

多角測量計算簿

路線名 L08040856

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|-------|-----------|-----------|--------|----------|--------|-------------|------------|-------|-------|-------|--------|
| T-2 | T-1 | | 149 42 39 | | | | -162060.434 | -45613.024 | T-2 | | | 10.751 |
| T-2 | T-2-1 | 242 22 17 | 32 4 56 | 21.980 | -0 55 29 | 21.977 | -162041.813 | -45601.351 | T-2-1 | 1.529 | 0.800 | 11.125 |
| T-2 | T-2-2 | 180 4 53 | 329 47 32 | 45.819 | 0 41 57 | 45.816 | -162020.839 | -45636.076 | T-2-2 | 1.529 | 0.800 | 12.039 |
| T-2 | 37 | 28 14 22 | 177 57 1 | 5.632 | -8 19 0 | 5.573 | -162066.003 | -45612.825 | 37 | 1.529 | 0.800 | 10.665 |
| T-2 | 38 | 18 8 18 | 167 50 57 | 4.786 | -9 56 58 | 4.714 | -162065.042 | -45612.032 | 38 | 1.529 | 0.800 | 10.653 |
| T-2 | 39 | 167 7 36 | 316 50 15 | 7.003 | -4 25 45 | 6.982 | -162055.341 | -45617.800 | 39 | 1.529 | 0.800 | 10.939 |
| T-2 | 40 | 158 43 46 | 308 26 25 | 7.591 | -3 58 23 | 7.573 | -162055.726 | -45618.956 | 40 | 1.529 | 0.800 | 10.954 |
| T-2 | 41 | 87 43 51 | 237 26 30 | 9.777 | 4 52 28 | 9.742 | -162065.677 | -45621.235 | 41 | 1.529 | 0.800 | 12.311 |
| T-2 | 42 | 84 6 11 | 233 48 50 | 3.112 | 15 48 27 | 2.994 | -162062.202 | -45615.440 | 42 | 1.529 | 0.800 | 12.328 |
| T-2 | 43 | 168 25 20 | 318 7 59 | 15.360 | 3 6 17 | 15.337 | -162049.013 | -45623.260 | 43 | 1.529 | 0.800 | 12.312 |
| T-2 | 44 | 149 11 41 | 298 54 20 | 17.496 | 2 45 17 | 17.476 | -162051.987 | -45628.323 | 44 | 1.529 | 0.800 | 12.321 |
| T-2 | 45 | 143 7 36 | 292 50 15 | 18.225 | 2 0 58 | 18.214 | -162053.365 | -45629.810 | 45 | 1.529 | 1.000 | 11.921 |
| T-2 | 46 | 166 3 19 | 315 45 58 | 15.076 | 2 24 42 | 15.063 | -162049.641 | -45623.532 | 46 | 1.529 | 1.000 | 11.914 |
| T-2 | 47 | 166 24 1 | 316 6 40 | 15.473 | 2 22 23 | 15.460 | -162049.292 | -45623.742 | 47 | 1.529 | 1.000 | 11.921 |
| T-2 | 48 | 166 0 8 | 315 42 47 | 14.941 | 2 27 6 | 14.927 | -162049.748 | -45623.447 | 48 | 1.529 | 1.000 | 11.919 |
| T-2 | 49 | 168 0 18 | 317 42 57 | 14.806 | 2 30 52 | 14.792 | -162049.491 | -45622.976 | 49 | 1.529 | 1.000 | 11.930 |
| T-2 | 50 | 91 0 38 | 240 43 17 | 9.882 | 3 51 28 | 9.860 | -162065.256 | -45621.624 | 50 | 1.529 | 1.000 | 11.945 |
| T-2 | 51 | 93 29 46 | 243 12 25 | 3.539 | 10 56 14 | 3.475 | -162062.000 | -45616.126 | 51 | 1.529 | 1.000 | 11.951 |
| T-2 | 52 | 109 21 6 | 259 3 45 | 3.738 | 10 9 25 | 3.679 | -162061.132 | -45616.636 | 52 | 1.529 | 1.000 | 11.939 |
| T-2 | 53 | 108 39 33 | 258 22 12 | 3.853 | 9 48 45 | 3.797 | -162061.199 | -45616.743 | 53 | 1.529 | 1.000 | 11.937 |
| T-2 | 54 | 116 22 52 | 266 5 31 | 4.052 | 9 16 26 | 3.999 | -162060.707 | -45617.014 | 54 | 1.529 | 1.000 | 11.933 |
| T-2 | 55 | 121 17 47 | 271 0 26 | 3.539 | 10 48 8 | 3.476 | -162060.373 | -45616.499 | 55 | 1.529 | 1.000 | 11.943 |
| T-2 | 56 | 94 51 26 | 244 34 5 | 3.684 | 12 36 23 | 3.595 | -162061.978 | -45616.271 | 56 | 1.529 | 1.000 | 12.084 |
| T-2 | 57 | 153 56 40 | 303 39 19 | 23.519 | 2 1 13 | 23.504 | -162047.408 | -45632.588 | 57 | 1.529 | 1.000 | 12.109 |
| T-2 | 58 | 171 55 16 | 321 37 55 | 21.399 | 2 13 0 | 21.383 | -162043.669 | -45626.297 | 58 | 1.529 | 1.000 | 12.108 |
| T-2 | 59 | 166 25 31 | 316 8 10 | 12.346 | -0 56 40 | 12.344 | -162051.534 | -45621.578 | 59 | 1.529 | 1.000 | 11.077 |
| T-2 | 60 | 180 26 42 | 330 9 21 | 11.691 | -0 37 30 | 11.690 | -162050.294 | -45618.841 | 60 | 1.529 | 1.000 | 11.152 |
| T-2 | 61 | 180 26 42 | 330 9 21 | 11.690 | -0 37 29 | 11.689 | -162050.295 | -45618.841 | 61 | 1.529 | 1.000 | 11.153 |
| T-2 | 62 | 168 38 59 | 318 21 38 | 12.226 | -0 56 7 | 12.224 | -162051.298 | -45621.146 | 62 | 1.529 | 1.000 | 11.080 |
| T-2 | 63 | 173 21 34 | 323 4 13 | 21.456 | 0 5 8 | 21.456 | -162043.283 | -45625.915 | 63 | 1.529 | 1.000 | 11.312 |
| T-2 | 64 | 175 29 49 | 325 12 28 | 33.087 | 0 38 32 | 33.085 | -162033.264 | -45631.902 | 64 | 1.529 | 1.000 | 11.651 |
| T-2 | 65 | 176 14 28 | 325 57 7 | 41.654 | 0 48 47 | 41.650 | -162025.924 | -45636.343 | 65 | 1.529 | 1.000 | 11.871 |
| T-2 | 66 | 176 32 36 | 326 15 15 | 49.021 | 0 54 42 | 49.015 | -162019.677 | -45640.252 | 66 | 1.529 | 1.000 | 12.060 |
| T-2 | 67 | 176 39 36 | 326 22 15 | 56.316 | 0 56 53 | 56.308 | -162013.550 | -45644.208 | 67 | 1.529 | 1.000 | 12.212 |

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| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|-----|-----------|-----------|--------|-----------|--------|-------------|------------|-----|-------|-------|--------|
| T-2 | 68 | 176 39 19 | 326 21 58 | 61.272 | 0 57 0 | 61.264 | -162009.426 | -45646.957 | 68 | 1.529 | 1.000 | 12.296 |
| T-2 | 69 | 176 35 14 | 326 17 53 | 66.374 | 0 57 14 | 66.365 | -162005.223 | -45649.848 | 69 | 1.529 | 1.000 | 12.385 |
| T-2 | 70 | 176 27 4 | 326 9 43 | 71.871 | 0 56 23 | 71.861 | -162000.745 | -45653.039 | 70 | 1.529 | 1.000 | 12.459 |
| T-2 | 71 | 176 19 15 | 326 1 54 | 76.015 | 0 48 7 | 76.008 | -161997.397 | -45655.492 | 71 | 1.529 | 1.000 | 12.344 |
| T-2 | 72 | 349 21 11 | 139 3 50 | 8.141 | -5 24 46 | 8.105 | -162066.557 | -45607.713 | 72 | 1.529 | 1.000 | 10.512 |
| T-2 | 73 | 357 6 59 | 146 49 38 | 8.023 | -5 29 34 | 7.986 | -162067.118 | -45608.654 | 73 | 1.529 | 1.000 | 10.512 |
| T-2 | 74 | 358 9 24 | 147 52 3 | 7.842 | -5 34 20 | 7.805 | -162067.043 | -45608.873 | 74 | 1.529 | 1.000 | 10.519 |
| T-2 | 75 | 357 23 19 | 147 5 58 | 5.263 | -7 32 9 | 5.218 | -162064.815 | -45610.190 | 75 | 1.529 | 1.000 | 10.590 |
| T-2 | 76 | 355 33 23 | 145 16 2 | 5.120 | -7 41 41 | 5.074 | -162064.604 | -45610.133 | 76 | 1.529 | 1.000 | 10.594 |
| T-2 | 77 | 343 41 20 | 133 23 59 | 5.303 | -7 25 43 | 5.258 | -162064.047 | -45609.204 | 77 | 1.529 | 1.000 | 10.594 |
| T-2 | 78 | 337 38 21 | 127 21 0 | 5.530 | -7 48 33 | 5.479 | -162063.758 | -45608.669 | 78 | 1.529 | 1.000 | 10.529 |
| T-2 | 79 | 334 59 9 | 124 41 48 | 5.615 | -7 29 11 | 5.567 | -162063.603 | -45608.447 | 79 | 1.529 | 1.000 | 10.548 |
| T-2 | 80 | 253 17 3 | 42 59 42 | 1.584 | -18 21 23 | 1.503 | -162059.335 | -45611.999 | 80 | 1.529 | 1.000 | 10.781 |
| T-2 | 81 | 253 57 47 | 43 40 26 | 2.208 | -16 15 52 | 2.120 | -162058.901 | -45611.560 | 81 | 1.529 | 1.000 | 10.662 |
| T-2 | 82 | 252 54 17 | 42 36 56 | 2.487 | -13 52 25 | 2.414 | -162058.658 | -45611.390 | 82 | 1.529 | 1.000 | 10.684 |
| T-2 | 83 | 196 25 49 | 346 8 28 | 7.040 | -3 40 12 | 7.026 | -162053.613 | -45614.707 | 83 | 1.529 | 1.000 | 10.829 |
| T-2 | 84 | 198 21 56 | 348 4 35 | 7.155 | -3 29 19 | 7.142 | -162053.446 | -45614.500 | 84 | 1.529 | 1.000 | 10.845 |
| T-2 | 85 | 192 23 26 | 342 6 5 | 9.742 | -1 38 45 | 9.738 | -162051.167 | -45616.017 | 85 | 1.529 | 1.000 | 11.000 |
| T-2 | 86 | 193 8 6 | 342 50 45 | 9.778 | -1 43 57 | 9.774 | -162051.095 | -45615.907 | 86 | 1.529 | 1.000 | 10.984 |
| T-2 | 87 | 187 5 29 | 336 48 8 | 16.801 | -0 10 40 | 16.801 | -162044.991 | -45619.642 | 87 | 1.529 | 1.000 | 11.228 |
| T-2 | 88 | 187 20 51 | 337 3 30 | 16.808 | -0 9 2 | 16.808 | -162044.955 | -45619.576 | 88 | 1.529 | 1.000 | 11.236 |
| T-2 | 89 | 185 18 5 | 335 0 44 | 22.318 | 0 15 5 | 22.318 | -162040.205 | -45622.452 | 89 | 1.529 | 1.000 | 11.378 |
| T-2 | 90 | 185 12 24 | 334 55 3 | 22.326 | 0 13 13 | 22.326 | -162040.213 | -45622.488 | 90 | 1.529 | 1.000 | 11.366 |
| T-2 | 91 | 183 24 4 | 333 6 43 | 22.228 | 0 18 39 | 22.228 | -162040.609 | -45623.077 | 91 | 1.529 | 1.000 | 11.401 |
| T-2 | 92 | 180 23 9 | 330 5 48 | 22.153 | 0 15 26 | 22.153 | -162041.230 | -45624.068 | 92 | 1.529 | 1.000 | 11.379 |
| T-2 | 93 | 180 3 4 | 329 45 43 | 22.312 | 0 16 50 | 22.312 | -162041.158 | -45624.260 | 93 | 1.529 | 1.000 | 11.389 |
| T-2 | 94 | 179 53 56 | 329 36 35 | 28.277 | 0 33 53 | 28.276 | -162036.043 | -45627.328 | 94 | 1.529 | 1.000 | 11.559 |
| T-2 | 95 | 179 44 14 | 329 26 53 | 36.545 | 0 45 7 | 36.542 | -162028.965 | -45631.599 | 95 | 1.529 | 1.000 | 11.760 |
| T-2 | 96 | 179 58 12 | 329 40 51 | 36.703 | 0 45 5 | 36.700 | -162028.754 | -45631.551 | 96 | 1.529 | 1.000 | 11.761 |
| T-2 | 97 | 181 48 17 | 331 30 56 | 36.751 | 0 49 24 | 36.747 | -162028.135 | -45630.549 | 97 | 1.529 | 1.000 | 11.808 |
| T-2 | 98 | 182 53 45 | 332 36 24 | 36.684 | 0 44 2 | 36.681 | -162027.866 | -45629.901 | 98 | 1.529 | 1.000 | 11.750 |
| T-2 | 99 | 182 56 1 | 332 38 40 | 36.703 | 0 44 20 | 36.700 | -162027.838 | -45629.888 | 99 | 1.529 | 1.000 | 11.753 |
| T-2 | 100 | 185 31 46 | 335 14 25 | 14.245 | -0 22 19 | 14.245 | -162047.499 | -45618.990 | 100 | 1.529 | 1.000 | 11.188 |
| T-2 | 101 | 180 48 16 | 330 30 55 | 14.187 | -0 28 14 | 14.187 | -162048.084 | -45620.007 | 101 | 1.529 | 1.000 | 11.163 |

