 | 0.310 | 698.480 | 0.570 | 699.980 | 0.550 | 701.480 | 0.629 |
| 706.480 | 0.769 | 711.480 | 0.759 | 721.480 | 0.569 | 731.480 | 0.610 |
| 741.480 | 0.470 | 751.480 | 0.280 | 761.480 | 0.180 | 771.480 | 0.100 |
| 781.480 | -0.009 | 791.480 | -0.199 | 801.480 | -0.149 | 811.480 | -0.219 |
| 821.480 | -0.109 | 831.480 | -0.059 | 841.480 | -0.028 | 851.480 | 0.032 |
| 861.480 | 0.092 | 868.480 | 0.092 | 874.080 | 0.112 | 874.080 | 0.112 |
| 874.080 | 0.537 | 875.430 | -0.023 | 877.130 | -0.363 | 879.130 | -0.643 |

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 884.990 | -1.362 | 889.990 | -1.762 | 894.990 | -2.262 | 899.990 | -2.812 |
| 904.990 | -3.061 | 909.990 | -3.461 | 914.990 | -3.661 | 919.990 | -3.861 |
| 924.990 | -4.061 | 929.990 | -4.080 | 934.990 | -4.160 | 939.990 | -4.330 |
| 944.990 | -4.390 | 949.990 | -4.509 | 954.990 | -4.559 | 959.990 | -4.609 |
| 964.990 | -4.659 | 969.990 | -4.689 | 974.990 | -4.838 | 979.990 | -4.888 |
| 984.990 | -4.958 | 989.990 | -5.058 | 994.990 | -5.158 | 999.990 | -5.257 |
| 1004.990 | -5.407 | 1009.990 | -5.537 | 1014.990 | -5.657 | 1019.990 | -5.807 |
| 1024.990 | -5.876 | 1029.990 | -6.056 | 1034.990 | -6.156 | 1039.990 | -6.206 |
| 1044.990 | -6.285 | 1049.990 | -6.375 | 1054.990 | -6.455 | 1059.990 | -6.515 |
| 1064.990 | -6.575 | 1069.990 | -6.654 | 1074.990 | -6.674 | 1079.990 | -6.674 |
| 1084.990 | -6.654 | 1087.990 | -6.834 | 1092.990 | -6.733 | 1097.990 | -6.373 |
| 1102.990 | -5.333 | 1107.990 | -4.073 | 1112.990 | -2.113 | 1117.980 | -0.562 |
| 1122.980 | 0.368 | 1123.530 | 0.428 | 1124.090 | 0.548 | 1126.780 | 0.898 |
| 1127.080 | 1.538 | 1127.980 | 2.018 | 1127.980 | 1.823 | 1134.530 | 1.983 |
| 1138.130 | 2.083 | 1139.830 | 2.223 | 1142.130 | 2.273 | 1144.130 | 2.403 |
| 1144.830 | 2.393 | 1147.470 | 3.773 | 1147.780 | 4.073 | 1147.970 | 4.613 |
| 1147.970 | 4.973 | 1148.130 | 4.973 | 1148.130 | 4.978 | 1148.280 | 4.960 |
| 1148.380 | 4.720 | 1153.930 | 4.600 | 1159.130 | 4.480 | 1159.230 | 4.450 |
| 1159.430 | 4.460 | 1159.790 | 4.450 | 1159.830 | 4.250 | 1165.180 | 1.630 |
| 1165.560 | 1.630 | 1165.560 | 1.250 | 1165.960 | 1.250 | 1165.960 | 1.690 |
| 1167.230 | 1.740 | 1168.640 | 1.790 | 1169.130 | 1.800 | 1169.130 | 2.010 |
| 1169.930 | 2.010 | 1170.330 | 1.790 | 1171.130 | 1.680 | 1174.230 | 1.600 |
| 1176.230 | 1.550 | 1179.130 | 1.550 | 1179.130 | 1.850 | 1183.430 | 1.760 |
| 1187.130 | 1.720 | 1187.130 | 1.202 | 1189.430 | 1.122 | 1189.630 | 1.332 |
| 1190.830 | 1.402 | 1191.130 | 1.602 | 1194.730 | 1.702 | 1223.130 | 1.702 |
| 5.4km | 0.000 | | | | 314 | 44 271 | 33 279 |
| -79.000 | -1.849 | -73.700 | -1.839 | -72.600 | -1.239 | -67.600 | -1.239 |
| -66.400 | -1.939 | -60.000 | -2.009 | -50.000 | -2.069 | -42.500 | -2.169 |
| -40.000 | 0.182 | -35.000 | 0.179 | -30.000 | -0.071 | -26.600 | -0.151 |
| -21.600 | -0.151 | -21.000 | -0.121 | -16.600 | -0.091 | -16.100 | -0.093 |
| -13.720 | -0.091 | -13.720 | 0.219 | -13.100 | 0.209 | -6.230 | 3.599 |
| -6.160 | 3.779 | -5.850 | 3.799 | -5.740 | 3.838 | -2.900 | 3.909 |
| -0.250 | 3.969 | -0.160 | 4.139 | 0.000 | 4.146 | 0.000 | 4.140 |
| 0.000 | 4.146 | 0.000 | 4.140 | 0.150 | 4.140 | 0.150 | 3.820 |
| 0.650 | 3.000 | 4.100 | 1.250 | 4.550 | 1.260 | 4.550 | 1.560 |
| 7.350 | 1.480 | 9.200 | 0.517 | 9.600 | 0.477 | 9.900 | 0.351 |
| 10.000 | 0.291 | 13.300 | -0.118 | 15.000 | -0.018 | 18.000 | 0.202 |
| 20.000 | 0.062 | 25.000 | -0.457 | 30.000 | -0.927 | 35.000 | -1.267 |
| 40.000 | -1.946 | 45.000 | -2.026 | 50.000 | -2.045 | 55.000 | -2.065 |
| 60.000 | -2.154 | 65.000 | -2.174 | 70.000 | -2.194 | 75.000 | -2.193 |
| 80.000 | -2.163 | 85.000 | -2.162 | 90.000 | -2.242 | 95.000 | -2.282 |
| 100.000 | -2.391 | 105.000 | -2.461 | 110.000 | -2.540 | 115.000 | -2.560 |
| 120.000 | -2.640 | 125.000 | -2.739 | 130.000 | -2.839 | 135.000 | -2.868 |
| 140.000 | -2.938 | 145.000 | -2.938 | 150.000 | -2.887 | 155.000 | -2.837 |
| 160.000 | -2.686 | 165.000 | -2.636 | 170.000 | -2.385 | 175.000 | -2.235 |
| 180.000 | -2.055 | 185.000 | -2.034 | 190.000 | -1.854 | 195.000 | -1.813 |
| 200.000 | -1.733 | 205.000 | -1.713 | 210.000 | -1.682 | 215.000 | -1.632 |
| 220.000 | -1.611 | 225.000 | -1.581 | 230.000 | -1.531 | 235.000 | -1.450 |
| 240.000 | -1.350 | 245.000 | -1.249 | 250.000 | -1.129 | 255.000 | -1.029 |
| 258.940 | -0.898 | 263.940 | -0.378 | 268.940 | 0.143 | 272.300 | 0.373 |
| 273.940 | 0.465 | 279.940 | 0.945 | 282.940 | 0.755 | 286.440 | 0.765 |
| 290.940 | 1.036 | 296.940 | 0.916 | 304.940 | 0.846 | 309.940 | 0.426 |
| 317.940 | 0.277 | 321.940 | 0.767 | 328.940 | 0.777 | 338.940 | 0.668 |
| 348.940 | 0.478 | 361.940 | 0.589 | 369.290 | 0.599 | 372.980 | 0.159 |
| 373.750 | -0.131 | 374.280 | -0.331 | 379.280 | -0.870 | 384.280 | -1.470 |
| 389.280 | -2.530 | 394.280 | -3.590 | 399.280 | -3.949 | 404.280 | -4.449 |

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 409.280 | -4.849 | 410.000 | -4.999 | 415.000 | -5.479 | 417.000 | -5.848 |
| 420.000 | -5.928 | 425.000 | -6.128 | 430.000 | -6.428 | 435.000 | -6.707 |
| 440.000 | -6.677 | 445.000 | -6.677 | 450.000 | -6.677 | 455.000 | -6.526 |
| 460.000 | -6.526 | 465.000 | -6.326 | 470.000 | -6.276 | 475.000 | -6.025 |
| 480.000 | -5.825 | 485.000 | -5.825 | 490.000 | -5.654 | 495.000 | -5.604 |
| 500.000 | -5.544 | 505.000 | -5.424 | 510.000 | -5.323 | 515.000 | -5.143 |
| 520.000 | -5.073 | 525.000 | -5.023 | 530.000 | -4.972 | 535.000 | -4.822 |
| 540.000 | -4.742 | 545.000 | -4.622 | 550.000 | -4.421 | 555.010 | -4.351 |
| 560.010 | -4.221 | 565.010 | -4.120 | 570.010 | -3.920 | 575.010 | -3.750 |
| 580.010 | -3.570 | 585.010 | -3.369 | 590.010 | -3.269 | 595.010 | -3.139 |
| 600.010 | -2.919 | 605.010 | -2.818 | 610.010 | -2.568 | 615.010 | -2.418 |
| 620.010 | -2.218 | 625.010 | -2.117 | 630.010 | -1.917 | 635.010 | -1.817 |
| 640.010 | -1.916 | 645.010 | -2.036 | 650.010 | -2.166 | 655.010 | -2.316 |
| 656.830 | -2.376 | 661.830 | -1.545 | 665.530 | -1.045 | 666.830 | -0.665 |
| 668.410 | -0.115 | 669.680 | 0.295 | 670.030 | 0.325 | 670.080 | 0.325 |
| 671.830 | 0.535 | 675.830 | 0.645 | 679.330 | 0.526 | 683.830 | -0.274 |
| 690.830 | -0.334 | 700.830 | -0.643 | 706.330 | -0.243 | 707.830 | -0.523 |
| 709.430 | -0.503 | 711.830 | 0.017 | 716.830 | 0.157 | 724.330 | 0.098 |
| 728.130 | -0.222 | 731.330 | 0.158 | 741.830 | 0.138 | 751.830 | 0.099 |
| 760.330 | -0.141 | 771.830 | 0.370 | 781.830 | 0.234 | 791.830 | 0.224 |
| 801.830 | 0.155 | 811.830 | -0.015 | 820.830 | -0.144 | 831.830 | 0.076 |
| 841.830 | 0.137 | 851.830 | 0.207 | 858.830 | 0.317 | 860.330 | -0.503 |
| 862.130 | -0.882 | 868.830 | 0.018 | 873.700 | 0.118 | 873.700 | 0.122 |
| 873.700 | 0.542 | 874.770 | 0.182 | 874.970 | -0.488 | 878.670 | -0.818 |
| 883.670 | -1.767 | 888.670 | -3.067 | 893.670 | -4.967 | 895.010 | -5.157 |
| 900.010 | -5.256 | 905.010 | -5.356 | 910.010 | -5.536 | 915.010 | -5.655 |
| 920.010 | -5.755 | 925.010 | -5.755 | 930.010 | -5.854 | 935.010 | -5.904 |
| 940.010 | -5.984 | 945.010 | -6.003 | 950.010 | -6.053 | 955.010 | -6.083 |
| 960.010 | -6.052 | 965.010 | -6.102 | 970.010 | -6.052 | 975.010 | -6.001 |
| 980.010 | -5.901 | 985.010 | -5.881 | 990.010 | -5.850 | 995.010 | -5.750 |
| 1000.010 | -5.850 | 1005.010 | -5.869 | 1010.010 | -5.829 | 1015.010 | -5.779 |
| 1020.010 | -5.828 | 1025.010 | -5.798 | 1030.010 | -5.868 | 1035.010 | -5.927 |
| 1040.010 | -5.967 | 1045.010 | -6.007 | 1050.010 | -5.976 | 1055.010 | -5.846 |
| 1060.010 | -5.866 | 1065.010 | -5.945 | 1070.010 | -5.965 | 1075.010 | -5.895 |
| 1077.660 | -5.995 | 1082.660 | -4.944 | 1087.660 | -3.244 | 1092.660 | -0.864 |
| 1094.960 | -0.353 | 1095.460 | 0.087 | 1096.810 | 0.557 | 1097.360 | 0.797 |
| 1097.860 | 1.127 | 1098.860 | 1.367 | 1099.360 | 1.767 | 1101.060 | 2.217 |
| 1102.660 | 2.677 | 1102.660 | 2.437 | 1104.490 | 2.667 | 1107.490 | 2.757 |
| 1113.990 | 2.777 | 1117.990 | 2.817 | 1121.490 | 2.947 | 1127.490 | 3.197 |
| 1130.120 | 3.417 | 1130.790 | 3.777 | 1131.190 | 4.177 | 1131.300 | 4.587 |
| 1131.300 | 4.937 | 1131.490 | 4.937 | 1131.490 | 4.947 | 1131.640 | 4.942 |
| 1131.760 | 4.672 | 1138.240 | 4.602 | 1142.490 | 4.592 | 1142.590 | 4.572 |
| 1142.800 | 4.562 | 1143.140 | 4.572 | 1143.190 | 4.362 | 1148.590 | 1.792 |
| 1148.920 | 1.792 | 1148.920 | 1.502 | 1149.290 | 1.502 | 1149.370 | 1.812 |
| 1149.520 | 1.812 | 1150.560 | 1.942 | 1152.550 | 1.992 | 1152.690 | 1.998 |
| 1153.290 | 2.078 | 1153.690 | 2.078 | 1154.490 | 1.848 | 1156.890 | 1.858 |
| 1161.090 | 1.928 | 1173.590 | 1.768 | 1178.090 | 1.818 | 1178.790 | 0.856 |
| 1180.290 | 0.656 | 1180.290 | 0.536 | 1182.890 | 0.326 | 1183.390 | 0.386 |
| 1199.590 | 0.236 | 1206.490 | 0.236 | | | | |
| 5.6km | 0.000 | | | | 299 | 45 243 | 37 263 |
| -75.000 | -0.897 | -73.800 | -0.897 | -70.600 | -0.887 | -52.150 | -0.887 |
| -50.500 | -0.887 | -41.250 | -0.887 | -39.600 | -0.907 | -39.600 | -0.247 |
| -37.000 | -0.227 | -34.700 | -0.197 | -33.100 | 0.073 | -22.000 | -0.099 |
| -21.820 | -0.099 | -21.420 | -0.099 | -21.200 | -0.099 | -17.200 | -0.049 |
| -17.200 | -0.099 | -16.900 | -0.096 | -13.640 | -0.039 | -13.640 | 0.291 |
| -12.930 | 0.291 | -6.180 | 3.681 | -6.130 | 3.891 | -5.770 | 3.921 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| -5.710 | 3.958 | -3.000 | 4.021 | -0.210 | 4.091 | -0.120 | 4.271 |
| 0.000 | 4.287 | 0.000 | 4.284 | 0.000 | 4.287 | 0.000 | 4.284 |
| 0.170 | 4.284 | 0.170 | 5.284 | 0.670 | 5.284 | 0.670 | 3.744 |
| 1.180 | 3.234 | 4.300 | 1.724 | 7.520 | 1.614 | 9.860 | 0.408 |
| 10.030 | 0.268 | 12.530 | 0.168 | 17.530 | 0.058 | 22.530 | 0.068 |
| 27.530 | 0.068 | 32.530 | -0.062 | 37.530 | -0.302 | 42.530 | -0.623 |
| 47.530 | -0.873 | 50.000 | -0.993 | 55.000 | -1.353 | 60.000 | -1.593 |
| 65.000 | -1.693 | 70.000 | -1.793 | 75.000 | -1.993 | 80.000 | -2.193 |
| 85.000 | -2.293 | 90.000 | -2.493 | 95.000 | -2.693 | 100.000 | -2.713 |
| 105.000 | -2.813 | 110.000 | -2.793 | 115.000 | -2.794 | 120.000 | -2.794 |
| 125.000 | -2.724 | 130.000 | -2.694 | 135.000 | -2.774 | 140.000 | -2.724 |
| 145.000 | -2.764 | 150.000 | -2.744 | 155.000 | -2.714 | 160.000 | -2.794 |
| 165.000 | -2.804 | 170.000 | -2.894 | 175.000 | -2.894 | 180.000 | -3.045 |
| 185.000 | -3.215 | 190.000 | -3.495 | 195.000 | -4.095 | 200.000 | -4.945 |
| 205.000 | -5.495 | 210.000 | -5.815 | 215.000 | -5.795 | 220.000 | -5.625 |
| 225.000 | -5.395 | 230.000 | -5.095 | 235.000 | -4.795 | 240.000 | -4.845 |
| 245.000 | -4.995 | 250.000 | -5.196 | 255.000 | -5.446 | 260.000 | -5.696 |
| 265.000 | -5.876 | 270.010 | -6.296 | 275.010 | -7.096 | 280.010 | -8.146 |
| 285.010 | -8.946 | 290.010 | -8.996 | 295.010 | -8.796 | 300.010 | -8.796 |
| 305.010 | -8.896 | 310.010 | -8.746 | 315.010 | -8.646 | 320.010 | -8.447 |
| 325.010 | -8.297 | 330.010 | -7.927 | 335.010 | -7.627 | 340.010 | -7.097 |
| 345.010 | -6.597 | 350.010 | -6.297 | 355.010 | -6.027 | 360.010 | -5.747 |
| 365.010 | -5.497 | 370.010 | -5.397 | 375.010 | -5.167 | 380.010 | -4.897 |
| 385.010 | -4.728 | 390.010 | -4.768 | 395.010 | -4.698 | 400.010 | -4.418 |
| 405.010 | -4.298 | 410.010 | -4.198 | 415.010 | -4.128 | 420.010 | -4.098 |
| 425.010 | -3.898 | 430.010 | -3.898 | 435.010 | -3.818 | 440.010 | -3.578 |
| 445.010 | -3.498 | 450.010 | -3.298 | 455.010 | -3.179 | 460.010 | -3.119 |
| 465.010 | -2.879 | 470.010 | -2.769 | 475.010 | -2.649 | 480.010 | -2.399 |
| 485.010 | -2.249 | 490.010 | -2.079 | 495.010 | -1.899 | 500.010 | -1.849 |
| 505.010 | -1.719 | 510.010 | -1.749 | 515.010 | -1.749 | 520.010 | -1.749 |
| 525.010 | -1.800 | 530.010 | -1.850 | 535.010 | -1.830 | 540.010 | -1.900 |
| 545.010 | -1.900 | 550.010 | -1.820 | 555.010 | -1.800 | 560.010 | -1.700 |
| 565.010 | -1.600 | 570.010 | -1.450 | 578.780 | -1.240 | 583.780 | -1.010 |
| 588.780 | -0.800 | 593.780 | -0.541 | 598.780 | -0.121 | 601.930 | 0.249 |
| 603.310 | 0.399 | 603.780 | 0.464 | 613.780 | 0.524 | 623.780 | 0.504 |
| 633.780 | 0.474 | 643.780 | 0.324 | 653.780 | 0.294 | 663.780 | 0.304 |
| 673.780 | 0.334 | 683.780 | 0.374 | 693.780 | 0.154 | 703.780 | 0.114 |
| 708.780 | -0.076 | 709.080 | -0.366 | 709.580 | -0.366 | 710.780 | -0.006 |
| 718.780 | 0.084 | 728.780 | 0.084 | 738.780 | 0.267 | 753.780 | 0.267 |
| 763.780 | 0.327 | 773.780 | 0.337 | 783.780 | 0.317 | 793.780 | 0.367 |
| 803.790 | 0.537 | 813.790 | 0.537 | 821.750 | 0.617 | 821.970 | 0.552 |
| 823.170 | 0.382 | 824.420 | -0.078 | 824.920 | -1.028 | 826.620 | -2.118 |
| 831.620 | -4.468 | 836.620 | -5.768 | 840.020 | -6.348 | 845.020 | -6.498 |
| 850.020 | -6.547 | 855.020 | -6.477 | 860.020 | -6.477 | 865.020 | -6.457 |
| 870.020 | -6.447 | 875.020 | -6.447 | 880.020 | -6.526 | 885.020 | -6.526 |
| 890.020 | -6.546 | 895.020 | -6.516 | 900.020 | -6.476 | 905.020 | -6.466 |
| 910.020 | -6.346 | 915.020 | -6.195 | 920.020 | -6.015 | 925.020 | -5.865 |
| 930.020 | -5.845 | 935.020 | -5.845 | 940.020 | -5.825 | 945.020 | -5.794 |
| 950.020 | -5.724 | 955.020 | -5.644 | 960.020 | -5.494 | 965.020 | -5.544 |
| 970.020 | -5.444 | 975.020 | -5.443 | 980.020 | -5.423 | 985.020 | -5.343 |
| 990.020 | -5.293 | 995.020 | -5.143 | 1000.020 | -4.943 | 1005.020 | -4.863 |
| 1010.020 | -4.622 | 1015.020 | -4.392 | 1020.020 | -4.142 | 1025.250 | -4.322 |
| 1030.250 | -3.142 | 1035.250 | -1.362 | 1040.250 | -0.861 | 1045.250 | -0.301 |
| 1050.250 | 0.179 | 1052.950 | 0.479 | 1053.320 | 0.559 | 1056.550 | 0.859 |
| 1059.250 | 1.199 | 1059.550 | 1.899 | 1060.250 | 2.129 | 1060.250 | 1.895 |
| 1071.050 | 2.105 | 1082.050 | 2.155 | 1084.250 | 2.315 | 1091.890 | 2.593 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 1099.050 | 2.613 | 1106.550 | 2.683 | 1109.550 | 2.653 | 1111.850 | 2.823 |
| 1112.750 | 2.983 | 1116.750 | 3.073 | 1117.750 | 3.203 | 1118.400 | 3.553 |
| 1118.750 | 3.903 | 1118.910 | 4.433 | 1118.910 | 4.793 | 1119.050 | 4.803 |
| 1119.050 | 4.812 | 1119.200 | 4.804 | 1119.330 | 4.484 | 1124.850 | 4.424 |
| 1130.100 | 4.344 | 1130.150 | 4.304 | 1130.380 | 4.304 | 1136.210 | 1.644 |
| 1136.610 | 1.644 | 1136.610 | 1.334 | 1136.970 | 1.334 | 1137.030 | 1.634 |
| 1137.180 | 1.634 | 1138.250 | 1.794 | 1139.900 | 1.874 | 1143.850 | 1.554 |
| 1143.850 | 1.554 | 1153.650 | 1.115 | 1154.850 | 1.185 | 1158.550 | 0.965 |
| 1158.850 | 0.965 | 1158.850 | 0.785 | 1160.250 | 0.735 | 1160.550 | 0.735 |
| 1162.050 | 0.785 | 1169.050 | 0.685 | 1169.550 | 0.676 | 1169.950 | 0.676 |
| 1170.050 | 0.656 | 1170.250 | 0.656 | 1170.250 | 0.606 | 1174.550 | 0.606 |
| 1176.050 | 0.806 | 1176.550 | 0.806 | 1177.550 | 0.576 | 1180.550 | 0.676 |
| 1182.350 | 0.606 | 1186.050 | 0.676 | 1195.050 | 0.646 | | |
| 5.8km | 0.000 | | | | 284 | 43 217 | 27 250 |
| -77.000 | 3.043 | -70.000 | 3.183 | -60.000 | 3.323 | -50.000 | 3.383 |
| -40.000 | 3.553 | -30.000 | 3.493 | -22.870 | 3.563 | -22.870 | 3.663 |
| -22.800 | 3.656 | -22.800 | 3.133 | -22.500 | 3.133 | -22.500 | 3.433 |
| -22.350 | 3.433 | -20.000 | 3.663 | -11.780 | 3.780 | -5.500 | 4.063 |
| -0.250 | 4.103 | -0.130 | 4.373 | 0.000 | 4.378 | 0.000 | 4.371 |
| 0.000 | 4.378 | 0.000 | 4.371 | 0.170 | 4.371 | 0.170 | 5.201 |
| 0.570 | 5.201 | 0.570 | 3.861 | 1.100 | 3.321 | 4.300 | 1.841 |
| 7.480 | 1.761 | 10.270 | 0.374 | 13.170 | 0.134 | 20.870 | 0.254 |
| 26.670 | 0.404 | 31.770 | 0.554 | 33.300 | 0.436 | 35.970 | 0.316 |
| 37.470 | 0.216 | 42.470 | -0.004 | 47.470 | -0.194 | 52.470 | -0.124 |
| 57.170 | -0.064 | 58.070 | 0.066 | 62.470 | -0.144 | 67.470 | -0.534 |
| 72.470 | -0.924 | 77.470 | -1.304 | 80.000 | -1.494 | 85.000 | -1.764 |
| 89.990 | -2.064 | 94.990 | -2.284 | 99.990 | -2.664 | 104.990 | -2.934 |
| 109.990 | -3.863 | 114.990 | -4.363 | 119.990 | -4.813 | 124.990 | -5.063 |
| 129.990 | -5.363 | 134.990 | -5.563 | 139.990 | -5.663 | 144.990 | -5.763 |
| 149.990 | -5.663 | 154.990 | -5.763 | 159.990 | -6.063 | 164.990 | -6.163 |
| 169.990 | -5.993 | 174.990 | -5.863 | 179.990 | -5.613 | 184.990 | -5.363 |
| 189.990 | -5.363 | 194.990 | -5.463 | 199.990 | -5.463 | 204.990 | -5.593 |
| 209.990 | -5.563 | 214.990 | -5.563 | 219.990 | -5.683 | 221.990 | -5.793 |
| 224.990 | -5.663 | 229.990 | -5.563 | 234.990 | -5.133 | 239.990 | -5.063 |
| 244.990 | -4.893 | 249.990 | -4.483 | 254.990 | -4.363 | 259.980 | -4.143 |
| 264.980 | -4.112 | 269.980 | -4.162 | 274.980 | -4.462 | 279.980 | -4.562 |
| 284.980 | -4.662 | 289.980 | -4.742 | 294.980 | -4.862 | 296.980 | -4.892 |
| 299.980 | -4.662 | 304.980 | -4.162 | 307.980 | -3.862 | 309.980 | -3.862 |
| 314.980 | -3.782 | 319.980 | -3.772 | 324.980 | -3.762 | 329.980 | -3.712 |
| 334.980 | -3.662 | 339.980 | -3.512 | 341.980 | -3.462 | 344.980 | -3.482 |
| 349.980 | -3.712 | 354.980 | -3.862 | 359.980 | -4.062 | 364.980 | -4.032 |
| 367.980 | -4.112 | 369.980 | -3.912 | 374.980 | -3.662 | 379.980 | -3.262 |
| 384.980 | -2.792 | 389.980 | -2.462 | 394.980 | -2.362 | 399.980 | -2.562 |
| 404.980 | -2.462 | 409.980 | -2.462 | 414.980 | -2.462 | 419.980 | -2.341 |
| 424.980 | -2.261 | 429.970 | -2.211 | 434.970 | -2.211 | 439.970 | -2.061 |
| 444.970 | -1.961 | 449.970 | -1.761 | 454.970 | -1.781 | 459.970 | -1.891 |
| 464.970 | -1.761 | 469.970 | -1.211 | 474.970 | -0.961 | 479.970 | -0.761 |
| 482.780 | -0.541 | 487.780 | 0.029 | 489.670 | 0.239 | 492.670 | 0.439 |
| 492.780 | 0.469 | 497.780 | 0.409 | 502.780 | 0.359 | 512.780 | 0.259 |
| 522.780 | 0.179 | 532.780 | 0.149 | 542.780 | 0.139 | 552.780 | 0.119 |
| 562.780 | 0.219 | 567.780 | 0.859 | 572.780 | 0.919 | 580.980 | 1.059 |
| 581.180 | 0.919 | 585.280 | 1.179 | 592.780 | 0.649 | 606.770 | 0.929 |
| 608.770 | 0.729 | 622.770 | 0.479 | 632.770 | 0.189 | 642.770 | 0.311 |
| 652.770 | 0.301 | 662.770 | 0.311 | 672.770 | 0.321 | 682.770 | 0.381 |
| 692.770 | 0.501 | 702.770 | 0.721 | 712.770 | 0.881 | 722.770 | 1.031 |
| 726.170 | 1.011 | 726.430 | 0.996 | 726.730 | 0.776 | 727.960 | 0.586 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 729.230 | 0.376 | 730.130 | -0.434 | 731.130 | -0.714 | 736.130 | -1.824 |
| 741.130 | -4.143 | 746.130 | -5.513 | 749.960 | -6.313 | 754.960 | -6.813 |
| 757.960 | -7.213 | 759.960 | -7.163 | 764.960 | -6.963 | 769.960 | -6.732 |
| 774.950 | -6.562 | 779.950 | -6.362 | 784.950 | -6.312 | 789.950 | -6.312 |
| 794.950 | -6.441 | 799.950 | -6.611 | 804.950 | -6.931 | 809.950 | -7.511 |
| 814.950 | -7.811 | 819.950 | -7.210 | 824.950 | -6.710 | 827.950 | -6.510 |
| 829.950 | -6.590 | 834.950 | -6.530 | 839.950 | -6.310 | 844.950 | -6.009 |
| 849.950 | -5.889 | 854.950 | -5.739 | 859.950 | -5.729 | 864.950 | -5.779 |
| 869.950 | -5.708 | 874.950 | -5.708 | 879.950 | -5.728 | 884.950 | -5.908 |
| 889.950 | -6.008 | 894.950 | -5.827 | 899.950 | -5.407 | 904.950 | -5.107 |
| 909.950 | -4.707 | 914.950 | -4.327 | 919.950 | -4.076 | 924.950 | -3.906 |
| 929.950 | -3.556 | 934.950 | -3.206 | 939.950 | -2.156 | 942.950 | -1.155 |
| 944.950 | -1.005 | 949.940 | -0.705 | 954.940 | -0.405 | 959.940 | -0.155 |
| 961.310 | -0.235 | 966.310 | -0.044 | 971.310 | -0.004 | 976.310 | -0.024 |
| 981.310 | -0.054 | 986.310 | -0.104 | 991.310 | -0.233 | 996.310 | -0.253 |
| 1001.310 | -0.293 | 1006.310 | -0.313 | 1011.310 | -0.283 | 1016.310 | -0.082 |
| 1021.310 | 0.018 | 1026.310 | -0.002 | 1027.410 | 0.018 | 1028.440 | 0.598 |
| 1031.310 | 1.968 | 1031.310 | 1.967 | 1032.460 | 2.007 | 1037.960 | 2.027 |
| 1044.460 | 2.017 | 1045.960 | 2.047 | 1055.960 | 2.117 | 1065.960 | 2.227 |
| 1075.960 | 2.377 | 1085.960 | 2.557 | 1095.960 | 2.767 | 1102.460 | 2.857 |
| 1103.060 | 2.957 | 1105.830 | 4.897 | 1105.960 | 4.887 | 1105.960 | 4.893 |
| 1106.140 | 4.893 | 1109.360 | 4.923 | 1109.360 | 4.943 | 1109.660 | 4.963 |
| 1110.460 | 4.933 | 1111.560 | 4.723 | 1115.260 | 4.723 | 1119.960 | 4.603 |
| 1120.060 | 4.563 | 1120.500 | 4.563 | 1120.850 | 4.573 | 1120.990 | 4.333 |
| 1121.810 | 4.373 | 1121.810 | 2.963 | 1122.510 | 1.823 | 1122.660 | 1.823 |
| 1122.660 | 1.553 | 1123.130 | 1.553 | 1123.130 | 1.843 | 1123.230 | 1.843 |
| 1125.240 | 1.953 | 1125.800 | 1.963 | 1129.360 | 1.903 | 1140.360 | 1.753 |
| 1145.960 | 1.814 | 1146.060 | 1.184 | 1148.160 | 1.084 | 1148.260 | 0.544 |
| 1156.460 | 0.184 | 1157.960 | -0.196 | 1157.960 | -0.526 | 1180.960 | -0.526 |
| 6.0km | 0.000 | | | | 168 | 41 113 | 30 149 |
| -80.000 | 0.531 | -74.000 | 0.521 | -66.000 | 0.721 | -60.000 | 0.631 |
| -50.000 | 0.501 | -42.000 | 0.401 | -36.500 | 0.511 | -33.000 | 0.411 |
| -27.000 | 0.561 | -21.000 | 0.571 | -15.900 | 0.452 | -15.650 | 0.452 |
| -13.430 | 0.501 | -13.230 | 0.521 | -13.230 | 0.815 | -12.370 | 0.885 |
| -5.870 | 4.175 | -5.570 | 4.175 | -3.050 | 4.235 | -0.560 | 4.255 |
| -0.560 | 4.285 | -0.300 | 4.295 | -0.150 | 4.595 | 0.000 | 4.602 |
| 0.000 | 4.600 | 0.170 | 4.600 | 0.170 | 5.270 | 0.570 | 5.270 |
| 0.570 | 3.970 | 1.000 | 3.510 | 4.170 | 1.840 | 7.220 | 1.760 |
| 7.220 | 1.765 | 10.220 | 0.328 | 17.220 | 0.138 | 27.220 | 0.019 |
| 37.220 | 0.049 | 47.220 | 0.060 | 52.220 | 0.210 | 55.820 | 0.020 |
| 56.220 | -0.140 | 57.220 | -0.339 | 62.220 | -0.758 | 67.220 | -1.157 |
| 72.220 | -3.336 | 77.220 | -4.484 | 82.220 | -5.183 | 87.220 | -5.582 |
| 92.220 | -5.681 | 97.220 | -5.629 | 102.220 | -5.808 | 107.220 | -6.007 |
| 112.220 | -6.125 | 117.220 | -6.224 | 122.220 | -6.203 | 127.220 | -6.322 |
| 132.220 | -6.340 | 137.220 | -6.269 | 142.220 | -6.168 | 147.220 | -6.117 |
| 152.220 | -5.995 | 157.220 | -5.464 | 162.220 | -5.033 | 167.220 | -4.612 |
| 172.220 | -4.590 | 177.220 | -4.489 | 182.220 | -4.488 | 187.220 | -4.457 |
| 192.220 | -4.305 | 197.220 | -4.324 | 202.220 | -4.403 | 207.220 | -4.482 |
| 212.220 | -4.520 | 217.220 | -4.579 | 222.220 | -4.598 | 227.220 | -4.646 |
| 232.220 | -4.495 | 237.220 | -4.574 | 242.220 | -4.593 | 247.220 | -4.471 |
| 252.220 | -4.540 | 257.220 | -4.589 | 262.220 | -4.668 | 267.220 | -4.606 |
| 272.220 | -4.535 | 277.220 | -4.304 | 282.220 | -4.133 | 287.220 | -4.231 |
| 292.220 | -4.060 | 297.220 | -3.999 | 302.220 | -3.998 | 307.220 | -3.796 |
| 312.220 | -3.595 | 317.220 | -3.674 | 322.220 | -3.473 | 327.220 | -3.421 |
| 332.220 | -3.390 | 337.220 | -3.169 | 342.220 | -3.017 | 347.220 | -3.146 |
| 352.220 | -2.865 | 357.220 | -2.714 | 362.220 | -2.612 | 367.220 | -2.511 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 372.220 | -2.440 | 377.220 | -2.009 | 382.220 | -1.707 | 387.220 | -1.306 |
| 392.220 | -1.175 | 397.220 | -1.054 | 402.220 | -0.852 | 407.220 | -0.531 |
| 412.220 | -0.370 | 417.220 | -0.349 | 422.220 | -0.147 | 427.220 | -0.246 |
| 432.220 | -0.115 | 437.220 | -0.173 | 442.220 | -0.242 | 447.220 | -0.161 |
| 448.520 | -0.041 | 457.220 | 0.000 | 457.220 | 0.241 | 462.220 | -0.178 |
| 472.220 | -0.167 | 475.220 | -0.067 | 481.220 | -0.527 | 481.820 | -0.527 |
| 484.220 | -0.077 | 490.720 | -0.127 | 497.220 | -0.236 | 507.220 | -0.096 |
| 517.220 | -0.295 | 527.220 | -0.315 | 534.220 | -0.024 | 542.220 | -0.124 |
| 545.620 | -0.277 | 547.220 | -0.678 | 552.220 | -1.931 | 557.220 | -2.134 |
| 562.220 | -1.587 | 567.220 | -1.941 | 572.220 | -1.434 | 574.920 | -0.296 |
| 576.220 | 0.255 | 584.220 | 0.415 | 593.220 | 0.005 | 601.220 | -0.054 |
| 606.020 | 2.574 | 606.020 | 2.552 | 607.220 | 2.532 | 607.470 | 2.562 |
| 609.670 | 2.782 | 610.570 | 3.002 | 611.170 | 2.992 | 611.670 | 2.832 |
| 612.370 | 2.802 | 612.970 | 2.502 | 613.370 | 2.512 | 614.270 | 3.002 |
| 614.770 | 3.032 | 615.120 | 2.972 | 618.170 | 3.072 | 621.270 | 2.982 |
| 621.570 | 3.012 | 622.070 | 2.722 | 622.670 | 2.402 | 622.670 | 2.706 |
| 6.2km | 0.000 | | | | 173 | 46 105 | 33 150 |
| -80.000 | -0.562 | -75.000 | -0.502 | -67.000 | -0.492 | -59.000 | -0.652 |
| -53.000 | -0.642 | -48.500 | -0.612 | -47.300 | -1.132 | -43.100 | -1.092 |
| -39.500 | -1.222 | -39.200 | 0.898 | -31.500 | 0.898 | -25.000 | 1.065 |
| -20.000 | 1.065 | -17.500 | 1.205 | -17.100 | 0.975 | -16.600 | 0.415 |
| -15.560 | 0.395 | -13.550 | 0.435 | -13.550 | 0.775 | -12.700 | 0.835 |
| -5.830 | 4.245 | -5.550 | 4.245 | -3.000 | 4.335 | -0.600 | 4.415 |
| -0.350 | 4.415 | -0.210 | 4.715 | 0.000 | 4.725 | 0.000 | 4.720 |
| 0.100 | 4.720 | 0.100 | 5.330 | 0.500 | 5.330 | 0.500 | 4.130 |
| 1.000 | 3.640 | 4.170 | 2.000 | 7.240 | 1.900 | 7.240 | 1.897 |
| 9.240 | 0.882 | 14.690 | 0.124 | 17.240 | -0.195 | 22.240 | -0.653 |
| 27.240 | -1.072 | 32.240 | -1.651 | 37.240 | -1.449 | 42.240 | -1.618 |
| 47.240 | -1.386 | 52.240 | -1.885 | 57.240 | -2.863 | 62.240 | -3.262 |
| 67.240 | -3.340 | 72.240 | -3.439 | 77.240 | -3.337 | 82.230 | -3.906 |
| 87.230 | -4.074 | 92.230 | -4.403 | 97.230 | -4.831 | 102.230 | -5.330 |
| 107.230 | -5.949 | 112.230 | -6.147 | 117.230 | -6.346 | 122.230 | -6.544 |
| 127.230 | -6.343 | 132.230 | -6.061 | 137.230 | -5.660 | 142.230 | -5.388 |
| 147.230 | -5.237 | 152.230 | -5.135 | 157.230 | -5.034 | 162.230 | -5.052 |
| 167.230 | -4.881 | 172.230 | -4.909 | 177.230 | -4.828 | 182.230 | -4.727 |
| 187.230 | -4.605 | 192.230 | -4.524 | 197.230 | -4.472 | 202.230 | -4.371 |
| 207.230 | -4.399 | 212.230 | -4.298 | 217.230 | -4.096 | 222.230 | -3.895 |
| 227.220 | -3.833 | 232.220 | -3.832 | 237.220 | -3.890 | 242.220 | -3.909 |
| 247.220 | -4.087 | 252.220 | -4.286 | 257.220 | -4.255 | 262.220 | -3.983 |
| 267.220 | -3.982 | 272.220 | -3.980 | 277.220 | -3.949 | 282.220 | -3.897 |
| 287.220 | -3.796 | 292.220 | -3.644 | 297.220 | -3.743 | 302.220 | -3.791 |
| 307.220 | -3.790 | 312.220 | -3.768 | 317.220 | -3.787 | 322.220 | -3.565 |
| 327.220 | -2.564 | 331.220 | -0.483 | 331.820 | 0.217 | 332.720 | 0.395 |
| 333.990 | 0.465 | 333.990 | 0.727 | 343.990 | 0.285 | 353.990 | 0.295 |
| 363.990 | 0.236 | 373.980 | 0.186 | 383.980 | 0.136 | 393.980 | 0.067 |
| 403.980 | 0.037 | 413.980 | -0.032 | 423.980 | 0.008 | 433.980 | 0.109 |
| 443.980 | -0.011 | 453.980 | -0.171 | 459.580 | -0.250 | 463.980 | -0.320 |
| 470.580 | -0.220 | 472.980 | -0.174 | 478.980 | -0.651 | 483.980 | -0.999 |
| 488.980 | -1.167 | 493.980 | -0.965 | 498.980 | -0.893 | 503.980 | -0.890 |
| 508.980 | -0.858 | 513.980 | -0.886 | 518.970 | -0.854 | 523.970 | -0.852 |
| 528.970 | -1.149 | 533.970 | -1.197 | 538.970 | -0.945 | 543.970 | -0.313 |
| 548.970 | -0.241 | 551.970 | -0.299 | 553.970 | -0.369 | 555.970 | -0.298 |
| 556.470 | -1.077 | 558.970 | -1.886 | 563.970 | -1.634 | 568.970 | -0.612 |
| 574.270 | -0.130 | 575.470 | -0.070 | 578.970 | -0.229 | 583.970 | -0.299 |
| 585.070 | -0.439 | 590.720 | 2.473 | 590.720 | 2.469 | 591.940 | 2.519 |
| 594.700 | 2.649 | 596.900 | 2.659 | 597.500 | 2.369 | 598.250 | 2.459 |

S59横断データ (-0.6~56.2).dat

| | | | | | | | |
|---------|--------|---------|--------|---------|--------|---------|--------|
| 598.800 | 2.799 | 599.550 | 2.819 | 602.600 | 2.889 | 605.450 | 2.808 |
| 605.700 | 2.789 | 606.200 | 2.759 | 607.200 | 2.379 | 607.800 | 2.359 |
| 608.200 | 2.669 | 609.200 | 3.049 | 609.700 | 3.069 | 610.700 | 2.689 |
| 614.900 | 2.649 | 615.200 | 2.579 | 616.250 | 2.549 | 616.700 | 2.309 |
| 616.700 | 2.585 | | | | | | |
| 6.4km | 0.000 | | | | 161 | 38 109 | 36 137 |
| -75.000 | 0.101 | -52.100 | 0.101 | -51.600 | 0.041 | -51.400 | -0.969 |
| -51.200 | -1.079 | -51.000 | -1.459 | -48.500 | -1.649 | -45.000 | -1.819 |
| -41.300 | -1.589 | -41.000 | -1.299 | -39.800 | -0.039 | -39.600 | 0.151 |
| -33.200 | 0.131 | -29.400 | 0.131 | -21.600 | -0.019 | -21.000 | -0.219 |
| -19.500 | -0.409 | -18.100 | -0.169 | -16.600 | -0.209 | -16.400 | -0.213 |
| -13.670 | -0.153 | -13.670 | 0.257 | -12.800 | 0.257 | -5.880 | 3.777 |
| -5.600 | 3.767 | -3.000 | 3.857 | -0.600 | 3.947 | -0.350 | 3.947 |
| -0.210 | 4.247 | 0.000 | 4.260 | 0.000 | 4.255 | 0.150 | 4.255 |
| 0.150 | 5.375 | 0.550 | 5.375 | 0.550 | 3.505 | 0.950 | 3.105 |
| 4.150 | 1.465 | 7.190 | 1.405 | 7.190 | 1.407 | 9.290 | 0.369 |
| 11.390 | -0.630 | 12.190 | -0.690 | 17.190 | -2.249 | 22.190 | -3.708 |
| 27.190 | -3.747 | 32.190 | -3.825 | 37.190 | -4.324 | 42.190 | -4.423 |
| 47.190 | -4.542 | 52.190 | -4.620 | 57.190 | -5.369 | 62.190 | -6.298 |
| 67.190 | -5.867 | 72.190 | -5.615 | 77.190 | -5.494 | 82.200 | -5.613 |
| 87.200 | -5.612 | 92.200 | -5.610 | 97.200 | -5.459 | 102.200 | -5.288 |
| 107.200 | -5.027 | 112.200 | -4.855 | 117.200 | -4.654 | 122.200 | -4.683 |
| 127.200 | -4.622 | 132.200 | -4.680 | 137.200 | -4.619 | 142.200 | -4.618 |
| 147.200 | -4.547 | 152.200 | -4.515 | 157.200 | -4.444 | 162.200 | -4.413 |
| 167.200 | -4.412 | 172.200 | -4.390 | 177.200 | -4.269 | 182.200 | -4.338 |
| 187.200 | -4.267 | 192.200 | -4.165 | 197.200 | -4.104 | 202.200 | -4.103 |
| 207.200 | -4.162 | 212.200 | -4.080 | 217.200 | -4.059 | 222.200 | -4.098 |
| 227.210 | -4.057 | 232.210 | -4.055 | 237.210 | -3.994 | 242.210 | -4.023 |
| 247.210 | -3.922 | 252.210 | -3.820 | 257.210 | -3.949 | 262.210 | -3.868 |
| 267.210 | -3.867 | 272.210 | -3.885 | 277.210 | -3.984 | 282.210 | -3.783 |
| 287.210 | -3.642 | 292.210 | -3.580 | 297.210 | -3.609 | 302.210 | -3.808 |
| 307.210 | -3.777 | 312.210 | -3.935 | 317.210 | -3.904 | 322.210 | -3.903 |
| 327.210 | -2.732 | 332.210 | -1.070 | 336.910 | 0.451 | 337.510 | 0.716 |
| 338.980 | 0.746 | 338.980 | 1.037 | 348.980 | 0.822 | 358.980 | 0.902 |
| 368.990 | 0.852 | 378.990 | 0.782 | 388.990 | 0.472 | 398.990 | 0.422 |
| 408.990 | 0.392 | 418.990 | 0.362 | 428.990 | 0.292 | 438.990 | 0.162 |
| 448.990 | -0.148 | 458.990 | -0.368 | 463.990 | -0.408 | 468.990 | -0.508 |
| 478.990 | -0.598 | 488.990 | -0.647 | 498.990 | -0.727 | 508.990 | -0.857 |
| 519.000 | -0.907 | 529.000 | -0.927 | 539.000 | -0.927 | 549.000 | -0.967 |
| 559.000 | -0.957 | 569.000 | -0.577 | 579.300 | -0.437 | 579.350 | -0.427 |
| 585.040 | 2.538 | 585.040 | 2.529 | 586.250 | 2.609 | 586.450 | 2.649 |
| 588.750 | 2.779 | 589.450 | 2.919 | 591.050 | 2.809 | 591.650 | 2.469 |
| 592.150 | 2.489 | 593.450 | 2.929 | 594.100 | 2.959 | 597.050 | 3.049 |
| 599.940 | 3.056 | 600.100 | 3.049 | 600.750 | 2.999 | 601.950 | 2.529 |
| 602.450 | 2.479 | 603.750 | 3.239 | 604.250 | 3.229 | 605.250 | 2.869 |
| 608.950 | 2.739 | 609.250 | 2.689 | 610.300 | 2.629 | 610.750 | 2.409 |
| 610.750 | 2.697 | | | | | | |
| 6.6km | 0.000 | | | | 179 | 40 126 | 38 154 |
| -77.000 | -1.438 | -67.700 | -1.428 | -67.500 | -1.338 | -66.700 | -1.338 |
| -66.500 | -1.508 | -65.400 | -1.508 | -65.400 | -0.958 | -64.500 | -1.048 |
| -57.500 | -1.098 | -48.800 | -1.138 | -48.600 | -1.268 | -47.900 | -1.268 |
| -46.900 | -0.638 | -40.000 | -0.558 | -31.300 | -0.748 | -30.500 | -1.008 |
| -29.200 | -0.978 | -22.850 | 2.537 | -21.300 | 2.587 | -19.000 | 2.587 |
| -17.500 | 2.577 | -15.100 | 2.707 | -14.000 | 2.867 | -10.900 | 4.207 |
| -10.730 | 4.187 | -5.850 | 4.157 | -5.600 | 4.167 | -3.000 | 4.217 |
| -0.550 | 4.227 | -0.300 | 4.227 | -0.160 | 4.537 | 0.000 | 4.524 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 0.000 | 4.522 | 0.220 | 4.522 | 0.220 | 5.402 | 0.620 | 5.402 |
| 0.620 | 3.852 | 1.030 | 3.452 | 4.070 | 1.792 | 7.270 | 1.772 |
| 7.270 | 1.777 | 9.620 | 0.550 | 10.370 | 0.190 | 12.270 | 0.001 |
| 17.270 | -0.648 | 22.270 | -1.497 | 27.270 | -3.065 | 32.280 | -3.694 |
| 37.280 | -4.342 | 42.280 | -4.621 | 47.280 | -4.940 | 52.280 | -5.018 |
| 57.280 | -5.187 | 62.280 | -5.356 | 67.280 | -5.414 | 72.280 | -5.233 |
| 77.280 | -5.152 | 82.290 | -5.010 | 87.290 | -4.909 | 92.290 | -4.828 |
| 97.290 | -4.776 | 102.290 | -4.625 | 107.290 | -4.504 | 112.290 | -4.442 |
| 117.290 | -4.441 | 122.290 | -4.420 | 127.300 | -4.398 | 132.300 | -4.397 |
| 137.300 | -4.416 | 142.300 | -4.364 | 147.300 | -4.413 | 152.300 | -4.391 |
| 157.300 | -4.360 | 162.300 | -4.309 | 167.300 | -4.287 | 172.300 | -4.226 |
| 177.310 | -4.225 | 182.310 | -4.303 | 187.310 | -4.302 | 192.310 | -4.281 |
| 197.310 | -4.249 | 202.310 | -4.218 | 207.310 | -4.177 | 212.310 | -4.175 |
| 217.310 | -4.074 | 222.320 | -4.113 | 227.320 | -4.191 | 232.320 | -4.190 |
| 237.320 | -4.109 | 242.320 | -3.967 | 247.320 | -3.936 | 252.320 | -3.985 |
| 257.320 | -3.883 | 262.320 | -3.882 | 267.320 | -3.880 | 272.330 | -3.729 |
| 277.330 | -3.798 | 282.330 | -3.756 | 287.330 | -3.675 | 292.330 | -3.674 |
| 297.330 | -3.522 | 302.330 | -3.471 | 307.330 | -3.390 | 312.330 | -3.368 |
| 317.340 | -3.347 | 322.340 | -3.316 | 327.340 | -3.214 | 332.340 | -3.043 |
| 337.340 | -2.962 | 342.340 | -2.810 | 347.340 | -2.659 | 352.340 | -2.478 |
| 357.340 | -2.276 | 362.340 | -2.055 | 367.350 | -1.654 | 372.350 | -1.152 |
| 377.350 | -1.031 | 382.350 | -0.929 | 387.350 | -0.928 | 392.350 | -1.047 |
| 397.350 | -1.095 | 402.350 | -0.744 | 407.350 | -0.563 | 412.360 | -0.301 |
| 417.360 | 0.210 | 420.760 | 0.661 | 420.760 | 0.661 | 420.760 | 0.895 |
| 430.760 | 0.467 | 440.760 | 0.317 | 450.760 | 0.318 | 460.770 | 0.218 |
| 462.770 | 0.298 | 463.770 | 0.018 | 465.070 | -0.042 | 466.270 | 0.248 |
| 470.770 | 0.168 | 480.770 | 0.138 | 490.770 | 0.109 | 500.770 | 0.059 |
| 510.780 | 0.019 | 520.780 | -0.001 | 530.780 | -0.240 | 540.780 | -0.270 |
| 547.780 | -0.190 | 553.780 | -0.270 | 557.790 | -0.770 | 561.990 | -0.669 |
| 562.390 | -0.259 | 563.290 | -0.119 | 565.790 | -0.269 | 568.390 | -0.049 |
| 572.890 | 0.021 | 578.000 | 2.640 | 578.000 | 2.627 | 579.270 | 2.657 |
| 579.420 | 2.697 | 585.120 | 2.897 | 586.420 | 3.277 | 587.020 | 3.287 |
| 588.920 | 2.467 | 589.620 | 2.477 | 590.220 | 2.827 | 591.370 | 2.967 |
| 594.320 | 3.047 | 597.280 | 3.040 | 597.520 | 3.027 | 597.820 | 3.027 |
| 598.620 | 2.727 | 599.020 | 2.417 | 599.520 | 2.427 | 599.820 | 2.887 |
| 600.720 | 3.157 | 601.220 | 3.077 | 602.120 | 2.767 | 602.670 | 2.757 |
| 603.770 | 2.647 | 604.220 | 2.427 | 604.220 | 2.744 | | |
| 6.8km | 0.000 | | | | 158 | 29 117 | 27 138 |
| -80.000 | -1.440 | -60.000 | -1.400 | -53.600 | -1.240 | -40.500 | -1.250 |
| -40.000 | -0.870 | -38.000 | -0.650 | -30.000 | -0.480 | -21.000 | -0.550 |
| -19.900 | -0.560 | -18.400 | 0.170 | -17.000 | 0.650 | -16.700 | 0.630 |
| -16.130 | 0.625 | -13.500 | 0.685 | -5.800 | 4.415 | -5.500 | 4.415 |
| -3.000 | 4.465 | -0.550 | 4.535 | -0.270 | 4.535 | -0.150 | 4.845 |
| 0.000 | 4.855 | 0.000 | 4.843 | 0.140 | 4.843 | 0.140 | 5.463 |
| 0.540 | 5.463 | 0.540 | 4.273 | 1.000 | 3.773 | 4.200 | 2.233 |
| 7.470 | 2.113 | 7.470 | 2.119 | 7.770 | 1.884 | 10.120 | 0.762 |
| 11.120 | 0.432 | 12.470 | 0.163 | 17.460 | 0.094 | 22.460 | 0.036 |
| 27.460 | -0.133 | 32.460 | -0.282 | 37.450 | -0.330 | 42.450 | -0.649 |
| 47.450 | -0.848 | 52.450 | -1.126 | 57.440 | -1.505 | 62.440 | -1.903 |
| 67.440 | -2.472 | 72.430 | -3.521 | 77.430 | -4.099 | 82.430 | -4.238 |
| 87.430 | -4.337 | 92.420 | -4.415 | 97.420 | -4.314 | 102.420 | -4.333 |
| 107.410 | -4.311 | 112.410 | -4.210 | 117.410 | -4.208 | 122.410 | -4.207 |
| 127.400 | -4.126 | 132.400 | -4.084 | 137.400 | -4.083 | 142.400 | -4.102 |
| 147.390 | -4.080 | 152.390 | -4.099 | 157.390 | -4.097 | 162.380 | -4.146 |
| 167.380 | -4.215 | 172.380 | -4.213 | 177.380 | -4.212 | 182.370 | -4.291 |
| 187.370 | -4.389 | 192.370 | -4.488 | 197.360 | -4.486 | 202.360 | -4.565 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 207.360 | -4.664 | 212.360 | -4.662 | 217.350 | -4.631 | 222.350 | -4.680 |
| 227.350 | -4.678 | 232.350 | -4.677 | 237.340 | -4.676 | 242.340 | -4.724 |
| 247.340 | -4.793 | 252.330 | -5.021 | 257.330 | -5.150 | 262.330 | -5.269 |
| 267.330 | -5.347 | 272.320 | -5.586 | 277.320 | -5.665 | 282.320 | -5.683 |
| 287.320 | -5.762 | 292.310 | -5.810 | 297.310 | -5.739 | 302.310 | -6.008 |
| 307.300 | -5.956 | 312.300 | -5.955 | 317.300 | -6.054 | 322.300 | -6.072 |
| 327.290 | -6.071 | 332.290 | -6.229 | 337.290 | -6.148 | 342.280 | -5.997 |
| 347.280 | -5.845 | 352.280 | -5.544 | 357.280 | -5.123 | 362.270 | -4.591 |
| 367.270 | -2.820 | 372.270 | -1.719 | 377.270 | -1.637 | 382.260 | -1.636 |
| 387.260 | -1.734 | 392.260 | -1.753 | 397.250 | -1.652 | 402.250 | -1.550 |
| 407.250 | -1.079 | 412.250 | -0.678 | 417.240 | 0.144 | 422.240 | 0.255 |
| 424.540 | 0.876 | 424.540 | 0.296 | 424.540 | 0.296 | 424.540 | 0.667 |
| 434.530 | 0.320 | 444.530 | 0.291 | 454.520 | 0.232 | 464.520 | 0.222 |
| 474.510 | 0.133 | 484.510 | 0.133 | 494.500 | 0.164 | 504.490 | 0.134 |
| 514.490 | 0.085 | 524.480 | -0.004 | 534.480 | -0.184 | 546.470 | -0.103 |
| 548.470 | -0.363 | 554.470 | -0.393 | 555.170 | -0.553 | 560.460 | -0.342 |
| 562.360 | -0.312 | 567.640 | 2.544 | 567.640 | 2.529 | 568.940 | 2.599 |
| 569.640 | 2.609 | 571.140 | 2.759 | 577.640 | 2.849 | 583.640 | 2.929 |
| 585.740 | 2.819 | 586.440 | 2.529 | 587.340 | 2.509 | 587.740 | 2.809 |
| 591.140 | 2.919 | 591.280 | 3.038 | 594.440 | 3.159 | 597.840 | 3.099 |
| 597.890 | 3.099 | 598.090 | 3.049 | 598.090 | 2.939 | 599.190 | 2.849 |
| 599.640 | 2.649 | 599.640 | 2.970 | | | | |
| 7.0km | 0.000 | | | | 173 | 73 134 | 41 146 |
| -78.000 | -1.436 | -67.000 | -1.416 | -66.000 | -1.146 | -66.000 | -0.626 |
| -65.900 | -0.626 | -65.900 | -1.176 | -65.200 | -1.176 | -65.200 | -0.606 |
| -60.700 | -0.746 | -59.700 | -1.536 | -59.500 | -1.836 | -59.000 | -2.036 |
| -57.700 | -1.536 | -56.000 | -0.916 | -54.100 | 0.324 | -40.000 | 0.314 |
| -32.200 | 0.704 | -30.000 | 1.613 | -26.700 | 2.007 | -25.200 | 2.547 |
| -19.230 | 2.967 | -12.700 | 2.917 | -12.100 | 2.767 | -12.100 | 2.457 |
| -11.650 | 2.457 | -11.650 | 2.747 | -11.400 | 2.747 | -8.600 | 2.737 |
| -5.800 | 4.077 | -5.500 | 4.067 | -3.000 | 4.087 | -0.530 | 4.077 |
| -0.230 | 4.087 | -0.130 | 4.317 | 0.000 | 4.315 | 0.000 | 4.312 |
| 0.200 | 4.312 | 0.200 | 5.492 | 0.600 | 5.492 | 0.600 | 3.602 |
| 1.050 | 3.152 | 2.850 | 2.202 | 10.000 | 2.062 | 20.000 | 1.852 |
| 32.000 | 1.752 | 40.000 | 1.642 | 50.000 | 1.532 | 60.000 | 1.422 |
| 70.000 | 1.362 | 80.000 | 1.332 | 87.000 | 1.332 | 87.800 | 1.322 |
| 88.930 | 1.312 | 88.930 | 1.307 | 90.880 | 0.273 | 91.930 | -0.207 |
| 93.930 | -0.178 | 98.930 | -0.169 | 103.930 | -0.160 | 108.930 | -0.152 |
| 113.930 | -0.193 | 118.930 | -0.214 | 123.930 | -0.256 | 128.930 | -0.187 |
| 133.930 | -0.198 | 138.930 | -0.220 | 143.930 | -0.241 | 148.930 | -0.242 |
| 153.930 | -0.334 | 158.930 | -0.495 | 163.930 | -0.606 | 168.930 | -0.918 |
| 173.930 | -1.149 | 178.930 | -2.350 | 183.930 | -3.152 | 188.930 | -3.773 |
| 193.930 | -3.954 | 198.930 | -4.176 | 203.930 | -4.407 | 208.930 | -4.558 |
| 213.930 | -4.760 | 218.930 | -4.781 | 223.930 | -5.012 | 228.930 | -5.184 |
| 233.930 | -5.285 | 238.930 | -5.266 | 243.930 | -5.368 | 248.930 | -5.619 |
| 253.930 | -5.720 | 258.930 | -6.022 | 263.930 | -6.273 | 268.930 | -6.324 |
| 273.930 | -6.906 | 278.930 | -7.197 | 283.930 | -7.278 | 288.930 | -7.300 |
| 293.930 | -7.261 | 298.930 | -7.302 | 303.930 | -7.064 | 308.930 | -7.035 |
| 313.930 | -6.966 | 318.930 | -6.838 | 323.930 | -6.789 | 328.940 | -6.710 |
| 333.940 | -6.772 | 338.940 | -6.813 | 343.940 | -6.844 | 348.940 | -6.795 |
| 353.940 | -6.797 | 358.940 | -6.798 | 363.940 | -6.719 | 368.940 | -6.751 |
| 373.940 | -6.682 | 378.940 | -6.603 | 383.940 | -6.355 | 388.940 | -6.086 |
| 393.940 | -5.807 | 398.940 | -5.729 | 403.940 | -5.660 | 408.940 | -5.531 |
| 413.940 | -5.663 | 418.940 | -5.614 | 423.940 | -5.535 | 428.940 | -5.617 |
| 433.940 | -5.438 | 438.940 | -3.569 | 443.940 | -2.221 | 448.940 | -1.122 |
| 453.940 | -0.783 | 455.440 | -0.474 | 455.640 | 0.176 | 456.740 | 0.431 |

S59横断データ (-0.6~56.2). dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 456.940 | 0.701 | 458.900 | 0.941 | 458.900 | 1.227 | 468.900 | 0.910 |
| 478.900 | 0.700 | 488.900 | 0.570 | 498.900 | 0.491 | 508.900 | 0.371 |
| 518.900 | 0.271 | 528.900 | 0.152 | 538.900 | 0.072 | 548.900 | 0.093 |
| 555.900 | 0.293 | 561.000 | 2.743 | 562.400 | 2.713 | 562.720 | 2.713 |
| 562.720 | 2.830 | 562.720 | 2.716 | 562.420 | 2.766 | 567.420 | 2.706 |
| 572.420 | 2.716 | 575.220 | 2.816 | 576.420 | 2.666 | 578.920 | 2.696 |
| 579.820 | 2.906 | 580.320 | 2.906 | 582.420 | 2.416 | 582.720 | 2.416 |
| 583.720 | 2.676 | 587.620 | 2.626 | 587.770 | 2.716 | 590.720 | 2.876 |
| 593.620 | 3.076 | 595.120 | 3.026 | 595.620 | 3.076 | 595.620 | 3.196 |
| 595.820 | 3.196 | 595.820 | 3.086 | 596.970 | 3.016 | 597.420 | 2.786 |
| 597.420 | 3.077 | | | | | | |
| 7.2km | 0.000 | | | | 158 | 72 130 | 35 130 |
| -80.000 | -1.564 | -67.300 | -1.544 | -66.700 | -1.084 | -62.300 | -1.024 |
| -60.800 | -0.944 | -59.200 | -0.994 | -54.600 | -1.054 | -43.700 | -0.794 |
| -43.000 | -0.794 | -42.900 | -0.504 | -41.400 | -0.284 | -41.100 | 1.046 |
| -39.800 | 1.096 | -39.800 | 1.446 | -38.750 | 1.440 | -26.850 | 1.440 |
| -26.150 | 1.440 | -25.500 | 1.430 | -23.450 | 1.410 | -23.300 | 1.410 |
| -23.300 | 1.150 | -22.950 | 1.150 | -22.700 | 1.850 | -22.450 | 1.850 |
| -20.750 | 2.441 | -20.000 | 2.581 | -17.300 | 2.741 | -16.000 | 2.961 |
| -13.000 | 4.491 | -11.350 | 5.631 | -9.200 | 5.681 | -8.040 | 6.231 |
| -5.000 | 6.271 | -1.100 | 6.201 | 0.000 | 6.099 | 0.000 | 5.671 |
| 1.000 | 5.141 | 6.400 | 2.451 | 10.750 | 2.231 | 12.020 | 2.201 |
| 12.430 | 2.011 | 20.000 | 1.921 | 30.000 | 1.675 | 40.000 | 1.560 |
| 50.000 | 1.460 | 60.000 | 1.390 | 68.000 | 1.390 | 70.000 | 1.430 |
| 79.000 | 1.350 | 80.000 | 1.320 | 81.220 | 1.310 | 81.220 | 1.308 |
| 84.120 | -0.095 | 86.220 | -0.125 | 91.230 | -0.065 | 101.230 | 0.174 |
| 111.240 | 0.304 | 121.240 | 0.304 | 131.250 | 0.194 | 141.250 | 0.053 |
| 151.260 | 0.003 | 161.260 | -0.077 | 171.270 | 0.172 | 181.270 | 0.022 |
| 191.280 | 0.172 | 201.280 | 0.121 | 211.290 | 0.251 | 221.290 | 0.351 |
| 231.300 | 0.431 | 234.700 | 0.530 | 234.700 | 0.758 | 236.000 | 0.529 |
| 239.300 | -0.011 | 239.300 | -0.456 | 239.700 | -0.836 | 244.700 | -1.854 |
| 249.700 | -4.273 | 254.710 | -5.171 | 259.710 | -5.350 | 264.710 | -5.369 |
| 269.710 | -5.397 | 274.720 | -5.366 | 279.720 | -5.394 | 284.720 | -5.443 |
| 289.720 | -5.192 | 294.730 | -4.960 | 299.730 | -4.719 | 304.730 | -4.757 |
| 309.730 | -4.816 | 314.740 | -4.934 | 319.740 | -5.183 | 324.740 | -5.232 |
| 329.740 | -5.350 | 334.750 | -5.179 | 339.750 | -5.277 | 344.750 | -5.206 |
| 349.750 | -5.205 | 354.760 | -5.223 | 359.760 | -5.142 | 364.760 | -5.100 |
| 369.760 | -5.299 | 374.770 | -5.418 | 379.770 | -5.536 | 384.770 | -5.565 |
| 389.770 | -5.633 | 394.780 | -5.642 | 399.780 | -5.661 | 404.780 | -5.689 |
| 409.780 | -5.828 | 414.790 | -5.786 | 419.790 | -5.755 | 424.790 | -5.784 |
| 429.790 | -5.882 | 434.800 | -5.921 | 439.800 | -5.849 | 444.800 | -5.998 |
| 449.800 | -6.017 | 454.810 | -6.095 | 459.810 | -6.144 | 464.810 | -6.112 |
| 469.820 | -5.691 | 474.820 | -5.410 | 479.820 | -5.008 | 484.820 | -3.687 |
| 489.830 | -1.185 | 494.830 | -0.604 | 496.830 | -0.383 | 505.030 | 0.626 |
| 507.330 | 0.826 | 508.130 | 0.546 | 513.340 | 0.546 | 515.940 | 0.956 |
| 518.790 | 1.726 | 519.540 | 1.716 | 519.540 | 2.430 | 519.540 | 2.431 |
| 519.710 | 2.431 | 519.840 | 1.361 | 520.190 | 1.361 | 520.190 | 1.071 |
| 520.490 | 1.071 | 520.490 | 1.361 | 523.540 | 1.461 | 527.040 | 1.411 |
| 527.240 | 1.401 | 527.240 | 1.091 | 527.540 | 1.091 | 527.540 | 1.381 |
| 527.690 | 1.391 | 527.690 | 1.571 | 527.890 | 1.571 | 528.440 | 1.821 |
| 530.940 | 3.151 | 536.040 | 3.421 | 538.460 | 3.601 | 538.460 | 3.781 |
| 539.540 | 3.701 | 539.540 | 3.996 | | | | |
| 7.4km | 0.000 | | | | 153 | 72 136 | 39 140 |
| -80.000 | -1.403 | -74.000 | -1.403 | -73.200 | -0.653 | -72.800 | -0.653 |
| -71.700 | -0.673 | -70.200 | -0.733 | -69.700 | -0.683 | -68.400 | -1.713 |
| -68.200 | -1.873 | -67.500 | -2.113 | -66.200 | -1.713 | -65.900 | -0.723 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| -58.300 | -0.663 | -48.250 | -0.413 | -46.000 | -0.459 | -45.200 | 1.716 |
| -40.000 | 1.776 | -33.800 | 1.726 | -32.100 | 1.576 | -31.800 | 0.706 |
| -29.000 | 0.206 | -27.300 | 0.716 | -22.820 | 2.949 | -21.700 | 3.049 |
| -17.700 | 3.109 | -17.650 | 3.199 | -17.300 | 3.239 | -16.500 | 3.489 |
| -13.300 | 3.469 | -12.750 | 3.509 | -12.700 | 3.619 | -12.200 | 3.739 |
| -8.130 | 5.799 | -7.800 | 5.929 | -7.600 | 5.879 | -5.000 | 5.929 |
| -1.500 | 5.849 | -0.930 | 5.749 | 0.000 | 5.444 | 0.000 | 5.178 |
| 5.500 | 2.088 | 8.000 | 1.748 | 10.000 | 1.658 | 23.000 | 1.648 |
| 31.000 | 1.591 | 40.000 | 1.524 | 50.000 | 1.424 | 60.000 | 1.434 |
| 63.950 | 1.384 | 65.000 | 1.344 | 65.000 | 1.348 | 69.500 | 0.166 |
| 75.010 | 0.077 | 85.020 | 0.127 | 90.020 | 0.248 | 100.030 | -0.132 |
| 102.030 | 0.008 | 110.040 | 0.199 | 120.050 | 0.169 | 125.050 | -0.260 |
| 127.550 | 0.180 | 132.060 | -0.010 | 134.060 | -0.230 | 135.060 | -0.370 |
| 140.060 | -0.269 | 141.570 | -0.799 | 142.070 | -0.729 | 146.570 | -0.189 |
| 148.070 | 0.202 | 155.080 | -0.068 | 165.090 | 0.143 | 175.100 | 0.564 |
| 185.100 | 0.384 | 193.310 | -0.127 | 195.110 | -0.357 | 200.120 | -0.725 |
| 205.120 | -1.123 | 210.130 | -1.871 | 215.130 | -2.270 | 220.130 | -2.738 |
| 225.140 | -2.936 | 230.140 | -3.215 | 235.150 | -3.433 | 240.150 | -3.511 |
| 245.160 | -3.509 | 250.160 | -3.528 | 255.160 | -3.526 | 260.170 | -3.554 |
| 265.170 | -3.583 | 270.180 | -3.651 | 275.180 | -3.649 | 280.190 | -3.797 |
| 285.190 | -4.076 | 290.190 | -4.174 | 295.200 | -4.542 | 300.200 | -4.671 |
| 305.210 | -4.789 | 310.210 | -4.807 | 315.220 | -4.785 | 320.220 | -4.864 |
| 325.230 | -4.982 | 330.230 | -5.000 | 335.230 | -5.078 | 340.240 | -5.157 |
| 345.240 | -5.155 | 350.250 | -5.393 | 355.250 | -5.572 | 360.260 | -5.620 |
| 365.260 | -5.768 | 370.260 | -6.016 | 375.270 | -6.085 | 380.270 | -6.063 |
| 385.280 | -6.111 | 390.280 | -6.110 | 395.290 | -6.158 | 400.290 | -6.176 |
| 405.290 | -6.154 | 410.300 | -6.353 | 415.300 | -6.531 | 420.310 | -6.549 |
| 425.310 | -6.427 | 430.320 | -5.996 | 435.320 | -6.044 | 440.320 | -6.622 |
| 445.330 | -6.561 | 450.330 | -5.839 | 455.340 | -4.587 | 460.340 | -2.385 |
| 465.350 | -1.384 | 469.000 | -1.062 | 470.950 | -0.732 | 473.750 | -0.511 |
| 475.150 | -0.030 | 480.580 | 3.006 | 480.580 | 2.974 | 481.430 | 3.034 |
| 484.430 | 3.184 | 486.960 | 3.244 | 487.030 | 3.334 | 490.230 | 3.374 |
| 493.330 | 3.274 | 494.530 | 3.164 | 495.280 | 2.844 | 495.580 | 2.844 |
| 496.930 | 3.474 | 497.380 | 3.474 | 498.230 | 3.144 | 501.930 | 3.064 |
| 503.930 | 2.994 | 504.250 | 2.924 | 505.480 | 2.954 | 505.930 | 2.684 |
| 505.930 | 2.986 | | | | | | |
| 7.6km | 0.000 | | | | 142 | 57 118 | 26 128 |
| -77.000 | 0.449 | -74.900 | 0.499 | -74.700 | 1.199 | -73.300 | 1.389 |
| -70.900 | 1.389 | -69.100 | 1.299 | -61.900 | 1.229 | -61.900 | 1.349 |
| -58.000 | 1.349 | -58.000 | 1.239 | -52.400 | 1.169 | -50.000 | 1.089 |
| -40.000 | 0.989 | -25.300 | 0.999 | -24.600 | 0.769 | -21.700 | 0.829 |
| -19.380 | 1.969 | -17.300 | 2.049 | -15.400 | 2.139 | -11.750 | 4.119 |
| -11.000 | 4.249 | -9.700 | 4.819 | -8.360 | 5.629 | -7.700 | 5.589 |
| -5.000 | 5.649 | -1.200 | 5.609 | -0.970 | 5.259 | 0.000 | 5.088 |
| 0.000 | 4.761 | 4.350 | 2.511 | 5.500 | 2.291 | 10.000 | 2.151 |
| 20.000 | 2.011 | 30.000 | 2.001 | 40.000 | 1.943 | 50.000 | 1.973 |
| 60.000 | 1.943 | 71.500 | 1.983 | 71.650 | 1.953 | 72.800 | 1.883 |
| 72.800 | 1.891 | 76.000 | 0.322 | 82.800 | 0.272 | 92.810 | 0.122 |
| 102.810 | -0.068 | 112.810 | -0.128 | 122.820 | -0.067 | 132.820 | -0.037 |
| 137.320 | 0.003 | 142.820 | -0.227 | 151.330 | -0.427 | 155.830 | -0.197 |
| 162.830 | -0.047 | 172.830 | 0.273 | 178.840 | 0.553 | 181.840 | 1.003 |
| 183.540 | 0.933 | 183.540 | 1.131 | 188.540 | 0.393 | 191.040 | 0.071 |
| 193.540 | -0.198 | 198.540 | -0.746 | 203.540 | -1.304 | 208.550 | -1.572 |
| 213.550 | -1.921 | 218.550 | -2.369 | 223.550 | -2.497 | 228.550 | -2.915 |
| 233.550 | -3.194 | 238.560 | -3.412 | 243.560 | -3.530 | 248.560 | -3.628 |
| 253.560 | -3.656 | 258.560 | -3.705 | 263.560 | -3.723 | 268.570 | -3.481 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 273.570 | -3.519 | 278.570 | -3.478 | 283.570 | -3.496 | 288.570 | -3.344 |
| 293.570 | -3.342 | 298.580 | -3.341 | 303.580 | -3.469 | 308.580 | -3.937 |
| 313.580 | -4.305 | 318.580 | -4.564 | 323.580 | -4.802 | 328.590 | -4.830 |
| 333.590 | -4.898 | 338.590 | -4.926 | 343.590 | -5.155 | 348.590 | -5.373 |
| 353.590 | -5.371 | 358.600 | -5.489 | 363.600 | -5.868 | 368.600 | -5.966 |
| 373.600 | -6.084 | 378.600 | -6.362 | 383.600 | -6.541 | 388.610 | -6.579 |
| 393.610 | -6.677 | 398.610 | -6.755 | 403.610 | -6.773 | 408.610 | -6.852 |
| 413.610 | -7.400 | 418.620 | -7.848 | 423.620 | -8.326 | 428.620 | -8.265 |
| 433.620 | -7.743 | 438.620 | -6.621 | 443.620 | -6.339 | 448.630 | -6.388 |
| 453.630 | -6.016 | 458.630 | -5.434 | 463.630 | -4.252 | 468.630 | -4.210 |
| 473.640 | -2.809 | 477.840 | -1.107 | 478.640 | -0.757 | 481.340 | -0.626 |
| 484.040 | 0.175 | 488.300 | 3.017 | 488.300 | 3.004 | 489.480 | 3.044 |
| 490.630 | 3.124 | 492.360 | 3.244 | 492.730 | 3.434 | 495.630 | 3.504 |
| 497.780 | 3.514 | 497.880 | 3.574 | 500.930 | 3.604 | 503.880 | 3.554 |
| 503.980 | 3.464 | 506.630 | 3.434 | 508.580 | 3.354 | 508.830 | 3.274 |
| 509.830 | 3.184 | 511.830 | 3.114 | 511.930 | 3.064 | 513.180 | 2.984 |
| 513.630 | 2.744 | 513.630 | 3.098 | | | | |
| 7.8km | 0.000 | | | | 149 | 61 130 | 30 140 |
| -81.500 | -0.962 | -53.000 | -0.962 | -44.100 | -0.952 | -44.000 | -0.622 |
| -43.100 | -0.482 | -42.900 | 0.128 | -36.000 | 0.218 | -32.200 | 0.108 |
| -31.800 | 0.018 | -28.500 | 0.018 | -27.000 | 0.518 | -26.500 | 0.198 |
| -26.500 | -0.102 | -26.200 | -0.102 | -26.200 | 0.188 | -26.000 | 0.248 |
| -25.700 | 1.138 | -25.300 | 1.138 | -24.930 | 1.238 | -20.800 | 3.208 |
| -20.000 | 3.418 | -17.500 | 3.398 | -16.350 | 3.548 | -16.300 | 3.718 |
| -15.450 | 3.768 | -11.640 | 5.398 | -10.800 | 5.388 | -8.000 | 5.458 |
| -5.400 | 5.418 | -4.300 | 5.468 | -3.930 | 5.268 | -3.000 | 5.138 |
| -3.000 | 4.807 | 1.600 | 2.377 | 7.000 | 2.237 | 17.000 | 2.107 |
| 27.000 | 2.027 | 37.000 | 1.933 | 47.000 | 1.833 | 57.000 | 1.743 |
| 67.000 | 1.693 | 71.000 | 1.683 | 80.850 | 1.623 | 81.930 | 1.623 |
| 81.930 | 1.638 | 84.680 | 0.279 | 91.940 | 0.219 | 99.440 | 0.270 |
| 101.940 | 0.240 | 106.950 | 0.200 | 111.950 | 0.050 | 116.950 | -0.180 |
| 121.960 | -0.120 | 126.960 | -0.099 | 131.960 | -0.019 | 136.970 | 0.061 |
| 141.970 | 0.271 | 151.980 | 0.431 | 155.480 | 0.621 | 160.480 | 1.422 |
| 160.980 | 1.002 | 165.390 | 0.337 | 166.990 | -0.013 | 171.990 | -0.461 |
| 176.990 | -0.959 | 182.000 | -1.177 | 187.000 | -1.256 | 192.000 | -1.474 |
| 197.010 | -1.602 | 202.010 | -1.620 | 207.010 | -1.619 | 212.020 | -1.647 |
| 217.020 | -1.695 | 222.030 | -1.694 | 227.030 | -1.742 | 232.030 | -1.740 |
| 237.040 | -1.788 | 242.040 | -1.817 | 247.040 | -1.855 | 252.050 | -1.933 |
| 257.050 | -2.011 | 262.050 | -2.050 | 267.060 | -2.078 | 272.060 | -2.026 |
| 277.060 | -1.975 | 282.070 | -1.973 | 287.070 | -2.041 | 292.070 | -2.119 |
| 297.080 | -2.168 | 302.080 | -2.296 | 307.080 | -2.514 | 312.090 | -2.612 |
| 317.090 | -2.891 | 322.090 | -3.189 | 327.100 | -3.427 | 332.100 | -3.776 |
| 337.100 | -4.084 | 342.110 | -4.202 | 347.110 | -4.480 | 352.110 | -4.649 |
| 357.120 | -4.797 | 362.120 | -5.095 | 367.120 | -5.373 | 372.130 | -5.562 |
| 377.130 | -5.770 | 382.130 | -5.938 | 387.140 | -6.036 | 392.140 | -6.085 |
| 397.140 | -6.303 | 402.150 | -6.431 | 407.150 | -6.630 | 412.150 | -6.678 |
| 417.160 | -6.776 | 422.160 | -7.054 | 427.160 | -7.073 | 432.170 | -7.191 |
| 437.170 | -7.569 | 442.170 | -7.887 | 447.180 | -8.016 | 452.180 | -8.064 |
| 457.180 | -8.462 | 462.190 | -8.681 | 467.190 | -8.939 | 472.190 | -8.557 |
| 477.200 | -7.975 | 482.200 | -6.004 | 487.210 | -5.072 | 492.210 | -4.000 |
| 497.210 | -2.028 | 502.220 | -0.897 | 507.220 | -0.545 | 512.220 | -0.393 |
| 513.720 | -0.363 | 516.020 | -0.412 | 518.080 | 0.459 | 523.600 | 3.588 |
| 523.600 | 3.563 | 524.670 | 3.623 | 527.570 | 3.823 | 531.070 | 4.013 |
| 532.070 | 4.163 | 532.720 | 4.453 | 533.070 | 4.393 | 536.070 | 4.393 |
| 538.970 | 4.343 | 539.670 | 4.273 | 540.120 | 3.553 | 540.570 | 3.313 |
| 540.570 | 3.618 | | | | | | |

S59横断データ (-0.6~56.2). dat

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|---------|--------|---------|--------|---------|--------|---------|-----|--------|-----|
| 8.0km | 0.000 | | | | 164 | 51 | 150 | 39 | 158 |
| -78.500 | -0.190 | -76.800 | -0.230 | -75.400 | -0.410 | -74.300 | | -1.500 | |
| -74.300 | -1.710 | -74.300 | -1.930 | -72.100 | -2.000 | -71.900 | | -1.710 | |
| -71.800 | -1.460 | -70.500 | -0.900 | -70.500 | -0.120 | -68.800 | | -0.040 | |
| -64.500 | -0.040 | -61.000 | -0.120 | -60.800 | 0.870 | -55.500 | | 0.970 | |
| -48.100 | 0.850 | -47.900 | -0.180 | -47.200 | -0.050 | -42.750 | | 0.220 | |
| -36.000 | 0.620 | -33.000 | 0.939 | -29.500 | 1.199 | -28.050 | | 1.319 | |
| -28.000 | 1.499 | -24.700 | 3.199 | -23.650 | 3.240 | -20.500 | | 3.389 | |
| -17.680 | 3.439 | -17.680 | 3.179 | -17.450 | 3.179 | -17.450 | | 3.409 | |
| -17.300 | 3.509 | -13.300 | 3.889 | -11.500 | 4.299 | -9.140 | | 5.439 | |
| -8.500 | 5.619 | -6.000 | 5.549 | -3.000 | 5.409 | -2.000 | | 5.229 | |
| -1.000 | 4.997 | -1.000 | 4.700 | 3.550 | 2.310 | 9.000 | | 2.190 | |
| 19.000 | 2.150 | 29.000 | 2.037 | 39.000 | 1.962 | 49.000 | | 1.882 | |
| 59.000 | 1.832 | 69.000 | 1.812 | 78.000 | 1.852 | 78.350 | | 1.822 | |
| 79.400 | 1.802 | 79.400 | 1.812 | 81.650 | 0.756 | 82.200 | | 0.506 | |
| 84.400 | 0.455 | 89.410 | 0.354 | 94.410 | 0.253 | 99.410 | | 0.052 | |
| 104.420 | -0.199 | 109.420 | -0.350 | 114.420 | -0.601 | 119.430 | | -0.802 | |
| 124.430 | -0.773 | 129.430 | -0.854 | 134.440 | -1.155 | 139.440 | | -1.256 | |
| 144.440 | -1.357 | 149.450 | -1.458 | 154.450 | -1.459 | 159.450 | | -1.461 | |
| 164.460 | -1.462 | 169.460 | -1.363 | 174.460 | -1.314 | 179.470 | | -1.365 | |
| 184.470 | -1.366 | 189.470 | -1.367 | 194.480 | -1.368 | 199.480 | | -1.319 | |
| 204.480 | -1.320 | 209.490 | -1.221 | 214.490 | -1.172 | 219.490 | | -1.123 | |
| 224.500 | -0.874 | 229.500 | -0.675 | 234.500 | -0.546 | 239.510 | | -0.377 | |
| 244.510 | -0.199 | 249.510 | -0.210 | 254.520 | -0.081 | 259.520 | | -0.032 | |
| 264.520 | -0.233 | 269.530 | -0.384 | 274.530 | -0.285 | 279.530 | | -0.586 | |
| 284.540 | -0.887 | 289.540 | -1.138 | 294.540 | -1.489 | 299.550 | | -2.090 | |
| 304.550 | -2.441 | 309.550 | -3.012 | 314.560 | -3.043 | 319.560 | | -3.074 | |
| 324.560 | -3.095 | 329.570 | -3.247 | 334.570 | -3.718 | 339.570 | | -4.119 | |
| 344.580 | -4.200 | 349.580 | -4.351 | 354.580 | -4.452 | 359.590 | | -4.603 | |
| 364.590 | -4.604 | 369.590 | -4.555 | 374.600 | -4.706 | 379.600 | | -4.887 | |
| 384.600 | -5.058 | 389.610 | -5.289 | 394.610 | -5.210 | 399.610 | | -5.211 | |
| 404.620 | -5.632 | 409.620 | -5.713 | 414.620 | -5.715 | 419.630 | | -5.766 | |
| 424.630 | -5.837 | 429.630 | -6.018 | 434.640 | -6.319 | 439.640 | | -6.370 | |
| 444.640 | -6.371 | 449.650 | -6.422 | 454.650 | -6.973 | 459.650 | | -7.374 | |
| 464.660 | -7.725 | 469.660 | -8.406 | 474.660 | -8.947 | 479.670 | | -8.878 | |
| 484.670 | -6.849 | 489.670 | -4.780 | 494.680 | -2.852 | 499.680 | | -2.613 | |
| 504.680 | -2.414 | 509.690 | -1.735 | 514.690 | -1.536 | 519.690 | | -1.637 | |
| 524.700 | -0.958 | 529.700 | -0.789 | 534.700 | -0.440 | 538.510 | | 0.229 | |
| 539.110 | 0.659 | 544.660 | 3.264 | 544.660 | 3.252 | 545.900 | | 3.302 | |
| 548.000 | 3.312 | 548.800 | 3.472 | 549.700 | 3.892 | 550.300 | | 3.952 | |
| 553.690 | 5.632 | 554.400 | 5.692 | 557.600 | 5.742 | 560.700 | | 5.672 | |
| 561.200 | 5.652 | 561.800 | 5.232 | 562.700 | 4.852 | 562.700 | | 5.173 | |
| 8.2km | 0.000 | | | | 181 | 46 | 155 | 34 | 162 |
| -76.400 | -0.192 | -75.600 | 0.038 | -74.000 | 0.058 | -72.100 | | -0.062 | |
| -71.300 | -0.112 | -69.800 | -1.442 | -69.800 | -1.722 | -69.800 | | -2.252 | |
| -67.300 | -2.252 | -67.300 | -1.722 | -67.200 | -1.342 | -66.600 | | -0.962 | |
| -66.200 | -0.962 | -66.000 | -1.242 | -56.100 | -1.242 | -52.500 | | -1.212 | |
| -51.500 | -0.452 | -47.800 | -0.402 | -46.400 | 0.598 | -41.000 | | 0.648 | |
| -33.000 | 0.748 | -24.600 | 0.938 | -22.500 | 0.998 | -21.300 | | 0.898 | |
| -21.100 | 1.168 | -19.930 | 1.750 | -17.500 | 1.720 | -15.900 | | 1.840 | |
| -13.400 | 2.760 | -11.500 | 4.050 | -10.000 | 4.610 | -8.180 | | 5.610 | |
| -5.000 | 5.710 | -1.500 | 5.610 | -1.000 | 5.330 | 0.000 | | 5.148 | |
| 0.000 | 4.869 | 3.800 | 2.879 | 16.000 | 2.789 | 20.000 | | 2.709 | |
| 30.000 | 2.651 | 40.000 | 2.586 | 50.000 | 2.546 | 62.000 | | 2.506 | |
| 69.000 | 2.496 | 71.950 | 2.436 | 73.150 | 2.376 | 73.150 | | 2.382 | |
| 75.800 | 1.069 | 76.350 | 1.049 | 79.300 | 0.889 | 80.000 | | 0.888 | |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 80.000 | 0.528 | 80.000 | -0.552 | 83.160 | -0.453 | 84.760 | -0.034 |
| 88.160 | 0.325 | 93.160 | 0.343 | 98.170 | 0.171 | 103.170 | -0.271 |
| 108.180 | -0.583 | 113.180 | -0.955 | 118.180 | -1.038 | 123.190 | -1.320 |
| 128.190 | -1.492 | 133.190 | -1.644 | 138.200 | -1.866 | 143.200 | -2.048 |
| 148.200 | -2.050 | 153.210 | -2.102 | 158.210 | -2.084 | 163.210 | -2.107 |
| 168.220 | -2.009 | 173.220 | -1.911 | 178.230 | -1.913 | 183.230 | -1.835 |
| 188.230 | -1.017 | 193.240 | -0.519 | 198.240 | -0.321 | 203.240 | -0.173 |
| 208.250 | -0.126 | 213.250 | -0.128 | 218.250 | 0.170 | 223.260 | 0.438 |
| 223.960 | 0.468 | 223.960 | 0.468 | 223.960 | 0.700 | 233.970 | 0.647 |
| 243.970 | 0.626 | 253.980 | 0.766 | 260.690 | 1.175 | 264.490 | 1.325 |
| 266.990 | 0.915 | 269.690 | 0.874 | 271.160 | 1.134 | 271.160 | 1.361 |
| 271.760 | 1.124 | 271.910 | 0.814 | 275.170 | 0.349 | 276.170 | 0.199 |
| 281.170 | -0.603 | 286.170 | -1.125 | 291.180 | -1.607 | 296.180 | -1.859 |
| 301.180 | -2.011 | 306.190 | -5.063 | 311.190 | -5.215 | 316.200 | -5.286 |
| 321.200 | -5.348 | 326.200 | -5.320 | 331.210 | -5.222 | 336.210 | -5.294 |
| 341.210 | -5.256 | 346.220 | -5.278 | 351.220 | -5.230 | 356.220 | -5.202 |
| 361.230 | -5.103 | 366.230 | -5.205 | 371.230 | -5.237 | 376.240 | -5.269 |
| 381.240 | -5.341 | 386.250 | -5.243 | 391.250 | -5.345 | 396.250 | -5.297 |
| 401.260 | -5.278 | 406.260 | -5.280 | 411.260 | -5.252 | 416.270 | -5.254 |
| 421.270 | -5.226 | 426.270 | -5.288 | 431.280 | -5.310 | 436.280 | -5.292 |
| 441.290 | -5.264 | 446.290 | -5.295 | 451.290 | -5.497 | 456.300 | -5.469 |
| 461.300 | -5.521 | 466.300 | -5.773 | 471.310 | -5.925 | 476.310 | -6.077 |
| 481.310 | -6.199 | 486.320 | -6.310 | 491.320 | -6.232 | 496.330 | -6.014 |
| 501.330 | -5.836 | 506.330 | -5.788 | 511.340 | -4.820 | 516.340 | -3.422 |
| 521.340 | -1.044 | 526.350 | -0.546 | 531.350 | -0.047 | 536.350 | 0.051 |
| 539.560 | 0.129 | 539.810 | 0.249 | 544.860 | 2.965 | 544.860 | 2.957 |
| 545.870 | 2.897 | 546.170 | 2.917 | 548.670 | 3.027 | 553.670 | 5.187 |
| 553.990 | 5.217 | 559.770 | 5.477 | 564.670 | 5.117 | 565.970 | 4.467 |
| 570.770 | 4.267 | 575.320 | 4.047 | 575.770 | 3.967 | 579.970 | 2.017 |
| 581.220 | 1.837 | 581.220 | 1.397 | 581.670 | 1.397 | 581.670 | 1.847 |
| 584.320 | 2.107 | 586.570 | 3.877 | 587.170 | 3.917 | 590.170 | 4.057 |
| 593.470 | 4.047 | 593.770 | 4.027 | 594.820 | 3.387 | 595.770 | 2.997 |
| 595.770 | 3.315 | | | | | | |
| 8.4km | 0.000 | | | | 185 | 40 144 | 26 150 |
| -77.700 | -0.060 | -77.000 | -0.090 | -75.300 | -1.690 | -73.100 | -2.210 |
| -73.000 | -1.690 | -72.900 | -1.340 | -72.500 | -1.140 | -59.400 | -1.150 |
| -59.400 | -0.500 | -50.000 | -0.320 | -42.200 | -0.240 | -41.700 | 0.640 |
| -40.000 | 0.660 | -29.000 | 0.780 | -24.450 | 0.770 | -24.100 | 0.760 |
| -22.200 | 1.056 | -21.900 | 1.216 | -20.100 | 1.626 | -15.700 | 1.816 |
| -14.500 | 2.076 | -12.000 | 4.036 | -10.400 | 4.496 | -8.060 | 5.736 |
| -5.000 | 5.716 | -1.400 | 5.646 | -1.000 | 5.376 | 0.000 | 5.162 |
| 0.000 | 4.884 | 3.550 | 3.054 | 4.500 | 2.954 | 10.000 | 2.884 |
| 20.000 | 2.824 | 30.000 | 2.726 | 40.000 | 2.630 | 50.000 | 2.530 |
| 60.000 | 2.480 | 71.500 | 2.440 | 72.350 | 2.400 | 73.440 | 2.390 |
| 73.440 | 2.395 | 76.140 | 1.043 | 76.640 | 1.013 | 79.740 | 0.863 |
| 80.500 | 0.863 | 80.500 | -0.567 | 83.450 | -0.527 | 85.050 | -0.277 |
| 88.450 | 0.233 | 93.450 | 0.284 | 98.460 | 0.314 | 99.960 | 0.534 |
| 101.460 | 0.394 | 103.760 | 0.080 | 108.470 | -0.301 | 113.470 | -0.522 |
| 118.470 | -0.724 | 123.480 | -0.875 | 128.480 | -1.016 | 133.480 | -1.077 |
| 138.490 | -1.228 | 143.490 | -1.409 | 148.500 | -1.481 | 153.500 | -1.532 |
| 158.500 | -2.983 | 163.510 | -4.034 | 168.510 | -4.235 | 173.510 | -3.516 |
| 178.520 | -1.987 | 183.520 | -1.459 | 188.520 | -1.890 | 193.530 | -2.291 |
| 198.530 | -2.442 | 203.540 | -2.543 | 208.540 | -2.694 | 213.540 | -2.496 |
| 218.550 | -2.227 | 223.550 | -2.068 | 228.550 | -1.949 | 233.560 | -2.170 |
| 238.560 | -2.271 | 243.570 | -2.303 | 248.570 | -2.404 | 253.570 | -3.775 |
| 258.580 | -4.456 | 263.580 | -4.677 | 268.580 | -4.538 | 273.590 | -3.980 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 278.590 | -3.341 | 283.600 | -2.882 | 288.600 | -2.683 | 293.600 | -3.314 |
| 298.610 | -4.545 | 303.610 | -5.967 | 308.610 | -5.468 | 313.620 | -4.569 |
| 318.620 | -4.290 | 323.620 | -4.291 | 328.630 | -4.352 | 333.630 | -4.624 |
| 338.640 | -4.795 | 343.640 | -4.896 | 348.640 | -4.977 | 353.650 | -5.158 |
| 358.650 | -5.229 | 363.650 | -5.261 | 368.660 | -5.202 | 373.660 | -5.233 |
| 378.670 | -5.014 | 383.670 | -5.285 | 388.670 | -5.186 | 393.680 | -5.167 |
| 398.680 | -5.389 | 403.680 | -5.290 | 408.690 | -5.411 | 413.690 | -5.242 |
| 418.690 | -5.443 | 423.700 | -5.344 | 428.700 | -5.296 | 433.710 | -5.247 |
| 438.710 | -5.278 | 443.710 | -5.279 | 448.720 | -5.380 | 453.720 | -5.451 |
| 458.720 | -5.403 | 463.730 | -5.404 | 468.730 | -5.455 | 473.740 | -5.426 |
| 478.740 | -5.357 | 483.740 | -5.408 | 488.750 | -5.530 | 493.750 | -5.611 |
| 498.750 | -5.512 | 503.760 | -4.993 | 508.760 | -4.334 | 513.770 | -2.215 |
| 518.770 | -0.837 | 523.470 | -0.258 | 523.570 | -0.018 | 523.770 | 0.316 |
| 527.780 | 0.696 | 534.780 | 0.567 | 541.790 | 0.447 | 546.990 | 3.061 |
| 546.990 | 3.051 | 548.090 | 3.081 | 549.790 | 3.071 | 551.090 | 3.191 |
| 555.310 | 5.311 | 559.990 | 5.571 | 566.290 | 5.241 | 567.790 | 4.511 |
| 573.490 | 4.261 | 577.570 | 4.040 | 583.690 | 1.100 | 587.490 | 1.110 |
| 590.490 | 1.060 | 590.990 | 0.710 | 592.090 | 0.700 | 592.590 | 1.040 |
| 596.290 | 1.210 | 598.490 | 1.420 | 601.490 | 1.470 | 604.490 | 1.320 |
| 606.190 | 1.160 | 613.490 | 1.320 | 617.990 | 1.280 | 619.690 | 1.100 |
| 621.490 | 1.240 | 624.990 | 1.260 | 627.990 | 1.140 | 632.890 | 2.380 |
| 635.490 | 2.920 | 636.990 | 2.990 | 638.490 | 3.210 | 639.890 | 3.730 |
| 640.390 | 3.750 | 640.690 | 3.700 | 643.690 | 3.830 | 646.690 | 3.880 |
| 646.990 | 3.980 | 647.490 | 3.940 | 648.090 | 3.420 | 648.490 | 3.200 |
| 648.490 | 3.508 | | | | | | |
| 8.6km | 0.000 | | | | 186 | 52 153 | 40 160 |
| -79.100 | 0.118 | -75.300 | 0.048 | -74.800 | 0.008 | -74.800 | -0.792 |
| -74.600 | -1.862 | -72.200 | -1.862 | -72.200 | -0.962 | -71.800 | -0.962 |
| -71.800 | -0.162 | -69.500 | -0.192 | -68.400 | -0.212 | -67.400 | -0.872 |
| -67.400 | -1.052 | -66.600 | -1.052 | -66.600 | -0.872 | -60.400 | -0.622 |
| -54.700 | -0.482 | -53.200 | 0.248 | -50.000 | 0.248 | -47.000 | 0.418 |
| -45.800 | 1.118 | -44.000 | 1.157 | -24.400 | 1.023 | -24.300 | 0.393 |
| -24.000 | 0.353 | -21.850 | 0.363 | -21.850 | 0.603 | -21.670 | 0.603 |
| -21.670 | 0.303 | -21.400 | 0.303 | -20.900 | 1.163 | -19.730 | 1.690 |
| -17.500 | 1.810 | -15.600 | 1.910 | -14.500 | 2.390 | -11.600 | 4.270 |
| -10.600 | 4.460 | -8.150 | 5.750 | -5.000 | 5.750 | -1.400 | 5.690 |
| -1.050 | 5.450 | 0.000 | 5.241 | 0.000 | 4.949 | 3.600 | 3.099 |
| 10.000 | 2.899 | 20.000 | 2.769 | 30.000 | 2.678 | 40.000 | 2.588 |
| 50.000 | 2.518 | 60.000 | 2.478 | 68.600 | 2.408 | 69.790 | 2.368 |
| 69.790 | 2.374 | 72.340 | 1.018 | 72.940 | 0.998 | 76.090 | 0.868 |
| 76.840 | 0.868 | 76.840 | -0.672 | 81.400 | -0.362 | 84.800 | 0.278 |
| 94.800 | 0.199 | 104.810 | -0.061 | 106.710 | -0.144 | 109.810 | -0.295 |
| 114.820 | -0.546 | 119.820 | -0.847 | 124.820 | -1.128 | 129.830 | -1.299 |
| 134.830 | -1.379 | 139.830 | -1.530 | 144.830 | -1.621 | 149.840 | -1.752 |
| 154.840 | -1.823 | 159.840 | -1.854 | 164.850 | -1.805 | 169.850 | -1.806 |
| 174.850 | -1.757 | 179.850 | -1.808 | 184.860 | -1.759 | 189.860 | -1.790 |
| 194.860 | -1.761 | 199.870 | -1.812 | 204.870 | -1.863 | 209.870 | -1.914 |
| 214.870 | -1.965 | 219.880 | -2.216 | 224.880 | -3.017 | 229.880 | -3.118 |
| 234.890 | -3.069 | 239.890 | -3.090 | 244.890 | -3.021 | 249.900 | -2.992 |
| 254.900 | -3.052 | 259.900 | -3.193 | 264.900 | -3.254 | 269.910 | -3.395 |
| 274.910 | -3.596 | 279.910 | -3.757 | 284.920 | -3.928 | 289.920 | -3.929 |
| 294.920 | -3.960 | 299.920 | -3.961 | 304.930 | -4.032 | 309.930 | -4.133 |
| 314.930 | -4.104 | 319.940 | -4.235 | 324.940 | -4.386 | 329.940 | -4.337 |
| 334.950 | -4.538 | 339.950 | -4.489 | 344.950 | -4.540 | 349.950 | -4.741 |
| 354.960 | -4.812 | 359.960 | -4.973 | 364.960 | -5.094 | 369.970 | -5.015 |
| 374.970 | -5.045 | 379.970 | -5.196 | 384.970 | -5.247 | 389.980 | -5.348 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 394.980 | -5.349 | 399.980 | -5.520 | 404.990 | -5.481 | 409.990 | -5.522 |
| 414.990 | -5.553 | 420.000 | -5.584 | 425.000 | -5.655 | 430.000 | -5.656 |
| 435.000 | -5.607 | 440.010 | -5.658 | 445.010 | -5.659 | 450.010 | -5.590 |
| 455.020 | -5.631 | 460.020 | -5.592 | 465.020 | -5.563 | 470.020 | -5.564 |
| 475.030 | -5.565 | 480.030 | -5.616 | 485.030 | -5.617 | 490.040 | -5.768 |
| 495.040 | -5.518 | 500.040 | -5.939 | 505.040 | -5.800 | 510.050 | -5.941 |
| 515.050 | -4.222 | 520.050 | -0.673 | 522.050 | -0.224 | 524.560 | 0.103 |
| 525.760 | 0.853 | 530.060 | 0.644 | 540.070 | 0.354 | 542.270 | 0.374 |
| 547.470 | 2.988 | 547.470 | 2.973 | 548.520 | 3.013 | 548.670 | 3.033 |
| 550.370 | 3.113 | 551.270 | 3.273 | 555.790 | 5.383 | 561.170 | 5.603 |
| 566.820 | 5.323 | 570.070 | 3.693 | 571.320 | 3.523 | 572.510 | 3.483 |
| 576.170 | 1.683 | 579.670 | 1.723 | 586.670 | 1.573 | 591.670 | 1.393 |
| 595.670 | 1.423 | 597.170 | 1.573 | 601.670 | 1.493 | 611.670 | 1.563 |
| 618.670 | 1.643 | 624.670 | 2.123 | 626.970 | 2.833 | 628.470 | 2.803 |
| 628.970 | 3.053 | 630.270 | 3.413 | 633.370 | 4.023 | 633.870 | 4.073 |
| 636.870 | 4.243 | 640.020 | 4.323 | 640.570 | 4.343 | 641.170 | 4.093 |
| 641.670 | 3.903 | 641.670 | 4.211 | | | | |
| 8.8km | 0.000 | | | | 181 | 57 152 | 44 160 |
| -80.000 | -1.159 | -73.200 | -1.179 | -72.300 | -0.619 | -71.300 | -0.479 |
| -71.300 | -0.219 | -71.100 | -0.219 | -70.600 | -1.289 | -70.500 | -1.429 |
| -69.100 | -1.429 | -69.000 | -1.289 | -68.500 | -0.119 | -67.700 | -0.079 |
| -64.500 | -0.139 | -63.500 | -0.249 | -62.300 | -1.429 | -62.300 | -1.669 |
| -62.300 | -2.119 | -60.100 | -2.119 | -60.000 | -1.669 | -59.900 | -1.379 |
| -59.000 | -0.889 | -58.000 | -0.709 | -54.800 | -0.679 | -54.600 | 0.541 |
| -52.600 | 0.541 | -25.100 | 0.634 | -23.500 | 0.454 | -23.300 | 0.354 |
| -22.550 | 0.344 | -22.550 | 0.444 | -22.400 | 0.444 | -22.400 | 0.154 |
| -22.000 | 0.154 | -21.550 | 1.214 | -20.800 | 1.614 | -20.180 | 1.701 |
| -16.300 | 1.821 | -15.700 | 1.931 | -12.700 | 3.891 | -12.000 | 4.191 |
| -11.100 | 4.331 | -8.080 | 5.751 | -5.000 | 5.751 | -1.000 | 5.691 |
| -0.700 | 5.291 | 0.000 | 5.238 | 0.000 | 4.934 | 1.100 | 4.354 |
| 2.930 | 3.374 | 3.650 | 2.994 | 15.000 | 2.804 | 30.000 | 2.624 |
| 40.000 | 2.486 | 50.000 | 2.445 | 62.000 | 2.475 | 66.350 | 2.445 |
| 67.530 | 2.385 | 67.530 | 2.384 | 70.130 | 1.038 | 70.670 | 1.018 |
| 73.800 | 0.888 | 74.580 | 0.888 | 74.580 | -0.852 | 77.530 | -0.472 |
| 79.330 | 0.038 | 87.540 | 0.317 | 97.540 | 0.377 | 107.540 | -0.263 |
| 112.340 | -0.463 | 112.540 | -0.603 | 117.540 | -0.873 | 122.550 | -1.463 |
| 127.550 | -2.463 | 132.550 | -2.533 | 137.550 | -2.542 | 142.550 | -2.402 |
| 147.550 | -2.112 | 152.550 | -2.292 | 157.560 | -3.072 | 162.560 | -3.461 |
| 167.560 | -3.511 | 172.560 | -3.961 | 177.560 | -4.261 | 182.560 | -4.341 |
| 187.560 | -4.540 | 192.570 | -4.640 | 197.570 | -4.780 | 202.570 | -4.660 |
| 207.570 | -4.660 | 212.570 | -4.579 | 217.570 | -4.279 | 222.580 | -4.379 |
| 227.580 | -4.379 | 232.580 | -4.208 | 237.580 | -4.038 | 242.580 | -3.738 |
| 247.580 | -3.578 | 252.580 | -3.458 | 257.590 | -3.407 | 262.590 | -3.277 |
| 267.590 | -3.277 | 272.590 | -3.477 | 277.590 | -3.577 | 282.590 | -3.636 |
| 287.590 | -3.836 | 292.600 | -3.706 | 297.600 | -3.936 | 302.600 | -4.036 |
| 307.600 | -4.255 | 312.600 | -4.305 | 317.600 | -4.435 | 322.600 | -4.475 |
| 327.610 | -4.475 | 332.610 | -4.704 | 337.610 | -4.834 | 342.610 | -4.874 |
| 347.610 | -4.804 | 352.610 | -4.933 | 357.610 | -4.933 | 362.620 | -4.903 |
| 367.620 | -4.873 | 372.620 | -4.873 | 377.620 | -4.802 | 382.620 | -4.902 |
| 387.620 | -4.972 | 392.620 | -4.972 | 397.630 | -5.002 | 402.630 | -5.101 |
| 407.630 | -5.051 | 412.630 | -5.201 | 417.630 | -5.351 | 422.630 | -5.371 |
| 427.630 | -5.400 | 432.640 | -5.370 | 437.640 | -5.400 | 442.640 | -5.530 |
| 447.640 | -5.550 | 452.640 | -5.629 | 457.640 | -5.949 | 462.640 | -5.969 |
| 467.650 | -6.049 | 472.650 | -6.068 | 477.650 | -6.048 | 482.650 | -5.398 |
| 487.650 | -2.568 | 492.650 | -2.098 | 497.660 | -1.697 | 502.660 | -1.607 |
| 507.660 | -1.147 | 512.660 | -0.527 | 513.160 | -0.447 | 519.660 | 0.263 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 527.660 | 0.253 | 543.470 | 0.032 | 549.030 | 2.829 | 549.030 | 2.798 |
| 550.070 | 2.878 | 552.970 | 3.038 | 557.770 | 5.228 | 558.380 | 5.288 |
| 562.870 | 5.568 | 568.870 | 5.238 | 570.270 | 4.578 | 573.870 | 4.408 |
| 579.910 | 4.108 | 580.070 | 4.088 | 584.170 | 1.988 | 585.370 | 1.838 |
| 587.170 | 2.198 | 588.470 | 2.958 | 591.670 | 3.418 | 594.270 | 3.658 |
| 595.270 | 4.088 | 595.970 | 4.118 | 598.920 | 4.248 | 602.020 | 4.238 |
| 602.570 | 4.248 | 602.770 | 4.258 | 603.420 | 3.778 | 603.870 | 3.538 |
| 603.870 | 3.818 | | | | | | |
| 9.0km | 0.000 | | | | 166 | 61 145 | 36 159 |
| -80.000 | -1.146 | -70.200 | -1.146 | -69.100 | -0.426 | -68.300 | -0.146 |
| -68.100 | -0.146 | -67.500 | -1.326 | -66.100 | -1.326 | -65.600 | -0.076 |
| -64.800 | -0.016 | -61.400 | -0.026 | -60.500 | -0.156 | -59.000 | -1.596 |
| -56.500 | -1.596 | -56.500 | -1.316 | -56.300 | -1.116 | -55.300 | -0.936 |
| -55.300 | -1.066 | -38.000 | -1.076 | -34.000 | -1.096 | -33.800 | 0.692 |
| -30.850 | 0.692 | -27.800 | 0.662 | -23.200 | 0.792 | -23.100 | 0.592 |
| -22.000 | 0.452 | -21.850 | 0.452 | -21.850 | 0.142 | -21.500 | 0.142 |
| -20.900 | 1.246 | -20.200 | 1.680 | -15.500 | 1.810 | -14.500 | 2.080 |
| -11.960 | 4.010 | -8.120 | 5.780 | -5.000 | 5.810 | -1.200 | 5.770 |
| -0.650 | 5.330 | 0.000 | 5.319 | 0.000 | 5.001 | 1.100 | 4.441 |
| 2.950 | 3.451 | 3.950 | 2.931 | 15.000 | 2.821 | 30.000 | 2.711 |
| 40.000 | 2.581 | 50.000 | 2.531 | 55.500 | 2.511 | 62.000 | 2.511 |
| 65.650 | 2.451 | 66.820 | 2.421 | 66.820 | 2.429 | 69.520 | 1.037 |
| 70.020 | 1.027 | 73.070 | 0.908 | 73.870 | 0.908 | 73.870 | -0.512 |
| 76.820 | -0.362 | 78.620 | 0.158 | 86.820 | 0.499 | 96.820 | 0.630 |
| 106.820 | 0.511 | 116.820 | -0.248 | 118.920 | -0.368 | 121.820 | -0.547 |
| 126.820 | -0.805 | 131.820 | -0.884 | 136.820 | -1.042 | 141.820 | -1.041 |
| 146.820 | -1.099 | 151.820 | -1.168 | 156.820 | -1.216 | 161.820 | -1.405 |
| 166.820 | -1.603 | 171.820 | -1.651 | 176.820 | -1.740 | 181.820 | -1.718 |
| 186.820 | -1.727 | 191.820 | -1.775 | 196.820 | -1.824 | 201.820 | -1.862 |
| 206.820 | -1.831 | 211.820 | -1.829 | 216.820 | -1.838 | 221.820 | -1.786 |
| 226.820 | -1.794 | 231.820 | -2.003 | 236.820 | -3.081 | 241.820 | -3.830 |
| 246.820 | -3.878 | 251.820 | -3.447 | 256.820 | -3.905 | 261.820 | -3.274 |
| 266.820 | -3.322 | 271.820 | -3.200 | 276.820 | -3.199 | 281.820 | -3.397 |
| 286.820 | -3.596 | 291.820 | -3.864 | 296.820 | -4.293 | 301.820 | -4.491 |
| 306.820 | -4.830 | 311.820 | -4.828 | 316.820 | -4.907 | 321.820 | -4.925 |
| 326.820 | -4.903 | 331.820 | -4.902 | 336.820 | -4.900 | 341.820 | -4.979 |
| 346.820 | -5.117 | 351.820 | -5.096 | 356.820 | -5.144 | 361.820 | -5.173 |
| 366.820 | -5.191 | 371.820 | -5.169 | 376.820 | -5.068 | 381.820 | -5.086 |
| 386.820 | -5.205 | 391.820 | -5.263 | 396.820 | -5.232 | 401.820 | -5.280 |
| 406.820 | -5.359 | 411.820 | -5.377 | 416.820 | -5.696 | 421.820 | -5.594 |
| 426.820 | -5.692 | 431.820 | -5.751 | 436.820 | -5.789 | 441.820 | -5.888 |
| 446.820 | -5.886 | 451.820 | -5.945 | 456.820 | -6.043 | 461.820 | -5.142 |
| 465.670 | -5.110 | 466.820 | -5.110 | 471.820 | -5.578 | 476.820 | -6.077 |
| 481.820 | -6.155 | 486.820 | -5.604 | 491.820 | -1.952 | 496.820 | -0.781 |
| 497.120 | -0.621 | 497.020 | -0.251 | 498.520 | 0.049 | 501.420 | 1.070 |
| 502.620 | 1.280 | 506.820 | 0.790 | 516.820 | 0.421 | 521.820 | -0.328 |
| 523.820 | -0.548 | 531.820 | 0.103 | 541.820 | 0.284 | 548.520 | 0.234 |
| 554.440 | 3.361 | 554.440 | 3.345 | 555.560 | 3.505 | 555.890 | 3.565 |
| 559.790 | 3.815 | 564.790 | 3.985 | 568.440 | 4.015 | 568.540 | 4.095 |
| 571.490 | 4.165 | 574.590 | 4.105 | 575.090 | 4.075 | 575.840 | 3.275 |
| 576.790 | 2.845 | 576.790 | 3.190 | | | | |
| 9.2km | 0.000 | | | | 167 | 61 141 | 35 159 |
| -76.500 | -1.766 | -74.900 | -1.766 | -74.550 | -1.206 | -74.050 | -0.246 |
| -73.850 | -0.256 | -73.850 | -0.376 | -73.000 | -0.336 | -69.900 | -0.306 |
| -68.800 | -0.356 | -67.300 | -1.376 | -67.300 | -1.966 | -65.000 | -1.966 |
| -65.000 | -1.466 | -64.900 | -1.356 | -64.300 | -1.026 | -60.000 | -1.106 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| -50.000 | -0.976 | -49.000 | -0.466 | -43.000 | -0.452 | -33.500 | -0.388 |
| -29.000 | 0.332 | -24.500 | 0.502 | -22.750 | 0.542 | -22.600 | 0.542 |
| -22.600 | 0.252 | -22.200 | 0.252 | -21.700 | 1.247 | -20.350 | 1.917 |
| -17.000 | 1.947 | -16.200 | 2.107 | -12.900 | 4.277 | -10.900 | 4.517 |
| -7.910 | 5.917 | -4.500 | 5.857 | -1.000 | 5.797 | -0.750 | 5.327 |
| 0.000 | 5.254 | 0.000 | 4.957 | 0.850 | 4.507 | 2.930 | 3.447 |
| 3.850 | 2.947 | 15.000 | 2.827 | 30.000 | 2.667 | 40.000 | 2.591 |
| 50.000 | 2.506 | 66.000 | 2.456 | 66.180 | 2.436 | 67.350 | 2.396 |
| 67.350 | 2.397 | 70.100 | 1.063 | 70.550 | 1.043 | 73.700 | 0.913 |
| 74.400 | 0.913 | 74.400 | -0.487 | 77.360 | -0.417 | 78.960 | -0.007 |
| 87.360 | 0.563 | 97.370 | 0.583 | 107.370 | 0.533 | 117.380 | 0.264 |
| 125.780 | -0.126 | 127.380 | -0.226 | 132.390 | -0.463 | 137.390 | -0.701 |
| 142.390 | -1.079 | 147.390 | -1.627 | 152.400 | -1.895 | 157.400 | -2.212 |
| 162.400 | -2.260 | 167.410 | -2.388 | 172.410 | -2.286 | 177.410 | -2.204 |
| 182.410 | -2.251 | 187.420 | -2.469 | 192.420 | -2.497 | 197.420 | -2.795 |
| 202.430 | -3.193 | 207.430 | -3.150 | 212.430 | -2.938 | 217.430 | -0.546 |
| 219.240 | -0.085 | 220.840 | 0.485 | 222.840 | 1.275 | 223.070 | 1.305 |
| 223.070 | 1.468 | 226.570 | 1.185 | 233.070 | 1.095 | 238.080 | 1.085 |
| 243.570 | 1.185 | 243.570 | 1.412 | 244.870 | 0.894 | 246.670 | 0.644 |
| 246.970 | 0.244 | 249.020 | -0.036 | 253.570 | -0.674 | 258.580 | -1.182 |
| 263.580 | -1.660 | 268.580 | -1.997 | 273.590 | -4.075 | 278.590 | -4.343 |
| 283.590 | -4.601 | 288.590 | -4.869 | 293.600 | -4.967 | 298.600 | -4.995 |
| 303.600 | -5.012 | 308.610 | -5.090 | 313.610 | -5.058 | 318.610 | -5.306 |
| 323.610 | -5.484 | 328.620 | -5.452 | 333.620 | -5.520 | 338.620 | -5.547 |
| 343.620 | -5.615 | 348.630 | -5.673 | 353.630 | -5.741 | 358.630 | -5.739 |
| 363.640 | -5.807 | 368.640 | -5.805 | 373.640 | -5.832 | 378.640 | -5.830 |
| 383.650 | -5.898 | 388.650 | -5.876 | 393.650 | -5.924 | 398.660 | -5.852 |
| 403.660 | -5.920 | 408.660 | -5.868 | 413.660 | -5.865 | 418.670 | -5.863 |
| 423.670 | -5.811 | 428.670 | -5.809 | 433.680 | -5.857 | 438.680 | -5.805 |
| 443.680 | -5.773 | 448.680 | -5.750 | 453.690 | -5.728 | 458.690 | -5.666 |
| 463.690 | -5.424 | 468.690 | -5.192 | 473.700 | -4.440 | 478.700 | -1.958 |
| 483.700 | -0.735 | 488.710 | -0.583 | 490.010 | 0.067 | 490.210 | 0.277 |
| 492.210 | 0.427 | 499.510 | 0.087 | 508.720 | -0.353 | 513.720 | -0.412 |
| 518.720 | -0.462 | 523.730 | -0.462 | 528.430 | 0.098 | 533.730 | 0.118 |
| 538.730 | -0.112 | 542.340 | -0.122 | 549.430 | 3.527 | 549.430 | 3.508 |
| 550.610 | 3.588 | 554.460 | 3.788 | 557.460 | 3.828 | 561.810 | 3.888 |
| 562.210 | 4.068 | 565.260 | 4.158 | 568.260 | 4.138 | 568.660 | 4.168 |
| 569.010 | 3.828 | 569.460 | 3.638 | 569.460 | 3.953 | | |
| 9.4km | 0.000 | | | | 156 | 62 130 | 28 149 |
| -71.000 | 1.879 | -64.000 | 0.149 | -54.000 | 0.079 | -50.000 | -1.091 |
| -46.600 | -1.001 | -45.800 | -1.001 | -44.500 | -0.151 | -43.000 | 0.059 |
| -28.700 | 0.479 | -28.700 | 0.299 | -28.000 | 0.299 | -28.000 | 0.469 |
| -27.300 | 0.569 | -22.500 | 0.549 | -22.400 | 0.549 | -19.450 | 0.579 |
| -19.300 | 0.579 | -19.300 | 0.279 | -18.950 | 0.279 | -18.500 | 1.199 |
| -17.410 | 1.844 | -14.200 | 1.994 | -13.000 | 2.184 | -10.300 | 3.794 |
| -8.000 | 4.084 | -4.000 | 5.814 | -1.000 | 5.864 | 2.500 | 5.874 |
| 2.900 | 5.754 | 3.350 | 5.334 | 4.000 | 5.339 | 4.000 | 5.011 |
| 5.100 | 4.441 | 6.900 | 3.451 | 7.850 | 2.971 | 19.000 | 2.801 |
| 29.000 | 2.711 | 39.000 | 2.601 | 46.400 | 2.551 | 49.500 | 2.411 |
| 52.200 | 1.821 | 56.280 | 1.731 | 56.280 | 1.732 | 61.680 | 0.360 |
| 63.380 | -0.240 | 64.490 | -0.429 | 66.290 | -0.639 | 71.290 | -1.037 |
| 76.290 | -1.186 | 81.300 | -1.114 | 86.300 | -1.022 | 91.300 | -0.471 |
| 96.300 | -0.479 | 101.310 | -0.637 | 106.310 | -0.765 | 111.310 | -0.874 |
| 116.320 | -1.422 | 121.320 | -1.790 | 126.320 | -1.759 | 131.330 | -1.717 |
| 136.330 | -1.485 | 141.330 | -1.124 | 146.340 | -2.762 | 151.340 | -4.710 |
| 156.340 | -5.009 | 161.340 | -5.307 | 166.350 | -5.605 | 171.350 | -5.684 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 176.350 | -5.622 | 181.360 | -5.450 | 186.360 | -5.599 | 191.360 | -5.597 |
| 196.370 | -5.445 | 201.370 | -5.544 | 206.370 | -5.142 | 211.380 | -5.170 |
| 216.380 | -5.389 | 221.380 | -5.487 | 226.380 | -5.785 | 231.390 | -5.434 |
| 236.390 | -5.362 | 241.390 | -5.530 | 246.400 | -5.399 | 251.400 | -5.497 |
| 256.400 | -5.495 | 261.410 | -5.474 | 266.410 | -5.372 | 271.410 | -5.590 |
| 276.420 | -5.669 | 281.420 | -5.587 | 286.420 | -5.185 | 291.430 | -5.384 |
| 296.430 | -5.542 | 301.430 | -5.610 | 306.430 | -5.859 | 311.440 | -5.937 |
| 316.440 | -6.035 | 321.440 | -6.103 | 326.450 | -6.352 | 331.450 | -6.550 |
| 336.450 | -6.598 | 341.460 | -6.927 | 346.460 | -6.795 | 351.460 | -6.843 |
| 356.470 | -6.992 | 361.470 | -7.140 | 366.470 | -7.058 | 371.470 | -7.037 |
| 376.480 | -6.985 | 381.480 | -7.083 | 386.480 | -7.112 | 391.490 | -7.110 |
| 396.490 | -7.128 | 401.490 | -7.177 | 406.500 | -7.175 | 411.500 | -7.243 |
| 416.500 | -7.002 | 421.510 | -6.540 | 426.510 | -5.198 | 431.510 | -4.397 |
| 436.510 | -3.565 | 441.520 | -1.313 | 446.520 | -0.962 | 451.520 | -0.860 |
| 456.530 | -0.658 | 461.530 | -0.367 | 466.530 | 0.005 | 471.540 | 0.347 |
| 475.090 | 0.498 | 476.540 | 0.618 | 481.540 | 0.627 | 484.670 | 0.517 |
| 486.550 | 0.387 | 491.550 | 0.277 | 496.550 | 0.316 | 501.550 | 0.196 |
| 506.560 | 0.116 | 511.560 | 0.035 | 516.560 | -0.025 | 519.070 | 0.015 |
| 520.270 | 0.534 | 526.220 | 3.655 | 526.220 | 3.644 | 527.320 | 3.684 |
| 528.420 | 3.834 | 531.720 | 3.964 | 536.070 | 4.144 | 536.270 | 4.334 |
| 539.320 | 4.414 | 542.370 | 4.414 | 542.920 | 4.394 | 543.720 | 3.994 |
| 543.720 | 3.614 | 543.770 | 3.614 | 544.220 | 3.424 | 544.220 | 3.719 |
| 9.6km | 0.000 | | | | 153 | 62 127 | 24 145 |
| -78.000 | -0.581 | -70.600 | -0.581 | -65.000 | -0.531 | -54.700 | -0.521 |
| -54.200 | -0.661 | -46.400 | -0.661 | -46.000 | 0.409 | -45.600 | 0.569 |
| -39.500 | 0.649 | -38.500 | 0.459 | -35.000 | 0.429 | -28.400 | 0.639 |
| -25.000 | 0.999 | -24.850 | 0.999 | -24.850 | 0.749 | -24.500 | 0.749 |
| -24.200 | 1.289 | -23.380 | 2.031 | -20.100 | 2.121 | -16.800 | 4.161 |
| -14.800 | 4.401 | -11.980 | 5.681 | -11.400 | 5.931 | -8.000 | 5.951 |
| -4.700 | 5.831 | -4.200 | 5.611 | -0.700 | 5.351 | -0.400 | 5.011 |
| 0.000 | 5.125 | 0.000 | 4.820 | 1.300 | 4.170 | 2.300 | 3.620 |
| 3.630 | 2.920 | 11.300 | 2.840 | 14.800 | 2.800 | 30.000 | 2.650 |
| 40.000 | 2.550 | 50.000 | 2.530 | 58.950 | 2.500 | 60.130 | 2.470 |
| 60.130 | 2.471 | 63.330 | 0.839 | 63.630 | 0.849 | 65.380 | 0.819 |
| 66.100 | 0.819 | 66.100 | 0.161 | 66.100 | -0.579 | 70.880 | -0.560 |
| 75.130 | -0.481 | 80.130 | -0.402 | 85.120 | -0.304 | 90.120 | -0.225 |
| 95.120 | -0.186 | 100.120 | -0.287 | 105.120 | -0.458 | 110.120 | -0.649 |
| 115.120 | -0.710 | 120.120 | -0.702 | 125.120 | -0.713 | 130.110 | -0.544 |
| 135.110 | -0.535 | 140.110 | -1.126 | 145.110 | -4.337 | 150.110 | -5.738 |
| 155.110 | -5.790 | 160.110 | -5.811 | 165.110 | -5.812 | 170.100 | -5.763 |
| 175.100 | -5.844 | 180.100 | -5.865 | 185.100 | -5.716 | 190.100 | -5.818 |
| 195.100 | -5.699 | 200.100 | -5.970 | 205.100 | -5.821 | 210.100 | -5.952 |
| 215.090 | -5.923 | 220.090 | -5.154 | 225.090 | -5.326 | 230.090 | -5.277 |
| 235.090 | -5.278 | 240.090 | -5.729 | 245.090 | -5.630 | 250.090 | -5.761 |
| 255.090 | -5.582 | 260.080 | -5.634 | 265.080 | -5.615 | 270.080 | -5.666 |
| 275.080 | -5.737 | 280.080 | -5.788 | 285.080 | -5.839 | 290.080 | -5.870 |
| 295.080 | -5.892 | 300.080 | -6.073 | 305.070 | -6.324 | 310.070 | -6.475 |
| 315.070 | -6.676 | 320.070 | -6.877 | 325.070 | -6.928 | 330.070 | -7.000 |
| 335.070 | -7.351 | 340.070 | -7.582 | 345.070 | -7.633 | 350.060 | -7.684 |
| 355.060 | -7.835 | 360.060 | -7.906 | 365.060 | -7.908 | 370.060 | -7.889 |
| 375.060 | -6.860 | 380.060 | -5.361 | 385.060 | -4.162 | 390.050 | -2.843 |
| 395.050 | -1.344 | 400.050 | -1.446 | 405.050 | -2.567 | 410.050 | -3.818 |
| 415.050 | -3.949 | 420.050 | -4.920 | 425.050 | -5.771 | 430.050 | -5.802 |
| 435.040 | -5.574 | 440.040 | -4.005 | 445.040 | -1.476 | 450.040 | -0.467 |
| 453.740 | 0.072 | 455.040 | 0.312 | 457.040 | 0.352 | 457.040 | 0.537 |
| 457.040 | 0.365 | 461.640 | -0.261 | 467.040 | -0.525 | 472.040 | -0.556 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 477.040 | -0.516 | 480.580 | -0.261 | 485.430 | 0.304 | 488.530 | 0.164 |
| 493.030 | 0.243 | 499.880 | 3.844 | 499.880 | 3.828 | 501.080 | 3.908 |
| 502.430 | 4.028 | 503.730 | 4.088 | 504.630 | 4.388 | 504.980 | 4.568 |
| 505.530 | 4.658 | 508.330 | 4.688 | 508.380 | 4.778 | 511.530 | 4.878 |
| 514.530 | 4.858 | 515.030 | 4.788 | 515.580 | 4.308 | 516.030 | 4.118 |
| 516.030 | 4.423 | | | | | | |
| 9.8km | 0.000 | | | | 144 | 60 123 | 27 138 |
| -77.000 | 1.799 | -69.800 | 1.749 | -68.800 | 1.729 | -49.500 | 1.773 |
| -49.500 | 0.973 | -45.300 | 0.913 | -37.500 | 0.983 | -34.800 | 0.983 |
| -32.500 | 0.983 | -29.300 | 0.853 | -23.320 | 1.069 | -21.500 | 1.069 |
| -21.150 | 1.089 | -20.650 | 1.099 | -20.500 | 1.099 | -20.500 | 0.839 |
| -20.200 | 0.839 | -19.900 | 1.467 | -18.820 | 2.109 | -18.200 | 2.229 |
| -15.000 | 2.279 | -11.800 | 4.179 | -10.600 | 4.449 | -9.900 | 4.509 |
| -7.400 | 5.699 | -4.500 | 5.809 | -0.500 | 5.589 | 0.550 | 4.999 |
| 1.000 | 5.119 | 1.000 | 4.835 | 1.500 | 4.645 | 2.370 | 4.315 |
| 5.150 | 2.885 | 14.000 | 2.775 | 21.500 | 2.745 | 26.000 | 2.715 |
| 36.000 | 2.615 | 45.800 | 2.565 | 49.000 | 2.435 | 51.100 | 1.865 |
| 54.070 | 1.775 | 54.070 | 1.780 | 62.220 | -0.156 | 64.070 | -0.576 |
| 64.670 | -0.686 | 69.070 | -1.017 | 74.070 | -1.328 | 79.070 | -1.409 |
| 84.070 | -1.859 | 89.070 | -1.910 | 94.070 | -1.411 | 99.070 | -0.811 |
| 104.070 | -0.722 | 109.080 | -0.703 | 114.080 | -0.393 | 119.080 | -0.174 |
| 124.080 | -0.215 | 129.080 | -0.236 | 134.080 | -0.406 | 139.080 | -0.637 |
| 144.080 | -1.048 | 149.080 | -3.418 | 154.080 | -5.219 | 159.080 | -5.520 |
| 164.080 | -5.551 | 169.080 | -5.571 | 174.080 | -5.652 | 179.080 | -5.723 |
| 184.080 | -5.853 | 189.080 | -5.724 | 194.080 | -5.425 | 199.080 | -5.376 |
| 204.080 | -5.226 | 209.090 | -5.357 | 214.090 | -5.658 | 219.090 | -5.328 |
| 224.090 | -5.379 | 229.090 | -5.400 | 234.090 | -5.261 | 239.090 | -5.331 |
| 244.090 | -5.162 | 249.090 | -5.283 | 254.090 | -5.463 | 259.090 | -5.604 |
| 264.090 | -5.665 | 269.090 | -5.686 | 274.090 | -5.966 | 279.090 | -5.937 |
| 284.090 | -6.008 | 289.090 | -6.008 | 294.090 | -5.839 | 299.090 | -5.740 |
| 304.090 | -5.711 | 309.100 | -5.671 | 314.100 | -5.642 | 319.100 | -5.713 |
| 324.100 | -5.773 | 329.100 | -5.974 | 334.100 | -6.045 | 339.100 | -6.276 |
| 344.100 | -6.346 | 349.100 | -6.297 | 354.100 | -6.478 | 359.100 | -6.648 |
| 364.100 | -6.719 | 369.100 | -6.900 | 374.100 | -7.081 | 379.100 | -7.221 |
| 384.100 | -7.282 | 389.100 | -7.303 | 394.100 | -6.603 | 399.100 | -6.724 |
| 404.100 | -5.585 | 409.110 | -5.326 | 414.110 | -5.526 | 419.110 | -5.387 |
| 424.110 | -5.288 | 429.110 | -5.328 | 434.110 | -5.259 | 439.110 | -4.130 |
| 444.110 | -1.350 | 446.810 | -0.211 | 448.710 | 1.089 | 456.300 | 1.313 |
| 456.300 | 1.159 | 466.400 | 0.969 | 476.400 | 0.929 | 486.400 | 0.839 |
| 496.400 | 0.649 | 506.400 | 0.569 | 507.900 | 0.659 | 511.500 | 3.400 |
| 512.100 | 3.470 | 513.700 | 3.620 | 518.900 | 3.700 | 525.200 | 3.730 |
| 527.800 | 5.200 | 528.650 | 5.240 | 531.600 | 5.320 | 534.850 | 5.260 |
| 535.400 | 5.160 | 536.000 | 4.390 | 536.400 | 4.170 | 536.400 | 4.480 |
| 10.0km | 0.000 | | | | 158 | 45 126 | 28 151 |
| -74.000 | 0.600 | -73.000 | 0.600 | -72.800 | -0.270 | -69.000 | -0.200 |
| -68.600 | -0.040 | -54.000 | -0.090 | -44.000 | 0.070 | -43.800 | 1.350 |
| -40.000 | 1.250 | -33.200 | 1.340 | -24.500 | 1.370 | -24.500 | 0.750 |
| -23.400 | 0.770 | -20.050 | 1.040 | -20.050 | 1.210 | -19.900 | 1.210 |
| -19.900 | 0.920 | -19.500 | 0.920 | -19.100 | 1.562 | -18.370 | 2.066 |
| -15.300 | 2.216 | -11.800 | 4.396 | -11.200 | 4.576 | -9.400 | 4.696 |
| -7.130 | 5.746 | -6.800 | 5.856 | -4.000 | 5.886 | -0.200 | 5.716 |
| 0.550 | 5.116 | 1.000 | 5.229 | 1.000 | 4.939 | 1.450 | 4.769 |
| 2.200 | 4.629 | 2.600 | 4.349 | 5.650 | 2.769 | 16.000 | 2.669 |
| 31.000 | 2.559 | 41.000 | 2.499 | 51.000 | 2.449 | 66.000 | 2.322 |
| 74.700 | 2.282 | 74.950 | 2.232 | 75.160 | 2.232 | 75.160 | 2.233 |
| 76.160 | 2.205 | 79.150 | 0.795 | 79.450 | 0.795 | 81.300 | 0.815 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 82.000 | 0.815 | 82.000 | -0.735 | 85.150 | -0.665 | 86.740 | -0.685 |
| 90.140 | -0.426 | 100.120 | -0.346 | 106.610 | -0.296 | 110.110 | -0.116 |
| 115.100 | -0.107 | 122.490 | -0.247 | 125.090 | -0.317 | 130.080 | -0.498 |
| 135.070 | -0.728 | 140.070 | -0.999 | 145.060 | -1.209 | 150.050 | -1.430 |
| 155.050 | -1.500 | 160.040 | -1.601 | 165.030 | -1.901 | 170.020 | -4.252 |
| 175.020 | -4.372 | 180.010 | -4.733 | 185.000 | -5.033 | 190.000 | -6.174 |
| 194.990 | -6.334 | 199.980 | -5.505 | 204.970 | -5.235 | 209.970 | -5.236 |
| 214.960 | -5.336 | 219.950 | -5.377 | 224.950 | -5.607 | 229.940 | -5.608 |
| 234.930 | -5.638 | 239.920 | -5.659 | 244.920 | -5.709 | 249.910 | -5.759 |
| 254.900 | -5.810 | 259.900 | -5.740 | 264.890 | -5.711 | 269.880 | -5.861 |
| 274.870 | -5.982 | 279.870 | -6.012 | 284.860 | -6.043 | 289.850 | -6.043 |
| 294.850 | -6.014 | 299.840 | -5.864 | 304.830 | -5.915 | 309.820 | -5.765 |
| 314.820 | -5.646 | 319.810 | -5.666 | 324.800 | -5.567 | 329.800 | -5.517 |
| 334.790 | -5.548 | 339.780 | -5.648 | 344.770 | -5.469 | 349.770 | -5.549 |
| 354.760 | -5.620 | 359.750 | -5.490 | 364.750 | -5.421 | 369.740 | -5.371 |
| 374.730 | -5.372 | 379.720 | -5.522 | 384.720 | -5.473 | 389.710 | -5.223 |
| 394.700 | -5.374 | 399.700 | -5.294 | 404.690 | -5.275 | 409.680 | -5.295 |
| 414.670 | -5.256 | 419.670 | -5.256 | 424.660 | -5.097 | 429.650 | -5.077 |
| 434.640 | -5.078 | 439.640 | -4.798 | 444.630 | -2.729 | 449.620 | -1.029 |
| 454.620 | -0.280 | 456.210 | 0.540 | 459.610 | 0.801 | 459.610 | 0.582 |
| 467.540 | 0.512 | 480.540 | 0.352 | 487.540 | 0.382 | 494.640 | 0.415 |
| 495.040 | -0.065 | 495.040 | -0.305 | 497.540 | -0.485 | 502.540 | -0.395 |
| 507.540 | -0.235 | 512.540 | -0.555 | 514.640 | -0.335 | 514.840 | -0.035 |
| 515.140 | 0.395 | 522.540 | 0.335 | 532.540 | 0.605 | 537.540 | 0.845 |
| 539.830 | 1.839 | 543.540 | 1.829 | 547.640 | 2.019 | 548.640 | 1.809 |
| 550.840 | 1.949 | 556.340 | 3.569 | 558.790 | 5.289 | 559.340 | 5.359 |
| 562.540 | 5.419 | 565.840 | 5.419 | 566.040 | 5.379 | 567.090 | 4.689 |
| 567.540 | 4.529 | 567.540 | 4.840 | | | | |
| 10.2km | 0.000 | | | | 171 | 48 130 | 33 165 |
| -75.500 | -0.156 | -70.000 | -0.316 | -64.600 | -0.526 | -64.000 | -0.976 |
| -62.000 | -0.936 | -61.500 | -0.526 | -58.000 | -0.486 | -46.000 | -0.296 |
| -45.600 | -0.726 | -44.900 | -0.726 | -44.700 | -0.196 | -43.650 | -0.206 |
| -43.500 | -0.486 | -43.200 | -0.486 | -43.200 | -0.046 | -42.850 | 0.024 |
| -41.450 | 0.024 | -37.000 | 0.024 | -24.600 | 0.224 | -21.250 | 0.724 |
| -21.100 | 0.724 | -21.100 | 0.434 | -20.700 | 0.434 | -20.150 | 1.498 |
| -18.780 | 2.233 | -15.800 | 2.353 | -14.700 | 2.683 | -12.250 | 4.493 |
| -10.600 | 4.633 | -8.260 | 5.833 | -5.000 | 5.913 | -2.000 | 5.863 |
| -1.300 | 5.713 | -0.500 | 5.113 | 0.000 | 5.215 | 0.000 | 4.932 |
| 0.450 | 4.732 | 1.780 | 4.382 | 4.750 | 2.852 | 15.000 | 2.742 |
| 30.000 | 2.502 | 50.000 | 2.435 | 65.000 | 2.367 | 80.000 | 2.317 |
| 84.500 | 2.277 | 84.670 | 2.287 | 84.670 | 2.285 | 85.720 | 2.243 |
| 88.670 | 0.863 | 89.020 | 0.863 | 90.760 | 0.813 | 91.510 | 0.803 |
| 91.510 | -0.757 | 94.660 | -0.718 | 96.010 | -0.628 | 104.650 | -0.108 |
| 108.950 | -0.228 | 109.650 | -0.248 | 114.640 | -0.328 | 119.640 | -0.378 |
| 124.640 | -0.658 | 129.630 | -0.928 | 134.630 | -1.327 | 139.620 | -1.827 |
| 144.620 | -2.277 | 149.620 | -2.477 | 154.610 | -2.907 | 159.610 | -3.127 |
| 164.600 | -3.327 | 169.600 | -3.606 | 174.590 | -4.226 | 179.590 | -4.806 |
| 184.590 | -5.106 | 189.580 | -5.276 | 194.580 | -5.226 | 199.570 | -5.305 |
| 204.570 | -5.545 | 209.570 | -5.705 | 214.560 | -5.625 | 219.560 | -5.605 |
| 224.550 | -5.605 | 229.550 | -5.574 | 234.540 | -5.524 | 239.540 | -5.574 |
| 244.540 | -5.474 | 249.530 | -5.474 | 254.530 | -5.644 | 259.520 | -5.774 |
| 264.520 | -6.003 | 269.510 | -6.223 | 274.510 | -6.323 | 279.510 | -6.723 |
| 284.500 | -6.743 | 289.500 | -6.943 | 294.490 | -7.042 | 299.490 | -7.072 |
| 304.490 | -7.022 | 309.480 | -7.022 | 314.480 | -6.872 | 319.470 | -6.742 |
| 324.470 | -6.701 | 329.460 | -6.641 | 334.460 | -6.371 | 339.460 | -5.871 |
| 344.450 | -5.501 | 349.450 | -5.271 | 354.440 | -5.271 | 359.440 | -5.240 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 364.440 | -5.220 | 369.430 | -5.300 | 374.430 | -5.140 | 379.420 | -5.100 |
| 384.420 | -5.070 | 389.410 | -5.139 | 394.410 | -5.219 | 399.410 | -5.219 |
| 404.400 | -5.119 | 409.400 | -5.169 | 414.390 | -5.239 | 419.390 | -5.569 |
| 424.380 | -5.668 | 429.380 | -5.238 | 434.380 | -5.218 | 439.370 | -5.198 |
| 444.370 | -5.238 | 449.360 | -4.718 | 454.360 | -4.367 | 459.360 | -3.717 |
| 464.350 | -1.257 | 468.050 | -0.217 | 479.340 | 0.622 | 481.440 | 0.302 |
| 489.330 | 0.592 | 499.320 | 0.921 | 501.720 | 0.701 | 507.320 | 0.771 |
| 508.010 | 0.771 | 508.310 | 0.771 | 514.310 | 0.791 | 514.610 | 0.791 |
| 515.610 | 0.791 | 523.100 | 1.010 | 525.820 | 1.645 | 525.820 | 1.335 |
| 534.870 | 1.365 | 542.370 | 1.615 | 543.870 | 1.845 | 547.470 | 1.625 |
| 553.370 | 1.455 | 558.870 | 1.615 | 561.870 | 1.745 | 562.370 | 1.915 |
| 563.170 | 1.935 | 564.670 | 1.185 | 573.870 | 1.515 | 580.370 | 1.785 |
| 582.370 | 2.107 | 586.870 | 2.237 | 591.770 | 2.377 | 593.670 | 2.577 |
| 595.370 | 3.157 | 596.570 | 3.307 | 598.120 | 3.937 | 600.170 | 5.427 |
| 601.270 | 5.457 | 604.470 | 5.457 | 607.670 | 5.397 | 607.920 | 5.027 |
| 608.370 | 4.687 | 608.870 | 4.487 | 608.870 | 4.790 | | |
| 10.4km | 0.000 | | | | 164 | 49 131 | 34 158 |
| -78.000 | -0.184 | -69.800 | -0.134 | -69.400 | -0.294 | -67.200 | -0.284 |
| -67.000 | -0.564 | -56.700 | -0.624 | -55.800 | -0.944 | -53.800 | -0.944 |
| -49.400 | -0.684 | -49.400 | 0.426 | -48.800 | 0.426 | -46.300 | 0.446 |
| -45.900 | 0.446 | -45.900 | -0.534 | -44.500 | -0.534 | -44.400 | 0.386 |
| -43.400 | 0.346 | -25.400 | 0.521 | -25.200 | 0.521 | -25.200 | 0.571 |
| -23.800 | 0.751 | -22.200 | 0.731 | -22.050 | 0.731 | -22.050 | 0.431 |
| -21.700 | 0.431 | -21.150 | 1.471 | -20.320 | 1.967 | -16.400 | 2.277 |
| -11.900 | 4.587 | -10.700 | 4.717 | -8.370 | 5.897 | -5.300 | 5.917 |
| -2.400 | 5.867 | -1.400 | 5.647 | -0.400 | 5.037 | 0.000 | 5.197 |
| 0.000 | 4.877 | 0.500 | 4.697 | 1.330 | 4.427 | 4.400 | 2.887 |
| 15.000 | 2.767 | 25.000 | 2.637 | 35.000 | 2.497 | 45.000 | 2.457 |
| 55.000 | 2.387 | 65.000 | 2.377 | 71.830 | 2.327 | 71.830 | 2.331 |
| 74.830 | 2.217 | 85.160 | -0.144 | 86.810 | -0.603 | 89.510 | -1.143 |
| 91.800 | -1.163 | 96.800 | -1.323 | 101.790 | -1.422 | 106.780 | -1.382 |
| 111.780 | -1.441 | 116.770 | -1.571 | 121.760 | -1.610 | 126.760 | -1.990 |
| 131.750 | -2.580 | 136.750 | -2.819 | 141.740 | -3.139 | 146.730 | -3.288 |
| 151.730 | -3.418 | 156.720 | -3.657 | 161.710 | -3.957 | 166.710 | -4.137 |
| 171.700 | -4.186 | 176.690 | -4.316 | 181.690 | -4.555 | 186.680 | -4.655 |
| 191.670 | -4.934 | 196.670 | -5.114 | 201.660 | -5.114 | 206.650 | -5.133 |
| 211.650 | -5.183 | 216.640 | -5.132 | 221.630 | -5.252 | 226.630 | -5.581 |
| 231.620 | -5.631 | 236.610 | -5.631 | 241.610 | -5.710 | 246.600 | -5.750 |
| 251.600 | -5.679 | 256.590 | -5.749 | 261.580 | -5.828 | 266.580 | -5.848 |
| 271.570 | -5.907 | 276.560 | -5.877 | 281.560 | -6.007 | 286.550 | -6.046 |
| 291.540 | -6.076 | 296.540 | -6.125 | 301.530 | -6.175 | 306.520 | -6.204 |
| 311.520 | -6.404 | 316.510 | -6.574 | 321.500 | -6.543 | 326.500 | -6.373 |
| 331.490 | -5.802 | 336.480 | -5.742 | 341.480 | -5.841 | 346.470 | -5.821 |
| 351.460 | -5.771 | 356.460 | -5.670 | 361.450 | -5.600 | 366.450 | -5.599 |
| 371.440 | -5.499 | 376.430 | -5.298 | 381.430 | -5.318 | 386.420 | -5.438 |
| 391.410 | -5.537 | 396.410 | -5.537 | 401.400 | -5.536 | 406.390 | -5.396 |
| 411.390 | -5.415 | 416.380 | -5.795 | 421.370 | -5.615 | 426.370 | -5.094 |
| 431.360 | -5.194 | 436.350 | -5.663 | 441.350 | -5.193 | 446.340 | -4.612 |
| 451.330 | -3.512 | 456.330 | -2.991 | 461.320 | -1.661 | 462.270 | -1.311 |
| 462.270 | -0.111 | 462.270 | 1.689 | 462.920 | 1.919 | 462.920 | 1.730 |
| 465.020 | 1.890 | 470.620 | 1.830 | 480.620 | 1.790 | 490.620 | 1.930 |
| 500.620 | 1.910 | 507.620 | 1.760 | 518.620 | 1.430 | 527.120 | 1.240 |
| 528.420 | 0.540 | 533.620 | 0.460 | 539.320 | 0.620 | 541.120 | 0.900 |
| 550.620 | 1.010 | 565.620 | 0.960 | 577.620 | 0.976 | 590.620 | 1.006 |
| 600.620 | 0.996 | 607.620 | 1.076 | 616.920 | 1.246 | 620.320 | 1.716 |
| 621.520 | 1.986 | 627.320 | 2.196 | 632.120 | 2.786 | 637.320 | 3.486 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 641.820 | 5.096 | 642.700 | 5.206 | 645.720 | 5.236 | 648.970 | 5.246 |
| 649.620 | 5.226 | 650.120 | 4.686 | 650.620 | 4.466 | 650.620 | 4.771 |
| 10.6km | 0.000 | | | | 155 | 39.123 | 23.148 |
| -79.000 | -0.561 | -69.000 | -0.571 | -67.800 | -1.251 | -67.200 | -1.251 |
| -66.500 | -0.661 | -65.300 | -0.331 | -57.500 | -0.271 | -51.200 | -0.101 |
| -51.000 | 0.959 | -47.000 | 1.169 | -29.000 | 0.973 | -27.450 | 0.833 |
| -27.300 | 0.833 | -27.300 | 0.543 | -27.000 | 0.543 | -26.420 | 1.563 |
| -24.580 | 2.175 | -22.200 | 2.275 | -19.100 | 2.275 | -16.180 | 4.455 |
| -13.250 | 5.725 | -7.800 | 5.915 | -2.200 | 5.695 | -1.000 | 5.415 |
| -0.450 | 5.115 | 0.000 | 5.234 | 0.000 | 4.922 | 0.450 | 4.702 |
| 1.150 | 4.372 | 4.250 | 2.802 | 10.000 | 2.732 | 20.000 | 2.642 |
| 30.000 | 2.572 | 40.000 | 2.512 | 50.000 | 2.392 | 60.000 | 2.382 |
| 70.000 | 2.292 | 80.000 | 2.302 | 88.300 | 2.272 | 89.530 | 2.242 |
| 89.530 | 2.246 | 92.630 | 0.834 | 92.880 | 0.834 | 94.720 | 0.814 |
| 95.420 | 0.824 | 95.420 | 0.044 | 95.420 | -0.486 | 98.520 | -0.696 |
| 100.070 | -0.706 | 104.510 | -2.625 | 109.510 | -2.954 | 114.500 | -3.504 |
| 119.500 | -3.733 | 124.490 | -3.632 | 129.490 | -3.872 | 134.480 | -3.951 |
| 139.470 | -4.370 | 144.470 | -4.550 | 149.460 | -4.869 | 154.460 | -4.948 |
| 159.450 | -5.148 | 164.450 | -5.327 | 169.440 | -5.466 | 174.440 | -5.466 |
| 179.430 | -5.525 | 184.420 | -5.624 | 189.420 | -5.594 | 194.410 | -5.543 |
| 199.410 | -5.622 | 204.400 | -5.542 | 209.400 | -5.441 | 214.390 | -5.560 |
| 219.380 | -5.559 | 224.380 | -5.489 | 229.370 | -5.538 | 234.370 | -5.587 |
| 239.360 | -5.517 | 244.360 | -5.386 | 249.350 | -5.385 | 254.350 | -5.415 |
| 259.340 | -5.484 | 264.330 | -5.533 | 269.330 | -5.613 | 274.320 | -5.552 |
| 279.320 | -5.731 | 284.310 | -5.831 | 289.310 | -5.830 | 294.300 | -5.809 |
| 299.300 | -5.729 | 304.290 | -5.528 | 309.280 | -5.427 | 314.280 | -5.227 |
| 319.270 | -4.876 | 324.270 | -4.805 | 329.260 | -4.705 | 334.260 | -4.644 |
| 339.250 | -4.523 | 344.250 | -4.442 | 349.240 | -4.342 | 354.230 | -4.341 |
| 359.230 | -4.040 | 364.220 | -4.100 | 369.220 | -4.269 | 374.210 | -4.318 |
| 379.210 | -4.098 | 384.200 | -4.137 | 389.200 | -3.996 | 394.190 | -3.936 |
| 399.180 | -3.935 | 404.180 | -3.914 | 409.170 | -3.914 | 414.170 | -3.863 |
| 419.160 | -3.862 | 424.160 | -3.912 | 429.150 | -3.911 | 434.140 | -3.930 |
| 439.140 | -3.910 | 444.130 | -2.529 | 449.130 | -1.078 | 451.280 | -0.888 |
| 451.430 | -0.108 | 452.820 | 0.092 | 456.120 | 0.492 | 464.110 | 0.632 |
| 474.770 | 1.105 | 474.770 | 0.866 | 487.940 | 1.126 | 499.940 | 1.386 |
| 505.940 | 1.516 | 508.440 | 1.886 | 519.940 | 1.856 | 531.440 | 1.916 |
| 538.940 | 1.626 | 540.440 | 1.886 | 549.940 | 1.966 | 564.940 | 1.986 |
| 574.940 | 1.886 | 587.260 | 1.998 | 594.940 | 1.798 | 599.940 | 1.768 |
| 605.940 | 1.728 | 614.940 | 1.788 | 620.140 | 1.918 | 624.940 | 2.368 |
| 628.940 | 3.258 | 635.540 | 3.508 | 637.990 | 3.828 | 640.690 | 4.938 |
| 642.340 | 4.948 | 645.440 | 5.108 | 648.440 | 5.168 | 648.840 | 5.178 |
| 649.490 | 4.628 | 649.940 | 4.418 | 649.940 | 4.733 | | |
| 10.8km | 0.000 | | | | 150 | 28.117 | 14.141 |
| -76.000 | -0.210 | -60.000 | 0.310 | -50.000 | 0.460 | -40.000 | 0.700 |
| -36.750 | 0.970 | -33.300 | 1.200 | -28.200 | 1.748 | -20.000 | 2.238 |
| -14.900 | 2.558 | -11.600 | 4.658 | -11.000 | 4.748 | -8.440 | 5.948 |
| -4.800 | 6.038 | -1.600 | 5.858 | -0.400 | 5.138 | 0.000 | 5.271 |
| 0.000 | 4.965 | 0.500 | 4.735 | 2.020 | 4.575 | 7.300 | 1.965 |
| 9.700 | 1.795 | 10.670 | 1.615 | 12.600 | 1.465 | 12.600 | 1.470 |
| 14.400 | 0.431 | 22.590 | 0.521 | 32.590 | 0.621 | 35.590 | 0.631 |
| 40.580 | 0.341 | 48.880 | -0.149 | 52.580 | -0.270 | 57.570 | -0.390 |
| 62.570 | -0.711 | 67.570 | -0.931 | 72.560 | -1.252 | 77.560 | -1.682 |
| 82.560 | -2.233 | 87.550 | -2.654 | 92.550 | -3.104 | 97.550 | -3.235 |
| 102.550 | -3.635 | 107.540 | -3.806 | 112.540 | -3.876 | 117.540 | -3.937 |
| 122.530 | -4.007 | 127.530 | -4.058 | 132.530 | -4.138 | 137.520 | -4.109 |
| 142.520 | -4.179 | 147.520 | -4.240 | 152.520 | -4.340 | 157.510 | -4.581 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 162.510 | -4.662 | 167.510 | -4.682 | 172.500 | -4.743 | 177.500 | -4.763 |
| 182.500 | -5.014 | 187.490 | -4.964 | 192.490 | -5.085 | 197.490 | -5.115 |
| 202.480 | -5.146 | 207.480 | -5.116 | 212.480 | -5.147 | 217.480 | -5.167 |
| 222.470 | -5.188 | 227.470 | -5.188 | 232.470 | -5.169 | 237.460 | -5.170 |
| 242.460 | -5.250 | 247.460 | -5.251 | 252.450 | -5.251 | 257.450 | -5.252 |
| 262.450 | -5.272 | 267.450 | -5.293 | 272.440 | -5.253 | 277.440 | -5.294 |
| 282.440 | -5.254 | 287.430 | -5.255 | 292.430 | -5.255 | 297.430 | -5.176 |
| 302.420 | -5.177 | 307.420 | -5.157 | 312.420 | -5.098 | 317.420 | -4.978 |
| 322.410 | -5.059 | 327.410 | -4.999 | 332.410 | -4.980 | 337.400 | -4.800 |
| 342.400 | -4.701 | 347.400 | -4.701 | 352.390 | -4.682 | 357.390 | -4.662 |
| 362.390 | -4.433 | 367.380 | -4.263 | 372.380 | -4.184 | 377.380 | -4.165 |
| 382.380 | -4.165 | 387.370 | -4.206 | 392.370 | -4.286 | 397.370 | -4.237 |
| 402.360 | -4.307 | 407.360 | -4.468 | 412.360 | -4.368 | 417.350 | -4.469 |
| 422.350 | -4.189 | 427.350 | -4.170 | 432.350 | -4.110 | 437.340 | -3.991 |
| 442.340 | -3.911 | 447.340 | -3.472 | 452.330 | -2.773 | 457.330 | -1.193 |
| 460.030 | -0.893 | 460.730 | -0.433 | 462.330 | -0.374 | 463.130 | -0.194 |
| 467.320 | 0.236 | 477.320 | 0.336 | 484.310 | 0.376 | 484.810 | 0.306 |
| 485.910 | 0.306 | 486.610 | 0.616 | 490.870 | 0.945 | 490.870 | 0.703 |
| 498.070 | 0.723 | 500.070 | 0.813 | 504.570 | 0.673 | 512.070 | 0.883 |
| 522.070 | 1.003 | 532.070 | 1.103 | 542.070 | 1.123 | 552.070 | 1.133 |
| 562.070 | 1.153 | 572.070 | 1.193 | 582.070 | 1.193 | 594.070 | 1.203 |
| 598.290 | 1.573 | 600.770 | 2.203 | 607.370 | 3.683 | 610.270 | 3.903 |
| 613.470 | 5.113 | 614.070 | 5.123 | 617.170 | 5.253 | 620.220 | 5.323 |
| 620.770 | 5.343 | 621.320 | 5.033 | 621.320 | 4.803 | 621.640 | 4.643 |
| 622.070 | 4.423 | 622.070 | 4.724 | | | | |
| 11.0km | 0.000 | | | | 139 | 42 118 | 22 133 |
| -77.000 | 0.131 | -73.800 | 0.001 | -73.400 | 0.001 | -72.300 | 0.031 |
| -72.200 | 0.481 | -63.000 | 0.621 | -52.400 | 0.731 | -51.000 | 1.221 |
| -36.000 | 1.461 | -34.800 | 0.741 | -32.700 | 0.741 | -30.700 | 1.867 |
| -21.000 | 2.067 | -20.400 | 2.327 | -17.400 | 2.397 | -13.960 | 4.557 |
| -12.800 | 4.907 | -10.750 | 4.887 | -8.510 | 6.077 | -5.400 | 6.127 |
| -2.400 | 6.057 | -1.500 | 5.787 | -0.500 | 5.207 | 0.000 | 5.333 |
| 0.000 | 5.007 | 0.450 | 4.827 | 1.200 | 4.627 | 7.500 | 1.977 |
| 10.000 | 1.847 | 11.450 | 1.637 | 12.480 | 1.587 | 12.480 | 1.589 |
| 14.480 | 0.555 | 22.470 | 0.475 | 32.460 | 0.436 | 37.450 | 0.446 |
| 44.440 | -0.004 | 47.440 | -0.024 | 57.430 | 0.206 | 62.420 | 0.277 |
| 72.410 | 0.317 | 78.400 | 0.357 | 82.000 | -0.023 | 82.400 | -0.063 |
| 87.390 | -0.684 | 92.380 | -1.824 | 97.380 | -2.525 | 102.370 | -2.876 |
| 107.370 | -3.076 | 112.360 | -3.427 | 117.360 | -3.448 | 122.350 | -3.828 |
| 127.340 | -4.029 | 132.340 | -4.110 | 137.330 | -4.411 | 142.330 | -4.481 |
| 147.320 | -4.532 | 152.310 | -4.783 | 157.310 | -4.753 | 162.300 | -4.814 |
| 167.300 | -4.815 | 172.290 | -4.855 | 177.280 | -4.836 | 182.280 | -4.887 |
| 187.270 | -4.937 | 192.270 | -4.888 | 197.260 | -4.889 | 202.250 | -4.960 |
| 207.250 | -4.920 | 212.240 | -4.961 | 217.240 | -5.022 | 222.230 | -5.042 |
| 227.220 | -5.093 | 232.220 | -5.124 | 237.210 | -5.094 | 242.210 | -5.065 |
| 247.200 | -5.046 | 252.190 | -5.066 | 257.190 | -5.067 | 262.180 | -5.048 |
| 267.180 | -4.899 | 272.170 | -4.929 | 277.160 | -4.870 | 282.160 | -4.851 |
| 287.150 | -4.771 | 292.150 | -4.702 | 297.140 | -4.573 | 302.130 | -4.573 |
| 307.130 | -4.504 | 312.120 | -4.575 | 317.120 | -4.305 | 322.110 | -4.456 |
| 327.110 | -4.507 | 332.100 | -4.407 | 337.090 | -4.538 | 342.090 | -4.559 |
| 347.080 | -4.440 | 352.080 | -4.440 | 357.070 | -4.361 | 362.060 | -4.312 |
| 367.060 | -4.262 | 372.050 | -4.313 | 377.050 | -4.464 | 382.040 | -4.544 |
| 387.030 | -4.585 | 392.030 | -4.586 | 397.020 | -4.746 | 402.020 | -4.787 |
| 407.010 | -4.818 | 412.000 | -4.789 | 417.000 | -4.819 | 421.990 | -4.620 |
| 426.990 | -4.391 | 431.980 | -2.671 | 436.970 | -0.932 | 437.670 | -0.072 |
| 437.970 | 0.278 | 439.370 | 0.598 | 441.170 | 0.907 | 441.170 | 0.666 |