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| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|-----|-----------|-----------|--------|----------|--------|-------------|------------|-----|-------|-------|--------|
| T-2 | 102 | 180 14 32 | 329 57 11 | 14.030 | -0 29 40 | 14.029 | -162048.290 | -45620.048 | 102 | 1.529 | 1.000 | 11.159 |
| T-2 | 103 | 180 52 51 | 330 35 30 | 9.268 | -1 33 41 | 9.265 | -162052.363 | -45617.573 | 103 | 1.529 | 1.000 | 11.027 |
| T-2 | 104 | 181 13 13 | 330 55 52 | 6.798 | -3 17 50 | 6.787 | -162054.502 | -45616.322 | 104 | 1.529 | 1.000 | 10.889 |
| T-2 | 105 | 173 27 25 | 323 10 4 | 14.735 | -0 38 54 | 14.734 | -162048.641 | -45621.857 | 105 | 1.529 | 1.000 | 11.113 |
| T-2 | 106 | 173 47 19 | 323 29 58 | 15.456 | -0 30 50 | 15.455 | -162048.010 | -45622.217 | 106 | 1.529 | 1.000 | 11.141 |
| T-2 | 107 | 176 8 30 | 325 51 9 | 15.384 | -0 26 53 | 15.384 | -162047.702 | -45621.659 | 107 | 1.529 | 1.000 | 11.160 |
| T-2 | 108 | 178 12 14 | 327 54 53 | 31.047 | 0 38 23 | 31.045 | -162034.131 | -45629.514 | 108 | 1.529 | 1.000 | 11.627 |
| T-2 | 109 | 169 24 26 | 319 7 5 | 16.063 | -0 33 36 | 16.062 | -162048.290 | -45623.537 | 109 | 1.529 | 1.000 | 11.123 |
| T-2 | 110 | 167 20 0 | 317 2 39 | 16.112 | 1 0 50 | 16.109 | -162048.644 | -45624.001 | 110 | 1.529 | 1.400 | 11.165 |
| T-2 | 111 | 166 47 48 | 316 30 27 | 15.583 | 1 5 25 | 15.580 | -162049.131 | -45623.747 | 111 | 1.529 | 1.400 | 11.177 |
| T-2 | 112 | 168 59 22 | 318 42 1 | 15.432 | 1 1 11 | 15.430 | -162048.842 | -45623.208 | 112 | 1.529 | 1.400 | 11.155 |
| T-2 | 113 | 169 29 50 | 319 12 29 | 21.307 | 1 19 28 | 21.301 | -162044.307 | -45626.940 | 113 | 1.529 | 1.400 | 11.372 |
| T-2 | 114 | 169 18 37 | 319 1 16 | 20.983 | 1 14 8 | 20.978 | -162044.597 | -45626.781 | 114 | 1.529 | 1.400 | 11.332 |
| T-2 | 115 | 167 41 36 | 317 24 15 | 21.077 | 1 24 48 | 21.071 | -162044.923 | -45627.285 | 115 | 1.529 | 1.400 | 11.400 |
| T-2 | 116 | 144 2 15 | 293 44 54 | 18.643 | 3 12 39 | 18.614 | -162052.938 | -45630.062 | 116 | 1.529 | 1.400 | 11.924 |
| T-2 | 117 | 118 32 6 | 268 14 45 | 3.116 | 3 5 10 | 3.111 | -162060.529 | -45616.134 | 117 | 1.529 | 1.400 | 11.048 |
| T-2 | 118 | 169 8 16 | 318 50 55 | 15.000 | 0 11 13 | 15.000 | -162049.139 | -45622.895 | 118 | 1.529 | 1.400 | 10.929 |
| T-2 | t3 | 14 2 18 | 163 44 57 | 4.853 | -9 55 14 | 4.780 | -162065.023 | -45611.686 | t3 | 1.529 | 0.800 | 10.644 |
| T-2 | t4 | 169 3 23 | 318 46 2 | 6.948 | -4 28 4 | 6.927 | -162055.225 | -45617.590 | t4 | 1.529 | 0.800 | 10.939 |
| T-2 | t5 | 173 14 20 | 322 56 59 | 11.843 | -1 50 30 | 11.837 | -162050.987 | -45620.156 | t5 | 1.529 | 0.800 | 11.099 |
| T-2 | t6 | 168 5 2 | 317 47 41 | 12.849 | -3 30 2 | 12.825 | -162050.934 | -45621.640 | t6 | 1.529 | 0.800 | 10.695 |
| T-2 | t7 | 176 1 56 | 325 44 35 | 18.192 | -0 41 43 | 18.191 | -162045.399 | -45623.264 | t7 | 1.529 | 0.800 | 11.259 |
| T-2 | t8 | 176 1 56 | 325 44 35 | 18.201 | -0 41 40 | 18.200 | -162045.391 | -45623.269 | t8 | 1.529 | 0.800 | 11.259 |
| T-2 | t9 | 177 31 22 | 327 14 1 | 36.526 | 0 26 45 | 36.525 | -162029.721 | -45632.792 | t9 | 1.529 | 0.800 | 11.764 |
| T-2 | t10 | 175 28 57 | 325 11 36 | 36.737 | -0 11 23 | 36.737 | -162030.270 | -45633.994 | t10 | 1.529 | 0.800 | 11.358 |
| T-2 | t11 | 126 46 47 | 276 29 26 | 11.633 | 3 16 3 | 11.614 | -162059.121 | -45624.564 | t11 | 1.529 | 0.800 | 12.143 |
| T-2 | t12 | 148 11 12 | 297 53 51 | 21.326 | 2 17 27 | 21.309 | -162050.464 | -45631.857 | t12 | 1.529 | 1.200 | 11.932 |
| T-2 | 119 | 172 2 6 | 321 44 45 | 21.526 | 0 36 11 | 21.525 | -162043.531 | -45626.351 | 119 | 1.529 | 1.200 | 11.307 |
| T-2 | 120 | 173 38 27 | 323 21 6 | 27.364 | 0 53 29 | 27.361 | -162038.482 | -45629.356 | 120 | 1.529 | 1.200 | 11.506 |
| T-2 | 121 | 171 12 58 | 320 55 37 | 27.516 | 2 4 28 | 27.498 | -162039.086 | -45630.356 | 121 | 1.529 | 1.200 | 12.076 |
| T-2 | 122 | 168 57 58 | 318 40 37 | 21.730 | 2 29 5 | 21.710 | -162044.130 | -45627.359 | 122 | 1.529 | 1.200 | 12.022 |
| T-2 | 123 | 353 32 26 | 143 15 5 | 8.409 | -6 3 27 | 8.362 | -162067.134 | -45608.021 | 123 | 1.529 | 1.200 | 10.193 |
| T-2 | 124 | 263 30 14 | 53 12 53 | 1.101 | 3 40 31 | 1.099 | -162059.776 | -45612.144 | 124 | 1.529 | 1.200 | 11.151 |
| T-2 | 125 | 263 30 14 | 53 12 53 | 1.302 | 3 6 39 | 1.300 | -162059.656 | -45611.983 | 125 | 1.529 | 1.200 | 11.151 |

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| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|-----|-----------|-----------|--------|----------|--------|-------------|------------|-----|-------|-------|--------|
| T-2 | 126 | 203 50 16 | 353 32 55 | 2.204 | -9 55 46 | 2.171 | -162058.277 | -45613.268 | 126 | 1.529 | 1.200 | 10.700 |
| T-2 | 127 | 286 58 31 | 76 41 10 | 19.364 | -2 22 46 | 19.347 | -162055.979 | -45594.197 | 127 | 1.529 | 1.200 | 10.276 |
| T-2 | 128 | 277 28 41 | 67 11 20 | 18.576 | -3 52 17 | 18.534 | -162053.249 | -45595.940 | 128 | 1.529 | 1.200 | 9.826 |
| T-2 | 129 | 249 38 27 | 39 21 6 | 19.676 | -1 18 35 | 19.671 | -162045.223 | -45600.551 | 129 | 1.529 | 1.200 | 10.630 |
| T-2 | 130 | 231 2 5 | 20 44 44 | 23.568 | 0 18 9 | 23.568 | -162038.394 | -45604.676 | 130 | 1.529 | 1.200 | 11.204 |
| T-2 | 131 | 235 19 59 | 25 2 38 | 21.990 | 6 1 32 | 21.869 | -162040.621 | -45603.767 | 131 | 1.529 | 1.200 | 13.388 |
| T-2 | 132 | 235 19 59 | 25 2 38 | 22.189 | 5 58 13 | 22.069 | -162040.440 | -45603.682 | 132 | 1.529 | 1.200 | 13.388 |
| T-2 | 133 | 181 22 39 | 331 5 18 | 29.480 | 0 55 58 | 29.476 | -162034.632 | -45627.274 | 133 | 1.529 | 1.200 | 11.560 |
| T-2 | 134 | 180 59 29 | 330 42 8 | 34.644 | 0 55 58 | 34.639 | -162030.226 | -45629.974 | 134 | 1.529 | 1.200 | 11.644 |
| T-2 | 135 | 181 32 47 | 331 15 26 | 30.797 | 2 17 12 | 30.772 | -162033.453 | -45627.822 | 135 | 1.529 | 1.200 | 12.309 |
| T-2 | 136 | 175 28 32 | 325 11 11 | 41.076 | 3 55 24 | 40.980 | -162026.789 | -45636.420 | 136 | 1.529 | 1.200 | 13.890 |
| T-2 | 137 | 172 1 14 | 321 43 53 | 22.445 | 7 11 33 | 22.268 | -162042.951 | -45626.816 | 137 | 1.529 | 1.200 | 13.890 |
| T-2 | 138 | 131 37 53 | 281 20 32 | 33.053 | 5 5 35 | 32.923 | -162053.959 | -45645.304 | 138 | 1.529 | 1.200 | 14.014 |
| T-2 | 139 | 133 32 49 | 283 15 28 | 33.715 | 4 39 1 | 33.604 | -162052.727 | -45645.732 | 139 | 1.529 | 1.200 | 13.813 |
| T-2 | 140 | 157 21 9 | 307 3 48 | 25.683 | 5 32 12 | 25.563 | -162045.027 | -45633.422 | 140 | 1.529 | 1.200 | 13.558 |
| T-2 | 141 | 171 6 20 | 320 48 59 | 29.644 | 3 31 10 | 29.588 | -162037.500 | -45631.718 | 141 | 1.529 | 1.200 | 12.900 |
| T-2 | t13 | 340 45 40 | 130 28 19 | 5.762 | -9 52 49 | 5.677 | -162064.119 | -45608.705 | t13 | 1.529 | 1.200 | 10.091 |
| T-2 | t14 | 197 30 5 | 347 12 44 | 5.976 | -6 51 37 | 5.933 | -162054.648 | -45614.337 | t14 | 1.529 | 1.200 | 10.366 |
| T-2 | t15 | 189 15 45 | 338 58 24 | 11.395 | -1 59 17 | 11.388 | -162049.804 | -45617.110 | t15 | 1.529 | 1.200 | 10.685 |
| T-2 | t16 | 182 51 48 | 332 34 27 | 32.017 | 0 18 15 | 32.017 | -162032.015 | -45627.771 | t16 | 1.529 | 1.200 | 11.250 |
| T-2 | 142 | 83 22 58 | 233 5 37 | 8.144 | 34 17 32 | 6.728 | -162064.474 | -45618.404 | 142 | 1.529 | 1.200 | 15.668 |
| T-2 | 143 | 27 9 29 | 176 52 8 | 14.614 | 18 42 45 | 13.842 | -162074.255 | -45612.268 | 143 | 1.529 | 1.200 | 15.768 |
| T-2 | 144 | 45 1 9 | 194 43 48 | 8.679 | 11 16 25 | 8.512 | -162068.666 | -45615.188 | 144 | 1.529 | 1.200 | 12.777 |
| T-2 | 145 | 25 46 17 | 175 28 56 | 6.806 | -12 0 12 | 6.657 | -162067.070 | -45612.500 | 145 | 1.529 | 1.200 | 9.665 |
| T-2 | 146 | 251 28 58 | 41 11 37 | 31.918 | 10 27 39 | 31.387 | -162036.816 | -45592.352 | 146 | 1.529 | 1.200 | 16.875 |
| T-2 | 147 | 248 27 53 | 38 10 32 | 27.588 | 12 6 38 | 26.974 | -162039.229 | -45596.352 | 147 | 1.529 | 1.200 | 16.868 |
| T-2 | 148 | 239 2 9 | 28 44 48 | 29.764 | 11 18 10 | 29.187 | -162034.844 | -45598.987 | 148 | 1.529 | 1.200 | 16.914 |
| T-2 | 149 | 237 11 37 | 26 54 16 | 40.843 | 8 13 0 | 40.424 | -162024.385 | -45594.732 | 149 | 1.529 | 1.200 | 16.917 |
| T-2 | 150 | 222 30 34 | 12 13 13 | 49.699 | 13 37 41 | 48.300 | -162013.228 | -45602.800 | 150 | 1.529 | 1.200 | 22.790 |
| T-2 | 151 | 216 42 25 | 6 25 4 | 45.868 | 14 50 58 | 44.336 | -162016.376 | -45608.068 | 151 | 1.529 | 1.200 | 22.835 |
| T-2 | 152 | 197 14 31 | 346 57 10 | 32.095 | 2 23 47 | 32.067 | -162029.195 | -45620.263 | 152 | 1.529 | 1.200 | 12.422 |
| T-2 | 153 | 202 45 57 | 352 28 36 | 46.071 | 7 9 3 | 45.713 | -162015.115 | -45619.009 | 153 | 1.529 | 1.200 | 16.815 |
| T-2 | 154 | 201 59 11 | 351 41 50 | 47.465 | 7 39 2 | 47.042 | -162013.885 | -45619.817 | 154 | 1.529 | 1.200 | 17.399 |
| T-2 | 155 | 195 0 40 | 344 43 19 | 65.553 | 2 12 43 | 65.504 | -161997.245 | -45630.284 | 155 | 1.529 | 1.200 | 13.610 |

多角測量計算簿

路線名 L08040856

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|-----|-----------|-----------|--------|-----------|--------|-------------|------------|-----|-------|-------|--------|
| T-2 | 156 | 181 8 27 | 330 51 6 | 42.103 | 9 39 9 | 41.507 | -162024.183 | -45633.241 | 156 | 1.529 | 1.200 | 18.140 |
| T-2 | 157 | 181 2 41 | 330 45 20 | 41.341 | 6 42 22 | 41.058 | -162024.609 | -45633.082 | 157 | 1.529 | 1.200 | 15.908 |
| T-2 | 158 | 320 20 52 | 110 3 31 | 8.567 | -10 49 18 | 8.415 | -162063.320 | -45605.119 | 158 | 1.529 | 1.200 | 9.472 |
| T-2 | 159 | 285 13 19 | 74 55 58 | 5.679 | -15 6 59 | 5.482 | -162059.009 | -45607.730 | 159 | 1.529 | 1.200 | 9.599 |
| T-2 | 160 | 236 4 20 | 25 46 59 | 6.489 | -12 9 26 | 6.343 | -162054.722 | -45610.265 | 160 | 1.529 | 1.200 | 9.713 |
| T-2 | 161 | 211 29 24 | 1 12 3 | 10.075 | -7 5 34 | 9.998 | -162050.438 | -45612.814 | 161 | 1.529 | 1.200 | 9.836 |
| T-2 | 162 | 200 53 36 | 350 36 15 | 14.542 | -4 9 13 | 14.504 | -162046.125 | -45615.392 | 162 | 1.529 | 1.200 | 10.027 |
| T-2 | 163 | 195 29 2 | 345 11 41 | 19.245 | -2 39 7 | 19.224 | -162041.848 | -45617.936 | 163 | 1.529 | 0.000 | 11.390 |
| T-2 | 164 | 188 26 8 | 338 8 47 | 33.786 | -0 51 45 | 33.782 | -162029.080 | -45625.599 | 164 | 1.529 | 0.000 | 11.771 |
| T-2 | 165 | 187 17 58 | 337 0 37 | 38.671 | -0 33 42 | 38.669 | -162024.836 | -45628.127 | 165 | 1.529 | 0.000 | 11.901 |
| T-2 | 166 | 186 24 36 | 336 7 15 | 43.685 | -0 19 18 | 43.684 | -162020.489 | -45630.708 | 166 | 1.529 | 0.000 | 12.035 |
| T-2 | 167 | 185 38 20 | 335 20 59 | 48.527 | -0 9 22 | 48.527 | -162016.329 | -45633.263 | 167 | 1.529 | 0.000 | 12.148 |
| T-2 | 168 | 196 15 43 | 345 58 22 | 30.448 | -1 1 15 | 30.443 | -162030.899 | -45620.403 | 168 | 1.529 | 0.000 | 11.738 |
| T-2 | 169 | 201 27 46 | 351 10 25 | 23.279 | -1 50 44 | 23.267 | -162037.443 | -45616.594 | 169 | 1.529 | 0.000 | 11.530 |
| T-2 | 170 | 208 13 22 | 357 56 1 | 17.930 | -2 55 41 | 17.907 | -162042.539 | -45613.670 | 170 | 1.529 | 0.000 | 11.364 |
| T-2 | 171 | 220 29 1 | 10 11 40 | 13.044 | -4 49 53 | 12.998 | -162047.641 | -45610.723 | 171 | 1.529 | 0.000 | 11.181 |
| T-2 | 172 | 234 58 27 | 24 41 6 | 10.341 | -6 42 25 | 10.270 | -162051.103 | -45608.735 | 172 | 1.529 | 0.000 | 11.072 |
| T-2 | 173 | 245 15 36 | 34 58 15 | 9.343 | -7 44 11 | 9.258 | -162052.848 | -45607.718 | 173 | 1.529 | 0.000 | 11.022 |
| T-2 | 174 | 283 45 15 | 73 27 54 | 8.738 | -9 14 6 | 8.625 | -162057.979 | -45604.756 | 174 | 1.529 | 0.000 | 10.878 |
| T-2 | 175 | 305 50 33 | 95 33 12 | 10.441 | -8 13 37 | 10.334 | -162061.434 | -45602.739 | 175 | 1.529 | 0.000 | 10.786 |
| T-2 | 176 | 320 27 58 | 110 10 37 | 13.330 | -6 52 28 | 13.234 | -162064.999 | -45600.602 | 176 | 1.529 | 0.000 | 10.684 |
| T-2 | 177 | 332 47 25 | 122 30 4 | 18.614 | -5 24 22 | 18.531 | -162070.391 | -45597.395 | 177 | 1.529 | 0.000 | 10.526 |
| T-2 | 178 | 340 51 7 | 130 33 46 | 26.037 | -4 15 4 | 25.965 | -162077.319 | -45593.299 | 178 | 1.529 | 0.000 | 10.350 |
| T-2 | 179 | 342 44 13 | 132 26 52 | 28.884 | -3 58 22 | 28.815 | -162079.882 | -45591.762 | 179 | 1.529 | 0.000 | 10.279 |
| T-2 | 180 | 338 38 56 | 128 21 35 | 24.824 | -4 20 24 | 24.753 | -162075.796 | -45593.614 | 180 | 1.529 | 0.000 | 10.401 |
| T-2 | 181 | 331 27 29 | 121 10 8 | 20.092 | -4 58 18 | 20.016 | -162070.794 | -45595.897 | 181 | 1.529 | 0.000 | 10.539 |
| T-2 | 182 | 314 18 45 | 104 1 24 | 14.482 | -6 10 36 | 14.398 | -162063.923 | -45599.055 | 182 | 1.529 | 0.000 | 10.722 |
| T-2 | 183 | 292 21 31 | 82 4 10 | 11.802 | -7 0 31 | 11.714 | -162058.818 | -45601.422 | 183 | 1.529 | 0.000 | 10.840 |
| T-2 | 184 | 251 31 32 | 41 14 11 | 11.450 | -6 14 39 | 11.382 | -162051.875 | -45605.521 | 184 | 1.529 | 0.000 | 11.035 |
| T-2 | 185 | 227 48 7 | 17 30 46 | 14.490 | -4 23 24 | 14.447 | -162046.657 | -45608.677 | 185 | 1.529 | 0.000 | 11.171 |
| T-2 | 186 | 213 59 44 | 3 42 23 | 18.995 | -2 46 42 | 18.973 | -162041.501 | -45611.797 | 186 | 1.529 | 0.000 | 11.359 |
| T-2 | 187 | 208 2 39 | 357 45 18 | 22.453 | -2 3 45 | 22.438 | -162038.013 | -45613.903 | 187 | 1.529 | 0.000 | 11.472 |
| T-2 | 188 | 198 26 33 | 348 9 12 | 32.776 | -0 52 16 | 32.772 | -162028.360 | -45619.752 | 188 | 1.529 | 0.000 | 11.782 |
| T-2 | 189 | 213 24 39 | 3 7 18 | 25.224 | -1 54 50 | 25.210 | -162035.261 | -45611.651 | 189 | 1.529 | 0.000 | 11.438 |

多角測量計算簿

路線名 L08040856

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|-----|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-2 | 190 | 220 56 40 | 10 39 19 | 21.287 | -2 35 46 | 21.265 | -162039.536 | -45609.092 | 190 | 1.529 | 0.000 | 11.316 |
| T-2 | 191 | 231 40 40 | 21 23 19 | 17.868 | -3 30 36 | 17.834 | -162043.828 | -45606.520 | 191 | 1.529 | 0.000 | 11.186 |
| T-2 | 192 | 246 38 59 | 36 21 38 | 15.331 | -4 35 45 | 15.282 | -162048.127 | -45603.964 | 192 | 1.529 | 0.000 | 11.052 |
| T-2 | 193 | 285 33 9 | 75 15 48 | 14.721 | -5 48 24 | 14.645 | -162056.709 | -45598.861 | 193 | 1.529 | 0.000 | 10.791 |
| T-2 | 194 | 302 17 13 | 91 59 52 | 16.797 | -5 30 25 | 16.719 | -162061.017 | -45596.315 | 194 | 1.529 | 0.000 | 10.668 |
| T-2 | 195 | 314 26 59 | 104 9 38 | 19.929 | -5 0 0 | 19.853 | -162065.291 | -45593.774 | 195 | 1.529 | 0.000 | 10.543 |
| T-2 | 196 | 308 57 44 | 98 40 23 | 14.329 | -6 12 17 | 14.245 | -162062.582 | -45598.942 | 196 | 1.529 | 0.000 | 10.731 |
| T-2 | 197 | 321 22 24 | 111 5 3 | 17.959 | -5 21 7 | 17.881 | -162066.867 | -45596.340 | 197 | 1.529 | 0.000 | 10.605 |
| T-2 | 198 | 1 51 26 | 151 34 5 | 19.100 | -2 17 47 | 19.085 | -162077.217 | -45603.937 | 198 | 1.529 | 1.200 | 10.315 |
| T-2 | t17 | 1 49 56 | 151 32 35 | 19.097 | -2 17 59 | 19.082 | -162077.210 | -45603.931 | t17 | 1.529 | 1.200 | 10.314 |
| T-2 | t18 | 1 50 53 | 151 33 32 | 19.176 | -5 53 2 | 19.075 | -162077.207 | -45603.939 | t18 | 1.529 | 0.000 | 10.314 |
| T-2 | t19 | 303 46 6 | 93 28 45 | 10.952 | -7 44 31 | 10.852 | -162061.093 | -45602.192 | t19 | 1.529 | 0.000 | 10.805 |
| T-2 | t20 | 223 40 13 | 13 22 52 | 13.658 | -4 36 37 | 13.614 | -162047.190 | -45609.873 | t20 | 1.529 | 0.000 | 11.182 |
| T-2 | t21 | 209 46 28 | 359 29 7 | 19.362 | -2 35 47 | 19.342 | -162041.093 | -45613.198 | t21 | 1.529 | 0.000 | 11.403 |
| T-2 | t22 | 198 19 12 | 348 1 51 | 29.908 | -1 4 52 | 29.903 | -162031.181 | -45619.225 | t22 | 1.529 | 0.000 | 11.716 |
| T-2-2 | T-2 | | 149 47 32 | | | | -162020.839 | -45636.076 | T-2-2 | | | 12.039 |
| T-2-2 | 199 | 359 45 11 | 149 32 43 | 45.369 | -2 1 40 | 45.341 | -162059.925 | -45613.094 | 199 | 1.533 | 1.200 | 10.767 |
| T-2-2 | 200 | 359 32 13 | 149 19 45 | 45.507 | -2 2 13 | 45.478 | -162059.956 | -45612.877 | 200 | 1.533 | 1.200 | 10.755 |
| T-2-2 | 201 | 359 32 12 | 149 19 44 | 45.517 | -2 2 10 | 45.488 | -162059.964 | -45612.872 | 201 | 1.533 | 1.200 | 10.755 |
| T-2-2 | 202 | 1 13 27 | 151 0 59 | 9.218 | -3 36 47 | 9.200 | -162028.887 | -45631.618 | 202 | 1.533 | 1.200 | 11.791 |
| T-2-2 | 203 | 4 12 47 | 154 0 19 | 4.213 | -6 19 16 | 4.187 | -162024.603 | -45634.241 | 203 | 1.533 | 1.200 | 11.908 |
| T-2-2 | 204 | 2 21 6 | 152 8 38 | 4.014 | -6 29 53 | 3.988 | -162024.365 | -45634.212 | 204 | 1.533 | 1.200 | 11.918 |
| T-2-2 | 205 | 346 0 3 | 135 47 35 | 4.092 | -5 39 28 | 4.072 | -162023.758 | -45633.236 | 205 | 1.533 | 1.200 | 11.969 |
| T-2-2 | 206 | 355 43 17 | 145 30 49 | 8.465 | -0 36 13 | 8.465 | -162027.817 | -45631.283 | 206 | 1.533 | 1.200 | 12.283 |
| T-2-2 | 207 | 358 40 49 | 148 28 21 | 8.456 | -0 36 12 | 8.456 | -162028.047 | -45631.654 | 207 | 1.533 | 1.200 | 12.283 |
| T-2-2 | 208 | 358 37 44 | 148 25 16 | 7.351 | -1 35 32 | 7.348 | -162027.099 | -45632.228 | 208 | 1.533 | 1.200 | 12.168 |
| T-2-2 | 209 | 354 33 24 | 144 20 56 | 6.255 | -1 14 44 | 6.254 | -162025.921 | -45632.431 | 209 | 1.533 | 1.200 | 12.236 |
| T-2-2 | 210 | 358 37 45 | 148 25 17 | 6.237 | -1 2 35 | 6.236 | -162026.152 | -45632.810 | 210 | 1.533 | 1.200 | 12.259 |
| T-2-2 | 211 | 358 30 30 | 148 18 2 | 5.132 | -2 4 57 | 5.129 | -162025.203 | -45633.381 | 211 | 1.533 | 1.200 | 12.186 |
| T-2-2 | 212 | 353 52 2 | 143 39 34 | 8.591 | -1 33 53 | 8.588 | -162027.757 | -45630.987 | 212 | 1.533 | 1.200 | 12.138 |
| T-2-2 | 213 | 352 59 35 | 142 47 7 | 7.292 | -1 47 37 | 7.288 | -162026.643 | -45631.668 | 213 | 1.533 | 1.200 | 12.144 |
| T-2-2 | 214 | 49 46 7 | 199 33 39 | 4.431 | -11 12 22 | 4.347 | -162024.936 | -45637.531 | 214 | 1.533 | 0.800 | 11.911 |
| T-2-2 | 215 | 36 45 48 | 186 33 20 | 5.562 | -9 15 48 | 5.489 | -162026.293 | -45636.702 | 215 | 1.533 | 0.800 | 11.877 |

多角測量計算簿

路線名 L08040856

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|-----|-----------|-----------|--------|-----------|--------|-------------|------------|-----|-------|-------|--------|
| T-2-2 | 216 | 44 10 50 | 193 58 22 | 6.192 | -6 18 21 | 6.155 | -162026.812 | -45637.562 | 216 | 1.533 | 0.800 | 12.092 |
| T-2-2 | 217 | 53 24 45 | 203 12 17 | 4.812 | -9 18 1 | 4.749 | -162025.204 | -45637.947 | 217 | 1.533 | 0.800 | 11.994 |
| T-2-2 | 218 | 43 46 0 | 193 33 32 | 5.502 | -7 35 23 | 5.454 | -162026.141 | -45637.354 | 218 | 1.533 | 0.800 | 12.045 |
| T-2-2 | 219 | 47 19 37 | 197 7 9 | 5.893 | -7 3 37 | 5.848 | -162026.428 | -45637.797 | 219 | 1.533 | 0.800 | 12.048 |
| T-2-2 | 220 | 46 24 46 | 196 12 18 | 5.979 | -6 54 29 | 5.936 | -162026.540 | -45637.732 | 220 | 1.533 | 0.800 | 12.053 |
| T-2-2 | 221 | 67 38 4 | 217 25 36 | 10.882 | -3 0 47 | 10.867 | -162029.469 | -45642.680 | 221 | 1.533 | 0.800 | 12.200 |
| T-2-2 | 222 | 65 57 44 | 215 45 16 | 11.014 | -3 56 31 | 10.988 | -162029.757 | -45642.496 | 222 | 1.533 | 0.800 | 12.015 |
| T-2-2 | 223 | 64 33 58 | 214 21 30 | 11.126 | -3 55 50 | 11.100 | -162030.003 | -45642.340 | 223 | 1.533 | 0.800 | 12.009 |
| T-2-2 | 224 | 44 34 57 | 194 22 29 | 6.678 | -6 50 50 | 6.630 | -162027.262 | -45637.722 | 224 | 1.533 | 0.800 | 11.976 |
| T-2-2 | 225 | 43 11 0 | 192 58 32 | 6.825 | -5 36 49 | 6.792 | -162027.458 | -45637.601 | 225 | 1.533 | 0.800 | 12.104 |
| T-2-2 | 226 | 39 44 55 | 189 32 27 | 6.495 | -6 5 12 | 6.458 | -162027.208 | -45637.146 | 226 | 1.533 | 0.800 | 12.083 |
| T-2-2 | 227 | 42 56 30 | 192 44 2 | 6.092 | -6 24 9 | 6.054 | -162026.745 | -45637.410 | 227 | 1.533 | 0.800 | 12.093 |
| T-2-2 | 228 | 137 50 48 | 287 38 20 | 20.209 | -0 51 27 | 20.207 | -162014.716 | -45655.333 | 228 | 1.533 | 0.800 | 12.470 |
| T-2-2 | 229 | 137 50 48 | 287 38 20 | 20.215 | -0 51 29 | 20.213 | -162014.715 | -45655.338 | 229 | 1.533 | 0.800 | 12.469 |
| T-2-2 | 230 | 138 17 49 | 288 5 21 | 20.481 | -0 13 16 | 20.481 | -162014.480 | -45655.544 | 230 | 1.533 | 0.800 | 12.693 |
| T-2-2 | 231 | 156 57 14 | 306 44 46 | 16.302 | -1 10 10 | 16.299 | -162011.088 | -45649.136 | 231 | 1.533 | 0.800 | 12.439 |
| T-2-2 | 232 | 164 51 43 | 314 39 15 | 15.914 | -1 17 55 | 15.910 | -162009.657 | -45647.393 | 232 | 1.533 | 0.800 | 12.411 |
| T-2-2 | 233 | 334 2 40 | 123 50 12 | 4.008 | -12 3 20 | 3.920 | -162023.022 | -45632.820 | 233 | 1.533 | 0.800 | 11.935 |
| T-2-2 | 234 | 334 17 26 | 124 4 58 | 3.971 | -12 15 51 | 3.880 | -162023.014 | -45632.862 | 234 | 1.533 | 0.800 | 11.929 |
| T-2-2 | 235 | 345 59 16 | 135 46 48 | 4.167 | -11 12 11 | 4.088 | -162023.769 | -45633.225 | 235 | 1.533 | 0.800 | 11.963 |
| T-2-2 | 236 | 190 50 35 | 340 38 7 | 3.937 | -9 16 12 | 3.886 | -162017.173 | -45637.364 | 236 | 1.533 | 0.800 | 12.138 |
| T-2-2 | 237 | 201 16 39 | 351 4 11 | 4.062 | -9 21 54 | 4.008 | -162016.880 | -45636.698 | 237 | 1.533 | 0.800 | 12.111 |
| T-2-2 | 238 | 201 29 51 | 351 17 23 | 4.074 | -9 4 57 | 4.023 | -162016.863 | -45636.685 | 238 | 1.533 | 0.800 | 12.129 |
| T-2-2 | 239 | 186 21 19 | 336 8 51 | 10.635 | -2 43 8 | 10.623 | -162011.124 | -45640.371 | 239 | 1.533 | 0.800 | 12.268 |
| T-2-2 | 240 | 186 10 31 | 335 58 3 | 10.614 | -2 45 49 | 10.602 | -162011.156 | -45640.393 | 240 | 1.533 | 0.800 | 12.260 |
| T-2-2 | 241 | 182 19 13 | 332 6 45 | 10.571 | -2 24 49 | 10.562 | -162011.504 | -45641.016 | 241 | 1.533 | 0.800 | 12.327 |
| T-2-2 | 242 | 180 30 57 | 330 18 29 | 15.004 | -1 24 8 | 15.000 | -162007.809 | -45643.506 | 242 | 1.533 | 0.800 | 12.405 |
| T-2-2 | 243 | 183 17 12 | 333 4 44 | 15.058 | -1 42 14 | 15.051 | -162007.420 | -45642.890 | 243 | 1.533 | 0.800 | 12.324 |
| T-2-2 | 244 | 183 30 1 | 333 17 33 | 15.047 | -1 39 9 | 15.041 | -162007.403 | -45642.836 | 244 | 1.533 | 0.800 | 12.338 |
| T-2-2 | 245 | 181 35 7 | 331 22 39 | 19.967 | -1 2 9 | 19.964 | -162003.315 | -45645.639 | 245 | 1.533 | 0.800 | 12.411 |
| T-2-2 | 246 | 181 26 16 | 331 13 48 | 19.973 | -1 4 11 | 19.970 | -162003.335 | -45645.687 | 246 | 1.533 | 0.800 | 12.399 |
| T-2-2 | 247 | 179 26 35 | 329 14 7 | 19.900 | -0 48 24 | 19.898 | -162003.742 | -45646.254 | 247 | 1.533 | 0.800 | 12.492 |
| T-2-2 | 248 | 180 5 22 | 329 52 54 | 25.641 | -0 37 40 | 25.639 | -161998.662 | -45648.941 | 248 | 1.533 | 0.800 | 12.491 |
| T-2-2 | 249 | 179 58 35 | 329 46 7 | 25.667 | -0 39 18 | 25.665 | -161998.665 | -45648.998 | 249 | 1.533 | 0.800 | 12.479 |