S59横断データ (-0.6~56.2). dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 450.440 | 0.506 | 470.440 | 0.586 | 477.440 | 0.686 | 490.440 | 0.836 |
| 497.940 | 1.016 | 510.440 | 1.016 | 520.440 | 1.129 | 530.440 | 1.169 |
| 538.610 | 1.469 | 541.990 | 2.509 | 547.140 | 4.089 | 551.040 | 4.699 |
| 552.640 | 4.939 | 555.840 | 5.059 | 558.940 | 5.069 | 559.340 | 5.169 |
| 560.040 | 4.689 | 560.440 | 4.509 | 560.440 | 4.824 | | |
| 11.2km | 0.000 | | | | 138 | 36 117 | 26 131 |
| -75.300 | -1.775 | -74.500 | -0.145 | -74.100 | -0.145 | -71.500 | -0.035 |
| -68.200 | -0.105 | -68.200 | -0.585 | -67.800 | -0.585 | -67.800 | -0.105 |
| -59.800 | -0.095 | -50.500 | -0.075 | -48.700 | 0.035 | -48.600 | 0.865 |
| -44.000 | 1.305 | -36.300 | 1.585 | -35.300 | 0.755 | -32.700 | 0.755 |
| -29.500 | 1.985 | -21.700 | 2.075 | -20.800 | 2.404 | -18.000 | 2.534 |
| -14.470 | 4.744 | -10.500 | 5.354 | -8.320 | 6.004 | -5.300 | 6.064 |
| -2.300 | 5.964 | -1.200 | 5.754 | 0.000 | 5.246 | 0.000 | 5.143 |
| 0.600 | 5.103 | 2.200 | 4.363 | 2.660 | 4.183 | 5.650 | 2.713 |
| 6.600 | 2.433 | 15.000 | 2.273 | 28.000 | 2.183 | 36.000 | 2.133 |
| 36.970 | 1.092 | 36.970 | 1.276 | 39.520 | 0.547 | 40.670 | 0.267 |
| 41.970 | 0.047 | 43.260 | -0.154 | 46.960 | -0.754 | 51.960 | -2.405 |
| 56.950 | -4.406 | 61.950 | -5.157 | 66.940 | -5.358 | 71.940 | -5.409 |
| 76.940 | -5.460 | 81.930 | -5.561 | 86.930 | -5.642 | 91.920 | -5.713 |
| 96.920 | -5.784 | 101.910 | -5.945 | 106.910 | -5.816 | 111.910 | -5.847 |
| 116.900 | -5.948 | 121.900 | -5.969 | 126.890 | -5.920 | 131.890 | -5.951 |
| 136.880 | -5.972 | 141.880 | -6.023 | 146.880 | -5.924 | 151.870 | -5.925 |
| 156.870 | -5.926 | 161.860 | -5.877 | 166.860 | -5.858 | 171.850 | -5.759 |
| 176.850 | -5.660 | 181.850 | -5.481 | 186.840 | -5.482 | 191.840 | -5.503 |
| 196.830 | -5.384 | 201.830 | -5.405 | 206.820 | -5.266 | 211.820 | -5.007 |
| 216.820 | -5.138 | 221.810 | -4.969 | 226.810 | -4.890 | 231.800 | -4.891 |
| 236.800 | -4.812 | 241.790 | -4.743 | 246.790 | -4.774 | 251.790 | -4.775 |
| 256.780 | -4.596 | 261.780 | -4.497 | 266.770 | -4.418 | 271.770 | -4.419 |
| 276.760 | -4.420 | 281.760 | -4.181 | 286.750 | -4.182 | 291.750 | -4.083 |
| 296.750 | -4.024 | 301.740 | -4.005 | 306.740 | -3.986 | 311.730 | -3.987 |
| 316.730 | -3.929 | 321.720 | -4.010 | 326.720 | -4.011 | 331.720 | -4.012 |
| 336.710 | -4.093 | 341.710 | -4.264 | 346.700 | -4.165 | 351.700 | -4.096 |
| 356.690 | -4.137 | 361.690 | -4.038 | 366.690 | -3.899 | 371.680 | -4.000 |
| 376.680 | -3.971 | 381.670 | -4.042 | 386.670 | -4.003 | 391.660 | -4.004 |
| 396.660 | -3.305 | 401.660 | -1.146 | 405.450 | -0.286 | 405.850 | 0.254 |
| 406.650 | 0.323 | 408.950 | 0.473 | 408.950 | 0.363 | 408.950 | 0.636 |
| 408.950 | 0.365 | 416.800 | 0.435 | 423.800 | 0.485 | 432.800 | 0.645 |
| 444.800 | 0.665 | 454.800 | 0.605 | 464.800 | 0.695 | 475.300 | 1.015 |
| 476.820 | 1.335 | 484.600 | 3.555 | 486.800 | 5.225 | 487.100 | 5.225 |
| 489.900 | 5.295 | 493.100 | 5.255 | 493.700 | 5.255 | 494.370 | 4.685 |
| 494.800 | 4.465 | 494.800 | 4.773 | | | | |
| 11.4km | 0.000 | | | | 130 | 39 109 | 24 123 |
| -79.000 | 1.087 | -69.000 | 1.387 | -54.000 | 1.757 | -42.000 | 1.657 |
| -40.630 | 1.507 | -40.550 | 1.507 | -40.400 | 1.507 | -40.400 | 1.077 |
| -39.900 | 1.077 | -39.900 | 1.187 | -39.800 | 1.187 | -39.550 | 1.727 |
| -37.200 | 1.862 | -37.000 | 1.942 | -31.500 | 2.212 | -27.100 | 2.372 |
| -26.900 | 2.522 | -23.800 | 2.622 | -20.820 | 4.802 | -17.600 | 4.962 |
| -16.000 | 5.322 | -14.940 | 5.802 | -11.200 | 5.962 | -7.400 | 5.852 |
| -5.500 | 5.242 | -4.000 | 4.174 | -4.000 | 3.911 | -2.500 | 3.711 |
| -0.200 | 5.521 | 11.000 | 5.401 | 22.580 | 5.351 | 23.600 | 5.151 |
| 29.500 | 2.081 | 32.940 | 1.511 | 32.940 | 1.737 | 37.940 | 0.729 |
| 42.930 | 0.027 | 47.930 | -0.384 | 52.920 | -0.935 | 57.920 | -2.317 |
| 62.920 | -3.328 | 67.910 | -5.800 | 72.910 | -5.881 | 77.900 | -6.182 |
| 82.900 | -6.384 | 87.900 | -6.705 | 92.890 | -6.807 | 97.890 | -6.838 |
| 102.890 | -7.189 | 107.880 | -7.291 | 112.880 | -7.372 | 117.870 | -7.394 |
| 122.870 | -7.395 | 127.870 | -7.416 | 132.860 | -7.578 | 137.860 | -7.479 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 142.850 | -7.381 | 147.850 | -7.252 | 152.850 | -7.303 | 157.840 | -7.125 |
| 162.840 | -6.906 | 167.830 | -6.788 | 172.830 | -6.589 | 177.830 | -6.260 |
| 182.820 | -5.962 | 187.820 | -5.733 | 192.810 | -5.495 | 197.810 | -5.436 |
| 202.810 | -5.397 | 207.800 | -5.369 | 212.800 | -5.240 | 217.790 | -4.942 |
| 222.790 | -4.973 | 227.790 | -5.075 | 232.780 | -5.026 | 237.780 | -5.007 |
| 242.780 | -5.109 | 247.770 | -4.930 | 252.770 | -4.952 | 257.760 | -4.613 |
| 262.760 | -4.414 | 267.760 | -4.386 | 272.750 | -4.257 | 277.750 | -4.159 |
| 282.740 | -4.040 | 287.740 | -4.021 | 292.740 | -3.863 | 297.730 | -3.844 |
| 302.730 | -3.866 | 307.720 | -3.867 | 312.720 | -3.898 | 317.720 | -3.900 |
| 322.710 | -3.871 | 327.710 | -3.873 | 332.700 | -3.854 | 337.700 | -3.905 |
| 342.700 | -3.737 | 347.690 | -3.778 | 352.690 | -3.780 | 357.680 | -3.861 |
| 362.680 | -3.882 | 367.680 | -3.884 | 372.670 | -3.645 | 377.670 | -3.847 |
| 382.670 | -3.148 | 387.660 | -0.819 | 388.360 | -0.430 | 388.560 | 0.280 |
| 389.560 | 0.630 | 389.560 | 0.615 | 389.560 | 0.955 | 389.560 | 0.615 |
| 402.300 | 0.665 | 414.300 | 0.675 | 426.300 | 0.645 | 433.300 | 0.645 |
| 441.300 | 0.855 | 451.300 | 1.065 | 456.400 | 1.219 | 458.300 | 2.069 |
| 460.600 | 2.829 | 463.500 | 5.019 | 464.950 | 5.419 | 468.000 | 5.469 |
| 471.000 | 5.469 | 471.900 | 5.459 | 475.050 | 5.039 | 475.330 | 4.649 |
| 476.300 | 4.289 | 476.300 | 4.609 | | | | |
| 11.6km | 0.000 | | | | 144 | 41 118 | 34 137 |
| -79.000 | 0.005 | -66.700 | 1.725 | -61.200 | 1.975 | -61.200 | 1.915 |
| -58.000 | 1.985 | -58.000 | 2.365 | -56.200 | 2.415 | -50.400 | 2.445 |
| -50.200 | 2.735 | -49.800 | 2.735 | -49.700 | 2.515 | -41.000 | 2.585 |
| -35.750 | 2.575 | -35.600 | 1.575 | -35.450 | 1.575 | -35.350 | 1.575 |
| -35.250 | 1.575 | -35.250 | 1.135 | -34.750 | 1.135 | -34.750 | 1.255 |
| -34.650 | 1.255 | -34.400 | 1.792 | -31.900 | 1.880 | -31.700 | 1.980 |
| -28.000 | 2.260 | -23.500 | 2.380 | -23.000 | 2.600 | -19.700 | 2.750 |
| -16.650 | 4.860 | -13.500 | 4.960 | -12.000 | 5.130 | -9.180 | 6.020 |
| -5.700 | 6.190 | -2.200 | 5.900 | 1.000 | 4.505 | 1.000 | 4.307 |
| 2.000 | 4.357 | 4.500 | 5.377 | 17.000 | 5.387 | 25.380 | 5.307 |
| 40.170 | 2.257 | 40.170 | 2.342 | 40.970 | 2.056 | 41.520 | 1.166 |
| 44.430 | 0.916 | 45.170 | 0.806 | 50.160 | 0.295 | 55.160 | -0.085 |
| 60.160 | -0.135 | 65.150 | -0.046 | 70.150 | -0.036 | 75.150 | -0.037 |
| 80.140 | -0.077 | 85.140 | -0.188 | 90.140 | -0.288 | 95.130 | -0.408 |
| 100.130 | -0.589 | 105.130 | -0.789 | 110.120 | -1.090 | 115.120 | -1.390 |
| 120.120 | -1.740 | 125.110 | -2.171 | 130.110 | -2.571 | 135.110 | -2.572 |
| 140.100 | -2.692 | 145.100 | -3.173 | 150.100 | -3.973 | 155.090 | -5.043 |
| 160.090 | -5.474 | 165.090 | -5.914 | 170.080 | -5.945 | 175.080 | -5.575 |
| 180.080 | -5.645 | 185.070 | -5.816 | 190.070 | -5.776 | 195.070 | -6.047 |
| 200.060 | -6.197 | 205.060 | -6.118 | 210.060 | -6.248 | 215.050 | -7.078 |
| 220.050 | -7.019 | 225.050 | -7.019 | 230.040 | -6.720 | 235.040 | -6.780 |
| 240.040 | -6.680 | 245.030 | -6.551 | 250.030 | -6.201 | 255.030 | -6.152 |
| 260.020 | -6.122 | 265.020 | -6.103 | 270.020 | -6.083 | 275.010 | -5.753 |
| 280.010 | -5.624 | 285.010 | -5.584 | 290.000 | -5.255 | 295.000 | -5.185 |
| 300.000 | -5.206 | 304.990 | -5.186 | 309.990 | -5.106 | 314.990 | -4.957 |
| 319.980 | -4.787 | 324.980 | -4.858 | 329.980 | -5.028 | 334.970 | -4.958 |
| 339.970 | -5.109 | 344.970 | -5.129 | 349.960 | -5.060 | 354.960 | -4.860 |
| 359.960 | -4.491 | 364.950 | -2.631 | 369.950 | -2.561 | 374.950 | -1.692 |
| 379.940 | -1.092 | 384.940 | -0.643 | 389.940 | -0.233 | 394.930 | 0.087 |
| 399.930 | 0.616 | 401.430 | 0.886 | 401.430 | 0.773 | 401.430 | 0.996 |
| 401.430 | 0.773 | 406.930 | 0.823 | 411.630 | 0.849 | 417.230 | 1.089 |
| 418.930 | 2.079 | 419.930 | 1.899 | 428.930 | 1.789 | 432.930 | 1.809 |
| 436.930 | 1.629 | 441.930 | 1.639 | 447.930 | 1.819 | 454.430 | 1.709 |
| 455.400 | 1.952 | 457.830 | 3.002 | 460.830 | 5.182 | 461.330 | 5.342 |
| 461.530 | 5.232 | 464.430 | 5.262 | 467.530 | 5.212 | 467.680 | 5.252 |
| 467.930 | 5.252 | 468.480 | 4.542 | 468.930 | 4.352 | 468.930 | 4.702 |

S59横断データ (-0.6~56.2). dat

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|---------|--------|---------|--------|---------|--------|---------|-----|--------|-----|
| 11.8km | 0.000 | | | | 170 | 80 | 153 | 22 | 162 |
| -74.000 | 0.517 | -59.700 | 0.647 | -59.000 | 0.357 | -58.000 | | 0.337 | |
| -57.100 | 0.367 | -56.700 | 0.457 | -56.100 | 0.457 | -55.700 | | -0.563 | |
| -54.600 | -0.563 | -54.300 | -0.133 | -53.800 | 0.677 | -50.600 | | 0.847 | |
| -49.300 | 1.257 | -44.000 | 1.527 | -30.000 | 2.197 | -20.000 | | 2.617 | |
| -16.850 | 2.727 | -16.000 | 2.907 | -12.000 | 4.707 | -10.020 | | 6.147 | |
| -4.500 | 6.227 | 0.500 | 6.077 | 1.000 | 6.170 | 1.000 | | 5.832 | |
| 1.460 | 5.582 | 7.650 | 2.972 | 10.900 | 2.772 | 11.120 | | 2.722 | |
| 11.970 | 2.692 | 13.260 | 2.632 | 13.260 | 2.631 | 20.450 | | 0.884 | |
| 23.250 | 0.124 | 24.600 | -0.316 | 26.650 | -0.316 | 26.650 | | -0.856 | |
| 28.250 | -0.886 | 33.250 | -1.146 | 38.240 | -2.085 | 43.240 | | -3.015 | |
| 48.230 | -2.155 | 51.630 | -0.695 | 53.230 | -0.215 | 53.330 | | -0.215 | |
| 55.380 | 0.885 | 56.330 | 1.305 | 57.350 | 1.375 | 59.630 | | 1.785 | |
| 61.530 | 2.625 | 62.680 | 2.845 | 62.680 | 3.137 | 64.180 | | 2.944 | |
| 72.680 | 3.054 | 82.670 | 3.124 | 92.660 | 3.035 | 102.660 | | 2.985 | |
| 112.650 | 2.945 | 122.640 | 2.885 | 132.630 | 2.856 | 142.630 | | 2.846 | |
| 152.620 | 2.776 | 162.610 | 2.686 | 172.610 | 2.656 | 174.000 | | 2.636 | |
| 174.000 | 2.796 | 174.300 | 2.636 | 175.300 | 2.586 | 178.000 | | 1.257 | |
| 178.350 | 1.147 | 178.700 | 1.147 | 180.400 | 1.077 | 181.100 | | 1.077 | |
| 181.100 | -0.483 | 184.000 | -0.353 | 185.300 | -0.013 | 186.500 | | 0.547 | |
| 193.990 | 1.007 | 203.980 | 1.387 | 213.980 | 1.277 | 221.970 | | 1.177 | |
| 223.370 | 0.698 | 229.160 | -0.192 | 233.960 | -0.512 | 238.960 | | -0.972 | |
| 243.950 | -2.892 | 248.950 | -4.113 | 253.950 | -4.293 | 258.940 | | -4.373 | |
| 263.940 | -4.593 | 268.940 | -4.673 | 273.930 | -4.743 | 278.930 | | -4.813 | |
| 283.930 | -4.843 | 288.920 | -4.913 | 293.920 | -4.913 | 298.910 | | -4.893 | |
| 303.910 | -4.913 | 308.910 | -4.973 | 313.900 | -4.973 | 318.900 | | -4.993 | |
| 323.900 | -4.943 | 328.890 | -4.893 | 333.890 | -4.943 | 338.890 | | -5.073 | |
| 343.880 | -5.073 | 348.880 | -5.013 | 353.880 | -5.073 | 358.870 | | -5.043 | |
| 363.870 | -5.013 | 368.860 | -5.044 | 373.860 | -5.114 | 378.860 | | -5.114 | |
| 383.850 | -5.174 | 388.850 | -5.144 | 393.850 | -5.214 | 398.840 | | -5.274 | |
| 403.840 | -5.644 | 408.840 | -5.674 | 413.830 | -5.874 | 418.830 | | -5.674 | |
| 423.830 | -5.694 | 428.820 | -5.714 | 433.820 | -5.544 | 438.810 | | -3.674 | |
| 443.810 | -3.114 | 448.810 | -3.614 | 453.800 | -4.074 | 458.800 | | -3.644 | |
| 463.800 | -3.374 | 468.790 | -3.714 | 473.790 | -3.644 | 478.790 | | -3.614 | |
| 483.780 | -4.244 | 488.780 | -4.314 | 493.770 | -4.215 | 498.770 | | -4.195 | |
| 503.770 | -4.115 | 508.760 | -3.715 | 513.760 | -3.295 | 518.760 | | -2.845 | |
| 523.750 | -1.915 | 528.750 | -3.195 | 533.750 | -4.045 | 538.740 | | -3.805 | |
| 543.740 | -3.515 | 548.740 | -2.965 | 553.730 | -2.995 | 558.730 | | -1.765 | |
| 563.720 | -0.465 | 564.770 | -0.195 | 569.220 | 1.155 | 569.620 | | 1.865 | |
| 570.320 | 2.187 | 570.320 | 1.984 | 579.580 | 1.934 | 588.080 | | 1.964 | |
| 597.080 | 2.044 | 598.650 | 2.205 | 600.780 | 2.925 | 602.180 | | 3.255 | |
| 605.570 | 5.475 | 606.280 | 5.515 | 609.330 | 5.575 | 612.330 | | 5.545 | |
| 612.880 | 5.455 | 613.430 | 5.155 | 613.430 | 4.855 | 613.580 | | 4.695 | |
| 614.080 | 4.465 | 614.080 | 4.788 | | | | | | |
| 12.0km | 0.000 | | | | 140 | 45 | 124 | 24 | 134 |
| -75.000 | 0.490 | -71.000 | 0.490 | -70.500 | 0.710 | -68.400 | | 0.710 | |
| -68.400 | -0.270 | -66.000 | -0.270 | -66.000 | 0.710 | -62.500 | | 1.270 | |
| -50.000 | 1.520 | -42.000 | 1.470 | -27.400 | 1.400 | -27.000 | | 2.400 | |
| -23.600 | 2.470 | -23.050 | 2.220 | -23.050 | 2.070 | -22.900 | | 2.070 | |
| -22.900 | 2.220 | -22.800 | 2.240 | -19.650 | 2.430 | -16.990 | | 3.745 | |
| -12.900 | 3.835 | -7.800 | 6.605 | -4.500 | 6.795 | -1.350 | | 6.725 | |
| -1.000 | 6.425 | 0.000 | 6.193 | 0.000 | 5.900 | 0.700 | | 5.590 | |
| 3.050 | 4.290 | 5.600 | 2.950 | 10.700 | 2.560 | 10.950 | | 2.500 | |
| 11.970 | 2.438 | 17.000 | 2.465 | 26.000 | 2.555 | 37.000 | | 2.685 | |
| 47.000 | 2.445 | 49.300 | 3.085 | 52.000 | 2.495 | 59.200 | | 2.625 | |
| 61.000 | 2.865 | 71.000 | 2.745 | 81.000 | 1.815 | 90.000 | | 1.135 | |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 97.890 | 1.135 | 97.890 | 1.341 | 102.890 | 0.236 | 105.680 | -0.194 |
| 107.880 | -0.624 | 112.880 | -1.473 | 117.870 | -3.493 | 122.870 | -3.843 |
| 127.870 | -3.973 | 132.860 | -3.952 | 137.860 | -3.772 | 142.860 | -3.972 |
| 147.850 | -4.171 | 152.850 | -4.211 | 157.840 | -4.191 | 162.840 | -4.141 |
| 167.840 | -3.870 | 172.830 | -3.770 | 177.830 | -3.570 | 182.820 | -3.369 |
| 187.820 | -3.239 | 192.820 | -3.209 | 197.810 | -3.169 | 202.810 | -3.138 |
| 207.810 | -3.108 | 212.800 | -3.108 | 217.800 | -3.187 | 222.790 | -3.207 |
| 227.790 | -3.387 | 232.790 | -3.407 | 237.780 | -3.586 | 242.780 | -3.686 |
| 247.780 | -3.866 | 252.770 | -4.036 | 257.770 | -4.105 | 262.760 | -4.205 |
| 267.760 | -4.235 | 272.760 | -4.504 | 277.750 | -4.564 | 282.750 | -4.664 |
| 287.740 | -4.834 | 292.740 | -4.733 | 297.740 | -4.903 | 302.730 | -5.003 |
| 307.730 | -5.062 | 312.730 | -5.102 | 317.720 | -5.182 | 322.720 | -5.582 |
| 327.710 | -5.631 | 332.710 | -5.681 | 337.710 | -5.661 | 342.700 | -5.700 |
| 347.700 | -5.630 | 352.690 | -5.580 | 357.690 | -5.600 | 362.690 | -5.499 |
| 367.680 | -5.359 | 372.680 | -5.529 | 377.680 | -5.179 | 382.670 | -5.178 |
| 387.670 | -5.198 | 392.660 | -5.298 | 397.660 | -5.297 | 402.660 | -5.327 |
| 407.650 | -5.357 | 412.650 | -5.127 | 417.640 | -5.296 | 422.640 | -3.756 |
| 427.640 | -3.026 | 432.630 | -2.035 | 437.630 | -1.575 | 442.630 | -0.895 |
| 447.620 | -0.545 | 453.420 | -0.174 | 462.970 | 0.546 | 463.170 | 0.808 |
| 463.170 | 0.573 | 464.960 | 0.803 | 470.510 | 2.843 | 470.610 | 2.873 |
| 470.610 | 3.153 | 470.860 | 3.173 | 470.860 | 3.053 | 471.660 | 3.053 |
| 471.660 | 3.253 | 471.910 | 3.253 | 471.910 | 2.978 | 473.290 | 3.084 |
| 481.150 | 6.774 | 481.560 | 6.804 | 484.760 | 6.834 | 487.880 | 6.784 |
| 487.910 | 6.714 | 488.310 | 6.704 | 489.260 | 6.254 | 489.260 | 6.593 |
| 12.2km | 0.000 | | | | 137 | 48 124 | 26 131 |
| -75.000 | 1.712 | -71.300 | 1.842 | -68.500 | 1.912 | -60.000 | 1.892 |
| -45.000 | 1.862 | -38.500 | 1.792 | -32.000 | 4.032 | -29.500 | 3.932 |
| -27.600 | 4.002 | -25.300 | 4.002 | -24.300 | 3.942 | -21.500 | 3.202 |
| -20.350 | 3.182 | -19.100 | 3.182 | -18.150 | 3.631 | -17.500 | 3.891 |
| -15.300 | 3.991 | -13.000 | 4.131 | -13.000 | 4.351 | -12.820 | 4.351 |
| -12.000 | 4.491 | -7.850 | 6.741 | -4.500 | 6.911 | -1.600 | 6.911 |
| -0.710 | 6.601 | 0.000 | 6.399 | 0.000 | 6.061 | 0.710 | 5.801 |
| 2.870 | 4.621 | 3.000 | 4.491 | 5.600 | 3.171 | 10.700 | 2.771 |
| 11.000 | 2.691 | 11.910 | 2.633 | 13.750 | 1.683 | 16.500 | 1.573 |
| 23.000 | 1.843 | 32.000 | 1.923 | 45.000 | 1.003 | 47.500 | 1.083 |
| 52.700 | 1.853 | 59.000 | 1.803 | 72.000 | 2.353 | 82.000 | 2.523 |
| 90.000 | 2.853 | 100.000 | 3.083 | 110.000 | 3.363 | 112.500 | 3.553 |
| 118.000 | 2.603 | 127.810 | 0.743 | 127.810 | 1.062 | 129.760 | 0.529 |
| 132.810 | 0.369 | 137.810 | 0.018 | 142.810 | -0.223 | 147.810 | -0.374 |
| 152.810 | -0.954 | 157.810 | -2.175 | 162.810 | -3.326 | 167.810 | -3.407 |
| 172.810 | -2.977 | 177.810 | -2.978 | 182.810 | -3.009 | 187.810 | -2.960 |
| 192.810 | -2.880 | 197.810 | -2.681 | 202.810 | -2.762 | 207.810 | -2.862 |
| 212.800 | -2.733 | 217.800 | -2.734 | 222.800 | -2.735 | 227.800 | -2.865 |
| 232.800 | -2.966 | 237.800 | -3.017 | 242.800 | -3.138 | 247.800 | -3.338 |
| 252.800 | -3.419 | 257.800 | -3.490 | 262.800 | -3.570 | 267.800 | -3.591 |
| 272.800 | -3.922 | 277.800 | -3.973 | 282.800 | -4.073 | 287.800 | -4.294 |
| 292.800 | -4.445 | 297.800 | -4.576 | 302.800 | -4.896 | 307.800 | -5.027 |
| 312.800 | -5.298 | 317.800 | -5.498 | 322.800 | -5.629 | 327.800 | -5.850 |
| 332.800 | -6.001 | 337.800 | -6.401 | 342.800 | -6.632 | 347.800 | -7.033 |
| 352.800 | -7.054 | 357.800 | -7.134 | 362.800 | -7.435 | 367.800 | -7.136 |
| 372.800 | -7.287 | 377.790 | -7.457 | 382.790 | -7.538 | 387.790 | -7.539 |
| 392.790 | -7.609 | 397.790 | -6.910 | 402.790 | -4.641 | 407.790 | -4.462 |
| 412.790 | -4.092 | 417.790 | -3.613 | 422.790 | -3.364 | 427.790 | -3.565 |
| 432.790 | -3.565 | 433.090 | -3.635 | 437.790 | -2.116 | 438.790 | -2.316 |
| 442.790 | -1.087 | 445.790 | -0.477 | 446.690 | -0.277 | 447.990 | 0.093 |
| 450.540 | 0.482 | 451.490 | 0.517 | 456.890 | 2.547 | 457.280 | 2.607 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 457.280 | 2.583 | 458.030 | 2.663 | 458.280 | 2.773 | 464.080 | 3.523 |
| 465.780 | 4.283 | 467.680 | 5.713 | 468.180 | 5.773 | 471.180 | 5.843 |
| 474.180 | 5.713 | 474.580 | 5.673 | 475.330 | 4.963 | 475.780 | 4.733 |
| 475.780 | 5.052 | | | | | | |
| 12.4km | 0.000 | | | | 147 | 73 131 | 23 141 |
| -75.000 | 1.725 | -48.000 | 1.495 | -46.300 | 0.975 | -46.000 | 0.765 |
| -28.150 | 0.725 | -27.800 | 0.925 | -27.150 | 0.975 | -27.150 | 0.755 |
| -27.030 | 0.755 | -27.030 | -0.395 | -25.900 | -0.395 | -25.900 | 0.315 |
| -25.900 | 0.775 | -25.210 | 0.865 | -24.800 | 0.885 | -24.650 | 0.895 |
| -24.580 | 1.125 | -23.350 | 1.315 | -17.210 | 3.972 | -12.900 | 4.212 |
| -7.970 | 6.702 | -4.500 | 6.932 | -1.550 | 6.802 | -1.100 | 6.502 |
| 0.000 | 6.385 | 0.000 | 6.012 | 0.730 | 5.712 | 3.200 | 4.202 |
| 3.300 | 4.022 | 5.400 | 2.932 | 10.800 | 2.382 | 11.070 | 2.292 |
| 12.020 | 2.194 | 15.800 | 0.486 | 15.800 | 0.216 | 19.000 | 0.356 |
| 19.700 | 0.466 | 25.300 | 0.486 | 26.800 | 0.496 | 35.000 | 0.606 |
| 38.000 | 0.536 | 38.700 | 0.206 | 39.500 | 0.206 | 40.200 | 0.576 |
| 40.400 | 0.526 | 42.000 | 0.106 | 43.200 | 0.166 | 44.500 | 0.836 |
| 46.500 | 0.935 | 54.500 | 0.948 | 55.700 | 0.138 | 57.400 | 0.028 |
| 58.500 | 0.718 | 63.000 | 0.888 | 70.000 | 0.808 | 79.000 | 0.728 |
| 81.500 | 0.778 | 87.500 | 0.758 | 95.000 | 0.948 | 100.000 | 1.158 |
| 110.000 | 1.368 | 117.000 | 1.278 | 123.500 | 0.978 | 134.700 | 0.858 |
| 138.060 | 0.978 | 138.060 | 1.310 | 139.660 | 0.662 | 139.810 | 0.582 |
| 140.710 | 0.082 | 143.060 | -0.108 | 148.060 | -0.188 | 153.060 | -0.148 |
| 158.060 | -0.518 | 163.060 | -1.129 | 168.060 | -1.729 | 173.060 | -2.179 |
| 178.060 | -2.769 | 183.060 | -2.899 | 188.060 | -2.999 | 193.060 | -3.599 |
| 198.060 | -3.450 | 203.060 | -3.550 | 208.060 | -4.100 | 213.060 | -3.950 |
| 218.060 | -3.470 | 223.060 | -3.600 | 228.060 | -3.550 | 233.060 | -3.670 |
| 238.060 | -3.671 | 243.060 | -3.821 | 248.060 | -3.851 | 253.060 | -3.821 |
| 258.060 | -3.871 | 263.060 | -3.871 | 268.060 | -3.951 | 273.060 | -3.902 |
| 278.060 | -3.952 | 283.060 | -3.972 | 288.060 | -3.972 | 293.060 | -4.152 |
| 298.070 | -4.202 | 303.070 | -4.272 | 308.070 | -4.322 | 313.070 | -4.423 |
| 318.070 | -4.453 | 323.070 | -4.553 | 328.070 | -4.773 | 333.070 | -4.953 |
| 338.070 | -5.103 | 343.070 | -5.423 | 348.070 | -5.874 | 353.070 | -6.604 |
| 358.070 | -6.274 | 363.070 | -6.274 | 368.070 | -6.424 | 373.070 | -6.574 |
| 378.070 | -6.824 | 383.070 | -7.024 | 388.070 | -7.255 | 393.070 | -7.375 |
| 398.070 | -7.425 | 403.070 | -7.575 | 408.070 | -7.855 | 413.070 | -7.955 |
| 418.070 | -7.605 | 423.070 | -6.776 | 428.070 | -5.076 | 433.070 | -3.856 |
| 438.070 | -1.456 | 439.170 | -1.376 | 443.070 | -0.626 | 445.070 | -0.266 |
| 447.070 | 0.224 | 449.370 | 0.574 | 451.570 | 0.807 | 456.440 | 2.725 |
| 456.440 | 2.707 | 457.400 | 2.807 | 457.400 | 2.517 | 462.350 | 3.307 |
| 466.150 | 5.957 | 469.250 | 5.977 | 472.150 | 5.917 | 472.350 | 5.917 |
| 473.300 | 5.257 | 473.750 | 5.047 | 473.750 | 5.372 | | |
| 12.6km | 0.000 | | | | 157 | 69 141 | 29 148 |
| -75.580 | 1.720 | -66.540 | 1.630 | -66.540 | 0.930 | -65.020 | 0.940 |
| -65.020 | 1.620 | -58.610 | 1.740 | -48.970 | 1.670 | -39.110 | 1.680 |
| -30.840 | 1.790 | -29.980 | 2.000 | -29.250 | 1.980 | -27.640 | 1.360 |
| -26.920 | 0.820 | -26.920 | -0.310 | -25.800 | -0.320 | -25.800 | 0.810 |
| -25.700 | 0.900 | -24.690 | 1.000 | -24.690 | 1.170 | -24.690 | 1.000 |
| -24.660 | 1.000 | -24.600 | 1.170 | -22.750 | 1.420 | -16.880 | 4.339 |
| -13.020 | 4.373 | -7.570 | 7.146 | -7.570 | 6.993 | -4.150 | 7.213 |
| -1.510 | 7.103 | -1.020 | 6.803 | 0.000 | 6.313 | 0.000 | 6.313 |
| 0.000 | 6.649 | 0.000 | 6.316 | 0.000 | 6.316 | 0.840 | 5.966 |
| 3.480 | 4.256 | 5.800 | 3.136 | 11.130 | 2.576 | 11.350 | 2.486 |
| 12.300 | 2.420 | 12.300 | 2.418 | 15.940 | 0.728 | 23.680 | 0.738 |
| 29.660 | 0.688 | 39.410 | 0.718 | 48.500 | 0.758 | 57.330 | 0.838 |
| 66.300 | 0.848 | 74.610 | 0.878 | 84.710 | 0.918 | 93.120 | 0.938 |

S59横断データ (-0.6~56.2). dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 95.920 | 0.948 | 97.540 | 1.208 | 104.590 | 1.338 | 109.220 | 1.078 |
| 118.410 | 1.008 | 123.600 | 1.108 | 124.320 | 0.948 | 124.320 | 1.149 |
| 124.320 | 0.954 | 125.920 | 0.674 | 127.120 | 0.154 | 128.620 | -0.266 |
| 129.320 | -0.266 | 131.720 | 0.174 | 134.320 | 0.294 | 139.310 | 0.304 |
| 144.310 | 0.243 | 144.810 | -0.117 | 146.010 | -0.280 | 149.310 | -0.769 |
| 154.310 | -1.578 | 159.300 | -2.498 | 164.300 | -3.327 | 169.300 | -3.796 |
| 174.300 | -3.775 | 179.300 | -3.774 | 184.290 | -3.893 | 189.290 | -3.933 |
| 194.290 | -3.922 | 199.290 | -3.871 | 204.280 | -3.970 | 209.280 | -3.699 |
| 214.280 | -3.658 | 219.280 | -3.728 | 224.270 | -3.757 | 229.270 | -3.726 |
| 234.270 | -3.655 | 239.270 | -4.364 | 244.270 | -4.713 | 249.260 | -4.943 |
| 254.260 | -4.312 | 259.260 | -4.761 | 264.260 | -3.740 | 269.250 | -4.679 |
| 274.250 | -4.838 | 279.250 | -4.708 | 284.250 | -5.117 | 289.250 | -4.706 |
| 289.250 | -5.176 | 294.240 | -5.135 | 299.240 | -5.034 | 304.240 | -4.004 |
| 309.240 | -4.033 | 314.230 | -4.252 | 319.230 | -4.251 | 324.230 | -4.370 |
| 329.230 | -4.459 | 334.220 | -4.429 | 339.220 | -4.498 | 344.220 | -4.547 |
| 349.220 | -4.566 | 354.220 | -4.695 | 359.210 | -4.854 | 364.210 | -5.194 |
| 369.210 | -6.343 | 374.210 | -6.942 | 379.200 | -7.121 | 384.200 | -7.290 |
| 389.200 | -7.319 | 394.200 | -7.319 | 399.200 | -7.538 | 404.190 | -7.487 |
| 409.190 | -6.516 | 414.190 | -5.715 | 419.190 | -4.334 | 424.180 | -3.884 |
| 429.180 | -4.233 | 434.180 | -3.732 | 439.180 | -1.731 | 439.580 | -1.751 |
| 443.180 | -1.391 | 444.170 | -1.250 | 446.530 | -0.350 | 446.530 | -0.350 |
| 447.800 | -0.230 | 447.970 | -0.193 | 447.970 | -0.193 | 448.320 | -0.193 |
| 455.700 | 2.717 | 455.700 | 2.717 | 455.700 | 2.714 | 455.700 | 2.711 |
| 455.700 | 2.711 | 456.680 | 2.811 | 460.080 | 3.191 | 464.520 | 5.461 |
| 465.110 | 5.451 | 467.970 | 5.511 | 470.850 | 5.511 | 471.110 | 5.601 |
| 471.660 | 5.591 | 472.190 | 5.521 | 472.680 | 5.001 | 472.680 | 5.001 |
| 472.680 | 5.348 | | | | | | |
| 12.8km | 0.000 | | | | 145 | 51 127 | 20 138 |
| -76.110 | 1.949 | -72.320 | 2.149 | -69.280 | 2.159 | -62.910 | 2.139 |
| -55.010 | 2.049 | -53.030 | 1.759 | -50.160 | 1.639 | -46.960 | 1.609 |
| -37.850 | 1.369 | -31.780 | 1.179 | -28.140 | 1.209 | -28.140 | 1.241 |
| -28.140 | 1.209 | -22.720 | 1.189 | -17.000 | 4.018 | -13.180 | 4.128 |
| -7.750 | 6.994 | -7.750 | 6.848 | -4.310 | 7.048 | -1.630 | 6.918 |
| -1.120 | 6.628 | 0.000 | 6.018 | 0.000 | 6.018 | 0.000 | 6.344 |
| 0.000 | 6.020 | 0.000 | 6.020 | 0.740 | 5.710 | 2.880 | 4.260 |
| 5.100 | 3.160 | 11.020 | 2.470 | 11.930 | 2.420 | 11.930 | 2.418 |
| 15.530 | 0.818 | 20.060 | 0.638 | 24.450 | 1.568 | 34.140 | 2.118 |
| 37.010 | 2.148 | 43.180 | 1.518 | 47.520 | 1.548 | 50.750 | 1.348 |
| 54.710 | 0.608 | 60.010 | 0.768 | 65.970 | 1.378 | 69.680 | 1.338 |
| 73.790 | 0.898 | 82.690 | 0.858 | 91.220 | 0.848 | 96.980 | -0.182 |
| 100.620 | 0.588 | 105.780 | 0.718 | 109.180 | 0.928 | 109.180 | 1.033 |
| 109.180 | 0.909 | 114.180 | 0.379 | 115.410 | 0.089 | 115.630 | -0.171 |
| 115.750 | -0.182 | 119.180 | -0.682 | 124.180 | -1.161 | 129.170 | -2.231 |
| 134.170 | -2.830 | 139.170 | -3.020 | 144.170 | -3.279 | 149.170 | -3.378 |
| 154.170 | -3.588 | 159.170 | -3.797 | 164.160 | -3.857 | 169.160 | -3.726 |
| 174.160 | -3.665 | 179.160 | -3.625 | 184.160 | -3.884 | 189.160 | -3.914 |
| 194.160 | -4.153 | 199.150 | -4.173 | 204.150 | -4.182 | 209.150 | -4.171 |
| 214.150 | -4.211 | 219.150 | -4.380 | 224.150 | -4.420 | 229.150 | -4.449 |
| 234.140 | -4.408 | 239.140 | -4.188 | 244.140 | -3.997 | 249.140 | -4.047 |
| 254.140 | -3.966 | 259.140 | -5.816 | 264.140 | -6.645 | 269.130 | -5.664 |
| 274.130 | -5.414 | 279.130 | -6.113 | 284.130 | -5.813 | 289.130 | -5.912 |
| 294.130 | -5.641 | 299.120 | -5.611 | 304.120 | -5.940 | 309.120 | -3.810 |
| 314.120 | -3.659 | 319.120 | -3.739 | 324.120 | -3.738 | 329.120 | -3.857 |
| 334.110 | -3.907 | 339.110 | -3.996 | 344.110 | -4.106 | 349.110 | -4.205 |
| 354.110 | -4.434 | 359.110 | -4.704 | 364.110 | -5.003 | 369.100 | -4.953 |
| 374.100 | -5.052 | 379.100 | -5.222 | 384.100 | -5.321 | 389.100 | -5.310 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 394.100 | -5.310 | 399.100 | -5.489 | 404.090 | -5.649 | 409.090 | -5.648 |
| 414.090 | -5.467 | 419.090 | -5.247 | 424.090 | -5.206 | 429.090 | -5.096 |
| 434.090 | -5.425 | 438.510 | -1.245 | 439.080 | -1.305 | 444.080 | -0.744 |
| 446.880 | -0.144 | 447.280 | -0.031 | 450.680 | 0.579 | 456.380 | 2.579 |
| 456.460 | 2.579 | 456.460 | 2.579 | 456.460 | 2.591 | 456.460 | 2.587 |
| 456.460 | 2.587 | 457.350 | 2.767 | 459.530 | 3.037 | 464.960 | 5.747 |
| 464.960 | 5.677 | 465.570 | 5.697 | 468.490 | 5.737 | 471.420 | 5.737 |
| 471.660 | 5.737 | 472.180 | 5.607 | 473.090 | 5.157 | 473.090 | 5.157 |
| 473.090 | 5.516 | | | | | | |
| 13.0km | 0.000 | | | | 151 | 64 133 | 28 143 |
| -75.920 | 1.397 | -69.830 | 1.197 | -68.880 | 0.617 | -66.010 | 0.597 |
| -56.930 | 0.547 | -47.110 | 0.567 | -37.510 | 0.547 | -28.290 | 0.607 |
| -28.000 | 0.837 | -27.380 | 0.827 | -27.380 | 0.487 | -27.330 | 0.487 |
| -27.330 | -0.383 | -26.210 | -0.383 | -26.210 | 0.517 | -26.000 | 0.627 |
| -25.560 | 0.657 | -25.560 | 0.801 | -25.560 | 0.657 | -25.280 | 0.677 |
| -25.120 | 1.127 | -22.630 | 1.207 | -17.110 | 4.113 | -13.030 | 4.305 |
| -7.850 | 7.111 | -7.850 | 6.925 | -4.720 | 7.025 | -1.410 | 6.995 |
| -0.860 | 6.625 | 0.000 | 6.205 | 0.000 | 6.205 | 0.000 | 6.494 |
| 0.000 | 6.202 | 0.060 | 6.202 | 0.940 | 5.752 | 3.070 | 4.642 |
| 5.750 | 3.342 | 10.200 | 2.892 | 11.180 | 2.732 | 12.100 | 2.702 |
| 12.100 | 2.699 | 16.240 | 0.646 | 18.220 | 0.556 | 22.300 | 1.116 |
| 25.600 | 2.746 | 34.350 | 2.646 | 43.480 | 2.546 | 48.160 | 2.126 |
| 50.540 | 0.746 | 53.410 | 0.146 | 60.000 | 0.416 | 69.610 | 0.576 |
| 78.150 | 0.626 | 81.500 | 0.576 | 88.780 | 0.986 | 91.080 | 1.406 |
| 102.390 | 1.166 | 105.400 | 0.996 | 108.740 | 1.226 | 108.740 | 1.312 |
| 108.740 | 1.225 | 109.340 | 1.175 | 110.240 | 0.895 | 110.540 | 0.625 |
| 113.730 | 0.075 | 114.630 | -0.078 | 118.730 | -0.658 | 123.720 | -1.267 |
| 128.710 | -3.676 | 133.710 | -4.765 | 138.700 | -5.224 | 143.690 | -5.223 |
| 148.690 | -5.222 | 153.680 | -5.021 | 158.680 | -4.920 | 163.670 | -4.269 |
| 168.660 | -4.208 | 173.660 | -4.207 | 178.650 | -4.186 | 183.640 | -4.355 |
| 188.640 | -4.504 | 193.630 | -4.613 | 198.620 | -4.703 | 203.620 | -4.732 |
| 208.610 | -4.981 | 213.600 | -4.860 | 218.600 | -4.769 | 223.590 | -4.748 |
| 228.590 | -4.907 | 233.580 | -5.006 | 238.570 | -5.015 | 243.570 | -4.944 |
| 248.560 | -4.803 | 253.550 | -4.592 | 258.550 | -4.411 | 263.540 | -4.330 |
| 268.530 | -4.299 | 273.530 | -4.148 | 278.520 | -4.028 | 283.510 | -3.927 |
| 288.510 | -4.026 | 293.500 | -3.865 | 298.490 | -3.764 | 303.490 | -3.813 |
| 308.480 | -3.662 | 313.480 | -3.541 | 318.470 | -3.580 | 323.460 | -3.649 |
| 328.460 | -3.788 | 333.450 | -4.117 | 338.440 | -4.396 | 343.440 | -4.675 |
| 348.430 | -4.884 | 353.420 | -5.083 | 358.420 | -4.982 | 363.410 | -4.982 |
| 368.400 | -4.961 | 373.400 | -5.000 | 378.390 | -5.039 | 383.380 | -5.048 |
| 388.380 | -4.997 | 393.370 | -5.006 | 398.370 | -5.235 | 403.360 | -5.524 |
| 408.350 | -5.773 | 413.350 | -5.442 | 418.340 | -5.501 | 423.330 | -4.470 |
| 428.330 | -1.719 | 431.190 | -1.219 | 433.320 | -1.018 | 438.310 | -0.187 |
| 438.810 | -0.017 | 442.270 | 0.559 | 445.010 | 1.459 | 447.800 | 2.629 |
| 447.800 | 2.629 | 449.480 | 3.389 | 449.690 | 3.419 | 449.690 | 3.583 |
| 449.690 | 3.456 | 453.490 | 4.036 | 457.350 | 5.826 | 457.840 | 5.826 |
| 460.870 | 5.856 | 463.840 | 5.806 | 464.160 | 5.796 | 464.700 | 5.646 |
| 465.550 | 5.196 | 465.550 | 5.196 | 465.550 | 5.518 | | |
| 13.2km | 0.000 | | | | 147 | 59 128 | 23 140 |
| -77.460 | 2.430 | -72.840 | 2.460 | -63.860 | 2.570 | -55.010 | 2.680 |
| -47.400 | 2.850 | -47.400 | 3.570 | -47.320 | 3.679 | -47.320 | 3.537 |
| -38.850 | 3.577 | -31.040 | 3.377 | -27.740 | 4.197 | -25.580 | 4.327 |
| -22.590 | 2.817 | -21.700 | 2.817 | -20.730 | 2.587 | -20.730 | 2.815 |
| -20.730 | 2.587 | -17.230 | 4.267 | -13.150 | 4.377 | -7.890 | 7.284 |
| -7.890 | 7.077 | -4.380 | 7.197 | -1.830 | 7.187 | -1.200 | 6.877 |
| 0.000 | 6.277 | 0.000 | 6.277 | 0.000 | 6.663 | 0.000 | 6.277 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 0.000 | 6.277 | 0.610 | 5.997 | 2.950 | 4.807 | 5.460 | 3.547 |
| 10.230 | 3.017 | 10.940 | 2.897 | 11.920 | 2.867 | 11.920 | 2.870 |
| 16.040 | 0.775 | 21.640 | 0.415 | 26.150 | 0.445 | 32.680 | 1.095 |
| 39.440 | 1.505 | 48.410 | 1.515 | 55.200 | 1.585 | 60.000 | 1.465 |
| 65.540 | 1.495 | 69.160 | 0.965 | 72.020 | 1.015 | 74.090 | 1.795 |
| 77.860 | 1.355 | 80.000 | 0.375 | 81.900 | 0.245 | 85.210 | 0.305 |
| 87.700 | 0.375 | 88.730 | 0.465 | 91.150 | 1.075 | 101.030 | 1.525 |
| 101.030 | 1.620 | 101.030 | 1.515 | 102.350 | 1.485 | 102.350 | 0.465 |
| 105.570 | 0.062 | 106.030 | -0.008 | 111.030 | -0.677 | 116.020 | -1.096 |
| 121.020 | -2.685 | 126.020 | -3.004 | 131.020 | -3.183 | 136.020 | -3.312 |
| 141.020 | -3.441 | 146.010 | -3.630 | 151.010 | -3.669 | 156.010 | -3.718 |
| 161.010 | -3.807 | 166.010 | -4.026 | 171.010 | -3.925 | 176.000 | -4.364 |
| 181.000 | -4.203 | 186.000 | -4.222 | 191.000 | -4.301 | 196.000 | -4.390 |
| 200.990 | -4.569 | 205.990 | -4.589 | 210.990 | -4.538 | 215.990 | -4.597 |
| 220.990 | -4.636 | 225.990 | -4.815 | 230.980 | -4.634 | 235.980 | -4.483 |
| 240.980 | -4.472 | 245.980 | -4.361 | 250.980 | -4.430 | 255.970 | -4.359 |
| 260.970 | -4.528 | 265.970 | -4.497 | 270.970 | -4.656 | 275.970 | -4.425 |
| 280.970 | -4.324 | 285.960 | -4.193 | 290.960 | -3.972 | 295.960 | -4.021 |
| 300.960 | -3.960 | 305.960 | -3.849 | 310.960 | -3.548 | 315.950 | -3.507 |
| 320.950 | -3.146 | 325.950 | -3.215 | 330.950 | -2.874 | 335.950 | -2.813 |
| 340.940 | -2.972 | 345.940 | -2.971 | 350.940 | -3.040 | 355.940 | -3.469 |
| 360.940 | -3.838 | 365.940 | -4.667 | 370.930 | -4.736 | 375.930 | -5.065 |
| 380.930 | -5.375 | 385.930 | -5.734 | 390.930 | -6.003 | 395.920 | -5.682 |
| 400.920 | -5.001 | 405.920 | -4.760 | 410.920 | -5.069 | 415.920 | -4.878 |
| 419.320 | -2.577 | 420.920 | -1.577 | 425.910 | -0.576 | 427.710 | -0.235 |
| 430.110 | 0.125 | 433.210 | 0.537 | 439.030 | 2.817 | 439.100 | 2.817 |
| 439.100 | 2.814 | 439.100 | 2.818 | 439.100 | 2.818 | 440.010 | 2.928 |
| 442.790 | 3.248 | 448.030 | 5.919 | 448.030 | 5.728 | 448.280 | 5.898 |
| 448.630 | 5.888 | 451.600 | 5.928 | 454.870 | 5.888 | 455.530 | 5.798 |
| 456.240 | 5.428 | 456.240 | 5.428 | 456.240 | 5.718 | | |
| 13.4km | 0.000 | | | | 150 | 46.141 | 19.144 |
| -75.720 | 1.469 | -67.200 | 1.549 | -57.000 | 1.639 | -54.780 | 2.344 |
| -54.780 | 2.189 | -53.610 | 2.389 | -49.040 | 2.069 | -40.270 | 2.139 |
| -33.200 | 2.019 | -29.620 | 2.409 | -21.430 | 2.589 | -21.430 | 2.818 |
| -21.430 | 2.589 | -17.200 | 4.470 | -12.940 | 4.602 | -7.970 | 7.465 |
| -7.970 | 7.262 | -4.880 | 7.392 | -1.650 | 7.322 | -1.180 | 7.082 |
| 0.000 | 6.482 | 0.000 | 6.482 | 0.000 | 6.812 | 0.000 | 6.480 |
| 0.000 | 6.480 | 0.680 | 6.150 | 2.950 | 4.950 | 5.560 | 3.600 |
| 10.470 | 3.150 | 11.060 | 3.060 | 12.040 | 2.990 | 12.040 | 2.992 |
| 15.990 | 0.877 | 18.000 | 0.887 | 21.530 | 1.257 | 30.940 | 1.747 |
| 39.710 | 2.007 | 47.150 | 2.317 | 54.360 | 1.787 | 58.090 | 1.377 |
| 61.510 | 0.557 | 66.780 | 0.577 | 70.080 | 1.127 | 70.080 | 1.242 |
| 70.080 | 1.126 | 70.980 | 1.106 | 71.480 | 0.746 | 71.980 | 0.596 |
| 73.380 | 0.336 | 73.380 | 0.163 | 73.380 | -0.127 | 74.080 | -0.217 |
| 74.080 | -0.457 | 75.080 | -0.537 | 80.070 | -1.336 | 85.070 | -2.935 |
| 90.070 | -4.934 | 95.070 | -4.633 | 100.060 | -4.582 | 105.060 | -4.381 |
| 110.060 | -4.610 | 115.050 | -4.679 | 120.050 | -4.478 | 125.050 | -4.667 |
| 130.050 | -4.446 | 135.040 | -5.545 | 140.040 | -5.774 | 145.040 | -5.623 |
| 150.030 | -5.622 | 155.030 | -5.631 | 160.030 | -5.520 | 165.030 | -5.369 |
| 170.020 | -5.208 | 175.020 | -5.107 | 180.020 | -4.896 | 185.010 | -4.715 |
| 190.010 | -4.704 | 195.010 | -6.563 | 200.010 | -6.062 | 205.000 | -5.061 |
| 210.000 | -4.960 | 215.000 | -6.059 | 219.990 | -5.858 | 224.990 | -5.867 |
| 229.990 | -5.666 | 234.990 | -5.255 | 239.980 | -4.844 | 244.980 | -5.383 |
| 249.980 | -5.232 | 254.970 | -5.001 | 259.970 | -4.530 | 264.970 | -4.749 |
| 269.970 | -4.878 | 274.960 | -4.937 | 279.960 | -4.276 | 284.960 | -4.055 |
| 289.950 | -4.314 | 294.950 | -4.473 | 299.950 | -3.972 | 304.950 | -3.741 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 309.940 | -3.790 | 314.940 | -3.329 | 319.940 | -2.688 | 324.940 | -2.227 |
| 329.930 | -2.306 | 334.930 | -2.035 | 339.930 | -1.925 | 344.920 | -1.984 |
| 349.920 | -2.263 | 354.920 | -2.262 | 359.920 | -2.151 | 364.910 | -1.980 |
| 369.910 | -1.729 | 374.910 | -1.488 | 379.900 | -1.377 | 384.900 | -1.396 |
| 389.900 | -1.565 | 394.900 | -1.634 | 399.890 | -1.723 | 404.890 | -1.772 |
| 409.890 | -1.841 | 414.880 | -1.950 | 419.880 | -2.049 | 424.880 | -2.068 |
| 429.880 | -2.087 | 434.870 | -2.116 | 439.870 | -2.065 | 440.870 | -1.745 |
| 444.870 | -0.764 | 445.570 | -0.564 | 445.570 | -0.564 | 447.170 | -0.143 |
| 449.360 | 0.237 | 450.660 | 0.340 | 457.110 | 2.820 | 457.200 | 2.810 |
| 457.200 | 2.810 | 457.200 | 2.830 | 457.200 | 2.829 | 457.200 | 2.829 |
| 458.040 | 2.909 | 461.980 | 3.369 | 467.000 | 5.949 | 467.280 | 5.949 |
| 470.290 | 5.959 | 473.600 | 5.899 | 473.870 | 5.819 | 474.740 | 5.399 |
| 474.740 | 5.399 | 474.740 | 5.710 | | | | |
| 13.6km | 0.000 | | | | 177 | 41 150 | 19 171 |
| -76.410 | 1.761 | -74.320 | 1.811 | -65.300 | 1.941 | -56.490 | 1.991 |
| -54.580 | 2.281 | -51.790 | 2.351 | -50.200 | 1.981 | -45.800 | 1.901 |
| -37.040 | 1.841 | -28.190 | 1.931 | -28.190 | 2.054 | -28.190 | 1.931 |
| -23.170 | 1.971 | -17.520 | 4.373 | -13.500 | 4.519 | -8.480 | 7.311 |
| -8.480 | 7.149 | -5.160 | 7.259 | -1.660 | 7.209 | -1.160 | 6.809 |
| 0.000 | 6.289 | 0.000 | 6.289 | 0.000 | 6.632 | 0.000 | 6.291 |
| 0.000 | 6.291 | 0.700 | 5.941 | 2.880 | 4.801 | 5.580 | 3.471 |
| 10.350 | 2.961 | 11.190 | 2.831 | 11.980 | 2.801 | 11.980 | 2.805 |
| 15.100 | 1.091 | 19.410 | 1.151 | 29.460 | 1.591 | 35.780 | 1.651 |
| 35.780 | 1.771 | 35.780 | 1.659 | 36.580 | 1.619 | 37.250 | 1.409 |
| 40.050 | 1.459 | 41.230 | 0.535 | 45.080 | -1.165 | 45.780 | -1.185 |
| 50.780 | -2.715 | 55.780 | -4.365 | 60.780 | -4.314 | 65.780 | -4.244 |
| 70.780 | -4.384 | 75.780 | -4.364 | 80.780 | -4.414 | 85.780 | -4.364 |
| 90.780 | -4.414 | 95.780 | -4.384 | 100.780 | -4.364 | 105.780 | -4.213 |
| 110.780 | -4.163 | 115.780 | -4.113 | 120.780 | -4.413 | 125.780 | -4.143 |
| 130.780 | -4.343 | 135.780 | -4.413 | 140.770 | -4.383 | 145.770 | -4.212 |
| 150.770 | -3.812 | 155.770 | -3.812 | 160.770 | -3.762 | 165.770 | -4.042 |
| 170.770 | -4.062 | 175.770 | -3.982 | 180.770 | -4.182 | 185.770 | -4.162 |
| 190.770 | -4.361 | 195.770 | -4.081 | 200.770 | -3.941 | 205.770 | -3.761 |
| 210.770 | -3.711 | 215.770 | -3.711 | 220.770 | -3.741 | 225.770 | -3.941 |
| 230.770 | -4.340 | 235.770 | -4.560 | 240.770 | -4.780 | 245.770 | -4.840 |
| 250.770 | -4.840 | 255.770 | -4.880 | 260.770 | -4.840 | 265.770 | -4.780 |
| 270.770 | -4.640 | 275.770 | -4.559 | 280.770 | -4.409 | 285.770 | -4.239 |
| 290.770 | -4.109 | 295.770 | -4.109 | 300.770 | -4.009 | 305.770 | -4.059 |
| 310.770 | -3.909 | 315.770 | -4.008 | 320.770 | -3.958 | 325.770 | -3.938 |
| 330.770 | -3.878 | 335.760 | -4.008 | 340.760 | -3.708 | 345.760 | -3.208 |
| 350.760 | -2.458 | 355.760 | -2.078 | 360.760 | -1.807 | 365.760 | -1.707 |
| 370.760 | -1.257 | 375.760 | -1.107 | 380.760 | -0.707 | 385.760 | -0.637 |
| 390.760 | -0.307 | 395.760 | -0.057 | 400.760 | 0.144 | 405.760 | 0.044 |
| 409.960 | 0.544 | 410.560 | 0.626 | 411.660 | 0.549 | 415.760 | -0.056 |
| 420.760 | -0.061 | 425.760 | -0.227 | 430.760 | -0.553 | 435.760 | -0.648 |
| 435.960 | -0.678 | 435.960 | -0.128 | 436.660 | -0.129 | 436.660 | -0.039 |
| 437.160 | -0.040 | 437.160 | 0.190 | 437.660 | 0.190 | 437.660 | 0.380 |
| 438.260 | 0.379 | 438.260 | 0.519 | 438.260 | 0.576 | 438.760 | 0.576 |
| 438.760 | 0.766 | 439.260 | 0.766 | 439.260 | 0.956 | 439.860 | 0.956 |
| 439.860 | 1.146 | 440.360 | 1.146 | 440.360 | 1.356 | 440.960 | 1.356 |
| 440.960 | 1.546 | 441.360 | 1.546 | 441.360 | 1.736 | 441.960 | 1.736 |
| 441.960 | 1.946 | 442.610 | 1.946 | 442.610 | 2.196 | 443.220 | 2.196 |
| 443.220 | 2.436 | 444.260 | 2.476 | 444.260 | 2.476 | 444.260 | 2.483 |
| 444.260 | 2.486 | 444.260 | 2.486 | 444.460 | 2.486 | 445.920 | 2.486 |
| 455.710 | 2.496 | 466.360 | 2.536 | 475.360 | 2.546 | 484.560 | 2.566 |
| 494.960 | 2.626 | 504.060 | 2.746 | 505.710 | 2.796 | 506.660 | 2.896 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 511.160 | 3.416 | 516.360 | 5.996 | 516.860 | 5.996 | 519.760 | 6.046 |
| 522.810 | 5.986 | 523.070 | 5.976 | 523.960 | 5.576 | 523.960 | 5.576 |
| 523.960 | 5.891 | | | | | | |
| 13.8km | 0.000 | | | | 200 | 41 148 | 19 167 |
| -74.920 | 3.370 | -67.000 | 3.654 | -59.630 | 4.264 | -53.360 | 4.314 |
| -52.500 | 4.754 | -51.640 | 4.744 | -51.440 | 5.084 | -51.240 | 5.084 |
| -50.730 | 5.134 | -43.850 | 8.479 | -43.850 | 8.471 | -32.500 | 9.611 |
| -27.200 | 11.691 | -27.100 | 11.691 | -27.100 | 11.691 | -27.100 | 11.691 |
| -24.230 | 11.801 | -20.000 | 11.881 | -16.430 | 11.795 | -16.430 | 11.791 |
| -16.310 | 11.771 | -16.050 | 11.751 | -15.800 | 11.731 | -7.920 | 7.770 |
| -0.950 | 7.770 | 0.570 | 7.000 | 1.000 | 6.780 | 1.000 | 6.780 |
| 1.000 | 7.085 | 1.000 | 6.781 | 1.000 | 6.781 | 1.460 | 6.541 |
| 4.860 | 4.861 | 7.520 | 3.631 | 11.180 | 3.351 | 12.250 | 3.551 |
| 17.680 | 3.351 | 20.080 | 2.701 | 28.400 | 2.701 | 36.260 | 2.691 |
| 39.420 | 2.661 | 40.600 | 2.611 | 40.600 | 2.611 | 40.600 | 2.613 |
| 40.600 | 2.609 | 40.600 | 2.609 | 40.710 | 2.599 | 43.410 | 1.259 |
| 43.410 | 1.259 | 43.660 | 1.139 | 43.980 | 1.159 | 43.980 | 1.159 |
| 45.790 | 1.079 | 45.790 | 1.079 | 46.480 | 1.089 | 46.480 | 0.499 |
| 46.480 | 0.389 | 46.000 | 0.389 | 46.000 | -1.501 | 46.000 | -1.501 |
| 50.590 | -2.601 | 54.430 | -2.800 | 55.580 | -2.950 | 60.570 | -4.350 |
| 65.570 | -4.289 | 70.560 | -4.419 | 75.550 | -4.648 | 80.540 | -4.218 |
| 85.540 | -4.147 | 90.530 | -4.247 | 95.520 | -4.146 | 100.520 | -3.676 |
| 105.510 | -3.375 | 110.500 | -3.035 | 115.500 | -2.674 | 120.490 | -2.444 |
| 125.480 | -2.343 | 130.480 | -1.993 | 135.470 | -1.842 | 140.460 | -3.642 |
| 145.460 | -4.941 | 150.450 | -4.241 | 155.440 | -4.240 | 160.430 | -4.940 |
| 165.430 | -4.339 | 170.420 | -2.739 | 175.410 | -1.688 | 180.410 | -1.638 |
| 185.400 | -1.737 | 190.390 | -1.837 | 195.390 | -2.066 | 200.380 | -2.266 |
| 205.370 | -2.365 | 210.370 | -2.835 | 215.360 | -2.884 | 220.350 | -3.054 |
| 225.340 | -3.183 | 230.340 | -3.333 | 235.330 | -3.392 | 240.320 | -3.632 |
| 245.320 | -3.731 | 250.310 | -3.761 | 255.300 | -3.680 | 260.300 | -3.600 |
| 265.290 | -3.699 | 270.280 | -3.739 | 275.280 | -3.678 | 280.270 | -3.828 |
| 285.260 | -3.928 | 290.260 | -3.917 | 295.250 | -3.697 | 300.240 | -3.686 |
| 305.230 | -3.826 | 310.230 | -3.975 | 315.220 | -4.015 | 320.210 | -4.224 |
| 325.210 | -4.254 | 330.200 | -4.223 | 335.190 | -4.223 | 340.190 | -4.202 |
| 345.180 | -1.872 | 350.170 | -0.221 | 351.470 | 0.099 | 351.470 | 0.529 |
| 351.470 | 1.604 | 352.870 | 1.894 | 352.870 | 2.001 | 352.870 | 1.841 |
| 355.200 | 1.801 | 366.870 | 1.711 | 374.510 | 1.481 | 383.920 | 1.231 |
| 388.120 | 0.971 | 390.420 | 0.031 | 390.420 | 0.031 | 391.150 | -0.509 |
| 394.850 | -0.579 | 394.850 | -0.579 | 394.850 | 0.031 | 394.850 | 0.171 |
| 394.570 | 0.171 | 394.570 | 0.921 | 395.220 | 0.921 | 395.220 | 0.921 |
| 397.390 | 1.011 | 399.960 | 2.221 | 401.180 | 2.321 | 401.320 | 2.458 |
| 401.320 | 2.321 | 409.320 | 2.401 | 417.370 | 2.431 | 427.170 | 2.451 |
| 436.620 | 2.501 | 447.420 | 2.521 | 456.770 | 2.559 | 462.720 | 3.248 |
| 466.420 | 4.978 | 471.860 | 7.663 | 475.420 | 7.793 | 478.410 | 9.193 |
| 479.320 | 9.603 | 479.320 | 9.603 | 479.320 | 9.961 | 479.320 | 9.605 |
| 479.320 | 9.605 | 480.290 | 10.045 | 481.340 | 10.505 | 481.870 | 10.505 |
| 481.870 | 10.505 | 487.790 | 10.645 | 493.380 | 10.745 | 493.380 | 10.750 |
| 493.720 | 10.775 | 493.970 | 10.765 | 494.170 | 10.755 | 501.850 | 6.915 |
| 504.640 | 6.765 | 504.640 | 6.842 | 504.640 | 6.767 | 505.120 | 6.747 |
| 505.920 | 6.377 | 512.760 | 5.667 | 513.000 | 5.057 | 513.000 | 5.057 |
| 518.270 | 4.987 | 518.370 | 5.107 | 518.490 | 5.107 | 518.520 | 4.977 |
| 518.520 | 4.977 | 519.020 | 4.907 | 529.800 | -0.086 | 530.980 | -0.116 |
| 530.980 | -0.416 | 531.280 | -0.416 | 531.280 | -0.116 | 532.040 | -0.076 |
| 532.040 | 0.013 | 535.520 | 1.444 | 545.450 | 1.414 | 554.470 | 1.424 |
| 14.0km | 0.000 | | | | 180 | 17 96 | 7 114 |
| -3.000 | 6.125 | -3.000 | 5.828 | -3.000 | 5.828 | -1.800 | 6.228 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| -1.100 | 6.658 | 1.620 | 6.678 | 5.240 | 6.448 | 9.080 | 4.718 |
| 14.300 | 4.408 | 18.210 | 3.088 | 26.280 | 2.828 | 29.710 | 2.518 |
| 30.640 | 2.338 | 30.640 | 2.373 | 30.640 | 2.343 | 30.690 | 2.343 |
| 31.890 | 2.213 | 36.090 | 0.266 | 36.240 | 0.146 | 40.640 | -0.433 |
| 45.640 | -1.981 | 50.640 | -2.250 | 55.630 | -1.779 | 60.630 | -3.228 |
| 65.630 | -3.077 | 70.630 | -3.275 | 75.630 | -3.194 | 80.630 | -2.803 |
| 85.630 | -2.272 | 90.630 | -1.391 | 95.620 | -0.799 | 100.620 | -0.468 |
| 105.620 | -0.297 | 110.620 | -0.256 | 115.620 | -0.315 | 120.620 | -0.393 |
| 125.620 | -0.592 | 130.620 | -0.581 | 135.620 | -0.490 | 140.610 | -0.628 |
| 145.610 | -0.677 | 150.610 | -0.746 | 155.610 | -1.105 | 160.610 | -1.184 |
| 165.610 | -0.952 | 170.610 | -1.021 | 175.610 | -1.120 | 180.600 | -1.219 |
| 185.600 | -1.238 | 190.600 | -1.286 | 195.600 | -1.395 | 200.600 | -1.474 |
| 205.600 | -1.693 | 210.600 | -1.692 | 211.600 | -1.791 | 220.600 | -1.829 |
| 225.590 | -1.868 | 230.590 | -1.887 | 235.590 | -1.905 | 240.590 | -1.954 |
| 245.590 | -1.983 | 250.590 | -2.182 | 255.590 | -2.331 | 260.590 | -2.929 |
| 265.580 | -2.928 | 270.580 | -3.157 | 275.580 | -3.726 | 280.580 | -4.115 |
| 285.580 | -4.173 | 290.580 | -4.302 | 295.580 | -4.671 | 300.580 | -4.620 |
| 305.580 | -4.668 | 310.570 | -4.747 | 315.570 | -5.046 | 320.570 | -5.045 |
| 325.570 | -5.064 | 330.570 | -5.082 | 335.570 | -4.921 | 340.570 | -4.790 |
| 345.570 | -5.039 | 350.560 | -4.908 | 355.560 | -5.156 | 360.560 | -4.655 |
| 365.560 | -4.504 | 370.560 | -4.173 | 375.560 | -2.002 | 380.560 | -0.850 |
| 385.560 | -0.699 | 390.560 | -0.298 | 395.550 | -0.707 | 400.550 | -0.695 |
| 405.550 | -0.494 | 406.150 | -0.444 | 409.470 | 0.357 | 417.550 | 2.293 |
| 417.550 | 2.293 | 417.550 | 2.297 | 417.550 | 2.294 | 417.550 | 2.294 |
| 420.370 | 2.334 | 425.750 | 2.404 | 435.450 | 2.474 | 445.000 | 2.584 |
| 446.860 | 2.724 | 451.850 | 2.714 | 452.810 | 2.824 | 452.810 | 2.824 |
| 452.940 | 2.834 | 454.790 | 3.525 | 458.550 | 3.839 | 462.160 | 5.639 |
| 464.350 | 6.699 | 465.250 | 7.109 | 465.250 | 7.109 | 465.250 | 7.429 |
| 465.250 | 7.110 | 465.250 | 7.110 | 466.170 | 7.540 | 466.490 | 7.700 |
| 470.450 | 7.610 | 474.120 | 7.520 | 474.580 | 7.680 | 477.700 | 6.170 |
| 479.050 | 6.110 | 479.290 | 5.520 | 483.050 | 5.460 | 484.850 | 4.590 |
| 485.110 | 4.580 | 485.350 | 3.940 | 487.990 | 3.840 | 489.270 | 3.486 |
| 490.140 | 1.758 | 490.140 | 1.758 | 490.240 | 1.758 | 490.240 | 1.488 |
| 490.610 | 1.488 | 490.610 | 1.958 | 490.750 | 1.958 | 490.840 | 1.968 |
| 490.840 | 2.046 | 490.840 | 1.968 | 492.350 | 2.038 | 497.150 | 1.918 |
| 505.450 | 1.728 | 514.650 | 1.438 | 524.550 | 0.468 | 528.350 | 0.258 |
| 528.450 | 0.256 | 528.450 | 0.156 | 528.500 | 0.156 | 528.500 | -0.104 |
| 528.800 | -0.104 | 528.800 | 0.156 | 528.850 | 0.156 | 528.850 | 0.256 |
| 528.950 | 0.256 | 528.950 | 0.256 | 533.290 | 0.266 | 534.700 | 0.316 |
| 534.700 | 0.316 | 534.970 | 0.316 | 534.970 | -0.034 | 535.350 | -0.034 |
| 535.350 | -0.374 | 535.600 | -0.424 | 535.600 | -0.424 | 535.950 | -1.074 |
| 536.270 | -2.024 | 536.270 | -2.024 | 538.450 | -2.014 | 538.450 | -2.014 |
| 538.970 | -1.074 | 539.400 | -0.444 | 539.400 | -0.444 | 539.630 | -0.334 |
| 539.630 | -0.024 | 540.030 | -0.024 | 540.030 | 0.306 | 540.350 | 0.306 |
| 14.2km | 0.000 | | | | 226 | 12.101 | 7.151 |
| 0.000 | 7.112 | 0.000 | 6.824 | 0.000 | 6.824 | 1.030 | 7.304 |
| 1.390 | 7.694 | 3.740 | 7.714 | 6.380 | 7.694 | 10.180 | 5.624 |
| 13.880 | 3.883 | 17.030 | 2.771 | 22.620 | 2.531 | 23.890 | 2.371 |
| 24.840 | 2.281 | 24.840 | 2.281 | 24.840 | 2.294 | 24.840 | 2.286 |
| 24.840 | 2.286 | 28.610 | 0.390 | 29.440 | -0.010 | 29.830 | -0.010 |
| 31.430 | -0.069 | 33.830 | -0.709 | 34.830 | -0.759 | 39.820 | -1.118 |
| 44.820 | -1.187 | 49.810 | -1.197 | 54.810 | -1.056 | 59.800 | -1.105 |
| 64.790 | -0.804 | 69.790 | -0.753 | 74.780 | -0.783 | 79.780 | -0.392 |
| 84.770 | -0.381 | 89.770 | -0.200 | 94.760 | 0.000 | 99.750 | -0.099 |
| 104.750 | -0.158 | 109.740 | -0.157 | 114.740 | -0.196 | 119.730 | -0.416 |
| 124.720 | -0.615 | 129.720 | -0.624 | 134.710 | -1.043 | 138.110 | -1.393 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 139.310 | -1.593 | 139.710 | -1.592 | 144.700 | -1.242 | 149.700 | -1.471 |
| 154.690 | -1.590 | 159.680 | -1.699 | 164.680 | -1.859 | 169.670 | -1.988 |
| 174.670 | -2.077 | 179.660 | -2.036 | 184.660 | -2.165 | 189.650 | -2.365 |
| 194.640 | -2.684 | 199.640 | -2.683 | 204.630 | -2.632 | 209.630 | -2.591 |
| 214.620 | -2.661 | 219.620 | -2.710 | 224.610 | -2.739 | 229.600 | -2.828 |
| 234.600 | -2.828 | 239.590 | -2.737 | 244.590 | -2.936 | 249.580 | -2.975 |
| 254.580 | -3.054 | 259.570 | -3.124 | 264.560 | -3.123 | 269.560 | -3.272 |
| 274.550 | -3.321 | 279.550 | -3.450 | 284.540 | -3.570 | 289.530 | -3.679 |
| 294.530 | -3.668 | 299.520 | -3.647 | 304.520 | -3.647 | 309.510 | -3.966 |
| 314.510 | -3.895 | 319.500 | -3.794 | 324.490 | -3.663 | 329.490 | -3.353 |
| 334.480 | -3.012 | 339.480 | -2.641 | 344.470 | -3.210 | 349.470 | -3.079 |
| 354.460 | -2.649 | 359.450 | -2.318 | 364.450 | -2.177 | 369.440 | -2.306 |
| 374.440 | -2.556 | 379.430 | -2.805 | 384.430 | -3.004 | 389.420 | -2.653 |
| 394.410 | -1.152 | 396.910 | -0.452 | 396.910 | 0.448 | 397.610 | 1.035 |
| 398.910 | 1.385 | 398.910 | 1.522 | 398.910 | 1.378 | 399.380 | 1.358 |
| 401.310 | 0.718 | 405.580 | 0.398 | 411.580 | 0.358 | 419.380 | 0.528 |
| 422.670 | 0.818 | 425.780 | 0.758 | 427.610 | 0.818 | 429.960 | 1.438 |
| 432.910 | 1.618 | 437.310 | 1.398 | 445.010 | 0.978 | 453.180 | 0.638 |
| 454.330 | 0.188 | 454.980 | -0.122 | 455.400 | -0.322 | 459.450 | -0.672 |
| 459.450 | -0.672 | 459.450 | -0.122 | 459.450 | 0.278 | 459.170 | -0.022 |
| 459.170 | 0.988 | 459.870 | 0.988 | 459.870 | 0.988 | 462.030 | 1.088 |
| 464.620 | 2.308 | 465.810 | 2.368 | 465.870 | 2.480 | 465.870 | 2.388 |
| 470.010 | 2.368 | 479.490 | 2.388 | 489.290 | 2.428 | 499.130 | 2.468 |
| 509.660 | 2.558 | 519.070 | 2.638 | 519.960 | 3.217 | 519.960 | 3.220 |
| 520.910 | 3.320 | 524.980 | 3.670 | 526.510 | 3.950 | 529.800 | 5.540 |
| 532.160 | 6.800 | 532.910 | 7.190 | 532.910 | 7.190 | 532.910 | 7.499 |
| 532.910 | 7.188 | 532.910 | 7.188 | 533.840 | 7.658 | 534.040 | 7.888 |
| 534.360 | 7.948 | 538.110 | 7.998 | 541.710 | 7.948 | 542.190 | 7.748 |
| 545.100 | 6.308 | 546.690 | 6.168 | 546.850 | 5.608 | 546.850 | 5.608 |
| 550.090 | 5.528 | 550.520 | 5.528 | 551.220 | 5.288 | 554.430 | 3.748 |
| 554.890 | 3.690 | 555.020 | 3.393 | 555.020 | 3.393 | 558.360 | 3.323 |
| 558.460 | 3.273 | 558.460 | 3.273 | 559.150 | 3.243 | 559.150 | 3.043 |
| 559.460 | 3.043 | 559.460 | 2.853 | 559.750 | 2.853 | 559.750 | 2.663 |
| 560.070 | 2.663 | 560.070 | 2.463 | 560.240 | 2.463 | 560.240 | 2.461 |
| 560.240 | 2.463 | 560.310 | 2.463 | 560.310 | 2.263 | 560.610 | 2.263 |
| 560.610 | 2.063 | 560.930 | 2.063 | 560.930 | 1.883 | 561.210 | 1.883 |
| 567.090 | 1.773 | 572.150 | 1.733 | 578.730 | 1.773 | 578.730 | 1.773 |
| 579.360 | 1.743 | 579.360 | 1.743 | 585.500 | 1.583 | 586.660 | 1.773 |
| 592.340 | 1.793 | 593.090 | 1.793 | 593.090 | 1.793 | 598.910 | 1.683 |
| 598.910 | 1.683 | 599.270 | 0.265 | 600.030 | 0.255 | 600.140 | 0.255 |
| 600.140 | 0.155 | 600.190 | 0.155 | 600.190 | -0.215 | 600.490 | -0.215 |
| 600.490 | 0.155 | 600.540 | 0.155 | 600.540 | 0.255 | 600.640 | 0.255 |
| 600.640 | 0.255 | 600.790 | 0.265 | 600.790 | 0.266 | 602.710 | 0.285 |
| 605.410 | 0.215 | 605.890 | 0.275 | 606.180 | 0.215 | 606.890 | -0.295 |
| 607.210 | -0.295 | 607.690 | -1.085 | 608.190 | -2.045 | 610.370 | -2.045 |
| 610.870 | -1.085 | 610.870 | -1.085 | | | | |
| 14.4km | 0.000 | | | | 209 | 18 104 | 7 157 |
| 0.000 | 7.492 | 0.000 | 7.186 | 0.000 | 7.186 | 0.780 | 7.506 |
| 1.030 | 7.796 | 3.380 | 7.856 | 6.160 | 7.816 | 11.600 | 5.006 |
| 14.000 | 4.234 | 17.300 | 2.927 | 20.800 | 2.817 | 23.000 | 2.477 |
| 24.010 | 2.387 | 24.010 | 2.387 | 24.010 | 2.402 | 24.010 | 2.379 |
| 24.010 | 2.379 | 24.100 | 2.379 | 28.010 | 0.459 | 28.010 | 0.455 |
| 29.010 | 0.335 | 34.000 | -0.145 | 39.000 | -0.995 | 44.000 | -0.965 |
| 48.990 | -0.924 | 49.890 | -0.944 | 53.990 | -0.894 | 57.090 | -0.954 |
| 58.990 | -0.694 | 62.080 | -0.744 | 63.980 | -0.624 | 65.080 | -0.644 |
| 68.980 | -0.624 | 73.980 | -0.693 | 78.970 | -0.743 | 83.970 | -0.743 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 88.960 | -0.743 | 93.960 | -0.823 | 98.960 | -0.883 | 103.950 | -0.992 |
| 108.950 | -1.122 | 113.950 | -1.422 | 118.940 | -1.642 | 123.940 | -1.692 |
| 128.940 | -1.621 | 133.930 | -1.821 | 138.930 | -1.921 | 143.930 | -1.941 |
| 148.920 | -2.041 | 153.920 | -2.191 | 158.920 | -2.590 | 163.910 | -2.590 |
| 168.910 | -2.560 | 173.910 | -2.620 | 178.900 | -2.820 | 183.900 | -2.789 |
| 188.900 | -2.789 | 193.890 | -2.749 | 198.890 | -2.929 | 203.890 | -3.039 |
| 208.880 | -2.898 | 213.880 | -2.988 | 218.870 | -2.968 | 223.870 | -2.978 |
| 228.870 | -2.738 | 233.860 | -2.838 | 238.860 | -2.867 | 243.860 | -2.887 |
| 248.850 | -2.917 | 253.850 | -2.847 | 258.850 | -2.887 | 263.840 | -2.846 |
| 268.840 | -2.726 | 273.840 | -2.786 | 278.830 | -2.726 | 283.830 | -2.726 |
| 288.830 | -2.866 | 293.820 | -2.825 | 298.820 | -2.885 | 303.820 | -3.015 |
| 308.810 | -3.065 | 313.810 | -3.185 | 318.800 | -3.384 | 323.800 | -2.754 |
| 328.800 | -2.774 | 333.790 | -2.754 | 338.790 | -2.884 | 343.790 | -2.833 |
| 348.780 | -2.773 | 353.780 | -2.813 | 358.780 | -2.783 | 363.770 | -2.933 |
| 368.770 | -2.843 | 373.770 | -2.882 | 378.760 | -2.792 | 383.760 | -2.752 |
| 388.760 | -2.582 | 393.750 | -2.572 | 398.750 | -2.511 | 403.750 | -2.261 |
| 408.740 | -1.491 | 411.540 | -0.361 | 412.440 | 0.469 | 413.340 | 0.726 |
| 413.340 | 0.785 | 413.340 | 0.696 | 414.020 | 0.846 | 419.800 | 0.796 |
| 424.210 | 1.276 | 428.200 | 0.966 | 435.570 | 1.576 | 438.770 | 1.366 |
| 441.590 | 1.346 | 444.400 | 0.916 | 451.870 | 1.196 | 466.890 | 1.476 |
| 473.090 | 1.656 | 480.500 | 1.786 | 488.630 | 1.926 | 500.270 | 1.366 |
| 503.330 | 0.726 | 504.950 | 0.036 | 505.760 | -0.234 | 506.720 | -0.384 |
| 510.200 | -0.584 | 510.200 | -0.584 | 510.200 | -0.234 | 510.200 | 0.366 |
| 509.920 | 0.366 | 509.920 | 1.056 | 510.610 | 1.056 | 510.610 | 1.056 |
| 512.790 | 1.166 | 515.300 | 2.376 | 516.500 | 2.436 | 516.610 | 2.589 |
| 516.610 | 2.456 | 527.700 | 2.526 | 539.840 | 2.556 | 549.500 | 2.576 |
| 554.890 | 2.636 | 563.900 | 2.666 | 573.960 | 2.706 | 584.930 | 2.726 |
| 594.710 | 2.796 | 595.710 | 3.326 | 596.720 | 3.393 | 601.700 | 3.883 |
| 603.000 | 4.143 | 606.250 | 5.763 | 608.580 | 6.883 | 609.500 | 7.343 |
| 609.500 | 7.343 | 609.500 | 7.686 | 609.500 | 7.344 | 609.500 | 7.344 |
| 610.400 | 7.804 | 610.740 | 7.994 | 611.130 | 8.024 | 614.970 | 8.074 |
| 618.790 | 8.044 | 618.790 | 8.044 | 618.990 | 8.034 | 619.650 | 7.814 |
| 622.650 | 6.334 | 624.240 | 6.224 | 624.370 | 5.674 | 624.370 | 5.674 |
| 627.680 | 5.624 | 628.210 | 5.614 | 634.780 | 2.599 | 638.310 | 2.339 |
| 641.510 | 1.249 | 642.330 | 1.149 | 642.420 | 0.839 | 642.420 | 0.839 |
| 647.910 | 0.639 | 647.910 | 0.640 | 648.820 | -0.851 | 648.820 | -0.851 |
| 648.920 | -0.851 | 648.920 | -0.911 | 649.280 | -0.911 | 649.280 | -0.451 |
| 649.400 | -0.451 | 649.400 | -0.451 | 649.400 | -0.451 | 649.400 | -0.390 |
| 649.810 | -0.421 | 650.900 | 0.149 | 658.450 | 0.199 | 665.080 | 0.229 |
| 672.790 | 0.239 | 676.350 | 0.249 | 676.350 | 0.249 | 676.650 | 0.249 |
| 676.650 | -0.331 | 677.100 | -0.321 | 677.100 | -0.321 | 677.710 | -1.281 |
| 678.310 | -2.311 | 678.310 | -2.361 | 680.500 | -2.361 | 680.500 | -2.361 |
| 681.100 | -1.281 | 681.710 | -0.311 | 682.650 | -0.311 | 683.300 | -0.631 |
| 684.500 | -0.631 | | | | | | |
| 14.6km | 0.000 | | | | 223 | 12.120 | 7.173 |
| 0.000 | 7.553 | 0.000 | 7.276 | 0.000 | 7.276 | 1.110 | 7.746 |
| 1.320 | 8.006 | 3.800 | 8.006 | 6.320 | 7.946 | 10.000 | 5.856 |
| 12.670 | 4.858 | 17.420 | 2.936 | 21.630 | 2.676 | 23.290 | 2.396 |
| 24.280 | 2.306 | 24.280 | 2.306 | 24.280 | 2.320 | 24.280 | 2.309 |
| 24.280 | 2.309 | 24.360 | 2.309 | 28.180 | 0.449 | 28.880 | 0.419 |
| 31.280 | 0.139 | 32.180 | -0.161 | 34.280 | -0.341 | 34.780 | -0.491 |
| 36.980 | -0.721 | 39.280 | -0.671 | 40.830 | -0.491 | 44.290 | -0.411 |
| 49.290 | -0.451 | 54.290 | -0.481 | 56.790 | -0.483 | 59.290 | -0.633 |
| 61.690 | -0.823 | 64.290 | -1.043 | 64.890 | -1.063 | 69.290 | -0.923 |
| 74.290 | -1.143 | 78.690 | -1.184 | 79.300 | -1.184 | 80.100 | -1.284 |
| 84.300 | -2.134 | 89.300 | -2.164 | 94.300 | -2.134 | 99.300 | -2.194 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 104.300 | -2.194 | 109.300 | -2.264 | 114.300 | -2.305 | 119.310 | -2.405 |
| 124.310 | -2.375 | 129.310 | -2.365 | 134.310 | -2.375 | 139.310 | -2.455 |
| 144.310 | -2.535 | 149.310 | -2.536 | 154.320 | -2.596 | 159.320 | -2.526 |
| 164.320 | -2.656 | 169.320 | -2.646 | 174.320 | -2.766 | 179.320 | -2.636 |
| 184.320 | -2.677 | 189.330 | -2.687 | 194.330 | -2.697 | 199.330 | -2.747 |
| 204.330 | -2.677 | 209.330 | -2.657 | 214.330 | -2.577 | 219.330 | -2.477 |
| 224.330 | -1.788 | 229.340 | -1.438 | 234.340 | -1.268 | 239.340 | -1.378 |
| 244.340 | -1.388 | 249.340 | -1.468 | 254.340 | -1.318 | 259.340 | -1.329 |
| 264.350 | -1.409 | 269.350 | -1.329 | 274.350 | -1.209 | 279.350 | -1.109 |
| 284.350 | -1.179 | 289.350 | -1.209 | 294.350 | -1.150 | 299.350 | -1.170 |
| 304.360 | -1.190 | 309.360 | -1.250 | 314.360 | -1.170 | 319.360 | -1.170 |
| 324.360 | -1.170 | 329.360 | -1.230 | 334.360 | -1.231 | 339.370 | -1.441 |
| 344.370 | -1.191 | 349.370 | -1.281 | 354.370 | -1.141 | 359.370 | -1.161 |
| 364.370 | -1.301 | 369.370 | -1.242 | 374.380 | -1.362 | 379.380 | -1.512 |
| 384.380 | -1.572 | 389.380 | -1.742 | 394.380 | -2.092 | 399.380 | -2.602 |
| 404.380 | -3.043 | 409.390 | -3.143 | 414.390 | -3.583 | 419.390 | -3.753 |
| 424.390 | -3.973 | 429.390 | -3.913 | 434.390 | -3.843 | 439.390 | -3.494 |
| 444.390 | -3.594 | 449.400 | -3.674 | 454.400 | -1.594 | 457.130 | -0.494 |
| 459.400 | -0.117 | 459.600 | -0.077 | 460.400 | 0.993 | 461.400 | 1.143 |
| 461.400 | 1.256 | 461.400 | 1.148 | 466.980 | 1.098 | 472.640 | 1.068 |
| 482.880 | 1.088 | 493.000 | 1.148 | 503.440 | 1.288 | 513.440 | 1.267 |
| 520.060 | 1.290 | 529.520 | 1.190 | 531.730 | 0.950 | 538.390 | 0.600 |
| 539.420 | 0.230 | 539.710 | -0.120 | 540.400 | -0.480 | 544.760 | -0.450 |
| 544.760 | -0.450 | 544.760 | -0.120 | 544.760 | 0.380 | 544.480 | 0.380 |
| 544.480 | 1.100 | 547.360 | 1.200 | 548.080 | 1.560 | 552.340 | 2.390 |
| 557.530 | 2.490 | 557.640 | 2.592 | 557.640 | 2.509 | 563.440 | 2.519 |
| 574.510 | 2.579 | 583.530 | 2.579 | 594.070 | 2.629 | 603.890 | 2.669 |
| 613.440 | 2.759 | 622.240 | 2.799 | 631.740 | 2.869 | 641.580 | 2.899 |
| 650.570 | 2.939 | 660.120 | 2.939 | 660.390 | 3.149 | 660.390 | 3.148 |
| 660.930 | 3.198 | 661.570 | 3.358 | 666.080 | 3.748 | 670.260 | 5.668 |
| 672.520 | 6.878 | 673.440 | 7.348 | 673.440 | 7.348 | 673.440 | 7.626 |
| 673.440 | 7.346 | 673.440 | 7.346 | 674.320 | 7.756 | 674.530 | 7.956 |
| 674.850 | 8.016 | 678.560 | 8.076 | 684.980 | 7.986 | 684.980 | 7.990 |
| 685.140 | 7.986 | 685.890 | 7.786 | 688.740 | 6.346 | 690.470 | 6.236 |
| 690.680 | 5.696 | 690.680 | 5.696 | 694.190 | 5.606 | 694.720 | 5.606 |
| 701.470 | 2.567 | 705.800 | 2.357 | 708.690 | 1.267 | 709.300 | 1.197 |
| 709.440 | 0.907 | 709.440 | 0.907 | 713.490 | 0.807 | 713.490 | 0.807 |
| 713.490 | 0.347 | 713.950 | 0.347 | 713.950 | 0.797 | 714.110 | 0.727 |
| 714.110 | 0.866 | 714.110 | 0.727 | 714.540 | 0.737 | 714.910 | 0.597 |
| 716.540 | 0.657 | 717.840 | 1.247 | 720.530 | 1.067 | 721.720 | 0.687 |
| 722.900 | 0.127 | 723.340 | 0.147 | 727.660 | 0.197 | 728.470 | 0.207 |
| 729.470 | -0.313 | 729.880 | -0.298 | 730.770 | -1.499 | 731.210 | -2.319 |
| 731.210 | -2.319 | 733.350 | -2.309 | 733.350 | -2.309 | 733.710 | -1.499 |
| 734.430 | -0.299 | 734.430 | -0.299 | 734.980 | -0.299 | 735.350 | -0.299 |
| 735.940 | -0.699 | 741.860 | -0.709 | 748.440 | -0.699 | | |
| 14.8km | 0.000 | | | | 238 | 12 126 | 7 174 |
| 0.000 | 7.606 | 0.000 | 7.318 | 0.000 | 7.318 | 0.990 | 7.698 |
| 1.350 | 7.988 | 3.470 | 7.978 | 6.270 | 7.918 | 9.500 | 6.018 |
| 11.460 | 5.124 | 15.130 | 3.186 | 16.900 | 2.846 | 23.000 | 2.466 |
| 23.000 | 2.625 | 23.000 | 2.513 | 23.450 | 2.433 | 24.550 | 2.323 |
| 28.590 | 0.353 | 31.780 | 0.053 | 32.600 | -0.107 | 33.000 | -0.257 |
| 33.100 | -0.337 | 38.000 | -0.167 | 43.000 | -0.057 | 48.010 | 0.073 |
| 53.010 | 0.154 | 58.010 | 0.274 | 62.010 | 0.064 | 63.010 | 0.014 |
| 65.310 | -0.226 | 66.900 | -0.457 | 68.010 | -0.527 | 73.010 | -1.157 |
| 78.010 | -1.956 | 83.010 | -2.176 | 88.010 | -2.256 | 93.020 | -2.225 |
| 98.020 | -2.115 | 103.020 | -2.035 | 108.020 | -1.904 | 113.020 | -1.854 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 118.020 | -1.854 | 123.020 | -1.853 | 128.020 | -1.913 | 133.030 | -1.953 |
| 138.030 | -1.852 | 143.030 | -1.972 | 148.030 | -1.972 | 153.030 | -1.951 |
| 158.030 | -1.861 | 163.030 | -1.831 | 168.030 | -1.710 | 173.030 | -1.800 |
| 178.040 | -1.580 | 183.040 | -1.569 | 188.040 | -1.529 | 193.040 | -1.248 |
| 198.040 | -1.268 | 203.040 | -1.288 | 208.040 | -1.277 | 213.040 | -1.237 |
| 218.040 | -1.347 | 223.050 | -1.336 | 228.050 | -1.366 | 233.050 | -1.326 |
| 238.050 | -1.315 | 243.050 | -1.265 | 248.050 | -1.305 | 253.050 | -1.244 |
| 258.050 | -1.334 | 263.050 | -1.244 | 268.060 | -1.223 | 273.060 | -1.183 |
| 278.060 | -1.123 | 283.060 | -1.162 | 288.060 | -1.162 | 293.060 | -1.122 |
| 298.060 | -1.141 | 303.060 | -1.141 | 308.060 | -1.141 | 313.070 | -1.220 |
| 318.070 | -1.240 | 323.070 | -1.299 | 328.070 | -1.319 | 333.070 | -1.289 |
| 338.070 | -1.298 | 343.070 | -1.428 | 348.070 | -1.308 | 353.070 | -1.257 |
| 358.080 | -1.287 | 363.080 | -1.357 | 368.080 | -1.386 | 373.080 | -1.386 |
| 378.080 | -1.486 | 383.080 | -1.565 | 388.080 | -1.465 | 393.080 | -1.495 |
| 398.090 | -1.604 | 403.090 | -1.634 | 408.090 | -1.594 | 413.090 | -1.573 |
| 418.090 | -1.613 | 423.090 | -1.623 | 428.090 | -1.662 | 433.090 | -1.662 |
| 438.090 | -1.632 | 443.100 | -1.571 | 448.100 | -1.521 | 453.100 | -1.691 |
| 458.100 | -2.030 | 463.100 | -2.930 | 468.100 | -3.149 | 473.100 | -3.129 |
| 478.100 | -3.029 | 483.100 | -2.998 | 488.110 | -2.918 | 493.110 | -2.858 |
| 498.110 | -2.827 | 503.110 | -0.977 | 503.710 | -0.427 | 503.910 | -0.242 |
| 504.610 | -0.032 | 504.810 | 0.978 | 505.110 | 1.108 | 505.110 | 1.282 |
| 505.110 | 1.111 | 505.750 | 1.221 | 512.510 | 1.041 | 519.620 | 0.901 |
| 521.300 | 1.561 | 525.330 | 1.751 | 533.370 | 1.651 | 540.950 | 1.161 |
| 547.260 | 0.671 | 548.760 | 0.591 | 551.130 | 0.471 | 553.290 | -0.059 |
| 556.400 | -0.509 | 556.400 | -0.509 | 556.400 | 0.431 | 556.120 | 0.431 |
| 556.120 | 0.661 | 556.120 | 1.061 | 556.840 | 1.061 | 556.840 | 1.061 |
| 558.940 | 1.141 | 561.410 | 2.381 | 562.640 | 2.451 | 563.020 | 2.641 |
| 563.020 | 2.471 | 566.820 | 2.471 | 574.070 | 2.491 | 577.180 | 2.491 |
| 588.670 | 2.521 | 599.070 | 2.591 | 609.220 | 2.631 | 616.820 | 2.671 |
| 628.500 | 2.751 | 637.620 | 2.801 | 647.000 | 2.841 | 656.170 | 2.901 |
| 663.310 | 2.931 | 663.820 | 3.205 | 664.680 | 3.267 | 669.620 | 3.887 |
| 673.660 | 5.787 | 675.890 | 6.917 | 676.820 | 7.367 | 676.820 | 7.367 |
| 676.820 | 7.699 | 676.820 | 7.371 | 676.820 | 7.371 | 677.680 | 7.781 |
| 677.850 | 7.931 | 678.240 | 8.081 | 681.990 | 8.151 | 685.410 | 8.111 |
| 685.410 | 8.111 | 685.550 | 8.101 | 685.660 | 8.111 | 690.750 | 5.581 |
| 694.590 | 5.421 | 699.730 | 2.992 | 700.410 | 2.882 | 700.520 | 2.622 |
| 700.520 | 2.622 | 705.040 | 2.592 | 708.890 | 2.502 | 711.720 | 1.342 |
| 712.420 | 1.242 | 712.530 | 0.942 | 712.530 | 0.942 | 716.540 | 0.802 |
| 716.540 | 0.802 | 716.540 | 0.362 | 716.990 | 0.362 | 716.990 | 0.802 |
| 717.200 | 0.802 | 717.200 | 0.826 | 717.200 | 0.802 | 717.310 | 0.832 |
| 717.400 | 1.402 | 718.090 | 1.432 | 724.900 | 1.442 | 724.900 | 1.502 |
| 726.380 | 1.562 | 726.380 | 1.562 | 741.510 | 1.542 | 741.510 | 1.542 |
| 742.100 | 1.542 | 742.760 | 1.442 | 743.590 | 1.392 | 743.590 | 1.392 |
| 743.590 | 1.392 | 743.880 | 0.262 | 744.260 | 0.262 | 744.360 | 0.262 |
| 744.360 | 0.162 | 744.410 | 0.162 | 744.410 | -0.088 | 744.660 | -0.088 |
| 744.660 | 0.162 | 744.710 | 0.162 | 744.710 | 0.262 | 744.800 | 0.262 |
| 744.800 | 0.262 | 748.780 | 0.282 | 748.780 | 0.286 | 749.000 | 0.282 |
| 749.450 | 0.282 | 749.840 | 0.272 | 750.800 | -0.288 | 751.250 | -0.278 |
| 751.250 | -0.278 | 751.920 | -1.388 | 752.480 | -2.318 | 752.480 | -2.318 |
| 752.480 | -1.388 | 752.480 | -1.388 | | | | |
| 15.0km | 0.000 | | | | 221 | 23 144 | 7 167 |
| 0.000 | 7.519 | 0.000 | 7.222 | 0.000 | 7.222 | 0.750 | 7.542 |
| 1.530 | 8.052 | 3.840 | 8.052 | 6.450 | 7.992 | 10.000 | 6.125 |
| 16.600 | 3.285 | 21.760 | 2.777 | 23.250 | 2.577 | 24.400 | 2.457 |
| 28.510 | 0.497 | 33.730 | 0.167 | 35.150 | 0.607 | 39.920 | 0.287 |
| 40.600 | -0.353 | 48.030 | -0.153 | 56.540 | 0.127 | 59.230 | 0.287 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 67.500 | 0.767 | 74.420 | 0.877 | 78.520 | 1.167 | 78.520 | 1.278 |
| 78.520 | 1.157 | 80.520 | 0.917 | 81.720 | 0.447 | 83.520 | 0.007 |
| 84.970 | -0.426 | 88.510 | -0.985 | 93.510 | -1.415 | 98.510 | -1.344 |
| 103.500 | -1.343 | 108.500 | -1.503 | 113.500 | -1.542 | 118.500 | -1.651 |
| 123.490 | -1.801 | 128.490 | -1.910 | 133.490 | -1.980 | 138.480 | -2.069 |
| 143.480 | -2.118 | 148.480 | -2.218 | 153.470 | -2.217 | 158.470 | -2.096 |
| 163.470 | -2.026 | 168.470 | -1.875 | 173.460 | -1.634 | 178.460 | -1.494 |
| 183.460 | -1.433 | 188.450 | -1.413 | 193.450 | -1.322 | 198.450 | -1.311 |
| 203.440 | -1.271 | 208.440 | -1.410 | 213.440 | -1.369 | 218.440 | -1.409 |
| 223.430 | -1.408 | 228.430 | -1.337 | 233.430 | -1.377 | 238.420 | -1.366 |
| 243.420 | -1.386 | 248.420 | -1.365 | 253.410 | -1.344 | 258.410 | -1.324 |
| 263.410 | -1.323 | 268.410 | -1.382 | 273.400 | -1.402 | 278.400 | -1.381 |
| 283.400 | -1.400 | 288.390 | -1.400 | 293.390 | -1.419 | 298.390 | -1.419 |
| 303.380 | -1.478 | 308.380 | -1.417 | 313.380 | -1.397 | 318.380 | -1.406 |
| 323.370 | -1.425 | 328.370 | -1.445 | 333.370 | -1.444 | 338.360 | -1.484 |
| 343.360 | -1.443 | 348.360 | -1.692 | 353.350 | -1.672 | 358.350 | -1.571 |
| 363.350 | -1.650 | 368.340 | -1.660 | 373.340 | -1.639 | 378.340 | -1.688 |
| 383.340 | -1.688 | 388.330 | -1.867 | 393.330 | -1.707 | 398.330 | -1.786 |
| 403.320 | -1.845 | 408.320 | -1.775 | 413.320 | -1.764 | 418.310 | -1.863 |
| 423.310 | -1.833 | 428.310 | -1.832 | 433.310 | -1.781 | 438.300 | -1.711 |
| 443.300 | -1.730 | 448.300 | -1.780 | 453.290 | -1.839 | 458.290 | -1.768 |
| 463.290 | -1.758 | 468.280 | -1.717 | 473.280 | -1.746 | 478.280 | -1.726 |
| 483.280 | -1.625 | 488.270 | -1.625 | 493.270 | -1.554 | 498.270 | -1.573 |
| 503.260 | -1.953 | 508.260 | -2.222 | 513.260 | -2.371 | 518.250 | -2.471 |
| 523.250 | -2.550 | 528.250 | -2.949 | 533.250 | -1.069 | 536.440 | -0.368 |
| 538.240 | 0.165 | 541.040 | 0.485 | 541.990 | 1.065 | 544.040 | 1.255 |
| 544.040 | 1.450 | 544.040 | 1.214 | 547.580 | 1.314 | 550.120 | 1.174 |
| 552.180 | 1.114 | 553.420 | 0.764 | 555.920 | 0.494 | 556.470 | 0.414 |
| 559.200 | 0.214 | 559.200 | 0.214 | 559.200 | 0.364 | 558.920 | 0.364 |
| 558.920 | 0.774 | 558.920 | 1.044 | 559.600 | 1.044 | 559.600 | 1.044 |
| 562.110 | 1.154 | 564.600 | 2.404 | 565.820 | 2.454 | 566.020 | 2.591 |
| 566.020 | 2.452 | 570.570 | 2.512 | 581.620 | 2.502 | 592.370 | 2.542 |
| 601.020 | 2.602 | 606.420 | 2.632 | 616.130 | 2.652 | 625.980 | 2.692 |
| 636.500 | 2.762 | 646.570 | 2.822 | 647.400 | 3.296 | 647.400 | 3.296 |
| 648.250 | 3.346 | 648.770 | 3.456 | 654.040 | 3.946 | 657.880 | 5.836 |
| 660.200 | 7.006 | 661.020 | 7.466 | 661.020 | 7.466 | 661.020 | 7.807 |
| 661.020 | 7.467 | 661.020 | 7.467 | 661.870 | 7.847 | 662.020 | 7.997 |
| 662.200 | 8.137 | 665.850 | 8.197 | 669.410 | 8.167 | 669.410 | 8.166 |
| 669.520 | 8.157 | 670.370 | 7.887 | 674.850 | 5.697 | 679.040 | 5.417 |
| 681.720 | 4.267 | 682.020 | 3.727 | 682.020 | 3.727 | 685.020 | 3.617 |
| 685.020 | 3.617 | 685.680 | 3.608 | 687.090 | 2.725 | 687.090 | 1.975 |
| 687.090 | 1.975 | 687.090 | 2.101 | 687.090 | 1.975 | 691.570 | 1.835 |
| 694.220 | 1.935 | 699.240 | 1.875 | 709.120 | 1.925 | 710.900 | 2.015 |
| 716.100 | 1.825 | 716.390 | 0.299 | 716.390 | 0.299 | 716.700 | 0.269 |
| 716.700 | 0.169 | 716.740 | 0.169 | 716.740 | -0.191 | 717.020 | -0.191 |
| 717.020 | 0.169 | 717.070 | 0.169 | 717.070 | 0.269 | 717.170 | 0.269 |
| 717.170 | 0.269 | 721.670 | 0.289 | 722.250 | 0.309 | 722.460 | 0.309 |
| 723.300 | -0.291 | 723.820 | -0.281 | 723.820 | -0.281 | 724.420 | -1.301 |
| 725.020 | -2.291 | 725.020 | -2.291 | 727.190 | -2.301 | 727.190 | -2.301 |
| 727.790 | -1.301 | 728.390 | -0.271 | 728.390 | -0.271 | 728.840 | -0.281 |
| 736.320 | -0.331 | | | | | | |
| 15.2km | 0.000 | | | | 239 | 35 151 | 7 176 |
| 0.000 | 7.705 | 0.000 | 7.383 | 0.000 | 7.383 | 0.840 | 7.723 |
| 1.180 | 7.963 | 3.800 | 7.973 | 6.490 | 7.933 | 10.000 | 6.073 |
| 14.000 | 4.028 | 17.610 | 2.841 | 24.240 | 2.581 | 24.950 | 2.511 |
| 28.060 | 1.061 | 35.030 | 0.546 | 41.450 | -0.354 | 44.050 | -0.774 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 47.610 | -1.134 | 50.580 | -1.814 | 54.720 | -2.024 | 59.600 | -1.284 |
| 64.630 | -0.974 | 68.320 | -1.614 | 69.650 | -0.384 | 71.010 | 0.046 |
| 72.400 | 0.466 | 79.340 | 0.676 | 86.690 | 0.706 | 96.370 | 0.756 |
| 106.090 | 0.706 | 115.330 | 0.746 | 122.670 | 0.896 | 129.420 | 1.106 |
| 129.420 | 1.206 | 129.420 | 1.113 | 131.570 | 1.053 | 131.820 | 0.483 |
| 134.420 | 0.173 | 138.110 | -0.338 | 139.410 | -0.458 | 144.410 | -1.227 |
| 149.410 | -1.597 | 154.400 | -1.856 | 159.400 | -1.896 | 164.400 | -2.115 |
| 169.390 | -1.944 | 174.390 | -1.754 | 179.390 | -1.863 | 184.380 | -1.713 |
| 189.380 | -1.552 | 194.380 | -1.432 | 199.370 | -1.421 | 204.370 | -1.390 |
| 209.370 | -1.380 | 214.360 | -1.389 | 219.360 | -1.429 | 224.360 | -1.548 |
| 229.350 | -1.618 | 234.350 | -1.577 | 239.350 | -1.506 | 244.340 | -1.556 |
| 249.340 | -1.655 | 254.340 | -1.565 | 259.330 | -1.664 | 264.330 | -1.594 |
| 269.320 | -1.623 | 274.320 | -1.572 | 279.320 | -1.672 | 284.310 | -1.771 |
| 289.310 | -1.621 | 294.310 | -1.750 | 299.300 | -1.700 | 304.300 | -1.819 |
| 309.300 | -1.718 | 314.290 | -1.738 | 319.290 | -1.817 | 324.290 | -2.017 |
| 329.280 | -1.916 | 334.280 | -1.916 | 339.280 | -1.915 | 344.270 | -1.954 |
| 349.270 | -1.914 | 354.270 | -1.913 | 359.260 | -1.943 | 364.260 | -1.862 |
| 369.260 | -1.921 | 374.250 | -1.761 | 379.250 | -1.960 | 384.250 | -2.030 |
| 389.240 | -1.989 | 394.240 | -2.029 | 399.240 | -2.108 | 404.230 | -2.047 |
| 409.230 | -2.107 | 414.230 | -2.006 | 419.220 | -1.956 | 424.220 | -1.855 |
| 429.220 | -1.955 | 434.210 | -1.854 | 439.210 | -1.823 | 444.210 | -1.803 |
| 449.200 | -1.782 | 454.200 | -1.722 | 459.200 | -1.771 | 464.190 | -1.721 |
| 469.190 | -1.680 | 474.190 | -1.549 | 479.180 | -1.449 | 484.180 | -1.428 |
| 489.180 | -1.408 | 494.170 | -1.317 | 499.170 | -1.277 | 504.170 | -1.226 |
| 509.160 | -1.175 | 514.160 | -1.145 | 519.160 | -1.184 | 524.150 | -1.144 |
| 529.150 | -1.133 | 534.150 | -1.153 | 539.140 | -1.272 | 544.140 | -1.421 |
| 549.140 | -1.631 | 554.130 | -1.850 | 559.130 | -1.820 | 560.330 | -1.590 |
| 562.830 | -0.689 | 564.120 | -0.489 | 565.420 | -0.339 | 565.420 | -0.289 |
| 565.420 | 0.400 | 564.870 | 0.400 | 564.870 | 0.910 | 565.570 | 0.900 |
| 565.570 | 0.900 | 567.320 | 0.970 | 567.320 | 0.970 | 568.120 | 0.970 |
| 568.120 | 1.150 | 568.510 | 1.150 | 568.510 | 1.340 | 568.900 | 1.340 |
| 568.900 | 1.530 | 569.290 | 1.530 | 569.290 | 1.720 | 569.590 | 1.720 |
| 569.590 | 1.900 | 570.140 | 1.900 | 570.140 | 2.140 | 570.680 | 2.140 |
| 570.680 | 2.440 | 571.890 | 2.470 | 572.120 | 2.480 | 572.120 | 2.636 |
| 572.120 | 2.471 | 581.920 | 2.521 | 587.900 | 2.531 | 599.680 | 2.571 |
| 609.650 | 2.621 | 619.820 | 2.681 | 629.700 | 2.741 | 638.500 | 2.801 |
| 640.490 | 3.211 | 646.070 | 3.320 | 650.100 | 3.686 | 650.100 | 3.686 |
| 650.100 | 3.826 | 650.490 | 3.826 | 650.490 | 3.826 | 654.760 | 5.866 |
| 657.180 | 7.086 | 657.900 | 7.446 | 657.900 | 7.446 | 657.900 | 7.752 |
| 657.900 | 7.450 | 657.900 | 7.450 | 658.780 | 7.870 | 659.280 | 8.150 |
| 662.950 | 8.200 | 666.510 | 8.160 | 666.510 | 8.159 | 666.600 | 8.200 |
| 667.210 | 7.910 | 671.950 | 5.620 | 675.900 | 5.453 | 679.900 | 3.484 |
| 680.400 | 3.434 | 680.580 | 3.144 | 680.580 | 3.144 | 684.400 | 3.044 |
| 684.590 | 3.018 | 688.280 | 1.146 | 691.010 | 0.946 | 691.520 | 0.926 |
| 691.520 | 0.926 | 692.000 | -0.044 | 692.000 | -0.044 | 692.100 | -0.044 |
| 692.100 | -0.264 | 692.470 | -0.264 | 692.470 | 0.176 | 692.600 | 0.176 |
| 692.600 | 0.066 | 692.690 | 0.066 | 692.690 | 0.161 | 692.690 | 0.066 |
| 698.290 | 0.136 | 704.170 | 0.036 | 705.010 | -0.064 | 718.680 | -0.044 |
| 719.190 | 0.086 | 720.200 | 0.156 | 720.310 | 0.156 | 720.310 | 0.056 |
| 720.360 | 0.056 | 720.360 | -0.294 | 720.650 | -0.294 | 720.650 | -0.184 |
| 720.650 | 0.056 | 720.700 | 0.056 | 720.700 | 0.156 | 720.800 | 0.156 |
| 720.800 | 0.156 | 724.940 | 0.212 | 725.500 | 0.242 | 725.830 | 0.222 |
| 726.630 | -0.308 | 726.810 | -0.298 | 726.810 | -0.298 | 727.640 | -1.228 |
| 728.010 | -2.288 | 728.010 | -2.288 | 730.010 | -2.288 | 730.010 | -2.288 |
| 730.650 | -1.228 | 731.210 | -0.308 | 731.210 | -0.308 | 731.760 | -0.318 |
| 732.220 | -0.268 | 732.570 | -0.638 | 732.900 | -0.638 | | |

S59横断データ (-0.6~56.2). dat

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|---------|--------|---------|--------|---------|--------|---------|-----|--------|-----|
| 15.4km | 0.000 | | | | 204 | 32 | 137 | 7 | 161 |
| 0.000 | 7.713 | 0.000 | 7.430 | 0.000 | 7.430 | 0.690 | | 7.730 | |
| 1.010 | 8.050 | 3.520 | 8.110 | 6.360 | 8.050 | 10.000 | | 6.060 | |
| 15.690 | 3.305 | 19.170 | 2.650 | 23.950 | 2.330 | 24.790 | | 2.200 | |
| 27.980 | 0.733 | 28.880 | 0.551 | 30.770 | -0.249 | 31.510 | | -0.439 | |
| 36.060 | -0.509 | 40.300 | -0.579 | 44.880 | -0.489 | 48.540 | | -0.509 | |
| 49.810 | -0.249 | 50.980 | 0.311 | 55.320 | 0.471 | 60.120 | | 0.581 | |
| 64.940 | 0.621 | 70.060 | 0.701 | 74.960 | 0.771 | 84.610 | | 0.761 | |
| 88.520 | 1.351 | 96.160 | 1.451 | 104.370 | 1.631 | 110.800 | | 1.581 | |
| 110.800 | 1.685 | 110.800 | 1.594 | 112.100 | 1.624 | 112.910 | | 0.534 | |
| 113.190 | 0.475 | 115.800 | 0.075 | 120.800 | -0.625 | 125.790 | | -1.375 | |
| 130.790 | -1.495 | 135.790 | -1.524 | 140.790 | -1.334 | 145.790 | | -1.314 | |
| 150.780 | -1.204 | 155.780 | -1.074 | 160.780 | -1.024 | 165.780 | | -1.094 | |
| 170.780 | -1.074 | 175.770 | -1.044 | 180.770 | -1.044 | 185.770 | | -1.083 | |
| 190.770 | -1.223 | 195.770 | -1.243 | 200.760 | -1.363 | 205.760 | | -1.463 | |
| 210.760 | -1.433 | 215.760 | -1.403 | 220.760 | -1.493 | 225.750 | | -1.493 | |
| 230.750 | -1.773 | 235.750 | -1.722 | 240.750 | -1.822 | 245.750 | | -1.852 | |
| 250.740 | -1.832 | 255.740 | -2.042 | 260.740 | -2.322 | 265.740 | | -2.382 | |
| 270.740 | -2.252 | 275.730 | -2.222 | 280.730 | -2.322 | 285.730 | | -2.402 | |
| 290.730 | -2.441 | 295.730 | -2.441 | 300.720 | -2.501 | 305.720 | | -2.571 | |
| 310.720 | -2.521 | 315.720 | -2.611 | 320.720 | -2.771 | 325.710 | | -2.721 | |
| 330.710 | -2.781 | 335.710 | -2.801 | 340.710 | -2.830 | 345.710 | | -2.770 | |
| 350.700 | -2.770 | 355.700 | -2.700 | 360.700 | -2.700 | 365.700 | | -2.600 | |
| 370.690 | -2.560 | 375.690 | -2.490 | 380.690 | -2.390 | 385.690 | | -2.320 | |
| 390.690 | -2.279 | 395.680 | -2.169 | 400.680 | -2.019 | 405.680 | | -2.199 | |
| 410.680 | -1.939 | 415.680 | -1.959 | 420.670 | -1.829 | 425.670 | | -1.699 | |
| 430.670 | -1.709 | 435.670 | -1.669 | 440.670 | -1.578 | 445.660 | | -1.448 | |
| 450.660 | -1.328 | 455.660 | -1.268 | 460.660 | -1.018 | 465.660 | | -0.918 | |
| 470.650 | -0.868 | 475.650 | -0.868 | 480.650 | -0.748 | 485.650 | | -0.758 | |
| 490.650 | -0.747 | 495.640 | -0.717 | 500.640 | -0.837 | 505.640 | | -0.777 | |
| 510.640 | -0.787 | 515.640 | -0.767 | 520.630 | -0.767 | 525.630 | | -0.817 | |
| 530.630 | -0.917 | 535.630 | -0.997 | 540.630 | -1.016 | 545.420 | | -1.186 | |
| 545.620 | -1.196 | 548.720 | -0.666 | 550.310 | -0.516 | 550.310 | | 0.464 | |
| 549.860 | 0.464 | 549.860 | 0.484 | 549.860 | 0.926 | 550.550 | | 0.926 | |
| 550.550 | 0.926 | 552.720 | 0.996 | 555.710 | 2.456 | 556.920 | | 2.496 | |
| 557.220 | 2.496 | 557.220 | 2.623 | 557.220 | 2.498 | 566.920 | | 2.508 | |
| 572.600 | 2.538 | 582.720 | 2.558 | 591.750 | 2.598 | 599.730 | | 2.638 | |
| 608.890 | 2.688 | 617.970 | 2.758 | 626.750 | 2.788 | 627.870 | | 3.371 | |
| 627.870 | 3.371 | 628.860 | 3.461 | 629.390 | 3.601 | 634.000 | | 4.171 | |
| 637.660 | 5.981 | 640.080 | 7.171 | 640.830 | 7.521 | 640.830 | | 7.521 | |
| 640.830 | 7.875 | 640.830 | 7.517 | 640.830 | 7.517 | 641.630 | | 7.917 | |
| 641.860 | 8.177 | 642.170 | 8.217 | 645.820 | 8.277 | 649.360 | | 8.227 | |
| 649.360 | 8.228 | 649.500 | 8.227 | 649.710 | 8.187 | 653.310 | | 6.527 | |
| 653.700 | 6.457 | 653.750 | 6.337 | 653.750 | 6.337 | 656.930 | | 6.347 | |
| 657.210 | 6.347 | 658.330 | 5.737 | 662.540 | 5.497 | 664.920 | | 4.447 | |
| 665.390 | 4.410 | 665.570 | 3.870 | 665.570 | 3.870 | 668.830 | | 3.700 | |
| 668.920 | 3.620 | 668.920 | 3.620 | 668.970 | 3.620 | 668.970 | | 3.170 | |
| 669.420 | 3.170 | 669.420 | 3.620 | 669.550 | 3.610 | 669.550 | | 3.700 | |
| 669.550 | 3.610 | 669.790 | 3.700 | 670.970 | 3.580 | 680.470 | | 3.456 | |
| 681.480 | 3.426 | 682.270 | 3.166 | 682.270 | 3.234 | 685.040 | | 3.266 | |
| 694.830 | 3.246 | 698.060 | 1.776 | 701.560 | 0.926 | 704.540 | | -0.164 | |
| 705.160 | -0.154 | 705.640 | 0.226 | 712.540 | 0.146 | 717.830 | | 0.186 | |
| 15.6km | 0.000 | | | | 196 | 30 | 133 | 7 | 157 |
| 0.000 | 7.443 | 0.000 | 7.132 | 0.000 | 7.132 | 1.250 | | 7.712 | |
| 1.530 | 8.072 | 3.890 | 8.062 | 6.900 | 8.052 | 12.190 | | 5.382 | |
| 14.780 | 5.112 | 16.310 | 4.770 | 19.740 | 3.122 | 21.600 | | 2.622 | |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 24.790 | 2.322 | 30.590 | -0.013 | 31.010 | -0.163 | 31.010 | -0.443 |
| 33.400 | -0.363 | 35.810 | -0.543 | 36.900 | -0.443 | 37.390 | -0.003 |
| 38.110 | 0.277 | 42.780 | 0.537 | 53.100 | 0.447 | 61.580 | 0.847 |
| 66.820 | 0.917 | 70.000 | 0.757 | 74.520 | 0.917 | 82.010 | 1.267 |
| 87.830 | 1.467 | 91.480 | 1.567 | 91.480 | 1.662 | 91.480 | 1.570 |
| 92.380 | 1.850 | 92.880 | 1.820 | 92.980 | 0.610 | 93.840 | 0.473 |
| 96.480 | 0.173 | 101.470 | -0.528 | 106.470 | -1.149 | 111.470 | -1.179 |
| 116.460 | -1.260 | 121.460 | -1.281 | 126.460 | -1.431 | 131.450 | -1.462 |
| 136.450 | -1.693 | 141.440 | -1.584 | 146.440 | -1.594 | 151.440 | -1.635 |
| 156.430 | -1.686 | 161.430 | -1.686 | 166.430 | -1.837 | 171.420 | -1.838 |
| 176.420 | -1.818 | 181.420 | -1.819 | 186.410 | -1.920 | 191.410 | -1.720 |
| 196.410 | -1.751 | 201.400 | -1.842 | 206.400 | -1.922 | 212.390 | -2.143 |
| 216.390 | -2.194 | 221.390 | -2.164 | 226.380 | -2.325 | 231.380 | -2.396 |
| 236.380 | -2.297 | 241.370 | -2.397 | 246.370 | -2.598 | 251.370 | -2.779 |
| 256.360 | -2.849 | 261.360 | -2.870 | 266.360 | -2.971 | 271.350 | -3.081 |
| 276.350 | -3.252 | 281.350 | -3.343 | 286.340 | -3.433 | 291.340 | -3.474 |
| 296.340 | -3.455 | 301.330 | -3.505 | 306.330 | -3.486 | 311.320 | -3.437 |
| 316.320 | -3.307 | 321.320 | -3.198 | 326.310 | -2.909 | 331.310 | -2.840 |
| 336.310 | -2.880 | 341.300 | -2.681 | 346.300 | -2.312 | 351.300 | -2.012 |
| 356.290 | -1.713 | 361.290 | -1.014 | 366.290 | -0.564 | 371.280 | -0.485 |
| 376.280 | -0.356 | 381.280 | -0.286 | 386.270 | -0.287 | 391.270 | -0.208 |
| 396.260 | -0.068 | 401.260 | -0.119 | 406.260 | 0.030 | 411.250 | -0.070 |
| 416.250 | 0.009 | 421.250 | 0.208 | 426.240 | 0.177 | 431.240 | 0.227 |
| 436.240 | 0.246 | 441.230 | 0.285 | 446.230 | 0.245 | 451.230 | 0.244 |
| 456.220 | 0.163 | 461.220 | 0.123 | 466.220 | 0.122 | 471.210 | 0.041 |
| 476.210 | 0.021 | 481.200 | -0.060 | 486.200 | 0.019 | 491.200 | -0.021 |
| 496.190 | -0.142 | 501.190 | -0.023 | 506.190 | -0.034 | 511.180 | -0.134 |
| 516.180 | -0.085 | 521.180 | -0.206 | 524.920 | -0.266 | 524.920 | 0.414 |
| 524.470 | 0.414 | 524.470 | 0.414 | 524.470 | 0.940 | 525.140 | 0.940 |
| 525.140 | 0.940 | 527.360 | 1.040 | 530.250 | 2.460 | 531.470 | 2.510 |
| 531.670 | 2.500 | 531.670 | 2.652 | 531.670 | 2.499 | 541.790 | 2.549 |
| 552.790 | 2.629 | 563.280 | 2.669 | 572.810 | 2.709 | 581.310 | 2.719 |
| 590.400 | 2.709 | 598.960 | 2.749 | 599.910 | 3.278 | 599.910 | 3.280 |
| 600.520 | 3.320 | 601.230 | 3.500 | 606.010 | 4.160 | 609.770 | 5.990 |
| 612.000 | 7.180 | 612.810 | 7.570 | 612.810 | 7.570 | 612.810 | 7.908 |
| 612.810 | 7.566 | 612.810 | 7.566 | 613.660 | 8.016 | 613.960 | 8.176 |
| 614.320 | 8.266 | 618.050 | 8.316 | 621.610 | 8.256 | 621.610 | 8.258 |
| 621.740 | 8.256 | 622.030 | 8.116 | 625.320 | 6.516 | 626.750 | 6.426 |
| 626.880 | 5.876 | 626.880 | 5.876 | 630.150 | 5.816 | 630.580 | 5.796 |
| 634.400 | 3.836 | 634.590 | 3.344 | 634.590 | 3.344 | 637.950 | 3.274 |
| 638.280 | 3.264 | 638.810 | 2.954 | 639.100 | 2.924 | 639.100 | 2.474 |
| 639.550 | 2.474 | 639.550 | 2.924 | 639.610 | 2.924 | 639.610 | 2.824 |
| 639.710 | 2.824 | 639.710 | 2.964 | 639.710 | 2.824 | 645.060 | 2.674 |
| 651.120 | 2.794 | 656.410 | 2.934 | 656.770 | 2.924 | 658.620 | 4.044 |
| 664.490 | 4.284 | 671.480 | 4.574 | 679.890 | 4.754 | 681.900 | 4.634 |
| 682.820 | 5.374 | 684.180 | 5.854 | 686.550 | 5.924 | 687.810 | 6.354 |
| 15.8km | 0.000 | | | | 193 | 21.118 | 7.141 |
| 0.000 | 7.770 | 0.000 | 7.464 | 0.000 | 7.464 | 0.530 | 7.654 |
| 0.850 | 7.924 | 3.120 | 7.944 | 6.160 | 7.944 | 11.130 | 5.334 |
| 18.210 | 5.104 | 21.000 | 3.916 | 24.100 | 2.987 | 30.120 | 2.377 |
| 38.720 | 2.257 | 47.960 | 2.397 | 54.610 | 2.497 | 63.510 | 2.407 |
| 73.810 | 2.367 | 79.620 | 2.407 | 79.620 | 2.497 | 79.620 | 2.406 |
| 82.120 | 2.456 | 82.820 | 1.236 | 84.920 | 0.176 | 89.620 | -0.374 |
| 89.870 | -0.401 | 94.620 | -1.402 | 99.620 | -1.502 | 104.630 | -1.653 |
| 109.630 | -2.053 | 114.630 | -1.924 | 119.630 | -2.404 | 124.630 | -2.285 |
| 129.630 | -2.256 | 134.630 | -2.376 | 139.630 | -2.407 | 144.640 | -2.427 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 149.640 | -2.498 | 154.640 | -2.489 | 159.640 | -2.349 | 164.640 | -2.390 |
| 169.640 | -2.400 | 174.640 | -2.411 | 179.640 | -2.411 | 184.650 | -2.662 |
| 189.650 | -2.523 | 194.650 | -2.473 | 199.650 | -2.434 | 204.650 | -2.524 |
| 209.650 | -2.465 | 214.650 | -2.466 | 219.650 | -2.386 | 224.650 | -2.597 |
| 229.660 | -2.547 | 234.660 | -2.768 | 239.660 | -2.669 | 244.660 | -2.899 |
| 249.660 | -2.910 | 254.660 | -2.700 | 259.660 | -2.771 | 264.660 | -1.371 |
| 269.670 | -1.372 | 274.670 | -1.403 | 279.670 | -1.443 | 284.670 | -1.404 |
| 289.670 | -1.404 | 294.670 | -1.415 | 299.670 | -1.366 | 304.670 | -1.386 |
| 309.670 | -1.427 | 314.680 | -1.447 | 319.680 | -1.468 | 324.680 | -1.488 |
| 329.680 | -1.509 | 334.680 | -1.480 | 339.680 | -1.430 | 344.680 | -1.451 |
| 349.680 | -1.411 | 354.690 | -1.432 | 359.690 | -1.353 | 364.690 | -1.293 |
| 369.690 | -1.264 | 374.690 | -1.284 | 379.690 | -1.245 | 384.690 | -1.175 |
| 389.690 | -1.176 | 394.700 | -1.087 | 399.700 | -0.977 | 404.700 | -0.918 |
| 409.700 | -0.828 | 414.700 | -0.799 | 419.700 | -0.730 | 424.700 | -0.640 |
| 429.700 | -0.521 | 432.150 | -0.441 | 434.700 | -0.381 | 439.710 | -0.281 |
| 444.710 | -0.301 | 449.710 | -0.181 | 454.710 | -0.121 | 459.710 | -0.121 |
| 464.710 | -0.141 | 469.710 | -0.151 | 474.710 | -0.261 | 479.720 | -0.261 |
| 484.720 | -0.341 | 486.920 | -0.421 | 489.720 | -0.491 | 491.060 | -0.491 |
| 491.060 | -0.421 | 491.060 | 0.339 | 490.580 | 0.339 | 490.580 | 0.859 |
| 491.220 | 0.859 | 491.220 | 0.859 | 493.420 | 0.949 | 496.320 | 2.429 |
| 497.570 | 2.459 | 497.780 | 2.469 | 497.780 | 2.609 | 497.780 | 2.464 |
| 507.850 | 2.534 | 514.110 | 2.524 | 524.140 | 2.584 | 533.320 | 2.624 |
| 542.450 | 2.654 | 551.170 | 2.684 | 559.700 | 2.724 | 560.730 | 3.309 |
| 560.730 | 3.307 | 561.830 | 3.407 | 562.240 | 3.497 | 565.930 | 3.927 |
| 570.320 | 6.087 | 572.520 | 7.207 | 573.320 | 7.647 | 573.320 | 7.647 |
| 573.320 | 7.940 | 573.320 | 7.648 | 573.320 | 7.648 | 574.220 | 8.088 |
| 574.600 | 8.298 | 574.880 | 8.358 | 578.560 | 8.398 | 582.030 | 8.338 |
| 582.030 | 8.339 | 582.220 | 8.328 | 582.630 | 8.158 | 583.780 | 7.598 |
| 584.760 | 7.478 | 585.010 | 6.918 | 585.010 | 6.918 | 588.190 | 6.878 |
| 588.590 | 6.898 | 589.700 | 6.408 | 590.660 | 6.348 | 590.840 | 5.908 |
| 590.840 | 5.908 | 594.000 | 5.848 | 594.520 | 5.827 | 595.110 | 5.620 |
| 601.500 | 2.550 | 604.970 | 2.146 | 608.150 | 0.882 | 611.240 | 0.692 |
| 611.900 | -0.518 | 611.900 | -0.518 | 611.980 | -0.518 | 611.980 | -0.638 |
| 612.600 | -0.638 | 612.600 | -0.198 | 613.020 | -0.258 | 613.220 | -0.418 |
| 613.220 | -0.285 | 613.220 | -0.418 | 623.320 | -0.438 | 633.320 | -0.428 |
| 638.150 | -0.438 | 638.740 | -0.078 | 639.030 | -0.058 | 639.540 | -0.038 |
| 639.540 | -0.038 | 640.130 | -1.018 | 640.770 | -2.088 | 640.770 | -2.088 |
| 642.770 | -2.078 | 642.770 | -2.078 | 643.410 | -1.018 | 644.000 | -0.028 |
| 644.000 | -0.028 | 644.530 | -0.028 | 644.720 | 0.022 | 644.980 | 0.032 |
| 648.820 | 0.032 | | | | | | |
| 16.0km | 0.000 | | | | 183 | 20 114 | 7 135 |
| 0.000 | 7.607 | 0.000 | 7.297 | 0.000 | 7.297 | 1.240 | 7.847 |
| 1.550 | 8.007 | 4.270 | 8.017 | 8.480 | 7.787 | 13.510 | 5.377 |
| 16.150 | 5.007 | 20.770 | 4.837 | 25.000 | 3.705 | 32.000 | 2.223 |
| 33.620 | 2.403 | 38.950 | 2.303 | 48.740 | 1.863 | 55.120 | 1.643 |
| 61.310 | 1.553 | 61.310 | 1.641 | 61.310 | 1.545 | 65.940 | 1.395 |
| 65.940 | 0.725 | 68.330 | 0.495 | 68.330 | 0.165 | 71.300 | -0.335 |
| 71.880 | -0.421 | 76.300 | -1.571 | 81.300 | -2.102 | 86.290 | -2.202 |
| 91.290 | -2.472 | 96.280 | -2.762 | 101.280 | -2.962 | 106.280 | -3.122 |
| 111.270 | -3.202 | 116.270 | -3.223 | 121.270 | -3.373 | 126.260 | -3.293 |
| 131.260 | -3.153 | 136.250 | -3.183 | 141.250 | -3.133 | 146.250 | -3.024 |
| 151.240 | -3.004 | 156.240 | -3.084 | 161.240 | -3.024 | 166.230 | -3.044 |
| 171.230 | -2.674 | 176.220 | -1.405 | 181.220 | -1.245 | 186.220 | -1.205 |
| 191.210 | -1.215 | 196.210 | -1.155 | 201.210 | -1.125 | 206.200 | -1.106 |
| 211.200 | -1.076 | 216.190 | -1.016 | 221.190 | -1.026 | 226.190 | -1.026 |
| 231.180 | -0.946 | 236.180 | -0.947 | 241.180 | -0.927 | 246.170 | -0.887 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 251.170 | -0.747 | 256.170 | -0.747 | 261.160 | -0.727 | 266.160 | -0.688 |
| 271.150 | -0.838 | 276.150 | -0.768 | 281.150 | -0.728 | 286.140 | -0.728 |
| 291.140 | -0.678 | 296.140 | -0.689 | 301.130 | -0.689 | 306.130 | -0.689 |
| 311.120 | -0.699 | 316.120 | -0.629 | 321.120 | -0.889 | 326.110 | -1.170 |
| 331.110 | -1.170 | 336.110 | -1.230 | 341.100 | -1.340 | 346.100 | -1.250 |
| 351.090 | -1.430 | 356.090 | -1.431 | 361.090 | -1.471 | 366.080 | -1.651 |
| 371.080 | -1.461 | 376.080 | -1.651 | 381.070 | -1.651 | 386.070 | -1.611 |
| 391.060 | -1.732 | 396.060 | -1.652 | 401.060 | -1.682 | 406.050 | -1.632 |
| 411.050 | -1.592 | 416.050 | -1.522 | 421.040 | -1.503 | 426.040 | -1.483 |
| 431.040 | -1.473 | 436.030 | -1.493 | 441.030 | -1.503 | 446.020 | -1.483 |
| 451.020 | -1.834 | 456.020 | -0.504 | 457.820 | -0.434 | 458.940 | -0.332 |
| 458.940 | -0.332 | 458.940 | 0.188 | 458.360 | 0.188 | 458.360 | 0.718 |
| 459.060 | 0.718 | 459.060 | 0.718 | 461.260 | 0.808 | 464.390 | 2.408 |
| 465.510 | 2.418 | 465.710 | 2.448 | 465.710 | 2.556 | 465.710 | 2.441 |
| 475.990 | 2.481 | 487.800 | 2.531 | 496.200 | 2.551 | 505.100 | 2.591 |
| 513.940 | 2.691 | 522.700 | 2.791 | 523.690 | 3.342 | 523.690 | 3.341 |
| 524.620 | 3.441 | 525.130 | 3.561 | 528.970 | 4.071 | 535.650 | 7.221 |
| 535.650 | 7.221 | 536.500 | 7.671 | 536.500 | 7.671 | 536.500 | 8.000 |
| 536.500 | 7.676 | 536.500 | 7.676 | 537.370 | 8.116 | 537.640 | 8.376 |
| 537.950 | 8.406 | 541.600 | 8.476 | 545.110 | 8.416 | 545.110 | 8.420 |
| 545.250 | 8.416 | 545.640 | 8.326 | 549.180 | 6.476 | 550.250 | 6.376 |
| 550.420 | 5.956 | 550.420 | 5.956 | 553.610 | 5.886 | 554.150 | 5.885 |
| 554.500 | 5.811 | 561.310 | 2.421 | 565.440 | 2.224 | 570.500 | 0.340 |
| 571.200 | 0.320 | 571.810 | -0.920 | 571.810 | -0.920 | 572.340 | -0.920 |
| 572.340 | -0.410 | 572.860 | -0.360 | 572.860 | -0.208 | 572.860 | -0.360 |
| 574.480 | -0.170 | 576.220 | 0.900 | 584.270 | 1.010 | 588.190 | 0.960 |
| 592.920 | 0.970 | 592.920 | 0.970 | 598.440 | 0.910 | 599.650 | 0.880 |
| 601.340 | 0.070 | 602.940 | -0.140 | 602.940 | -0.240 | 603.190 | -0.520 |
| 603.480 | -0.530 | 603.480 | -1.340 | 604.130 | -1.350 | 604.130 | -0.530 |
| 604.410 | -0.530 | 604.650 | -0.250 | 604.650 | -0.170 | 605.000 | -0.170 |
| 606.050 | 0.010 | 606.710 | 0.060 | 611.670 | 0.110 | | |
| 16.2km | 0.000 | | | | 182 | 15 111 | 6 130 |
| 0.000 | 8.030 | 0.000 | 7.728 | 0.000 | 7.728 | 1.170 | 8.128 |
| 3.780 | 8.148 | 6.690 | 8.088 | 10.000 | 6.378 | 13.120 | 5.278 |
| 16.720 | 5.018 | 19.500 | 4.268 | 23.910 | 4.112 | 29.760 | 2.321 |
| 38.900 | 2.301 | 42.710 | 2.281 | 45.660 | 2.271 | 45.660 | 2.342 |
| 45.660 | 2.255 | 45.720 | 2.255 | 46.930 | 2.195 | 50.710 | 0.315 |
| 50.710 | 0.315 | 50.960 | 0.215 | 51.520 | 0.215 | 51.520 | -0.397 |
| 51.520 | -0.497 | 51.870 | -0.527 | 55.650 | -1.847 | 56.050 | -2.177 |
| 60.650 | -2.197 | 65.640 | -2.227 | 70.640 | -2.237 | 75.630 | -2.577 |
| 80.630 | -2.517 | 85.620 | -2.316 | 90.620 | -2.516 | 95.610 | -2.316 |
| 100.610 | -2.486 | 105.600 | -2.436 | 110.600 | -2.216 | 115.590 | -2.216 |
| 120.590 | -2.376 | 125.590 | -2.146 | 130.580 | -2.135 | 135.580 | -2.095 |
| 140.570 | -1.625 | 145.570 | -1.545 | 150.560 | -1.455 | 155.560 | -1.295 |
| 160.550 | -1.315 | 165.550 | -1.315 | 170.540 | -1.354 | 175.540 | -1.314 |
| 180.530 | -1.334 | 185.530 | -1.344 | 190.520 | -1.374 | 195.520 | -1.414 |
| 200.520 | -1.414 | 205.510 | -1.444 | 210.510 | -1.413 | 215.500 | -1.463 |
| 220.500 | -1.473 | 225.490 | -1.493 | 230.490 | -1.423 | 235.480 | -1.413 |
| 240.480 | -1.393 | 245.470 | -1.393 | 250.470 | -1.393 | 255.460 | -1.372 |
| 260.460 | -1.392 | 265.450 | -1.412 | 270.450 | -1.442 | 275.450 | -1.472 |
| 280.440 | -1.462 | 285.440 | -1.612 | 290.430 | -1.592 | 295.430 | -1.611 |
| 300.420 | -1.591 | 305.420 | -1.471 | 310.410 | -1.471 | 315.410 | -1.441 |
| 320.400 | -1.491 | 325.400 | -1.491 | 330.390 | -1.491 | 335.390 | -1.441 |
| 340.380 | -1.480 | 345.380 | -1.530 | 350.370 | -1.570 | 355.370 | -1.590 |
| 360.370 | -1.610 | 365.360 | -1.740 | 370.360 | -1.890 | 375.350 | -1.910 |
| 380.350 | -1.869 | 385.340 | -1.909 | 390.340 | -1.939 | 395.330 | -2.039 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 400.330 | -2.139 | 405.320 | -2.199 | 410.320 | -2.269 | 415.310 | -2.289 |
| 416.310 | -2.289 | 420.110 | -0.689 | 420.310 | -0.489 | 420.910 | -0.389 |
| 424.040 | -0.588 | 424.040 | -0.588 | 424.040 | -0.158 | 425.300 | -0.158 |
| 430.250 | 2.372 | 431.450 | 2.412 | 431.650 | 2.442 | 431.650 | 2.612 |
| 431.650 | 2.433 | 438.200 | 2.413 | 447.610 | 2.523 | 452.020 | 2.503 |
| 462.790 | 2.543 | 471.920 | 2.593 | 472.520 | 2.703 | 475.730 | 2.753 |
| 476.030 | 2.653 | 482.330 | 2.653 | 483.550 | 3.285 | 483.550 | 3.290 |
| 484.650 | 3.400 | 485.190 | 3.500 | 488.620 | 3.930 | 493.030 | 6.120 |
| 495.140 | 7.320 | 496.030 | 7.770 | 496.030 | 7.770 | 496.030 | 8.050 |
| 496.030 | 7.769 | 496.030 | 7.769 | 496.920 | 8.199 | 497.200 | 8.449 |
| 497.470 | 8.459 | 501.140 | 8.509 | 504.560 | 8.469 | 504.560 | 8.467 |
| 504.750 | 8.459 | 505.350 | 8.209 | 508.640 | 6.509 | 509.770 | 6.439 |
| 509.960 | 5.879 | 509.960 | 5.879 | 513.630 | 5.699 | 516.800 | 5.629 |
| 517.240 | 5.667 | 523.850 | 2.443 | 528.060 | 2.209 | 532.630 | 0.367 |
| 533.330 | 0.257 | 533.990 | -0.973 | 533.990 | -0.973 | 534.530 | -0.973 |
| 534.530 | -0.403 | 535.160 | -0.333 | 535.160 | -0.207 | 535.160 | -0.333 |
| 535.420 | -0.533 | 544.690 | -0.423 | 549.570 | -0.373 | 550.210 | -0.073 |
| 550.580 | -0.053 | 551.120 | -0.043 | 551.120 | -0.043 | 551.740 | -1.043 |
| 552.350 | -2.043 | 552.350 | -2.043 | 554.420 | -2.053 | 554.420 | -2.053 |
| 555.030 | -1.043 | 555.650 | -0.053 | 555.650 | -0.053 | 556.180 | -0.053 |
| 556.490 | 0.097 | 557.000 | 0.177 | 559.210 | 0.227 | 561.830 | 0.177 |
| 562.360 | 0.347 | 571.310 | 0.407 | | | | |
| 16.4km | 0.000 | | | | 197 | 18 123 | 7 150 |
| 0.000 | 8.161 | 0.000 | 7.849 | 0.000 | 7.849 | 0.440 | 7.989 |
| 0.760 | 8.219 | 3.180 | 8.269 | 6.110 | 8.189 | 12.240 | 5.209 |
| 16.580 | 5.129 | 20.020 | 4.136 | 23.430 | 3.976 | 26.810 | 3.056 |
| 34.760 | 2.666 | 35.080 | 2.506 | 35.080 | 2.576 | 35.080 | 2.512 |
| 35.780 | 2.232 | 36.770 | 2.132 | 39.190 | 0.962 | 41.170 | 0.752 |
| 45.070 | 0.322 | 50.060 | -0.278 | 51.320 | -0.344 | 51.320 | -0.344 |
| 55.050 | -0.464 | 60.050 | -0.494 | 61.640 | -0.524 | 64.040 | -0.743 |
| 65.040 | -1.503 | 67.590 | -2.793 | 70.030 | -2.593 | 75.030 | -1.992 |
| 80.020 | -2.122 | 85.010 | -2.242 | 90.010 | -2.281 | 95.000 | -2.241 |
| 99.990 | -2.241 | 104.990 | -2.100 | 109.980 | -2.000 | 114.970 | -1.959 |
| 119.970 | -1.799 | 124.960 | -1.699 | 129.950 | -1.778 | 134.950 | -1.308 |
| 139.940 | -1.338 | 144.930 | -1.307 | 149.930 | -1.317 | 154.920 | -1.116 |
| 159.910 | -1.046 | 164.910 | -1.056 | 169.900 | -0.975 | 174.890 | -0.935 |
| 179.890 | -1.024 | 184.880 | -1.184 | 189.870 | -1.114 | 194.870 | -1.133 |
| 199.860 | -1.123 | 204.850 | -1.093 | 209.850 | -1.152 | 214.840 | -1.222 |
| 219.830 | -1.231 | 224.830 | -1.131 | 229.820 | -1.141 | 234.810 | -1.330 |
| 239.810 | -1.310 | 244.800 | -1.430 | 249.790 | -1.579 | 254.790 | -1.799 |
| 259.780 | -1.808 | 264.770 | -1.718 | 269.770 | -1.848 | 274.760 | -1.937 |
| 279.750 | -2.137 | 284.750 | -2.146 | 289.740 | -2.346 | 294.730 | -2.266 |
| 299.730 | -2.285 | 304.720 | -2.245 | 309.710 | -2.305 | 314.710 | -2.424 |
| 319.700 | -2.374 | 324.690 | -2.343 | 329.690 | -2.303 | 334.680 | -2.323 |
| 339.670 | -2.322 | 344.670 | -2.422 | 349.660 | -2.442 | 354.650 | -2.481 |
| 359.650 | -2.241 | 364.640 | -2.120 | 369.630 | -2.220 | 374.630 | -2.240 |
| 379.620 | -2.269 | 384.610 | -2.289 | 389.610 | -2.318 | 394.600 | -2.518 |
| 396.200 | -2.488 | 398.800 | -0.318 | 398.800 | -0.318 | 399.590 | -0.158 |
| 399.590 | -0.158 | 404.590 | -0.068 | 404.790 | -0.068 | 404.790 | -0.068 |
| 404.790 | 0.472 | 404.310 | 0.472 | 404.310 | 0.982 | 404.990 | 0.982 |
| 404.990 | 0.982 | 407.380 | 1.102 | 407.380 | 1.102 | 408.110 | 1.102 |
| 408.110 | 1.272 | 408.520 | 1.272 | 408.520 | 1.482 | 408.930 | 1.482 |
| 408.930 | 1.702 | 409.580 | 1.702 | 409.580 | 2.042 | 410.200 | 2.042 |
| 410.200 | 2.372 | 411.380 | 2.372 | 411.480 | 2.412 | 411.480 | 2.587 |
| 411.480 | 2.423 | 421.390 | 2.443 | 430.600 | 2.503 | 440.600 | 2.573 |
| 448.690 | 2.603 | 458.000 | 2.623 | 466.710 | 2.673 | 467.440 | 2.763 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 470.060 | 2.773 | 470.620 | 2.703 | 476.820 | 2.723 | 478.260 | 3.413 |
| 478.260 | 3.410 | 479.220 | 3.520 | 479.560 | 3.650 | 483.640 | 4.200 |
| 489.770 | 7.240 | 489.770 | 7.240 | 490.600 | 7.720 | 490.600 | 7.720 |
| 490.600 | 8.054 | 490.600 | 7.723 | 490.600 | 7.723 | 491.650 | 8.243 |
| 491.820 | 8.443 | 492.100 | 8.503 | 495.720 | 8.553 | 499.080 | 8.513 |
| 499.080 | 8.513 | 499.290 | 8.503 | 499.880 | 8.303 | 503.100 | 6.533 |
| 504.290 | 6.443 | 504.460 | 6.023 | 504.460 | 6.023 | 507.610 | 5.953 |
| 508.120 | 5.942 | 508.750 | 5.750 | 514.010 | 3.050 | 515.120 | 2.970 |
| 515.320 | 2.450 | 519.780 | 2.277 | 523.800 | 0.677 | 524.500 | 0.627 |
| 525.240 | -0.883 | 525.240 | -0.883 | 525.770 | -0.883 | 525.770 | -0.403 |
| 526.340 | -0.343 | 526.830 | -0.463 | 527.110 | -0.483 | 527.110 | -0.353 |
| 527.110 | -0.483 | 534.950 | -0.413 | 535.680 | -0.003 | 535.990 | -0.003 |
| 536.500 | -0.003 | 536.500 | -0.003 | 537.130 | -1.063 | 537.710 | -2.033 |
| 537.710 | -2.033 | 539.760 | -2.033 | 539.760 | -2.033 | 540.340 | -1.063 |
| 541.040 | -0.003 | 541.040 | -0.003 | 541.540 | -0.003 | 541.750 | 0.037 |
| 542.150 | 0.147 | 544.600 | 0.207 | 550.660 | 0.127 | 557.200 | 0.187 |
| 565.600 | 0.277 | | | | | | |
| 16.6km | 0.000 | | | | 164 | 12 101 | 6 127 |
| 0.000 | 7.764 | 0.000 | 7.464 | 0.000 | 7.464 | 1.090 | 7.834 |
| 4.240 | 7.894 | 6.880 | 7.874 | 14.320 | 4.554 | 17.920 | 4.278 |
| 21.800 | 3.328 | 25.410 | 3.008 | 31.130 | 2.888 | 32.150 | 2.708 |
| 32.150 | 2.843 | 32.150 | 2.709 | 33.150 | 2.319 | 33.750 | 2.249 |
| 36.650 | 0.669 | 37.150 | 0.639 | 42.140 | 0.059 | 46.690 | -0.263 |
| 47.140 | -0.362 | 52.140 | -0.661 | 57.130 | -1.960 | 62.130 | -2.179 |
| 67.130 | -1.668 | 72.130 | -1.937 | 77.120 | -1.736 | 82.120 | -2.005 |
| 87.120 | -1.974 | 92.110 | -1.963 | 97.110 | -1.672 | 102.110 | -1.771 |
| 107.100 | -1.680 | 112.100 | -1.569 | 117.100 | -1.588 | 122.090 | -1.697 |
| 127.090 | -1.426 | 132.090 | -1.445 | 137.080 | -1.493 | 142.080 | -1.562 |
| 147.080 | -1.441 | 152.080 | -1.430 | 157.070 | -1.439 | 162.070 | -1.488 |
| 167.070 | -1.467 | 172.060 | -1.416 | 177.060 | -1.445 | 182.060 | -1.614 |
| 187.050 | -1.533 | 192.050 | -1.552 | 197.050 | -1.531 | 202.040 | -1.650 |
| 207.040 | -1.579 | 212.040 | -1.668 | 217.030 | -1.697 | 222.030 | -1.646 |
| 227.030 | -1.624 | 232.030 | -1.743 | 237.020 | -1.942 | 242.020 | -2.021 |
| 247.020 | -1.830 | 252.010 | -1.819 | 257.010 | -1.848 | 262.010 | -2.037 |
| 267.000 | -2.036 | 272.000 | -1.965 | 277.000 | -2.074 | 281.990 | -2.013 |
| 286.990 | -2.192 | 291.990 | -2.261 | 296.980 | -2.250 | 301.980 | -2.319 |
| 306.980 | -2.458 | 311.980 | -2.606 | 316.970 | -2.785 | 321.970 | -2.764 |
| 326.970 | -2.903 | 331.960 | -2.882 | 336.960 | -2.821 | 341.960 | -2.720 |
| 346.950 | -2.679 | 351.950 | -2.618 | 356.950 | -2.507 | 361.940 | -2.376 |
| 366.940 | -2.395 | 371.390 | -2.544 | 371.940 | -2.194 | 374.840 | -0.933 |
| 374.840 | -0.933 | 376.930 | -0.593 | 379.600 | -0.432 | 379.600 | -0.432 |
| 379.600 | -0.192 | 379.600 | 0.460 | 379.050 | 0.460 | 379.050 | 0.980 |
| 379.900 | 0.980 | 379.900 | 0.980 | 382.020 | 1.050 | 384.650 | 2.370 |
| 385.830 | 2.410 | 385.930 | 2.440 | 385.930 | 2.592 | 385.930 | 2.422 |
| 395.890 | 2.472 | 406.480 | 2.502 | 415.410 | 2.512 | 424.540 | 2.582 |
| 425.600 | 2.682 | 427.800 | 2.692 | 428.550 | 2.622 | 434.570 | 2.592 |
| 436.110 | 3.459 | 436.110 | 3.461 | 437.190 | 3.601 | 437.650 | 3.691 |
| 441.430 | 4.161 | 447.590 | 7.311 | 447.590 | 7.311 | 448.570 | 7.851 |
| 448.570 | 7.851 | 448.570 | 8.170 | 448.570 | 7.854 | 448.570 | 7.854 |
| 449.520 | 8.314 | 449.790 | 8.494 | 450.020 | 8.544 | 453.680 | 8.594 |
| 457.110 | 8.554 | 457.110 | 8.552 | 457.240 | 8.544 | 457.420 | 8.544 |
| 461.410 | 6.564 | 462.300 | 6.494 | 462.430 | 6.064 | 462.430 | 6.064 |
| 465.660 | 6.004 | 466.150 | 5.986 | 466.760 | 5.821 | 473.300 | 2.481 |
| 477.620 | 2.363 | 481.990 | 0.564 | 482.530 | 0.484 | 483.350 | -1.006 |
| 483.350 | -1.006 | 483.920 | -1.006 | 483.920 | -0.796 | 485.460 | -0.806 |
| 485.460 | -0.584 | 485.460 | -0.806 | 485.890 | -0.796 | 485.890 | -1.036 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 485.890 | -1.496 | 487.490 | -1.496 | 488.620 | -1.496 | 498.680 | -1.496 |
| 508.530 | -1.476 | 516.240 | -1.456 | 519.260 | -1.456 | 519.520 | -1.896 |
| 521.670 | -1.896 | 521.930 | -1.466 | 528.820 | -1.456 | 528.820 | -1.026 |
| 16.8km | 0.000 | | | | 188 | 11 116 | 6 137 |
| 0.000 | 8.409 | 0.000 | 8.123 | 0.000 | 8.123 | 1.100 | 8.593 |
| 4.400 | 8.633 | 9.740 | 8.553 | 13.000 | 7.003 | 16.850 | 4.524 |
| 20.250 | 3.602 | 25.040 | 2.962 | 30.700 | 2.662 | 32.340 | 2.382 |
| 32.340 | 2.529 | 32.340 | 2.398 | 32.840 | 2.238 | 36.640 | 0.318 |
| 37.340 | 0.268 | 38.340 | 0.206 | 40.640 | -0.003 | 42.340 | -0.293 |
| 42.640 | -0.333 | 47.330 | -0.542 | 52.330 | -0.790 | 57.330 | -1.469 |
| 62.330 | -1.468 | 67.320 | -1.436 | 72.320 | -1.265 | 77.320 | -1.564 |
| 82.320 | -1.562 | 87.310 | -1.581 | 92.310 | -1.630 | 97.310 | -1.478 |
| 102.310 | -1.457 | 107.310 | -1.476 | 112.300 | -1.575 | 117.300 | -1.653 |
| 122.300 | -1.522 | 127.300 | -1.531 | 132.290 | -1.569 | 137.290 | -1.668 |
| 142.290 | -1.607 | 147.290 | -1.745 | 152.280 | -1.684 | 157.280 | -1.753 |
| 162.280 | -1.721 | 167.280 | -1.820 | 172.280 | -1.879 | 177.270 | -1.958 |
| 182.270 | -2.116 | 187.270 | -2.135 | 192.270 | -1.954 | 197.260 | -1.962 |
| 202.260 | -2.011 | 207.260 | -2.130 | 212.260 | -2.128 | 217.250 | -2.147 |
| 222.250 | -2.196 | 227.250 | -2.234 | 232.250 | -2.163 | 237.250 | -2.362 |
| 242.240 | -2.260 | 247.240 | -2.289 | 252.240 | -2.268 | 257.240 | -2.247 |
| 262.230 | -2.375 | 267.230 | -2.154 | 272.230 | -2.263 | 277.230 | -2.331 |
| 282.220 | -2.210 | 287.220 | -2.309 | 292.220 | -2.307 | 297.220 | -2.286 |
| 302.220 | -2.005 | 307.210 | -1.953 | 312.210 | -1.882 | 317.210 | -1.971 |
| 322.210 | -1.940 | 327.200 | -1.918 | 332.200 | -1.987 | 337.200 | -1.766 |
| 342.200 | -1.764 | 347.190 | -1.633 | 352.190 | -1.732 | 357.190 | -1.890 |
| 362.190 | -1.999 | 365.940 | -2.358 | 367.190 | -1.408 | 368.650 | -0.857 |
| 368.650 | -0.857 | 372.180 | -0.346 | 373.660 | -0.286 | 373.660 | -0.286 |
| 373.660 | 0.294 | 373.660 | 0.538 | 373.080 | 0.538 | 373.080 | 1.048 |
| 373.810 | 1.048 | 373.810 | 1.048 | 375.640 | 1.098 | 375.640 | 1.098 |
| 376.250 | 1.138 | 376.250 | 1.278 | 376.630 | 1.278 | 376.630 | 1.478 |
| 377.030 | 1.478 | 377.030 | 1.668 | 377.430 | 1.668 | 377.430 | 1.868 |
| 377.830 | 1.868 | 377.830 | 2.068 | 378.150 | 2.068 | 378.150 | 2.258 |
| 378.480 | 2.258 | 378.480 | 2.408 | 379.660 | 2.468 | 379.780 | 2.488 |
| 379.780 | 2.659 | 379.780 | 2.477 | 389.990 | 2.487 | 392.880 | 2.497 |
| 403.040 | 2.547 | 411.590 | 2.567 | 419.780 | 2.587 | 428.850 | 2.577 |
| 436.730 | 2.627 | 437.330 | 2.747 | 440.010 | 2.757 | 440.760 | 2.667 |
| 447.050 | 2.687 | 448.750 | 3.584 | 448.750 | 3.580 | 449.810 | 3.700 |
| 450.100 | 3.780 | 454.180 | 4.210 | 458.450 | 6.260 | 461.530 | 7.390 |
| 461.590 | 7.840 | 461.590 | 7.840 | 461.590 | 8.127 | 461.590 | 7.838 |
| 461.590 | 7.838 | 462.560 | 8.308 | 462.770 | 8.498 | 463.100 | 8.588 |
| 466.830 | 8.628 | 473.930 | 8.458 | 473.930 | 8.462 | 474.030 | 8.458 |
| 474.780 | 8.278 | 478.380 | 6.538 | 479.330 | 6.508 | 479.470 | 6.118 |
| 479.470 | 6.118 | 482.690 | 6.088 | 483.230 | 6.067 | 483.800 | 5.815 |
| 490.690 | 2.475 | 493.400 | 2.315 | 493.510 | 1.975 | 493.680 | 1.965 |
| 493.680 | 1.665 | 493.980 | 1.665 | 493.980 | 1.965 | 494.300 | 2.035 |
| 494.300 | 2.201 | 494.300 | 2.035 | 495.000 | 2.355 | 502.010 | 1.955 |
| 503.120 | 1.605 | 504.040 | 1.585 | 509.960 | 1.673 | 510.900 | 1.713 |
| 511.490 | 1.933 | 518.490 | 2.143 | 519.300 | 1.713 | 521.700 | 1.443 |
| 527.150 | 1.408 | 527.690 | 1.588 | 528.800 | 2.118 | 529.960 | 2.138 |
| 530.880 | 1.428 | 532.420 | 0.418 | 532.420 | 0.118 | 532.720 | 0.118 |
| 532.720 | 0.418 | 533.570 | 0.488 | 535.950 | 0.518 | 538.090 | 0.488 |
| 17.0km | 0.000 | | | | 172 | 15 104 | 8 127 |
| -1.000 | 8.238 | -1.000 | 7.952 | -1.000 | 7.952 | 0.400 | 8.422 |
| 3.420 | 8.422 | 4.700 | 8.842 | 7.340 | 8.872 | 11.610 | 8.812 |
| 15.900 | 6.262 | 19.000 | 5.420 | 23.540 | 3.915 | 30.170 | 2.785 |
| 38.320 | 2.705 | 44.200 | 2.835 | 47.340 | 2.585 | 48.870 | 2.095 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 48.870 | 2.206 | 48.870 | 2.078 | 48.870 | 2.078 | 50.460 | 1.328 |
| 53.860 | 0.748 | 58.860 | 0.868 | 60.360 | 1.028 | 63.850 | 0.728 |
| 64.710 | 0.628 | 64.710 | 0.389 | 68.850 | -0.210 | 73.840 | -0.409 |
| 78.840 | -0.819 | 83.830 | -1.098 | 88.820 | -1.067 | 93.820 | -1.006 |
| 98.810 | -1.025 | 103.810 | -1.105 | 108.800 | -1.324 | 113.800 | -1.423 |
| 118.790 | -1.482 | 123.780 | -1.671 | 128.780 | -1.511 | 133.770 | -1.670 |
| 138.770 | -1.789 | 143.760 | -1.728 | 148.760 | -1.857 | 153.750 | -1.907 |
| 158.740 | -1.996 | 163.740 | -1.975 | 168.730 | -2.034 | 173.730 | -2.103 |
| 178.720 | -2.243 | 183.720 | -2.172 | 188.710 | -2.251 | 193.700 | -2.360 |
| 198.700 | -2.339 | 203.690 | -2.739 | 208.690 | -2.558 | 213.680 | -2.507 |
| 218.680 | -2.446 | 223.670 | -2.385 | 228.660 | -2.305 | 233.660 | -2.244 |
| 238.650 | -2.333 | 243.650 | -2.372 | 248.640 | -2.371 | 253.640 | -2.331 |
| 258.630 | -2.260 | 263.620 | -2.279 | 268.620 | -2.138 | 273.610 | -2.137 |
| 278.610 | -2.096 | 283.600 | -2.096 | 288.600 | -2.065 | 293.590 | -2.094 |
| 298.580 | -2.173 | 303.580 | -1.992 | 308.570 | -1.872 | 313.570 | -1.821 |
| 318.560 | -1.640 | 323.560 | -1.619 | 328.550 | -1.738 | 333.540 | -1.768 |
| 338.540 | -1.637 | 343.530 | -1.486 | 348.530 | -1.365 | 353.520 | -1.394 |
| 358.520 | -1.484 | 363.510 | -1.413 | 368.500 | -1.412 | 373.500 | -1.461 |
| 378.490 | -1.610 | 383.490 | -1.680 | 386.680 | -1.659 | 388.480 | -1.319 |
| 388.480 | -1.319 | 393.260 | -0.858 | 393.260 | -0.858 | 393.260 | 0.442 |
| 392.780 | 0.534 | 392.780 | 1.044 | 393.450 | 1.044 | 393.450 | 1.044 |
| 395.630 | 1.134 | 398.250 | 2.444 | 399.420 | 2.484 | 399.570 | 2.534 |
| 399.570 | 2.682 | 399.570 | 2.513 | 409.470 | 2.543 | 420.640 | 2.553 |
| 431.230 | 2.573 | 441.050 | 2.643 | 451.050 | 2.653 | 461.120 | 2.703 |
| 469.750 | 2.743 | 479.300 | 2.803 | 487.850 | 2.833 | 490.640 | 4.253 |
| 494.850 | 4.347 | 498.800 | 6.267 | 500.170 | 7.007 | 501.050 | 7.427 |
| 501.050 | 7.427 | 501.050 | 7.753 | 501.050 | 7.424 | 501.050 | 7.424 |
| 501.980 | 7.944 | 503.130 | 8.654 | 503.380 | 8.674 | 506.980 | 8.724 |
| 510.520 | 8.684 | 510.520 | 8.683 | 510.580 | 8.684 | 510.750 | 8.674 |
| 514.710 | 6.684 | 515.780 | 6.614 | 515.900 | 6.164 | 515.900 | 6.164 |
| 519.080 | 6.084 | 519.500 | 6.082 | 520.190 | 5.967 | 526.750 | 2.687 |
| 531.220 | 2.506 | 535.850 | 0.653 | 536.680 | 0.543 | 537.270 | -0.677 |
| 537.270 | -0.677 | 537.800 | -0.677 | 537.800 | -0.207 | 539.010 | 0.063 |
| 539.010 | 0.235 | 539.010 | 0.063 | 544.230 | 0.193 | 552.010 | 0.243 |
| 552.260 | 0.243 | 552.260 | -0.147 | 552.700 | -0.147 | 552.700 | -0.147 |
| 553.210 | -1.007 | 554.050 | -2.157 | 554.050 | -2.157 | 556.050 | -2.147 |
| 556.050 | -2.147 | 556.630 | -1.007 | 557.290 | -0.147 | 557.290 | -0.147 |
| 557.730 | -0.147 | 557.730 | 0.263 | 558.030 | 0.263 | 558.030 | 0.263 |
| 563.100 | 0.313 | 564.140 | 0.373 | 571.100 | 0.383 | 576.050 | 0.393 |
| 17.2km | 0.000 | | | | 180 | 29.123 | 6.146 |
| -1.000 | 8.339 | -1.000 | 8.047 | -1.000 | 8.047 | 0.350 | 8.627 |
| 3.130 | 8.557 | 6.150 | 8.497 | 8.120 | 7.347 | 10.000 | 6.957 |
| 12.450 | 5.607 | 14.700 | 4.871 | 17.310 | 3.401 | 19.100 | 3.091 |
| 21.640 | 3.041 | 24.500 | 2.251 | 31.260 | 2.211 | 37.820 | 3.051 |
| 43.470 | 3.871 | 49.000 | 3.671 | 53.410 | 3.231 | 60.190 | 2.101 |
| 60.190 | 2.199 | 60.190 | 2.091 | 60.450 | 2.091 | 62.390 | 1.121 |
| 65.190 | 0.831 | 70.180 | 0.572 | 72.480 | 0.491 | 73.980 | 0.341 |
| 75.180 | 0.272 | 80.180 | -0.107 | 82.580 | -0.306 | 83.480 | -0.456 |
| 85.180 | -0.405 | 90.170 | -0.704 | 95.170 | -0.882 | 100.170 | -1.021 |
| 105.170 | -1.319 | 110.160 | -1.518 | 115.160 | -1.496 | 120.160 | -1.584 |
| 125.150 | -1.583 | 130.150 | -1.531 | 135.150 | -1.790 | 140.150 | -1.718 |
| 145.140 | -1.777 | 150.140 | -1.795 | 155.140 | -2.033 | 160.140 | -2.182 |
| 165.130 | -2.190 | 170.130 | -2.159 | 175.130 | -2.227 | 180.120 | -2.296 |
| 185.120 | -2.394 | 190.120 | -2.292 | 195.120 | -2.551 | 200.110 | -2.389 |
| 205.110 | -2.438 | 210.110 | -2.586 | 215.110 | -2.665 | 220.100 | -2.743 |
| 225.100 | -2.732 | 230.100 | -2.790 | 235.090 | -2.778 | 240.090 | -2.787 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 245.090 | -2.655 | 250.090 | -2.594 | 255.080 | -2.652 | 260.080 | -2.591 |
| 265.080 | -2.639 | 270.080 | -2.497 | 275.070 | -2.416 | 280.070 | -2.324 |
| 285.070 | -2.293 | 290.060 | -2.291 | 295.060 | -2.250 | 300.060 | -2.278 |
| 305.060 | -2.267 | 310.050 | -2.315 | 315.050 | -2.203 | 320.050 | -2.112 |
| 325.050 | -2.020 | 330.040 | -1.919 | 335.040 | -1.747 | 340.040 | -1.596 |
| 345.040 | -1.504 | 350.030 | -1.522 | 355.030 | -1.591 | 360.030 | -1.549 |
| 365.020 | -1.578 | 370.020 | -1.546 | 375.020 | -1.625 | 378.820 | -1.713 |
| 379.120 | -1.263 | 380.020 | -1.213 | 380.950 | -1.163 | 380.950 | -1.163 |
| 385.010 | -0.751 | 385.880 | -0.751 | 385.880 | -0.751 | 385.880 | 0.579 |
| 385.300 | 0.579 | 385.300 | 0.589 | 385.300 | 1.042 | 385.970 | 1.042 |
| 385.970 | 1.042 | 387.820 | 1.102 | 387.820 | 1.102 | 388.540 | 1.152 |
| 388.540 | 1.322 | 388.950 | 1.322 | 388.950 | 1.512 | 389.350 | 1.512 |
| 389.350 | 1.722 | 389.740 | 1.722 | 389.740 | 1.912 | 390.050 | 1.912 |
| 390.050 | 2.072 | 390.400 | 2.072 | 390.400 | 2.252 | 390.750 | 2.252 |
| 390.750 | 2.412 | 391.950 | 2.472 | 392.110 | 2.522 | 392.110 | 2.677 |
| 392.110 | 2.520 | 402.120 | 2.490 | 414.080 | 2.510 | 424.440 | 2.510 |
| 432.170 | 2.570 | 441.220 | 2.610 | 447.860 | 2.660 | 449.640 | 3.648 |
| 450.780 | 3.880 | 454.980 | 4.430 | 460.280 | 7.020 | 460.280 | 7.020 |
| 461.220 | 7.470 | 461.220 | 7.470 | 461.220 | 7.791 | 461.220 | 7.471 |
| 461.220 | 7.471 | 462.190 | 7.931 | 462.190 | 7.931 | 463.470 | 8.601 |
| 463.470 | 8.741 | 463.650 | 8.741 | 463.650 | 8.741 | 467.280 | 8.781 |
| 470.940 | 8.711 | 471.530 | 8.511 | 475.090 | 8.491 | 475.090 | 8.492 |
| 475.220 | 8.491 | 475.430 | 8.491 | 478.890 | 6.721 | 479.800 | 6.641 |
| 479.990 | 6.211 | 479.990 | 6.211 | 483.170 | 6.151 | 483.610 | 6.130 |
| 483.800 | 6.134 | 491.140 | 2.554 | 494.890 | 2.348 | 498.820 | 0.627 |
| 499.710 | 0.577 | 500.310 | -0.643 | 500.310 | -0.643 | 500.410 | -0.643 |
| 500.410 | -0.763 | 500.990 | -0.763 | 500.990 | -0.293 | 501.390 | -0.043 |
| 501.780 | -0.043 | 501.960 | -0.233 | 501.960 | -0.077 | 501.960 | -0.233 |
| 511.220 | -0.243 | 521.220 | -0.253 | 531.220 | -0.243 | 537.000 | -0.253 |
| 17.4km | 0.000 | | | | 169 | 27.113 | 8.136 |
| 0.000 | 8.993 | 0.000 | 8.694 | 0.000 | 8.694 | 0.860 | 9.064 |
| 1.210 | 9.354 | 3.880 | 9.364 | 6.310 | 9.294 | 8.080 | 8.974 |
| 11.150 | 8.084 | 20.990 | 5.038 | 26.300 | 4.258 | 34.720 | 3.968 |
| 41.330 | 3.478 | 50.000 | 3.168 | 59.410 | 2.188 | 59.410 | 2.287 |
| 59.410 | 2.174 | 59.810 | 2.134 | 62.130 | 1.084 | 64.410 | 0.664 |
| 64.960 | 0.604 | 67.500 | 0.494 | 69.400 | 0.484 | 73.100 | 0.604 |
| 74.400 | 0.654 | 79.390 | 0.704 | 83.390 | 0.657 | 84.390 | 0.608 |
| 89.390 | -0.042 | 94.380 | -0.491 | 99.380 | -1.040 | 104.370 | -1.139 |
| 109.370 | -1.119 | 114.370 | -1.038 | 119.360 | -1.137 | 124.360 | -1.136 |
| 129.360 | -1.246 | 134.350 | -1.195 | 139.350 | -1.234 | 144.340 | -1.393 |
| 149.340 | -1.413 | 154.340 | -1.532 | 159.330 | -1.621 | 164.330 | -1.730 |
| 169.320 | -1.830 | 174.320 | -2.029 | 179.320 | -2.068 | 184.310 | -2.127 |
| 189.310 | -2.307 | 194.300 | -2.506 | 199.300 | -2.455 | 204.300 | -2.524 |
| 209.290 | -2.744 | 214.290 | -2.923 | 219.280 | -2.992 | 224.280 | -2.941 |
| 229.280 | -2.901 | 234.270 | -3.000 | 239.270 | -3.059 | 244.270 | -3.078 |
| 249.260 | -3.138 | 254.260 | -3.097 | 259.250 | -3.136 | 264.250 | -3.125 |
| 269.250 | -3.065 | 274.240 | -3.114 | 279.240 | -2.963 | 284.230 | -2.852 |
| 289.230 | -2.842 | 294.230 | -2.861 | 299.220 | -2.830 | 304.220 | -2.859 |
| 309.210 | -2.949 | 314.210 | -2.808 | 319.210 | -2.577 | 324.200 | -2.326 |
| 329.200 | -2.166 | 334.190 | -2.035 | 339.190 | -2.004 | 344.190 | -2.073 |
| 349.180 | -2.203 | 354.180 | -2.262 | 359.180 | -2.181 | 364.170 | -2.240 |
| 368.670 | -1.350 | 368.670 | -1.350 | 369.170 | -1.100 | 373.380 | -0.849 |
| 373.380 | -0.849 | 373.380 | 0.401 | 372.860 | 0.401 | 372.860 | 0.701 |
| 372.860 | 0.977 | 373.570 | 0.977 | 373.570 | 0.977 | 375.420 | 1.057 |
| 375.420 | 1.057 | 376.110 | 1.087 | 376.110 | 1.267 | 376.520 | 1.267 |
| 376.520 | 1.457 | 376.920 | 1.457 | 376.920 | 1.657 | 377.320 | 1.657 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 377.320 | 1.847 | 377.620 | 1.847 | 377.620 | 2.007 | 378.000 | 2.007 |
| 378.000 | 2.197 | 378.360 | 2.197 | 378.360 | 2.387 | 379.550 | 2.427 |
| 379.590 | 2.457 | 379.590 | 2.564 | 379.590 | 2.471 | 389.740 | 2.471 |
| 402.150 | 2.511 | 412.140 | 2.561 | 421.460 | 2.591 | 431.460 | 2.641 |
| 433.560 | 3.711 | 433.560 | 3.714 | 434.120 | 3.754 | 435.190 | 4.014 |
| 439.090 | 4.514 | 444.400 | 7.124 | 444.400 | 7.124 | 445.190 | 7.564 |
| 445.190 | 7.564 | 445.190 | 7.870 | 445.190 | 7.560 | 445.190 | 7.560 |
| 446.160 | 8.050 | 446.160 | 8.050 | 447.050 | 8.580 | 447.470 | 8.780 |
| 447.720 | 8.790 | 451.230 | 8.860 | 454.800 | 8.800 | 454.800 | 8.798 |
| 454.870 | 8.800 | 455.050 | 8.790 | 459.040 | 6.870 | 460.160 | 6.780 |
| 460.270 | 6.390 | 460.270 | 6.390 | 463.490 | 6.280 | 463.950 | 6.272 |
| 464.110 | 6.253 | 470.930 | 2.853 | 475.450 | 2.626 | 477.490 | 1.805 |
| 482.320 | 1.605 | 482.320 | 1.305 | 482.630 | 1.305 | 482.630 | 1.605 |
| 483.000 | 1.545 | 483.000 | 1.694 | 483.000 | 1.545 | 483.500 | 1.275 |
| 483.940 | 1.015 | 493.460 | 0.825 | 501.300 | 0.845 | 505.140 | 0.775 |
| 506.410 | 0.295 | 508.410 | -0.165 | 509.080 | -0.515 | 516.020 | -0.535 |
| 521.350 | -0.525 | | | | | | |
| 17.6km | 0.000 | | | | 166 | 29 100 | 8 122 |
| 0.000 | 8.964 | 0.000 | 8.664 | 0.000 | 8.664 | 1.300 | 9.304 |
| 1.590 | 9.384 | 4.350 | 9.404 | 7.690 | 9.374 | 8.800 | 8.794 |
| 14.400 | 8.244 | 18.020 | 6.354 | 23.750 | 5.944 | 27.040 | 5.274 |
| 36.840 | 4.747 | 45.000 | 4.717 | 49.700 | 3.847 | 54.610 | 2.847 |
| 60.090 | 2.304 | 63.620 | 0.828 | 68.910 | 0.598 | 73.650 | 0.568 |
| 78.020 | 1.168 | 81.540 | 1.248 | 83.220 | 1.608 | 86.310 | 1.518 |
| 93.040 | 0.598 | 100.400 | 0.638 | 107.150 | 0.288 | 110.140 | 1.028 |
| 110.920 | 1.048 | 110.920 | 1.127 | 110.920 | 1.038 | 113.120 | 0.730 |
| 115.910 | 0.530 | 120.910 | 0.270 | 125.900 | 0.010 | 130.890 | -0.289 |
| 135.890 | -0.649 | 140.880 | -0.669 | 145.870 | -0.709 | 150.870 | -1.369 |
| 155.860 | -1.428 | 160.860 | -1.388 | 165.850 | -1.568 | 170.840 | -1.718 |
| 175.840 | -2.068 | 180.830 | -2.288 | 185.820 | -2.667 | 190.820 | -2.617 |
| 195.810 | -2.667 | 200.800 | -2.827 | 205.800 | -2.967 | 210.790 | -2.887 |
| 215.780 | -3.046 | 220.780 | -3.216 | 225.770 | -3.316 | 230.760 | -3.246 |
| 235.760 | -3.336 | 240.750 | -3.565 | 245.740 | -3.485 | 250.740 | -3.625 |
| 255.730 | -3.665 | 260.730 | -3.645 | 265.720 | -3.745 | 270.710 | -3.814 |
| 275.710 | -3.764 | 280.700 | -3.574 | 285.690 | -3.564 | 290.690 | -3.664 |
| 295.680 | -3.744 | 300.670 | -3.623 | 305.670 | -3.643 | 310.660 | -3.543 |
| 315.650 | -3.413 | 320.650 | -3.313 | 325.640 | -3.262 | 330.630 | -3.352 |
| 335.630 | -3.512 | 340.620 | -3.362 | 345.610 | -3.352 | 350.610 | -3.402 |
| 355.600 | -3.611 | 360.600 | -1.261 | 361.090 | -1.161 | 361.690 | -1.061 |
| 361.690 | -1.061 | 365.590 | -0.411 | 366.770 | -0.521 | 366.770 | -0.521 |
| 366.770 | 0.539 | 366.190 | 0.539 | 366.190 | 0.739 | 366.190 | 1.042 |
| 366.940 | 1.042 | 366.940 | 1.042 | 368.780 | 1.112 | 368.780 | 1.112 |
| 369.080 | 1.112 | 371.730 | 2.412 | 372.930 | 2.472 | 373.080 | 2.502 |
| 373.080 | 2.624 | 373.080 | 2.497 | 382.790 | 2.517 | 387.260 | 2.547 |
| 396.830 | 2.607 | 405.980 | 2.637 | 414.500 | 2.717 | 416.950 | 3.948 |
| 416.950 | 3.944 | 418.080 | 4.074 | 418.850 | 4.274 | 422.720 | 4.674 |
| 427.760 | 7.214 | 427.760 | 7.214 | 428.660 | 7.674 | 428.660 | 7.674 |
| 428.660 | 7.976 | 428.660 | 7.678 | 428.660 | 7.678 | 429.560 | 8.118 |
| 429.560 | 8.118 | 430.590 | 8.668 | 430.870 | 8.838 | 431.060 | 8.858 |
| 434.690 | 8.908 | 438.250 | 8.868 | 438.250 | 8.866 | 438.300 | 8.868 |
| 438.480 | 8.858 | 442.260 | 6.838 | 443.320 | 6.808 | 443.440 | 6.378 |
| 443.440 | 6.378 | 446.630 | 6.318 | 447.070 | 6.307 | 447.490 | 6.218 |
| 450.900 | 4.478 | 451.550 | 4.458 | 452.060 | 3.578 | 455.060 | 3.468 |
| 455.350 | 3.398 | 455.350 | 3.098 | 455.650 | 3.098 | 455.650 | 3.398 |
| 455.790 | 3.408 | 455.790 | 3.436 | 455.790 | 3.408 | 456.280 | 3.608 |
| 457.500 | 3.648 | 461.990 | 3.598 | 467.540 | 3.556 | 468.880 | 3.536 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 468.880 | 3.537 | 468.880 | 3.536 | 469.250 | 3.206 | 472.590 | 2.306 |
| 474.880 | 2.046 | 474.950 | 1.826 | 476.070 | 1.776 | 487.200 | 1.128 |
| 492.110 | 0.968 | 497.900 | 0.918 | 501.280 | 0.708 | 507.480 | 0.618 |
| 507.480 | 0.618 | 507.480 | 0.616 | | | | |
| 17.8km | 0.000 | | | | 169 | 39 116 | 7 137 |
| 0.000 | 9.307 | 0.000 | 9.019 | 0.000 | 9.019 | 1.370 | 9.629 |
| 1.950 | 9.709 | 4.640 | 9.709 | 7.920 | 9.649 | 14.000 | 7.649 |
| 20.000 | 5.964 | 27.570 | 4.703 | 30.820 | 4.863 | 35.150 | 4.853 |
| 44.620 | 3.483 | 53.050 | 3.303 | 60.420 | 2.983 | 69.460 | 2.253 |
| 76.920 | 1.582 | 87.610 | 1.360 | 94.840 | 0.950 | 96.620 | 0.470 |
| 99.260 | 0.720 | 105.720 | 0.970 | 109.410 | 1.300 | 113.520 | 1.380 |
| 114.600 | 0.510 | 115.120 | 0.310 | 115.970 | 0.170 | 118.080 | 0.060 |
| 120.210 | 0.310 | 121.720 | 1.110 | 126.910 | 1.280 | 131.180 | 1.900 |
| 133.710 | 1.920 | 136.830 | 2.640 | 143.170 | 2.730 | 147.380 | 2.700 |
| 147.380 | 2.825 | 147.380 | 2.691 | 148.380 | 2.691 | 149.080 | 1.011 |
| 152.370 | 0.291 | 154.170 | -0.090 | 157.360 | -0.711 | 162.350 | -1.792 |
| 167.340 | -1.813 | 172.330 | -2.284 | 177.320 | -2.415 | 182.320 | -2.646 |
| 187.310 | -2.877 | 192.300 | -2.898 | 197.290 | -3.179 | 202.280 | -3.290 |
| 207.270 | -3.201 | 212.260 | -3.302 | 217.250 | -3.383 | 222.240 | -3.424 |
| 227.230 | -3.386 | 232.220 | -3.527 | 237.210 | -3.618 | 242.210 | -3.609 |
| 247.200 | -3.790 | 252.190 | -3.711 | 257.180 | -3.732 | 262.170 | -3.763 |
| 267.160 | -3.634 | 272.150 | -3.615 | 277.140 | -3.596 | 282.130 | -3.587 |
| 287.120 | -3.428 | 292.110 | -3.329 | 297.100 | -3.400 | 302.100 | -3.201 |
| 307.090 | -2.962 | 312.080 | -2.623 | 317.070 | -2.525 | 322.060 | -2.576 |
| 327.050 | -2.707 | 332.040 | -2.758 | 337.030 | -2.889 | 342.020 | -2.830 |
| 347.010 | -2.731 | 352.000 | -2.812 | 356.990 | -3.063 | 361.990 | -3.084 |
| 366.980 | -2.835 | 367.230 | -2.985 | 368.970 | -2.285 | 370.470 | -1.686 |
| 370.470 | -1.686 | 371.970 | -1.076 | 375.640 | -0.267 | 375.640 | -0.267 |
| 375.640 | -0.137 | 375.640 | 0.523 | 375.120 | 0.523 | 375.120 | 1.013 |
| 375.790 | 1.013 | 375.790 | 1.013 | 377.610 | 1.063 | 377.610 | 1.063 |
| 378.280 | 1.113 | 378.280 | 1.283 | 378.670 | 1.283 | 378.670 | 1.463 |
| 379.040 | 1.463 | 379.040 | 1.663 | 379.470 | 1.663 | 379.470 | 1.853 |
| 379.790 | 1.853 | 379.790 | 2.003 | 380.160 | 2.003 | 380.160 | 2.193 |
| 380.540 | 2.193 | 380.540 | 2.373 | 381.750 | 2.413 | 381.950 | 2.473 |
| 381.950 | 2.625 | 381.950 | 2.459 | 391.730 | 2.499 | 400.560 | 2.479 |
| 408.050 | 2.559 | 414.360 | 2.589 | 423.560 | 2.619 | 429.740 | 2.699 |
| 431.900 | 3.868 | 433.160 | 4.083 | 437.040 | 4.573 | 442.690 | 7.523 |
| 442.690 | 7.523 | 443.560 | 8.073 | 443.560 | 8.073 | 443.560 | 8.345 |
| 443.560 | 8.069 | 443.560 | 8.069 | 444.430 | 8.539 | 444.890 | 8.709 |
| 445.240 | 8.749 | 448.870 | 8.799 | 452.360 | 8.749 | 452.360 | 8.750 |
| 452.480 | 8.749 | 452.860 | 8.659 | 456.090 | 7.019 | 457.480 | 6.959 |
| 457.670 | 6.379 | 457.670 | 6.379 | 460.890 | 6.289 | 461.310 | 6.265 |
| 462.150 | 5.950 | 468.320 | 2.760 | 472.810 | 2.564 | 475.480 | 1.502 |
| 484.000 | 1.032 | 484.000 | 1.128 | 484.070 | 1.026 | 484.220 | 1.026 |
| 484.220 | 0.906 | 485.820 | 0.816 | 489.040 | -0.784 | 490.460 | -1.424 |
| 492.460 | -1.434 | 493.220 | -1.704 | 495.060 | -2.744 | 500.560 | -2.664 |
| 506.560 | -2.484 | 511.560 | -2.324 | 515.260 | -2.464 | 519.560 | -2.954 |
| 519.560 | -0.784 | | | | | | |
| 18.0km | 0.000 | | | | 181 | 27 102 | 8 125 |
| 0.000 | 9.245 | 0.000 | 8.964 | 0.000 | 8.964 | 1.300 | 9.594 |
| 1.860 | 9.694 | 4.660 | 9.714 | 7.470 | 9.694 | 9.950 | 9.504 |
| 13.500 | 7.464 | 16.150 | 7.034 | 19.090 | 5.984 | 20.950 | 5.630 |
| 24.800 | 3.620 | 28.660 | 3.700 | 38.010 | 4.250 | 44.350 | 4.740 |
| 47.730 | 4.670 | 57.250 | 2.376 | 61.350 | 0.542 | 63.780 | 0.562 |
| 66.060 | 0.952 | 73.850 | 0.922 | 82.660 | 1.402 | 90.590 | 1.722 |
| 90.590 | 1.799 | 90.590 | 1.722 | 91.390 | 1.632 | 92.640 | 0.872 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 95.580 | 0.492 | 100.570 | 0.022 | 104.060 | -0.184 | 105.560 | -0.284 |
| 110.550 | -0.605 | 115.540 | -0.835 | 120.530 | -1.706 | 125.520 | -2.087 |
| 130.510 | -2.488 | 135.500 | -2.688 | 140.490 | -3.029 | 145.480 | -3.390 |
| 150.470 | -3.390 | 155.470 | -3.541 | 160.460 | -3.552 | 165.450 | -3.473 |
| 170.440 | -3.333 | 175.430 | -3.244 | 180.420 | -3.115 | 185.410 | -2.915 |
| 190.400 | -2.746 | 195.390 | -2.647 | 200.380 | -2.518 | 205.370 | -2.398 |
| 210.360 | -2.399 | 215.350 | -2.420 | 220.340 | -2.550 | 225.330 | -2.621 |
| 230.320 | -2.682 | 235.310 | -2.613 | 240.300 | -2.653 | 245.290 | -2.694 |
| 250.280 | -2.705 | 255.270 | -2.805 | 260.260 | -2.886 | 265.250 | -2.847 |
| 270.240 | -2.908 | 275.240 | -2.988 | 280.230 | -3.069 | 285.220 | -2.990 |
| 290.210 | -2.920 | 295.200 | -2.971 | 300.190 | -2.992 | 305.180 | -2.893 |
| 310.170 | -2.963 | 315.160 | -2.974 | 320.150 | -2.935 | 325.140 | -3.096 |
| 330.130 | -3.126 | 335.120 | -3.257 | 340.110 | -3.188 | 345.100 | -3.118 |
| 350.090 | -3.079 | 355.080 | -3.040 | 360.070 | -3.321 | 361.370 | -3.421 |
| 363.570 | -2.521 | 365.060 | -1.651 | 365.060 | -1.651 | 370.050 | -0.772 |
| 371.050 | -0.672 | 371.050 | -0.672 | 371.050 | -0.222 | 371.050 | 0.502 |
| 370.500 | 0.502 | 370.500 | 1.012 | 371.220 | 1.012 | 371.220 | 1.012 |
| 373.050 | 1.082 | 373.050 | 1.082 | 373.330 | 1.082 | 375.980 | 2.392 |
| 377.190 | 2.452 | 377.340 | 2.482 | 377.340 | 2.636 | 377.340 | 2.490 |
| 387.290 | 2.550 | 395.960 | 2.540 | 403.910 | 2.590 | 411.190 | 2.610 |
| 419.320 | 2.660 | 427.450 | 2.680 | 430.120 | 4.036 | 430.390 | 4.076 |
| 431.220 | 4.516 | 431.330 | 4.226 | 437.880 | 4.866 | 441.230 | 6.506 |
| 443.670 | 7.746 | 444.430 | 8.146 | 444.430 | 8.146 | 444.430 | 8.443 |
| 444.430 | 8.150 | 444.430 | 8.150 | 445.290 | 8.550 | 445.790 | 8.760 |
| 445.910 | 8.780 | 449.530 | 8.810 | 452.970 | 8.760 | 452.970 | 8.757 |
| 453.140 | 8.760 | 453.430 | 8.630 | 456.710 | 7.020 | 457.930 | 6.960 |
| 458.150 | 6.410 | 458.150 | 6.410 | 461.350 | 6.340 | 461.820 | 6.321 |
| 462.630 | 5.975 | 467.460 | 3.505 | 467.820 | 3.475 | 468.240 | 2.645 |
| 468.240 | 2.645 | 474.830 | 2.615 | 478.890 | 2.525 | 479.340 | 2.535 |
| 483.770 | 0.868 | 484.210 | 0.848 | 484.810 | -0.242 | 484.810 | -0.242 |
| 488.930 | -0.312 | 488.930 | -0.312 | 489.430 | -0.322 | 489.650 | -0.772 |
| 489.650 | -0.872 | 489.690 | -0.872 | 489.800 | -1.152 | 490.030 | -1.152 |
| 490.030 | -0.852 | 490.070 | -0.852 | 490.070 | -0.752 | 490.120 | -0.752 |
| 490.120 | -0.652 | 490.430 | -0.652 | 490.430 | -0.742 | 490.610 | -0.952 |
| 490.660 | -1.022 | 490.970 | -1.022 | 490.970 | -2.112 | 491.810 | -2.112 |
| 491.810 | -1.022 | 492.100 | -1.022 | 492.160 | -0.952 | 492.330 | -0.742 |
| 492.330 | -0.652 | 492.720 | -0.372 | 493.080 | -0.372 | 493.450 | -0.642 |
| 493.450 | -0.483 | 493.450 | -0.642 | 504.500 | -0.602 | 514.540 | -0.622 |
| 519.430 | -0.632 | | | | | | |
| 18.2km | 0.000 | | | | 197 | 28.114 | 7.137 |
| 0.000 | 8.392 | 0.000 | 8.119 | 0.000 | 8.119 | 0.970 | 8.439 |
| 1.260 | 8.759 | 3.640 | 8.799 | 6.080 | 8.779 | 10.350 | 6.919 |
| 12.790 | 6.789 | 16.470 | 6.699 | 19.400 | 6.289 | 22.430 | 5.239 |
| 29.630 | 4.211 | 35.110 | 3.085 | 41.010 | 2.775 | 49.580 | 3.165 |
| 58.920 | 3.105 | 66.410 | 2.975 | 72.620 | 3.105 | 74.390 | 2.495 |
| 76.680 | 1.475 | 77.940 | 1.245 | 77.940 | 1.343 | 77.940 | 1.254 |
| 82.940 | 1.084 | 87.930 | 0.854 | 92.930 | 0.594 | 95.730 | 0.594 |
| 96.230 | 0.374 | 97.920 | 0.123 | 101.370 | -0.254 | 102.920 | -0.424 |
| 107.920 | -0.955 | 112.910 | -2.355 | 117.910 | -2.456 | 122.910 | -2.707 |
| 127.900 | -2.807 | 132.900 | -2.818 | 137.890 | -2.759 | 142.890 | -2.749 |
| 147.890 | -2.740 | 152.880 | -2.661 | 157.880 | -2.612 | 162.880 | -2.482 |
| 167.870 | -2.313 | 172.870 | -2.144 | 177.860 | -1.314 | 182.860 | -0.985 |
| 187.860 | -0.866 | 192.850 | -0.887 | 197.850 | -0.967 | 202.850 | -1.068 |
| 207.840 | -1.119 | 212.840 | -1.229 | 217.830 | -1.370 | 222.830 | -1.471 |
| 227.830 | -1.581 | 232.820 | -1.772 | 237.820 | -2.013 | 242.820 | -2.174 |
| 247.810 | -2.294 | 252.810 | -2.585 | 257.800 | -2.776 | 262.800 | -3.066 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 267.800 | -3.157 | 272.790 | -3.198 | 277.790 | -3.318 | 282.790 | -3.469 |
| 287.780 | -3.680 | 292.780 | -3.751 | 297.770 | -3.781 | 302.770 | -3.802 |
| 307.770 | -3.933 | 312.760 | -4.013 | 317.760 | -4.064 | 322.760 | -4.165 |
| 327.750 | -4.166 | 332.750 | -4.286 | 337.740 | -4.267 | 342.740 | -4.378 |
| 347.740 | -4.538 | 352.730 | -4.789 | 353.130 | -4.889 | 357.130 | -2.770 |
| 357.730 | -2.490 | 360.330 | -1.240 | 360.330 | -1.240 | 362.730 | -0.890 |
| 365.540 | -0.391 | 365.540 | -0.391 | 365.540 | -0.291 | 365.540 | 0.523 |
| 365.020 | 0.523 | 365.020 | 1.023 | 365.720 | 1.023 | 365.720 | 1.023 |
| 367.570 | 1.063 | 367.570 | 1.063 | 368.250 | 1.093 | 368.250 | 1.253 |
| 368.650 | 1.253 | 368.650 | 1.453 | 369.050 | 1.453 | 369.050 | 1.653 |
| 369.450 | 1.653 | 369.450 | 1.843 | 369.770 | 1.843 | 369.770 | 2.003 |
| 370.170 | 2.003 | 370.170 | 2.203 | 370.520 | 2.203 | 370.520 | 2.373 |
| 371.700 | 2.423 | 371.870 | 2.483 | 371.870 | 2.633 | 371.870 | 2.478 |
| 381.770 | 2.508 | 390.660 | 2.548 | 400.650 | 2.578 | 409.850 | 2.618 |
| 419.080 | 2.678 | 426.540 | 2.758 | 429.160 | 4.040 | 429.160 | 4.039 |
| 430.260 | 4.189 | 435.360 | 4.759 | 443.480 | 5.489 | 445.640 | 6.519 |
| 448.160 | 7.739 | 449.080 | 8.169 | 449.080 | 8.169 | 449.080 | 8.441 |
| 449.080 | 8.170 | 449.080 | 8.170 | 449.860 | 8.550 | 450.250 | 8.800 |
| 450.390 | 8.820 | 454.000 | 8.850 | 457.510 | 8.810 | 457.510 | 8.806 |
| 457.630 | 8.800 | 458.130 | 8.580 | 461.080 | 7.060 | 462.360 | 6.990 |
| 462.550 | 6.440 | 462.550 | 6.440 | 465.740 | 6.370 | 466.200 | 6.357 |
| 466.280 | 6.328 | 472.000 | 3.488 | 472.470 | 3.448 | 473.150 | 2.248 |
| 473.150 | 2.248 | 477.040 | 2.168 | 477.560 | 2.126 | 481.380 | 0.616 |
| 483.650 | 0.536 | 484.080 | -0.354 | 484.080 | -0.354 | 484.080 | -0.454 |
| 484.120 | -0.454 | 484.230 | -0.734 | 484.460 | -0.734 | 484.460 | -0.454 |
| 484.500 | -0.454 | 484.500 | -0.344 | 484.550 | -0.344 | 484.630 | -0.244 |
| 484.630 | -0.126 | 484.630 | -0.244 | 487.110 | -0.244 | 490.340 | -0.234 |
| 495.800 | 0.066 | 496.020 | 0.926 | 496.020 | 0.926 | 498.610 | 0.982 |
| 501.320 | 1.002 | 506.500 | 1.002 | 508.810 | -0.568 | 513.190 | -0.578 |
| 514.520 | 0.312 | 520.060 | -0.048 | 523.460 | -0.108 | 523.560 | -0.108 |
| 523.560 | -0.208 | 523.610 | -0.208 | 523.610 | -0.458 | 523.920 | -0.458 |
| 523.920 | -0.208 | 523.970 | -0.208 | 523.970 | -0.108 | 524.060 | -0.108 |
| 524.060 | -0.108 | 526.080 | -0.038 | 528.520 | -0.078 | 528.520 | -0.078 |
| 528.520 | -0.078 | | | | | | |
| 18.4km | 0.000 | | | | 171 | 45 106 | 7 130 |
| 0.000 | 8.717 | 0.000 | 8.421 | 0.000 | 8.421 | 0.850 | 8.841 |
| 1.360 | 9.231 | 3.630 | 9.261 | 6.570 | 9.241 | 12.380 | 6.181 |
| 13.500 | 6.171 | 15.650 | 6.931 | 25.020 | 6.221 | 27.450 | 4.997 |
| 31.450 | 4.177 | 40.010 | 3.817 | 50.000 | 3.637 | 58.290 | 3.467 |
| 61.400 | 2.697 | 67.610 | 2.317 | 69.610 | 0.967 | 70.820 | 0.207 |
| 72.700 | -0.902 | 74.500 | -0.762 | 79.000 | -0.581 | 83.500 | -0.589 |
| 87.600 | 0.012 | 89.000 | -0.047 | 92.000 | -0.687 | 94.000 | -1.536 |
| 97.500 | -1.675 | 101.000 | -0.674 | 102.500 | -0.303 | 103.600 | 0.217 |
| 105.240 | 1.457 | 110.000 | 1.490 | 111.780 | 0.955 | 116.130 | 1.525 |
| 122.620 | 1.545 | 128.010 | 1.535 | 133.420 | 0.855 | 140.100 | 0.705 |
| 148.830 | 1.165 | 152.910 | 1.625 | 156.420 | 2.335 | 161.740 | 2.685 |
| 166.280 | 2.545 | 166.280 | 2.700 | 166.280 | 2.582 | 166.680 | 2.362 |
| 167.180 | 0.752 | 171.270 | 0.142 | 175.160 | -0.325 | 176.260 | -0.675 |
| 181.250 | -1.745 | 186.240 | -2.425 | 191.230 | -2.975 | 196.220 | -3.075 |
| 201.210 | -3.325 | 206.190 | -3.485 | 211.180 | -3.595 | 216.170 | -3.645 |
| 221.160 | -3.565 | 226.150 | -3.665 | 231.140 | -3.775 | 236.130 | -3.875 |
| 241.120 | -3.955 | 246.110 | -3.965 | 251.100 | -3.985 | 256.090 | -4.015 |
| 261.080 | -4.075 | 266.070 | -4.075 | 271.060 | -3.965 | 276.050 | -3.884 |
| 281.030 | -4.004 | 286.020 | -3.924 | 291.010 | -3.974 | 296.000 | -3.974 |
| 300.990 | -3.924 | 305.980 | -4.054 | 310.970 | -3.994 | 315.960 | -4.074 |
| 320.950 | -4.014 | 325.940 | -4.224 | 330.930 | -4.344 | 335.920 | -4.444 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 340.910 | -4.414 | 345.900 | -4.414 | 350.890 | -4.424 | 355.870 | -4.624 |
| 360.070 | -4.724 | 360.860 | -4.404 | 363.060 | -2.724 | 365.850 | -0.874 |
| 365.850 | -0.874 | 370.840 | -0.354 | 370.960 | -0.354 | 370.960 | -0.354 |
| 370.960 | -0.324 | 370.960 | 0.516 | 370.460 | 0.516 | 370.460 | 1.046 |
| 371.210 | 1.046 | 371.210 | 1.046 | 373.350 | 1.076 | 375.930 | 2.436 |
| 377.130 | 2.486 | 377.330 | 2.546 | 377.330 | 2.657 | 377.330 | 2.527 |
| 387.730 | 2.567 | 398.300 | 2.617 | 406.230 | 2.657 | 414.560 | 2.657 |
| 423.240 | 2.687 | 432.830 | 2.757 | 442.850 | 2.826 | 452.450 | 2.873 |
| 455.700 | 4.560 | 455.700 | 4.556 | 456.860 | 4.686 | 462.370 | 5.366 |
| 464.730 | 6.496 | 467.220 | 7.726 | 468.140 | 8.186 | 468.140 | 8.186 |
| 468.140 | 8.525 | 468.140 | 8.189 | 468.140 | 8.189 | 469.060 | 8.639 |
| 469.380 | 8.749 | 469.690 | 8.819 | 472.900 | 8.839 | 474.040 | 9.039 |
| 477.590 | 9.099 | 481.220 | 9.059 | 481.430 | 9.009 | 481.430 | 9.094 |
| 485.140 | 7.079 | 486.150 | 7.009 | 486.300 | 6.599 | 486.300 | 6.599 |
| 489.520 | 6.549 | 489.960 | 6.539 | 490.060 | 6.529 | 492.330 | 5.329 |
| 492.940 | 5.232 | 493.710 | 3.810 | 493.710 | 3.810 | 497.580 | 3.690 |
| 499.540 | 3.320 | 499.540 | 3.320 | 499.540 | 2.870 | 499.990 | 2.870 |
| 499.990 | 3.320 | 500.140 | 3.330 | 500.140 | 3.326 | 500.140 | 3.330 |
| 500.210 | 3.330 | 500.210 | 3.330 | 507.340 | 3.270 | 516.020 | 3.170 |
| 521.270 | 3.180 | 523.190 | 3.240 | 523.190 | 3.240 | 538.190 | 3.339 |
| 538.190 | 3.339 | 539.140 | 3.259 | 539.140 | 3.259 | 539.260 | 2.769 |
| 543.560 | 2.699 | 544.610 | 2.569 | 544.610 | 2.566 | | |
| 18.6km | 0.000 | | | | 190 | 32 105 | 7 128 |
| 0.000 | 9.291 | 0.000 | 8.999 | 0.000 | 8.999 | 0.880 | 9.379 |
| 1.340 | 9.709 | 3.900 | 9.699 | 6.490 | 9.659 | 15.000 | 5.865 |
| 20.020 | 3.734 | 30.000 | 3.104 | 31.850 | 2.634 | 37.180 | 2.574 |
| 43.930 | 0.663 | 49.080 | 0.493 | 56.310 | 0.833 | 65.250 | 0.743 |
| 74.230 | 0.863 | 81.700 | 1.133 | 90.000 | 0.793 | 97.900 | 1.073 |
| 104.970 | 1.613 | 115.000 | 1.653 | 116.400 | 0.503 | 116.750 | 0.033 |
| 118.050 | -0.097 | 118.730 | 0.503 | 120.250 | 1.865 | 126.390 | 2.166 |
| 132.680 | 2.596 | 138.380 | 2.926 | 141.250 | 3.586 | 146.360 | 3.856 |
| 146.360 | 3.959 | 146.360 | 3.876 | 147.060 | 3.836 | 149.610 | 0.706 |
| 151.360 | 0.397 | 156.350 | -0.283 | 156.600 | -0.349 | 161.350 | -1.468 |
| 166.350 | -2.747 | 171.340 | -3.846 | 176.340 | -3.665 | 181.340 | -2.894 |
| 186.330 | -2.343 | 191.330 | -2.442 | 196.330 | -3.741 | 201.320 | -4.090 |
| 206.320 | -4.339 | 211.320 | -4.598 | 216.310 | -4.888 | 221.310 | -4.937 |
| 226.310 | -4.936 | 231.300 | -4.885 | 236.300 | -4.934 | 241.300 | -4.943 |
| 246.290 | -4.852 | 251.290 | -4.881 | 256.290 | -4.880 | 261.280 | -4.999 |
| 266.280 | -4.638 | 271.280 | -4.577 | 276.270 | -4.387 | 281.270 | -4.176 |
| 286.270 | -3.915 | 291.260 | -4.024 | 296.260 | -3.793 | 301.260 | -3.472 |
| 306.250 | -3.461 | 311.250 | -3.420 | 316.250 | -3.219 | 321.240 | -3.008 |
| 326.240 | -2.877 | 331.240 | -2.826 | 336.230 | -2.766 | 341.230 | -2.515 |
| 346.230 | -2.354 | 351.220 | -2.393 | 356.220 | -2.392 | 361.220 | -2.531 |
| 366.210 | -2.580 | 371.210 | -2.619 | 376.210 | -2.758 | 381.200 | -2.957 |
| 386.200 | -3.096 | 388.800 | -2.106 | 390.100 | -1.206 | 390.100 | -1.206 |
| 391.200 | -0.655 | 393.640 | -0.305 | 394.970 | -0.102 | 394.970 | -0.102 |
| 394.970 | 0.608 | 394.470 | 0.608 | 394.470 | 1.108 | 395.190 | 1.108 |
| 395.190 | 1.108 | 397.320 | 1.149 | 399.940 | 2.469 | 400.340 | 2.499 |
| 400.340 | 2.499 | 400.340 | 2.518 | 400.340 | 2.503 | 400.340 | 2.503 |
| 400.890 | 2.533 | 411.300 | 2.633 | 417.200 | 2.643 | 426.250 | 2.663 |
| 436.910 | 2.683 | 447.100 | 2.743 | 456.940 | 2.783 | 466.380 | 2.863 |
| 474.800 | 2.937 | 477.510 | 4.328 | 477.510 | 4.328 | 478.170 | 4.416 |
| 478.800 | 4.567 | 482.870 | 4.957 | 489.020 | 7.907 | 489.020 | 7.907 |
| 489.940 | 8.367 | 489.940 | 8.367 | 489.940 | 8.662 | 489.940 | 8.368 |
| 489.940 | 8.368 | 490.840 | 8.808 | 491.150 | 9.048 | 491.360 | 9.088 |
| 494.990 | 9.138 | 498.610 | 9.078 | 498.850 | 9.058 | 498.850 | 9.153 |