多角測量計算簿

路線名 L08040856

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|-----|-----------|-----------|--------|----------|--------|-------------|------------|-----|-------|-------|--------|
| T-2-2 | 250 | 178 24 43 | 328 12 15 | 25.687 | -0 4 18 | 25.687 | -161999.007 | -45649.610 | 250 | 1.533 | 1.000 | 12.540 |
| T-2-2 | 251 | 179 49 14 | 329 36 46 | 26.371 | -0 10 0 | 26.371 | -161998.091 | -45649.415 | 251 | 1.533 | 1.000 | 12.495 |
| T-2-2 | 252 | 179 53 32 | 329 41 4 | 26.333 | -0 9 24 | 26.333 | -161998.107 | -45649.368 | 252 | 1.533 | 1.000 | 12.500 |
| T-2-2 | 253 | 178 16 32 | 328 4 4 | 26.303 | -0 5 24 | 26.303 | -161998.517 | -45649.988 | 253 | 1.533 | 1.000 | 12.531 |
| T-2-2 | 254 | 178 16 33 | 328 4 5 | 26.306 | -0 5 25 | 26.306 | -161998.514 | -45649.989 | 254 | 1.533 | 1.000 | 12.531 |
| T-2-2 | 255 | 179 1 11 | 328 48 43 | 27.838 | -0 6 45 | 27.838 | -161997.025 | -45650.491 | 255 | 1.533 | 1.000 | 12.517 |
| T-2-2 | 256 | 179 14 8 | 329 1 40 | 27.378 | -0 9 26 | 27.378 | -161997.365 | -45650.165 | 256 | 1.533 | 1.000 | 12.497 |
| T-2-2 | 257 | 177 38 24 | 327 25 56 | 27.466 | -0 6 1 | 27.466 | -161997.692 | -45650.860 | 257 | 1.533 | 1.000 | 12.524 |
| T-2-2 | 258 | 175 33 3 | 325 20 35 | 29.002 | -0 8 46 | 29.002 | -161996.983 | -45652.568 | 258 | 1.533 | 1.000 | 12.498 |
| T-2-2 | 259 | 176 29 58 | 326 17 30 | 29.506 | -0 10 27 | 29.506 | -161996.294 | -45652.450 | 259 | 1.533 | 1.000 | 12.482 |
| T-2-2 | 260 | 176 37 3 | 326 24 35 | 29.604 | -0 8 0 | 29.604 | -161996.179 | -45652.454 | 260 | 1.533 | 1.000 | 12.503 |
| T-2-2 | 261 | 173 11 13 | 322 58 45 | 30.713 | -0 11 56 | 30.713 | -161996.318 | -45654.568 | 261 | 1.533 | 1.000 | 12.465 |
| T-2-2 | 262 | 173 3 48 | 322 51 20 | 30.646 | -0 13 46 | 30.646 | -161996.411 | -45654.580 | 262 | 1.533 | 1.000 | 12.449 |
| T-2-2 | 263 | 172 36 56 | 322 24 28 | 30.007 | -0 11 41 | 30.007 | -161997.063 | -45654.381 | 263 | 1.533 | 1.000 | 12.470 |
| T-2-2 | 264 | 171 42 20 | 321 29 52 | 30.929 | -0 15 21 | 30.929 | -161996.635 | -45655.330 | 264 | 1.533 | 1.000 | 12.434 |
| T-2-2 | 265 | 171 35 17 | 321 22 49 | 30.899 | -0 16 38 | 30.899 | -161996.698 | -45655.361 | 265 | 1.533 | 1.000 | 12.423 |
| T-2-2 | 266 | 170 30 50 | 320 18 22 | 30.269 | -0 15 43 | 30.269 | -161997.548 | -45655.408 | 266 | 1.533 | 1.000 | 12.434 |
| T-2-2 | 267 | 171 30 27 | 321 17 59 | 30.407 | -0 18 33 | 30.407 | -161997.109 | -45655.087 | 267 | 1.533 | 1.000 | 12.408 |
| T-2-2 | 268 | 171 38 29 | 321 26 1 | 31.405 | -0 16 39 | 31.405 | -161996.284 | -45655.654 | 268 | 1.533 | 1.000 | 12.420 |
| T-2-2 | 269 | 169 49 26 | 319 36 58 | 31.500 | -0 22 3 | 31.499 | -161996.846 | -45656.484 | 269 | 1.533 | 1.000 | 12.370 |
| T-2-2 | 270 | 182 20 17 | 332 7 49 | 10.569 | -1 18 39 | 10.566 | -162011.499 | -45641.015 | 270 | 1.533 | 1.000 | 12.330 |
| T-2-2 | 271 | 176 11 23 | 325 58 55 | 10.449 | -1 28 24 | 10.446 | -162012.181 | -45641.920 | 271 | 1.533 | 1.000 | 12.303 |
| T-2-2 | 272 | 175 19 23 | 325 6 55 | 10.605 | -1 29 56 | 10.601 | -162012.143 | -45642.139 | 272 | 1.533 | 1.000 | 12.295 |
| T-2-2 | 273 | 175 36 25 | 325 23 57 | 14.822 | -0 48 35 | 14.821 | -162008.640 | -45644.492 | 273 | 1.533 | 1.000 | 12.363 |
| T-2-2 | 274 | 176 13 15 | 326 0 47 | 14.964 | -0 43 51 | 14.963 | -162008.433 | -45644.440 | 274 | 1.533 | 1.000 | 12.381 |
| T-2-2 | 275 | 180 31 16 | 330 18 48 | 15.020 | -0 37 16 | 15.019 | -162007.792 | -45643.514 | 275 | 1.533 | 1.000 | 12.409 |
| T-2-2 | 276 | 179 28 42 | 329 16 14 | 19.869 | -0 16 36 | 19.869 | -162003.760 | -45646.228 | 276 | 1.533 | 1.000 | 12.476 |
| T-2-2 | 277 | 175 39 1 | 325 26 33 | 19.974 | -0 21 6 | 19.974 | -162004.390 | -45647.406 | 277 | 1.533 | 1.000 | 12.450 |
| T-2-2 | 278 | 176 10 47 | 325 58 19 | 19.847 | -0 18 8 | 19.847 | -162004.391 | -45647.182 | 278 | 1.533 | 1.000 | 12.467 |
| T-2-2 | 279 | 175 39 23 | 325 26 55 | 20.017 | -0 21 5 | 20.017 | -162004.353 | -45647.428 | 279 | 1.533 | 1.000 | 12.449 |
| T-2-2 | 280 | 175 20 48 | 325 8 20 | 25.480 | -0 10 12 | 25.480 | -161999.932 | -45650.640 | 280 | 1.533 | 1.000 | 12.497 |
| T-2-2 | 281 | 175 51 8 | 325 38 40 | 25.629 | -0 6 38 | 25.629 | -161999.681 | -45650.539 | 281 | 1.533 | 1.000 | 12.523 |
| T-2-2 | 282 | 178 21 16 | 328 8 48 | 25.687 | -0 4 9 | 25.687 | -161999.021 | -45649.632 | 282 | 1.533 | 1.000 | 12.541 |
| T-2-2 | t23 | 189 19 12 | 339 6 44 | 6.325 | -9 21 49 | 6.241 | -162015.009 | -45638.301 | t23 | 1.533 | 0.800 | 11.743 |

多角測量計算簿

路線名 L08040856

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|-----|-----------|-----------|--------|----------|--------|-------------|------------|-----|-------|-------|--------|
| T-2-2 | 283 | 193 26 39 | 343 14 11 | 5.941 | -5 55 52 | 5.909 | -162015.182 | -45637.780 | 283 | 1.533 | 0.800 | 12.158 |
| T-2-2 | 284 | 191 44 36 | 341 32 8 | 6.607 | -5 16 57 | 6.579 | -162014.599 | -45638.159 | 284 | 1.533 | 0.800 | 12.164 |
| T-2-2 | 285 | 187 19 43 | 337 7 15 | 6.488 | -5 29 25 | 6.458 | -162014.890 | -45638.586 | 285 | 1.533 | 0.800 | 12.151 |
| T-2-2 | 286 | 354 18 15 | 144 5 47 | 14.289 | -1 20 53 | 14.285 | -162032.410 | -45627.699 | 286 | 1.533 | 1.600 | 11.636 |
| T-2-2 | 287 | 354 8 6 | 143 55 38 | 13.607 | -1 21 16 | 13.603 | -162031.834 | -45628.066 | 287 | 1.533 | 1.600 | 11.650 |
| T-2-2 | 288 | 356 31 43 | 146 19 15 | 35.156 | -1 27 46 | 35.145 | -162050.086 | -45616.586 | 288 | 1.533 | 1.600 | 11.075 |
| T-2-2 | 289 | 356 29 49 | 146 17 21 | 34.458 | -1 26 13 | 34.447 | -162049.494 | -45616.958 | 289 | 1.533 | 1.600 | 11.108 |
| T-2-2 | t24 | 165 17 27 | 315 4 59 | 6.242 | -5 36 40 | 6.212 | -162016.441 | -45640.462 | t24 | 1.533 | 0.800 | 12.162 |
| T-2-2 | t25 | 150 4 53 | 299 52 25 | 6.862 | -8 40 16 | 6.784 | -162017.460 | -45641.958 | t25 | 1.533 | 0.800 | 11.738 |
| T-2-2 | t26 | 122 7 19 | 271 54 51 | 10.838 | -2 30 17 | 10.828 | -162020.478 | -45646.898 | t26 | 1.533 | 0.800 | 12.298 |
| T-2-2 | 290 | 172 28 40 | 322 16 12 | 21.245 | -0 55 5 | 21.242 | -162004.039 | -45649.074 | 290 | 1.533 | 0.800 | 12.432 |
| T-2-2 | t27 | 172 28 40 | 322 16 12 | 21.246 | -0 55 4 | 21.243 | -162004.038 | -45649.075 | t27 | 1.533 | 0.800 | 12.432 |
| T-2-2 | t28 | 168 22 26 | 318 9 58 | 21.378 | -2 1 39 | 21.365 | -162004.921 | -45650.326 | t28 | 1.533 | 0.800 | 12.016 |
| T-2-2 | t29 | 165 38 55 | 315 26 27 | 23.373 | -0 48 58 | 23.371 | -162004.187 | -45652.474 | t29 | 1.533 | 0.800 | 12.439 |
| T-2-2 | t30 | 172 59 6 | 322 46 38 | 28.066 | -0 34 41 | 28.065 | -161998.492 | -45653.053 | t30 | 1.533 | 0.800 | 12.489 |
| T-2-2 | 291 | 53 24 21 | 203 11 53 | 6.220 | -6 40 2 | 6.178 | -162026.518 | -45638.509 | 291 | 1.533 | 0.800 | 12.050 |
| T-2-2 | 292 | 100 11 42 | 249 59 14 | 5.144 | -7 33 33 | 5.099 | -162022.584 | -45640.867 | 292 | 1.533 | 0.800 | 12.095 |
| T-2-2 | 293 | 63 53 8 | 213 40 40 | 8.353 | -4 31 5 | 8.327 | -162027.769 | -45640.693 | 293 | 1.533 | 0.800 | 12.114 |
| T-2-2 | 294 | 96 34 18 | 246 21 50 | 7.579 | -4 34 9 | 7.555 | -162023.868 | -45642.997 | 294 | 1.533 | 0.800 | 12.168 |
| T-2-2 | 295 | 94 43 25 | 244 30 57 | 10.054 | -2 59 33 | 10.040 | -162025.159 | -45645.139 | 295 | 1.533 | 0.800 | 12.247 |
| T-2-2 | 296 | 69 36 44 | 219 24 16 | 10.666 | -3 9 16 | 10.650 | -162029.069 | -45642.836 | 296 | 1.533 | 0.800 | 12.185 |
| T-2-2 | 297 | 72 0 8 | 221 47 40 | 10.198 | -3 19 30 | 10.181 | -162028.430 | -45642.861 | 297 | 1.533 | 0.800 | 12.181 |
| T-2-2 | 298 | 70 54 47 | 220 42 19 | 9.641 | -3 37 31 | 9.622 | -162028.134 | -45642.351 | 298 | 1.533 | 0.800 | 12.162 |
| T-2-2 | 299 | 69 40 55 | 219 28 27 | 9.067 | -3 58 10 | 9.045 | -162027.821 | -45641.826 | 299 | 1.533 | 0.800 | 12.144 |
| T-2-2 | 300 | 68 21 32 | 218 9 4 | 8.516 | -4 20 46 | 8.492 | -162027.517 | -45641.322 | 300 | 1.533 | 0.800 | 12.127 |
| T-2-2 | 301 | 66 22 19 | 216 9 51 | 7.851 | -4 53 17 | 7.822 | -162027.154 | -45640.691 | 301 | 1.533 | 0.800 | 12.103 |
| T-2-2 | 302 | 134 47 28 | 284 35 0 | 14.265 | -1 34 51 | 14.260 | -162017.249 | -45649.876 | 302 | 1.533 | 0.800 | 12.379 |
| T-2-2 | 303 | 145 13 7 | 295 0 39 | 17.825 | -1 7 53 | 17.822 | -162013.304 | -45652.226 | 303 | 1.533 | 0.800 | 12.420 |
| T-2-2 | 304 | 152 22 4 | 302 9 36 | 16.515 | -1 13 18 | 16.511 | -162012.051 | -45650.053 | 304 | 1.533 | 0.800 | 12.420 |
| T-2-2 | 305 | 142 41 37 | 292 29 9 | 12.640 | 1 22 23 | 12.636 | -162016.007 | -45647.751 | 305 | 1.533 | 0.800 | 13.075 |
| T-2-2 | 306 | 152 53 18 | 302 40 50 | 11.302 | 1 13 32 | 11.299 | -162014.739 | -45645.586 | 306 | 1.533 | 0.800 | 13.014 |
| T-2-2 | 307 | 160 34 51 | 310 22 23 | 15.583 | 1 18 23 | 15.579 | -162010.748 | -45647.944 | 307 | 1.533 | 0.800 | 13.127 |
| T-2-2 | 308 | 158 16 31 | 308 4 3 | 15.124 | 1 23 28 | 15.120 | -162011.517 | -45647.979 | 308 | 1.533 | 0.800 | 13.139 |
| T-2-2 | 309 | 156 12 10 | 305 59 42 | 15.338 | 1 22 3 | 15.334 | -162011.827 | -45648.482 | 309 | 1.533 | 0.800 | 13.138 |

多角測量計算簿

路線名 L08040856

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|-----|-----------|-----------|--------|----------|--------|-------------|------------|-----|-------|-------|--------|
| T-2-2 | 310 | 154 13 11 | 304 0 43 | 15.625 | 1 20 14 | 15.621 | -162012.102 | -45649.024 | 310 | 1.533 | 0.800 | 13.137 |
| T-2-2 | 311 | 152 27 13 | 302 14 45 | 15.862 | 1 19 56 | 15.858 | -162012.378 | -45649.488 | 311 | 1.533 | 0.800 | 13.141 |
| T-2-2 | 312 | 157 42 3 | 307 29 35 | 15.705 | 1 22 3 | 15.701 | -162011.283 | -45648.533 | 312 | 1.533 | 0.800 | 13.147 |
| T-2-2 | 313 | 158 19 37 | 308 7 9 | 16.077 | 1 19 26 | 16.073 | -162010.918 | -45648.721 | 313 | 1.533 | 0.800 | 13.144 |
| T-2-2 | 314 | 329 5 38 | 118 53 10 | 18.325 | -2 31 26 | 18.307 | -162029.683 | -45620.046 | 314 | 1.533 | 1.000 | 11.765 |
| T-2-2 | 315 | 330 13 39 | 120 1 11 | 17.890 | -2 33 42 | 17.872 | -162029.781 | -45620.601 | 315 | 1.533 | 1.000 | 11.773 |
| T-2-2 | 316 | 330 3 6 | 119 50 38 | 17.310 | -2 38 37 | 17.292 | -162029.445 | -45621.077 | 316 | 1.533 | 1.000 | 11.774 |
| T-2-2 | 317 | 317 55 33 | 107 43 5 | 12.810 | -3 0 38 | 12.792 | -162024.733 | -45623.890 | 317 | 1.533 | 1.000 | 11.899 |
| T-2-2 | 318 | 301 25 44 | 91 13 16 | 9.965 | -3 16 53 | 9.949 | -162021.052 | -45626.129 | 318 | 1.533 | 1.000 | 12.002 |
| T-2-2 | 319 | 272 5 20 | 61 52 52 | 8.373 | -2 53 53 | 8.362 | -162016.898 | -45628.701 | 319 | 1.533 | 1.000 | 12.149 |
| T-2-2 | 320 | 237 22 35 | 27 10 7 | 9.669 | -1 38 49 | 9.665 | -162012.241 | -45631.663 | 320 | 1.533 | 1.000 | 12.294 |
| T-2-2 | 321 | 213 15 45 | 3 3 17 | 14.258 | -0 28 5 | 14.258 | -162006.602 | -45635.316 | 321 | 1.533 | 1.000 | 12.456 |
| T-2-2 | 322 | 201 35 51 | 351 23 23 | 20.028 | 0 5 2 | 20.028 | -162001.037 | -45639.074 | 322 | 1.533 | 1.000 | 12.601 |
| T-2-2 | 323 | 197 1 37 | 346 49 9 | 23.967 | 0 17 46 | 23.967 | -161997.504 | -45641.541 | 323 | 1.533 | 1.000 | 12.696 |
| T-2-2 | 324 | 195 0 19 | 344 47 51 | 26.270 | 0 22 20 | 26.269 | -161995.490 | -45642.964 | 324 | 1.533 | 1.000 | 12.743 |
| T-2-2 | 325 | 194 59 28 | 344 47 0 | 26.805 | 0 26 7 | 26.804 | -161994.975 | -45643.111 | 325 | 1.533 | 1.000 | 12.776 |
| T-2-2 | 326 | 195 55 38 | 345 43 10 | 27.213 | 0 30 32 | 27.212 | -161994.468 | -45642.788 | 326 | 1.533 | 1.000 | 12.814 |
| T-2-2 | 327 | 197 8 40 | 346 56 12 | 27.196 | 0 32 59 | 27.195 | -161994.348 | -45642.222 | 327 | 1.533 | 1.000 | 12.833 |
| T-2-2 | 328 | 198 1 8 | 347 48 40 | 26.797 | 0 29 59 | 26.796 | -161994.648 | -45641.733 | 328 | 1.533 | 1.000 | 12.806 |
| T-2-2 | 329 | 202 18 27 | 352 5 59 | 22.871 | 0 19 35 | 22.871 | -161998.186 | -45639.219 | 329 | 1.533 | 1.000 | 12.702 |
| T-2-2 | 330 | 208 9 56 | 357 57 28 | 19.065 | 0 3 56 | 19.065 | -162001.787 | -45636.755 | 330 | 1.533 | 1.000 | 12.594 |
| T-2-2 | 331 | 217 30 41 | 7 18 13 | 15.262 | -0 19 18 | 15.262 | -162005.701 | -45634.135 | 331 | 1.533 | 1.000 | 12.486 |
| T-2-2 | 332 | 233 11 40 | 22 59 12 | 11.961 | -0 57 59 | 11.959 | -162009.830 | -45631.405 | 332 | 1.533 | 1.000 | 12.370 |
| T-2-2 | 333 | 259 28 6 | 49 15 38 | 9.947 | -2 3 54 | 9.941 | -162014.352 | -45628.543 | 333 | 1.533 | 1.000 | 12.214 |
| T-2-2 | 334 | 287 11 47 | 76 59 19 | 10.407 | -2 43 54 | 10.395 | -162018.499 | -45625.948 | 334 | 1.533 | 1.000 | 12.076 |
| T-2-2 | 335 | 307 55 59 | 97 43 31 | 12.734 | -2 44 15 | 12.719 | -162022.549 | -45623.472 | 335 | 1.533 | 1.000 | 11.964 |
| T-2-2 | 336 | 325 46 45 | 115 34 17 | 18.059 | -2 31 3 | 18.042 | -162028.627 | -45619.801 | 336 | 1.533 | 1.000 | 11.779 |
| T-2-2 | 337 | 327 7 26 | 116 54 58 | 18.382 | -2 30 27 | 18.364 | -162029.153 | -45619.701 | 337 | 1.533 | 1.000 | 11.768 |
| T-2-2 | 338 | 198 36 20 | 348 23 52 | 24.167 | 0 51 25 | 24.164 | -161997.169 | -45640.935 | 338 | 1.533 | 1.000 | 12.934 |
| T-2-2 | 339 | 199 59 19 | 349 46 51 | 22.937 | 0 49 37 | 22.935 | -161998.268 | -45640.145 | 339 | 1.533 | 1.000 | 12.903 |
| T-2-2 | 340 | 201 29 6 | 351 16 38 | 23.219 | 0 52 43 | 23.216 | -161997.892 | -45639.596 | 340 | 1.533 | 1.000 | 12.928 |
| T-2-2 | 341 | 201 17 31 | 351 5 3 | 23.382 | 0 51 36 | 23.379 | -161997.743 | -45639.699 | 341 | 1.533 | 1.000 | 12.923 |
| T-2-2 | 342 | 201 28 9 | 351 15 41 | 23.414 | 0 20 16 | 23.414 | -161997.697 | -45639.633 | 342 | 1.533 | 1.000 | 12.710 |
| T-2-2 | 343 | 200 27 51 | 350 15 23 | 24.332 | 0 23 7 | 24.331 | -161996.859 | -45640.193 | 343 | 1.533 | 1.000 | 12.736 |

多角測量計算簿

路線名 L08040856

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|-----|-----------|-----------|--------|----------|--------|-------------|------------|-----|-------|-------|--------|
| T-2-2 | 344 | 200 14 37 | 350 2 9 | 24.268 | 0 52 35 | 24.265 | -161996.940 | -45640.274 | 344 | 1.533 | 1.000 | 12.943 |
| T-2-2 | 345 | 211 6 47 | 0 54 19 | 16.212 | 0 29 14 | 16.211 | -162004.630 | -45635.820 | 345 | 1.533 | 1.000 | 12.710 |
| T-2-2 | 346 | 214 3 5 | 3 50 37 | 15.164 | 0 25 23 | 15.164 | -162005.710 | -45635.059 | 346 | 1.533 | 1.000 | 12.684 |
| T-2-2 | 347 | 215 49 30 | 5 37 2 | 15.779 | -0 13 41 | 15.779 | -162005.136 | -45634.531 | 347 | 1.533 | 1.000 | 12.509 |
| T-2-2 | 348 | 213 41 16 | 3 28 48 | 16.525 | -0 9 25 | 16.525 | -162004.345 | -45635.073 | 348 | 1.533 | 1.000 | 12.527 |
| T-2-2 | 349 | 241 6 10 | 30 53 42 | 10.123 | -0 28 23 | 10.123 | -162012.153 | -45630.878 | 349 | 1.533 | 1.000 | 12.489 |
| T-2-2 | 350 | 248 27 39 | 38 15 11 | 9.596 | -0 40 45 | 9.595 | -162013.305 | -45630.135 | 350 | 1.533 | 1.000 | 12.458 |
| T-2-2 | 351 | 243 52 36 | 33 40 8 | 10.757 | -1 30 39 | 10.753 | -162011.890 | -45630.114 | 351 | 1.533 | 1.000 | 12.288 |
| T-2-2 | 352 | 248 53 5 | 38 40 37 | 10.422 | -1 40 45 | 10.418 | -162012.706 | -45629.565 | 352 | 1.533 | 1.000 | 12.267 |
| T-2-2 | 353 | 294 12 19 | 83 59 51 | 10.046 | -1 50 26 | 10.041 | -162019.789 | -45626.090 | 353 | 1.533 | 1.000 | 12.249 |
| T-2-2 | 354 | 300 56 23 | 90 43 55 | 10.714 | -1 54 18 | 10.708 | -162020.976 | -45625.369 | 354 | 1.533 | 1.000 | 12.216 |
| T-2-2 | 355 | 293 19 40 | 83 7 12 | 10.843 | -2 49 58 | 10.830 | -162019.542 | -45625.324 | 355 | 1.533 | 1.000 | 12.036 |
| T-2-2 | 356 | 298 2 50 | 87 50 22 | 11.306 | -2 45 41 | 11.293 | -162020.414 | -45624.791 | 356 | 1.533 | 1.000 | 12.027 |
| T-2-2 | 357 | 324 33 21 | 114 20 53 | 16.142 | -1 57 24 | 16.133 | -162027.491 | -45621.378 | 357 | 1.533 | 1.000 | 12.021 |
| T-2-2 | 358 | 327 8 44 | 116 56 16 | 17.217 | -1 57 45 | 17.207 | -162028.635 | -45620.736 | 358 | 1.533 | 1.000 | 11.983 |
| T-2-2 | 359 | 322 42 31 | 112 30 3 | 16.736 | -2 35 40 | 16.719 | -162027.238 | -45620.629 | 359 | 1.533 | 1.000 | 11.815 |
| T-2-2 | 360 | 324 39 37 | 114 27 9 | 17.562 | -2 34 40 | 17.544 | -162028.102 | -45620.105 | 360 | 1.533 | 1.000 | 11.782 |
| T-2-2 | 361 | 245 59 36 | 35 47 8 | 30.581 | 20 5 27 | 28.720 | -161997.542 | -45619.282 | 361 | 1.533 | 0.000 | 24.077 |
| T-2-2 | 362 | 246 38 15 | 36 25 47 | 38.744 | 18 59 2 | 36.637 | -161991.362 | -45614.319 | 362 | 1.533 | 0.000 | 26.176 |
| T-2-2 | 363 | 212 32 40 | 2 20 12 | 38.024 | 3 43 57 | 37.943 | -161982.928 | -45634.529 | 363 | 1.533 | 0.000 | 16.047 |
| T-2-2 | 364 | 211 34 35 | 1 22 7 | 30.174 | 2 22 32 | 30.148 | -161990.700 | -45635.356 | 364 | 1.533 | 0.000 | 14.823 |
| T-2-2 | 365 | 217 39 55 | 7 27 27 | 27.250 | 0 49 7 | 27.247 | -161993.823 | -45632.539 | 365 | 1.533 | 0.000 | 13.961 |
| T-2-2 | 366 | 278 43 14 | 68 30 46 | 18.130 | 0 19 30 | 18.130 | -162014.199 | -45619.206 | 366 | 1.533 | 0.000 | 13.675 |
| T-2-2 | 367 | 311 43 20 | 101 30 52 | 24.281 | -1 34 29 | 24.272 | -162025.685 | -45612.292 | 367 | 1.533 | 0.000 | 12.905 |
| T-2-2 | 368 | 138 56 33 | 288 44 5 | 7.353 | -7 14 31 | 7.294 | -162018.497 | -45642.983 | 368 | 1.533 | 0.000 | 12.645 |
| T-2-2 | 369 | 142 46 57 | 292 34 29 | 8.066 | -7 10 3 | 8.003 | -162017.767 | -45643.465 | 369 | 1.533 | 0.000 | 12.566 |
| T-2-2 | 370 | 158 14 14 | 308 1 46 | 16.258 | 5 0 54 | 16.196 | -162010.862 | -45648.833 | 370 | 1.533 | 0.000 | 14.993 |
| T-2-2 | 371 | 160 21 18 | 310 8 50 | 16.012 | 5 2 55 | 15.950 | -162010.556 | -45648.268 | 371 | 1.533 | 0.000 | 14.981 |
| T-2-2 | 372 | 165 3 4 | 314 50 36 | 25.138 | 5 3 1 | 25.040 | -162003.182 | -45653.830 | 372 | 1.533 | 0.000 | 15.785 |
| T-2-2 | 373 | 162 45 12 | 312 32 44 | 16.278 | 4 57 51 | 16.217 | -162009.874 | -45648.023 | 373 | 1.533 | 0.000 | 14.981 |
| T-2-2 | 374 | 164 39 56 | 314 27 28 | 16.118 | 4 57 52 | 16.058 | -162009.593 | -45647.537 | 374 | 1.533 | 0.000 | 14.967 |
| T-2-2 | 375 | 156 31 3 | 306 18 35 | 17.043 | 1 15 7 | 17.039 | -162010.750 | -45649.806 | 375 | 1.533 | 0.000 | 13.944 |
| T-2-2 | 376 | 161 43 26 | 311 30 58 | 16.493 | 1 15 7 | 16.489 | -162009.910 | -45648.422 | 376 | 1.533 | 0.000 | 13.932 |
| T-2-2 | 377 | 139 31 39 | 289 19 11 | 21.743 | 16 39 22 | 20.831 | -162013.948 | -45655.734 | 377 | 1.533 | 0.000 | 19.804 |

多 角 測 量 計 算 簿

路線名 L08040856

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|-----|-----------|-----------|--------|----------|--------|-------------|------------|-----|-------|-------|--------|
| T-2-2 | 378 | 158 17 50 | 308 5 22 | 18.121 | 20 5 59 | 17.017 | -162010.342 | -45649.469 | 378 | 1.533 | 0.000 | 19.799 |
| T-2-2 | 379 | 166 57 5 | 316 44 37 | 28.844 | 12 29 40 | 28.161 | -162000.330 | -45655.373 | 379 | 1.533 | 0.000 | 19.812 |
| T-2-2 | 380 | 213 0 42 | 2 48 14 | 49.738 | 11 49 9 | 48.684 | -161972.214 | -45633.694 | 380 | 1.533 | 0.000 | 23.760 |
| T-2-2 | 381 | 204 48 47 | 354 36 19 | 44.873 | 13 10 56 | 43.691 | -161977.342 | -45640.183 | 381 | 1.533 | 0.000 | 23.805 |
| T-2-2 | 382 | 198 10 12 | 347 57 44 | 54.699 | 10 29 16 | 53.785 | -161968.237 | -45647.293 | 382 | 1.533 | 0.000 | 23.529 |
| T-2-2 | 383 | 211 15 28 | 1 3 0 | 46.454 | 3 29 39 | 46.368 | -161974.479 | -45635.226 | 383 | 1.533 | 0.000 | 16.403 |
| T-2-2 | 384 | 207 15 45 | 357 3 17 | 44.085 | 3 44 22 | 43.991 | -161976.907 | -45638.336 | 384 | 1.533 | 0.000 | 16.447 |
| T-2-2 | 385 | 206 36 44 | 356 24 16 | 44.761 | 3 37 41 | 44.671 | -161976.256 | -45638.877 | 385 | 1.533 | 0.000 | 16.405 |
| T-2-2 | 386 | 204 55 8 | 354 42 40 | 43.902 | 3 41 23 | 43.811 | -161977.215 | -45640.114 | 386 | 1.533 | 0.000 | 16.397 |
| T-2-2 | 387 | 210 58 36 | 0 46 8 | 8.939 | -8 20 47 | 8.844 | -162011.996 | -45635.957 | 387 | 1.533 | 0.000 | 12.275 |
| T-2-2 | 388 | 198 59 36 | 348 47 8 | 13.374 | -5 4 18 | 13.322 | -162007.772 | -45638.667 | 388 | 1.533 | 0.000 | 12.390 |
| T-2-2 | 389 | 192 50 39 | 342 38 11 | 18.043 | -3 26 51 | 18.010 | -162003.650 | -45641.450 | 389 | 1.533 | 0.000 | 12.487 |
| T-2-2 | 390 | 189 2 33 | 338 50 5 | 22.930 | -2 29 37 | 22.908 | -161999.477 | -45644.347 | 390 | 1.533 | 0.000 | 12.574 |
| T-2-2 | 391 | 186 53 27 | 336 40 59 | 26.749 | -1 58 26 | 26.733 | -161996.290 | -45646.657 | 391 | 1.533 | 0.000 | 12.651 |
| T-2-2 | 392 | 185 3 39 | 334 51 11 | 30.932 | -1 30 53 | 30.921 | -161992.849 | -45649.215 | 392 | 1.533 | 0.000 | 12.754 |
| T-2-2 | 393 | 183 40 35 | 333 28 7 | 34.870 | -1 11 32 | 34.862 | -161989.649 | -45651.648 | 393 | 1.533 | 0.000 | 12.847 |
| T-2-2 | 394 | 182 16 25 | 332 3 57 | 39.077 | -0 53 13 | 39.072 | -161986.320 | -45654.379 | 394 | 1.533 | 0.000 | 12.967 |
| T-2-2 | 395 | 314 20 17 | 104 7 49 | 11.780 | -8 2 40 | 11.664 | -162023.687 | -45624.765 | 395 | 1.533 | 0.000 | 11.924 |
| T-2-2 | 396 | 295 48 51 | 85 36 23 | 9.333 | -9 29 1 | 9.205 | -162020.134 | -45626.898 | 396 | 1.533 | 0.000 | 12.034 |
| T-2-2 | 397 | 246 9 50 | 35 57 22 | 8.920 | -8 31 35 | 8.821 | -162013.699 | -45630.896 | 397 | 1.533 | 0.000 | 12.250 |
| T-2-2 | 398 | 223 32 17 | 13 19 49 | 11.463 | -5 59 54 | 11.400 | -162009.747 | -45633.447 | 398 | 1.533 | 0.000 | 12.374 |
| T-2-2 | 399 | 204 56 31 | 354 44 3 | 17.533 | -3 22 34 | 17.503 | -162003.410 | -45637.682 | 399 | 1.533 | 0.000 | 12.540 |
| T-2-2 | 400 | 199 9 50 | 348 57 22 | 21.488 | -2 27 45 | 21.468 | -161999.769 | -45640.188 | 400 | 1.533 | 0.000 | 12.649 |
| T-2-2 | 401 | 194 43 10 | 344 30 42 | 26.120 | -1 49 3 | 26.107 | -161995.681 | -45643.047 | 401 | 1.533 | 0.000 | 12.744 |
| T-2-2 | 402 | 43 26 41 | 193 14 13 | 6.845 | 2 3 13 | 6.841 | -162027.499 | -45637.642 | 402 | 1.533 | 0.000 | 13.817 |
| T-2-2 | 403 | 46 7 13 | 195 54 45 | 8.344 | 38 58 24 | 6.487 | -162027.078 | -45637.854 | 403 | 1.533 | 0.000 | 18.820 |
| T-2-2 | 404 | 79 17 29 | 229 5 1 | 25.769 | 11 46 26 | 25.227 | -162037.362 | -45655.139 | 404 | 1.533 | 0.000 | 18.830 |