S59横断データ (-0.6~56.2). dat

| | | | | | | | |
|---------|--------|---------|--------|---------|--------|---------|--------|
| 502.470 | 7.128 | 503.520 | 7.028 | 503.640 | 6.588 | 503.640 | 6.588 |
| 506.790 | 6.548 | 507.200 | 6.538 | 507.430 | 6.485 | 512.120 | 4.218 |
| 512.640 | 4.118 | 513.340 | 2.708 | 513.340 | 2.708 | 517.150 | 2.648 |
| 517.740 | 2.626 | 521.340 | 1.100 | 522.540 | 1.040 | 522.540 | 0.590 |
| 522.990 | 0.590 | 522.990 | 1.040 | 523.190 | 1.030 | 523.190 | 1.154 |
| 523.190 | 1.030 | 523.720 | 1.240 | 525.230 | 1.300 | 547.490 | 1.415 |
| 548.540 | 1.415 | 548.890 | 0.265 | 550.340 | 0.395 | 555.440 | 0.435 |
| 556.440 | 0.285 | 556.840 | 0.255 | 557.230 | 0.255 | 557.260 | 0.095 |
| 557.610 | 0.115 | 557.710 | 0.115 | 557.710 | 0.015 | 557.770 | 0.015 |
| 557.770 | -0.285 | 558.060 | -0.285 | 558.060 | 0.015 | 558.110 | 0.015 |
| 558.110 | 0.115 | 558.210 | 0.115 | 558.210 | 0.115 | 560.340 | 0.155 |
| 562.050 | 0.155 | 562.050 | 0.151 | 563.040 | 0.145 | 563.360 | 0.065 |
| 563.540 | -0.155 | 564.000 | -0.145 | 564.000 | -0.145 | 564.480 | -0.905 |
| 565.260 | -2.205 | 565.260 | -2.205 | 567.260 | -2.205 | 567.260 | -2.205 |
| 568.040 | -0.905 | 568.040 | -0.905 | | | | |
| 18.8km | 0.000 | | | | 191 | 25 85 | 7 142 |
| 0.000 | 9.177 | 0.000 | 8.876 | 0.000 | 8.876 | 1.240 | 9.336 |
| 1.770 | 9.636 | 4.260 | 9.626 | 6.810 | 9.596 | 15.000 | 5.871 |
| 19.450 | 3.957 | 27.310 | 3.717 | 33.610 | 3.687 | 38.500 | 3.477 |
| 44.260 | 1.446 | 51.300 | 1.051 | 60.150 | 1.111 | 66.510 | 1.221 |
| 75.830 | 1.401 | 84.550 | 1.561 | 92.560 | 0.921 | 99.200 | 1.291 |
| 109.120 | 1.391 | 119.900 | 1.901 | 119.900 | 1.977 | 119.900 | 1.882 |
| 120.300 | 1.832 | 122.300 | 0.322 | 124.450 | 0.102 | 124.900 | 0.042 |
| 129.890 | -0.507 | 134.890 | -1.426 | 139.890 | -2.545 | 144.890 | -2.193 |
| 149.880 | -1.742 | 154.880 | -3.471 | 159.880 | -4.840 | 164.880 | -5.339 |
| 169.870 | -4.538 | 174.870 | -3.437 | 179.870 | -3.966 | 184.870 | -5.134 |
| 189.860 | -6.283 | 194.860 | -6.362 | 199.860 | -6.001 | 204.860 | -5.630 |
| 209.850 | -5.229 | 214.850 | -4.828 | 219.850 | -4.637 | 224.850 | -4.425 |
| 229.840 | -4.324 | 234.840 | -4.423 | 239.840 | -4.312 | 244.840 | -4.071 |
| 249.830 | -3.830 | 254.830 | -3.629 | 259.830 | -3.318 | 264.820 | -3.126 |
| 269.820 | -2.765 | 274.820 | -2.644 | 279.820 | -2.553 | 284.810 | -2.362 |
| 289.810 | -2.341 | 294.810 | -2.340 | 299.810 | -2.329 | 304.800 | -2.517 |
| 309.800 | -2.556 | 314.800 | -2.565 | 319.800 | -2.504 | 324.790 | -2.553 |
| 329.790 | -2.452 | 334.790 | -2.511 | 339.790 | -2.450 | 344.780 | -2.518 |
| 349.780 | -2.487 | 354.780 | -2.456 | 359.780 | -2.425 | 364.770 | -2.524 |
| 369.770 | -2.593 | 374.770 | -2.242 | 379.770 | -1.141 | 384.760 | -0.339 |
| 386.660 | -0.119 | 386.660 | 0.161 | 386.660 | 0.395 | 387.460 | 0.775 |
| 391.040 | 1.225 | 391.040 | 1.358 | 391.040 | 1.228 | 392.880 | 0.978 |
| 395.790 | 0.728 | 399.360 | 0.268 | 402.820 | 0.178 | 405.020 | -0.092 |
| 409.700 | -0.142 | 409.700 | -0.142 | 409.700 | 0.598 | 409.400 | 0.598 |
| 409.400 | 1.128 | 410.100 | 1.128 | 410.100 | 1.128 | 412.280 | 1.178 |
| 414.870 | 2.458 | 415.940 | 2.508 | 416.180 | 2.698 | 416.180 | 2.595 |
| 426.330 | 2.545 | 436.280 | 2.565 | 446.370 | 2.605 | 455.800 | 2.655 |
| 463.850 | 2.675 | 472.770 | 2.745 | 481.730 | 2.895 | 486.550 | 3.002 |
| 489.670 | 4.664 | 489.670 | 4.664 | 490.550 | 4.754 | 490.990 | 4.894 |
| 495.560 | 5.354 | 498.890 | 6.954 | 499.390 | 6.944 | 499.390 | 7.204 |
| 499.730 | 7.244 | 499.730 | 7.374 | 500.070 | 7.424 | 500.070 | 7.544 |
| 500.490 | 7.564 | 500.490 | 7.744 | 500.900 | 7.774 | 500.900 | 7.944 |
| 501.300 | 7.964 | 501.300 | 8.154 | 501.400 | 8.154 | 501.400 | 8.154 |
| 501.400 | 8.158 | 501.400 | 8.157 | 501.400 | 8.157 | 501.690 | 8.167 |
| 501.690 | 8.347 | 502.120 | 8.357 | 502.120 | 8.547 | 502.520 | 8.567 |
| 502.520 | 8.747 | 502.920 | 8.757 | 502.920 | 8.937 | 503.200 | 8.947 |
| 503.200 | 9.167 | 503.390 | 9.167 | 503.390 | 9.167 | 506.980 | 9.227 |
| 510.600 | 9.187 | 510.790 | 9.167 | 510.790 | 9.215 | 514.680 | 7.267 |
| 515.570 | 7.217 | 515.700 | 6.787 | 515.700 | 6.787 | 518.940 | 6.737 |
| 519.350 | 6.707 | 519.500 | 6.718 | 523.280 | 4.852 | 524.040 | 4.802 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 524.240 | 4.372 | 524.240 | 4.372 | 528.480 | 4.232 | 528.480 | 4.232 |
| 528.480 | 3.782 | 528.930 | 3.782 | 528.930 | 4.232 | 529.080 | 4.202 |
| 529.080 | 4.329 | 529.080 | 4.203 | 529.530 | 4.343 | 533.980 | 4.393 |
| 535.170 | 4.033 | 536.680 | 3.633 | 540.030 | 1.473 | 541.400 | 1.211 |
| 544.600 | 0.257 | 546.240 | 0.027 | 546.290 | -0.843 | 546.490 | -0.843 |
| 546.540 | 0.027 | 547.010 | 0.087 | 547.350 | 0.087 | 547.780 | -0.123 |
| 555.210 | -0.133 | 556.290 | 0.527 | 558.640 | 0.547 | 561.700 | 0.407 |
| 562.820 | 0.897 | 569.500 | 0.957 | 576.400 | 0.957 | | |
| 19.0km | 0.000 | | | | 191 | 26 88 | 7 131 |
| 0.000 | 9.210 | 0.000 | 8.926 | 0.000 | 8.926 | 1.200 | 9.386 |
| 1.550 | 9.736 | 3.710 | 9.726 | 6.650 | 9.716 | 15.000 | 6.053 |
| 20.940 | 3.885 | 29.130 | 3.755 | 34.860 | 3.595 | 41.900 | 1.799 |
| 47.630 | 1.363 | 53.610 | 1.243 | 60.000 | 1.383 | 64.200 | 1.333 |
| 70.000 | 0.993 | 73.710 | 0.503 | 81.200 | 0.533 | 84.850 | 1.403 |
| 94.060 | 2.183 | 98.860 | 2.353 | 110.820 | 2.363 | 110.820 | 2.451 |
| 110.820 | 2.352 | 111.270 | 2.282 | 111.270 | 0.972 | 113.220 | 0.542 |
| 113.220 | 0.247 | 113.220 | -0.013 | 115.820 | -0.273 | 120.820 | -1.152 |
| 125.820 | -2.751 | 130.820 | -2.900 | 135.820 | -3.230 | 140.820 | -3.769 |
| 145.820 | -4.248 | 150.820 | -4.527 | 155.820 | -3.927 | 160.820 | -3.096 |
| 165.820 | -3.045 | 170.820 | -3.024 | 175.820 | -3.003 | 180.820 | -2.993 |
| 185.820 | -2.642 | 190.820 | -2.391 | 195.820 | -2.420 | 200.820 | -2.520 |
| 205.820 | -2.539 | 210.820 | -2.658 | 215.820 | -2.787 | 220.820 | -2.756 |
| 225.820 | -2.636 | 230.820 | -2.535 | 235.820 | -2.234 | 240.820 | -1.833 |
| 245.820 | -1.483 | 250.810 | -1.232 | 255.810 | -1.251 | 260.810 | -1.370 |
| 265.810 | -1.349 | 270.810 | -1.529 | 275.810 | -1.708 | 280.810 | -1.647 |
| 285.810 | -1.566 | 290.810 | -1.506 | 295.810 | -1.365 | 300.810 | -1.304 |
| 305.810 | -1.473 | 310.810 | -1.523 | 315.810 | -2.222 | 320.810 | -2.401 |
| 325.810 | -2.500 | 330.810 | -2.619 | 335.810 | -2.969 | 340.810 | -3.098 |
| 345.810 | -3.167 | 350.810 | -3.196 | 355.810 | -3.216 | 360.810 | -3.135 |
| 365.810 | -1.414 | 370.810 | -0.513 | 375.810 | -0.332 | 380.810 | -0.102 |
| 385.810 | 0.119 | 387.610 | 0.289 | 390.810 | 0.665 | 393.810 | 1.085 |
| 393.810 | 1.445 | 395.310 | 1.835 | 395.310 | 1.872 | 395.310 | 1.821 |
| 395.870 | 1.711 | 397.090 | 1.361 | 407.680 | 1.071 | 413.170 | 1.081 |
| 413.550 | 1.111 | 413.550 | 1.281 | 413.960 | 1.311 | 413.960 | 1.471 |
| 414.360 | 1.501 | 414.360 | 1.671 | 414.760 | 1.701 | 414.760 | 1.861 |
| 415.180 | 1.891 | 415.180 | 2.071 | 415.650 | 2.091 | 415.590 | 2.255 |
| 416.810 | 2.296 | 426.950 | 2.526 | 433.880 | 2.546 | 443.790 | 2.626 |
| 453.670 | 2.696 | 463.110 | 2.686 | 472.230 | 2.736 | 482.080 | 2.725 |
| 485.490 | 4.514 | 485.490 | 4.516 | 485.980 | 4.576 | 486.760 | 4.926 |
| 491.500 | 5.336 | 494.480 | 6.826 | 495.850 | 7.506 | 496.770 | 7.946 |
| 496.770 | 7.946 | 496.770 | 8.232 | 496.770 | 7.947 | 496.770 | 7.947 |
| 497.640 | 8.377 | 498.990 | 9.237 | 499.230 | 9.247 | 502.850 | 9.307 |
| 506.370 | 9.267 | 506.370 | 9.263 | 506.450 | 9.257 | 506.600 | 9.257 |
| 510.350 | 7.377 | 511.630 | 7.277 | 511.790 | 6.857 | 511.790 | 6.857 |
| 514.950 | 6.777 | 515.400 | 6.767 | 515.620 | 6.757 | 519.140 | 4.905 |
| 519.640 | 4.795 | 520.220 | 3.585 | 520.220 | 3.585 | 524.210 | 3.465 |
| 524.210 | 3.465 | 524.750 | 3.445 | 524.750 | 3.445 | 524.950 | 2.965 |
| 525.020 | 2.965 | 525.020 | 2.865 | 525.070 | 2.865 | 525.070 | 2.415 |
| 525.520 | 2.415 | 525.520 | 2.865 | 525.570 | 2.865 | 525.570 | 2.965 |
| 525.730 | 2.975 | 525.730 | 3.057 | 525.730 | 2.975 | 526.150 | 3.025 |
| 526.330 | 3.905 | 527.260 | 3.895 | 528.400 | 3.335 | 533.920 | 3.225 |
| 547.090 | 3.232 | 548.580 | 3.212 | 548.780 | 2.672 | 555.770 | 2.522 |
| 557.220 | 2.412 | 557.220 | 2.409 | 557.350 | 2.412 | 557.880 | 0.662 |
| 558.770 | 0.632 | 559.810 | -0.168 | 559.960 | -0.168 | 559.960 | -0.255 |
| 560.220 | -0.545 | 560.540 | -0.545 | 560.540 | -1.545 | 561.860 | -1.545 |
| 561.860 | -0.535 | 562.140 | -0.535 | 562.320 | -0.235 | 562.320 | -0.155 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|----|--------|
| 564.950 | -0.175 | 575.370 | 0.355 | 575.370 | 0.461 | | | |
| 19.2km | 0.000 | | | | 179 | 20 | 77 | 7 116 |
| 0.000 | 9.041 | 0.000 | 8.750 | 0.000 | 8.750 | 1.120 | | 9.240 |
| 1.650 | 9.630 | 4.140 | 9.620 | 7.050 | 9.590 | 15.000 | | 6.157 |
| 21.270 | 3.993 | 29.110 | 3.733 | 34.620 | 3.493 | 42.760 | | 1.361 |
| 51.120 | 1.231 | 61.340 | 1.271 | 70.000 | 1.271 | 80.000 | | 1.361 |
| 89.620 | 1.601 | 99.530 | 1.881 | 106.960 | 2.231 | 113.640 | | 2.721 |
| 113.640 | 2.817 | 113.640 | 2.703 | 113.990 | 2.643 | 113.990 | | 0.883 |
| 118.630 | 0.410 | 123.620 | -0.309 | 128.600 | -0.877 | 128.600 | | -1.437 |
| 133.590 | -2.836 | 138.580 | -3.404 | 143.570 | -3.133 | 148.560 | | -2.781 |
| 153.540 | -3.030 | 158.530 | -3.398 | 163.520 | -3.577 | 168.510 | | -3.125 |
| 173.500 | -2.924 | 178.480 | -3.472 | 183.470 | -3.891 | 188.460 | | -3.989 |
| 193.450 | -4.058 | 198.440 | -3.816 | 203.430 | -3.545 | 208.410 | | -3.543 |
| 213.400 | -3.442 | 218.390 | -4.260 | 223.380 | -4.039 | 228.370 | | -3.977 |
| 233.350 | -4.006 | 238.340 | -3.844 | 243.330 | -3.623 | 248.320 | | -3.531 |
| 253.310 | -3.450 | 258.290 | -3.528 | 263.280 | -3.567 | 268.270 | | -3.545 |
| 273.260 | -3.464 | 278.250 | -3.223 | 283.230 | -2.961 | 288.220 | | -2.660 |
| 293.210 | -2.148 | 298.200 | -1.747 | 303.190 | -1.455 | 308.170 | | -1.234 |
| 313.160 | -1.052 | 318.150 | -0.931 | 323.140 | -0.749 | 328.130 | | -0.768 |
| 333.110 | -0.716 | 338.100 | -0.975 | 343.090 | -1.573 | 348.080 | | -2.202 |
| 353.070 | -2.520 | 358.050 | -2.719 | 363.040 | -0.567 | 368.030 | | 0.024 |
| 373.020 | 0.426 | 378.010 | 0.487 | 382.990 | 0.089 | 387.980 | | -0.010 |
| 392.970 | -0.008 | 397.960 | -0.107 | 402.950 | -0.505 | 404.240 | | -0.605 |
| 407.940 | -0.704 | 408.430 | -0.674 | 408.430 | -0.674 | 408.430 | | -0.304 |
| 411.230 | -0.303 | 412.920 | 0.128 | 414.420 | 0.498 | 422.900 | | 2.485 |
| 427.640 | 2.545 | 427.740 | 2.625 | 427.740 | 2.694 | 427.740 | | 2.631 |
| 439.170 | 2.611 | 449.020 | 2.701 | 458.250 | 2.761 | 466.960 | | 2.781 |
| 476.260 | 2.851 | 479.460 | 4.507 | 480.250 | 4.587 | 480.450 | | 4.707 |
| 483.830 | 4.947 | 485.060 | 5.247 | 488.420 | 6.887 | 489.800 | | 7.567 |
| 490.660 | 7.997 | 490.660 | 7.997 | 490.660 | 8.273 | 490.660 | | 7.993 |
| 490.660 | 7.993 | 491.550 | 8.433 | 492.950 | 9.283 | 493.120 | | 9.293 |
| 496.720 | 9.353 | 500.290 | 9.303 | 500.290 | 9.305 | 500.400 | | 9.303 |
| 500.540 | 9.293 | 504.380 | 7.423 | 505.630 | 7.313 | 505.760 | | 6.913 |
| 505.820 | 6.913 | 508.900 | 6.823 | 509.370 | 6.813 | 509.500 | | 6.824 |
| 514.430 | 4.282 | 514.980 | 3.202 | 514.980 | 3.202 | 518.490 | | 3.042 |
| 518.490 | 3.042 | 519.770 | 3.016 | 519.770 | 3.021 | 520.060 | | 2.511 |
| 520.280 | 2.171 | 520.280 | 2.171 | 520.460 | 2.171 | 520.460 | | 2.021 |
| 521.090 | 2.021 | 521.090 | 2.471 | 521.400 | 2.461 | 521.400 | | 2.615 |
| 527.680 | 2.391 | 528.980 | 2.051 | 528.980 | 2.051 | 531.590 | | 1.911 |
| 531.590 | 1.451 | 536.640 | 1.151 | 536.640 | 1.321 | 537.000 | | 1.311 |
| 537.000 | 1.601 | 538.120 | 1.581 | 538.120 | 1.441 | 546.410 | | 0.861 |
| 552.620 | 0.451 | 557.240 | 0.491 | 561.050 | 0.401 | 561.350 | | 0.401 |
| 561.350 | 0.081 | 561.660 | 0.081 | 561.660 | -0.179 | 561.760 | | -0.179 |
| 561.760 | -0.259 | 562.010 | -0.549 | 562.310 | -0.549 | 562.310 | | -1.519 |
| 563.610 | -1.519 | 563.610 | -0.549 | 563.910 | -0.549 | 564.110 | | -0.289 |
| 564.110 | -0.179 | 564.210 | -0.179 | 564.210 | 0.101 | 564.610 | | 0.101 |
| 564.610 | 0.411 | 564.910 | 0.411 | 565.660 | 0.421 | | | |
| 19.4km | 0.000 | | | | 197 | 29 | 84 | 7 146 |
| 0.000 | 9.352 | 0.000 | 9.032 | 0.000 | 9.032 | 0.560 | | 9.232 |
| 1.050 | 9.572 | 3.010 | 9.572 | 6.430 | 9.502 | 13.910 | | 5.992 |
| 15.700 | 5.394 | 24.130 | 2.135 | 26.810 | 1.815 | 32.860 | | 1.266 |
| 40.900 | 1.461 | 49.140 | 1.381 | 55.910 | 1.401 | 58.700 | | 1.181 |
| 66.140 | 1.591 | 73.910 | 1.351 | 81.810 | 1.451 | 89.650 | | 2.061 |
| 97.060 | 2.301 | 102.530 | 2.461 | 108.270 | 2.091 | 114.350 | | 2.191 |
| 119.130 | 2.741 | 122.130 | 2.361 | 122.130 | 2.515 | 122.130 | | 2.366 |
| 122.580 | 2.236 | 122.580 | 1.996 | 124.430 | 1.446 | 124.430 | | 0.866 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 125.620 | 0.556 | 127.120 | 0.096 | 132.120 | -1.423 | 137.110 | -3.442 |
| 142.100 | -3.291 | 147.090 | -3.659 | 152.090 | -3.518 | 157.080 | -3.137 |
| 162.070 | -3.176 | 167.060 | -3.315 | 172.060 | -3.534 | 177.050 | -3.583 |
| 182.040 | -3.612 | 187.030 | -3.551 | 192.030 | -3.580 | 197.020 | -3.649 |
| 202.010 | -3.708 | 207.000 | -3.747 | 212.000 | -3.775 | 216.990 | -3.744 |
| 221.980 | -3.843 | 226.980 | -3.802 | 231.970 | -3.771 | 236.960 | -3.720 |
| 241.950 | -3.669 | 246.950 | -3.638 | 251.940 | -3.657 | 256.930 | -3.396 |
| 261.920 | -3.105 | 266.920 | -2.874 | 271.910 | -2.652 | 276.900 | -2.391 |
| 281.890 | -2.160 | 286.890 | -2.109 | 291.880 | -2.058 | 296.870 | -2.087 |
| 301.860 | -2.126 | 306.860 | -2.025 | 311.850 | -1.894 | 316.840 | -1.783 |
| 321.840 | -1.602 | 326.830 | -1.561 | 331.820 | -1.559 | 336.810 | -1.588 |
| 341.810 | -1.577 | 346.800 | -1.456 | 351.790 | -0.495 | 356.780 | 0.236 |
| 357.580 | 0.606 | 358.380 | 0.976 | 358.380 | 1.776 | 358.880 | 2.226 |
| 360.100 | 2.366 | 360.100 | 2.493 | 360.100 | 2.362 | 360.500 | 2.352 |
| 361.280 | 2.092 | 362.300 | 2.202 | 363.020 | 1.942 | 365.420 | 2.062 |
| 369.480 | 1.672 | 378.130 | 1.402 | 382.990 | 1.712 | 393.380 | 1.672 |
| 394.850 | 0.892 | 396.240 | 0.682 | 399.400 | 0.612 | 401.620 | 0.132 |
| 402.280 | -0.248 | 406.500 | -0.268 | 406.500 | -0.268 | 406.500 | 0.612 |
| 406.200 | 0.612 | 406.200 | 0.682 | 406.200 | 1.112 | 406.900 | 1.112 |
| 406.900 | 1.112 | 408.730 | 1.222 | 408.730 | 1.222 | 409.440 | 1.232 |
| 409.440 | 1.402 | 409.850 | 1.442 | 409.850 | 1.602 | 410.260 | 1.642 |
| 410.260 | 1.802 | 410.650 | 1.832 | 410.650 | 2.002 | 411.060 | 2.032 |
| 411.060 | 2.202 | 411.470 | 2.232 | 411.470 | 2.402 | 411.880 | 2.422 |
| 411.880 | 2.594 | 413.180 | 2.639 | 423.430 | 2.689 | 430.880 | 2.719 |
| 440.500 | 2.699 | 449.090 | 2.799 | 458.960 | 2.889 | 467.990 | 2.919 |
| 476.190 | 2.969 | 479.500 | 4.743 | 480.300 | 4.843 | 480.810 | 4.933 |
| 484.670 | 5.263 | 488.220 | 6.953 | 489.600 | 7.633 | 490.500 | 8.103 |
| 490.500 | 8.103 | 490.500 | 8.362 | 490.500 | 8.104 | 490.500 | 8.104 |
| 491.380 | 8.524 | 492.840 | 9.344 | 493.020 | 9.354 | 496.650 | 9.404 |
| 500.090 | 9.364 | 500.090 | 9.366 | 500.270 | 9.364 | 500.430 | 9.354 |
| 504.170 | 7.494 | 505.310 | 7.374 | 505.450 | 6.954 | 505.450 | 6.954 |
| 508.590 | 6.874 | 509.030 | 6.855 | 509.200 | 6.835 | 510.180 | 4.355 |
| 515.220 | 4.265 | 515.760 | 3.265 | 515.760 | 3.265 | 519.300 | 3.145 |
| 519.300 | 3.145 | 519.350 | 3.135 | 519.350 | 3.035 | 519.400 | 3.035 |
| 519.400 | 2.735 | 519.700 | 2.735 | 519.700 | 3.035 | 519.750 | 3.035 |
| 519.750 | 3.135 | 519.800 | 3.135 | 519.800 | 3.075 | 519.870 | 3.075 |
| 519.870 | 3.169 | 519.870 | 3.077 | 530.700 | 3.037 | 532.850 | 1.857 |
| 538.850 | 0.527 | 539.590 | -0.093 | 539.590 | -0.203 | 539.890 | -0.463 |
| 540.170 | -0.463 | 540.170 | -1.163 | 540.820 | -1.163 | 540.820 | -0.463 |
| 541.130 | -0.463 | 541.330 | -0.203 | 541.330 | -0.093 | 541.910 | 0.247 |
| 542.290 | 0.247 | 542.800 | -0.093 | 550.930 | -0.103 | 560.610 | -0.083 |
| 565.500 | -0.093 | | | | | | |
| 19.6km | 0.000 | | | | 171 | 23 81 | 7 118 |
| 0.000 | 9.264 | 0.000 | 8.977 | 0.000 | 8.977 | 0.710 | 9.197 |
| 1.460 | 9.497 | 4.210 | 9.457 | 7.020 | 9.407 | 14.290 | 5.917 |
| 19.700 | 5.607 | 22.040 | 4.963 | 26.410 | 4.549 | 34.890 | 1.449 |
| 45.810 | 0.739 | 53.300 | 0.759 | 62.640 | 1.009 | 72.610 | 1.200 |
| 80.000 | 1.274 | 87.340 | 1.644 | 95.870 | 1.864 | 104.140 | 2.324 |
| 111.540 | 2.774 | 115.510 | 3.094 | 117.980 | 3.124 | 117.980 | 3.234 |
| 117.980 | 3.126 | 120.230 | 2.426 | 121.140 | 1.546 | 121.140 | 0.693 |
| 121.140 | 0.113 | 122.970 | -0.047 | 127.970 | -1.246 | 132.960 | -2.595 |
| 137.950 | -3.204 | 142.950 | -3.504 | 147.940 | -3.253 | 152.930 | -3.022 |
| 157.930 | -3.651 | 162.920 | -2.880 | 167.910 | -3.250 | 172.910 | -3.299 |
| 177.900 | -3.048 | 182.890 | -3.077 | 187.890 | -3.147 | 192.880 | -2.676 |
| 197.870 | -2.795 | 202.870 | -2.844 | 207.860 | -2.973 | 212.850 | -2.993 |
| 217.850 | -3.092 | 222.840 | -3.141 | 227.830 | -3.090 | 232.830 | -3.170 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 237.820 | -3.589 | 242.810 | -4.068 | 247.810 | -3.867 | 252.800 | -3.536 |
| 257.790 | -3.286 | 262.790 | -3.135 | 267.780 | -2.994 | 272.770 | -2.783 |
| 277.770 | -2.772 | 282.760 | -3.082 | 287.760 | -3.231 | 292.750 | -3.560 |
| 297.740 | -3.279 | 302.740 | -2.659 | 307.730 | -2.078 | 312.720 | -1.757 |
| 317.720 | -1.326 | 322.710 | -0.925 | 327.700 | -0.595 | 332.700 | -0.444 |
| 337.690 | -0.253 | 342.680 | -0.242 | 347.680 | -0.292 | 352.670 | -0.221 |
| 357.660 | -0.090 | 362.660 | 0.291 | 364.050 | 0.731 | 366.450 | 2.156 |
| 367.850 | 2.306 | 367.850 | 2.439 | 367.850 | 2.304 | 368.490 | 2.364 |
| 373.100 | 1.984 | 375.210 | 1.114 | 376.290 | 0.924 | 381.810 | 0.644 |
| 387.700 | 0.834 | 393.860 | 0.614 | 401.210 | 0.454 | 406.310 | 0.754 |
| 406.310 | 0.914 | 406.310 | 1.124 | 407.010 | 1.124 | 407.010 | 1.124 |
| 409.090 | 1.214 | 411.970 | 2.588 | 413.250 | 2.638 | 423.300 | 2.678 |
| 428.800 | 2.668 | 438.810 | 2.768 | 447.330 | 2.868 | 455.620 | 2.868 |
| 465.130 | 2.868 | 474.300 | 2.998 | 477.830 | 4.788 | 478.860 | 4.858 |
| 483.040 | 5.308 | 486.460 | 6.998 | 487.880 | 7.668 | 488.810 | 8.148 |
| 488.810 | 8.148 | 488.810 | 8.426 | 488.810 | 8.144 | 488.810 | 8.144 |
| 489.700 | 8.574 | 491.180 | 9.404 | 491.430 | 9.404 | 495.010 | 9.444 |
| 498.480 | 9.394 | 498.480 | 9.390 | 498.580 | 9.394 | 498.780 | 9.384 |
| 502.490 | 7.534 | 503.720 | 7.434 | 503.890 | 7.004 | 503.890 | 7.004 |
| 507.050 | 6.914 | 507.540 | 6.911 | 507.680 | 6.882 | 512.740 | 4.392 |
| 513.950 | 4.312 | 514.560 | 3.252 | 514.560 | 3.252 | 518.090 | 3.122 |
| 518.090 | 3.122 | 518.140 | 3.122 | 518.140 | 3.022 | 518.190 | 3.022 |
| 518.190 | 2.722 | 518.480 | 2.722 | 518.480 | 3.022 | 518.530 | 3.022 |
| 518.530 | 3.122 | 518.580 | 3.122 | 518.650 | 3.102 | 518.650 | 3.150 |
| 518.650 | 3.100 | 518.860 | 3.170 | 519.540 | 2.820 | 524.370 | 2.690 |
| 524.990 | 2.460 | 531.140 | 2.250 | 534.560 | 2.050 | 536.610 | 1.990 |
| 543.910 | 1.880 | 545.050 | 1.920 | 545.300 | 1.200 | 545.670 | 1.140 |
| 545.670 | 0.830 | 546.220 | 0.830 | 546.220 | 1.140 | 546.320 | 1.140 |
| 546.320 | 1.140 | 552.270 | 1.290 | 560.810 | 1.190 | 564.310 | 1.050 |
| 566.270 | 1.060 | 566.270 | 1.060 | 566.270 | 1.059 | | |
| 19.8km | 0.000 | | | | 148 | 36 95 | 7 122 |
| 0.000 | 9.432 | 0.000 | 9.134 | 0.000 | 9.134 | 0.790 | 9.384 |
| 1.080 | 9.624 | 3.580 | 9.584 | 6.500 | 9.584 | 14.190 | 6.084 |
| 18.820 | 5.884 | 21.050 | 5.136 | 24.940 | 4.799 | 26.680 | 4.259 |
| 32.620 | 1.859 | 37.510 | 1.139 | 43.120 | 0.749 | 49.410 | 0.829 |
| 52.730 | 1.109 | 54.610 | 1.049 | 55.640 | 0.659 | 56.250 | 0.639 |
| 56.740 | 1.029 | 66.060 | 0.909 | 73.600 | 1.409 | 80.000 | 1.648 |
| 88.680 | 1.815 | 95.210 | 2.075 | 98.880 | 2.065 | 101.780 | 1.665 |
| 108.350 | 1.585 | 115.140 | 1.745 | 121.000 | 2.735 | 121.610 | 2.765 |
| 121.610 | 2.929 | 121.610 | 2.772 | 123.510 | 2.442 | 124.010 | 1.302 |
| 126.200 | 0.791 | 126.600 | 0.701 | 131.590 | 0.052 | 136.580 | -0.557 |
| 141.570 | -0.207 | 146.560 | -0.226 | 151.550 | -0.585 | 156.540 | -1.624 |
| 161.530 | -2.753 | 166.520 | -4.702 | 171.510 | -6.582 | 176.500 | -8.621 |
| 181.490 | -9.280 | 186.480 | -7.879 | 191.470 | -4.448 | 196.460 | -3.098 |
| 201.450 | -3.097 | 206.440 | -3.056 | 211.430 | -3.055 | 216.420 | -3.114 |
| 221.410 | -3.053 | 226.400 | -2.993 | 231.390 | -3.042 | 236.380 | -2.941 |
| 241.370 | -3.070 | 246.360 | -3.239 | 251.350 | -2.609 | 256.340 | -3.288 |
| 261.330 | -3.437 | 266.320 | -3.276 | 271.310 | -2.835 | 276.310 | -2.384 |
| 281.300 | -1.684 | 286.290 | -1.783 | 291.280 | -1.722 | 296.270 | -3.231 |
| 301.260 | -4.080 | 306.250 | -3.030 | 311.240 | -2.659 | 316.230 | -1.028 |
| 321.220 | -0.997 | 326.210 | -1.626 | 331.200 | -0.755 | 336.190 | -0.655 |
| 341.180 | -1.174 | 346.170 | -1.753 | 351.160 | -2.472 | 356.150 | -1.471 |
| 361.140 | -0.621 | 366.130 | -0.720 | 371.120 | -0.869 | 376.110 | -0.598 |
| 381.100 | -0.857 | 386.090 | -0.497 | 391.080 | -0.866 | 396.070 | -0.265 |
| 397.570 | 0.455 | 398.150 | 0.835 | 399.210 | 1.690 | 401.060 | 1.520 |
| 402.360 | 0.290 | 404.050 | 0.250 | 405.250 | 1.410 | 406.050 | 1.410 |

S59横断データ (-0.6~56.2). dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 411.040 | 1.660 | 416.030 | 1.780 | 421.020 | 1.780 | 427.010 | 1.830 |
| 427.010 | 1.917 | 427.010 | 1.844 | 431.860 | 1.934 | 440.400 | 2.034 |
| 449.410 | 2.034 | 458.650 | 2.084 | 467.490 | 2.184 | 470.010 | 3.974 |
| 475.890 | 4.134 | 477.200 | 4.774 | 477.200 | 4.774 | 477.200 | 4.786 |
| 477.200 | 4.772 | 477.200 | 4.772 | 478.260 | 4.872 | 482.750 | 5.492 |
| 486.240 | 7.172 | 489.330 | 8.732 | 495.000 | 8.832 | 499.480 | 8.622 |
| 503.600 | 6.702 | 507.010 | 6.452 | 511.400 | 4.278 | 512.830 | 3.449 |
| 516.200 | 3.289 | 517.430 | 3.219 | 517.800 | 3.209 | 518.900 | 2.919 |
| 520.350 | 2.799 | 520.350 | 2.499 | 528.190 | 2.159 | 528.190 | 2.459 |
| 530.270 | 2.359 | 530.270 | 2.437 | 531.390 | 2.149 | 531.390 | 1.839 |
| 532.640 | 1.559 | 532.640 | 1.859 | 535.370 | 1.239 | 544.610 | 0.319 |
| 552.050 | 0.059 | 562.380 | 0.049 | 563.160 | 0.389 | 566.370 | 0.529 |
| 20.0 | 0.000 | | | | 124 | 31 91 | 6 110 |
| 0.000 | 9.400 | 0.000 | 9.100 | 0.680 | 9.370 | 1.140 | 9.750 |
| 3.710 | 9.720 | 6.380 | 9.690 | 10.300 | 7.830 | 12.660 | 7.470 |
| 14.520 | 6.280 | 18.380 | 5.840 | 20.670 | 5.130 | 25.180 | 4.850 |
| 33.140 | 1.780 | 37.130 | 1.160 | 41.440 | 0.930 | 43.950 | 0.810 |
| 48.020 | 0.410 | 52.640 | 0.240 | 57.390 | 0.280 | 62.730 | 0.450 |
| 66.910 | 0.810 | 73.840 | 1.120 | 80.000 | 1.370 | 88.370 | 1.600 |
| 98.220 | 1.620 | 107.860 | 1.790 | 112.970 | 1.630 | 122.460 | 1.900 |
| 131.810 | 1.910 | 140.830 | 2.190 | 144.230 | 2.280 | 144.230 | 2.410 |
| 144.230 | 2.290 | 145.330 | 2.230 | 146.530 | 1.180 | 149.230 | 0.930 |
| 154.230 | 0.400 | 158.290 | 0.240 | 159.230 | 0.160 | 164.220 | -0.360 |
| 169.220 | -1.110 | 174.220 | -1.580 | 179.220 | -1.660 | 184.220 | -1.710 |
| 189.220 | -1.560 | 194.210 | -1.590 | 199.210 | -1.690 | 204.210 | -1.750 |
| 209.210 | -1.670 | 214.210 | -1.870 | 219.210 | -1.940 | 224.210 | -1.890 |
| 229.200 | -1.880 | 234.200 | -1.870 | 239.200 | -1.960 | 244.200 | -2.100 |
| 249.200 | -2.160 | 254.200 | -2.300 | 259.190 | -2.380 | 264.190 | -2.480 |
| 269.190 | -2.580 | 274.190 | -2.570 | 279.190 | -2.730 | 284.190 | -2.690 |
| 289.190 | -2.700 | 294.180 | -2.560 | 299.180 | -2.360 | 304.180 | -2.260 |
| 309.180 | -2.120 | 314.180 | -1.920 | 319.180 | -1.820 | 324.170 | -1.720 |
| 329.170 | -1.820 | 334.170 | -2.610 | 339.170 | -2.660 | 344.170 | -2.530 |
| 349.170 | -2.490 | 354.170 | -0.830 | 359.160 | -0.490 | 364.160 | -0.340 |
| 369.160 | -0.310 | 374.160 | -0.320 | 379.160 | -0.320 | 384.160 | -0.320 |
| 389.150 | -0.340 | 394.150 | -0.230 | 399.150 | -0.030 | 399.900 | 0.170 |
| 400.850 | 0.450 | 403.550 | 2.130 | 404.150 | 2.160 | 414.150 | 2.220 |
| 424.140 | 2.310 | 434.140 | 2.440 | 436.940 | 2.490 | 436.940 | 2.620 |
| 436.940 | 2.500 | 441.410 | 2.500 | 449.900 | 2.600 | 450.830 | 2.360 |
| 458.050 | 2.310 | 460.150 | 2.080 | 468.830 | 2.110 | 474.040 | 4.690 |
| 474.040 | 4.710 | 474.870 | 4.770 | 475.310 | 4.870 | 479.040 | 5.240 |
| 483.150 | 7.220 | 486.350 | 9.010 | 491.790 | 9.020 | 492.770 | 8.790 |
| 497.640 | 8.690 | 501.060 | 6.980 | 504.360 | 6.700 | 509.540 | 4.160 |
| 510.190 | 4.150 | 512.580 | 4.180 | 513.180 | 4.220 | 514.900 | 3.700 |
| 516.760 | 3.800 | 516.760 | 3.910 | 516.760 | 3.800 | 516.760 | 3.800 |
| 20.2 | 0.000 | | | | 121 | 40 97 | 6 112 |
| 0.000 | 9.450 | 0.000 | 9.130 | 0.790 | 9.390 | 1.390 | 9.870 |
| 3.900 | 9.880 | 6.780 | 9.840 | 14.060 | 6.370 | 18.950 | 6.110 |
| 21.350 | 5.440 | 25.850 | 5.120 | 32.100 | 2.410 | 36.960 | 1.610 |
| 40.210 | 1.430 | 42.290 | 1.070 | 46.000 | 1.080 | 46.380 | 0.400 |
| 47.380 | 0.270 | 47.930 | 0.420 | 48.610 | 0.580 | 49.150 | 1.010 |
| 54.610 | 1.090 | 60.020 | 1.680 | 64.370 | 1.500 | 70.500 | 1.610 |
| 76.520 | 1.290 | 80.000 | 1.190 | 84.980 | 1.550 | 94.610 | 1.860 |
| 103.010 | 1.800 | 112.970 | 1.970 | 121.350 | 2.250 | 127.830 | 2.360 |
| 130.000 | 2.160 | 138.080 | 2.200 | 145.540 | 2.430 | 155.500 | 2.720 |
| 163.330 | 2.990 | 163.330 | 3.100 | 163.330 | 2.990 | 164.530 | 2.680 |
| 164.630 | 2.150 | 166.080 | 0.860 | 168.330 | 0.470 | 170.620 | 0.120 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 173.320 | -0.500 | 178.320 | -0.680 | 183.310 | -0.700 | 188.310 | -0.730 |
| 193.300 | -0.870 | 198.300 | -0.910 | 203.290 | -0.890 | 208.290 | -1.110 |
| 213.280 | -1.190 | 218.280 | -1.290 | 223.270 | -1.290 | 228.270 | -1.210 |
| 233.260 | -1.310 | 238.260 | -1.510 | 243.250 | -1.720 | 248.250 | -1.890 |
| 253.240 | -2.190 | 258.240 | -2.510 | 263.230 | -2.770 | 268.230 | -2.060 |
| 273.220 | -3.280 | 278.220 | -3.400 | 283.210 | -3.580 | 288.210 | -3.720 |
| 293.200 | -3.790 | 298.200 | -3.900 | 303.190 | -3.650 | 308.190 | -2.850 |
| 313.180 | -2.520 | 318.180 | -2.400 | 323.170 | -2.320 | 328.170 | -2.200 |
| 333.160 | -2.020 | 338.160 | -1.800 | 343.150 | -1.600 | 348.150 | -1.380 |
| 353.140 | -1.190 | 358.140 | -1.010 | 363.130 | -0.810 | 368.130 | -0.690 |
| 373.120 | -0.600 | 378.120 | -0.490 | 383.110 | -0.460 | 388.110 | -0.510 |
| 393.100 | -0.510 | 398.100 | -0.490 | 403.100 | -0.650 | 408.090 | -0.530 |
| 413.090 | -0.410 | 414.860 | 0.090 | 417.080 | 0.670 | 418.760 | 1.370 |
| 419.580 | 2.190 | 419.580 | 2.300 | 419.580 | 2.170 | 427.080 | 2.220 |
| 436.590 | 2.290 | 445.960 | 2.270 | 454.650 | 2.330 | 463.310 | 2.260 |
| 468.430 | 2.370 | 473.310 | 4.880 | 473.310 | 4.900 | 474.330 | 4.970 |
| 474.640 | 5.030 | 478.330 | 5.320 | 482.430 | 7.270 | 485.010 | 8.710 |
| 489.840 | 8.750 | 495.490 | 8.620 | 496.920 | 7.930 | 500.110 | 7.860 |
| 503.860 | 5.830 | 505.550 | 5.620 | 506.310 | 5.500 | 513.310 | 5.380 |
| 516.570 | 5.290 | | | | | | |
| 20.4 | 0.000 | | | | 129 | 38 106 | 6 106 |
| 0.000 | 9.350 | 0.000 | 9.060 | 1.190 | 9.470 | 1.580 | 9.890 |
| 4.440 | 9.960 | 7.100 | 9.900 | 12.530 | 7.140 | 16.080 | 6.240 |
| 19.130 | 6.070 | 21.550 | 5.380 | 26.190 | 5.180 | 28.000 | 4.600 |
| 33.150 | 4.310 | 36.910 | 3.700 | 40.280 | 2.650 | 46.250 | 2.470 |
| 52.590 | 2.120 | 55.480 | 1.470 | 57.640 | 1.450 | 59.350 | 1.870 |
| 68.190 | 1.760 | 74.120 | 1.720 | 80.000 | 1.390 | 87.730 | 1.490 |
| 96.000 | 1.660 | 105.690 | 1.910 | 112.030 | 2.150 | 122.710 | 2.180 |
| 133.250 | 2.320 | 143.130 | 2.340 | 152.470 | 2.590 | 161.830 | 2.760 |
| 169.400 | 3.020 | 174.080 | 3.270 | 177.130 | 3.110 | 177.130 | 3.220 |
| 177.130 | 3.090 | 177.630 | 3.040 | 177.630 | 1.000 | 182.120 | 0.040 |
| 187.110 | -0.550 | 192.100 | -1.540 | 197.090 | -1.610 | 202.080 | -1.710 |
| 207.080 | -1.960 | 212.070 | -1.960 | 217.060 | -1.910 | 222.050 | -1.810 |
| 227.040 | -1.910 | 232.030 | -1.810 | 237.020 | -1.790 | 242.010 | -1.770 |
| 247.000 | -1.760 | 251.990 | -1.750 | 256.980 | -1.680 | 261.980 | -1.750 |
| 266.970 | -1.720 | 271.960 | -1.770 | 276.950 | -1.870 | 281.940 | -2.040 |
| 286.930 | -2.080 | 291.920 | -1.700 | 296.910 | -1.690 | 301.900 | -1.700 |
| 306.890 | -1.760 | 311.890 | -1.780 | 316.880 | -1.800 | 321.870 | -1.690 |
| 326.860 | -1.790 | 331.850 | -1.680 | 336.840 | -1.670 | 341.830 | -1.610 |
| 346.820 | -1.680 | 351.810 | -1.750 | 356.800 | -1.750 | 361.790 | -1.690 |
| 366.790 | -1.700 | 371.780 | -1.650 | 376.770 | -1.610 | 381.760 | -1.600 |
| 386.750 | -1.500 | 391.740 | -0.920 | 396.730 | -0.700 | 401.720 | -0.490 |
| 406.710 | -0.300 | 411.700 | -0.250 | 416.690 | -0.170 | 419.690 | 0.000 |
| 421.690 | 0.240 | 426.680 | 0.470 | 430.970 | 0.580 | 430.970 | 0.730 |
| 430.970 | 0.590 | 435.050 | 0.480 | 440.110 | 0.100 | 444.740 | 0.080 |
| 451.960 | 1.010 | 454.050 | 1.610 | 455.300 | 1.820 | 457.290 | 1.590 |
| 462.640 | 1.350 | 466.360 | 2.080 | 472.300 | 4.940 | 473.020 | 5.000 |
| 475.800 | 6.340 | 475.800 | 6.350 | 479.300 | 6.340 | 479.300 | 6.440 |
| 479.500 | 6.440 | 480.950 | 7.140 | 483.910 | 8.960 | 489.150 | 9.170 |
| 494.860 | 9.010 | 498.520 | 6.970 | 501.950 | 6.850 | 506.560 | 4.550 |
| 507.420 | 4.690 | 507.960 | 3.610 | 512.020 | 3.560 | 512.020 | 3.260 |
| 512.320 | 3.260 | 512.320 | 3.560 | 512.480 | 3.560 | 512.480 | 3.790 |
| 512.480 | 3.560 | 512.480 | 3.560 | 512.520 | 3.760 | 518.610 | 3.650 |
| 523.020 | 3.000 | | | | | | |
| 20.6 | 0.000 | | | | 130 | 35 106 | 6 111 |
| 0.000 | 9.510 | 0.000 | 9.200 | 0.880 | 9.540 | 1.360 | 9.840 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 4.180 | 9.890 | 6.650 | 9.840 | 14.120 | 6.350 | 18.530 | 6.170 |
| 21.650 | 5.310 | 25.580 | 5.090 | 29.420 | 3.990 | 35.360 | 3.760 |
| 38.830 | 2.670 | 44.730 | 2.260 | 51.350 | 1.740 | 60.130 | 1.770 |
| 69.200 | 1.940 | 78.610 | 1.930 | 85.990 | 2.100 | 90.100 | 2.240 |
| 98.280 | 2.450 | 106.740 | 2.200 | 116.630 | 2.480 | 124.550 | 2.260 |
| 133.490 | 2.710 | 140.000 | 3.000 | 148.030 | 3.170 | 156.750 | 3.370 |
| 159.730 | 2.950 | 166.140 | 3.110 | 167.360 | 2.780 | 169.840 | 2.760 |
| 169.840 | 2.870 | 169.840 | 2.760 | 170.890 | 2.960 | 173.040 | 0.750 |
| 174.840 | 0.420 | 178.380 | -0.080 | 179.830 | -0.530 | 184.830 | -1.560 |
| 189.830 | -1.830 | 194.820 | -1.930 | 199.820 | -2.050 | 204.820 | -2.000 |
| 209.820 | -1.880 | 214.810 | -1.770 | 219.810 | -1.670 | 224.810 | -1.580 |
| 229.800 | -2.000 | 234.800 | -2.170 | 239.800 | -2.020 | 244.790 | -2.250 |
| 249.790 | -2.000 | 254.790 | -1.340 | 259.780 | -1.490 | 264.780 | -1.540 |
| 269.780 | -1.590 | 274.770 | -1.690 | 279.770 | -1.710 | 284.770 | -1.470 |
| 289.770 | -1.230 | 294.760 | -1.090 | 299.760 | -0.980 | 304.760 | -0.910 |
| 309.750 | -0.890 | 314.750 | -0.930 | 319.750 | -0.940 | 324.740 | -0.920 |
| 329.740 | -0.900 | 334.740 | -0.950 | 339.730 | -1.080 | 344.730 | -1.220 |
| 349.730 | -1.350 | 354.720 | -1.450 | 359.720 | -1.620 | 364.720 | -1.700 |
| 369.720 | -1.800 | 374.710 | -1.890 | 379.710 | -1.990 | 384.710 | -2.000 |
| 389.700 | -1.930 | 394.700 | -1.910 | 399.700 | -1.820 | 404.690 | -1.760 |
| 409.690 | -1.590 | 414.690 | -1.320 | 419.680 | -1.330 | 424.680 | -1.470 |
| 429.680 | -1.060 | 434.670 | -0.770 | 439.670 | -0.260 | 443.170 | -0.110 |
| 444.670 | -0.020 | 448.820 | -0.110 | 449.670 | -0.220 | 451.810 | -0.270 |
| 452.210 | -0.110 | 453.610 | 0.310 | 454.660 | 0.660 | 456.010 | 1.030 |
| 459.210 | 1.580 | 463.110 | 1.640 | 467.200 | 2.420 | 472.340 | 5.020 |
| 473.160 | 5.130 | 473.660 | 5.250 | 477.850 | 5.550 | 480.780 | 7.000 |
| 480.780 | 7.010 | 481.600 | 7.390 | 486.700 | 9.270 | 490.460 | 9.280 |
| 495.180 | 9.180 | 497.260 | 7.730 | 498.650 | 7.730 | 498.940 | 6.940 |
| 502.530 | 6.830 | 502.780 | 6.940 | 503.130 | 6.950 | 508.060 | 4.460 |
| 509.060 | 4.400 | 509.580 | 3.330 | 513.600 | 3.230 | 513.600 | 2.930 |
| 513.900 | 2.930 | 513.900 | 3.230 | 514.090 | 3.220 | 517.780 | 3.310 |
| 520.780 | 3.360 | 528.180 | 3.260 | | | | |
| 20.8 | 0.000 | | | | 145 | 28 111 | 6 120 |
| 0.000 | 9.580 | 0.000 | 9.280 | 0.740 | 9.590 | 1.310 | 10.000 |
| 3.610 | 10.000 | 6.800 | 9.950 | 14.260 | 6.550 | 18.880 | 6.290 |
| 21.230 | 5.600 | 25.750 | 5.260 | 29.640 | 4.050 | 35.050 | 3.970 |
| 42.630 | 3.140 | 47.000 | 2.560 | 53.280 | 2.230 | 59.430 | 2.210 |
| 68.300 | 2.440 | 77.140 | 2.650 | 81.680 | 2.580 | 84.500 | 1.890 |
| 92.820 | 1.830 | 100.000 | 1.800 | 106.640 | 2.160 | 116.030 | 2.210 |
| 124.800 | 2.190 | 133.170 | 2.330 | 142.520 | 2.870 | 144.760 | 2.890 |
| 144.760 | 3.020 | 144.760 | 2.910 | 145.210 | 2.930 | 145.210 | 1.500 |
| 147.060 | 0.270 | 148.760 | -0.130 | 149.760 | -0.280 | 154.750 | -1.330 |
| 159.750 | -1.280 | 164.740 | -1.310 | 169.740 | -1.240 | 174.730 | -1.330 |
| 179.730 | -1.350 | 184.720 | -1.420 | 189.720 | -1.390 | 194.710 | -1.240 |
| 199.710 | -1.120 | 204.700 | -1.090 | 209.700 | -1.040 | 214.690 | -0.940 |
| 219.690 | -0.930 | 224.680 | -0.880 | 229.680 | -0.850 | 234.670 | -0.850 |
| 239.670 | -0.870 | 244.660 | -0.840 | 249.660 | -0.850 | 254.650 | -0.910 |
| 259.650 | -0.930 | 264.640 | -0.930 | 269.640 | -0.970 | 274.630 | -0.980 |
| 279.630 | -0.960 | 284.620 | -0.950 | 289.620 | -0.920 | 294.610 | -0.920 |
| 299.610 | -0.970 | 304.600 | -1.060 | 309.600 | -1.120 | 314.590 | -1.140 |
| 319.590 | -1.200 | 324.580 | -1.250 | 329.580 | -1.280 | 334.570 | -1.290 |
| 339.570 | -1.310 | 344.560 | -1.350 | 349.560 | -1.270 | 354.550 | -1.300 |
| 359.550 | -1.380 | 364.540 | -1.460 | 369.540 | -1.460 | 374.530 | -1.540 |
| 379.530 | -1.560 | 384.520 | -1.560 | 389.520 | -1.580 | 394.510 | -1.460 |
| 399.510 | -1.360 | 404.500 | -1.290 | 409.500 | -1.310 | 414.490 | -1.340 |
| 419.490 | -1.370 | 424.480 | -1.190 | 429.480 | -2.190 | 434.470 | -2.490 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 438.320 | -2.090 | 439.470 | -1.190 | 441.070 | -0.290 | 442.820 | -0.190 |
| 444.460 | -0.040 | 449.460 | 0.390 | 450.510 | 0.660 | 451.060 | 0.660 |
| 451.560 | 0.460 | 451.960 | 0.440 | 452.410 | 0.710 | 454.450 | 0.920 |
| 455.950 | 1.420 | 460.450 | 2.350 | 460.450 | 2.490 | 460.450 | 2.370 |
| 463.600 | 2.410 | 468.540 | 2.280 | 474.370 | 5.100 | 475.100 | 5.180 |
| 475.700 | 5.280 | 479.740 | 5.600 | 484.690 | 8.070 | 485.570 | 8.500 |
| 485.570 | 8.830 | 485.570 | 8.490 | 486.510 | 8.940 | 487.640 | 9.500 |
| 488.210 | 9.270 | 495.810 | 9.220 | 498.570 | 7.970 | 500.340 | 7.770 |
| 500.650 | 6.990 | 504.830 | 6.970 | 506.230 | 6.290 | 506.620 | 6.260 |
| 506.910 | 5.440 | 510.270 | 5.430 | 510.570 | 5.550 | 510.970 | 5.550 |
| 512.320 | 4.930 | 512.900 | 4.910 | 513.250 | 4.130 | 517.200 | 3.980 |
| 517.200 | 3.620 | 517.560 | 3.620 | 517.560 | 3.980 | 517.710 | 3.990 |
| 518.660 | 4.050 | 528.230 | 4.210 | 530.340 | 4.140 | 534.180 | 4.150 |
| 535.370 | 4.140 | | | | | | |
| 21.0 | 0.000 | | | | 177 | 36 112 | 6 118 |
| 0.000 | 9.760 | 0.000 | 9.460 | 0.740 | 9.800 | 1.320 | 10.150 |
| 3.860 | 10.160 | 7.240 | 10.090 | 14.300 | 6.680 | 18.560 | 6.420 |
| 21.720 | 5.650 | 26.430 | 5.370 | 29.610 | 4.250 | 38.630 | 4.100 |
| 45.080 | 3.230 | 48.330 | 2.600 | 57.460 | 2.370 | 65.840 | 2.310 |
| 70.000 | 2.370 | 72.950 | 1.850 | 80.150 | 1.820 | 90.100 | 1.920 |
| 98.730 | 1.780 | 105.770 | 1.650 | 115.040 | 1.740 | 122.430 | 2.070 |
| 125.560 | 1.150 | 126.610 | 1.120 | 128.340 | 1.460 | 131.050 | 1.550 |
| 136.390 | 2.200 | 142.200 | 2.180 | 150.680 | 2.770 | 155.430 | 2.890 |
| 162.350 | 3.290 | 162.350 | 3.470 | 162.350 | 3.290 | 163.150 | 3.290 |
| 163.350 | 2.340 | 164.350 | 2.010 | 165.690 | 0.840 | 167.340 | 0.380 |
| 169.810 | 0.120 | 172.330 | -0.380 | 177.320 | -0.800 | 182.300 | -0.780 |
| 187.290 | -0.760 | 192.280 | -0.660 | 197.270 | -0.560 | 202.260 | -0.580 |
| 207.250 | -0.530 | 212.230 | -0.470 | 217.220 | -0.470 | 222.210 | -0.800 |
| 227.200 | -0.840 | 232.190 | -0.900 | 237.180 | -1.050 | 242.160 | -0.950 |
| 247.150 | -1.150 | 252.140 | -1.120 | 257.130 | -1.250 | 262.120 | -1.450 |
| 267.110 | -1.370 | 272.090 | -1.570 | 277.080 | -1.660 | 282.070 | -1.780 |
| 287.060 | -1.870 | 292.050 | -1.970 | 297.040 | -2.010 | 302.030 | -2.060 |
| 307.010 | -2.060 | 312.000 | -2.140 | 316.990 | -2.140 | 321.980 | -2.260 |
| 326.970 | -2.320 | 331.960 | -2.350 | 336.940 | -2.190 | 341.930 | -2.040 |
| 346.920 | -1.900 | 351.910 | -1.770 | 356.900 | -1.660 | 361.890 | -1.600 |
| 366.870 | -1.520 | 371.860 | -1.390 | 376.850 | -1.450 | 381.840 | -1.480 |
| 386.830 | -1.550 | 391.820 | -1.550 | 396.810 | -1.460 | 401.790 | -1.250 |
| 406.780 | -1.150 | 411.770 | -1.050 | 416.760 | -0.910 | 421.750 | -0.750 |
| 426.740 | -0.550 | 431.720 | -0.610 | 436.710 | -0.690 | 441.700 | -0.850 |
| 446.690 | -1.400 | 451.680 | -1.390 | 456.670 | -1.420 | 461.650 | -1.590 |
| 464.200 | -1.760 | 465.840 | -0.690 | 466.640 | -0.490 | 469.380 | 0.160 |
| 470.280 | 0.370 | 471.630 | 1.010 | 472.630 | 1.800 | 473.280 | 1.870 |
| 476.840 | 2.260 | 482.710 | 5.120 | 483.370 | 5.160 | 484.080 | 5.350 |
| 488.110 | 5.650 | 493.310 | 8.220 | 494.240 | 8.630 | 494.240 | 8.970 |
| 494.240 | 8.630 | 495.160 | 9.040 | 496.310 | 9.550 | 497.120 | 9.340 |
| 503.590 | 9.330 | 504.360 | 9.410 | 504.360 | 9.550 | 504.970 | 9.540 |
| 504.970 | 9.370 | 505.370 | 9.340 | 505.370 | 9.160 | 505.790 | 9.140 |
| 505.790 | 8.960 | 506.220 | 8.940 | 506.220 | 8.760 | 506.640 | 8.740 |
| 506.640 | 8.570 | 507.030 | 8.550 | 507.030 | 8.370 | 507.460 | 8.350 |
| 507.460 | 8.160 | 507.900 | 8.140 | 507.900 | 7.970 | 508.300 | 7.950 |
| 508.300 | 7.770 | 508.700 | 7.750 | 508.700 | 7.570 | 509.100 | 7.550 |
| 509.100 | 7.370 | 509.320 | 7.350 | 509.380 | 7.210 | 513.370 | 7.000 |
| 513.970 | 7.000 | 513.970 | 6.830 | 514.370 | 6.810 | 514.370 | 6.630 |
| 514.780 | 6.610 | 514.780 | 6.430 | 515.190 | 6.410 | 515.190 | 6.220 |
| 515.580 | 6.200 | 515.760 | 6.120 | 516.790 | 6.060 | 516.990 | 6.060 |
| 516.990 | 5.850 | 517.190 | 5.850 | 517.190 | 5.650 | 517.390 | 5.640 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 517.390 | 5.450 | 517.560 | 5.450 | 523.550 | 5.380 | 523.600 | 4.960 |
| 523.960 | 4.960 | 523.960 | 5.320 | 524.080 | 5.340 | 524.990 | 5.420 |
| 529.710 | 5.390 | 530.740 | 5.440 | 540.280 | 5.310 | 542.070 | 5.210 |
| 542.070 | 4.440 | | | | | | |
| 21.2 | 0.000 | | | | 138 | 31 87 | 6 114 |
| 0.000 | 9.620 | 0.000 | 9.330 | 0.720 | 9.620 | 1.520 | 10.180 |
| 4.420 | 10.210 | 7.310 | 10.150 | 14.360 | 6.690 | 18.740 | 6.420 |
| 21.510 | 5.650 | 25.880 | 5.350 | 29.970 | 4.150 | 39.420 | 4.160 |
| 43.360 | 3.460 | 47.800 | 3.370 | 51.780 | 3.080 | 55.370 | 2.480 |
| 62.350 | 2.140 | 70.000 | 2.170 | 80.000 | 2.090 | 85.940 | 2.270 |
| 96.550 | 1.860 | 106.870 | 1.960 | 115.930 | 2.090 | 125.240 | 2.060 |
| 134.810 | 1.960 | 144.000 | 2.340 | 148.680 | 2.410 | 154.670 | 2.090 |
| 161.120 | 2.570 | 171.420 | 2.840 | 175.770 | 2.550 | 175.770 | 2.660 |
| 175.770 | 2.560 | 177.070 | 2.240 | 178.660 | 1.190 | 180.760 | 0.790 |
| 182.500 | 0.510 | 183.500 | 0.260 | 184.010 | -0.430 | 185.750 | -0.480 |
| 190.740 | -2.830 | 195.730 | -3.880 | 200.720 | -4.030 | 205.710 | -4.330 |
| 210.700 | -4.730 | 215.690 | -3.980 | 220.680 | -3.120 | 225.670 | -4.620 |
| 230.660 | -4.290 | 235.650 | -3.680 | 240.640 | -4.720 | 245.630 | -4.090 |
| 250.620 | -5.150 | 255.610 | -3.840 | 260.600 | -4.640 | 265.590 | -3.760 |
| 270.580 | -2.060 | 275.570 | -2.310 | 280.560 | -2.510 | 285.550 | -2.540 |
| 290.540 | -2.690 | 295.530 | -2.750 | 300.520 | -2.790 | 305.510 | -2.840 |
| 310.500 | -2.870 | 315.490 | -2.910 | 320.480 | -2.850 | 325.470 | -2.700 |
| 330.460 | -2.670 | 335.450 | -2.700 | 340.440 | -2.740 | 345.430 | -2.940 |
| 350.420 | -2.980 | 355.410 | -3.320 | 360.400 | -3.480 | 365.390 | -3.730 |
| 370.380 | -4.010 | 375.370 | -4.080 | 380.360 | -3.930 | 385.350 | -3.590 |
| 390.340 | -3.230 | 395.330 | -3.130 | 400.320 | -3.100 | 405.310 | -3.140 |
| 410.300 | -2.820 | 413.600 | 0.580 | 416.890 | 2.620 | 417.790 | 2.680 |
| 420.980 | 2.790 | 426.500 | 2.550 | 426.810 | 2.250 | 429.040 | 2.220 |
| 430.580 | 3.110 | 431.040 | 3.250 | 432.790 | 2.360 | 437.090 | 2.530 |
| 443.690 | 3.170 | 444.960 | 4.360 | 448.410 | 4.510 | 448.410 | 3.530 |
| 455.680 | 3.280 | 464.690 | 3.240 | 475.190 | 3.350 | 483.160 | 3.400 |
| 492.230 | 3.160 | 496.160 | 5.170 | 496.970 | 5.240 | 497.330 | 5.340 |
| 501.300 | 5.580 | 504.090 | 6.990 | 504.090 | 7.000 | 506.640 | 8.280 |
| 508.160 | 8.350 | 509.460 | 8.990 | 513.750 | 9.130 | 518.590 | 9.090 |
| 522.190 | 7.180 | 526.230 | 7.170 | 527.120 | 6.520 | 528.190 | 6.580 |
| 528.770 | 5.330 | 532.570 | 5.210 | 532.570 | 4.850 | 532.930 | 4.850 |
| 532.930 | 5.210 | 533.060 | 5.210 | 533.060 | 5.340 | 533.060 | 5.210 |
| 533.060 | 5.210 | 533.300 | 5.250 | 534.150 | 5.140 | 545.770 | 5.110 |
| 550.640 | 5.180 | 550.690 | 4.750 | 551.050 | 4.750 | 551.050 | 5.110 |
| 551.100 | 5.250 | 551.560 | 5.210 | | | | |
| 21.4 | 0.000 | | | | 129 | 27 96 | 6 110 |
| 0.000 | 9.730 | 0.000 | 9.430 | 0.860 | 9.790 | 1.430 | 10.070 |
| 3.680 | 10.120 | 6.720 | 10.080 | 14.300 | 6.670 | 18.410 | 6.350 |
| 20.910 | 5.620 | 25.540 | 5.530 | 29.700 | 4.180 | 37.550 | 4.070 |
| 41.530 | 3.990 | 50.500 | 2.550 | 60.920 | 2.460 | 69.900 | 2.630 |
| 75.830 | 2.660 | 80.910 | 2.410 | 86.110 | 2.680 | 92.950 | 2.760 |
| 92.950 | 3.030 | 92.950 | 2.760 | 102.940 | 2.540 | 112.920 | 2.440 |
| 122.910 | 2.540 | 132.890 | 2.490 | 139.880 | 2.820 | 142.880 | 0.730 |
| 152.860 | 0.630 | 162.850 | 0.590 | 172.830 | 0.590 | 182.820 | 0.560 |
| 192.800 | 0.540 | 202.790 | 0.590 | 203.790 | 0.590 | 207.280 | 0.890 |
| 207.780 | 1.890 | 208.680 | 1.890 | 209.880 | 1.050 | 212.770 | 0.900 |
| 222.760 | 0.800 | 224.760 | 0.720 | 227.750 | 0.420 | 232.740 | -0.200 |
| 237.740 | -2.050 | 242.730 | -2.320 | 247.720 | -2.420 | 252.710 | -2.720 |
| 257.710 | -2.650 | 262.700 | -2.720 | 267.690 | -2.730 | 272.690 | -2.870 |
| 277.680 | -3.370 | 282.670 | -4.190 | 287.660 | -4.250 | 292.660 | -4.250 |
| 297.650 | -4.270 | 302.640 | -4.310 | 307.630 | -4.210 | 312.630 | -4.110 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 317.620 | -3.810 | 322.610 | -3.880 | 327.600 | -4.010 | 332.600 | -3.980 |
| 337.590 | -3.940 | 342.580 | -3.810 | 347.580 | -3.580 | 352.570 | -3.460 |
| 357.560 | -3.260 | 362.550 | -2.840 | 367.550 | -2.270 | 372.540 | -1.950 |
| 377.530 | -1.500 | 382.520 | -1.250 | 387.520 | -1.160 | 392.510 | -1.270 |
| 397.500 | -1.200 | 402.490 | -1.200 | 407.490 | -1.250 | 412.480 | -1.230 |
| 417.470 | -1.330 | 422.460 | -1.350 | 427.460 | -1.500 | 432.450 | -1.790 |
| 437.440 | -1.840 | 442.440 | -1.940 | 447.430 | -2.020 | 452.420 | -1.990 |
| 457.410 | -1.990 | 462.410 | -1.920 | 467.400 | -1.490 | 472.390 | -0.840 |
| 476.190 | -0.320 | 477.380 | 0.460 | 477.880 | 0.760 | 479.680 | 1.950 |
| 481.080 | 1.910 | 485.920 | 1.930 | 489.650 | 1.790 | 496.240 | 1.970 |
| 502.660 | 5.210 | 503.560 | 5.310 | 503.760 | 5.370 | 508.010 | 5.720 |
| 513.150 | 8.330 | 514.160 | 8.400 | 514.660 | 8.390 | 514.660 | 8.700 |
| 514.660 | 8.380 | 515.190 | 8.390 | 518.430 | 8.430 | 520.770 | 8.550 |
| 523.660 | 8.620 | 527.070 | 8.570 | 529.390 | 8.380 | 532.140 | 6.690 |
| 533.810 | 6.200 | 534.860 | 6.080 | 535.400 | 6.020 | 535.400 | 5.790 |
| 535.640 | 5.790 | 535.640 | 6.070 | 536.350 | 6.100 | 548.370 | 6.080 |
| 549.030 | 6.040 | 549.080 | 5.750 | 549.320 | 5.750 | 549.320 | 5.990 |
| 551.810 | 6.080 | | | | | | |
| 21.6 | 0.000 | | | | 162 | 26 93 | 6 146 |
| 0.000 | 9.970 | 0.000 | 9.690 | 0.660 | 9.880 | 1.000 | 10.210 |
| 3.980 | 10.220 | 6.940 | 10.140 | 14.010 | 7.070 | 18.400 | 6.700 |
| 21.030 | 5.950 | 25.000 | 5.740 | 26.420 | 5.480 | 29.700 | 4.360 |
| 37.110 | 4.280 | 42.640 | 4.120 | 48.240 | 2.970 | 54.310 | 2.480 |
| 61.530 | 2.180 | 69.440 | 2.390 | 73.480 | 2.130 | 83.050 | 2.420 |
| 93.180 | 2.390 | 94.220 | 2.590 | 96.020 | 2.540 | 96.020 | 2.710 |
| 96.020 | 2.580 | 98.320 | 2.290 | 98.320 | 1.210 | 99.120 | 0.860 |
| 101.010 | 0.460 | 102.190 | 0.290 | 106.010 | -0.350 | 111.000 | -3.160 |
| 115.990 | -3.360 | 120.980 | -2.960 | 125.980 | -2.660 | 130.970 | -2.530 |
| 135.960 | -3.040 | 140.950 | -2.670 | 145.950 | -3.320 | 150.940 | -3.220 |
| 155.930 | -3.200 | 160.920 | -3.170 | 165.920 | -3.120 | 170.910 | -3.040 |
| 175.900 | -3.130 | 180.890 | -3.450 | 185.890 | -3.580 | 190.880 | -3.500 |
| 195.870 | -3.350 | 200.860 | -3.120 | 205.860 | -2.680 | 210.850 | -2.380 |
| 215.840 | -1.830 | 220.830 | -1.570 | 225.830 | -1.420 | 230.820 | -1.880 |
| 235.810 | -1.640 | 240.800 | -1.660 | 245.800 | -1.780 | 250.790 | -1.670 |
| 255.780 | -1.990 | 260.770 | -2.100 | 265.770 | -1.920 | 270.760 | -2.570 |
| 275.750 | -2.450 | 280.740 | -3.240 | 285.740 | -3.310 | 290.730 | -2.050 |
| 295.720 | -2.170 | 300.710 | -3.000 | 305.710 | -3.670 | 310.700 | -3.070 |
| 315.690 | -2.260 | 320.680 | -2.060 | 325.680 | -2.150 | 330.670 | -2.240 |
| 335.660 | -2.170 | 340.650 | -2.160 | 345.650 | -2.070 | 350.640 | -1.950 |
| 355.630 | -1.980 | 360.620 | -1.860 | 365.620 | -1.740 | 370.610 | -1.650 |
| 375.600 | -1.390 | 380.590 | -1.170 | 383.790 | -1.220 | 385.590 | -0.630 |
| 388.480 | 0.230 | 390.280 | 0.830 | 390.280 | 1.000 | 390.280 | 0.860 |
| 393.640 | 2.080 | 396.530 | 2.110 | 399.520 | 0.870 | 401.410 | 0.620 |
| 404.540 | 0.270 | 408.540 | 0.260 | 413.540 | 0.320 | 418.540 | 0.330 |
| 423.540 | 0.360 | 428.540 | 0.370 | 433.540 | 0.350 | 438.540 | 0.350 |
| 444.540 | 0.360 | 450.540 | 0.450 | 454.190 | 0.620 | 455.030 | 0.830 |
| 461.440 | 1.190 | 464.050 | 2.000 | 473.500 | 2.130 | 481.340 | 2.250 |
| 483.680 | 2.650 | 488.920 | 5.180 | 489.810 | 5.260 | 490.150 | 5.340 |
| 494.310 | 5.660 | 494.700 | 5.770 | 494.700 | 5.950 | 495.100 | 5.970 |
| 495.100 | 6.150 | 495.500 | 6.160 | 495.500 | 6.340 | 495.890 | 6.360 |
| 495.890 | 6.540 | 496.280 | 6.560 | 496.280 | 6.740 | 496.690 | 6.750 |
| 496.690 | 6.930 | 497.090 | 6.950 | 497.090 | 7.130 | 497.470 | 7.140 |
| 497.470 | 7.320 | 497.840 | 7.340 | 497.840 | 7.520 | 498.160 | 7.520 |
| 498.160 | 7.660 | 498.440 | 7.670 | 498.440 | 7.820 | 498.710 | 7.830 |
| 498.710 | 7.990 | 499.020 | 8.000 | 499.020 | 8.140 | 499.380 | 8.150 |
| 500.020 | 8.170 | 500.540 | 8.170 | 500.540 | 8.490 | 500.540 | 8.170 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 501.060 | 8.180 | 505.090 | 8.250 | 507.960 | 8.440 | 510.850 | 8.360 |
| 511.290 | 8.390 | 512.420 | 7.930 | 515.200 | 7.420 | 518.300 | 7.410 |
| 521.690 | 7.280 | 529.080 | 7.000 | 535.010 | 6.700 | 540.340 | 6.540 |
| 540.340 | 6.650 | 545.330 | 6.660 | | | | |
| 21.8 | 0.000 | | | | 160 | 27 97 | 6 141 |
| 0.000 | 9.970 | 0.000 | 9.680 | 0.720 | 9.970 | 1.430 | 10.320 |
| 4.220 | 10.320 | 7.060 | 10.260 | 14.570 | 6.740 | 21.620 | 6.500 |
| 24.030 | 6.150 | 28.170 | 4.970 | 35.520 | 4.940 | 41.150 | 4.470 |
| 46.680 | 3.490 | 50.280 | 2.960 | 59.470 | 2.640 | 66.410 | 2.630 |
| 69.130 | 2.230 | 75.910 | 2.300 | 78.440 | 2.020 | 81.850 | 2.000 |
| 82.760 | 2.130 | 83.410 | 2.460 | 87.400 | 2.520 | 88.310 | 2.270 |
| 88.310 | 2.440 | 88.310 | 2.300 | 89.130 | 2.290 | 89.130 | 1.500 |
| 91.200 | 0.640 | 93.300 | 0.350 | 94.650 | 0.150 | 98.290 | -0.330 |
| 103.280 | -2.000 | 108.270 | -3.000 | 113.260 | -3.230 | 118.250 | -3.250 |
| 123.240 | -3.200 | 128.240 | -3.220 | 133.230 | -3.100 | 138.220 | -2.950 |
| 143.210 | -2.950 | 148.200 | -2.860 | 153.190 | -2.710 | 158.180 | -2.660 |
| 163.170 | -2.840 | 168.160 | -2.820 | 173.150 | -2.760 | 178.140 | -2.810 |
| 183.130 | -2.740 | 188.120 | -2.910 | 193.110 | -3.060 | 198.100 | -2.960 |
| 203.090 | -3.020 | 208.090 | -3.050 | 213.080 | -3.150 | 218.070 | -3.110 |
| 223.060 | -3.150 | 228.050 | -3.030 | 233.040 | -3.060 | 238.030 | -3.070 |
| 243.020 | -3.070 | 248.010 | -2.980 | 253.000 | -2.870 | 257.990 | -2.790 |
| 262.980 | -2.580 | 267.970 | -2.240 | 272.960 | -1.970 | 277.950 | -1.740 |
| 282.950 | -1.610 | 287.940 | -1.600 | 292.930 | -1.500 | 297.920 | -1.480 |
| 302.910 | -1.380 | 307.900 | -1.340 | 312.890 | -1.070 | 317.880 | -1.090 |
| 322.870 | -1.040 | 327.860 | -1.370 | 332.850 | -1.310 | 337.840 | -1.040 |
| 342.830 | -0.990 | 347.820 | -1.030 | 352.810 | -1.000 | 357.800 | -1.010 |
| 362.800 | -0.960 | 367.290 | -0.890 | 367.790 | -0.790 | 370.580 | -0.290 |
| 372.780 | -0.340 | 375.580 | -0.290 | 375.580 | 0.100 | 375.580 | 0.680 |
| 375.080 | 0.680 | 375.080 | 1.170 | 375.770 | 1.170 | 377.920 | 1.280 |
| 381.450 | 3.050 | 382.460 | 3.090 | 382.760 | 3.100 | 387.820 | 3.170 |
| 388.380 | 2.620 | 398.710 | 2.590 | 401.470 | 2.890 | 405.920 | 3.030 |
| 415.920 | 3.110 | 425.920 | 3.130 | 435.920 | 3.120 | 443.310 | 3.130 |
| 450.250 | 3.110 | 454.220 | 5.150 | 455.380 | 5.230 | 459.700 | 5.700 |
| 460.060 | 5.780 | 460.060 | 5.970 | 460.450 | 5.980 | 460.450 | 6.160 |
| 460.840 | 6.180 | 460.840 | 6.360 | 461.240 | 6.380 | 461.240 | 6.560 |
| 461.640 | 6.580 | 461.640 | 6.760 | 462.040 | 6.780 | 462.040 | 6.960 |
| 462.400 | 6.980 | 462.400 | 7.150 | 462.800 | 7.160 | 462.800 | 7.350 |
| 463.210 | 7.360 | 463.210 | 7.530 | 463.490 | 7.540 | 463.490 | 7.680 |
| 463.780 | 7.680 | 463.780 | 7.830 | 464.030 | 7.830 | 464.030 | 7.990 |
| 464.370 | 7.990 | 464.370 | 8.140 | 464.690 | 8.140 | 465.400 | 8.190 |
| 465.920 | 8.180 | 465.920 | 8.480 | 465.920 | 8.190 | 466.420 | 8.180 |
| 471.650 | 8.180 | 474.500 | 8.280 | 477.460 | 8.260 | 477.760 | 8.160 |
| 479.090 | 8.020 | 480.330 | 7.650 | 483.370 | 7.360 | 483.890 | 6.780 |
| 483.890 | 6.900 | 483.890 | 6.780 | 483.890 | 6.780 | 487.220 | 7.080 |
| 488.970 | 7.140 | 508.080 | 7.110 | 508.200 | 7.110 | 508.200 | 6.970 |
| 22.0 | 0.000 | | | | 136 | 25 95 | 6 110 |
| 0.000 | 9.980 | 0.000 | 9.670 | 0.730 | 9.960 | 1.100 | 10.200 |
| 3.950 | 10.280 | 7.280 | 10.220 | 14.330 | 6.870 | 19.050 | 6.470 |
| 21.800 | 5.830 | 26.100 | 5.660 | 29.940 | 4.610 | 34.530 | 4.400 |
| 38.130 | 3.450 | 42.330 | 3.260 | 47.540 | 2.450 | 53.100 | 2.280 |
| 55.660 | 2.010 | 64.230 | 2.110 | 72.540 | 2.310 | 78.910 | 2.370 |
| 83.830 | 2.430 | 85.580 | 2.450 | 85.580 | 2.590 | 85.580 | 2.430 |
| 86.730 | 2.430 | 86.730 | 1.040 | 90.580 | 0.250 | 91.860 | 0.050 |
| 95.570 | -0.450 | 100.570 | -2.300 | 105.570 | -2.500 | 110.560 | -2.520 |
| 115.560 | -2.830 | 120.560 | -3.000 | 125.550 | -3.100 | 130.550 | -3.200 |
| 135.550 | -3.210 | 140.540 | -3.020 | 145.540 | -3.100 | 150.540 | -3.080 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 155.530 | -3.080 | 160.530 | -3.040 | 165.530 | -2.740 | 170.520 | -2.630 |
| 175.520 | -2.230 | 180.510 | -1.990 | 185.510 | -2.090 | 190.510 | -2.120 |
| 195.500 | -2.220 | 200.500 | -2.920 | 205.500 | -2.900 | 210.490 | -2.920 |
| 215.490 | -2.690 | 220.490 | -2.580 | 225.480 | -2.470 | 230.480 | -1.270 |
| 235.480 | -1.360 | 240.470 | -1.520 | 245.470 | -1.870 | 250.470 | -2.430 |
| 255.460 | -2.880 | 260.460 | -3.180 | 265.460 | -3.720 | 270.450 | -4.280 |
| 275.450 | -4.750 | 280.450 | -5.360 | 285.440 | -5.880 | 290.440 | -6.410 |
| 295.440 | -6.970 | 300.430 | -6.970 | 305.430 | -5.690 | 310.430 | -3.540 |
| 315.420 | -3.040 | 320.420 | -2.970 | 325.420 | -2.790 | 330.410 | -2.690 |
| 335.410 | -2.190 | 340.410 | -1.670 | 345.400 | -1.880 | 350.400 | -1.700 |
| 355.400 | -1.600 | 360.390 | -2.130 | 363.090 | -2.180 | 364.790 | -0.420 |
| 365.390 | -0.250 | 366.190 | -0.200 | 370.380 | -0.280 | 371.100 | -0.280 |
| 371.100 | 0.000 | 371.100 | 0.680 | 370.620 | 0.680 | 370.620 | 1.190 |
| 371.310 | 1.190 | 373.480 | 1.300 | 377.080 | 3.090 | 378.080 | 3.140 |
| 378.400 | 3.130 | 383.250 | 3.170 | 383.650 | 2.880 | 393.640 | 2.930 |
| 402.140 | 2.970 | 410.860 | 2.940 | 420.400 | 2.990 | 429.530 | 2.940 |
| 433.900 | 5.150 | 434.750 | 5.210 | 435.000 | 5.310 | 438.930 | 5.690 |
| 442.810 | 7.590 | 443.980 | 8.260 | 444.880 | 8.250 | 445.400 | 8.270 |
| 445.400 | 8.550 | 445.400 | 8.270 | 445.930 | 8.260 | 456.540 | 8.450 |
| 458.300 | 8.500 | 460.940 | 8.430 | 462.640 | 7.420 | 463.150 | 7.250 |
| 467.760 | 5.140 | 469.350 | 5.030 | 471.010 | 5.050 | 473.070 | 4.920 |
| 474.090 | 4.780 | 474.170 | 4.670 | 474.240 | 4.470 | 474.540 | 4.470 |
| 474.540 | 4.670 | 474.600 | 4.780 | 474.900 | 4.800 | 474.900 | 4.910 |
| 474.900 | 4.800 | 474.900 | 4.800 | 484.640 | 4.830 | 490.070 | 4.930 |
| 22.2 | 0.000 | | | | 128 | 30 93 | 5 104 |
| 0.000 | 10.450 | 0.000 | 10.140 | 0.260 | 10.310 | 3.580 | 10.350 |
| 6.550 | 10.330 | 13.780 | 7.020 | 18.180 | 6.600 | 20.670 | 5.980 |
| 25.430 | 5.750 | 28.940 | 4.610 | 31.300 | 4.350 | 35.530 | 2.630 |
| 42.780 | 2.060 | 52.100 | 2.020 | 60.660 | 2.280 | 66.960 | 2.460 |
| 74.730 | 2.580 | 77.600 | 2.680 | 83.000 | 1.960 | 86.590 | 1.630 |
| 93.500 | 1.670 | 101.150 | 1.670 | 104.880 | 1.570 | 109.920 | 2.510 |
| 117.400 | 3.060 | 120.850 | 3.590 | 121.570 | 3.580 | 121.570 | 3.770 |
| 121.570 | 3.570 | 121.910 | 3.580 | 125.260 | 1.380 | 126.560 | 1.080 |
| 131.550 | 0.660 | 136.540 | 0.530 | 141.530 | 0.300 | 146.530 | 0.990 |
| 151.520 | 0.080 | 153.410 | -0.060 | 156.510 | -0.310 | 161.500 | -0.510 |
| 166.490 | -0.790 | 171.480 | -0.890 | 176.470 | -1.190 | 181.460 | -1.170 |
| 186.450 | -1.350 | 191.450 | -1.520 | 196.440 | -1.650 | 201.430 | -2.050 |
| 206.420 | -2.350 | 211.410 | -2.420 | 216.400 | -3.000 | 221.390 | -2.390 |
| 226.380 | -2.330 | 231.370 | -2.460 | 236.370 | -2.700 | 241.360 | -2.740 |
| 246.350 | -2.830 | 251.340 | -2.740 | 256.330 | -2.740 | 261.320 | -2.580 |
| 266.310 | -2.590 | 271.300 | -2.840 | 276.290 | -2.790 | 281.290 | -2.850 |
| 286.280 | -2.920 | 291.270 | -2.880 | 296.260 | -2.730 | 301.250 | -2.650 |
| 306.240 | -2.590 | 311.230 | -2.190 | 316.220 | -1.990 | 321.210 | -1.940 |
| 326.210 | -1.800 | 331.200 | -1.650 | 336.190 | -1.720 | 341.180 | -1.790 |
| 346.170 | -1.750 | 351.160 | -1.670 | 356.150 | -1.560 | 360.640 | -1.550 |
| 361.140 | -1.500 | 362.990 | -0.300 | 363.740 | -0.260 | 366.130 | -0.260 |
| 368.650 | -0.270 | 368.650 | -0.110 | 368.650 | 0.670 | 368.190 | 0.670 |
| 368.190 | 1.180 | 368.890 | 1.180 | 371.000 | 1.270 | 374.720 | 3.110 |
| 376.040 | 3.160 | 386.040 | 3.200 | 389.850 | 3.250 | 398.510 | 3.270 |
| 408.220 | 3.330 | 418.320 | 3.430 | 427.440 | 3.450 | 431.180 | 5.250 |
| 431.990 | 5.340 | 432.580 | 5.440 | 436.310 | 5.750 | 441.710 | 8.480 |
| 442.720 | 8.480 | 443.220 | 8.490 | 443.220 | 8.780 | 443.220 | 8.480 |
| 443.720 | 8.480 | 450.200 | 8.630 | 452.270 | 8.590 | 454.160 | 8.670 |
| 457.570 | 8.660 | 458.000 | 8.650 | 463.810 | 5.400 | 465.760 | 4.720 |
| 469.370 | 4.690 | 470.080 | 4.620 | 470.080 | 4.320 | 470.380 | 4.320 |
| 470.380 | 4.620 | 470.780 | 4.730 | 470.780 | 4.850 | 470.780 | 4.730 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 470.780 | 4.730 | 470.880 | 4.770 | 473.580 | 4.720 | 474.330 | 4.750 |
| 22.4 | 0.000 | | | | 128 | 34 91 | 6 106 |
| 0.000 | 10.160 | 0.000 | 9.850 | 0.560 | 10.040 | 0.920 | 10.270 |
| 3.810 | 10.290 | 7.000 | 10.250 | 13.820 | 6.990 | 18.870 | 6.620 |
| 21.340 | 5.830 | 25.300 | 5.730 | 26.780 | 5.410 | 30.000 | 4.350 |
| 33.000 | 4.120 | 38.420 | 2.840 | 44.490 | 2.260 | 52.240 | 2.030 |
| 60.720 | 1.910 | 66.420 | 2.480 | 74.740 | 2.540 | 80.130 | 2.670 |
| 84.300 | 2.650 | 87.680 | 2.230 | 90.640 | 2.290 | 96.570 | 2.880 |
| 102.300 | 3.720 | 104.980 | 3.480 | 112.500 | 2.720 | 117.740 | 1.890 |
| 124.480 | 1.600 | 127.560 | 1.690 | 127.560 | 1.810 | 127.560 | 1.710 |
| 127.910 | 1.680 | 128.810 | 0.730 | 132.550 | 0.260 | 137.540 | -0.130 |
| 138.200 | -0.140 | 142.520 | -0.280 | 147.510 | -0.300 | 152.500 | -0.460 |
| 157.490 | -0.740 | 162.480 | -1.090 | 167.470 | -1.620 | 172.450 | -1.740 |
| 177.440 | -1.930 | 182.430 | -1.980 | 187.420 | -1.960 | 192.410 | -2.070 |
| 197.400 | -2.050 | 202.380 | -1.980 | 207.370 | -1.990 | 212.360 | -2.080 |
| 217.350 | -2.350 | 222.340 | -2.570 | 227.320 | -2.760 | 232.310 | -2.110 |
| 237.300 | -1.880 | 242.290 | -1.920 | 247.280 | -1.920 | 252.270 | -1.850 |
| 257.250 | -1.820 | 262.240 | -2.040 | 267.230 | -2.510 | 272.220 | -2.630 |
| 277.210 | -3.030 | 282.200 | -3.270 | 287.180 | -3.190 | 292.170 | -2.970 |
| 297.160 | -2.230 | 302.150 | -2.000 | 307.140 | -1.990 | 312.120 | -1.790 |
| 317.110 | -1.630 | 322.100 | -1.620 | 327.090 | -1.060 | 332.080 | -0.780 |
| 337.070 | -0.180 | 342.050 | 0.120 | 347.040 | 0.180 | 352.030 | 0.010 |
| 357.020 | 0.050 | 361.510 | -0.120 | 362.010 | -0.290 | 366.580 | -0.420 |
| 366.580 | 0.660 | 366.100 | 0.660 | 366.100 | 1.190 | 366.800 | 1.190 |
| 368.940 | 1.260 | 372.730 | 3.120 | 374.060 | 3.160 | 374.180 | 3.170 |
| 384.010 | 3.270 | 389.270 | 3.300 | 397.780 | 3.330 | 406.680 | 3.370 |
| 416.220 | 3.380 | 426.320 | 3.440 | 429.780 | 5.190 | 430.460 | 5.280 |
| 430.970 | 5.370 | 434.910 | 5.780 | 440.340 | 8.490 | 441.290 | 8.510 |
| 441.780 | 8.510 | 441.780 | 8.800 | 441.780 | 8.510 | 442.290 | 8.510 |
| 451.730 | 8.630 | 454.440 | 8.680 | 456.940 | 8.660 | 457.140 | 8.660 |
| 457.570 | 8.620 | 462.780 | 5.690 | 466.140 | 4.510 | 469.000 | 4.460 |
| 470.280 | 4.360 | 470.360 | 4.260 | 470.400 | 3.990 | 470.690 | 3.990 |
| 470.690 | 4.260 | 470.740 | 4.360 | 471.070 | 4.390 | 471.070 | 4.590 |
| 471.070 | 4.390 | 472.060 | 4.600 | 473.530 | 4.600 | 477.350 | 4.560 |
| 22.6 | 0.000 | | | | 140 | 24 96 | 5 111 |
| 0.000 | 11.050 | 0.000 | 10.750 | 0.740 | 11.110 | 1.350 | 11.450 |
| 7.950 | 11.480 | 10.810 | 9.770 | 19.620 | 8.860 | 21.550 | 8.140 |
| 21.550 | 7.970 | 27.400 | 7.830 | 31.930 | 5.640 | 32.220 | 5.630 |
| 32.270 | 5.480 | 37.980 | 2.710 | 42.730 | 2.400 | 50.000 | 2.540 |
| 58.810 | 2.670 | 66.280 | 2.760 | 70.000 | 2.690 | 77.830 | 2.970 |
| 86.240 | 2.820 | 95.330 | 2.760 | 103.260 | 2.770 | 106.180 | 2.720 |
| 112.660 | 2.050 | 118.730 | 1.660 | 119.830 | 1.580 | 120.530 | 1.140 |
| 123.720 | 0.690 | 126.330 | 0.390 | 128.710 | 0.160 | 133.700 | -0.190 |
| 138.680 | -0.680 | 143.670 | -1.190 | 148.660 | -1.220 | 153.650 | -1.400 |
| 158.640 | -1.700 | 163.630 | -1.790 | 168.620 | -1.780 | 173.610 | -2.020 |
| 178.590 | -2.110 | 183.580 | -2.010 | 188.570 | -2.070 | 193.560 | -1.990 |
| 198.550 | -1.990 | 203.540 | -1.870 | 208.530 | -1.810 | 213.510 | -1.890 |
| 218.500 | -1.900 | 223.490 | -1.990 | 228.480 | -1.890 | 233.470 | -2.260 |
| 238.460 | -2.180 | 243.450 | -1.960 | 248.440 | -1.930 | 253.420 | -2.080 |
| 258.410 | -1.970 | 263.400 | -1.870 | 268.390 | -1.800 | 273.380 | -1.670 |
| 278.370 | -1.450 | 283.360 | -1.250 | 288.340 | -1.250 | 293.330 | -1.020 |
| 298.320 | -0.850 | 303.310 | -0.520 | 308.300 | -0.190 | 313.290 | -0.090 |
| 318.280 | -0.130 | 323.260 | -0.060 | 328.250 | 0.100 | 333.240 | 0.200 |
| 338.230 | 0.120 | 339.930 | 0.440 | 343.220 | 0.730 | 343.720 | 0.760 |
| 343.720 | 0.860 | 343.720 | 0.750 | 344.320 | 0.810 | 344.870 | 0.740 |
| 346.150 | 0.270 | 346.850 | 0.360 | 347.520 | 0.740 | 350.680 | 0.930 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 355.500 | 0.970 | 358.820 | 0.950 | 359.640 | 0.750 | 360.470 | 0.190 |
| 362.370 | -0.330 | 365.590 | -0.400 | 365.590 | 0.660 | 365.290 | 0.660 |
| 365.290 | 1.150 | 366.010 | 1.150 | 368.120 | 1.240 | 372.010 | 3.120 |
| 373.270 | 3.180 | 383.390 | 3.220 | 393.420 | 3.290 | 400.500 | 3.340 |
| 411.090 | 3.370 | 422.210 | 3.440 | 432.370 | 3.510 | 435.070 | 4.970 |
| 435.910 | 4.970 | 436.690 | 5.120 | 440.960 | 5.410 | 444.060 | 7.030 |
| 447.730 | 9.000 | 448.420 | 9.450 | 448.420 | 9.740 | 448.420 | 9.450 |
| 449.520 | 10.060 | 450.030 | 10.170 | 450.540 | 10.090 | 457.330 | 10.140 |
| 462.850 | 10.000 | 463.380 | 10.060 | 464.560 | 9.990 | 467.020 | 9.250 |
| 471.140 | 8.880 | 473.790 | 7.760 | 474.210 | 6.580 | 477.040 | 5.470 |
| 479.940 | 4.210 | 482.050 | 4.160 | 486.930 | 4.180 | 487.670 | 4.270 |
| 487.750 | 4.170 | 487.790 | 3.870 | 488.110 | 3.870 | 488.110 | 4.170 |
| 488.150 | 4.270 | 488.470 | 4.320 | 488.470 | 4.430 | 488.470 | 4.320 |
| 488.470 | 4.320 | 491.780 | 4.360 | 493.230 | 3.590 | 494.220 | 3.330 |
| 22.8 | 0.000 | | | | 160 | 22.64 | 6.141 |
| 0.000 | 10.240 | 0.000 | 9.940 | 0.440 | 10.090 | 0.730 | 10.360 |
| 3.650 | 10.400 | 7.000 | 10.330 | 12.770 | 7.620 | 15.610 | 7.490 |
| 17.580 | 6.650 | 19.220 | 6.420 | 21.980 | 5.760 | 26.080 | 5.740 |
| 30.840 | 4.160 | 34.600 | 3.980 | 40.320 | 2.600 | 50.000 | 2.750 |
| 56.790 | 2.860 | 64.230 | 2.930 | 74.100 | 3.120 | 83.540 | 3.490 |
| 87.910 | 3.770 | 93.230 | 3.660 | 93.230 | 3.890 | 93.230 | 3.690 |
| 94.880 | 2.770 | 96.430 | 0.910 | 97.880 | 0.650 | 98.230 | 0.190 |
| 103.230 | -0.160 | 108.230 | -0.780 | 113.230 | -0.960 | 118.230 | -1.100 |
| 123.240 | -1.210 | 128.240 | -1.560 | 133.240 | -1.740 | 138.240 | -1.910 |
| 143.240 | -1.950 | 148.240 | -1.950 | 153.240 | -1.870 | 158.240 | -1.850 |
| 163.240 | -1.820 | 168.240 | -1.860 | 173.250 | -1.820 | 178.250 | -1.800 |
| 183.250 | -1.580 | 188.250 | -1.780 | 193.250 | -1.570 | 198.250 | -1.540 |
| 203.250 | -1.790 | 208.250 | -1.890 | 213.250 | -1.790 | 218.250 | -1.440 |
| 223.260 | -1.750 | 228.260 | -1.550 | 233.260 | -1.850 | 238.260 | -1.890 |
| 243.260 | -1.880 | 248.260 | -1.830 | 253.260 | -1.240 | 258.260 | -0.080 |
| 259.760 | 0.040 | 262.210 | 0.440 | 263.260 | 0.440 | 263.860 | 0.590 |
| 264.010 | 1.230 | 275.170 | 1.100 | 275.670 | 1.530 | 278.270 | 1.560 |
| 280.970 | 0.890 | 283.270 | 0.820 | 288.270 | 0.920 | 293.270 | 0.800 |
| 295.070 | 0.990 | 296.330 | 1.640 | 297.370 | 1.800 | 297.370 | 1.900 |
| 297.370 | 1.740 | 300.270 | 1.650 | 301.320 | 1.110 | 302.210 | 1.050 |
| 302.710 | 1.480 | 304.300 | 1.530 | 304.770 | 0.880 | 311.830 | 0.660 |
| 315.920 | 0.460 | 321.200 | 0.910 | 325.680 | 1.130 | 327.990 | 1.010 |
| 328.490 | 1.650 | 330.200 | 1.630 | 331.410 | 0.600 | 333.250 | 0.510 |
| 336.090 | 1.670 | 341.790 | 1.640 | 347.210 | 1.720 | 349.920 | 1.590 |
| 351.010 | 1.280 | 357.650 | 0.780 | 358.670 | 0.350 | 360.290 | -0.420 |
| 363.630 | -0.460 | 363.630 | 0.360 | 363.630 | 0.630 | 363.330 | 0.630 |
| 363.330 | 1.160 | 364.030 | 1.160 | 365.860 | 1.220 | 366.380 | 1.230 |
| 366.790 | 1.340 | 366.790 | 1.500 | 367.190 | 1.530 | 367.190 | 1.700 |
| 367.590 | 1.720 | 367.590 | 1.890 | 367.980 | 1.910 | 367.980 | 2.070 |
| 368.350 | 2.110 | 368.350 | 2.280 | 368.750 | 2.290 | 368.750 | 2.460 |
| 369.170 | 2.500 | 369.170 | 2.660 | 369.550 | 2.700 | 369.550 | 2.870 |
| 369.940 | 2.880 | 369.940 | 3.080 | 371.190 | 3.120 | 381.580 | 3.140 |
| 388.190 | 3.160 | 398.100 | 3.180 | 408.680 | 3.260 | 418.590 | 3.350 |
| 428.400 | 3.460 | 432.010 | 5.260 | 432.930 | 5.380 | 433.450 | 5.490 |
| 437.590 | 5.970 | 440.500 | 7.410 | 440.500 | 7.420 | 441.180 | 7.760 |
| 443.900 | 8.820 | 448.390 | 9.150 | 453.530 | 9.040 | 454.440 | 8.500 |
| 456.150 | 8.430 | 459.910 | 7.640 | 463.480 | 7.380 | 463.720 | 7.250 |
| 463.720 | 7.490 | 463.720 | 7.250 | 469.030 | 4.720 | 469.360 | 4.680 |
| 469.440 | 4.400 | 473.650 | 4.300 | 475.200 | 4.010 | 475.200 | 3.650 |
| 475.560 | 3.650 | 475.560 | 4.010 | 475.720 | 3.960 | 483.810 | 4.040 |
| 23.0 | 0.000 | | | | 153 | 45.99 | 23.132 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| -75.050 | 2.820 | -68.660 | 2.730 | -59.850 | 3.410 | -53.130 | 3.640 |
| -50.000 | 4.490 | -47.980 | 4.990 | -44.700 | 4.900 | -36.630 | 4.940 |
| -30.120 | 4.630 | -30.120 | 4.800 | -30.120 | 4.630 | -23.120 | 4.460 |
| -17.900 | 4.090 | -9.960 | 7.260 | -5.280 | 7.630 | -1.140 | 9.500 |
| 0.000 | 9.930 | 0.000 | 10.240 | 0.000 | 9.930 | 0.530 | 10.140 |
| 0.800 | 10.410 | 4.000 | 10.450 | 6.950 | 10.440 | 14.680 | 7.060 |
| 18.920 | 6.570 | 21.640 | 5.930 | 25.590 | 5.750 | 29.550 | 4.270 |
| 35.090 | 3.990 | 38.280 | 3.430 | 41.590 | 3.250 | 47.030 | 2.880 |
| 55.310 | 3.010 | 63.490 | 3.590 | 65.860 | 3.410 | 68.940 | 2.030 |
| 70.610 | 1.200 | 72.100 | 0.910 | 74.130 | 1.170 | 76.750 | 2.780 |
| 79.810 | 2.460 | 81.180 | 2.220 | 81.180 | 2.340 | 81.180 | 2.200 |
| 81.710 | 2.020 | 82.780 | 1.190 | 86.180 | 0.730 | 87.280 | 0.520 |
| 91.180 | -0.600 | 96.180 | -0.630 | 101.180 | -0.530 | 106.180 | -1.280 |
| 111.180 | -1.680 | 116.180 | -1.740 | 121.180 | -1.740 | 126.170 | -1.710 |
| 131.170 | -1.690 | 136.170 | -2.410 | 141.170 | -2.490 | 146.170 | -2.390 |
| 151.170 | -2.220 | 156.170 | -1.910 | 161.170 | -1.750 | 166.170 | -1.680 |
| 171.170 | -1.570 | 176.170 | -1.560 | 181.170 | -1.440 | 186.170 | -1.280 |
| 191.170 | -1.300 | 196.170 | -1.470 | 201.170 | -1.410 | 206.160 | -1.290 |
| 211.160 | -1.250 | 216.160 | -1.210 | 221.160 | -1.310 | 226.160 | -1.330 |
| 231.160 | -1.290 | 236.160 | -1.140 | 241.160 | -1.000 | 246.160 | -0.940 |
| 251.160 | -0.930 | 256.160 | -0.900 | 261.160 | -0.870 | 266.160 | -0.920 |
| 271.160 | -1.080 | 276.160 | -1.160 | 281.160 | -1.520 | 286.150 | -1.240 |
| 291.150 | -0.650 | 296.150 | -0.530 | 301.150 | -0.550 | 306.150 | -0.210 |
| 311.150 | -0.210 | 316.150 | -0.210 | 320.850 | 0.470 | 321.150 | 0.540 |
| 321.750 | 0.740 | 323.250 | 2.250 | 323.950 | 2.390 | 323.950 | 2.500 |
| 323.950 | 2.390 | 325.330 | 2.450 | 334.490 | 2.070 | 343.020 | 1.590 |
| 350.350 | 1.370 | 351.300 | 1.030 | 357.450 | 0.690 | 358.840 | 0.390 |
| 359.050 | 0.220 | 360.630 | -0.400 | 363.770 | -0.590 | 363.770 | 0.240 |
| 363.770 | 0.660 | 363.470 | 0.660 | 363.470 | 1.170 | 364.180 | 1.180 |
| 366.340 | 1.230 | 370.140 | 3.070 | 371.430 | 3.120 | 381.810 | 3.180 |
| 389.590 | 3.150 | 400.420 | 3.190 | 411.450 | 3.250 | 420.980 | 3.350 |
| 430.960 | 3.440 | 434.980 | 5.480 | 435.700 | 5.550 | 436.030 | 5.640 |
| 440.400 | 6.030 | 443.650 | 7.660 | 444.070 | 7.880 | 447.330 | 9.170 |
| 452.370 | 9.410 | 457.600 | 8.090 | 459.470 | 8.250 | 461.950 | 8.250 |
| 462.220 | 7.530 | 465.740 | 7.390 | 466.540 | 7.480 | 471.870 | 4.670 |
| 472.300 | 4.630 | 472.400 | 4.370 | 476.600 | 4.270 | 478.650 | 3.520 |
| 479.930 | 3.410 | 480.110 | 2.960 | 480.110 | 2.850 | 480.210 | 2.530 |
| 480.480 | 2.530 | 480.480 | 2.850 | 480.660 | 2.910 | 483.790 | 2.600 |
| 486.930 | 2.430 | | | | | | |
| 23.2 | 0.000 | | | | 155 | 38 94 | 24 127 |
| -75.190 | 3.360 | -71.040 | 2.910 | -63.420 | 2.650 | -60.150 | 2.900 |
| -55.330 | 2.750 | -47.890 | 2.590 | -40.120 | 3.110 | -33.800 | 4.870 |
| -32.200 | 4.980 | -29.400 | 4.640 | -29.400 | 4.790 | -29.400 | 4.640 |
| -23.090 | 4.380 | -17.350 | 4.370 | -9.800 | 7.510 | -5.520 | 7.670 |
| -1.380 | 9.570 | 0.000 | 10.040 | 0.000 | 10.340 | 0.000 | 10.030 |
| 0.450 | 10.180 | 0.720 | 10.490 | 3.810 | 10.530 | 6.880 | 10.500 |
| 14.110 | 7.230 | 18.550 | 6.860 | 21.620 | 6.050 | 25.590 | 5.950 |
| 29.860 | 4.250 | 34.140 | 4.120 | 38.520 | 3.140 | 41.820 | 3.030 |
| 50.060 | 3.000 | 56.280 | 3.120 | 63.170 | 3.060 | 65.480 | 2.560 |
| 68.290 | 2.420 | 69.870 | 2.170 | 69.870 | 2.320 | 69.870 | 2.140 |
| 71.970 | 1.370 | 74.860 | 0.710 | 76.060 | 0.440 | 79.860 | -0.060 |
| 84.850 | -1.110 | 89.850 | -1.320 | 94.840 | -1.410 | 99.840 | -1.460 |
| 104.830 | -1.510 | 109.820 | -1.690 | 114.820 | -1.720 | 119.810 | -1.870 |
| 124.810 | -1.680 | 129.800 | -1.890 | 134.800 | -1.960 | 139.790 | -1.880 |
| 144.780 | -1.880 | 149.780 | -1.760 | 154.770 | -1.680 | 159.770 | -1.380 |
| 164.760 | -1.360 | 169.750 | -1.300 | 174.750 | -1.160 | 179.740 | -0.970 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 184.740 | -0.820 | 189.730 | -0.760 | 194.730 | -0.740 | 199.720 | -0.690 |
| 204.710 | -0.670 | 209.710 | -0.670 | 214.700 | -0.630 | 219.700 | -0.570 |
| 224.690 | -0.730 | 229.690 | -0.680 | 234.680 | -0.650 | 239.670 | -0.580 |
| 244.670 | -0.490 | 249.660 | -0.400 | 254.660 | -0.240 | 259.650 | -0.210 |
| 264.650 | -0.380 | 269.640 | -0.430 | 274.630 | -0.450 | 279.630 | -0.460 |
| 284.620 | -0.500 | 289.620 | -0.540 | 294.610 | -0.590 | 299.610 | -0.620 |
| 304.600 | -0.510 | 309.590 | -0.060 | 314.270 | 0.380 | 314.590 | 0.390 |
| 319.580 | 0.880 | 322.180 | 1.200 | 324.680 | 1.170 | 327.900 | 1.510 |
| 331.710 | 1.300 | 334.860 | 1.330 | 342.300 | 1.090 | 348.050 | 1.110 |
| 356.670 | 0.770 | 358.060 | 0.130 | 358.290 | 0.120 | 360.180 | -0.450 |
| 363.410 | -0.480 | 363.410 | 0.120 | 363.410 | 0.660 | 363.110 | 0.660 |
| 363.110 | 1.180 | 363.810 | 1.170 | 365.960 | 1.250 | 369.760 | 3.060 |
| 370.940 | 3.090 | 381.250 | 3.100 | 385.060 | 3.100 | 395.140 | 3.150 |
| 405.650 | 3.200 | 416.080 | 3.260 | 426.400 | 3.420 | 433.760 | 3.550 |
| 437.770 | 5.510 | 438.720 | 5.600 | 439.180 | 5.710 | 443.270 | 6.170 |
| 446.400 | 7.720 | 446.830 | 7.930 | 451.220 | 9.680 | 458.130 | 9.780 |
| 458.580 | 10.110 | 459.000 | 10.110 | 462.500 | 8.350 | 464.620 | 8.320 |
| 464.950 | 7.600 | 469.160 | 7.340 | 469.160 | 7.490 | 469.160 | 7.340 |
| 474.500 | 4.670 | 475.120 | 4.580 | 475.240 | 4.310 | 479.270 | 4.260 |
| 479.700 | 4.180 | 480.700 | 3.740 | 482.600 | 3.600 | 482.810 | 3.150 |
| 482.970 | 2.740 | 483.200 | 2.740 | 483.200 | 3.050 | 483.400 | 3.110 |
| 483.400 | 3.260 | 483.400 | 3.110 | 483.400 | 3.110 | 483.680 | 3.140 |
| 484.450 | 3.200 | 485.550 | 3.240 | 493.340 | 3.110 | | |
| 23.4 | 0.000 | | | | 161 | 34 88 | 23 136 |
| -75.580 | 2.940 | -68.040 | 2.690 | -59.950 | 2.340 | -51.860 | 2.260 |
| -45.890 | 2.230 | -40.000 | 3.050 | -37.000 | 3.860 | -33.540 | 5.250 |
| -29.560 | 5.150 | -29.560 | 5.330 | -29.560 | 5.150 | -22.330 | 4.810 |
| -16.910 | 4.820 | -9.700 | 7.440 | -5.180 | 7.810 | -0.880 | 9.890 |
| 0.000 | 10.210 | 0.000 | 10.510 | 0.000 | 10.220 | 0.230 | 10.290 |
| 0.450 | 10.520 | 3.530 | 10.580 | 6.980 | 10.530 | 13.470 | 7.430 |
| 18.240 | 6.990 | 20.270 | 6.340 | 25.030 | 6.190 | 28.320 | 5.210 |
| 34.100 | 4.810 | 37.960 | 4.290 | 41.330 | 2.680 | 44.810 | 2.530 |
| 48.000 | 2.760 | 55.010 | 2.820 | 58.230 | 2.340 | 59.030 | 2.150 |
| 60.530 | 1.050 | 63.230 | 0.770 | 66.850 | 0.350 | 68.230 | 0.250 |
| 73.220 | -0.410 | 78.220 | -1.150 | 83.220 | -1.170 | 88.220 | -1.170 |
| 93.220 | -1.230 | 98.210 | -1.370 | 103.210 | -1.630 | 108.210 | -1.630 |
| 113.210 | -1.190 | 118.210 | -1.240 | 123.200 | -1.240 | 128.200 | -1.370 |
| 133.200 | -1.460 | 138.200 | -1.370 | 143.200 | -1.400 | 148.190 | -1.380 |
| 153.190 | -1.320 | 158.190 | -1.330 | 163.190 | -1.270 | 168.180 | -1.260 |
| 173.180 | -1.230 | 178.180 | -1.210 | 183.180 | -1.190 | 188.180 | -1.200 |
| 193.170 | -1.200 | 198.170 | -1.140 | 203.170 | -1.140 | 208.170 | -1.080 |
| 213.170 | -1.040 | 218.160 | -0.930 | 223.160 | -0.760 | 228.160 | -0.450 |
| 233.160 | -0.300 | 238.160 | -0.240 | 243.150 | -0.190 | 248.150 | -0.150 |
| 253.150 | -0.100 | 258.150 | -0.050 | 263.150 | 0.020 | 268.140 | 0.240 |
| 269.140 | 0.340 | 273.140 | 0.490 | 278.140 | 0.480 | 283.140 | 0.340 |
| 288.140 | 0.410 | 293.130 | 0.420 | 298.130 | 0.620 | 302.230 | 1.320 |
| 302.230 | 1.460 | 302.230 | 1.340 | 312.720 | 1.480 | 321.190 | 1.480 |
| 331.010 | 1.580 | 340.500 | 1.560 | 348.210 | 1.360 | 356.290 | 1.110 |
| 357.400 | 0.430 | 358.050 | 0.140 | 363.010 | 0.110 | 363.010 | 0.430 |
| 363.010 | 0.730 | 362.660 | 0.730 | 362.660 | 1.220 | 363.420 | 1.220 |
| 366.190 | 1.490 | 366.590 | 1.580 | 366.590 | 1.770 | 366.990 | 1.770 |
| 366.990 | 1.970 | 367.390 | 1.970 | 367.390 | 2.170 | 367.790 | 2.170 |
| 367.790 | 2.380 | 368.190 | 2.380 | 368.190 | 2.570 | 368.590 | 2.570 |
| 368.590 | 2.770 | 368.990 | 2.770 | 368.990 | 2.960 | 369.390 | 2.960 |
| 369.390 | 3.130 | 370.500 | 3.180 | 371.970 | 3.230 | 380.790 | 3.200 |
| 386.690 | 3.150 | 395.700 | 3.180 | 405.420 | 3.200 | 414.790 | 3.280 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 424.280 | 3.360 | 433.400 | 3.470 | 437.330 | 5.510 | 438.270 | 5.610 |
| 442.750 | 6.180 | 445.700 | 7.590 | 446.380 | 7.930 | 450.900 | 9.690 |
| 456.880 | 9.630 | 457.610 | 9.260 | 460.450 | 9.330 | 462.300 | 8.270 |
| 464.450 | 8.370 | 464.690 | 7.580 | 468.730 | 7.440 | 468.730 | 7.570 |
| 468.730 | 7.440 | 474.790 | 4.590 | 474.890 | 4.300 | 478.820 | 4.240 |
| 479.300 | 4.220 | 480.050 | 3.920 | 482.230 | 3.790 | 482.470 | 3.330 |
| 482.610 | 2.940 | 482.830 | 2.940 | 482.830 | 3.230 | 482.880 | 3.340 |
| 483.040 | 3.250 | 483.040 | 3.420 | 483.040 | 3.250 | 488.120 | 3.370 |
| 490.550 | 2.170 | | | | | | |
| 23.6 | 0.000 | | | | 184 | 31 77 | 23 160 |
| -48.380 | 0.800 | -45.410 | 1.770 | -40.000 | 2.590 | -33.650 | 3.570 |
| -31.140 | 4.570 | -28.160 | 4.790 | -28.160 | 4.950 | -28.160 | 4.790 |
| -24.540 | 4.770 | -20.290 | 4.980 | -17.610 | 6.310 | -13.160 | 6.500 |
| -7.590 | 9.270 | -6.440 | 9.340 | -1.200 | 9.610 | -0.880 | 9.710 |
| 0.000 | 10.050 | 0.000 | 10.340 | 0.000 | 10.050 | 0.500 | 10.210 |
| 0.820 | 10.570 | 3.620 | 10.570 | 7.290 | 10.540 | 13.460 | 7.790 |
| 18.250 | 7.400 | 19.470 | 7.090 | 28.970 | 6.560 | 33.440 | 6.360 |
| 41.020 | 2.640 | 48.520 | 2.430 | 55.020 | 2.220 | 55.020 | 2.380 |
| 55.020 | 2.210 | 56.370 | 2.020 | 57.420 | 0.830 | 60.010 | 0.380 |
| 60.890 | 0.250 | 65.010 | -0.470 | 70.000 | -1.300 | 74.990 | -1.410 |
| 79.980 | -1.410 | 84.980 | -1.460 | 89.970 | -1.510 | 94.960 | -1.520 |
| 99.960 | -1.770 | 104.950 | -1.690 | 109.940 | -1.540 | 114.940 | -1.590 |
| 119.930 | -1.640 | 124.920 | -1.670 | 129.910 | -1.640 | 134.910 | -1.580 |
| 139.900 | -1.600 | 144.890 | -1.570 | 149.890 | -1.560 | 154.880 | -1.510 |
| 159.870 | -1.470 | 164.860 | -1.420 | 169.860 | -1.380 | 174.850 | -1.380 |
| 179.840 | -1.400 | 184.840 | -1.350 | 189.830 | -1.290 | 194.820 | -1.390 |
| 199.820 | -1.510 | 204.810 | -1.330 | 209.800 | -0.830 | 214.790 | -0.650 |
| 219.790 | -0.450 | 224.780 | 0.160 | 225.180 | 0.200 | 229.770 | 0.320 |
| 234.770 | 0.420 | 239.760 | 0.740 | 242.160 | 0.790 | 245.750 | 1.540 |
| 246.650 | 1.700 | 246.650 | 1.850 | 246.650 | 1.710 | 249.100 | 1.620 |
| 255.380 | 1.390 | 256.730 | 0.630 | 260.210 | 0.620 | 262.190 | 1.170 |
| 266.050 | 1.060 | 269.840 | 0.590 | 275.270 | 0.620 | 282.220 | 0.860 |
| 284.160 | 1.080 | 290.280 | 1.310 | 293.450 | 1.850 | 296.530 | 1.970 |
| 298.250 | 2.330 | 303.200 | 2.680 | 308.990 | 2.340 | 312.710 | 1.640 |
| 314.870 | 1.290 | 316.720 | 1.400 | 318.200 | 1.290 | 319.910 | 0.640 |
| 321.500 | 0.350 | 323.370 | 0.170 | 326.770 | 0.140 | 330.300 | 0.350 |
| 333.780 | 0.410 | 339.050 | 0.600 | 339.860 | 1.170 | 343.910 | 0.950 |
| 344.790 | 1.120 | 350.480 | 1.230 | 355.250 | 0.910 | 356.900 | 0.350 |
| 358.680 | -0.030 | 363.750 | 0.050 | 363.750 | 0.350 | 363.750 | 0.700 |
| 363.450 | 0.700 | 363.450 | 1.210 | 364.150 | 1.210 | 366.480 | 1.330 |
| 366.850 | 1.350 | 366.850 | 1.530 | 367.280 | 1.550 | 367.280 | 1.730 |
| 367.630 | 1.740 | 367.630 | 1.930 | 368.070 | 1.950 | 368.070 | 2.110 |
| 368.460 | 2.140 | 368.460 | 2.320 | 368.850 | 2.320 | 368.850 | 2.510 |
| 369.250 | 2.530 | 369.250 | 2.710 | 369.660 | 2.730 | 369.660 | 2.910 |
| 370.040 | 2.920 | 370.040 | 3.100 | 371.110 | 3.150 | 371.420 | 3.200 |
| 381.350 | 3.270 | 386.160 | 3.210 | 395.040 | 3.220 | 402.530 | 3.240 |
| 412.480 | 3.290 | 422.750 | 3.360 | 433.570 | 3.510 | 437.860 | 5.720 |
| 438.880 | 5.820 | 439.390 | 5.940 | 442.960 | 6.250 | 443.770 | 6.460 |
| 446.920 | 8.010 | 449.750 | 8.340 | 450.280 | 8.350 | 450.280 | 8.670 |
| 450.280 | 8.360 | 450.510 | 8.360 | 451.130 | 8.680 | 451.480 | 8.830 |
| 454.660 | 9.010 | 457.480 | 8.930 | 457.940 | 8.890 | 458.760 | 8.300 |
| 460.200 | 8.280 | 462.790 | 8.340 | 464.810 | 8.290 | 466.060 | 8.110 |
| 468.440 | 7.660 | 468.440 | 7.900 | 468.440 | 7.660 | 473.700 | 4.870 |
| 481.840 | 4.590 | 484.230 | 4.280 | 489.110 | 2.050 | 494.000 | 1.880 |
| 494.000 | 1.420 | 494.450 | 1.420 | 494.460 | 1.880 | 494.620 | 1.860 |
| 494.620 | 2.040 | 494.620 | 1.860 | 494.620 | 1.860 | 496.810 | 2.070 |