多角測量計算簿

路線名 L08041437

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|-----|-----------|-----------|--------|-----------|--------|-------------|------------|-----|-------|-------|--------|
| T-3 | T-2 | | 147 41 16 | | | | -161997.171 | -45653.036 | T-3 | | | 12.440 |
| T-3 | 405 | 356 50 13 | 144 31 29 | 29.901 | -2 20 55 | 29.876 | -162021.501 | -45635.697 | 405 | 1.532 | 0.800 | 11.947 |
| T-3 | 406 | 102 53 11 | 250 34 27 | 10.783 | -4 38 11 | 10.748 | -162000.746 | -45663.172 | 406 | 1.532 | 0.800 | 12.300 |
| T-3 | 407 | 112 7 9 | 259 48 25 | 5.127 | -10 17 58 | 5.044 | -161998.064 | -45658.000 | 407 | 1.532 | 0.800 | 12.255 |
| T-3 | 408 | 119 27 14 | 267 8 30 | 3.223 | -24 44 20 | 2.927 | -161997.317 | -45655.959 | 408 | 1.532 | 0.800 | 11.823 |
| T-3 | t31 | 119 27 11 | 267 8 27 | 3.222 | -24 44 9 | 2.926 | -161997.317 | -45655.958 | t31 | 1.532 | 0.800 | 11.824 |
| T-3 | 409 | 123 9 15 | 270 50 31 | 4.559 | -10 56 43 | 4.476 | -161997.105 | -45657.512 | 409 | 1.532 | 0.800 | 12.306 |
| T-3 | 410 | 167 9 55 | 314 51 11 | 4.056 | -9 44 58 | 3.997 | -161994.352 | -45655.870 | 410 | 1.532 | 0.800 | 12.485 |
| T-3 | 411 | 167 37 23 | 315 18 39 | 9.015 | -3 44 34 | 8.996 | -161990.775 | -45659.363 | 411 | 1.532 | 0.800 | 12.584 |
| T-3 | 412 | 165 1 32 | 312 42 48 | 22.762 | -0 32 3 | 22.761 | -161981.731 | -45669.760 | 412 | 1.532 | 0.800 | 12.960 |
| T-3 | 413 | 165 5 32 | 312 46 48 | 23.096 | -0 31 12 | 23.095 | -161981.485 | -45669.987 | 413 | 1.532 | 0.800 | 12.962 |
| T-3 | 414 | 164 15 24 | 311 56 40 | 23.127 | -0 28 2 | 23.126 | -161981.713 | -45670.237 | 414 | 1.532 | 0.800 | 12.983 |
| T-3 | 415 | 163 18 41 | 310 59 57 | 23.385 | -0 27 1 | 23.384 | -161981.830 | -45670.684 | 415 | 1.532 | 0.800 | 12.988 |
| T-3 | 416 | 164 39 12 | 312 20 28 | 23.347 | -0 29 32 | 23.346 | -161981.446 | -45670.292 | 416 | 1.532 | 0.800 | 12.971 |
| T-3 | 417 | 164 45 38 | 312 26 54 | 24.173 | -0 19 57 | 24.173 | -161980.856 | -45670.873 | 417 | 1.532 | 0.800 | 13.032 |
| T-3 | 418 | 153 2 27 | 300 43 43 | 6.988 | -6 4 55 | 6.949 | -161993.620 | -45659.009 | 418 | 1.532 | 0.800 | 12.432 |
| T-3 | 419 | 158 21 39 | 306 2 55 | 6.782 | -6 12 30 | 6.742 | -161993.204 | -45658.487 | 419 | 1.532 | 0.800 | 12.439 |
| T-3 | 420 | 160 44 11 | 308 25 27 | 8.037 | -5 4 37 | 8.005 | -161992.196 | -45659.307 | 420 | 1.532 | 0.800 | 12.461 |
| T-3 | 421 | 155 58 17 | 303 39 33 | 7.151 | -11 31 4 | 7.007 | -161993.287 | -45658.868 | 421 | 1.532 | 0.800 | 11.744 |
| T-3 | t32 | 155 58 17 | 303 39 33 | 7.152 | -11 31 4 | 7.008 | -161993.287 | -45658.869 | t32 | 1.532 | 0.800 | 11.744 |
| T-3 | t33 | 131 10 21 | 278 51 37 | 3.339 | -28 3 19 | 2.947 | -161996.717 | -45655.948 | t33 | 1.532 | 0.800 | 11.602 |
| T-3 | 422 | 131 10 19 | 278 51 35 | 3.339 | -28 3 19 | 2.947 | -161996.717 | -45655.948 | 422 | 1.532 | 0.800 | 11.602 |
| T-3 | 423 | 131 22 6 | 279 3 22 | 2.967 | -31 49 30 | 2.521 | -161996.774 | -45655.526 | 423 | 1.532 | 0.800 | 11.607 |
| T-3 | t34 | 131 22 6 | 279 3 22 | 2.966 | -31 49 31 | 2.520 | -161996.774 | -45655.525 | t34 | 1.532 | 0.800 | 11.608 |
| T-3 | 424 | 160 45 11 | 308 26 27 | 7.954 | -5 15 17 | 7.921 | -161992.246 | -45659.240 | 424 | 1.532 | 0.800 | 12.444 |
| T-3 | 425 | 169 11 55 | 316 53 11 | 8.114 | -4 39 4 | 8.087 | -161991.267 | -45658.563 | 425 | 1.532 | 0.800 | 12.514 |
| T-3 | 426 | 176 31 10 | 324 12 26 | 8.800 | -3 49 33 | 8.780 | -161990.049 | -45658.171 | 426 | 1.532 | 0.800 | 12.585 |
| T-3 | 427 | 179 12 14 | 326 53 30 | 9.275 | -3 24 10 | 9.259 | -161989.415 | -45658.093 | 427 | 1.532 | 0.800 | 12.621 |
| T-3 | 428 | 181 6 33 | 328 47 49 | 9.826 | -3 0 30 | 9.812 | -161988.778 | -45658.119 | 428 | 1.532 | 0.800 | 12.656 |
| T-3 | 429 | 182 25 59 | 330 7 15 | 10.429 | -2 38 43 | 10.418 | -161988.138 | -45658.226 | 429 | 1.532 | 0.800 | 12.691 |
| T-3 | 430 | 182 57 34 | 330 38 50 | 11.694 | -2 2 30 | 11.687 | -161986.984 | -45658.765 | 430 | 1.532 | 0.800 | 12.755 |
| T-3 | 431 | 182 44 20 | 330 25 36 | 12.316 | -1 50 21 | 12.310 | -161986.465 | -45659.111 | 431 | 1.532 | 0.800 | 12.777 |
| T-3 | 432 | 182 11 33 | 329 52 49 | 12.984 | -1 37 58 | 12.979 | -161985.944 | -45659.549 | 432 | 1.532 | 0.800 | 12.802 |
| T-3 | 433 | 181 20 11 | 329 1 27 | 12.887 | -1 15 51 | 12.884 | -161986.124 | -45659.667 | 433 | 1.532 | 0.800 | 12.888 |

多角測量計算簿

路線名 L08041437

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|-------|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-3 | 434 | 176 47 14 | 324 28 30 | 12.727 | -1 31 14 | 12.723 | -161986.816 | -45660.429 | 434 | 1.532 | 0.800 | 12.834 |
| T-3 | 435 | 176 0 20 | 323 41 36 | 12.851 | -1 33 54 | 12.846 | -161986.819 | -45660.642 | 435 | 1.532 | 0.800 | 12.821 |
| T-3 | 436 | 175 26 12 | 323 7 28 | 14.887 | -1 9 50 | 14.884 | -161985.265 | -45661.968 | 436 | 1.532 | 0.800 | 12.870 |
| T-3 | 437 | 174 58 9 | 322 39 25 | 17.112 | -0 49 28 | 17.110 | -161983.568 | -45663.415 | 437 | 1.532 | 0.800 | 12.926 |
| T-3 | 438 | 178 55 53 | 326 37 9 | 17.309 | -0 33 34 | 17.308 | -161982.718 | -45662.559 | 438 | 1.532 | 0.800 | 13.003 |
| T-3 | 439 | 179 35 2 | 327 16 18 | 17.339 | -0 51 24 | 17.337 | -161982.586 | -45662.409 | 439 | 1.532 | 0.800 | 12.913 |
| T-3 | 440 | 177 7 30 | 324 48 46 | 23.941 | -0 14 33 | 23.941 | -161977.605 | -45666.832 | 440 | 1.532 | 0.800 | 13.071 |
| T-3 | 441 | 184 58 8 | 332 39 24 | 12.611 | -1 38 21 | 12.606 | -161985.973 | -45658.826 | 441 | 1.532 | 0.800 | 12.811 |
| T-3 | 442 | 181 19 1 | 329 0 17 | 17.505 | -0 46 50 | 17.503 | -161982.167 | -45662.049 | 442 | 1.532 | 0.800 | 12.934 |
| T-3 | 443 | 177 47 51 | 325 29 7 | 25.956 | -0 2 8 | 25.956 | -161975.784 | -45667.743 | 443 | 1.532 | 0.800 | 13.156 |
| T-3 | 444 | 176 37 22 | 324 18 38 | 25.829 | -0 6 10 | 25.829 | -161976.193 | -45668.104 | 444 | 1.532 | 0.800 | 13.126 |
| T-3 | 445 | 176 11 3 | 323 52 19 | 25.780 | 0 2 45 | 25.780 | -161976.348 | -45668.236 | 445 | 1.532 | 0.800 | 13.193 |
| T-3 | T-3-1 | 167 30 58 | 315 12 14 | 48.266 | 0 35 2 | 48.263 | -161962.923 | -45687.041 | T-3-1 | 1.532 | 0.800 | 13.664 |
| T-3 | 446 | 159 34 31 | 307 15 47 | 8.141 | -5 4 2 | 8.109 | -161992.261 | -45659.490 | 446 | 1.532 | 0.800 | 12.453 |
| T-3 | 447 | 163 46 43 | 311 27 59 | 11.808 | -2 9 30 | 11.800 | -161989.357 | -45661.878 | 447 | 1.532 | 0.800 | 12.727 |
| T-3 | 448 | 166 6 28 | 313 47 44 | 16.285 | -1 10 23 | 16.282 | -161985.902 | -45664.789 | 448 | 1.532 | 0.800 | 12.839 |
| T-3 | 449 | 167 2 13 | 314 43 29 | 19.812 | -0 45 3 | 19.810 | -161983.231 | -45667.111 | 449 | 1.532 | 0.800 | 12.912 |
| T-3 | 450 | 167 39 6 | 315 20 22 | 24.804 | -0 13 59 | 24.804 | -161979.528 | -45670.471 | 450 | 1.532 | 0.800 | 13.071 |
| T-3 | 451 | 167 51 59 | 315 33 15 | 28.730 | 0 4 34 | 28.730 | -161976.660 | -45673.154 | 451 | 1.532 | 0.800 | 13.210 |
| T-3 | 452 | 121 32 44 | 269 14 0 | 13.773 | -3 31 34 | 13.747 | -161997.355 | -45666.782 | 452 | 1.532 | 0.800 | 12.325 |
| T-3 | 453 | 127 4 39 | 274 45 55 | 11.606 | -4 11 11 | 11.575 | -161996.209 | -45664.571 | 453 | 1.532 | 0.800 | 12.325 |
| T-3 | t35 | 155 33 54 | 303 15 10 | 7.565 | -10 37 57 | 7.435 | -161993.094 | -45659.254 | t35 | 1.532 | 1.000 | 11.576 |
| T-3 | 454 | 125 18 29 | 272 59 45 | 13.774 | -2 42 43 | 13.759 | -161996.452 | -45666.776 | 454 | 1.532 | 1.000 | 12.320 |
| T-3 | 455 | 129 30 15 | 277 11 31 | 12.277 | -3 0 24 | 12.260 | -161995.636 | -45665.200 | 455 | 1.532 | 1.000 | 12.328 |
| T-3 | t36 | 126 10 0 | 273 51 16 | 12.670 | -5 42 7 | 12.607 | -161996.324 | -45665.614 | t36 | 1.532 | 1.000 | 11.713 |
| T-3 | t37 | 109 4 3 | 256 45 19 | 5.175 | -11 57 6 | 5.063 | -161998.331 | -45657.964 | t37 | 1.532 | 1.000 | 11.900 |
| T-3 | t38 | 127 3 17 | 274 44 33 | 3.021 | -24 6 12 | 2.758 | -161996.943 | -45655.785 | t38 | 1.532 | 1.400 | 11.338 |
| T-3 | t39 | 156 56 13 | 304 37 29 | 7.533 | -7 34 51 | 7.467 | -161992.928 | -45659.181 | t39 | 1.532 | 1.400 | 11.578 |
| T-3 | t40 | 122 5 36 | 269 46 52 | 14.445 | -6 13 22 | 14.360 | -161997.226 | -45667.396 | t40 | 1.532 | 0.800 | 11.606 |
| T-3 | t41 | 111 34 16 | 259 15 32 | 13.527 | -3 22 9 | 13.504 | -161999.688 | -45666.303 | t41 | 1.532 | 0.800 | 12.377 |
| T-3 | t42 | 148 41 18 | 296 22 34 | 5.122 | -8 36 27 | 5.064 | -161994.921 | -45657.573 | t42 | 1.532 | 0.800 | 12.405 |
| T-3 | t43 | 158 31 43 | 306 12 59 | 8.506 | -8 5 13 | 8.421 | -161992.196 | -45659.830 | t43 | 1.532 | 0.800 | 11.975 |
| T-3 | t44 | 162 57 13 | 310 38 29 | 12.360 | -4 15 42 | 12.326 | -161989.143 | -45662.389 | t44 | 1.532 | 0.800 | 12.254 |
| T-3 | t45 | 149 20 31 | 297 1 47 | 15.066 | -1 15 48 | 15.062 | -161990.326 | -45666.453 | t45 | 1.532 | 0.800 | 12.840 |