S59横断データ (-0.6~56.2).dat

| | | | | | | | | | |
|---------|--------|---------|--------|---------|--------|---------|-----|----|--------|
| 23.8 | 0.000 | | | | 223 | 68 | 116 | 58 | 191 |
| -43.230 | 2.660 | -34.650 | 2.870 | -27.000 | 3.390 | -23.070 | | | 4.820 |
| -21.940 | 4.870 | -18.320 | 5.020 | -18.320 | 5.190 | -17.920 | | | 5.190 |
| -17.920 | 5.390 | -17.520 | 5.390 | -17.520 | 5.590 | -17.120 | | | 5.590 |
| -17.120 | 5.780 | -16.720 | 5.780 | -16.720 | 5.980 | -16.320 | | | 5.980 |
| -16.320 | 6.180 | -15.920 | 6.180 | -15.920 | 6.380 | -11.460 | | | 6.610 |
| -11.060 | 6.610 | -11.060 | 6.810 | -10.660 | 6.810 | -10.660 | | | 7.010 |
| -10.260 | 7.010 | -10.260 | 7.210 | -9.860 | 7.210 | -9.860 | | | 7.400 |
| -9.460 | 7.400 | -9.460 | 7.600 | -9.060 | 7.600 | -9.060 | | | 7.800 |
| -8.660 | 7.800 | -8.660 | 8.000 | -8.260 | 8.000 | -8.260 | | | 8.190 |
| -7.860 | 8.190 | -7.860 | 8.390 | -7.460 | 8.390 | -7.460 | | | 8.590 |
| -7.060 | 8.590 | -7.060 | 8.780 | -6.660 | 8.780 | -6.660 | | | 8.980 |
| -6.260 | 8.980 | -6.260 | 9.190 | -5.860 | 9.190 | -5.860 | | | 9.370 |
| -4.750 | 9.430 | -1.220 | 9.680 | -0.500 | 9.990 | 0.000 | | | 10.200 |
| 0.000 | 10.500 | 0.000 | 10.190 | 0.970 | 10.580 | 1.270 | | | 10.660 |
| 4.000 | 10.660 | 7.320 | 10.620 | 13.920 | 7.830 | 23.030 | | | 7.520 |
| 25.610 | 6.840 | 30.740 | 6.520 | 34.330 | 6.320 | 35.180 | | | 6.250 |
| 42.740 | 2.530 | 48.640 | 2.330 | 57.110 | 1.960 | 59.430 | | | 1.870 |
| 59.430 | 1.980 | 59.430 | 1.870 | 59.830 | 1.770 | 60.200 | | | 1.170 |
| 60.900 | 0.920 | 60.900 | 0.490 | 61.600 | 0.170 | 64.430 | | | -0.720 |
| 69.420 | -0.910 | 74.420 | -1.310 | 79.420 | -1.480 | 84.410 | | | -1.600 |
| 89.410 | -1.820 | 94.410 | -1.790 | 99.400 | -1.760 | 104.400 | | | -1.910 |
| 109.400 | -1.940 | 114.400 | -1.980 | 119.390 | -2.000 | 124.390 | | | -2.030 |
| 129.390 | -2.080 | 134.380 | -2.210 | 139.380 | -2.150 | 144.380 | | | -2.130 |
| 149.370 | -2.020 | 154.370 | -1.960 | 159.370 | -1.910 | 164.360 | | | -1.800 |
| 169.360 | -1.740 | 174.360 | -1.750 | 179.350 | -1.660 | 184.350 | | | -1.660 |
| 189.350 | -1.520 | 194.350 | -1.520 | 199.340 | -1.250 | 204.340 | | | -1.210 |
| 209.340 | -1.260 | 214.330 | -1.300 | 219.330 | -1.380 | 224.330 | | | -0.330 |
| 224.330 | 0.090 | 224.630 | 0.120 | 229.320 | 0.280 | 234.320 | | | 0.380 |
| 239.320 | 0.420 | 244.310 | 0.540 | 247.910 | 1.150 | 250.610 | | | 1.450 |
| 253.260 | 1.400 | 255.320 | 1.020 | 259.230 | 1.010 | 260.620 | | | 0.680 |
| 264.920 | 0.740 | 266.660 | 1.050 | 272.080 | 1.670 | 274.530 | | | 2.510 |
| 276.740 | 2.820 | 279.090 | 2.760 | 281.280 | 2.410 | 288.350 | | | 1.950 |
| 297.960 | 1.930 | 308.020 | 1.820 | 317.610 | 1.740 | 323.120 | | | 1.480 |
| 328.090 | 1.500 | 335.030 | 1.470 | 336.460 | 1.920 | 346.240 | | | 1.740 |
| 350.090 | 1.050 | 351.010 | 0.350 | 352.150 | 0.180 | 353.580 | | | 0.120 |
| 354.230 | 0.350 | 354.580 | 0.560 | 358.690 | 0.440 | 359.100 | | | 0.340 |
| 360.700 | -0.200 | 365.400 | -0.420 | 365.400 | 0.340 | 365.400 | | | 0.710 |
| 365.100 | 0.710 | 365.100 | 1.220 | 365.800 | 1.230 | 366.230 | | | 1.260 |
| 367.160 | 1.380 | 368.020 | 1.290 | 368.440 | 1.360 | 368.440 | | | 1.530 |
| 368.870 | 1.550 | 368.870 | 1.720 | 369.250 | 1.740 | 369.250 | | | 1.910 |
| 369.660 | 1.930 | 369.660 | 2.100 | 370.090 | 2.130 | 370.090 | | | 2.290 |
| 370.490 | 2.320 | 370.490 | 2.490 | 370.890 | 2.510 | 370.890 | | | 2.660 |
| 371.290 | 2.690 | 371.290 | 2.870 | 371.690 | 2.900 | 371.690 | | | 3.080 |
| 372.850 | 3.140 | 383.240 | 3.160 | 387.320 | 3.130 | 395.300 | | | 3.170 |
| 404.910 | 3.200 | 414.950 | 3.230 | 424.660 | 3.330 | 435.030 | | | 3.460 |
| 439.370 | 5.790 | 440.390 | 5.890 | 441.410 | 6.020 | 445.140 | | | 6.440 |
| 448.400 | 8.050 | 451.520 | 8.460 | 452.060 | 8.460 | 452.060 | | | 8.770 |
| 452.060 | 8.460 | 452.340 | 8.460 | 453.490 | 8.980 | 453.690 | | | 8.950 |
| 456.580 | 9.030 | 459.790 | 8.950 | 461.210 | 7.990 | 468.350 | | | 7.670 |
| 468.350 | 7.780 | 468.350 | 7.670 | 474.590 | 4.720 | 475.010 | | | 4.650 |
| 475.120 | 4.390 | 478.910 | 4.210 | 479.440 | 4.150 | 481.700 | | | 3.330 |
| 482.210 | 2.370 | 482.330 | 2.370 | 482.330 | 2.150 | 482.690 | | | 2.150 |
| 482.690 | 2.600 | 482.820 | 2.600 | 482.820 | 2.450 | 482.960 | | | 2.450 |
| 482.960 | 2.580 | 482.960 | 2.450 | 482.960 | 2.450 | 486.890 | | | 2.240 |
| 489.130 | 1.500 | 489.510 | 1.130 | 489.980 | 1.100 | 490.410 | | | 1.400 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 490.970 | 1.380 | 491.320 | 1.210 | 499.500 | 1.190 | | |
| 24.0 | 0.000 | | | | 221 | 69 116 | 23 191 |
| -43.010 | 0.160 | -41.070 | 0.570 | -39.630 | 1.210 | -36.010 | 1.620 |
| -28.540 | 3.430 | -25.270 | 4.720 | -25.270 | 4.870 | -25.270 | 4.720 |
| -23.840 | 4.990 | -19.600 | 5.100 | -16.960 | 6.430 | -12.500 | 6.620 |
| -6.930 | 9.360 | -5.730 | 9.420 | -1.110 | 9.720 | -0.850 | 9.880 |
| 0.000 | 10.190 | 0.000 | 10.500 | 0.000 | 10.190 | 0.310 | 10.300 |
| 0.640 | 10.700 | 3.520 | 10.690 | 7.480 | 10.650 | 13.100 | 8.570 |
| 17.640 | 7.610 | 22.950 | 7.270 | 24.290 | 6.910 | 29.830 | 6.570 |
| 33.480 | 6.370 | 34.210 | 6.330 | 34.210 | 6.150 | 34.610 | 6.150 |
| 34.610 | 5.950 | 35.000 | 5.950 | 35.000 | 5.750 | 35.400 | 5.750 |
| 35.400 | 5.540 | 35.800 | 5.540 | 35.800 | 5.350 | 36.200 | 5.350 |
| 36.200 | 5.150 | 36.600 | 5.150 | 36.600 | 4.950 | 37.000 | 4.950 |
| 37.000 | 4.750 | 37.400 | 4.750 | 37.400 | 4.560 | 37.800 | 4.560 |
| 37.800 | 4.360 | 38.200 | 4.360 | 38.200 | 4.170 | 38.600 | 4.170 |
| 38.600 | 3.970 | 39.000 | 3.970 | 39.000 | 3.770 | 39.400 | 3.770 |
| 39.400 | 3.580 | 39.800 | 3.580 | 39.800 | 3.390 | 40.200 | 3.390 |
| 40.200 | 3.200 | 40.600 | 3.200 | 40.600 | 3.000 | 41.000 | 3.000 |
| 41.000 | 2.810 | 41.400 | 2.810 | 41.400 | 2.620 | 48.280 | 2.600 |
| 54.650 | 2.520 | 54.650 | 2.670 | 54.650 | 2.490 | 55.100 | 2.420 |
| 55.550 | 2.210 | 55.750 | 1.150 | 59.650 | 0.560 | 64.640 | 0.370 |
| 68.890 | -0.140 | 69.640 | -0.240 | 74.640 | -1.700 | 79.630 | -1.920 |
| 84.630 | -1.840 | 89.630 | -1.790 | 94.620 | -1.740 | 99.620 | -1.680 |
| 104.620 | -1.660 | 109.620 | -1.650 | 114.610 | -1.660 | 119.610 | -1.660 |
| 124.610 | -1.650 | 129.600 | -1.770 | 134.600 | -1.690 | 139.600 | -1.670 |
| 144.590 | -1.750 | 149.590 | -1.850 | 154.590 | -1.730 | 159.580 | -1.940 |
| 164.580 | -1.950 | 169.580 | -1.770 | 174.570 | -1.790 | 179.570 | -1.800 |
| 184.570 | -1.690 | 189.560 | -1.540 | 194.560 | -1.340 | 199.560 | -1.270 |
| 204.550 | -1.180 | 209.550 | -1.350 | 214.550 | -1.090 | 215.800 | -1.030 |
| 217.050 | -0.460 | 218.500 | -0.160 | 219.550 | -0.030 | 224.540 | 0.160 |
| 229.540 | 0.630 | 234.540 | 0.860 | 236.730 | 1.400 | 237.880 | 1.430 |
| 238.530 | 1.720 | 243.680 | 1.770 | 243.680 | 1.990 | 243.680 | 1.800 |
| 244.890 | 2.010 | 247.250 | 2.220 | 251.630 | 2.420 | 255.350 | 2.050 |
| 257.250 | 2.240 | 258.850 | 1.840 | 263.160 | 1.730 | 268.560 | 1.780 |
| 273.540 | 1.060 | 276.340 | 0.350 | 280.050 | 0.240 | 287.680 | 0.240 |
| 294.450 | 0.350 | 305.350 | 0.760 | 314.760 | 0.760 | 321.400 | 0.450 |
| 328.690 | 0.620 | 333.640 | 1.970 | 342.630 | 1.900 | 349.390 | 1.550 |
| 355.860 | 0.650 | 360.490 | 0.810 | 360.900 | 0.370 | 362.960 | -0.250 |
| 364.780 | -0.420 | 367.710 | -0.470 | 367.710 | 0.370 | 367.710 | 0.670 |
| 367.410 | 0.670 | 367.410 | 1.210 | 368.110 | 1.190 | 368.680 | 1.340 |
| 369.970 | 1.250 | 370.460 | 1.270 | 370.870 | 1.340 | 370.870 | 1.500 |
| 371.270 | 1.510 | 371.270 | 1.690 | 371.680 | 1.710 | 371.680 | 1.880 |
| 372.080 | 1.890 | 372.080 | 2.070 | 372.480 | 2.080 | 372.480 | 2.260 |
| 372.890 | 2.280 | 372.890 | 2.450 | 373.310 | 2.480 | 373.310 | 2.640 |
| 373.710 | 2.670 | 373.710 | 2.850 | 374.080 | 2.870 | 374.080 | 3.040 |
| 375.090 | 3.080 | 375.560 | 3.180 | 385.870 | 3.190 | 396.780 | 3.190 |
| 406.050 | 3.230 | 414.880 | 3.220 | 423.800 | 3.280 | 433.020 | 3.440 |
| 437.520 | 5.810 | 438.290 | 5.880 | 438.710 | 5.950 | 443.210 | 6.410 |
| 446.570 | 8.100 | 450.910 | 8.620 | 451.400 | 8.620 | 451.400 | 8.940 |
| 451.400 | 8.620 | 451.750 | 8.620 | 452.490 | 8.970 | 456.380 | 8.990 |
| 458.540 | 8.940 | 459.090 | 8.830 | 460.330 | 8.030 | 466.500 | 7.680 |
| 466.500 | 7.850 | 466.500 | 7.680 | 473.600 | 4.540 | 475.250 | 4.450 |
| 475.380 | 4.160 | 479.260 | 3.930 | 480.150 | 3.830 | 480.740 | 3.570 |
| 481.220 | 2.630 | 481.330 | 2.630 | 481.330 | 2.420 | 481.690 | 2.420 |
| 481.690 | 2.850 | 481.810 | 2.850 | 481.920 | 2.810 | 481.920 | 2.930 |
| 481.920 | 2.810 | 481.920 | 2.810 | 485.990 | 2.660 | 488.610 | 2.180 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 490.010 | 1.350 | 490.390 | 1.440 | 490.650 | 1.480 | 490.920 | 1.290 |
| 499.830 | 1.260 | | | | | | |
| 24.2 | 0.000 | | | | 185 | 41 91 | 27 152 |
| -75.920 | 2.800 | -69.480 | 2.750 | -60.970 | 2.800 | -53.370 | 2.550 |
| -44.240 | 2.320 | -38.260 | 1.660 | -34.260 | 1.690 | -30.000 | 3.600 |
| -28.850 | 3.970 | -28.850 | 4.160 | -28.850 | 3.970 | -26.420 | 4.310 |
| -25.110 | 4.550 | -19.530 | 5.060 | -16.700 | 6.440 | -12.240 | 6.680 |
| -6.580 | 9.400 | -5.430 | 9.520 | -1.000 | 9.830 | -0.430 | 10.050 |
| 0.000 | 10.190 | 0.000 | 10.490 | 0.000 | 10.190 | 0.510 | 10.350 |
| 1.150 | 10.890 | 4.170 | 10.900 | 7.330 | 10.880 | 13.610 | 8.080 |
| 17.770 | 7.730 | 23.540 | 7.460 | 24.660 | 7.040 | 30.130 | 6.680 |
| 34.580 | 6.450 | 42.450 | 2.670 | 50.000 | 2.460 | 54.280 | 2.380 |
| 55.420 | 2.070 | 64.030 | 1.750 | 70.010 | 1.620 | 79.420 | 1.560 |
| 89.240 | 2.090 | 91.360 | 2.160 | 91.360 | 2.320 | 91.360 | 2.140 |
| 92.560 | 1.930 | 93.960 | 0.830 | 96.360 | 0.430 | 101.350 | -0.150 |
| 106.350 | -0.720 | 111.350 | -0.940 | 116.340 | -1.290 | 121.340 | -1.540 |
| 126.340 | -1.500 | 131.330 | -1.460 | 136.330 | -1.530 | 141.330 | -1.440 |
| 146.320 | -1.220 | 151.320 | -1.200 | 156.320 | -1.100 | 161.310 | -1.300 |
| 166.310 | -1.340 | 171.310 | -1.200 | 176.300 | -1.260 | 181.300 | -1.210 |
| 186.300 | -1.300 | 191.290 | -1.270 | 196.290 | -1.270 | 201.290 | -1.120 |
| 206.280 | -1.150 | 211.280 | -1.220 | 216.280 | -1.100 | 221.270 | -1.240 |
| 226.270 | -1.210 | 231.270 | -1.010 | 236.260 | -0.870 | 241.260 | -0.770 |
| 246.260 | -0.580 | 251.250 | -0.210 | 252.250 | -0.180 | 256.250 | 0.260 |
| 261.250 | 0.240 | 266.240 | 0.270 | 271.240 | 0.290 | 276.240 | 0.300 |
| 281.230 | 0.330 | 286.230 | 0.300 | 291.230 | 0.290 | 296.220 | 0.370 |
| 301.220 | 0.340 | 306.220 | 0.350 | 314.860 | 1.680 | 317.360 | 1.540 |
| 326.460 | 1.510 | 332.950 | 1.250 | 336.800 | 0.820 | 340.020 | 1.200 |
| 343.430 | 1.360 | 346.170 | 2.070 | 351.850 | 2.180 | 354.000 | 2.930 |
| 358.590 | 2.890 | 361.600 | 1.190 | 367.100 | 1.170 | 368.180 | 0.330 |
| 369.000 | 0.050 | 370.660 | -0.130 | 373.710 | -0.180 | 373.710 | 0.330 |
| 373.710 | 0.710 | 373.410 | 0.710 | 373.410 | 1.220 | 374.010 | 1.220 |
| 374.390 | 1.320 | 376.400 | 1.330 | 376.810 | 1.430 | 376.810 | 1.590 |
| 377.250 | 1.620 | 377.250 | 1.780 | 377.600 | 1.810 | 377.600 | 2.000 |
| 378.010 | 2.010 | 378.010 | 2.180 | 378.400 | 2.200 | 378.400 | 2.370 |
| 378.780 | 2.400 | 378.780 | 2.570 | 379.190 | 2.610 | 379.190 | 2.770 |
| 379.580 | 2.790 | 379.580 | 2.970 | 380.000 | 2.990 | 380.000 | 3.150 |
| 380.970 | 3.210 | 381.270 | 3.320 | 381.900 | 3.350 | 391.440 | 3.290 |
| 397.250 | 3.330 | 406.300 | 3.340 | 415.820 | 3.410 | 425.430 | 3.470 |
| 434.100 | 3.470 | 438.880 | 5.920 | 439.700 | 6.000 | 439.940 | 6.070 |
| 444.540 | 6.520 | 447.840 | 8.170 | 451.410 | 8.570 | 451.900 | 8.580 |
| 451.900 | 8.880 | 451.900 | 8.590 | 452.220 | 8.590 | 453.030 | 9.080 |
| 456.060 | 9.140 | 459.230 | 9.070 | 459.470 | 8.950 | 460.810 | 8.130 |
| 463.700 | 7.960 | 467.810 | 7.720 | 468.610 | 7.730 | 469.650 | 7.600 |
| 470.220 | 7.540 | 470.220 | 7.700 | 470.220 | 7.540 | 476.250 | 4.660 |
| 476.440 | 4.120 | 480.460 | 3.910 | 480.990 | 3.910 | 481.450 | 2.960 |
| 481.560 | 2.960 | 481.560 | 2.730 | 481.900 | 2.730 | 481.900 | 3.180 |
| 482.030 | 3.180 | 482.170 | 3.150 | 482.170 | 3.270 | 482.170 | 3.150 |
| 482.170 | 3.150 | 485.650 | 2.920 | 490.120 | 1.930 | 491.620 | 1.170 |
| 491.960 | 1.170 | 492.250 | 1.310 | 492.460 | 1.310 | 492.820 | 1.200 |
| 501.740 | 1.200 | | | | | | |
| 24.4 | 0.000 | | | | 165 | 45 100 | 28 144 |
| -76.130 | 3.870 | -74.090 | 4.460 | -70.480 | 4.850 | -63.550 | 5.000 |
| -58.000 | 4.790 | -49.290 | 4.850 | -47.470 | 4.650 | -43.180 | 4.770 |
| -35.130 | 4.720 | -34.020 | 4.360 | -27.600 | 4.500 | -27.600 | 4.670 |
| -27.600 | 4.500 | -24.220 | 4.640 | -20.180 | 5.090 | -17.400 | 6.540 |
| -12.880 | 6.700 | -7.270 | 9.470 | -6.120 | 9.540 | -0.820 | 9.930 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| -0.430 | 9.970 | 0.000 | 10.160 | 0.000 | 10.470 | 0.000 | 10.160 |
| 0.680 | 10.430 | 1.480 | 10.970 | 4.330 | 10.980 | 7.560 | 10.940 |
| 14.620 | 7.850 | 23.940 | 7.370 | 25.650 | 6.820 | 29.400 | 6.670 |
| 33.850 | 6.380 | 41.560 | 2.620 | 49.850 | 2.600 | 59.480 | 2.600 |
| 69.610 | 2.550 | 80.000 | 2.590 | 90.000 | 2.580 | 99.530 | 2.610 |
| 106.090 | 2.870 | 109.270 | 2.980 | 110.900 | 2.720 | 116.810 | 3.060 |
| 124.540 | 2.800 | 128.350 | 2.300 | 129.430 | 1.620 | 131.880 | 1.710 |
| 132.330 | 1.690 | 132.880 | 1.280 | 134.480 | 1.310 | 134.880 | 0.850 |
| 135.570 | 0.240 | 136.870 | 0.060 | 137.770 | -0.350 | 140.370 | 0.150 |
| 141.200 | -0.170 | 141.870 | -0.420 | 145.860 | -2.020 | 146.860 | -2.010 |
| 151.850 | -1.550 | 156.850 | -1.370 | 161.840 | -1.470 | 166.830 | -1.420 |
| 171.830 | -1.250 | 176.820 | -1.150 | 181.810 | -1.170 | 186.810 | -1.130 |
| 191.800 | -1.030 | 196.790 | -1.020 | 201.790 | -1.260 | 206.780 | -1.260 |
| 211.770 | -1.190 | 216.760 | -1.170 | 221.760 | -1.170 | 226.750 | -0.870 |
| 231.740 | -0.870 | 236.740 | -0.970 | 241.730 | -0.770 | 246.720 | -0.790 |
| 251.720 | -0.880 | 256.710 | -0.770 | 261.700 | -0.720 | 266.700 | -0.650 |
| 271.690 | -0.630 | 276.680 | -0.530 | 281.680 | -0.370 | 286.670 | -0.270 |
| 291.660 | -0.240 | 296.660 | -0.240 | 301.650 | -0.240 | 306.640 | -0.330 |
| 311.640 | -0.570 | 316.630 | -0.520 | 321.620 | -0.470 | 323.820 | -0.170 |
| 326.620 | 0.400 | 328.410 | 0.680 | 330.010 | 1.570 | 331.460 | 1.780 |
| 331.460 | 1.890 | 331.460 | 1.780 | 333.960 | 1.730 | 337.970 | 0.470 |
| 345.040 | 0.390 | 349.270 | 0.270 | 350.550 | 0.950 | 355.440 | 2.140 |
| 361.360 | 2.050 | 364.900 | 1.880 | 373.870 | 1.840 | 380.540 | 1.690 |
| 382.640 | 0.230 | 383.610 | -0.070 | 384.750 | -0.150 | 388.280 | -0.260 |
| 388.280 | 0.230 | 388.280 | 0.740 | 387.980 | 0.740 | 387.980 | 1.250 |
| 390.860 | 1.310 | 394.720 | 3.210 | 395.780 | 3.250 | 396.530 | 3.350 |
| 400.260 | 3.350 | 409.240 | 3.470 | 411.000 | 3.370 | 412.680 | 3.320 |
| 422.020 | 3.360 | 431.360 | 3.430 | 440.870 | 3.490 | 442.580 | 4.370 |
| 446.120 | 4.490 | 446.480 | 4.590 | 449.060 | 5.940 | 450.030 | 6.040 |
| 451.340 | 6.250 | 454.870 | 6.610 | 458.130 | 8.210 | 461.360 | 8.540 |
| 461.360 | 8.680 | 461.360 | 8.550 | 461.830 | 8.590 | 462.440 | 9.230 |
| 465.290 | 9.260 | 468.190 | 9.230 | 468.390 | 9.250 | 468.590 | 9.250 |
| 473.350 | 6.910 | 474.010 | 6.760 | 478.740 | 6.510 | 486.050 | 3.630 |
| 487.310 | 3.320 | 491.060 | 3.230 | 491.480 | 3.200 | 491.480 | 3.370 |
| 491.480 | 3.200 | 491.480 | 3.200 | 491.590 | 3.200 | 491.790 | 3.520 |
| 492.120 | 3.520 | 494.460 | 3.000 | 498.770 | 2.860 | 502.800 | 2.800 |
| 508.970 | 2.900 | | | | | | |
| 24.6 | 0.000 | | | | 175 | 49 118 | 11 157 |
| -40.350 | 6.040 | -36.750 | 5.930 | -30.550 | 3.900 | -25.420 | 4.040 |
| -15.610 | 7.870 | -11.330 | 8.070 | -6.360 | 10.400 | -6.360 | 10.510 |
| -6.360 | 10.400 | -3.000 | 10.690 | 0.470 | 10.540 | 2.520 | 9.440 |
| 3.000 | 9.160 | 3.000 | 9.680 | 3.000 | 9.170 | 3.480 | 8.830 |
| 4.790 | 8.120 | 5.790 | 8.120 | 9.580 | 6.320 | 10.030 | 6.320 |
| 10.030 | 6.210 | 12.940 | 6.150 | 19.580 | 2.930 | 20.710 | 2.910 |
| 21.270 | 2.620 | 22.830 | 1.450 | 23.700 | 0.840 | 24.780 | -0.070 |
| 26.040 | -0.240 | 28.600 | -0.420 | 31.540 | -0.240 | 35.830 | -0.550 |
| 38.570 | -0.620 | 38.810 | -0.610 | 38.810 | 0.230 | 40.200 | 0.890 |
| 42.610 | 3.000 | 44.140 | 4.320 | 46.390 | 4.330 | 52.460 | 1.470 |
| 55.940 | 1.190 | 56.930 | 0.860 | 61.590 | 0.790 | 66.060 | 1.310 |
| 72.250 | 1.850 | 79.000 | 2.670 | 82.280 | 2.580 | 88.000 | 1.670 |
| 91.180 | 0.970 | 93.150 | 0.460 | 96.790 | 0.340 | 101.710 | 0.100 |
| 107.520 | 0.370 | 110.970 | 0.960 | 112.610 | 1.960 | 117.250 | 1.590 |
| 120.610 | 1.810 | 122.960 | 1.470 | 123.210 | 0.970 | 124.450 | 0.710 |
| 125.720 | 0.560 | 127.030 | 0.980 | 127.840 | 1.650 | 129.140 | 1.700 |
| 129.140 | 1.910 | 129.140 | 1.710 | 130.870 | 1.140 | 133.510 | 1.190 |
| 135.430 | 0.370 | 137.520 | 0.200 | 138.060 | -0.060 | 139.120 | -0.680 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 140.320 | -1.310 | 141.610 | -1.610 | 144.110 | -1.530 | 149.100 | -1.580 |
| 154.090 | -1.450 | 159.080 | -1.260 | 164.070 | -1.280 | 169.060 | -1.530 |
| 174.050 | -1.410 | 179.040 | -1.640 | 184.030 | -1.550 | 189.020 | -1.730 |
| 194.010 | -1.710 | 199.000 | -1.790 | 203.990 | -1.770 | 208.980 | -1.550 |
| 213.970 | -1.640 | 218.960 | -1.590 | 223.950 | -1.500 | 228.940 | -1.330 |
| 233.930 | -1.220 | 238.920 | -1.210 | 243.910 | -1.090 | 248.900 | -0.960 |
| 253.890 | -0.800 | 258.880 | -0.700 | 263.870 | -0.610 | 268.860 | -0.560 |
| 273.850 | -0.360 | 278.840 | -0.240 | 283.830 | -0.140 | 285.720 | -0.040 |
| 288.820 | 0.060 | 293.810 | 0.300 | 296.800 | 0.490 | 300.790 | 1.270 |
| 301.590 | 1.760 | 303.190 | 1.740 | 303.190 | 1.840 | 303.190 | 1.710 |
| 304.090 | 1.710 | 306.800 | 1.270 | 308.730 | 1.240 | 311.140 | 0.700 |
| 313.730 | 1.310 | 316.240 | 1.500 | 319.380 | 3.030 | 322.680 | 3.490 |
| 327.990 | 1.970 | 330.190 | 0.430 | 330.970 | 0.310 | 332.350 | 0.030 |
| 336.130 | 0.000 | 338.650 | 0.310 | 343.510 | 0.850 | 344.590 | 1.820 |
| 345.790 | 2.220 | 349.450 | 2.310 | 355.880 | 1.890 | 360.170 | 1.790 |
| 362.320 | 0.140 | 363.700 | -0.540 | 364.610 | -0.620 | 365.920 | -0.460 |
| 370.540 | -0.350 | 370.540 | 0.140 | 370.540 | 0.750 | 370.240 | 0.750 |
| 370.240 | 1.280 | 370.940 | 1.280 | 373.080 | 1.360 | 377.040 | 3.260 |
| 378.060 | 3.330 | 388.700 | 3.400 | 395.940 | 3.380 | 406.050 | 3.530 |
| 414.710 | 3.510 | 419.710 | 6.190 | 420.710 | 6.300 | 425.750 | 6.790 |
| 428.880 | 8.290 | 431.850 | 8.750 | 431.850 | 8.940 | 431.850 | 8.750 |
| 432.470 | 9.080 | 432.840 | 9.220 | 435.710 | 9.280 | 438.700 | 9.240 |
| 439.040 | 9.250 | 443.150 | 7.060 | 446.260 | 6.730 | 449.170 | 6.570 |
| 457.630 | 3.230 | 461.550 | 3.050 | 464.100 | 2.730 | 466.170 | 2.450 |
| 466.170 | 2.560 | 466.170 | 2.450 | 467.130 | 2.130 | 468.150 | 1.610 |
| 476.160 | 1.590 | 481.420 | 1.630 | 481.700 | 2.460 | | |
| 24.8 | 0.000 | | | 204 | 73 | 139 | 27 178 |
| -46.140 | 6.430 | -45.600 | 6.430 | -45.600 | 4.090 | -46.140 | 3.630 |
| -46.140 | 1.020 | -39.270 | 1.020 | -39.270 | 4.600 | -39.100 | 4.830 |
| -39.100 | 5.720 | -32.780 | 5.750 | -27.930 | 5.780 | -27.400 | 5.630 |
| -27.400 | 5.390 | -27.160 | 5.390 | -27.160 | 5.630 | -26.050 | 5.680 |
| -20.100 | 7.980 | -15.890 | 8.200 | -14.840 | 8.780 | -11.490 | 8.920 |
| -11.290 | 9.350 | -10.710 | 9.420 | -8.430 | 10.530 | -8.430 | 10.700 |
| -8.430 | 10.530 | -5.280 | 10.640 | -1.400 | 10.440 | -0.300 | 9.750 |
| 0.000 | 9.650 | 0.000 | 10.210 | 0.000 | 9.650 | 0.320 | 9.510 |
| 2.670 | 7.980 | 6.160 | 6.430 | 6.430 | 6.430 | 6.430 | 6.160 |
| 10.160 | 5.930 | 14.820 | 3.510 | 15.110 | 3.510 | 15.110 | 3.400 |
| 17.450 | 3.400 | 22.160 | 1.110 | 25.010 | -0.320 | 26.200 | -0.690 |
| 27.400 | -0.640 | 31.000 | -0.780 | 36.500 | -0.810 | 41.200 | -0.630 |
| 44.300 | -0.760 | 46.600 | -1.010 | 47.000 | -0.210 | 47.900 | 0.360 |
| 48.440 | 1.080 | 48.760 | 1.600 | 50.160 | 2.170 | 50.520 | 2.550 |
| 52.180 | 3.240 | 54.320 | 3.900 | 55.250 | 3.820 | 58.240 | 2.640 |
| 60.000 | 2.320 | 63.110 | 1.820 | 69.780 | 1.870 | 77.710 | 1.890 |
| 79.780 | 2.240 | 85.010 | 2.500 | 88.660 | 2.390 | 91.580 | 1.710 |
| 91.580 | 2.030 | 91.580 | 1.800 | 94.770 | 1.770 | 95.470 | 2.140 |
| 96.570 | 2.220 | 98.510 | 1.310 | 100.860 | 1.130 | 102.560 | 0.690 |
| 105.790 | 0.720 | 106.550 | 0.250 | 107.540 | 0.250 | 111.540 | 0.490 |
| 116.520 | 0.490 | 121.510 | 0.410 | 126.500 | 0.080 | 127.800 | 0.080 |
| 129.350 | 0.080 | 131.490 | -0.440 | 136.480 | -0.730 | 138.480 | -1.900 |
| 141.470 | -2.050 | 142.970 | -2.020 | 146.460 | -0.260 | 147.660 | 0.120 |
| 148.160 | 0.230 | 149.250 | 0.120 | 151.450 | -0.210 | 152.450 | -0.170 |
| 156.440 | -1.670 | 160.430 | -1.670 | 161.430 | -0.990 | 166.410 | -0.250 |
| 168.910 | -1.070 | 171.400 | -1.070 | 176.390 | -1.050 | 177.890 | -0.320 |
| 181.380 | -0.300 | 186.370 | -0.210 | 191.360 | -0.300 | 196.350 | -0.210 |
| 201.340 | -0.910 | 206.330 | -1.050 | 211.320 | -1.550 | 216.300 | -1.400 |
| 221.290 | -1.130 | 226.280 | -1.110 | 231.270 | -1.270 | 236.260 | -1.540 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 241.250 | -1.620 | 246.240 | -1.660 | 251.230 | -1.580 | 256.220 | -1.660 |
| 261.210 | -1.670 | 266.190 | -1.670 | 271.180 | -1.720 | 276.170 | -1.350 |
| 281.160 | -0.970 | 286.150 | -0.440 | 291.140 | -0.500 | 296.130 | -0.280 |
| 301.120 | -0.260 | 306.110 | -0.260 | 311.100 | -0.260 | 316.080 | -0.330 |
| 317.380 | -0.010 | 317.630 | 0.190 | 319.780 | 0.730 | 322.570 | 2.530 |
| 324.550 | 3.060 | 326.960 | 4.170 | 327.760 | 4.230 | 327.760 | 4.400 |
| 327.760 | 4.250 | 330.410 | 4.110 | 340.190 | 3.650 | 348.610 | 3.660 |
| 353.880 | 3.400 | 358.700 | 1.920 | 360.970 | 1.460 | 362.110 | 0.830 |
| 363.670 | 0.850 | 364.730 | 0.100 | 365.740 | -0.210 | 366.970 | -0.320 |
| 371.620 | -0.290 | 371.620 | 0.100 | 371.620 | 0.720 | 371.320 | 0.720 |
| 371.320 | 1.240 | 372.030 | 1.240 | 374.180 | 1.320 | 378.140 | 3.240 |
| 379.190 | 3.310 | 380.170 | 3.370 | 389.680 | 3.370 | 397.750 | 3.380 |
| 405.320 | 3.500 | 414.710 | 3.550 | 419.780 | 6.030 | 420.690 | 6.080 |
| 420.960 | 6.180 | 425.570 | 6.740 | 428.740 | 8.270 | 430.410 | 8.480 |
| 430.410 | 8.730 | 430.410 | 8.480 | 430.760 | 8.590 | 431.360 | 8.950 |
| 431.660 | 9.350 | 431.910 | 9.350 | 434.760 | 9.400 | 437.620 | 9.360 |
| 438.010 | 9.270 | 438.010 | 9.390 | 438.010 | 9.270 | 441.410 | 7.260 |
| 443.850 | 6.190 | 445.440 | 5.920 | 448.110 | 5.760 | 455.610 | 3.360 |
| 456.500 | 3.280 | 456.500 | 3.430 | 456.500 | 3.280 | 456.500 | 3.280 |
| 463.880 | 3.020 | 465.840 | 2.260 | 466.180 | 1.950 | 466.610 | 1.040 |
| 466.770 | 0.760 | 468.730 | 0.750 | 468.930 | 1.040 | 469.350 | 1.920 |
| 470.130 | 2.410 | 471.490 | 2.440 | 472.360 | 2.260 | 473.160 | 1.620 |
| 25.0 | 0.000 | | | | 179 | 51.108 | 32.150 |
| -49.570 | 1.630 | -48.500 | 3.770 | -47.650 | 3.760 | -47.650 | 4.030 |
| -47.050 | 4.120 | -46.960 | 4.430 | -30.990 | 4.480 | -29.720 | 4.750 |
| -28.010 | 4.700 | -27.620 | 4.680 | -27.570 | 4.580 | -27.570 | 4.280 |
| -27.270 | 4.280 | -27.220 | 4.580 | -27.220 | 4.680 | -24.920 | 4.770 |
| -24.650 | 5.250 | -18.740 | 7.620 | -15.540 | 7.750 | -10.920 | 9.850 |
| -10.920 | 9.990 | -10.920 | 9.850 | -8.470 | 9.910 | -7.280 | 10.160 |
| -5.060 | 10.220 | -2.170 | 10.060 | -1.180 | 10.030 | -0.580 | 9.740 |
| 0.000 | 9.450 | 0.000 | 9.950 | 0.000 | 9.450 | 0.510 | 9.130 |
| 6.170 | 6.470 | 12.540 | 6.250 | 13.550 | 6.200 | 20.870 | 2.680 |
| 27.300 | 2.490 | 35.010 | 2.030 | 44.760 | 1.870 | 47.210 | 1.550 |
| 56.210 | 1.530 | 64.630 | 1.560 | 75.050 | 1.850 | 83.690 | 2.070 |
| 91.210 | 1.930 | 97.980 | 1.920 | 100.040 | 2.210 | 102.770 | 1.980 |
| 102.770 | 2.120 | 102.770 | 1.980 | 104.170 | 1.980 | 105.530 | 0.720 |
| 107.470 | 0.300 | 107.770 | 0.270 | 112.770 | -0.490 | 117.770 | -0.620 |
| 122.770 | -0.720 | 127.770 | -0.820 | 132.760 | -1.020 | 137.760 | -0.990 |
| 142.760 | -0.900 | 147.760 | -0.730 | 152.760 | -0.640 | 157.760 | -0.370 |
| 162.760 | -0.280 | 167.760 | -0.250 | 172.760 | -0.230 | 177.760 | -0.240 |
| 182.760 | -0.190 | 187.760 | -0.190 | 192.760 | -0.190 | 197.750 | -0.170 |
| 202.750 | -0.170 | 207.750 | -0.170 | 212.750 | -0.240 | 217.750 | -0.220 |
| 222.750 | -0.300 | 227.750 | -0.300 | 232.750 | -0.360 | 237.750 | -0.380 |
| 242.750 | -0.460 | 247.750 | -0.500 | 252.750 | -0.560 | 257.740 | -0.560 |
| 262.740 | -0.600 | 267.740 | -0.620 | 272.740 | -0.690 | 277.740 | -0.770 |
| 282.740 | -0.890 | 287.740 | -0.990 | 292.740 | -1.150 | 297.740 | -1.210 |
| 302.740 | -1.270 | 307.740 | -1.310 | 312.730 | -1.370 | 317.730 | -1.530 |
| 322.730 | -1.720 | 327.730 | -1.910 | 332.730 | -2.090 | 337.730 | -1.810 |
| 339.230 | -1.420 | 339.730 | -0.160 | 341.030 | 0.050 | 341.230 | 0.330 |
| 342.030 | 0.460 | 342.030 | 1.010 | 343.330 | 2.340 | 345.130 | 2.920 |
| 345.130 | 3.130 | 345.130 | 2.960 | 349.160 | 3.100 | 354.270 | 3.850 |
| 358.300 | 3.730 | 359.030 | 3.260 | 360.360 | 2.950 | 363.870 | 3.130 |
| 365.960 | 2.650 | 366.830 | 1.350 | 368.620 | -0.080 | 369.640 | -0.590 |
| 370.990 | -0.580 | 373.270 | -0.270 | 375.850 | -0.080 | 377.920 | 0.020 |
| 377.920 | 0.790 | 377.620 | 0.790 | 377.620 | 1.290 | 378.320 | 1.300 |
| 380.480 | 1.330 | 384.540 | 3.330 | 385.140 | 3.360 | 385.910 | 3.540 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 396.130 | 3.440 | 405.280 | 3.440 | 415.210 | 3.470 | 424.260 | 3.540 |
| 433.610 | 3.690 | 438.440 | 6.020 | 439.320 | 6.120 | 439.940 | 6.270 |
| 443.660 | 6.640 | 447.240 | 8.320 | 448.530 | 8.980 | 448.780 | 9.030 |
| 449.270 | 9.030 | 449.270 | 9.350 | 449.270 | 9.030 | 449.530 | 9.040 |
| 449.880 | 9.350 | 450.170 | 9.340 | 453.120 | 9.410 | 455.930 | 9.360 |
| 456.040 | 9.360 | 456.180 | 9.370 | 462.420 | 6.310 | 465.780 | 6.090 |
| 472.030 | 3.790 | 474.160 | 3.420 | 474.160 | 3.580 | 474.160 | 3.420 |
| 474.160 | 3.420 | 476.340 | 3.440 | 478.190 | 3.030 | 484.320 | 2.660 |
| 485.100 | 2.490 | 485.830 | 1.970 | 486.350 | 1.060 | 486.460 | 0.800 |
| 488.360 | 0.790 | 488.480 | 1.060 | 488.910 | 1.940 | 489.430 | 2.220 |
| 491.790 | 2.270 | 492.910 | 1.750 | 493.300 | 1.480 | 493.610 | 1.500 |
| 494.030 | 1.760 | 494.390 | 1.700 | 494.780 | 1.620 | | |
| 25.2 | 0.000 | | | | 164 | 51.120 | 29.137 |
| -45.840 | 4.010 | -44.510 | 4.600 | -40.900 | 4.490 | -39.680 | 4.030 |
| -34.390 | 4.170 | -34.390 | 4.180 | -34.390 | 4.320 | -34.390 | 4.180 |
| -34.090 | 4.180 | -33.810 | 4.040 | -33.710 | 4.150 | -30.030 | 4.590 |
| -26.510 | 4.900 | -26.460 | 4.800 | -26.460 | 4.500 | -26.160 | 4.500 |
| -26.110 | 4.800 | -26.110 | 4.900 | -23.550 | 4.990 | -23.130 | 5.530 |
| -22.110 | 5.590 | -16.720 | 7.600 | -12.850 | 7.850 | -7.660 | 10.130 |
| -7.660 | 10.310 | -7.660 | 10.130 | -6.660 | 10.310 | -4.600 | 10.340 |
| -2.190 | 10.250 | -1.360 | 10.150 | -0.520 | 9.800 | 0.000 | 9.540 |
| 0.000 | 10.030 | 0.000 | 9.540 | 0.440 | 9.310 | 6.460 | 6.560 |
| 12.500 | 6.280 | 13.560 | 6.220 | 20.630 | 2.830 | 27.170 | 2.670 |
| 35.050 | 2.450 | 42.160 | 2.410 | 47.800 | 2.030 | 50.700 | 2.380 |
| 57.040 | 2.690 | 64.610 | 2.810 | 70.000 | 2.690 | 75.650 | 1.660 |
| 82.240 | 1.430 | 88.410 | 1.660 | 92.820 | 1.670 | 92.820 | 1.830 |
| 92.820 | 1.680 | 97.810 | 0.900 | 102.810 | 0.360 | 107.800 | 0.120 |
| 112.790 | 0.120 | 117.790 | -0.080 | 122.780 | -0.210 | 127.770 | -0.230 |
| 132.770 | -0.230 | 137.760 | -0.210 | 142.750 | -0.210 | 147.750 | -0.130 |
| 152.740 | -0.160 | 157.740 | -0.090 | 162.730 | -0.070 | 167.720 | 0.010 |
| 172.720 | 0.050 | 177.710 | 0.040 | 182.700 | 0.060 | 187.700 | 0.080 |
| 192.690 | 0.000 | 197.680 | 0.000 | 202.680 | -0.010 | 207.670 | -0.040 |
| 212.660 | -0.120 | 217.660 | -0.180 | 222.650 | -0.240 | 227.640 | -0.320 |
| 232.640 | -0.380 | 237.630 | -0.460 | 242.620 | -0.530 | 247.620 | -0.610 |
| 252.610 | -0.690 | 257.610 | -0.780 | 262.600 | -0.860 | 267.590 | -0.890 |
| 272.590 | -1.030 | 277.580 | -1.080 | 282.570 | -1.090 | 287.570 | -1.150 |
| 292.560 | -0.960 | 297.550 | -0.940 | 302.550 | -0.870 | 307.540 | -0.840 |
| 312.530 | -0.880 | 317.530 | -0.890 | 322.520 | -0.880 | 327.510 | -0.880 |
| 332.510 | -0.960 | 337.500 | -1.050 | 342.490 | -1.120 | 347.490 | -1.230 |
| 352.480 | -1.340 | 357.480 | -1.470 | 362.470 | -1.660 | 367.460 | -1.830 |
| 369.960 | -2.080 | 372.460 | -0.700 | 374.650 | -0.550 | 377.450 | -0.250 |
| 379.750 | -0.130 | 379.750 | 0.790 | 379.300 | 0.790 | 379.300 | 1.290 |
| 379.800 | 1.290 | 384.180 | 3.370 | 385.040 | 3.430 | 385.440 | 3.610 |
| 385.440 | 3.810 | 385.440 | 3.620 | 395.780 | 3.520 | 400.380 | 3.530 |
| 410.710 | 3.530 | 420.820 | 3.560 | 431.060 | 3.620 | 441.060 | 3.700 |
| 445.920 | 3.770 | 450.480 | 6.040 | 451.420 | 6.140 | 452.380 | 6.280 |
| 455.670 | 6.720 | 459.110 | 8.400 | 460.460 | 9.070 | 460.610 | 9.080 |
| 460.940 | 9.100 | 461.060 | 9.170 | 461.060 | 9.490 | 461.060 | 9.170 |
| 461.260 | 9.320 | 461.560 | 9.320 | 461.750 | 9.330 | 464.910 | 9.380 |
| 467.840 | 9.310 | 468.400 | 9.310 | 471.310 | 8.640 | 473.240 | 7.930 |
| 475.320 | 7.540 | 478.430 | 7.060 | 482.080 | 5.510 | 484.970 | 4.080 |
| 488.720 | 4.010 | 493.060 | 4.060 | 493.060 | 4.230 | 493.060 | 4.060 |
| 494.670 | 4.050 | 495.470 | 4.240 | 497.130 | 4.290 | 504.960 | 4.460 |
| 505.300 | 4.460 | 506.520 | 4.490 | 507.610 | 5.680 | 508.870 | 5.740 |
| 25.4 | 0.000 | | | | 179 | 69.140 | 34.163 |
| -39.800 | 4.210 | -37.700 | 4.000 | -37.540 | 3.980 | -37.540 | 3.680 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| -37.240 | 3.680 | -37.210 | 3.980 | -34.700 | 4.020 | -34.570 | 3.920 |
| -34.420 | 3.840 | -34.380 | 4.090 | -34.080 | 4.310 | -33.910 | 4.770 |
| -33.430 | 4.990 | -32.150 | 5.060 | -24.660 | 5.580 | -23.890 | 5.580 |
| -23.500 | 5.710 | -23.500 | 5.830 | -23.500 | 5.710 | -18.480 | 7.920 |
| -17.610 | 7.960 | -15.070 | 7.970 | -14.470 | 8.010 | -14.250 | 8.420 |
| -13.490 | 8.440 | -9.310 | 10.330 | -8.490 | 10.370 | -8.390 | 10.380 |
| -6.400 | 10.410 | -4.370 | 10.290 | -2.750 | 10.330 | -1.540 | 9.730 |
| -1.000 | 9.470 | -1.000 | 9.980 | -1.000 | 9.470 | -0.480 | 9.180 |
| 1.240 | 8.370 | 2.180 | 8.290 | 3.110 | 7.970 | 3.840 | 7.970 |
| 4.050 | 7.500 | 7.640 | 7.440 | 9.660 | 6.470 | 14.280 | 6.350 |
| 15.260 | 6.310 | 22.240 | 2.860 | 27.750 | 2.910 | 36.740 | 2.980 |
| 46.020 | 2.880 | 51.520 | 2.560 | 55.400 | 2.370 | 57.380 | 2.530 |
| 58.790 | 2.000 | 60.220 | 1.250 | 63.430 | 1.020 | 68.060 | 1.380 |
| 69.210 | 1.920 | 73.470 | 2.030 | 76.720 | 2.450 | 80.240 | 2.270 |
| 83.600 | 2.500 | 87.030 | 2.390 | 88.540 | 1.960 | 89.520 | 1.480 |
| 92.160 | 1.310 | 95.920 | 1.140 | 100.530 | 1.330 | 103.640 | 1.260 |
| 108.730 | 1.750 | 110.890 | 1.860 | 110.890 | 2.020 | 110.890 | 1.880 |
| 112.740 | 0.800 | 113.780 | 0.480 | 115.880 | 0.470 | 120.870 | 0.800 |
| 125.860 | 0.950 | 130.850 | 1.040 | 133.650 | 1.250 | 134.900 | 0.800 |
| 135.850 | 0.680 | 140.840 | 0.430 | 145.830 | 0.440 | 150.820 | 0.470 |
| 155.810 | 0.410 | 160.800 | 0.450 | 165.790 | 0.490 | 170.780 | 0.490 |
| 175.770 | 0.490 | 180.760 | 0.340 | 185.760 | 0.390 | 190.750 | 0.340 |
| 195.740 | 0.280 | 200.730 | 0.280 | 205.720 | 0.200 | 210.710 | 0.160 |
| 215.700 | 0.090 | 220.690 | 0.080 | 225.680 | 0.030 | 230.680 | 0.000 |
| 235.670 | -0.040 | 240.660 | -0.100 | 245.650 | -0.120 | 250.640 | -0.220 |
| 255.630 | -0.320 | 260.620 | -0.430 | 265.610 | -0.490 | 270.600 | -0.560 |
| 275.590 | -0.650 | 280.590 | -0.770 | 285.580 | -0.870 | 290.570 | -0.970 |
| 295.560 | -1.070 | 300.550 | -1.160 | 305.540 | -1.230 | 310.530 | -1.300 |
| 315.520 | -1.430 | 320.510 | -1.520 | 325.500 | -1.640 | 330.500 | -1.740 |
| 335.490 | -1.760 | 340.480 | -1.840 | 345.470 | -1.910 | 350.460 | -2.000 |
| 355.450 | -2.010 | 360.440 | -2.060 | 365.430 | -2.170 | 370.420 | -2.410 |
| 375.420 | -2.650 | 378.410 | -0.600 | 379.610 | -0.300 | 380.410 | -0.250 |
| 384.600 | 0.050 | 384.600 | 0.750 | 384.100 | 0.770 | 384.100 | 1.280 |
| 384.600 | 1.280 | 389.100 | 3.470 | 390.140 | 3.520 | 390.390 | 3.610 |
| 390.390 | 3.810 | 390.390 | 3.600 | 400.990 | 3.620 | 411.200 | 3.630 |
| 420.880 | 3.670 | 429.830 | 3.730 | 437.960 | 3.760 | 447.200 | 3.790 |
| 451.410 | 5.900 | 455.020 | 5.950 | 455.020 | 6.060 | 455.330 | 6.060 |
| 455.610 | 6.210 | 456.760 | 6.300 | 460.990 | 6.770 | 464.460 | 8.460 |
| 465.080 | 8.800 | 465.530 | 9.040 | 465.530 | 9.380 | 465.530 | 9.040 |
| 465.980 | 9.250 | 466.580 | 9.570 | 466.980 | 9.590 | 469.970 | 9.620 |
| 473.680 | 9.570 | 477.210 | 9.340 | 477.950 | 9.150 | 477.950 | 9.320 |
| 477.950 | 9.150 | 478.100 | 9.150 | 480.950 | 7.900 | 484.470 | 7.760 |
| 491.030 | 4.870 | 491.540 | 4.810 | 491.640 | 4.510 | 495.390 | 4.390 |
| 500.410 | 4.170 | 509.790 | 3.870 | 512.810 | 3.810 | | |
| 25.6 | 0.000 | | | | 159 | 57 135 | 35 149 |
| -76.110 | 2.270 | -73.550 | 2.310 | -72.220 | 2.480 | -71.720 | 2.720 |
| -71.300 | 2.740 | -69.940 | 2.730 | -69.610 | 2.720 | -68.720 | 2.220 |
| -68.720 | 1.520 | -67.450 | 1.530 | -67.450 | 2.230 | -67.410 | 2.230 |
| -67.410 | 2.640 | -66.010 | 2.870 | -65.940 | 3.990 | -65.450 | 4.130 |
| -58.140 | 4.140 | -55.160 | 4.270 | -35.040 | 4.450 | -32.440 | 4.200 |
| -32.160 | 4.170 | -32.160 | 4.170 | -31.570 | 4.160 | -30.330 | 4.340 |
| -26.720 | 4.440 | -26.540 | 4.740 | -23.630 | 4.930 | -17.550 | 7.740 |
| -13.730 | 7.990 | -8.340 | 10.280 | -8.340 | 10.480 | -8.340 | 10.280 |
| -7.580 | 10.380 | -5.320 | 10.390 | -2.850 | 10.280 | -1.990 | 10.180 |
| -1.480 | 9.960 | -1.000 | 9.720 | -1.000 | 10.180 | -1.000 | 9.720 |
| -0.420 | 9.430 | 6.190 | 6.650 | 12.240 | 6.410 | 13.240 | 6.380 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 20.600 | 2.950 | 28.450 | 2.830 | 39.000 | 2.780 | 47.310 | 2.800 |
| 54.080 | 2.770 | 63.210 | 2.820 | 71.570 | 2.760 | 76.000 | 2.800 |
| 84.910 | 2.700 | 89.000 | 2.710 | 99.910 | 2.640 | 104.850 | 3.340 |
| 109.860 | 3.390 | 111.490 | 2.730 | 113.220 | 2.210 | 115.130 | 1.420 |
| 120.300 | 0.670 | 121.500 | 0.560 | 126.770 | 0.520 | 131.010 | 0.470 |
| 135.740 | 0.370 | 140.440 | 0.250 | 142.850 | 0.190 | 145.760 | 0.290 |
| 150.160 | 0.440 | 155.000 | 0.540 | 157.310 | 0.400 | 158.800 | 0.660 |
| 160.650 | 1.070 | 169.000 | 1.240 | 172.940 | 1.490 | 176.420 | 2.620 |
| 183.310 | 2.810 | 191.710 | 2.560 | 191.710 | 2.700 | 191.710 | 2.550 |
| 193.960 | 2.350 | 195.710 | 1.880 | 197.580 | 0.990 | 201.700 | 0.810 |
| 206.690 | 0.780 | 211.690 | 1.040 | 216.680 | 0.940 | 221.670 | 0.710 |
| 222.170 | 0.680 | 226.670 | 0.440 | 231.660 | 0.290 | 236.650 | 0.170 |
| 241.650 | 0.070 | 246.640 | 0.070 | 251.640 | -0.020 | 256.630 | -0.080 |
| 261.620 | -0.150 | 266.620 | -0.380 | 271.610 | -0.620 | 276.600 | -0.750 |
| 281.600 | -0.860 | 286.590 | -1.020 | 291.590 | -1.150 | 296.580 | -1.320 |
| 301.570 | -1.310 | 306.570 | -1.430 | 311.560 | -1.480 | 316.550 | -1.570 |
| 321.550 | -1.600 | 326.540 | -1.660 | 331.540 | -1.640 | 336.530 | -1.740 |
| 341.520 | -1.770 | 346.520 | -1.820 | 351.510 | -1.900 | 356.510 | -1.940 |
| 361.500 | -2.020 | 366.490 | -2.080 | 371.490 | -2.140 | 376.480 | -2.220 |
| 381.470 | -2.280 | 386.470 | -2.300 | 387.370 | -2.030 | 389.760 | -0.650 |
| 391.460 | -0.400 | 392.090 | -0.350 | 396.460 | 0.150 | 397.160 | 0.150 |
| 397.160 | 0.650 | 396.710 | 0.750 | 396.710 | 1.270 | 397.250 | 1.270 |
| 401.650 | 3.470 | 402.240 | 3.510 | 402.970 | 3.720 | 413.490 | 3.630 |
| 421.560 | 3.600 | 431.400 | 3.650 | 440.870 | 3.660 | 450.600 | 3.750 |
| 459.060 | 3.970 | 463.840 | 6.240 | 464.200 | 6.290 | 464.200 | 6.330 |
| 464.520 | 6.310 | 466.070 | 6.640 | 469.420 | 7.020 | 472.460 | 8.510 |
| 474.560 | 9.660 | 477.820 | 9.730 | 480.760 | 9.650 | 484.140 | 9.470 |
| 489.720 | 9.260 | 493.730 | 8.970 | 493.930 | 8.320 | 498.070 | 8.190 |
| 505.040 | 4.860 | 509.310 | 4.720 | 514.020 | 2.920 | | |
| 25.8 | 0.000 | | | 182 | 55 | 152 | 24 170 |
| -47.600 | 3.720 | -45.960 | 4.070 | -45.960 | 4.440 | -43.970 | 4.440 |
| -32.380 | 4.420 | -31.710 | 4.420 | -31.710 | 4.220 | -31.140 | 4.180 |
| -31.140 | 3.400 | -31.140 | 4.180 | -30.930 | 4.180 | -30.930 | 3.880 |
| -30.630 | 3.880 | -30.630 | 4.180 | -28.490 | 4.410 | -25.370 | 4.470 |
| -25.130 | 4.840 | -22.770 | 4.930 | -16.600 | 7.820 | -13.030 | 8.150 |
| -7.820 | 10.420 | -6.810 | 10.430 | -4.420 | 10.410 | -2.580 | 10.320 |
| -1.590 | 10.290 | -0.380 | 9.550 | 0.000 | 9.430 | 0.000 | 9.970 |
| 0.000 | 9.430 | 0.380 | 9.210 | 5.800 | 6.830 | 12.300 | 6.470 |
| 13.270 | 6.420 | 20.330 | 3.020 | 28.410 | 2.970 | 38.440 | 2.930 |
| 45.030 | 2.810 | 54.580 | 2.750 | 56.300 | 2.520 | 58.950 | 1.940 |
| 61.110 | 1.900 | 66.400 | 2.680 | 70.960 | 2.700 | 73.050 | 2.280 |
| 74.570 | 2.300 | 79.100 | 2.830 | 84.960 | 2.860 | 88.000 | 2.320 |
| 92.810 | 2.680 | 94.240 | 2.040 | 96.050 | 2.080 | 97.480 | 2.910 |
| 100.400 | 2.880 | 107.610 | 3.160 | 114.970 | 3.510 | 119.030 | 3.050 |
| 119.030 | 3.250 | 119.030 | 3.060 | 120.430 | 2.860 | 122.330 | 2.010 |
| 124.530 | 1.430 | 125.930 | 1.600 | 127.230 | 1.620 | 129.030 | 1.390 |
| 134.020 | 1.260 | 139.020 | 1.450 | 144.020 | 1.590 | 149.020 | 1.630 |
| 154.020 | 1.700 | 159.020 | 1.700 | 164.010 | 1.720 | 169.010 | 1.730 |
| 174.010 | 1.610 | 179.010 | 1.570 | 184.010 | 1.540 | 189.000 | 1.420 |
| 194.000 | 1.410 | 199.000 | 1.320 | 204.000 | 1.250 | 209.000 | 1.240 |
| 214.000 | 1.060 | 218.990 | 1.020 | 223.990 | 0.850 | 228.990 | 0.740 |
| 233.990 | 0.650 | 235.490 | 0.590 | 238.990 | 0.550 | 243.980 | 0.430 |
| 248.980 | 0.490 | 253.980 | 0.320 | 258.980 | -0.010 | 263.980 | -0.200 |
| 268.980 | -0.710 | 273.970 | -0.980 | 278.970 | -1.200 | 283.970 | -1.330 |
| 288.970 | -1.410 | 293.970 | -1.630 | 298.970 | -1.790 | 303.960 | -1.790 |
| 308.960 | -1.880 | 313.960 | -1.910 | 318.960 | -1.630 | 323.960 | -2.060 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 328.950 | -2.120 | 333.950 | -2.320 | 338.950 | -2.460 | 343.950 | -2.640 |
| 348.950 | -2.820 | 353.950 | -2.900 | 358.940 | -2.950 | 363.940 | -2.900 |
| 368.940 | -2.820 | 373.940 | -2.370 | 378.940 | -0.850 | 382.680 | 0.540 |
| 383.930 | 0.720 | 386.530 | 0.790 | 387.280 | 0.430 | 388.930 | 0.630 |
| 389.130 | 0.680 | 389.930 | 0.740 | 389.930 | 1.310 | 390.770 | 1.320 |
| 390.770 | 1.490 | 391.170 | 1.490 | 391.170 | 1.670 | 391.570 | 1.670 |
| 391.570 | 1.850 | 391.970 | 1.850 | 391.970 | 2.030 | 392.370 | 2.030 |
| 392.370 | 2.210 | 392.770 | 2.210 | 392.770 | 2.400 | 393.170 | 2.400 |
| 393.170 | 2.580 | 393.570 | 2.580 | 393.570 | 2.770 | 393.970 | 2.770 |
| 393.970 | 2.960 | 394.370 | 2.960 | 394.370 | 3.140 | 394.770 | 3.140 |
| 394.770 | 3.330 | 395.170 | 3.330 | 395.170 | 3.520 | 395.570 | 3.520 |
| 395.570 | 3.630 | 396.960 | 3.630 | 397.160 | 3.720 | 397.330 | 3.780 |
| 397.330 | 3.910 | 397.330 | 3.770 | 401.060 | 3.780 | 405.170 | 3.780 |
| 413.530 | 3.800 | 423.020 | 3.850 | 433.140 | 3.900 | 442.070 | 3.950 |
| 450.140 | 3.950 | 454.880 | 6.430 | 455.780 | 6.520 | 455.780 | 6.550 |
| 455.960 | 6.520 | 456.630 | 6.630 | 460.780 | 7.020 | 461.400 | 7.100 |
| 464.180 | 8.550 | 467.730 | 10.710 | 468.330 | 10.720 | 468.580 | 10.620 |
| 471.070 | 10.650 | 474.290 | 10.630 | 474.930 | 10.590 | 478.720 | 8.980 |
| 480.740 | 9.050 | 480.940 | 8.420 | 485.080 | 8.230 | 491.810 | 4.930 |
| 496.070 | 4.740 | 499.930 | 3.250 | | | | |
| 26.0 | 0.000 | | | | 166 | 59 110 | 28 144 |
| -76.510 | 2.800 | -76.000 | 2.810 | -75.480 | 2.470 | -66.210 | 2.410 |
| -55.730 | 2.400 | -45.050 | 2.390 | -35.750 | 2.380 | -35.200 | 2.370 |
| -34.980 | 2.900 | -34.050 | 2.980 | -31.750 | 4.280 | -31.750 | 4.400 |
| -31.750 | 4.280 | -29.220 | 4.640 | -26.060 | 4.730 | -25.160 | 4.720 |
| -24.940 | 5.190 | -24.060 | 5.230 | -18.200 | 7.920 | -13.900 | 8.120 |
| -8.910 | 10.470 | -8.910 | 10.630 | -8.910 | 10.470 | -7.880 | 10.560 |
| -5.320 | 10.510 | -3.090 | 10.410 | -2.480 | 10.250 | -1.300 | 9.660 |
| -1.000 | 9.560 | -1.000 | 10.110 | -1.000 | 9.560 | -0.710 | 9.420 |
| 4.890 | 6.830 | 12.580 | 6.500 | 13.600 | 6.550 | 20.470 | 3.140 |
| 29.820 | 3.080 | 40.530 | 2.910 | 49.000 | 2.880 | 56.660 | 3.200 |
| 66.280 | 3.150 | 71.930 | 3.310 | 82.810 | 2.880 | 84.470 | 3.140 |
| 92.880 | 3.180 | 97.200 | 3.270 | 99.180 | 3.090 | 108.490 | 3.070 |
| 111.930 | 2.890 | 118.490 | 3.190 | 120.490 | 2.870 | 126.260 | 2.920 |
| 129.380 | 3.230 | 138.430 | 3.280 | 143.080 | 3.710 | 149.000 | 3.510 |
| 155.330 | 2.720 | 162.010 | 2.910 | 163.420 | 2.710 | 163.420 | 2.850 |
| 163.420 | 2.690 | 166.020 | 1.950 | 168.420 | 1.660 | 169.020 | 1.160 |
| 172.410 | 0.490 | 173.410 | 0.290 | 178.410 | 0.410 | 183.400 | 0.180 |
| 188.400 | 0.100 | 193.400 | 0.230 | 198.390 | 0.430 | 203.390 | 0.480 |
| 208.380 | 0.460 | 213.380 | 0.440 | 218.380 | 0.420 | 223.370 | 0.330 |
| 228.370 | 0.170 | 233.360 | 0.210 | 238.360 | 0.170 | 243.360 | 0.090 |
| 248.350 | -0.070 | 253.350 | -0.230 | 258.340 | -0.380 | 263.340 | -0.520 |
| 268.330 | -0.580 | 273.330 | -0.630 | 278.330 | -0.690 | 283.320 | -0.920 |
| 288.320 | -1.060 | 293.310 | -1.340 | 298.310 | -1.640 | 303.310 | -2.050 |
| 308.300 | -2.150 | 313.300 | -1.470 | 318.290 | -2.350 | 323.290 | -2.250 |
| 328.290 | -2.450 | 333.280 | -2.650 | 338.280 | -3.050 | 343.270 | -3.070 |
| 348.270 | -3.150 | 353.270 | -2.460 | 358.260 | -1.340 | 363.260 | -0.860 |
| 368.250 | 0.340 | 368.750 | 0.440 | 369.650 | 0.920 | 370.350 | 1.100 |
| 370.800 | 2.000 | 372.250 | 3.010 | 373.750 | 3.250 | 376.210 | 3.440 |
| 379.990 | 1.410 | 382.200 | 1.170 | 386.430 | 1.110 | 387.970 | 0.390 |
| 390.250 | 0.240 | 391.320 | -0.190 | 392.640 | 0.320 | 392.640 | 0.830 |
| 392.340 | 0.830 | 392.340 | 1.350 | 392.790 | 1.360 | 397.370 | 3.630 |
| 399.390 | 3.720 | 399.390 | 3.820 | 399.690 | 3.820 | 402.810 | 3.860 |
| 409.770 | 3.900 | 419.670 | 3.990 | 429.250 | 4.010 | 439.110 | 4.070 |
| 448.540 | 4.100 | 456.870 | 4.130 | 461.520 | 6.470 | 462.420 | 6.520 |
| 462.420 | 6.560 | 462.600 | 6.540 | 463.170 | 6.630 | 467.200 | 7.150 |

S59横断データ (-0.6~56.2). dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 470.200 | 8.610 | 471.980 | 9.490 | 473.870 | 9.360 | 475.440 | 10.060 |
| 475.700 | 10.100 | 478.670 | 10.190 | 480.960 | 10.110 | 481.510 | 10.090 |
| 482.710 | 10.150 | 484.200 | 9.520 | 488.030 | 9.520 | 491.240 | 9.090 |
| 491.480 | 8.230 | 494.610 | 8.180 | 495.070 | 8.420 | 495.590 | 8.290 |
| 502.420 | 4.940 | 506.680 | 4.790 | 508.620 | 4.160 | 509.100 | 4.030 |
| 509.100 | 3.730 | 509.400 | 3.730 | 509.400 | 4.030 | 509.800 | 4.010 |
| 511.270 | 3.520 | 511.900 | 3.450 | | | | |
| 26.2 | 0.000 | | | | 190 | 74 124 | 25 163 |
| -49.000 | 2.410 | -39.200 | 2.380 | -38.370 | 2.380 | -38.130 | 2.840 |
| -37.040 | 2.920 | -32.600 | 4.500 | -32.600 | 4.620 | -32.600 | 4.500 |
| -31.240 | 4.600 | -26.810 | 4.790 | -26.340 | 4.820 | -26.020 | 5.230 |
| -24.810 | 5.300 | -17.880 | 7.940 | -13.790 | 8.120 | -8.790 | 10.460 |
| -8.790 | 10.580 | -8.790 | 10.460 | -7.680 | 10.670 | -5.500 | 10.640 |
| -3.410 | 10.570 | -2.130 | 10.400 | -1.360 | 10.050 | -1.000 | 9.880 |
| -1.000 | 10.420 | -1.000 | 9.870 | -0.650 | 9.680 | 5.060 | 6.990 |
| 12.000 | 6.590 | 13.000 | 6.550 | 18.240 | 4.000 | 21.730 | 4.010 |
| 23.450 | 3.200 | 32.940 | 3.250 | 41.850 | 3.200 | 49.260 | 3.200 |
| 55.290 | 3.120 | 60.120 | 3.080 | 62.100 | 2.820 | 67.910 | 2.850 |
| 72.420 | 3.040 | 78.000 | 2.490 | 82.870 | 2.920 | 86.240 | 3.070 |
| 87.940 | 2.690 | 89.100 | 1.780 | 91.330 | 1.580 | 93.680 | 1.790 |
| 95.330 | 3.080 | 96.910 | 2.740 | 99.000 | 3.080 | 104.050 | 2.590 |
| 106.340 | 2.750 | 108.430 | 2.440 | 112.830 | 2.650 | 116.580 | 1.990 |
| 117.850 | 1.630 | 124.290 | 1.410 | 132.720 | 1.760 | 134.630 | 2.860 |
| 139.460 | 3.500 | 142.440 | 3.830 | 145.300 | 3.840 | 149.000 | 3.270 |
| 151.440 | 2.650 | 156.640 | 2.860 | 159.380 | 2.700 | 161.490 | 3.030 |
| 164.710 | 2.880 | 167.290 | 1.560 | 168.820 | 1.520 | 170.220 | 2.690 |
| 171.790 | 2.880 | 173.770 | 2.570 | 173.770 | 2.770 | 173.770 | 2.570 |
| 174.560 | 2.330 | 175.010 | 1.930 | 178.770 | 1.060 | 183.760 | 0.370 |
| 186.300 | 0.220 | 188.760 | 0.020 | 193.760 | -0.080 | 198.750 | -0.120 |
| 203.750 | -0.100 | 208.750 | -0.050 | 213.740 | -0.090 | 218.740 | 0.010 |
| 223.740 | 0.130 | 228.730 | 0.200 | 233.730 | 0.190 | 238.730 | 0.050 |
| 243.720 | -0.050 | 248.720 | -0.200 | 253.720 | -0.340 | 258.720 | -0.590 |
| 263.710 | -0.800 | 268.710 | -1.000 | 273.710 | -1.150 | 278.700 | -1.340 |
| 283.700 | -1.500 | 288.700 | -1.660 | 293.690 | -1.710 | 298.690 | -1.810 |
| 303.690 | -1.710 | 308.680 | -1.750 | 313.680 | -1.810 | 318.680 | -1.810 |
| 323.670 | -1.790 | 328.670 | -1.810 | 333.670 | -1.790 | 338.660 | -1.630 |
| 343.660 | -1.620 | 348.660 | -1.560 | 353.650 | -2.180 | 358.650 | -3.000 |
| 363.650 | -2.900 | 365.250 | -2.320 | 368.640 | -0.470 | 370.290 | 0.180 |
| 372.440 | 1.210 | 373.540 | 2.080 | 374.140 | 3.320 | 375.640 | 3.370 |
| 375.640 | 3.520 | 375.640 | 3.350 | 378.400 | 3.240 | 381.370 | 1.600 |
| 383.550 | 1.120 | 388.930 | 0.960 | 390.470 | 0.200 | 391.270 | 0.040 |
| 392.130 | -0.220 | 395.220 | -0.010 | 395.220 | 0.850 | 394.920 | 0.850 |
| 394.920 | 1.360 | 395.350 | 1.370 | 399.950 | 3.630 | 402.000 | 3.720 |
| 402.000 | 3.830 | 402.220 | 3.770 | 405.490 | 3.860 | 412.610 | 3.900 |
| 421.960 | 3.920 | 430.950 | 3.940 | 440.540 | 4.000 | 450.290 | 4.040 |
| 460.040 | 4.070 | 471.010 | 4.110 | 475.670 | 6.410 | 476.480 | 6.490 |
| 476.930 | 6.600 | 481.470 | 7.040 | 484.790 | 8.660 | 487.510 | 10.060 |
| 489.560 | 10.080 | 490.040 | 10.090 | 490.040 | 10.380 | 490.040 | 10.080 |
| 490.530 | 10.090 | 491.230 | 10.160 | 491.720 | 10.510 | 492.180 | 10.500 |
| 495.220 | 10.610 | 497.960 | 10.560 | 498.720 | 10.430 | 500.760 | 10.290 |
| 501.100 | 10.320 | 506.000 | 7.680 | 508.400 | 7.520 | 511.760 | 6.400 |
| 516.650 | 6.320 | 516.960 | 6.220 | 516.960 | 5.860 | 517.340 | 5.860 |
| 517.340 | 6.220 | 517.530 | 6.290 | 517.530 | 6.450 | 517.530 | 6.290 |
| 517.530 | 6.290 | 518.070 | 6.380 | 521.060 | 6.510 | 522.360 | 7.420 |
| 522.690 | 7.480 | 524.750 | 7.570 | 525.200 | 7.710 | 526.190 | 7.780 |
| 532.240 | 7.900 | 535.860 | 7.890 | | | | |

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|---------|--------|---------|--------|---------|--------|---------|-----|----|--------|
| 26.4 | 0.000 | | | | 169 | 58 | 103 | 24 | 143 |
| -75.000 | 2.420 | -65.000 | 2.430 | -55.000 | 2.420 | -45.000 | | | 2.430 |
| -35.300 | 2.440 | -34.790 | 2.430 | -34.620 | 2.820 | -33.890 | | | 2.910 |
| -29.780 | 4.590 | -29.780 | 4.710 | -29.780 | 4.590 | -28.830 | | | 4.700 |
| -25.550 | 4.790 | -25.330 | 4.790 | -25.070 | 5.270 | -24.000 | | | 5.240 |
| -16.940 | 7.960 | -12.800 | 8.120 | -7.540 | 10.600 | -7.540 | | | 10.680 |
| -7.540 | 10.600 | -6.830 | 10.670 | -4.230 | 10.710 | -1.940 | | | 10.650 |
| -1.040 | 10.500 | -0.260 | 10.010 | 0.000 | 9.910 | 0.000 | | | 10.420 |
| 0.000 | 9.910 | 0.310 | 9.790 | 6.710 | 6.820 | 9.450 | | | 6.550 |
| 20.400 | 3.320 | 30.810 | 3.030 | 41.320 | 3.050 | 50.830 | | | 3.090 |
| 60.000 | 3.210 | 70.000 | 3.210 | 78.890 | 3.020 | 89.620 | | | 3.100 |
| 95.610 | 3.080 | 98.150 | 2.060 | 101.120 | 1.940 | 102.780 | | | 2.560 |
| 105.210 | 2.660 | 108.830 | 2.900 | 117.050 | 2.740 | 119.710 | | | 2.430 |
| 121.510 | 2.740 | 126.930 | 2.780 | 129.790 | 3.210 | 135.560 | | | 2.760 |
| 139.700 | 2.700 | 146.190 | 2.190 | 151.430 | 2.230 | 154.150 | | | 2.600 |
| 161.500 | 2.660 | 164.000 | 2.810 | 164.000 | 2.950 | 164.000 | | | 2.820 |
| 168.980 | 1.450 | 173.970 | 0.930 | 178.950 | 0.700 | 183.940 | | | 0.330 |
| 188.920 | 0.150 | 189.970 | 0.160 | 193.910 | -0.080 | 198.890 | | | -0.270 |
| 203.880 | -0.480 | 208.860 | -0.590 | 213.850 | -0.890 | 218.830 | | | -0.940 |
| 223.820 | -1.170 | 228.800 | -1.150 | 233.790 | -1.150 | 238.770 | | | -1.010 |
| 243.760 | -0.970 | 248.740 | -1.230 | 253.730 | -1.230 | 258.710 | | | -1.330 |
| 263.700 | -1.350 | 268.680 | -1.250 | 273.670 | -1.340 | 278.650 | | | -1.540 |
| 283.640 | -1.670 | 288.620 | -1.460 | 293.610 | -1.380 | 298.590 | | | -1.380 |
| 303.580 | -1.420 | 308.560 | -1.480 | 313.550 | -1.530 | 318.530 | | | -1.600 |
| 323.520 | -1.660 | 328.500 | -1.700 | 333.490 | -1.670 | 338.470 | | | -1.590 |
| 343.460 | -1.610 | 348.440 | -1.570 | 350.630 | -1.270 | 353.430 | | | 0.130 |
| 356.820 | 0.970 | 357.460 | 3.030 | 358.710 | 3.260 | 358.710 | | | 3.500 |
| 359.310 | 3.470 | 359.310 | 3.600 | 359.310 | 3.470 | 362.740 | | | 3.340 |
| 367.470 | 3.470 | 378.440 | 3.210 | 382.280 | 1.350 | 387.080 | | | 0.920 |
| 388.380 | 0.500 | 388.660 | 0.220 | 389.520 | -0.340 | 393.170 | | | -0.340 |
| 393.170 | 0.220 | 393.170 | 0.830 | 392.870 | 0.830 | 392.870 | | | 1.350 |
| 393.340 | 1.350 | 398.020 | 3.680 | 400.060 | 3.750 | 400.060 | | | 3.850 |
| 400.360 | 3.850 | 403.440 | 3.920 | 412.260 | 3.950 | 421.920 | | | 3.990 |
| 431.670 | 4.030 | 441.520 | 4.100 | 451.270 | 4.120 | 461.680 | | | 4.180 |
| 471.790 | 4.220 | 483.120 | 4.250 | 487.260 | 6.370 | 488.160 | | | 6.430 |
| 488.520 | 6.490 | 493.070 | 7.050 | 496.340 | 8.670 | 498.820 | | | 10.020 |
| 498.820 | 10.270 | 498.820 | 10.020 | 498.970 | 10.080 | 504.020 | | | 10.160 |
| 504.120 | 10.250 | 506.820 | 10.300 | 509.520 | 10.260 | 510.020 | | | 10.030 |
| 512.470 | 9.920 | 512.670 | 9.730 | 512.670 | 9.890 | 512.670 | | | 9.730 |
| 516.160 | 7.550 | 517.690 | 7.000 | 520.120 | 6.810 | 529.340 | | | 3.720 |
| 531.020 | 3.520 | 531.020 | 3.160 | 531.380 | 3.160 | 531.380 | | | 3.520 |
| 531.600 | 3.570 | 531.600 | 3.760 | 531.600 | 3.570 | 531.600 | | | 3.570 |
| 534.460 | 3.990 | 534.850 | 4.630 | 536.340 | 5.110 | 544.770 | | | 5.350 |
| 546.840 | 5.370 | | | | | | | | |
| 26.6 | 0.000 | | | | 185 | 61 | 115 | 25 | 160 |
| -46.000 | 2.390 | -36.350 | 2.420 | -36.200 | 2.540 | -35.890 | | | 2.550 |
| -35.350 | 2.210 | -34.900 | 2.220 | -34.600 | 2.880 | -33.900 | | | 2.970 |
| -29.500 | 4.710 | -29.500 | 4.930 | -29.500 | 4.710 | -28.480 | | | 4.970 |
| -25.610 | 4.970 | -25.090 | 5.020 | -24.900 | 5.400 | -23.620 | | | 5.490 |
| -16.960 | 8.180 | -13.020 | 8.330 | -8.000 | 10.680 | -8.000 | | | 10.840 |
| -8.000 | 10.680 | -7.660 | 10.820 | -7.000 | 10.710 | -4.480 | | | 10.680 |
| -2.430 | 10.630 | -1.510 | 10.620 | -0.260 | 9.890 | 0.000 | | | 9.810 |
| 0.000 | 10.430 | 0.000 | 9.820 | 0.350 | 9.680 | 6.880 | | | 6.720 |
| 9.660 | 6.360 | 13.750 | 5.230 | 13.990 | 4.980 | 17.360 | | | 3.460 |
| 26.100 | 3.340 | 31.620 | 3.150 | 39.350 | 3.240 | 50.000 | | | 3.250 |
| 59.920 | 3.080 | 63.680 | 2.900 | 70.930 | 3.130 | 80.490 | | | 3.130 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 88.740 | 3.200 | 92.610 | 3.180 | 96.960 | 2.760 | 102.980 | 2.960 |
| 105.710 | 2.990 | 108.190 | 3.200 | 111.060 | 3.010 | 118.570 | 2.690 |
| 121.660 | 2.700 | 123.500 | 2.410 | 125.250 | 2.670 | 127.720 | 2.610 |
| 130.590 | 2.960 | 135.020 | 2.430 | 138.980 | 3.030 | 146.300 | 3.270 |
| 147.960 | 2.970 | 147.960 | 3.140 | 147.960 | 2.940 | 150.050 | 2.350 |
| 151.550 | 0.870 | 152.950 | 0.710 | 157.000 | 0.150 | 157.930 | -0.010 |
| 159.130 | -0.230 | 160.430 | -1.150 | 162.920 | -1.330 | 167.910 | -1.350 |
| 172.900 | -1.470 | 177.880 | -1.440 | 182.870 | -1.340 | 187.860 | -1.220 |
| 192.850 | -1.440 | 197.840 | -1.460 | 202.820 | -1.310 | 207.810 | -1.190 |
| 212.800 | -1.170 | 217.790 | -1.210 | 222.770 | -1.160 | 227.760 | -1.150 |
| 232.750 | -1.140 | 237.240 | -0.970 | 237.740 | -0.270 | 242.720 | -0.980 |
| 247.710 | -1.100 | 252.700 | -0.970 | 254.690 | -0.760 | 255.290 | -0.330 |
| 257.680 | -0.360 | 262.670 | -0.580 | 267.660 | -1.170 | 272.650 | -1.350 |
| 277.640 | -1.360 | 282.620 | -1.340 | 287.610 | -1.260 | 292.600 | -1.190 |
| 297.580 | -1.170 | 302.570 | -1.300 | 307.560 | -1.460 | 312.550 | -1.520 |
| 317.530 | -1.600 | 322.520 | -1.690 | 327.510 | -1.860 | 332.500 | -1.440 |
| 334.590 | -0.910 | 334.590 | -0.060 | 335.040 | 0.090 | 337.480 | 0.510 |
| 339.280 | 0.820 | 343.170 | 4.470 | 344.070 | 4.710 | 344.070 | 4.830 |
| 344.070 | 4.710 | 345.630 | 4.750 | 352.290 | 4.390 | 361.990 | 3.990 |
| 365.650 | 6.150 | 368.320 | 6.100 | 372.070 | 4.150 | 374.140 | 2.250 |
| 374.970 | 2.270 | 376.170 | -0.010 | 377.170 | -1.110 | 379.390 | -1.160 |
| 380.970 | -0.190 | 383.610 | -0.190 | 386.610 | -0.190 | 386.610 | -0.010 |
| 386.610 | 0.900 | 386.310 | 0.900 | 386.310 | 1.410 | 386.730 | 1.410 |
| 386.810 | 1.240 | 391.560 | 3.560 | 397.400 | 3.560 | 407.260 | 3.410 |
| 418.370 | 3.560 | 428.070 | 3.550 | 440.370 | 3.620 | 450.630 | 3.780 |
| 462.160 | 4.000 | 472.130 | 4.130 | 481.340 | 3.990 | 486.490 | 6.580 |
| 487.360 | 6.640 | 487.810 | 6.730 | 491.440 | 7.120 | 492.900 | 7.410 |
| 497.210 | 9.500 | 498.070 | 9.940 | 498.070 | 10.190 | 498.070 | 9.940 |
| 499.000 | 10.360 | 500.070 | 10.920 | 500.320 | 11.120 | 500.470 | 11.140 |
| 504.070 | 11.190 | 507.590 | 11.150 | 507.870 | 11.120 | 511.830 | 9.180 |
| 512.820 | 9.080 | 512.950 | 8.660 | 515.540 | 8.620 | 521.160 | 8.550 |
| 523.530 | 8.460 | 523.620 | 8.590 | 523.750 | 8.590 | 523.750 | 8.460 |
| 524.050 | 8.440 | 530.790 | 5.100 | 535.170 | 4.800 | 538.640 | 3.400 |
| 539.940 | 3.280 | 539.940 | 2.690 | 540.870 | 2.690 | 540.870 | 3.280 |
| 541.200 | 3.280 | 541.480 | 3.190 | 541.480 | 3.310 | 541.480 | 3.190 |
| 541.480 | 3.190 | | | | | | |
| 26.8 | 0.000 | | | | 171 | 49 108 | 29 146 |
| -51.250 | 3.800 | -48.000 | 3.760 | -42.000 | 3.780 | -35.080 | 3.940 |
| -34.100 | 3.850 | -33.980 | 3.780 | -33.980 | 3.480 | -33.680 | 3.480 |
| -33.680 | 3.780 | -32.000 | 4.630 | -31.170 | 4.830 | -31.170 | 5.040 |
| -31.170 | 4.830 | -30.180 | 5.100 | -26.190 | 5.260 | -25.550 | 5.310 |
| -25.360 | 5.600 | -24.680 | 5.790 | -19.950 | 8.220 | -14.700 | 8.470 |
| -10.050 | 10.550 | -9.280 | 10.740 | -9.280 | 10.880 | -9.280 | 10.740 |
| -8.550 | 10.860 | -5.740 | 10.860 | -3.740 | 10.720 | -3.100 | 10.620 |
| -2.320 | 10.330 | -2.000 | 10.170 | -2.000 | 10.780 | -2.000 | 10.170 |
| -1.740 | 10.040 | 3.000 | 7.910 | 3.540 | 7.770 | 3.850 | 7.690 |
| 4.010 | 7.270 | 8.210 | 6.990 | 9.550 | 6.610 | 11.380 | 6.420 |
| 14.500 | 5.550 | 15.110 | 5.210 | 16.600 | 4.530 | 25.740 | 4.220 |
| 35.150 | 3.860 | 43.970 | 3.630 | 54.280 | 3.480 | 63.540 | 3.590 |
| 69.310 | 3.480 | 70.710 | 3.160 | 73.100 | 2.220 | 76.490 | 1.550 |
| 79.290 | 1.340 | 84.280 | 1.160 | 89.270 | 0.970 | 94.260 | 0.420 |
| 96.350 | 0.100 | 99.250 | -0.460 | 104.230 | -0.820 | 109.220 | -0.920 |
| 114.210 | -1.050 | 119.200 | -0.960 | 124.190 | -0.820 | 129.180 | -0.710 |
| 134.170 | -0.710 | 139.160 | -0.800 | 144.150 | -0.820 | 149.140 | -0.870 |
| 154.130 | -0.840 | 159.120 | -0.790 | 164.110 | -0.770 | 169.090 | -0.600 |
| 174.080 | -0.630 | 179.070 | -0.590 | 184.060 | -0.570 | 189.050 | -0.550 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 194.040 | -0.530 | 199.030 | -0.520 | 204.020 | -0.480 | 209.010 | -0.500 |
| 214.000 | -0.410 | 218.990 | -0.340 | 223.980 | -0.320 | 228.960 | -0.300 |
| 233.950 | -0.300 | 238.940 | -0.300 | 243.930 | -0.430 | 248.920 | -0.440 |
| 253.910 | -0.480 | 258.900 | -0.510 | 263.890 | -0.570 | 268.880 | -0.930 |
| 273.870 | -0.920 | 278.860 | -0.970 | 283.850 | -0.980 | 288.840 | -1.030 |
| 293.820 | -0.950 | 298.810 | -0.870 | 303.800 | -0.930 | 308.790 | -1.210 |
| 313.780 | -1.250 | 318.770 | -1.030 | 320.470 | -0.930 | 322.710 | 0.070 |
| 324.760 | 0.680 | 324.760 | 1.460 | 328.350 | 4.200 | 329.050 | 4.310 |
| 329.050 | 4.430 | 329.050 | 4.310 | 330.760 | 4.160 | 339.020 | 3.800 |
| 344.480 | 3.120 | 347.550 | 3.170 | 352.600 | 3.850 | 357.310 | 3.950 |
| 366.740 | 3.880 | 371.820 | 3.460 | 377.910 | 3.230 | 387.910 | 3.240 |
| 395.890 | 3.330 | 405.490 | 3.420 | 408.060 | 3.460 | 410.100 | 3.260 |
| 422.070 | 3.200 | 433.410 | 3.200 | 443.080 | 3.220 | 452.990 | 3.150 |
| 453.800 | 3.270 | 457.460 | 3.260 | 458.010 | 3.130 | 466.300 | 3.190 |
| 476.100 | 3.200 | 480.680 | 3.950 | 486.210 | 6.610 | 487.060 | 6.690 |
| 487.540 | 6.770 | 492.530 | 7.360 | 495.610 | 8.790 | 496.990 | 9.540 |
| 497.910 | 9.980 | 497.910 | 10.260 | 497.910 | 9.980 | 498.800 | 10.400 |
| 500.290 | 11.200 | 500.500 | 11.210 | 504.210 | 11.240 | 507.750 | 11.200 |
| 507.970 | 11.180 | 511.800 | 9.280 | 512.870 | 9.170 | 513.030 | 8.730 |
| 516.050 | 8.670 | 521.950 | 8.580 | 523.690 | 8.510 | 523.770 | 8.640 |
| 523.890 | 8.640 | 523.890 | 8.500 | 524.170 | 8.530 | 529.610 | 5.780 |
| 530.850 | 5.670 | 531.040 | 5.270 | 534.840 | 5.210 | 535.270 | 5.210 |
| 536.420 | 4.770 | 536.470 | 4.420 | 536.770 | 4.420 | 536.770 | 4.710 |
| 537.110 | 4.830 | 537.910 | 4.960 | 545.240 | 5.060 | | |
| 27.0 | 0.000 | | | | 176 | 42 100 | 28 159 |
| -35.460 | 4.160 | -34.730 | 4.160 | -34.600 | 3.930 | -34.350 | 3.750 |
| -34.350 | 3.450 | -34.050 | 3.450 | -34.050 | 3.750 | -31.710 | 4.620 |
| -31.710 | 4.740 | -31.710 | 4.620 | -31.000 | 4.760 | -29.800 | 4.860 |
| -26.560 | 5.000 | -26.080 | 5.090 | -25.910 | 5.480 | -24.730 | 5.590 |
| -19.580 | 8.220 | -14.260 | 8.480 | -9.190 | 10.710 | -9.190 | 10.930 |
| -9.190 | 10.710 | -8.530 | 10.870 | -6.200 | 10.890 | -3.610 | 10.720 |
| -3.070 | 10.660 | -2.270 | 10.300 | -2.000 | 10.170 | -2.000 | 10.610 |
| -2.000 | 10.180 | -1.750 | 9.990 | 4.520 | 7.010 | 7.910 | 6.520 |
| 11.340 | 5.560 | 12.050 | 5.200 | 13.360 | 4.540 | 22.240 | 4.490 |
| 30.910 | 4.350 | 39.360 | 4.280 | 47.800 | 4.170 | 58.000 | 4.070 |
| 67.620 | 3.960 | 67.930 | 3.950 | 70.020 | 3.780 | 74.770 | 1.400 |
| 75.220 | 1.400 | 75.220 | 0.910 | 76.410 | 0.850 | 77.610 | 0.680 |
| 79.800 | 0.380 | 82.230 | 0.080 | 82.600 | 0.030 | 87.590 | 0.000 |
| 92.590 | 0.040 | 97.580 | 0.020 | 102.570 | -0.110 | 107.570 | -0.010 |
| 112.560 | -0.030 | 117.550 | -0.060 | 122.550 | -0.090 | 127.540 | -0.140 |
| 132.540 | -0.130 | 137.530 | -0.060 | 142.520 | -0.030 | 147.520 | -0.380 |
| 152.510 | -0.430 | 157.500 | -0.540 | 162.500 | -0.610 | 167.490 | -0.680 |
| 172.480 | -0.750 | 177.480 | -0.630 | 182.470 | -0.650 | 187.460 | -0.690 |
| 192.460 | -0.780 | 197.450 | -0.760 | 202.440 | -0.740 | 207.440 | -0.690 |
| 212.430 | -0.740 | 217.420 | -0.740 | 222.420 | -0.850 | 227.410 | -0.900 |
| 232.400 | -1.080 | 237.400 | -1.080 | 242.390 | -1.150 | 247.390 | -1.190 |
| 252.380 | -1.080 | 257.370 | -0.900 | 262.370 | -0.820 | 267.360 | -0.780 |
| 272.350 | -0.750 | 277.350 | -0.700 | 282.340 | -0.670 | 287.330 | -0.640 |
| 289.650 | 0.100 | 292.330 | 0.950 | 292.830 | 0.950 | 293.430 | 1.910 |
| 294.370 | 3.120 | 295.770 | 3.500 | 296.620 | 4.420 | 297.920 | 4.600 |
| 297.920 | 4.760 | 297.920 | 4.600 | 303.810 | 4.670 | 312.420 | 4.530 |
| 322.320 | 4.520 | 331.200 | 4.460 | 341.010 | 4.380 | 345.020 | 4.150 |
| 352.670 | 4.130 | 362.400 | 3.910 | 372.320 | 3.670 | 379.110 | 3.590 |
| 379.750 | 3.450 | 381.020 | 3.490 | 382.100 | 3.680 | 383.710 | 3.540 |
| 391.940 | 3.490 | 401.770 | 3.480 | 412.310 | 3.350 | 422.320 | 3.320 |
| 432.300 | 3.350 | 442.180 | 3.340 | 451.700 | 3.240 | 461.140 | 3.250 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 465.830 | 3.750 | 472.010 | 6.790 | 472.980 | 6.870 | 473.220 | 6.920 |
| 478.160 | 7.450 | 478.160 | 7.550 | 478.600 | 7.580 | 478.600 | 7.750 |
| 479.030 | 7.770 | 479.030 | 7.940 | 479.430 | 7.980 | 479.430 | 8.140 |
| 479.820 | 8.170 | 479.820 | 8.340 | 480.200 | 8.370 | 480.200 | 8.540 |
| 480.600 | 8.570 | 480.600 | 8.740 | 480.960 | 8.760 | 480.960 | 8.910 |
| 481.300 | 8.940 | 481.300 | 9.080 | 481.660 | 9.120 | 481.660 | 9.250 |
| 482.090 | 9.290 | 482.090 | 9.460 | 482.320 | 9.480 | 482.320 | 9.490 |
| 482.500 | 9.490 | 482.500 | 9.660 | 482.910 | 9.680 | 482.910 | 9.860 |
| 483.320 | 9.880 | 483.320 | 10.050 | 485.350 | 11.040 | 485.760 | 11.250 |
| 485.920 | 11.260 | 489.590 | 11.310 | 493.040 | 11.280 | 493.230 | 11.270 |
| 493.380 | 11.250 | 497.200 | 9.330 | 498.320 | 9.270 | 498.550 | 8.710 |
| 502.820 | 8.530 | 507.930 | 5.910 | 509.140 | 5.800 | 509.320 | 5.390 |
| 513.360 | 5.330 | 517.470 | 4.940 | 520.920 | 4.480 | 528.130 | 4.380 |
| 27.2 | 0.000 | | | | 162 | 53 112 | 39 149 |
| -76.000 | 2.540 | -68.600 | 2.570 | -67.930 | 3.060 | -66.760 | 3.060 |
| -65.860 | 3.050 | -65.600 | 3.970 | -65.100 | 3.970 | -63.650 | 3.830 |
| -54.540 | 4.000 | -54.380 | 4.750 | -53.180 | 4.720 | -35.640 | 4.470 |
| -33.800 | 4.360 | -33.450 | 4.150 | -33.450 | 3.850 | -33.150 | 3.850 |
| -33.150 | 4.150 | -32.210 | 4.190 | -30.480 | 4.860 | -30.480 | 5.020 |
| -30.480 | 4.860 | -30.070 | 4.960 | -26.430 | 5.190 | -26.040 | 5.240 |
| -25.900 | 5.590 | -24.740 | 5.740 | -19.490 | 8.330 | -13.760 | 8.580 |
| -9.150 | 10.720 | -9.150 | 10.910 | -9.150 | 10.720 | -8.640 | 10.900 |
| -7.730 | 10.930 | -5.320 | 10.970 | -2.990 | 10.910 | -2.180 | 10.830 |
| -1.320 | 10.450 | -1.000 | 10.270 | -1.000 | 10.870 | -1.000 | 10.270 |
| -0.630 | 10.060 | 5.560 | 7.110 | 8.730 | 6.600 | 12.730 | 5.430 |
| 13.040 | 5.190 | 13.720 | 4.860 | 22.310 | 4.630 | 29.000 | 4.510 |
| 38.310 | 4.360 | 46.880 | 4.270 | 56.880 | 4.190 | 66.510 | 4.080 |
| 70.140 | 4.120 | 70.140 | 4.380 | 70.140 | 4.120 | 70.450 | 4.030 |
| 70.740 | 4.030 | 70.740 | 3.920 | 72.760 | 3.840 | 77.720 | 1.440 |
| 78.180 | 1.440 | 78.180 | 0.930 | 77.780 | 0.930 | 77.780 | 0.480 |
| 80.120 | 0.230 | 82.520 | -0.100 | 85.120 | 0.110 | 86.420 | -0.500 |
| 90.110 | -0.810 | 95.100 | -0.630 | 100.090 | -0.500 | 105.090 | -0.760 |
| 110.080 | -0.760 | 115.070 | -0.610 | 120.060 | -0.680 | 125.060 | -0.660 |
| 130.050 | -0.660 | 135.040 | -0.600 | 140.030 | -0.620 | 145.030 | -0.610 |
| 150.020 | -0.580 | 155.010 | -0.590 | 160.000 | -0.570 | 165.000 | -0.570 |
| 169.990 | -0.560 | 174.980 | -0.650 | 179.970 | -0.540 | 184.960 | -0.540 |
| 189.960 | -0.500 | 194.950 | -0.440 | 199.940 | -0.360 | 204.930 | -0.420 |
| 209.930 | -0.500 | 214.920 | -0.440 | 219.910 | -0.470 | 224.900 | -0.420 |
| 229.900 | -0.420 | 234.890 | -0.480 | 239.880 | -0.480 | 244.870 | -0.570 |
| 249.870 | -0.610 | 254.860 | -0.270 | 259.850 | 0.050 | 264.840 | 0.150 |
| 266.840 | 0.250 | 269.840 | 0.420 | 270.830 | 0.550 | 271.830 | 1.160 |
| 273.730 | 1.550 | 276.920 | 4.210 | 279.220 | 5.000 | 280.320 | 5.080 |
| 282.150 | 5.030 | 289.110 | 4.790 | 293.150 | 4.650 | 298.760 | 4.640 |
| 308.410 | 4.680 | 319.990 | 4.690 | 329.570 | 4.560 | 340.270 | 4.410 |
| 349.060 | 4.310 | 358.410 | 4.150 | 359.490 | 4.260 | 360.030 | 4.070 |
| 361.410 | 4.080 | 361.910 | 4.280 | 366.560 | 4.020 | 376.580 | 3.720 |
| 387.260 | 3.520 | 397.900 | 3.160 | 408.410 | 3.040 | 418.360 | 2.800 |
| 427.750 | 2.680 | 435.860 | 2.500 | 445.660 | 2.950 | 450.180 | 3.450 |
| 456.810 | 6.700 | 457.630 | 6.750 | 458.040 | 7.130 | 461.050 | 7.100 |
| 462.780 | 7.410 | 465.910 | 8.970 | 467.510 | 9.770 | 468.410 | 10.160 |
| 468.410 | 10.420 | 468.410 | 10.160 | 469.330 | 10.590 | 470.810 | 11.340 |
| 471.010 | 11.340 | 474.630 | 11.360 | 478.100 | 11.340 | 478.280 | 11.340 |
| 478.440 | 11.330 | 482.180 | 9.460 | 483.420 | 9.370 | 483.630 | 8.810 |
| 487.810 | 8.600 | 494.450 | 5.320 | 498.810 | 5.140 | 499.820 | 4.780 |
| 506.310 | 4.430 | 517.260 | 3.900 | | | | |
| 27.4 | 0.000 | | | | 179 | 49 121 | 38 156 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| -76.240 | 3.710 | -74.040 | 4.250 | -70.710 | 4.070 | -68.310 | 4.180 |
| -67.660 | 4.100 | -63.500 | 4.350 | -62.430 | 4.380 | -56.600 | 4.440 |
| -52.350 | 4.560 | -37.540 | 4.620 | -34.340 | 4.660 | -34.000 | 4.280 |
| -33.780 | 3.990 | -33.780 | 3.690 | -33.480 | 3.690 | -33.480 | 3.990 |
| -32.920 | 5.030 | -30.260 | 5.090 | -30.260 | 5.250 | -30.260 | 5.090 |
| -29.810 | 5.180 | -28.000 | 5.410 | -26.280 | 5.450 | -25.840 | 5.540 |
| -25.700 | 5.730 | -24.400 | 6.080 | -20.060 | 8.260 | -13.810 | 8.750 |
| -8.570 | 11.050 | -8.570 | 11.300 | -8.570 | 11.050 | -7.870 | 11.110 |
| -5.640 | 11.150 | -2.960 | 11.030 | -2.310 | 10.980 | -1.360 | 10.490 |
| -1.000 | 10.300 | -1.000 | 10.870 | -1.000 | 10.300 | -0.800 | 10.180 |
| 6.040 | 6.890 | 9.180 | 6.640 | 18.300 | 3.940 | 20.010 | 3.950 |
| 29.380 | 3.860 | 37.980 | 4.000 | 46.690 | 4.110 | 56.800 | 4.030 |
| 58.520 | 3.980 | 58.520 | 4.130 | 58.520 | 3.970 | 59.120 | 3.760 |
| 61.210 | 3.630 | 67.370 | 0.700 | 67.830 | 0.690 | 68.500 | 0.660 |
| 71.420 | 0.640 | 72.120 | 0.340 | 73.490 | -0.440 | 74.490 | -0.710 |
| 77.180 | -1.040 | 78.480 | -1.460 | 83.470 | -1.480 | 88.460 | -1.260 |
| 93.450 | -1.240 | 98.440 | -0.890 | 103.430 | -0.580 | 108.420 | -0.500 |
| 113.410 | -0.500 | 118.400 | -1.170 | 123.390 | -1.270 | 128.380 | -1.430 |
| 133.370 | -1.250 | 138.360 | -1.230 | 143.350 | -1.140 | 148.340 | -1.130 |
| 153.330 | -1.140 | 158.320 | -1.130 | 163.310 | -0.990 | 168.300 | -0.710 |
| 173.290 | -0.260 | 178.280 | -0.260 | 183.270 | -0.060 | 188.260 | 0.040 |
| 193.250 | 0.100 | 198.240 | 0.330 | 198.510 | 0.360 | 200.530 | 0.490 |
| 202.620 | 0.380 | 203.230 | 0.360 | 208.220 | -0.030 | 213.210 | 0.160 |
| 218.200 | 0.150 | 223.190 | 0.220 | 225.480 | 0.360 | 228.180 | 0.520 |
| 233.170 | 0.510 | 238.160 | 0.520 | 243.150 | 0.380 | 248.140 | 0.240 |
| 253.120 | 0.140 | 258.110 | -0.010 | 263.100 | 0.030 | 268.090 | -0.050 |
| 273.080 | -0.030 | 278.070 | 0.240 | 282.270 | 0.380 | 283.060 | 0.470 |
| 285.560 | 0.890 | 286.360 | 0.420 | 286.730 | 0.360 | 288.050 | 0.090 |
| 289.300 | -0.030 | 289.750 | -0.060 | 291.530 | 0.360 | 294.040 | 1.130 |
| 295.640 | 1.360 | 295.640 | 1.470 | 295.640 | 1.350 | 296.280 | 1.450 |
| 298.140 | 2.120 | 308.150 | 1.900 | 314.130 | 2.360 | 317.860 | 2.620 |
| 328.580 | 2.990 | 335.770 | 3.470 | 338.270 | 4.350 | 340.140 | 4.230 |
| 343.220 | 4.220 | 347.720 | 3.980 | 356.720 | 3.850 | 366.520 | 3.650 |
| 376.490 | 3.620 | 387.390 | 3.400 | 388.080 | 3.060 | 388.500 | 3.080 |
| 389.440 | 3.360 | 392.890 | 3.600 | 393.920 | 3.830 | 397.970 | 3.940 |
| 402.520 | 3.940 | 409.380 | 3.970 | 419.470 | 4.040 | 429.910 | 4.110 |
| 431.470 | 4.170 | 433.240 | 4.050 | 444.980 | 4.140 | 450.240 | 6.770 |
| 451.110 | 6.820 | 451.420 | 6.910 | 454.640 | 7.350 | 456.470 | 7.590 |
| 459.120 | 8.910 | 461.820 | 10.380 | 462.520 | 10.450 | 462.520 | 10.660 |
| 462.520 | 10.460 | 462.690 | 10.450 | 462.910 | 10.620 | 463.020 | 10.690 |
| 463.190 | 10.670 | 466.120 | 10.770 | 470.420 | 10.670 | 470.720 | 10.620 |
| 470.720 | 10.750 | 470.720 | 10.620 | 473.960 | 9.030 | 477.120 | 7.320 |
| 479.790 | 6.760 | 483.390 | 5.390 | 485.820 | 4.190 | 486.090 | 4.120 |
| 486.090 | 4.270 | 486.090 | 4.120 | 486.090 | 4.120 | 486.820 | 4.090 |
| 497.600 | 4.250 | 502.580 | 4.300 | 506.620 | 4.250 | | |
| 27.6 | 0.000 | | | 172 | 46.118 | 34.147 | |
| -76.000 | 2.720 | -71.920 | 2.710 | -71.680 | 3.800 | -67.640 | 3.940 |
| -61.850 | 4.020 | -58.080 | 4.060 | -55.610 | 4.420 | -55.470 | 4.880 |
| -54.520 | 4.840 | -46.350 | 5.030 | -42.090 | 5.110 | -32.240 | 5.740 |
| -32.100 | 5.740 | -28.140 | 5.820 | -27.030 | 5.760 | -27.030 | 6.090 |
| -27.030 | 5.760 | -26.660 | 5.740 | -24.210 | 5.790 | -23.900 | 5.860 |
| -23.720 | 6.160 | -22.890 | 6.310 | -18.210 | 8.460 | -13.770 | 8.840 |
| -8.710 | 11.060 | -8.710 | 11.230 | -8.710 | 11.060 | -7.840 | 11.110 |
| -5.370 | 11.120 | -2.980 | 11.050 | -2.220 | 10.980 | -1.280 | 10.680 |
| -1.000 | 10.530 | -1.000 | 11.110 | -1.000 | 10.530 | -0.690 | 10.380 |
| 5.450 | 7.340 | 8.950 | 6.880 | 17.750 | 4.290 | 25.800 | 4.130 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 36.220 | 4.070 | 41.200 | 4.000 | 42.730 | 4.020 | 42.730 | 4.200 |
| 42.730 | 4.030 | 44.730 | 3.910 | 45.260 | 3.650 | 45.530 | 3.610 |
| 48.830 | 2.040 | 50.930 | 1.340 | 52.730 | 1.090 | 53.160 | 1.040 |
| 54.730 | 0.740 | 57.730 | 0.140 | 60.630 | -0.160 | 62.730 | -0.400 |
| 67.740 | -0.380 | 72.740 | -0.340 | 77.740 | -0.460 | 82.740 | -0.710 |
| 87.740 | -1.010 | 92.740 | -1.010 | 97.740 | -1.010 | 102.740 | -0.970 |
| 107.740 | -0.870 | 112.740 | -0.870 | 117.750 | -0.930 | 122.750 | -0.820 |
| 127.750 | -0.800 | 132.750 | -0.770 | 137.750 | -0.770 | 142.750 | -0.710 |
| 147.750 | -0.650 | 152.750 | -0.570 | 157.750 | -0.480 | 162.750 | -0.340 |
| 167.760 | -0.200 | 172.760 | -0.070 | 177.760 | -0.020 | 182.760 | 0.060 |
| 187.760 | -0.160 | 192.760 | -0.250 | 197.760 | -0.170 | 202.760 | -0.270 |
| 207.760 | -0.220 | 212.770 | 0.080 | 217.770 | 0.090 | 222.770 | 0.080 |
| 227.770 | -0.360 | 232.770 | -0.500 | 237.770 | -0.420 | 242.770 | -0.290 |
| 247.770 | -0.030 | 252.770 | 0.000 | 257.770 | 0.160 | 262.780 | 0.300 |
| 267.780 | 0.420 | 272.780 | 0.520 | 277.780 | 0.600 | 282.780 | 0.670 |
| 287.780 | 0.720 | 292.780 | 0.820 | 297.780 | 0.820 | 302.780 | 0.770 |
| 307.780 | 0.770 | 312.790 | 0.770 | 317.790 | 0.780 | 322.790 | 0.640 |
| 327.490 | 0.650 | 327.790 | 0.870 | 328.640 | 1.020 | 329.290 | 1.340 |
| 330.390 | 1.340 | 330.390 | 1.460 | 330.390 | 1.340 | 336.180 | 1.360 |
| 340.090 | 1.760 | 346.570 | 2.790 | 358.130 | 3.030 | 364.840 | 2.710 |
| 368.870 | 4.090 | 371.060 | 4.060 | 373.690 | 4.030 | 374.690 | 4.040 |
| 384.750 | 3.590 | 393.010 | 3.540 | 401.600 | 3.430 | 402.520 | 3.010 |
| 402.930 | 2.990 | 403.770 | 3.440 | 405.810 | 3.550 | 406.860 | 3.950 |
| 411.690 | 4.040 | 421.690 | 4.130 | 433.650 | 4.160 | 443.480 | 4.180 |
| 453.790 | 4.220 | 464.180 | 4.270 | 469.330 | 6.860 | 470.220 | 6.900 |
| 470.550 | 6.990 | 475.310 | 7.490 | 478.520 | 9.040 | 481.000 | 10.350 |
| 481.190 | 10.400 | 481.690 | 10.430 | 481.690 | 10.770 | 481.690 | 10.430 |
| 482.060 | 10.610 | 482.220 | 10.700 | 485.170 | 10.760 | 488.030 | 10.680 |
| 488.290 | 10.550 | 488.290 | 10.650 | 488.290 | 10.550 | 489.720 | 9.470 |
| 493.250 | 7.680 | 494.850 | 7.350 | 497.890 | 7.130 | 505.560 | 4.610 |
| 506.990 | 3.940 | 507.250 | 3.920 | 507.250 | 4.100 | 507.250 | 3.920 |
| 507.250 | 3.920 | 507.590 | 3.950 | 507.590 | 3.650 | 507.890 | 3.650 |
| 507.890 | 3.950 | 508.450 | 3.970 | 516.690 | 3.940 | 526.690 | 3.910 |
| 27.8 | 0.000 | | | | 173 | 39 104 | 33 151 |
| -49.120 | 4.570 | -47.750 | 4.610 | -37.910 | 4.630 | -33.850 | 4.580 |
| -33.720 | 4.560 | -33.340 | 4.530 | -33.340 | 4.230 | -33.040 | 4.230 |
| -33.040 | 4.530 | -32.840 | 4.530 | -32.840 | 4.640 | -32.840 | 4.530 |
| -32.540 | 4.590 | -29.950 | 5.570 | -29.300 | 5.630 | -25.400 | 5.830 |
| -25.050 | 5.880 | -24.810 | 6.250 | -23.800 | 6.320 | -19.100 | 8.560 |
| -14.020 | 8.750 | -8.640 | 11.150 | -8.640 | 11.290 | -8.640 | 11.150 |
| -7.910 | 11.190 | -5.820 | 11.210 | -3.180 | 11.140 | -2.340 | 11.060 |
| -1.420 | 10.720 | -1.000 | 10.540 | -1.000 | 11.090 | -1.000 | 10.540 |
| -0.670 | 10.350 | 5.720 | 7.260 | 8.940 | 6.930 | 17.120 | 4.460 |
| 26.570 | 4.150 | 38.900 | 4.030 | 42.960 | 3.960 | 42.960 | 4.150 |
| 42.960 | 3.970 | 45.300 | 3.790 | 45.680 | 3.620 | 49.500 | 2.060 |
| 51.080 | 1.680 | 52.750 | 1.210 | 52.950 | 1.060 | 53.210 | 1.000 |
| 53.740 | 0.840 | 54.940 | 0.760 | 55.540 | 0.240 | 57.940 | 0.100 |
| 62.930 | -0.050 | 67.920 | -0.310 | 72.920 | -0.630 | 77.910 | -0.800 |
| 82.900 | -0.700 | 87.890 | -0.660 | 92.890 | -0.580 | 97.880 | -0.420 |
| 102.870 | -0.460 | 107.860 | -0.400 | 112.860 | -0.360 | 117.850 | -0.500 |
| 122.840 | -0.620 | 127.830 | -0.660 | 132.830 | -0.490 | 137.820 | -0.340 |
| 142.810 | -0.300 | 147.800 | -0.470 | 152.800 | -0.630 | 157.790 | -0.630 |
| 162.780 | -0.570 | 167.780 | -0.470 | 172.770 | -0.300 | 177.760 | -0.300 |
| 182.750 | -0.290 | 187.750 | -0.310 | 192.740 | -0.370 | 197.730 | -0.370 |
| 202.720 | -0.500 | 207.720 | -0.530 | 212.710 | -0.530 | 217.700 | -0.500 |
| 222.690 | -0.510 | 227.690 | -0.440 | 232.680 | -0.420 | 237.670 | -0.310 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 242.660 | -0.260 | 247.660 | -0.160 | 252.650 | -0.010 | 257.640 | 0.000 |
| 262.630 | 0.080 | 267.630 | 0.160 | 272.620 | 0.240 | 277.610 | 0.230 |
| 282.600 | 0.300 | 287.600 | 0.260 | 292.590 | 0.220 | 296.880 | 0.410 |
| 297.380 | 0.980 | 297.580 | 1.160 | 298.880 | 2.710 | 299.980 | 2.720 |
| 299.980 | 2.850 | 299.980 | 2.720 | 302.660 | 2.770 | 306.930 | 3.420 |
| 311.010 | 3.560 | 314.330 | 4.610 | 315.170 | 4.470 | 317.170 | 4.530 |
| 320.310 | 4.540 | 324.320 | 4.450 | 330.930 | 4.540 | 340.990 | 4.380 |
| 348.060 | 4.370 | 358.250 | 4.390 | 365.470 | 4.280 | 368.040 | 4.080 |
| 371.480 | 4.090 | 375.650 | 3.540 | 380.990 | 3.460 | 382.490 | 3.600 |
| 387.370 | 3.490 | 388.530 | 3.340 | 389.290 | 2.480 | 390.480 | 2.530 |
| 390.920 | 3.110 | 400.080 | 3.440 | 401.470 | 3.970 | 409.710 | 4.060 |
| 420.910 | 4.130 | 430.990 | 4.160 | 436.650 | 4.130 | 447.340 | 4.150 |
| 457.080 | 4.160 | 460.690 | 4.250 | 473.650 | 4.350 | 478.530 | 6.780 |
| 479.460 | 6.840 | 479.770 | 6.910 | 484.350 | 7.420 | 487.750 | 9.040 |
| 490.570 | 10.440 | 490.990 | 10.460 | 490.990 | 10.760 | 490.990 | 10.460 |
| 491.420 | 10.720 | 491.640 | 10.790 | 491.930 | 10.820 | 494.460 | 10.850 |
| 497.990 | 10.820 | 498.610 | 10.750 | 498.610 | 10.880 | 498.610 | 10.750 |
| 503.760 | 8.460 | 507.990 | 8.360 | 509.700 | 7.610 | 510.540 | 7.540 |
| 510.820 | 6.990 | 510.920 | 7.000 | 511.420 | 6.930 | 515.240 | 6.950 |
| 520.790 | 6.860 | 524.460 | 6.800 | 528.360 | 6.670 | 528.640 | 6.660 |
| 529.630 | 6.570 | 533.050 | 5.270 | 535.800 | 4.090 | 539.030 | 3.960 |
| 540.700 | 4.420 | | | | | | |
| 28.0 | 0.000 | | | | 157 | 45 98 | 30 135 |
| -46.380 | 4.400 | -46.200 | 4.400 | -46.200 | 3.930 | -45.740 | 3.930 |
| -45.740 | 4.400 | -45.580 | 4.460 | -43.350 | 4.550 | -32.500 | 4.610 |
| -30.700 | 4.670 | -30.640 | 4.570 | -30.640 | 4.150 | -30.320 | 4.150 |
| -30.260 | 4.570 | -30.260 | 4.670 | -30.110 | 4.670 | -29.100 | 6.700 |
| -28.730 | 6.700 | -28.080 | 6.910 | -27.800 | 6.940 | -27.680 | 6.820 |
| -22.490 | 7.060 | -22.200 | 7.570 | -20.640 | 7.700 | -17.280 | 8.800 |
| -13.320 | 9.010 | -8.620 | 11.340 | -8.620 | 11.480 | -8.620 | 11.340 |
| -4.900 | 11.350 | -1.450 | 11.300 | -0.820 | 10.950 | -0.470 | 10.670 |
| 0.000 | 10.470 | 0.000 | 10.920 | 0.000 | 10.470 | 0.520 | 10.260 |
| 2.660 | 8.970 | 3.600 | 8.980 | 7.100 | 7.250 | 7.500 | 7.250 |
| 7.500 | 7.140 | 10.480 | 6.990 | 15.600 | 4.560 | 22.800 | 4.590 |
| 29.300 | 4.520 | 29.300 | 4.650 | 29.300 | 4.550 | 32.450 | 2.630 |
| 34.150 | 1.780 | 34.150 | 0.960 | 34.150 | 0.800 | 36.000 | 0.260 |
| 39.300 | -0.290 | 44.290 | -0.890 | 49.290 | -0.990 | 54.290 | -0.920 |
| 59.290 | -0.870 | 64.290 | -0.790 | 69.290 | -0.550 | 74.280 | -0.760 |
| 79.280 | -0.700 | 84.280 | -0.830 | 89.280 | -0.680 | 94.280 | -0.830 |
| 99.270 | -0.850 | 104.270 | -0.850 | 109.270 | -0.850 | 114.270 | -0.860 |
| 119.270 | -0.830 | 124.260 | -0.750 | 129.260 | -0.830 | 134.260 | -0.970 |
| 139.260 | -1.120 | 144.260 | -1.240 | 149.260 | -1.230 | 154.250 | -1.170 |
| 159.250 | -1.150 | 164.250 | -0.980 | 169.250 | -1.020 | 174.250 | -1.070 |
| 179.240 | -1.080 | 184.240 | -1.120 | 189.240 | -1.090 | 194.240 | -1.150 |
| 199.240 | -1.350 | 204.230 | -1.550 | 209.230 | -1.810 | 214.230 | -1.870 |
| 219.230 | -1.840 | 224.230 | -1.720 | 229.230 | -1.610 | 234.220 | -1.040 |
| 239.220 | -0.220 | 241.520 | 0.680 | 242.190 | 0.930 | 242.570 | 1.030 |
| 243.220 | 1.950 | 243.920 | 2.110 | 249.140 | 2.330 | 258.500 | 2.940 |
| 265.580 | 4.390 | 277.410 | 4.180 | 287.480 | 4.130 | 291.560 | 4.050 |
| 294.320 | 3.970 | 303.760 | 3.980 | 314.080 | 3.890 | 324.420 | 3.830 |
| 334.740 | 3.780 | 344.320 | 3.860 | 355.360 | 3.780 | 364.620 | 3.690 |
| 374.410 | 3.760 | 384.800 | 3.730 | 394.320 | 3.670 | 403.870 | 3.670 |
| 413.740 | 3.570 | 423.290 | 3.660 | 434.020 | 3.710 | 444.320 | 3.700 |
| 453.750 | 3.790 | 464.660 | 3.840 | 474.170 | 3.810 | 477.610 | 4.000 |
| 483.580 | 6.820 | 489.150 | 7.660 | 489.450 | 7.660 | 492.070 | 8.890 |
| 493.790 | 9.790 | 494.320 | 9.980 | 494.320 | 10.450 | 494.320 | 9.980 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 494.770 | 10.150 | 496.280 | 10.720 | 502.560 | 13.640 | 502.560 | 13.770 |
| 502.560 | 13.640 | 502.910 | 13.740 | 503.400 | 13.720 | 505.880 | 13.740 |
| 508.910 | 13.730 | 509.180 | 13.720 | 509.510 | 13.770 | 509.770 | 13.760 |
| 520.450 | 8.060 | 524.470 | 7.900 | 529.220 | 5.820 | 529.930 | 5.730 |
| 530.160 | 5.280 | 530.300 | 5.270 | 530.400 | 5.270 | 530.400 | 5.170 |
| 530.800 | 5.210 | 533.890 | 5.260 | 537.170 | 5.270 | 537.720 | 5.280 |
| 538.020 | 5.250 | | | | | | |
| 28.2 | 0.000 | | | | 155 | 36 96 | 26 135 |
| -75.000 | 5.570 | -71.130 | 5.320 | -63.740 | 5.480 | -55.000 | 5.610 |
| -46.200 | 6.070 | -45.040 | 6.880 | -40.940 | 7.320 | -31.850 | 7.520 |
| -30.640 | 7.460 | -30.640 | 7.630 | -30.640 | 7.460 | -25.990 | 7.260 |
| -22.170 | 8.560 | -19.320 | 8.810 | -12.530 | 11.650 | -12.440 | 11.650 |
| -12.440 | 11.820 | -12.440 | 11.650 | -12.200 | 11.650 | -12.050 | 11.540 |
| -7.700 | 11.560 | -2.900 | 11.480 | -1.620 | 11.430 | -0.460 | 10.750 |
| 0.000 | 10.540 | 0.000 | 11.160 | 0.000 | 10.550 | 0.400 | 10.300 |
| 2.450 | 9.100 | 3.450 | 9.090 | 7.100 | 7.260 | 10.510 | 7.170 |
| 19.600 | 2.720 | 23.700 | 2.560 | 24.640 | 2.390 | 27.260 | 2.370 |
| 27.260 | 2.530 | 27.260 | 2.360 | 28.760 | 2.000 | 30.060 | 1.190 |
| 31.020 | 0.820 | 32.250 | 0.360 | 37.250 | -0.200 | 42.240 | -0.340 |
| 47.230 | -0.090 | 52.230 | 0.210 | 57.220 | 0.310 | 62.220 | 0.430 |
| 67.210 | 0.360 | 72.200 | -0.380 | 77.200 | -0.690 | 82.190 | -0.510 |
| 87.180 | -0.550 | 92.180 | -0.730 | 97.170 | -0.810 | 102.170 | -0.810 |
| 107.160 | -0.830 | 112.150 | -0.680 | 117.150 | -0.590 | 122.140 | -0.570 |
| 127.130 | -0.510 | 132.130 | -0.560 | 137.120 | -0.590 | 142.110 | -0.590 |
| 147.110 | -0.650 | 152.100 | -0.600 | 157.100 | -0.690 | 162.090 | -0.750 |
| 167.080 | -0.720 | 172.080 | -0.750 | 177.070 | -0.740 | 182.060 | -0.690 |
| 187.060 | -0.650 | 192.050 | -1.280 | 197.040 | -1.030 | 202.040 | -1.090 |
| 207.030 | -0.930 | 212.030 | -0.970 | 217.020 | -0.850 | 222.010 | -0.770 |
| 227.010 | -0.880 | 232.000 | -0.910 | 236.990 | -0.950 | 241.990 | -1.150 |
| 246.980 | -1.360 | 251.980 | -1.290 | 256.970 | -1.310 | 261.960 | -1.260 |
| 266.960 | -0.760 | 271.250 | 0.610 | 271.950 | 0.720 | 272.300 | 0.790 |
| 273.050 | 0.990 | 275.400 | 2.620 | 279.840 | 4.220 | 280.140 | 4.260 |
| 280.140 | 4.390 | 280.140 | 4.280 | 285.510 | 4.270 | 295.850 | 4.070 |
| 298.800 | 4.040 | 300.790 | 4.130 | 310.160 | 4.030 | 320.880 | 3.890 |
| 329.130 | 3.900 | 339.110 | 3.920 | 350.180 | 3.850 | 361.050 | 3.790 |
| 370.880 | 3.810 | 374.770 | 4.280 | 382.480 | 4.290 | 392.090 | 4.270 |
| 401.870 | 4.250 | 411.440 | 4.280 | 413.620 | 3.860 | 423.210 | 3.690 |
| 425.180 | 3.990 | 431.500 | 4.100 | 439.590 | 4.010 | 450.220 | 4.000 |
| 460.810 | 3.950 | 470.880 | 3.940 | 481.030 | 4.060 | 491.000 | 4.110 |
| 502.530 | 4.080 | 508.810 | 7.110 | 509.810 | 7.210 | 515.210 | 7.720 |
| 517.890 | 8.980 | 519.970 | 10.070 | 520.880 | 10.540 | 520.880 | 10.800 |
| 520.880 | 10.530 | 521.740 | 10.960 | 522.460 | 11.430 | 523.050 | 11.400 |
| 526.980 | 11.460 | 532.490 | 11.400 | 539.010 | 11.300 | 539.280 | 11.300 |
| 541.530 | 11.190 | 542.500 | 11.180 | 542.610 | 11.180 | 542.890 | 11.180 |
| 548.310 | 8.520 | 553.040 | 8.370 | 558.730 | 5.150 | 562.560 | 4.950 |
| 566.650 | 3.440 | 567.280 | 2.130 | 568.020 | 2.070 | 568.020 | 0.950 |
| 569.560 | 0.950 | 569.560 | 2.070 | 570.680 | 2.190 | | |
| 28.4 | 0.000 | | | | 173 | 49 105 | 35 154 |
| -100.000 | 2.920 | -90.000 | 2.920 | -80.000 | 2.940 | -73.160 | 2.960 |
| -73.000 | 3.120 | -72.590 | 3.060 | -72.300 | 2.880 | -72.300 | 2.390 |
| -71.100 | 2.400 | -71.100 | 2.880 | -70.600 | 3.230 | -69.330 | 3.380 |
| -68.170 | 3.260 | -67.950 | 2.930 | -60.000 | 2.910 | -50.000 | 2.930 |
| -38.950 | 2.940 | -38.900 | 2.980 | -38.300 | 2.950 | -37.750 | 2.670 |
| -36.950 | 2.560 | -36.670 | 3.050 | -35.280 | 3.180 | -31.240 | 4.810 |
| -30.900 | 4.940 | -26.900 | 5.040 | -26.670 | 5.480 | -25.600 | 5.520 |
| -17.800 | 8.640 | -16.900 | 8.820 | -13.250 | 9.040 | -8.420 | 11.510 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| -8.000 | 11.650 | -5.100 | 11.740 | -2.350 | 11.710 | 0.000 | 10.630 |
| 0.000 | 11.090 | 0.000 | 10.630 | 10.300 | 5.680 | 13.360 | 5.390 |
| 13.800 | 5.250 | 14.700 | 4.830 | 20.000 | 4.880 | 30.000 | 4.740 |
| 40.000 | 4.630 | 50.000 | 4.500 | 60.000 | 4.360 | 71.410 | 4.290 |
| 71.740 | 4.290 | 71.740 | 4.180 | 73.760 | 4.030 | 79.010 | 1.470 |
| 79.460 | 1.470 | 79.460 | 0.380 | 79.460 | -0.440 | 83.880 | -0.320 |
| 87.880 | -0.880 | 91.410 | -0.880 | 96.410 | -0.920 | 101.410 | -0.990 |
| 106.410 | -3.430 | 111.410 | -3.980 | 116.410 | -3.730 | 121.410 | -3.630 |
| 126.410 | -3.410 | 131.410 | -2.030 | 136.410 | -2.230 | 141.410 | -2.180 |
| 146.410 | -2.010 | 151.410 | -1.630 | 156.410 | -2.210 | 161.410 | -2.320 |
| 166.410 | -2.320 | 171.410 | -2.190 | 176.410 | -2.220 | 181.410 | -2.320 |
| 186.410 | -2.240 | 191.410 | -1.940 | 196.410 | -1.860 | 201.410 | -2.060 |
| 206.410 | -1.790 | 211.410 | -1.990 | 216.410 | -1.890 | 221.410 | -2.040 |
| 226.410 | -2.130 | 231.410 | -1.930 | 236.410 | -1.900 | 241.410 | -1.550 |
| 246.410 | -1.900 | 251.410 | -1.650 | 256.410 | -1.650 | 261.410 | -1.900 |
| 266.410 | -2.050 | 271.410 | -1.750 | 276.410 | -1.930 | 279.410 | -1.630 |
| 281.410 | -0.030 | 282.520 | 0.340 | 284.010 | 0.850 | 284.310 | 1.460 |
| 285.160 | 1.450 | 285.160 | 1.570 | 285.160 | 1.450 | 287.000 | 1.520 |
| 293.750 | 4.020 | 299.600 | 4.180 | 300.100 | 3.860 | 300.500 | 3.810 |
| 307.700 | 3.790 | 317.700 | 3.780 | 327.700 | 3.800 | 337.700 | 3.590 |
| 347.700 | 3.500 | 357.700 | 3.400 | 367.700 | 3.340 | 377.700 | 3.210 |
| 387.700 | 3.150 | 397.700 | 3.070 | 407.700 | 2.960 | 417.700 | 3.020 |
| 424.400 | 3.130 | 426.270 | 3.220 | 426.650 | 2.460 | 427.600 | 2.480 |
| 428.150 | 3.300 | 429.200 | 3.620 | 432.400 | 3.930 | 434.500 | 3.850 |
| 435.600 | 4.130 | 437.700 | 4.260 | 447.700 | 4.200 | 452.000 | 4.460 |
| 457.700 | 4.440 | 467.700 | 4.420 | 477.700 | 4.270 | 487.700 | 4.200 |
| 497.700 | 4.060 | 508.400 | 4.030 | 509.100 | 4.080 | 515.360 | 4.100 |
| 521.430 | 6.960 | 522.360 | 7.070 | 522.540 | 7.060 | 527.700 | 7.640 |
| 530.390 | 8.970 | 532.470 | 10.190 | 536.660 | 10.230 | 536.720 | 10.350 |
| 537.010 | 10.360 | 537.700 | 10.770 | 537.700 | 11.080 | 537.700 | 10.770 |
| 538.700 | 11.460 | 539.010 | 11.540 | 542.700 | 11.590 | 546.230 | 11.560 |
| 547.900 | 10.870 | 555.700 | 10.820 | 562.810 | 10.610 | 567.720 | 8.130 |
| 568.400 | 8.060 | 568.660 | 7.540 | 572.200 | 7.470 | 576.010 | 7.410 |
| 576.360 | 6.920 | 576.800 | 6.940 | 582.250 | 6.940 | 582.250 | 6.830 |
| 582.670 | 6.760 | 582.670 | 6.580 | 582.850 | 6.580 | 582.850 | 6.760 |
| 584.200 | 6.580 | | | | | | |
| 28.6 | 0.000 | | | | 170 | 54 105 | 35 148 |
| -101.000 | 2.860 | -91.000 | 2.860 | -81.000 | 2.850 | -71.000 | 2.930 |
| -61.000 | 2.880 | -57.420 | 2.950 | -57.200 | 3.100 | -56.920 | 3.050 |
| -56.670 | 2.870 | -56.670 | 2.390 | -55.530 | 2.320 | -55.530 | 2.880 |
| -55.420 | 2.920 | -53.750 | 3.090 | -52.460 | 3.000 | -52.170 | 2.850 |
| -40.700 | 2.870 | -40.110 | 2.870 | -39.320 | 2.860 | -38.900 | 2.500 |
| -38.100 | 2.460 | -37.800 | 2.960 | -36.450 | 3.110 | -32.450 | 4.710 |
| -32.250 | 4.770 | -28.040 | 4.870 | -27.780 | 5.310 | -26.600 | 5.420 |
| -18.570 | 8.460 | -17.820 | 8.550 | -14.650 | 8.650 | -9.420 | 11.280 |
| -9.270 | 11.410 | -6.200 | 11.490 | -3.300 | 11.470 | -1.000 | 10.420 |
| -1.000 | 10.850 | -1.000 | 10.420 | 6.500 | 10.320 | 8.060 | 10.110 |
| 11.700 | 8.790 | 18.720 | 5.700 | 19.200 | 5.480 | 25.500 | 5.550 |
| 26.800 | 5.150 | 39.000 | 4.970 | 49.000 | 4.980 | 59.000 | 4.930 |
| 69.000 | 4.930 | 72.500 | 4.450 | 80.860 | 4.330 | 81.190 | 4.330 |
| 81.190 | 4.220 | 83.210 | 4.130 | 88.520 | 1.460 | 88.990 | 1.460 |
| 88.990 | 0.410 | 88.990 | 0.210 | 93.480 | -0.190 | 95.480 | -0.210 |
| 97.970 | -1.590 | 100.820 | -2.090 | 105.810 | -1.810 | 110.800 | -1.690 |
| 115.790 | -1.570 | 120.780 | -1.510 | 125.760 | -1.470 | 130.750 | -1.440 |
| 135.740 | -1.390 | 140.730 | -1.390 | 145.720 | -1.570 | 150.710 | -1.790 |
| 155.700 | -1.870 | 160.690 | -1.940 | 165.680 | -1.670 | 170.670 | -1.390 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 175.660 | -1.340 | 180.650 | -1.290 | 185.640 | -1.210 | 190.630 | -1.210 |
| 191.230 | -1.090 | 193.620 | -0.090 | 194.620 | 0.010 | 195.620 | -0.190 |
| 200.610 | -0.340 | 205.600 | -0.470 | 210.590 | -0.390 | 215.570 | -0.270 |
| 220.560 | -0.290 | 225.550 | -0.240 | 230.540 | -0.190 | 235.530 | -0.070 |
| 240.520 | 0.010 | 245.510 | 0.030 | 247.610 | 0.410 | 249.400 | 0.890 |
| 251.100 | 1.080 | 251.100 | 1.190 | 251.100 | 1.080 | 261.840 | 1.200 |
| 271.840 | 1.260 | 281.840 | 1.280 | 290.640 | 1.230 | 295.540 | 2.810 |
| 301.340 | 4.610 | 307.340 | 4.610 | 312.640 | 4.600 | 315.340 | 4.410 |
| 321.840 | 4.500 | 331.840 | 4.490 | 341.840 | 4.260 | 351.840 | 4.080 |
| 361.840 | 4.070 | 371.840 | 3.940 | 381.840 | 3.860 | 391.840 | 3.810 |
| 401.840 | 3.600 | 411.840 | 3.700 | 421.840 | 3.590 | 431.840 | 3.610 |
| 436.640 | 3.430 | 437.640 | 2.660 | 438.740 | 2.980 | 439.540 | 3.940 |
| 443.640 | 4.140 | 447.040 | 4.230 | 448.140 | 4.470 | 451.840 | 4.640 |
| 461.840 | 4.690 | 471.840 | 4.580 | 481.840 | 4.620 | 491.840 | 4.530 |
| 498.840 | 4.480 | 504.060 | 4.410 | 509.640 | 4.290 | 510.220 | 4.400 |
| 516.160 | 7.190 | 517.060 | 7.340 | 517.260 | 7.340 | 522.250 | 7.840 |
| 526.530 | 7.900 | 526.750 | 8.000 | 529.280 | 9.230 | 531.840 | 10.570 |
| 531.840 | 10.870 | 531.840 | 10.570 | 533.540 | 11.320 | 534.320 | 11.320 |
| 538.440 | 11.340 | 541.670 | 11.230 | 542.460 | 11.170 | 542.940 | 10.890 |
| 543.740 | 10.770 | 544.440 | 10.770 | 550.340 | 10.620 | 550.990 | 10.700 |
| 551.560 | 10.740 | 555.490 | 8.950 | 556.530 | 8.890 | 556.800 | 8.370 |
| 560.010 | 8.300 | 567.590 | 4.810 | 571.340 | 4.660 | 574.640 | 3.180 |
| 575.040 | 3.200 | 575.680 | 2.050 | 576.870 | 2.060 | 576.870 | 2.290 |
| 577.140 | 2.580 | 577.690 | 2.590 | | | | |
| 28.8 | 0.000 | | | | 157 | 55 93 | 37 142 |
| -100.000 | 3.960 | -97.300 | 3.960 | -94.220 | 3.910 | -94.200 | 4.040 |
| -94.000 | 4.080 | -90.000 | 4.040 | -80.000 | 3.980 | -70.000 | 4.050 |
| -67.650 | 4.030 | -67.400 | 4.050 | -66.980 | 4.050 | -66.920 | 3.520 |
| -65.640 | 3.430 | -63.950 | 3.400 | -63.140 | 3.320 | -62.800 | 3.230 |
| -62.540 | 2.980 | -50.000 | 2.940 | -43.270 | 2.970 | -43.250 | 3.080 |
| -42.920 | 3.070 | -42.480 | 2.680 | -41.820 | 2.740 | -41.050 | 3.380 |
| -34.930 | 3.670 | -31.500 | 4.970 | -31.000 | 5.050 | -27.040 | 5.180 |
| -26.810 | 5.630 | -25.600 | 5.670 | -17.960 | 8.770 | -17.650 | 8.870 |
| -13.500 | 8.990 | -8.450 | 11.450 | -8.100 | 11.600 | -5.000 | 11.670 |
| -2.300 | 11.610 | 0.000 | 10.670 | 0.000 | 11.110 | 0.000 | 10.670 |
| 0.300 | 10.500 | 1.600 | 10.390 | 4.000 | 9.520 | 12.750 | 5.630 |
| 14.500 | 5.350 | 25.000 | 5.050 | 27.400 | 4.690 | 40.000 | 4.570 |
| 50.000 | 4.690 | 60.000 | 4.390 | 70.000 | 4.480 | 80.000 | 4.440 |
| 90.000 | 4.510 | 94.390 | 4.340 | 94.720 | 4.350 | 94.720 | 4.250 |
| 96.730 | 4.160 | 102.140 | 1.490 | 102.590 | 1.490 | 102.590 | 0.400 |
| 107.080 | -0.350 | 109.360 | -0.720 | 114.360 | -1.820 | 119.350 | -1.650 |
| 124.340 | -1.450 | 129.330 | -1.400 | 134.320 | -1.350 | 139.310 | -1.280 |
| 144.300 | -1.050 | 149.300 | -0.980 | 154.290 | -0.900 | 159.280 | -0.800 |
| 164.270 | -0.770 | 169.260 | -0.770 | 174.250 | -0.740 | 179.240 | -0.740 |
| 184.230 | -0.740 | 189.230 | -0.790 | 194.220 | -0.770 | 199.210 | -0.790 |
| 204.200 | -0.740 | 209.190 | -0.890 | 214.180 | -0.940 | 219.170 | -1.110 |
| 224.170 | -1.190 | 229.160 | -0.890 | 234.150 | -1.270 | 239.140 | -1.270 |
| 244.130 | -1.290 | 249.120 | -1.290 | 252.820 | -0.690 | 254.610 | 0.410 |
| 256.110 | 1.690 | 256.510 | 1.730 | 256.510 | 1.830 | 256.510 | 1.730 |
| 259.660 | 1.910 | 261.660 | 2.340 | 271.660 | 2.400 | 281.160 | 2.270 |
| 284.160 | 2.450 | 290.260 | 2.460 | 294.060 | 2.120 | 296.060 | 2.140 |
| 301.260 | 4.270 | 307.660 | 4.310 | 317.660 | 4.300 | 327.660 | 4.310 |
| 337.660 | 4.250 | 347.660 | 4.210 | 357.660 | 4.160 | 367.660 | 3.950 |
| 377.660 | 3.970 | 387.660 | 3.960 | 397.660 | 3.840 | 407.660 | 3.870 |
| 417.660 | 3.680 | 427.660 | 3.540 | 436.660 | 3.450 | 437.360 | 2.750 |
| 437.860 | 2.740 | 438.660 | 3.460 | 443.560 | 3.770 | 446.460 | 4.510 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 447.660 | 4.690 | 457.660 | 4.700 | 467.660 | 4.580 | 477.660 | 4.430 |
| 487.660 | 4.440 | 493.660 | 4.480 | 500.790 | 4.510 | 505.960 | 4.680 |
| 510.350 | 4.680 | 515.960 | 7.480 | 516.850 | 7.580 | 517.050 | 7.580 |
| 522.310 | 8.130 | 527.660 | 10.770 | 527.660 | 11.070 | 527.660 | 10.770 |
| 528.060 | 10.960 | 528.660 | 10.980 | 529.360 | 11.260 | 529.710 | 11.250 |
| 532.560 | 11.220 | 535.410 | 11.120 | 535.960 | 11.150 | 537.710 | 9.920 |
| 541.790 | 9.660 | 541.870 | 9.160 | 545.260 | 9.090 | 545.510 | 9.080 |
| 545.820 | 8.950 | 556.510 | 3.690 | 561.410 | 3.120 | 566.360 | 2.810 |
| 567.860 | 2.580 | | | | | | |
| 29.0 | 0.000 | | | | 170 | 59 107 | 35 151 |
| -99.000 | 4.570 | -72.050 | 4.570 | -69.600 | 4.510 | -68.650 | 4.200 |
| -64.730 | 4.120 | -60.600 | 4.090 | -60.600 | 3.910 | -60.150 | 3.930 |
| -59.650 | 3.770 | -57.600 | 3.710 | -57.300 | 3.580 | -56.500 | 3.060 |
| -45.300 | 3.090 | -44.700 | 3.670 | -42.800 | 4.240 | -36.900 | 4.450 |
| -36.000 | 4.800 | -31.600 | 4.830 | -31.270 | 4.770 | -31.270 | 4.470 |
| -30.970 | 4.470 | -30.970 | 4.770 | -30.870 | 4.760 | -27.150 | 4.990 |
| -26.830 | 5.480 | -25.700 | 5.500 | -17.580 | 8.770 | -17.270 | 8.880 |
| -13.450 | 8.980 | -13.200 | 9.430 | -12.430 | 9.490 | -8.160 | 11.430 |
| -8.050 | 11.520 | -5.300 | 11.590 | -1.900 | 11.530 | 1.000 | 10.090 |
| 1.000 | 10.640 | 1.000 | 10.090 | 6.500 | 7.500 | 9.490 | 7.210 |
| 12.360 | 5.630 | 13.620 | 5.390 | 13.040 | 5.330 | 13.240 | 5.340 |
| 13.240 | 5.230 | 15.300 | 5.010 | 17.920 | 5.190 | 20.670 | 5.160 |
| 31.000 | 4.950 | 41.000 | 4.910 | 51.000 | 4.790 | 61.000 | 4.730 |
| 71.000 | 4.630 | 81.000 | 4.470 | 90.480 | 4.360 | 90.480 | 4.570 |
| 90.480 | 4.360 | 90.780 | 4.340 | 91.080 | 4.340 | 91.080 | 4.230 |
| 93.110 | 4.140 | 98.590 | 1.480 | 99.060 | 1.480 | 99.060 | 0.410 |
| 103.450 | -0.130 | 105.460 | -0.350 | 106.350 | -0.590 | 110.450 | -0.640 |
| 115.440 | -0.640 | 120.430 | -0.770 | 125.420 | -1.070 | 130.410 | -1.340 |
| 135.410 | -1.590 | 140.400 | -1.590 | 145.390 | -1.370 | 150.380 | -1.470 |
| 155.370 | -1.470 | 160.370 | -1.590 | 165.360 | -1.570 | 170.350 | -1.570 |
| 175.340 | -1.390 | 180.330 | -1.290 | 185.320 | -1.190 | 190.320 | -1.090 |
| 195.310 | -1.040 | 200.300 | -1.040 | 205.290 | -1.090 | 210.280 | -1.090 |
| 215.280 | -0.870 | 220.270 | -0.940 | 225.260 | -1.070 | 230.250 | -1.070 |
| 235.240 | -1.140 | 240.230 | -0.390 | 243.630 | -0.110 | 245.230 | 0.150 |
| 250.220 | 0.360 | 253.210 | 0.110 | 259.200 | 0.010 | 261.200 | 0.410 |
| 262.700 | 0.740 | 271.180 | 0.770 | 271.680 | 0.720 | 281.170 | 0.910 |
| 285.970 | 1.420 | 287.080 | 1.430 | 289.280 | 2.090 | 293.080 | 2.310 |
| 295.780 | 1.820 | 297.380 | 1.370 | 303.580 | 1.310 | 305.280 | 1.680 |
| 310.580 | 2.290 | 316.580 | 3.180 | 319.280 | 3.950 | 326.080 | 3.970 |
| 336.080 | 3.960 | 346.080 | 3.990 | 356.080 | 4.050 | 366.080 | 4.040 |
| 376.080 | 3.900 | 386.080 | 3.720 | 396.080 | 3.650 | 406.080 | 3.510 |
| 416.080 | 3.390 | 423.680 | 3.370 | 424.080 | 2.800 | 424.580 | 2.790 |
| 425.480 | 3.560 | 431.080 | 3.870 | 436.280 | 3.990 | 437.980 | 4.230 |
| 446.080 | 4.240 | 456.080 | 4.250 | 466.080 | 4.350 | 476.080 | 4.250 |
| 486.080 | 4.340 | 496.080 | 4.350 | 503.080 | 4.330 | 508.430 | 4.280 |
| 518.280 | 4.300 | 522.980 | 4.270 | 527.580 | 4.290 | 528.410 | 4.360 |
| 534.370 | 7.240 | 535.290 | 7.350 | 535.490 | 7.350 | 540.710 | 8.010 |
| 543.450 | 9.330 | 546.080 | 10.680 | 546.080 | 10.960 | 546.080 | 10.680 |
| 546.580 | 10.910 | 552.280 | 11.040 | 552.860 | 11.240 | 556.180 | 11.380 |
| 559.330 | 11.310 | 559.710 | 11.240 | 565.680 | 8.010 | 566.830 | 7.670 |
| 569.680 | 7.450 | 571.280 | 7.010 | 579.880 | 3.770 | 582.640 | 3.390 |
| 584.380 | 2.730 | 584.780 | 2.240 | 585.580 | 2.210 | 586.380 | 2.730 |
| 587.530 | 2.870 | 587.980 | 2.610 | | | | |
| 29.2 | 0.000 | | | | 179 | 61 118 | 46 166 |
| -100.000 | 3.000 | -90.000 | 2.970 | -80.000 | 2.970 | -70.000 | 2.980 |
| -60.000 | 2.990 | -56.270 | 3.000 | -56.140 | 3.140 | -55.870 | 3.240 |

S59横断データ (-0.6~56.2). dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| -55.870 | 2.730 | -55.220 | 2.730 | -55.220 | 3.220 | -55.040 | 3.450 |
| -54.740 | 3.540 | -52.520 | 3.620 | -52.520 | 4.910 | -52.380 | 4.910 |
| -52.380 | 4.650 | -52.200 | 4.640 | -51.800 | 4.760 | -39.370 | 4.760 |
| -38.100 | 4.750 | -37.500 | 5.020 | -37.360 | 5.000 | -37.360 | 4.840 |
| -37.330 | 4.840 | -37.330 | 4.540 | -37.030 | 4.540 | -37.030 | 4.840 |
| -36.770 | 4.830 | -36.470 | 5.330 | -35.250 | 5.460 | -34.930 | 5.530 |
| -31.400 | 6.970 | -29.350 | 7.150 | -27.900 | 8.370 | -24.900 | 8.320 |
| -23.350 | 7.400 | -20.730 | 7.440 | -16.730 | 9.130 | -12.720 | 9.200 |
| -12.520 | 9.610 | -11.850 | 9.640 | -8.100 | 11.470 | -7.580 | 11.560 |
| -4.600 | 11.580 | -1.800 | 11.520 | 0.000 | 10.780 | 0.000 | 11.110 |
| 0.000 | 10.780 | 6.500 | 7.480 | 9.350 | 7.200 | 9.960 | 7.060 |
| 13.430 | 5.240 | 20.000 | 5.080 | 30.000 | 4.760 | 40.000 | 4.710 |
| 50.000 | 4.730 | 60.000 | 4.680 | 70.000 | 4.530 | 80.000 | 4.420 |
| 89.220 | 4.430 | 89.220 | 4.640 | 89.220 | 4.430 | 89.520 | 4.340 |
| 89.750 | 4.340 | 89.750 | 4.240 | 91.780 | 4.140 | 97.310 | 1.490 |
| 97.680 | 1.490 | 97.680 | 0.400 | 97.680 | -0.060 | 102.120 | -0.320 |
| 104.200 | -0.700 | 107.200 | -1.300 | 109.200 | -1.080 | 114.190 | -1.180 |
| 119.180 | -1.080 | 124.180 | -1.050 | 129.170 | -1.180 | 134.170 | -1.200 |
| 139.160 | -1.180 | 144.160 | -1.180 | 149.150 | -1.200 | 154.140 | -1.220 |
| 159.140 | -1.250 | 164.130 | -1.350 | 169.130 | -1.300 | 174.120 | -1.300 |
| 179.110 | -1.280 | 184.110 | -1.300 | 189.100 | -1.320 | 194.100 | -1.300 |
| 199.090 | -1.320 | 204.080 | -1.300 | 209.080 | -1.300 | 214.070 | -1.250 |
| 219.070 | -1.250 | 224.060 | -1.200 | 229.060 | -0.980 | 234.050 | -1.050 |
| 239.040 | -1.080 | 244.040 | -0.800 | 249.030 | -0.600 | 254.030 | -0.400 |
| 259.020 | -0.200 | 264.010 | -0.050 | 269.010 | 0.000 | 273.800 | 0.400 |
| 283.990 | 0.580 | 289.480 | 0.590 | 291.980 | 0.400 | 296.280 | 0.430 |
| 300.270 | 1.110 | 300.970 | 1.750 | 301.970 | 2.110 | 301.970 | 2.240 |
| 301.970 | 2.110 | 303.380 | 2.960 | 310.930 | 3.140 | 317.530 | 4.850 |
| 324.130 | 4.850 | 334.130 | 4.590 | 344.130 | 4.450 | 354.130 | 4.420 |
| 364.130 | 4.410 | 374.130 | 4.310 | 384.130 | 4.190 | 394.130 | 3.950 |
| 404.130 | 3.750 | 414.130 | 3.740 | 418.130 | 3.750 | 419.730 | 2.480 |
| 421.330 | 2.210 | 422.430 | 2.350 | 424.330 | 3.840 | 428.330 | 3.630 |
| 434.130 | 4.020 | 436.030 | 4.320 | 444.130 | 4.400 | 454.130 | 4.390 |
| 464.130 | 4.500 | 474.130 | 4.430 | 484.130 | 4.450 | 494.130 | 4.360 |
| 504.130 | 4.290 | 514.130 | 4.170 | 524.130 | 4.240 | 534.130 | 4.240 |
| 544.130 | 4.220 | 549.930 | 4.150 | 550.290 | 4.210 | 558.330 | 4.160 |
| 559.580 | 4.240 | 565.870 | 7.370 | 566.810 | 7.500 | 567.000 | 7.500 |
| 572.130 | 7.970 | 574.840 | 9.350 | 575.430 | 9.670 | 582.430 | 10.130 |
| 584.130 | 10.380 | 584.130 | 10.520 | 584.130 | 10.380 | 584.530 | 10.440 |
| 585.530 | 11.200 | 585.930 | 11.220 | 588.930 | 11.300 | 591.830 | 11.260 |
| 592.230 | 11.260 | 592.390 | 11.170 | 599.030 | 7.800 | 603.280 | 7.420 |
| 612.430 | 4.140 | 613.380 | 3.930 | 613.880 | 3.490 | 614.530 | 3.500 |
| 615.930 | 3.470 | 616.630 | 2.620 | 624.130 | 2.600 | | |
| 29.4 | 0.000 | | | | 168 | 55 108 | 38 157 |
| -101.000 | 3.310 | -91.000 | 3.310 | -81.000 | 3.300 | -71.000 | 3.320 |
| -66.010 | 3.250 | -65.940 | 3.710 | -65.880 | 3.710 | -65.400 | 3.880 |
| -58.000 | 4.040 | -49.560 | 4.020 | -49.560 | 3.610 | -49.050 | 3.620 |
| -48.450 | 4.250 | -47.000 | 4.680 | -43.700 | 6.490 | -42.650 | 6.510 |
| -42.550 | 6.520 | -42.550 | 6.220 | -42.250 | 6.220 | -42.250 | 6.520 |
| -42.180 | 6.540 | -38.200 | 6.830 | -37.000 | 7.750 | -31.650 | 7.820 |
| -30.700 | 7.210 | -30.300 | 7.260 | -30.300 | 6.960 | -30.000 | 6.960 |
| -30.000 | 7.260 | -26.650 | 7.340 | -22.970 | 8.940 | -18.600 | 9.160 |
| -14.040 | 11.310 | -13.530 | 11.390 | -9.600 | 11.400 | -8.900 | 11.590 |
| -6.100 | 11.670 | -3.100 | 11.590 | -1.000 | 10.540 | -1.000 | 10.990 |
| -1.000 | 10.540 | 5.300 | 7.530 | 8.040 | 7.220 | 13.140 | 5.610 |
| 14.800 | 5.230 | 24.940 | 5.130 | 25.040 | 5.130 | 26.100 | 5.050 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 29.000 | 5.050 | 39.000 | 4.960 | 49.000 | 4.820 | 59.000 | 4.720 |
| 69.000 | 4.610 | 79.000 | 4.570 | 88.920 | 4.420 | 88.920 | 4.680 |
| 88.920 | 4.420 | 89.320 | 4.380 | 89.420 | 4.380 | 89.420 | 4.270 |
| 91.420 | 4.180 | 97.970 | 1.120 | 98.400 | 1.120 | 98.400 | 0.920 |
| 102.300 | 0.390 | 103.900 | 0.240 | 108.890 | -0.060 | 113.890 | -0.610 |
| 118.880 | -0.630 | 123.870 | -0.710 | 128.870 | -0.790 | 133.860 | -0.710 |
| 138.850 | -0.760 | 143.850 | -0.710 | 148.840 | -0.660 | 153.830 | -0.590 |
| 158.830 | -0.510 | 163.820 | -0.330 | 168.810 | -0.260 | 173.810 | -0.360 |
| 178.800 | -0.310 | 183.790 | -0.330 | 188.790 | -0.410 | 193.780 | -0.460 |
| 198.770 | -0.560 | 203.770 | -0.610 | 208.760 | -0.810 | 213.750 | -1.260 |
| 218.750 | -1.530 | 223.740 | -1.530 | 228.730 | -1.560 | 233.730 | -1.630 |
| 238.720 | -1.660 | 243.710 | -1.710 | 248.710 | -1.730 | 253.700 | -1.610 |
| 258.690 | -1.730 | 263.690 | -1.910 | 268.680 | -2.030 | 273.670 | -2.010 |
| 278.670 | -1.910 | 283.660 | -1.690 | 288.650 | -2.090 | 293.650 | -2.030 |
| 297.140 | 0.390 | 297.940 | 1.440 | 299.940 | 2.000 | 301.260 | 2.930 |
| 307.560 | 3.460 | 311.860 | 5.040 | 321.060 | 5.110 | 331.060 | 5.130 |
| 341.060 | 5.060 | 351.060 | 4.870 | 361.060 | 4.650 | 371.060 | 4.400 |
| 381.060 | 4.170 | 391.060 | 3.900 | 401.060 | 3.760 | 411.060 | 3.650 |
| 418.560 | 3.410 | 420.060 | 2.630 | 427.760 | 2.080 | 431.660 | 2.090 |
| 436.060 | 2.570 | 443.260 | 3.540 | 446.060 | 3.690 | 450.860 | 4.500 |
| 451.060 | 4.880 | 461.060 | 4.930 | 471.060 | 4.960 | 481.060 | 4.910 |
| 491.060 | 4.860 | 501.060 | 4.760 | 511.060 | 4.580 | 521.060 | 4.660 |
| 531.060 | 4.660 | 541.060 | 4.690 | 551.060 | 4.710 | 561.060 | 4.620 |
| 563.560 | 4.630 | 564.760 | 4.830 | 571.060 | 4.740 | 576.960 | 4.860 |
| 577.690 | 4.950 | 584.360 | 4.880 | 586.710 | 5.070 | 591.650 | 7.510 |
| 592.570 | 7.610 | 592.770 | 7.610 | 597.990 | 8.180 | 600.640 | 9.490 |
| 606.460 | 10.210 | 611.060 | 10.590 | 611.060 | 10.810 | 611.060 | 10.590 |
| 612.460 | 11.440 | 613.060 | 11.490 | 616.060 | 11.550 | 619.160 | 11.530 |
| 620.980 | 11.490 | 628.560 | 8.220 | 632.760 | 8.060 | 637.620 | 6.070 |
| 638.460 | 5.760 | 641.760 | 5.680 | 642.760 | 5.540 | 651.060 | 5.180 |
| 29.6 | 0.000 | | | | 170 | 42.100 | 19.151 |
| -43.300 | 4.510 | -41.550 | 4.640 | -40.180 | 4.960 | -34.100 | 8.110 |
| -30.770 | 8.220 | -30.430 | 8.310 | -27.400 | 9.920 | -26.890 | 10.040 |
| -26.100 | 10.060 | -21.070 | 10.050 | -20.840 | 10.170 | -20.430 | 10.160 |
| -20.050 | 9.960 | -12.050 | 10.170 | -9.400 | 11.510 | -8.700 | 11.620 |
| -6.000 | 11.630 | -3.100 | 11.590 | -2.000 | 11.100 | -2.000 | 11.540 |
| -2.000 | 11.100 | 4.400 | 7.870 | 11.070 | 7.550 | 12.090 | 7.500 |
| 19.050 | 4.010 | 20.300 | 3.980 | 28.000 | 3.870 | 38.000 | 3.350 |
| 48.000 | 3.280 | 58.450 | 3.340 | 62.600 | 4.230 | 69.400 | 4.330 |
| 73.650 | 4.090 | 76.600 | 3.660 | 86.000 | 3.450 | 92.050 | 3.650 |
| 98.000 | 3.530 | 108.000 | 3.320 | 118.000 | 3.180 | 128.000 | 3.050 |
| 138.000 | 2.950 | 144.200 | 2.940 | 154.000 | 1.880 | 155.500 | 1.490 |
| 157.840 | 1.270 | 157.840 | 1.390 | 157.840 | 1.270 | 161.540 | 0.730 |
| 162.740 | 0.380 | 162.840 | 0.330 | 165.830 | -0.820 | 167.830 | -1.120 |
| 172.830 | -1.300 | 177.820 | -1.370 | 182.820 | -1.340 | 187.820 | -1.340 |
| 192.810 | -1.220 | 197.810 | -1.140 | 202.810 | -1.040 | 207.800 | -1.070 |
| 212.800 | -1.150 | 217.790 | -1.230 | 222.790 | -1.230 | 227.790 | -1.230 |
| 232.780 | -1.230 | 237.780 | -1.230 | 242.780 | -1.230 | 247.770 | -1.150 |
| 252.770 | -1.230 | 257.760 | -1.210 | 262.760 | -1.130 | 267.760 | -1.050 |
| 272.750 | -0.930 | 277.750 | -0.780 | 282.750 | -0.630 | 287.740 | -0.510 |
| 292.740 | -0.510 | 297.730 | -0.230 | 302.730 | -0.130 | 307.730 | -0.130 |
| 312.720 | -0.080 | 317.720 | -0.030 | 322.710 | 0.130 | 327.710 | 0.220 |
| 332.710 | 0.220 | 337.700 | 0.340 | 340.000 | 0.370 | 343.200 | 0.410 |
| 353.790 | 0.470 | 357.790 | 0.340 | 360.490 | 0.240 | 363.080 | 0.170 |
| 364.080 | 0.330 | 365.180 | 0.630 | 367.480 | 1.090 | 368.580 | 1.890 |
| 368.780 | 2.060 | 371.310 | 2.240 | 373.060 | 3.110 | 376.460 | 3.970 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 379.710 | 3.930 | 388.410 | 3.990 | 398.410 | 4.040 | 408.410 | 4.090 |
| 418.410 | 4.000 | 428.410 | 3.800 | 438.410 | 3.580 | 448.410 | 3.500 |
| 458.410 | 3.340 | 468.260 | 3.240 | 471.910 | 3.530 | 474.510 | 4.070 |
| 478.210 | 4.290 | 482.160 | 5.460 | 488.410 | 5.720 | 498.410 | 5.710 |
| 508.410 | 5.760 | 518.410 | 5.610 | 528.410 | 5.520 | 538.410 | 5.400 |
| 548.410 | 5.320 | 558.410 | 5.020 | 563.910 | 4.990 | 568.410 | 4.920 |
| 573.010 | 4.770 | 575.010 | 4.500 | 582.510 | 4.580 | 585.510 | 4.350 |
| 588.410 | 4.450 | 598.410 | 4.340 | 607.110 | 4.410 | 607.350 | 4.390 |
| 612.110 | 4.400 | 612.710 | 4.490 | 616.950 | 6.560 | 620.970 | 6.580 |
| 620.970 | 6.720 | 621.270 | 6.730 | 622.800 | 7.460 | 626.950 | 7.560 |
| 626.950 | 7.670 | 627.270 | 7.680 | 630.870 | 9.440 | 631.870 | 9.440 |
| 634.110 | 10.350 | 638.010 | 10.450 | 638.410 | 10.560 | 638.410 | 10.850 |
| 638.410 | 10.560 | 639.710 | 11.440 | 640.010 | 11.460 | 643.110 | 11.490 |
| 646.110 | 11.420 | 646.510 | 11.380 | 646.760 | 11.210 | 652.810 | 8.260 |
| 657.610 | 8.060 | 661.810 | 6.050 | 662.640 | 5.980 | 662.710 | 5.790 |
| 666.860 | 5.700 | 669.910 | 4.430 | 670.920 | 4.360 | 670.920 | 4.060 |
| 671.220 | 4.060 | 671.220 | 4.360 | 671.510 | 4.340 | 673.610 | 4.550 |
| 678.560 | 4.250 | 681.310 | 4.230 | | | | |
| 29.8 | 0.000 | | | | 157 | 28 94 | 17 140 |
| -43.000 | 4.820 | -41.290 | 5.000 | -36.550 | 5.000 | -32.450 | 5.340 |
| -31.800 | 5.210 | -30.950 | 5.230 | -27.720 | 5.370 | -26.950 | 5.510 |
| -17.570 | 9.120 | -17.150 | 9.190 | -13.330 | 9.370 | -8.290 | 11.680 |
| -8.000 | 11.760 | -5.500 | 11.740 | -1.850 | 11.630 | -1.000 | 11.220 |
| -1.000 | 11.660 | -1.000 | 11.220 | 6.150 | 7.760 | 11.720 | 7.540 |
| 12.740 | 7.490 | 18.100 | 4.800 | 19.590 | 4.740 | 29.000 | 4.840 |
| 39.000 | 4.770 | 49.000 | 4.720 | 59.000 | 4.660 | 68.250 | 4.670 |
| 69.700 | 4.130 | 72.000 | 3.950 | 79.000 | 3.590 | 89.000 | 3.190 |
| 99.000 | 3.070 | 105.100 | 2.910 | 109.000 | 2.790 | 119.000 | 2.400 |
| 129.000 | 2.090 | 139.000 | 1.790 | 149.000 | 1.500 | 156.780 | 1.250 |
| 156.780 | 1.380 | 156.780 | 1.250 | 157.880 | 1.130 | 158.180 | 0.690 |
| 159.080 | 0.340 | 161.770 | -0.820 | 166.770 | -1.210 | 171.760 | -1.270 |
| 176.750 | -1.170 | 179.750 | -0.970 | 181.740 | -0.120 | 182.640 | 0.330 |
| 182.940 | 0.510 | 183.740 | 0.510 | 184.040 | 0.330 | 186.740 | -1.070 |
| 191.730 | -1.670 | 196.720 | -1.720 | 201.720 | -1.670 | 206.710 | -1.770 |
| 211.700 | -1.750 | 216.690 | -1.770 | 221.690 | -1.670 | 226.680 | -1.590 |
| 231.670 | -1.370 | 236.670 | -1.060 | 241.660 | -0.780 | 246.650 | -0.560 |
| 251.650 | -0.360 | 256.640 | -0.160 | 261.630 | 0.190 | 266.620 | 0.190 |
| 271.620 | 0.220 | 276.610 | 0.290 | 281.600 | 0.290 | 286.600 | 0.240 |
| 291.590 | 0.190 | 296.580 | 0.190 | 301.570 | 0.160 | 306.570 | 0.140 |
| 311.560 | 0.090 | 316.550 | 0.150 | 321.550 | 0.200 | 326.540 | 0.200 |
| 331.530 | 0.320 | 333.430 | 0.350 | 350.800 | 0.930 | 356.500 | 0.830 |
| 367.980 | 0.610 | 376.970 | 0.490 | 378.170 | 0.850 | 382.110 | 1.670 |
| 387.140 | 2.890 | 392.040 | 4.170 | 399.840 | 4.280 | 409.840 | 4.180 |
| 419.840 | 3.970 | 429.840 | 3.730 | 439.840 | 3.520 | 445.840 | 3.370 |
| 454.840 | 3.200 | 462.340 | 3.040 | 463.440 | 2.350 | 464.240 | 2.390 |
| 467.240 | 3.880 | 470.240 | 3.830 | 475.240 | 4.480 | 477.940 | 5.700 |
| 480.640 | 5.940 | 489.840 | 6.120 | 499.840 | 5.960 | 509.840 | 5.910 |
| 519.840 | 5.800 | 529.840 | 5.750 | 539.840 | 5.650 | 549.840 | 5.540 |
| 558.240 | 5.470 | 558.940 | 5.170 | 559.940 | 5.160 | 569.840 | 5.170 |
| 579.840 | 5.270 | 587.540 | 5.170 | 589.840 | 5.230 | 595.840 | 5.100 |
| 604.840 | 4.790 | 611.840 | 4.860 | 612.500 | 4.880 | 617.440 | 4.680 |
| 619.580 | 4.760 | 625.180 | 7.530 | 629.340 | 7.630 | 629.340 | 7.740 |
| 629.640 | 7.740 | 633.210 | 9.490 | 634.210 | 9.510 | 638.240 | 9.850 |
| 639.840 | 10.370 | 639.840 | 10.690 | 639.840 | 10.370 | 641.290 | 11.260 |
| 644.340 | 11.320 | 647.460 | 11.260 | 650.590 | 9.790 | 651.120 | 9.800 |
| 657.110 | 9.530 | 657.480 | 9.520 | 657.520 | 9.420 | 661.490 | 9.240 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|---------|--------|---------|--------|
| 662.840 | 8.590 | 663.680 | 8.540 | 663.770 | 8.280 | 672.220 | 8.410 |
| 673.240 | 8.280 | 674.440 | 7.780 | 676.940 | 7.870 | 680.240 | 5.070 |
| 684.140 | 4.500 | | | | | | |
| 30.0 | 0.000 | | | | 192 | 43 110 | 24 169 |
| -101.000 | 4.280 | -100.900 | 4.300 | -99.900 | 4.340 | -94.270 | 4.320 |
| -93.700 | 4.320 | -85.700 | 4.640 | -80.150 | 4.650 | -68.800 | 4.950 |
| -61.000 | 5.280 | -51.000 | 5.420 | -44.000 | 5.640 | -35.000 | 6.460 |
| -33.200 | 7.280 | -27.690 | 7.250 | -26.730 | 7.300 | -23.430 | 7.330 |
| -18.580 | 9.040 | -17.930 | 9.180 | -14.250 | 9.350 | -13.710 | 9.520 |
| -8.750 | 11.720 | -8.400 | 11.860 | -5.800 | 11.850 | -2.900 | 11.780 |
| -2.100 | 11.590 | -1.000 | 10.870 | -1.000 | 11.400 | -1.000 | 10.870 |
| 5.530 | 7.950 | 11.620 | 7.590 | 12.610 | 7.540 | 19.830 | 3.960 |
| 20.340 | 3.990 | 29.000 | 3.870 | 39.000 | 3.720 | 49.000 | 3.680 |
| 59.000 | 3.470 | 69.000 | 3.180 | 72.210 | 3.020 | 72.400 | 3.020 |
| 75.620 | 2.790 | 75.960 | 2.790 | 78.000 | 2.610 | 80.350 | 1.480 |
| 85.500 | 1.440 | 86.250 | 1.110 | 90.300 | 1.120 | 91.200 | 1.470 |
| 95.200 | 1.420 | 96.550 | 1.700 | 99.720 | 1.480 | 99.720 | 1.590 |
| 99.720 | 1.480 | 100.220 | 1.440 | 101.020 | 1.180 | 110.200 | 0.710 |
| 115.190 | 0.520 | 118.590 | 0.320 | 119.690 | 0.200 | 123.180 | 0.140 |
| 124.680 | -0.460 | 125.180 | -0.860 | 129.670 | -1.480 | 134.660 | -1.460 |
| 139.650 | -1.260 | 144.650 | -1.460 | 149.640 | -1.480 | 154.630 | -1.270 |
| 159.620 | -0.940 | 164.610 | -0.790 | 169.610 | -0.740 | 174.600 | -0.890 |
| 179.590 | -0.690 | 184.580 | -0.490 | 189.570 | -0.390 | 194.570 | -0.140 |
| 199.560 | 0.010 | 204.550 | 0.110 | 209.540 | 0.200 | 214.530 | 0.280 |
| 216.730 | 0.300 | 224.520 | 0.320 | 236.500 | 0.450 | 244.480 | 0.530 |
| 254.470 | 0.540 | 264.450 | 0.600 | 273.440 | 0.410 | 290.610 | 0.310 |
| 294.400 | 0.190 | 299.390 | 0.210 | 304.390 | 0.160 | 309.380 | 0.110 |
| 312.670 | 0.240 | 314.370 | 0.210 | 319.360 | 0.020 | 324.350 | -0.040 |
| 329.350 | -0.030 | 334.340 | 0.020 | 336.830 | -0.080 | 339.330 | -0.480 |
| 342.820 | -0.600 | 344.320 | 0.160 | 344.720 | 0.320 | 345.920 | 0.610 |
| 348.610 | 0.610 | 350.310 | 1.140 | 351.710 | 2.050 | 351.710 | 2.200 |
| 351.710 | 2.050 | 354.690 | 3.720 | 360.890 | 3.470 | 363.890 | 3.990 |
| 369.490 | 3.850 | 374.590 | 3.510 | 383.990 | 3.290 | 386.290 | 4.000 |
| 395.190 | 4.210 | 404.590 | 4.220 | 414.590 | 4.060 | 424.590 | 3.890 |
| 430.590 | 3.640 | 437.640 | 3.360 | 437.890 | 2.500 | 438.890 | 2.260 |
| 439.890 | 2.450 | 440.490 | 3.500 | 448.590 | 3.820 | 451.590 | 3.340 |
| 457.090 | 3.140 | 464.590 | 2.320 | 474.590 | 2.170 | 484.590 | 2.350 |
| 489.990 | 2.610 | 494.390 | 3.130 | 504.590 | 2.900 | 514.590 | 2.850 |
| 519.390 | 3.010 | 520.490 | 2.730 | 521.090 | 2.770 | 521.990 | 3.010 |
| 524.590 | 3.050 | 534.590 | 2.980 | 543.590 | 2.950 | 544.590 | 2.710 |
| 554.590 | 2.980 | 564.590 | 3.080 | 567.090 | 3.080 | 568.590 | 3.380 |
| 574.590 | 3.770 | 579.390 | 4.160 | 584.390 | 4.830 | 586.290 | 5.720 |
| 589.790 | 5.680 | 591.690 | 5.520 | 592.770 | 5.760 | 599.590 | 5.920 |
| 602.540 | 5.900 | 606.060 | 7.570 | 610.290 | 7.690 | 610.290 | 7.800 |
| 610.620 | 7.790 | 614.300 | 9.550 | 615.300 | 9.540 | 616.890 | 10.280 |
| 623.790 | 10.600 | 624.590 | 10.740 | 624.590 | 11.020 | 624.590 | 10.740 |
| 625.890 | 11.400 | 626.390 | 11.520 | 629.390 | 11.560 | 632.690 | 11.500 |
| 633.040 | 11.370 | 633.240 | 11.130 | 637.690 | 8.780 | 639.290 | 8.680 |
| 639.550 | 8.150 | 642.740 | 8.090 | 642.860 | 8.090 | 647.290 | 6.410 |
| 648.090 | 6.280 | 648.170 | 6.040 | 651.190 | 5.970 | 652.340 | 5.790 |
| 654.600 | 5.010 | 654.600 | 4.560 | 655.050 | 4.560 | 655.050 | 5.010 |
| 655.590 | 5.100 | 662.590 | 5.160 | 670.490 | 5.000 | 673.290 | 4.320 |
| 30.2 | 0.000 | | | | 172 | 43 104 | 27 154 |
| -100.000 | 3.510 | -90.000 | 3.530 | -80.000 | 3.510 | -70.000 | 3.520 |
| -60.000 | 3.520 | -50.000 | 3.520 | -40.000 | 3.510 | -35.390 | 3.510 |
| -35.280 | 3.700 | -34.620 | 3.700 | -34.400 | 3.440 | -34.230 | 3.420 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| -33.350 | 4.110 | -31.500 | 5.090 | -30.800 | 5.250 | -27.600 | 5.310 |
| -26.200 | 5.570 | -17.350 | 9.020 | -16.800 | 9.220 | -13.180 | 9.400 |
| -7.390 | 11.920 | -7.100 | 11.960 | -4.300 | 11.970 | -1.250 | 11.910 |
| -0.630 | 11.750 | 0.000 | 11.410 | 0.000 | 11.770 | 0.000 | 11.410 |
| 3.370 | 9.560 | 4.360 | 9.550 | 7.800 | 7.870 | 8.250 | 7.870 |
| 8.250 | 7.770 | 13.820 | 7.550 | 21.050 | 3.940 | 22.050 | 3.860 |
| 30.000 | 3.740 | 40.000 | 3.910 | 50.000 | 3.430 | 55.700 | 3.240 |
| 59.000 | 3.080 | 70.000 | 2.960 | 72.690 | 2.880 | 72.690 | 3.120 |
| 72.690 | 2.880 | 72.890 | 2.860 | 73.080 | 2.860 | 73.080 | 2.760 |
| 75.090 | 2.670 | 78.980 | 0.670 | 81.980 | 0.310 | 87.680 | 0.480 |
| 97.670 | 0.890 | 104.660 | 0.880 | 112.660 | 0.620 | 120.650 | 0.310 |
| 122.850 | 0.160 | 127.640 | -0.190 | 132.640 | -0.250 | 137.630 | -0.150 |
| 142.630 | -0.350 | 147.630 | -0.410 | 152.620 | -0.410 | 157.620 | -0.580 |
| 162.610 | -0.450 | 167.610 | -0.480 | 172.600 | -0.630 | 177.600 | -0.210 |
| 182.600 | -0.080 | 187.590 | -0.130 | 192.590 | -0.150 | 197.580 | -0.150 |
| 202.580 | -0.130 | 207.570 | -0.150 | 212.570 | -0.180 | 217.570 | -0.270 |
| 222.560 | -0.270 | 227.560 | -0.240 | 232.550 | -0.240 | 237.550 | -0.340 |
| 242.540 | -0.400 | 247.540 | -0.470 | 252.540 | -0.470 | 257.530 | -0.520 |
| 262.530 | -0.570 | 267.520 | -0.620 | 272.520 | -0.620 | 277.510 | -0.620 |
| 282.510 | -0.620 | 287.510 | -0.940 | 292.500 | -0.820 | 297.500 | -0.670 |
| 302.490 | -0.670 | 307.490 | -0.490 | 312.480 | -0.510 | 317.480 | -0.460 |
| 322.480 | -0.360 | 327.470 | -0.290 | 332.470 | -0.230 | 337.460 | -0.160 |
| 342.460 | -0.060 | 346.950 | 0.190 | 351.050 | 1.080 | 351.850 | 2.040 |
| 352.150 | 2.110 | 352.150 | 2.210 | 352.150 | 2.110 | 357.190 | 3.130 |
| 365.490 | 3.330 | 370.590 | 3.810 | 378.740 | 4.500 | 383.590 | 4.460 |
| 387.090 | 3.490 | 390.990 | 3.320 | 393.940 | 4.370 | 397.490 | 4.640 |
| 403.890 | 4.650 | 413.890 | 4.670 | 423.890 | 4.570 | 433.890 | 4.350 |
| 443.890 | 4.320 | 453.890 | 4.180 | 463.890 | 4.000 | 473.890 | 3.990 |
| 483.890 | 3.830 | 493.890 | 3.770 | 503.890 | 3.700 | 513.890 | 3.550 |
| 517.890 | 3.480 | 527.890 | 3.270 | 535.290 | 3.150 | 535.890 | 2.390 |
| 536.690 | 2.430 | 537.390 | 3.010 | 539.190 | 3.520 | 543.890 | 3.610 |
| 553.890 | 3.820 | 563.890 | 3.840 | 569.890 | 3.820 | 575.990 | 3.950 |
| 579.230 | 4.050 | 583.090 | 4.200 | 586.790 | 4.600 | 592.830 | 7.620 |
| 596.860 | 7.730 | 596.860 | 7.830 | 597.320 | 7.830 | 600.890 | 9.610 |
| 601.910 | 9.620 | 603.890 | 10.350 | 603.890 | 10.660 | 603.890 | 10.350 |
| 605.290 | 11.050 | 606.290 | 11.280 | 608.190 | 11.400 | 611.190 | 11.450 |
| 614.490 | 11.430 | 615.260 | 11.260 | 618.490 | 9.590 | 619.140 | 9.450 |
| 622.370 | 9.270 | 622.370 | 9.030 | 622.630 | 9.030 | 622.630 | 9.270 |
| 623.290 | 9.170 | 630.930 | 6.090 | 631.140 | 6.050 | 635.090 | 5.880 |
| 635.890 | 5.670 | 638.840 | 4.550 | 644.890 | 4.460 | 650.530 | 4.370 |
| 30.4 | 0.000 | | | | 158 | 53.108 | 31.137 |
| -100.000 | 3.500 | -90.000 | 3.470 | -80.000 | 3.470 | -70.000 | 3.470 |
| -67.450 | 3.480 | -66.720 | 3.850 | -64.850 | 3.860 | -64.430 | 3.760 |
| -63.930 | 3.630 | -63.870 | 3.460 | -55.000 | 3.440 | -45.000 | 3.420 |
| -36.350 | 3.410 | -36.250 | 3.560 | -35.930 | 3.580 | -35.610 | 3.320 |
| -35.220 | 3.330 | -32.950 | 4.380 | -31.040 | 5.220 | -27.700 | 5.450 |
| -27.050 | 5.600 | -17.710 | 9.110 | -13.980 | 9.370 | -13.030 | 9.580 |
| -7.940 | 11.970 | -7.300 | 12.040 | -4.400 | 12.040 | -1.800 | 11.880 |
| -1.000 | 11.860 | 0.000 | 11.270 | 0.000 | 11.810 | 0.000 | 11.270 |
| 2.980 | 9.610 | 3.970 | 9.600 | 7.360 | 7.920 | 7.830 | 7.910 |
| 7.830 | 7.800 | 13.400 | 7.610 | 20.700 | 3.930 | 22.530 | 3.950 |
| 30.000 | 3.860 | 40.000 | 3.690 | 45.200 | 3.630 | 50.000 | 3.600 |
| 60.000 | 3.230 | 70.000 | 3.010 | 80.000 | 2.900 | 90.000 | 2.880 |
| 100.000 | 2.870 | 110.000 | 2.760 | 113.700 | 2.770 | 121.300 | 2.670 |
| 130.150 | 2.470 | 134.500 | 1.630 | 134.500 | 1.770 | 134.500 | 1.630 |
| 140.000 | 0.760 | 146.200 | 0.400 | 153.500 | 0.550 | 157.500 | 0.480 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 167.000 | 0.140 | 172.000 | 0.040 | 176.500 | 0.090 | 181.500 | 0.050 |
| 187.600 | 0.140 | 191.500 | 0.290 | 192.800 | 0.670 | 204.000 | 0.540 |
| 218.000 | 0.440 | 229.500 | 0.230 | 232.100 | 0.190 | 234.500 | 0.120 |
| 239.500 | -0.010 | 244.500 | -0.240 | 249.500 | -0.310 | 254.500 | -0.510 |
| 259.500 | -0.610 | 264.490 | -0.610 | 269.490 | -0.760 | 274.490 | -0.760 |
| 279.490 | -0.730 | 284.490 | -0.500 | 289.490 | -0.450 | 294.490 | -0.380 |
| 299.490 | -0.500 | 304.490 | -0.550 | 309.490 | -0.500 | 314.490 | -0.500 |
| 319.490 | -0.450 | 324.490 | -0.450 | 329.490 | -0.350 | 334.490 | -0.450 |
| 339.490 | -0.550 | 344.490 | -0.600 | 349.490 | -0.650 | 354.490 | -0.720 |
| 359.490 | -0.700 | 364.490 | -0.450 | 369.490 | -0.150 | 373.490 | -0.060 |
| 376.490 | 0.200 | 378.490 | 0.420 | 383.890 | 0.440 | 386.090 | 0.870 |
| 388.690 | 2.030 | 388.690 | 2.140 | 388.690 | 2.030 | 390.390 | 3.340 |
| 399.790 | 3.800 | 409.790 | 3.850 | 419.790 | 3.920 | 429.790 | 4.110 |
| 439.790 | 4.530 | 449.790 | 4.740 | 459.790 | 4.980 | 469.790 | 5.040 |
| 479.790 | 4.850 | 489.790 | 4.820 | 499.790 | 4.800 | 509.790 | 4.710 |
| 518.190 | 4.240 | 519.790 | 4.300 | 529.790 | 4.370 | 539.790 | 4.400 |
| 549.790 | 4.150 | 559.790 | 4.120 | 569.790 | 4.520 | 578.390 | 4.660 |
| 580.490 | 4.790 | 590.680 | 5.030 | 591.640 | 5.010 | 597.130 | 7.710 |
| 598.140 | 7.760 | 601.390 | 7.940 | 608.590 | 11.080 | 609.790 | 11.460 |
| 609.790 | 11.930 | 609.790 | 11.460 | 610.390 | 11.700 | 611.140 | 11.770 |
| 614.490 | 11.880 | 617.740 | 11.850 | 618.940 | 11.740 | 622.890 | 9.710 |
| 627.050 | 9.510 | 632.240 | 7.430 | 638.530 | 7.040 | 638.840 | 6.410 |
| 639.310 | 6.420 | 645.590 | 6.540 | 650.840 | 6.460 | 656.440 | 6.320 |
| 657.790 | 5.490 | 659.030 | 5.470 | 659.030 | 5.170 | 659.330 | 5.170 |
| 659.330 | 5.470 | 659.590 | 5.440 | | | | |
| 30.6 | 0.000 | | | | 167 | 65 113 | 23 142 |
| -100.000 | 3.800 | -95.000 | 3.860 | -69.600 | 7.550 | -63.700 | 7.850 |
| -26.660 | 13.330 | -20.630 | 11.950 | -20.250 | 11.980 | -19.950 | 11.950 |
| -17.200 | 11.990 | -14.580 | 11.910 | -14.300 | 11.910 | -7.750 | 11.730 |
| -2.960 | 11.410 | -2.960 | 13.580 | -3.490 | 14.040 | -3.490 | 14.360 |
| -2.930 | 14.380 | -2.360 | 14.370 | -2.360 | 11.430 | -0.940 | 11.430 |
| -0.940 | 10.840 | 0.000 | 10.450 | 0.000 | 10.930 | 0.000 | 10.450 |
| 1.550 | 9.740 | 4.750 | 8.090 | 5.650 | 8.050 | 7.700 | 8.010 |
| 16.540 | 5.140 | 17.100 | 4.940 | 19.600 | 4.610 | 27.200 | 4.450 |
| 33.000 | 3.780 | 43.000 | 3.480 | 46.300 | 3.630 | 50.000 | 3.690 |
| 55.000 | 3.650 | 57.800 | 3.270 | 64.000 | 3.080 | 70.000 | 3.070 |
| 80.000 | 3.030 | 88.370 | 2.960 | 93.000 | 2.920 | 100.000 | 2.870 |
| 110.000 | 3.030 | 120.000 | 3.220 | 130.000 | 3.380 | 140.600 | 3.430 |
| 144.200 | 2.740 | 150.000 | 2.730 | 160.000 | 2.870 | 163.000 | 2.760 |
| 166.700 | 2.330 | 167.200 | 2.320 | 167.700 | 2.550 | 169.500 | 2.480 |
| 171.700 | 2.120 | 176.500 | 2.390 | 179.300 | 1.900 | 182.800 | 1.790 |
| 185.300 | 2.260 | 187.530 | 2.430 | 187.530 | 2.620 | 187.530 | 2.430 |
| 188.030 | 2.450 | 190.230 | 1.470 | 193.030 | 1.030 | 200.530 | 1.040 |
| 210.530 | 0.840 | 220.530 | 0.510 | 230.530 | 0.560 | 237.530 | 0.470 |
| 247.530 | 0.430 | 254.730 | 0.200 | 257.530 | 0.120 | 262.530 | -0.250 |
| 267.530 | -0.520 | 272.530 | -0.620 | 277.530 | -0.750 | 282.530 | -0.980 |
| 287.530 | -1.100 | 292.530 | -1.250 | 297.530 | -1.400 | 302.520 | -1.400 |
| 307.520 | -1.450 | 312.520 | -1.450 | 317.520 | -1.480 | 322.520 | -1.480 |
| 327.520 | -1.420 | 332.520 | -1.420 | 337.520 | -1.400 | 342.520 | -1.220 |
| 347.520 | -1.150 | 352.520 | -1.080 | 357.520 | -0.950 | 362.520 | -0.900 |
| 367.520 | -0.820 | 372.520 | -0.700 | 377.520 | -0.300 | 382.520 | -0.400 |
| 387.520 | -0.350 | 392.520 | -0.300 | 397.520 | -0.350 | 402.520 | -0.350 |
| 407.520 | -0.350 | 408.220 | -0.220 | 409.520 | 0.200 | 412.520 | 0.890 |
| 413.020 | 1.660 | 413.520 | 1.810 | 413.520 | 1.930 | 413.520 | 1.810 |
| 415.900 | 4.040 | 422.200 | 4.420 | 426.150 | 4.750 | 435.450 | 4.620 |
| 445.450 | 4.480 | 455.450 | 4.400 | 465.450 | 4.380 | 475.450 | 4.320 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 484.000 | 4.680 | 485.750 | 5.110 | 495.450 | 5.090 | 502.850 | 5.120 |
| 508.450 | 5.110 | 518.450 | 4.920 | 528.450 | 4.700 | 538.350 | 4.600 |
| 543.450 | 4.410 | 547.150 | 4.440 | 548.550 | 4.790 | 555.450 | 5.060 |
| 565.450 | 5.130 | 575.210 | 5.420 | 576.650 | 5.290 | 584.150 | 7.980 |
| 586.950 | 8.360 | 589.450 | 9.760 | 593.000 | 10.140 | 593.100 | 10.400 |
| 595.450 | 11.460 | 595.450 | 12.010 | 595.450 | 11.460 | 595.850 | 11.620 |
| 597.200 | 11.650 | 600.550 | 11.650 | 604.150 | 11.640 | 605.350 | 11.610 |
| 607.100 | 10.660 | 614.460 | 10.250 | 615.100 | 10.210 | 615.410 | 9.610 |
| 615.890 | 9.610 | 616.010 | 9.660 | 619.250 | 9.630 | 622.350 | 9.520 |
| 626.550 | 9.360 | 630.350 | 7.880 | 631.090 | 7.750 | 631.540 | 7.660 |
| 631.820 | 7.150 | 635.260 | 7.030 | 635.880 | 7.030 | 635.880 | 6.830 |
| 637.450 | 6.690 | 637.750 | 6.820 | 643.450 | 6.720 | | |
| 30.8 | 0.000 | | | | 178 | 80 128 | 18 159 |
| -35.150 | 6.020 | -33.600 | 6.170 | -32.700 | 7.430 | -27.350 | 7.610 |
| -24.780 | 7.730 | -23.150 | 8.420 | -22.700 | 8.540 | -20.450 | 8.650 |
| -18.200 | 9.440 | -15.000 | 9.610 | -13.830 | 9.790 | -8.850 | 12.140 |
| -8.400 | 12.230 | -6.000 | 12.250 | -3.200 | 12.110 | -2.800 | 12.120 |
| -2.000 | 11.810 | -2.000 | 12.140 | -2.000 | 11.810 | 0.650 | 10.700 |
| 1.380 | 10.260 | 5.300 | 10.100 | 8.620 | 8.310 | 9.250 | 8.160 |
| 12.100 | 7.890 | 20.390 | 5.200 | 22.000 | 4.750 | 26.300 | 4.760 |
| 28.100 | 5.000 | 38.000 | 4.950 | 43.700 | 4.900 | 45.200 | 5.250 |
| 50.750 | 4.910 | 54.200 | 4.160 | 57.000 | 3.780 | 60.450 | 3.680 |
| 63.200 | 3.650 | 63.900 | 3.420 | 71.000 | 2.940 | 72.550 | 3.160 |
| 74.700 | 2.450 | 76.650 | 2.660 | 85.500 | 2.480 | 88.400 | 2.000 |
| 98.000 | 2.150 | 104.300 | 2.130 | 105.800 | 2.430 | 106.650 | 2.910 |
| 109.500 | 2.940 | 113.200 | 4.090 | 120.000 | 4.120 | 127.200 | 4.330 |
| 130.400 | 3.780 | 132.900 | 3.680 | 137.500 | 4.170 | 147.350 | 4.340 |
| 149.600 | 4.240 | 155.000 | 3.060 | 166.700 | 2.990 | 167.550 | 2.160 |
| 168.050 | 2.150 | 168.750 | 2.930 | 178.000 | 3.100 | 188.000 | 3.210 |
| 198.000 | 3.460 | 199.400 | 3.370 | 201.650 | 2.940 | 205.550 | 2.860 |
| 208.350 | 3.130 | 209.700 | 3.520 | 217.900 | 3.860 | 219.450 | 3.490 |
| 222.200 | 3.810 | 227.800 | 3.650 | 230.000 | 3.220 | 230.800 | 3.210 |
| 232.300 | 3.780 | 240.500 | 3.670 | 248.000 | 3.790 | 252.400 | 3.780 |
| 253.080 | 3.110 | 253.080 | 3.280 | 253.080 | 3.110 | 257.080 | 0.610 |
| 260.980 | 0.200 | 263.080 | 0.000 | 268.070 | -0.030 | 273.070 | -0.090 |
| 278.070 | -0.230 | 283.070 | -0.490 | 288.060 | -0.640 | 293.060 | -0.740 |
| 298.060 | -0.840 | 303.060 | -0.890 | 308.060 | -0.940 | 313.050 | -1.010 |
| 318.050 | -1.140 | 323.050 | -1.190 | 328.050 | -1.170 | 333.040 | -1.110 |
| 338.040 | -1.070 | 343.040 | -1.090 | 348.040 | -1.090 | 353.040 | -1.040 |
| 358.030 | -1.000 | 363.030 | -0.930 | 368.030 | -0.960 | 373.030 | -0.900 |
| 378.030 | -0.930 | 383.020 | -0.980 | 388.020 | -1.030 | 393.020 | -1.260 |
| 398.020 | -1.700 | 403.010 | -2.030 | 408.010 | -2.400 | 413.010 | -2.660 |
| 418.010 | -2.800 | 423.010 | -2.830 | 427.200 | -2.420 | 429.600 | 0.220 |
| 433.000 | 1.190 | 434.500 | 2.050 | 435.300 | 2.170 | 435.300 | 2.290 |
| 435.300 | 2.170 | 437.140 | 2.650 | 440.840 | 5.210 | 443.140 | 5.640 |
| 452.440 | 5.570 | 458.240 | 5.360 | 462.040 | 4.900 | 467.240 | 4.930 |
| 476.140 | 4.950 | 480.190 | 5.500 | 487.240 | 5.610 | 497.240 | 5.600 |
| 507.240 | 5.500 | 517.240 | 5.420 | 523.240 | 5.400 | 527.240 | 5.230 |
| 537.240 | 4.560 | 541.240 | 4.480 | 547.240 | 4.430 | 553.640 | 4.450 |
| 556.940 | 4.710 | 560.140 | 4.670 | 560.720 | 4.710 | 566.940 | 4.810 |
| 568.790 | 5.780 | 572.620 | 5.810 | 576.580 | 7.820 | 577.610 | 7.840 |
| 579.890 | 7.990 | 583.640 | 9.830 | 584.640 | 9.880 | 587.240 | 11.150 |
| 587.240 | 11.630 | 587.240 | 11.150 | 588.540 | 11.760 | 589.740 | 12.000 |
| 589.990 | 11.860 | 593.140 | 11.830 | 596.090 | 11.760 | 596.440 | 11.760 |
| 596.590 | 11.580 | 599.790 | 9.930 | 600.640 | 9.770 | 604.140 | 9.590 |
| 605.140 | 9.390 | 614.440 | 5.740 | 620.770 | 5.320 | 625.840 | 3.120 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 627.240 | 2.890 | 627.490 | 2.340 | 628.340 | 2.390 | 628.890 | 2.650 |
| 629.240 | 2.650 | 629.490 | 2.580 | | | | |
| 31.0 | 0.000 | | | | 183 | 87 129 | 46 157 |
| -100.000 | 4.970 | -94.200 | 4.980 | -93.000 | 5.010 | -88.400 | 4.140 |
| -82.000 | 4.150 | -74.250 | 4.170 | -74.000 | 4.460 | -73.600 | 4.540 |
| -73.600 | 3.930 | -72.850 | 3.940 | -72.850 | 4.520 | -71.300 | 5.280 |
| -67.320 | 5.800 | -59.570 | 5.800 | -59.260 | 5.810 | -59.050 | 6.620 |
| -58.400 | 6.990 | -51.700 | 6.990 | -47.450 | 7.130 | -43.470 | 7.100 |
| -43.300 | 7.540 | -40.400 | 7.540 | -40.370 | 7.040 | -40.170 | 6.990 |
| -40.090 | 6.990 | -40.090 | 6.940 | -39.670 | 6.940 | -36.820 | 7.000 |
| -36.300 | 7.010 | -36.100 | 7.130 | -35.200 | 7.730 | -30.400 | 8.050 |
| -27.100 | 8.030 | -22.550 | 8.070 | -22.420 | 8.080 | -22.190 | 8.050 |
| -20.700 | 8.070 | -16.400 | 9.580 | -12.950 | 9.700 | -11.530 | 10.070 |
| -7.510 | 12.100 | -6.950 | 12.280 | -4.000 | 12.370 | -1.200 | 12.290 |
| 0.000 | 11.760 | 0.000 | 12.160 | 0.000 | 11.760 | 1.300 | 11.110 |
| 3.600 | 10.910 | 8.950 | 8.230 | 12.880 | 7.930 | 13.900 | 7.870 |
| 20.120 | 4.810 | 20.950 | 4.800 | 30.000 | 4.860 | 40.000 | 4.950 |
| 50.000 | 4.920 | 53.550 | 4.740 | 60.000 | 4.850 | 70.000 | 4.950 |
| 80.000 | 4.980 | 90.000 | 5.330 | 100.000 | 5.560 | 106.600 | 5.520 |
| 110.850 | 5.470 | 118.400 | 4.850 | 120.200 | 4.130 | 122.750 | 3.840 |
| 131.600 | 3.830 | 134.400 | 4.130 | 140.000 | 3.780 | 150.000 | 3.590 |
| 157.600 | 3.110 | 167.000 | 2.980 | 177.000 | 2.670 | 187.000 | 2.680 |
| 197.000 | 2.780 | 200.000 | 2.770 | 210.000 | 2.780 | 220.000 | 2.820 |
| 224.000 | 2.910 | 227.800 | 2.540 | 232.850 | 3.090 | 240.000 | 3.330 |
| 250.000 | 3.550 | 260.000 | 3.630 | 268.900 | 3.660 | 274.600 | 1.330 |
| 281.400 | 0.880 | 287.680 | 1.330 | 287.680 | 1.440 | 287.680 | 1.330 |
| 289.680 | 1.020 | 303.170 | 0.350 | 310.570 | 0.210 | 312.670 | 0.110 |
| 317.670 | 0.110 | 322.670 | 0.050 | 327.660 | -0.080 | 332.660 | -0.030 |
| 337.660 | 0.010 | 342.660 | -0.280 | 347.660 | -0.430 | 352.650 | -0.400 |
| 357.650 | -0.580 | 362.650 | -0.500 | 367.650 | -0.780 | 372.650 | -0.730 |
| 377.640 | -0.780 | 382.640 | -0.900 | 387.640 | -0.860 | 392.640 | -0.980 |
| 397.640 | -1.280 | 402.630 | -1.360 | 407.630 | -1.300 | 412.630 | -1.230 |
| 417.630 | -1.130 | 422.630 | -1.050 | 427.620 | -1.020 | 432.620 | -0.790 |
| 437.620 | -0.590 | 442.620 | -0.520 | 447.620 | -0.320 | 452.610 | -0.120 |
| 457.610 | 0.050 | 472.910 | 0.230 | 473.610 | 0.540 | 485.600 | 0.770 |
| 498.600 | 1.140 | 502.590 | 1.240 | 514.590 | 1.100 | 527.580 | 0.900 |
| 546.080 | 0.430 | 555.070 | 0.360 | 558.820 | 0.330 | 560.870 | 2.120 |
| 561.070 | 2.320 | 561.270 | 2.420 | 561.270 | 2.530 | 561.270 | 2.420 |
| 564.170 | 2.550 | 572.870 | 3.250 | 579.470 | 3.970 | 585.370 | 4.210 |
| 595.370 | 4.360 | 605.370 | 4.350 | 609.070 | 4.300 | 616.170 | 4.500 |
| 619.870 | 4.650 | 625.310 | 4.740 | 627.520 | 4.940 | 633.600 | 7.860 |
| 634.640 | 7.890 | 638.270 | 8.470 | 640.270 | 8.840 | 645.370 | 11.480 |
| 645.370 | 12.010 | 645.370 | 11.480 | 645.970 | 11.790 | 646.470 | 11.860 |
| 646.620 | 11.790 | 649.570 | 11.780 | 652.770 | 11.720 | 653.070 | 11.680 |
| 654.970 | 10.580 | 657.710 | 10.410 | 657.970 | 9.910 | 661.310 | 9.830 |
| 661.880 | 9.750 | 672.120 | 5.740 | 675.520 | 5.550 | 676.270 | 5.330 |
| 681.170 | 3.330 | 684.070 | 3.150 | 684.320 | 3.230 | 684.490 | 3.020 |
| 684.640 | 3.020 | 684.770 | 2.280 | 685.330 | 2.290 | 685.470 | 3.030 |
| 685.610 | 3.030 | 686.020 | 3.040 | 686.220 | 2.780 | | |
| 31.2 | 0.000 | | | | 183 | 83 133 | 36 160 |
| -100.000 | 5.390 | -92.800 | 5.380 | -92.200 | 5.050 | -84.000 | 4.740 |
| -82.800 | 4.540 | -81.100 | 4.390 | -80.580 | 4.210 | -80.200 | 3.970 |
| -70.000 | 3.950 | -60.000 | 3.980 | -52.700 | 3.950 | -51.800 | 4.340 |
| -50.000 | 4.390 | -49.300 | 4.180 | -48.700 | 3.940 | -37.700 | 3.930 |
| -37.650 | 4.020 | -37.150 | 3.980 | -36.750 | 3.730 | -36.230 | 3.770 |
| -35.910 | 4.340 | -34.600 | 4.540 | -31.950 | 5.650 | -31.500 | 5.700 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| -28.600 | 5.790 | -26.700 | 6.040 | -17.950 | 9.430 | -17.060 | 9.630 |
| -13.650 | 9.770 | -12.800 | 9.930 | -8.110 | 12.240 | -7.700 | 12.330 |
| -5.100 | 12.390 | -1.800 | 12.300 | 0.000 | 11.540 | 0.000 | 12.120 |
| 0.000 | 11.540 | 6.600 | 8.370 | 11.740 | 7.960 | 12.780 | 7.920 |
| 18.470 | 5.110 | 19.390 | 5.080 | 30.000 | 5.070 | 40.000 | 5.070 |
| 50.000 | 5.020 | 52.150 | 4.920 | 60.000 | 5.000 | 70.000 | 5.090 |
| 80.000 | 5.240 | 90.000 | 5.310 | 100.000 | 5.410 | 110.000 | 5.320 |
| 120.000 | 5.390 | 130.000 | 5.440 | 140.000 | 5.410 | 150.000 | 5.450 |
| 156.300 | 5.570 | 158.350 | 5.250 | 170.000 | 5.010 | 180.000 | 4.670 |
| 183.850 | 4.520 | 186.300 | 3.960 | 189.390 | 4.020 | 200.000 | 4.180 |
| 210.000 | 4.180 | 220.000 | 4.230 | 230.000 | 4.250 | 240.000 | 4.060 |
| 245.250 | 4.010 | 250.000 | 3.370 | 254.300 | 3.350 | 258.300 | 2.840 |
| 264.050 | 2.850 | 269.800 | 3.460 | 280.000 | 3.620 | 290.000 | 3.560 |
| 300.000 | 3.490 | 310.000 | 3.530 | 320.000 | 3.220 | 330.000 | 3.150 |
| 340.000 | 2.880 | 341.800 | 2.830 | 343.000 | 2.630 | 343.000 | 2.740 |
| 343.000 | 2.630 | 344.300 | 2.390 | 347.000 | 1.440 | 350.510 | 0.980 |
| 355.210 | 1.040 | 357.410 | 1.350 | 360.810 | 1.510 | 370.220 | 0.210 |
| 373.020 | -0.220 | 378.020 | -0.480 | 383.030 | -0.280 | 388.030 | -0.280 |
| 393.040 | -0.230 | 398.040 | -0.280 | 403.040 | -0.300 | 408.050 | -0.300 |
| 413.050 | -0.280 | 418.050 | -0.280 | 423.060 | -0.230 | 428.060 | -0.260 |
| 433.060 | -0.230 | 438.070 | -0.380 | 443.070 | -0.600 | 448.070 | -1.130 |
| 453.080 | -1.630 | 458.080 | -1.680 | 463.090 | -1.530 | 468.090 | -1.560 |
| 473.090 | -1.730 | 478.100 | -1.860 | 483.100 | -1.770 | 488.100 | -1.750 |
| 493.110 | -1.720 | 498.110 | -1.570 | 503.110 | -1.490 | 508.120 | -1.690 |
| 513.120 | -1.790 | 518.120 | -1.870 | 523.130 | -1.570 | 528.130 | -1.570 |
| 533.130 | -1.420 | 538.140 | -1.320 | 543.140 | -1.420 | 548.150 | -1.220 |
| 553.150 | -1.050 | 558.150 | -0.770 | 563.160 | -0.270 | 566.460 | 0.230 |
| 571.860 | 1.050 | 583.170 | 0.950 | 608.390 | 0.860 | 610.690 | 0.680 |
| 618.850 | 0.640 | 621.980 | 2.170 | 623.980 | 2.260 | 624.200 | 2.360 |
| 624.500 | 2.520 | 624.500 | 2.660 | 624.500 | 2.520 | 631.240 | 2.820 |
| 641.240 | 3.510 | 651.240 | 4.460 | 661.240 | 4.560 | 671.240 | 4.610 |
| 681.240 | 4.490 | 689.540 | 4.540 | 692.840 | 4.850 | 696.940 | 4.870 |
| 701.040 | 4.910 | 703.040 | 4.930 | 709.110 | 7.920 | 710.130 | 7.950 |
| 714.240 | 8.650 | 716.040 | 8.860 | 721.240 | 11.410 | 721.240 | 11.910 |
| 721.240 | 11.410 | 722.140 | 11.770 | 722.640 | 11.700 | 725.440 | 11.770 |
| 728.490 | 11.670 | 728.840 | 11.660 | 730.690 | 10.590 | 732.930 | 10.450 |
| 733.210 | 9.950 | 736.540 | 9.870 | 736.690 | 9.850 | 737.140 | 9.680 |
| 746.740 | 5.830 | 750.640 | 5.560 | 751.440 | 5.450 | 756.390 | 3.450 |
| 759.290 | 3.090 | 759.610 | 2.970 | 759.720 | 2.210 | 760.260 | 2.200 |
| 760.410 | 2.970 | 761.040 | 2.970 | 761.290 | 2.690 | | |
| 31.4 | 0.000 | | | | 198 | 79 132 | 25 170 |
| -40.900 | 3.940 | -40.650 | 4.070 | -39.400 | 4.030 | -38.800 | 3.780 |
| -38.050 | 3.790 | -37.200 | 4.080 | -36.750 | 4.130 | -36.350 | 3.940 |
| -35.800 | 3.910 | -35.480 | 4.390 | -33.850 | 4.650 | -31.120 | 5.710 |
| -30.300 | 5.800 | -27.300 | 5.840 | -26.600 | 5.960 | -17.200 | 9.670 |
| -16.650 | 9.690 | -12.800 | 9.910 | -7.820 | 12.380 | -7.540 | 12.440 |
| -4.900 | 12.480 | -1.800 | 12.380 | -1.100 | 12.170 | 0.000 | 11.520 |
| 0.000 | 12.100 | 0.000 | 11.520 | 6.700 | 8.380 | 12.970 | 8.010 |
| 13.980 | 7.950 | 20.270 | 4.790 | 20.740 | 4.800 | 30.000 | 4.740 |
| 40.000 | 4.720 | 48.600 | 5.100 | 50.000 | 5.050 | 60.000 | 5.270 |
| 70.000 | 5.240 | 80.000 | 5.540 | 90.000 | 5.710 | 100.000 | 5.830 |
| 107.000 | 5.950 | 114.390 | 5.870 | 120.000 | 5.840 | 130.000 | 5.750 |
| 140.000 | 5.670 | 150.000 | 5.710 | 160.000 | 5.740 | 168.000 | 5.460 |
| 172.290 | 5.320 | 180.000 | 4.810 | 190.000 | 4.370 | 193.850 | 4.320 |
| 195.800 | 3.950 | 196.550 | 4.010 | 200.000 | 4.120 | 210.000 | 4.150 |
| 219.050 | 4.080 | 224.050 | 3.430 | 230.000 | 3.280 | 240.000 | 3.360 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 250.000 | 3.260 | 260.000 | 3.180 | 270.000 | 3.070 | 280.000 | 3.030 |
| 290.000 | 3.020 | 300.000 | 3.050 | 301.800 | 3.030 | 302.950 | 2.690 |
| 303.400 | 2.660 | 304.150 | 2.960 | 309.650 | 3.120 | 311.100 | 3.600 |
| 319.380 | 3.560 | 330.000 | 3.550 | 331.700 | 3.540 | 335.900 | 3.580 |
| 338.400 | 3.220 | 344.000 | 2.940 | 350.000 | 2.910 | 353.950 | 2.920 |
| 356.650 | 2.150 | 361.000 | 1.700 | 370.000 | 1.490 | 380.000 | 1.280 |
| 389.120 | 1.080 | 389.120 | 1.200 | 389.120 | 1.080 | 390.620 | 0.980 |
| 392.320 | 0.620 | 394.110 | 0.300 | 399.110 | -0.080 | 404.100 | -0.130 |
| 409.100 | -0.100 | 414.090 | -0.080 | 419.090 | -0.030 | 424.080 | 0.070 |
| 429.080 | 0.070 | 434.070 | 0.120 | 439.070 | 0.070 | 444.060 | 0.020 |
| 449.050 | -0.080 | 454.050 | 0.000 | 459.040 | -0.280 | 464.040 | -0.380 |
| 469.030 | -0.400 | 474.030 | -0.530 | 479.020 | -0.660 | 484.020 | -0.700 |
| 489.010 | -0.960 | 494.010 | -1.030 | 499.000 | -1.180 | 503.990 | -1.200 |
| 508.990 | -1.300 | 513.980 | -1.330 | 518.980 | -1.260 | 523.970 | -1.260 |
| 528.970 | -1.260 | 533.960 | -1.200 | 538.960 | -1.280 | 543.950 | -1.330 |
| 548.950 | -1.230 | 553.940 | -1.180 | 558.940 | -1.130 | 563.930 | -1.090 |
| 568.920 | -1.070 | 573.920 | -0.950 | 578.910 | -0.630 | 583.910 | -0.170 |
| 588.900 | 0.080 | 593.900 | 0.430 | 597.690 | 0.630 | 600.690 | 0.920 |
| 609.180 | 0.710 | 611.880 | 1.000 | 618.380 | 1.010 | 619.830 | 0.380 |
| 620.980 | 0.420 | 622.980 | 1.030 | 629.980 | 1.100 | 636.980 | 0.970 |
| 645.280 | 1.350 | 646.980 | 3.350 | 648.180 | 3.410 | 649.080 | 2.190 |
| 650.030 | 2.110 | 650.530 | 3.460 | 659.980 | 3.280 | 667.880 | 3.430 |
| 669.980 | 4.220 | 671.480 | 5.290 | 674.480 | 5.850 | 679.980 | 5.740 |
| 689.980 | 5.370 | 699.980 | 5.000 | 709.980 | 4.530 | 719.980 | 4.260 |
| 726.180 | 4.250 | 726.780 | 3.970 | 727.380 | 3.960 | 728.230 | 4.830 |
| 728.530 | 4.920 | 736.920 | 5.320 | 741.930 | 7.860 | 744.790 | 8.050 |
| 745.290 | 8.150 | 748.980 | 9.960 | 749.950 | 9.950 | 751.270 | 10.790 |
| 752.730 | 11.580 | 753.280 | 11.590 | 753.980 | 11.320 | 762.280 | 11.410 |
| 763.180 | 11.730 | 763.410 | 11.730 | 766.380 | 11.790 | 769.430 | 11.800 |
| 769.980 | 11.720 | 769.980 | 11.940 | 769.980 | 11.720 | 772.380 | 10.400 |
| 774.420 | 10.300 | 774.720 | 9.790 | 777.980 | 9.730 | 778.110 | 9.720 |
| 778.480 | 9.650 | 786.130 | 6.800 | 786.280 | 6.410 | 786.780 | 6.370 |
| 789.080 | 6.280 | 789.480 | 6.230 | 790.830 | 5.820 | 794.080 | 5.710 |
| 795.280 | 5.450 | 798.930 | 3.320 | 799.980 | 3.290 | 800.580 | 3.210 |
| 801.180 | 2.820 | 809.980 | 2.730 | | | | |
| 31.6 | 0.000 | | | | 194 | 79 143 | 19 167 |
| -46.000 | 1.850 | -42.050 | 2.680 | -42.050 | 3.250 | -42.050 | 3.510 |
| -40.800 | 3.880 | -39.700 | 4.410 | -33.900 | 4.920 | -32.030 | 5.600 |
| -31.640 | 5.690 | -27.350 | 5.910 | -25.930 | 6.340 | -17.850 | 9.580 |
| -17.200 | 9.670 | -14.200 | 9.880 | -13.350 | 10.060 | -8.860 | 12.300 |
| -8.720 | 12.400 | -5.300 | 12.520 | -1.700 | 12.440 | -1.400 | 12.330 |
| 0.000 | 11.440 | 0.000 | 12.000 | 0.000 | 11.440 | 2.460 | 9.990 |
| 3.470 | 9.990 | 6.870 | 8.300 | 7.320 | 8.300 | 7.320 | 8.200 |
| 12.890 | 7.990 | 18.740 | 5.100 | 19.310 | 5.080 | 30.000 | 4.630 |
| 38.000 | 4.140 | 39.600 | 4.160 | 41.500 | 4.340 | 44.500 | 4.380 |
| 50.000 | 4.450 | 60.000 | 4.680 | 65.100 | 4.620 | 70.000 | 4.690 |
| 80.000 | 5.020 | 90.000 | 5.570 | 100.000 | 6.000 | 103.500 | 5.810 |
| 110.000 | 5.310 | 120.000 | 5.260 | 130.000 | 5.170 | 140.000 | 5.090 |
| 149.090 | 5.010 | 156.000 | 4.430 | 160.950 | 4.310 | 170.000 | 4.150 |
| 180.000 | 4.390 | 190.000 | 4.500 | 200.000 | 4.480 | 206.500 | 4.770 |
| 210.000 | 4.780 | 218.200 | 4.030 | 225.000 | 3.530 | 235.000 | 3.300 |
| 239.300 | 2.830 | 250.000 | 2.560 | 252.150 | 2.550 | 254.700 | 3.070 |
| 260.000 | 3.090 | 270.000 | 3.050 | 280.640 | 2.990 | 281.400 | 3.640 |
| 283.100 | 3.230 | 286.150 | 3.810 | 293.800 | 3.780 | 300.000 | 3.870 |
| 310.000 | 3.870 | 317.000 | 4.010 | 321.900 | 3.680 | 330.000 | 3.390 |
| 340.000 | 3.350 | 350.710 | 3.040 | 351.500 | 2.990 | 352.850 | 2.230 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 354.650 | 1.420 | 358.000 | 0.780 | 367.370 | 0.610 | 367.370 | 0.750 |
| 367.370 | 0.600 | 372.370 | 0.080 | 377.370 | -0.120 | 382.370 | -0.270 |
| 387.370 | -0.340 | 392.360 | -0.270 | 397.360 | -0.340 | 402.360 | -0.340 |
| 407.360 | -0.300 | 412.360 | -0.300 | 417.360 | -0.040 | 422.360 | -0.060 |
| 427.360 | -0.160 | 432.360 | -0.160 | 437.360 | -0.190 | 442.350 | -0.260 |
| 447.350 | -0.460 | 452.350 | -0.610 | 457.350 | -0.860 | 462.350 | -1.010 |
| 467.350 | -1.260 | 472.350 | -1.310 | 477.350 | -1.410 | 482.350 | -1.360 |
| 487.350 | -1.210 | 492.340 | -1.010 | 497.340 | -1.010 | 502.340 | -1.110 |
| 507.340 | -1.010 | 512.340 | -0.910 | 517.340 | -0.630 | 522.340 | -0.510 |
| 527.340 | -0.490 | 532.340 | -0.430 | 537.340 | -0.460 | 542.330 | -0.490 |
| 547.330 | -0.090 | 552.330 | 0.040 | 557.330 | 0.090 | 562.330 | 0.040 |
| 567.330 | 0.090 | 570.330 | 0.240 | 572.330 | 0.510 | 575.530 | 0.690 |
| 583.130 | 0.830 | 594.120 | 0.890 | 606.120 | 0.670 | 607.320 | 0.420 |
| 609.720 | 0.450 | 610.620 | 0.600 | 611.120 | 0.960 | 611.820 | 1.220 |
| 611.820 | 1.320 | 611.820 | 1.220 | 613.670 | 2.480 | 618.070 | 2.380 |
| 619.270 | 2.730 | 623.470 | 4.810 | 624.870 | 5.140 | 629.870 | 5.480 |
| 637.870 | 5.070 | 647.870 | 4.360 | 657.870 | 4.360 | 662.070 | 4.530 |
| 664.670 | 4.490 | 666.170 | 4.070 | 676.820 | 4.390 | 677.290 | 4.460 |
| 680.570 | 4.750 | 688.070 | 4.800 | 694.630 | 8.020 | 697.550 | 8.080 |
| 698.010 | 8.190 | 701.700 | 10.040 | 702.700 | 10.050 | 706.420 | 10.240 |
| 706.660 | 10.670 | 707.250 | 10.660 | 707.870 | 11.030 | 707.870 | 11.470 |
| 707.870 | 11.030 | 709.270 | 11.850 | 711.170 | 11.990 | 714.370 | 11.980 |
| 717.270 | 11.950 | 717.870 | 12.030 | 718.130 | 11.880 | 719.970 | 10.920 |
| 721.620 | 10.740 | 721.890 | 10.230 | 725.170 | 10.160 | 725.320 | 10.150 |
| 725.670 | 10.100 | 726.470 | 9.680 | 727.150 | 9.590 | 727.290 | 9.310 |
| 732.220 | 9.250 | 732.470 | 9.200 | 740.570 | 5.910 | 745.470 | 5.670 |
| 751.500 | 3.300 | 754.220 | 3.120 | 754.370 | 3.110 | 754.570 | 3.110 |
| 754.570 | 2.060 | 755.670 | 2.060 | 755.670 | 3.230 | 755.870 | 3.230 |
| 756.070 | 3.210 | 756.620 | 2.840 | | | | |
| 31.8 | 0.000 | | | | 174 | 80 130 | 23 148 |
| -100.000 | 6.070 | -90.000 | 5.960 | -80.000 | 5.950 | -70.000 | 5.960 |
| -60.000 | 6.000 | -50.000 | 6.000 | -40.000 | 6.040 | -35.020 | 6.160 |
| -34.810 | 6.160 | -34.810 | 5.790 | -34.250 | 5.800 | -33.850 | 5.850 |
| -29.740 | 6.000 | -29.500 | 6.480 | -29.080 | 6.480 | -28.100 | 6.570 |
| -20.300 | 9.660 | -19.650 | 9.740 | -15.850 | 9.930 | -10.620 | 12.570 |
| -10.450 | 12.680 | -7.300 | 12.730 | -2.050 | 12.580 | -1.500 | 12.420 |
| 0.000 | 11.610 | 0.000 | 12.090 | 0.000 | 11.610 | 2.730 | 10.030 |
| 3.740 | 10.030 | 7.140 | 8.340 | 7.590 | 8.330 | 13.150 | 8.050 |
| 18.480 | 5.420 | 27.000 | 5.310 | 38.740 | 5.120 | 47.000 | 5.100 |
| 55.000 | 5.080 | 60.000 | 5.030 | 70.000 | 4.840 | 80.000 | 4.860 |
| 90.000 | 5.150 | 96.700 | 5.430 | 100.000 | 5.440 | 106.700 | 5.200 |
| 108.500 | 5.200 | 110.550 | 5.000 | 119.500 | 4.810 | 120.600 | 4.710 |
| 122.100 | 4.220 | 127.300 | 3.440 | 130.000 | 3.280 | 140.000 | 3.270 |
| 150.000 | 3.430 | 160.000 | 3.360 | 170.000 | 3.300 | 180.000 | 3.100 |
| 190.000 | 3.150 | 200.000 | 3.220 | 210.000 | 3.220 | 220.000 | 3.320 |
| 230.000 | 3.270 | 240.000 | 3.300 | 250.000 | 3.290 | 260.000 | 3.330 |
| 269.350 | 3.430 | 270.000 | 3.500 | 277.800 | 3.510 | 282.500 | 3.360 |
| 284.650 | 1.970 | 290.000 | 1.780 | 297.800 | 1.820 | 298.200 | 2.060 |
| 306.000 | 1.760 | 307.800 | 1.980 | 316.000 | 1.890 | 320.000 | 1.570 |
| 330.000 | 1.500 | 340.000 | 1.510 | 348.700 | 1.560 | 356.680 | 1.180 |
| 358.180 | 1.100 | 361.180 | 0.730 | 361.680 | 0.630 | 366.690 | -0.320 |
| 371.690 | -0.920 | 376.690 | -1.470 | 381.700 | -1.620 | 386.700 | -1.850 |
| 391.700 | -1.870 | 396.710 | -1.720 | 401.710 | -1.720 | 406.710 | -1.590 |
| 411.720 | -0.470 | 416.720 | -0.490 | 421.720 | -0.460 | 426.730 | -0.480 |
| 431.730 | -0.460 | 436.730 | -0.510 | 441.740 | -0.510 | 446.740 | -0.510 |
| 451.740 | -0.440 | 456.750 | -0.360 | 461.750 | -0.210 | 466.750 | -0.010 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 471.760 | -0.060 | 476.760 | 0.040 | 481.760 | 0.120 | 486.770 | 0.090 |
| 491.770 | 0.140 | 496.770 | 0.140 | 501.780 | 0.190 | 506.780 | 0.190 |
| 511.780 | 0.140 | 516.790 | -0.030 | 521.790 | -0.150 | 526.790 | -0.330 |
| 531.800 | -0.400 | 536.800 | -0.450 | 541.800 | -0.570 | 546.810 | -0.630 |
| 551.810 | -0.550 | 556.810 | -0.250 | 561.820 | 0.450 | 563.420 | 0.750 |
| 566.010 | 1.350 | 567.730 | 2.020 | 573.930 | 2.840 | 578.280 | 4.020 |
| 581.330 | 5.430 | 584.530 | 5.750 | 594.530 | 5.560 | 604.530 | 5.090 |
| 614.530 | 4.860 | 624.530 | 4.730 | 634.530 | 4.410 | 638.330 | 4.150 |
| 640.530 | 4.140 | 650.480 | 4.280 | 659.850 | 4.640 | 662.850 | 4.610 |
| 669.950 | 8.130 | 673.330 | 8.200 | 674.080 | 8.560 | 677.590 | 8.620 |
| 680.550 | 10.050 | 681.550 | 10.050 | 684.530 | 11.820 | 684.530 | 12.340 |
| 684.530 | 11.820 | 685.030 | 12.000 | 685.880 | 12.040 | 689.130 | 12.140 |
| 692.430 | 12.070 | 693.230 | 11.950 | 695.680 | 10.780 | 696.140 | 10.740 |
| 696.880 | 10.660 | 697.160 | 10.140 | 700.380 | 10.060 | 700.530 | 10.060 |
| 700.910 | 10.020 | 710.830 | 6.060 | 715.380 | 5.830 | 719.560 | 4.130 |
| 721.530 | 3.430 | 724.230 | 3.280 | 724.340 | 3.360 | 724.540 | 3.360 |
| 724.540 | 2.320 | 725.640 | 2.320 | 725.640 | 3.360 | 725.840 | 3.360 |
| 726.730 | 3.420 | 727.830 | 3.950 | | | | |
| 32.0 | 0.000 | | | | 192 | 86 138 | 18 171 |
| -46.460 | 5.380 | -46.460 | 6.110 | -46.250 | 6.110 | -40.000 | 6.210 |
| -36.830 | 6.210 | -31.400 | 5.920 | -30.800 | 5.940 | -26.290 | 6.080 |
| -26.040 | 6.560 | -25.630 | 6.570 | -24.800 | 6.640 | -16.830 | 9.750 |
| -16.250 | 9.830 | -12.700 | 10.020 | -7.260 | 12.530 | -7.060 | 12.640 |
| -4.300 | 12.650 | -1.600 | 12.620 | 1.000 | 11.390 | 1.000 | 11.930 |
| 1.000 | 11.390 | 6.000 | 8.770 | 6.650 | 8.560 | 9.730 | 8.280 |
| 10.400 | 8.130 | 14.700 | 6.800 | 15.850 | 6.800 | 16.730 | 6.310 |
| 20.000 | 6.180 | 22.550 | 5.300 | 23.730 | 5.290 | 31.000 | 4.920 |
| 41.000 | 5.030 | 51.000 | 5.280 | 54.500 | 5.440 | 56.000 | 5.890 |
| 61.000 | 6.060 | 65.600 | 6.210 | 67.400 | 5.870 | 70.100 | 5.790 |
| 71.000 | 6.220 | 75.000 | 5.870 | 82.400 | 5.710 | 84.650 | 5.650 |
| 85.700 | 5.570 | 87.800 | 4.980 | 89.700 | 4.720 | 95.900 | 4.450 |
| 99.200 | 4.320 | 101.000 | 3.880 | 104.900 | 4.010 | 106.300 | 3.040 |
| 106.550 | 3.030 | 107.450 | 3.390 | 112.200 | 3.690 | 115.600 | 3.650 |
| 117.700 | 3.120 | 123.400 | 3.020 | 127.850 | 3.100 | 128.750 | 3.460 |
| 136.000 | 3.430 | 141.000 | 3.410 | 151.000 | 3.240 | 156.800 | 3.230 |
| 159.900 | 3.380 | 162.500 | 3.350 | 168.700 | 2.600 | 178.000 | 2.610 |
| 188.000 | 2.520 | 192.400 | 2.550 | 193.500 | 2.910 | 195.300 | 2.660 |
| 197.200 | 3.240 | 201.000 | 3.310 | 211.000 | 3.220 | 221.000 | 3.140 |
| 231.000 | 3.230 | 241.000 | 3.280 | 251.000 | 3.450 | 261.000 | 3.400 |
| 271.000 | 3.410 | 281.000 | 3.320 | 291.000 | 3.250 | 301.000 | 3.100 |
| 309.000 | 3.020 | 317.730 | 2.750 | 318.450 | 2.730 | 321.400 | 1.020 |
| 328.150 | 0.870 | 328.150 | 1.000 | 328.150 | 0.870 | 330.850 | 0.750 |
| 333.160 | 0.360 | 335.160 | -0.250 | 338.160 | -0.770 | 343.170 | -1.070 |
| 348.170 | -1.030 | 353.180 | -1.000 | 358.190 | -1.190 | 363.190 | -1.090 |
| 368.200 | -1.020 | 373.200 | -1.040 | 378.210 | -0.920 | 383.220 | -1.140 |
| 388.220 | -1.120 | 393.230 | -0.920 | 398.230 | -0.490 | 403.240 | -0.220 |
| 408.250 | -0.160 | 413.250 | -0.420 | 418.260 | -0.640 | 423.260 | -0.790 |
| 428.270 | -0.940 | 433.280 | -1.140 | 438.280 | -1.290 | 443.290 | -1.290 |
| 448.300 | -1.340 | 453.300 | -1.320 | 458.310 | -1.320 | 463.310 | -1.340 |
| 468.320 | -1.440 | 473.330 | -1.260 | 478.330 | -1.140 | 483.340 | -1.020 |
| 488.340 | -0.940 | 493.350 | -0.960 | 498.360 | -1.040 | 503.360 | -1.060 |
| 508.370 | -0.990 | 513.370 | -0.840 | 514.170 | -0.730 | 515.680 | 0.210 |
| 516.480 | 0.760 | 517.180 | 1.070 | 517.980 | 2.240 | 518.390 | 2.400 |
| 521.620 | 4.060 | 524.920 | 4.950 | 527.720 | 5.310 | 530.120 | 5.390 |
| 540.120 | 5.720 | 550.120 | 5.520 | 560.120 | 5.280 | 570.120 | 5.110 |
| 580.120 | 4.970 | 583.420 | 4.940 | 585.370 | 4.870 | 590.120 | 4.840 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 600.120 | 4.800 | 608.420 | 4.750 | 613.120 | 4.680 | 623.120 | 4.640 |
| 633.120 | 4.690 | 643.120 | 4.190 | 651.720 | 4.080 | 661.020 | 4.430 |
| 664.220 | 4.490 | 666.420 | 4.520 | 677.020 | 4.500 | 678.820 | 4.890 |
| 683.130 | 4.930 | 684.280 | 5.050 | 690.440 | 8.090 | 693.340 | 8.150 |
| 693.790 | 8.240 | 697.470 | 10.060 | 698.460 | 10.060 | 700.120 | 11.100 |
| 700.120 | 11.610 | 700.120 | 11.100 | 701.520 | 11.920 | 704.720 | 12.060 |
| 708.420 | 12.290 | 711.920 | 12.250 | 712.330 | 12.150 | 716.620 | 9.750 |
| 717.670 | 9.660 | 717.950 | 9.130 | 721.170 | 9.090 | 721.290 | 9.080 |
| 722.020 | 8.890 | 734.420 | 4.240 | 738.020 | 3.920 | 739.420 | 3.400 |
| 740.620 | 3.330 | 740.920 | 3.280 | 740.920 | 2.220 | 742.030 | 2.220 |
| 742.030 | 3.260 | 742.170 | 3.260 | 742.620 | 3.130 | 743.220 | 2.650 |
| 32.2 | 0.000 | | | | 178 | 65.114 | 19.157 |
| -46.550 | 6.200 | -41.450 | 6.200 | -41.350 | 6.730 | -30.300 | 7.130 |
| -29.900 | 7.070 | -29.850 | 6.610 | -29.740 | 6.610 | -28.970 | 6.640 |
| -24.310 | 6.700 | -24.080 | 7.170 | -23.670 | 7.170 | -22.700 | 7.200 |
| -16.000 | 9.840 | -11.750 | 10.070 | -7.700 | 11.930 | -7.020 | 12.570 |
| -6.900 | 12.650 | -4.000 | 12.750 | -0.600 | 12.680 | 2.000 | 11.380 |
| 2.000 | 11.860 | 2.000 | 11.380 | 7.930 | 8.530 | 11.300 | 8.210 |
| 20.590 | 4.970 | 22.300 | 4.780 | 24.700 | 4.760 | 26.200 | 4.960 |
| 32.000 | 5.070 | 42.000 | 5.270 | 52.000 | 5.580 | 62.000 | 4.990 |
| 68.700 | 4.860 | 74.200 | 4.610 | 74.800 | 4.920 | 75.400 | 4.810 |
| 76.900 | 3.740 | 82.800 | 2.940 | 92.000 | 3.050 | 102.000 | 3.160 |
| 112.000 | 3.370 | 122.850 | 3.740 | 132.000 | 3.740 | 139.900 | 3.640 |
| 148.000 | 3.460 | 152.000 | 3.320 | 162.000 | 3.020 | 172.000 | 2.860 |
| 177.100 | 2.600 | 187.000 | 2.720 | 195.000 | 2.800 | 202.000 | 2.970 |
| 209.000 | 2.940 | 214.200 | 3.170 | 219.500 | 3.310 | 220.700 | 3.800 |
| 230.000 | 3.940 | 232.000 | 3.850 | 236.450 | 3.910 | 238.350 | 4.230 |
| 242.000 | 4.200 | 252.000 | 4.250 | 258.000 | 4.210 | 263.160 | 3.980 |
| 264.000 | 3.940 | 269.200 | 1.930 | 275.600 | 1.590 | 281.750 | 1.310 |
| 281.750 | 1.440 | 281.750 | 1.310 | 282.450 | 1.320 | 283.600 | 0.760 |
| 286.250 | -0.290 | 286.750 | -0.540 | 291.760 | -1.890 | 296.760 | -2.120 |
| 301.760 | -1.990 | 306.770 | -0.490 | 311.770 | -0.590 | 316.770 | -0.520 |
| 321.780 | -0.740 | 326.780 | -0.590 | 331.780 | -0.640 | 336.780 | -0.720 |
| 341.790 | -0.560 | 346.790 | -1.360 | 351.790 | -0.790 | 356.800 | -0.290 |
| 361.800 | -0.040 | 366.800 | -0.640 | 371.810 | -2.120 | 376.810 | -1.980 |
| 381.810 | -1.750 | 386.820 | -2.910 | 391.820 | -3.280 | 396.820 | -3.310 |
| 401.830 | -2.650 | 406.830 | -2.980 | 411.830 | -4.030 | 416.840 | -3.930 |
| 421.840 | -3.910 | 426.840 | -3.930 | 431.850 | -3.610 | 436.850 | -3.630 |
| 441.850 | -3.250 | 446.850 | -1.850 | 451.860 | -1.830 | 456.860 | -2.210 |
| 461.860 | -2.380 | 463.570 | -2.730 | 466.870 | -0.350 | 468.670 | 0.770 |
| 470.470 | 1.670 | 475.720 | 5.890 | 484.370 | 6.510 | 492.370 | 6.340 |
| 500.770 | 6.400 | 502.570 | 6.780 | 503.370 | 6.730 | 504.570 | 6.120 |
| 506.370 | 6.230 | 516.370 | 6.260 | 526.370 | 6.110 | 536.370 | 5.940 |
| 546.370 | 5.810 | 556.370 | 5.750 | 561.370 | 5.690 | 571.370 | 5.710 |
| 579.170 | 5.650 | 585.470 | 5.590 | 592.470 | 5.540 | 594.470 | 5.510 |
| 601.970 | 5.410 | 606.370 | 5.400 | 616.370 | 5.260 | 626.370 | 5.280 |
| 636.370 | 5.060 | 646.370 | 5.080 | 656.370 | 5.180 | 666.370 | 5.350 |
| 671.370 | 5.270 | 673.070 | 4.820 | 674.670 | 4.100 | 675.670 | 3.950 |
| 683.660 | 4.420 | 687.870 | 4.560 | 689.040 | 4.830 | 695.460 | 7.890 |
| 698.410 | 7.920 | 698.410 | 8.030 | 698.880 | 8.030 | 702.610 | 9.840 |
| 703.610 | 9.810 | 706.370 | 11.480 | 706.370 | 11.990 | 706.370 | 11.480 |
| 707.570 | 12.190 | 711.270 | 12.620 | 714.470 | 12.250 | 715.670 | 11.960 |
| 720.620 | 11.830 | 723.570 | 12.040 | 726.520 | 12.070 | 727.050 | 11.950 |
| 731.070 | 9.970 | 732.970 | 9.830 | 733.270 | 9.330 | 736.520 | 9.260 |
| 736.620 | 9.270 | 736.870 | 9.230 | 740.070 | 8.090 | 740.620 | 8.050 |
| 740.970 | 7.360 | 742.670 | 7.260 | 748.270 | 4.730 | 749.420 | 4.480 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 752.640 | 4.260 | 755.170 | 3.440 | | 197 | 73 118 | 20 165 |
| 32.4 | 0.000 | | | | | | |
| -43.400 | 6.600 | -34.300 | 6.640 | -34.150 | 7.210 | -33.430 | 7.250 |
| -32.880 | 7.200 | -32.700 | 6.630 | -32.130 | 6.630 | -28.610 | 6.770 |
| -28.090 | 7.750 | -27.670 | 7.740 | -26.850 | 7.810 | -22.000 | 9.920 |
| -18.500 | 9.990 | -17.900 | 10.270 | -13.420 | 12.360 | -12.900 | 12.470 |
| -10.400 | 12.500 | -6.800 | 12.570 | -1.900 | 12.550 | -1.100 | 12.380 |
| 1.000 | 11.320 | 1.000 | 11.830 | 1.000 | 11.320 | 3.050 | 10.140 |
| 6.250 | 9.800 | 9.200 | 8.380 | 12.340 | 8.150 | 21.050 | 5.320 |
| 22.270 | 5.100 | 23.850 | 5.060 | 31.000 | 4.980 | 36.500 | 4.870 |
| 40.800 | 4.580 | 41.800 | 4.680 | 47.400 | 4.530 | 48.150 | 4.650 |
| 51.000 | 3.680 | 53.500 | 3.170 | 61.000 | 3.350 | 71.000 | 3.400 |
| 81.000 | 3.430 | 91.000 | 3.440 | 101.000 | 3.490 | 111.000 | 3.410 |
| 121.000 | 3.400 | 131.470 | 3.560 | 141.000 | 3.590 | 145.000 | 3.600 |
| 148.000 | 3.520 | 151.000 | 3.700 | 154.500 | 3.640 | 161.000 | 4.090 |
| 171.000 | 4.170 | 181.000 | 4.260 | 186.600 | 4.960 | 191.250 | 4.590 |
| 200.150 | 4.440 | 201.000 | 4.250 | 206.150 | 2.810 | 210.350 | 2.820 |
| 217.000 | 2.400 | 219.100 | 3.030 | 223.000 | 3.110 | 224.750 | 3.450 |
| 227.700 | 3.200 | 230.600 | 3.880 | 236.000 | 3.990 | 246.000 | 4.370 |
| 253.000 | 4.440 | 256.500 | 4.580 | 257.800 | 5.000 | 259.980 | 5.030 |
| 260.900 | 4.920 | 266.000 | 1.340 | 266.000 | 1.450 | 266.000 | 1.340 |
| 269.900 | 0.750 | 271.010 | 0.680 | 276.010 | 0.430 | 281.020 | 0.250 |
| 286.020 | 0.150 | 291.030 | 0.150 | 296.040 | 0.150 | 301.040 | 0.000 |
| 306.050 | -0.100 | 311.060 | -0.230 | 316.060 | -0.300 | 321.070 | -0.270 |
| 326.070 | -0.300 | 331.080 | -0.250 | 336.090 | -0.250 | 341.090 | -0.270 |
| 346.100 | -0.200 | 351.110 | -0.240 | 356.110 | -0.160 | 361.120 | -0.190 |
| 366.120 | -0.190 | 371.130 | -0.190 | 376.140 | -0.240 | 381.140 | -0.290 |
| 386.150 | -0.340 | 391.160 | -0.560 | 396.160 | -0.640 | 401.170 | -0.690 |
| 406.170 | -0.840 | 411.180 | -1.140 | 416.190 | -1.440 | 421.190 | -1.590 |
| 426.200 | -1.460 | 431.210 | -1.160 | 436.210 | -0.860 | 441.220 | -0.840 |
| 446.220 | -1.090 | 448.930 | 0.760 | 450.130 | 1.310 | 450.730 | 1.960 |
| 451.760 | 3.070 | 453.960 | 4.160 | 456.460 | 4.090 | 457.960 | 4.460 |
| 463.860 | 4.600 | 468.560 | 2.730 | 473.260 | 0.930 | 474.260 | 0.540 |
| 476.810 | 0.620 | 478.960 | 1.600 | 483.960 | 2.900 | 491.660 | 5.120 |
| 495.960 | 5.170 | 505.960 | 5.310 | 512.960 | 5.460 | 521.460 | 5.450 |
| 525.260 | 4.900 | 529.960 | 4.700 | 537.060 | 4.440 | 540.960 | 3.880 |
| 545.960 | 3.790 | 553.760 | 3.850 | 555.960 | 4.170 | 565.960 | 4.190 |
| 574.160 | 4.210 | 577.660 | 3.250 | 578.760 | 3.260 | 581.660 | 4.290 |
| 588.960 | 4.240 | 596.560 | 4.500 | 598.510 | 5.150 | 605.960 | 5.650 |
| 612.160 | 5.580 | 615.160 | 4.130 | 617.960 | 4.270 | 625.560 | 4.590 |
| 633.460 | 4.880 | 635.060 | 4.920 | 641.630 | 8.060 | 644.550 | 8.060 |
| 644.550 | 8.160 | 645.000 | 8.160 | 648.660 | 9.990 | 649.680 | 10.000 |
| 650.610 | 10.590 | 654.210 | 10.630 | 654.480 | 11.090 | 655.460 | 11.290 |
| 655.960 | 11.620 | 655.960 | 12.080 | 655.960 | 11.620 | 657.160 | 12.250 |
| 658.860 | 12.550 | 660.560 | 12.670 | 662.760 | 12.460 | 665.310 | 12.130 |
| 668.160 | 12.230 | 671.060 | 12.170 | 672.910 | 11.220 | 676.010 | 11.140 |
| 676.310 | 11.020 | 679.160 | 9.340 | 680.710 | 9.220 | 680.980 | 8.710 |
| 683.810 | 8.670 | 683.910 | 8.780 | 684.040 | 8.660 | 684.190 | 8.650 |
| 684.410 | 8.660 | 684.710 | 8.580 | 687.460 | 7.370 | 688.070 | 7.360 |
| 688.310 | 6.870 | 691.360 | 6.820 | 691.860 | 6.640 | 692.810 | 6.570 |
| 692.810 | 6.270 | 693.110 | 6.270 | 693.110 | 6.570 | 693.210 | 6.600 |
| 700.960 | 6.590 | | | | | | |
| 32.6 | 0.000 | | | | 176 | 61 123 | 25 158 |
| -100.000 | 4.720 | -97.800 | 4.740 | -92.100 | 4.840 | -91.650 | 3.490 |
| -91.850 | 3.690 | -91.850 | 4.280 | -91.650 | 4.470 | -88.400 | 4.470 |
| -88.200 | 4.270 | -88.200 | 3.660 | -88.400 | 3.490 | -87.900 | 4.840 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| -80.000 | 4.660 | -60.000 | 4.760 | -45.950 | 5.100 | -41.500 | 5.390 |
| -36.200 | 5.640 | -31.300 | 5.780 | -29.100 | 5.860 | -20.200 | 9.310 |
| -16.100 | 9.660 | -10.090 | 12.410 | -6.000 | 12.720 | -1.600 | 12.560 |
| 0.000 | 11.650 | 0.000 | 12.430 | 0.000 | 11.650 | 2.400 | 10.300 |
| 3.350 | 10.300 | 7.020 | 8.460 | 7.500 | 8.460 | 10.480 | 8.280 |
| 17.100 | 5.080 | 29.100 | 4.680 | 49.000 | 4.720 | 49.700 | 4.830 |
| 54.500 | 4.830 | 55.000 | 4.650 | 57.000 | 4.410 | 68.000 | 4.200 |
| 77.000 | 4.030 | 80.000 | 3.420 | 87.000 | 3.540 | 100.000 | 4.120 |
| 110.000 | 4.100 | 125.000 | 3.750 | 138.000 | 3.880 | 150.000 | 4.080 |
| 155.150 | 4.200 | 167.000 | 4.160 | 168.200 | 3.820 | 171.300 | 3.590 |
| 173.300 | 2.070 | 181.000 | 2.190 | 188.800 | 2.590 | 192.700 | 4.500 |
| 196.500 | 5.120 | 200.000 | 5.330 | 213.000 | 4.770 | 222.000 | 4.810 |
| 225.200 | 5.090 | 231.090 | 1.520 | 231.090 | 1.720 | 231.090 | 1.520 |
| 234.090 | 0.970 | 238.490 | 0.730 | 241.090 | 0.610 | 243.590 | 0.430 |
| 246.080 | 0.430 | 251.080 | 0.180 | 256.080 | 0.130 | 261.080 | 0.080 |
| 266.080 | 0.020 | 271.070 | 0.140 | 276.070 | 0.270 | 281.070 | 0.170 |
| 283.770 | 0.120 | 286.070 | 0.640 | 286.570 | 0.720 | 289.070 | 0.750 |
| 291.070 | 0.760 | 292.370 | 0.710 | 296.060 | 0.630 | 301.060 | -0.030 |
| 306.060 | 0.110 | 311.060 | -0.240 | 316.060 | -0.340 | 321.050 | -0.640 |
| 326.050 | -0.780 | 331.050 | -0.900 | 336.050 | -0.880 | 341.050 | -0.760 |
| 346.050 | -0.730 | 351.040 | -0.780 | 356.040 | -0.300 | 361.040 | -0.030 |
| 366.040 | 0.220 | 371.040 | 0.070 | 376.030 | -0.160 | 381.030 | -0.380 |
| 386.030 | -0.580 | 391.030 | -0.630 | 396.030 | -0.680 | 401.020 | -0.830 |
| 406.020 | -0.900 | 411.020 | -0.930 | 416.020 | -1.030 | 421.020 | -1.100 |
| 426.010 | -1.230 | 431.010 | -0.380 | 433.510 | 0.530 | 434.810 | 0.720 |
| 435.610 | 0.870 | 435.610 | 0.990 | 435.610 | 0.870 | 436.940 | 1.260 |
| 440.540 | 4.140 | 443.040 | 4.330 | 448.640 | 4.460 | 450.920 | 5.140 |
| 451.640 | 5.390 | 454.640 | 5.410 | 455.440 | 5.820 | 463.540 | 5.990 |
| 473.540 | 6.010 | 483.540 | 5.900 | 495.540 | 5.880 | 510.540 | 5.750 |
| 518.940 | 5.360 | 519.740 | 5.010 | 521.140 | 4.900 | 523.540 | 3.970 |
| 525.740 | 2.690 | 527.140 | 1.220 | 529.740 | 0.990 | 531.540 | 1.130 |
| 533.940 | 2.990 | 538.240 | 5.170 | 544.390 | 5.470 | 553.540 | 5.700 |
| 563.540 | 5.840 | 573.540 | 5.870 | 583.540 | 6.060 | 593.540 | 6.180 |
| 605.540 | 6.260 | 612.670 | 6.270 | 614.140 | 6.400 | 614.690 | 6.530 |
| 618.040 | 8.190 | 620.940 | 8.280 | 620.940 | 8.380 | 621.390 | 8.380 |
| 625.140 | 10.180 | 626.140 | 10.180 | 628.140 | 11.430 | 632.040 | 11.560 |
| 632.290 | 12.040 | 633.040 | 12.060 | 633.540 | 12.330 | 633.540 | 12.790 |
| 633.540 | 12.330 | 634.040 | 12.570 | 637.040 | 12.930 | 640.700 | 12.570 |
| 643.240 | 11.100 | 647.940 | 10.720 | 650.840 | 8.830 | 652.040 | 8.580 |
| 659.740 | 8.700 | 660.140 | 8.500 | 667.440 | 8.560 | 668.920 | 8.620 |
| 678.190 | 5.070 | 678.190 | 4.770 | 678.490 | 4.770 | 678.490 | 5.070 |
| 32.8 | 0.000 | | | | 176 | 68.122 | 41.155 |
| -100.000 | 4.010 | -95.700 | 3.990 | -94.800 | 4.800 | -94.600 | 4.840 |
| -94.190 | 4.860 | -91.200 | 4.830 | -90.800 | 4.800 | -90.300 | 3.540 |
| -90.200 | 3.540 | -90.200 | 3.400 | -87.200 | 3.430 | -87.200 | 3.560 |
| -87.100 | 3.560 | -86.800 | 4.800 | -86.400 | 4.830 | -83.000 | 4.840 |
| -81.700 | 3.960 | -80.500 | 3.880 | -49.400 | 4.050 | -48.300 | 5.060 |
| -46.000 | 5.220 | -43.500 | 5.290 | -43.400 | 5.300 | -43.400 | 5.000 |
| -43.100 | 5.000 | -43.100 | 5.300 | -36.500 | 5.460 | -34.900 | 6.660 |
| -31.900 | 7.110 | -28.900 | 8.640 | -25.000 | 8.810 | -22.200 | 8.920 |
| -21.000 | 8.970 | -19.600 | 9.470 | -16.700 | 10.120 | -14.100 | 10.370 |
| -8.480 | 12.750 | -5.000 | 12.910 | -1.600 | 12.710 | 0.000 | 11.800 |
| 0.000 | 12.690 | 0.000 | 11.800 | 2.500 | 10.340 | 3.500 | 10.320 |
| 7.160 | 8.490 | 7.600 | 8.490 | 9.550 | 8.290 | 16.200 | 5.540 |
| 28.000 | 5.220 | 43.000 | 5.150 | 45.600 | 5.430 | 51.400 | 5.370 |
| 52.000 | 5.190 | 66.400 | 5.060 | 81.300 | 4.760 | 88.000 | 4.030 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 101.500 | 3.650 | 103.000 | 2.960 | 107.700 | 2.740 | 111.300 | 3.420 |
| 123.000 | 4.180 | 133.000 | 4.260 | 150.000 | 3.850 | 158.000 | 4.080 |
| 172.000 | 4.110 | 188.010 | 4.340 | 193.000 | 4.170 | 197.800 | 3.800 |
| 200.700 | 2.840 | 202.540 | 1.140 | 202.540 | 1.280 | 202.540 | 1.140 |
| 204.340 | 0.670 | 207.550 | 0.150 | 212.550 | 0.020 | 217.560 | -0.130 |
| 222.570 | -0.280 | 227.570 | -0.280 | 232.580 | -0.230 | 237.590 | -0.280 |
| 242.590 | -0.250 | 247.600 | -0.250 | 252.600 | -0.280 | 257.610 | -0.280 |
| 262.620 | -0.250 | 267.620 | -0.180 | 272.630 | -0.180 | 277.640 | -0.130 |
| 282.640 | -0.080 | 287.650 | -0.130 | 292.660 | -0.130 | 297.660 | -0.130 |
| 302.670 | -0.210 | 307.680 | -0.240 | 312.680 | -0.360 | 317.690 | -0.340 |
| 322.690 | -0.420 | 327.700 | -0.440 | 332.710 | -0.460 | 337.710 | -0.460 |
| 342.720 | -0.390 | 347.730 | -0.340 | 352.730 | -0.290 | 357.740 | -0.220 |
| 362.750 | -0.140 | 367.750 | -0.120 | 372.760 | -0.020 | 377.770 | -0.090 |
| 382.770 | -0.460 | 387.780 | -0.840 | 392.780 | -0.690 | 397.790 | -0.490 |
| 402.800 | -0.330 | 403.800 | -0.150 | 405.200 | 0.650 | 406.200 | 1.310 |
| 407.200 | 2.830 | 411.810 | 5.820 | 412.430 | 5.990 | 412.430 | 6.150 |
| 412.430 | 5.990 | 414.090 | 6.310 | 420.390 | 6.690 | 430.390 | 6.640 |
| 440.390 | 6.520 | 450.390 | 6.270 | 460.390 | 6.120 | 470.390 | 5.950 |
| 480.390 | 5.910 | 490.390 | 5.850 | 500.390 | 5.750 | 510.390 | 5.700 |
| 518.730 | 5.880 | 521.190 | 5.710 | 525.490 | 3.570 | 528.690 | 2.330 |
| 528.990 | 1.520 | 532.190 | 1.720 | 537.090 | 5.540 | 546.090 | 5.720 |
| 546.990 | 5.580 | 550.390 | 5.550 | 558.390 | 5.260 | 564.390 | 5.240 |
| 570.390 | 5.570 | 580.390 | 5.550 | 584.090 | 5.370 | 584.540 | 5.400 |
| 590.240 | 8.130 | 593.140 | 8.080 | 593.590 | 8.170 | 597.290 | 10.070 |
| 598.290 | 10.050 | 600.390 | 11.330 | 600.390 | 11.880 | 600.390 | 11.330 |
| 600.990 | 11.590 | 602.090 | 11.710 | 611.790 | 11.950 | 611.890 | 12.050 |
| 617.590 | 12.120 | 618.250 | 12.040 | 622.290 | 9.650 | 623.690 | 9.510 |
| 623.940 | 9.000 | 627.140 | 8.920 | 627.540 | 8.880 | 632.840 | 6.730 |
| 633.090 | 6.330 | 635.890 | 6.260 | 638.190 | 5.320 | 639.140 | 5.260 |
| 639.140 | 4.960 | 639.440 | 4.960 | 639.440 | 5.260 | 639.590 | 5.260 |
| 33.0 | 0.000 | | | | 173 | 60 121 | 40 152 |
| -100.000 | 6.640 | -80.000 | 6.670 | -78.150 | 5.540 | -78.150 | 5.160 |
| -77.750 | 5.160 | -77.750 | 5.540 | -72.370 | 5.720 | -72.000 | 5.700 |
| -71.650 | 5.700 | -71.100 | 3.550 | -71.000 | 3.550 | -68.300 | 3.540 |
| -68.200 | 3.540 | -67.450 | 5.730 | -67.100 | 5.740 | -60.600 | 5.590 |
| -50.000 | 5.590 | -44.200 | 5.560 | -40.500 | 5.560 | -37.700 | 5.610 |
| -32.170 | 5.780 | -32.170 | 5.940 | -31.980 | 5.740 | -31.980 | 5.940 |
| -31.980 | 5.740 | -31.900 | 5.740 | -31.900 | 5.450 | -31.600 | 5.450 |
| -31.600 | 5.740 | -30.200 | 6.130 | -27.500 | 6.300 | -17.900 | 10.140 |
| -14.600 | 10.400 | -10.000 | 12.870 | -9.400 | 12.960 | -6.000 | 12.980 |
| -2.500 | 12.950 | -1.700 | 12.700 | 0.000 | 11.760 | 0.000 | 12.630 |
| 0.000 | 11.760 | 2.400 | 10.390 | 3.330 | 10.380 | 7.030 | 8.530 |
| 7.500 | 8.530 | 7.500 | 8.430 | 10.450 | 8.340 | 16.000 | 5.620 |
| 32.000 | 5.320 | 45.000 | 5.020 | 58.930 | 4.640 | 70.000 | 4.370 |
| 90.000 | 4.130 | 100.000 | 4.110 | 113.000 | 4.170 | 119.000 | 4.270 |
| 126.000 | 4.100 | 143.920 | 3.770 | 150.000 | 3.540 | 161.700 | 2.790 |
| 164.500 | 1.950 | 167.000 | 1.570 | 175.830 | 1.690 | 175.830 | 1.870 |
| 175.830 | 1.690 | 176.430 | 1.550 | 178.330 | 1.370 | 180.840 | 0.750 |
| 190.860 | 0.750 | 197.870 | 0.690 | 205.680 | 0.580 | 205.880 | 0.570 |
| 210.890 | 0.380 | 215.900 | 0.380 | 220.910 | 0.230 | 225.920 | 0.180 |
| 230.930 | 0.090 | 235.930 | -0.010 | 240.940 | -0.110 | 245.950 | -0.110 |
| 250.960 | -0.130 | 255.970 | -0.260 | 260.980 | -0.260 | 265.990 | -0.260 |
| 271.000 | -0.290 | 276.000 | -0.260 | 281.010 | -0.260 | 286.020 | -0.210 |
| 291.030 | -0.260 | 296.040 | -0.190 | 301.050 | -0.110 | 306.060 | -0.060 |
| 311.070 | -0.010 | 316.070 | -0.010 | 321.080 | 0.040 | 326.090 | 0.040 |
| 331.100 | 0.040 | 336.110 | 0.040 | 341.120 | 0.040 | 346.130 | -0.010 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 351.140 | -0.060 | 356.140 | -0.060 | 361.150 | -0.110 | 366.160 | -0.160 |
| 371.170 | -0.260 | 376.180 | -0.260 | 381.190 | -0.230 | 386.200 | -0.160 |
| 391.210 | -0.710 | 396.210 | -0.410 | 400.120 | 0.590 | 402.730 | 1.190 |
| 404.230 | 2.880 | 405.030 | 3.280 | 405.030 | 3.400 | 405.030 | 3.280 |
| 406.780 | 4.120 | 409.380 | 4.670 | 413.380 | 6.200 | 414.830 | 6.570 |
| 416.780 | 6.770 | 419.780 | 6.540 | 422.780 | 6.390 | 424.080 | 6.060 |
| 429.380 | 6.060 | 439.380 | 6.090 | 449.380 | 6.120 | 459.380 | 6.130 |
| 469.380 | 6.060 | 479.380 | 6.060 | 487.660 | 5.990 | 499.380 | 5.780 |
| 509.380 | 5.540 | 514.380 | 5.430 | 515.780 | 4.880 | 519.380 | 5.250 |
| 529.380 | 5.240 | 539.380 | 5.410 | 549.380 | 5.580 | 559.200 | 5.640 |
| 560.180 | 5.720 | 565.430 | 8.270 | 568.980 | 8.280 | 571.930 | 8.350 |
| 571.930 | 8.470 | 572.330 | 8.470 | 576.030 | 10.300 | 577.030 | 10.300 |
| 579.380 | 11.640 | 579.380 | 12.250 | 579.380 | 11.640 | 580.930 | 12.370 |
| 581.330 | 12.430 | 587.630 | 12.430 | 588.380 | 12.130 | 589.200 | 12.040 |
| 590.780 | 11.040 | 591.880 | 10.910 | 592.080 | 10.360 | 595.380 | 10.290 |
| 595.760 | 9.270 | 604.380 | 7.070 | 606.180 | 6.810 | 606.430 | 6.360 |
| 610.230 | 6.240 | 610.730 | 6.130 | 612.480 | 5.590 | 613.230 | 5.500 |
| 613.230 | 5.200 | 613.530 | 5.200 | 613.530 | 5.500 | 614.080 | 5.750 |
| 619.380 | 5.750 | | | | | | |
| 33.2 | 0.000 | | | | 166 | 66 118 | 30 140 |
| -100.000 | 6.080 | -83.800 | 6.160 | -83.300 | 7.110 | -81.400 | 6.890 |
| -79.500 | 6.320 | -75.800 | 6.370 | -74.000 | 6.940 | -65.000 | 7.230 |
| -60.500 | 6.760 | -58.700 | 5.870 | -40.500 | 6.290 | -37.800 | 6.520 |
| -37.400 | 6.580 | -36.750 | 7.030 | -33.400 | 7.120 | -30.800 | 7.180 |
| -30.800 | 6.880 | -30.500 | 6.880 | -30.500 | 7.180 | -29.600 | 7.230 |
| -28.050 | 7.700 | -23.200 | 7.950 | -17.700 | 10.160 | -15.400 | 10.590 |
| -10.650 | 12.930 | -10.200 | 13.010 | -6.000 | 13.070 | -2.600 | 13.040 |
| -2.300 | 12.820 | -1.500 | 12.710 | 0.000 | 11.880 | 0.000 | 12.820 |
| 0.000 | 11.880 | 2.500 | 10.410 | 3.480 | 10.400 | 7.200 | 8.610 |
| 7.680 | 8.590 | 7.680 | 8.490 | 9.600 | 8.450 | 9.600 | 8.550 |
| 10.650 | 8.500 | 13.460 | 7.150 | 13.460 | 7.030 | 15.900 | 5.870 |
| 16.860 | 5.780 | 26.000 | 5.510 | 38.000 | 4.910 | 50.000 | 4.700 |
| 65.000 | 4.480 | 80.000 | 4.290 | 100.000 | 4.090 | 109.000 | 4.130 |
| 110.000 | 4.270 | 115.300 | 4.310 | 116.000 | 4.100 | 124.350 | 4.140 |
| 125.000 | 4.040 | 129.500 | 2.760 | 138.400 | 1.860 | 150.000 | 2.010 |
| 161.500 | 2.430 | 162.000 | 2.600 | 166.580 | 2.710 | 166.580 | 2.880 |
| 166.580 | 2.710 | 167.280 | 2.590 | 169.380 | 1.720 | 176.580 | 1.330 |
| 186.590 | 1.140 | 196.590 | 1.000 | 199.800 | 0.920 | 201.600 | 0.700 |
| 211.800 | 0.620 | 216.600 | 0.470 | 221.610 | 0.120 | 225.610 | 0.120 |
| 226.610 | 0.020 | 231.610 | 0.470 | 236.610 | 0.370 | 241.620 | 0.320 |
| 246.620 | -0.080 | 251.620 | 0.220 | 256.620 | 0.320 | 261.630 | 0.170 |
| 266.630 | 0.240 | 271.630 | 0.220 | 276.630 | 0.180 | 281.630 | 0.080 |
| 286.640 | 0.030 | 291.640 | -0.070 | 296.640 | -0.120 | 301.640 | -0.190 |
| 306.650 | -0.270 | 311.650 | -0.320 | 316.650 | -0.320 | 321.650 | -0.390 |
| 326.660 | -0.470 | 331.660 | -0.470 | 336.660 | -0.620 | 341.660 | -0.520 |
| 346.670 | -0.840 | 351.670 | -0.760 | 356.670 | -0.660 | 361.670 | -0.660 |
| 366.670 | -0.710 | 371.680 | -0.840 | 372.980 | -0.360 | 375.280 | 0.640 |
| 377.380 | 0.990 | 377.380 | 1.160 | 377.380 | 0.990 | 387.630 | 1.100 |
| 397.630 | 1.270 | 401.630 | 1.340 | 407.630 | 4.330 | 411.730 | 5.990 |
| 413.230 | 6.340 | 417.630 | 6.680 | 427.630 | 6.680 | 437.630 | 6.570 |
| 447.630 | 6.360 | 457.630 | 5.870 | 467.630 | 5.440 | 477.630 | 4.930 |
| 480.050 | 4.880 | 487.630 | 4.780 | 497.630 | 4.820 | 505.930 | 4.950 |
| 506.630 | 5.030 | 509.130 | 6.170 | 512.580 | 6.100 | 516.830 | 8.220 |
| 519.780 | 8.280 | 520.280 | 8.380 | 523.980 | 10.170 | 524.980 | 10.170 |
| 527.630 | 11.660 | 527.630 | 12.020 | 527.630 | 11.660 | 529.230 | 12.740 |
| 529.630 | 12.720 | 535.630 | 12.730 | 535.880 | 12.740 | 537.930 | 11.710 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 538.830 | 11.670 | 539.030 | 11.290 | 542.680 | 11.300 | 544.430 | 11.070 |
| 544.730 | 10.540 | 547.930 | 10.500 | 548.110 | 10.480 | 553.630 | 8.330 |
| 554.580 | 8.330 | 554.730 | 7.980 | 558.930 | 7.770 | 563.630 | 6.010 |
| 564.630 | 5.950 | 564.830 | 5.610 | 567.330 | 5.610 | 569.600 | 4.910 |
| 570.530 | 4.840 | 570.530 | 4.550 | 570.830 | 4.550 | 570.830 | 4.840 |
| 570.930 | 4.840 | 570.930 | 5.430 | | | | |
| 33.4 | 0.000 | | | | 153 | 55 112 | 33 132 |
| -100.000 | 5.920 | -90.000 | 6.100 | -78.500 | 5.970 | -77.000 | 6.470 |
| -73.000 | 6.640 | -71.200 | 6.290 | -63.400 | 6.080 | -62.200 | 6.430 |
| -55.400 | 6.420 | -54.800 | 5.770 | -52.400 | 5.790 | -51.200 | 6.080 |
| -49.300 | 5.860 | -33.920 | 5.730 | -33.500 | 5.730 | -33.500 | 5.280 |
| -33.100 | 5.280 | -33.100 | 5.730 | -32.900 | 5.740 | -32.500 | 6.390 |
| -32.000 | 6.430 | -29.500 | 7.670 | -23.400 | 7.890 | -23.100 | 8.470 |
| -21.800 | 8.560 | -17.500 | 10.270 | -14.300 | 10.640 | -9.700 | 13.050 |
| -9.500 | 13.060 | -6.000 | 13.120 | -2.800 | 13.120 | -2.400 | 12.970 |
| -1.600 | 12.900 | 0.000 | 11.970 | 0.000 | 12.410 | 0.000 | 11.970 |
| 2.500 | 10.480 | 3.470 | 10.490 | 7.130 | 8.650 | 7.580 | 8.650 |
| 7.580 | 8.540 | 10.530 | 8.480 | 15.600 | 5.970 | 16.340 | 6.000 |
| 28.500 | 5.900 | 50.000 | 5.490 | 59.080 | 5.210 | 69.000 | 5.120 |
| 83.500 | 4.790 | 88.000 | 7.310 | 95.500 | 4.430 | 115.700 | 4.350 |
| 117.700 | 3.800 | 121.700 | 3.860 | 135.000 | 3.180 | 138.500 | 2.020 |
| 144.000 | 2.020 | 148.000 | 2.780 | 150.000 | 2.120 | 161.000 | 1.880 |
| 174.760 | 1.510 | 174.760 | 1.680 | 174.760 | 1.510 | 188.770 | 1.120 |
| 198.790 | 0.970 | 208.800 | 0.880 | 218.810 | 0.760 | 232.920 | 0.650 |
| 234.820 | 0.530 | 239.830 | 0.530 | 244.830 | 0.500 | 249.840 | 0.500 |
| 254.850 | 0.400 | 259.850 | 0.350 | 264.860 | 0.350 | 269.860 | 0.250 |
| 274.870 | 0.230 | 279.870 | 0.150 | 284.880 | 0.100 | 289.880 | 0.090 |
| 294.890 | 0.040 | 299.890 | -0.060 | 304.900 | -0.060 | 309.900 | -0.140 |
| 314.910 | -0.110 | 319.920 | -0.210 | 324.920 | -0.160 | 329.930 | -0.380 |
| 334.930 | -0.560 | 339.940 | -0.660 | 344.940 | -0.660 | 349.950 | -0.660 |
| 354.950 | -0.740 | 359.960 | -0.820 | 364.960 | -0.520 | 366.260 | -0.170 |
| 368.770 | 0.630 | 369.970 | 0.790 | 371.020 | 0.840 | 371.020 | 0.990 |
| 371.020 | 0.840 | 381.220 | 0.940 | 391.220 | 0.930 | 401.220 | 0.920 |
| 404.720 | 0.920 | 405.420 | 1.070 | 412.670 | 1.230 | 416.570 | 3.170 |
| 418.620 | 3.270 | 418.820 | 3.370 | 422.220 | 3.560 | 427.870 | 6.250 |
| 430.020 | 6.050 | 433.420 | 6.180 | 441.220 | 5.630 | 451.220 | 4.960 |
| 461.220 | 4.420 | 471.220 | 4.440 | 481.220 | 4.720 | 492.220 | 4.680 |
| 492.820 | 4.840 | 493.220 | 4.840 | 500.670 | 8.500 | 503.620 | 8.570 |
| 503.620 | 8.680 | 504.020 | 8.680 | 507.720 | 10.480 | 508.720 | 10.480 |
| 511.220 | 11.950 | 511.220 | 12.390 | 511.220 | 11.950 | 512.720 | 12.930 |
| 513.220 | 12.920 | 519.220 | 12.860 | 519.540 | 12.800 | 522.420 | 11.250 |
| 524.070 | 11.050 | 524.320 | 10.550 | 527.570 | 10.480 | 527.820 | 10.450 |
| 536.720 | 6.830 | 537.820 | 6.810 | 538.070 | 6.410 | 542.020 | 6.300 |
| 544.720 | 5.220 | 545.440 | 5.200 | 545.520 | 4.920 | 545.820 | 4.920 |
| 545.820 | 5.190 | 546.020 | 5.450 | 546.620 | 5.500 | 551.220 | 5.530 |
| 559.720 | 5.650 | | | | | | |
| 33.6 | 0.000 | | | | 164 | 51 117 | 33 136 |
| -100.000 | 6.560 | -79.600 | 6.500 | -79.200 | 6.610 | -69.200 | 6.440 |
| -68.600 | 6.260 | -50.000 | 6.140 | -37.640 | 6.160 | -37.450 | 6.190 |
| -37.450 | 5.760 | -36.950 | 5.760 | -36.950 | 6.190 | -36.800 | 6.190 |
| -36.400 | 6.860 | -35.700 | 6.900 | -34.100 | 7.600 | -32.900 | 7.810 |
| -27.830 | 7.910 | -27.530 | 8.420 | -27.210 | 8.410 | -26.200 | 8.480 |
| -23.400 | 9.790 | -22.800 | 9.740 | -20.000 | 9.680 | -19.450 | 9.830 |
| -19.250 | 10.200 | -16.200 | 10.390 | -15.000 | 10.660 | -10.190 | 12.940 |
| -9.700 | 13.120 | -6.000 | 13.140 | -2.900 | 13.160 | -2.600 | 13.010 |
| -1.700 | 12.900 | 0.000 | 11.940 | 0.000 | 12.420 | 0.000 | 11.940 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 2.700 | 10.550 | 3.520 | 10.540 | 7.250 | 8.670 | 9.600 | 8.550 |
| 14.350 | 8.520 | 19.900 | 5.790 | 22.350 | 5.770 | 35.000 | 5.780 |
| 50.000 | 5.690 | 61.000 | 5.640 | 75.000 | 5.740 | 85.000 | 4.950 |
| 88.600 | 4.410 | 100.000 | 4.450 | 110.570 | 4.200 | 111.300 | 4.130 |
| 116.400 | 2.920 | 126.500 | 2.160 | 142.000 | 2.170 | 154.600 | 1.310 |
| 156.200 | 1.990 | 166.000 | 1.860 | 179.000 | 1.470 | 179.000 | 1.630 |
| 179.000 | 1.470 | 184.000 | 1.390 | 194.010 | 1.000 | 204.020 | 0.730 |
| 206.430 | 0.690 | 209.030 | 0.640 | 214.030 | 0.500 | 219.040 | 0.380 |
| 224.040 | 0.240 | 229.050 | 0.190 | 234.050 | 0.140 | 239.060 | 0.110 |
| 244.060 | 0.140 | 249.070 | 0.140 | 254.070 | 0.190 | 259.080 | 0.170 |
| 264.080 | 0.190 | 269.090 | 0.170 | 274.090 | 0.140 | 279.100 | 0.110 |
| 284.100 | 0.090 | 289.110 | -0.090 | 294.110 | -0.290 | 299.120 | -0.310 |
| 304.120 | -0.260 | 309.130 | -0.260 | 314.130 | -0.110 | 319.140 | -0.230 |
| 324.140 | -0.290 | 329.150 | -0.290 | 334.150 | -0.190 | 339.160 | -0.110 |
| 344.160 | -0.110 | 349.170 | -0.110 | 354.170 | -0.110 | 359.180 | -0.110 |
| 364.180 | 0.040 | 369.190 | -0.010 | 374.190 | 0.240 | 379.200 | 0.340 |
| 381.200 | 0.510 | 384.200 | 0.510 | 389.210 | 0.610 | 392.710 | 0.690 |
| 405.230 | 1.000 | 409.430 | 1.150 | 409.430 | 1.330 | 409.430 | 1.150 |
| 412.880 | 1.700 | 416.580 | 3.200 | 418.430 | 3.280 | 418.430 | 3.390 |
| 418.680 | 3.390 | 423.180 | 3.670 | 428.080 | 5.200 | 430.180 | 5.590 |
| 434.080 | 5.790 | 444.080 | 5.980 | 454.080 | 5.860 | 464.080 | 5.410 |
| 474.080 | 5.240 | 484.080 | 5.140 | 493.680 | 5.270 | 504.080 | 5.840 |
| 514.080 | 5.700 | 524.080 | 5.730 | 534.580 | 5.750 | 536.950 | 6.860 |
| 540.480 | 6.890 | 543.580 | 8.400 | 546.480 | 8.470 | 546.930 | 8.580 |
| 550.630 | 10.360 | 551.630 | 10.360 | 554.080 | 11.700 | 554.080 | 12.150 |
| 554.080 | 11.700 | 554.580 | 12.040 | 560.080 | 12.200 | 567.080 | 12.250 |
| 568.390 | 12.150 | 570.480 | 11.210 | 571.930 | 11.110 | 572.230 | 10.600 |
| 575.430 | 10.530 | 575.780 | 10.510 | 584.080 | 7.000 | 584.930 | 6.900 |
| 585.130 | 6.520 | 589.180 | 6.300 | 589.530 | 6.270 | 589.530 | 5.940 |
| 589.880 | 5.940 | 589.880 | 6.270 | 593.350 | 6.280 | 594.780 | 6.050 |
| 600.180 | 4.150 | 601.580 | 3.930 | 601.580 | 3.700 | 601.930 | 3.700 |
| 601.930 | 3.930 | 602.310 | 4.070 | 602.980 | 4.070 | 603.580 | 3.880 |
| 33.8 | 0.000 | | | | 174 | 45.115 | 23.149 |
| -32.600 | 6.520 | -32.350 | 6.400 | -32.350 | 5.960 | -31.900 | 5.960 |
| -31.900 | 6.410 | -31.700 | 6.470 | -31.350 | 7.070 | -30.800 | 7.090 |
| -29.400 | 7.680 | -28.000 | 7.870 | -23.300 | 8.090 | -23.000 | 8.610 |
| -22.720 | 8.620 | -21.700 | 8.720 | -17.200 | 10.420 | -14.000 | 10.810 |
| -10.000 | 13.040 | -9.800 | 13.100 | -9.400 | 13.120 | -6.000 | 13.210 |
| -2.600 | 13.200 | -2.200 | 13.030 | -1.600 | 12.930 | 0.000 | 12.020 |
| 0.000 | 12.540 | 0.000 | 12.020 | 2.600 | 10.590 | 3.500 | 10.570 |
| 7.170 | 8.730 | 7.600 | 8.730 | 9.300 | 8.700 | 9.300 | 8.600 |
| 10.590 | 8.580 | 15.800 | 6.050 | 16.220 | 6.050 | 28.000 | 6.260 |
| 50.000 | 5.930 | 63.000 | 5.730 | 78.300 | 5.300 | 81.600 | 4.700 |
| 88.000 | 4.500 | 96.000 | 4.840 | 100.000 | 3.900 | 106.440 | 4.020 |
| 109.200 | 3.990 | 111.690 | 2.290 | 111.690 | 2.460 | 111.690 | 2.290 |
| 113.090 | 1.720 | 114.890 | 1.400 | 123.190 | 1.050 | 133.190 | 0.910 |
| 135.490 | 0.750 | 136.690 | 0.700 | 141.690 | 0.700 | 146.690 | 0.670 |
| 151.690 | 0.570 | 156.690 | 0.450 | 161.690 | 0.350 | 166.690 | 0.300 |
| 171.690 | 0.370 | 176.690 | 0.350 | 181.680 | 0.250 | 186.680 | 0.150 |
| 191.680 | 0.100 | 196.680 | 0.100 | 201.680 | 0.000 | 206.680 | -0.050 |
| 211.680 | -0.040 | 216.680 | 0.000 | 221.680 | -0.040 | 226.680 | -0.040 |
| 231.680 | -0.040 | 236.680 | -0.060 | 241.680 | 0.060 | 246.680 | 0.040 |
| 251.680 | 0.110 | 256.680 | 0.160 | 261.680 | 0.240 | 266.680 | 0.310 |
| 271.680 | 0.210 | 276.680 | 0.260 | 281.680 | 0.210 | 286.680 | 0.110 |
| 291.680 | -0.060 | 296.680 | -0.120 | 301.680 | -0.120 | 306.680 | -0.090 |
| 311.670 | -0.090 | 316.670 | -0.040 | 321.670 | 0.210 | 326.670 | 0.260 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 331.670 | 0.380 | 336.670 | 0.280 | 341.670 | 0.160 | 346.670 | 0.160 |
| 351.670 | 0.210 | 356.670 | 0.520 | 361.670 | 0.470 | 365.370 | 0.470 |
| 366.370 | 0.630 | 366.670 | 0.670 | 367.470 | 0.770 | 372.220 | 0.920 |
| 372.220 | 1.100 | 372.220 | 0.920 | 374.400 | 1.290 | 376.200 | 2.190 |
| 378.900 | 2.970 | 381.600 | 3.050 | 393.600 | 2.890 | 404.500 | 3.200 |
| 411.500 | 4.340 | 418.700 | 5.830 | 420.610 | 6.020 | 433.600 | 6.010 |
| 443.600 | 5.800 | 453.600 | 5.780 | 466.100 | 5.700 | 467.300 | 6.080 |
| 468.250 | 6.160 | 470.500 | 5.810 | 471.400 | 5.130 | 472.200 | 5.210 |
| 472.600 | 5.620 | 483.600 | 5.800 | 493.600 | 5.830 | 503.600 | 5.930 |
| 513.600 | 6.030 | 523.600 | 5.990 | 533.600 | 5.950 | 543.600 | 5.940 |
| 553.600 | 5.890 | 563.600 | 5.790 | 573.600 | 5.840 | 579.790 | 5.820 |
| 584.600 | 6.090 | 588.950 | 8.210 | 591.900 | 8.210 | 592.900 | 8.540 |
| 595.800 | 8.540 | 595.800 | 8.660 | 596.300 | 8.660 | 599.950 | 10.510 |
| 600.950 | 10.510 | 603.600 | 12.050 | 603.600 | 12.500 | 603.600 | 12.050 |
| 605.000 | 12.820 | 605.500 | 12.840 | 611.700 | 12.840 | 612.110 | 12.870 |
| 615.850 | 10.940 | 616.600 | 10.900 | 616.700 | 10.710 | 619.850 | 10.590 |
| 623.900 | 10.500 | 624.180 | 10.530 | 634.000 | 6.520 | 638.100 | 6.370 |
| 639.200 | 6.220 | 640.900 | 5.460 | 641.300 | 5.420 | 641.300 | 4.970 |
| 641.750 | 4.970 | 641.750 | 5.420 | 641.900 | 5.420 | 645.950 | 5.420 |
| 646.250 | 5.400 | 647.700 | 4.660 | 650.050 | 4.610 | 650.950 | 3.180 |
| 652.200 | 3.190 | 652.200 | 4.150 | | | | |
| 34.0 | 0.000 | | | | 187 | 47 98 | 22 159 |
| -44.800 | 6.400 | -44.500 | 6.410 | -44.500 | 6.310 | -32.280 | 6.430 |
| -32.280 | 5.990 | -31.830 | 5.990 | -31.830 | 6.450 | -31.700 | 6.450 |
| -31.300 | 7.110 | -30.800 | 7.120 | -28.800 | 7.920 | -23.250 | 8.060 |
| -22.920 | 8.640 | -22.500 | 8.640 | -21.600 | 8.700 | -16.700 | 10.570 |
| -14.500 | 10.820 | -9.890 | 13.150 | -9.100 | 13.220 | -5.500 | 13.240 |
| -2.500 | 13.220 | -2.200 | 13.010 | -1.400 | 12.950 | 0.000 | 12.130 |
| 0.000 | 12.660 | 0.000 | 12.130 | 2.600 | 10.600 | 3.550 | 10.600 |
| 7.200 | 8.760 | 7.660 | 8.760 | 7.660 | 8.660 | 10.570 | 8.610 |
| 14.350 | 6.720 | 14.800 | 6.720 | 14.800 | 6.620 | 21.560 | 6.400 |
| 24.340 | 5.940 | 25.200 | 5.430 | 28.000 | 5.210 | 50.000 | 4.860 |
| 60.000 | 4.740 | 75.950 | 4.510 | 81.500 | 3.800 | 94.500 | 3.710 |
| 96.800 | 3.670 | 97.500 | 3.510 | 97.800 | 3.510 | 97.800 | 3.410 |
| 99.820 | 3.300 | 104.920 | 0.780 | 106.920 | -0.220 | 109.810 | -0.170 |
| 114.810 | -0.070 | 119.810 | 0.000 | 124.810 | 0.060 | 129.800 | 0.100 |
| 134.800 | 0.150 | 139.800 | 0.120 | 144.790 | 0.170 | 149.790 | 0.150 |
| 154.790 | 0.050 | 159.790 | 0.070 | 164.780 | -0.080 | 169.780 | -0.010 |
| 174.780 | -0.050 | 179.770 | -0.030 | 184.770 | -0.030 | 189.770 | -0.060 |
| 194.770 | -0.090 | 199.760 | -0.040 | 204.760 | -0.040 | 209.760 | -0.040 |
| 214.750 | 0.010 | 219.750 | 0.010 | 224.750 | 0.110 | 229.750 | 0.100 |
| 234.740 | 0.150 | 239.740 | 0.230 | 244.740 | 0.250 | 249.730 | 0.300 |
| 254.730 | 0.300 | 259.730 | 0.350 | 264.730 | 0.400 | 269.720 | 0.400 |
| 274.720 | 0.450 | 279.720 | 0.490 | 284.710 | 0.440 | 289.710 | 0.390 |
| 294.710 | 0.440 | 299.710 | 0.340 | 304.700 | 0.440 | 309.400 | 0.740 |
| 310.850 | 1.030 | 310.850 | 1.200 | 310.850 | 1.030 | 311.620 | 1.210 |
| 317.420 | 4.490 | 317.740 | 4.560 | 320.320 | 4.520 | 323.120 | 4.210 |
| 332.120 | 3.790 | 342.120 | 3.550 | 352.120 | 3.320 | 355.820 | 3.600 |
| 358.120 | 4.400 | 359.320 | 4.690 | 362.120 | 4.950 | 372.120 | 5.570 |
| 376.320 | 5.920 | 378.920 | 5.960 | 381.360 | 5.660 | 383.320 | 5.060 |
| 384.920 | 3.770 | 387.120 | 1.180 | 387.720 | 0.950 | 389.120 | 0.570 |
| 393.120 | 0.550 | 398.120 | 0.390 | 403.120 | 0.530 | 408.120 | 0.670 |
| 408.820 | 0.940 | 412.020 | 4.100 | 416.120 | 5.480 | 421.420 | 6.990 |
| 422.130 | 7.120 | 423.120 | 7.020 | 424.120 | 6.640 | 427.720 | 6.250 |
| 432.120 | 6.070 | 442.120 | 5.650 | 452.120 | 5.640 | 462.120 | 5.710 |
| 472.120 | 5.740 | 482.120 | 5.720 | 492.120 | 5.810 | 502.120 | 5.870 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 512.120 | 5.950 | 522.120 | 5.930 | 532.120 | 5.960 | 536.450 | 6.070 |
| 542.120 | 6.050 | 552.120 | 6.090 | 562.120 | 6.110 | 574.320 | 5.930 |
| 580.320 | 5.990 | 582.620 | 6.490 | 586.620 | 6.760 | 588.420 | 7.010 |
| 591.770 | 8.650 | 594.670 | 8.710 | 594.670 | 8.830 | 595.120 | 8.830 |
| 598.770 | 10.610 | 599.770 | 10.610 | 602.120 | 11.800 | 602.120 | 12.230 |
| 602.120 | 11.800 | 603.820 | 12.710 | 604.420 | 12.780 | 610.320 | 12.780 |
| 610.790 | 12.720 | 614.420 | 11.150 | 615.370 | 11.070 | 615.570 | 10.760 |
| 618.820 | 10.700 | 619.120 | 10.700 | 620.820 | 10.030 | 621.970 | 9.960 |
| 622.220 | 9.570 | 626.110 | 9.570 | 632.020 | 7.100 | 633.120 | 7.050 |
| 633.370 | 6.660 | 637.420 | 6.430 | 639.620 | 5.600 | 640.120 | 5.560 |
| 640.120 | 5.200 | 640.520 | 5.200 | 640.520 | 5.560 | 645.220 | 5.520 |
| 646.720 | 4.790 | 648.300 | 4.810 | 648.870 | 4.810 | 649.670 | 3.350 |
| 651.020 | 3.350 | 651.020 | 4.310 | 651.620 | 4.390 | | |
| 34.2 | 0.000 | | | | 185 | 42 87 | 19 160 |
| -48.200 | 5.370 | -47.300 | 6.010 | -38.700 | 6.350 | -36.660 | 6.620 |
| -35.600 | 7.350 | -29.000 | 7.460 | -28.300 | 7.780 | -27.000 | 7.980 |
| -24.200 | 8.020 | -23.800 | 8.030 | -23.460 | 8.160 | -18.700 | 9.780 |
| -15.800 | 10.150 | -9.910 | 13.150 | -9.500 | 13.220 | -6.000 | 13.260 |
| -2.800 | 13.220 | -2.500 | 13.060 | -1.800 | 13.010 | 0.000 | 11.840 |
| 0.000 | 12.400 | 0.000 | 11.840 | 2.000 | 10.700 | 2.990 | 10.700 |
| 6.680 | 8.870 | 7.140 | 8.870 | 10.020 | 8.710 | 14.710 | 6.370 |
| 15.190 | 6.360 | 18.080 | 6.230 | 21.280 | 4.620 | 22.050 | 4.610 |
| 25.000 | 4.490 | 34.000 | 4.520 | 50.000 | 4.490 | 65.000 | 4.350 |
| 78.000 | 4.300 | 94.520 | 3.830 | 94.520 | 3.990 | 94.520 | 3.830 |
| 94.770 | 3.560 | 94.930 | 3.560 | 94.930 | 3.450 | 96.950 | 3.370 |
| 102.000 | 0.800 | 103.900 | 0.000 | 104.500 | 0.000 | 109.490 | 0.050 |
| 114.480 | 0.050 | 119.470 | -0.020 | 124.460 | -0.050 | 129.450 | 0.200 |
| 134.440 | 0.080 | 139.430 | -0.550 | 144.420 | -1.000 | 149.410 | -1.200 |
| 154.400 | -1.200 | 159.390 | -1.150 | 164.380 | -0.850 | 169.370 | -0.750 |
| 174.360 | -0.550 | 179.350 | -0.500 | 184.340 | -0.400 | 189.320 | -0.200 |
| 194.310 | -0.250 | 199.300 | -0.150 | 204.290 | -0.080 | 209.280 | 0.010 |
| 214.270 | 0.090 | 219.260 | 0.190 | 224.250 | 0.340 | 229.240 | 0.540 |
| 234.230 | 0.610 | 238.520 | 0.790 | 239.720 | 0.840 | 247.700 | 1.010 |
| 255.090 | 1.070 | 255.090 | 1.230 | 255.090 | 1.070 | 260.710 | 1.000 |
| 270.710 | 1.000 | 280.710 | 0.790 | 283.310 | 0.950 | 285.710 | 1.430 |
| 288.610 | 3.880 | 290.070 | 4.510 | 290.710 | 4.680 | 292.710 | 4.570 |
| 296.710 | 4.310 | 300.710 | 3.790 | 305.710 | 3.650 | 310.710 | 3.930 |
| 320.710 | 3.780 | 326.610 | 3.710 | 334.410 | 4.880 | 340.710 | 4.880 |
| 350.710 | 4.860 | 360.710 | 4.910 | 372.310 | 4.830 | 374.910 | 5.350 |
| 379.910 | 5.940 | 382.390 | 5.850 | 382.910 | 5.760 | 386.410 | 4.610 |
| 389.710 | 2.010 | 390.110 | 1.030 | 390.710 | 0.610 | 395.710 | 0.550 |
| 400.710 | 0.530 | 405.710 | 0.790 | 409.710 | 0.800 | 411.210 | 1.030 |
| 413.310 | 3.330 | 415.410 | 4.340 | 419.110 | 5.460 | 423.610 | 6.750 |
| 424.160 | 6.890 | 426.110 | 6.850 | 428.410 | 5.770 | 440.710 | 6.010 |
| 445.710 | 5.960 | 451.510 | 5.960 | 451.810 | 5.840 | 453.810 | 5.810 |
| 454.110 | 5.930 | 460.710 | 5.910 | 470.710 | 6.000 | 480.710 | 6.020 |
| 483.810 | 6.000 | 484.110 | 5.830 | 487.110 | 5.890 | 490.710 | 5.920 |
| 500.710 | 5.930 | 510.710 | 5.760 | 516.710 | 5.750 | 520.710 | 5.600 |
| 530.710 | 5.590 | 540.710 | 5.570 | 543.710 | 5.600 | 545.510 | 5.770 |
| 546.310 | 6.070 | 547.250 | 6.130 | 548.610 | 6.030 | 549.510 | 5.760 |
| 550.210 | 5.190 | 550.360 | 5.190 | 550.910 | 5.920 | 557.710 | 6.320 |
| 570.710 | 6.330 | 573.110 | 6.530 | 577.460 | 8.690 | 581.110 | 8.670 |
| 583.910 | 8.820 | 584.360 | 8.820 | 588.110 | 10.640 | 589.110 | 10.640 |
| 590.710 | 11.600 | 590.710 | 12.100 | 590.710 | 11.600 | 592.210 | 12.540 |
| 599.160 | 12.620 | 599.210 | 12.730 | 605.010 | 12.730 | 605.470 | 12.670 |
| 606.610 | 11.790 | 608.810 | 11.600 | 609.910 | 10.920 | 610.310 | 10.790 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 610.560 | 10.280 | 613.710 | 10.180 | 614.020 | 10.160 | 621.110 | 7.380 |
| 621.660 | 7.300 | 621.910 | 6.860 | 626.210 | 6.720 | 627.340 | 6.560 |
| 628.510 | 6.050 | 629.360 | 5.960 | 629.360 | 5.650 | 629.660 | 5.650 |
| 629.660 | 5.960 | 629.810 | 5.960 | 630.110 | 5.950 | 634.610 | 5.660 |
| 635.910 | 5.660 | | | | | | |
| 34.4 | 0.000 | | | | 166 | 39 83 | 26 147 |
| -101.000 | 4.190 | -69.400 | 4.190 | -69.200 | 4.300 | -68.900 | 4.300 |
| -68.500 | 4.040 | -68.200 | 4.040 | -67.800 | 4.330 | -67.500 | 4.330 |
| -67.300 | 4.390 | -66.800 | 4.390 | -53.800 | 4.390 | -37.400 | 4.220 |
| -36.000 | 4.720 | -30.800 | 5.710 | -27.500 | 5.990 | -20.460 | 9.220 |
| -19.600 | 9.350 | -11.750 | 13.120 | -11.000 | 13.220 | -8.000 | 13.260 |
| -5.000 | 13.230 | -4.000 | 13.060 | -2.800 | 13.090 | -1.300 | 12.660 |
| -1.000 | 12.530 | -1.000 | 13.060 | -1.000 | 12.530 | 3.520 | 10.230 |
| 3.700 | 10.150 | 5.120 | 9.400 | 8.080 | 9.020 | 12.700 | 6.760 |
| 16.280 | 6.290 | 19.150 | 4.910 | 31.950 | 4.880 | 48.950 | 4.690 |
| 61.950 | 4.550 | 72.950 | 4.530 | 85.580 | 4.300 | 86.550 | 4.100 |
| 88.450 | 3.580 | 88.750 | 3.580 | 88.750 | 3.450 | 90.820 | 3.390 |
| 96.020 | 0.800 | 97.520 | 0.050 | 100.820 | -0.040 | 105.830 | -0.190 |
| 110.830 | -0.190 | 115.830 | -0.170 | 120.830 | -0.190 | 125.840 | -0.290 |
| 130.840 | -0.510 | 135.840 | -0.590 | 140.840 | -0.870 | 145.840 | -0.970 |
| 150.850 | -0.810 | 155.850 | -0.690 | 160.850 | -0.590 | 165.850 | -0.410 |
| 170.850 | -0.340 | 175.860 | -0.340 | 180.860 | -0.410 | 185.860 | -0.340 |
| 190.860 | -0.490 | 195.870 | -0.490 | 200.870 | -0.410 | 205.870 | -0.370 |
| 210.870 | -0.370 | 215.870 | -0.290 | 220.880 | -0.090 | 225.880 | 0.010 |
| 230.880 | 0.210 | 235.880 | 0.390 | 240.880 | 0.560 | 245.890 | 0.510 |
| 250.490 | 0.810 | 251.490 | 1.230 | 253.190 | 1.650 | 253.190 | 1.810 |
| 253.190 | 1.650 | 255.320 | 2.820 | 256.820 | 3.170 | 267.820 | 2.780 |
| 270.820 | 3.170 | 278.820 | 3.650 | 285.420 | 3.850 | 290.520 | 4.960 |
| 292.820 | 5.300 | 305.820 | 5.320 | 315.820 | 5.280 | 325.820 | 5.130 |
| 335.820 | 4.980 | 345.820 | 4.850 | 355.820 | 4.880 | 365.820 | 4.980 |
| 375.820 | 4.910 | 385.820 | 4.960 | 394.820 | 5.110 | 398.520 | 6.080 |
| 400.320 | 6.300 | 405.500 | 6.170 | 406.520 | 6.150 | 413.520 | 4.030 |
| 418.520 | 3.610 | 420.420 | 1.100 | 420.820 | 0.890 | 425.820 | 0.390 |
| 430.820 | 0.170 | 435.820 | 0.210 | 437.720 | 0.830 | 437.720 | 1.110 |
| 437.720 | 1.580 | 440.020 | 3.700 | 441.020 | 4.220 | 445.820 | 5.940 |
| 449.020 | 6.780 | 450.500 | 7.000 | 451.620 | 6.860 | 454.120 | 5.900 |
| 454.320 | 5.190 | 454.620 | 5.190 | 454.720 | 5.770 | 455.220 | 6.040 |
| 474.820 | 5.970 | 475.120 | 5.750 | 475.620 | 5.750 | 476.320 | 6.010 |
| 479.120 | 6.080 | 485.820 | 6.050 | 495.820 | 5.910 | 505.820 | 5.890 |
| 515.820 | 5.820 | 522.520 | 5.900 | 535.820 | 6.110 | 546.420 | 6.350 |
| 551.320 | 8.780 | 554.220 | 8.830 | 554.220 | 8.930 | 554.670 | 8.930 |
| 558.370 | 10.790 | 559.370 | 10.790 | 563.720 | 11.280 | 565.820 | 12.300 |
| 565.820 | 12.810 | 565.820 | 12.300 | 567.420 | 13.060 | 568.220 | 13.200 |
| 571.220 | 13.360 | 574.620 | 13.110 | 575.420 | 12.940 | 577.590 | 12.690 |
| 585.520 | 9.360 | 591.120 | 8.790 | 593.590 | 8.330 | 595.020 | 8.210 |
| 595.620 | 8.120 | 595.820 | 8.200 | 607.620 | 8.110 | 608.970 | 8.080 |
| 609.620 | 7.900 | 609.970 | 7.810 | 609.920 | 8.560 | 610.420 | 8.600 |
| 610.920 | 8.600 | 615.460 | 11.240 | | | | |
| 34.6 | 0.000 | | | | 182 | 34 80 | 16 151 |
| -49.000 | 6.000 | -42.450 | 6.060 | -38.950 | 6.100 | -38.350 | 6.600 |
| -38.020 | 6.620 | -37.620 | 6.620 | -32.840 | 6.600 | -32.370 | 6.570 |
| -28.000 | 6.630 | -18.200 | 10.540 | -14.100 | 10.730 | -9.200 | 13.150 |
| -6.300 | 13.460 | -4.300 | 13.430 | -1.400 | 13.160 | 0.000 | 12.500 |
| 0.000 | 12.900 | 0.000 | 12.500 | 6.700 | 9.290 | 9.800 | 8.970 |
| 12.800 | 7.710 | 14.000 | 7.480 | 14.700 | 7.240 | 15.150 | 7.200 |
| 19.200 | 5.210 | 22.190 | 4.910 | 23.300 | 4.360 | 31.500 | 4.240 |

S59横断データ (-0.6~56.2). dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 40.000 | 4.100 | 50.000 | 3.920 | 60.000 | 3.790 | 69.000 | 3.720 |
| 69.300 | 3.810 | 72.200 | 3.770 | 72.700 | 3.630 | 72.700 | 3.530 |
| 74.690 | 3.430 | 79.890 | 0.920 | 81.790 | -0.060 | 84.680 | 0.120 |
| 89.680 | 0.040 | 94.680 | 0.120 | 99.680 | 0.140 | 104.670 | 0.170 |
| 109.670 | 0.170 | 114.670 | 0.320 | 119.660 | 0.520 | 124.660 | 0.340 |
| 129.660 | 0.270 | 134.660 | 0.120 | 139.650 | 0.240 | 144.650 | 0.220 |
| 149.650 | 0.170 | 154.640 | 0.170 | 159.640 | 0.070 | 164.640 | 0.040 |
| 169.640 | 0.020 | 174.630 | 0.170 | 179.630 | 0.300 | 184.630 | 0.440 |
| 189.620 | 0.540 | 194.620 | 0.570 | 199.620 | 0.700 | 204.620 | 0.670 |
| 209.610 | 0.270 | 214.610 | 0.230 | 219.610 | 0.130 | 224.600 | 0.160 |
| 229.600 | 0.130 | 234.600 | 0.130 | 239.590 | 0.000 | 243.090 | -0.200 |
| 245.290 | 0.910 | 246.190 | 1.530 | 248.090 | 3.040 | 248.240 | 3.080 |
| 248.240 | 3.270 | 248.240 | 3.080 | 251.370 | 3.730 | 256.370 | 4.200 |
| 261.370 | 4.340 | 274.070 | 4.310 | 276.370 | 3.950 | 281.370 | 3.910 |
| 291.370 | 3.970 | 301.370 | 3.780 | 306.370 | 4.190 | 311.370 | 4.250 |
| 321.370 | 4.060 | 331.370 | 4.230 | 338.370 | 4.610 | 342.870 | 4.670 |
| 345.370 | 5.020 | 351.370 | 5.120 | 361.370 | 5.640 | 371.370 | 5.680 |
| 380.190 | 6.000 | 391.370 | 5.800 | 396.370 | 5.760 | 403.970 | 5.660 |
| 407.370 | 5.590 | 411.370 | 5.630 | 416.070 | 5.630 | 417.170 | 6.000 |
| 420.170 | 6.150 | 423.370 | 6.600 | 426.270 | 7.690 | 430.110 | 7.710 |
| 432.770 | 7.240 | 436.370 | 6.930 | 439.370 | 6.000 | 447.370 | 5.830 |
| 451.370 | 5.660 | 461.370 | 5.630 | 471.370 | 5.820 | 473.870 | 5.640 |
| 478.370 | 4.140 | 479.970 | 3.930 | 481.170 | 3.520 | 483.970 | 3.430 |
| 484.270 | 3.360 | 485.670 | 2.200 | 486.270 | 1.430 | 488.970 | 1.240 |
| 490.370 | 1.030 | 492.370 | 0.820 | 495.870 | 0.660 | 498.370 | 0.780 |
| 501.370 | 0.800 | 504.370 | 0.780 | 506.270 | 1.240 | 506.870 | 1.760 |
| 507.470 | 2.600 | 510.870 | 2.970 | 514.670 | 3.890 | 520.950 | 6.690 |
| 522.970 | 6.700 | 526.470 | 5.090 | 529.070 | 5.090 | 536.200 | 8.600 |
| 540.170 | 8.560 | 540.670 | 8.840 | 543.570 | 8.890 | 543.570 | 9.000 |
| 544.020 | 9.000 | 547.770 | 10.840 | 548.770 | 10.840 | 551.370 | 12.210 |
| 551.370 | 12.660 | 551.370 | 12.210 | 552.570 | 13.030 | 553.370 | 13.110 |
| 558.070 | 13.040 | 558.700 | 13.000 | 561.370 | 11.760 | 562.420 | 11.560 |
| 562.570 | 11.330 | 563.070 | 11.260 | 569.770 | 11.050 | 570.030 | 11.000 |
| 570.670 | 10.730 | 571.120 | 10.670 | 571.370 | 10.160 | 575.170 | 10.050 |
| 576.370 | 9.760 | 576.770 | 9.490 | 585.070 | 9.000 | 586.480 | 9.080 |
| 586.480 | 9.760 | 587.370 | 9.760 | 587.370 | 9.080 | 589.270 | 9.040 |
| 589.270 | 8.720 | 589.670 | 8.720 | 590.370 | 7.460 | 592.370 | 7.500 |
| 592.370 | 9.200 | 592.870 | 9.200 | 592.870 | 7.830 | 595.370 | 7.800 |
| 595.820 | 7.880 | 595.820 | 7.530 | | | | |
| 34.8 | 0.000 | | | | 236 | 53 136 | 29 219 |
| -47.400 | 4.320 | -47.000 | 4.730 | -46.550 | 4.780 | -46.400 | 5.160 |
| -45.900 | 5.160 | -45.900 | 5.300 | -37.900 | 5.450 | -37.800 | 5.420 |
| -37.800 | 5.130 | -37.500 | 5.130 | -37.430 | 5.420 | -37.300 | 5.530 |
| -33.440 | 5.630 | -33.130 | 6.120 | -31.800 | 6.190 | -30.900 | 6.610 |
| -29.500 | 6.730 | -26.240 | 6.890 | -26.000 | 7.370 | -24.800 | 7.450 |
| -16.720 | 10.620 | -12.600 | 10.850 | -7.550 | 13.180 | -6.900 | 13.190 |
| -4.000 | 13.240 | -1.400 | 13.070 | -0.800 | 12.960 | 0.000 | 12.580 |
| 0.000 | 13.120 | 0.000 | 12.580 | 6.700 | 9.420 | 10.100 | 9.060 |
| 13.200 | 7.680 | 14.200 | 7.490 | 14.400 | 7.490 | 14.400 | 7.350 |
| 15.470 | 7.290 | 19.530 | 5.290 | 19.830 | 5.290 | 22.610 | 4.970 |
| 23.800 | 4.370 | 24.510 | 4.300 | 26.110 | 4.160 | 35.310 | 4.070 |
| 41.110 | 3.970 | 44.110 | 3.930 | 49.810 | 3.760 | 61.510 | 3.790 |
| 64.610 | 3.680 | 64.860 | 3.680 | 64.860 | 3.560 | 66.610 | 3.490 |
| 66.910 | 3.500 | 66.910 | 3.300 | 67.310 | 3.300 | 67.310 | 3.100 |
| 67.710 | 3.100 | 67.710 | 2.900 | 68.110 | 2.900 | 68.110 | 2.700 |
| 68.480 | 2.700 | 68.480 | 2.510 | 68.870 | 2.510 | 68.870 | 2.310 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 69.250 | 2.310 | 69.250 | 2.120 | 69.640 | 2.120 | 69.640 | 1.920 |
| 70.020 | 1.920 | 70.020 | 1.730 | 70.420 | 1.730 | 70.420 | 1.530 |
| 70.810 | 1.530 | 70.810 | 1.340 | 71.200 | 1.340 | 71.200 | 1.140 |
| 71.580 | 1.140 | 71.580 | 0.950 | 71.980 | 0.950 | 71.980 | 0.760 |
| 72.380 | 0.760 | 72.380 | 0.530 | 72.780 | 0.530 | 72.780 | 0.340 |
| 73.180 | 0.340 | 73.180 | 0.190 | 76.620 | 0.170 | 81.620 | -0.370 |
| 86.620 | -0.250 | 91.630 | -0.150 | 96.630 | -0.030 | 101.640 | -0.150 |
| 106.640 | 0.150 | 111.640 | 0.250 | 116.650 | 0.250 | 121.650 | 0.550 |
| 126.650 | 0.600 | 131.660 | 0.550 | 136.660 | 0.570 | 141.670 | 0.530 |
| 146.670 | 0.650 | 151.670 | 0.630 | 156.680 | 0.550 | 161.680 | 0.550 |
| 166.680 | 0.450 | 171.690 | 0.350 | 176.690 | 0.350 | 181.700 | 0.230 |
| 186.700 | 0.250 | 191.700 | 0.230 | 196.710 | 0.370 | 201.710 | 0.050 |
| 206.710 | 0.050 | 211.720 | 0.150 | 216.720 | 0.370 | 221.730 | 0.500 |
| 226.730 | 0.450 | 231.730 | 0.370 | 236.740 | 0.100 | 241.740 | 0.350 |
| 246.740 | 0.700 | 248.450 | 0.950 | 250.050 | 1.090 | 254.850 | 1.280 |
| 254.850 | 1.460 | 254.850 | 1.280 | 256.250 | 1.060 | 256.750 | 0.840 |
| 260.550 | 0.840 | 264.650 | 0.870 | 270.250 | 0.840 | 273.850 | 0.900 |
| 276.650 | 1.080 | 278.050 | 1.620 | 290.550 | 2.590 | 294.540 | 4.960 |
| 300.450 | 4.970 | 302.150 | 4.550 | 305.650 | 4.620 | 315.650 | 4.730 |
| 321.550 | 4.710 | 322.650 | 4.410 | 325.650 | 4.460 | 335.650 | 4.530 |
| 345.650 | 4.550 | 355.650 | 4.690 | 365.650 | 4.720 | 375.650 | 4.670 |
| 385.650 | 5.170 | 389.650 | 5.750 | 395.650 | 6.070 | 405.650 | 6.160 |
| 415.050 | 6.220 | 418.050 | 6.210 | 422.850 | 6.160 | 425.650 | 6.580 |
| 431.350 | 8.350 | 433.770 | 8.510 | 435.350 | 8.450 | 436.750 | 8.200 |
| 439.750 | 7.570 | 442.550 | 7.210 | 445.550 | 5.950 | 447.350 | 5.870 |
| 455.650 | 6.210 | 465.650 | 6.430 | 475.650 | 6.340 | 485.650 | 6.060 |
| 488.650 | 5.990 | 489.850 | 5.930 | 491.650 | 5.910 | 493.650 | 5.860 |
| 496.650 | 5.180 | 500.650 | 4.710 | 504.450 | 4.660 | 505.650 | 4.970 |
| 509.150 | 5.300 | 515.650 | 5.500 | 525.650 | 5.760 | 535.650 | 6.030 |
| 545.650 | 6.230 | 555.650 | 6.200 | 565.650 | 6.120 | 575.650 | 5.940 |
| 580.650 | 6.040 | 583.550 | 6.070 | 584.100 | 6.030 | 584.850 | 5.770 |
| 587.150 | 5.270 | 591.150 | 4.830 | 597.350 | 4.490 | 601.150 | 2.640 |
| 602.060 | 2.650 | 602.300 | 2.480 | 602.800 | 1.740 | 603.550 | 1.700 |
| 605.650 | 1.360 | 610.650 | 1.170 | 615.650 | 0.830 | 620.650 | 0.880 |
| 623.750 | 1.650 | 624.250 | 1.800 | 624.250 | 2.400 | 624.550 | 2.650 |
| 626.450 | 2.880 | 630.590 | 4.890 | 633.950 | 4.960 | 634.450 | 5.060 |
| 643.450 | 8.900 | 646.800 | 8.960 | 646.800 | 9.070 | 647.350 | 9.070 |
| 651.600 | 10.910 | 652.750 | 10.910 | 655.650 | 12.300 | 655.650 | 12.750 |
| 655.650 | 12.300 | 657.350 | 13.310 | 657.950 | 13.400 | 664.750 | 13.420 |
| 665.110 | 13.340 | 669.350 | 11.440 | 674.900 | 11.150 | 675.150 | 10.630 |
| 679.350 | 10.520 | 679.570 | 10.500 | 687.750 | 7.680 | 688.400 | 7.650 |
| 689.450 | 6.270 | 694.890 | 6.070 | 695.050 | 6.030 | 695.050 | 5.750 |
| 695.400 | 5.750 | 695.400 | 6.030 | 695.450 | 6.890 | 695.750 | 6.890 |
| 35.0 | 0.000 | | | | 227 | 59.118 | 35.206 |
| -48.700 | 5.850 | -48.700 | 5.550 | -48.400 | 5.550 | -48.400 | 5.850 |
| -48.250 | 5.890 | -44.150 | 5.870 | -44.150 | 5.570 | -43.850 | 5.570 |
| -43.850 | 5.870 | -43.560 | 5.870 | -43.560 | 6.100 | -30.050 | 6.170 |
| -29.000 | 6.240 | -28.900 | 6.240 | -28.900 | 5.730 | -28.400 | 5.730 |
| -25.200 | 8.640 | -24.600 | 8.640 | -20.840 | 10.070 | -20.840 | 9.950 |
| -19.740 | 10.480 | -19.690 | 10.580 | -19.000 | 10.610 | -16.800 | 10.700 |
| -13.050 | 10.840 | -12.750 | 11.380 | -12.400 | 11.350 | -12.200 | 11.360 |
| -8.370 | 13.290 | -7.700 | 13.400 | -4.800 | 13.540 | -1.600 | 13.480 |
| -1.300 | 13.470 | 0.000 | 12.850 | 0.000 | 13.340 | 0.000 | 12.850 |
| 3.700 | 11.040 | 3.900 | 11.040 | 3.900 | 10.930 | 7.100 | 9.430 |
| 7.400 | 9.430 | 11.800 | 9.120 | 15.370 | 7.450 | 15.670 | 7.450 |
| 16.620 | 7.340 | 20.720 | 5.350 | 23.870 | 5.000 | 24.520 | 4.960 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 33.820 | 5.090 | 38.320 | 4.170 | 49.720 | 4.020 | 55.000 | 4.090 |
| 57.900 | 3.760 | 58.800 | 3.760 | 59.500 | 3.990 | 60.200 | 3.970 |
| 60.600 | 3.740 | 60.600 | 3.620 | 62.680 | 3.540 | 67.780 | 1.060 |
| 69.580 | 0.160 | 72.680 | 0.260 | 77.680 | 0.180 | 82.680 | 0.480 |
| 87.680 | 0.510 | 92.680 | 0.580 | 97.680 | 0.710 | 102.680 | 0.760 |
| 107.680 | 0.910 | 112.680 | 0.460 | 117.680 | 0.160 | 122.680 | 0.080 |
| 127.680 | 0.160 | 132.680 | 0.160 | 137.680 | 0.080 | 142.680 | 0.050 |
| 147.680 | 0.200 | 152.680 | 0.550 | 157.680 | 0.800 | 162.680 | 0.870 |
| 167.680 | 0.900 | 172.680 | 0.850 | 177.680 | 0.870 | 182.680 | 0.870 |
| 187.680 | 0.850 | 192.680 | 0.800 | 197.680 | 0.750 | 202.670 | 0.800 |
| 207.670 | 0.750 | 212.670 | 0.700 | 217.670 | 0.400 | 222.670 | 0.350 |
| 227.670 | 0.400 | 232.670 | 0.600 | 237.670 | 0.650 | 242.670 | 0.750 |
| 247.670 | 0.750 | 252.670 | 0.750 | 257.670 | 0.700 | 262.670 | 0.650 |
| 267.670 | 0.700 | 272.670 | 0.750 | 277.670 | 0.750 | 282.670 | 0.650 |
| 287.670 | 0.700 | 292.670 | 0.800 | 297.670 | 0.850 | 302.670 | 0.850 |
| 307.670 | 0.790 | 312.670 | 0.840 | 317.670 | 0.690 | 322.670 | 0.740 |
| 327.670 | 0.690 | 329.470 | 0.690 | 330.370 | 1.040 | 332.070 | 1.410 |
| 333.570 | 2.500 | 333.970 | 2.690 | 333.970 | 2.860 | 333.970 | 2.690 |
| 339.270 | 3.030 | 347.270 | 3.390 | 349.270 | 3.690 | 359.270 | 3.970 |
| 369.270 | 3.990 | 379.270 | 3.950 | 389.270 | 3.940 | 399.270 | 4.230 |
| 409.270 | 4.830 | 419.270 | 5.270 | 429.270 | 5.680 | 439.270 | 5.950 |
| 444.370 | 6.150 | 447.470 | 6.170 | 450.270 | 6.360 | 455.070 | 6.090 |
| 462.670 | 6.480 | 469.270 | 8.630 | 471.090 | 8.670 | 474.370 | 8.320 |
| 476.770 | 7.800 | 479.770 | 7.400 | 482.670 | 6.490 | 483.570 | 6.500 |
| 484.770 | 6.540 | 485.770 | 6.920 | 499.570 | 6.670 | 501.970 | 6.270 |
| 504.870 | 6.210 | 506.270 | 5.990 | 509.270 | 6.070 | 519.270 | 6.480 |
| 529.270 | 6.560 | 539.270 | 6.540 | 549.270 | 6.490 | 559.270 | 6.390 |
| 568.170 | 6.280 | 569.070 | 6.020 | 571.270 | 6.130 | 579.270 | 6.180 |
| 589.270 | 6.010 | 599.270 | 5.870 | 609.270 | 5.780 | 618.270 | 5.580 |
| 625.470 | 4.710 | 628.570 | 4.560 | 629.770 | 4.830 | 632.770 | 4.990 |
| 639.270 | 5.540 | 649.270 | 5.560 | 659.270 | 5.460 | 669.270 | 5.450 |
| 679.270 | 5.500 | 689.270 | 5.600 | 696.670 | 5.780 | 699.470 | 5.770 |
| 700.490 | 5.740 | 701.670 | 5.550 | 703.970 | 4.660 | 708.470 | 4.480 |
| 711.670 | 2.730 | 712.520 | 2.600 | 713.020 | 2.480 | 713.570 | 1.680 |
| 713.720 | 1.420 | 721.070 | 1.180 | 722.070 | 0.820 | 725.770 | 0.820 |
| 728.670 | 0.920 | 731.670 | 1.580 | 731.670 | 1.680 | 732.070 | 2.710 |
| 733.770 | 3.020 | 737.530 | 4.940 | 740.520 | 5.010 | 740.520 | 5.110 |
| 740.970 | 5.110 | 748.620 | 8.950 | 751.670 | 9.020 | 752.120 | 9.120 |
| 755.770 | 10.940 | 756.770 | 10.940 | 759.270 | 12.460 | 759.270 | 12.860 |
| 759.270 | 12.460 | 761.170 | 13.380 | 761.970 | 13.400 | 770.430 | 13.240 |
| 771.640 | 13.230 | 775.070 | 11.600 | 776.370 | 11.490 | 776.670 | 10.980 |
| 780.320 | 10.890 | 780.570 | 10.870 | 780.770 | 10.770 | 782.670 | 10.020 |
| 783.770 | 10.000 | 784.020 | 9.500 | 787.170 | 9.450 | 790.070 | 8.280 |
| 790.830 | 8.220 | 791.770 | 6.720 | 795.970 | 6.570 | 796.570 | 6.480 |
| 799.220 | 4.750 | 806.020 | 4.640 | 806.020 | 4.090 | | |
| 35.2 | 0.000 | | | | 229 | 42.112 | 25.210 |
| -49.150 | 6.860 | -48.550 | 6.720 | -47.250 | 6.680 | -46.650 | 6.870 |
| -43.250 | 6.780 | -43.250 | 6.630 | -42.550 | 6.640 | -41.850 | 6.730 |
| -36.800 | 6.870 | -36.350 | 6.830 | -34.520 | 6.780 | -34.520 | 6.460 |
| -34.220 | 6.460 | -34.220 | 6.780 | -26.750 | 7.020 | -17.400 | 10.730 |
| -13.300 | 10.920 | -8.500 | 13.290 | -8.300 | 13.310 | -7.800 | 13.390 |
| -5.000 | 13.440 | -2.000 | 13.330 | -1.300 | 13.220 | 0.000 | 12.580 |
| 0.000 | 13.020 | 0.000 | 12.580 | 6.000 | 9.580 | 9.520 | 9.210 |
| 12.000 | 8.090 | 14.660 | 7.570 | 14.860 | 7.570 | 15.920 | 7.370 |
| 19.000 | 5.870 | 21.630 | 5.540 | 23.200 | 5.300 | 31.400 | 5.410 |
| 33.400 | 4.820 | 38.900 | 4.670 | 44.200 | 4.310 | 49.900 | 4.290 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 58.200 | 4.160 | 63.900 | 4.000 | 64.100 | 3.740 | 64.300 | 3.740 |
| 64.900 | 3.620 | 65.400 | 3.690 | 70.190 | 1.180 | 71.990 | 0.350 |
| 75.390 | 0.580 | 80.380 | 0.880 | 85.380 | 0.960 | 90.370 | 1.000 |
| 95.370 | 1.000 | 100.360 | 0.980 | 105.360 | 0.910 | 110.350 | 0.800 |
| 115.350 | 0.730 | 120.340 | 0.980 | 125.340 | 1.060 | 130.330 | 1.130 |
| 135.320 | 1.130 | 140.320 | 1.070 | 145.310 | 1.080 | 150.310 | 1.080 |
| 155.300 | 1.130 | 157.550 | 1.180 | 160.300 | 1.200 | 165.290 | 1.190 |
| 170.290 | 1.110 | 175.280 | 0.810 | 180.280 | 0.690 | 185.270 | 0.890 |
| 190.270 | 0.710 | 195.260 | 0.760 | 200.250 | 0.790 | 205.250 | 0.810 |
| 210.240 | 0.790 | 215.240 | 0.790 | 220.230 | 0.710 | 225.230 | 0.410 |
| 230.220 | 0.210 | 235.220 | 0.110 | 240.210 | 0.210 | 245.210 | 0.210 |
| 250.200 | 0.360 | 255.200 | 0.490 | 260.190 | 0.530 | 265.180 | 0.610 |
| 270.180 | 0.660 | 275.170 | 0.710 | 280.170 | 0.660 | 285.160 | 0.660 |
| 290.160 | 0.590 | 295.150 | 0.410 | 300.150 | 0.430 | 305.140 | 0.560 |
| 310.140 | 0.710 | 315.130 | 0.630 | 320.130 | 0.710 | 325.120 | 0.760 |
| 330.110 | 0.810 | 335.110 | 0.570 | 338.510 | 0.240 | 340.100 | 0.570 |
| 340.300 | 0.740 | 342.800 | 1.120 | 343.200 | 1.710 | 344.100 | 1.970 |
| 344.100 | 2.150 | 344.100 | 1.970 | 345.140 | 2.080 | 347.520 | 3.610 |
| 353.540 | 4.210 | 360.040 | 4.770 | 362.040 | 4.820 | 372.040 | 5.180 |
| 382.040 | 5.360 | 392.040 | 5.520 | 402.040 | 5.610 | 412.040 | 5.670 |
| 422.040 | 5.710 | 432.040 | 5.770 | 442.040 | 5.870 | 452.040 | 5.890 |
| 462.040 | 6.040 | 472.040 | 6.120 | 482.040 | 6.330 | 484.540 | 6.480 |
| 487.840 | 6.520 | 497.540 | 6.500 | 500.640 | 7.040 | 502.640 | 6.950 |
| 508.360 | 8.710 | 511.840 | 8.610 | 515.540 | 7.960 | 518.940 | 7.660 |
| 521.740 | 6.720 | 523.040 | 6.570 | 525.090 | 6.480 | 526.540 | 6.440 |
| 528.540 | 6.290 | 532.040 | 6.380 | 542.040 | 6.540 | 552.040 | 6.720 |
| 562.040 | 6.750 | 572.040 | 6.700 | 580.540 | 6.620 | 581.840 | 6.420 |
| 583.540 | 6.450 | 585.540 | 6.660 | 592.040 | 6.730 | 602.040 | 6.670 |
| 612.040 | 6.520 | 622.040 | 6.380 | 632.040 | 6.220 | 636.540 | 6.160 |
| 641.540 | 5.880 | 644.040 | 5.660 | 646.040 | 5.620 | 649.040 | 5.660 |
| 652.040 | 5.890 | 662.040 | 5.990 | 672.040 | 5.920 | 682.040 | 5.800 |
| 692.040 | 5.620 | 702.040 | 5.460 | 712.040 | 5.280 | 715.540 | 5.060 |
| 718.540 | 4.740 | 722.040 | 4.360 | 725.540 | 4.290 | 728.040 | 4.440 |
| 730.240 | 4.880 | 733.040 | 5.220 | 734.540 | 5.240 | 735.040 | 5.370 |
| 742.040 | 5.810 | 752.040 | 6.260 | 754.540 | 6.680 | 756.140 | 6.810 |
| 758.240 | 6.740 | 759.540 | 6.690 | 759.880 | 6.610 | 760.940 | 6.380 |
| 767.540 | 4.600 | 772.640 | 3.690 | 774.140 | 2.880 | 774.870 | 2.680 |
| 775.340 | 2.510 | 775.940 | 1.740 | 776.140 | 1.400 | 779.040 | 1.220 |
| 781.240 | 0.530 | 786.440 | 0.530 | 790.140 | 1.470 | 793.540 | 1.740 |
| 794.840 | 2.800 | 796.090 | 3.080 | 800.050 | 5.030 | 802.990 | 5.090 |
| 803.440 | 5.180 | 811.240 | 9.030 | 814.140 | 9.080 | 814.640 | 9.170 |
| 818.340 | 11.020 | 819.340 | 11.020 | 822.040 | 12.530 | 822.040 | 13.010 |
| 822.040 | 12.530 | 823.490 | 13.300 | 825.240 | 13.390 | 832.640 | 13.340 |
| 834.180 | 13.260 | 837.740 | 11.460 | 838.490 | 11.410 | 838.740 | 10.910 |
| 842.190 | 10.840 | 842.450 | 10.840 | 843.140 | 10.690 | 849.240 | 8.320 |
| 849.860 | 8.300 | 850.740 | 6.810 | 855.390 | 6.600 | 855.440 | 6.260 |
| 855.790 | 6.260 | 855.790 | 6.560 | 856.560 | 6.590 | 858.140 | 5.520 |
| 858.940 | 5.300 | | | | | | |
| 35.4 | 0.000 | | | 240 | 46 | 117 | 25 216 |
| -48.350 | -3.100 | -48.350 | 4.680 | -48.450 | 4.730 | -48.450 | 5.110 |
| -45.300 | 5.090 | -39.000 | 6.910 | -38.100 | 6.910 | -37.300 | 6.910 |
| -36.960 | 6.880 | -35.500 | 6.900 | -35.400 | 6.900 | -35.200 | 6.900 |
| -31.300 | 7.000 | -30.700 | 7.000 | -26.700 | 7.020 | -17.500 | 10.860 |
| -13.500 | 11.110 | -12.700 | 11.290 | -8.290 | 13.670 | -7.450 | 13.790 |
| -5.800 | 13.840 | -1.800 | 13.780 | -1.000 | 13.610 | 0.000 | 13.080 |
| 0.000 | 13.570 | 0.000 | 13.080 | 3.800 | 11.150 | 4.000 | 11.150 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 4.000 | 11.040 | 6.420 | 9.850 | 6.720 | 9.850 | 6.720 | 9.740 |
| 10.030 | 9.440 | 13.600 | 7.720 | 13.900 | 7.720 | 13.900 | 7.620 |
| 15.690 | 7.460 | 17.700 | 6.460 | 18.900 | 6.310 | 23.200 | 6.110 |
| 28.100 | 5.840 | 29.000 | 5.830 | 29.000 | 5.690 | 32.000 | 4.190 |
| 34.290 | 4.050 | 36.190 | 3.430 | 36.390 | 3.430 | 36.390 | 1.250 |
| 36.390 | 0.150 | 39.290 | 0.500 | 44.290 | 0.670 | 49.290 | 0.750 |
| 54.300 | 0.690 | 59.300 | 0.640 | 64.300 | 0.690 | 69.300 | 0.740 |
| 74.300 | 0.840 | 79.300 | 0.780 | 84.300 | 0.680 | 89.310 | 0.780 |
| 94.310 | 0.750 | 99.310 | 0.980 | 104.310 | 1.180 | 109.310 | 1.170 |
| 114.310 | 1.120 | 119.310 | 1.170 | 124.320 | 1.070 | 129.320 | 1.040 |
| 134.320 | 1.040 | 136.520 | 1.210 | 139.320 | 1.240 | 144.320 | 1.250 |
| 149.320 | 1.240 | 154.320 | 1.230 | 159.320 | 1.280 | 164.330 | 1.290 |
| 169.330 | 1.290 | 173.030 | 1.220 | 174.330 | 1.170 | 179.330 | 1.060 |
| 184.330 | 0.790 | 189.330 | 0.660 | 194.330 | 0.660 | 199.340 | 0.660 |
| 204.340 | 0.510 | 209.340 | 0.450 | 214.340 | 0.400 | 219.340 | 0.380 |
| 224.340 | 0.450 | 229.340 | 0.580 | 234.350 | 0.710 | 239.350 | 0.910 |
| 244.350 | 0.390 | 249.350 | 0.410 | 254.350 | 0.510 | 259.350 | 0.470 |
| 264.350 | 0.400 | 269.360 | 0.480 | 274.360 | 0.360 | 279.360 | 0.560 |
| 284.360 | 0.730 | 289.360 | 0.820 | 294.360 | 0.970 | 299.360 | 1.020 |
| 304.370 | 0.820 | 309.370 | 0.670 | 314.370 | 0.320 | 318.070 | 1.160 |
| 320.570 | 1.610 | 320.570 | 1.850 | 320.570 | 1.610 | 323.790 | 2.280 |
| 326.990 | 2.770 | 336.790 | 3.470 | 340.990 | 3.990 | 341.490 | 4.640 |
| 341.740 | 4.640 | 349.590 | 4.940 | 359.590 | 4.990 | 369.590 | 4.930 |
| 379.590 | 4.950 | 389.590 | 4.930 | 399.590 | 4.990 | 409.590 | 5.040 |
| 419.590 | 5.130 | 429.590 | 5.220 | 439.590 | 5.500 | 449.590 | 5.800 |
| 459.590 | 6.340 | 462.990 | 6.600 | 465.890 | 6.610 | 476.590 | 7.050 |
| 480.990 | 8.700 | 483.240 | 8.810 | 483.790 | 8.740 | 485.990 | 8.650 |
| 488.390 | 8.070 | 491.590 | 7.790 | 496.190 | 6.540 | 498.990 | 6.300 |
| 500.290 | 5.950 | 501.890 | 5.970 | 503.490 | 6.160 | 509.890 | 6.480 |
| 510.290 | 6.410 | 511.890 | 6.420 | 515.090 | 7.060 | 519.590 | 7.080 |
| 529.590 | 7.220 | 539.590 | 7.260 | 547.890 | 7.480 | 551.390 | 6.550 |
| 559.590 | 6.660 | 569.590 | 6.780 | 579.590 | 6.810 | 589.590 | 6.640 |
| 599.590 | 6.500 | 609.590 | 6.480 | 619.590 | 6.450 | 629.590 | 6.350 |
| 631.390 | 6.260 | 634.190 | 5.820 | 636.890 | 5.800 | 641.390 | 6.260 |
| 642.290 | 6.220 | 642.490 | 6.150 | 642.990 | 6.140 | 644.090 | 6.210 |
| 644.190 | 6.080 | 644.590 | 6.040 | 644.890 | 6.150 | 645.790 | 6.300 |
| 648.590 | 6.340 | 651.790 | 6.540 | 657.090 | 6.560 | 658.790 | 6.140 |
| 665.990 | 5.720 | 668.590 | 5.070 | 669.590 | 5.200 | 674.590 | 5.380 |
| 679.590 | 5.620 | 689.590 | 5.750 | 699.590 | 5.820 | 709.590 | 6.040 |
| 719.590 | 6.280 | 722.590 | 6.430 | 724.890 | 6.760 | 726.590 | 6.750 |
| 728.590 | 6.780 | 729.190 | 6.770 | 729.690 | 6.610 | 730.990 | 6.360 |
| 738.390 | 4.640 | 741.590 | 2.850 | 742.380 | 2.740 | 742.940 | 2.560 |
| 743.340 | 1.940 | 743.490 | 1.710 | 747.290 | 1.540 | 751.990 | 0.970 |
| 756.090 | 0.950 | 758.590 | 1.540 | 761.190 | 1.940 | 762.390 | 2.780 |
| 763.390 | 3.000 | 775.730 | 9.030 | 778.640 | 9.130 | 779.090 | 9.260 |
| 780.290 | 9.790 | 783.190 | 9.760 | 785.940 | 11.070 | 786.940 | 11.070 |
| 789.590 | 12.540 | 789.590 | 13.070 | 789.590 | 12.540 | 791.290 | 13.460 |
| 792.490 | 13.540 | 800.390 | 13.380 | 801.810 | 13.320 | 805.890 | 11.460 |
| 806.440 | 11.450 | 806.740 | 10.950 | 810.140 | 10.890 | 810.490 | 10.870 |
| 810.970 | 10.740 | 816.040 | 7.270 | 816.490 | 7.270 | 816.490 | 7.110 |
| 820.990 | 6.930 | 820.990 | 6.710 | 821.290 | 6.710 | 821.290 | 7.040 |
| 821.430 | 7.030 | 821.740 | 7.030 | 821.740 | 7.930 | 821.890 | 7.930 |
| 821.890 | 6.300 | 822.190 | 6.300 | 829.140 | 6.130 | 833.590 | 6.170 |
| 35.6 | 0.000 | | | | 197 | 30.92 | 16.171 |
| -34.840 | 4.850 | -34.400 | 5.270 | -30.900 | 6.110 | -28.000 | 6.380 |
| -27.300 | 6.600 | -19.700 | 9.760 | -15.700 | 9.980 | -14.800 | 10.160 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| -7.910 | 13.460 | -7.800 | 13.570 | -7.450 | 13.650 | -5.000 | 13.690 |
| -2.000 | 13.620 | -1.500 | 13.550 | 0.000 | 12.580 | 0.000 | 13.130 |
| 0.000 | 12.580 | 2.400 | 11.100 | 3.490 | 11.100 | 7.170 | 9.260 |
| 7.620 | 9.260 | 7.620 | 9.150 | 10.540 | 9.120 | 16.600 | 6.080 |
| 18.110 | 6.000 | 23.700 | 5.870 | 32.500 | 5.640 | 42.900 | 5.090 |
| 45.600 | 4.600 | 52.500 | 4.050 | 53.500 | 3.680 | 53.970 | 3.670 |
| 58.770 | 1.270 | 59.480 | 0.970 | 63.980 | 0.870 | 68.980 | 0.920 |
| 73.990 | 1.090 | 78.990 | 1.170 | 84.000 | 1.150 | 89.000 | 1.090 |
| 94.010 | 1.020 | 99.010 | 1.020 | 104.020 | 1.050 | 109.020 | 1.050 |
| 114.030 | 0.950 | 119.030 | 0.970 | 124.040 | 1.020 | 129.040 | 1.050 |
| 134.050 | 0.970 | 139.050 | 0.880 | 144.060 | 0.880 | 149.060 | 0.910 |
| 154.070 | 0.910 | 159.070 | 0.980 | 164.070 | 0.980 | 169.080 | 0.880 |
| 174.080 | 0.780 | 179.090 | 0.980 | 184.090 | 0.880 | 189.100 | 0.780 |
| 194.100 | 0.760 | 199.110 | 0.710 | 204.110 | 0.710 | 209.120 | 0.760 |
| 214.120 | 0.610 | 219.130 | 0.640 | 224.130 | 0.460 | 229.140 | 0.410 |
| 234.140 | 0.460 | 239.150 | 0.460 | 244.150 | 0.440 | 249.160 | 0.510 |
| 254.160 | 0.640 | 259.170 | 0.710 | 264.170 | 0.660 | 269.170 | 0.560 |
| 274.180 | 0.610 | 279.180 | 0.680 | 284.190 | 0.760 | 289.190 | 0.760 |
| 294.200 | 0.840 | 299.200 | 1.210 | 299.900 | 1.260 | 302.210 | 1.400 |
| 305.890 | 1.430 | 305.890 | 1.610 | 305.890 | 1.430 | 318.800 | 1.330 |
| 323.100 | 3.410 | 331.600 | 4.530 | 336.400 | 4.890 | 338.900 | 5.890 |
| 341.100 | 6.060 | 344.220 | 6.230 | 344.220 | 5.980 | 347.600 | 5.910 |
| 351.900 | 5.860 | 353.600 | 5.530 | 354.900 | 5.480 | 357.600 | 5.490 |
| 361.600 | 5.420 | 371.600 | 5.470 | 381.600 | 5.510 | 391.600 | 5.510 |
| 401.600 | 5.640 | 411.600 | 5.580 | 421.600 | 5.610 | 431.600 | 5.560 |
| 438.800 | 5.520 | 442.300 | 6.550 | 450.600 | 6.520 | 455.600 | 6.990 |
| 461.600 | 8.970 | 464.360 | 8.990 | 466.600 | 8.750 | 472.000 | 7.910 |
| 473.600 | 7.260 | 481.600 | 7.110 | 489.200 | 7.010 | 489.700 | 6.710 |
| 501.000 | 6.480 | 501.600 | 6.840 | 511.000 | 6.920 | 513.600 | 6.590 |
| 521.600 | 6.350 | 531.600 | 6.520 | 541.600 | 6.380 | 551.600 | 6.550 |
| 561.600 | 6.840 | 571.600 | 6.950 | 581.600 | 6.990 | 591.600 | 7.050 |
| 601.600 | 6.990 | 611.600 | 6.920 | 621.600 | 6.740 | 631.600 | 6.640 |
| 641.600 | 6.620 | 651.600 | 6.380 | 661.600 | 6.380 | 671.600 | 6.270 |
| 681.600 | 6.140 | 691.600 | 5.970 | 701.600 | 6.040 | 705.100 | 6.110 |
| 706.700 | 6.540 | 709.100 | 6.500 | 711.880 | 6.610 | 721.500 | 4.430 |
| 723.800 | 2.960 | 724.270 | 2.880 | 725.200 | 2.580 | 725.550 | 1.970 |
| 725.750 | 1.670 | 731.100 | 1.550 | 735.100 | 1.080 | 738.100 | 0.970 |
| 741.400 | 1.620 | 743.100 | 1.770 | 744.100 | 1.970 | 744.100 | 2.640 |
| 744.500 | 2.640 | 749.480 | 5.140 | 752.800 | 5.320 | 760.500 | 9.150 |
| 763.450 | 9.200 | 763.450 | 9.310 | 763.900 | 9.310 | 767.550 | 11.140 |
| 768.550 | 11.140 | 771.600 | 12.980 | 771.600 | 13.510 | 771.600 | 12.980 |
| 772.800 | 13.500 | 773.800 | 13.570 | 775.650 | 13.660 | 775.750 | 14.010 |
| 775.950 | 14.010 | 775.950 | 13.750 | 782.100 | 13.760 | 782.660 | 13.710 |
| 786.800 | 11.570 | 787.800 | 11.470 | 788.050 | 10.970 | 791.400 | 10.910 |
| 791.650 | 10.900 | 792.160 | 10.770 | 797.200 | 7.320 | 797.600 | 7.320 |
| 797.600 | 7.130 | 801.650 | 6.970 | 801.650 | 6.720 | 801.900 | 6.720 |
| 802.230 | 7.020 | 802.700 | 6.980 | 803.300 | 6.240 | 810.500 | 6.020 |
| 813.100 | 6.240 | | | | | | |
| 35.8 | 0.000 | | | | 193 | 24 98 | 17 164 |
| -31.400 | 5.090 | -31.100 | 5.090 | -30.800 | 5.550 | -29.770 | 6.390 |
| -29.100 | 6.440 | -26.700 | 6.530 | -19.500 | 9.310 | -18.290 | 9.670 |
| -15.500 | 9.870 | -13.700 | 10.130 | -7.580 | 13.560 | -7.350 | 13.600 |
| -5.000 | 13.630 | -2.250 | 13.580 | -1.900 | 13.540 | -1.000 | 13.000 |
| -1.000 | 13.440 | 8.500 | 8.110 | 9.200 | 7.860 | 11.200 | 7.420 |
| 14.800 | 6.780 | 18.800 | 6.440 | 23.300 | 6.220 | 39.470 | 5.500 |
| 41.300 | 5.130 | 44.500 | 4.010 | 45.300 | 3.730 | 45.730 | 3.680 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 47.000 | 3.080 | 49.000 | 2.650 | 50.000 | 2.300 | 54.500 | 2.520 |
| 56.500 | 2.710 | 63.300 | 2.690 | 65.200 | 1.970 | 69.000 | 1.580 |
| 74.120 | 1.630 | 74.120 | 1.900 | 74.120 | 1.630 | 79.130 | 1.570 |
| 84.130 | 1.450 | 89.140 | 1.420 | 90.740 | 1.360 | 94.140 | 1.110 |
| 99.150 | 1.050 | 104.150 | 0.860 | 109.160 | 0.890 | 114.160 | 1.030 |
| 119.170 | 1.120 | 124.170 | 1.200 | 129.180 | 1.270 | 134.180 | 1.280 |
| 139.190 | 1.280 | 144.190 | 1.240 | 149.200 | 1.240 | 154.200 | 1.070 |
| 154.200 | 1.340 | 159.210 | 0.940 | 164.210 | 0.940 | 169.220 | 0.840 |
| 174.220 | 0.840 | 179.230 | 0.790 | 184.230 | 0.760 | 189.240 | 0.690 |
| 194.240 | 0.540 | 199.250 | 0.520 | 204.250 | 0.360 | 209.260 | 0.490 |
| 214.260 | 0.560 | 219.270 | 0.560 | 224.270 | 0.640 | 229.280 | 0.560 |
| 234.280 | 0.640 | 239.290 | 0.660 | 244.290 | 0.740 | 249.300 | 0.740 |
| 254.300 | 0.720 | 259.310 | 0.860 | 264.310 | 0.960 | 269.320 | 0.990 |
| 274.320 | 1.090 | 279.330 | 1.190 | 284.330 | 1.190 | 289.340 | 1.190 |
| 294.340 | 1.190 | 299.350 | 1.090 | 304.350 | 1.090 | 309.360 | 1.040 |
| 314.360 | 1.090 | 319.370 | 0.730 | 324.370 | 0.630 | 329.380 | 1.030 |
| 331.980 | 1.330 | 333.330 | 1.620 | 333.330 | 1.850 | 333.330 | 1.620 |
| 336.090 | 2.230 | 339.090 | 4.260 | 341.710 | 4.410 | 351.790 | 4.660 |
| 361.790 | 4.680 | 371.790 | 4.780 | 387.090 | 4.930 | 393.400 | 6.950 |
| 395.790 | 6.930 | 401.790 | 6.630 | 411.790 | 6.490 | 421.790 | 6.480 |
| 431.790 | 6.590 | 437.690 | 6.340 | 439.790 | 6.880 | 451.790 | 6.720 |
| 459.590 | 6.700 | 466.890 | 8.910 | 468.160 | 9.210 | 473.290 | 9.180 |
| 476.790 | 8.300 | 479.090 | 8.070 | 481.990 | 6.810 | 491.790 | 6.980 |
| 501.790 | 7.000 | 511.790 | 7.170 | 521.790 | 7.270 | 531.790 | 7.160 |
| 541.790 | 7.210 | 551.790 | 7.230 | 561.790 | 7.140 | 571.790 | 7.210 |
| 581.790 | 7.250 | 591.790 | 7.180 | 601.790 | 7.230 | 611.790 | 7.100 |
| 618.790 | 6.910 | 621.790 | 6.790 | 631.790 | 6.740 | 641.790 | 6.670 |
| 651.790 | 6.790 | 661.790 | 6.650 | 670.790 | 6.580 | 676.730 | 6.330 |
| 678.290 | 5.910 | 683.390 | 3.050 | 684.010 | 2.900 | 684.840 | 2.630 |
| 685.240 | 2.100 | 685.490 | 1.610 | 687.290 | 0.970 | 690.290 | 0.980 |
| 693.990 | 1.530 | 698.190 | 1.620 | 701.890 | 1.730 | 703.940 | 2.100 |
| 703.940 | 2.680 | 704.440 | 2.680 | 709.380 | 5.200 | 712.290 | 5.250 |
| 712.740 | 5.340 | 720.490 | 9.180 | 723.390 | 9.250 | 723.840 | 9.340 |
| 727.590 | 11.190 | 728.590 | 11.190 | 731.790 | 13.030 | 731.790 | 13.560 |
| 731.790 | 13.030 | 732.790 | 13.570 | 733.890 | 13.650 | 735.640 | 13.690 |
| 735.740 | 14.020 | 735.940 | 14.020 | 735.940 | 13.800 | 742.390 | 13.800 |
| 742.740 | 13.740 | 747.190 | 11.580 | 747.840 | 11.500 | 748.090 | 10.990 |
| 751.440 | 10.960 | 751.990 | 10.920 | 752.510 | 10.820 | 757.490 | 7.480 |
| 759.390 | 7.420 | 759.540 | 7.290 | 759.990 | 7.290 | 759.990 | 7.170 |
| 764.090 | 7.040 | 764.090 | 6.840 | 764.390 | 6.840 | 764.390 | 7.130 |
| 764.490 | 7.130 | 764.690 | 7.000 | 765.390 | 6.820 | 768.390 | 6.440 |
| 774.390 | 6.260 | | | | | | |
| 36.0 | 0.000 | | | | 207 | 66 125 | 16 175 |
| -31.980 | 5.320 | -31.780 | 5.450 | -31.580 | 5.520 | -28.750 | 6.470 |
| -26.250 | 6.580 | -23.550 | 7.610 | -18.250 | 9.790 | -14.490 | 10.060 |
| -10.530 | 11.930 | -7.910 | 13.520 | -7.700 | 13.550 | -4.400 | 13.640 |
| -1.450 | 13.500 | -0.300 | 13.100 | 0.000 | 12.940 | 0.000 | 13.510 |
| 0.000 | 12.940 | 3.750 | 10.860 | 6.320 | 9.430 | 10.650 | 7.370 |
| 11.740 | 7.230 | 17.530 | 7.140 | 18.180 | 6.900 | 21.190 | 6.320 |
| 24.080 | 5.260 | 25.880 | 4.610 | 27.180 | 3.960 | 27.430 | 3.960 |
| 28.530 | 3.820 | 33.480 | 1.370 | 34.890 | 0.710 | 39.530 | 0.740 |
| 41.830 | 0.950 | 45.130 | 0.840 | 48.830 | 1.330 | 49.730 | 1.650 |
| 51.880 | 2.960 | 53.620 | 4.300 | 56.920 | 6.330 | 58.020 | 6.800 |
| 61.600 | 6.910 | 63.930 | 6.630 | 66.080 | 5.010 | 67.910 | 3.200 |
| 69.010 | 1.700 | 70.060 | 1.380 | 73.810 | 1.120 | 79.360 | 0.920 |
| 85.110 | 0.760 | 92.110 | 0.600 | 93.560 | 0.770 | 94.410 | 1.080 |