多角測量計算簿

路線名 L08041437

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|-----|-----------|-----------|--------|----------|--------|-------------|------------|-----|-------|-------|--------|
| T-3 | 456 | 0 0 0 | 147 41 16 | 0.000 | 90 0 0 | 0.000 | -161997.171 | -45653.036 | 456 | 1.532 | 0.800 | 13.172 |
| T-3 | t46 | 170 15 24 | 317 56 40 | 12.112 | -1 55 13 | 12.105 | -161988.183 | -45661.145 | t46 | 1.532 | 0.800 | 12.766 |
| T-3 | t47 | 183 9 41 | 330 50 57 | 12.725 | -3 30 7 | 12.701 | -161986.079 | -45659.223 | t47 | 1.532 | 0.800 | 12.395 |
| T-3 | t48 | 167 14 17 | 314 55 33 | 25.878 | -1 13 52 | 25.872 | -161978.900 | -45671.354 | t48 | 1.532 | 0.800 | 12.616 |
| T-3 | 457 | 221 18 9 | 8 59 25 | 13.514 | 1 26 26 | 13.510 | -161983.827 | -45650.925 | 457 | 1.532 | 1.200 | 13.112 |
| T-3 | 458 | 221 47 30 | 9 28 46 | 13.418 | 1 25 12 | 13.414 | -161983.940 | -45650.827 | 458 | 1.532 | 1.200 | 13.105 |
| T-3 | 459 | 219 1 12 | 6 42 28 | 13.267 | 1 19 34 | 13.263 | -161983.999 | -45651.487 | 459 | 1.532 | 1.200 | 13.079 |
| T-3 | 460 | 219 10 45 | 6 52 1 | 13.072 | 1 19 21 | 13.069 | -161984.196 | -45651.473 | 460 | 1.532 | 1.200 | 13.074 |
| T-3 | 461 | 216 46 55 | 4 28 11 | 13.485 | 1 19 44 | 13.481 | -161983.731 | -45651.985 | 461 | 1.532 | 1.200 | 13.085 |
| T-3 | 462 | 216 26 6 | 4 7 22 | 13.388 | 1 17 51 | 13.385 | -161983.821 | -45652.074 | 462 | 1.532 | 1.200 | 13.075 |
| T-3 | 463 | 209 49 43 | 357 30 59 | 15.591 | 1 22 29 | 15.587 | -161981.599 | -45653.711 | 463 | 1.532 | 1.200 | 13.146 |
| T-3 | 464 | 209 22 32 | 357 3 48 | 15.502 | 1 21 58 | 15.498 | -161981.693 | -45653.830 | 464 | 1.532 | 1.200 | 13.142 |
| T-3 | 465 | 202 53 59 | 350 35 15 | 18.651 | 1 27 45 | 18.645 | -161978.777 | -45656.085 | 465 | 1.532 | 1.200 | 13.248 |
| T-3 | 466 | 202 31 59 | 350 13 15 | 18.549 | 1 26 5 | 18.543 | -161978.897 | -45656.186 | 466 | 1.532 | 1.200 | 13.236 |
| T-3 | 467 | 197 9 18 | 344 50 34 | 22.411 | 1 26 53 | 22.404 | -161975.546 | -45658.894 | 467 | 1.532 | 1.200 | 13.338 |
| T-3 | 468 | 196 45 39 | 344 26 55 | 22.329 | 1 26 47 | 22.322 | -161975.666 | -45659.021 | 468 | 1.532 | 1.200 | 13.336 |
| T-3 | 469 | 192 22 6 | 340 3 22 | 26.869 | 1 30 24 | 26.860 | -161971.922 | -45662.198 | 469 | 1.532 | 1.200 | 13.478 |
| T-3 | 470 | 192 1 53 | 339 43 9 | 26.787 | 1 29 24 | 26.778 | -161972.053 | -45662.318 | 470 | 1.532 | 1.200 | 13.469 |
| T-3 | 471 | 188 48 47 | 336 30 3 | 31.444 | 1 31 41 | 31.433 | -161968.345 | -45665.569 | 471 | 1.532 | 1.200 | 13.610 |
| T-3 | 472 | 188 31 29 | 336 12 45 | 31.375 | 1 30 49 | 31.364 | -161968.471 | -45665.687 | 472 | 1.532 | 1.200 | 13.601 |
| T-3 | 473 | 186 0 45 | 333 42 1 | 36.024 | 1 30 52 | 36.011 | -161964.888 | -45668.991 | 473 | 1.532 | 1.200 | 13.724 |
| T-3 | 474 | 185 51 14 | 333 32 30 | 35.982 | 1 29 46 | 35.970 | -161964.969 | -45669.062 | 474 | 1.532 | 1.200 | 13.711 |
| T-3 | 475 | 183 13 54 | 330 55 10 | 41.874 | 1 29 43 | 41.860 | -161960.588 | -45673.382 | 475 | 1.532 | 1.200 | 13.865 |
| T-3 | 476 | 183 0 50 | 330 42 6 | 41.833 | 1 28 42 | 41.819 | -161960.701 | -45673.500 | 476 | 1.532 | 1.200 | 13.851 |
| T-3 | 477 | 185 28 32 | 333 9 48 | 41.705 | 1 35 53 | 41.689 | -161959.972 | -45671.856 | 477 | 1.532 | 1.200 | 13.935 |
| T-3 | 478 | 188 15 41 | 335 56 57 | 36.548 | 1 36 59 | 36.533 | -161963.810 | -45667.925 | 478 | 1.532 | 1.200 | 13.803 |
| T-3 | 479 | 191 47 46 | 339 29 2 | 31.410 | 1 36 53 | 31.398 | -161967.764 | -45664.040 | 479 | 1.532 | 1.200 | 13.657 |
| T-3 | 480 | 189 44 11 | 337 25 27 | 32.078 | 1 55 23 | 32.060 | -161967.568 | -45665.344 | 480 | 1.532 | 1.200 | 13.848 |
| T-3 | 481 | 190 31 45 | 338 13 1 | 30.970 | 1 56 7 | 30.952 | -161968.429 | -45664.522 | 481 | 1.532 | 1.200 | 13.818 |
| T-3 | 482 | 191 2 10 | 338 43 26 | 32.290 | 1 36 44 | 32.277 | -161967.094 | -45664.748 | 482 | 1.532 | 1.200 | 13.680 |
| T-3 | 483 | 191 43 19 | 339 24 35 | 31.407 | 1 36 50 | 31.395 | -161967.782 | -45664.077 | 483 | 1.532 | 1.200 | 13.657 |
| T-3 | 484 | 195 16 59 | 342 58 15 | 27.467 | 1 35 5 | 27.456 | -161970.919 | -45661.077 | 484 | 1.532 | 1.200 | 13.532 |
| T-3 | 485 | 200 26 58 | 348 8 14 | 23.113 | 1 35 17 | 23.104 | -161974.560 | -45657.785 | 485 | 1.532 | 1.200 | 13.413 |
| T-3 | 486 | 208 34 38 | 356 15 54 | 18.521 | 1 30 29 | 18.515 | -161978.695 | -45654.242 | 486 | 1.532 | 1.200 | 13.259 |

多角測量計算簿

路線名 L08041437

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|-----|-----------|-----------|--------|-----------|--------|-------------|------------|-----|-------|-------|--------|
| T-3 | 487 | 207 22 51 | 355 4 7 | 17.734 | 2 12 8 | 17.721 | -161979.516 | -45654.559 | 487 | 1.532 | 1.200 | 13.453 |
| T-3 | 488 | 209 58 42 | 357 39 58 | 16.679 | 2 13 57 | 16.666 | -161980.519 | -45653.715 | 488 | 1.532 | 1.200 | 13.422 |
| T-3 | 489 | 209 53 7 | 357 34 23 | 18.004 | 1 33 21 | 17.997 | -161979.190 | -45653.798 | 489 | 1.532 | 1.200 | 13.261 |
| T-3 | 490 | 211 50 6 | 359 31 22 | 17.249 | 1 30 16 | 17.243 | -161979.929 | -45653.180 | 490 | 1.532 | 1.200 | 13.225 |
| T-3 | 491 | 221 1 42 | 8 42 58 | 14.574 | 1 29 14 | 14.569 | -161982.770 | -45650.828 | 491 | 1.532 | 1.200 | 13.150 |
| T-3 | 492 | 222 1 1 | 9 42 17 | 14.061 | 1 27 2 | 14.056 | -161983.316 | -45650.667 | 492 | 1.532 | 1.200 | 13.128 |
| T-3 | 493 | 112 17 31 | 259 58 47 | 26.707 | 15 33 34 | 25.728 | -162001.648 | -45678.372 | 493 | 1.532 | 1.200 | 19.936 |
| T-3 | 494 | 124 0 2 | 271 41 18 | 18.467 | 22 49 58 | 17.020 | -161996.670 | -45670.049 | 494 | 1.532 | 1.200 | 19.938 |
| T-3 | 495 | 151 2 19 | 298 43 35 | 29.216 | 14 10 5 | 28.327 | -161983.556 | -45677.877 | 495 | 1.532 | 1.200 | 19.923 |
| T-3 | 496 | 157 30 34 | 305 11 50 | 26.510 | 1 39 6 | 26.499 | -161981.897 | -45674.690 | 496 | 1.532 | 1.200 | 13.536 |
| T-3 | 497 | 163 42 6 | 311 23 22 | 25.640 | 1 45 26 | 25.628 | -161980.226 | -45672.263 | 497 | 1.532 | 1.200 | 13.558 |
| T-3 | 498 | 164 11 6 | 311 52 22 | 25.650 | 5 28 14 | 25.533 | -161980.128 | -45672.049 | 498 | 1.532 | 1.200 | 15.217 |
| T-3 | 499 | 166 27 9 | 314 8 25 | 25.361 | 5 35 4 | 25.241 | -161979.593 | -45671.150 | 499 | 1.532 | 1.200 | 15.240 |
| T-3 | 500 | 174 55 6 | 322 36 22 | 26.024 | 5 39 6 | 25.897 | -161976.596 | -45668.763 | 500 | 1.532 | 1.200 | 15.335 |
| T-3 | 501 | 172 10 41 | 319 51 57 | 43.331 | 4 52 8 | 43.175 | -161964.162 | -45680.866 | 501 | 1.532 | 1.200 | 16.450 |
| T-3 | 502 | 218 23 30 | 6 4 46 | 14.140 | 4 44 53 | 14.091 | -161983.159 | -45651.544 | 502 | 1.532 | 1.200 | 13.942 |
| T-3 | 503 | 235 2 51 | 22 44 7 | 21.175 | 4 41 49 | 21.104 | -161977.707 | -45644.880 | 503 | 1.532 | 1.200 | 14.506 |
| T-3 | 504 | 208 19 29 | 356 0 45 | 31.149 | 3 7 17 | 31.103 | -161966.143 | -45655.199 | 504 | 1.532 | 1.200 | 14.468 |
| T-3 | 505 | 193 26 56 | 341 8 12 | 46.991 | 2 48 38 | 46.934 | -161952.758 | -45668.210 | 505 | 1.532 | 1.200 | 15.076 |
| T-3 | 506 | 191 2 11 | 338 43 27 | 51.637 | 1 33 15 | 51.618 | -161949.071 | -45671.766 | 506 | 1.532 | 1.200 | 14.172 |
| T-3 | 507 | 194 8 54 | 341 50 10 | 46.262 | 2 47 33 | 46.207 | -161953.267 | -45667.440 | 507 | 1.532 | 1.200 | 15.026 |
| T-3 | 508 | 201 23 15 | 349 4 31 | 37.821 | 3 38 55 | 37.744 | -161960.111 | -45660.189 | 508 | 1.532 | 1.200 | 15.179 |
| T-3 | 509 | 230 11 14 | 17 52 30 | 22.321 | 6 11 55 | 22.191 | -161976.051 | -45646.225 | 509 | 1.532 | 1.200 | 15.182 |
| T-3 | 510 | 223 7 44 | 10 49 0 | 33.738 | 12 38 22 | 32.920 | -161964.836 | -45646.858 | 510 | 1.532 | 1.200 | 20.154 |
| T-3 | 511 | 221 40 46 | 9 22 2 | 32.785 | 13 5 15 | 31.933 | -161965.664 | -45647.839 | 511 | 1.532 | 1.200 | 20.196 |
| T-3 | 512 | 209 53 2 | 357 34 18 | 40.938 | 10 29 55 | 40.253 | -161956.954 | -45654.741 | 512 | 1.532 | 1.200 | 20.231 |
| T-3 | 513 | 210 26 47 | 358 8 3 | 45.426 | 9 24 13 | 44.816 | -161952.379 | -45654.495 | 513 | 1.532 | 1.200 | 20.194 |
| T-3 | 514 | 206 1 33 | 353 42 49 | 42.247 | 10 2 22 | 41.600 | -161955.821 | -45657.591 | 514 | 1.532 | 1.200 | 20.137 |
| T-3 | 515 | 198 55 10 | 346 36 26 | 49.339 | 8 38 57 | 48.778 | -161949.720 | -45664.334 | 515 | 1.532 | 1.200 | 20.192 |
| T-3 | 516 | 84 32 36 | 232 13 52 | 12.475 | 27 32 0 | 11.062 | -162003.946 | -45661.780 | 516 | 1.532 | 1.200 | 18.539 |
| T-3 | 517 | 75 32 21 | 223 13 37 | 11.435 | -7 37 18 | 11.334 | -162005.429 | -45660.799 | 517 | 1.532 | 1.200 | 11.255 |
| T-3 | 518 | 60 50 26 | 208 31 42 | 6.669 | -12 54 55 | 6.500 | -162002.882 | -45656.140 | 518 | 1.532 | 1.200 | 11.281 |
| T-3 | 519 | 27 41 25 | 175 22 41 | 12.844 | 6 31 56 | 12.761 | -162009.891 | -45652.008 | 519 | 1.532 | 1.200 | 14.233 |
| T-3 | 520 | 21 54 38 | 169 35 54 | 12.309 | 6 49 8 | 12.222 | -162009.192 | -45650.829 | 520 | 1.532 | 1.200 | 14.233 |