S59横断データ (-0.6~56.2). dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 96.210 | 2.620 | 97.560 | 3.100 | 98.510 | 4.000 | 100.260 | 5.190 |
| 101.140 | 6.250 | 102.300 | 6.490 | 104.650 | 6.480 | 109.150 | 5.300 |
| 113.500 | 4.480 | 125.500 | 3.950 | 139.680 | 3.860 | 139.680 | 4.040 |
| 139.680 | 3.860 | 140.880 | 3.670 | 143.180 | 2.920 | 151.190 | 1.870 |
| 159.690 | 1.520 | 161.290 | 1.420 | 164.690 | 0.920 | 169.700 | 1.020 |
| 174.700 | 0.920 | 179.700 | 0.970 | 184.700 | 0.930 | 189.710 | 0.760 |
| 194.710 | 0.590 | 199.710 | 0.430 | 204.710 | 0.130 | 209.720 | 0.310 |
| 214.720 | 0.430 | 219.720 | 0.760 | 224.720 | 0.810 | 229.730 | 0.790 |
| 234.730 | 0.710 | 239.730 | 0.610 | 244.730 | 0.610 | 249.740 | 0.540 |
| 254.740 | 0.610 | 259.740 | 0.590 | 264.750 | 0.610 | 269.750 | 0.610 |
| 274.750 | 0.630 | 279.750 | 0.710 | 284.760 | 0.710 | 289.760 | 0.690 |
| 294.760 | 0.690 | 299.760 | 0.710 | 304.770 | 0.910 | 309.770 | 0.960 |
| 314.770 | 0.960 | 319.770 | 1.010 | 324.780 | 1.010 | 329.780 | 1.060 |
| 334.780 | 1.160 | 336.780 | 1.210 | 339.780 | 1.260 | 344.790 | 1.260 |
| 349.790 | 1.310 | 353.790 | 1.410 | 356.790 | 1.490 | 361.800 | 1.610 |
| 370.000 | 1.700 | 370.000 | 1.900 | 370.000 | 1.700 | 381.360 | 1.840 |
| 406.510 | 1.840 | 413.360 | 1.560 | 416.010 | 1.590 | 416.440 | 1.790 |
| 417.460 | 2.720 | 420.660 | 4.590 | 423.120 | 5.160 | 427.370 | 6.240 |
| 428.790 | 6.500 | 429.990 | 6.500 | 433.590 | 6.320 | 434.240 | 6.390 |
| 436.140 | 6.160 | 451.970 | 6.300 | 468.690 | 6.500 | 470.620 | 6.230 |
| 483.700 | 6.620 | 487.070 | 6.920 | 490.270 | 7.340 | 493.920 | 7.170 |
| 496.220 | 7.870 | 500.820 | 9.120 | 506.380 | 9.200 | 507.030 | 8.990 |
| 512.080 | 8.340 | 513.080 | 7.970 | 515.570 | 7.230 | 522.260 | 7.190 |
| 563.040 | 7.220 | 565.890 | 7.200 | 605.910 | 7.270 | 606.810 | 7.130 |
| 610.360 | 7.050 | 611.010 | 6.960 | 614.820 | 4.570 | 617.960 | 2.960 |
| 618.740 | 2.720 | 619.210 | 1.820 | 623.850 | 1.530 | 630.850 | 1.560 |
| 636.230 | 1.710 | 638.230 | 1.880 | 638.230 | 2.310 | 638.230 | 2.660 |
| 638.540 | 2.660 | 643.850 | 5.160 | 646.930 | 5.260 | 646.930 | 5.360 |
| 647.380 | 5.360 | 655.300 | 9.200 | 658.320 | 9.240 | 658.820 | 9.330 |
| 660.160 | 10.030 | 662.320 | 11.240 | 662.540 | 11.250 | 663.540 | 11.230 |
| 666.210 | 12.650 | 666.790 | 13.100 | 666.790 | 13.390 | 666.790 | 13.100 |
| 667.840 | 13.590 | 668.890 | 13.660 | 670.770 | 13.730 | 670.850 | 14.090 |
| 671.070 | 14.090 | 671.070 | 13.870 | 677.740 | 13.870 | 678.020 | 13.860 |
| 678.520 | 13.630 | 682.630 | 11.680 | 683.410 | 11.620 | 683.680 | 11.140 |
| 687.110 | 11.090 | 687.560 | 11.060 | 688.050 | 10.900 | 690.300 | 9.340 |
| 692.960 | 9.340 | 695.020 | 7.810 | 695.540 | 7.810 | 695.540 | 7.650 |
| 701.330 | 7.540 | 701.600 | 7.500 | 701.600 | 7.250 | 701.900 | 7.250 |
| 701.900 | 7.500 | 702.510 | 7.570 | 703.190 | 7.510 | 703.190 | 7.400 |
| 706.610 | 7.070 | 706.960 | 6.930 | 713.310 | 6.870 | | |
| 36.2 | 0.000 | | | 190 | 75 | 127 | 17 162 |
| -46.130 | 5.250 | -44.080 | 5.600 | -42.380 | 5.810 | -32.930 | 6.250 |
| -30.890 | 7.120 | -28.810 | 7.330 | -26.390 | 7.370 | -23.360 | 8.530 |
| -19.910 | 9.910 | -15.080 | 10.440 | -11.900 | 11.810 | -8.270 | 13.400 |
| -8.000 | 13.450 | -5.200 | 13.500 | -2.200 | 13.440 | -1.750 | 13.340 |
| -1.150 | 13.200 | 0.000 | 12.560 | 0.000 | 13.000 | 0.000 | 12.560 |
| 2.310 | 11.260 | 3.300 | 11.240 | 7.000 | 9.420 | 7.500 | 9.420 |
| 7.500 | 9.310 | 10.000 | 9.270 | 10.000 | 9.370 | 10.410 | 9.370 |
| 11.410 | 8.850 | 11.410 | 8.740 | 17.700 | 5.670 | 18.170 | 5.670 |
| 23.830 | 5.300 | 27.530 | 3.460 | 31.080 | 1.670 | 31.780 | 1.320 |
| 32.630 | 1.260 | 34.880 | 0.850 | 38.130 | 0.890 | 40.430 | 0.970 |
| 41.430 | 1.080 | 44.000 | 3.130 | 45.000 | 5.090 | 45.530 | 5.360 |
| 52.730 | 6.840 | 57.360 | 6.940 | 58.760 | 6.280 | 59.360 | 4.730 |
| 60.660 | 4.120 | 62.330 | 3.170 | 63.850 | 1.460 | 66.460 | 0.980 |
| 70.460 | 1.060 | 76.710 | 1.080 | 85.160 | 1.170 | 86.560 | 1.780 |
| 88.460 | 4.380 | 89.510 | 5.640 | 91.400 | 6.140 | 95.250 | 7.550 |
| 99.100 | 7.790 | 102.330 | 7.610 | 107.100 | 5.870 | 109.510 | 4.990 |

S59横断データ (-0.6~56.2). dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 116.150 | 4.720 | 119.750 | 5.230 | 144.700 | 5.720 | 161.860 | 6.020 |
| 168.450 | 6.140 | 174.960 | 5.780 | 174.960 | 5.920 | 174.960 | 5.780 |
| 177.960 | 5.190 | 189.950 | 4.300 | 193.840 | 4.080 | 197.040 | 1.640 |
| 197.940 | 1.430 | 199.940 | 0.880 | 204.930 | 0.930 | 209.930 | 1.160 |
| 214.920 | 1.160 | 219.920 | 1.290 | 224.920 | 1.240 | 229.910 | 1.160 |
| 234.910 | 1.160 | 239.900 | 1.190 | 244.900 | 1.060 | 249.890 | 1.060 |
| 254.890 | 1.040 | 259.890 | 0.940 | 264.880 | 0.860 | 269.880 | 0.860 |
| 274.870 | 0.820 | 279.870 | 0.640 | 284.860 | 0.460 | 289.860 | 0.440 |
| 294.850 | 0.360 | 299.850 | 0.290 | 304.850 | 0.220 | 309.840 | 0.190 |
| 314.840 | 0.120 | 319.830 | 0.160 | 324.830 | 0.140 | 329.820 | 0.190 |
| 334.820 | 0.240 | 339.820 | 0.260 | 344.810 | 0.330 | 349.810 | 0.500 |
| 354.800 | 0.600 | 359.800 | 0.770 | 364.790 | 0.950 | 369.790 | 1.000 |
| 374.780 | 1.200 | 379.780 | 1.250 | 384.780 | 1.450 | 388.270 | 1.590 |
| 391.270 | 1.580 | 391.270 | 1.800 | 391.270 | 1.580 | 407.510 | 1.930 |
| 423.010 | 2.060 | 438.430 | 1.870 | 448.380 | 1.600 | 451.000 | 1.810 |
| 453.820 | 3.930 | 458.420 | 6.310 | 461.120 | 6.740 | 490.450 | 7.040 |
| 501.680 | 7.590 | 507.290 | 9.210 | 508.710 | 9.430 | 514.610 | 9.230 |
| 519.540 | 8.590 | 526.330 | 7.900 | 531.980 | 6.520 | 534.910 | 4.830 |
| 537.620 | 3.240 | 538.320 | 3.150 | 539.070 | 2.820 | 539.470 | 1.890 |
| 540.190 | 1.910 | 544.190 | 1.640 | 554.790 | 1.590 | 556.290 | 1.790 |
| 557.840 | 2.060 | 557.840 | 2.540 | 557.840 | 2.800 | 558.290 | 2.810 |
| 559.190 | 3.240 | 563.240 | 5.270 | 566.170 | 5.360 | 566.620 | 5.470 |
| 571.570 | 8.010 | 574.510 | 7.980 | 574.510 | 8.090 | 577.120 | 9.390 |
| 579.540 | 9.460 | 580.060 | 9.470 | 583.690 | 11.290 | 584.740 | 11.310 |
| 587.740 | 13.020 | 587.740 | 13.430 | 587.740 | 13.020 | 588.720 | 13.570 |
| 589.040 | 13.700 | 591.880 | 13.860 | 591.910 | 14.220 | 592.150 | 14.220 |
| 592.150 | 14.000 | 598.670 | 13.780 | 598.930 | 13.740 | 603.600 | 11.280 |
| 607.960 | 10.960 | 611.230 | 8.700 | 612.430 | 7.810 | 614.980 | 7.630 |
| 615.330 | 7.540 | 619.580 | 7.340 | 619.750 | 7.310 | 620.110 | 7.290 |
| 620.210 | 7.390 | 620.400 | 7.010 | 620.500 | 7.010 | 627.080 | 6.660 |
| 632.300 | 6.590 | 634.470 | 6.490 | 634.470 | 6.190 | 634.770 | 6.190 |
| 634.770 | 6.490 | 635.100 | 6.560 | | | | |
| 36.4 | 0.000 | | | | 188 | 70 122 | 39 163 |
| -100.000 | 6.150 | -80.520 | 6.340 | -79.920 | 5.950 | -79.920 | 5.530 |
| -79.420 | 5.530 | -79.420 | 5.950 | -71.790 | 6.000 | -71.790 | 5.770 |
| -71.280 | 5.770 | -71.280 | 6.000 | -70.940 | 6.120 | -67.790 | 6.230 |
| -66.840 | 6.310 | -51.190 | 6.430 | -49.940 | 6.330 | -48.190 | 6.120 |
| -40.590 | 6.310 | -39.380 | 6.410 | -38.600 | 4.940 | -38.010 | 4.990 |
| -37.120 | 6.410 | -36.330 | 6.520 | -34.180 | 7.270 | -32.660 | 7.820 |
| -31.080 | 8.020 | -27.200 | 8.140 | -26.900 | 8.510 | -26.080 | 8.590 |
| -22.880 | 9.590 | -19.230 | 10.860 | -14.670 | 11.140 | -12.320 | 12.060 |
| -8.390 | 13.790 | -7.950 | 13.870 | -4.900 | 13.940 | -1.750 | 13.850 |
| -1.300 | 13.740 | 0.000 | 13.090 | 0.000 | 13.600 | 0.000 | 13.090 |
| 1.500 | 12.400 | 4.480 | 11.090 | 7.600 | 9.860 | 11.040 | 9.630 |
| 17.660 | 7.670 | 23.410 | 5.930 | 25.410 | 5.530 | 25.710 | 5.530 |
| 26.820 | 5.350 | 35.130 | 1.650 | 35.900 | 1.360 | 36.950 | 1.440 |
| 40.710 | 1.250 | 43.150 | 1.050 | 46.950 | 1.050 | 54.950 | 0.950 |
| 56.900 | 1.220 | 57.750 | 1.750 | 58.450 | 3.450 | 59.680 | 4.360 |
| 63.490 | 6.380 | 66.910 | 7.380 | 68.020 | 7.560 | 74.220 | 7.860 |
| 79.470 | 7.810 | 95.270 | 6.390 | 117.670 | 5.630 | 156.100 | 5.730 |
| 159.230 | 6.040 | 163.670 | 6.080 | 163.670 | 6.410 | 163.670 | 6.080 |
| 167.470 | 5.570 | 173.670 | 4.660 | 176.380 | 3.420 | 180.280 | 2.960 |
| 184.380 | 1.470 | 186.680 | 1.390 | 192.680 | 1.690 | 202.690 | 1.870 |
| 212.190 | 1.720 | 218.190 | 1.520 | 218.690 | 1.500 | 223.690 | 1.370 |
| 228.700 | 1.120 | 233.700 | 0.820 | 238.700 | 0.730 | 243.700 | 0.530 |
| 248.700 | 0.590 | 253.710 | 0.610 | 258.710 | 0.690 | 263.710 | 0.810 |

S59横断データ (-0.6~56.2). dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 268.710 | 0.960 | 273.710 | 0.930 | 278.720 | 1.090 | 283.720 | 0.490 |
| 288.720 | 0.430 | 293.720 | 0.510 | 298.720 | 0.480 | 303.730 | 0.520 |
| 308.730 | 0.500 | 313.730 | 0.580 | 318.730 | 0.620 | 323.730 | 0.620 |
| 328.740 | 0.650 | 333.740 | 0.700 | 338.740 | 0.750 | 343.740 | 0.750 |
| 348.750 | 0.750 | 353.750 | 0.880 | 358.750 | 0.890 | 363.750 | 0.940 |
| 368.750 | 1.010 | 373.760 | 1.110 | 378.760 | 1.170 | 383.760 | 1.270 |
| 388.760 | 1.240 | 393.360 | 1.490 | 395.760 | 1.850 | 398.970 | 3.750 |
| 402.770 | 4.860 | 406.970 | 6.210 | 410.070 | 6.740 | 410.070 | 6.950 |
| 410.070 | 6.740 | 414.470 | 7.040 | 424.390 | 7.670 | 437.770 | 7.870 |
| 439.860 | 9.050 | 446.220 | 9.330 | 451.920 | 9.240 | 455.380 | 7.570 |
| 458.500 | 6.260 | 460.280 | 5.900 | 462.100 | 4.790 | 464.250 | 3.420 |
| 464.750 | 3.240 | 465.500 | 2.660 | 466.000 | 2.300 | 468.200 | 2.180 |
| 468.200 | 1.780 | 476.360 | 1.570 | 482.860 | 1.890 | 484.350 | 2.220 |
| 484.350 | 2.620 | 484.350 | 2.860 | 485.200 | 3.200 | 485.750 | 3.290 |
| 489.800 | 5.330 | 492.720 | 5.410 | 493.190 | 5.520 | 496.220 | 7.020 |
| 496.220 | 7.130 | 500.820 | 9.450 | 502.650 | 9.470 | 506.270 | 9.420 |
| 506.750 | 9.520 | 510.400 | 11.360 | 511.390 | 11.370 | 514.160 | 13.020 |
| 514.160 | 13.730 | 514.160 | 13.020 | 515.360 | 13.660 | 517.320 | 13.760 |
| 518.460 | 13.840 | 518.760 | 13.970 | 525.330 | 13.810 | 525.610 | 13.750 |
| 526.210 | 13.490 | 530.640 | 11.280 | 534.990 | 11.000 | 535.140 | 10.990 |
| 537.040 | 9.700 | 537.360 | 9.680 | 539.440 | 9.520 | 539.640 | 9.530 |
| 542.840 | 7.310 | 543.140 | 7.300 | 546.610 | 7.100 | 546.980 | 7.030 |
| 546.980 | 6.900 | 547.230 | 6.900 | 547.230 | 7.030 | 547.610 | 7.090 |
| 548.610 | 6.780 | 554.860 | 6.730 | 558.960 | 6.710 | 561.060 | 6.830 |
| 36.6 | 0.000 | | | | 197 | 65.117 | 24.163 |
| -43.670 | 6.050 | -41.020 | 5.870 | -38.120 | 5.790 | -36.320 | 5.820 |
| -35.180 | 5.560 | -35.180 | 4.950 | -34.650 | 5.030 | -33.910 | 6.440 |
| -33.400 | 6.530 | -29.550 | 7.990 | -25.120 | 8.270 | -24.810 | 8.660 |
| -23.970 | 8.760 | -21.320 | 9.750 | -17.920 | 10.960 | -14.120 | 11.200 |
| -12.220 | 12.070 | -8.670 | 13.890 | -8.150 | 13.960 | -5.500 | 14.030 |
| -2.440 | 13.890 | -2.100 | 13.870 | -1.000 | 13.260 | -1.000 | 13.770 |
| -1.000 | 13.260 | 0.100 | 12.590 | 2.750 | 11.130 | 4.700 | 10.010 |
| 6.350 | 9.440 | 8.850 | 9.220 | 9.770 | 8.930 | 13.190 | 7.300 |
| 13.490 | 7.270 | 29.310 | 6.750 | 53.320 | 6.740 | 62.780 | 7.000 |
| 70.570 | 6.760 | 72.170 | 6.700 | 73.070 | 6.300 | 75.690 | 5.730 |
| 76.330 | 5.290 | 80.150 | 4.850 | 81.830 | 3.400 | 84.210 | 1.740 |
| 87.230 | 1.390 | 93.730 | 1.370 | 100.030 | 1.380 | 105.330 | 1.340 |
| 107.750 | 1.500 | 108.370 | 1.770 | 109.050 | 2.940 | 109.720 | 3.330 |
| 110.850 | 5.140 | 111.840 | 5.260 | 126.970 | 5.100 | 130.170 | 6.560 |
| 132.920 | 7.910 | 139.720 | 8.200 | 145.820 | 8.100 | 151.570 | 6.930 |
| 156.600 | 6.070 | 162.690 | 5.690 | 174.520 | 5.980 | 175.320 | 5.760 |
| 179.310 | 6.060 | 179.310 | 6.330 | 179.310 | 6.060 | 180.610 | 5.820 |
| 180.610 | 4.540 | 184.100 | 2.990 | 185.000 | 2.240 | 185.900 | 1.940 |
| 186.200 | 1.530 | 187.900 | 0.230 | 189.300 | 0.250 | 194.290 | 0.280 |
| 199.290 | 0.430 | 204.280 | 0.510 | 209.270 | 0.550 | 214.270 | 0.630 |
| 219.260 | 0.680 | 224.250 | 0.710 | 229.250 | 0.730 | 234.240 | 0.680 |
| 239.240 | 0.780 | 244.230 | 0.820 | 249.220 | 0.870 | 254.220 | 0.920 |
| 259.210 | 1.020 | 264.200 | 1.120 | 269.200 | 1.120 | 274.190 | 1.020 |
| 279.190 | 1.170 | 284.180 | 1.170 | 289.170 | 1.170 | 294.170 | 1.170 |
| 299.160 | 1.170 | 304.150 | 1.190 | 309.150 | 1.230 | 314.140 | 1.030 |
| 319.140 | 0.960 | 324.130 | 1.060 | 329.120 | 0.960 | 334.120 | 1.190 |
| 339.110 | 1.160 | 344.110 | 0.710 | 349.100 | 0.790 | 354.090 | 0.730 |
| 359.090 | 0.760 | 364.080 | 0.800 | 369.070 | 0.750 | 373.670 | 0.800 |
| 374.670 | 1.500 | 379.680 | 3.870 | 382.160 | 4.000 | 382.660 | 4.100 |
| 386.250 | 5.850 | 388.270 | 5.930 | 388.270 | 6.030 | 388.550 | 6.030 |
| 388.670 | 6.060 | 388.670 | 6.190 | 388.670 | 6.060 | 391.910 | 6.230 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 395.180 | 6.720 | 411.960 | 7.470 | 413.370 | 8.020 | 422.320 | 8.270 |
| 424.190 | 9.070 | 425.430 | 9.230 | 431.290 | 9.310 | 432.720 | 8.430 |
| 435.540 | 7.300 | 437.080 | 6.690 | 439.090 | 6.520 | 439.590 | 6.400 |
| 440.340 | 5.960 | 443.640 | 4.190 | 445.360 | 3.580 | 450.610 | 3.190 |
| 451.110 | 2.600 | 451.910 | 2.230 | 452.910 | 1.860 | 458.910 | 1.760 |
| 462.910 | 1.200 | 466.910 | 1.370 | 468.460 | 1.630 | 468.610 | 2.650 |
| 468.660 | 2.770 | 468.990 | 3.200 | 469.310 | 3.300 | 470.910 | 3.960 |
| 475.340 | 4.590 | 475.340 | 5.080 | 476.540 | 5.060 | 480.850 | 7.190 |
| 485.530 | 9.510 | 492.790 | 10.240 | 492.790 | 10.360 | 493.130 | 10.370 |
| 494.930 | 11.260 | 499.410 | 13.500 | 499.410 | 13.940 | 499.410 | 13.500 |
| 499.660 | 13.600 | 500.410 | 13.900 | 500.960 | 13.900 | 506.070 | 14.030 |
| 509.490 | 14.020 | 509.690 | 14.020 | 509.990 | 14.020 | 510.040 | 13.670 |
| 511.840 | 12.100 | 513.640 | 10.370 | 513.990 | 10.370 | 516.440 | 10.130 |
| 516.600 | 10.090 | 517.950 | 8.640 | 518.280 | 8.630 | 521.230 | 8.480 |
| 522.450 | 7.300 | 522.800 | 7.300 | 525.870 | 7.130 | 527.260 | 6.950 |
| 533.330 | 6.510 | 540.780 | 6.280 | 540.880 | 6.280 | 540.880 | 5.600 |
| 542.730 | 5.640 | 542.730 | 5.210 | 543.580 | 5.210 | 543.580 | 5.440 |
| 544.480 | 5.480 | 544.780 | 5.940 | 545.130 | 6.730 | 547.180 | 6.630 |
| 548.780 | 6.370 | | | | | | |
| 36.8 | 0.000 | | | | 170 | 76 129 | 28 145 |
| -102.000 | 6.500 | -86.850 | 6.610 | -44.090 | 6.500 | -39.590 | 6.510 |
| -37.890 | 6.470 | -36.460 | 6.470 | -36.430 | 6.300 | -36.430 | 5.750 |
| -35.980 | 5.750 | -35.530 | 6.510 | -34.650 | 6.780 | -31.060 | 8.100 |
| -26.480 | 8.290 | -26.230 | 8.740 | -25.400 | 8.810 | -21.180 | 10.430 |
| -19.430 | 11.050 | -15.870 | 11.270 | -15.120 | 11.410 | -12.720 | 12.440 |
| -9.920 | 13.840 | -9.600 | 14.030 | -9.300 | 14.100 | -6.450 | 14.170 |
| -3.300 | 14.060 | -3.050 | 13.940 | -2.000 | 13.330 | -2.000 | 13.900 |
| -2.000 | 13.330 | -0.650 | 12.530 | 1.450 | 11.380 | 3.030 | 10.440 |
| 5.050 | 9.490 | 6.580 | 9.330 | 8.880 | 9.000 | 9.880 | 8.360 |
| 24.330 | 8.290 | 56.190 | 7.830 | 76.800 | 7.590 | 77.130 | 7.590 |
| 77.130 | 7.480 | 78.150 | 7.450 | 82.590 | 5.280 | 83.080 | 5.280 |
| 85.650 | 5.150 | 86.800 | 4.570 | 86.800 | 4.470 | 90.910 | 2.450 |
| 103.980 | 2.410 | 106.080 | 1.830 | 107.780 | 1.690 | 114.130 | 1.890 |
| 115.030 | 1.920 | 118.380 | 1.440 | 122.880 | 1.430 | 127.180 | 1.290 |
| 131.480 | 1.300 | 132.930 | 1.840 | 133.780 | 2.690 | 134.980 | 3.130 |
| 136.480 | 5.120 | 146.730 | 5.650 | 152.520 | 5.640 | 154.720 | 6.320 |
| 158.100 | 7.360 | 163.050 | 7.620 | 170.250 | 7.750 | 174.300 | 7.640 |
| 174.300 | 7.790 | 174.300 | 7.640 | 179.300 | 6.970 | 183.810 | 5.390 |
| 190.910 | 5.350 | 195.720 | 5.420 | 197.520 | 5.110 | 203.630 | 5.280 |
| 203.630 | 4.500 | 208.130 | 1.520 | 209.330 | 1.270 | 214.340 | 0.970 |
| 219.340 | 0.540 | 224.340 | 0.720 | 229.350 | 0.830 | 234.350 | 0.730 |
| 239.360 | 0.830 | 244.360 | 0.750 | 249.370 | 0.780 | 254.370 | 0.610 |
| 259.370 | 0.650 | 264.380 | 0.730 | 269.380 | 0.710 | 274.390 | 0.610 |
| 279.390 | 0.680 | 284.400 | 0.880 | 289.400 | 0.890 | 294.410 | 0.860 |
| 299.410 | 0.820 | 304.410 | 0.790 | 309.420 | 0.860 | 314.420 | 0.940 |
| 319.430 | 0.960 | 324.430 | 0.960 | 329.440 | 0.990 | 334.440 | 1.060 |
| 339.450 | 1.060 | 344.450 | 1.090 | 349.450 | 1.150 | 354.460 | 1.150 |
| 359.460 | 1.200 | 364.470 | 1.300 | 369.470 | 1.330 | 374.480 | 1.350 |
| 379.480 | 1.370 | 384.480 | 1.270 | 389.490 | 1.200 | 394.490 | 0.700 |
| 399.500 | 0.600 | 404.500 | 0.550 | 409.010 | 0.560 | 410.510 | 1.560 |
| 415.470 | 3.950 | 418.010 | 4.060 | 418.010 | 4.160 | 418.410 | 4.160 |
| 422.050 | 5.880 | 424.050 | 5.970 | 424.320 | 6.070 | 424.420 | 6.190 |
| 424.510 | 6.140 | 424.510 | 6.340 | 424.510 | 6.140 | 449.590 | 6.360 |
| 461.280 | 6.630 | 461.490 | 6.700 | 461.840 | 6.760 | 463.190 | 7.450 |
| 467.400 | 9.560 | 468.400 | 9.640 | 468.400 | 9.750 | 468.620 | 9.750 |
| 470.540 | 10.060 | 473.300 | 11.400 | 476.310 | 12.910 | 476.800 | 13.190 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 476.800 | 13.650 | 476.800 | 13.190 | 478.200 | 13.780 | 481.650 | 13.830 |
| 484.910 | 13.720 | 488.610 | 11.920 | 489.490 | 11.780 | 489.860 | 11.390 |
| 495.280 | 11.240 | 495.510 | 11.230 | 495.510 | 11.450 | 495.710 | 11.450 |
| 495.710 | 11.190 | 495.920 | 11.190 | 497.070 | 10.120 | 497.370 | 10.120 |
| 501.540 | 9.590 | 506.310 | 7.450 | 509.640 | 5.850 | 512.090 | 4.800 |
| 520.860 | 4.460 | 521.960 | 4.110 | 522.460 | 3.350 | 524.860 | 2.710 |
| 525.090 | 2.310 | 526.090 | 2.090 | | | | |
| 37.0 | 0.000 | | | | 164 | 68 126 | 24 139 |
| -46.620 | 6.960 | -45.320 | 6.940 | -45.070 | 6.940 | -45.000 | 6.380 |
| -45.000 | 5.960 | -44.700 | 5.960 | -44.700 | 6.380 | -39.570 | 6.480 |
| -38.820 | 6.690 | -34.870 | 7.160 | -34.520 | 7.520 | -32.520 | 8.070 |
| -25.490 | 8.380 | -25.290 | 8.780 | -24.340 | 8.870 | -21.090 | 10.130 |
| -18.350 | 11.230 | -14.450 | 11.450 | -12.800 | 12.090 | -9.150 | 14.040 |
| -8.750 | 14.180 | -5.800 | 14.190 | -3.000 | 14.090 | -1.530 | 13.850 |
| 0.000 | 12.950 | 0.000 | 13.450 | 0.000 | 12.950 | 0.600 | 12.630 |
| 2.400 | 11.530 | 3.460 | 11.530 | 7.210 | 9.700 | 7.740 | 9.700 |
| 7.740 | 9.590 | 10.620 | 9.530 | 13.500 | 8.120 | 29.500 | 7.950 |
| 52.000 | 7.700 | 52.250 | 7.700 | 52.250 | 7.600 | 53.200 | 7.570 |
| 58.400 | 5.380 | 60.000 | 5.320 | 62.050 | 5.160 | 65.050 | 3.860 |
| 69.800 | 1.950 | 70.750 | 1.500 | 74.050 | 1.530 | 79.050 | 1.380 |
| 87.050 | 1.210 | 89.050 | 2.120 | 90.310 | 2.290 | 93.740 | 3.990 |
| 96.240 | 5.340 | 96.790 | 6.670 | 100.540 | 6.780 | 103.840 | 7.490 |
| 108.240 | 7.640 | 111.950 | 6.380 | 149.840 | 6.070 | 165.640 | 5.940 |
| 199.070 | 6.240 | 208.220 | 5.950 | 208.220 | 6.130 | 208.220 | 5.950 |
| 213.220 | 5.470 | 215.220 | 4.760 | 220.720 | 4.450 | 228.820 | 4.640 |
| 228.820 | 3.180 | 231.420 | 1.610 | 233.220 | 1.360 | 234.220 | 0.610 |
| 238.220 | 0.810 | 243.220 | 0.760 | 248.220 | 0.830 | 253.230 | 0.920 |
| 258.230 | 0.920 | 263.230 | 0.980 | 268.230 | 1.050 | 273.230 | 1.000 |
| 278.230 | 1.020 | 283.230 | 0.920 | 288.230 | 0.820 | 293.230 | 0.700 |
| 298.230 | 0.680 | 303.230 | 0.700 | 308.230 | 0.600 | 313.230 | 0.490 |
| 318.230 | 0.390 | 323.230 | 0.340 | 328.230 | 0.310 | 333.230 | 0.340 |
| 338.240 | 0.410 | 343.240 | 0.690 | 348.240 | 0.990 | 353.240 | 0.790 |
| 358.240 | 0.640 | 363.240 | 0.590 | 368.240 | 0.780 | 370.240 | 1.180 |
| 373.240 | 1.330 | 378.240 | 1.430 | 383.240 | 1.560 | 388.240 | 1.580 |
| 393.240 | 1.580 | 398.240 | 1.590 | 403.240 | 1.620 | 406.040 | 1.600 |
| 408.240 | 1.550 | 413.240 | 1.550 | 418.240 | 1.550 | 423.250 | 1.510 |
| 428.250 | 1.460 | 433.250 | 1.490 | 438.250 | 1.510 | 443.250 | 1.460 |
| 447.270 | 1.410 | 447.650 | 1.610 | 452.450 | 3.980 | 454.950 | 4.080 |
| 454.950 | 4.190 | 455.450 | 4.200 | 458.750 | 5.940 | 460.750 | 6.040 |
| 460.750 | 6.140 | 461.050 | 6.140 | 461.300 | 6.200 | 461.300 | 6.400 |
| 461.300 | 6.200 | 482.480 | 6.620 | 497.630 | 6.650 | 509.870 | 6.520 |
| 512.120 | 7.640 | 515.790 | 9.460 | 518.690 | 9.480 | 519.210 | 9.580 |
| 522.890 | 11.410 | 523.900 | 11.410 | 525.920 | 12.620 | 526.430 | 13.000 |
| 526.430 | 13.470 | 526.430 | 13.000 | 527.850 | 13.810 | 531.430 | 14.120 |
| 534.650 | 14.000 | 538.670 | 13.620 | 542.390 | 11.920 | 544.540 | 10.990 |
| 546.090 | 10.660 | 546.190 | 10.320 | 551.770 | 10.140 | 552.100 | 10.110 |
| 552.600 | 9.860 | 554.770 | 8.160 | 560.020 | 6.040 | 563.440 | 4.860 |
| 569.420 | 4.500 | 570.440 | 4.220 | 572.070 | 3.310 | 572.520 | 2.750 |
| 572.830 | 2.420 | 572.930 | 2.420 | 572.930 | 2.270 | 574.420 | 2.300 |
| 37.2 | 0.000 | | | | 179 | 74 136 | 25 158 |
| -42.970 | 10.520 | -41.340 | 10.520 | -35.570 | 10.820 | -34.670 | 10.820 |
| -31.170 | 10.290 | -31.170 | 11.560 | -31.020 | 11.560 | -31.020 | 9.820 |
| -30.050 | 9.820 | -27.750 | 9.780 | -25.850 | 10.330 | -23.300 | 11.340 |
| -22.710 | 11.370 | -19.950 | 11.540 | -16.650 | 11.770 | -16.200 | 11.880 |
| -15.980 | 12.210 | -15.280 | 12.380 | -11.680 | 14.180 | -11.350 | 14.380 |
| -11.000 | 14.440 | -8.700 | 14.500 | -6.100 | 14.440 | -3.600 | 14.280 |

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|----------|--------|----------|--------|----------|--------|----------|--------|
| -1.700 | 13.960 | 0.000 | 13.210 | 0.000 | 13.740 | 0.000 | 13.210 |
| 0.400 | 13.060 | 0.400 | 12.920 | 2.950 | 11.550 | 3.970 | 11.560 |
| 4.210 | 11.560 | 4.770 | 11.270 | 7.770 | 9.730 | 8.240 | 9.730 |
| 8.240 | 9.630 | 11.220 | 9.590 | 14.920 | 7.820 | 15.370 | 7.820 |
| 15.370 | 7.720 | 16.920 | 7.660 | 16.920 | 7.550 | 17.970 | 7.500 |
| 21.470 | 5.240 | 23.070 | 4.210 | 29.070 | 2.920 | 29.870 | 2.210 |
| 30.670 | 2.120 | 34.570 | 2.010 | 46.070 | 2.340 | 49.070 | 2.330 |
| 56.570 | 1.820 | 59.570 | 1.530 | 61.770 | 1.520 | 65.070 | 1.510 |
| 69.570 | 1.480 | 72.670 | 3.390 | 76.370 | 5.190 | 77.340 | 5.230 |
| 77.340 | 5.330 | 77.590 | 5.330 | 81.040 | 5.530 | 83.390 | 6.660 |
| 86.190 | 7.780 | 103.440 | 7.960 | 126.440 | 8.230 | 130.440 | 6.480 |
| 135.840 | 6.330 | 138.140 | 6.170 | 185.340 | 5.880 | 212.570 | 6.160 |
| 234.760 | 6.090 | 238.410 | 5.890 | 238.410 | 6.090 | 238.410 | 5.890 |
| 239.410 | 5.670 | 241.900 | 4.600 | 248.890 | 4.130 | 250.690 | 2.990 |
| 259.980 | 3.150 | 261.270 | 2.440 | 268.860 | 2.370 | 269.460 | 1.700 |
| 270.160 | 1.600 | 270.560 | 1.400 | 273.350 | 1.500 | 278.350 | 1.480 |
| 283.340 | 1.430 | 288.330 | 1.450 | 293.320 | 1.440 | 298.320 | 1.390 |
| 303.310 | 1.440 | 308.300 | 1.390 | 313.290 | 1.290 | 318.280 | 1.180 |
| 323.280 | 1.080 | 328.270 | 1.000 | 333.260 | 0.880 | 338.250 | 0.860 |
| 343.240 | 0.880 | 348.240 | 0.890 | 353.230 | 0.920 | 358.220 | 0.820 |
| 363.210 | 0.750 | 368.210 | 0.790 | 373.200 | 0.810 | 378.190 | 0.810 |
| 383.180 | 0.910 | 388.170 | 0.780 | 393.170 | 0.760 | 398.160 | 0.670 |
| 403.150 | 0.630 | 408.140 | 0.550 | 413.130 | 0.650 | 418.130 | 0.730 |
| 423.120 | 0.730 | 428.110 | 0.660 | 433.100 | 0.620 | 438.090 | 0.740 |
| 438.590 | 0.960 | 441.090 | 1.260 | 443.090 | 1.360 | 448.080 | 1.440 |
| 453.070 | 1.330 | 458.060 | 1.330 | 463.060 | 1.330 | 468.050 | 1.330 |
| 473.040 | 1.280 | 478.030 | 1.320 | 483.020 | 1.320 | 488.020 | 1.320 |
| 493.010 | 1.320 | 493.510 | 1.520 | 494.810 | 1.860 | 497.900 | 4.010 |
| 498.700 | 4.040 | 498.700 | 4.220 | 498.700 | 4.040 | 506.300 | 4.900 |
| 517.000 | 5.540 | 534.800 | 5.910 | 559.270 | 5.760 | 571.180 | 6.410 |
| 572.250 | 6.900 | 578.900 | 7.140 | 578.900 | 7.240 | 579.300 | 7.240 |
| 583.950 | 9.500 | 586.900 | 9.500 | 586.900 | 9.600 | 587.300 | 9.600 |
| 591.000 | 11.430 | 592.000 | 11.430 | 594.520 | 12.780 | 594.520 | 13.480 |
| 594.520 | 12.780 | 596.470 | 14.140 | 600.070 | 14.250 | 603.170 | 14.270 |
| 606.550 | 14.110 | 608.970 | 12.850 | 610.570 | 12.140 | 612.370 | 11.320 |
| 613.970 | 11.200 | 614.170 | 10.710 | 620.560 | 10.550 | 620.970 | 10.460 |
| 624.750 | 8.480 | 629.300 | 6.230 | 632.330 | 4.930 | 638.650 | 4.420 |
| 640.320 | 3.810 | 641.050 | 3.410 | 641.400 | 2.850 | 641.550 | 2.650 |
| 641.850 | 2.480 | 642.450 | 2.350 | 643.450 | 2.170 | | |
| 37.4 | 0.000 | | | 172 | 68 | 120 | 49 |
| -105.000 | 8.730 | -102.900 | 8.790 | -102.750 | 8.500 | -101.650 | 8.500 |
| -98.950 | 6.920 | -96.500 | 5.490 | -93.390 | 3.670 | -87.540 | 3.170 |
| -86.440 | 2.160 | -85.640 | 1.810 | -82.240 | 1.780 | -76.240 | 1.830 |
| -72.740 | 1.810 | -71.590 | 1.940 | -71.590 | 3.660 | -70.490 | 4.040 |
| -70.240 | 4.610 | -69.590 | 4.940 | -68.890 | 6.210 | -67.120 | 9.570 |
| -65.370 | 9.550 | -63.280 | 5.640 | -62.430 | 4.240 | -60.480 | 3.800 |
| -57.930 | 2.260 | -57.080 | 1.670 | -54.780 | 1.620 | -53.230 | 1.860 |
| -51.780 | 3.180 | -50.950 | 3.990 | -49.200 | 4.890 | -46.330 | 6.670 |
| -45.930 | 6.720 | -40.260 | 7.120 | -35.160 | 7.460 | -31.200 | 9.050 |
| -27.030 | 10.720 | -24.800 | 11.480 | -21.200 | 11.600 | -19.650 | 12.300 |
| -16.320 | 14.110 | -15.800 | 14.210 | -15.350 | 14.300 | -11.500 | 14.440 |
| -7.800 | 14.470 | -7.500 | 14.470 | -7.050 | 14.310 | -5.000 | 13.610 |
| -5.000 | 14.110 | -5.000 | 13.610 | -4.200 | 13.230 | -0.150 | 11.410 |
| 1.810 | 10.430 | 2.650 | 10.200 | 5.580 | 9.710 | 9.280 | 8.310 |
| 15.380 | 7.870 | 16.200 | 7.750 | 23.930 | 6.580 | 65.430 | 6.250 |
| 114.300 | 5.820 | 124.700 | 5.640 | 127.300 | 4.740 | 131.000 | 4.250 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 151.550 | 3.790 | 151.550 | 3.950 | 151.550 | 3.790 | 152.750 | 3.780 |
| 154.850 | 2.100 | 161.140 | 1.570 | 162.240 | 1.370 | 165.030 | 1.440 |
| 167.430 | 1.580 | 173.520 | 1.770 | 181.510 | 1.770 | 190.700 | 1.610 |
| 191.500 | 1.600 | 196.490 | 1.460 | 201.490 | 1.410 | 206.480 | 1.310 |
| 211.470 | 1.230 | 216.470 | 1.130 | 221.460 | 1.110 | 226.460 | 1.110 |
| 231.450 | 1.090 | 236.440 | 1.210 | 241.440 | 1.110 | 246.430 | 1.110 |
| 251.420 | 1.090 | 256.420 | 1.000 | 261.410 | 0.920 | 266.410 | 0.850 |
| 271.400 | 0.850 | 276.390 | 0.800 | 281.390 | 0.780 | 286.380 | 0.750 |
| 291.370 | 0.700 | 296.370 | 0.720 | 301.360 | 0.750 | 306.350 | 0.920 |
| 311.350 | 0.920 | 316.340 | 0.800 | 321.340 | 0.750 | 326.330 | 0.900 |
| 331.320 | 1.000 | 336.320 | 1.000 | 341.310 | 1.100 | 346.300 | 1.350 |
| 351.300 | 1.440 | 356.290 | 1.540 | 361.290 | 1.540 | 366.280 | 1.560 |
| 369.180 | 1.590 | 375.270 | 1.860 | 375.770 | 2.040 | 379.160 | 2.740 |
| 380.760 | 3.780 | 382.260 | 5.520 | 386.750 | 5.580 | 389.750 | 6.540 |
| 389.750 | 6.680 | 389.750 | 6.540 | 391.120 | 6.650 | 393.960 | 6.280 |
| 408.000 | 6.090 | 410.010 | 6.470 | 414.500 | 6.310 | 417.170 | 5.700 |
| 431.720 | 5.870 | 440.550 | 5.780 | 455.650 | 5.250 | 463.600 | 5.460 |
| 472.800 | 5.540 | 482.000 | 5.770 | 485.050 | 6.220 | 486.300 | 6.900 |
| 487.150 | 6.810 | 491.520 | 6.960 | 491.520 | 7.080 | 491.940 | 7.080 |
| 493.920 | 8.030 | 497.000 | 9.600 | 500.390 | 9.650 | 500.390 | 9.770 |
| 503.810 | 11.470 | 504.050 | 11.470 | 505.050 | 11.480 | 507.160 | 12.760 |
| 507.500 | 13.000 | 507.500 | 13.360 | 507.500 | 13.000 | 509.500 | 14.150 |
| 513.000 | 14.370 | 516.000 | 14.350 | 518.000 | 14.260 | 519.700 | 13.380 |
| 522.040 | 12.450 | 524.110 | 11.340 | 525.310 | 11.210 | 525.580 | 10.740 |
| 531.330 | 10.600 | 531.820 | 10.540 | 532.220 | 10.430 | 534.490 | 8.710 |
| 539.670 | 6.610 | 543.420 | 5.150 | 544.370 | 4.920 | 550.750 | 4.620 |
| 551.950 | 4.310 | 553.650 | 3.390 | 554.000 | 2.890 | 554.400 | 2.550 |
| 37.6 | 0.000 | | | | 163 | 59.108 | 40.144 |
| -100.000 | 4.530 | -97.380 | 2.680 | -95.780 | 2.250 | -92.580 | 2.020 |
| -87.280 | 1.910 | -79.280 | 1.710 | -76.780 | 2.610 | -76.780 | 2.370 |
| -76.780 | 3.890 | -74.380 | 4.820 | -71.830 | 5.080 | -70.780 | 5.580 |
| -67.290 | 7.470 | -64.810 | 8.950 | -61.810 | 9.060 | -57.930 | 7.030 |
| -54.780 | 5.220 | -51.790 | 4.250 | -50.310 | 2.300 | -48.560 | 1.940 |
| -48.010 | 1.740 | -46.210 | 2.260 | -45.410 | 3.260 | -42.110 | 4.010 |
| -39.510 | 5.510 | -36.910 | 7.260 | -34.930 | 7.450 | -34.510 | 7.630 |
| -25.460 | 7.840 | -20.910 | 9.550 | -16.160 | 11.400 | -11.960 | 11.690 |
| -10.360 | 12.460 | -7.580 | 14.140 | -6.950 | 14.410 | -4.200 | 14.460 |
| -1.550 | 14.330 | -1.400 | 14.330 | 0.000 | 13.400 | 0.000 | 14.010 |
| 0.000 | 13.400 | 4.000 | 11.300 | 5.500 | 10.600 | 6.900 | 10.320 |
| 10.330 | 9.860 | 14.480 | 8.320 | 16.410 | 8.040 | 25.160 | 7.830 |
| 30.410 | 7.120 | 66.310 | 5.870 | 95.210 | 5.720 | 111.010 | 5.610 |
| 140.810 | 5.770 | 147.410 | 5.510 | 147.410 | 5.690 | 147.410 | 5.510 |
| 150.410 | 4.860 | 155.410 | 4.730 | 161.410 | 4.320 | 165.910 | 2.950 |
| 166.910 | 2.220 | 169.260 | 1.680 | 171.270 | 1.280 | 172.420 | 1.230 |
| 175.420 | 1.230 | 177.420 | 1.280 | 182.420 | 1.330 | 187.420 | 1.380 |
| 192.420 | 1.320 | 197.420 | 1.250 | 202.420 | 1.200 | 207.420 | 1.170 |
| 212.420 | 1.120 | 217.430 | 1.120 | 222.430 | 1.150 | 227.430 | 1.180 |
| 232.430 | 1.210 | 237.430 | 1.210 | 242.430 | 1.260 | 247.430 | 1.080 |
| 252.430 | 1.110 | 257.430 | 1.080 | 262.440 | 1.050 | 267.440 | 1.050 |
| 272.440 | 1.030 | 277.440 | 0.970 | 282.440 | 0.950 | 287.440 | 0.970 |
| 292.440 | 0.950 | 297.440 | 0.940 | 302.440 | 0.960 | 307.450 | 1.020 |
| 312.450 | 0.990 | 317.450 | 1.060 | 322.450 | 1.120 | 327.450 | 1.120 |
| 332.450 | 1.080 | 337.450 | 1.110 | 342.450 | 1.180 | 347.450 | 1.250 |
| 352.460 | 1.280 | 357.460 | 1.330 | 362.460 | 1.480 | 365.960 | 1.620 |
| 370.960 | 1.910 | 376.460 | 2.020 | 382.460 | 2.040 | 389.460 | 2.810 |
| 391.460 | 2.850 | 394.960 | 2.480 | 400.270 | 2.120 | 402.270 | 1.730 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 404.570 | 1.380 | 405.470 | 1.390 | 406.170 | 1.710 | 406.870 | 2.080 |
| 408.270 | 3.570 | 410.470 | 4.020 | 411.270 | 4.600 | 415.470 | 5.040 |
| 417.710 | 6.050 | 419.650 | 6.110 | 419.650 | 6.210 | 419.650 | 6.330 |
| 420.030 | 6.320 | 420.030 | 6.490 | 420.030 | 6.320 | 434.570 | 6.680 |
| 459.090 | 6.840 | 484.170 | 6.790 | 489.790 | 6.570 | 503.690 | 6.820 |
| 506.890 | 7.920 | 510.400 | 9.650 | 513.320 | 9.640 | 513.320 | 9.740 |
| 513.770 | 9.740 | 517.420 | 11.590 | 518.380 | 11.590 | 520.670 | 12.960 |
| 521.010 | 13.170 | 521.010 | 13.460 | 521.010 | 13.170 | 522.870 | 14.190 |
| 526.290 | 14.370 | 529.410 | 14.370 | 532.860 | 14.220 | 535.380 | 13.110 |
| 537.890 | 11.900 | 540.410 | 10.750 | 541.490 | 10.510 | 541.640 | 10.140 |
| 547.400 | 10.050 | 547.760 | 9.910 | 550.240 | 8.010 | 554.910 | 6.170 |
| 558.210 | 5.050 | 565.010 | 4.620 | 565.720 | 4.480 | 568.310 | 3.410 |
| 568.690 | 2.880 | 569.240 | 2.400 | 570.210 | 2.220 | | |
| 37.8 | 0.000 | | | 159 | 60 | 111 | 37 |
| -100.000 | 6.830 | -99.780 | 6.840 | -98.380 | 7.570 | -95.580 | 9.160 |
| -91.980 | 9.130 | -88.660 | 7.120 | -86.680 | 5.850 | -85.780 | 5.790 |
| -84.580 | 5.150 | -82.230 | 3.680 | -81.330 | 3.530 | -81.030 | 2.620 |
| -78.430 | 2.270 | -76.430 | 2.310 | -76.430 | 2.930 | -76.230 | 3.110 |
| -75.680 | 3.320 | -73.230 | 5.470 | -69.970 | 7.560 | -69.270 | 7.630 |
| -55.320 | 7.760 | -29.970 | 8.140 | -29.680 | 8.210 | -29.680 | 7.910 |
| -29.380 | 7.910 | -29.380 | 8.210 | -26.090 | 8.410 | -24.890 | 8.840 |
| -20.260 | 10.570 | -17.880 | 11.490 | -13.810 | 11.700 | -12.310 | 12.490 |
| -9.240 | 14.230 | -8.950 | 14.270 | -6.250 | 14.400 | -3.600 | 14.370 |
| -2.300 | 14.290 | 0.000 | 12.910 | 0.000 | 13.480 | 0.000 | 12.910 |
| 2.050 | 11.750 | 2.910 | 11.740 | 6.610 | 9.930 | 7.110 | 9.910 |
| 7.110 | 9.810 | 9.910 | 9.760 | 15.110 | 7.190 | 18.480 | 7.160 |
| 45.200 | 6.640 | 52.700 | 6.380 | 58.900 | 6.170 | 87.200 | 5.770 |
| 94.200 | 5.980 | 104.850 | 6.020 | 129.950 | 5.670 | 132.750 | 4.720 |
| 142.100 | 4.760 | 144.200 | 5.010 | 150.650 | 4.830 | 153.300 | 5.210 |
| 153.300 | 5.370 | 153.300 | 5.210 | 155.200 | 4.390 | 157.700 | 1.690 |
| 158.300 | 1.240 | 158.700 | 1.290 | 163.300 | 0.410 | 168.300 | 0.490 |
| 173.300 | 0.680 | 178.300 | 0.760 | 183.300 | 0.830 | 188.300 | 0.930 |
| 193.300 | 0.930 | 198.300 | 1.160 | 203.300 | 1.230 | 208.300 | 1.260 |
| 213.290 | 1.280 | 218.290 | 1.380 | 223.290 | 1.360 | 228.290 | 1.330 |
| 233.290 | 1.330 | 238.290 | 1.330 | 243.290 | 1.300 | 248.290 | 1.270 |
| 253.290 | 1.190 | 258.290 | 1.170 | 263.290 | 1.050 | 268.290 | 0.990 |
| 273.290 | 0.970 | 278.290 | 0.970 | 283.290 | 0.920 | 288.290 | 0.920 |
| 293.290 | 1.020 | 298.290 | 1.050 | 303.290 | 1.090 | 308.290 | 1.220 |
| 313.290 | 1.270 | 318.290 | 1.420 | 323.280 | 1.560 | 326.380 | 1.660 |
| 330.780 | 1.730 | 338.280 | 1.810 | 347.280 | 1.900 | 356.280 | 1.840 |
| 361.780 | 1.840 | 365.280 | 1.730 | 367.280 | 1.730 | 369.980 | 2.210 |
| 371.780 | 2.440 | 372.580 | 3.660 | 374.580 | 5.190 | 378.230 | 5.800 |
| 378.230 | 5.970 | 378.230 | 5.800 | 383.860 | 6.180 | 389.610 | 6.230 |
| 395.530 | 6.000 | 398.240 | 5.380 | 406.700 | 5.570 | 415.760 | 6.700 |
| 422.910 | 6.880 | 439.510 | 6.720 | 472.630 | 6.420 | 476.880 | 6.930 |
| 485.200 | 7.210 | 489.530 | 7.370 | 494.230 | 9.670 | 497.170 | 9.700 |
| 497.610 | 9.790 | 501.290 | 11.650 | 502.180 | 11.640 | 502.950 | 12.020 |
| 506.500 | 12.060 | 506.750 | 12.530 | 507.250 | 12.640 | 507.990 | 13.080 |
| 508.350 | 13.210 | 508.350 | 13.590 | 508.350 | 13.210 | 510.190 | 14.180 |
| 513.800 | 14.400 | 516.850 | 14.400 | 520.500 | 14.220 | 524.400 | 12.360 |
| 527.100 | 11.120 | 528.350 | 10.700 | 528.650 | 10.240 | 534.500 | 10.110 |
| 534.700 | 10.240 | 537.240 | 8.220 | 539.150 | 7.550 | 542.700 | 6.150 |
| 545.680 | 5.030 | 552.320 | 4.730 | 553.650 | 4.340 | 555.230 | 3.730 |
| 555.740 | 3.000 | 555.940 | 2.570 | 556.040 | 2.420 | | |
| 38.0 | 0.000 | | | 141 | 44 | 97 | 23 |
| -100.000 | 9.510 | -99.930 | 9.560 | -99.680 | 9.590 | -75.160 | 9.620 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| -74.230 | 9.550 | -74.230 | 9.250 | -73.930 | 9.250 | -73.930 | 9.550 |
| -71.880 | 9.650 | -52.940 | 11.720 | -49.440 | 11.770 | -44.700 | 11.730 |
| -44.700 | 11.430 | -44.400 | 11.430 | -44.400 | 11.730 | -30.490 | 12.990 |
| -14.990 | 14.280 | -7.840 | 14.440 | -5.000 | 14.540 | -1.850 | 14.450 |
| -1.600 | 14.360 | 0.000 | 13.430 | 0.000 | 14.060 | 0.000 | 13.430 |
| 2.580 | 11.820 | 3.550 | 11.820 | 7.200 | 10.010 | 7.650 | 10.010 |
| 7.650 | 9.890 | 10.550 | 9.850 | 16.400 | 6.900 | 53.150 | 6.780 |
| 88.600 | 6.440 | 88.600 | 6.740 | 88.600 | 6.440 | 88.800 | 6.400 |
| 89.060 | 6.400 | 89.060 | 6.290 | 91.070 | 6.220 | 95.290 | 4.120 |
| 95.590 | 3.910 | 102.590 | 3.650 | 111.580 | 3.510 | 122.070 | 3.530 |
| 126.270 | 2.750 | 134.760 | 2.530 | 138.160 | 2.020 | 149.350 | 1.870 |
| 150.350 | 1.710 | 151.050 | 1.510 | 153.550 | 1.510 | 158.550 | 1.260 |
| 163.540 | 1.210 | 168.540 | 1.210 | 173.530 | 1.150 | 178.530 | 1.000 |
| 183.530 | 0.850 | 188.520 | 0.800 | 193.520 | 0.800 | 198.510 | 0.800 |
| 203.510 | 0.850 | 208.510 | 0.980 | 213.500 | 1.090 | 218.500 | 1.190 |
| 223.500 | 1.290 | 228.490 | 1.290 | 233.490 | 1.310 | 238.480 | 1.340 |
| 243.480 | 1.390 | 248.480 | 1.340 | 253.470 | 1.380 | 258.470 | 1.380 |
| 263.460 | 1.430 | 268.460 | 1.460 | 273.460 | 1.480 | 278.450 | 1.480 |
| 283.450 | 1.480 | 288.440 | 1.430 | 293.440 | 1.420 | 298.440 | 1.450 |
| 303.430 | 1.320 | 308.430 | 1.420 | 313.430 | 1.370 | 318.420 | 1.290 |
| 323.420 | 1.320 | 328.410 | 1.370 | 333.410 | 1.260 | 338.410 | 1.260 |
| 343.400 | 1.310 | 347.200 | 1.660 | 348.900 | 1.720 | 356.390 | 1.740 |
| 357.390 | 2.740 | 360.090 | 3.640 | 362.390 | 3.690 | 367.380 | 6.560 |
| 368.080 | 6.950 | 370.780 | 6.980 | 371.580 | 7.570 | 371.580 | 7.800 |
| 371.580 | 7.570 | 372.630 | 7.550 | 376.500 | 7.620 | 378.780 | 5.700 |
| 393.200 | 5.470 | 407.900 | 6.310 | 412.600 | 6.320 | 422.200 | 6.950 |
| 442.560 | 6.830 | 452.360 | 6.560 | 464.760 | 6.930 | 472.160 | 7.290 |
| 477.080 | 9.740 | 480.000 | 9.810 | 480.490 | 9.900 | 484.140 | 11.730 |
| 485.070 | 11.730 | 487.290 | 13.070 | 487.620 | 13.310 | 487.620 | 13.770 |
| 487.620 | 13.310 | 489.420 | 14.350 | 492.920 | 14.470 | 496.020 | 14.460 |
| 500.100 | 14.260 | 503.750 | 12.580 | 507.000 | 11.140 | 507.950 | 10.870 |
| 508.150 | 10.430 | 513.820 | 10.320 | 514.120 | 10.230 | 517.300 | 8.380 |
| 521.030 | 6.480 | 525.030 | 5.030 | 530.910 | 4.790 | 533.210 | 3.950 |
| 533.930 | 2.960 | 534.460 | 2.650 | 535.010 | 2.650 | 535.010 | 2.410 |
| 535.410 | 2.310 | | | | | | |
| 38.2 | 0.000 | | | | 141 | 50 101 | 29 120 |
| -100.000 | 8.280 | -78.220 | 8.260 | -78.220 | 8.220 | -69.520 | 8.270 |
| -65.120 | 8.360 | -36.420 | 8.510 | -34.520 | 8.520 | -31.220 | 8.710 |
| -30.670 | 8.950 | -28.860 | 9.520 | -23.940 | 11.380 | -19.520 | 11.610 |
| -19.520 | 11.740 | -19.390 | 11.740 | -19.290 | 11.620 | -16.070 | 11.690 |
| -15.750 | 12.200 | -15.120 | 12.350 | -14.310 | 12.680 | -11.420 | 14.330 |
| -11.050 | 14.450 | -10.700 | 14.480 | -7.900 | 14.540 | -5.100 | 14.380 |
| -4.950 | 14.300 | -0.850 | 14.180 | -0.250 | 14.100 | 0.000 | 13.750 |
| 0.000 | 14.260 | 0.000 | 13.750 | 3.050 | 11.850 | 4.020 | 11.840 |
| 4.250 | 11.840 | 7.720 | 10.140 | 7.720 | 10.010 | 11.120 | 9.980 |
| 17.090 | 7.000 | 31.020 | 6.860 | 40.510 | 6.830 | 56.460 | 6.650 |
| 76.530 | 6.400 | 76.800 | 6.400 | 76.800 | 6.300 | 78.800 | 6.220 |
| 80.300 | 5.450 | 80.570 | 5.450 | 95.380 | 5.200 | 108.100 | 4.880 |
| 114.080 | 4.060 | 121.640 | 3.570 | 121.640 | 3.820 | 121.640 | 3.570 |
| 131.630 | 3.090 | 142.410 | 2.620 | 143.410 | 2.190 | 150.200 | 1.760 |
| 151.600 | 1.660 | 156.590 | 1.360 | 161.580 | 0.960 | 166.570 | 0.810 |
| 171.570 | 0.760 | 176.560 | 0.580 | 181.550 | 0.440 | 186.540 | 0.540 |
| 191.540 | 0.740 | 196.530 | 0.780 | 201.520 | 0.910 | 206.510 | 1.060 |
| 211.510 | 1.210 | 216.500 | 1.310 | 221.490 | 1.380 | 226.480 | 1.410 |
| 231.480 | 1.510 | 236.470 | 1.560 | 241.460 | 1.580 | 246.450 | 1.720 |
| 250.650 | 1.760 | 251.450 | 1.770 | 261.430 | 1.850 | 271.420 | 1.970 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 281.400 | 2.060 | 291.390 | 2.110 | 301.370 | 2.180 | 311.360 | 2.200 |
| 321.340 | 2.200 | 331.330 | 2.100 | 335.420 | 1.930 | 336.320 | 1.830 |
| 341.310 | 1.680 | 346.310 | 1.680 | 351.300 | 1.530 | 356.290 | 1.580 |
| 361.280 | 1.480 | 362.480 | 1.370 | 363.180 | 1.930 | 368.000 | 4.330 |
| 371.050 | 4.470 | 371.050 | 4.600 | 374.600 | 6.310 | 375.160 | 6.380 |
| 377.060 | 6.540 | 377.060 | 6.740 | 377.060 | 6.540 | 385.990 | 6.640 |
| 418.590 | 6.880 | 442.840 | 7.170 | 444.640 | 8.060 | 447.980 | 9.800 |
| 450.850 | 9.830 | 451.330 | 9.930 | 453.500 | 10.990 | 453.500 | 11.110 |
| 454.720 | 11.710 | 454.950 | 11.710 | 455.930 | 11.710 | 457.840 | 12.960 |
| 458.240 | 13.220 | 458.240 | 13.680 | 458.240 | 13.220 | 459.640 | 14.140 |
| 463.390 | 14.200 | 464.330 | 14.380 | 467.040 | 14.560 | 470.080 | 14.540 |
| 471.480 | 14.250 | 474.580 | 13.800 | 476.460 | 12.630 | 479.430 | 11.070 |
| 480.590 | 10.860 | 480.810 | 10.370 | 486.370 | 10.240 | 487.000 | 9.860 |
| 488.950 | 8.420 | 493.880 | 6.650 | 498.570 | 4.960 | 503.460 | 4.870 |
| 504.460 | 4.510 | 505.260 | 4.180 | 506.110 | 3.260 | 506.460 | 3.000 |
| 507.160 | 2.470 | | | | | | |
| 38.4 | 0.000 | | | | 138 | 42 100 | 24 116 |
| -100.000 | 8.920 | -36.220 | 8.920 | -28.970 | 8.950 | -28.970 | 8.190 |
| -28.680 | 8.490 | -28.680 | 8.190 | -28.380 | 8.190 | -28.380 | 8.490 |
| -28.230 | 8.490 | -27.950 | 9.000 | -27.550 | 9.020 | -23.190 | 9.340 |
| -20.010 | 10.650 | -17.650 | 11.590 | -13.630 | 11.830 | -12.430 | 12.430 |
| -8.660 | 14.380 | -8.400 | 14.460 | -7.650 | 14.390 | -5.300 | 14.510 |
| -2.200 | 14.450 | -1.850 | 14.430 | 0.000 | 13.470 | 0.000 | 13.830 |
| 0.000 | 13.470 | 2.540 | 11.950 | 3.550 | 11.930 | 7.250 | 10.110 |
| 7.730 | 10.110 | 7.730 | 10.000 | 10.580 | 9.960 | 16.470 | 6.980 |
| 25.550 | 6.910 | 45.520 | 6.670 | 69.220 | 6.460 | 69.490 | 6.460 |
| 69.490 | 6.350 | 71.530 | 6.270 | 73.070 | 5.520 | 73.240 | 5.520 |
| 111.510 | 5.200 | 132.840 | 4.140 | 132.840 | 4.350 | 132.840 | 4.140 |
| 142.850 | 3.700 | 147.850 | 3.410 | 150.850 | 3.540 | 157.350 | 2.260 |
| 161.350 | 2.060 | 163.960 | 1.840 | 164.860 | 1.720 | 167.860 | 1.610 |
| 172.860 | 1.580 | 176.860 | 1.590 | 177.960 | 1.830 | 178.460 | 1.850 |
| 178.860 | 1.830 | 182.870 | 1.740 | 187.870 | 1.740 | 192.870 | 1.450 |
| 197.870 | 0.960 | 202.880 | 0.980 | 207.880 | 1.050 | 212.880 | 1.190 |
| 217.880 | 1.300 | 222.890 | 1.300 | 227.890 | 1.390 | 232.890 | 1.410 |
| 237.890 | 1.500 | 242.900 | 1.520 | 247.900 | 1.590 | 252.900 | 1.620 |
| 257.900 | 1.620 | 262.910 | 1.630 | 267.910 | 1.630 | 272.910 | 1.590 |
| 277.910 | 1.540 | 282.920 | 1.550 | 287.920 | 1.550 | 292.920 | 1.580 |
| 297.920 | 1.510 | 302.930 | 1.470 | 307.930 | 1.500 | 312.930 | 1.500 |
| 317.940 | 1.510 | 322.940 | 1.540 | 327.940 | 1.500 | 332.940 | 1.420 |
| 337.950 | 1.210 | 342.950 | 1.130 | 347.950 | 1.040 | 350.350 | 1.000 |
| 352.250 | 2.020 | 356.790 | 4.260 | 359.360 | 4.400 | 359.360 | 4.510 |
| 359.830 | 4.510 | 363.330 | 6.260 | 365.360 | 6.360 | 365.810 | 6.590 |
| 365.810 | 6.770 | 365.810 | 6.590 | 378.850 | 6.690 | 404.910 | 7.030 |
| 425.560 | 7.400 | 430.540 | 9.880 | 433.440 | 9.930 | 433.440 | 10.030 |
| 433.900 | 10.030 | 437.580 | 11.810 | 438.510 | 11.820 | 441.140 | 13.370 |
| 441.140 | 13.840 | 441.140 | 13.370 | 442.960 | 14.420 | 443.390 | 14.520 |
| 446.490 | 14.610 | 449.590 | 14.600 | 451.850 | 14.510 | 453.650 | 13.490 |
| 456.220 | 12.300 | 459.140 | 11.200 | 460.260 | 11.090 | 460.480 | 10.590 |
| 466.010 | 10.500 | 466.210 | 10.500 | 466.490 | 10.300 | 468.820 | 8.710 |
| 472.440 | 7.210 | 477.640 | 5.250 | 482.590 | 5.120 | 483.720 | 4.910 |
| 485.020 | 4.440 | 486.070 | 3.800 | 486.720 | 2.950 | 487.220 | 2.810 |
| 487.220 | 2.650 | 487.320 | 2.520 | | | | |
| 38.6 | 0.000 | | | | 151 | 63 113 | 45 132 |
| -100.000 | 8.440 | -97.380 | 8.440 | -96.580 | 8.500 | -96.580 | 8.540 |
| -96.480 | 8.540 | -96.480 | 8.370 | -94.030 | 8.340 | -93.180 | 8.380 |
| -92.280 | 8.630 | -90.480 | 9.570 | -87.780 | 9.660 | -87.280 | 11.610 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| -87.280 | 12.620 | -87.080 | 12.620 | -87.080 | 11.600 | -75.930 | 11.610 |
| -75.930 | 12.620 | -75.730 | 12.620 | -75.730 | 11.620 | -75.280 | 9.820 |
| -73.130 | 9.820 | -72.950 | 9.240 | -58.850 | 8.660 | -40.900 | 8.280 |
| -29.200 | 8.410 | -29.060 | 8.500 | -29.060 | 8.190 | -28.760 | 8.190 |
| -28.760 | 8.500 | -28.310 | 8.760 | -27.660 | 8.820 | -23.710 | 8.950 |
| -23.510 | 9.380 | -22.410 | 9.450 | -20.010 | 10.340 | -16.670 | 11.630 |
| -12.470 | 11.870 | -10.970 | 12.610 | -7.420 | 14.420 | -6.950 | 14.470 |
| -4.300 | 14.520 | -1.450 | 14.420 | -1.150 | 14.470 | 0.000 | 13.970 |
| 0.000 | 14.530 | 0.000 | 13.970 | 3.250 | 12.020 | 4.250 | 12.000 |
| 7.880 | 10.140 | 8.400 | 10.140 | 8.400 | 10.040 | 11.250 | 10.000 |
| 17.170 | 7.020 | 33.020 | 6.870 | 59.920 | 6.510 | 60.160 | 6.500 |
| 62.160 | 6.300 | 63.660 | 5.540 | 63.960 | 5.540 | 84.490 | 5.640 |
| 99.990 | 5.430 | 113.190 | 5.020 | 130.610 | 4.190 | 130.610 | 4.470 |
| 130.610 | 4.190 | 138.110 | 3.900 | 143.610 | 3.500 | 150.920 | 3.380 |
| 154.120 | 2.020 | 155.520 | 2.270 | 157.920 | 2.370 | 160.620 | 2.310 |
| 170.630 | 2.250 | 180.630 | 2.290 | 190.630 | 2.250 | 200.640 | 2.010 |
| 210.640 | 2.130 | 220.640 | 2.250 | 230.650 | 2.200 | 240.650 | 2.130 |
| 248.850 | 2.060 | 250.660 | 2.040 | 255.660 | 1.960 | 260.660 | 1.860 |
| 265.660 | 1.810 | 270.660 | 1.660 | 275.660 | 1.610 | 280.670 | 1.480 |
| 285.670 | 1.380 | 290.670 | 1.280 | 295.670 | 1.210 | 300.670 | 1.140 |
| 305.680 | 1.060 | 310.680 | 1.010 | 315.680 | 1.010 | 320.680 | 0.960 |
| 325.680 | 0.840 | 330.690 | 0.880 | 335.690 | 0.810 | 340.690 | 1.040 |
| 345.690 | 1.280 | 350.690 | 1.440 | 354.190 | 1.360 | 355.590 | 2.060 |
| 360.040 | 4.300 | 362.590 | 4.430 | 362.590 | 4.550 | 363.050 | 4.560 |
| 366.550 | 6.310 | 368.550 | 6.390 | 368.550 | 6.490 | 368.550 | 6.650 |
| 369.000 | 6.650 | 369.000 | 6.850 | 369.000 | 6.650 | 375.530 | 6.630 |
| 385.580 | 7.050 | 400.950 | 7.780 | 405.680 | 7.920 | 409.710 | 9.940 |
| 412.650 | 9.970 | 412.650 | 10.070 | 413.110 | 10.070 | 415.760 | 11.450 |
| 415.760 | 11.550 | 416.470 | 11.900 | 416.710 | 11.910 | 417.590 | 11.900 |
| 419.990 | 13.330 | 419.990 | 13.780 | 419.990 | 13.330 | 422.040 | 14.520 |
| 425.440 | 14.670 | 428.590 | 14.710 | 431.630 | 14.530 | 434.750 | 12.910 |
| 437.610 | 11.610 | 438.800 | 11.160 | 439.120 | 10.740 | 444.500 | 10.490 |
| 445.010 | 10.380 | 447.090 | 8.950 | 450.070 | 7.830 | 455.200 | 5.940 |
| 457.400 | 5.130 | 463.270 | 4.890 | 464.870 | 4.260 | 465.570 | 3.870 |
| 466.270 | 3.100 | 466.370 | 2.970 | 466.470 | 2.970 | | |
| 38.8 | 0.000 | | | | 142 | 57 108 | 39 123 |
| -100.000 | 5.520 | -75.360 | 5.530 | -75.110 | 5.730 | -74.910 | 5.780 |
| -74.310 | 5.780 | -74.310 | 5.200 | -73.660 | 5.200 | -73.660 | 5.780 |
| -73.560 | 5.780 | -72.560 | 5.910 | -72.560 | 6.430 | -72.510 | 6.430 |
| -69.310 | 6.750 | -65.210 | 6.750 | -64.510 | 6.620 | -64.210 | 6.630 |
| -63.910 | 6.830 | -54.910 | 7.490 | -52.410 | 8.530 | -49.410 | 10.230 |
| -46.860 | 11.470 | -41.760 | 11.800 | -40.650 | 11.860 | -35.950 | 12.030 |
| -32.600 | 11.990 | -31.250 | 11.880 | -28.650 | 11.530 | -23.350 | 11.580 |
| -18.550 | 11.630 | -16.380 | 11.760 | -12.750 | 11.930 | -11.400 | 12.560 |
| -7.810 | 14.380 | -7.250 | 14.420 | -4.200 | 14.450 | -1.750 | 14.360 |
| -1.300 | 14.310 | 0.000 | 13.730 | 0.000 | 14.200 | 0.000 | 13.730 |
| 4.100 | 11.570 | 6.260 | 10.440 | 9.500 | 10.170 | 12.480 | 9.190 |
| 16.370 | 7.910 | 19.140 | 6.880 | 26.640 | 6.630 | 27.470 | 6.170 |
| 28.570 | 6.180 | 30.270 | 6.820 | 60.950 | 6.210 | 73.100 | 5.850 |
| 88.970 | 5.290 | 108.770 | 4.430 | 108.770 | 4.620 | 108.770 | 4.430 |
| 109.970 | 4.150 | 112.770 | 3.330 | 118.270 | 3.080 | 123.770 | 3.090 |
| 134.760 | 3.240 | 140.260 | 3.010 | 148.760 | 3.060 | 158.760 | 2.980 |
| 168.760 | 2.870 | 178.750 | 2.600 | 188.750 | 2.380 | 198.750 | 2.430 |
| 208.750 | 2.500 | 218.750 | 2.300 | 222.540 | 2.270 | 223.740 | 2.130 |
| 228.740 | 2.020 | 233.740 | 1.840 | 238.740 | 1.820 | 243.740 | 1.810 |
| 248.740 | 1.890 | 253.740 | 1.910 | 258.740 | 2.000 | 263.730 | 1.950 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 268.730 | 1.800 | 273.730 | 1.650 | 278.730 | 1.300 | 283.730 | 1.120 |
| 288.730 | 1.000 | 293.730 | 0.880 | 298.730 | 0.820 | 303.730 | 0.700 |
| 308.720 | 0.600 | 313.720 | 0.600 | 318.720 | 0.450 | 323.720 | 0.900 |
| 328.720 | 1.500 | 333.720 | 1.650 | 338.720 | 1.680 | 343.720 | 1.720 |
| 348.720 | 1.410 | 353.710 | 0.710 | 356.710 | 0.490 | 360.060 | 2.090 |
| 364.450 | 4.280 | 367.350 | 4.360 | 367.350 | 4.480 | 367.800 | 4.490 |
| 371.470 | 6.300 | 373.460 | 6.400 | 373.460 | 6.520 | 373.860 | 6.640 |
| 373.860 | 6.820 | 373.860 | 6.640 | 378.460 | 6.610 | 387.770 | 6.740 |
| 390.210 | 7.950 | 391.210 | 8.450 | 394.320 | 10.100 | 397.230 | 10.130 |
| 397.700 | 10.140 | 401.370 | 11.960 | 402.340 | 11.960 | 404.840 | 13.380 |
| 404.840 | 13.910 | 404.840 | 13.380 | 406.890 | 14.520 | 410.290 | 14.710 |
| 413.360 | 14.690 | 414.420 | 14.620 | 415.920 | 13.840 | 418.260 | 12.410 |
| 420.860 | 11.280 | 422.160 | 10.790 | 422.400 | 10.390 | 428.020 | 10.160 |
| 428.360 | 10.000 | 429.660 | 9.020 | 433.990 | 7.400 | 439.960 | 5.360 |
| 445.260 | 5.020 | 446.380 | 4.960 | 447.580 | 4.570 | 448.380 | 3.970 |
| 448.980 | 3.150 | 449.880 | 2.510 | | | | |
| 39.0 | 0.000 | | | | 161 | 76 126 | 51 142 |
| -101.000 | 7.390 | -98.940 | 7.390 | -98.140 | 7.390 | -98.140 | 8.860 |
| -97.990 | 8.860 | -97.990 | 7.210 | -94.790 | 7.380 | -94.790 | 8.450 |
| -94.640 | 8.450 | -94.640 | 7.450 | -88.970 | 7.450 | -88.970 | 7.570 |
| -87.820 | 7.580 | -73.920 | 7.450 | -69.570 | 7.410 | -68.220 | 7.290 |
| -66.670 | 7.230 | -66.670 | 6.630 | -66.270 | 6.630 | -66.270 | 7.230 |
| -66.220 | 7.240 | -66.220 | 8.710 | -66.070 | 8.710 | -66.070 | 7.410 |
| -63.020 | 7.410 | -63.020 | 8.570 | -62.820 | 8.570 | -62.820 | 7.270 |
| -62.820 | 6.860 | -59.670 | 6.860 | -59.670 | 7.320 | -54.920 | 7.430 |
| -44.620 | 7.830 | -40.620 | 8.000 | -37.120 | 7.950 | -35.270 | 7.980 |
| -34.420 | 8.290 | -33.620 | 8.390 | -32.920 | 8.590 | -27.990 | 8.830 |
| -27.720 | 9.360 | -26.520 | 9.430 | -22.570 | 11.010 | -20.400 | 11.750 |
| -16.450 | 12.000 | -14.850 | 12.750 | -11.720 | 14.400 | -11.500 | 14.350 |
| -8.300 | 14.330 | -3.850 | 14.300 | -3.150 | 14.160 | -1.000 | 13.000 |
| -1.000 | 13.550 | -1.000 | 13.000 | 2.700 | 11.100 | 5.450 | 10.590 |
| 7.360 | 10.290 | 10.490 | 9.260 | 14.110 | 8.000 | 15.560 | 7.500 |
| 16.260 | 7.290 | 23.260 | 6.980 | 28.750 | 6.430 | 49.580 | 6.480 |
| 65.760 | 6.510 | 77.850 | 5.940 | 98.700 | 5.390 | 125.220 | 5.250 |
| 138.530 | 5.320 | 138.530 | 5.450 | 138.530 | 5.320 | 139.530 | 5.160 |
| 141.630 | 4.950 | 142.530 | 5.160 | 144.530 | 4.920 | 147.230 | 4.880 |
| 150.830 | 4.190 | 153.030 | 3.400 | 158.530 | 3.150 | 161.530 | 2.930 |
| 163.530 | 2.960 | 168.530 | 2.820 | 178.540 | 2.720 | 188.540 | 2.600 |
| 196.040 | 2.390 | 199.740 | 2.120 | 205.340 | 2.130 | 208.540 | 1.930 |
| 213.540 | 1.810 | 218.540 | 1.630 | 223.540 | 1.450 | 228.540 | 1.380 |
| 233.540 | 1.310 | 238.540 | 1.150 | 243.540 | 1.010 | 248.540 | 0.930 |
| 253.550 | 0.830 | 258.550 | 0.710 | 263.550 | 0.510 | 268.550 | 0.530 |
| 273.550 | 0.450 | 278.550 | 0.550 | 283.550 | 0.430 | 288.550 | 0.350 |
| 293.550 | 0.350 | 298.550 | 0.280 | 303.550 | 0.430 | 308.550 | 0.530 |
| 313.550 | 0.710 | 318.550 | 0.670 | 323.550 | 0.720 | 328.560 | 0.870 |
| 333.560 | 1.100 | 338.560 | 1.120 | 343.560 | 1.070 | 348.060 | 0.770 |
| 348.560 | 1.070 | 350.810 | 2.120 | 355.180 | 4.340 | 358.080 | 4.420 |
| 358.540 | 4.520 | 362.190 | 6.330 | 364.240 | 6.430 | 364.240 | 6.540 |
| 364.360 | 6.540 | 364.680 | 6.640 | 364.680 | 6.850 | 364.680 | 6.640 |
| 378.490 | 6.760 | 381.070 | 8.030 | 385.170 | 10.030 | 388.080 | 10.100 |
| 388.080 | 10.200 | 388.530 | 10.210 | 392.190 | 12.040 | 393.140 | 12.030 |
| 395.240 | 13.190 | 395.740 | 13.510 | 395.740 | 13.940 | 395.740 | 13.510 |
| 397.790 | 14.600 | 398.020 | 14.610 | 400.640 | 14.670 | 405.730 | 14.630 |
| 406.930 | 14.050 | 409.630 | 12.320 | 412.450 | 11.160 | 414.180 | 10.900 |
| 414.330 | 10.520 | 419.930 | 10.260 | 420.320 | 10.200 | 421.020 | 9.550 |
| 422.720 | 8.660 | 432.270 | 5.410 | 437.590 | 5.020 | 438.390 | 4.810 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 439.690 | 4.190 | 440.390 | 3.400 | 440.890 | 3.020 | 441.090 | 3.180 |
| 441.590 | 2.580 | | | | | | |
| 39.2 | 0.000 | | | | 156 | 58 117 | 42 135 |
| -100.000 | 8.280 | -73.970 | 8.240 | -73.970 | 8.140 | -68.970 | 8.120 |
| -68.970 | 7.820 | -67.970 | 7.820 | -61.970 | 7.840 | -60.270 | 7.640 |
| -59.370 | 7.140 | -57.270 | 7.090 | -56.470 | 7.270 | -56.470 | 7.660 |
| -54.770 | 7.660 | -50.570 | 7.660 | -43.970 | 7.600 | -43.970 | 7.820 |
| -43.670 | 7.820 | -43.670 | 7.220 | -41.020 | 7.230 | -33.150 | 9.470 |
| -31.070 | 9.440 | -30.110 | 7.850 | -28.630 | 7.840 | -23.760 | 8.040 |
| -22.660 | 10.230 | -19.310 | 10.720 | -17.210 | 11.560 | -16.500 | 11.700 |
| -13.300 | 12.850 | -8.910 | 14.630 | -8.670 | 14.630 | -8.660 | 14.610 |
| -8.660 | 14.540 | -4.900 | 14.690 | -1.000 | 14.770 | -0.700 | 14.750 |
| 0.000 | 14.750 | 0.000 | 15.030 | 0.000 | 14.750 | 0.400 | 14.630 |
| 0.500 | 14.540 | 0.750 | 14.540 | 0.750 | 14.440 | 8.100 | 10.710 |
| 8.550 | 10.690 | 8.550 | 10.590 | 12.650 | 10.190 | 20.750 | 7.310 |
| 27.650 | 7.160 | 36.750 | 6.700 | 65.150 | 6.350 | 70.500 | 6.620 |
| 87.950 | 6.860 | 95.000 | 7.020 | 101.250 | 7.110 | 111.790 | 7.300 |
| 128.010 | 6.330 | 149.280 | 5.750 | 149.280 | 5.880 | 149.280 | 5.750 |
| 150.180 | 5.570 | 151.480 | 4.590 | 153.970 | 3.920 | 156.070 | 3.860 |
| 157.970 | 2.410 | 159.860 | 2.160 | 163.260 | 1.860 | 164.260 | 1.810 |
| 169.250 | 1.610 | 174.240 | 1.180 | 179.230 | 0.740 | 184.230 | 1.070 |
| 189.220 | 1.400 | 194.210 | 1.170 | 199.200 | 1.330 | 204.200 | 0.650 |
| 209.190 | 0.370 | 214.180 | 0.300 | 219.170 | 0.530 | 224.170 | 0.630 |
| 229.160 | 0.700 | 234.150 | 0.640 | 239.140 | 0.620 | 244.140 | 0.620 |
| 249.130 | 0.990 | 250.130 | 1.020 | 254.120 | 1.390 | 258.110 | 1.240 |
| 259.110 | 1.240 | 264.110 | 1.690 | 269.100 | 0.240 | 274.090 | -0.060 |
| 279.080 | -0.260 | 284.080 | -0.160 | 289.070 | -0.070 | 294.060 | -0.070 |
| 299.050 | 0.010 | 304.050 | 0.150 | 309.040 | 0.650 | 314.030 | 1.430 |
| 319.020 | 1.620 | 321.020 | 1.650 | 322.120 | 1.740 | 323.520 | 2.130 |
| 325.010 | 2.580 | 331.500 | 2.590 | 333.600 | 2.120 | 334.000 | 2.000 |
| 337.990 | 1.270 | 343.590 | 0.690 | 346.480 | 2.110 | 351.050 | 4.390 |
| 354.000 | 4.410 | 354.000 | 4.530 | 354.520 | 4.530 | 358.140 | 6.370 |
| 360.140 | 6.460 | 360.140 | 6.570 | 360.140 | 6.780 | 360.510 | 6.790 |
| 360.510 | 6.960 | 360.510 | 6.790 | 368.300 | 6.850 | 374.750 | 6.980 |
| 376.950 | 8.090 | 381.100 | 10.130 | 383.990 | 10.180 | 383.990 | 10.280 |
| 384.480 | 10.300 | 388.160 | 12.130 | 388.360 | 12.140 | 388.560 | 12.150 |
| 390.410 | 14.860 | 390.810 | 14.860 | 391.210 | 14.870 | 391.210 | 15.240 |
| 391.210 | 14.870 | 392.890 | 14.890 | 397.960 | 14.900 | 405.370 | 14.920 |
| 405.670 | 14.930 | 405.870 | 14.950 | 406.470 | 14.950 | 407.590 | 12.360 |
| 412.590 | 10.110 | 416.730 | 8.240 | 420.890 | 6.330 | 423.540 | 5.450 |
| 428.670 | 5.170 | 429.120 | 5.020 | 430.720 | 4.260 | 432.270 | 3.270 |
| 432.590 | 2.990 | 436.370 | 2.700 | 437.870 | 2.400 | 439.870 | 2.320 |
| 39.4 | 0.000 | | | | 165 | 74 126 | 49 142 |
| -100.000 | 6.630 | -96.560 | 6.630 | -88.260 | 6.480 | -87.110 | 5.590 |
| -78.460 | 5.520 | -77.360 | 5.880 | -66.260 | 5.960 | -65.810 | 5.960 |
| -65.810 | 5.380 | -61.110 | 5.380 | -61.110 | 5.970 | -60.760 | 5.970 |
| -60.160 | 6.290 | -60.160 | 5.930 | -59.710 | 5.930 | -59.710 | 6.290 |
| -54.210 | 6.290 | -54.210 | 5.940 | -53.910 | 5.940 | -53.910 | 6.290 |
| -51.660 | 6.410 | -39.460 | 7.230 | -37.510 | 7.230 | -37.430 | 7.210 |
| -37.430 | 6.730 | -37.180 | 6.730 | -37.180 | 7.210 | -35.410 | 7.320 |
| -33.060 | 7.380 | -33.950 | 7.390 | -33.950 | 6.670 | -32.450 | 6.670 |
| -32.450 | 7.390 | -32.050 | 7.440 | -31.210 | 9.100 | -27.490 | 9.320 |
| -23.240 | 11.160 | -19.550 | 11.190 | -19.180 | 11.700 | -17.960 | 11.910 |
| -15.210 | 12.050 | -13.510 | 12.790 | -9.840 | 14.590 | -8.850 | 14.610 |
| -5.400 | 14.680 | -0.950 | 14.530 | -0.150 | 14.420 | 0.000 | 14.340 |
| 0.000 | 14.590 | 0.000 | 14.340 | 0.330 | 14.300 | 0.330 | 14.170 |

S59横断データ (-0.6~56.2). dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 4.270 | 12.220 | 4.600 | 12.120 | 5.560 | 12.100 | 8.900 | 10.430 |
| 9.410 | 10.430 | 14.940 | 10.030 | 16.940 | 9.060 | 20.490 | 9.060 |
| 22.590 | 8.050 | 26.130 | 6.360 | 30.190 | 6.400 | 30.340 | 6.050 |
| 31.210 | 6.050 | 31.640 | 6.470 | 70.890 | 6.440 | 106.610 | 6.340 |
| 107.790 | 5.900 | 108.590 | 5.860 | 109.390 | 6.310 | 111.070 | 6.460 |
| 127.670 | 6.410 | 134.170 | 6.210 | 134.170 | 6.390 | 134.170 | 6.210 |
| 137.570 | 5.040 | 139.770 | 3.710 | 141.970 | 3.020 | 143.670 | 2.330 |
| 144.870 | 2.130 | 146.870 | 1.730 | 149.160 | 1.430 | 154.160 | 1.250 |
| 159.160 | 1.230 | 164.160 | 1.150 | 169.160 | 1.170 | 174.160 | 1.100 |
| 179.150 | 1.040 | 184.150 | 1.020 | 189.150 | 0.920 | 194.150 | 0.900 |
| 199.150 | 0.800 | 204.150 | 0.600 | 209.140 | 0.630 | 214.140 | 0.730 |
| 219.140 | 0.790 | 224.140 | 0.810 | 229.140 | 0.790 | 234.130 | 0.860 |
| 239.130 | 0.890 | 244.130 | 0.910 | 249.130 | 0.910 | 254.130 | 0.900 |
| 259.130 | 0.700 | 264.120 | 0.880 | 269.120 | 0.920 | 274.120 | 1.200 |
| 279.120 | 1.320 | 284.120 | 1.300 | 289.120 | 1.320 | 294.110 | 1.320 |
| 299.110 | 1.710 | 304.110 | 1.840 | 309.110 | 1.590 | 314.110 | 1.090 |
| 316.310 | 0.940 | 318.560 | 2.090 | 323.350 | 4.460 | 326.290 | 4.490 |
| 326.290 | 4.590 | 326.730 | 4.590 | 330.370 | 6.410 | 332.400 | 6.480 |
| 332.400 | 6.590 | 332.850 | 6.740 | 332.850 | 6.930 | 332.850 | 6.740 |
| 335.970 | 6.810 | 343.070 | 6.950 | 345.270 | 8.070 | 348.330 | 9.570 |
| 351.790 | 9.560 | 352.990 | 10.130 | 355.840 | 10.220 | 355.840 | 10.330 |
| 356.320 | 10.340 | 359.980 | 12.140 | 360.920 | 12.160 | 363.380 | 13.670 |
| 363.910 | 13.930 | 363.910 | 14.400 | 363.910 | 13.930 | 365.010 | 14.520 |
| 368.160 | 14.630 | 370.710 | 14.640 | 371.270 | 14.550 | 373.490 | 13.250 |
| 376.310 | 12.090 | 377.210 | 11.800 | 377.370 | 11.320 | 383.010 | 11.180 |
| 383.310 | 11.080 | 386.540 | 8.980 | 390.320 | 7.410 | 394.910 | 5.580 |
| 395.820 | 5.440 | 401.200 | 5.100 | 403.050 | 4.480 | 403.760 | 3.600 |
| 404.150 | 3.300 | 404.530 | 3.090 | 404.530 | 2.550 | 405.530 | 2.450 |
| 412.530 | 2.350 | | | | | | |
| 39.6 | 0.000 | | | | 167 | 77 | 126 |
| -100.000 | 6.750 | -99.860 | 6.740 | -97.060 | 6.740 | -96.660 | 51 |
| -96.560 | 6.740 | -94.060 | 6.750 | -74.060 | 6.850 | -68.110 | 142 |
| -68.060 | 6.850 | -67.860 | 6.850 | -67.860 | 6.610 | -64.780 | 6.740 |
| -64.780 | 6.380 | -64.580 | 6.380 | -64.580 | 6.580 | -64.560 | 6.850 |
| -64.560 | 7.490 | -64.460 | 7.490 | -64.460 | 6.950 | -64.360 | 6.580 |
| -45.760 | 6.920 | -42.290 | 7.130 | -42.290 | 7.320 | -41.010 | 6.560 |
| -37.410 | 7.670 | -35.810 | 7.570 | -35.810 | 7.000 | -35.660 | 6.950 |
| -35.660 | 6.530 | -35.260 | 6.530 | -35.260 | 7.010 | -34.910 | 7.730 |
| -31.960 | 7.240 | -30.860 | 7.300 | -30.860 | 6.560 | -30.360 | 7.010 |
| -30.360 | 7.300 | -29.960 | 7.390 | -29.060 | 9.030 | -25.230 | 7.080 |
| -20.530 | 11.210 | -18.500 | 11.980 | -14.800 | 12.160 | -13.000 | 6.560 |
| -9.350 | 14.780 | -8.250 | 14.790 | -5.200 | 14.840 | -1.750 | 9.300 |
| -0.900 | 14.620 | 0.000 | 14.140 | 0.000 | 14.730 | 0.000 | 12.960 |
| 3.570 | 12.360 | 4.050 | 12.250 | 4.940 | 12.220 | 8.390 | 14.740 |
| 8.860 | 10.540 | 8.860 | 10.430 | 14.470 | 10.100 | 22.030 | 14.140 |
| 33.830 | 6.670 | 45.830 | 6.860 | 57.850 | 6.740 | 75.350 | 10.540 |
| 92.030 | 6.180 | 92.030 | 6.410 | 92.030 | 6.180 | 93.730 | 6.450 |
| 99.520 | 5.230 | 110.510 | 3.150 | 115.210 | 3.200 | 116.010 | 6.630 |
| 118.510 | 3.480 | 122.300 | 2.680 | 123.800 | 2.710 | 127.100 | 5.860 |
| 128.400 | 3.150 | 131.390 | 2.510 | 138.090 | 2.420 | 140.590 | 3.450 |
| 141.980 | 2.030 | 146.980 | 1.930 | 151.980 | 1.920 | 156.970 | 3.230 |
| 161.970 | 1.800 | 166.960 | 1.740 | 171.960 | 1.700 | 176.950 | 2.130 |
| 181.950 | 1.300 | 186.940 | 1.240 | 191.940 | 1.140 | 196.930 | 1.840 |
| 201.930 | 1.100 | 206.930 | 1.110 | 211.920 | 1.090 | 216.920 | 1.500 |
| 221.910 | 0.830 | 226.910 | 0.890 | 231.900 | 0.790 | 236.900 | 1.100 |
| 241.890 | 0.810 | 246.890 | 0.710 | 251.880 | 0.710 | 256.880 | 0.930 |

S59横断データ (-0.6~56.2). dat

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|----------|--------|----------|--------|---------|--------|---------|--------|
| 261.880 | 0.720 | 266.870 | 1.000 | 271.870 | 1.220 | 276.860 | 1.280 |
| 281.860 | 1.380 | 286.850 | 1.720 | 291.850 | 1.910 | 296.840 | 1.860 |
| 300.840 | 1.750 | 303.940 | 2.100 | 306.830 | 2.610 | 309.430 | 2.610 |
| 311.430 | 2.070 | 313.430 | 1.250 | 316.330 | 0.560 | 319.320 | 2.090 |
| 323.970 | 4.490 | 326.820 | 4.520 | 326.820 | 4.620 | 331.060 | 6.440 |
| 333.090 | 6.540 | 333.450 | 6.770 | 333.450 | 6.960 | 333.450 | 6.770 |
| 339.270 | 6.890 | 346.490 | 6.980 | 349.290 | 8.390 | 352.940 | 10.200 |
| 355.880 | 10.240 | 355.880 | 10.350 | 356.340 | 10.360 | 356.340 | 10.490 |
| 359.780 | 12.140 | 360.030 | 12.160 | 360.980 | 12.160 | 363.240 | 13.550 |
| 363.810 | 13.860 | 363.810 | 14.340 | 363.810 | 13.860 | 364.310 | 14.120 |
| 365.060 | 14.540 | 365.530 | 14.580 | 368.060 | 14.650 | 370.430 | 14.650 |
| 370.750 | 14.640 | 375.510 | 12.570 | 376.210 | 12.340 | 376.560 | 12.150 |
| 376.710 | 11.880 | 379.760 | 11.770 | 382.970 | 11.650 | 383.570 | 11.730 |
| 384.970 | 10.240 | 386.800 | 9.450 | 390.220 | 7.940 | 395.040 | 5.920 |
| 399.390 | 5.380 | 401.560 | 5.090 | 402.540 | 4.860 | 403.850 | 4.000 |
| 404.440 | 3.480 | 405.290 | 3.060 | 407.290 | 2.620 | | |
| 39.8 | 0.000 | | | | 175 | 77 128 | 51 144 |
| -101.000 | 6.490 | -100.290 | 6.500 | -98.240 | 6.400 | -96.090 | 5.840 |
| -95.440 | 5.840 | -95.440 | 5.230 | -93.790 | 5.230 | -93.790 | 5.830 |
| -93.590 | 5.820 | -92.640 | 5.790 | -92.140 | 5.710 | -75.990 | 5.670 |
| -75.690 | 5.820 | -75.390 | 5.860 | -75.290 | 5.860 | -75.290 | 5.260 |
| -74.740 | 5.260 | -74.740 | 5.860 | -74.640 | 5.860 | -72.640 | 6.370 |
| -69.340 | 6.650 | -61.740 | 6.730 | -50.040 | 6.730 | -40.340 | 6.700 |
| -37.040 | 7.030 | -36.980 | 7.040 | -36.980 | 6.150 | -36.480 | 6.150 |
| -36.480 | 7.110 | -36.230 | 7.110 | -34.300 | 7.190 | -32.650 | 7.190 |
| -32.650 | 6.450 | -32.150 | 6.450 | -32.150 | 7.190 | -31.800 | 7.250 |
| -30.830 | 8.910 | -30.500 | 8.940 | -26.260 | 9.140 | -22.560 | 10.640 |
| -19.410 | 11.970 | -14.460 | 12.170 | -14.160 | 12.650 | -13.500 | 12.660 |
| -9.150 | 14.820 | -8.450 | 14.870 | -5.550 | 14.940 | -2.200 | 14.840 |
| -1.600 | 14.760 | -1.000 | 14.430 | -1.000 | 14.950 | -1.000 | 14.430 |
| 3.050 | 12.400 | 3.350 | 12.300 | 4.310 | 12.300 | 7.710 | 10.620 |
| 8.160 | 10.620 | 8.160 | 10.480 | 13.740 | 10.200 | 20.550 | 6.910 |
| 21.470 | 6.860 | 30.870 | 7.000 | 42.500 | 7.000 | 56.870 | 6.780 |
| 71.590 | 6.310 | 71.590 | 6.470 | 71.590 | 6.310 | 72.090 | 6.230 |
| 76.190 | 4.490 | 83.090 | 3.790 | 89.290 | 3.530 | 94.880 | 3.580 |
| 98.080 | 4.200 | 103.280 | 4.330 | 106.780 | 4.350 | 112.680 | 4.230 |
| 115.880 | 3.780 | 117.780 | 2.830 | 134.880 | 2.120 | 136.380 | 2.100 |
| 136.580 | 2.070 | 141.570 | 1.960 | 146.570 | 1.930 | 151.570 | 1.920 |
| 156.570 | 1.900 | 161.570 | 1.950 | 166.570 | 1.900 | 171.570 | 1.890 |
| 176.570 | 1.880 | 181.560 | 1.850 | 186.560 | 1.830 | 191.560 | 1.730 |
| 196.560 | 1.630 | 201.560 | 1.530 | 206.560 | 1.460 | 211.560 | 1.410 |
| 216.560 | 1.310 | 221.560 | 1.230 | 226.550 | 1.110 | 231.550 | 1.060 |
| 236.550 | 0.910 | 241.550 | 0.860 | 246.550 | 0.830 | 251.550 | 0.730 |
| 256.550 | 0.630 | 261.550 | 0.490 | 266.550 | 0.330 | 271.540 | 0.410 |
| 276.540 | 0.430 | 281.540 | 0.760 | 286.540 | 1.090 | 291.540 | 0.930 |
| 296.540 | 1.610 | 301.540 | 1.730 | 306.540 | 1.290 | 311.530 | 1.330 |
| 316.530 | 1.810 | 317.730 | 2.110 | 318.130 | 2.270 | 318.330 | 2.280 |
| 322.080 | 4.100 | 324.930 | 4.160 | 324.930 | 4.260 | 325.380 | 4.260 |
| 330.200 | 6.570 | 332.210 | 6.680 | 332.490 | 6.780 | 332.660 | 6.810 |
| 332.660 | 6.980 | 332.660 | 6.810 | 340.490 | 7.090 | 350.810 | 7.580 |
| 358.150 | 7.780 | 361.260 | 7.920 | 363.760 | 8.010 | 366.900 | 9.590 |
| 369.170 | 9.710 | 370.730 | 10.520 | 374.370 | 12.330 | 376.670 | 14.080 |
| 377.270 | 14.390 | 377.270 | 14.840 | 377.270 | 14.390 | 377.780 | 14.650 |
| 378.870 | 15.280 | 379.610 | 15.280 | 381.820 | 15.310 | 384.030 | 15.270 |
| 384.540 | 15.230 | 384.740 | 15.200 | 386.320 | 14.270 | 388.250 | 13.380 |
| 389.550 | 12.720 | 390.300 | 12.470 | 390.500 | 12.090 | 393.400 | 12.020 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 396.270 | 11.960 | 396.670 | 11.940 | 396.930 | 11.810 | 397.880 | 11.830 |
| 398.120 | 11.860 | 400.480 | 11.600 | 402.320 | 9.910 | 403.770 | 9.370 |
| 405.610 | 8.970 | 406.260 | 8.820 | 407.310 | 8.620 | 409.060 | 7.820 |
| 412.830 | 6.060 | 415.130 | 4.930 | 417.730 | 4.390 | 419.630 | 4.130 |
| 420.030 | 3.900 | 422.330 | 3.730 | 426.330 | 3.460 | | |
| 40.0 | 0.000 | | | | 151 | 67 105 | 34 127 |
| -100.000 | 6.470 | -97.440 | 6.470 | -82.140 | 6.500 | -81.740 | 6.470 |
| -81.240 | 6.470 | -81.240 | 6.670 | -74.640 | 6.620 | -72.890 | 6.620 |
| -70.890 | 6.470 | -68.740 | 6.480 | -68.740 | 6.720 | -59.740 | 6.480 |
| -38.490 | 6.490 | -38.340 | 6.490 | -38.340 | 6.010 | -37.810 | 6.010 |
| -36.910 | 7.650 | -34.290 | 7.730 | -33.810 | 8.050 | -33.290 | 8.130 |
| -27.980 | 8.320 | -27.860 | 8.750 | -26.860 | 8.770 | -21.800 | 10.740 |
| -18.540 | 12.030 | -13.750 | 12.290 | -8.750 | 14.730 | -8.070 | 14.800 |
| -7.900 | 14.760 | -4.650 | 14.830 | -1.450 | 14.730 | -0.900 | 14.660 |
| 0.000 | 14.300 | 0.000 | 14.640 | 0.000 | 14.300 | 0.260 | 14.310 |
| 0.260 | 14.080 | 3.870 | 12.320 | 4.770 | 12.330 | 4.970 | 12.330 |
| 5.590 | 12.040 | 5.590 | 11.940 | 8.180 | 10.620 | 8.620 | 10.620 |
| 14.270 | 10.360 | 18.430 | 8.320 | 20.360 | 7.330 | 21.040 | 7.270 |
| 29.310 | 7.390 | 46.140 | 7.220 | 53.260 | 7.230 | 56.790 | 7.100 |
| 56.790 | 7.210 | 56.790 | 7.100 | 57.590 | 6.930 | 61.290 | 4.950 |
| 65.580 | 3.710 | 67.280 | 3.710 | 69.280 | 4.140 | 78.280 | 3.910 |
| 79.280 | 4.220 | 85.770 | 4.010 | 93.770 | 3.890 | 98.060 | 3.980 |
| 99.760 | 3.740 | 106.760 | 3.620 | 116.050 | 3.460 | 126.250 | 2.550 |
| 135.240 | 2.290 | 146.730 | 2.150 | 147.930 | 2.130 | 151.730 | 2.030 |
| 156.730 | 1.930 | 161.720 | 1.930 | 166.720 | 1.930 | 171.720 | 1.760 |
| 176.710 | 1.760 | 181.710 | 1.620 | 186.710 | 1.640 | 191.700 | 1.660 |
| 196.700 | 1.560 | 201.700 | 1.540 | 206.690 | 1.520 | 211.690 | 1.420 |
| 216.690 | 1.320 | 221.680 | 1.220 | 226.680 | 1.120 | 231.680 | 1.040 |
| 236.670 | 0.990 | 241.670 | 0.840 | 246.670 | 0.860 | 251.660 | 0.760 |
| 256.660 | 0.640 | 261.660 | 0.540 | 266.650 | 0.620 | 271.650 | 0.560 |
| 276.650 | 0.660 | 281.640 | 0.690 | 286.640 | 0.890 | 291.640 | 0.860 |
| 296.640 | 1.320 | 299.330 | 2.150 | 301.430 | 3.110 | 303.030 | 4.260 |
| 304.130 | 5.150 | 304.680 | 5.180 | 304.680 | 5.350 | 304.680 | 5.180 |
| 315.140 | 5.400 | 334.940 | 6.090 | 353.230 | 6.640 | 369.780 | 6.820 |
| 373.150 | 7.050 | 375.700 | 8.330 | 379.790 | 10.400 | 382.730 | 10.430 |
| 382.730 | 10.540 | 383.180 | 10.550 | 383.180 | 10.670 | 386.590 | 12.370 |
| 386.820 | 12.380 | 387.760 | 12.380 | 389.320 | 13.300 | 391.660 | 14.840 |
| 391.660 | 15.290 | 391.660 | 14.840 | 393.100 | 15.700 | 393.730 | 15.720 |
| 395.560 | 15.700 | 397.310 | 15.720 | 397.750 | 15.660 | 400.650 | 14.060 |
| 403.620 | 12.510 | 404.390 | 12.280 | 404.810 | 12.100 | 404.910 | 11.780 |
| 408.260 | 11.680 | 411.620 | 11.600 | 412.020 | 11.620 | 412.220 | 11.590 |
| 415.840 | 9.950 | 419.140 | 8.600 | 424.840 | 6.420 | 425.670 | 6.240 |
| 427.540 | 5.900 | 431.240 | 5.070 | 432.170 | 4.130 | 432.510 | 3.890 |
| 433.510 | 3.510 | 435.510 | 3.430 | 440.370 | 3.490 | | |
| 40.2 | 0.000 | | | | 139 | 56 98 | 33 114 |
| -100.000 | 5.710 | -67.550 | 5.720 | -66.600 | 6.170 | -63.400 | 6.130 |
| -62.250 | 5.730 | -37.450 | 5.770 | -37.250 | 5.860 | -37.250 | 6.070 |
| -37.100 | 6.070 | -37.100 | 5.680 | -36.500 | 5.680 | -35.650 | 7.460 |
| -35.280 | 7.440 | -33.250 | 7.520 | -32.000 | 8.030 | -26.500 | 8.240 |
| -26.200 | 8.760 | -23.600 | 8.970 | -23.050 | 9.110 | -18.400 | 10.960 |
| -14.850 | 11.120 | -14.150 | 11.310 | -11.400 | 12.590 | -7.850 | 14.560 |
| -7.580 | 14.690 | -7.420 | 14.680 | -4.350 | 14.760 | -1.580 | 14.800 |
| -1.400 | 14.840 | -0.950 | 14.770 | -0.500 | 14.490 | 0.000 | 14.400 |
| 0.000 | 14.660 | 0.000 | 14.400 | 0.320 | 14.390 | 0.320 | 14.180 |
| 3.830 | 12.370 | 4.950 | 11.950 | 7.030 | 10.910 | 10.130 | 10.560 |
| 16.010 | 8.710 | 20.810 | 7.080 | 41.650 | 6.700 | 60.750 | 6.400 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 66.450 | 5.660 | 76.050 | 4.880 | 82.450 | 4.210 | 84.800 | 3.950 |
| 86.350 | 4.270 | 87.460 | 4.270 | 88.860 | 4.130 | 89.460 | 3.860 |
| 93.950 | 3.650 | 96.050 | 4.210 | 101.450 | 3.980 | 108.140 | 3.840 |
| 114.040 | 3.250 | 122.430 | 2.940 | 132.420 | 2.440 | 142.410 | 2.330 |
| 148.210 | 2.140 | 152.410 | 1.990 | 157.400 | 1.840 | 162.400 | 1.820 |
| 167.390 | 1.840 | 172.390 | 1.720 | 177.390 | 1.640 | 182.380 | 1.560 |
| 187.380 | 1.560 | 192.370 | 1.540 | 197.370 | 1.420 | 202.360 | 1.290 |
| 207.360 | 1.160 | 212.360 | 1.120 | 217.350 | 1.060 | 222.350 | 1.030 |
| 227.340 | 1.030 | 232.340 | 1.010 | 237.340 | 1.050 | 242.330 | 1.110 |
| 247.330 | 1.150 | 252.320 | 1.150 | 257.320 | 1.130 | 262.310 | 1.010 |
| 267.310 | 0.810 | 272.310 | 0.610 | 277.300 | 0.510 | 282.300 | 0.550 |
| 287.290 | 0.750 | 292.290 | 1.150 | 295.790 | 1.550 | 297.290 | 2.030 |
| 297.390 | 2.120 | 298.080 | 2.230 | 299.480 | 4.220 | 301.080 | 4.710 |
| 303.980 | 6.070 | 304.210 | 6.160 | 304.210 | 6.330 | 304.210 | 6.160 |
| 317.800 | 6.090 | 338.170 | 6.230 | 357.170 | 6.600 | 377.890 | 6.950 |
| 381.640 | 8.830 | 384.850 | 10.470 | 387.700 | 10.520 | 387.710 | 10.620 |
| 388.210 | 10.620 | 391.880 | 12.440 | 392.800 | 12.440 | 396.520 | 14.540 |
| 397.050 | 14.860 | 397.050 | 15.320 | 397.050 | 14.860 | 398.550 | 15.720 |
| 399.110 | 15.720 | 400.970 | 15.780 | 402.770 | 15.760 | 403.180 | 15.690 |
| 403.330 | 15.680 | 406.100 | 13.890 | 409.760 | 11.800 | 410.070 | 11.750 |
| 410.450 | 11.400 | 413.560 | 11.420 | 416.130 | 11.360 | 416.660 | 11.380 |
| 417.330 | 11.240 | 420.840 | 10.090 | 423.100 | 9.300 | 424.710 | 8.660 |
| 425.320 | 8.530 | 429.270 | 7.890 | 433.450 | 6.160 | 435.670 | 5.250 |
| 440.270 | 5.040 | 442.570 | 4.160 | 443.670 | 3.670 | | |
| 40.4 | 0.000 | | | | 162 | 62 118 | 47 137 |
| -101.000 | 7.170 | -81.700 | 7.170 | -63.600 | 7.170 | -62.750 | 7.170 |
| -62.600 | 6.660 | -61.100 | 6.670 | -60.500 | 7.090 | -59.100 | 7.020 |
| -53.750 | 7.000 | -51.050 | 7.000 | -50.750 | 7.000 | -50.750 | 6.680 |
| -46.600 | 6.600 | -46.100 | 6.590 | -46.100 | 6.240 | -45.600 | 6.240 |
| -45.600 | 6.590 | -37.500 | 6.600 | -37.480 | 6.600 | -37.480 | 6.710 |
| -37.280 | 6.710 | -37.280 | 6.160 | -36.780 | 6.160 | -36.150 | 7.450 |
| -35.770 | 7.450 | -34.470 | 7.610 | -33.520 | 8.090 | -33.270 | 8.080 |
| -32.970 | 8.090 | -27.450 | 8.300 | -27.170 | 8.860 | -25.670 | 8.970 |
| -21.700 | 10.630 | -20.100 | 11.030 | -17.360 | 11.210 | -16.560 | 11.510 |
| -14.060 | 12.690 | -12.280 | 13.960 | -11.630 | 14.490 | -11.280 | 14.660 |
| -11.050 | 14.700 | -9.300 | 14.850 | -5.900 | 14.770 | -2.500 | 14.720 |
| -1.900 | 14.630 | -1.000 | 14.260 | -1.000 | 14.890 | -1.000 | 14.260 |
| -0.700 | 14.090 | 3.440 | 12.030 | 4.460 | 11.880 | 4.700 | 11.450 |
| 8.000 | 11.300 | 8.660 | 10.910 | 12.000 | 10.620 | 13.070 | 10.270 |
| 18.670 | 8.370 | 21.070 | 7.590 | 22.140 | 7.320 | 36.480 | 6.820 |
| 54.350 | 6.270 | 67.060 | 5.740 | 67.060 | 5.860 | 67.060 | 5.740 |
| 67.560 | 5.740 | 69.460 | 4.760 | 72.550 | 4.400 | 74.750 | 3.740 |
| 77.050 | 3.440 | 82.340 | 3.220 | 90.530 | 2.630 | 97.030 | 2.430 |
| 102.820 | 2.140 | 107.010 | 2.040 | 112.010 | 1.960 | 117.000 | 1.890 |
| 122.000 | 1.820 | 126.990 | 1.720 | 131.990 | 1.560 | 136.980 | 1.560 |
| 141.970 | 1.460 | 146.970 | 1.420 | 151.960 | 1.360 | 156.960 | 1.390 |
| 161.950 | 1.440 | 166.950 | 1.360 | 171.940 | 1.460 | 176.930 | 1.490 |
| 181.930 | 1.490 | 186.920 | 1.520 | 191.920 | 1.540 | 196.910 | 1.560 |
| 201.910 | 1.560 | 206.900 | 1.540 | 211.890 | 1.540 | 216.890 | 1.560 |
| 221.880 | 1.460 | 226.880 | 1.460 | 231.870 | 1.220 | 236.870 | 0.990 |
| 241.860 | 0.960 | 246.850 | 0.860 | 251.850 | 0.860 | 256.840 | 0.920 |
| 261.840 | 0.920 | 266.830 | 0.820 | 271.830 | 0.630 | 276.820 | 0.890 |
| 278.820 | 1.120 | 281.810 | 1.970 | 282.610 | 2.150 | 283.810 | 2.450 |
| 285.810 | 3.400 | 289.410 | 4.350 | 291.500 | 4.330 | 291.500 | 5.000 |
| 294.100 | 6.290 | 294.650 | 6.370 | 294.650 | 6.560 | 294.650 | 6.370 |
| 301.630 | 6.430 | 320.440 | 6.590 | 351.490 | 6.830 | 356.060 | 7.080 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 371.660 | 7.390 | 375.240 | 9.180 | 377.910 | 10.490 | 380.770 | 10.520 |
| 381.240 | 10.620 | 383.350 | 11.700 | 384.940 | 12.460 | 385.870 | 12.470 |
| 388.150 | 13.710 | 390.400 | 14.920 | 390.400 | 15.030 | 390.400 | 14.920 |
| 391.620 | 15.630 | 392.140 | 15.620 | 394.000 | 15.680 | 396.340 | 15.640 |
| 396.700 | 15.600 | 397.130 | 15.420 | 399.470 | 13.890 | 401.080 | 12.900 |
| 401.410 | 12.820 | 401.710 | 12.820 | 401.990 | 12.450 | 405.170 | 12.330 |
| 407.670 | 12.230 | 408.150 | 12.210 | 408.330 | 12.100 | 408.680 | 11.840 |
| 408.680 | 11.560 | 408.980 | 11.560 | 408.980 | 11.840 | 409.130 | 11.870 |
| 423.930 | 11.920 | 424.580 | 11.850 | 428.580 | 11.900 | 431.530 | 11.840 |
| 431.900 | 11.820 | 432.000 | 11.910 | | | | |
| 40.6 | 0.000 | | | | 156 | 43 100 | 28 125 |
| -41.020 | 6.630 | -40.150 | 6.660 | -40.000 | 6.660 | -40.000 | 6.070 |
| -39.520 | 6.070 | -38.820 | 7.470 | -38.430 | 7.480 | -36.520 | 8.160 |
| -30.950 | 8.360 | -30.550 | 9.160 | -29.370 | 9.220 | -27.520 | 9.930 |
| -27.280 | 9.940 | -24.210 | 10.060 | -24.010 | 10.510 | -23.010 | 10.580 |
| -20.610 | 11.610 | -19.090 | 12.290 | -16.890 | 12.350 | -15.390 | 13.100 |
| -12.470 | 14.860 | -12.200 | 14.860 | -8.550 | 14.890 | -5.550 | 14.830 |
| -4.750 | 14.740 | -4.250 | 14.430 | -4.000 | 14.430 | -4.000 | 14.930 |
| -4.000 | 14.430 | -3.730 | 14.430 | -3.730 | 14.210 | -0.160 | 12.550 |
| 2.840 | 11.040 | 6.120 | 10.670 | 10.330 | 9.300 | 12.630 | 8.640 |
| 16.830 | 7.240 | 27.230 | 7.280 | 34.930 | 7.140 | 44.660 | 6.760 |
| 44.660 | 6.960 | 44.660 | 6.760 | 45.260 | 6.700 | 49.760 | 4.760 |
| 53.650 | 3.560 | 55.750 | 2.710 | 59.450 | 2.430 | 61.040 | 2.250 |
| 61.540 | 2.160 | 62.640 | 2.050 | 67.640 | 2.050 | 70.040 | 2.160 |
| 71.430 | 2.270 | 77.030 | 2.180 | 77.530 | 2.160 | 79.630 | 2.010 |
| 84.620 | 1.960 | 89.620 | 1.640 | 94.610 | 1.440 | 99.610 | 1.480 |
| 104.600 | 1.540 | 109.600 | 1.660 | 114.590 | 1.760 | 119.590 | 1.800 |
| 124.580 | 1.830 | 129.580 | 1.870 | 134.570 | 1.830 | 139.570 | 1.850 |
| 144.570 | 1.900 | 149.560 | 1.900 | 154.560 | 1.900 | 159.550 | 1.900 |
| 164.550 | 1.870 | 169.540 | 1.800 | 174.540 | 1.800 | 179.530 | 1.700 |
| 184.530 | 1.570 | 189.520 | 1.460 | 194.520 | 1.490 | 199.510 | 1.460 |
| 204.510 | 1.440 | 209.500 | 1.340 | 214.500 | 1.190 | 219.490 | 1.120 |
| 224.490 | 1.120 | 229.490 | 1.120 | 234.480 | 1.060 | 239.480 | 1.090 |
| 244.470 | 1.120 | 249.470 | 1.190 | 254.460 | 1.150 | 259.460 | 1.010 |
| 264.450 | 1.030 | 265.950 | 1.280 | 269.450 | 1.950 | 270.050 | 2.130 |
| 271.450 | 2.490 | 273.940 | 2.980 | 276.340 | 3.970 | 277.540 | 4.160 |
| 277.540 | 4.330 | 277.540 | 4.160 | 285.000 | 4.950 | 290.540 | 5.450 |
| 293.520 | 5.640 | 300.820 | 6.220 | 305.970 | 6.350 | 306.480 | 6.610 |
| 310.520 | 7.150 | 318.430 | 7.400 | 342.100 | 7.390 | 358.500 | 7.650 |
| 361.070 | 8.140 | 363.450 | 8.380 | 366.670 | 9.440 | 371.700 | 11.110 |
| 372.850 | 11.340 | 374.670 | 11.540 | 375.920 | 11.870 | 377.540 | 12.940 |
| 378.410 | 13.600 | 383.070 | 13.780 | 384.420 | 14.240 | 384.970 | 14.560 |
| 384.970 | 15.010 | 384.970 | 14.560 | 386.350 | 15.220 | 386.680 | 15.200 |
| 388.330 | 15.230 | 391.070 | 15.140 | 391.370 | 15.140 | 391.470 | 14.920 |
| 395.310 | 14.780 | 398.320 | 13.080 | 398.620 | 13.090 | 399.470 | 11.450 |
| 402.520 | 11.390 | 405.120 | 11.210 | 406.120 | 11.240 | 406.870 | 10.640 |
| 410.270 | 8.900 | 413.600 | 7.290 | 415.670 | 6.250 | 420.020 | 5.790 |
| 422.220 | 5.670 | 424.370 | 5.130 | 424.720 | 4.440 | 424.930 | 4.220 |
| 425.370 | 3.690 | 426.870 | 3.170 | 430.020 | 3.210 | 431.020 | 3.810 |
| 431.520 | 4.240 | 431.820 | 4.720 | 434.220 | 4.980 | 434.770 | 5.190 |
| 40.8 | 0.000 | | | | 174 | 64 121 | 51 145 |
| -100.000 | 6.670 | -91.970 | 6.670 | -78.190 | 6.670 | -77.440 | 6.670 |
| -77.290 | 5.980 | -77.040 | 5.980 | -77.040 | 5.540 | -76.540 | 5.540 |
| -76.540 | 5.990 | -75.840 | 6.070 | -75.290 | 6.270 | -74.740 | 6.300 |
| -74.740 | 5.520 | -73.840 | 5.520 | -73.840 | 6.330 | -71.290 | 6.210 |
| -70.640 | 5.810 | -51.940 | 5.880 | -51.540 | 6.050 | -51.040 | 6.040 |

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|----------|--------|----------|--------|----------|--------|----------|--------|
| -50.990 | 6.040 | -50.990 | 5.600 | -50.540 | 5.600 | -50.540 | 6.050 |
| -50.490 | 6.050 | -49.590 | 6.310 | -40.340 | 6.560 | -40.320 | 6.560 |
| -40.320 | 6.630 | -40.120 | 6.630 | -40.120 | 6.230 | -39.550 | 6.230 |
| -38.970 | 7.400 | -38.570 | 7.400 | -37.570 | 7.460 | -35.570 | 8.200 |
| -32.730 | 9.400 | -32.250 | 9.340 | -27.170 | 9.440 | -26.930 | 9.980 |
| -25.830 | 10.050 | -21.060 | 11.850 | -20.090 | 12.000 | -18.060 | 12.890 |
| -14.640 | 14.550 | -14.240 | 14.670 | -11.500 | 14.720 | -8.620 | 14.650 |
| -0.900 | 14.500 | 0.000 | 14.080 | 0.000 | 14.530 | 0.000 | 14.080 |
| 0.650 | 13.780 | 3.830 | 12.310 | 6.780 | 10.860 | 10.230 | 10.670 |
| 12.350 | 9.630 | 17.450 | 7.260 | 17.880 | 7.080 | 17.880 | 7.500 |
| 17.880 | 7.080 | 22.290 | 6.950 | 22.290 | 6.850 | 24.390 | 6.770 |
| 29.420 | 4.440 | 29.870 | 4.440 | 29.870 | 4.340 | 32.870 | 4.280 |
| 36.950 | 2.260 | 39.410 | 1.030 | 42.870 | 1.540 | 47.860 | 1.830 |
| 52.860 | 2.000 | 57.860 | 2.170 | 59.360 | 2.220 | 62.850 | 2.170 |
| 67.850 | 2.120 | 72.850 | 2.100 | 77.840 | 2.050 | 82.840 | 2.140 |
| 83.340 | 2.180 | 85.840 | 2.210 | 87.840 | 2.180 | 92.840 | 2.220 |
| 97.830 | 2.150 | 102.830 | 2.060 | 107.830 | 1.970 | 112.820 | 1.930 |
| 117.820 | 1.910 | 122.820 | 1.820 | 127.810 | 1.760 | 132.810 | 1.140 |
| 137.810 | 0.880 | 142.810 | 0.310 | 147.800 | 0.140 | 152.800 | -0.590 |
| 157.800 | -0.320 | 162.790 | -0.360 | 167.790 | -1.450 | 172.790 | -1.650 |
| 177.780 | -1.350 | 182.780 | -0.010 | 187.780 | -0.310 | 192.780 | -0.080 |
| 197.770 | 0.370 | 202.770 | 0.690 | 207.770 | 0.850 | 212.760 | 0.850 |
| 217.760 | 0.880 | 222.760 | 1.000 | 227.750 | 1.080 | 232.750 | 1.160 |
| 237.750 | 1.180 | 239.250 | 1.260 | 242.450 | 2.180 | 243.750 | 2.220 |
| 246.740 | 2.260 | 247.040 | 2.640 | 249.140 | 3.080 | 250.340 | 4.470 |
| 252.340 | 4.580 | 252.340 | 4.710 | 252.340 | 4.580 | 255.100 | 4.330 |
| 259.600 | 4.410 | 265.200 | 4.920 | 271.550 | 5.170 | 282.900 | 5.510 |
| 305.170 | 5.970 | 309.820 | 6.460 | 315.570 | 6.790 | 320.540 | 6.770 |
| 332.370 | 7.330 | 347.440 | 7.640 | 377.400 | 8.000 | 379.210 | 8.310 |
| 382.140 | 9.400 | 386.700 | 11.120 | 387.790 | 11.350 | 389.800 | 11.520 |
| 391.490 | 11.810 | 393.040 | 12.620 | 396.130 | 14.140 | 396.830 | 14.440 |
| 396.830 | 14.870 | 396.830 | 14.440 | 397.430 | 14.630 | 398.380 | 14.890 |
| 398.790 | 14.890 | 400.730 | 14.910 | 402.780 | 14.900 | 403.260 | 14.900 |
| 406.210 | 13.630 | 409.930 | 11.810 | 410.820 | 11.630 | 411.020 | 11.300 |
| 413.320 | 11.260 | 416.770 | 11.200 | 417.120 | 11.020 | 418.590 | 9.730 |
| 422.420 | 8.130 | 428.420 | 6.270 | 431.870 | 6.080 | 433.420 | 5.980 |
| 435.550 | 5.630 | 437.010 | 5.180 | 437.610 | 4.350 | 438.210 | 3.830 |
| 439.210 | 3.600 | 443.820 | 3.680 | 444.520 | 3.870 | 445.070 | 4.650 |
| 445.500 | 4.920 | 446.660 | 5.030 | | | | |
| 41.0 | 0.000 | | | | 166 | 68 115 | 37 138 |
| -109.000 | 8.650 | -103.640 | 8.650 | -102.540 | 8.650 | -102.340 | 8.270 |
| -100.640 | 8.090 | -100.640 | 7.690 | -98.140 | 7.670 | -97.510 | 7.440 |
| -97.110 | 7.440 | -97.110 | 9.540 | -96.870 | 9.540 | -96.870 | 7.920 |
| -73.340 | 8.310 | -69.820 | 8.450 | -66.420 | 9.060 | -63.820 | 9.140 |
| -61.120 | 8.780 | -50.020 | 8.820 | -48.620 | 9.180 | -39.620 | 9.330 |
| -38.570 | 9.010 | -36.620 | 9.260 | -34.820 | 9.260 | -33.100 | 10.110 |
| -32.120 | 10.170 | -29.870 | 10.200 | -28.870 | 10.750 | -28.570 | 10.800 |
| -24.560 | 10.950 | -24.060 | 11.250 | -19.810 | 13.080 | -15.780 | 14.550 |
| -15.500 | 14.610 | -12.700 | 14.740 | -10.250 | 14.670 | -9.000 | 14.160 |
| -9.000 | 14.740 | -9.000 | 14.160 | -3.150 | 11.440 | 9.370 | 10.840 |
| 13.500 | 8.930 | 15.400 | 8.130 | 16.100 | 7.980 | 26.000 | 7.770 |
| 26.290 | 7.770 | 26.290 | 7.660 | 28.400 | 7.560 | 30.010 | 6.830 |
| 33.410 | 5.230 | 33.940 | 5.230 | 33.940 | 5.120 | 37.050 | 5.060 |
| 41.010 | 3.250 | 41.450 | 3.040 | 44.880 | 2.790 | 48.450 | 2.770 |
| 49.150 | 2.990 | 52.000 | 3.030 | 60.690 | 7.050 | 61.300 | 7.060 |
| 66.150 | 7.380 | 69.100 | 7.680 | 77.450 | 7.840 | 81.380 | 7.610 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 92.170 | 7.130 | 92.170 | 7.400 | 92.170 | 7.130 | 94.470 | 7.030 |
| 96.760 | 6.800 | 104.990 | 2.710 | 108.040 | 2.500 | 115.620 | 2.610 |
| 122.110 | 2.540 | 131.640 | 2.280 | 132.090 | 2.250 | 137.080 | 2.070 |
| 142.070 | 1.760 | 147.060 | 1.550 | 152.050 | 1.530 | 157.040 | 1.620 |
| 162.030 | 1.580 | 167.020 | 1.550 | 172.010 | 1.620 | 177.000 | 1.660 |
| 181.990 | 1.800 | 186.980 | 1.850 | 191.970 | 1.790 | 196.960 | 1.780 |
| 196.960 | 2.180 | 201.950 | 1.480 | 206.940 | 1.470 | 211.930 | 1.870 |
| 216.920 | 1.840 | 221.910 | 1.590 | 226.900 | 1.980 | 231.890 | 1.750 |
| 234.390 | 1.200 | 236.880 | 1.720 | 241.870 | 1.800 | 246.860 | 1.390 |
| 251.850 | 0.410 | 256.840 | -0.990 | 261.830 | -1.810 | 266.820 | -0.560 |
| 271.810 | -0.200 | 276.800 | 0.740 | 281.790 | 0.640 | 286.780 | 0.770 |
| 291.770 | 1.310 | 293.770 | 1.430 | 295.760 | 1.730 | 297.060 | 2.230 |
| 298.060 | 2.800 | 301.550 | 5.450 | 302.980 | 5.690 | 302.980 | 5.910 |
| 302.980 | 5.690 | 305.370 | 5.820 | 327.570 | 5.860 | 335.300 | 6.110 |
| 342.320 | 6.090 | 346.490 | 6.460 | 358.520 | 6.890 | 377.470 | 7.020 |
| 397.480 | 7.070 | 421.600 | 7.120 | 424.450 | 7.570 | 427.300 | 7.710 |
| 428.190 | 8.020 | 434.460 | 9.710 | 439.460 | 11.320 | 443.040 | 11.640 |
| 445.140 | 12.390 | 447.690 | 13.770 | 448.440 | 14.190 | 448.440 | 14.630 |
| 448.440 | 14.190 | 450.150 | 14.890 | 450.590 | 14.930 | 452.590 | 14.960 |
| 454.990 | 14.930 | 455.190 | 14.870 | 458.940 | 13.100 | 461.840 | 11.770 |
| 462.240 | 11.620 | 462.390 | 11.300 | 465.090 | 11.260 | 468.540 | 11.100 |
| 468.720 | 10.950 | 470.120 | 9.780 | 472.070 | 9.080 | 473.720 | 8.650 |
| 477.750 | 7.080 | 480.260 | 6.190 | 481.360 | 6.060 | 484.540 | 6.020 |
| 487.100 | 5.720 | 488.610 | 5.340 | 489.320 | 4.500 | 490.320 | 4.050 |
| 494.540 | 3.550 | 497.340 | 3.940 | 497.340 | 4.680 | 497.540 | 4.680 |
| 497.740 | 5.010 | 498.040 | 5.030 | | | | |
| 41.2 | 0.000 | | | | 190 | 86 141 | 24 166 |
| -49.690 | 8.140 | -38.690 | 8.140 | -33.970 | 8.530 | -29.740 | 8.670 |
| -29.440 | 8.630 | -28.000 | 9.390 | -27.600 | 9.420 | -27.350 | 9.450 |
| -23.750 | 9.580 | -23.330 | 9.700 | -23.050 | 9.970 | -21.500 | 10.790 |
| -19.920 | 11.410 | -19.670 | 11.450 | -15.440 | 11.530 | -13.470 | 12.480 |
| -11.170 | 13.600 | -8.520 | 14.800 | -8.200 | 14.840 | -5.250 | 14.810 |
| -2.200 | 14.710 | -1.650 | 14.580 | 0.000 | 13.920 | 0.000 | 14.430 |
| 0.000 | 13.920 | 0.500 | 13.670 | 1.950 | 13.020 | 6.300 | 12.680 |
| 8.680 | 11.560 | 12.580 | 9.920 | 15.480 | 8.630 | 16.860 | 8.500 |
| 17.010 | 8.110 | 18.360 | 8.090 | 27.700 | 3.710 | 28.720 | 3.700 |
| 28.720 | 3.470 | 29.320 | 3.470 | 29.320 | 2.900 | 42.470 | 2.840 |
| 42.470 | 3.460 | 43.120 | 3.460 | 43.120 | 3.670 | 44.020 | 3.680 |
| 48.070 | 6.000 | 51.560 | 7.940 | 54.050 | 8.030 | 54.050 | 8.130 |
| 54.420 | 8.130 | 58.440 | 8.310 | 58.590 | 8.310 | 62.140 | 8.100 |
| 62.440 | 8.100 | 62.440 | 8.000 | 64.570 | 7.910 | 67.570 | 6.020 |
| 71.270 | 3.740 | 72.120 | 3.730 | 72.120 | 2.950 | 89.320 | 2.950 |
| 89.320 | 3.470 | 90.170 | 3.430 | 91.670 | 3.490 | 91.670 | 3.940 |
| 92.470 | 4.330 | 95.770 | 5.910 | 97.970 | 6.270 | 100.620 | 6.270 |
| 101.940 | 5.890 | 104.470 | 4.700 | 106.070 | 4.040 | 111.770 | 3.910 |
| 115.070 | 4.010 | 115.870 | 4.250 | 117.300 | 5.070 | 121.220 | 7.620 |
| 123.320 | 8.080 | 126.270 | 8.480 | 139.520 | 8.640 | 143.220 | 9.820 |
| 146.110 | 9.770 | 146.110 | 10.160 | 146.110 | 9.770 | 151.900 | 7.670 |
| 163.580 | 7.260 | 172.470 | 7.040 | 172.790 | 7.040 | 174.840 | 6.850 |
| 179.610 | 4.520 | 180.120 | 4.520 | 183.100 | 4.370 | 187.480 | 2.260 |
| 188.330 | 1.850 | 191.020 | 1.860 | 196.010 | 1.880 | 201.000 | 2.160 |
| 205.990 | 2.120 | 210.980 | 2.110 | 215.970 | 2.140 | 215.970 | 2.260 |
| 220.960 | 2.010 | 225.950 | 1.980 | 230.940 | 2.010 | 235.930 | 1.940 |
| 240.920 | 1.880 | 245.910 | 1.940 | 250.910 | 1.840 | 255.900 | 1.780 |
| 260.890 | 1.810 | 265.880 | 1.680 | 270.870 | 1.680 | 275.860 | 1.660 |
| 280.850 | 1.660 | 285.840 | 1.660 | 290.830 | 1.680 | 295.820 | 1.680 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 300.810 | 1.740 | 305.800 | 1.760 | 310.790 | 1.760 | 315.780 | 1.780 |
| 320.770 | 1.940 | 325.760 | 1.940 | 330.750 | 1.840 | 335.740 | 1.810 |
| 340.730 | 1.680 | 345.720 | 1.380 | 350.710 | 1.280 | 355.700 | 1.310 |
| 360.690 | 1.180 | 365.680 | 1.040 | 370.670 | 1.180 | 375.660 | 1.440 |
| 380.650 | 1.240 | 385.640 | 0.780 | 389.040 | 1.240 | 390.630 | 1.480 |
| 392.430 | 2.260 | 395.120 | 3.430 | 397.120 | 4.940 | 398.820 | 5.430 |
| 400.110 | 5.810 | 402.510 | 5.870 | 402.510 | 6.060 | 402.510 | 5.870 |
| 407.930 | 6.100 | 415.080 | 6.430 | 424.030 | 6.700 | 425.380 | 6.920 |
| 430.030 | 6.930 | 430.830 | 6.400 | 431.680 | 6.400 | 432.780 | 6.890 |
| 436.680 | 6.950 | 453.330 | 7.190 | 473.480 | 7.560 | 502.350 | 7.980 |
| 502.900 | 7.860 | 513.320 | 7.860 | 517.100 | 9.040 | 522.420 | 10.740 |
| 526.870 | 11.420 | 528.840 | 12.300 | 531.860 | 13.970 | 531.860 | 14.410 |
| 531.860 | 13.970 | 533.750 | 14.840 | 536.160 | 14.890 | 538.400 | 14.830 |
| 538.610 | 14.770 | 540.730 | 13.710 | 542.090 | 13.010 | 544.790 | 11.580 |
| 545.690 | 11.460 | 545.950 | 11.150 | 550.840 | 11.030 | 552.350 | 10.730 |
| 553.330 | 9.690 | 556.580 | 8.430 | 563.530 | 6.150 | 567.560 | 5.880 |
| 569.860 | 5.770 | 571.580 | 5.210 | 572.120 | 4.660 | 572.930 | 3.990 |
| 577.560 | 3.710 | 580.060 | 4.100 | 580.060 | 4.720 | 580.260 | 4.720 |
| 580.560 | 5.080 | 580.960 | 5.130 | | | | |
| 41.4 | 0.000 | | | | 160 | 58 118 | 38 133 |
| -102.000 | 7.870 | -97.820 | 7.860 | -94.920 | 7.730 | -94.920 | 6.730 |
| -93.220 | 6.550 | -93.220 | 5.920 | -92.770 | 5.920 | -92.770 | 6.550 |
| -90.520 | 6.620 | -90.270 | 6.530 | -89.860 | 6.340 | -54.020 | 6.250 |
| -38.370 | 6.300 | -38.020 | 6.350 | -37.600 | 6.350 | -36.970 | 6.340 |
| -35.620 | 7.220 | -32.720 | 7.340 | -32.270 | 7.470 | -30.170 | 8.150 |
| -29.470 | 8.160 | -26.670 | 8.210 | -23.670 | 9.420 | -19.610 | 11.220 |
| -17.410 | 11.440 | -16.980 | 11.560 | -13.260 | 13.540 | -12.440 | 13.880 |
| -10.170 | 14.070 | -9.730 | 14.470 | -9.070 | 14.740 | -8.220 | 15.320 |
| -7.950 | 15.330 | -5.600 | 15.350 | -3.400 | 15.260 | -3.200 | 15.260 |
| -2.000 | 14.740 | -2.000 | 15.350 | -2.000 | 14.740 | 1.170 | 13.100 |
| 1.970 | 12.660 | 4.750 | 12.220 | 6.100 | 11.800 | 8.120 | 10.820 |
| 11.520 | 9.290 | 12.540 | 9.030 | 13.140 | 8.900 | 13.340 | 8.890 |
| 13.340 | 8.750 | 16.020 | 8.620 | 21.140 | 6.090 | 30.290 | 5.970 |
| 31.740 | 6.150 | 32.790 | 6.330 | 37.140 | 6.270 | 37.740 | 6.090 |
| 55.810 | 5.540 | 58.840 | 5.220 | 58.840 | 5.420 | 58.840 | 5.220 |
| 60.040 | 4.860 | 62.840 | 3.300 | 64.830 | 3.100 | 69.830 | 3.080 |
| 71.330 | 3.510 | 72.130 | 3.320 | 74.820 | 2.620 | 78.920 | 2.300 |
| 79.920 | 1.950 | 83.810 | 1.720 | 88.810 | 1.680 | 93.800 | 1.380 |
| 98.800 | 1.320 | 103.790 | 1.250 | 108.790 | 1.220 | 113.780 | 1.250 |
| 118.780 | 1.280 | 123.770 | 1.300 | 128.770 | 1.280 | 133.760 | 1.300 |
| 138.750 | 1.350 | 143.750 | 1.350 | 148.740 | 1.450 | 153.740 | 1.420 |
| 158.730 | 1.610 | 163.730 | 1.590 | 168.720 | 1.590 | 173.720 | 1.610 |
| 178.710 | 1.670 | 183.710 | 1.870 | 188.700 | 1.990 | 193.700 | 2.190 |
| 195.490 | 2.290 | 198.690 | 2.420 | 208.680 | 2.590 | 211.680 | 2.610 |
| 216.170 | 2.440 | 217.970 | 2.290 | 218.670 | 2.220 | 219.670 | 2.130 |
| 220.970 | 1.210 | 223.660 | -0.090 | 228.660 | 0.290 | 231.660 | 1.070 |
| 233.650 | 2.070 | 235.650 | 1.990 | 238.650 | 1.610 | 243.640 | 1.690 |
| 248.640 | 1.800 | 253.630 | 1.730 | 256.130 | 1.930 | 258.230 | 2.280 |
| 260.030 | 2.680 | 263.020 | 2.860 | 266.120 | 4.300 | 272.910 | 5.580 |
| 274.310 | 6.190 | 274.810 | 6.240 | 274.810 | 6.370 | 274.810 | 6.240 |
| 276.710 | 6.410 | 280.780 | 6.640 | 300.480 | 7.340 | 304.930 | 7.380 |
| 310.230 | 7.630 | 326.430 | 7.560 | 370.210 | 7.670 | 375.410 | 9.060 |
| 381.210 | 10.880 | 385.090 | 11.300 | 388.290 | 12.790 | 392.190 | 14.790 |
| 392.190 | 15.290 | 392.190 | 14.790 | 392.740 | 15.010 | 393.390 | 15.040 |
| 395.790 | 15.070 | 398.840 | 15.030 | 402.050 | 13.590 | 404.940 | 11.990 |
| 405.440 | 11.850 | 405.640 | 11.600 | 411.900 | 11.400 | 412.090 | 11.280 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 413.640 | 10.100 | 416.370 | 8.930 | 420.490 | 7.370 | 422.790 | 6.500 |
| 424.490 | 6.290 | 427.870 | 6.010 | 430.470 | 5.820 | 431.660 | 5.440 |
| 432.320 | 4.830 | 433.370 | 3.780 | 434.370 | 3.830 | 437.870 | 4.010 |
| 439.370 | 4.880 | 439.570 | 5.190 | 440.290 | 5.230 | 442.070 | 5.280 |
| 41.6 | 0.000 | | | | 135 | 47 91 | 28 113 |
| -100.000 | 6.420 | -90.390 | 6.440 | -75.590 | 6.650 | -74.490 | 7.140 |
| -63.190 | 7.400 | -62.890 | 7.510 | -56.490 | 7.940 | -51.390 | 7.940 |
| -41.040 | 7.930 | -38.040 | 7.930 | -31.840 | 8.410 | -31.490 | 8.400 |
| -27.380 | 8.480 | -24.040 | 8.610 | -21.110 | 9.880 | -17.070 | 11.370 |
| -14.430 | 11.560 | -13.530 | 11.740 | -9.530 | 13.470 | -7.230 | 14.710 |
| -6.630 | 15.150 | -6.200 | 15.280 | -5.200 | 15.320 | -1.700 | 15.210 |
| -1.500 | 15.190 | -0.500 | 14.800 | 0.000 | 14.560 | 0.000 | 15.060 |
| 0.000 | 14.560 | 0.500 | 14.300 | 3.800 | 12.500 | 7.740 | 10.480 |
| 10.590 | 9.310 | 12.160 | 8.980 | 14.340 | 8.780 | 17.220 | 8.620 |
| 21.120 | 6.680 | 21.580 | 6.720 | 37.680 | 6.450 | 53.030 | 6.250 |
| 62.880 | 6.200 | 66.400 | 6.830 | 75.970 | 6.920 | 84.860 | 6.710 |
| 84.860 | 6.910 | 84.860 | 6.710 | 86.060 | 6.590 | 88.650 | 4.600 |
| 90.250 | 3.320 | 92.550 | 2.310 | 94.850 | 1.890 | 96.340 | 1.260 |
| 99.840 | 0.890 | 104.830 | 0.800 | 109.820 | 0.940 | 114.820 | 1.120 |
| 119.810 | 1.320 | 124.800 | 1.400 | 129.790 | 1.500 | 134.790 | 1.470 |
| 139.780 | 1.540 | 144.770 | 1.620 | 149.770 | 1.770 | 154.760 | 1.770 |
| 159.750 | 1.740 | 164.740 | 1.800 | 169.740 | 1.940 | 174.730 | 2.020 |
| 179.720 | 2.020 | 184.720 | 2.100 | 187.710 | 0.770 | 188.710 | 0.270 |
| 189.710 | 0.120 | 194.700 | -0.900 | 199.690 | -1.380 | 204.690 | -1.900 |
| 209.680 | -1.700 | 212.670 | -2.330 | 221.160 | -2.330 | 224.160 | -2.080 |
| 229.150 | -0.960 | 234.140 | 1.270 | 239.140 | 1.220 | 244.130 | 1.100 |
| 249.120 | 1.040 | 254.110 | 1.030 | 259.110 | 1.330 | 264.100 | 1.930 |
| 265.300 | 2.330 | 268.190 | 3.880 | 271.350 | 4.180 | 271.350 | 4.340 |
| 271.350 | 4.180 | 283.290 | 4.590 | 294.350 | 5.390 | 313.450 | 5.750 |
| 319.590 | 6.340 | 338.900 | 6.350 | 339.350 | 6.080 | 339.900 | 6.080 |
| 340.450 | 6.630 | 341.850 | 6.490 | 348.450 | 6.460 | 360.640 | 8.050 |
| 368.430 | 8.310 | 371.770 | 9.260 | 376.970 | 10.820 | 379.870 | 11.000 |
| 383.250 | 12.500 | 386.610 | 14.140 | 386.610 | 14.720 | 386.610 | 14.140 |
| 388.060 | 14.920 | 391.510 | 15.010 | 394.860 | 14.950 | 395.100 | 14.930 |
| 401.300 | 11.930 | 401.500 | 11.800 | 407.050 | 11.490 | 407.300 | 11.540 |
| 411.120 | 9.600 | 414.370 | 8.710 | 418.670 | 8.270 | 419.470 | 7.980 |
| 420.020 | 7.830 | 423.970 | 5.540 | 424.970 | 5.390 | 425.420 | 4.970 |
| 425.670 | 4.590 | 426.220 | 4.210 | 428.220 | 4.030 | 432.370 | 4.250 |
| 433.670 | 4.620 | 434.220 | 5.090 | 435.220 | 5.220 | | |
| 41.8 | 0.000 | | | | 148 | 65 106 | 47 135 |
| -102.000 | 6.510 | -77.640 | 6.510 | -77.340 | 6.600 | -76.340 | 6.600 |
| -76.340 | 6.330 | -75.490 | 6.330 | -75.490 | 6.620 | -74.440 | 6.600 |
| -73.740 | 6.550 | -69.390 | 6.570 | -69.340 | 6.570 | -69.340 | 6.360 |
| -69.040 | 6.360 | -69.040 | 6.700 | -68.840 | 6.950 | -68.040 | 7.220 |
| -68.040 | 7.680 | -67.790 | 7.680 | -67.790 | 7.340 | -66.120 | 7.340 |
| -66.120 | 7.680 | -65.920 | 7.680 | -65.920 | 7.360 | -45.940 | 7.470 |
| -45.090 | 7.850 | -45.090 | 7.460 | -44.790 | 7.460 | -44.790 | 7.850 |
| -44.740 | 7.840 | -37.440 | 8.060 | -32.140 | 8.520 | -31.640 | 8.620 |
| -28.790 | 9.000 | -26.840 | 9.780 | -22.510 | 11.600 | -21.610 | 11.860 |
| -20.220 | 11.980 | -19.920 | 12.060 | -17.070 | 12.060 | -13.320 | 13.330 |
| -9.110 | 14.910 | -8.600 | 14.970 | -6.400 | 15.010 | -3.900 | 14.960 |
| -3.300 | 14.960 | -2.000 | 14.380 | -2.000 | 14.830 | -2.000 | 14.380 |
| 1.370 | 12.720 | 4.940 | 10.930 | 8.340 | 9.370 | 14.140 | 8.910 |
| 14.280 | 8.840 | 16.850 | 8.570 | 19.650 | 7.250 | 20.120 | 7.340 |
| 59.520 | 7.040 | 64.270 | 6.030 | 76.220 | 6.250 | 98.720 | 6.190 |
| 105.720 | 5.920 | 108.020 | 6.080 | 108.020 | 6.230 | 108.020 | 6.080 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 109.420 | 5.900 | 113.410 | 4.040 | 116.300 | 2.780 | 117.800 | 2.340 |
| 118.000 | 2.240 | 122.990 | 1.110 | 127.980 | 0.750 | 132.970 | 0.880 |
| 137.960 | 1.080 | 142.950 | 1.350 | 147.940 | 1.540 | 152.930 | 1.570 |
| 157.920 | 1.470 | 162.910 | 1.670 | 167.900 | 1.740 | 172.890 | 1.740 |
| 177.880 | 1.730 | 182.880 | 1.790 | 187.870 | 1.990 | 192.860 | 2.010 |
| 197.850 | 2.030 | 202.840 | 2.000 | 207.830 | 2.120 | 212.820 | 2.100 |
| 217.810 | 2.100 | 222.800 | 2.120 | 227.790 | 2.180 | 232.780 | 2.040 |
| 237.770 | 1.910 | 242.760 | 1.890 | 247.750 | 1.810 | 252.740 | 1.710 |
| 257.730 | 1.670 | 262.720 | 1.660 | 267.710 | 1.680 | 272.700 | 1.680 |
| 276.690 | 2.060 | 277.690 | 2.130 | 280.790 | 2.280 | 284.080 | 2.490 |
| 294.460 | 2.640 | 300.150 | 4.660 | 300.950 | 4.610 | 301.940 | 4.270 |
| 305.140 | 4.370 | 308.430 | 5.430 | 310.000 | 5.620 | 310.000 | 5.780 |
| 310.000 | 5.620 | 313.280 | 5.940 | 325.580 | 6.320 | 345.280 | 6.700 |
| 349.380 | 6.610 | 362.580 | 6.750 | 368.460 | 6.910 | 368.940 | 6.560 |
| 369.590 | 6.560 | 370.590 | 7.210 | 371.040 | 7.210 | 371.690 | 6.850 |
| 375.390 | 6.920 | 376.440 | 7.280 | 380.690 | 7.700 | 385.590 | 9.250 |
| 390.760 | 11.050 | 393.860 | 11.340 | 397.160 | 12.820 | 400.460 | 14.390 |
| 400.460 | 14.870 | 400.460 | 14.390 | 401.860 | 15.010 | 405.210 | 15.100 |
| 408.810 | 15.090 | 414.240 | 12.630 | 414.320 | 12.430 | 420.360 | 12.410 |
| 420.470 | 12.330 | 424.480 | 12.180 | 428.530 | 10.670 | 432.080 | 9.320 |
| 432.360 | 9.220 | 432.670 | 9.220 | 433.400 | 8.080 | 433.830 | 8.050 |
| 42.0 | 0.000 | | | | 161 | 59 118 | 33 138 |
| -98.000 | 4.920 | -97.500 | 5.050 | -95.600 | 7.950 | -95.160 | 7.950 |
| -93.530 | 8.740 | -83.130 | 8.970 | -78.630 | 9.100 | -73.450 | 9.200 |
| -72.490 | 9.490 | -49.600 | 9.440 | -45.750 | 9.560 | -39.350 | 9.960 |
| -33.000 | 10.050 | -32.600 | 9.870 | -28.380 | 9.870 | -25.580 | 10.920 |
| -20.960 | 12.800 | -16.790 | 13.020 | -14.230 | 14.310 | -14.030 | 14.350 |
| -14.030 | 14.470 | -13.880 | 14.470 | -13.780 | 14.350 | -8.080 | 14.500 |
| -7.930 | 14.820 | -7.050 | 14.900 | -6.280 | 15.350 | -5.800 | 15.410 |
| -2.600 | 15.430 | 0.200 | 15.330 | 0.920 | 15.280 | 2.000 | 14.550 |
| 2.000 | 14.960 | 2.000 | 14.550 | 5.050 | 12.930 | 5.260 | 12.930 |
| 12.800 | 9.190 | 13.270 | 9.190 | 13.270 | 9.080 | 17.240 | 8.870 |
| 17.240 | 8.760 | 20.190 | 8.650 | 21.500 | 8.010 | 22.080 | 8.010 |
| 48.140 | 7.440 | 56.810 | 7.200 | 57.380 | 7.200 | 57.380 | 7.070 |
| 59.410 | 7.010 | 62.860 | 5.430 | 67.410 | 5.320 | 90.210 | 5.740 |
| 108.110 | 5.630 | 118.410 | 5.510 | 130.610 | 5.220 | 138.530 | 5.130 |
| 138.530 | 5.290 | 138.530 | 5.130 | 142.520 | 5.040 | 146.520 | 3.840 |
| 148.410 | 2.840 | 151.510 | 2.650 | 152.190 | 2.480 | 153.510 | 2.380 |
| 158.500 | 1.700 | 163.490 | 1.460 | 168.480 | 1.670 | 173.480 | 1.820 |
| 178.470 | 1.780 | 183.460 | 1.740 | 188.450 | 1.770 | 193.450 | 1.850 |
| 198.440 | 1.870 | 203.430 | 2.090 | 208.420 | 2.190 | 213.420 | 2.430 |
| 213.420 | 2.310 | 218.410 | 2.160 | 223.400 | 2.200 | 228.390 | 2.140 |
| 233.380 | 2.260 | 237.960 | 2.440 | 240.370 | 2.520 | 244.870 | 2.610 |
| 247.560 | 2.540 | 248.360 | 2.510 | 253.350 | 2.310 | 258.350 | 2.380 |
| 263.340 | 2.360 | 268.330 | 2.360 | 273.320 | 2.370 | 278.320 | 2.370 |
| 283.310 | 2.400 | 288.300 | 2.420 | 293.290 | 2.450 | 296.610 | 2.520 |
| 298.290 | 2.570 | 308.270 | 2.720 | 313.260 | 2.690 | 315.660 | 2.560 |
| 318.250 | 2.450 | 323.250 | 2.080 | 328.240 | 1.860 | 333.230 | 1.880 |
| 338.220 | 2.010 | 343.220 | 2.060 | 345.210 | 2.180 | 346.210 | 2.260 |
| 348.210 | 2.410 | 353.200 | 2.450 | 354.690 | 2.560 | 355.000 | 2.660 |
| 357.790 | 2.740 | 360.490 | 3.090 | 362.390 | 3.870 | 364.580 | 4.170 |
| 372.470 | 7.250 | 373.780 | 7.620 | 373.780 | 7.760 | 373.780 | 7.620 |
| 375.660 | 7.770 | 384.160 | 7.820 | 387.430 | 7.770 | 389.250 | 7.900 |
| 389.590 | 7.690 | 394.320 | 7.750 | 394.740 | 7.980 | 398.040 | 8.050 |
| 398.790 | 8.190 | 401.160 | 8.980 | 406.230 | 10.740 | 407.470 | 11.110 |
| 409.770 | 11.290 | 411.110 | 11.470 | 413.130 | 12.410 | 416.610 | 14.170 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 417.080 | 14.320 | 417.080 | 14.790 | 417.080 | 14.320 | 417.550 | 14.460 |
| 418.550 | 15.060 | 418.940 | 15.030 | 421.330 | 15.040 | 424.730 | 14.960 |
| 426.370 | 14.950 | 427.720 | 14.340 | 430.320 | 13.130 | 430.970 | 12.980 |
| 431.270 | 12.980 | 431.370 | 12.640 | 434.100 | 12.640 | 434.750 | 12.450 |
| 438.840 | 12.260 | 440.360 | 11.550 | 442.940 | 10.450 | 445.290 | 9.490 |
| 445.590 | 9.490 | 446.160 | 8.460 | 446.400 | 8.460 | 458.020 | 8.490 |
| 458.550 | 8.430 | | | | | | |
| 42.2 | 0.000 | | | | 148 | 66 120 | 43 133 |
| -100.000 | 8.870 | -95.280 | 8.870 | -94.480 | 8.580 | -93.930 | 8.620 |
| -93.330 | 8.970 | -90.830 | 9.160 | -84.830 | 9.170 | -83.730 | 9.650 |
| -81.730 | 9.610 | -80.530 | 9.150 | -76.830 | 8.930 | -70.430 | 8.840 |
| -69.410 | 8.790 | -68.930 | 8.660 | -67.530 | 8.010 | -67.180 | 8.010 |
| -65.330 | 4.580 | -62.930 | 4.370 | -60.330 | 4.490 | -57.130 | 4.420 |
| -53.130 | 4.270 | -51.930 | 4.670 | -50.480 | 5.970 | -45.680 | 8.300 |
| -45.130 | 8.630 | -42.680 | 8.680 | -42.230 | 8.820 | -26.600 | 9.110 |
| -25.290 | 9.450 | -22.770 | 9.630 | -20.060 | 10.590 | -17.640 | 11.550 |
| -16.640 | 11.730 | -13.710 | 11.890 | -12.960 | 12.100 | -10.590 | 13.320 |
| -6.990 | 15.530 | -6.640 | 15.560 | -4.250 | 15.620 | -1.740 | 15.490 |
| -1.300 | 15.510 | 0.000 | 15.020 | 0.000 | 15.400 | 0.000 | 15.020 |
| 3.800 | 12.790 | 7.070 | 11.110 | 10.050 | 9.630 | 11.670 | 9.320 |
| 15.920 | 9.070 | 20.260 | 7.350 | 20.910 | 7.140 | 28.860 | 6.740 |
| 46.110 | 6.820 | 62.960 | 6.930 | 69.840 | 6.810 | 96.590 | 6.010 |
| 105.240 | 5.360 | 115.940 | 5.150 | 125.240 | 5.200 | 134.240 | 5.080 |
| 149.750 | 4.850 | 149.750 | 4.970 | 149.750 | 4.850 | 151.450 | 4.520 |
| 152.750 | 4.040 | 153.150 | 3.260 | 156.240 | 2.590 | 157.740 | 2.270 |
| 159.740 | 2.030 | 164.730 | 2.060 | 169.730 | 2.380 | 173.220 | 2.580 |
| 174.720 | 2.650 | 184.710 | 2.810 | 194.700 | 2.780 | 197.900 | 2.690 |
| 199.700 | 2.680 | 204.690 | 2.610 | 209.690 | 2.680 | 210.400 | 2.740 |
| 212.180 | 2.770 | 213.180 | 2.770 | 219.670 | 2.750 | 221.270 | 2.710 |
| 224.670 | 2.460 | 229.660 | 2.280 | 234.660 | 2.180 | 239.650 | 2.180 |
| 244.650 | 2.150 | 249.640 | 2.120 | 254.640 | 2.180 | 259.630 | 2.010 |
| 264.630 | 2.040 | 269.620 | 2.170 | 274.620 | 2.270 | 279.610 | 2.190 |
| 284.600 | 2.200 | 289.600 | 2.180 | 294.590 | 2.180 | 299.590 | 2.200 |
| 304.580 | 2.230 | 309.580 | 2.180 | 314.570 | 2.370 | 319.570 | 2.520 |
| 324.560 | 2.670 | 334.550 | 2.740 | 338.050 | 2.720 | 341.040 | 2.620 |
| 344.540 | 2.440 | 347.640 | 2.250 | 348.460 | 2.620 | 352.400 | 4.590 |
| 352.630 | 4.600 | 353.630 | 4.940 | 356.850 | 5.280 | 360.550 | 7.090 |
| 362.530 | 7.170 | 362.530 | 7.270 | 362.820 | 7.270 | 362.850 | 7.330 |
| 362.850 | 7.570 | 362.850 | 7.330 | 369.950 | 7.640 | 374.250 | 8.150 |
| 381.430 | 8.250 | 381.780 | 8.420 | 384.750 | 8.550 | 387.400 | 9.390 |
| 393.040 | 11.220 | 397.220 | 11.580 | 399.620 | 12.750 | 403.020 | 14.550 |
| 403.020 | 15.030 | 403.020 | 14.550 | 404.270 | 15.180 | 404.570 | 15.220 |
| 407.870 | 15.150 | 411.020 | 15.060 | 411.170 | 14.990 | 414.720 | 13.270 |
| 416.350 | 13.180 | 416.650 | 13.180 | 416.950 | 12.690 | 419.880 | 12.580 |
| 422.370 | 11.670 | 427.520 | 9.720 | 430.370 | 9.310 | 431.160 | 9.080 |
| 42.4 | 0.000 | | | | 141 | 74 113 | 51 125 |
| -100.000 | 8.350 | -82.800 | 8.350 | -82.450 | 8.160 | -81.900 | 8.230 |
| -80.600 | 8.910 | -76.750 | 8.830 | -76.750 | 8.450 | -76.450 | 8.450 |
| -76.450 | 8.830 | -76.200 | 8.830 | -76.200 | 9.790 | -76.050 | 9.790 |
| -76.050 | 10.450 | -75.900 | 10.450 | -75.900 | 9.100 | -68.500 | 9.100 |
| -68.500 | 9.470 | -68.200 | 9.470 | -68.200 | 9.040 | -64.900 | 8.850 |
| -61.890 | 8.790 | -59.840 | 8.050 | -59.520 | 8.050 | -57.950 | 4.980 |
| -57.000 | 4.870 | -54.800 | 4.840 | -51.750 | 5.050 | -46.950 | 5.280 |
| -45.900 | 5.640 | -42.350 | 6.890 | -40.250 | 8.040 | -39.600 | 8.360 |
| -37.330 | 8.240 | -36.580 | 8.220 | -29.530 | 8.460 | -29.330 | 8.530 |
| -27.290 | 8.970 | -24.790 | 9.220 | -24.090 | 9.340 | -21.090 | 10.440 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| -18.090 | 11.620 | -14.970 | 11.900 | -14.120 | 12.070 | -11.220 | 13.440 |
| -7.160 | 15.320 | -6.850 | 15.400 | -4.500 | 15.470 | -1.980 | 15.390 |
| -1.550 | 15.350 | 0.000 | 14.570 | 0.000 | 15.080 | 0.000 | 14.570 |
| 0.500 | 14.260 | 3.960 | 12.540 | 8.260 | 10.310 | 10.940 | 9.020 |
| 12.410 | 8.800 | 15.880 | 8.640 | 17.610 | 8.200 | 19.840 | 7.410 |
| 38.050 | 7.250 | 62.640 | 7.670 | 69.730 | 7.450 | 91.490 | 7.160 |
| 106.280 | 6.440 | 111.130 | 6.390 | 119.020 | 6.090 | 122.650 | 5.820 |
| 147.080 | 5.740 | 148.320 | 6.180 | 155.900 | 6.010 | 155.900 | 6.170 |
| 155.900 | 6.010 | 156.900 | 5.810 | 158.000 | 4.850 | 161.900 | 4.050 |
| 163.790 | 3.120 | 167.410 | 2.790 | 170.890 | 2.110 | 172.890 | 1.840 |
| 175.880 | 1.510 | 180.880 | 1.240 | 185.880 | 1.010 | 190.870 | 0.910 |
| 195.870 | 0.790 | 200.860 | 0.800 | 205.860 | 1.130 | 210.850 | 1.830 |
| 215.850 | 2.200 | 220.850 | 2.430 | 225.840 | 2.680 | 227.460 | 2.780 |
| 230.840 | 2.890 | 240.830 | 3.190 | 250.820 | 3.340 | 260.810 | 3.320 |
| 270.800 | 3.290 | 280.800 | 3.280 | 290.790 | 3.240 | 300.780 | 3.210 |
| 310.770 | 3.090 | 320.760 | 2.910 | 326.760 | 2.760 | 330.750 | 2.740 |
| 335.750 | 2.690 | 340.750 | 2.650 | 345.440 | 2.640 | 345.860 | 2.740 |
| 349.670 | 4.660 | 350.590 | 4.660 | 350.740 | 4.890 | 353.690 | 5.100 |
| 357.970 | 7.260 | 359.980 | 7.240 | 360.260 | 7.340 | 360.300 | 7.390 |
| 360.300 | 7.630 | 360.300 | 7.390 | 368.780 | 7.760 | 373.380 | 8.590 |
| 383.810 | 8.980 | 390.440 | 11.180 | 394.640 | 11.670 | 400.900 | 14.760 |
| 400.900 | 15.290 | 400.900 | 14.760 | 401.800 | 15.270 | 402.250 | 15.230 |
| 405.250 | 15.210 | 408.400 | 15.140 | 408.650 | 15.010 | 412.000 | 13.440 |
| 414.130 | 13.250 | 414.430 | 13.250 | 414.650 | 12.810 | 417.550 | 12.680 |
| 422.860 | 10.630 | 425.860 | 9.660 | 428.260 | 9.310 | 430.100 | 8.840 |
| 442.600 | 8.540 | | | | | | |
| 42.6 | 0.000 | | | | 152 | 66 121 | 43 135 |
| -102.000 | 9.480 | -99.260 | 9.480 | -92.060 | 9.480 | -80.260 | 9.500 |
| -78.410 | 8.890 | -78.010 | 8.890 | -78.010 | 9.330 | -75.360 | 9.330 |
| -75.360 | 9.030 | -65.910 | 8.920 | -65.210 | 8.790 | -62.310 | 8.900 |
| -59.410 | 8.880 | -57.660 | 8.030 | -57.330 | 8.010 | -55.710 | 4.960 |
| -54.360 | 4.910 | -49.660 | 4.970 | -46.160 | 4.940 | -44.140 | 5.040 |
| -42.540 | 8.000 | -41.960 | 8.130 | -41.360 | 8.430 | -40.780 | 8.430 |
| -40.330 | 8.180 | -31.030 | 8.200 | -29.580 | 8.520 | -28.610 | 8.730 |
| -25.590 | 9.010 | -23.540 | 9.430 | -22.340 | 9.950 | -18.490 | 11.880 |
| -15.330 | 11.900 | -14.640 | 12.020 | -12.130 | 13.160 | -8.530 | 15.130 |
| -8.030 | 15.350 | -5.550 | 15.350 | -3.250 | 15.270 | -2.700 | 15.070 |
| -2.230 | 15.030 | -2.000 | 14.910 | -2.000 | 15.450 | -2.000 | 14.910 |
| 1.740 | 13.080 | 5.420 | 11.240 | 7.320 | 10.420 | 10.620 | 10.220 |
| 12.320 | 9.930 | 15.680 | 8.870 | 26.380 | 8.780 | 28.780 | 8.330 |
| 48.750 | 8.400 | 64.840 | 8.100 | 75.190 | 7.950 | 77.840 | 7.060 |
| 81.840 | 6.870 | 85.310 | 5.570 | 104.220 | 6.090 | 108.090 | 6.830 |
| 112.390 | 7.230 | 115.090 | 7.190 | 117.890 | 6.630 | 130.790 | 5.590 |
| 136.420 | 5.550 | 141.070 | 5.960 | 141.070 | 6.110 | 141.070 | 5.960 |
| 142.870 | 5.750 | 146.460 | 4.440 | 147.860 | 2.960 | 152.050 | 2.960 |
| 153.050 | 2.810 | 156.050 | 2.310 | 161.040 | 2.130 | 166.030 | 1.560 |
| 171.020 | 1.980 | 176.010 | 2.200 | 181.010 | 1.880 | 186.000 | 1.800 |
| 190.990 | 2.310 | 195.980 | 2.340 | 200.970 | 2.610 | 205.970 | 2.690 |
| 207.060 | 2.790 | 210.960 | 2.900 | 220.940 | 2.980 | 230.930 | 3.010 |
| 233.920 | 3.070 | 234.920 | 3.050 | 235.920 | 3.010 | 240.910 | 3.000 |
| 245.900 | 2.960 | 250.890 | 2.940 | 255.890 | 2.860 | 260.880 | 2.880 |
| 265.870 | 2.850 | 270.860 | 2.890 | 275.850 | 3.000 | 280.850 | 3.000 |
| 285.840 | 2.990 | 290.830 | 3.010 | 291.530 | 3.070 | 295.320 | 3.150 |
| 300.810 | 3.220 | 310.800 | 3.310 | 320.780 | 3.130 | 324.770 | 3.000 |
| 325.770 | 2.970 | 330.760 | 2.900 | 332.360 | 2.880 | 332.620 | 3.010 |
| 336.050 | 4.700 | 338.940 | 4.740 | 338.940 | 4.840 | 339.450 | 4.850 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 344.070 | 7.200 | 346.130 | 7.290 | 346.130 | 7.390 | 346.430 | 7.390 |
| 346.460 | 7.370 | 346.460 | 7.590 | 346.460 | 7.370 | 349.140 | 7.420 |
| 350.440 | 7.720 | 369.540 | 8.300 | 373.840 | 8.730 | 382.250 | 11.470 |
| 385.690 | 11.700 | 388.830 | 13.260 | 389.330 | 13.720 | 393.930 | 13.870 |
| 394.160 | 14.290 | 395.060 | 14.470 | 395.060 | 14.910 | 395.060 | 14.470 |
| 396.410 | 15.370 | 397.160 | 15.360 | 403.460 | 15.320 | 404.040 | 15.160 |
| 407.640 | 13.540 | 409.470 | 13.300 | 409.770 | 13.300 | 410.120 | 12.770 |
| 412.820 | 12.730 | 417.190 | 11.040 | 422.640 | 9.390 | 423.290 | 9.030 |
| 423.990 | 8.460 | 424.540 | 8.440 | 441.140 | 8.260 | 441.440 | 8.110 |
| 42.8 | 0.000 | | | | 132 | 48.104 | 34.117 |
| -102.000 | 10.590 | -97.720 | 10.270 | -84.970 | 10.220 | -82.570 | 10.170 |
| -81.870 | 10.100 | -81.730 | 10.050 | -81.380 | 10.050 | -80.530 | 8.540 |
| -79.360 | 8.070 | -78.810 | 7.960 | -78.460 | 7.960 | -76.860 | 5.110 |
| -73.010 | 5.080 | -68.710 | 5.150 | -64.260 | 5.090 | -62.460 | 7.930 |
| -62.110 | 7.990 | -47.960 | 9.150 | -37.860 | 9.640 | -35.810 | 8.670 |
| -30.610 | 8.640 | -29.910 | 8.850 | -24.550 | 10.900 | -19.320 | 12.850 |
| -18.270 | 12.990 | -14.770 | 13.110 | -12.520 | 14.230 | -9.370 | 15.760 |
| -9.000 | 15.810 | -6.550 | 15.930 | -4.050 | 16.010 | -3.700 | 16.050 |
| -2.000 | 15.250 | -2.000 | 15.860 | -2.000 | 15.250 | -1.600 | 15.070 |
| 1.920 | 13.420 | 5.120 | 11.790 | 6.320 | 11.620 | 9.870 | 11.430 |
| 11.020 | 11.290 | 17.180 | 9.250 | 21.980 | 9.030 | 29.780 | 8.750 |
| 30.680 | 8.500 | 65.980 | 8.060 | 70.680 | 7.800 | 72.830 | 7.270 |
| 77.500 | 6.910 | 78.830 | 6.440 | 81.930 | 5.270 | 87.280 | 5.450 |
| 88.480 | 5.120 | 101.350 | 5.200 | 103.610 | 5.460 | 116.720 | 5.450 |
| 116.720 | 5.600 | 116.720 | 5.450 | 118.620 | 5.370 | 119.920 | 4.590 |
| 121.720 | 4.310 | 131.710 | 4.310 | 136.700 | 4.090 | 147.700 | 4.570 |
| 153.190 | 4.310 | 155.090 | 4.950 | 160.190 | 4.960 | 161.290 | 5.310 |
| 166.680 | 5.160 | 173.680 | 5.320 | 178.870 | 5.760 | 182.870 | 4.440 |
| 192.860 | 4.320 | 196.660 | 3.820 | 206.650 | 3.870 | 216.640 | 4.050 |
| 226.640 | 3.870 | 236.630 | 3.870 | 242.620 | 3.760 | 248.070 | 3.070 |
| 251.620 | 2.820 | 256.610 | 2.760 | 261.610 | 2.530 | 266.610 | 2.200 |
| 271.600 | 2.080 | 276.600 | 1.960 | 281.600 | 1.880 | 286.590 | 1.780 |
| 291.590 | 1.760 | 296.580 | 1.630 | 301.580 | 1.700 | 306.580 | 1.780 |
| 311.570 | 1.900 | 316.570 | 2.000 | 321.570 | 2.100 | 326.560 | 2.280 |
| 331.560 | 2.430 | 336.550 | 2.760 | 341.100 | 2.740 | 341.550 | 3.000 |
| 341.750 | 3.080 | 344.880 | 4.780 | 348.150 | 4.930 | 352.620 | 7.190 |
| 354.910 | 7.370 | 355.010 | 7.290 | 355.010 | 7.500 | 355.010 | 7.290 |
| 365.610 | 7.510 | 368.880 | 8.080 | 396.010 | 8.810 | 401.010 | 11.300 |
| 404.420 | 11.360 | 408.070 | 13.200 | 409.100 | 13.210 | 412.350 | 15.050 |
| 412.350 | 15.490 | 412.350 | 15.050 | 413.600 | 15.860 | 414.000 | 15.850 |
| 419.050 | 15.830 | 420.350 | 15.610 | 423.050 | 13.920 | 424.800 | 13.420 |
| 425.320 | 13.390 | 425.620 | 13.390 | 425.900 | 12.860 | 428.670 | 12.800 |
| 432.050 | 11.550 | 438.000 | 9.300 | 439.600 | 9.120 | 442.710 | 8.150 |
| 43.0 | 0.000 | | | | 134 | 50.99 | 25.116 |
| -100.000 | 8.270 | -78.200 | 8.310 | -58.180 | 8.570 | -38.680 | 8.780 |
| -38.180 | 9.080 | -38.180 | 9.200 | -29.030 | 9.200 | -28.790 | 9.160 |
| -28.790 | 9.080 | -27.200 | 9.260 | -25.380 | 10.080 | -23.480 | 11.110 |
| -20.600 | 11.290 | -19.450 | 11.830 | -18.450 | 12.060 | -14.780 | 12.200 |
| -12.050 | 13.490 | -8.520 | 15.390 | -8.040 | 15.560 | -7.450 | 15.660 |
| -4.700 | 15.750 | -2.220 | 15.750 | -1.300 | 15.710 | 0.000 | 14.950 |
| 0.000 | 15.520 | 0.000 | 14.950 | 0.350 | 14.710 | 3.280 | 13.080 |
| 5.650 | 11.910 | 7.160 | 11.710 | 11.790 | 11.440 | 12.860 | 11.180 |
| 18.130 | 9.380 | 28.740 | 8.880 | 29.280 | 8.760 | 44.530 | 8.420 |
| 56.930 | 8.280 | 67.830 | 8.040 | 70.030 | 7.670 | 74.110 | 6.740 |
| 83.870 | 6.420 | 87.290 | 5.690 | 94.110 | 5.540 | 101.130 | 5.740 |
| 104.030 | 6.190 | 106.580 | 6.290 | 110.880 | 5.250 | 117.730 | 5.390 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 122.880 | 5.890 | 133.630 | 5.690 | 133.630 | 5.870 | 133.630 | 5.690 |
| 138.130 | 5.060 | 141.730 | 4.230 | 148.620 | 3.460 | 158.620 | 4.830 |
| 168.620 | 4.680 | 177.610 | 4.580 | 183.610 | 4.470 | 193.610 | 4.280 |
| 196.100 | 4.250 | 197.100 | 4.580 | 199.800 | 4.730 | 200.900 | 4.290 |
| 203.600 | 4.290 | 213.600 | 4.110 | 223.590 | 4.300 | 233.590 | 4.480 |
| 243.590 | 4.510 | 253.580 | 4.540 | 263.580 | 4.610 | 273.570 | 4.540 |
| 283.570 | 4.330 | 293.570 | 4.200 | 303.560 | 4.890 | 313.560 | 3.480 |
| 322.060 | 3.130 | 323.550 | 3.030 | 328.550 | 2.580 | 333.550 | 2.280 |
| 338.550 | 1.890 | 343.550 | 1.340 | 348.540 | 1.220 | 353.540 | 1.390 |
| 358.540 | 1.560 | 363.540 | 2.060 | 368.540 | 2.520 | 373.530 | 2.660 |
| 378.530 | 2.440 | 380.530 | 2.920 | 383.530 | 2.890 | 388.530 | 2.470 |
| 393.530 | 2.030 | 396.320 | 2.050 | 397.420 | 2.250 | 397.420 | 3.150 |
| 399.220 | 2.330 | 403.920 | 3.510 | 405.220 | 5.340 | 406.320 | 5.660 |
| 406.670 | 5.690 | 406.670 | 5.950 | 406.670 | 5.690 | 416.730 | 6.190 |
| 434.130 | 6.750 | 436.030 | 6.990 | 439.940 | 8.670 | 441.590 | 9.500 |
| 443.770 | 9.660 | 446.890 | 11.310 | 450.820 | 11.710 | 454.750 | 13.770 |
| 457.480 | 15.140 | 458.030 | 15.400 | 458.130 | 15.400 | 458.380 | 15.470 |
| 463.730 | 15.470 | 465.380 | 15.150 | 468.130 | 13.980 | 469.230 | 13.740 |
| 481.360 | 13.340 | 482.530 | 13.440 | 488.680 | 13.330 | 488.980 | 13.430 |
| 490.100 | 13.280 | 492.950 | 12.040 | 497.900 | 9.940 | 498.600 | 9.940 |
| 499.200 | 9.090 | 502.300 | 8.950 | 502.300 | 8.250 | 503.450 | 8.250 |
| 503.450 | 8.940 | 503.550 | 8.650 | | | | |
| 43.2 | 0.000 | | | | 128 | 47 90 | 24 109 |
| -101.000 | 9.650 | -44.560 | 9.630 | -34.560 | 9.510 | -28.060 | 9.230 |
| -27.840 | 9.240 | -27.840 | 8.620 | -27.200 | 8.620 | -26.760 | 9.870 |
| -26.360 | 9.860 | -26.110 | 9.860 | -24.460 | 9.940 | -24.260 | 9.940 |
| -21.810 | 10.820 | -19.160 | 12.040 | -15.780 | 12.210 | -14.730 | 12.430 |
| -12.180 | 13.740 | -8.680 | 15.400 | -8.200 | 15.500 | -5.400 | 15.540 |
| -2.800 | 15.450 | -2.100 | 15.260 | -1.000 | 14.720 | -1.000 | 15.220 |
| -1.000 | 14.730 | -0.500 | 14.400 | 2.030 | 13.070 | 4.580 | 11.820 |
| 5.380 | 11.630 | 10.110 | 11.460 | 15.640 | 9.510 | 16.140 | 9.340 |
| 23.840 | 9.260 | 24.390 | 9.150 | 37.790 | 8.860 | 45.520 | 8.530 |
| 49.220 | 8.320 | 78.970 | 7.980 | 94.920 | 7.670 | 110.920 | 7.600 |
| 128.370 | 7.430 | 129.120 | 7.400 | 132.420 | 6.660 | 137.610 | 6.360 |
| 137.610 | 6.520 | 137.610 | 6.360 | 138.310 | 6.300 | 141.110 | 3.710 |
| 147.610 | 4.100 | 157.610 | 4.230 | 167.620 | 4.520 | 177.620 | 4.650 |
| 187.620 | 4.970 | 197.620 | 5.200 | 207.620 | 5.240 | 217.630 | 5.260 |
| 227.630 | 5.200 | 237.630 | 5.090 | 247.630 | 4.890 | 257.630 | 4.710 |
| 267.630 | 4.530 | 277.640 | 4.270 | 287.640 | 3.980 | 297.640 | 3.470 |
| 302.640 | 3.190 | 307.640 | 2.840 | 312.640 | 2.610 | 317.640 | 2.440 |
| 322.650 | 2.380 | 327.650 | 2.360 | 332.650 | 2.300 | 337.650 | 2.180 |
| 342.650 | 2.160 | 347.650 | 2.190 | 352.650 | 2.290 | 357.650 | 2.270 |
| 362.650 | 2.450 | 367.650 | 2.690 | 372.650 | 3.060 | 377.660 | 2.740 |
| 382.660 | 2.040 | 387.660 | 1.710 | 389.560 | 1.680 | 391.060 | 1.810 |
| 391.060 | 3.160 | 392.360 | 2.730 | 395.660 | 3.720 | 398.460 | 4.310 |
| 399.960 | 5.460 | 401.090 | 5.590 | 401.090 | 5.840 | 401.090 | 5.590 |
| 413.540 | 5.760 | 423.680 | 5.920 | 426.850 | 5.910 | 427.790 | 6.000 |
| 432.190 | 6.110 | 438.210 | 6.920 | 441.990 | 8.760 | 442.540 | 8.780 |
| 443.440 | 9.080 | 451.990 | 9.600 | 454.730 | 10.710 | 456.140 | 11.430 |
| 459.890 | 11.780 | 461.540 | 12.550 | 466.010 | 14.740 | 466.290 | 14.860 |
| 466.290 | 15.270 | 466.290 | 14.860 | 466.590 | 15.060 | 467.190 | 15.440 |
| 467.640 | 15.440 | 473.590 | 15.450 | 473.840 | 15.500 | 474.260 | 15.330 |
| 474.860 | 14.860 | 480.410 | 12.200 | 484.510 | 11.820 | 489.460 | 10.030 |
| 491.260 | 9.370 | 491.660 | 9.080 | 494.260 | 8.980 | 496.160 | 8.420 |
| 498.810 | 7.660 | 499.260 | 7.570 | 513.610 | 7.230 | 515.510 | 6.470 |
| 43.4 | 0.000 | | | | 131 | 51 92 | 26 115 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| -100.000 | 10.200 | -56.000 | 10.150 | -51.050 | 10.030 | -45.830 | 9.640 |
| -45.830 | 9.460 | -45.650 | 9.460 | -45.650 | 9.640 | -34.550 | 9.420 |
| -27.400 | 9.180 | -27.200 | 9.180 | -27.200 | 8.810 | -26.500 | 8.810 |
| -26.170 | 9.810 | -25.700 | 9.810 | -23.450 | 9.930 | -18.790 | 12.110 |
| -15.540 | 12.220 | -13.990 | 12.420 | -11.440 | 13.740 | -8.010 | 15.360 |
| -7.400 | 15.510 | -4.400 | 15.540 | -2.150 | 15.490 | -1.500 | 15.380 |
| 0.000 | 14.540 | 0.000 | 15.070 | 0.000 | 14.540 | 3.620 | 12.620 |
| 5.370 | 11.770 | 6.540 | 11.590 | 10.660 | 11.390 | 15.540 | 9.640 |
| 15.940 | 9.570 | 17.940 | 9.460 | 22.670 | 9.180 | 51.740 | 8.240 |
| 58.540 | 8.080 | 79.740 | 8.620 | 101.390 | 8.740 | 105.790 | 8.830 |
| 114.190 | 8.640 | 123.890 | 7.990 | 140.390 | 6.530 | 142.610 | 6.710 |
| 142.610 | 6.870 | 142.610 | 6.710 | 143.810 | 6.540 | 145.810 | 5.720 |
| 156.090 | 5.950 | 166.280 | 6.210 | 168.280 | 5.630 | 170.580 | 5.670 |
| 170.580 | 4.880 | 172.520 | 3.650 | 175.070 | 3.210 | 179.060 | 3.320 |
| 183.360 | 3.660 | 189.050 | 4.520 | 192.550 | 4.770 | 202.540 | 5.160 |
| 212.520 | 5.170 | 222.510 | 5.150 | 232.500 | 5.010 | 242.490 | 4.820 |
| 252.470 | 4.590 | 262.460 | 4.330 | 272.450 | 4.000 | 282.440 | 3.630 |
| 290.230 | 3.340 | 292.420 | 3.290 | 297.420 | 3.140 | 302.410 | 3.020 |
| 307.410 | 2.820 | 312.400 | 2.720 | 317.390 | 2.660 | 322.390 | 2.590 |
| 327.380 | 2.540 | 332.370 | 2.520 | 337.370 | 2.490 | 342.360 | 2.440 |
| 347.360 | 2.460 | 352.350 | 2.490 | 357.340 | 2.620 | 362.340 | 2.860 |
| 365.830 | 3.060 | 366.630 | 3.190 | 368.550 | 3.340 | 369.830 | 3.670 |
| 373.120 | 4.640 | 375.020 | 4.990 | 375.720 | 5.410 | 376.290 | 5.480 |
| 376.290 | 5.750 | 376.290 | 5.480 | 380.490 | 5.500 | 396.390 | 5.630 |
| 408.060 | 5.860 | 410.290 | 6.900 | 414.510 | 8.970 | 415.350 | 8.980 |
| 415.350 | 8.870 | 416.890 | 8.920 | 417.250 | 9.020 | 418.120 | 9.240 |
| 423.920 | 9.690 | 425.720 | 9.950 | 428.570 | 11.340 | 431.090 | 12.920 |
| 434.990 | 15.080 | 438.330 | 14.820 | 438.610 | 15.020 | 438.610 | 15.570 |
| 438.610 | 15.020 | 439.010 | 15.250 | 439.910 | 15.890 | 440.260 | 15.880 |
| 440.410 | 15.840 | 446.210 | 15.860 | 446.590 | 15.870 | 452.490 | 12.600 |
| 453.270 | 12.420 | 456.470 | 12.270 | 461.490 | 10.400 | 464.140 | 9.160 |
| 466.540 | 9.040 | 469.270 | 7.870 | 472.970 | 7.990 | 479.470 | 7.990 |
| 479.470 | 7.630 | 483.170 | 7.530 | 486.470 | 7.070 | | |
| 43.6 | 0.000 | | | | 119 | 50 82 | 27 101 |
| -100.000 | 9.540 | -53.310 | 9.540 | -51.710 | 9.530 | -51.710 | 9.320 |
| -43.230 | 9.370 | -38.250 | 9.330 | -26.530 | 9.250 | -26.330 | 9.240 |
| -26.330 | 8.840 | -25.650 | 8.840 | -25.340 | 9.900 | -24.900 | 9.910 |
| -22.830 | 10.200 | -22.600 | 10.300 | -20.720 | 10.900 | -18.320 | 12.170 |
| -17.920 | 12.280 | -14.220 | 12.470 | -11.420 | 13.770 | -10.070 | 14.510 |
| -7.520 | 15.730 | -7.200 | 15.830 | -4.700 | 15.920 | -2.230 | 15.810 |
| -1.300 | 15.700 | 0.000 | 15.030 | 0.000 | 15.490 | 0.000 | 15.030 |
| 3.000 | 13.500 | 4.200 | 13.260 | 7.200 | 11.770 | 10.900 | 11.580 |
| 15.700 | 9.950 | 20.100 | 9.750 | 24.230 | 9.250 | 43.700 | 8.540 |
| 58.700 | 9.080 | 74.500 | 9.250 | 81.900 | 8.950 | 90.100 | 8.440 |
| 100.750 | 9.040 | 123.150 | 8.630 | 141.150 | 8.720 | 150.780 | 8.420 |
| 174.740 | 8.310 | 200.480 | 7.250 | 205.680 | 6.960 | 207.780 | 7.060 |
| 209.030 | 7.500 | 216.570 | 7.580 | 216.570 | 7.740 | 216.570 | 7.580 |
| 220.070 | 6.940 | 221.970 | 6.060 | 225.270 | 5.430 | 226.970 | 4.460 |
| 228.970 | 3.990 | 236.560 | 4.090 | 246.560 | 4.210 | 256.560 | 4.090 |
| 266.550 | 3.790 | 276.550 | 3.560 | 283.900 | 3.400 | 286.550 | 3.250 |
| 291.540 | 2.720 | 296.540 | 2.410 | 301.540 | 2.240 | 306.540 | 2.170 |
| 311.540 | 1.990 | 316.540 | 1.830 | 321.530 | 1.700 | 326.530 | 1.630 |
| 331.530 | 1.570 | 336.530 | 1.570 | 341.530 | 1.620 | 346.530 | 1.710 |
| 351.520 | 1.740 | 356.520 | 2.140 | 359.020 | 2.280 | 361.520 | 3.360 |
| 364.020 | 4.510 | 365.070 | 4.680 | 365.070 | 4.860 | 365.070 | 4.680 |
| 366.650 | 5.000 | 368.870 | 5.060 | 373.170 | 5.280 | 378.370 | 5.420 |

S59横断データ (-0.6~56.2). dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 381.670 | 7.060 | 385.470 | 8.900 | 388.410 | 8.960 | 388.860 | 9.060 |
| 390.620 | 9.990 | 393.540 | 10.150 | 396.330 | 11.150 | 399.380 | 12.710 |
| 402.920 | 14.680 | 403.500 | 15.060 | 403.500 | 15.640 | 403.500 | 15.060 |
| 404.900 | 15.760 | 408.600 | 15.730 | 415.250 | 15.560 | 415.550 | 15.540 |
| 415.730 | 15.440 | 421.230 | 12.390 | 422.080 | 12.090 | 423.180 | 11.890 |
| 427.730 | 10.170 | 427.930 | 9.900 | 428.280 | 9.770 | 431.500 | 9.710 |
| 431.980 | 9.710 | 446.430 | 9.260 | 447.230 | 9.270 | 447.230 | 9.550 |
| 447.430 | 9.550 | 447.530 | 10.020 | 448.780 | 9.570 | | |
| 43.8 | 0.000 | | | | 153 | 73 115 | 23 127 |
| -100.000 | 8.790 | -86.370 | 8.810 | -38.600 | 9.120 | -37.620 | 9.120 |
| -34.940 | 9.240 | -33.590 | 9.810 | -31.840 | 9.950 | -29.390 | 10.730 |
| -25.220 | 12.900 | -23.370 | 14.170 | -22.770 | 14.260 | -20.470 | 14.350 |
| -20.120 | 14.820 | -18.920 | 15.140 | -14.600 | 15.190 | -12.800 | 15.780 |
| -11.500 | 16.090 | -7.650 | 16.030 | -6.000 | 16.090 | -3.000 | 15.950 |
| -1.100 | 15.950 | 0.000 | 15.680 | 0.000 | 16.190 | 0.000 | 15.680 |
| 3.480 | 13.840 | 7.050 | 12.080 | 10.510 | 11.840 | 12.160 | 11.320 |
| 13.660 | 10.990 | 14.110 | 10.690 | 16.810 | 10.750 | 18.960 | 10.650 |
| 19.440 | 10.680 | 20.890 | 10.220 | 22.140 | 9.760 | 30.590 | 9.600 |
| 31.540 | 8.750 | 32.280 | 8.720 | 32.770 | 8.870 | 42.690 | 8.990 |
| 70.190 | 9.090 | 92.640 | 8.940 | 108.440 | 8.860 | 109.090 | 8.240 |
| 109.540 | 8.240 | 110.240 | 8.940 | 112.440 | 9.430 | 119.340 | 9.370 |
| 120.840 | 9.610 | 129.490 | 9.690 | 131.640 | 9.670 | 133.350 | 9.190 |
| 140.540 | 8.890 | 142.290 | 9.400 | 147.970 | 9.380 | 150.920 | 8.620 |
| 154.190 | 8.480 | 159.440 | 8.910 | 164.940 | 9.260 | 169.390 | 9.410 |
| 180.790 | 9.000 | 191.390 | 8.810 | 197.940 | 8.440 | 197.940 | 8.620 |
| 197.940 | 8.440 | 198.940 | 8.260 | 201.940 | 7.210 | 206.450 | 7.330 |
| 209.750 | 7.570 | 211.650 | 6.780 | 218.060 | 6.820 | 219.960 | 7.370 |
| 222.960 | 7.360 | 227.970 | 6.320 | 229.070 | 5.930 | 231.970 | 5.670 |
| 233.470 | 5.250 | 237.480 | 4.900 | 241.480 | 4.170 | 247.990 | 3.650 |
| 256.960 | 3.390 | 258.000 | 3.330 | 263.000 | 3.140 | 268.010 | 2.710 |
| 273.010 | 2.540 | 278.020 | 2.470 | 283.020 | 2.710 | 288.020 | 2.640 |
| 293.030 | 2.590 | 298.030 | 2.390 | 303.040 | 1.810 | 308.040 | 1.370 |
| 313.050 | 0.810 | 318.050 | 0.640 | 323.060 | 0.840 | 328.060 | 0.860 |
| 333.070 | 0.930 | 338.070 | 1.130 | 343.080 | 1.130 | 348.080 | 1.200 |
| 350.080 | 1.860 | 352.090 | 2.880 | 354.020 | 3.380 | 354.490 | 3.800 |
| 355.790 | 4.860 | 356.790 | 4.990 | 357.930 | 5.090 | 361.300 | 5.130 |
| 362.200 | 4.720 | 363.780 | 4.790 | 366.090 | 4.830 | 366.830 | 4.960 |
| 368.750 | 5.890 | 373.450 | 8.260 | 375.050 | 9.030 | 377.870 | 9.130 |
| 377.870 | 9.240 | 378.340 | 9.240 | 382.250 | 11.180 | 387.050 | 13.560 |
| 387.250 | 13.560 | 388.260 | 13.680 | 390.420 | 14.930 | 390.970 | 15.040 |
| 390.970 | 15.230 | 391.370 | 15.230 | 391.370 | 15.510 | 391.370 | 15.230 |
| 391.870 | 15.300 | 396.020 | 15.340 | 397.030 | 15.170 | 399.580 | 13.460 |
| 400.880 | 13.310 | 402.080 | 12.370 | 402.480 | 11.680 | 406.910 | 11.330 |
| 407.500 | 11.330 | 410.400 | 8.470 | 411.500 | 7.620 | 413.100 | 7.580 |
| 415.020 | 5.540 | 415.800 | 4.770 | 417.800 | 5.070 | 419.580 | 5.120 |
| 419.950 | 5.940 | 420.550 | 6.500 | 421.600 | 6.670 | 422.900 | 6.840 |
| 424.220 | 7.470 | 429.160 | 10.520 | 431.960 | 11.830 | 432.960 | 12.260 |
| 437.760 | 11.910 | | | | | | |
| 44.0 | 0.000 | | | | 162 | 79 135 | 29 147 |
| -55.320 | 10.350 | -52.250 | 10.380 | -48.940 | 10.520 | -48.010 | 10.540 |
| -45.630 | 10.540 | -44.760 | 10.520 | -43.950 | 10.610 | -39.600 | 10.550 |
| -36.950 | 10.670 | -35.120 | 11.070 | -34.230 | 11.150 | -33.000 | 11.310 |
| -32.660 | 11.310 | -30.190 | 11.370 | -29.700 | 11.770 | -26.500 | 13.190 |
| -24.000 | 13.170 | -23.470 | 13.400 | -23.070 | 13.490 | -19.820 | 13.480 |
| -15.150 | 15.880 | -14.800 | 15.850 | -13.700 | 15.920 | -11.640 | 15.980 |
| -9.050 | 15.950 | -8.760 | 15.890 | -7.400 | 15.910 | -7.000 | 15.770 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| -7.000 | 15.880 | -7.000 | 15.770 | -6.650 | 15.640 | -6.300 | 15.620 |
| -6.000 | 15.300 | -5.780 | 15.310 | -0.700 | 15.240 | 6.200 | 12.070 |
| 9.000 | 11.950 | 15.200 | 10.020 | 18.850 | 9.930 | 19.850 | 9.650 |
| 26.500 | 9.570 | 27.500 | 9.750 | 28.500 | 9.700 | 29.950 | 8.820 |
| 30.400 | 8.840 | 31.100 | 9.290 | 43.000 | 9.250 | 53.000 | 9.180 |
| 63.000 | 9.120 | 73.000 | 9.060 | 83.000 | 9.040 | 93.000 | 8.940 |
| 103.000 | 8.930 | 113.000 | 8.850 | 123.000 | 8.740 | 133.000 | 8.750 |
| 137.300 | 8.720 | 142.300 | 8.670 | 145.000 | 9.470 | 148.200 | 9.470 |
| 149.800 | 9.040 | 150.800 | 9.080 | 151.900 | 8.790 | 154.600 | 8.770 |
| 157.200 | 9.490 | 158.300 | 9.410 | 159.100 | 9.180 | 159.900 | 8.660 |
| 160.900 | 8.640 | 161.400 | 8.950 | 162.800 | 8.200 | 165.000 | 7.630 |
| 166.200 | 7.480 | 167.600 | 8.100 | 168.100 | 7.960 | 169.700 | 7.980 |
| 170.200 | 8.250 | 171.600 | 7.950 | 174.800 | 8.150 | 175.200 | 7.800 |
| 175.700 | 7.610 | 176.200 | 7.820 | 177.400 | 7.430 | 182.000 | 6.980 |
| 186.100 | 5.460 | 190.200 | 5.160 | 192.500 | 4.960 | 196.800 | 4.670 |
| 198.400 | 4.440 | 198.400 | 4.550 | 198.400 | 4.440 | 203.390 | 3.890 |
| 208.390 | 3.620 | 210.380 | 3.540 | 213.380 | 3.450 | 218.370 | 3.260 |
| 223.360 | 3.100 | 228.350 | 2.860 | 233.350 | 2.710 | 238.340 | 2.610 |
| 243.330 | 2.860 | 248.320 | 2.990 | 253.320 | 2.690 | 258.310 | 2.690 |
| 263.300 | 2.890 | 265.300 | 3.040 | 268.290 | 3.370 | 270.290 | 3.480 |
| 273.290 | 3.630 | 279.280 | 4.060 | 282.270 | 4.050 | 288.260 | 3.840 |
| 290.160 | 3.750 | 292.260 | 3.670 | 294.250 | 3.750 | 298.250 | 3.820 |
| 298.250 | 3.700 | 303.240 | 3.630 | 308.230 | 3.590 | 313.220 | 3.540 |
| 318.220 | 3.510 | 323.210 | 3.510 | 326.210 | 3.400 | 328.200 | 3.410 |
| 333.190 | 3.320 | 338.190 | 3.040 | 340.180 | 2.910 | 341.680 | 3.120 |
| 341.680 | 4.650 | 342.480 | 3.820 | 343.080 | 4.850 | 359.130 | 4.770 |
| 359.130 | 4.470 | 361.000 | 4.440 | 370.390 | 9.110 | 373.120 | 9.230 |
| 375.880 | 9.550 | 375.880 | 9.650 | 376.330 | 9.660 | 380.580 | 11.740 |
| 383.470 | 11.840 | 383.930 | 11.930 | 387.590 | 13.760 | 388.600 | 13.760 |
| 390.090 | 14.630 | 390.630 | 14.980 | 390.630 | 15.440 | 390.630 | 14.980 |
| 391.150 | 15.280 | 391.730 | 15.530 | 394.630 | 15.560 | 398.470 | 15.410 |
| 402.080 | 13.750 | 403.630 | 13.140 | 403.870 | 12.640 | 409.430 | 12.480 |
| 410.280 | 12.580 | 410.960 | 11.950 | 412.100 | 11.100 | 417.050 | 9.070 |
| 417.330 | 8.930 | 425.130 | 8.920 | | | | |
| 44.2 | 0.000 | | | | 151 | 51 112 | 19 123 |
| -37.940 | 9.730 | -33.700 | 9.870 | -33.550 | 9.970 | -32.690 | 9.960 |
| -32.490 | 10.020 | -32.260 | 9.560 | -32.260 | 10.050 | -30.480 | 10.160 |
| -27.100 | 10.250 | -26.870 | 10.710 | -25.470 | 10.760 | -21.750 | 12.300 |
| -18.000 | 13.840 | -13.780 | 14.030 | -10.090 | 15.960 | -9.450 | 15.940 |
| -5.090 | 16.050 | -2.120 | 15.970 | -1.460 | 15.900 | -0.570 | 15.510 |
| 0.000 | 15.210 | 0.000 | 15.660 | 0.000 | 15.210 | 0.500 | 14.940 |
| 2.600 | 13.930 | 3.190 | 13.890 | 7.100 | 11.980 | 8.650 | 11.930 |
| 13.650 | 9.770 | 16.650 | 9.720 | 21.500 | 9.720 | 25.400 | 9.650 |
| 26.800 | 9.730 | 27.600 | 9.660 | 28.500 | 9.150 | 29.300 | 9.070 |
| 30.100 | 9.500 | 43.400 | 9.420 | 60.000 | 9.350 | 70.000 | 9.240 |
| 80.000 | 9.160 | 90.000 | 9.140 | 100.000 | 9.080 | 109.600 | 8.970 |
| 110.300 | 8.760 | 111.350 | 9.100 | 116.150 | 9.050 | 118.100 | 8.320 |
| 121.400 | 8.160 | 121.710 | 8.150 | 123.770 | 7.950 | 128.600 | 5.620 |
| 129.120 | 5.610 | 132.080 | 5.470 | 135.160 | 4.010 | 137.360 | 3.110 |
| 139.760 | 3.090 | 144.760 | 2.970 | 149.760 | 2.910 | 154.760 | 2.900 |
| 159.760 | 2.940 | 164.760 | 3.060 | 169.760 | 3.210 | 174.760 | 3.360 |
| 179.760 | 3.630 | 184.360 | 3.910 | 185.360 | 3.990 | 191.760 | 4.380 |
| 197.760 | 4.940 | 203.760 | 5.200 | 208.760 | 5.480 | 213.760 | 5.650 |
| 219.760 | 5.700 | 224.760 | 6.060 | 233.760 | 6.440 | 243.760 | 6.580 |
| 247.760 | 6.610 | 248.760 | 6.800 | 258.760 | 6.930 | 264.770 | 6.880 |
| 269.770 | 6.680 | 273.770 | 6.700 | 281.770 | 6.600 | 284.170 | 6.350 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 288.770 | 6.290 | 297.770 | 5.810 | 305.770 | 5.270 | 311.770 | 4.500 |
| 314.170 | 3.900 | 316.770 | 3.160 | 318.770 | 2.830 | 323.770 | 2.440 |
| 328.770 | 2.000 | 333.770 | 1.640 | 336.770 | 2.770 | 338.770 | 3.260 |
| 340.770 | 3.570 | 343.770 | 3.760 | 347.270 | 3.910 | 349.270 | 3.900 |
| 351.270 | 3.560 | 352.770 | 3.430 | 353.970 | 3.490 | 356.170 | 3.910 |
| 358.070 | 4.260 | 358.770 | 4.720 | 358.770 | 4.940 | 358.770 | 4.720 |
| 360.610 | 4.590 | 364.510 | 4.650 | 366.510 | 4.300 | 373.780 | 7.900 |
| 379.560 | 8.080 | 379.560 | 8.190 | 380.010 | 8.190 | 387.430 | 11.900 |
| 390.300 | 11.970 | 390.760 | 12.060 | 394.450 | 13.890 | 395.440 | 13.900 |
| 397.620 | 15.250 | 397.910 | 15.360 | 397.910 | 15.950 | 397.910 | 15.360 |
| 399.510 | 16.350 | 403.110 | 16.570 | 406.440 | 16.370 | 413.150 | 13.010 |
| 414.160 | 12.920 | 414.430 | 12.440 | 420.060 | 12.290 | 423.360 | 12.040 |
| 426.150 | 11.830 | 427.420 | 11.670 | 429.510 | 10.880 | 429.980 | 10.840 |
| 430.710 | 10.840 | 432.920 | 6.650 | 435.910 | 6.660 | 436.660 | 8.550 |
| 437.310 | 8.550 | 440.560 | 10.160 | 440.930 | 10.320 | 441.040 | 10.370 |
| 441.410 | 10.320 | 446.110 | 10.320 | 446.210 | 10.320 | 446.260 | 10.040 |
| 446.560 | 10.040 | 446.560 | 10.270 | 446.730 | 10.330 | | |
| 44.4 | 0.000 | | | | 158 | 61 119 | 47 137 |
| -102.000 | 9.290 | -91.100 | 9.410 | -90.450 | 9.480 | -74.250 | 9.560 |
| -73.300 | 9.510 | -73.300 | 9.740 | -73.150 | 9.740 | -73.150 | 9.550 |
| -68.230 | 9.520 | -67.640 | 9.520 | -66.400 | 9.600 | -66.050 | 9.590 |
| -65.900 | 9.680 | -64.970 | 9.680 | -62.500 | 9.760 | -58.150 | 9.610 |
| -51.250 | 9.860 | -46.250 | 9.730 | -45.070 | 9.750 | -45.070 | 10.300 |
| -44.970 | 10.300 | -44.970 | 10.010 | -44.100 | 9.910 | -35.850 | 10.020 |
| -34.020 | 9.960 | -34.020 | 10.140 | -33.920 | 10.140 | -33.920 | 9.720 |
| -33.840 | 9.720 | -33.660 | 9.720 | -33.660 | 9.340 | -33.350 | 9.340 |
| -33.350 | 9.640 | -32.950 | 9.780 | -30.030 | 9.960 | -27.590 | 10.020 |
| -27.370 | 10.480 | -26.100 | 10.530 | -22.360 | 12.040 | -17.570 | 13.940 |
| -13.240 | 14.260 | -8.480 | 16.550 | -8.350 | 16.610 | -4.500 | 16.640 |
| -1.520 | 16.560 | 0.000 | 15.810 | 0.000 | 16.240 | 0.000 | 15.810 |
| 3.550 | 14.060 | 4.550 | 14.060 | 8.290 | 12.230 | 8.800 | 12.230 |
| 11.670 | 12.060 | 15.710 | 10.030 | 28.670 | 9.870 | 44.600 | 9.750 |
| 57.300 | 9.700 | 69.450 | 9.630 | 81.650 | 9.540 | 96.000 | 9.400 |
| 97.300 | 9.210 | 100.200 | 8.720 | 101.080 | 8.330 | 102.100 | 8.190 |
| 109.100 | 4.690 | 109.850 | 4.680 | 109.900 | 4.010 | 110.650 | 3.740 |
| 111.250 | 4.030 | 112.850 | 3.970 | 113.350 | 3.720 | 114.850 | 2.560 |
| 114.850 | 2.010 | 115.850 | 1.610 | 117.850 | 1.930 | 122.850 | 2.940 |
| 127.850 | 3.250 | 132.850 | 3.600 | 137.850 | 3.580 | 142.850 | 3.650 |
| 144.850 | 3.750 | 147.850 | 3.910 | 149.250 | 4.000 | 152.850 | 4.200 |
| 160.850 | 4.710 | 169.850 | 4.990 | 180.850 | 5.160 | 190.850 | 5.300 |
| 200.850 | 5.390 | 207.850 | 5.440 | 217.840 | 5.280 | 227.840 | 5.150 |
| 237.840 | 4.930 | 244.840 | 4.760 | 252.840 | 4.660 | 258.840 | 4.680 |
| 263.840 | 4.660 | 273.840 | 4.560 | 283.840 | 4.350 | 290.940 | 4.110 |
| 293.840 | 3.970 | 296.840 | 3.730 | 298.840 | 3.520 | 303.840 | 3.580 |
| 308.840 | 3.840 | 311.840 | 3.480 | 313.840 | 3.100 | 316.840 | 3.220 |
| 318.840 | 3.260 | 323.840 | 3.510 | 325.840 | 3.550 | 329.040 | 4.110 |
| 329.840 | 4.310 | 334.040 | 4.870 | 334.040 | 6.170 | 336.440 | 6.200 |
| 338.040 | 6.310 | 339.440 | 6.480 | 340.940 | 6.770 | 340.940 | 6.900 |
| 340.940 | 6.770 | 350.840 | 6.940 | 354.640 | 7.450 | 357.040 | 8.200 |
| 365.740 | 8.400 | 379.340 | 8.570 | 382.940 | 9.100 | 386.040 | 9.860 |
| 389.740 | 10.110 | 390.940 | 10.290 | 401.510 | 15.340 | 401.840 | 15.570 |
| 401.840 | 16.020 | 401.840 | 15.570 | 402.190 | 15.740 | 403.260 | 16.200 |
| 404.200 | 16.360 | 407.790 | 16.370 | 409.550 | 16.100 | 415.020 | 13.510 |
| 415.560 | 13.320 | 416.170 | 12.800 | 421.480 | 12.700 | 422.020 | 12.830 |
| 422.220 | 12.830 | 423.270 | 12.200 | 435.590 | 12.110 | 438.840 | 10.790 |
| 444.370 | 10.650 | 444.740 | 10.730 | 445.030 | 10.240 | 450.310 | 10.110 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 451.070 | 9.990 | 451.170 | 9.900 | 451.270 | 9.740 | 451.340 | 9.290 |
| 451.770 | 9.290 | 451.770 | 9.740 | | | | |
| 44.6 | 0.000 | | | | 145 | 59 116 | 48 124 |
| -103.000 | 9.610 | -73.480 | 9.710 | -72.800 | 9.600 | -72.800 | 9.520 |
| -72.090 | 9.520 | -71.310 | 9.550 | -70.600 | 9.540 | -69.930 | 9.540 |
| -69.720 | 9.540 | -69.520 | 9.870 | -68.570 | 9.870 | -68.570 | 9.950 |
| -67.870 | 9.950 | -57.670 | 10.050 | -56.750 | 10.050 | -56.750 | 9.930 |
| -56.440 | 9.930 | -56.440 | 9.720 | -51.810 | 9.770 | -50.460 | 9.770 |
| -50.160 | 9.490 | -50.080 | 9.490 | -48.500 | 9.500 | -42.250 | 9.510 |
| -41.640 | 9.520 | -34.490 | 10.010 | -31.250 | 10.090 | -27.030 | 10.210 |
| -26.870 | 10.640 | -25.890 | 10.680 | -16.980 | 14.140 | -12.950 | 14.360 |
| -8.050 | 16.800 | -4.790 | 16.850 | -0.830 | 16.810 | 6.720 | 12.950 |
| 8.180 | 13.100 | 11.160 | 13.260 | 12.410 | 13.230 | 17.890 | 15.990 |
| 19.160 | 16.430 | 19.420 | 16.450 | 22.070 | 16.520 | 24.400 | 16.480 |
| 24.920 | 16.460 | 25.610 | 16.240 | 26.000 | 16.020 | 26.000 | 16.610 |
| 26.000 | 16.020 | 26.300 | 15.850 | 34.000 | 12.270 | 36.700 | 11.020 |
| 37.900 | 10.710 | 39.000 | 10.520 | 44.900 | 10.320 | 46.300 | 10.270 |
| 52.300 | 9.860 | 63.000 | 9.710 | 78.470 | 9.500 | 83.350 | 8.500 |
| 83.350 | 8.390 | 84.350 | 8.350 | 87.750 | 6.730 | 91.830 | 6.560 |
| 93.920 | 6.140 | 101.390 | 5.910 | 109.450 | 5.740 | 110.250 | 6.000 |
| 111.020 | 5.960 | 112.020 | 5.740 | 118.890 | 5.720 | 122.000 | 5.980 |
| 132.400 | 5.750 | 141.000 | 5.530 | 145.800 | 5.080 | 153.150 | 4.860 |
| 159.450 | 4.860 | 165.550 | 5.080 | 179.100 | 4.800 | 179.100 | 4.910 |
| 179.100 | 4.800 | 182.300 | 4.690 | 185.290 | 4.540 | 189.090 | 4.380 |
| 194.080 | 4.190 | 199.080 | 3.960 | 204.070 | 3.750 | 209.060 | 3.520 |
| 214.060 | 3.260 | 219.050 | 3.060 | 224.050 | 2.920 | 229.040 | 2.820 |
| 234.030 | 2.830 | 239.030 | 2.820 | 244.020 | 2.780 | 249.020 | 2.720 |
| 254.010 | 2.700 | 259.000 | 2.900 | 264.000 | 3.420 | 268.990 | 3.780 |
| 270.990 | 3.980 | 273.990 | 4.320 | 276.180 | 4.540 | 278.980 | 4.640 |
| 283.370 | 4.730 | 284.170 | 5.060 | 287.070 | 6.530 | 288.900 | 6.330 |
| 290.900 | 5.420 | 292.200 | 5.320 | 294.000 | 6.090 | 297.100 | 6.140 |
| 298.300 | 6.380 | 299.800 | 6.430 | 300.900 | 6.720 | 304.790 | 9.070 |
| 311.200 | 9.340 | 314.100 | 9.730 | 315.820 | 10.620 | 319.900 | 10.570 |
| 321.200 | 10.730 | 331.570 | 15.780 | 332.100 | 16.050 | 332.100 | 16.520 |
| 332.100 | 16.050 | 332.630 | 16.310 | 333.060 | 16.430 | 334.050 | 16.520 |
| 337.820 | 16.420 | 338.800 | 16.210 | 344.950 | 13.420 | 345.600 | 13.250 |
| 345.610 | 13.010 | 346.010 | 12.950 | 351.850 | 12.770 | 352.050 | 12.730 |
| 353.600 | 11.500 | 359.650 | 9.170 | 360.460 | 9.060 | 364.600 | 9.090 |
| 365.550 | 8.540 | 365.950 | 8.540 | 366.800 | 9.100 | 370.600 | 9.300 |
| 376.850 | 9.310 | | | | | | |
| 44.8 | 0.000 | | | | 132 | 45 107 | 22 118 |
| -18.000 | 14.290 | -14.930 | 14.440 | -13.960 | 14.540 | -9.760 | 16.480 |
| -9.200 | 16.950 | -5.560 | 17.030 | -2.080 | 16.990 | -1.130 | 16.380 |
| 5.600 | 13.140 | 8.750 | 12.780 | 10.130 | 12.150 | 11.120 | 12.240 |
| 13.520 | 13.000 | 14.620 | 13.010 | 17.760 | 13.390 | 23.840 | 16.430 |
| 24.710 | 16.560 | 27.090 | 16.600 | 29.290 | 16.520 | 29.570 | 16.520 |
| 30.670 | 16.120 | 31.000 | 15.960 | 31.000 | 16.650 | 31.000 | 15.960 |
| 39.750 | 11.890 | 40.470 | 11.770 | 45.130 | 11.570 | 50.000 | 11.400 |
| 51.750 | 11.170 | 53.300 | 10.650 | 55.050 | 10.320 | 56.800 | 9.990 |
| 58.950 | 10.060 | 60.600 | 10.060 | 61.750 | 9.890 | 63.500 | 9.900 |
| 68.200 | 9.800 | 74.400 | 9.650 | 81.000 | 9.400 | 81.700 | 9.260 |
| 83.400 | 8.610 | 84.900 | 8.220 | 86.700 | 8.020 | 89.100 | 8.260 |
| 91.200 | 8.180 | 94.400 | 7.620 | 96.500 | 7.320 | 98.700 | 6.550 |
| 100.400 | 6.630 | 106.800 | 6.820 | 108.300 | 6.620 | 113.700 | 6.590 |
| 117.000 | 6.500 | 117.800 | 6.580 | 118.500 | 6.740 | 120.400 | 6.730 |
| 121.200 | 6.580 | 122.800 | 6.530 | 124.600 | 6.140 | 126.000 | 6.140 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|----------|--------|---------|--------|
| 131.000 | 6.350 | 137.200 | 6.340 | 151.280 | 6.060 | 151.280 | 6.330 |
| 151.280 | 6.060 | 161.270 | 5.820 | 171.270 | 5.430 | 181.260 | 5.030 |
| 186.260 | 4.800 | 192.060 | 4.540 | 196.250 | 4.410 | 201.250 | 4.140 |
| 206.250 | 3.840 | 211.250 | 3.660 | 216.240 | 3.350 | 221.240 | 2.890 |
| 226.240 | 2.270 | 231.230 | 1.530 | 236.230 | 0.710 | 241.230 | 0.120 |
| 246.230 | -0.330 | 251.220 | -0.280 | 256.220 | 1.080 | 256.720 | 1.450 |
| 258.720 | 3.860 | 259.670 | 4.560 | 259.920 | 5.170 | 261.720 | 6.480 |
| 263.510 | 6.060 | 265.310 | 5.890 | 266.710 | 5.210 | 268.410 | 5.200 |
| 270.010 | 5.530 | 271.460 | 6.170 | 271.460 | 6.310 | 271.460 | 6.170 |
| 272.640 | 6.350 | 273.440 | 6.290 | 274.640 | 6.450 | 276.890 | 6.450 |
| 277.940 | 6.620 | 278.290 | 6.390 | 278.400 | 6.390 | 286.680 | 10.520 |
| 287.710 | 10.570 | 288.000 | 10.660 | 288.990 | 10.790 | 294.040 | 10.940 |
| 299.340 | 13.660 | 300.590 | 14.540 | 301.540 | 14.530 | 303.540 | 14.600 |
| 306.140 | 15.940 | 306.490 | 16.220 | 306.490 | 16.670 | 306.490 | 16.220 |
| 306.830 | 16.380 | 308.090 | 16.760 | 308.790 | 16.900 | 311.740 | 16.860 |
| 313.330 | 16.610 | 319.220 | 13.730 | 319.850 | 13.560 | 320.220 | 13.190 |
| 325.690 | 13.090 | 326.040 | 13.070 | 327.360 | 11.880 | 329.090 | 11.180 |
| 330.890 | 11.100 | 338.890 | 10.330 | 344.390 | 10.320 | 353.290 | 10.420 |
| 45.0 | 0.000 | | | | 163 | 79 135 | 63 141 |
| -112.800 | 9.720 | -100.360 | 9.590 | -100.000 | 9.560 | -99.600 | 9.560 |
| -99.000 | 9.670 | -95.600 | 9.850 | -87.000 | 9.860 | -85.080 | 9.900 |
| -84.650 | 9.580 | -83.400 | 9.580 | -81.780 | 9.600 | -76.870 | 9.600 |
| -74.800 | 9.830 | -63.870 | 9.820 | -48.260 | 9.710 | -47.140 | 9.720 |
| -46.950 | 9.620 | -46.220 | 9.660 | -45.840 | 9.660 | -45.230 | 9.730 |
| -43.930 | 10.320 | -43.490 | 10.360 | -41.100 | 10.480 | -38.290 | 10.540 |
| -38.100 | 10.960 | -36.600 | 11.080 | -36.060 | 11.270 | -31.600 | 13.140 |
| -31.260 | 13.160 | -27.500 | 13.270 | -24.000 | 13.320 | -23.890 | 13.620 |
| -22.770 | 13.650 | -20.550 | 14.500 | -16.920 | 14.650 | -16.130 | 14.760 |
| -10.220 | 17.460 | -6.250 | 17.570 | -2.200 | 17.420 | -0.600 | 16.580 |
| 0.000 | 16.310 | 0.000 | 16.740 | 0.000 | 16.310 | 0.600 | 15.990 |
| 3.580 | 14.550 | 4.540 | 14.540 | 8.240 | 12.710 | 8.760 | 12.710 |
| 8.760 | 12.600 | 11.710 | 12.560 | 16.800 | 10.050 | 25.710 | 10.300 |
| 28.650 | 10.970 | 30.810 | 11.410 | 35.370 | 13.200 | 36.150 | 13.340 |
| 37.080 | 13.670 | 41.150 | 13.840 | 46.750 | 17.000 | 47.250 | 17.120 |
| 48.180 | 17.090 | 52.850 | 17.120 | 55.180 | 16.950 | 55.820 | 16.900 |
| 58.780 | 15.590 | 59.630 | 15.480 | 60.800 | 15.420 | 67.140 | 12.430 |
| 70.950 | 11.470 | 71.950 | 11.350 | 74.970 | 11.220 | 79.150 | 11.080 |
| 84.170 | 10.650 | 87.430 | 10.510 | 98.250 | 9.870 | 99.250 | 9.650 |
| 110.400 | 9.080 | 112.750 | 8.810 | 118.300 | 8.470 | 120.400 | 8.250 |
| 123.500 | 7.890 | 125.500 | 7.490 | 130.000 | 6.780 | 133.850 | 6.340 |
| 137.930 | 6.210 | 139.870 | 6.400 | 140.150 | 6.040 | 143.450 | 5.970 |
| 149.400 | 5.750 | 156.240 | 5.510 | 156.240 | 5.800 | 156.240 | 5.510 |
| 166.240 | 5.200 | 176.230 | 4.810 | 183.430 | 4.550 | 186.230 | 4.480 |
| 191.230 | 4.310 | 196.220 | 4.090 | 201.220 | 3.900 | 206.220 | 3.770 |
| 211.220 | 3.670 | 216.220 | 3.590 | 221.210 | 3.500 | 226.210 | 3.410 |
| 231.210 | 3.270 | 236.210 | 3.080 | 241.200 | 2.870 | 246.200 | 2.660 |
| 251.200 | 2.390 | 256.200 | 2.030 | 261.200 | 1.910 | 266.190 | 1.920 |
| 271.190 | 1.890 | 276.190 | 1.910 | 281.190 | 2.310 | 284.190 | 3.060 |
| 286.190 | 3.720 | 288.190 | 3.870 | 291.180 | 4.250 | 292.480 | 4.540 |
| 294.180 | 4.550 | 295.180 | 4.300 | 296.180 | 4.380 | 297.780 | 4.550 |
| 299.180 | 4.600 | 302.060 | 5.770 | 302.060 | 5.890 | 302.060 | 5.770 |
| 303.760 | 6.500 | 304.760 | 6.750 | 308.310 | 7.750 | 309.710 | 7.940 |
| 314.840 | 10.030 | 315.090 | 10.070 | 317.160 | 10.420 | 319.960 | 10.560 |
| 323.360 | 10.690 | 326.170 | 10.870 | 331.120 | 10.950 | 332.830 | 11.740 |
| 338.350 | 16.260 | 338.660 | 17.290 | 338.950 | 17.350 | 339.460 | 17.350 |
| 339.460 | 17.800 | 339.460 | 17.350 | 339.970 | 17.350 | 340.520 | 17.210 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 343.810 | 17.230 | 348.860 | 17.380 | 349.660 | 17.290 | 350.100 | 17.060 |
| 350.330 | 17.060 | 350.480 | 17.060 | 352.230 | 13.930 | 352.760 | 13.680 |
| 356.210 | 13.620 | 356.460 | 13.460 | 356.840 | 12.700 | 358.860 | 12.560 |
| 363.310 | 10.410 | 370.810 | 10.250 | 384.760 | 10.140 | | |
| 45.2 | 0.000 | | | | 162 | 63 127 | 55 148 |
| -48.180 | 9.870 | -47.070 | 9.900 | -46.830 | 9.870 | -46.700 | 9.590 |
| -46.700 | 9.290 | -46.360 | 9.290 | -46.360 | 9.590 | -45.400 | 9.670 |
| -43.700 | 10.680 | -42.970 | 10.790 | -39.600 | 10.860 | -36.650 | 10.860 |
| -36.380 | 10.900 | -36.180 | 11.190 | -35.550 | 11.250 | -34.600 | 11.370 |
| -26.300 | 14.670 | -23.200 | 14.860 | -21.900 | 15.020 | -13.000 | 19.300 |
| -10.500 | 19.320 | -8.880 | 19.370 | -8.500 | 19.360 | -5.000 | 19.410 |
| -1.550 | 19.400 | -0.370 | 18.940 | 0.000 | 18.740 | 0.000 | 19.330 |
| 0.000 | 18.740 | 0.350 | 18.590 | 4.000 | 16.750 | 8.190 | 14.760 |
| 9.100 | 14.760 | 12.720 | 13.000 | 13.200 | 13.000 | 13.200 | 12.890 |
| 16.260 | 12.760 | 20.560 | 10.690 | 26.300 | 10.630 | 30.200 | 10.710 |
| 35.600 | 10.650 | 39.100 | 10.920 | 41.670 | 11.770 | 42.100 | 11.870 |
| 42.200 | 11.750 | 47.530 | 11.790 | 48.070 | 11.850 | 48.320 | 12.330 |
| 49.450 | 12.350 | 51.600 | 13.370 | 52.750 | 13.600 | 56.400 | 13.600 |
| 63.370 | 17.010 | 63.700 | 17.020 | 68.300 | 17.090 | 69.200 | 17.050 |
| 73.170 | 14.780 | 73.420 | 14.750 | 80.060 | 11.570 | 82.160 | 11.500 |
| 87.380 | 8.970 | 87.680 | 8.960 | 89.680 | 8.760 | 94.380 | 6.430 |
| 94.890 | 6.430 | 94.890 | 6.330 | 97.800 | 6.290 | 99.200 | 5.580 |
| 107.400 | 5.480 | 115.700 | 5.400 | 122.650 | 5.370 | 123.250 | 5.260 |
| 123.250 | 5.560 | 123.250 | 5.260 | 125.050 | 4.840 | 133.730 | 4.720 |
| 143.220 | 4.660 | 148.710 | 4.560 | 150.700 | 4.200 | 153.200 | 3.950 |
| 158.190 | 3.450 | 163.180 | 3.570 | 168.170 | 3.740 | 173.160 | 3.870 |
| 178.160 | 4.060 | 183.150 | 4.180 | 188.140 | 4.300 | 193.130 | 4.290 |
| 198.120 | 4.290 | 203.110 | 4.330 | 208.100 | 4.320 | 213.090 | 4.320 |
| 218.090 | 4.310 | 223.080 | 4.390 | 228.070 | 4.330 | 233.060 | 4.550 |
| 233.060 | 4.320 | 238.050 | 4.080 | 243.040 | 3.980 | 248.030 | 3.990 |
| 253.020 | 3.970 | 258.020 | 3.910 | 263.010 | 3.880 | 268.000 | 4.180 |
| 272.290 | 4.570 | 276.980 | 4.710 | 277.980 | 4.870 | 278.880 | 4.620 |
| 280.480 | 4.410 | 282.970 | 4.500 | 287.970 | 4.320 | 292.960 | 4.110 |
| 297.950 | 3.960 | 300.940 | 3.920 | 301.940 | 3.890 | 302.940 | 3.910 |
| 304.940 | 4.650 | 306.230 | 5.190 | 306.430 | 5.780 | 307.430 | 6.210 |
| 308.130 | 6.280 | 308.130 | 6.400 | 308.130 | 6.280 | 309.680 | 6.890 |
| 313.980 | 9.110 | 314.880 | 9.570 | 315.180 | 9.430 | 319.180 | 9.520 |
| 319.780 | 9.430 | 321.880 | 8.350 | 324.480 | 6.490 | 325.780 | 6.210 |
| 326.080 | 5.790 | 326.680 | 5.750 | 328.180 | 5.720 | 330.680 | 5.900 |
| 332.080 | 6.240 | 334.180 | 6.460 | 335.280 | 6.670 | 338.680 | 6.970 |
| 339.930 | 7.110 | 345.030 | 10.560 | 346.830 | 10.630 | 347.700 | 10.730 |
| 355.610 | 14.800 | 356.050 | 14.930 | 358.180 | 16.050 | 358.180 | 16.580 |
| 358.180 | 16.050 | 359.280 | 16.600 | 360.180 | 16.620 | 364.780 | 16.620 |
| 365.280 | 16.590 | 370.680 | 14.440 | 371.080 | 14.230 | 371.180 | 14.000 |
| 371.580 | 13.890 | 372.280 | 13.840 | 374.280 | 13.770 | 388.580 | 13.280 |
| 398.980 | 12.320 | 400.230 | 12.310 | | | | |
| 45.4 | 0.000 | | | | 145 | 34 96 | 24 130 |
| 7.550 | 13.200 | 9.950 | 12.990 | 15.600 | 10.470 | 22.100 | 10.480 |
| 30.300 | 13.560 | 34.100 | 13.650 | 34.780 | 13.730 | 39.700 | 16.420 |
| 40.100 | 16.440 | 40.100 | 16.550 | 40.230 | 16.550 | 40.330 | 16.410 |
| 43.100 | 16.520 | 46.270 | 16.630 | 46.530 | 17.140 | 47.400 | 17.240 |
| 48.300 | 17.530 | 48.580 | 17.550 | 50.200 | 17.650 | 53.600 | 17.560 |
| 53.950 | 17.560 | 54.660 | 17.430 | 55.000 | 17.270 | 55.000 | 17.840 |
| 55.000 | 17.270 | 55.350 | 17.070 | 65.700 | 11.800 | 67.000 | 11.230 |
| 75.400 | 10.970 | 79.100 | 9.280 | 84.300 | 9.090 | 87.300 | 9.060 |
| 87.600 | 9.060 | 89.650 | 8.860 | 94.370 | 6.540 | 94.870 | 6.540 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 94.870 | 6.430 | 97.820 | 6.370 | 99.300 | 5.640 | 102.300 | 5.770 |
| 112.100 | 5.680 | 117.200 | 5.660 | 117.200 | 5.870 | 117.200 | 5.660 |
| 118.300 | 5.490 | 120.300 | 4.990 | 123.910 | 4.900 | 125.210 | 4.870 |
| 130.210 | 4.760 | 135.220 | 4.670 | 140.220 | 4.720 | 143.320 | 4.900 |
| 149.230 | 5.040 | 154.330 | 5.020 | 155.230 | 5.000 | 160.240 | 4.860 |
| 165.240 | 4.710 | 170.250 | 4.690 | 175.250 | 4.620 | 180.260 | 4.480 |
| 185.260 | 4.330 | 190.260 | 4.210 | 195.270 | 4.400 | 200.270 | 4.530 |
| 205.280 | 4.560 | 210.280 | 4.640 | 215.280 | 4.850 | 218.790 | 5.050 |
| 226.300 | 5.320 | 233.300 | 5.170 | 236.300 | 5.420 | 242.310 | 5.470 |
| 245.310 | 5.200 | 248.310 | 5.140 | 255.320 | 5.470 | 258.320 | 5.330 |
| 260.920 | 5.120 | 265.330 | 4.870 | 270.330 | 4.730 | 273.340 | 4.750 |
| 275.340 | 5.140 | 275.940 | 5.290 | 277.040 | 5.330 | 277.040 | 6.230 |
| 280.440 | 6.400 | 285.350 | 6.410 | 287.450 | 6.480 | 289.550 | 6.560 |
| 289.700 | 6.490 | 289.700 | 6.730 | 289.700 | 6.490 | 295.160 | 6.880 |
| 295.510 | 6.880 | 301.160 | 9.440 | 301.860 | 9.490 | 302.760 | 9.650 |
| 309.210 | 9.630 | 315.460 | 9.390 | 318.760 | 9.120 | 320.060 | 7.910 |
| 321.160 | 7.570 | 321.760 | 7.170 | 325.460 | 6.930 | 328.660 | 6.470 |
| 329.560 | 5.650 | 330.260 | 5.480 | 330.260 | 4.940 | 330.260 | 4.740 |
| 333.360 | 4.760 | 337.660 | 4.720 | 342.160 | 4.680 | 348.560 | 4.640 |
| 353.410 | 4.640 | 355.060 | 4.700 | 357.580 | 4.960 | 358.260 | 5.110 |
| 359.360 | 5.520 | 361.260 | 6.720 | 363.560 | 9.000 | 367.360 | 9.520 |
| 371.460 | 10.030 | 377.360 | 10.660 | 380.060 | 11.000 | 382.460 | 11.050 |
| 386.460 | 11.350 | 389.860 | 11.400 | 391.460 | 11.490 | 402.060 | 15.950 |
| 402.660 | 16.230 | 402.660 | 16.740 | 402.660 | 16.230 | 403.210 | 16.550 |
| 404.410 | 16.940 | 407.660 | 16.970 | 410.460 | 16.880 | 411.060 | 16.700 |
| 415.410 | 15.020 | 416.760 | 14.680 | 417.060 | 14.220 | 422.560 | 13.960 |
| 428.160 | 11.340 | 439.460 | 11.040 | 440.560 | 10.620 | 440.960 | 10.610 |
| 441.960 | 11.030 | | | | | | |
| 45.6 | 0.000 | | | | 151 | 42 91 | 31 129 |
| -39.900 | 9.760 | -37.150 | 9.670 | -36.980 | 9.670 | -36.930 | 9.530 |
| -36.930 | 9.230 | -36.630 | 9.230 | -36.630 | 9.530 | -36.450 | 9.490 |
| -35.410 | 11.500 | -34.650 | 11.540 | -27.200 | 14.870 | -26.250 | 14.980 |
| -23.000 | 15.060 | -19.670 | 15.110 | -15.970 | 15.050 | -15.710 | 15.590 |
| -14.890 | 15.650 | -10.900 | 17.730 | -10.100 | 17.790 | -6.800 | 17.830 |
| -3.200 | 17.800 | -2.500 | 17.630 | -2.100 | 17.420 | -1.500 | 17.410 |
| -1.000 | 17.610 | -0.700 | 17.650 | 2.000 | 17.730 | 4.600 | 17.620 |
| 5.300 | 17.690 | 6.000 | 17.180 | 6.000 | 17.750 | 6.000 | 17.180 |
| 6.260 | 17.020 | 7.000 | 16.480 | 11.800 | 16.580 | 22.800 | 10.800 |
| 27.700 | 10.440 | 29.200 | 9.800 | 46.500 | 9.490 | 56.000 | 9.460 |
| 69.500 | 9.320 | 80.610 | 9.200 | 156.750 | 5.410 | 157.750 | 5.160 |
| 161.750 | 5.140 | 166.740 | 5.080 | 171.740 | 5.000 | 176.740 | 5.000 |
| 181.730 | 5.130 | 186.730 | 5.070 | 191.720 | 5.090 | 196.720 | 5.210 |
| 201.720 | 5.130 | 206.710 | 5.090 | 211.710 | 5.030 | 216.700 | 5.120 |
| 221.700 | 4.970 | 226.700 | 4.910 | 231.690 | 5.040 | 236.690 | 5.200 |
| 241.680 | 5.280 | 241.680 | 5.460 | 246.680 | 5.150 | 251.680 | 5.170 |
| 256.670 | 5.290 | 261.670 | 5.190 | 266.670 | 5.010 | 271.660 | 5.110 |
| 276.660 | 5.090 | 281.650 | 5.390 | 286.650 | 5.350 | 291.650 | 5.420 |
| 296.640 | 5.450 | 301.640 | 5.370 | 306.630 | 5.230 | 311.630 | 5.260 |
| 316.630 | 5.270 | 321.620 | 5.290 | 326.620 | 5.170 | 331.820 | 5.000 |
| 332.970 | 5.020 | 332.970 | 5.550 | 332.970 | 5.990 | 334.760 | 6.360 |
| 339.110 | 8.210 | 339.610 | 8.370 | 342.410 | 8.690 | 344.710 | 8.700 |
| 347.310 | 9.840 | 348.110 | 10.280 | 349.310 | 10.660 | 355.210 | 10.700 |
| 363.610 | 10.590 | 371.210 | 10.380 | 372.660 | 10.440 | 377.010 | 8.440 |
| 378.510 | 7.940 | 379.310 | 7.210 | 382.360 | 6.320 | 383.410 | 6.310 |
| 383.410 | 6.490 | 384.410 | 6.480 | 386.910 | 5.690 | 388.860 | 4.990 |
| 388.860 | 3.960 | 390.110 | 3.960 | 391.610 | 4.040 | 394.310 | 4.150 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 396.810 | 4.270 | 399.510 | 4.450 | 402.010 | 4.590 | 404.810 | 4.730 |
| 407.710 | 4.750 | 408.810 | 4.990 | 410.510 | 5.720 | 414.010 | 8.000 |
| 416.110 | 8.630 | 419.710 | 9.420 | 421.110 | 9.980 | 422.310 | 10.090 |
| 423.310 | 10.340 | 425.810 | 10.710 | 427.810 | 11.020 | 437.610 | 11.230 |
| 439.710 | 11.420 | 440.610 | 11.680 | 451.490 | 16.600 | 452.110 | 16.840 |
| 452.110 | 17.310 | 452.110 | 16.840 | 452.750 | 17.140 | 453.910 | 17.510 |
| 457.410 | 17.490 | 459.410 | 17.410 | 460.260 | 17.270 | 461.530 | 16.770 |
| 462.410 | 16.360 | 464.950 | 15.200 | 465.960 | 14.800 | 471.610 | 14.620 |
| 471.910 | 14.590 | 473.760 | 13.400 | 475.810 | 12.810 | 477.510 | 11.870 |
| 481.010 | 10.270 | 482.560 | 10.080 | 488.260 | 9.980 | 488.660 | 9.620 |
| 489.210 | 9.630 | 490.110 | 10.050 | 497.910 | 10.170 | | |
| 45.8 | 0.000 | | | | 141 | 74 118 | 61 129 |
| -103.000 | 9.540 | -97.100 | 9.630 | -96.850 | 9.520 | -95.750 | 9.530 |
| -94.500 | 9.600 | -93.100 | 9.640 | -92.500 | 9.640 | -90.300 | 9.680 |
| -85.000 | 9.590 | -84.700 | 9.590 | -84.250 | 9.870 | -83.600 | 9.870 |
| -73.550 | 10.060 | -72.400 | 10.070 | -72.400 | 10.200 | -67.110 | 10.020 |
| -66.400 | 10.020 | -64.800 | 10.070 | -62.270 | 10.110 | -62.200 | 10.480 |
| -57.950 | 10.560 | -57.050 | 10.840 | -55.100 | 10.860 | -55.000 | 11.550 |
| -52.650 | 11.540 | -52.650 | 12.110 | -50.800 | 12.130 | -50.550 | 12.340 |
| -48.500 | 12.340 | -47.600 | 12.300 | -45.300 | 11.950 | -45.150 | 11.370 |
| -43.050 | 11.340 | -42.850 | 10.650 | -42.200 | 10.650 | -36.600 | 10.540 |
| -34.850 | 10.660 | -34.600 | 10.660 | -34.350 | 10.660 | -34.350 | 10.900 |
| -33.950 | 10.900 | -33.950 | 10.840 | -33.810 | 10.840 | -33.500 | 11.430 |
| -32.250 | 11.450 | -28.650 | 12.990 | -28.400 | 13.020 | -26.500 | 13.070 |
| -24.540 | 13.090 | -24.310 | 13.520 | -20.930 | 13.690 | -17.950 | 14.890 |
| -12.950 | 15.190 | -8.420 | 17.650 | -7.750 | 17.730 | -5.500 | 17.810 |
| -2.600 | 17.680 | -1.700 | 17.620 | -0.600 | 17.040 | 0.000 | 16.710 |
| 0.000 | 17.170 | 0.000 | 16.710 | 0.590 | 16.370 | 2.500 | 15.350 |
| 3.500 | 15.340 | 7.200 | 13.510 | 7.720 | 13.510 | 7.720 | 13.410 |
| 10.590 | 13.350 | 15.220 | 11.060 | 16.000 | 11.030 | 16.550 | 10.850 |
| 19.100 | 10.890 | 23.300 | 10.800 | 25.200 | 10.320 | 197.400 | 5.740 |
| 197.700 | 5.580 | 202.690 | 5.480 | 207.690 | 5.460 | 212.690 | 5.510 |
| 217.680 | 5.560 | 222.680 | 5.490 | 227.670 | 5.420 | 232.670 | 5.290 |
| 237.660 | 5.160 | 242.660 | 5.120 | 247.650 | 5.150 | 252.650 | 5.480 |
| 257.650 | 5.540 | 262.640 | 5.490 | 267.630 | 5.500 | 272.630 | 5.380 |
| 277.630 | 5.350 | 282.620 | 5.450 | 287.620 | 5.540 | 292.610 | 5.480 |
| 297.610 | 5.570 | 302.600 | 5.630 | 302.600 | 5.760 | 307.600 | 5.740 |
| 312.590 | 5.830 | 317.790 | 5.940 | 322.580 | 5.900 | 327.580 | 5.910 |
| 332.580 | 5.840 | 337.570 | 5.760 | 342.570 | 5.740 | 347.560 | 5.690 |
| 352.560 | 5.660 | 357.550 | 5.670 | 358.550 | 5.690 | 359.450 | 6.080 |
| 360.550 | 6.680 | 363.400 | 6.730 | 363.900 | 6.840 | 368.600 | 9.170 |
| 370.620 | 9.270 | 370.900 | 9.370 | 378.220 | 9.610 | 386.820 | 9.720 |
| 399.120 | 9.910 | 408.140 | 10.130 | 411.290 | 11.630 | 411.990 | 11.630 |
| 417.740 | 11.750 | 425.320 | 15.460 | 428.020 | 16.850 | 428.620 | 17.100 |
| 428.620 | 17.580 | 428.620 | 17.100 | 429.200 | 17.350 | 429.520 | 17.520 |
| 430.820 | 17.670 | 435.070 | 17.660 | 444.120 | 17.510 | 454.970 | 17.600 |
| 455.920 | 17.690 | 457.070 | 17.640 | 458.220 | 17.410 | 475.020 | 10.710 |
| 476.420 | 10.760 | | | | | | |
| 46.0 | 0.000 | | | | 156 | 80 117 | 47 130 |
| -101.450 | 9.970 | -99.000 | 10.190 | -99.000 | 10.330 | -97.400 | 10.350 |
| -88.850 | 10.200 | -87.800 | 10.270 | -87.700 | 10.270 | -87.700 | 10.030 |
| -87.450 | 10.030 | -87.450 | 10.270 | -84.900 | 10.310 | -84.000 | 10.470 |
| -76.500 | 10.560 | -74.700 | 10.480 | -73.000 | 10.480 | -70.950 | 10.440 |
| -70.000 | 10.440 | -66.350 | 10.610 | -59.520 | 10.600 | -56.200 | 10.550 |
| -45.600 | 10.670 | -45.200 | 10.550 | -37.650 | 10.600 | -37.650 | 11.290 |
| -37.400 | 11.290 | -33.080 | 11.310 | -33.150 | 11.320 | -33.010 | 11.330 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| -33.010 | 11.040 | -32.710 | 11.040 | -32.710 | 11.340 | -32.500 | 11.390 |
| -29.500 | 11.500 | -27.270 | 11.540 | -27.050 | 11.970 | -24.500 | 12.090 |
| -17.200 | 15.000 | -12.200 | 15.280 | -10.300 | 16.140 | -8.400 | 17.560 |
| -7.650 | 17.660 | -5.000 | 17.780 | -2.000 | 17.670 | -1.000 | 17.660 |
| -0.450 | 17.390 | 0.000 | 17.170 | 0.000 | 17.600 | 0.000 | 17.170 |
| 0.430 | 16.940 | 3.150 | 15.530 | 4.110 | 15.530 | 7.820 | 13.690 |
| 8.260 | 13.690 | 8.260 | 13.580 | 11.160 | 13.510 | 15.390 | 11.440 |
| 18.500 | 11.420 | 23.200 | 11.330 | 26.800 | 11.200 | 29.500 | 11.030 |
| 35.400 | 10.600 | 35.800 | 10.670 | 36.500 | 10.160 | 36.900 | 10.150 |
| 36.900 | 10.300 | 38.050 | 10.220 | 50.000 | 10.210 | 60.000 | 10.160 |
| 70.000 | 10.160 | 80.000 | 10.170 | 90.000 | 10.150 | 100.000 | 10.140 |
| 110.000 | 10.140 | 120.000 | 10.110 | 129.000 | 9.970 | 139.000 | 9.590 |
| 143.790 | 9.500 | 144.080 | 9.500 | 144.080 | 9.400 | 146.080 | 9.300 |
| 150.750 | 6.980 | 151.250 | 6.980 | 154.100 | 6.810 | 156.050 | 5.840 |
| 227.730 | 6.390 | 238.020 | 5.690 | 242.020 | 5.910 | 247.010 | 5.930 |
| 252.010 | 5.920 | 257.000 | 5.880 | 262.000 | 5.860 | 266.990 | 5.830 |
| 271.990 | 5.800 | 276.990 | 5.760 | 281.980 | 5.690 | 286.980 | 5.630 |
| 291.970 | 5.650 | 296.970 | 5.620 | 301.960 | 5.580 | 306.960 | 5.640 |
| 311.950 | 5.720 | 316.950 | 5.740 | 321.940 | 5.720 | 326.940 | 5.760 |
| 331.940 | 5.760 | 336.930 | 5.700 | 341.930 | 5.730 | 346.920 | 5.710 |
| 351.920 | 5.780 | 356.910 | 5.810 | 357.110 | 5.810 | 358.310 | 6.390 |
| 359.210 | 6.840 | 362.010 | 6.890 | 362.010 | 7.010 | 362.510 | 7.010 |
| 367.200 | 9.320 | 369.230 | 9.420 | 369.500 | 9.520 | 375.030 | 9.680 |
| 379.930 | 9.790 | 383.230 | 11.390 | 385.920 | 11.530 | 386.240 | 11.530 |
| 394.030 | 15.330 | 394.230 | 15.330 | 397.230 | 16.760 | 397.230 | 16.970 |
| 397.630 | 17.100 | 397.630 | 17.640 | 397.630 | 17.100 | 397.960 | 17.200 |
| 398.430 | 17.410 | 399.800 | 17.440 | 402.630 | 17.410 | 404.780 | 17.320 |
| 405.230 | 17.330 | 406.030 | 17.130 | 408.730 | 15.730 | 412.430 | 14.260 |
| 416.780 | 14.020 | 421.230 | 12.170 | 421.830 | 12.090 | 423.030 | 12.070 |
| 423.370 | 12.040 | 423.530 | 11.850 | 424.130 | 11.690 | 426.930 | 11.610 |
| 429.780 | 11.490 | 434.880 | 11.420 | 437.730 | 11.570 | 441.630 | 11.640 |
| 442.430 | 11.700 | 442.680 | 10.530 | 443.460 | 10.440 | 445.160 | 10.500 |
| 46.2 | 0.000 | | | | 176 | 109.142 | 56.160 |
| -105.050 | 10.030 | -95.750 | 10.120 | -91.900 | 10.080 | -90.800 | 9.970 |
| -90.800 | 9.130 | -90.450 | 9.130 | -90.450 | 8.990 | -89.100 | 9.000 |
| -89.100 | 9.720 | -89.000 | 9.720 | -89.000 | 10.010 | -87.800 | 10.010 |
| -86.000 | 10.010 | -82.450 | 9.960 | -81.700 | 9.960 | -78.400 | 9.990 |
| -75.900 | 9.960 | -75.350 | 9.960 | -75.350 | 10.270 | -74.700 | 10.280 |
| -74.600 | 10.160 | -71.600 | 10.150 | -71.600 | 10.240 | -70.850 | 10.250 |
| -69.450 | 10.210 | -67.500 | 10.180 | -61.250 | 10.170 | -58.300 | 10.090 |
| -58.300 | 9.600 | -58.250 | 9.600 | -58.250 | 9.430 | -50.600 | 9.560 |
| -43.300 | 9.590 | -41.900 | 10.000 | -37.700 | 10.030 | -36.430 | 9.700 |
| -36.180 | 9.660 | -35.860 | 10.200 | -35.480 | 10.200 | -35.480 | 9.900 |
| -35.180 | 9.900 | -35.180 | 10.200 | -33.650 | 10.950 | -29.510 | 11.130 |
| -29.320 | 11.540 | -26.100 | 11.730 | -17.500 | 15.230 | -13.150 | 15.410 |
| -8.800 | 17.940 | -8.220 | 18.050 | -5.200 | 18.100 | -2.540 | 18.000 |
| -1.200 | 17.970 | -0.620 | 17.590 | 0.000 | 17.270 | 0.000 | 17.750 |
| 0.000 | 17.270 | 0.520 | 16.950 | 2.720 | 15.660 | 3.700 | 15.660 |
| 7.370 | 13.840 | 7.830 | 13.840 | 7.830 | 13.730 | 10.750 | 13.670 |
| 14.850 | 11.640 | 18.000 | 11.640 | 20.500 | 11.520 | 23.600 | 11.370 |
| 26.400 | 11.370 | 28.200 | 11.210 | 33.300 | 11.180 | 38.000 | 10.980 |
| 40.400 | 10.710 | 43.500 | 10.360 | 46.900 | 10.060 | 50.000 | 9.910 |
| 57.000 | 9.700 | 62.000 | 9.630 | 63.500 | 9.360 | 65.000 | 9.320 |
| 66.200 | 9.530 | 73.000 | 9.340 | 83.000 | 9.230 | 90.000 | 9.260 |
| 100.000 | 9.100 | 110.000 | 9.110 | 120.000 | 9.070 | 127.800 | 8.920 |
| 129.400 | 9.040 | 132.500 | 9.060 | 137.700 | 8.840 | 138.800 | 8.940 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 150.000 | 8.820 | 156.300 | 8.770 | 161.000 | 8.750 | 161.600 | 8.460 |
| 162.800 | 8.400 | 164.200 | 8.660 | 167.500 | 8.800 | 168.700 | 8.560 |
| 172.300 | 8.450 | 174.400 | 8.690 | 177.200 | 8.580 | 178.400 | 8.410 |
| 182.330 | 8.240 | 182.330 | 8.420 | 182.330 | 8.240 | 186.330 | 7.810 |
| 192.320 | 7.490 | 197.310 | 7.130 | 202.310 | 6.770 | 207.300 | 6.640 |
| 212.700 | 6.390 | 217.290 | 6.120 | 222.290 | 5.840 | 227.280 | 5.730 |
| 232.270 | 5.520 | 237.270 | 5.310 | 242.260 | 5.090 | 247.260 | 4.800 |
| 252.250 | 4.720 | 257.250 | 4.620 | 262.240 | 4.600 | 267.240 | 4.570 |
| 272.230 | 4.540 | 277.230 | 4.540 | 282.220 | 4.640 | 287.220 | 4.700 |
| 292.210 | 4.770 | 297.200 | 4.830 | 302.200 | 4.870 | 307.190 | 4.840 |
| 312.190 | 4.820 | 317.180 | 4.580 | 322.180 | 4.490 | 327.170 | 4.430 |
| 332.170 | 4.570 | 332.970 | 4.590 | 336.860 | 6.400 | 337.960 | 7.000 |
| 341.700 | 7.160 | 346.960 | 9.490 | 349.580 | 9.710 | 354.140 | 9.840 |
| 355.880 | 9.850 | 363.280 | 9.990 | 368.030 | 10.060 | 370.790 | 11.460 |
| 373.480 | 11.600 | 373.790 | 11.600 | 381.530 | 15.400 | 381.730 | 15.410 |
| 383.800 | 16.640 | 384.180 | 16.790 | 384.180 | 17.270 | 384.180 | 16.790 |
| 384.680 | 17.010 | 385.080 | 17.350 | 385.780 | 17.600 | 386.280 | 17.570 |
| 391.380 | 17.580 | 392.180 | 17.530 | 394.980 | 15.930 | 398.780 | 14.420 |
| 399.980 | 14.320 | 402.480 | 14.120 | 408.780 | 11.800 | 409.480 | 11.610 |
| 409.580 | 11.480 | 409.980 | 11.280 | 413.080 | 11.220 | 416.180 | 11.150 |
| 416.580 | 11.150 | 417.140 | 11.140 | 417.880 | 10.370 | 430.380 | 10.360 |
| 46.4 | 0.000 | | | | 159 | 89 115 | 27 135 |
| -47.050 | 10.270 | -46.700 | 10.270 | -46.700 | 10.480 | -46.450 | 10.490 |
| -41.450 | 10.690 | -40.530 | 10.740 | -40.300 | 10.840 | -38.550 | 10.950 |
| -38.550 | 10.650 | -38.250 | 10.650 | -38.250 | 10.950 | -37.600 | 11.220 |
| -36.950 | 11.280 | -34.500 | 11.470 | -31.800 | 11.480 | -28.700 | 11.720 |
| -26.600 | 12.100 | -20.100 | 14.510 | -18.300 | 14.900 | -15.500 | 14.960 |
| -14.400 | 15.140 | -7.900 | 18.360 | -7.700 | 18.370 | -4.600 | 18.440 |
| -2.200 | 18.300 | -1.600 | 18.190 | -0.630 | 17.570 | 0.000 | 17.180 |
| 0.000 | 17.700 | 0.000 | 17.180 | 0.540 | 16.820 | 2.450 | 15.740 |
| 3.450 | 15.740 | 7.150 | 13.900 | 7.610 | 13.900 | 7.610 | 13.790 |
| 10.520 | 13.730 | 14.520 | 11.780 | 16.600 | 11.730 | 20.500 | 11.710 |
| 24.700 | 11.580 | 30.300 | 11.400 | 40.400 | 11.180 | 44.000 | 10.920 |
| 45.900 | 10.910 | 48.100 | 10.590 | 54.000 | 10.340 | 62.000 | 10.080 |
| 64.000 | 10.160 | 71.500 | 10.170 | 78.000 | 10.070 | 84.000 | 9.980 |
| 91.000 | 9.970 | 97.000 | 9.950 | 98.000 | 9.790 | 105.000 | 9.690 |
| 107.200 | 9.790 | 108.300 | 9.750 | 110.000 | 9.550 | 113.000 | 9.470 |
| 116.300 | 9.520 | 117.300 | 9.690 | 118.300 | 9.740 | 119.200 | 9.430 |
| 124.500 | 9.360 | 127.000 | 9.090 | 134.300 | 9.110 | 141.500 | 9.050 |
| 149.000 | 9.090 | 154.700 | 8.960 | 161.400 | 8.800 | 163.800 | 8.620 |
| 168.000 | 8.820 | 170.000 | 8.580 | 172.500 | 8.570 | 173.100 | 8.350 |
| 173.900 | 8.340 | 174.800 | 8.650 | 176.200 | 8.660 | 179.000 | 8.240 |
| 183.600 | 7.900 | 184.800 | 7.580 | 187.100 | 7.520 | 188.100 | 7.710 |
| 189.700 | 7.670 | 192.750 | 7.280 | 192.750 | 7.460 | 192.750 | 7.280 |
| 204.010 | 6.750 | 206.140 | 6.420 | 206.440 | 6.270 | 211.740 | 5.840 |
| 216.740 | 5.460 | 221.740 | 5.100 | 226.740 | 4.870 | 231.730 | 4.600 |
| 236.730 | 4.280 | 241.730 | 4.100 | 246.730 | 3.860 | 251.730 | 3.730 |
| 256.720 | 3.550 | 261.720 | 3.410 | 266.720 | 3.250 | 271.720 | 3.060 |
| 276.720 | 2.960 | 281.710 | 2.920 | 286.710 | 2.880 | 291.710 | 2.890 |
| 296.710 | 3.140 | 301.710 | 3.860 | 303.400 | 4.420 | 303.400 | 6.120 |
| 303.600 | 6.400 | 305.900 | 6.990 | 307.400 | 7.560 | 314.200 | 8.070 |
| 314.200 | 7.870 | 315.400 | 8.280 | 316.600 | 8.800 | 317.370 | 8.890 |
| 317.370 | 9.040 | 317.370 | 8.890 | 319.050 | 8.840 | 320.850 | 8.830 |
| 321.850 | 8.970 | 324.850 | 9.140 | 326.850 | 9.250 | 330.450 | 11.600 |
| 330.980 | 11.640 | 333.320 | 11.670 | 341.480 | 15.670 | 341.690 | 15.670 |
| 344.090 | 16.890 | 344.650 | 17.170 | 344.650 | 17.690 | 344.650 | 17.170 |

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|----------|--------|----------|--------|----------|--------|----------|--------|
| 345.210 | 17.440 | 346.350 | 17.880 | 346.750 | 17.840 | 351.250 | 17.800 |
| 352.050 | 17.860 | 354.550 | 16.430 | 358.650 | 14.640 | 359.750 | 14.470 |
| 362.650 | 14.310 | 368.950 | 11.920 | 369.950 | 11.800 | 370.050 | 11.430 |
| 373.250 | 11.360 | 376.050 | 11.300 | 376.350 | 11.330 | 378.550 | 10.490 |
| 383.850 | 10.430 | 385.800 | 10.490 | 385.800 | 9.420 | 387.650 | 10.400 |
| 390.750 | 10.090 | 390.750 | 10.280 | 391.590 | 10.360 | | |
| 46.6 | 0.000 | | | | 176 | 103 134 | 64 150 |
| -102.600 | 9.900 | -100.600 | 9.960 | -100.300 | 9.950 | -100.300 | 10.020 |
| -100.100 | 10.020 | -99.200 | 10.020 | -99.200 | 9.950 | -88.350 | 10.050 |
| -87.100 | 10.070 | -80.300 | 10.100 | -75.800 | 10.140 | -75.500 | 10.140 |
| -75.500 | 10.340 | -75.380 | 10.340 | -75.170 | 10.340 | -75.170 | 10.200 |
| -75.000 | 10.200 | -75.000 | 10.080 | -74.700 | 10.080 | -74.700 | 10.200 |
| -70.300 | 10.210 | -64.370 | 10.230 | -64.270 | 10.680 | -62.300 | 10.720 |
| -55.500 | 10.750 | -53.500 | 10.710 | -53.400 | 10.310 | -52.750 | 10.310 |
| -52.750 | 10.260 | -51.200 | 10.280 | -51.200 | 10.400 | -47.450 | 10.480 |
| -47.450 | 10.630 | -47.170 | 10.630 | -46.970 | 10.630 | -46.970 | 10.430 |
| -46.920 | 10.430 | -46.920 | 10.200 | -43.870 | 10.250 | -43.430 | 10.280 |
| -42.650 | 10.540 | -40.400 | 10.800 | -39.400 | 10.880 | -38.150 | 11.120 |
| -36.500 | 11.120 | -34.900 | 11.260 | -32.600 | 11.340 | -31.950 | 11.510 |
| -25.450 | 14.750 | -24.900 | 14.880 | -21.500 | 14.970 | -19.420 | 15.080 |
| -15.450 | 15.160 | -13.500 | 15.290 | -13.500 | 15.460 | -10.910 | 16.700 |
| -7.600 | 18.350 | -7.100 | 18.730 | -4.500 | 18.820 | -2.000 | 18.720 |
| -1.600 | 18.670 | -0.620 | 18.080 | 0.000 | 17.670 | 0.000 | 18.180 |
| 0.000 | 17.670 | 0.580 | 17.260 | 2.780 | 15.800 | 3.780 | 15.810 |
| 7.460 | 13.990 | 7.960 | 13.990 | 10.860 | 13.820 | 14.240 | 12.160 |
| 20.400 | 11.960 | 21.720 | 12.040 | 23.700 | 11.880 | 30.500 | 11.750 |
| 34.800 | 11.570 | 39.000 | 11.310 | 41.600 | 10.860 | 50.000 | 10.660 |
| 57.000 | 10.750 | 62.000 | 10.750 | 66.500 | 10.740 | 70.000 | 10.820 |
| 77.000 | 10.730 | 84.000 | 10.490 | 89.000 | 10.410 | 91.000 | 10.270 |
| 97.000 | 10.180 | 103.000 | 10.070 | 104.800 | 10.040 | 106.300 | 9.930 |
| 108.000 | 9.930 | 110.000 | 9.870 | 115.000 | 9.700 | 118.000 | 9.740 |
| 122.000 | 9.670 | 123.000 | 9.530 | 126.000 | 9.500 | 132.000 | 9.460 |
| 139.700 | 9.150 | 147.000 | 8.800 | 155.000 | 8.420 | 164.000 | 8.020 |
| 168.500 | 7.750 | 173.830 | 7.410 | 173.830 | 7.570 | 173.830 | 7.410 |
| 178.830 | 7.150 | 186.820 | 6.650 | 191.820 | 6.400 | 193.820 | 6.320 |
| 198.810 | 5.940 | 203.810 | 5.640 | 208.800 | 5.300 | 213.800 | 4.920 |
| 218.800 | 4.490 | 223.790 | 3.960 | 228.790 | 3.550 | 233.780 | 3.210 |
| 238.780 | 2.770 | 243.780 | 2.370 | 248.770 | 1.890 | 253.770 | 1.550 |
| 258.770 | 1.070 | 263.760 | 1.320 | 268.760 | 2.620 | 270.760 | 2.920 |
| 272.060 | 6.640 | 274.250 | 7.000 | 275.950 | 6.910 | 276.550 | 6.080 |
| 277.450 | 6.420 | 279.150 | 7.880 | 279.780 | 8.050 | 280.130 | 8.090 |
| 281.430 | 8.060 | 283.230 | 8.080 | 284.530 | 8.360 | 286.430 | 8.430 |
| 287.080 | 8.590 | 287.540 | 8.600 | 293.790 | 11.660 | 294.060 | 11.700 |
| 294.690 | 11.810 | 296.160 | 11.820 | 304.200 | 15.820 | 304.410 | 15.820 |
| 308.030 | 17.640 | 308.030 | 17.970 | 308.030 | 17.640 | 308.480 | 17.930 |
| 309.030 | 18.010 | 310.030 | 18.060 | 314.130 | 18.010 | 314.730 | 18.080 |
| 315.530 | 17.870 | 317.180 | 16.730 | 320.030 | 14.860 | 321.430 | 14.760 |
| 323.430 | 14.690 | 328.030 | 14.500 | 328.680 | 14.130 | 334.530 | 11.690 |
| 338.130 | 11.510 | 339.130 | 11.320 | 341.380 | 10.420 | 342.300 | 10.390 |
| 343.130 | 8.780 | 344.330 | 8.780 | 344.330 | 9.450 | 344.500 | 9.360 |
| 344.750 | 9.370 | 344.930 | 10.220 | 347.230 | 10.330 | 355.030 | 10.400 |
| 46.8 | 0.000 | | | | 173 | 75 129 | 44 143 |
| -101.550 | 10.420 | -92.700 | 10.450 | -90.450 | 10.250 | -88.600 | 9.950 |
| -88.500 | 9.850 | -87.700 | 9.850 | -84.800 | 9.970 | -81.000 | 9.930 |
| -77.400 | 9.920 | -71.900 | 9.900 | -62.300 | 9.990 | -62.100 | 9.600 |
| -61.700 | 9.660 | -61.700 | 10.400 | -61.500 | 10.400 | -61.500 | 10.590 |

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|----------|--------|----------|--------|---------|--------|---------|--------|
| -57.650 | 10.640 | -45.400 | 10.090 | -45.100 | 10.210 | -44.600 | 10.210 |
| -44.230 | 10.180 | -37.660 | 10.300 | -37.000 | 10.300 | -36.560 | 10.300 |
| -36.040 | 10.300 | -36.040 | 10.510 | -34.020 | 11.500 | -33.550 | 11.500 |
| -33.000 | 11.620 | -30.910 | 11.690 | -28.680 | 11.680 | -28.190 | 11.700 |
| -28.030 | 12.020 | -26.850 | 12.180 | -18.250 | 15.440 | -13.050 | 15.750 |
| -7.100 | 18.680 | -6.850 | 18.730 | -4.300 | 18.850 | -2.200 | 18.850 |
| -1.500 | 18.870 | -0.610 | 18.390 | 0.000 | 18.040 | 0.000 | 18.560 |
| 0.000 | 18.040 | 0.580 | 17.710 | 3.820 | 15.980 | 4.810 | 15.980 |
| 8.540 | 14.160 | 9.050 | 14.160 | 9.050 | 14.060 | 11.970 | 14.000 |
| 15.300 | 12.350 | 19.700 | 12.320 | 25.800 | 12.230 | 30.700 | 12.070 |
| 36.700 | 11.870 | 43.700 | 11.620 | 50.000 | 11.460 | 56.500 | 11.260 |
| 59.700 | 11.130 | 61.900 | 10.610 | 63.600 | 10.380 | 64.500 | 10.290 |
| 65.300 | 10.150 | 67.000 | 10.150 | 68.500 | 10.250 | 71.300 | 10.100 |
| 73.400 | 9.950 | 76.600 | 9.670 | 78.400 | 9.390 | 80.230 | 9.080 |
| 80.230 | 9.270 | 80.230 | 9.080 | 81.230 | 8.860 | 81.730 | 8.850 |
| 85.130 | 7.960 | 86.230 | 7.970 | 87.120 | 7.550 | 88.120 | 7.470 |
| 89.620 | 7.060 | 92.220 | 6.970 | 96.720 | 6.820 | 107.310 | 6.980 |
| 110.200 | 7.210 | 116.500 | 7.460 | 121.990 | 7.530 | 130.190 | 7.430 |
| 147.770 | 7.040 | 157.760 | 6.810 | 168.160 | 6.590 | 174.250 | 6.420 |
| 178.150 | 6.340 | 183.140 | 6.200 | 188.140 | 6.130 | 193.140 | 5.980 |
| 198.130 | 5.920 | 203.130 | 5.840 | 208.120 | 5.830 | 213.120 | 5.850 |
| 218.110 | 5.790 | 223.110 | 5.740 | 228.100 | 5.780 | 233.100 | 5.650 |
| 238.100 | 5.580 | 243.090 | 5.420 | 248.090 | 5.260 | 253.080 | 5.010 |
| 258.080 | 4.740 | 263.080 | 4.630 | 268.070 | 4.940 | 270.070 | 5.490 |
| 273.070 | 5.840 | 276.060 | 5.920 | 278.060 | 6.160 | 279.960 | 6.420 |
| 281.760 | 6.670 | 281.760 | 6.930 | 281.760 | 6.670 | 282.580 | 6.690 |
| 282.580 | 6.940 | 283.380 | 8.070 | 284.180 | 7.620 | 286.080 | 7.820 |
| 290.780 | 7.950 | 291.080 | 7.670 | 292.380 | 7.700 | 293.260 | 7.510 |
| 298.190 | 9.970 | 299.760 | 10.070 | 301.150 | 10.120 | 304.870 | 11.850 |
| 305.800 | 11.910 | 306.420 | 12.020 | 307.230 | 12.010 | 315.360 | 15.990 |
| 315.560 | 15.990 | 318.350 | 17.290 | 318.680 | 17.460 | 318.680 | 17.920 |
| 318.680 | 17.460 | 319.030 | 17.630 | 320.380 | 18.290 | 321.180 | 18.290 |
| 323.180 | 18.350 | 325.250 | 18.270 | 325.680 | 18.310 | 326.280 | 18.190 |
| 331.180 | 15.860 | 331.590 | 15.800 | 331.860 | 15.310 | 336.680 | 15.300 |
| 337.130 | 15.180 | 337.580 | 15.060 | 345.180 | 11.670 | 347.580 | 11.670 |
| 349.280 | 11.570 | 352.880 | 11.380 | 354.130 | 11.490 | 356.180 | 11.550 |
| 356.180 | 11.390 | 356.430 | 11.390 | 356.430 | 11.560 | 359.680 | 11.520 |
| 362.080 | 10.320 | 362.380 | 10.270 | 362.500 | 10.270 | 362.500 | 9.250 |
| 363.930 | 9.250 | 363.930 | 10.270 | 364.140 | 10.270 | 364.680 | 10.240 |
| 366.180 | 11.010 | | | | | | |
| 47.0 | 0.000 | | | | 167 | 69 127 | 55 146 |
| -102.700 | 9.990 | -100.700 | 9.890 | -98.100 | 9.980 | -98.100 | 10.100 |
| -95.700 | 10.100 | -83.450 | 10.120 | -83.400 | 10.120 | -83.000 | 10.120 |
| -82.100 | 10.180 | -81.070 | 10.170 | -80.450 | 10.180 | -80.100 | 10.200 |
| -80.000 | 10.200 | -79.100 | 10.200 | -71.300 | 10.330 | -71.100 | 10.330 |
| -70.950 | 10.460 | -66.000 | 10.500 | -63.700 | 10.530 | -54.550 | 10.420 |
| -54.300 | 10.420 | -54.200 | 10.630 | -49.750 | 10.650 | -39.860 | 10.900 |
| -38.750 | 10.830 | -38.750 | 11.290 | -37.350 | 11.360 | -37.150 | 10.870 |
| -37.100 | 10.870 | -37.100 | 10.580 | -36.800 | 10.580 | -36.800 | 10.870 |
| -36.600 | 10.870 | -36.250 | 11.450 | -35.950 | 11.600 | -35.380 | 11.630 |
| -30.470 | 11.720 | -30.150 | 11.720 | -29.900 | 12.130 | -28.800 | 12.200 |
| -26.330 | 13.250 | -23.420 | 13.320 | -23.200 | 13.750 | -21.800 | 13.890 |
| -17.400 | 15.610 | -13.750 | 15.840 | -12.900 | 16.010 | -7.400 | 18.880 |
| -7.100 | 18.890 | -4.500 | 19.020 | -2.250 | 18.960 | -1.500 | 18.900 |
| -0.600 | 18.400 | 0.000 | 18.110 | 0.000 | 18.580 | 0.000 | 18.110 |
| 0.540 | 17.830 | 3.810 | 16.170 | 4.830 | 16.160 | 8.510 | 14.330 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 9.020 | 14.330 | 9.020 | 14.220 | 11.890 | 14.150 | 15.250 | 12.480 |
| 23.000 | 12.430 | 31.500 | 12.280 | 41.000 | 11.900 | 43.500 | 11.580 |
| 44.430 | 11.380 | 49.300 | 8.900 | 49.580 | 8.900 | 49.580 | 8.800 |
| 50.600 | 8.760 | 52.140 | 8.000 | 52.600 | 7.990 | 53.600 | 8.210 |
| 55.100 | 8.280 | 56.600 | 7.940 | 57.200 | 7.930 | 58.400 | 7.790 |
| 60.500 | 7.580 | 64.000 | 7.540 | 64.900 | 7.690 | 65.450 | 7.720 |
| 65.450 | 7.930 | 65.450 | 7.720 | 67.450 | 7.420 | 70.450 | 7.140 |
| 75.440 | 6.870 | 80.440 | 6.790 | 86.440 | 6.660 | 90.430 | 6.580 |
| 95.430 | 6.450 | 100.430 | 6.310 | 105.420 | 6.200 | 110.420 | 6.110 |
| 115.420 | 6.090 | 120.410 | 6.040 | 125.410 | 6.050 | 130.410 | 6.070 |
| 135.400 | 6.130 | 140.400 | 6.150 | 145.400 | 6.200 | 150.390 | 6.260 |
| 155.390 | 6.340 | 160.390 | 6.390 | 165.380 | 6.450 | 170.380 | 6.440 |
| 175.380 | 6.380 | 180.370 | 6.290 | 185.370 | 6.170 | 190.370 | 6.040 |
| 195.360 | 6.000 | 200.360 | 5.880 | 205.360 | 5.750 | 210.350 | 5.720 |
| 215.350 | 5.350 | 220.340 | 5.420 | 223.340 | 5.560 | 224.540 | 5.920 |
| 224.540 | 6.660 | 224.540 | 7.270 | 226.340 | 7.960 | 227.640 | 8.580 |
| 228.390 | 8.290 | 228.390 | 8.790 | 231.730 | 8.960 | 231.730 | 8.760 |
| 236.380 | 8.950 | 237.710 | 9.170 | 239.580 | 9.860 | 242.180 | 10.210 |
| 243.680 | 10.450 | 245.380 | 10.690 | 247.580 | 11.050 | 250.180 | 11.330 |
| 251.960 | 11.510 | 257.250 | 14.150 | 259.830 | 14.300 | 259.830 | 14.400 |
| 260.280 | 14.400 | 263.800 | 16.130 | 264.790 | 16.140 | 268.420 | 18.060 |
| 268.780 | 18.230 | 268.780 | 18.780 | 268.780 | 18.230 | 269.120 | 18.410 |
| 269.680 | 18.750 | 270.180 | 18.790 | 270.680 | 18.750 | 272.780 | 18.770 |
| 275.180 | 18.720 | 275.480 | 18.730 | 276.180 | 18.680 | 279.980 | 16.720 |
| 280.690 | 16.680 | 280.930 | 16.220 | 286.780 | 16.130 | 295.780 | 11.950 |
| 296.580 | 11.970 | 302.580 | 12.000 | 304.780 | 12.000 | 307.680 | 11.840 |
| 308.280 | 11.780 | 314.180 | 11.800 | 315.580 | 11.750 | | |
| 47.2 | 0.000 | | | | 154 | 50.97 | 31.123 |
| -46.100 | 10.250 | -40.500 | 10.320 | -37.700 | 10.420 | -36.860 | 10.430 |
| -36.740 | 10.430 | -36.740 | 10.150 | -36.440 | 10.150 | -36.380 | 10.440 |
| -36.380 | 10.960 | -36.260 | 10.970 | -34.270 | 11.630 | -33.700 | 11.710 |
| -31.250 | 11.880 | -29.370 | 11.910 | -29.040 | 11.890 | -28.790 | 12.330 |
| -27.600 | 12.370 | -26.070 | 12.980 | -18.500 | 15.980 | -14.600 | 16.170 |
| -13.850 | 16.230 | -13.540 | 16.230 | -13.540 | 16.440 | -8.040 | 19.150 |
| -7.490 | 19.140 | -5.000 | 19.160 | -2.500 | 19.150 | -1.100 | 19.150 |
| -0.850 | 19.010 | 0.000 | 18.630 | 0.000 | 19.120 | 0.000 | 18.630 |
| 0.900 | 18.210 | 2.900 | 17.190 | 4.800 | 16.320 | 5.820 | 16.320 |
| 8.840 | 14.830 | 9.150 | 14.830 | 9.150 | 14.730 | 11.910 | 14.580 |
| 15.450 | 12.820 | 17.700 | 12.740 | 21.200 | 12.660 | 24.190 | 12.570 |
| 26.900 | 12.180 | 30.100 | 11.980 | 31.750 | 11.730 | 35.000 | 11.500 |
| 37.150 | 11.460 | 38.200 | 11.380 | 44.500 | 8.300 | 47.950 | 8.090 |
| 47.950 | 8.290 | 47.950 | 8.090 | 51.950 | 8.140 | 53.240 | 7.530 |
| 53.240 | 7.980 | 56.140 | 8.290 | 58.940 | 7.640 | 60.930 | 7.440 |
| 60.930 | 6.690 | 60.930 | 6.040 | 62.930 | 6.020 | 67.930 | 5.930 |
| 72.920 | 5.630 | 77.910 | 5.610 | 82.910 | 5.460 | 87.900 | 5.660 |
| 92.900 | 5.690 | 97.890 | 5.740 | 102.880 | 5.800 | 107.880 | 5.880 |
| 112.870 | 5.940 | 117.870 | 6.000 | 122.860 | 6.050 | 127.850 | 6.090 |
| 132.850 | 6.130 | 137.840 | 6.140 | 142.840 | 6.110 | 147.830 | 6.090 |
| 152.830 | 6.060 | 157.820 | 5.990 | 162.810 | 5.980 | 167.810 | 6.030 |
| 172.800 | 6.050 | 177.800 | 6.080 | 182.790 | 6.200 | 187.780 | 6.360 |
| 192.780 | 6.490 | 197.870 | 6.680 | 198.800 | 6.880 | 198.800 | 7.230 |
| 198.800 | 6.880 | 202.650 | 8.630 | 204.550 | 8.770 | 207.150 | 8.860 |
| 208.450 | 9.100 | 211.350 | 9.100 | 215.750 | 8.920 | 216.650 | 8.820 |
| 222.550 | 8.900 | 224.550 | 9.440 | 228.300 | 9.530 | 231.550 | 10.030 |
| 233.450 | 10.610 | 236.300 | 11.550 | 237.850 | 11.770 | 240.250 | 11.910 |
| 243.850 | 11.980 | 245.950 | 11.930 | 246.550 | 12.050 | 249.650 | 12.110 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 254.350 | 12.120 | 256.600 | 12.220 | 261.240 | 14.440 | 263.830 | 14.630 |
| 263.830 | 14.730 | 264.320 | 14.730 | 267.350 | 16.240 | 268.350 | 16.280 |
| 271.650 | 18.020 | 272.150 | 18.300 | 272.150 | 18.770 | 272.150 | 18.300 |
| 272.700 | 18.580 | 273.200 | 18.750 | 274.000 | 18.780 | 276.250 | 18.840 |
| 278.850 | 18.880 | 279.400 | 18.930 | 279.900 | 18.800 | 280.950 | 17.940 |
| 281.750 | 17.120 | 283.050 | 17.140 | 283.950 | 17.020 | 285.300 | 16.950 |
| 285.650 | 16.290 | 285.900 | 15.700 | 290.850 | 15.660 | 291.100 | 15.660 |
| 291.650 | 15.390 | 292.950 | 14.250 | 297.250 | 12.750 | 298.550 | 12.550 |
| 299.750 | 12.540 | 300.430 | 12.410 | 301.150 | 12.300 | 313.550 | 12.580 |
| 315.650 | 13.060 | 316.250 | 13.310 | 317.550 | 13.710 | 319.750 | 14.710 |
| 320.450 | 14.770 | 321.950 | 14.880 | | | | |
| 47.4 | 0.000 | | | | 154 | 46 106 | 28 126 |
| -40.100 | 10.250 | -39.880 | 10.250 | -39.880 | 10.370 | -38.800 | 10.450 |
| -36.920 | 10.460 | -36.800 | 10.500 | -36.800 | 10.200 | -36.500 | 10.200 |
| -36.500 | 10.500 | -35.750 | 10.500 | -34.950 | 12.290 | -34.200 | 12.410 |
| -30.500 | 12.570 | -30.250 | 13.040 | -29.200 | 13.150 | -24.600 | 14.900 |
| -21.300 | 14.920 | -21.150 | 15.300 | -20.400 | 15.330 | -17.770 | 16.240 |
| -13.050 | 16.420 | -6.550 | 19.650 | -6.250 | 19.730 | -6.000 | 19.730 |
| -1.450 | 19.840 | -0.260 | 19.050 | 0.000 | 18.900 | 0.000 | 19.470 |
| 0.000 | 18.900 | 0.240 | 18.750 | 3.300 | 17.070 | 5.050 | 16.490 |
| 6.100 | 16.460 | 9.110 | 14.990 | 9.430 | 14.980 | 9.430 | 14.870 |
| 12.100 | 14.750 | 15.820 | 12.930 | 17.150 | 12.930 | 20.350 | 12.710 |
| 23.900 | 12.550 | 24.400 | 12.430 | 27.300 | 12.200 | 29.050 | 12.010 |
| 34.050 | 11.800 | 37.250 | 11.670 | 38.200 | 11.610 | 44.080 | 8.820 |
| 49.750 | 8.740 | 51.450 | 8.470 | 52.450 | 7.800 | 52.650 | 6.980 |
| 52.650 | 8.280 | 56.500 | 8.190 | 57.800 | 7.290 | 59.050 | 7.450 |
| 62.400 | 7.470 | 63.400 | 7.630 | 64.400 | 8.350 | 65.300 | 8.360 |
| 67.000 | 7.770 | 69.300 | 7.610 | 72.600 | 7.760 | 72.600 | 7.900 |
| 72.600 | 7.760 | 76.990 | 6.850 | 80.590 | 6.690 | 86.580 | 6.820 |
| 91.570 | 6.990 | 99.560 | 6.890 | 107.540 | 6.890 | 112.530 | 6.740 |
| 113.930 | 6.730 | 117.520 | 6.670 | 122.520 | 6.530 | 127.510 | 6.450 |
| 132.500 | 6.300 | 137.490 | 6.230 | 142.480 | 6.170 | 147.480 | 6.150 |
| 152.470 | 6.130 | 157.460 | 6.080 | 162.450 | 5.990 | 167.440 | 5.840 |
| 172.430 | 5.730 | 177.420 | 5.710 | 182.420 | 5.570 | 187.410 | 5.710 |
| 192.400 | 5.740 | 197.390 | 5.690 | 202.380 | 5.660 | 207.380 | 5.700 |
| 212.370 | 5.880 | 215.360 | 6.010 | 217.360 | 6.410 | 220.750 | 6.730 |
| 228.340 | 6.940 | 232.330 | 7.330 | 233.830 | 7.310 | 234.530 | 7.450 |
| 234.530 | 7.790 | 234.530 | 7.450 | 236.930 | 7.960 | 238.530 | 8.150 |
| 240.630 | 8.730 | 243.030 | 9.410 | 244.430 | 9.530 | 245.430 | 9.290 |
| 246.030 | 9.290 | 247.430 | 9.510 | 251.990 | 10.910 | 254.430 | 11.670 |
| 257.430 | 11.950 | 261.230 | 12.030 | 262.430 | 12.170 | 266.030 | 12.100 |
| 267.430 | 12.210 | 269.830 | 12.260 | 270.880 | 12.290 | 275.870 | 14.720 |
| 278.600 | 14.900 | 278.920 | 15.000 | 282.000 | 16.470 | 283.000 | 16.510 |
| 287.430 | 18.520 | 287.430 | 19.090 | 287.430 | 18.520 | 287.780 | 18.740 |
| 288.380 | 19.010 | 288.930 | 18.980 | 291.730 | 19.030 | 293.830 | 18.980 |
| 294.430 | 18.950 | 297.880 | 17.350 | 300.050 | 16.570 | 300.180 | 16.090 |
| 300.780 | 16.010 | 301.280 | 16.000 | 304.530 | 15.890 | 307.780 | 15.700 |
| 308.280 | 15.730 | 308.530 | 15.700 | 309.180 | 15.610 | 310.430 | 14.910 |
| 312.830 | 14.700 | 318.230 | 12.270 | 319.380 | 11.630 | 319.830 | 11.490 |
| 321.430 | 11.400 | 322.230 | 11.410 | 323.380 | 11.360 | 323.770 | 11.370 |
| 323.770 | 11.270 | 324.030 | 11.270 | | | | |
| 47.6 | 0.000 | | | | 181 | 48 129 | 31 150 |
| -47.780 | 10.990 | -44.970 | 11.140 | -42.100 | 11.350 | -38.490 | 11.440 |
| -38.490 | 11.150 | -38.180 | 11.150 | -38.180 | 11.460 | -37.910 | 11.470 |
| -36.020 | 14.950 | -35.600 | 14.950 | -34.470 | 15.700 | -33.900 | 15.700 |
| -29.270 | 15.840 | -28.320 | 15.830 | -24.800 | 15.870 | -20.030 | 15.770 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|----------|--------|---------|--------|---------|--------|
| -19.620 | 15.770 | -19.260 | 15.780 | -18.510 | 17.220 | -18.050 | 17.220 |
| -16.600 | 17.390 | -14.800 | 17.740 | -12.250 | 18.560 | -8.900 | 20.000 |
| -8.450 | 20.140 | -5.250 | 20.070 | -2.800 | 20.080 | -1.850 | 20.250 |
| -1.250 | 20.220 | 0.000 | 19.590 | 0.000 | 20.050 | 0.000 | 19.590 |
| 5.170 | 16.750 | 6.400 | 16.680 | 9.440 | 15.170 | 9.770 | 15.170 |
| 9.770 | 15.070 | 12.410 | 14.920 | 15.380 | 13.380 | 20.000 | 13.120 |
| 31.050 | 12.890 | 32.250 | 13.040 | 36.000 | 12.950 | 37.300 | 12.820 |
| 43.600 | 12.730 | 55.600 | 12.590 | 63.000 | 12.550 | 65.500 | 12.260 |
| 66.100 | 12.000 | 66.100 | 11.890 | 67.120 | 11.860 | 74.000 | 8.440 |
| 75.250 | 8.330 | 77.400 | 8.100 | 79.500 | 8.010 | 81.100 | 8.190 |
| 83.400 | 8.290 | 84.400 | 8.470 | 85.300 | 8.540 | 87.000 | 8.930 |
| 88.400 | 8.900 | 89.200 | 9.130 | 90.300 | 9.060 | 92.000 | 9.240 |
| 92.700 | 8.990 | 95.300 | 9.220 | 97.200 | 9.520 | 99.500 | 9.590 |
| 101.650 | 9.180 | 105.000 | 9.140 | 107.500 | 9.350 | 109.600 | 9.060 |
| 110.500 | 9.220 | 112.600 | 9.290 | 113.850 | 9.040 | 115.400 | 9.150 |
| 116.400 | 8.950 | 117.800 | 8.960 | 120.000 | 9.590 | 122.400 | 9.590 |
| 123.500 | 9.120 | 125.000 | 9.200 | 126.700 | 8.490 | 127.230 | 8.460 |
| 127.230 | 8.680 | 127.230 | 8.460 | 131.320 | 7.770 | 133.720 | 7.540 |
| 134.920 | 7.310 | 137.220 | 7.180 | 142.210 | 7.070 | 147.200 | 7.010 |
| 150.700 | 6.890 | 155.690 | 6.760 | 157.190 | 6.660 | 162.180 | 6.450 |
| 167.170 | 6.190 | 172.160 | 6.060 | 177.160 | 5.950 | 182.150 | 5.970 |
| 187.140 | 5.990 | 192.140 | 5.910 | 197.130 | 5.710 | 202.120 | 5.650 |
| 207.110 | 5.730 | 212.110 | 5.800 | 217.100 | 5.850 | 222.090 | 5.890 |
| 227.080 | 5.990 | 232.080 | 5.950 | 237.070 | 6.030 | 242.060 | 6.110 |
| 247.060 | 6.070 | 252.050 | 6.150 | 257.040 | 6.170 | 262.030 | 6.440 |
| 265.030 | 6.670 | 268.420 | 6.750 | 270.670 | 6.960 | 270.670 | 7.140 |
| 270.670 | 6.960 | 271.510 | 7.140 | 274.210 | 9.160 | 275.510 | 9.660 |
| 278.210 | 9.780 | 279.010 | 9.680 | 280.010 | 9.690 | 281.610 | 10.120 |
| 287.010 | 11.780 | 288.910 | 11.900 | 290.910 | 11.940 | 292.510 | 12.070 |
| 294.410 | 12.110 | 296.810 | 12.230 | 300.110 | 12.350 | 301.010 | 12.540 |
| 304.210 | 12.610 | 305.810 | 12.550 | 306.810 | 12.660 | 311.430 | 14.920 |
| 314.040 | 15.060 | 314.340 | 15.160 | 317.410 | 16.670 | 318.650 | 16.720 |
| 322.220 | 18.630 | 322.510 | 18.850 | 322.510 | 19.400 | 322.510 | 18.850 |
| 322.860 | 19.050 | 326.340 | 20.910 | 326.860 | 20.950 | 327.410 | 20.960 |
| 329.460 | 20.980 | 331.690 | 20.850 | 332.130 | 20.880 | 332.360 | 20.830 |
| 338.270 | 17.970 | 338.710 | 17.970 | 339.690 | 16.190 | 341.440 | 16.110 |
| 342.710 | 13.780 | 342.910 | 13.780 | 343.410 | 13.780 | 347.510 | 13.800 |
| 349.910 | 13.730 | 351.760 | 13.650 | 351.950 | 13.640 | 352.450 | 13.620 |
| 352.490 | 13.470 | 355.110 | 13.430 | 357.360 | 13.280 | 357.770 | 13.280 |
| 358.030 | 13.260 | 358.440 | 13.250 | 359.240 | 11.630 | 361.010 | 11.640 |
| 363.110 | 11.740 | 365.460 | 11.690 | 366.060 | 11.690 | 366.060 | 11.890 |
| 366.160 | 11.890 | | | | | | |
| 47.8 | 0.000 | | | | 170 | 63 120 | 49 139 |
| -102.900 | 10.450 | -100.800 | 10.580 | -93.800 | 10.900 | -89.150 | 11.050 |
| -85.400 | 10.910 | -80.500 | 10.880 | -77.850 | 10.930 | -69.500 | 10.920 |
| -69.100 | 10.920 | -69.100 | 10.680 | -69.000 | 10.680 | -68.550 | 10.680 |
| -67.000 | 10.750 | -65.420 | 10.690 | -64.980 | 10.690 | -64.950 | 10.970 |
| -59.700 | 11.110 | -53.500 | 11.110 | -53.500 | 11.160 | -53.400 | 11.160 |
| -53.250 | 11.160 | -53.250 | 11.020 | -51.700 | 10.950 | -51.240 | 10.950 |
| -47.270 | 11.290 | -47.270 | 11.400 | -46.250 | 11.420 | -31.800 | 11.550 |
| -31.600 | 11.550 | -31.440 | 11.570 | -30.850 | 12.710 | -30.790 | 12.710 |
| -30.790 | 12.300 | -30.490 | 12.300 | -30.490 | 12.710 | -30.350 | 12.710 |
| -26.350 | 12.780 | -25.950 | 13.550 | -25.500 | 13.610 | -18.000 | 16.630 |
| -13.650 | 16.890 | -12.310 | 17.400 | -8.050 | 19.760 | -7.350 | 20.350 |
| -6.900 | 20.520 | -1.950 | 20.550 | -1.300 | 20.460 | -1.000 | 20.240 |
| -1.000 | 20.610 | -1.000 | 20.240 | 5.120 | 16.910 | 6.130 | 16.910 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 9.820 | 15.080 | 10.260 | 15.080 | 10.260 | 14.980 | 13.170 | 14.900 |
| 16.340 | 13.330 | 24.300 | 13.030 | 30.000 | 12.690 | 32.500 | 12.600 |
| 34.900 | 12.560 | 36.000 | 12.390 | 36.280 | 12.170 | 36.280 | 12.070 |
| 37.300 | 12.040 | 42.600 | 9.450 | 44.900 | 9.050 | 47.800 | 8.790 |
| 50.900 | 9.070 | 56.500 | 8.940 | 59.400 | 9.070 | 63.200 | 9.010 |
| 64.600 | 8.630 | 65.100 | 8.650 | 65.600 | 8.790 | 67.100 | 8.990 |
| 68.000 | 9.150 | 72.200 | 8.970 | 73.700 | 8.610 | 74.700 | 8.630 |
| 75.400 | 8.360 | 77.400 | 8.460 | 79.130 | 7.980 | 79.130 | 8.160 |
| 79.130 | 7.980 | 79.730 | 7.690 | 80.130 | 7.170 | 84.320 | 6.800 |
| 88.320 | 6.890 | 93.220 | 6.780 | 96.110 | 6.670 | 101.110 | 6.620 |
| 106.100 | 6.500 | 111.100 | 6.310 | 116.090 | 6.250 | 121.090 | 6.020 |
| 126.080 | 5.900 | 131.080 | 5.800 | 136.070 | 5.710 | 141.070 | 5.590 |
| 146.060 | 5.470 | 151.060 | 5.410 | 156.050 | 5.320 | 161.050 | 5.160 |
| 166.040 | 5.080 | 171.040 | 5.070 | 176.030 | 4.960 | 181.030 | 4.950 |
| 186.020 | 5.110 | 191.020 | 5.300 | 196.010 | 5.410 | 201.010 | 5.490 |
| 206.000 | 6.250 | 209.000 | 6.770 | 210.350 | 7.170 | 210.350 | 7.430 |
| 210.350 | 7.170 | 213.300 | 7.940 | 217.100 | 9.030 | 219.700 | 9.660 |
| 222.900 | 9.880 | 225.800 | 10.150 | 229.600 | 10.270 | 232.400 | 10.310 |
| 234.650 | 10.110 | 236.580 | 10.020 | 238.900 | 10.220 | 241.000 | 10.300 |
| 243.500 | 10.820 | 246.300 | 11.950 | 247.700 | 12.280 | 252.900 | 12.450 |
| 257.900 | 12.610 | 263.150 | 13.060 | 268.100 | 13.380 | 272.080 | 13.420 |
| 284.100 | 18.750 | 284.400 | 18.950 | 284.400 | 19.510 | 284.400 | 18.950 |
| 284.760 | 19.150 | 286.050 | 19.350 | 286.640 | 19.360 | 288.700 | 19.400 |
| 290.830 | 19.340 | 293.000 | 18.430 | 296.300 | 17.030 | 296.850 | 16.960 |
| 297.620 | 16.660 | 297.720 | 16.360 | 298.250 | 16.240 | 300.800 | 16.090 |
| 301.360 | 15.970 | 302.000 | 15.960 | 307.400 | 15.970 | 310.830 | 15.950 |
| 310.970 | 15.960 | 311.400 | 15.960 | 312.800 | 12.290 | 315.600 | 12.070 |
| 315.890 | 11.640 | 316.090 | 11.650 | 316.090 | 11.350 | 316.400 | 11.350 |
| 316.400 | 11.650 | 319.400 | 11.720 | 321.680 | 11.680 | 322.280 | 11.680 |
| 323.500 | 12.200 | 333.100 | 12.320 | | | | |
| 48.0 | 0.000 | | | | 152 | 42 90 | 29 126 |
| -102.000 | 10.570 | -73.000 | 10.620 | -49.400 | 10.630 | -44.450 | 11.290 |
| -44.320 | 11.290 | -44.200 | 11.340 | -44.200 | 11.040 | -43.900 | 11.040 |
| -43.900 | 11.350 | -41.200 | 11.230 | -38.450 | 11.290 | -36.720 | 11.480 |
| -36.420 | 12.040 | -34.950 | 12.180 | -33.200 | 12.830 | -30.800 | 12.900 |
| -28.450 | 13.070 | -18.700 | 16.830 | -15.900 | 16.970 | -11.800 | 18.760 |
| -10.050 | 19.240 | -7.900 | 20.530 | -7.600 | 20.630 | -7.400 | 20.650 |
| -2.300 | 20.640 | -1.550 | 20.630 | -0.620 | 20.230 | 0.000 | 19.930 |
| 0.000 | 20.480 | 0.000 | 19.930 | 0.500 | 19.630 | 5.430 | 17.070 |
| 6.580 | 17.050 | 10.400 | 15.220 | 10.860 | 15.220 | 10.860 | 15.120 |
| 13.750 | 15.010 | 17.020 | 13.490 | 17.500 | 13.480 | 21.200 | 13.070 |
| 25.300 | 12.440 | 26.700 | 12.090 | 30.000 | 10.680 | 32.000 | 9.900 |
| 34.000 | 9.550 | 36.300 | 9.390 | 38.620 | 8.470 | 38.620 | 8.740 |
| 38.620 | 8.470 | 39.420 | 8.320 | 40.520 | 8.260 | 42.020 | 7.560 |
| 42.020 | 8.360 | 43.920 | 8.350 | 46.510 | 7.540 | 46.510 | 6.780 |
| 46.510 | 6.040 | 48.610 | 5.800 | 50.610 | 5.900 | 53.610 | 5.860 |
| 58.600 | 5.580 | 63.600 | 5.560 | 68.600 | 5.560 | 73.590 | 5.540 |
| 78.590 | 5.500 | 83.580 | 5.400 | 88.580 | 5.350 | 93.580 | 5.280 |
| 98.570 | 5.220 | 103.570 | 5.160 | 108.560 | 5.100 | 113.560 | 5.060 |
| 118.560 | 4.980 | 123.550 | 4.950 | 128.550 | 4.860 | 133.540 | 4.920 |
| 138.540 | 5.160 | 143.540 | 5.350 | 148.530 | 5.480 | 153.530 | 5.820 |
| 158.520 | 6.360 | 160.420 | 6.780 | 162.720 | 7.150 | 163.570 | 7.590 |
| 163.570 | 7.800 | 163.570 | 7.590 | 165.120 | 8.470 | 166.420 | 8.840 |
| 169.370 | 9.570 | 172.720 | 10.210 | 174.920 | 10.330 | 177.120 | 9.560 |
| 180.920 | 9.530 | 181.520 | 9.300 | 183.720 | 9.230 | 184.920 | 8.770 |
| 186.120 | 8.800 | 186.920 | 9.090 | 188.120 | 9.170 | 188.820 | 8.950 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 191.320 | 9.030 | 192.520 | 9.130 | 194.920 | 9.000 | 197.220 | 9.450 |
| 199.920 | 10.340 | 203.020 | 10.650 | 205.870 | 10.280 | 208.220 | 9.520 |
| 210.020 | 9.530 | 211.920 | 9.710 | 214.520 | 10.140 | 217.720 | 10.450 |
| 219.120 | 10.680 | 222.260 | 12.170 | 223.050 | 12.200 | 241.840 | 12.360 |
| 241.840 | 12.460 | 242.300 | 12.460 | 247.520 | 15.090 | 250.450 | 15.140 |
| 250.920 | 15.230 | 254.570 | 17.040 | 255.580 | 17.040 | 258.850 | 19.100 |
| 259.120 | 19.280 | 259.120 | 19.890 | 259.120 | 19.280 | 259.510 | 19.500 |
| 259.640 | 19.570 | 259.870 | 19.570 | 262.920 | 19.590 | 265.720 | 19.550 |
| 266.120 | 19.550 | 271.320 | 17.160 | 272.520 | 17.040 | 272.790 | 16.550 |
| 277.040 | 16.460 | 282.120 | 13.650 | 282.510 | 13.590 | 282.730 | 13.220 |
| 283.820 | 13.130 | 285.420 | 13.080 | 285.670 | 12.990 | 285.670 | 12.740 |
| 285.520 | 12.740 | 285.520 | 10.840 | 285.950 | 10.850 | 289.120 | 11.160 |
| 290.920 | 11.420 | 294.720 | 12.270 | 299.520 | 12.260 | 307.320 | 12.260 |
| 48.2 | 0.000 | | | | 175 | 47 89 | 24 149 |
| -112.000 | 11.200 | -37.450 | 11.570 | -36.270 | 11.590 | -36.150 | 11.600 |
| -36.150 | 11.300 | -35.850 | 11.300 | -35.850 | 11.600 | -35.620 | 11.730 |
| -35.370 | 12.140 | -35.150 | 12.330 | -32.250 | 12.390 | -31.920 | 12.990 |
| -30.000 | 13.110 | -27.300 | 13.150 | -17.700 | 17.000 | -14.000 | 17.190 |
| -6.500 | 20.780 | -6.200 | 20.810 | -3.500 | 20.850 | -1.500 | 20.810 |
| -1.000 | 20.800 | -0.370 | 20.530 | 0.000 | 20.270 | 0.000 | 20.940 |
| 0.000 | 20.270 | 0.200 | 20.130 | 5.170 | 17.260 | 6.390 | 17.200 |
| 10.280 | 15.270 | 10.590 | 15.270 | 12.990 | 15.170 | 20.360 | 11.600 |
| 20.870 | 11.600 | 20.870 | 11.190 | 20.420 | 11.190 | 20.420 | 8.940 |
| 20.420 | 8.800 | 21.700 | 8.710 | 23.700 | 8.720 | 24.000 | 8.940 |
| 24.350 | 9.420 | 26.800 | 12.190 | 27.800 | 12.640 | 28.500 | 12.800 |
| 31.300 | 12.760 | 32.250 | 12.800 | 35.150 | 11.560 | 36.750 | 11.080 |
| 39.100 | 10.660 | 39.600 | 10.500 | 42.000 | 9.130 | 43.080 | 8.960 |
| 43.080 | 9.070 | 43.080 | 8.960 | 43.680 | 8.900 | 47.120 | 7.530 |
| 48.050 | 8.250 | 52.260 | 7.750 | 54.360 | 8.250 | 55.160 | 6.750 |
| 57.360 | 3.370 | 60.050 | 3.340 | 64.050 | 3.150 | 69.040 | 3.930 |
| 74.030 | 4.250 | 79.020 | 4.390 | 84.010 | 4.540 | 89.000 | 4.850 |
| 93.990 | 5.260 | 98.990 | 5.460 | 103.980 | 5.640 | 108.970 | 5.680 |
| 113.960 | 5.850 | 118.950 | 5.980 | 123.940 | 6.060 | 128.930 | 6.000 |
| 133.930 | 5.980 | 138.920 | 6.260 | 143.910 | 6.560 | 148.900 | 6.530 |
| 151.900 | 6.390 | 153.890 | 6.290 | 155.890 | 6.340 | 159.180 | 6.760 |
| 159.580 | 6.960 | 160.680 | 8.180 | 161.530 | 8.310 | 162.130 | 8.210 |
| 162.530 | 7.890 | 164.530 | 8.000 | 167.130 | 8.710 | 168.830 | 8.850 |
| 170.830 | 9.610 | 174.130 | 9.610 | 175.030 | 9.220 | 176.530 | 9.320 |
| 176.830 | 9.080 | 177.430 | 9.090 | 177.930 | 9.270 | 180.830 | 9.030 |
| 183.030 | 8.240 | 184.730 | 7.440 | 185.830 | 7.570 | 186.930 | 7.880 |
| 187.730 | 8.510 | 190.330 | 9.200 | 193.430 | 9.670 | 195.230 | 9.890 |
| 196.430 | 10.310 | 198.530 | 10.660 | 201.430 | 10.640 | 203.030 | 10.960 |
| 204.830 | 11.140 | 207.930 | 11.470 | 209.330 | 11.600 | 212.730 | 11.640 |
| 214.030 | 11.610 | 215.330 | 11.580 | 217.530 | 11.720 | 219.830 | 11.850 |
| 222.930 | 11.670 | 224.130 | 11.710 | 225.530 | 12.050 | 226.530 | 12.060 |
| 229.830 | 11.970 | 231.930 | 11.760 | 233.530 | 11.640 | 234.530 | 11.790 |
| 235.730 | 11.770 | 236.330 | 11.640 | 237.630 | 11.640 | 238.830 | 11.750 |
| 240.830 | 11.780 | 241.630 | 11.560 | 242.730 | 11.510 | 244.430 | 11.720 |
| 246.680 | 11.780 | 248.680 | 12.080 | 252.780 | 13.380 | 253.630 | 13.530 |
| 258.130 | 13.370 | 265.430 | 13.260 | 268.630 | 13.440 | 271.530 | 13.480 |
| 274.330 | 13.500 | 276.730 | 13.750 | 278.630 | 13.860 | 279.630 | 14.100 |
| 290.070 | 19.380 | 290.330 | 19.590 | 290.330 | 20.170 | 290.330 | 19.590 |
| 290.710 | 19.810 | 291.480 | 20.020 | 291.910 | 19.990 | 294.230 | 20.130 |
| 296.630 | 20.030 | 296.930 | 20.020 | 302.280 | 17.480 | 303.110 | 17.320 |
| 303.330 | 16.890 | 308.470 | 16.730 | 308.580 | 16.720 | 309.130 | 16.570 |
| 310.530 | 15.550 | 315.230 | 14.040 | 316.330 | 13.840 | 318.280 | 13.770 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 319.390 | 13.440 | 320.050 | 13.130 | 323.380 | 13.100 | 328.230 | 13.130 |
| 334.780 | 13.060 | 335.010 | 13.060 | 335.010 | 12.920 | | |
| 48.4 | 0.000 | | | | 169 | 51 111 | 28 145 |
| -45.650 | 11.460 | -40.900 | 11.930 | -40.350 | 11.930 | -39.000 | 11.960 |
| -38.850 | 11.960 | -38.850 | 11.820 | -38.350 | 11.840 | -34.750 | 12.100 |
| -32.930 | 12.150 | -31.120 | 12.170 | -30.720 | 12.980 | -28.400 | 13.090 |
| -20.350 | 17.120 | -20.100 | 17.090 | -19.940 | 17.180 | -17.450 | 17.230 |
| -14.450 | 17.270 | -13.950 | 17.320 | -13.750 | 17.770 | -13.200 | 17.810 |
| -7.000 | 20.930 | -6.400 | 20.920 | -4.000 | 20.930 | -1.600 | 20.840 |
| -0.800 | 20.780 | -0.550 | 20.590 | 0.000 | 20.310 | 0.000 | 20.710 |
| 0.000 | 20.310 | 0.510 | 20.050 | 5.350 | 17.440 | 6.550 | 17.390 |
| 10.590 | 15.390 | 15.810 | 15.280 | 17.000 | 15.260 | 24.390 | 11.800 |
| 24.640 | 11.810 | 24.900 | 11.830 | 24.900 | 10.400 | 24.820 | 9.280 |
| 24.820 | 9.130 | 25.700 | 8.980 | 27.500 | 8.970 | 27.800 | 9.050 |
| 27.950 | 9.300 | 28.300 | 9.980 | 29.000 | 10.380 | 35.100 | 14.690 |
| 36.600 | 14.590 | 39.200 | 14.470 | 40.450 | 14.470 | 42.720 | 13.810 |
| 44.500 | 12.980 | 47.800 | 12.260 | 52.300 | 11.020 | 55.000 | 10.290 |
| 56.320 | 9.730 | 56.320 | 9.880 | 56.320 | 9.730 | 58.770 | 8.800 |
| 61.730 | 7.920 | 61.730 | 8.520 | 66.010 | 8.290 | 68.410 | 6.790 |
| 70.500 | 5.050 | 76.300 | 5.140 | 81.290 | 5.470 | 86.290 | 5.750 |
| 91.280 | 5.990 | 96.280 | 6.070 | 101.270 | 6.290 | 106.270 | 6.370 |
| 111.260 | 6.540 | 116.250 | 6.510 | 121.250 | 6.400 | 126.240 | 6.300 |
| 131.240 | 6.130 | 136.230 | 6.100 | 141.230 | 6.150 | 146.220 | 6.180 |
| 151.220 | 6.260 | 156.210 | 6.200 | 161.200 | 6.200 | 166.200 | 6.270 |
| 171.190 | 6.390 | 177.890 | 6.780 | 182.380 | 6.860 | 187.870 | 6.790 |
| 191.170 | 6.740 | 195.170 | 6.760 | 197.160 | 6.690 | 202.160 | 6.410 |
| 203.160 | 6.310 | 205.750 | 6.810 | 209.450 | 7.500 | 209.450 | 7.770 |
| 209.450 | 7.500 | 210.150 | 7.610 | 211.800 | 8.750 | 213.600 | 9.100 |
| 214.700 | 9.300 | 215.200 | 9.310 | 215.700 | 9.220 | 216.800 | 9.260 |
| 218.700 | 9.260 | 221.200 | 9.250 | 223.400 | 9.290 | 226.600 | 9.430 |
| 227.800 | 9.610 | 230.400 | 10.080 | 232.200 | 10.640 | 237.800 | 10.890 |
| 242.200 | 10.880 | 245.200 | 11.040 | 249.300 | 11.340 | 251.000 | 11.270 |
| 255.900 | 11.320 | 262.500 | 11.410 | 266.800 | 11.430 | 272.600 | 11.600 |
| 275.900 | 11.700 | 280.600 | 11.750 | 282.600 | 11.670 | 287.400 | 11.760 |
| 291.700 | 11.790 | 293.200 | 11.850 | 294.700 | 11.990 | 296.200 | 12.640 |
| 296.750 | 12.640 | 297.400 | 12.360 | 299.050 | 12.410 | 301.900 | 12.830 |
| 303.100 | 13.210 | 306.100 | 13.540 | 310.200 | 13.440 | 315.300 | 13.600 |
| 321.300 | 13.820 | 326.200 | 14.090 | 328.400 | 14.130 | 330.100 | 14.180 |
| 340.660 | 19.290 | 341.000 | 19.460 | 341.000 | 19.920 | 341.000 | 19.460 |
| 341.340 | 19.630 | 342.850 | 20.200 | 343.600 | 20.250 | 345.700 | 20.400 |
| 347.900 | 20.320 | 348.200 | 20.300 | 349.750 | 19.360 | 353.100 | 17.820 |
| 353.900 | 17.730 | 354.140 | 17.140 | 359.070 | 16.960 | 359.300 | 16.950 |
| 361.100 | 15.880 | 365.500 | 14.100 | 366.150 | 13.850 | 369.300 | 13.850 |
| 371.370 | 13.380 | 373.300 | 13.470 | 376.300 | 14.220 | 380.000 | 14.550 |
| 382.400 | 14.720 | 383.300 | 14.510 | 386.150 | 14.450 | 388.570 | 14.530 |
| 388.570 | 14.420 | | | | | | |
| 48.6 | 0.000 | | | | 175 | 62 109 | 41 146 |
| -101.860 | 11.240 | -95.300 | 11.180 | -91.200 | 11.150 | -89.100 | 10.870 |
| -88.530 | 10.870 | -85.900 | 10.960 | -84.090 | 10.890 | -83.500 | 10.890 |
| -83.460 | 10.870 | -80.600 | 10.960 | -74.150 | 10.970 | -70.480 | 11.020 |
| -65.900 | 11.060 | -60.300 | 11.000 | -54.300 | 11.090 | -46.130 | 11.410 |
| -45.900 | 11.680 | -44.500 | 12.840 | -42.520 | 12.830 | -42.150 | 11.900 |
| -39.580 | 11.890 | -39.430 | 12.000 | -38.820 | 12.000 | -37.450 | 12.080 |
| -37.250 | 12.080 | -37.250 | 11.940 | -36.750 | 11.960 | -35.550 | 11.990 |
| -33.200 | 12.110 | -29.700 | 12.130 | -29.120 | 13.080 | -28.200 | 13.150 |
| -17.800 | 17.330 | -14.800 | 17.560 | -7.900 | 21.080 | -7.250 | 21.050 |

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|----------|--------|----------|--------|----------|--------|----------|--------|
| -4.700 | 21.060 | -2.300 | 20.950 | -1.750 | 20.890 | -1.000 | 20.460 |
| -1.000 | 20.910 | -1.000 | 20.460 | 1.480 | 19.110 | 4.020 | 17.570 |
| 5.230 | 17.540 | 9.270 | 15.560 | 9.570 | 15.560 | 13.010 | 15.410 |
| 20.270 | 11.980 | 20.790 | 11.970 | 20.790 | 11.660 | 20.690 | 11.660 |
| 20.690 | 9.850 | 20.690 | 9.610 | 21.900 | 9.560 | 23.200 | 9.600 |
| 23.500 | 9.840 | 24.200 | 10.120 | 30.100 | 14.480 | 31.900 | 14.980 |
| 35.000 | 15.040 | 40.350 | 14.970 | 43.100 | 14.190 | 46.500 | 12.840 |
| 49.000 | 12.120 | 50.900 | 11.250 | 51.850 | 10.860 | 54.000 | 9.500 |
| 55.490 | 8.720 | 55.690 | 8.600 | 59.890 | 8.410 | 63.330 | 8.320 |
| 65.780 | 8.930 | 67.730 | 8.530 | 70.280 | 6.810 | 70.980 | 6.290 |
| 75.470 | 5.930 | 80.470 | 5.900 | 85.460 | 6.030 | 90.460 | 5.950 |
| 95.450 | 6.030 | 100.450 | 6.550 | 104.950 | 6.710 | 110.440 | 6.810 |
| 114.940 | 6.860 | 116.940 | 6.930 | 117.930 | 6.870 | 120.430 | 6.390 |
| 125.430 | 6.160 | 130.420 | 6.280 | 135.420 | 6.320 | 140.410 | 6.090 |
| 145.410 | 6.160 | 150.410 | 6.170 | 155.400 | 6.190 | 160.400 | 6.270 |
| 165.390 | 6.270 | 170.390 | 6.800 | 175.380 | 6.420 | 179.880 | 6.540 |
| 184.570 | 6.900 | 189.360 | 7.940 | 189.360 | 8.120 | 189.360 | 7.940 |
| 191.100 | 8.070 | 193.300 | 8.290 | 199.700 | 9.830 | 203.500 | 10.160 |
| 207.600 | 10.470 | 210.500 | 10.540 | 216.300 | 10.570 | 219.000 | 10.750 |
| 222.700 | 10.840 | 226.700 | 10.950 | 233.600 | 11.130 | 241.000 | 11.260 |
| 247.800 | 11.390 | 252.100 | 11.600 | 254.100 | 11.470 | 259.300 | 11.510 |
| 264.600 | 11.680 | 265.300 | 11.890 | 265.900 | 11.900 | 267.800 | 11.690 |
| 272.300 | 11.710 | 276.400 | 11.740 | 277.700 | 11.850 | 281.700 | 11.920 |
| 286.300 | 11.800 | 292.700 | 11.810 | 301.200 | 12.130 | 307.100 | 12.350 |
| 310.600 | 12.400 | 313.000 | 12.530 | 314.300 | 12.940 | 316.600 | 13.120 |
| 317.900 | 13.250 | 323.100 | 13.460 | 328.100 | 13.660 | 332.400 | 13.780 |
| 334.600 | 13.770 | 336.500 | 13.890 | 340.650 | 15.200 | 348.850 | 19.520 |
| 351.000 | 20.090 | 351.000 | 20.580 | 351.000 | 20.090 | 351.260 | 20.190 |
| 351.600 | 20.310 | 352.200 | 20.290 | 353.000 | 20.380 | 355.850 | 20.330 |
| 356.400 | 20.230 | 359.350 | 20.090 | 360.800 | 19.340 | 363.350 | 17.790 |
| 363.900 | 17.730 | 364.200 | 17.230 | 368.500 | 17.040 | 369.100 | 16.860 |
| 369.350 | 16.560 | 370.750 | 15.730 | 375.400 | 13.940 | 377.200 | 13.790 |
| 378.000 | 13.780 | 380.200 | 13.240 | 381.200 | 13.190 | 382.650 | 12.810 |
| 382.970 | 12.340 | 383.300 | 11.690 | 384.000 | 11.660 | 384.500 | 12.330 |
| 384.950 | 12.340 | 385.300 | 12.410 | 393.300 | 12.650 | | |
| 48.8 | 0.000 | | | | 166 | 51 84 | 31 135 |
| -108.970 | 12.770 | -106.430 | 12.770 | -105.940 | 12.730 | -105.600 | 12.780 |
| -104.640 | 12.840 | -104.210 | 13.540 | -103.100 | 13.580 | -98.780 | 13.760 |
| -98.420 | 14.280 | -96.700 | 14.380 | -87.900 | 17.180 | -86.300 | 17.660 |
| -86.100 | 17.650 | -82.000 | 17.660 | -78.900 | 17.690 | -78.250 | 17.830 |
| -72.180 | 20.580 | -71.600 | 20.690 | -71.100 | 20.890 | -70.820 | 21.130 |
| -70.250 | 21.190 | -66.360 | 21.230 | -64.530 | 21.230 | -64.300 | 21.140 |
| -63.800 | 21.130 | -62.550 | 20.950 | -62.350 | 20.810 | -62.000 | 20.670 |
| -62.000 | 21.190 | -62.000 | 20.670 | -61.720 | 20.520 | -53.760 | 17.760 |
| -53.560 | 17.750 | -51.630 | 17.100 | -51.140 | 17.100 | -49.400 | 16.980 |
| -42.450 | 16.340 | -38.490 | 14.320 | -38.190 | 14.320 | -34.550 | 14.130 |
| -31.970 | 12.970 | -28.950 | 12.670 | -22.350 | 12.180 | -17.200 | 11.890 |
| -13.900 | 11.460 | -6.400 | 10.650 | -3.500 | 10.480 | 0.200 | 10.220 |
| 2.500 | 10.140 | 6.600 | 9.790 | 8.200 | 9.280 | 9.350 | 9.050 |
| 9.350 | 9.190 | 9.350 | 9.050 | 12.370 | 8.410 | 12.370 | 9.410 |
| 14.600 | 8.770 | 17.540 | 7.110 | 19.940 | 5.780 | 24.340 | 5.040 |
| 29.330 | 5.320 | 34.330 | 5.610 | 39.320 | 5.650 | 44.320 | 5.540 |
| 49.320 | 6.000 | 54.310 | 6.360 | 60.210 | 7.150 | 64.900 | 7.780 |
| 69.000 | 8.170 | 81.290 | 8.470 | 88.680 | 8.480 | 92.280 | 7.130 |
| 94.080 | 6.710 | 99.270 | 6.610 | 104.270 | 6.530 | 109.270 | 6.530 |
| 114.260 | 6.470 | 119.260 | 6.530 | 124.250 | 6.510 | 129.250 | 6.490 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 134.250 | 6.450 | 140.540 | 7.140 | 147.930 | 8.470 | 151.680 | 8.910 |
| 151.680 | 9.160 | 151.680 | 8.910 | 154.980 | 9.280 | 159.380 | 9.550 |
| 167.280 | 9.540 | 169.780 | 9.700 | 177.580 | 9.900 | 184.080 | 10.050 |
| 192.080 | 10.240 | 196.180 | 10.460 | 199.280 | 10.450 | 204.580 | 10.490 |
| 209.080 | 10.540 | 209.880 | 10.620 | 211.980 | 10.770 | 212.680 | 10.590 |
| 214.380 | 10.570 | 216.380 | 10.690 | 217.180 | 10.880 | 218.280 | 10.950 |
| 218.780 | 11.120 | 219.580 | 11.130 | 220.680 | 10.980 | 221.980 | 10.860 |
| 222.680 | 10.610 | 225.180 | 10.610 | 226.080 | 10.910 | 228.480 | 10.840 |
| 230.580 | 10.970 | 231.380 | 11.140 | 234.280 | 11.360 | 236.680 | 11.680 |
| 238.980 | 11.930 | 241.580 | 12.470 | 244.380 | 13.380 | 244.880 | 13.500 |
| 249.780 | 13.500 | 260.480 | 13.490 | 266.580 | 13.590 | 273.780 | 13.670 |
| 277.180 | 13.780 | 279.580 | 13.830 | 282.880 | 14.150 | 285.780 | 15.110 |
| 289.280 | 15.180 | 289.780 | 15.760 | 297.080 | 19.640 | 297.580 | 19.820 |
| 297.580 | 20.240 | 297.580 | 19.820 | 298.080 | 20.020 | 299.380 | 20.590 |
| 299.680 | 20.560 | 302.080 | 20.560 | 304.480 | 20.400 | 304.780 | 20.360 |
| 309.980 | 18.080 | 310.630 | 17.960 | 310.830 | 17.470 | 315.780 | 17.160 |
| 316.180 | 17.060 | 317.780 | 16.130 | 320.680 | 14.790 | 321.030 | 14.470 |
| 322.130 | 14.470 | 322.530 | 14.290 | 323.780 | 14.230 | 325.580 | 14.040 |
| 326.600 | 13.940 | 328.080 | 13.290 | 330.080 | 12.610 | 330.600 | 12.600 |
| 332.080 | 12.470 | 333.230 | 12.460 | 333.830 | 12.590 | 333.830 | 13.210 |
| 335.330 | 13.210 | 335.330 | 12.600 | 337.980 | 12.570 | 344.380 | 12.450 |
| 346.380 | 12.300 | 346.880 | 12.110 | | | | |
| 49.0 | 0.000 | | | | 181 | 94 137 | 71 152 |
| -108.100 | 12.350 | -93.200 | 12.210 | -92.870 | 12.190 | -91.780 | 12.190 |
| -90.500 | 12.280 | -86.500 | 12.260 | -86.100 | 12.230 | -85.000 | 12.220 |
| -84.700 | 12.230 | -84.700 | 12.780 | -84.550 | 12.780 | -84.550 | 12.380 |
| -83.500 | 12.380 | -69.100 | 12.390 | -69.000 | 12.390 | -69.000 | 12.960 |
| -68.900 | 12.960 | -68.900 | 12.520 | -66.600 | 12.400 | -58.600 | 12.310 |
| -50.620 | 12.430 | -48.600 | 12.320 | -48.300 | 12.380 | -48.000 | 12.380 |
| -47.600 | 12.350 | -43.100 | 12.370 | -42.750 | 12.410 | -40.530 | 12.590 |
| -34.980 | 12.600 | -33.650 | 12.590 | -33.220 | 12.580 | -33.100 | 12.640 |
| -33.100 | 13.370 | -31.300 | 13.770 | -29.980 | 13.810 | -28.250 | 14.060 |
| -27.900 | 14.160 | -26.740 | 14.310 | -26.380 | 14.450 | -26.130 | 14.860 |
| -24.800 | 15.360 | -23.900 | 16.010 | -23.410 | 16.020 | -21.370 | 16.050 |
| -21.370 | 16.210 | -20.500 | 16.270 | -20.340 | 16.560 | -17.610 | 17.150 |
| -17.610 | 17.350 | -17.510 | 17.350 | -17.510 | 17.020 | -17.200 | 17.020 |
| -17.200 | 17.420 | -16.230 | 17.690 | -15.630 | 18.030 | -15.500 | 18.080 |
| -15.400 | 18.080 | -15.300 | 18.050 | -14.820 | 18.040 | -12.680 | 18.110 |
| -8.900 | 20.080 | -6.700 | 21.120 | -6.500 | 21.170 | -6.100 | 21.210 |
| -4.200 | 21.250 | -1.560 | 21.170 | -1.420 | 21.070 | -1.100 | 20.980 |
| -0.550 | 20.740 | 0.000 | 20.470 | 0.000 | 20.950 | 0.000 | 20.470 |
| 0.550 | 20.170 | 4.740 | 18.130 | 4.970 | 18.130 | 4.970 | 18.020 |
| 5.950 | 17.910 | 13.020 | 14.440 | 15.980 | 14.420 | 22.510 | 11.300 |
| 24.000 | 11.010 | 29.300 | 10.710 | 33.800 | 10.870 | 35.100 | 11.050 |
| 39.900 | 11.180 | 43.700 | 11.000 | 46.200 | 11.120 | 47.700 | 10.900 |
| 50.900 | 10.980 | 51.800 | 10.800 | 54.200 | 10.880 | 54.900 | 11.170 |
| 60.200 | 10.850 | 62.800 | 10.350 | 64.700 | 9.460 | 64.700 | 9.620 |
| 64.700 | 9.460 | 66.350 | 8.790 | 66.850 | 8.980 | 71.140 | 8.230 |
| 72.640 | 7.130 | 74.840 | 5.430 | 78.130 | 5.490 | 81.130 | 5.600 |
| 83.130 | 5.650 | 86.120 | 6.090 | 89.120 | 6.740 | 91.110 | 6.950 |
| 94.310 | 7.170 | 96.110 | 7.260 | 106.090 | 7.560 | 116.080 | 7.740 |
| 126.070 | 7.930 | 136.050 | 8.140 | 146.040 | 8.180 | 156.030 | 8.360 |
| 166.010 | 8.460 | 176.000 | 8.710 | 176.000 | 8.980 | 176.000 | 8.710 |
| 183.350 | 8.890 | 190.350 | 8.950 | 192.350 | 8.870 | 195.350 | 8.890 |
| 204.350 | 9.020 | 210.850 | 8.880 | 212.350 | 8.960 | 222.850 | 8.830 |
| 224.150 | 8.750 | 231.150 | 8.810 | 235.650 | 8.660 | 238.550 | 8.540 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 239.800 | 8.800 | 242.750 | 10.580 | 245.350 | 11.470 | 246.950 | 12.220 |
| 248.950 | 12.400 | 252.650 | 12.540 | 254.850 | 12.570 | 257.100 | 13.370 |
| 260.980 | 13.510 | 265.350 | 13.750 | 271.050 | 13.930 | 273.850 | 14.040 |
| 279.600 | 14.370 | 281.320 | 14.410 | 285.520 | 16.480 | 286.510 | 16.520 |
| 288.050 | 16.760 | 294.750 | 19.860 | 295.350 | 20.120 | 295.350 | 20.660 |
| 295.350 | 20.120 | 295.900 | 20.360 | 296.950 | 20.870 | 297.250 | 20.870 |
| 299.350 | 20.900 | 301.600 | 20.750 | 301.900 | 20.740 | 305.100 | 19.110 |
| 305.700 | 18.960 | 305.930 | 18.330 | 312.750 | 18.060 | 313.350 | 18.100 |
| 314.250 | 17.720 | 316.080 | 16.360 | 319.600 | 14.780 | 320.750 | 14.460 |
| 322.850 | 14.250 | 323.650 | 14.080 | 324.850 | 13.560 | 325.950 | 13.380 |
| 326.230 | 13.300 | 326.230 | 13.150 | 326.380 | 13.150 | 326.380 | 13.040 |
| 327.200 | 12.720 | 327.680 | 12.740 | 333.850 | 12.710 | 334.450 | 12.630 |
| 344.550 | 12.480 | | | | | | |
| 49.2 | 0.000 | | | | 148 | 61 101 | 31 113 |
| -46.410 | 13.650 | -45.840 | 13.650 | -45.840 | 13.500 | -45.240 | 13.470 |
| -45.090 | 13.470 | -45.090 | 13.760 | -44.940 | 13.760 | -44.890 | 13.600 |
| -41.800 | 13.900 | -39.320 | 14.110 | -36.700 | 14.180 | -36.370 | 14.180 |
| -36.190 | 14.210 | -33.050 | 14.230 | -28.800 | 14.250 | -28.190 | 14.280 |
| -28.050 | 14.280 | -27.650 | 14.320 | -27.360 | 14.360 | -23.930 | 14.590 |
| -23.530 | 15.290 | -23.030 | 15.280 | -16.400 | 17.940 | -13.350 | 18.070 |
| -6.200 | 21.520 | -4.100 | 21.570 | -1.650 | 21.510 | -1.450 | 21.490 |
| -0.290 | 20.920 | 0.000 | 20.770 | 0.000 | 21.330 | 0.000 | 20.770 |
| 0.580 | 20.620 | 0.900 | 20.400 | 4.570 | 18.330 | 4.770 | 18.330 |
| 4.770 | 18.230 | 5.790 | 18.120 | 12.830 | 14.670 | 13.080 | 14.660 |
| 18.900 | 14.240 | 21.650 | 12.870 | 23.050 | 12.710 | 25.500 | 12.580 |
| 31.400 | 12.550 | 31.700 | 12.490 | 32.000 | 12.490 | 32.400 | 12.610 |
| 41.200 | 12.490 | 41.700 | 12.570 | 50.200 | 12.530 | 63.400 | 12.390 |
| 70.000 | 12.340 | 70.400 | 12.210 | 70.500 | 12.190 | 70.900 | 12.260 |
| 75.800 | 12.230 | 79.500 | 12.060 | 86.200 | 11.750 | 87.000 | 11.540 |
| 91.100 | 11.450 | 95.500 | 10.990 | 100.400 | 10.520 | 102.400 | 9.690 |
| 103.400 | 9.520 | 103.400 | 9.700 | 103.400 | 9.520 | 106.000 | 9.080 |
| 111.400 | 8.840 | 120.500 | 8.640 | 130.700 | 8.220 | 135.000 | 8.010 |
| 140.000 | 7.820 | 145.000 | 7.590 | 150.000 | 7.430 | 155.000 | 7.250 |
| 160.000 | 7.150 | 165.000 | 7.090 | 170.000 | 7.090 | 175.000 | 7.100 |
| 179.990 | 7.140 | 184.990 | 7.170 | 189.990 | 7.130 | 194.990 | 7.070 |
| 199.990 | 7.200 | 204.990 | 7.150 | 209.990 | 7.470 | 214.990 | 7.530 |
| 219.990 | 7.650 | 224.990 | 7.650 | 229.990 | 7.770 | 233.190 | 8.180 |
| 234.990 | 9.580 | 236.790 | 9.710 | 239.790 | 9.880 | 241.370 | 8.960 |
| 241.370 | 8.740 | 247.300 | 11.680 | 250.000 | 11.860 | 251.000 | 11.910 |
| 256.990 | 14.600 | 265.500 | 15.040 | 265.500 | 15.140 | 266.620 | 15.240 |
| 269.580 | 16.670 | 271.190 | 16.730 | 273.920 | 18.040 | 273.920 | 18.160 |
| 274.170 | 18.270 | 274.690 | 18.330 | 278.430 | 19.990 | 278.990 | 20.250 |
| 278.990 | 20.760 | 278.990 | 20.250 | 279.560 | 20.490 | 280.390 | 20.890 |
| 280.840 | 20.920 | 281.290 | 20.990 | 283.290 | 21.030 | 285.540 | 20.910 |
| 285.890 | 20.900 | 289.360 | 19.270 | 290.690 | 18.730 | 291.540 | 18.570 |
| 291.720 | 18.120 | 296.540 | 18.000 | 296.790 | 17.980 | 297.390 | 17.740 |
| 300.010 | 16.210 | 302.790 | 15.070 | 304.330 | 14.720 | 305.990 | 14.620 |
| 307.390 | 14.520 | 310.090 | 13.410 | 310.990 | 13.120 | 311.420 | 13.100 |
| 311.570 | 13.100 | 311.570 | 13.000 | 311.690 | 13.000 | 311.690 | 12.850 |
| 312.550 | 12.350 | 312.750 | 12.350 | 312.850 | 12.480 | 320.140 | 12.550 |
| 322.190 | 12.540 | 322.190 | 12.330 | 325.190 | 12.450 | 326.390 | 12.530 |
| 49.4 | 0.000 | | | | 159 | 74 114 | 41 129 |
| -104.200 | 14.100 | -85.500 | 14.180 | -82.800 | 14.200 | -63.950 | 14.440 |
| -63.800 | 14.440 | -57.200 | 14.410 | -56.400 | 14.380 | -53.600 | 14.380 |
| -48.710 | 14.440 | -44.210 | 14.440 | -43.720 | 14.440 | -43.720 | 14.760 |
| -43.600 | 14.760 | -43.600 | 14.610 | -38.400 | 14.600 | -38.400 | 14.560 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| -36.680 | 14.550 | -36.680 | 14.700 | -36.530 | 14.700 | -36.530 | 14.600 |
| -36.450 | 14.600 | -30.820 | 14.810 | -28.870 | 14.700 | -28.580 | 14.700 |
| -28.350 | 14.710 | -28.350 | 14.830 | -27.970 | 15.190 | -27.480 | 15.190 |
| -24.150 | 15.340 | -23.950 | 15.740 | -23.350 | 15.770 | -17.550 | 18.140 |
| -14.270 | 18.350 | -7.000 | 21.890 | -6.600 | 21.900 | -4.000 | 21.970 |
| -1.850 | 21.930 | -1.600 | 21.880 | -0.350 | 21.340 | 0.000 | 21.140 |
| 0.000 | 21.750 | 0.000 | 21.140 | 0.210 | 20.960 | 2.100 | 20.000 |
| 4.000 | 18.840 | 4.580 | 18.570 | 4.580 | 18.460 | 5.600 | 18.350 |
| 12.100 | 15.150 | 14.200 | 15.100 | 14.800 | 14.980 | 19.200 | 14.840 |
| 27.000 | 14.780 | 27.450 | 14.590 | 27.650 | 14.590 | 28.650 | 14.430 |
| 30.250 | 13.640 | 31.400 | 13.320 | 35.300 | 13.300 | 41.000 | 13.160 |
| 49.100 | 13.120 | 57.800 | 13.170 | 70.000 | 13.060 | 78.200 | 12.800 |
| 85.500 | 12.650 | 87.600 | 12.350 | 91.600 | 12.220 | 95.800 | 11.740 |
| 98.000 | 11.670 | 99.600 | 11.480 | 102.800 | 11.320 | 105.900 | 11.310 |
| 106.900 | 11.500 | 109.740 | 11.500 | 111.000 | 11.340 | 112.700 | 11.000 |
| 116.100 | 10.300 | 117.160 | 10.150 | 117.160 | 10.380 | 117.160 | 10.150 |
| 118.620 | 9.990 | 120.520 | 9.940 | 130.510 | 9.900 | 140.500 | 9.820 |
| 150.490 | 9.670 | 160.480 | 9.540 | 170.460 | 9.340 | 180.450 | 9.050 |
| 190.440 | 8.600 | 197.440 | 8.230 | 200.430 | 8.060 | 205.430 | 7.750 |
| 210.420 | 7.520 | 215.420 | 7.450 | 220.410 | 7.330 | 225.410 | 7.210 |
| 230.400 | 7.160 | 235.400 | 6.840 | 240.390 | 5.840 | 245.390 | 4.840 |
| 248.380 | 6.190 | 251.380 | 6.740 | 255.380 | 7.420 | 257.370 | 8.240 |
| 260.370 | 9.480 | 262.730 | 9.300 | 264.430 | 9.690 | 266.030 | 9.850 |
| 266.930 | 9.830 | 269.030 | 9.790 | 270.730 | 10.240 | 272.330 | 9.550 |
| 272.330 | 9.230 | 277.700 | 11.780 | 280.470 | 11.950 | 281.510 | 12.020 |
| 283.090 | 12.710 | 285.200 | 13.810 | 287.890 | 13.960 | 288.400 | 13.960 |
| 294.680 | 16.950 | 296.340 | 17.010 | 299.130 | 18.330 | 299.130 | 18.450 |
| 299.390 | 18.560 | 302.410 | 20.360 | 302.410 | 20.470 | 302.730 | 20.610 |
| 302.730 | 21.190 | 302.730 | 20.610 | 303.110 | 20.790 | 303.430 | 21.060 |
| 304.030 | 21.220 | 304.330 | 21.240 | 306.730 | 21.260 | 308.930 | 21.140 |
| 309.380 | 21.160 | 313.630 | 19.010 | 314.430 | 18.810 | 315.010 | 18.710 |
| 315.180 | 18.230 | 320.530 | 18.130 | 320.830 | 18.070 | 322.430 | 16.780 |
| 328.210 | 14.530 | 330.880 | 14.370 | 333.130 | 13.530 | 336.060 | 12.300 |
| 336.460 | 12.280 | 336.610 | 12.360 | 336.610 | 12.240 | 336.730 | 12.240 |
| 336.730 | 12.080 | 337.060 | 11.920 | 338.010 | 12.040 | 339.430 | 12.580 |
| 343.430 | 12.600 | 345.530 | 12.640 | 349.030 | 12.580 | | |
| 49.6 | 0.000 | | | | 154 | 55 112 | 26 123 |
| -103.000 | 14.050 | -80.000 | 14.020 | -35.500 | 14.100 | -33.550 | 14.100 |
| -28.950 | 14.110 | -28.550 | 14.070 | -28.550 | 13.770 | -28.250 | 13.770 |
| -28.250 | 14.080 | -28.110 | 14.080 | -27.800 | 14.750 | -26.300 | 14.790 |
| -25.090 | 15.140 | -17.900 | 18.200 | -17.350 | 18.170 | -14.270 | 18.220 |
| -14.200 | 18.410 | -13.750 | 18.470 | -8.470 | 21.650 | -7.950 | 21.700 |
| -4.000 | 21.810 | -1.400 | 21.740 | -0.900 | 21.630 | -0.380 | 21.390 |
| 0.000 | 21.230 | 0.000 | 21.790 | 0.000 | 21.230 | 0.370 | 21.040 |
| 4.880 | 18.720 | 5.080 | 18.720 | 5.080 | 18.610 | 6.100 | 18.530 |
| 13.000 | 15.130 | 15.300 | 15.030 | 23.300 | 14.940 | 31.200 | 14.830 |
| 33.700 | 14.870 | 33.930 | 14.800 | 33.930 | 14.690 | 34.940 | 14.650 |
| 37.630 | 13.340 | 40.800 | 13.200 | 46.200 | 12.980 | 51.900 | 12.900 |
| 55.200 | 13.090 | 62.900 | 12.890 | 72.700 | 13.010 | 80.000 | 13.030 |
| 89.500 | 13.050 | 91.900 | 12.940 | 99.900 | 12.830 | 108.800 | 12.860 |
| 117.600 | 12.770 | 121.900 | 12.760 | 123.100 | 12.870 | 124.150 | 12.760 |
| 129.100 | 11.410 | 133.200 | 10.280 | 133.200 | 10.550 | 133.200 | 10.280 |
| 134.900 | 9.780 | 143.190 | 9.800 | 153.190 | 9.860 | 163.180 | 9.750 |
| 173.180 | 9.580 | 183.170 | 9.430 | 193.160 | 9.380 | 203.160 | 9.240 |
| 213.150 | 9.160 | 223.150 | 8.960 | 233.140 | 8.640 | 239.440 | 8.270 |
| 241.430 | 7.820 | 242.430 | 7.250 | 243.430 | 6.620 | 244.430 | 6.170 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 245.430 | 6.020 | 246.430 | 5.920 | 247.430 | 5.870 | 248.430 | 5.870 |
| 249.430 | 5.970 | 251.430 | 5.720 | 253.430 | 5.790 | 255.430 | 6.100 |
| 256.430 | 6.200 | 257.430 | 6.660 | 257.430 | 7.360 | 260.420 | 8.920 |
| 267.720 | 8.810 | 267.720 | 7.560 | 268.620 | 7.720 | 270.820 | 7.860 |
| 273.620 | 7.850 | 277.210 | 7.890 | 279.810 | 7.860 | 281.510 | 7.720 |
| 281.810 | 7.620 | 281.810 | 8.260 | 281.810 | 9.070 | 287.110 | 9.320 |
| 287.110 | 8.520 | 288.510 | 8.760 | 293.100 | 9.190 | 298.300 | 9.490 |
| 298.900 | 9.650 | 299.800 | 9.570 | 300.550 | 9.910 | 304.270 | 10.330 |
| 304.270 | 10.440 | 304.820 | 10.460 | 310.290 | 13.100 | 311.870 | 13.940 |
| 314.470 | 14.080 | 314.870 | 14.100 | 321.130 | 17.070 | 322.560 | 17.140 |
| 325.280 | 18.460 | 325.280 | 18.580 | 325.530 | 18.700 | 325.980 | 18.800 |
| 329.910 | 20.730 | 330.380 | 20.920 | 330.380 | 21.390 | 330.380 | 20.920 |
| 330.900 | 21.120 | 332.030 | 21.730 | 332.480 | 21.750 | 334.880 | 21.840 |
| 337.330 | 21.740 | 337.480 | 21.790 | 338.180 | 21.660 | 343.680 | 19.350 |
| 344.400 | 19.220 | 344.550 | 18.830 | 349.580 | 18.660 | 350.080 | 18.600 |
| 351.580 | 17.370 | 358.830 | 14.540 | 359.580 | 14.440 | 361.810 | 14.450 |
| 362.980 | 14.360 | 364.350 | 13.490 | 364.540 | 13.500 | 364.690 | 13.500 |
| 364.690 | 13.380 | 364.810 | 13.380 | 364.810 | 13.230 | 365.420 | 13.000 |
| 366.350 | 12.980 | 366.730 | 13.020 | 369.380 | 13.030 | 370.730 | 13.280 |
| 375.130 | 13.320 | 380.280 | 13.290 | | | | |
| 49.8 | 0.000 | | | | 169 | 73 126 | 66 136 |
| -102.000 | 14.570 | -99.550 | 14.570 | -96.950 | 14.570 | -96.950 | 16.470 |
| -96.850 | 16.470 | -96.850 | 14.470 | -96.800 | 14.470 | -96.800 | 14.370 |
| -96.750 | 14.370 | -96.750 | 14.070 | -96.450 | 14.070 | -96.450 | 14.370 |
| -96.400 | 14.370 | -96.400 | 14.470 | -96.350 | 14.470 | -91.450 | 14.470 |
| -91.400 | 14.470 | -91.400 | 14.370 | -91.350 | 14.370 | -91.350 | 14.070 |
| -91.050 | 14.070 | -91.050 | 14.370 | -91.000 | 14.370 | -91.000 | 14.470 |
| -90.950 | 14.470 | -90.150 | 14.520 | -72.550 | 14.620 | -69.650 | 14.620 |
| -64.150 | 14.620 | -58.450 | 14.770 | -51.350 | 14.660 | -46.450 | 14.840 |
| -45.850 | 14.840 | -37.450 | 14.880 | -36.050 | 14.880 | -36.050 | 15.090 |
| -35.950 | 15.090 | -35.850 | 15.090 | -35.850 | 14.830 | -35.650 | 14.810 |
| -35.550 | 14.810 | -35.550 | 14.710 | -35.500 | 14.710 | -35.500 | 14.410 |
| -35.200 | 14.410 | -35.200 | 14.710 | -35.150 | 14.710 | -35.150 | 14.810 |
| -35.050 | 14.810 | -30.820 | 15.000 | -25.550 | 15.100 | -25.350 | 15.490 |
| -24.950 | 15.550 | -23.550 | 15.570 | -17.550 | 17.980 | -16.650 | 18.040 |
| -13.950 | 18.060 | -13.950 | 18.190 | -13.650 | 18.220 | -7.050 | 21.750 |
| -6.650 | 21.840 | -6.150 | 21.880 | -1.600 | 21.830 | -1.100 | 21.720 |
| 0.000 | 21.260 | 0.000 | 21.820 | 0.000 | 21.260 | 5.300 | 18.890 |
| 5.500 | 18.890 | 5.500 | 18.780 | 6.500 | 18.700 | 13.000 | 15.280 |
| 40.600 | 14.950 | 40.800 | 14.950 | 40.800 | 14.840 | 45.570 | 12.990 |
| 74.170 | 12.530 | 113.770 | 11.860 | 122.670 | 11.420 | 132.670 | 9.950 |
| 146.570 | 9.870 | 173.060 | 9.310 | 173.060 | 9.480 | 173.060 | 9.310 |
| 185.760 | 9.020 | 188.060 | 8.970 | 193.060 | 8.770 | 198.060 | 8.680 |
| 203.060 | 8.430 | 208.060 | 8.280 | 213.060 | 8.180 | 218.060 | 8.030 |
| 223.060 | 7.830 | 228.060 | 7.730 | 231.060 | 7.830 | 231.060 | 8.930 |
| 232.660 | 9.030 | 232.660 | 9.190 | 240.360 | 9.150 | 240.360 | 9.030 |
| 240.360 | 8.530 | 241.560 | 8.580 | 241.560 | 9.030 | 241.560 | 9.200 |
| 246.260 | 9.170 | 246.260 | 9.020 | 247.860 | 8.830 | 247.860 | 9.150 |
| 252.760 | 9.120 | 252.760 | 9.010 | 252.760 | 8.710 | 254.060 | 8.670 |
| 254.060 | 9.020 | 254.060 | 9.220 | 260.060 | 9.100 | 260.060 | 8.360 |
| 263.060 | 8.560 | 266.460 | 9.010 | 268.060 | 9.470 | 270.760 | 9.830 |
| 273.960 | 9.960 | 275.230 | 10.520 | 278.220 | 10.560 | 278.220 | 10.670 |
| 278.720 | 10.670 | 286.620 | 14.490 | 292.630 | 14.590 | 298.460 | 17.290 |
| 299.660 | 17.300 | 302.360 | 18.680 | 302.360 | 18.790 | 302.660 | 18.900 |
| 303.060 | 18.910 | 306.310 | 20.750 | 306.860 | 21.030 | 306.860 | 21.500 |
| 306.860 | 21.030 | 308.130 | 21.730 | 309.160 | 21.800 | 311.630 | 21.910 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 314.160 | 21.780 | 314.510 | 21.830 | 314.930 | 21.720 | 316.200 | 21.170 |
| 319.410 | 19.680 | 320.150 | 19.480 | 320.250 | 19.020 | 325.330 | 18.920 |
| 325.700 | 18.870 | 326.550 | 18.170 | 330.650 | 16.080 | 332.030 | 15.630 |
| 332.290 | 15.600 | 334.220 | 13.770 | 334.370 | 13.770 | 334.370 | 13.580 |
| 334.690 | 13.580 | 335.040 | 13.650 | 338.810 | 13.700 | 342.430 | 13.660 |
| 343.830 | 13.630 | 343.830 | 13.460 | 343.830 | 13.260 | 344.210 | 13.080 |
| 344.460 | 13.080 | 345.230 | 13.220 | 345.230 | 13.500 | 348.160 | 13.660 |
| 348.910 | 13.680 | | | | | | |
| 50.0 | 0.000 | | | | 157 | 49 105 | 43 123 |
| -105.890 | 14.400 | -91.090 | 14.510 | -91.090 | 14.900 | -90.990 | 14.900 |
| -82.690 | 15.310 | -59.190 | 15.610 | -58.290 | 15.610 | -58.090 | 15.610 |
| -58.090 | 15.340 | -41.390 | 15.200 | -41.390 | 15.330 | -41.190 | 15.330 |
| -40.290 | 15.620 | -40.290 | 16.060 | -40.190 | 16.060 | -40.190 | 15.390 |
| -40.140 | 15.390 | -39.590 | 15.390 | -39.490 | 15.130 | -39.390 | 15.130 |
| -39.390 | 15.030 | -39.340 | 15.030 | -39.340 | 14.730 | -39.040 | 14.730 |
| -39.040 | 15.030 | -38.990 | 15.030 | -38.990 | 15.130 | -38.890 | 15.130 |
| -38.740 | 15.130 | -25.390 | 15.300 | -25.290 | 15.550 | -24.490 | 15.620 |
| -16.670 | 18.680 | -15.370 | 18.870 | -12.470 | 18.930 | -12.470 | 19.090 |
| -12.270 | 19.120 | -7.170 | 21.880 | -6.400 | 21.990 | -1.000 | 22.060 |
| -0.400 | 21.960 | 0.000 | 21.790 | 0.000 | 22.320 | 0.000 | 21.790 |
| 5.600 | 19.090 | 5.600 | 18.980 | 6.600 | 18.890 | 13.400 | 15.460 |
| 35.500 | 15.080 | 37.000 | 14.360 | 38.300 | 14.290 | 39.330 | 14.140 |
| 42.930 | 12.410 | 48.010 | 11.800 | 53.110 | 11.540 | 55.310 | 11.230 |
| 69.010 | 10.680 | 86.010 | 10.250 | 103.910 | 10.100 | 114.800 | 9.910 |
| 125.100 | 9.510 | 129.800 | 9.480 | 134.800 | 9.400 | 139.800 | 9.350 |
| 144.800 | 9.200 | 149.800 | 9.140 | 154.800 | 9.140 | 159.800 | 9.190 |
| 164.800 | 9.490 | 164.800 | 9.240 | 169.800 | 9.460 | 169.800 | 9.260 |
| 174.800 | 9.440 | 174.800 | 9.240 | 179.800 | 9.380 | 182.800 | 9.250 |
| 184.800 | 9.150 | 184.800 | 9.050 | 189.800 | 8.750 | 194.800 | 8.610 |
| 199.800 | 8.810 | 204.800 | 8.710 | 209.800 | 7.870 | 214.800 | 6.970 |
| 219.800 | 6.830 | 220.600 | 8.800 | 223.800 | 8.630 | 224.300 | 9.180 |
| 224.800 | 10.460 | 226.500 | 11.240 | 229.600 | 11.340 | 229.800 | 10.780 |
| 230.500 | 10.890 | 232.300 | 11.590 | 232.970 | 11.680 | 232.970 | 11.810 |
| 232.970 | 11.680 | 233.660 | 11.740 | 234.860 | 11.290 | 236.860 | 11.260 |
| 237.860 | 11.580 | 241.760 | 11.810 | 247.710 | 14.750 | 248.500 | 14.770 |
| 248.600 | 14.910 | 249.900 | 15.000 | 255.930 | 15.310 | 256.680 | 15.240 |
| 257.480 | 15.230 | 258.880 | 15.390 | 264.080 | 15.510 | 264.530 | 15.610 |
| 267.630 | 17.170 | 270.630 | 17.330 | 270.630 | 17.430 | 270.930 | 17.430 |
| 273.680 | 18.900 | 274.830 | 19.000 | 274.930 | 19.160 | 275.380 | 19.250 |
| 278.680 | 20.950 | 279.180 | 21.210 | 279.180 | 21.640 | 279.180 | 21.210 |
| 281.030 | 22.070 | 281.330 | 22.090 | 283.580 | 22.150 | 286.180 | 22.060 |
| 286.670 | 22.090 | 289.720 | 20.610 | 289.970 | 20.350 | 290.070 | 20.030 |
| 291.900 | 19.580 | 292.000 | 19.720 | 299.620 | 19.730 | 299.720 | 19.790 |
| 300.010 | 19.640 | 306.860 | 15.960 | 307.250 | 15.860 | 307.950 | 15.790 |
| 308.650 | 14.430 | 309.600 | 14.390 | 309.830 | 13.940 | 313.900 | 13.770 |
| 314.000 | 13.770 | 314.000 | 13.670 | 314.050 | 13.480 | 314.350 | 13.480 |
| 314.350 | 13.670 | 314.400 | 13.780 | 316.600 | 13.850 | 317.900 | 13.860 |
| 317.900 | 14.300 | 319.050 | 14.250 | 319.050 | 14.080 | 319.510 | 14.080 |
| 328.450 | 14.080 | | | | | | |
| 50.2 | 0.000 | | | | 149 | 45 102 | 38 119 |
| -101.000 | 15.090 | -83.470 | 15.090 | -58.170 | 15.120 | -58.170 | 15.020 |
| -57.820 | 15.020 | -57.820 | 14.910 | -57.470 | 14.910 | -57.470 | 14.850 |
| -48.420 | 14.820 | -48.420 | 14.910 | -48.270 | 14.910 | -38.920 | 15.210 |
| -38.670 | 15.210 | -37.920 | 15.200 | -37.670 | 15.200 | -37.670 | 14.800 |
| -33.870 | 14.700 | -32.970 | 14.670 | -32.870 | 14.670 | -32.870 | 14.570 |
| -32.770 | 14.570 | -32.770 | 13.670 | -32.270 | 13.670 | -32.270 | 14.570 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| -32.170 | 14.570 | -32.170 | 14.670 | -32.170 | 14.770 | -31.970 | 14.770 |
| -30.670 | 15.990 | -29.570 | 15.990 | -23.000 | 18.870 | -18.600 | 19.120 |
| -13.000 | 22.010 | -12.500 | 22.010 | -0.900 | 22.070 | -0.600 | 21.970 |
| 0.000 | 21.630 | 0.000 | 21.770 | 0.000 | 21.630 | 4.300 | 19.240 |
| 5.000 | 18.800 | 8.500 | 17.000 | 14.600 | 13.740 | 16.300 | 13.450 |
| 19.580 | 13.320 | 22.780 | 11.480 | 23.980 | 11.470 | 25.280 | 11.020 |
| 29.050 | 10.660 | 29.050 | 10.810 | 29.050 | 10.660 | 30.650 | 10.460 |
| 30.850 | 10.730 | 33.550 | 11.150 | 35.550 | 10.250 | 35.550 | 9.680 |
| 36.550 | 8.680 | 37.050 | 8.680 | 38.250 | 8.430 | 42.050 | 8.480 |
| 47.050 | 8.380 | 52.050 | 8.180 | 57.050 | 8.180 | 62.050 | 8.290 |
| 67.050 | 9.090 | 72.050 | 9.090 | 77.050 | 9.040 | 82.050 | 8.940 |
| 87.050 | 8.890 | 92.050 | 8.690 | 97.050 | 8.590 | 102.050 | 8.490 |
| 107.050 | 8.490 | 112.050 | 8.590 | 117.050 | 8.740 | 122.050 | 8.990 |
| 127.050 | 9.240 | 132.050 | 9.490 | 132.650 | 9.690 | 136.550 | 10.190 |
| 139.800 | 10.950 | 139.800 | 11.090 | 139.800 | 10.950 | 144.530 | 11.510 |
| 153.630 | 11.730 | 157.630 | 12.260 | 164.430 | 12.310 | 181.630 | 12.600 |
| 186.130 | 12.570 | 187.630 | 12.430 | 190.330 | 12.360 | 190.630 | 12.440 |
| 191.830 | 12.530 | 197.530 | 12.440 | 202.030 | 12.560 | 214.630 | 12.370 |
| 226.430 | 12.040 | 228.630 | 12.150 | 231.130 | 11.930 | 237.430 | 14.940 |
| 237.900 | 14.970 | 238.650 | 15.130 | 245.250 | 15.490 | 245.650 | 15.430 |
| 246.850 | 15.440 | 247.950 | 15.580 | 253.950 | 15.740 | 254.400 | 15.810 |
| 257.250 | 17.360 | 260.200 | 17.510 | 260.500 | 17.600 | 263.300 | 19.050 |
| 264.550 | 19.100 | 264.550 | 19.210 | 269.000 | 21.430 | 269.300 | 21.580 |
| 269.300 | 22.130 | 269.300 | 21.580 | 270.200 | 22.080 | 270.900 | 22.030 |
| 277.650 | 22.030 | 277.750 | 22.160 | 277.890 | 22.070 | 278.440 | 22.060 |
| 284.720 | 18.930 | 286.640 | 18.840 | 287.440 | 18.540 | 287.760 | 18.510 |
| 287.960 | 18.070 | 291.010 | 18.000 | 291.310 | 17.940 | 296.810 | 15.720 |
| 297.230 | 15.710 | 297.630 | 15.690 | 298.330 | 14.380 | 302.250 | 14.340 |
| 302.350 | 14.240 | 302.400 | 13.940 | 302.700 | 13.940 | 302.700 | 14.240 |
| 302.750 | 14.340 | 302.800 | 14.850 | 302.950 | 14.850 | 302.950 | 14.620 |
| 303.750 | 14.620 | 303.750 | 14.420 | 304.430 | 14.420 | 312.180 | 14.370 |
| 313.180 | 14.370 | | | | | | |
| 50.4 | 0.000 | | | | 142 | 57 84 | 42 115 |
| -48.000 | 15.190 | -47.000 | 15.170 | -46.000 | 15.270 | -46.000 | 15.570 |
| -44.800 | 15.670 | -40.100 | 15.670 | -38.700 | 15.570 | -38.700 | 15.220 |
| -31.500 | 15.220 | -31.500 | 16.170 | -30.900 | 16.170 | -30.900 | 15.120 |
| -30.600 | 14.440 | -27.300 | 14.630 | -25.900 | 15.070 | -23.500 | 15.380 |
| -23.200 | 16.870 | -22.350 | 17.050 | -21.250 | 16.990 | -21.150 | 16.990 |
| -21.100 | 16.890 | -21.100 | 16.590 | -20.800 | 16.590 | -20.750 | 16.890 |
| -20.750 | 16.990 | -19.650 | 16.990 | -17.650 | 17.030 | -16.600 | 18.200 |
| -16.600 | 18.470 | -16.100 | 18.580 | -16.100 | 21.190 | -15.900 | 21.190 |
| -15.700 | 21.190 | -15.500 | 21.220 | -12.900 | 21.140 | -12.750 | 21.140 |
| -12.750 | 21.030 | -12.500 | 21.060 | -2.800 | 21.140 | -2.500 | 21.180 |
| -2.400 | 21.180 | 0.000 | 21.200 | 0.100 | 21.520 | 0.600 | 21.520 |
| 0.600 | 20.010 | 0.900 | 20.010 | 0.900 | 19.340 | 7.700 | 14.830 |
| 9.300 | 13.760 | 11.660 | 13.450 | 12.850 | 13.430 | 16.450 | 11.500 |
| 23.150 | 10.960 | 24.460 | 10.570 | 25.260 | 10.470 | 25.460 | 11.230 |
| 26.860 | 11.690 | 31.240 | 10.870 | 32.340 | 9.710 | 34.240 | 9.460 |
| 34.740 | 8.310 | 36.240 | 8.460 | 41.240 | 8.710 | 46.240 | 8.810 |
| 51.240 | 8.910 | 56.240 | 8.960 | 61.240 | 9.010 | 66.240 | 9.260 |
| 71.240 | 9.510 | 76.240 | 9.510 | 81.240 | 9.510 | 86.240 | 9.560 |
| 91.240 | 9.560 | 96.240 | 9.510 | 101.240 | 9.560 | 102.540 | 9.710 |
| 117.090 | 10.470 | 130.190 | 10.730 | 150.290 | 12.440 | 151.890 | 12.790 |
| 153.510 | 13.010 | 156.220 | 13.100 | 170.320 | 13.570 | 178.320 | 13.720 |
| 189.220 | 13.590 | 196.920 | 13.290 | 205.320 | 13.160 | 206.820 | 12.850 |
| 208.820 | 12.870 | 209.820 | 13.220 | 213.120 | 12.810 | 222.120 | 12.810 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 234.120 | 13.170 | 243.620 | 12.500 | 246.220 | 12.570 | 246.820 | 12.410 |
| 247.420 | 12.460 | 253.120 | 15.260 | 253.570 | 15.260 | 254.420 | 15.420 |
| 260.020 | 15.690 | 260.620 | 15.610 | 262.220 | 15.640 | 263.620 | 15.730 |
| 266.120 | 15.830 | 271.620 | 15.990 | 278.190 | 17.810 | 280.940 | 19.270 |
| 282.190 | 19.350 | 282.190 | 19.450 | 285.440 | 21.080 | 286.090 | 21.320 |
| 286.090 | 21.770 | 286.090 | 21.320 | 287.640 | 22.160 | 288.040 | 22.290 |
| 291.540 | 22.330 | 294.940 | 22.280 | 295.590 | 22.250 | 298.090 | 20.680 |
| 298.790 | 20.480 | 302.690 | 20.480 | 303.510 | 20.510 | 306.210 | 18.680 |
| 308.810 | 17.300 | 311.310 | 15.820 | 312.010 | 15.620 | 315.410 | 14.750 |
| 316.060 | 14.710 | 318.950 | 14.480 | 319.100 | 14.420 | 319.100 | 14.320 |
| 319.150 | 13.970 | 319.500 | 13.970 | 319.500 | 14.320 | 319.550 | 14.420 |
| 319.600 | 15.840 | 319.700 | 15.840 | 319.700 | 14.500 | 320.500 | 14.600 |
| 326.350 | 14.660 | 328.800 | 14.580 | | | | |
| 50.6 | 0.000 | | | | 135 | 38 73 | 31 109 |
| -49.660 | 16.690 | -49.660 | 16.360 | -49.280 | 16.360 | -49.280 | 15.790 |
| -48.270 | 15.790 | -48.270 | 15.890 | -47.670 | 15.990 | -38.310 | 16.140 |
| -38.160 | 16.040 | -38.160 | 15.740 | -37.860 | 15.740 | -37.810 | 16.140 |
| -37.660 | 16.140 | -16.480 | 14.600 | -16.280 | 14.600 | -14.300 | 18.370 |
| -10.070 | 18.510 | -3.800 | 18.830 | -3.500 | 19.370 | -1.200 | 20.230 |
| 0.000 | 20.230 | 0.000 | 20.730 | 0.000 | 20.230 | 10.100 | 20.370 |
| 10.100 | 20.520 | 11.200 | 20.520 | 12.950 | 20.550 | 13.050 | 21.580 |
| 13.250 | 21.580 | 13.250 | 20.270 | 13.650 | 20.270 | 13.650 | 19.620 |
| 14.660 | 16.240 | 15.760 | 15.300 | 16.960 | 15.180 | 17.760 | 14.910 |
| 24.260 | 14.050 | 25.760 | 13.620 | 26.660 | 13.570 | 29.060 | 12.120 |
| 29.360 | 12.120 | 30.960 | 11.350 | 35.460 | 11.180 | 39.000 | 10.680 |
| 40.490 | 10.400 | 44.990 | 10.240 | 45.490 | 10.220 | 50.490 | 9.840 |
| 55.490 | 9.890 | 60.490 | 9.740 | 65.490 | 9.680 | 70.490 | 9.430 |
| 75.490 | 9.580 | 80.490 | 9.630 | 85.490 | 9.570 | 90.490 | 9.620 |
| 95.490 | 9.670 | 100.490 | 9.920 | 105.490 | 10.010 | 110.490 | 10.060 |
| 115.490 | 10.060 | 120.490 | 10.060 | 123.990 | 10.200 | 128.990 | 10.740 |
| 132.630 | 11.020 | 146.700 | 11.360 | 161.200 | 11.440 | 172.700 | 11.740 |
| 181.700 | 12.460 | 189.700 | 12.920 | 195.400 | 13.130 | 203.000 | 13.240 |
| 211.700 | 13.640 | 219.700 | 13.570 | 227.400 | 13.660 | 236.700 | 13.550 |
| 238.000 | 13.530 | 238.800 | 13.310 | 241.000 | 13.300 | 242.100 | 13.640 |
| 243.700 | 13.530 | 245.000 | 13.290 | 248.300 | 13.360 | 260.000 | 13.230 |
| 268.700 | 13.530 | 269.700 | 13.930 | 277.800 | 14.270 | 279.400 | 15.130 |
| 279.900 | 15.140 | 280.100 | 15.130 | 281.300 | 15.540 | 282.200 | 15.630 |
| 282.400 | 15.580 | 284.000 | 15.590 | 284.500 | 15.660 | 290.400 | 15.980 |
| 292.200 | 15.970 | 292.500 | 15.980 | 295.710 | 17.720 | 298.710 | 17.990 |
| 299.010 | 19.480 | 301.810 | 19.540 | 303.010 | 19.640 | 303.210 | 19.670 |
| 306.860 | 21.540 | 307.410 | 21.820 | 307.410 | 22.270 | 307.410 | 21.820 |
| 309.260 | 22.730 | 314.910 | 22.720 | 315.320 | 22.600 | 321.220 | 19.390 |
| 321.720 | 19.300 | 324.720 | 19.250 | 325.160 | 19.240 | 326.070 | 18.960 |
| 328.670 | 17.650 | 331.480 | 16.330 | 331.930 | 15.950 | 332.480 | 14.920 |
| 332.880 | 14.880 | 333.430 | 14.840 | 333.530 | 14.140 | 333.830 | 14.140 |
| 333.830 | 14.740 | 333.930 | 14.840 | 335.150 | 14.940 | 339.140 | 14.950 |
| 339.140 | 16.110 | 339.240 | 16.110 | 339.240 | 15.090 | 345.590 | 15.190 |
| 346.290 | 15.190 | 350.070 | 15.070 | 353.690 | 15.200 | | |
| 50.8 | 0.000 | | | | 157 | 54 99 | 45 130 |
| -45.660 | 14.850 | -45.160 | 14.800 | -45.110 | 14.700 | -45.110 | 14.400 |
| -44.760 | 14.400 | -44.710 | 14.700 | -44.660 | 14.800 | -34.560 | 14.780 |
| -34.560 | 14.480 | -34.260 | 14.480 | -34.260 | 14.780 | -34.160 | 14.880 |
| -34.160 | 15.970 | -34.010 | 15.970 | -34.010 | 15.000 | -28.310 | 15.090 |
| -28.310 | 15.610 | -27.010 | 15.610 | -27.010 | 14.860 | -9.610 | 15.290 |
| -9.410 | 15.510 | -8.760 | 15.540 | -8.060 | 17.070 | -7.510 | 17.470 |
| -1.700 | 20.130 | -1.250 | 20.130 | -0.900 | 19.960 | -0.800 | 19.680 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| -0.500 | 19.680 | -0.450 | 19.960 | -0.450 | 20.170 | -0.300 | 20.170 |
| 0.000 | 20.210 | 0.000 | 20.680 | 0.000 | 20.210 | 0.250 | 20.210 |
| 0.250 | 20.390 | 0.400 | 20.410 | 9.400 | 20.570 | 9.400 | 20.730 |
| 10.400 | 20.730 | 12.210 | 20.720 | 12.410 | 20.750 | 12.410 | 21.750 |
| 12.610 | 21.750 | 12.610 | 20.430 | 13.010 | 20.430 | 13.010 | 19.790 |
| 13.010 | 19.130 | 14.070 | 16.540 | 15.170 | 15.370 | 16.370 | 15.260 |
| 17.270 | 14.710 | 22.770 | 13.660 | 25.830 | 12.170 | 35.530 | 12.130 |
| 36.430 | 11.650 | 37.230 | 11.580 | 37.230 | 11.820 | 37.230 | 11.580 |
| 42.730 | 11.290 | 46.030 | 10.340 | 47.230 | 10.580 | 52.230 | 10.620 |
| 57.230 | 10.660 | 62.230 | 10.800 | 67.230 | 10.940 | 72.230 | 10.920 |
| 77.230 | 10.810 | 82.230 | 10.950 | 87.230 | 11.040 | 92.230 | 11.130 |
| 97.230 | 11.120 | 98.930 | 11.160 | 100.230 | 11.530 | 102.230 | 11.540 |
| 105.230 | 11.330 | 111.230 | 11.240 | 114.730 | 10.870 | 117.230 | 10.720 |
| 122.230 | 10.570 | 127.230 | 10.420 | 132.230 | 10.370 | 137.230 | 10.370 |
| 142.230 | 10.670 | 144.730 | 10.870 | 147.730 | 11.420 | 152.670 | 11.500 |
| 152.670 | 11.630 | 152.670 | 11.500 | 159.020 | 11.600 | 170.120 | 11.420 |
| 179.320 | 11.320 | 187.720 | 11.430 | 194.520 | 11.890 | 202.920 | 12.550 |
| 211.520 | 13.060 | 222.020 | 13.490 | 229.820 | 13.660 | 239.420 | 13.650 |
| 250.720 | 13.780 | 252.520 | 13.960 | 257.520 | 14.050 | 261.920 | 13.770 |
| 267.120 | 14.250 | 270.870 | 14.760 | 271.470 | 14.870 | 272.770 | 15.050 |
| 273.070 | 15.130 | 273.470 | 15.180 | 274.170 | 15.400 | 275.770 | 15.730 |
| 276.270 | 15.690 | 278.170 | 15.690 | 282.670 | 16.170 | 284.170 | 16.180 |
| 285.970 | 16.190 | 286.270 | 16.200 | 289.470 | 17.940 | 292.420 | 18.080 |
| 292.420 | 18.180 | 292.720 | 18.180 | 295.520 | 19.660 | 296.820 | 19.720 |
| 296.820 | 19.820 | 297.020 | 19.820 | 301.520 | 22.970 | 301.220 | 22.110 |
| 301.520 | 22.240 | 301.520 | 22.790 | 301.520 | 22.240 | 302.620 | 22.800 |
| 303.020 | 22.800 | 308.820 | 22.800 | 309.570 | 22.770 | 310.270 | 22.470 |
| 311.170 | 22.360 | 311.370 | 21.970 | 314.620 | 21.920 | 315.120 | 21.810 |
| 319.570 | 19.590 | 322.290 | 19.440 | 327.740 | 16.830 | 328.070 | 16.770 |
| 328.170 | 16.790 | 328.840 | 15.580 | 328.940 | 15.570 | 329.420 | 15.560 |
| 334.270 | 15.430 | 334.370 | 15.430 | 334.420 | 15.080 | 334.720 | 15.080 |
| 334.720 | 15.330 | 334.870 | 15.430 | 335.670 | 15.240 | 347.320 | 15.220 |
| 348.520 | 15.450 | | | | | | |
| 51.0 | 0.000 | | | | 161 | 70 120 | 54 137 |
| -62.850 | 15.300 | -62.850 | 15.000 | -61.580 | 15.000 | -61.580 | 15.300 |
| -61.400 | 15.300 | -61.400 | 15.400 | -61.220 | 15.400 | -43.540 | 15.510 |
| -42.090 | 15.600 | -42.090 | 15.500 | -41.990 | 15.500 | -41.990 | 15.150 |
| -41.690 | 15.180 | -41.590 | 15.630 | -41.490 | 15.630 | -40.690 | 15.750 |
| -40.490 | 15.750 | -40.490 | 15.970 | -40.290 | 15.970 | -40.290 | 15.600 |
| -40.190 | 15.600 | -40.190 | 15.300 | -39.840 | 15.300 | -39.790 | 15.600 |
| -39.790 | 15.700 | -39.090 | 15.730 | -24.590 | 16.160 | -22.740 | 16.090 |
| -22.490 | 16.090 | -21.340 | 18.350 | -18.690 | 19.420 | -18.000 | 19.490 |
| -15.900 | 19.640 | -15.800 | 20.190 | -15.550 | 20.190 | -15.100 | 20.200 |
| -14.950 | 20.200 | -14.950 | 19.720 | -14.700 | 19.720 | -14.550 | 20.260 |
| -14.550 | 20.510 | -14.400 | 20.510 | -13.000 | 20.990 | -12.350 | 20.860 |
| -12.300 | 20.750 | -5.730 | 20.890 | -2.930 | 20.950 | -2.430 | 20.960 |
| -2.430 | 21.090 | -1.530 | 21.100 | 0.620 | 21.140 | 0.620 | 22.160 |
| 0.770 | 22.160 | 0.970 | 22.160 | 0.970 | 20.640 | 1.170 | 20.640 |
| 1.170 | 20.070 | 2.370 | 16.340 | 3.570 | 15.520 | 4.580 | 15.410 |
| 5.880 | 14.790 | 8.480 | 14.210 | 12.580 | 14.230 | 27.000 | 14.310 |
| 31.220 | 14.300 | 31.220 | 14.460 | 31.220 | 14.300 | 33.420 | 14.030 |
| 33.420 | 14.830 | 38.120 | 14.640 | 41.520 | 12.920 | 42.310 | 12.060 |
| 42.610 | 12.010 | 42.610 | 11.770 | 43.310 | 11.270 | 43.810 | 9.920 |
| 47.310 | 9.960 | 52.310 | 10.460 | 57.310 | 10.660 | 62.310 | 11.160 |
| 66.610 | 11.760 | 71.310 | 12.270 | 76.310 | 12.540 | 87.310 | 12.460 |
| 94.310 | 12.660 | 108.310 | 12.600 | 122.310 | 12.010 | 130.810 | 11.870 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 132.310 | 11.820 | 137.310 | 11.750 | 142.310 | 11.690 | 147.310 | 11.720 |
| 152.310 | 11.800 | 152.310 | 11.600 | 157.310 | 11.610 | 162.310 | 11.520 |
| 167.310 | 11.180 | 172.310 | 11.150 | 173.610 | 11.560 | 177.310 | 13.020 |
| 178.230 | 13.170 | 183.670 | 13.720 | 191.070 | 13.630 | 200.870 | 13.300 |
| 208.670 | 12.940 | 216.670 | 12.600 | 223.970 | 12.320 | 232.170 | 12.110 |
| 240.370 | 12.210 | 246.670 | 12.320 | 252.670 | 12.420 | 262.370 | 12.700 |
| 264.970 | 12.810 | 266.170 | 13.360 | 266.170 | 13.490 | 266.420 | 13.610 |
| 266.670 | 13.620 | 268.260 | 13.710 | 272.410 | 15.640 | 273.260 | 15.700 |
| 274.760 | 16.120 | 275.210 | 16.090 | 276.960 | 16.110 | 279.260 | 16.380 |
| 280.660 | 16.420 | 284.260 | 18.280 | 287.310 | 18.400 | 287.310 | 18.520 |
| 288.110 | 18.850 | 292.360 | 18.870 | 294.210 | 19.860 | 295.410 | 19.920 |
| 295.410 | 20.040 | 295.610 | 20.050 | 299.710 | 22.190 | 300.010 | 22.450 |
| 300.010 | 23.010 | 300.010 | 22.450 | 301.060 | 23.070 | 301.410 | 23.040 |
| 307.060 | 23.020 | 307.520 | 22.890 | 314.270 | 19.320 | 317.170 | 19.110 |
| 317.670 | 18.680 | 320.120 | 18.600 | 320.800 | 18.520 | 326.150 | 15.780 |
| 327.150 | 15.650 | 328.120 | 15.650 | 334.050 | 15.410 | 334.100 | 15.310 |
| 334.150 | 15.010 | 334.500 | 15.010 | 334.500 | 15.310 | 334.550 | 15.410 |
| 334.600 | 15.290 | 349.780 | 15.390 | 349.780 | 17.120 | 349.880 | 17.120 |
| 349.880 | 15.980 | | | | | | |
| 51.2 | 0.000 | | | | 147 | 55 112 | 50 124 |
| -44.380 | 15.300 | -43.780 | 15.280 | -43.780 | 15.450 | -43.640 | 15.450 |
| -40.980 | 15.460 | -40.830 | 15.460 | -40.730 | 15.360 | -40.730 | 14.910 |
| -40.130 | 14.910 | -40.030 | 15.360 | -40.030 | 15.460 | -39.930 | 15.460 |
| -33.190 | 15.880 | -5.670 | 15.940 | -5.450 | 15.920 | -5.450 | 15.620 |
| -5.150 | 15.620 | -5.100 | 15.920 | -4.650 | 16.010 | -4.500 | 16.010 |
| -4.000 | 16.030 | -3.060 | 17.990 | -2.910 | 18.100 | -0.800 | 18.950 |
| 0.000 | 19.010 | 0.000 | 19.400 | 0.000 | 19.010 | 0.300 | 18.990 |
| 2.500 | 19.000 | 2.500 | 18.870 | 3.200 | 18.890 | 9.230 | 19.130 |
| 16.230 | 19.160 | 16.730 | 19.160 | 16.730 | 19.290 | 18.430 | 19.360 |
| 19.030 | 19.360 | 19.630 | 20.390 | 20.030 | 20.380 | 30.530 | 20.670 |
| 37.330 | 20.910 | 41.030 | 20.950 | 41.530 | 20.960 | 41.530 | 21.100 |
| 42.530 | 21.100 | 44.530 | 21.130 | 44.530 | 22.290 | 45.030 | 22.290 |
| 45.030 | 20.790 | 45.230 | 20.790 | 45.230 | 20.240 | 46.100 | 16.860 |
| 47.700 | 15.810 | 48.700 | 15.630 | 85.500 | 15.310 | 95.700 | 12.770 |
| 95.700 | 12.650 | 99.100 | 12.590 | 100.450 | 11.920 | 102.300 | 11.020 |
| 104.100 | 11.020 | 109.100 | 10.970 | 114.100 | 11.120 | 119.100 | 11.120 |
| 124.100 | 10.920 | 129.100 | 11.170 | 134.100 | 10.720 | 139.100 | 10.720 |
| 144.100 | 10.770 | 149.100 | 11.020 | 154.100 | 11.520 | 157.100 | 11.920 |
| 157.100 | 11.670 | 159.100 | 12.010 | 159.100 | 11.810 | 162.100 | 12.150 |
| 162.100 | 11.900 | 164.100 | 12.210 | 164.100 | 11.910 | 169.100 | 11.770 |
| 174.100 | 11.680 | 179.100 | 11.490 | 184.100 | 11.650 | 189.100 | 11.860 |
| 194.100 | 11.920 | 199.100 | 11.830 | 204.100 | 12.040 | 209.100 | 12.250 |
| 209.800 | 12.300 | 222.000 | 12.760 | 222.000 | 12.870 | 222.000 | 12.760 |
| 229.920 | 13.100 | 237.920 | 13.200 | 247.920 | 13.200 | 258.620 | 13.050 |
| 265.120 | 12.880 | 270.920 | 12.800 | 278.920 | 12.760 | 285.920 | 12.440 |
| 294.720 | 12.250 | 296.320 | 12.200 | 300.920 | 12.050 | 303.720 | 12.000 |
| 305.520 | 11.910 | 308.620 | 12.000 | 313.520 | 12.050 | 313.820 | 12.090 |
| 320.920 | 15.790 | 321.920 | 15.850 | 323.120 | 16.250 | 323.320 | 16.240 |
| 325.020 | 16.240 | 326.120 | 16.340 | 333.470 | 16.640 | 336.380 | 18.330 |
| 339.380 | 18.450 | 339.380 | 18.570 | 339.680 | 18.570 | 342.480 | 20.050 |
| 343.780 | 20.120 | 343.930 | 20.210 | 348.880 | 22.590 | 348.880 | 23.020 |
| 348.880 | 22.590 | 349.730 | 22.950 | 350.080 | 22.970 | 355.930 | 22.950 |
| 356.430 | 22.900 | 363.830 | 19.220 | 368.580 | 18.890 | 374.660 | 15.590 |
| 374.860 | 15.490 | 387.110 | 15.370 | 387.410 | 15.310 | 387.510 | 14.760 |
| 388.310 | 14.760 | 388.310 | 15.210 | 388.410 | 15.210 | 392.510 | 15.290 |
| 392.610 | 15.290 | 392.610 | 15.190 | 392.660 | 14.890 | 392.910 | 14.890 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 392.910 | 15.190 | 392.960 | 15.290 | 394.910 | 15.510 | | |
| 51.4 | 0.000 | | | | 153 | 51.110 | 44.128 |
| -38.410 | 16.450 | -37.290 | 16.420 | -37.140 | 16.320 | -37.140 | 16.020 |
| -36.790 | 16.020 | -36.790 | 16.320 | -36.640 | 16.420 | -32.210 | 16.390 |
| -32.060 | 16.290 | -32.060 | 15.990 | -31.710 | 15.990 | -31.660 | 16.390 |
| -31.510 | 16.470 | -12.800 | 16.880 | -8.050 | 16.850 | -3.400 | 16.940 |
| -3.200 | 16.930 | -3.150 | 16.820 | -3.150 | 16.520 | -2.800 | 16.520 |
| -2.700 | 16.920 | -0.800 | 19.830 | -0.400 | 19.830 | 0.000 | 19.890 |
| 1.100 | 19.920 | 1.100 | 20.200 | 3.100 | 20.250 | 3.100 | 23.380 |
| 3.300 | 23.380 | 3.600 | 23.230 | 3.900 | 23.290 | 14.800 | 23.350 |
| 14.800 | 23.550 | 15.800 | 23.550 | 15.800 | 23.390 | 17.390 | 23.400 |
| 18.290 | 23.360 | 18.290 | 24.330 | 18.640 | 24.330 | 18.640 | 23.350 |
| 18.740 | 23.140 | 18.440 | 22.840 | 18.440 | 21.020 | 18.990 | 21.020 |
| 18.990 | 20.540 | 22.700 | 17.270 | 21.200 | 15.950 | 41.400 | 15.810 |
| 55.000 | 15.650 | 58.400 | 15.620 | 60.390 | 15.430 | 65.250 | 12.980 |
| 67.750 | 12.980 | 67.750 | 12.880 | 68.650 | 12.800 | 70.050 | 12.110 |
| 70.200 | 12.080 | 70.500 | 12.070 | 74.750 | 12.040 | 77.750 | 12.040 |
| 78.950 | 11.840 | 83.450 | 11.930 | 90.200 | 12.080 | 96.950 | 12.240 |
| 108.350 | 12.310 | 120.050 | 12.430 | 133.240 | 12.540 | 133.240 | 12.680 |
| 133.240 | 12.540 | 136.240 | 12.570 | 138.240 | 12.520 | 143.240 | 12.470 |
| 148.240 | 12.120 | 153.240 | 11.470 | 158.240 | 11.420 | 163.240 | 11.420 |
| 168.240 | 11.720 | 173.240 | 11.770 | 178.240 | 11.870 | 183.240 | 11.970 |
| 188.240 | 12.070 | 193.240 | 12.120 | 198.240 | 12.270 | 202.440 | 12.570 |
| 205.740 | 12.900 | 208.240 | 12.920 | 213.340 | 12.860 | 218.240 | 12.760 |
| 223.240 | 12.610 | 228.240 | 12.660 | 233.240 | 12.710 | 238.240 | 12.760 |
| 243.240 | 12.810 | 245.240 | 12.860 | 254.660 | 13.000 | 254.660 | 13.150 |
| 254.660 | 13.000 | 259.660 | 12.830 | 264.860 | 12.810 | 267.560 | 12.840 |
| 271.060 | 12.670 | 276.860 | 12.630 | 281.460 | 12.540 | 283.060 | 12.640 |
| 287.010 | 12.680 | 293.710 | 15.980 | 294.710 | 16.020 | 294.710 | 16.170 |
| 295.810 | 16.420 | 296.110 | 16.410 | 297.810 | 16.450 | 302.710 | 16.630 |
| 303.210 | 16.710 | 309.670 | 16.840 | 312.520 | 18.660 | 312.520 | 18.770 |
| 312.820 | 18.770 | 312.820 | 18.870 | 315.620 | 20.210 | 316.870 | 20.300 |
| 316.870 | 20.410 | 317.020 | 20.410 | 320.770 | 22.300 | 321.270 | 22.540 |
| 321.270 | 23.000 | 321.270 | 22.540 | 322.970 | 23.320 | 323.220 | 23.330 |
| 329.150 | 23.280 | 329.820 | 23.110 | 333.120 | 22.970 | 333.570 | 22.990 |
| 333.770 | 22.980 | 333.770 | 22.760 | 334.920 | 22.250 | 335.870 | 21.100 |
| 340.220 | 20.790 | 346.400 | 18.240 | 346.850 | 18.140 | 348.600 | 16.300 |
| 348.900 | 16.280 | 348.900 | 15.880 | 353.200 | 15.700 | 353.300 | 15.300 |
| 353.600 | 15.300 | 353.600 | 15.600 | 353.700 | 15.700 | 354.350 | 16.000 |
| 363.800 | 16.000 | 363.800 | 16.980 | 363.950 | 16.980 | 363.950 | 16.850 |
| 370.920 | 16.190 | | | | | | |
| 51.6 | 0.000 | | | | 159 | 67.121 | 36.137 |
| -49.980 | 17.280 | -49.930 | 17.180 | -49.930 | 16.880 | -49.580 | 16.880 |
| -49.530 | 17.180 | -49.480 | 17.280 | -43.630 | 17.430 | -43.530 | 17.860 |
| -39.480 | 17.820 | -19.700 | 18.010 | -18.990 | 17.920 | -18.940 | 17.620 |
| -18.790 | 17.620 | -18.790 | 17.310 | -18.440 | 17.310 | -18.440 | 17.610 |
| -18.240 | 17.610 | -16.890 | 21.310 | -16.340 | 21.310 | -16.290 | 21.180 |
| -16.240 | 21.080 | -16.240 | 20.880 | -16.040 | 20.880 | -15.990 | 21.080 |
| -15.990 | 21.180 | -15.890 | 21.210 | -3.820 | 21.240 | -3.520 | 21.210 |
| -3.520 | 21.410 | -3.270 | 21.410 | -3.220 | 21.310 | -3.220 | 21.010 |
| -2.870 | 21.010 | -2.820 | 21.310 | -2.770 | 21.410 | -1.400 | 21.460 |
| -1.400 | 22.510 | -1.000 | 22.510 | -1.000 | 22.180 | -0.650 | 21.310 |
| 0.000 | 21.230 | 0.000 | 21.760 | 0.000 | 21.230 | 0.800 | 21.170 |
| 5.400 | 18.150 | 5.900 | 18.150 | 5.900 | 18.040 | 8.450 | 17.910 |
| 12.650 | 14.930 | 13.150 | 14.930 | 13.150 | 14.790 | 15.750 | 14.660 |
| 16.850 | 14.000 | 17.750 | 14.050 | 18.150 | 13.870 | 19.950 | 13.920 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 20.550 | 14.250 | 26.050 | 14.450 | 27.150 | 14.190 | 28.150 | 14.560 |
| 36.550 | 14.070 | 37.350 | 14.520 | 37.950 | 14.360 | 39.150 | 14.260 |
| 43.750 | 14.170 | 67.750 | 14.290 | 68.750 | 13.790 | 71.150 | 13.900 |
| 71.150 | 14.070 | 71.150 | 13.900 | 72.950 | 13.160 | 80.950 | 12.960 |
| 85.050 | 12.860 | 92.250 | 12.880 | 97.550 | 12.970 | 98.550 | 13.080 |
| 109.350 | 13.240 | 113.450 | 12.750 | 115.450 | 12.730 | 116.850 | 12.960 |
| 121.100 | 13.020 | 127.150 | 13.060 | 132.000 | 12.880 | 136.150 | 12.480 |
| 141.150 | 12.330 | 146.150 | 12.230 | 151.150 | 12.130 | 156.150 | 12.080 |
| 161.150 | 11.980 | 166.150 | 11.990 | 171.150 | 11.990 | 176.150 | 11.990 |
| 181.150 | 11.990 | 186.150 | 11.990 | 191.150 | 11.990 | 196.150 | 12.040 |
| 201.150 | 11.990 | 206.150 | 11.990 | 211.150 | 12.040 | 216.150 | 12.140 |
| 221.150 | 12.140 | 226.150 | 12.140 | 231.150 | 12.190 | 236.150 | 12.340 |
| 239.750 | 12.440 | 239.750 | 12.890 | 241.850 | 12.990 | 241.850 | 12.890 |
| 246.150 | 12.740 | 251.150 | 12.840 | 252.150 | 12.890 | 254.780 | 13.010 |
| 254.780 | 13.230 | 254.780 | 13.010 | 260.680 | 13.060 | 264.180 | 13.160 |
| 265.330 | 13.750 | 265.530 | 13.750 | 270.480 | 16.180 | 270.980 | 16.250 |
| 271.680 | 16.250 | 280.680 | 16.800 | 283.080 | 16.890 | 283.080 | 16.990 |
| 286.340 | 18.670 | 289.340 | 18.790 | 289.340 | 18.910 | 289.640 | 18.910 |
| 289.640 | 19.010 | 292.440 | 20.370 | 293.740 | 20.440 | 293.740 | 20.540 |
| 293.940 | 20.540 | 297.940 | 22.500 | 297.940 | 22.640 | 298.340 | 22.810 |
| 298.340 | 23.370 | 298.340 | 22.810 | 299.640 | 23.400 | 299.890 | 23.380 |
| 306.940 | 23.430 | 307.620 | 23.390 | 313.640 | 20.280 | 317.940 | 20.120 |
| 321.390 | 18.740 | 323.420 | 18.670 | 323.920 | 18.600 | 324.870 | 17.180 |
| 325.340 | 17.180 | 325.890 | 17.180 | 337.400 | 16.860 | 337.720 | 16.820 |
| 337.970 | 16.910 | 338.290 | 16.830 | 338.840 | 16.830 | 339.140 | 16.980 |
| 341.180 | 16.960 | 342.750 | 16.810 | 345.470 | 16.830 | | |
| 51.8 | 0.000 | | | | 151 | 91 125 | 60 137 |
| -102.200 | 17.860 | -97.200 | 17.710 | -97.100 | 17.710 | -97.100 | 17.610 |
| -97.000 | 17.610 | -97.000 | 17.310 | -96.500 | 17.310 | -96.500 | 17.610 |
| -96.400 | 17.610 | -96.400 | 17.710 | -96.200 | 17.710 | -96.200 | 18.120 |
| -96.100 | 18.120 | -96.100 | 19.160 | -96.000 | 19.160 | -96.000 | 18.120 |
| -95.900 | 18.120 | -95.900 | 18.020 | -92.420 | 17.980 | -71.540 | 17.900 |
| -58.570 | 18.050 | -58.320 | 18.050 | -58.170 | 18.050 | -58.170 | 17.760 |
| -57.920 | 17.760 | -57.920 | 18.180 | -57.220 | 18.210 | -46.070 | 18.100 |
| -45.350 | 18.060 | -45.350 | 17.840 | -45.100 | 17.840 | -45.100 | 18.060 |
| -44.950 | 18.060 | -34.100 | 17.830 | -34.050 | 17.830 | -34.050 | 17.730 |
| -34.000 | 17.730 | -34.000 | 17.530 | -33.800 | 17.530 | -33.800 | 17.730 |
| -33.750 | 17.730 | -33.750 | 17.830 | -33.700 | 17.830 | -21.900 | 18.010 |
| -18.870 | 18.280 | -17.750 | 18.240 | -17.450 | 18.140 | -17.070 | 18.190 |
| -16.720 | 19.090 | -14.020 | 20.290 | -11.850 | 21.370 | -10.350 | 21.430 |
| -3.750 | 21.510 | -3.200 | 21.500 | -3.200 | 21.650 | -3.050 | 21.650 |
| -2.000 | 21.670 | -0.200 | 21.710 | -0.200 | 22.700 | 0.000 | 22.720 |
| 0.200 | 22.700 | 0.200 | 22.400 | 0.500 | 21.490 | 2.100 | 21.350 |
| 6.300 | 18.330 | 7.100 | 18.320 | 7.100 | 18.220 | 9.680 | 18.090 |
| 14.080 | 15.100 | 14.880 | 15.100 | 14.880 | 14.990 | 17.480 | 14.850 |
| 21.080 | 13.710 | 21.980 | 13.010 | 23.060 | 13.280 | 25.060 | 13.710 |
| 25.960 | 14.030 | 29.060 | 14.410 | 40.960 | 14.350 | 42.260 | 13.650 |
| 44.260 | 13.250 | 52.660 | 13.480 | 55.660 | 13.650 | 59.060 | 14.320 |
| 59.960 | 14.220 | 60.760 | 14.030 | 62.260 | 14.410 | 77.760 | 15.010 |
| 86.860 | 15.140 | 99.820 | 15.550 | 125.820 | 16.090 | 143.320 | 14.910 |
| 179.810 | 13.770 | 179.810 | 13.960 | 179.810 | 13.770 | 180.210 | 13.790 |
| 181.610 | 13.190 | 183.910 | 12.890 | 184.810 | 12.790 | 189.810 | 11.940 |
| 194.810 | 11.540 | 199.810 | 11.340 | 204.810 | 11.290 | 209.810 | 11.300 |
| 214.810 | 11.350 | 219.810 | 11.250 | 224.810 | 11.250 | 229.810 | 11.150 |
| 234.810 | 11.100 | 239.810 | 11.110 | 244.810 | 11.110 | 249.810 | 11.110 |
| 254.810 | 11.010 | 259.810 | 10.860 | 264.310 | 11.320 | 264.810 | 12.670 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 265.910 | 12.920 | 265.910 | 13.120 | 268.950 | 13.700 | 269.350 | 13.400 |
| 273.150 | 13.320 | 276.050 | 13.350 | 276.350 | 13.350 | 282.680 | 16.500 |
| 283.970 | 16.600 | 290.970 | 17.100 | 294.320 | 18.860 | 297.420 | 19.070 |
| 302.020 | 19.100 | 304.720 | 20.600 | 304.720 | 20.700 | 306.020 | 20.670 |
| 306.020 | 20.770 | 306.220 | 20.770 | 311.120 | 23.270 | 311.320 | 23.390 |
| 311.320 | 23.910 | 311.320 | 23.390 | 311.970 | 23.660 | 312.370 | 23.620 |
| 318.220 | 23.610 | 318.680 | 23.630 | 324.430 | 20.460 | 328.720 | 20.210 |
| 336.150 | 17.350 | 337.150 | 17.330 | 337.600 | 16.550 | 338.300 | 16.550 |
| 345.130 | 16.370 | 345.680 | 16.370 | 347.150 | 16.500 | | |
| 52.0 | 0.000 | | | | 137 | 75 102 | 51 115 |
| -101.000 | 18.500 | -72.500 | 18.580 | -72.400 | 18.580 | -72.400 | 20.120 |
| -72.200 | 20.120 | -72.200 | 18.660 | -68.700 | 18.660 | -67.200 | 19.220 |
| -67.200 | 20.410 | -66.900 | 20.410 | -66.900 | 18.580 | -66.800 | 18.580 |
| -66.700 | 18.580 | -66.700 | 18.480 | -66.600 | 18.480 | -66.600 | 18.180 |
| -66.200 | 18.180 | -66.200 | 18.480 | -66.100 | 18.480 | -66.100 | 18.580 |
| -65.990 | 18.580 | -61.740 | 18.750 | -57.640 | 18.610 | -57.540 | 18.610 |
| -57.540 | 18.510 | -57.440 | 18.510 | -57.440 | 18.210 | -56.940 | 18.210 |
| -56.940 | 18.510 | -56.840 | 18.510 | -56.840 | 18.610 | -56.740 | 18.610 |
| -55.740 | 18.640 | -53.030 | 18.760 | -49.450 | 18.760 | -44.800 | 18.730 |
| -40.300 | 18.680 | -33.050 | 18.730 | -28.350 | 18.720 | -13.450 | 18.980 |
| -12.250 | 19.180 | -11.300 | 21.240 | -10.650 | 21.510 | -9.800 | 21.570 |
| -3.450 | 21.690 | -2.900 | 21.670 | -2.900 | 21.820 | -2.750 | 21.820 |
| -1.550 | 21.820 | 0.000 | 21.850 | 0.100 | 22.880 | 0.500 | 22.880 |
| 0.500 | 22.580 | 0.850 | 21.690 | 2.400 | 21.540 | 6.850 | 18.540 |
| 7.200 | 18.540 | 9.910 | 18.280 | 14.410 | 15.260 | 14.710 | 15.260 |
| 17.410 | 15.040 | 18.310 | 14.450 | 19.610 | 14.250 | 20.910 | 14.450 |
| 21.610 | 14.690 | 22.410 | 15.850 | 24.410 | 15.530 | 30.110 | 15.450 |
| 34.110 | 14.980 | 38.610 | 15.860 | 41.310 | 15.920 | 43.310 | 14.980 |
| 77.910 | 15.440 | 132.790 | 15.820 | 158.190 | 15.640 | 190.690 | 14.910 |
| 224.080 | 13.770 | 230.480 | 12.890 | 234.080 | 12.490 | 239.080 | 11.940 |
| 244.080 | 11.890 | 249.080 | 11.740 | 254.080 | 11.650 | 259.080 | 11.750 |
| 264.080 | 11.600 | 269.080 | 11.500 | 274.080 | 11.400 | 279.080 | 11.360 |
| 284.080 | 11.160 | 289.080 | 11.010 | 294.080 | 10.560 | 297.080 | 10.160 |
| 299.080 | 10.910 | 300.580 | 11.160 | 300.580 | 12.910 | 300.580 | 13.380 |
| 303.780 | 13.960 | 306.580 | 14.140 | 306.680 | 13.310 | 308.880 | 13.760 |
| 311.880 | 13.970 | 317.570 | 16.710 | 317.970 | 16.760 | 318.670 | 16.780 |
| 326.770 | 17.240 | 329.270 | 17.340 | 332.430 | 19.100 | 335.430 | 19.230 |
| 335.730 | 19.320 | 338.530 | 20.840 | 339.780 | 20.900 | 339.980 | 21.000 |
| 343.830 | 22.940 | 344.230 | 23.100 | 344.230 | 23.550 | 344.230 | 23.100 |
| 344.780 | 23.900 | 346.280 | 23.880 | 352.280 | 23.850 | 352.600 | 23.850 |
| 357.950 | 21.240 | 358.450 | 21.190 | 358.550 | 20.710 | 362.900 | 20.500 |
| 363.200 | 20.530 | 368.150 | 18.400 | 368.690 | 18.290 | 369.170 | 18.250 |
| 369.890 | 16.890 | 370.040 | 16.890 | 370.040 | 16.610 | 370.270 | 16.610 |
| 370.270 | 16.890 | 370.370 | 16.890 | 370.370 | 17.470 | 370.420 | 17.290 |
| 382.850 | 17.220 | | | | | | |
| 52.2 | 0.000 | | | | 165 | 95 128 | 39 145 |
| -33.570 | 18.170 | -33.420 | 18.070 | -33.420 | 17.770 | -33.070 | 17.770 |
| -33.070 | 18.070 | -32.870 | 18.170 | -30.120 | 18.130 | -30.020 | 18.130 |
| -30.020 | 17.830 | -29.670 | 17.830 | -29.670 | 18.130 | -29.570 | 18.230 |
| -29.470 | 18.230 | -29.070 | 18.240 | -18.570 | 18.900 | -18.240 | 18.900 |
| -18.240 | 19.030 | -17.670 | 19.200 | -16.910 | 19.210 | -16.810 | 19.460 |
| -15.560 | 19.490 | -15.160 | 20.280 | -14.910 | 20.360 | -14.910 | 20.500 |
| -14.810 | 20.410 | -14.410 | 20.430 | -6.150 | 20.480 | -2.300 | 20.470 |
| -2.300 | 22.350 | -2.000 | 22.350 | -1.800 | 22.350 | 0.000 | 22.300 |
| 0.000 | 22.580 | 0.000 | 22.300 | 1.100 | 22.300 | 1.100 | 23.330 |
| 1.700 | 23.330 | 1.700 | 22.100 | 3.200 | 21.930 | 3.200 | 20.210 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 7.700 | 18.330 | 12.000 | 17.640 | 21.200 | 17.490 | 25.200 | 15.560 |
| 25.800 | 15.480 | 26.000 | 15.000 | 26.600 | 14.690 | 31.200 | 14.740 |
| 31.600 | 15.000 | 31.800 | 15.420 | 32.800 | 15.540 | 35.100 | 16.480 |
| 36.280 | 16.920 | 36.280 | 19.150 | 36.400 | 19.160 | 36.520 | 19.150 |
| 44.000 | 19.260 | 44.000 | 20.260 | 44.200 | 20.260 | 45.720 | 20.260 |
| 69.340 | 20.240 | 70.640 | 20.240 | 71.240 | 20.160 | 73.340 | 20.250 |
| 75.800 | 20.170 | 76.350 | 20.170 | 79.450 | 20.280 | 79.450 | 20.090 |
| 96.850 | 20.170 | 111.950 | 20.380 | 112.050 | 20.110 | 118.700 | 20.110 |
| 118.850 | 20.430 | 121.850 | 20.450 | 121.850 | 20.790 | 122.350 | 20.790 |
| 145.850 | 20.450 | 152.550 | 20.450 | 157.750 | 19.850 | 158.250 | 19.850 |
| 161.650 | 19.900 | 161.900 | 19.850 | 162.450 | 19.850 | 179.300 | 19.940 |
| 182.400 | 20.150 | 182.400 | 21.060 | 182.750 | 21.060 | 182.750 | 19.730 |
| 182.850 | 19.430 | 183.650 | 16.510 | 183.750 | 16.510 | 183.850 | 16.270 |
| 186.940 | 16.240 | 200.850 | 15.720 | 226.950 | 15.560 | 230.650 | 15.100 |
| 250.350 | 14.680 | 282.480 | 15.260 | 322.480 | 15.220 | 345.900 | 14.260 |
| 353.120 | 13.600 | 353.120 | 13.840 | 353.120 | 13.600 | 364.120 | 12.910 |
| 368.120 | 12.610 | 373.120 | 12.510 | 378.120 | 12.460 | 383.120 | 12.510 |
| 388.120 | 12.460 | 393.120 | 12.420 | 398.120 | 12.370 | 403.120 | 12.370 |
| 408.120 | 12.120 | 413.120 | 12.070 | 418.120 | 11.920 | 423.120 | 11.770 |
| 428.120 | 11.730 | 433.120 | 11.080 | 438.120 | 11.080 | 439.620 | 11.230 |
| 440.920 | 12.930 | 442.120 | 14.400 | 445.010 | 14.510 | 446.010 | 14.160 |
| 446.160 | 13.890 | 449.910 | 13.800 | 455.960 | 16.910 | 457.260 | 16.960 |
| 458.360 | 17.430 | 459.260 | 17.480 | 466.960 | 17.900 | 469.260 | 17.920 |
| 471.730 | 19.310 | 474.730 | 19.410 | 474.730 | 19.520 | 475.030 | 19.520 |
| 477.830 | 20.980 | 479.130 | 21.070 | 479.130 | 21.170 | 479.330 | 21.170 |
| 483.430 | 23.120 | 483.730 | 23.240 | 483.730 | 23.710 | 483.730 | 23.240 |
| 485.430 | 24.030 | 485.730 | 24.000 | 491.730 | 24.010 | 492.140 | 24.010 |
| 497.290 | 21.380 | 497.840 | 21.340 | 498.040 | 20.910 | 502.190 | 20.770 |
| 502.390 | 20.750 | 506.440 | 19.030 | 511.490 | 18.750 | 511.810 | 18.230 |
| 511.960 | 18.210 | 512.010 | 17.920 | 512.310 | 17.920 | 512.310 | 18.220 |
| 528.030 | 18.120 | 528.630 | 18.120 | 533.090 | 18.040 | 533.690 | 18.040 |
| 533.690 | 18.180 | | | | | | |
| 52.4 | 0.000 | | | | 184 | 122 | 159 |
| -100.700 | 17.900 | -97.690 | 17.900 | -97.690 | 19.050 | -97.590 | 74 |
| -97.590 | 17.850 | -97.090 | 17.850 | -94.040 | 17.850 | -83.790 | 176 |
| -83.790 | 17.550 | -83.790 | 17.250 | -83.290 | 17.250 | -83.290 | 19.050 |
| -83.190 | 17.550 | -83.190 | 17.650 | -83.140 | 17.650 | -76.670 | 17.650 |
| -75.380 | 17.870 | -72.820 | 17.940 | -71.520 | 17.940 | -64.320 | 17.870 |
| -64.170 | 17.930 | -64.170 | 17.830 | -64.070 | 17.830 | -64.070 | 17.930 |
| -63.570 | 17.530 | -63.570 | 17.830 | -63.470 | 17.830 | -63.470 | 17.530 |
| -63.420 | 17.930 | -63.420 | 18.390 | -63.320 | 18.390 | -57.220 | 17.930 |
| -57.120 | 18.450 | -57.120 | 18.380 | -55.350 | 18.450 | -50.380 | 18.450 |
| -50.380 | 18.770 | -50.280 | 18.770 | -50.230 | 18.770 | -50.230 | 18.590 |
| -37.890 | 19.660 | -37.890 | 19.900 | -35.620 | 20.070 | -32.660 | 18.770 |
| -16.740 | 19.520 | -15.890 | 19.530 | -15.590 | 20.120 | -15.040 | 19.660 |
| -14.390 | 20.330 | -13.610 | 20.320 | -13.510 | 20.320 | -13.510 | 20.330 |
| -13.460 | 20.220 | -13.460 | 19.920 | -13.160 | 19.920 | -13.160 | 20.320 |
| -13.110 | 20.220 | -13.110 | 20.320 | -13.010 | 20.320 | -12.940 | 20.220 |
| -12.490 | 20.340 | -4.370 | 20.570 | -4.170 | 20.980 | -2.110 | 20.320 |
| 0.000 | 21.850 | 0.000 | 22.350 | 0.000 | 21.850 | 1.600 | 21.030 |
| 4.150 | 22.550 | 4.600 | 22.550 | 4.600 | 23.560 | 5.200 | 22.510 |
| 5.200 | 22.560 | 5.300 | 22.260 | 6.300 | 20.820 | 13.050 | 23.560 |
| 21.400 | 17.470 | 24.900 | 17.360 | 31.700 | 17.140 | 33.100 | 17.470 |
| 34.300 | 15.720 | 34.600 | 15.000 | 34.800 | 14.870 | 39.400 | 15.720 |
| 39.700 | 15.000 | 39.800 | 15.450 | 42.300 | 16.890 | 50.600 | 15.000 |
| 62.600 | 17.440 | 76.200 | 17.500 | 91.000 | 17.650 | 99.000 | 17.440 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 100.600 | 17.510 | 100.900 | 20.710 | 150.600 | 20.140 | 150.900 | 20.140 |
| 150.900 | 20.030 | 151.500 | 20.030 | 154.000 | 20.170 | 156.600 | 20.000 |
| 157.200 | 20.000 | 202.350 | 20.080 | 217.250 | 20.080 | 217.650 | 20.380 |
| 223.550 | 20.380 | 223.650 | 20.540 | 225.850 | 20.540 | 225.850 | 19.850 |
| 226.350 | 19.850 | 230.050 | 19.830 | 230.650 | 19.830 | 256.650 | 20.050 |
| 258.050 | 20.050 | 258.050 | 21.250 | 258.350 | 21.250 | 258.350 | 19.950 |
| 258.450 | 19.950 | 258.450 | 19.700 | 258.450 | 18.300 | 259.550 | 16.150 |
| 262.750 | 16.080 | 271.550 | 15.890 | 282.450 | 14.740 | 302.260 | 15.170 |
| 331.450 | 15.440 | 348.350 | 14.980 | 358.460 | 14.130 | 358.460 | 14.250 |
| 358.460 | 14.130 | 363.960 | 13.500 | 368.660 | 12.960 | 373.460 | 12.360 |
| 378.460 | 12.160 | 383.460 | 12.060 | 388.460 | 11.960 | 393.460 | 11.810 |
| 398.460 | 11.660 | 403.460 | 11.850 | 408.460 | 12.050 | 413.460 | 12.700 |
| 415.060 | 12.950 | 428.230 | 14.830 | 428.230 | 14.950 | 428.230 | 14.830 |
| 431.640 | 15.160 | 439.040 | 15.440 | 446.640 | 15.490 | 454.640 | 15.580 |
| 464.640 | 15.560 | 473.940 | 15.420 | 481.340 | 15.160 | 489.340 | 14.900 |
| 496.740 | 14.360 | 501.640 | 14.310 | 506.540 | 13.600 | 509.840 | 13.500 |
| 518.140 | 13.220 | 526.140 | 13.100 | 534.840 | 17.090 | 535.840 | 17.130 |
| 535.840 | 17.230 | 540.640 | 17.440 | 543.040 | 17.640 | 543.540 | 17.760 |
| 547.890 | 20.050 | 548.800 | 20.030 | 555.000 | 20.730 | 556.900 | 20.760 |
| 561.400 | 21.150 | 565.600 | 21.370 | 569.500 | 23.170 | 569.500 | 23.320 |
| 570.000 | 23.500 | 570.000 | 23.940 | 570.000 | 23.500 | 571.550 | 24.200 |
| 572.200 | 24.200 | 580.350 | 24.130 | 580.810 | 24.170 | 586.430 | 21.320 |
| 592.900 | 20.990 | 593.260 | 20.370 | 593.880 | 20.360 | 594.280 | 20.360 |
| 52.6 | 0.000 | | | | 208 | 67 121 | 26 184 |
| -48.580 | 18.490 | -48.580 | 18.730 | -48.430 | 18.730 | -48.430 | 18.840 |
| -38.630 | 19.710 | -37.430 | 19.770 | -20.380 | 19.580 | -18.460 | 19.550 |
| -17.760 | 19.580 | -17.560 | 20.110 | -16.860 | 20.320 | -16.460 | 20.310 |
| -16.210 | 20.300 | -16.060 | 20.200 | -16.060 | 19.900 | -15.760 | 19.900 |
| -15.760 | 20.200 | -15.610 | 20.300 | -15.460 | 20.290 | -15.160 | 20.300 |
| -7.000 | 20.560 | -6.800 | 20.950 | -4.800 | 20.990 | -1.500 | 22.450 |
| 0.000 | 22.620 | 0.000 | 22.920 | 0.000 | 22.620 | 1.000 | 22.560 |
| 1.300 | 22.560 | 1.300 | 23.570 | 1.800 | 23.570 | 1.800 | 22.570 |
| 1.900 | 22.570 | 1.900 | 22.270 | 2.900 | 20.960 | 9.700 | 17.720 |
| 16.700 | 17.670 | 29.400 | 17.450 | 32.900 | 15.580 | 33.100 | 15.050 |
| 33.400 | 14.780 | 36.320 | 14.740 | 36.620 | 15.050 | 36.820 | 15.540 |
| 37.320 | 17.220 | 40.320 | 17.380 | 40.320 | 17.520 | 40.320 | 17.380 |
| 40.920 | 17.520 | 63.320 | 17.950 | 66.520 | 18.030 | 82.520 | 18.010 |
| 94.220 | 18.090 | 105.220 | 18.090 | 132.620 | 18.060 | 133.120 | 20.460 |
| 133.820 | 20.460 | 133.920 | 20.510 | 142.220 | 20.590 | 142.420 | 20.890 |
| 143.720 | 20.890 | 189.720 | 20.180 | 190.420 | 20.180 | 198.220 | 20.200 |
| 199.020 | 20.200 | 257.430 | 20.550 | 262.430 | 20.550 | 262.430 | 21.440 |
| 262.730 | 21.440 | 262.730 | 20.130 | 262.830 | 19.780 | 262.930 | 19.130 |
| 264.030 | 15.930 | 267.820 | 15.820 | 268.380 | 15.830 | 268.380 | 15.650 |
| 269.380 | 15.600 | 269.380 | 15.300 | 270.430 | 15.280 | 270.430 | 14.830 |
| 272.330 | 14.240 | 274.830 | 13.710 | 277.830 | 13.710 | 282.830 | 13.720 |
| 287.830 | 13.800 | 293.830 | 13.860 | 298.830 | 13.910 | 303.830 | 14.150 |
| 304.430 | 14.230 | 305.830 | 14.540 | 308.820 | 14.970 | 314.510 | 15.380 |
| 324.510 | 15.270 | 335.510 | 15.150 | 338.010 | 14.860 | 339.510 | 14.560 |
| 342.110 | 14.370 | 344.410 | 14.450 | 347.830 | 14.120 | 350.630 | 13.620 |
| 352.730 | 13.060 | 357.830 | 12.160 | 362.830 | 12.160 | 367.830 | 12.060 |
| 372.830 | 11.860 | 377.830 | 12.210 | 382.830 | 12.910 | 384.430 | 13.060 |
| 396.920 | 13.830 | 396.920 | 13.970 | 396.920 | 13.830 | 399.690 | 14.130 |
| 416.190 | 14.660 | 426.690 | 14.850 | 436.690 | 14.830 | 444.490 | 14.830 |
| 453.690 | 14.960 | 462.290 | 15.040 | 476.690 | 15.130 | 486.690 | 15.420 |
| 497.690 | 15.730 | 507.490 | 15.730 | 517.090 | 15.180 | 527.290 | 14.820 |
| 529.590 | 14.750 | 535.540 | 17.300 | 536.540 | 17.350 | 536.540 | 17.450 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 536.690 | 17.450 | 536.890 | 17.510 | 539.790 | 17.650 | 541.790 | 17.700 |
| 545.490 | 17.860 | 546.990 | 17.850 | 547.290 | 17.880 | 556.690 | 18.190 |
| 566.690 | 18.330 | 573.190 | 18.460 | 581.490 | 18.580 | 581.790 | 18.520 |
| 583.390 | 18.540 | 584.090 | 18.630 | 586.690 | 18.900 | 586.990 | 18.970 |
| 588.840 | 19.930 | 589.340 | 19.980 | 589.740 | 20.280 | 590.540 | 20.390 |
| 593.840 | 20.590 | 596.340 | 21.010 | 599.140 | 21.110 | 601.040 | 21.130 |
| 601.140 | 21.050 | 607.340 | 20.820 | 612.040 | 20.830 | 617.940 | 20.900 |
| 618.440 | 20.550 | 620.140 | 20.750 | 631.040 | 20.700 | 643.340 | 20.750 |
| 643.340 | 21.140 | 643.440 | 21.140 | 643.440 | 21.740 | 643.740 | 21.740 |
| 643.740 | 21.150 | 648.540 | 21.150 | 648.840 | 20.110 | 649.440 | 20.150 |
| 649.640 | 21.630 | 650.840 | 21.630 | 651.040 | 21.320 | 653.840 | 21.570 |
| 654.140 | 20.120 | 654.940 | 20.120 | 674.120 | 20.070 | 674.520 | 20.060 |
| 675.020 | 20.070 | 676.320 | 20.230 | 679.020 | 20.330 | 681.020 | 20.400 |
| 689.220 | 23.820 | 689.570 | 23.850 | 690.220 | 23.940 | 690.220 | 24.340 |
| 690.220 | 23.940 | 691.020 | 23.930 | 693.720 | 23.920 | 695.020 | 23.880 |
| 700.150 | 20.960 | 705.050 | 20.520 | 706.850 | 20.130 | 716.990 | 19.690 |
| 717.190 | 19.650 | 717.640 | 19.620 | 717.640 | 19.730 | 717.740 | 19.730 |
| 717.740 | 20.810 | 717.840 | 19.660 | 718.810 | 19.660 | 723.710 | 19.370 |
| 725.740 | 17.620 | 726.740 | 17.330 | 727.290 | 17.330 | 730.290 | 17.330 |
| 730.840 | 17.330 | 730.940 | 17.410 | 730.940 | 17.570 | 735.170 | 17.480 |
| 52.8 | 0.000 | | | | 206 | 115 159 | 35 191 |
| -43.580 | 18.570 | -43.580 | 21.550 | -43.430 | 21.550 | -43.430 | 22.630 |
| -43.280 | 22.630 | -43.280 | 21.560 | -36.280 | 21.470 | -36.280 | 23.880 |
| -29.400 | 21.590 | -27.900 | 21.580 | -27.900 | 21.430 | -21.300 | 20.970 |
| -21.100 | 20.920 | -21.100 | 20.620 | -20.800 | 20.620 | -20.750 | 20.970 |
| -17.800 | 20.710 | -16.200 | 20.680 | -13.100 | 20.730 | -12.500 | 20.690 |
| -5.550 | 20.810 | -5.200 | 21.340 | -3.900 | 21.380 | -1.200 | 22.640 |
| 0.000 | 22.700 | 0.000 | 22.960 | 0.000 | 22.700 | 1.900 | 22.640 |
| 2.300 | 22.650 | 2.300 | 23.640 | 2.800 | 23.640 | 2.800 | 22.660 |
| 2.900 | 22.660 | 2.900 | 22.100 | 3.700 | 20.980 | 6.400 | 19.550 |
| 9.200 | 18.830 | 10.200 | 18.840 | 10.200 | 18.980 | 10.500 | 18.980 |
| 10.500 | 18.770 | 26.800 | 18.900 | 37.500 | 18.770 | 37.500 | 18.990 |
| 37.680 | 18.990 | 37.680 | 18.710 | 37.980 | 18.670 | 38.680 | 18.660 |
| 40.480 | 18.160 | 42.380 | 17.110 | 44.980 | 15.490 | 45.180 | 15.050 |
| 45.480 | 14.800 | 48.680 | 14.800 | 48.680 | 15.050 | 48.980 | 15.530 |
| 53.700 | 17.790 | 54.400 | 17.850 | 54.400 | 18.090 | 55.100 | 18.120 |
| 55.100 | 19.270 | 55.300 | 19.270 | 55.300 | 19.170 | 56.900 | 19.170 |
| 73.900 | 19.030 | 75.700 | 18.930 | 76.400 | 18.930 | 78.600 | 18.910 |
| 80.900 | 18.840 | 81.200 | 18.770 | 87.900 | 18.930 | 120.400 | 19.210 |
| 120.500 | 20.020 | 129.800 | 20.020 | 130.000 | 19.210 | 130.500 | 19.210 |
| 146.000 | 19.350 | 146.000 | 19.720 | 148.300 | 19.720 | 148.300 | 20.340 |
| 148.500 | 20.340 | 148.500 | 19.150 | 149.100 | 19.150 | 151.700 | 19.230 |
| 153.700 | 19.150 | 154.400 | 19.150 | 154.700 | 20.050 | 158.700 | 20.050 |
| 233.860 | 22.370 | 241.660 | 22.170 | 241.660 | 22.050 | 243.360 | 22.070 |
| 247.260 | 22.130 | 249.760 | 22.080 | 251.260 | 22.030 | 251.260 | 22.630 |
| 251.410 | 22.630 | 251.410 | 22.030 | 251.510 | 22.030 | 251.510 | 21.730 |
| 252.260 | 19.430 | 257.760 | 16.390 | 260.870 | 16.330 | 261.070 | 16.320 |
| 261.370 | 14.870 | 263.270 | 14.180 | 267.370 | 13.760 | 277.090 | 13.710 |
| 284.790 | 14.220 | 289.100 | 15.860 | 294.300 | 17.750 | 300.100 | 19.170 |
| 304.500 | 19.240 | 323.180 | 16.720 | 340.080 | 16.490 | 346.100 | 15.840 |
| 348.600 | 15.490 | 354.750 | 14.240 | 356.100 | 13.890 | 361.100 | 13.550 |
| 366.100 | 13.350 | 371.100 | 13.500 | 376.100 | 13.750 | 378.300 | 14.200 |
| 380.100 | 14.050 | 381.100 | 13.650 | 386.100 | 13.600 | 391.100 | 13.600 |
| 396.100 | 13.600 | 401.100 | 13.650 | 406.100 | 13.650 | 411.100 | 13.750 |
| 416.100 | 13.860 | 421.100 | 13.860 | 426.100 | 13.910 | 431.100 | 13.860 |
| 436.100 | 13.910 | 441.100 | 13.910 | 446.100 | 13.910 | 451.100 | 13.810 |

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|----------|--------|----------|--------|---------|--------|---------|--------|
| 456.100 | 13.760 | 461.100 | 13.910 | 466.100 | 13.870 | 471.100 | 13.970 |
| 476.100 | 14.020 | 481.100 | 14.120 | 486.100 | 14.120 | 490.900 | 14.270 |
| 497.100 | 14.360 | 500.700 | 14.570 | 502.400 | 14.930 | 504.060 | 14.250 |
| 505.460 | 14.070 | 505.960 | 14.250 | 507.560 | 14.580 | 515.060 | 17.610 |
| 515.860 | 17.640 | 515.860 | 17.750 | 516.260 | 17.780 | 520.760 | 17.970 |
| 524.290 | 21.150 | 524.290 | 21.640 | 524.490 | 21.640 | 524.490 | 22.250 |
| 524.740 | 22.250 | 524.740 | 21.640 | 524.990 | 21.630 | 529.790 | 21.720 |
| 534.890 | 21.840 | 535.490 | 21.810 | 607.790 | 20.540 | 610.790 | 20.520 |
| 610.790 | 20.360 | 612.890 | 20.320 | 613.090 | 20.360 | 620.090 | 20.360 |
| 637.390 | 20.210 | 645.390 | 20.100 | 647.890 | 20.100 | 648.690 | 20.100 |
| 649.890 | 20.200 | 683.810 | 20.220 | 697.910 | 20.370 | 698.010 | 20.570 |
| 705.460 | 20.770 | 706.210 | 20.770 | 709.650 | 23.040 | 709.850 | 23.040 |
| 710.250 | 23.930 | 710.250 | 24.260 | 710.650 | 24.260 | 710.650 | 23.310 |
| 711.320 | 23.320 | 711.320 | 23.890 | 711.320 | 23.320 | 712.440 | 23.310 |
| 715.150 | 20.070 | 718.700 | 20.030 | 719.250 | 20.030 | 721.830 | 20.010 |
| 721.830 | 19.620 | 736.880 | 19.400 | 736.980 | 19.400 | 736.980 | 19.110 |
| 743.030 | 18.990 | 753.030 | 18.830 | | | | |
| 53.0 | 0.000 | | | | 160 | 53.90 | 22.138 |
| -101.280 | 19.080 | -100.080 | 18.390 | -95.080 | 16.490 | -93.480 | 14.790 |
| -91.080 | 14.870 | -90.180 | 15.620 | -89.380 | 16.850 | -88.380 | 17.270 |
| -85.280 | 18.650 | -82.880 | 20.250 | -81.980 | 20.350 | -81.630 | 20.370 |
| -75.280 | 20.480 | -70.130 | 20.460 | -69.880 | 20.460 | -42.630 | 20.600 |
| -11.830 | 20.680 | -11.430 | 21.170 | -8.460 | 21.160 | -8.280 | 21.160 |
| -8.280 | 22.150 | -7.430 | 22.150 | -7.430 | 20.410 | -5.500 | 20.220 |
| -5.100 | 20.160 | -5.100 | 20.060 | -5.050 | 20.060 | -5.050 | 19.760 |
| -4.750 | 19.760 | -4.750 | 20.060 | -4.700 | 20.060 | -4.700 | 20.160 |
| -0.350 | 20.140 | -0.050 | 20.090 | -0.050 | 20.140 | 0.000 | 20.150 |
| 0.300 | 20.140 | 0.300 | 20.730 | 0.500 | 20.730 | 0.500 | 20.150 |
| 0.600 | 19.860 | 1.300 | 18.660 | 5.480 | 17.520 | 6.980 | 16.710 |
| 10.580 | 16.590 | 20.380 | 16.590 | 26.380 | 19.830 | 27.900 | 19.200 |
| 38.500 | 18.880 | 49.900 | 17.380 | 62.700 | 16.860 | 77.900 | 16.760 |
| 102.400 | 16.170 | 114.400 | 15.650 | 121.930 | 15.260 | 142.830 | 14.260 |
| 146.930 | 13.960 | 151.930 | 13.810 | 156.930 | 13.770 | 161.930 | 13.670 |
| 166.930 | 13.670 | 171.930 | 13.620 | 176.930 | 13.520 | 181.930 | 13.420 |
| 186.930 | 13.420 | 191.930 | 13.270 | 196.930 | 13.220 | 201.930 | 13.070 |
| 206.930 | 12.880 | 211.930 | 12.730 | 216.930 | 12.680 | 221.930 | 12.580 |
| 226.930 | 12.580 | 231.930 | 12.580 | 236.930 | 12.880 | 237.330 | 12.980 |
| 237.330 | 13.880 | 238.230 | 14.280 | 238.830 | 14.430 | 240.900 | 14.470 |
| 243.590 | 14.520 | 243.590 | 14.900 | 243.990 | 14.900 | 246.090 | 16.540 |
| 246.390 | 16.540 | 248.090 | 16.860 | 250.090 | 18.930 | 250.090 | 19.170 |
| 250.290 | 19.170 | 251.590 | 19.150 | 251.590 | 19.030 | 257.190 | 19.260 |
| 257.540 | 21.230 | 257.540 | 21.480 | 257.640 | 21.480 | 257.940 | 21.680 |
| 262.040 | 21.680 | 272.040 | 21.680 | 281.440 | 21.290 | 281.540 | 20.520 |
| 284.440 | 20.520 | 291.640 | 20.510 | 292.040 | 20.510 | 292.040 | 20.230 |
| 292.190 | 20.230 | 292.640 | 20.230 | 294.840 | 20.270 | 376.540 | 20.410 |
| 294.990 | 20.390 | 297.440 | 20.390 | 306.240 | 20.390 | 314.540 | 20.170 |
| 332.940 | 20.170 | 333.440 | 19.900 | 334.140 | 19.900 | 334.540 | 19.950 |
| 337.640 | 19.950 | 338.640 | 19.820 | 339.040 | 19.820 | 344.940 | 19.820 |
| 347.740 | 19.820 | 348.140 | 19.820 | 361.540 | 19.840 | 375.040 | 19.800 |
| 376.540 | 19.800 | 376.740 | 19.800 | 378.440 | 19.790 | 386.540 | 19.790 |
| 386.740 | 19.790 | 410.970 | 20.190 | 410.970 | 21.730 | 420.070 | 21.730 |
| 420.070 | 21.440 | 420.870 | 21.600 | 421.370 | 21.610 | 422.070 | 23.080 |
| 422.070 | 23.400 | 422.170 | 23.400 | 422.170 | 24.410 | 422.770 | 24.410 |
| 422.770 | 23.390 | 423.370 | 23.380 | 424.400 | 23.430 | 424.400 | 23.700 |
| 424.400 | 23.430 | 425.190 | 23.390 | 426.290 | 22.060 | 430.090 | 21.940 |
| 430.670 | 21.930 | 431.730 | 21.410 | 432.080 | 21.130 | 433.080 | 19.320 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 445.650 | 19.060 | 445.650 | 20.950 | 445.850 | 20.950 | 445.850 | 19.210 |
| 450.180 | 19.200 | 450.980 | 19.200 | 454.030 | 19.050 | 454.230 | 18.760 |
| 53.2 | 0.000 | | | | 162 | 47.85 | 20.137 |
| -45.180 | 20.970 | -45.180 | 21.160 | -44.980 | 21.160 | -44.680 | 21.370 |
| -42.180 | 21.660 | -36.380 | 21.880 | -36.180 | 22.430 | -31.680 | 22.460 |
| -28.880 | 22.460 | -28.880 | 22.690 | -27.960 | 22.690 | -27.030 | 22.690 |
| -27.030 | 22.520 | -19.780 | 22.500 | -17.600 | 21.510 | -14.500 | 21.460 |
| -14.500 | 21.890 | -14.050 | 21.890 | -14.050 | 21.480 | -13.950 | 20.140 |
| -8.550 | 20.090 | -8.550 | 19.980 | 0.000 | 19.780 | 0.000 | 20.110 |
| 0.000 | 19.780 | 1.300 | 19.760 | 1.500 | 19.760 | 1.900 | 18.790 |
| 3.100 | 18.670 | 5.800 | 16.890 | 7.000 | 16.770 | 9.000 | 14.920 |
| 10.500 | 14.920 | 12.500 | 16.590 | 14.480 | 17.280 | 17.680 | 19.320 |
| 22.780 | 19.220 | 24.080 | 18.830 | 26.080 | 18.780 | 26.680 | 18.590 |
| 28.080 | 18.460 | 29.680 | 18.930 | 41.380 | 19.180 | 44.200 | 18.950 |
| 44.200 | 19.050 | 44.200 | 18.950 | 45.600 | 18.910 | 46.800 | 18.120 |
| 51.700 | 17.500 | 54.000 | 17.490 | 70.500 | 17.270 | 71.600 | 17.010 |
| 95.800 | 16.940 | 124.700 | 16.290 | 141.500 | 16.380 | 162.670 | 15.290 |
| 174.170 | 14.280 | 177.670 | 14.030 | 182.670 | 13.730 | 187.670 | 13.380 |
| 192.670 | 13.130 | 197.670 | 12.980 | 202.670 | 12.830 | 207.670 | 12.740 |
| 212.670 | 12.640 | 217.670 | 12.340 | 222.670 | 12.040 | 227.670 | 12.190 |
| 232.670 | 11.940 | 237.670 | 12.590 | 238.670 | 12.740 | 240.670 | 13.840 |
| 240.670 | 14.290 | 240.670 | 14.420 | 242.620 | 14.520 | 246.720 | 14.560 |
| 246.720 | 14.990 | 247.120 | 14.990 | 249.220 | 16.560 | 249.520 | 16.560 |
| 251.120 | 16.910 | 253.070 | 18.810 | 253.070 | 19.030 | 253.220 | 19.030 |
| 254.520 | 19.040 | 254.520 | 18.930 | 259.820 | 19.080 | 260.520 | 21.380 |
| 260.620 | 21.380 | 260.620 | 21.660 | 260.720 | 21.660 | 260.720 | 22.490 |
| 261.020 | 22.490 | 261.020 | 21.660 | 261.520 | 21.660 | 261.520 | 21.530 |
| 262.020 | 21.530 | 276.010 | 21.530 | 285.610 | 21.580 | 285.710 | 21.670 |
| 288.210 | 21.900 | 294.010 | 21.880 | 295.410 | 22.040 | 295.710 | 21.080 |
| 296.610 | 21.000 | 296.610 | 20.620 | 298.710 | 20.420 | 298.710 | 20.900 |
| 300.410 | 20.900 | 325.210 | 19.900 | 327.710 | 20.200 | 327.710 | 20.600 |
| 328.510 | 20.600 | 328.710 | 19.850 | 328.960 | 19.850 | 329.660 | 19.850 |
| 332.810 | 19.830 | 333.260 | 19.830 | 333.410 | 19.830 | 335.110 | 19.900 |
| 355.410 | 20.040 | 355.510 | 20.630 | 355.910 | 20.850 | 364.610 | 20.680 |
| 369.060 | 20.420 | 369.210 | 20.420 | 369.210 | 20.570 | 378.610 | 20.730 |
| 378.610 | 20.860 | 383.110 | 20.750 | 392.510 | 20.830 | 397.710 | 20.780 |
| 400.910 | 20.690 | 402.990 | 22.210 | 402.990 | 23.130 | 402.990 | 23.450 |
| 403.090 | 24.450 | 403.640 | 24.450 | 403.640 | 23.490 | 404.740 | 23.450 |
| 404.740 | 23.590 | 405.290 | 23.460 | 405.290 | 23.870 | 405.290 | 23.460 |
| 405.740 | 23.460 | 405.740 | 23.640 | 406.040 | 23.640 | 407.160 | 22.160 |
| 411.290 | 21.900 | 411.900 | 21.830 | 417.140 | 19.370 | 419.140 | 18.770 |
| 420.420 | 18.720 | 420.420 | 18.390 | 421.100 | 18.380 | 437.200 | 18.520 |
| 437.600 | 18.390 | 439.600 | 18.310 | 440.150 | 18.310 | 440.150 | 18.450 |
| 440.800 | 18.420 | 454.850 | 18.420 | | | | |
| 53.4 | 0.000 | | | | 125 | 19.55 | 1.97 |
| -16.050 | 20.730 | -14.750 | 20.460 | -10.500 | 20.340 | -5.300 | 20.350 |
| -0.400 | 20.320 | 0.000 | 20.340 | 1.300 | 20.280 | 1.900 | 20.020 |
| 2.100 | 19.220 | 3.000 | 18.960 | 6.100 | 17.200 | 7.400 | 16.860 |
| 9.400 | 14.920 | 10.900 | 14.920 | 12.900 | 16.870 | 18.000 | 19.430 |
| 21.200 | 19.370 | 29.300 | 18.420 | 43.190 | 17.580 | 44.190 | 17.740 |
| 47.790 | 17.670 | 64.290 | 17.160 | 106.690 | 16.990 | 177.020 | 14.950 |
| 183.520 | 14.730 | 190.020 | 14.260 | 192.020 | 14.110 | 197.020 | 13.660 |
| 202.020 | 13.360 | 207.020 | 13.210 | 212.020 | 12.970 | 217.020 | 13.070 |
| 222.020 | 12.770 | 227.020 | 12.620 | 232.020 | 12.570 | 237.020 | 12.580 |
| 238.520 | 12.630 | 240.520 | 13.680 | 241.870 | 13.930 | 241.870 | 14.280 |
| 241.870 | 14.590 | 243.800 | 14.350 | 243.800 | 14.650 | 243.800 | 14.350 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 246.420 | 14.700 | 246.420 | 15.050 | 246.820 | 15.070 | 248.920 | 16.680 |
| 249.220 | 16.680 | 250.120 | 16.790 | 253.520 | 19.390 | 253.670 | 19.400 |
| 253.820 | 19.610 | 254.020 | 19.600 | 254.330 | 19.590 | 255.520 | 19.700 |
| 261.420 | 19.870 | 267.260 | 21.280 | 268.670 | 21.710 | 273.560 | 22.020 |
| 273.670 | 22.020 | 285.170 | 21.250 | 297.170 | 20.550 | 306.870 | 20.460 |
| 324.170 | 20.380 | 336.970 | 20.330 | 339.070 | 20.280 | 339.620 | 20.280 |
| 341.570 | 20.380 | 344.370 | 20.280 | 344.920 | 20.280 | 346.670 | 20.260 |
| 347.170 | 20.250 | 347.370 | 20.250 | 349.370 | 20.320 | 349.570 | 20.520 |
| 354.870 | 20.450 | 358.570 | 20.450 | 361.820 | 20.440 | 361.970 | 20.520 |
| 367.020 | 20.520 | 367.170 | 20.520 | 369.870 | 20.460 | 373.470 | 21.320 |
| 374.570 | 21.320 | 382.870 | 21.100 | 383.770 | 21.100 | 384.870 | 20.350 |
| 388.270 | 20.400 | 391.170 | 22.250 | 391.170 | 23.370 | 391.170 | 23.690 |
| 391.270 | 24.690 | 391.870 | 24.690 | 391.870 | 23.710 | 393.520 | 23.690 |
| 393.520 | 23.940 | 393.520 | 23.690 | 394.020 | 23.730 | 394.020 | 23.890 |
| 394.270 | 23.890 | 395.520 | 22.400 | 399.820 | 22.280 | 400.020 | 22.250 |
| 403.720 | 20.190 | 404.320 | 20.120 | 407.620 | 20.100 | 407.820 | 20.090 |
| 410.020 | 19.650 | 410.320 | 18.770 | 411.270 | 18.800 | 413.270 | 18.820 |
| 413.270 | 20.480 | 413.420 | 20.480 | 413.420 | 18.780 | 414.640 | 18.780 |
| 420.490 | 18.820 | 421.490 | 18.820 | 421.490 | 20.300 | 421.690 | 20.300 |
| 421.690 | 19.470 | 421.840 | 19.470 | 421.840 | 18.570 | 433.220 | 18.450 |
| 433.470 | 18.180 | | | | | | |
| 53.6 | 0.000 | | | | 123 | 24 61 | 1 121 |
| -46.380 | 22.280 | -43.780 | 20.990 | -43.480 | 20.470 | -40.980 | 20.380 |
| -40.980 | 20.970 | -40.680 | 20.970 | -26.480 | 20.610 | -25.380 | 21.560 |
| -24.180 | 21.940 | -15.350 | 21.660 | -13.350 | 20.710 | -6.200 | 20.660 |
| -4.500 | 20.650 | -0.300 | 20.460 | -0.300 | 20.610 | 0.000 | 20.610 |
| 0.000 | 20.600 | 4.750 | 17.480 | 8.650 | 17.740 | 14.550 | 16.970 |
| 16.150 | 17.040 | 16.650 | 16.620 | 17.350 | 16.530 | 18.050 | 17.080 |
| 47.450 | 15.910 | 47.450 | 16.020 | 47.450 | 15.910 | 70.550 | 15.640 |
| 72.450 | 15.610 | 77.450 | 15.530 | 82.450 | 15.480 | 87.450 | 15.520 |
| 92.450 | 15.370 | 97.450 | 15.350 | 102.450 | 15.340 | 107.450 | 15.310 |
| 112.450 | 15.300 | 117.450 | 15.220 | 122.450 | 15.210 | 127.450 | 15.220 |
| 132.450 | 15.140 | 137.450 | 15.190 | 142.450 | 15.170 | 147.450 | 15.370 |
| 147.450 | 15.140 | 152.450 | 15.090 | 157.450 | 15.050 | 162.450 | 15.190 |
| 162.450 | 15.010 | 167.450 | 14.860 | 172.450 | 14.840 | 172.450 | 14.680 |
| 177.450 | 14.430 | 182.450 | 14.130 | 187.450 | 13.880 | 192.450 | 13.830 |
| 197.250 | 14.810 | 206.230 | 15.540 | 213.640 | 15.910 | 219.740 | 17.260 |
| 221.240 | 17.290 | 223.340 | 17.010 | 227.640 | 17.480 | 234.240 | 17.550 |
| 237.140 | 18.230 | 238.790 | 19.310 | 238.790 | 19.420 | 239.140 | 19.420 |
| 239.520 | 19.440 | 243.140 | 19.510 | 243.540 | 19.440 | 247.830 | 19.410 |
| 248.310 | 19.420 | 249.880 | 19.510 | 263.130 | 20.040 | 277.180 | 20.960 |
| 279.330 | 21.010 | 279.680 | 21.000 | 280.990 | 21.170 | 284.840 | 22.900 |
| 285.960 | 22.960 | 289.420 | 22.980 | 289.540 | 23.060 | 289.790 | 23.060 |
| 289.790 | 22.900 | 291.940 | 23.020 | 294.340 | 23.020 | 298.740 | 23.030 |
| 299.840 | 23.030 | 312.150 | 22.790 | 312.400 | 22.750 | 313.000 | 22.700 |
| 314.850 | 22.760 | 316.650 | 22.750 | 316.950 | 23.740 | 316.850 | 23.740 |
| 316.850 | 24.030 | 316.950 | 24.030 | 316.950 | 25.030 | 317.600 | 25.030 |
| 317.600 | 24.100 | 318.700 | 24.240 | 319.240 | 24.230 | 319.240 | 24.680 |
| 319.240 | 24.230 | 319.940 | 24.240 | 320.340 | 23.810 | 320.890 | 23.770 |
| 321.040 | 23.770 | 321.040 | 23.530 | 326.790 | 23.350 | 327.090 | 23.310 |
| 327.090 | 23.410 | 327.290 | 23.410 | 327.440 | 24.800 | 328.860 | 24.860 |
| 328.960 | 26.070 | 328.960 | 25.720 | 329.110 | 25.720 | 329.410 | 25.710 |
| 330.560 | 25.770 | 339.560 | 25.920 | 340.690 | 26.000 | | |
| 53.8 | 0.000 | | | | 128 | 1 73 | 1 109 |
| -8.410 | 26.410 | -7.860 | 26.440 | -7.760 | 26.440 | -7.760 | 26.340 |
| -7.710 | 26.340 | -7.710 | 26.040 | -7.410 | 26.040 | -7.410 | 26.340 |

S59横断データ (-0.6~56.2).dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| -7.360 | 26.340 | -7.360 | 26.440 | -7.260 | 26.440 | -7.210 | 26.450 |
| -3.750 | 26.490 | -1.550 | 26.480 | -1.550 | 26.660 | -1.300 | 26.660 |
| 0.000 | 26.710 | 0.200 | 26.790 | 0.350 | 26.790 | 0.350 | 26.490 |
| -0.510 | 26.480 | -1.260 | 26.160 | -3.060 | 26.150 | -3.060 | 23.380 |
| 3.290 | 23.350 | 3.440 | 23.340 | 3.440 | 23.200 | 2.340 | 23.160 |
| -2.860 | 23.200 | -2.860 | 22.760 | -3.160 | 22.760 | -3.160 | 20.170 |
| 3.290 | 20.120 | 3.440 | 20.110 | 3.440 | 19.990 | 2.270 | 19.920 |
| -1.530 | 20.020 | -1.530 | 19.440 | -1.730 | 19.440 | -1.730 | 17.510 |
| 0.170 | 17.460 | 0.170 | 17.360 | 2.070 | 17.300 | 2.320 | 16.060 |
| 3.670 | 15.710 | 4.920 | 15.610 | 9.920 | 14.910 | 14.920 | 14.110 |
| 19.920 | 13.810 | 24.920 | 13.610 | 29.920 | 13.610 | 34.920 | 13.710 |
| 39.920 | 13.810 | 44.920 | 13.960 | 49.920 | 14.060 | 54.920 | 14.260 |
| 59.920 | 14.460 | 64.930 | 14.660 | 69.930 | 14.860 | 74.930 | 15.060 |
| 79.930 | 15.160 | 84.930 | 15.260 | 89.930 | 15.410 | 94.930 | 15.560 |
| 99.930 | 15.660 | 104.430 | 15.710 | 117.530 | 15.950 | 117.530 | 16.200 |
| 117.530 | 15.950 | 133.050 | 16.240 | 147.050 | 16.200 | 157.750 | 16.300 |
| 165.050 | 16.370 | 170.050 | 16.470 | 177.050 | 16.650 | 184.050 | 16.860 |
| 193.060 | 17.100 | 200.160 | 17.260 | 216.160 | 17.610 | 234.360 | 18.070 |
| 238.960 | 18.430 | 246.760 | 18.930 | 255.060 | 19.580 | 259.060 | 19.950 |
| 261.160 | 19.680 | 261.560 | 19.610 | 264.960 | 19.630 | 269.190 | 19.560 |
| 269.690 | 19.520 | 269.690 | 19.840 | 273.440 | 19.850 | 275.370 | 19.810 |
| 281.620 | 19.970 | 288.990 | 19.990 | 288.990 | 19.880 | 291.060 | 19.910 |
| 297.390 | 20.310 | 299.540 | 21.630 | 300.000 | 21.750 | 300.050 | 22.040 |
| 300.210 | 22.050 | 300.340 | 21.930 | 303.790 | 22.030 | 307.540 | 22.100 |
| 308.080 | 22.130 | 309.690 | 22.180 | 315.520 | 24.750 | 315.820 | 24.940 |
| 315.820 | 25.560 | 315.820 | 24.900 | 316.820 | 25.470 | 317.670 | 25.470 |
| 323.770 | 25.410 | 324.410 | 25.300 | 325.070 | 24.530 | 325.420 | 24.460 |
| 327.070 | 24.420 | 328.500 | 24.470 | 333.600 | 24.410 | 334.600 | 22.740 |
| 338.500 | 21.890 | 340.250 | 21.610 | 340.350 | 21.990 | 340.450 | 21.990 |
| 340.450 | 21.370 | 341.650 | 21.160 | 350.100 | 21.100 | 363.050 | 20.650 |
| 54.0 | 0.000 | | | | 105 | 16 61 | 16 90 |
| -7.830 | 27.570 | -7.730 | 27.790 | -7.630 | 27.790 | -7.330 | 27.470 |
| -7.230 | 27.470 | -7.180 | 26.710 | -7.130 | 26.730 | -7.030 | 26.730 |
| -7.030 | 26.630 | -6.980 | 26.630 | -6.980 | 26.330 | -6.680 | 26.330 |
| -6.680 | 26.630 | -6.630 | 26.630 | -6.630 | 26.730 | -6.530 | 26.730 |
| -3.350 | 26.790 | -1.500 | 26.800 | -1.500 | 26.970 | -1.250 | 26.970 |
| 0.000 | 27.020 | 0.400 | 27.090 | 0.400 | 26.750 | 0.400 | 20.030 |
| 3.970 | 17.450 | 5.770 | 17.360 | 8.270 | 18.350 | 12.070 | 18.480 |
| 12.470 | 18.350 | 14.070 | 17.260 | 15.570 | 16.620 | 18.570 | 15.720 |
| 23.570 | 14.220 | 28.580 | 14.070 | 33.580 | 13.970 | 38.580 | 13.870 |
| 43.580 | 13.870 | 48.580 | 13.870 | 53.580 | 13.970 | 58.580 | 14.080 |
| 63.590 | 14.080 | 68.590 | 14.230 | 73.590 | 14.430 | 78.590 | 14.630 |
| 83.590 | 14.930 | 88.590 | 15.180 | 93.600 | 15.580 | 96.300 | 15.730 |
| 110.150 | 16.830 | 120.040 | 17.220 | 131.840 | 17.800 | 140.640 | 18.200 |
| 152.940 | 18.090 | 161.340 | 17.050 | 164.840 | 16.210 | 179.240 | 15.970 |
| 185.940 | 16.300 | 191.140 | 16.640 | 194.340 | 17.420 | 197.740 | 17.490 |
| 203.540 | 17.750 | 208.540 | 17.680 | 218.240 | 17.900 | 223.740 | 18.250 |
| 230.240 | 18.570 | 233.640 | 18.650 | 237.940 | 18.610 | 241.740 | 18.720 |
| 251.240 | 18.790 | 259.340 | 18.660 | 266.040 | 18.510 | 269.640 | 18.630 |
| 274.340 | 18.850 | 277.740 | 18.950 | 281.540 | 19.450 | 287.740 | 19.800 |
| 292.740 | 20.180 | 296.040 | 20.220 | 298.940 | 19.890 | 311.740 | 20.210 |
| 316.540 | 19.880 | 324.540 | 19.770 | 329.340 | 20.030 | 337.740 | 21.150 |
| 345.390 | 24.940 | 345.740 | 25.140 | 345.740 | 25.570 | 345.740 | 25.140 |
| 347.490 | 25.930 | 348.540 | 25.970 | 350.390 | 26.050 | 350.690 | 26.120 |
| 357.480 | 26.110 | 357.980 | 26.100 | 358.680 | 26.100 | 358.980 | 26.100 |
| 358.980 | 25.820 | 359.550 | 23.620 | 361.300 | 23.440 | 363.600 | 23.310 |

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 370.850 | 20.290 | 372.120 | 20.210 | 373.020 | 18.770 | 382.370 | 18.710 |
| 388.670 | 19.400 | | | | | | |
| 54.2 | 0.000 | | | | 80 | 2 34 | 1 68 |
| 0.000 | 29.500 | 0.400 | 29.570 | 0.400 | 29.360 | 0.400 | 22.700 |
| 7.100 | 19.610 | 10.910 | 16.750 | 11.710 | 16.700 | 15.410 | 16.640 |
| 17.710 | 16.320 | 18.210 | 15.970 | 19.710 | 15.670 | 21.710 | 15.070 |
| 26.710 | 15.320 | 31.710 | 15.310 | 36.710 | 15.360 | 41.710 | 15.360 |
| 46.710 | 15.410 | 51.710 | 15.350 | 56.710 | 15.550 | 61.710 | 15.550 |
| 66.710 | 15.550 | 71.710 | 15.640 | 76.710 | 15.790 | 81.710 | 15.890 |
| 85.710 | 15.940 | 110.320 | 16.430 | 110.320 | 16.540 | 110.320 | 16.430 |
| 121.460 | 16.690 | 134.160 | 17.020 | 146.860 | 17.500 | 159.660 | 17.810 |
| 171.860 | 18.150 | 188.360 | 18.730 | 205.560 | 18.410 | 219.760 | 17.900 |
| 231.360 | 17.730 | 239.760 | 17.680 | 242.060 | 17.370 | 247.960 | 17.290 |
| 251.360 | 17.290 | 256.560 | 17.230 | 257.760 | 17.510 | 259.960 | 17.610 |
| 266.260 | 17.260 | 272.960 | 17.490 | 272.960 | 17.670 | 272.960 | 17.490 |
| 302.540 | 18.380 | 303.440 | 18.490 | 310.140 | 18.920 | 310.640 | 18.740 |
| 312.540 | 18.730 | 313.540 | 18.920 | 318.640 | 19.110 | 330.040 | 19.710 |
| 331.840 | 19.940 | 333.340 | 20.630 | 334.140 | 20.640 | 334.140 | 20.750 |
| 334.340 | 20.760 | 377.310 | 20.820 | 383.310 | 24.020 | 385.860 | 25.330 |
| 386.060 | 25.500 | 386.060 | 26.030 | 386.060 | 25.500 | 387.960 | 26.340 |
| 388.810 | 26.350 | 390.960 | 26.430 | 397.800 | 26.440 | 398.150 | 26.430 |
| 398.400 | 26.430 | 398.650 | 26.430 | 398.650 | 26.180 | 399.550 | 24.020 |
| 400.750 | 23.710 | 403.700 | 23.630 | 408.490 | 21.840 | 409.990 | 21.770 |
| 54.4 | 0.000 | | | | 135 | 17 52 | 1 118 |
| -8.260 | 27.730 | -7.760 | 27.790 | -7.460 | 27.800 | -2.100 | 27.800 |
| -1.550 | 27.800 | -1.550 | 27.990 | -1.300 | 27.990 | 0.000 | 28.070 |
| 0.700 | 28.040 | 3.040 | 22.830 | 3.840 | 22.800 | 4.140 | 22.730 |
| 12.870 | 19.450 | 16.370 | 18.530 | 18.070 | 18.320 | 20.370 | 17.210 |
| 23.870 | 19.130 | 28.170 | 17.910 | 30.370 | 16.530 | 30.370 | 16.120 |
| 30.370 | 15.170 | 32.870 | 15.070 | 37.870 | 15.020 | 42.870 | 15.470 |
| 47.870 | 16.030 | 48.870 | 16.130 | 57.870 | 16.540 | 81.870 | 16.500 |
| 82.870 | 16.450 | 87.870 | 16.300 | 92.870 | 16.200 | 97.870 | 16.210 |
| 102.870 | 16.010 | 107.870 | 15.960 | 112.870 | 15.910 | 117.870 | 15.960 |
| 122.870 | 15.910 | 127.870 | 15.870 | 132.870 | 15.870 | 137.870 | 15.920 |
| 142.870 | 16.070 | 147.870 | 16.120 | 152.870 | 16.270 | 157.870 | 16.380 |
| 162.870 | 16.480 | 163.570 | 16.530 | 170.370 | 16.950 | 172.740 | 17.360 |
| 172.740 | 17.460 | 172.740 | 17.360 | 176.610 | 17.800 | 180.610 | 19.200 |
| 182.810 | 19.510 | 192.410 | 19.960 | 194.610 | 20.140 | 203.110 | 20.100 |
| 204.410 | 19.650 | 206.210 | 19.660 | 208.010 | 20.140 | 214.910 | 19.710 |
| 223.810 | 19.810 | 231.810 | 19.980 | 234.510 | 20.480 | 244.710 | 20.190 |
| 246.310 | 19.850 | 255.910 | 20.070 | 262.710 | 20.380 | 269.310 | 20.530 |
| 279.310 | 19.870 | 293.410 | 19.770 | 295.310 | 19.290 | 296.810 | 19.250 |
| 298.410 | 19.430 | 304.810 | 19.360 | 310.710 | 19.700 | 316.410 | 19.860 |
| 316.410 | 19.970 | 316.410 | 19.860 | 318.700 | 19.720 | 319.900 | 19.330 |
| 322.300 | 19.400 | 322.900 | 19.520 | 333.800 | 18.790 | 336.800 | 18.570 |
| 339.500 | 17.920 | 341.500 | 17.900 | 345.600 | 18.100 | 355.000 | 18.320 |
| 357.100 | 18.050 | 358.400 | 18.510 | 368.500 | 18.540 | 378.000 | 18.600 |
| 380.900 | 17.620 | 381.900 | 17.080 | 387.700 | 16.120 | 388.100 | 17.620 |
| 388.100 | 18.050 | 388.800 | 18.700 | 391.450 | 19.820 | 400.860 | 19.830 |
| 402.060 | 18.430 | 404.860 | 18.630 | 408.560 | 20.000 | 409.960 | 20.330 |
| 416.460 | 21.410 | 418.160 | 21.110 | 420.860 | 21.060 | 428.860 | 21.310 |
| 434.260 | 22.550 | 436.060 | 22.400 | 440.460 | 21.930 | 443.960 | 21.340 |
| 444.660 | 21.450 | 452.320 | 25.420 | 452.670 | 25.560 | 452.670 | 26.030 |
| 452.670 | 25.560 | 454.420 | 26.460 | 455.520 | 26.470 | 457.370 | 26.500 |
| 457.620 | 26.700 | 464.810 | 26.710 | 465.060 | 26.700 | 465.270 | 26.700 |
| 465.270 | 26.390 | 466.050 | 24.220 | 466.950 | 23.970 | 470.650 | 23.830 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 476.610 | 23.800 | 477.850 | 23.700 | 479.250 | 23.290 | 485.170 | 21.340 |
| 485.370 | 21.350 | 499.920 | 21.290 | 500.470 | 21.290 | | |
| 54.6 | 0.000 | | | | 153 | 56 94 | 52 143 |
| -103.480 | 25.890 | -98.080 | 25.900 | -58.480 | 25.860 | -32.980 | 25.830 |
| -32.980 | 25.440 | -34.780 | 25.440 | -34.780 | 22.210 | -32.980 | 22.210 |
| -32.360 | 21.990 | -27.560 | 21.970 | -25.360 | 22.280 | -25.060 | 24.180 |
| -25.060 | 24.460 | -24.910 | 24.460 | -23.760 | 24.280 | -21.350 | 24.160 |
| -19.000 | 24.010 | -13.250 | 24.140 | -13.250 | 24.220 | -12.850 | 24.220 |
| -12.850 | 24.430 | -12.450 | 24.430 | -12.450 | 24.610 | -12.050 | 24.610 |
| -12.050 | 24.810 | -11.650 | 24.810 | -11.650 | 25.020 | -11.250 | 25.020 |
| -11.250 | 25.210 | -10.850 | 25.210 | -10.850 | 25.420 | -10.450 | 25.420 |
| -10.450 | 25.610 | -10.050 | 25.610 | -10.050 | 25.810 | -9.650 | 25.810 |
| -9.650 | 26.010 | -9.250 | 26.010 | -9.250 | 26.210 | -8.850 | 26.210 |
| -8.850 | 26.400 | -8.450 | 26.400 | -8.450 | 26.610 | -8.050 | 26.610 |
| -8.050 | 26.810 | -7.650 | 26.830 | -7.450 | 27.000 | -4.500 | 27.150 |
| -1.800 | 27.010 | -1.100 | 27.000 | 0.000 | 26.440 | 0.000 | 26.990 |
| 0.000 | 26.440 | 5.800 | 23.260 | 11.040 | 20.640 | 12.440 | 20.670 |
| 12.640 | 20.670 | 13.640 | 20.510 | 18.360 | 18.030 | 22.360 | 18.010 |
| 24.860 | 17.730 | 28.360 | 17.600 | 28.660 | 17.600 | 30.360 | 17.350 |
| 30.360 | 16.990 | 30.360 | 16.440 | 33.360 | 16.140 | 38.360 | 16.090 |
| 43.360 | 16.140 | 48.360 | 16.190 | 53.360 | 16.230 | 58.360 | 16.230 |
| 63.360 | 16.380 | 68.360 | 16.430 | 73.360 | 16.430 | 78.360 | 16.430 |
| 83.360 | 16.480 | 88.360 | 16.530 | 93.360 | 16.530 | 98.360 | 16.430 |
| 103.360 | 16.420 | 108.360 | 16.370 | 113.360 | 16.320 | 118.360 | 16.370 |
| 123.360 | 16.520 | 128.360 | 16.670 | 133.360 | 16.720 | 138.360 | 16.870 |
| 140.660 | 16.970 | 156.920 | 17.780 | 160.440 | 17.880 | 161.140 | 17.660 |
| 175.240 | 17.570 | 188.940 | 19.320 | 200.140 | 19.540 | 208.440 | 19.520 |
| 218.740 | 19.570 | 227.440 | 19.710 | 237.440 | 19.550 | 247.940 | 19.600 |
| 252.440 | 20.100 | 260.140 | 20.900 | 264.440 | 21.000 | 275.640 | 20.910 |
| 289.840 | 20.790 | 298.940 | 20.710 | 305.440 | 20.520 | 311.440 | 20.310 |
| 318.440 | 20.320 | 329.440 | 20.430 | 339.440 | 20.420 | 347.440 | 20.140 |
| 352.440 | 20.070 | 358.450 | 20.080 | 367.050 | 19.770 | 375.550 | 19.460 |
| 382.650 | 18.770 | 390.050 | 18.860 | 400.350 | 18.930 | 411.550 | 19.270 |
| 421.250 | 19.340 | 428.750 | 18.920 | 436.350 | 18.460 | 438.550 | 18.280 |
| 439.550 | 17.620 | 440.350 | 17.480 | 441.540 | 17.470 | 442.040 | 17.630 |
| 442.740 | 17.720 | 445.740 | 19.220 | 447.940 | 20.350 | 450.040 | 21.000 |
| 453.040 | 21.950 | 459.140 | 22.250 | 467.740 | 22.720 | 471.810 | 24.760 |
| 474.010 | 25.760 | 474.310 | 25.880 | 474.310 | 26.380 | 474.310 | 25.880 |
| 476.010 | 26.820 | 476.210 | 26.820 | 478.860 | 26.840 | 479.160 | 26.990 |
| 486.260 | 27.000 | 486.510 | 27.000 | 486.760 | 27.000 | 486.760 | 26.700 |
| 487.660 | 24.470 | 492.090 | 24.240 | 498.540 | 21.840 | 499.890 | 21.650 |
| 506.690 | 21.610 | | | | | | |
| 54.8 | 0.000 | | | | 149 | 34 76 | 29 132 |
| -101.310 | 22.020 | -94.810 | 22.020 | -92.010 | 21.990 | -65.410 | 21.930 |
| -33.010 | 21.810 | -32.610 | 22.470 | -31.110 | 22.590 | -30.660 | 22.580 |
| -30.660 | 22.630 | -30.560 | 22.630 | -30.560 | 22.500 | -30.260 | 22.500 |
| -30.140 | 22.500 | -26.140 | 22.670 | -24.500 | 22.670 | -22.700 | 22.760 |
| -21.700 | 22.930 | -19.000 | 24.300 | -18.100 | 24.400 | -13.650 | 24.480 |
| -13.500 | 24.710 | -12.700 | 24.780 | -7.700 | 27.260 | -7.000 | 27.400 |
| -4.200 | 27.510 | -1.700 | 27.400 | -1.100 | 27.270 | 0.000 | 26.710 |
| 0.000 | 27.240 | 0.000 | 26.710 | 3.400 | 24.900 | 10.850 | 21.210 |
| 11.150 | 21.210 | 12.450 | 21.180 | 18.130 | 18.270 | 22.630 | 18.170 |
| 22.630 | 17.810 | 25.430 | 17.780 | 25.430 | 17.980 | 30.130 | 17.980 |
| 30.430 | 17.970 | 30.430 | 17.250 | 31.430 | 17.040 | 31.530 | 16.970 |
| 34.330 | 16.960 | 34.330 | 16.240 | 35.130 | 16.190 | 40.130 | 16.240 |
| 45.130 | 16.090 | 50.130 | 15.940 | 55.130 | 15.790 | 60.130 | 15.740 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 65.130 | 15.740 | 70.130 | 15.740 | 75.130 | 15.840 | 80.130 | 15.890 |
| 85.130 | 15.990 | 90.130 | 16.090 | 95.130 | 16.190 | 100.130 | 16.240 |
| 105.130 | 16.340 | 110.130 | 16.490 | 115.130 | 16.790 | 124.830 | 17.040 |
| 139.790 | 18.210 | 139.790 | 18.320 | 139.790 | 18.210 | 152.450 | 18.760 |
| 162.850 | 19.140 | 173.550 | 19.460 | 182.850 | 19.630 | 191.850 | 19.620 |
| 204.250 | 19.600 | 215.550 | 19.610 | 224.850 | 19.680 | 238.150 | 20.070 |
| 247.550 | 20.430 | 261.850 | 20.710 | 264.350 | 20.900 | 275.550 | 21.030 |
| 287.150 | 21.090 | 293.850 | 21.040 | 293.850 | 21.160 | 293.850 | 21.040 |
| 295.850 | 20.900 | 298.150 | 20.830 | 299.150 | 20.910 | 303.250 | 20.850 |
| 320.750 | 20.310 | 338.750 | 20.060 | 340.050 | 19.910 | 343.250 | 19.670 |
| 346.250 | 19.430 | 346.250 | 19.280 | 350.650 | 18.860 | 353.750 | 18.580 |
| 359.850 | 20.120 | 373.590 | 20.260 | 375.690 | 20.820 | 377.190 | 20.880 |
| 378.690 | 20.430 | 384.290 | 20.860 | 390.790 | 21.320 | 399.390 | 21.720 |
| 402.090 | 21.600 | 407.690 | 21.940 | 411.790 | 21.720 | 417.090 | 21.670 |
| 421.390 | 21.270 | 433.090 | 20.960 | 434.790 | 20.500 | 437.390 | 20.060 |
| 437.890 | 19.460 | 438.290 | 19.330 | 439.290 | 19.290 | 440.090 | 19.460 |
| 441.990 | 20.830 | 443.190 | 21.660 | 445.590 | 21.990 | 452.690 | 22.360 |
| 455.990 | 22.470 | 456.890 | 22.590 | 457.090 | 22.650 | 461.660 | 25.090 |
| 462.260 | 25.190 | 464.060 | 26.070 | 464.360 | 26.210 | 464.360 | 26.690 |
| 464.360 | 26.210 | 465.960 | 27.100 | 466.460 | 27.130 | 468.760 | 27.170 |
| 469.110 | 27.320 | 476.440 | 27.340 | 476.640 | 27.330 | 476.940 | 27.330 |
| 476.940 | 27.080 | 477.710 | 24.900 | 479.710 | 24.790 | 487.010 | 24.600 |
| 488.710 | 24.490 | 495.910 | 21.480 | 497.830 | 21.520 | 504.410 | 21.430 |
| 506.020 | 21.110 | 506.570 | 21.110 | 511.760 | 21.110 | 512.390 | 21.110 |
| 512.560 | 20.930 | | | | | | |
| 55.0 | 0.000 | | | | 125 | 39 82 | 35 108 |
| -103.500 | 22.020 | -96.500 | 22.090 | -84.500 | 22.090 | -64.500 | 22.060 |
| -63.300 | 22.080 | -62.500 | 22.140 | -61.500 | 22.090 | -60.700 | 22.100 |
| -60.000 | 22.260 | -60.000 | 22.870 | -59.950 | 22.870 | -59.900 | 22.870 |
| -59.900 | 22.340 | -51.200 | 22.350 | -46.250 | 22.290 | -45.650 | 22.290 |
| -45.650 | 22.860 | -45.600 | 22.860 | -45.550 | 22.860 | -45.550 | 22.300 |
| -29.680 | 22.500 | -25.150 | 22.460 | -22.950 | 23.320 | -19.840 | 24.540 |
| -18.740 | 24.740 | -14.490 | 24.810 | -14.340 | 25.010 | -13.540 | 25.090 |
| -8.440 | 27.720 | -7.850 | 27.770 | -5.000 | 27.810 | -2.500 | 27.720 |
| -1.700 | 27.650 | -1.000 | 27.290 | -1.000 | 27.700 | -1.000 | 27.290 |
| 3.200 | 25.160 | 10.140 | 21.690 | 11.740 | 21.700 | 16.800 | 19.210 |
| 20.500 | 19.250 | 21.500 | 18.910 | 21.500 | 18.690 | 24.400 | 18.130 |
| 27.000 | 17.350 | 27.000 | 18.320 | 27.000 | 17.350 | 31.000 | 17.730 |
| 32.000 | 17.050 | 32.600 | 15.550 | 37.000 | 15.200 | 42.000 | 15.200 |
| 47.000 | 15.350 | 52.000 | 15.350 | 57.000 | 15.400 | 62.000 | 15.550 |
| 67.000 | 15.650 | 72.000 | 15.800 | 77.000 | 15.950 | 82.000 | 16.100 |
| 87.000 | 16.200 | 92.000 | 16.350 | 97.000 | 16.700 | 101.800 | 17.050 |
| 108.000 | 17.540 | 117.180 | 17.930 | 128.580 | 18.310 | 138.580 | 18.610 |
| 151.580 | 18.870 | 163.580 | 19.120 | 174.580 | 19.300 | 184.880 | 19.500 |
| 190.580 | 19.300 | 201.280 | 19.420 | 207.880 | 19.830 | 209.580 | 19.730 |
| 218.580 | 20.000 | 229.580 | 20.030 | 238.580 | 20.480 | 242.000 | 20.570 |
| 244.800 | 20.730 | 250.600 | 21.540 | 259.600 | 21.870 | 266.700 | 22.010 |
| 271.000 | 21.930 | 274.900 | 21.290 | 278.200 | 21.030 | 281.100 | 22.030 |
| 284.200 | 21.880 | 291.200 | 21.530 | 296.600 | 21.640 | 300.160 | 21.050 |
| 301.360 | 20.750 | 303.160 | 20.640 | 311.360 | 20.900 | 319.560 | 20.900 |
| 335.960 | 21.000 | 345.460 | 20.860 | 351.060 | 20.870 | 360.460 | 21.050 |
| 370.960 | 21.490 | 381.960 | 21.900 | 389.760 | 22.110 | 396.740 | 25.490 |
| 397.640 | 25.690 | 399.790 | 26.720 | 400.240 | 26.870 | 400.240 | 27.470 |
| 400.240 | 26.870 | 401.540 | 27.510 | 402.440 | 27.530 | 404.890 | 27.590 |
| 405.140 | 27.700 | 413.640 | 27.590 | 413.940 | 27.590 | 414.230 | 27.590 |
| 414.230 | 27.330 | 415.300 | 25.110 | 419.700 | 24.850 | 421.000 | 24.530 |

S59横断データ (-0.6~56.2).dat

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 422.000 | 24.450 | 429.200 | 22.100 | 431.550 | 22.050 | 437.240 | 21.910 |
| 438.040 | 21.910 | | | | | | |
| 55.2 | 0.000 | | | | 123 | 34 85 | 26 104 |
| -100.700 | 22.100 | -81.530 | 22.090 | -80.150 | 22.100 | -78.000 | 22.120 |
| -76.690 | 22.090 | -76.190 | 21.950 | -62.650 | 21.970 | -51.540 | 22.000 |
| -49.540 | 23.080 | -48.940 | 23.340 | -36.990 | 21.840 | -32.240 | 21.790 |
| -24.740 | 24.920 | -23.950 | 24.960 | -19.550 | 24.980 | -19.400 | 25.310 |
| -18.700 | 25.360 | -17.450 | 26.040 | -16.550 | 26.180 | -11.750 | 26.270 |
| -11.600 | 26.560 | -10.850 | 26.590 | -8.100 | 27.960 | -7.350 | 27.990 |
| -2.400 | 27.990 | -1.500 | 27.890 | 0.000 | 27.170 | 0.000 | 27.680 |
| 0.000 | 27.170 | 3.000 | 25.490 | 10.040 | 21.990 | 11.830 | 21.900 |
| 16.980 | 19.390 | 22.880 | 19.330 | 24.980 | 17.560 | 29.580 | 18.170 |
| 29.580 | 19.930 | 29.580 | 18.170 | 31.280 | 19.020 | 31.780 | 17.180 |
| 37.280 | 17.290 | 37.780 | 17.020 | 39.280 | 15.430 | 41.280 | 15.530 |
| 46.280 | 15.730 | 51.280 | 16.080 | 56.280 | 16.290 | 61.280 | 16.440 |
| 66.280 | 16.540 | 71.280 | 16.700 | 76.280 | 16.700 | 81.280 | 16.800 |
| 86.280 | 16.960 | 89.280 | 17.060 | 102.240 | 17.740 | 102.240 | 17.880 |
| 102.240 | 17.740 | 112.450 | 18.060 | 121.150 | 18.220 | 128.950 | 18.350 |
| 139.450 | 18.430 | 152.650 | 18.620 | 162.650 | 18.910 | 172.650 | 19.270 |
| 181.250 | 19.580 | 185.850 | 19.500 | 193.350 | 19.740 | 202.650 | 19.860 |
| 213.050 | 19.970 | 223.650 | 20.190 | 230.650 | 20.090 | 240.150 | 20.070 |
| 248.650 | 20.310 | 253.650 | 20.270 | 258.650 | 20.350 | 268.650 | 20.230 |
| 269.150 | 20.400 | 273.550 | 20.420 | 274.150 | 20.420 | 274.750 | 20.090 |
| 282.750 | 19.850 | 289.450 | 20.070 | 294.050 | 19.840 | 297.850 | 20.660 |
| 302.150 | 22.410 | 308.150 | 22.770 | 312.750 | 22.530 | 324.000 | 22.010 |
| 332.400 | 21.790 | 337.600 | 21.650 | 342.400 | 20.980 | 347.200 | 20.820 |
| 353.000 | 20.530 | 356.000 | 21.400 | 358.010 | 22.090 | 363.210 | 24.850 |
| 365.010 | 25.010 | 366.510 | 25.910 | 367.110 | 26.090 | 368.410 | 26.810 |
| 368.710 | 26.970 | 368.710 | 27.410 | 368.710 | 26.970 | 370.410 | 27.780 |
| 371.110 | 27.790 | 373.310 | 27.790 | 373.610 | 27.940 | 380.760 | 27.910 |
| 380.960 | 27.910 | 381.260 | 27.910 | 381.260 | 27.720 | 382.230 | 25.480 |
| 386.230 | 25.220 | 387.130 | 25.110 | 390.630 | 25.030 | 392.800 | 24.830 |
| 397.700 | 22.550 | 398.420 | 22.540 | 399.450 | 22.740 | 399.850 | 22.740 |
| 404.860 | 22.640 | 405.560 | 22.640 | 414.010 | 22.840 | | |
| 55.4 | 0.000 | | | | 121 | 39 76 | 35 109 |
| -100.260 | 22.540 | -74.460 | 22.480 | -73.660 | 22.440 | -69.990 | 22.400 |
| -69.890 | 22.400 | -69.890 | 22.300 | -69.840 | 22.300 | -69.840 | 22.000 |
| -69.440 | 22.000 | -69.440 | 22.300 | -69.390 | 22.300 | -69.390 | 22.400 |
| -69.260 | 22.400 | -69.260 | 22.190 | -67.860 | 21.960 | -47.650 | 21.350 |
| -46.900 | 21.610 | -46.700 | 21.280 | -45.000 | 21.280 | -45.000 | 22.390 |
| -44.510 | 22.390 | -31.100 | 22.200 | -29.200 | 21.200 | -28.510 | 21.220 |
| -27.950 | 21.240 | -25.910 | 22.160 | -18.900 | 25.050 | -14.350 | 25.260 |
| -8.630 | 28.150 | -8.250 | 28.310 | -6.950 | 28.400 | -1.300 | 28.270 |
| -0.800 | 28.230 | 0.000 | 27.870 | 0.000 | 28.340 | 0.000 | 27.870 |
| 3.800 | 25.800 | 11.370 | 22.280 | 15.370 | 22.180 | 21.170 | 19.800 |
| 22.270 | 19.580 | 34.270 | 19.300 | 36.570 | 19.160 | 37.070 | 19.910 |
| 41.970 | 19.970 | 43.970 | 19.000 | 44.530 | 17.810 | 49.270 | 17.850 |
| 54.270 | 17.610 | 59.270 | 17.360 | 64.270 | 17.260 | 69.270 | 17.270 |
| 74.270 | 17.270 | 79.270 | 17.270 | 84.270 | 17.230 | 89.270 | 17.130 |
| 94.270 | 17.080 | 99.270 | 17.090 | 104.270 | 17.190 | 109.270 | 17.340 |
| 114.270 | 17.550 | 119.270 | 17.800 | 121.270 | 17.900 | 137.260 | 18.640 |
| 152.190 | 19.000 | 164.990 | 19.200 | 174.990 | 19.170 | 189.190 | 19.120 |
| 196.890 | 18.980 | 207.590 | 18.990 | 218.790 | 19.100 | 235.190 | 19.420 |
| 239.190 | 19.520 | 244.890 | 19.680 | 250.790 | 20.000 | 257.490 | 20.410 |
| 264.990 | 20.450 | 271.190 | 20.820 | 284.790 | 20.710 | 287.490 | 20.520 |
| 288.790 | 20.320 | 294.990 | 20.330 | 302.390 | 19.850 | 306.890 | 20.090 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 307.690 | 20.460 | 310.990 | 20.570 | 319.390 | 20.440 | 320.790 | 20.880 |
| 321.290 | 20.830 | 324.790 | 20.860 | 325.790 | 21.160 | 328.890 | 20.840 |
| 338.890 | 20.870 | 341.990 | 22.350 | 350.790 | 22.410 | 362.290 | 22.420 |
| 366.590 | 20.710 | 367.790 | 20.970 | 373.280 | 24.510 | 376.180 | 24.750 |
| 376.480 | 25.530 | 376.780 | 25.770 | 378.280 | 26.290 | 379.980 | 27.120 |
| 380.280 | 27.300 | 380.280 | 27.730 | 380.280 | 27.300 | 381.980 | 28.150 |
| 382.730 | 28.140 | 384.680 | 28.140 | 385.080 | 28.280 | 392.030 | 28.280 |
| 392.480 | 28.260 | 392.680 | 28.260 | 393.000 | 28.260 | 393.000 | 28.070 |
| 394.020 | 25.780 | 398.020 | 25.500 | 399.820 | 24.960 | 404.070 | 23.200 |
| 405.230 | 23.160 | | | | | | |
| 55.6 | 0.000 | | | | 96 | 20 67 | 15 78 |
| -100.300 | 22.950 | -66.300 | 22.820 | -64.950 | 22.870 | -62.400 | 22.910 |
| -61.300 | 22.860 | -23.910 | 23.000 | -23.710 | 23.030 | -18.320 | 25.180 |
| -14.850 | 25.500 | -7.970 | 28.540 | -7.100 | 28.620 | -1.600 | 28.670 |
| -0.700 | 28.600 | 0.000 | 28.220 | 0.000 | 28.770 | 0.000 | 28.220 |
| 4.200 | 26.120 | 10.910 | 22.600 | 13.110 | 22.570 | 14.210 | 22.540 |
| 15.810 | 21.750 | 19.850 | 19.780 | 21.950 | 18.840 | 25.150 | 18.940 |
| 29.250 | 18.590 | 29.250 | 18.170 | 33.550 | 18.270 | 36.750 | 18.840 |
| 61.260 | 19.100 | 68.260 | 18.930 | 73.260 | 18.470 | 76.260 | 17.920 |
| 81.260 | 17.470 | 86.260 | 17.320 | 91.260 | 17.220 | 96.260 | 17.080 |
| 101.260 | 17.280 | 106.260 | 17.480 | 111.260 | 17.830 | 116.260 | 18.240 |
| 121.260 | 18.440 | 123.260 | 18.490 | 142.090 | 19.310 | 142.090 | 19.510 |
| 142.090 | 19.310 | 153.870 | 19.530 | 162.870 | 19.650 | 169.870 | 19.680 |
| 179.770 | 19.770 | 189.370 | 19.790 | 198.370 | 19.810 | 210.470 | 19.690 |
| 220.170 | 19.630 | 230.070 | 19.560 | 239.770 | 19.540 | 249.770 | 19.470 |
| 260.570 | 19.550 | 269.770 | 19.660 | 276.070 | 19.880 | 278.370 | 20.400 |
| 278.370 | 20.520 | 278.370 | 20.400 | 283.540 | 21.150 | 286.640 | 21.040 |
| 289.440 | 21.070 | 292.340 | 21.700 | 294.340 | 23.230 | 301.540 | 23.430 |
| 306.040 | 22.260 | 309.840 | 22.550 | 310.740 | 22.360 | 313.740 | 24.150 |
| 316.690 | 24.390 | 316.990 | 24.470 | 321.920 | 26.790 | 325.620 | 28.300 |
| 325.920 | 28.470 | 325.920 | 29.010 | 325.920 | 28.470 | 327.070 | 29.030 |
| 328.220 | 29.060 | 329.820 | 29.090 | 331.120 | 29.090 | 338.720 | 29.070 |
| 341.470 | 29.030 | 342.520 | 28.920 | 354.420 | 26.340 | 358.520 | 26.250 |
| 359.820 | 27.000 | 360.120 | 27.020 | 362.570 | 26.910 | 363.250 | 26.820 |
| 365.750 | 25.300 | 366.200 | 25.300 | 366.800 | 26.870 | 367.400 | 26.870 |
| 55.8 | 0.000 | | | | 131 | 69 107 | 56 113 |
| -100.550 | 24.310 | -87.190 | 24.520 | -85.890 | 24.250 | -85.890 | 24.850 |
| -85.740 | 24.850 | -85.740 | 24.260 | -85.610 | 23.700 | -85.460 | 23.700 |
| -85.460 | 23.600 | -85.410 | 23.600 | -85.410 | 23.300 | -85.110 | 23.300 |
| -85.110 | 23.600 | -85.060 | 23.600 | -85.060 | 23.700 | -84.960 | 23.700 |
| -81.060 | 23.710 | -80.960 | 23.710 | -80.960 | 23.610 | -80.910 | 23.610 |
| -80.910 | 23.310 | -80.610 | 23.310 | -80.610 | 23.610 | -80.560 | 23.610 |
| -80.560 | 23.710 | -80.460 | 23.710 | -80.360 | 23.730 | -80.360 | 25.020 |
| -80.210 | 25.020 | -80.210 | 23.900 | -70.260 | 24.510 | -69.160 | 24.510 |
| -60.810 | 24.330 | -58.110 | 24.420 | -53.910 | 24.420 | -47.780 | 24.400 |
| -38.060 | 24.420 | -35.610 | 24.480 | -27.090 | 24.570 | -25.590 | 24.660 |
| -17.860 | 24.610 | -15.380 | 24.590 | -15.310 | 24.590 | -15.260 | 24.590 |
| -15.260 | 24.140 | -14.860 | 24.140 | -14.860 | 24.590 | -14.810 | 24.590 |
| -13.010 | 25.800 | -11.650 | 26.680 | -7.650 | 28.940 | -7.200 | 28.960 |
| -1.000 | 28.960 | -0.550 | 28.830 | 0.000 | 28.540 | 0.000 | 29.070 |
| 0.000 | 28.540 | 3.700 | 26.440 | 10.360 | 22.890 | 12.660 | 22.870 |
| 19.660 | 19.760 | 21.860 | 19.290 | 26.860 | 19.270 | 28.760 | 18.430 |
| 28.760 | 18.330 | 37.160 | 18.770 | 42.060 | 21.640 | 42.550 | 21.730 |
| 55.950 | 21.560 | 83.350 | 19.590 | 89.050 | 19.880 | 114.840 | 19.810 |
| 129.840 | 19.590 | 134.840 | 19.540 | 139.840 | 19.440 | 144.840 | 19.340 |
| 149.840 | 19.260 | 154.840 | 19.290 | 159.840 | 19.040 | 164.840 | 18.960 |

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|----------|--------|---------|--------|---------|--------|---------|--------|
| 169.840 | 18.950 | 174.840 | 18.950 | 179.840 | 18.950 | 184.840 | 18.880 |
| 189.840 | 18.950 | 194.840 | 19.030 | 199.840 | 19.100 | 204.840 | 19.050 |
| 209.840 | 19.000 | 214.840 | 18.980 | 219.840 | 18.930 | 224.840 | 18.910 |
| 229.840 | 18.910 | 234.840 | 18.910 | 239.840 | 18.980 | 244.840 | 19.010 |
| 249.840 | 19.110 | 254.840 | 19.220 | 259.840 | 19.320 | 264.840 | 19.370 |
| 269.840 | 19.370 | 274.840 | 19.370 | 279.840 | 19.420 | 284.840 | 19.570 |
| 287.840 | 19.620 | 299.340 | 19.910 | 302.900 | 21.260 | 306.910 | 22.170 |
| 307.910 | 22.090 | 310.710 | 22.500 | 311.610 | 23.570 | 319.010 | 23.970 |
| 322.010 | 23.750 | 325.010 | 23.640 | 332.010 | 23.380 | 336.510 | 23.310 |
| 342.010 | 23.330 | 344.710 | 24.190 | 346.510 | 24.560 | 346.510 | 24.940 |
| 346.510 | 24.560 | 347.960 | 25.020 | 349.010 | 24.940 | 349.410 | 24.940 |
| 354.110 | 24.990 | 354.490 | 24.960 | 354.850 | 24.180 | 355.490 | 24.130 |
| 376.390 | 24.230 | 386.790 | 24.140 | 387.290 | 24.230 | | |
| 56.0 | 0.000 | | | | 125 | 63 97 | 42 114 |
| -100.500 | 25.080 | -92.470 | 24.870 | -88.520 | 24.920 | -86.130 | 25.000 |
| -67.400 | 25.030 | -66.250 | 25.010 | -64.550 | 24.900 | -64.550 | 24.820 |
| -64.500 | 24.820 | -64.500 | 24.720 | -64.450 | 24.720 | -64.450 | 24.420 |
| -65.150 | 24.420 | -65.150 | 24.720 | -65.100 | 24.720 | -65.100 | 24.820 |
| -65.000 | 24.820 | -61.990 | 24.820 | -61.890 | 24.820 | -61.890 | 24.720 |
| -61.840 | 24.720 | -61.840 | 24.420 | -61.540 | 24.420 | -61.540 | 24.720 |
| -61.490 | 24.720 | -61.490 | 24.820 | -61.440 | 24.820 | -49.590 | 25.220 |
| -48.590 | 25.320 | -47.790 | 25.360 | -34.090 | 25.290 | -27.140 | 24.740 |
| -15.290 | 24.870 | -14.840 | 25.040 | -12.090 | 27.010 | -11.600 | 27.040 |
| -7.410 | 29.240 | -6.900 | 29.250 | -0.900 | 29.260 | -0.450 | 29.120 |
| 0.000 | 28.810 | 0.000 | 29.310 | 0.000 | 28.810 | 3.800 | 26.780 |
| 4.660 | 26.560 | 4.960 | 26.090 | 8.260 | 25.870 | 12.450 | 23.660 |
| 14.550 | 23.140 | 15.550 | 23.030 | 20.750 | 20.540 | 28.950 | 20.600 |
| 31.450 | 19.200 | 33.350 | 18.770 | 35.150 | 18.960 | 36.450 | 19.280 |
| 50.750 | 19.110 | 53.450 | 22.810 | 67.140 | 22.740 | 90.940 | 21.860 |
| 96.340 | 21.400 | 132.540 | 21.300 | 151.140 | 21.460 | 155.440 | 20.550 |
| 164.760 | 20.260 | 164.760 | 20.370 | 164.760 | 20.260 | 174.760 | 19.630 |
| 179.760 | 19.430 | 184.760 | 19.330 | 189.760 | 19.130 | 194.760 | 18.980 |
| 199.760 | 18.780 | 204.760 | 18.560 | 209.760 | 18.560 | 214.760 | 18.470 |
| 219.760 | 18.430 | 224.760 | 18.310 | 229.760 | 18.230 | 234.760 | 18.130 |
| 239.760 | 18.140 | 244.760 | 18.020 | 249.760 | 17.990 | 254.760 | 17.960 |
| 259.760 | 18.040 | 264.760 | 17.940 | 269.760 | 17.940 | 274.760 | 17.940 |
| 279.760 | 17.890 | 284.760 | 18.090 | 289.760 | 18.040 | 294.760 | 18.040 |
| 299.760 | 18.270 | 304.760 | 18.240 | 307.260 | 18.590 | 307.260 | 19.640 |
| 309.060 | 21.630 | 312.350 | 21.930 | 312.950 | 21.140 | 317.050 | 21.860 |
| 323.150 | 21.930 | 331.350 | 21.850 | 335.850 | 22.000 | 336.650 | 22.730 |
| 337.350 | 23.060 | 341.090 | 23.740 | 346.590 | 24.610 | 348.890 | 24.620 |
| 352.590 | 24.460 | 359.390 | 24.360 | 361.890 | 24.560 | 361.890 | 24.870 |
| 361.890 | 24.560 | 362.640 | 24.670 | 362.790 | 25.290 | 362.890 | 26.600 |
| 363.190 | 26.600 | 363.290 | 25.830 | 363.440 | 25.750 | 369.690 | 25.780 |
| 374.890 | 25.850 | 376.690 | 25.640 | 377.890 | 24.730 | 378.490 | 24.570 |
| 405.840 | 24.670 | | | | | | |
| 56.2 | 0.000 | | | | 118 | 51 91 | 9 118 |
| -43.970 | 37.360 | -25.220 | 37.190 | -25.220 | 36.990 | -25.020 | 36.990 |
| -24.970 | 37.190 | -22.820 | 37.500 | -21.320 | 37.380 | -20.370 | 37.340 |
| -19.770 | 37.190 | -13.600 | 28.730 | -12.970 | 28.560 | -12.970 | 27.940 |
| -12.370 | 27.940 | -12.300 | 28.530 | -12.150 | 28.590 | -10.300 | 28.670 |
| -6.700 | 28.640 | -1.150 | 28.650 | -0.600 | 28.640 | 0.000 | 28.310 |
| 0.000 | 28.700 | 0.000 | 28.310 | 2.800 | 26.970 | 9.840 | 23.500 |
| 10.140 | 23.510 | 12.840 | 23.400 | 18.440 | 20.770 | 19.840 | 20.610 |
| 20.240 | 20.270 | 20.640 | 20.220 | 21.340 | 20.600 | 23.340 | 20.730 |
| 27.920 | 23.310 | 31.020 | 24.410 | 36.520 | 24.450 | 37.020 | 24.630 |

S59横断データ (-0.6~56.2). dat

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|---------|--------|---------|--------|---------|--------|---------|--------|
| 38.020 | 24.730 | 44.020 | 24.880 | 45.120 | 24.890 | 114.620 | 24.760 |
| 116.720 | 24.720 | 116.820 | 24.720 | 124.020 | 23.660 | 126.620 | 23.490 |
| 133.620 | 22.960 | 141.420 | 22.480 | 143.620 | 22.670 | 158.420 | 22.190 |
| 165.220 | 22.050 | 167.520 | 22.940 | 200.420 | 22.870 | 202.120 | 21.630 |
| 209.550 | 21.120 | 211.550 | 21.320 | 212.550 | 21.190 | 217.750 | 20.350 |
| 222.050 | 19.650 | 222.550 | 19.500 | 227.550 | 18.850 | 232.550 | 18.580 |
| 237.550 | 18.430 | 242.550 | 18.340 | 247.550 | 18.200 | 252.550 | 18.350 |
| 257.550 | 18.330 | 262.550 | 18.300 | 267.550 | 18.050 | 272.550 | 17.940 |
| 277.550 | 17.750 | 282.550 | 17.650 | 287.550 | 17.600 | 292.550 | 17.540 |
| 297.550 | 17.550 | 302.550 | 17.740 | 307.550 | 17.790 | 312.550 | 17.790 |
| 317.550 | 17.790 | 322.550 | 17.740 | 327.550 | 17.590 | 332.550 | 17.240 |
| 335.050 | 17.590 | 336.050 | 19.490 | 337.550 | 19.610 | 337.850 | 19.640 |
| 337.920 | 21.110 | 339.120 | 22.030 | 342.920 | 22.070 | 343.520 | 21.770 |
| 344.420 | 21.930 | 347.220 | 22.190 | 353.950 | 25.880 | 355.450 | 25.940 |
| 359.650 | 26.090 | 360.450 | 26.170 | 360.450 | 26.620 | 360.450 | 26.170 |
| 361.650 | 26.250 | 367.300 | 26.240 | 367.450 | 26.060 | 367.900 | 26.060 |
| 368.550 | 26.240 | 373.500 | 26.530 | 374.100 | 26.530 | 375.100 | 26.450 |
| 375.250 | 26.930 | 375.450 | 26.930 | 375.650 | 26.930 | 376.200 | 23.580 |
| 380.950 | 23.550 | 381.700 | 26.920 | 381.900 | 26.920 | 382.100 | 26.920 |
| 383.800 | 26.960 | 384.520 | 29.300 | 384.920 | 29.300 | 386.220 | 29.410 |
| 406.070 | 29.490 | 408.670 | 29.570 | | | | |