多角測量計算簿

路線名 L08041437

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|-----|-----------|-----------|--------|----------|--------|-------------|------------|-----|-------|-------|--------|
| T-3 | 521 | 19 38 3 | 167 19 19 | 13.772 | 6 1 31 | 13.696 | -162010.533 | -45650.030 | 521 | 1.532 | 1.200 | 14.218 |
| T-3 | 522 | 343 5 0 | 130 46 16 | 4.446 | -2 20 46 | 4.442 | -162000.072 | -45649.672 | 522 | 1.532 | 1.200 | 12.590 |
| T-3 | 523 | 346 48 28 | 134 29 44 | 6.590 | -2 6 58 | 6.586 | -162001.787 | -45648.338 | 523 | 1.532 | 1.200 | 12.529 |
| T-3 | 524 | 353 26 36 | 141 7 52 | 16.148 | -2 0 49 | 16.138 | -162009.736 | -45642.909 | 524 | 1.532 | 1.200 | 12.205 |
| T-3 | 525 | 100 45 2 | 248 26 18 | 5.824 | 2 19 21 | 5.819 | -161999.309 | -45658.448 | 525 | 1.532 | 1.200 | 13.008 |
| T-3 | 526 | 66 44 11 | 214 25 27 | 6.326 | 2 30 55 | 6.320 | -162002.384 | -45656.609 | 526 | 1.532 | 1.200 | 13.050 |
| T-3 | 527 | 196 46 49 | 344 28 5 | 14.590 | -3 50 44 | 14.557 | -161983.146 | -45656.934 | 527 | 1.532 | 1.200 | 11.793 |
| T-3 | 528 | 190 18 45 | 338 0 1 | 19.133 | -2 35 19 | 19.113 | -161979.450 | -45660.196 | 528 | 1.532 | 1.200 | 11.908 |
| T-3 | 529 | 186 17 16 | 333 58 32 | 23.986 | -1 42 24 | 23.975 | -161975.627 | -45663.555 | 529 | 1.532 | 1.200 | 12.058 |
| T-3 | 530 | 183 27 25 | 331 8 41 | 28.760 | -1 8 35 | 28.754 | -161971.987 | -45666.913 | 530 | 1.532 | 1.200 | 12.198 |
| T-3 | 531 | 181 6 37 | 328 47 53 | 33.799 | -0 46 24 | 33.796 | -161968.264 | -45670.544 | 531 | 1.532 | 1.200 | 12.316 |
| T-3 | 532 | 179 19 9 | 327 0 25 | 38.623 | -0 31 22 | 38.621 | -161964.778 | -45674.067 | 532 | 1.532 | 1.200 | 12.420 |
| T-3 | 533 | 98 24 48 | 246 6 4 | 5.501 | -5 17 50 | 5.478 | -161999.390 | -45658.044 | 533 | 1.532 | 1.200 | 12.264 |
| T-3 | 534 | 98 24 48 | 246 6 4 | 5.345 | -5 17 49 | 5.322 | -161999.327 | -45657.902 | 534 | 1.532 | 1.200 | 12.279 |
| T-3 | 535 | 98 34 40 | 246 15 56 | 5.341 | -5 14 36 | 5.319 | -161999.312 | -45657.905 | 535 | 1.532 | 1.200 | 12.284 |
| T-3 | 536 | 59 25 5 | 207 6 21 | 6.287 | -3 32 53 | 6.275 | -162002.757 | -45655.895 | 536 | 1.532 | 1.200 | 12.383 |
| T-3 | 537 | 30 47 2 | 178 28 18 | 10.900 | -2 5 57 | 10.893 | -162008.060 | -45652.745 | 537 | 1.532 | 1.200 | 12.373 |
| T-3 | 538 | 29 35 43 | 177 16 59 | 11.173 | -2 2 10 | 11.166 | -162008.324 | -45652.507 | 538 | 1.532 | 1.200 | 12.375 |
| T-3 | 539 | 25 47 27 | 173 28 43 | 11.647 | -1 55 29 | 11.640 | -162008.736 | -45651.714 | 539 | 1.532 | 1.200 | 12.381 |
| T-3 | 540 | 22 16 9 | 169 57 25 | 11.979 | -1 56 5 | 11.972 | -162008.960 | -45650.948 | 540 | 1.532 | 1.200 | 12.368 |
| T-3 | 541 | 21 13 15 | 168 54 31 | 12.078 | -1 56 5 | 12.071 | -162009.017 | -45650.714 | 541 | 1.532 | 1.200 | 12.364 |
| T-3 | 542 | 18 20 16 | 166 1 32 | 12.292 | -1 59 44 | 12.285 | -162009.092 | -45650.069 | 542 | 1.532 | 1.200 | 12.344 |
| T-3 | 543 | 15 15 41 | 162 56 57 | 12.514 | -2 4 8 | 12.506 | -162009.127 | -45649.369 | 543 | 1.532 | 1.200 | 12.320 |
| T-3 | 544 | 14 23 29 | 162 4 45 | 13.337 | -1 59 7 | 13.329 | -162009.853 | -45648.935 | 544 | 1.532 | 1.200 | 12.310 |
| T-3 | 545 | 14 0 50 | 161 42 6 | 13.590 | -1 56 45 | 13.582 | -162010.066 | -45648.772 | 545 | 1.532 | 1.200 | 12.311 |
| T-3 | 546 | 11 26 49 | 159 8 5 | 13.477 | -2 0 37 | 13.469 | -162009.757 | -45648.239 | 546 | 1.532 | 1.200 | 12.299 |
| T-3 | 547 | 11 7 30 | 158 48 46 | 13.825 | -1 58 51 | 13.817 | -162010.054 | -45648.042 | 547 | 1.532 | 1.200 | 12.294 |
| T-3 | t49 | 19 0 31 | 166 41 47 | 11.076 | -2 13 32 | 11.068 | -162007.942 | -45650.489 | t49 | 1.532 | 1.200 | 12.342 |
| T-3 | t50 | 75 57 1 | 223 38 17 | 4.151 | -5 19 34 | 4.133 | -162000.162 | -45655.888 | t50 | 1.532 | 1.200 | 12.387 |
| T-3 | 548 | 74 50 24 | 222 31 40 | 6.877 | -10 25 2 | 6.764 | -162002.156 | -45657.608 | 548 | 1.532 | 1.200 | 11.529 |
| T-3 | 549 | 76 7 39 | 223 48 55 | 7.398 | -9 36 24 | 7.294 | -162002.434 | -45658.086 | 549 | 1.532 | 1.200 | 11.537 |
| T-3 | 550 | 100 24 5 | 248 5 21 | 8.882 | -8 45 9 | 8.779 | -162000.447 | -45661.181 | 550 | 1.532 | 1.200 | 11.420 |
| T-3 | 551 | 74 15 28 | 221 56 44 | 9.171 | -7 34 36 | 9.091 | -162003.933 | -45659.113 | 551 | 1.532 | 1.200 | 11.563 |
| T-3 | 552 | 157 53 39 | 305 34 55 | 27.594 | -0 34 41 | 27.593 | -161981.116 | -45675.477 | 552 | 1.532 | 0.500 | 13.194 |

多 角 測 量 計 算 簿

路線名 L08041437

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|-----|-----------|-----------|--------|----------|--------|-------------|------------|-----|-------|-------|--------|
| T-3 | 553 | 157 41 25 | 305 22 41 | 27.160 | -0 41 49 | 27.158 | -161981.447 | -45675.179 | 553 | 1.532 | 0.500 | 13.142 |
| T-3 | 554 | 166 37 40 | 314 18 56 | 26.139 | -0 45 0 | 26.137 | -161978.911 | -45671.737 | 554 | 1.532 | 0.500 | 13.130 |
| T-3 | 555 | 166 30 7 | 314 11 23 | 25.665 | -0 52 13 | 25.662 | -161979.284 | -45671.437 | 555 | 1.532 | 0.500 | 13.082 |

多角測量計算簿

路線名 L08080958

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|-----|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-3-1 | T-3 | | 135 12 14 | | | | -161962.923 | -45687.041 | T-3-1 | | | 13.664 |
| T-3-1 | 556 | 359 15 11 | 134 27 25 | 16.085 | -3 8 25 | 16.061 | -161974.171 | -45675.577 | 556 | 1.503 | 0.500 | 13.786 |
| T-3-1 | 557 | 359 1 35 | 134 13 49 | 12.085 | -3 47 0 | 12.059 | -161971.334 | -45678.401 | 557 | 1.503 | 1.000 | 13.369 |
| T-3-1 | 558 | 359 1 30 | 134 13 44 | 10.106 | -4 18 31 | 10.077 | -161969.952 | -45679.821 | 558 | 1.503 | 1.000 | 13.408 |
| T-3-1 | 559 | 359 6 42 | 134 18 56 | 7.621 | -5 20 38 | 7.588 | -161968.224 | -45681.612 | 559 | 1.503 | 1.000 | 13.457 |
| T-3-1 | 560 | 359 41 39 | 134 53 53 | 5.143 | -7 16 52 | 5.102 | -161966.524 | -45683.427 | 560 | 1.503 | 1.000 | 13.515 |
| T-3-1 | 561 | 3 3 32 | 138 15 46 | 2.180 | -15 21 25 | 2.102 | -161964.491 | -45685.642 | 561 | 1.503 | 1.000 | 13.590 |
| T-3-1 | 562 | 89 35 57 | 224 48 11 | 1.563 | -17 44 14 | 1.489 | -161963.979 | -45688.091 | 562 | 1.503 | 1.000 | 13.691 |
| T-3-1 | 563 | 166 46 46 | 301 59 0 | 1.560 | -17 44 23 | 1.486 | -161962.136 | -45688.302 | 563 | 1.503 | 1.000 | 13.692 |
| T-3-1 | 564 | 172 47 34 | 307 59 48 | 4.500 | -5 2 27 | 4.483 | -161960.163 | -45690.574 | 564 | 1.503 | 1.000 | 13.771 |
| T-3-1 | 565 | 173 45 25 | 308 57 39 | 7.960 | -2 11 16 | 7.954 | -161957.921 | -45693.226 | 565 | 1.503 | 1.000 | 13.863 |
| T-3-1 | 566 | 173 52 35 | 309 4 49 | 10.932 | -1 10 20 | 10.930 | -161956.032 | -45695.526 | 566 | 1.503 | 1.000 | 13.943 |
| T-3-1 | 567 | 173 45 20 | 308 57 34 | 14.940 | -0 25 47 | 14.940 | -161953.529 | -45698.659 | 567 | 1.503 | 1.000 | 14.055 |
| T-3-1 | 568 | 173 29 56 | 308 42 10 | 17.933 | -0 5 33 | 17.933 | -161951.709 | -45701.036 | 568 | 1.503 | 1.000 | 14.138 |
| T-3-1 | 569 | 171 54 38 | 307 6 52 | 17.664 | -0 7 43 | 17.664 | -161952.264 | -45701.127 | 569 | 1.503 | 1.000 | 14.127 |
| T-3-1 | 570 | 138 33 1 | 273 45 15 | 19.317 | -0 44 27 | 19.315 | -161961.658 | -45706.315 | 570 | 1.503 | 1.000 | 13.917 |
| T-3-1 | 571 | 138 33 1 | 273 45 15 | 19.317 | -0 44 28 | 19.315 | -161961.658 | -45706.315 | 571 | 1.503 | 1.000 | 13.917 |
| T-3-1 | 572 | 140 1 8 | 275 13 22 | 19.533 | 1 5 55 | 19.529 | -161961.145 | -45706.489 | 572 | 1.503 | 1.000 | 14.541 |
| T-3-1 | 573 | 171 12 24 | 306 24 38 | 18.024 | 1 3 56 | 18.021 | -161952.226 | -45701.544 | 573 | 1.503 | 1.000 | 14.502 |
| T-3-1 | 574 | 171 52 0 | 307 4 14 | 17.918 | 0 46 7 | 17.916 | -161952.123 | -45701.336 | 574 | 1.503 | 1.000 | 14.407 |
| T-3-1 | 575 | 350 19 29 | 125 31 43 | 23.140 | -2 23 28 | 23.120 | -161976.358 | -45668.226 | 575 | 1.503 | 1.000 | 13.201 |
| T-3-1 | 576 | 353 11 33 | 128 23 47 | 22.949 | -2 29 51 | 22.927 | -161977.163 | -45669.073 | 576 | 1.503 | 1.000 | 13.167 |
| T-3-1 | 577 | 353 28 55 | 128 41 9 | 22.802 | -2 29 50 | 22.780 | -161977.161 | -45669.260 | 577 | 1.503 | 1.000 | 13.173 |
| T-3-1 | 578 | 352 27 31 | 127 39 45 | 20.193 | -2 38 47 | 20.171 | -161975.247 | -45671.074 | 578 | 1.503 | 1.000 | 13.235 |
| T-3-1 | 579 | 351 54 15 | 127 6 29 | 20.056 | -2 38 50 | 20.035 | -161975.010 | -45671.064 | 579 | 1.503 | 1.000 | 13.241 |
| T-3-1 | 580 | 348 47 44 | 123 59 58 | 20.296 | -2 31 58 | 20.276 | -161974.261 | -45670.232 | 580 | 1.503 | 1.000 | 13.270 |
| T-3-1 | 581 | 328 47 52 | 104 0 6 | 7.465 | -4 26 25 | 7.443 | -161964.723 | -45679.820 | 581 | 1.503 | 1.000 | 13.589 |
| T-3-1 | 582 | 337 18 13 | 112 30 27 | 6.991 | -5 2 39 | 6.964 | -161965.588 | -45680.608 | 582 | 1.503 | 1.000 | 13.552 |
| T-3-1 | 583 | 338 3 3 | 113 15 17 | 6.800 | -5 10 32 | 6.772 | -161965.596 | -45680.820 | 583 | 1.503 | 1.000 | 13.553 |
| T-3-1 | 584 | 324 44 4 | 99 56 18 | 4.294 | -7 33 5 | 4.257 | -161963.657 | -45682.848 | 584 | 1.503 | 1.000 | 13.603 |
| T-3-1 | 585 | 279 46 34 | 54 58 48 | 2.367 | -11 18 16 | 2.321 | -161961.591 | -45685.141 | 585 | 1.503 | 1.000 | 13.703 |
| T-3-1 | 586 | 222 38 55 | 357 51 9 | 3.137 | -7 6 25 | 3.113 | -161959.812 | -45687.158 | 586 | 1.503 | 1.000 | 13.779 |
| T-3-1 | 587 | 222 40 44 | 357 52 58 | 3.329 | -6 32 21 | 3.307 | -161959.618 | -45687.164 | 587 | 1.503 | 1.000 | 13.788 |
| T-3-1 | 588 | 233 35 48 | 8 48 2 | 4.212 | -4 48 56 | 4.197 | -161958.775 | -45686.399 | 588 | 1.503 | 1.000 | 13.813 |

多角測量計算簿

路線名 L08080958

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|-----|-----------|-----------|--------|-----------|--------|-------------|------------|-----|-------|-------|--------|
| T-3-1 | 589 | 348 10 7 | 123 22 21 | 20.324 | -2 43 42 | 20.301 | -161974.090 | -45670.088 | 589 | 1.503 | 1.000 | 13.199 |
| T-3-1 | 590 | 346 36 3 | 121 48 17 | 20.456 | -2 38 46 | 20.434 | -161973.692 | -45669.676 | 590 | 1.503 | 1.000 | 13.222 |
| T-3-1 | 591 | 345 37 8 | 120 49 22 | 16.936 | -2 58 24 | 16.913 | -161971.589 | -45672.517 | 591 | 1.503 | 1.000 | 13.288 |
| T-3-1 | 592 | 345 10 1 | 120 22 15 | 16.304 | -3 2 5 | 16.281 | -161971.154 | -45672.995 | 592 | 1.503 | 1.000 | 13.304 |
| T-3-1 | 593 | 343 5 8 | 118 17 22 | 16.423 | -2 52 42 | 16.402 | -161970.696 | -45672.598 | 593 | 1.503 | 1.000 | 13.342 |
| T-3-1 | 594 | 337 33 31 | 112 45 45 | 10.913 | -3 48 8 | 10.889 | -161967.136 | -45677.000 | 594 | 1.503 | 1.000 | 13.443 |
| T-3-1 | 595 | 334 55 22 | 110 7 36 | 11.094 | -3 33 1 | 11.073 | -161966.733 | -45676.645 | 595 | 1.503 | 1.000 | 13.480 |
| T-3-1 | 596 | 327 33 23 | 102 45 37 | 7.614 | -4 52 54 | 7.586 | -161964.598 | -45679.643 | 596 | 1.503 | 1.000 | 13.519 |
| T-3-1 | 597 | 320 59 11 | 96 11 25 | 7.288 | -4 44 45 | 7.263 | -161963.706 | -45679.821 | 597 | 1.503 | 1.000 | 13.564 |
| T-3-1 | 598 | 282 23 41 | 57 35 55 | 3.953 | -7 42 55 | 3.917 | -161960.824 | -45683.734 | 598 | 1.503 | 1.000 | 13.636 |
| T-3-1 | 599 | 280 0 15 | 55 12 29 | 4.454 | -6 15 27 | 4.427 | -161960.397 | -45683.406 | 599 | 1.503 | 1.000 | 13.681 |
| T-3-1 | 600 | 224 49 4 | 0 1 18 | 4.997 | -4 37 19 | 4.981 | -161957.942 | -45687.040 | 600 | 1.503 | 1.000 | 13.764 |
| T-3-1 | 601 | 219 14 34 | 354 26 48 | 5.469 | -4 0 48 | 5.456 | -161957.492 | -45687.569 | 601 | 1.503 | 1.000 | 13.784 |
| T-3-1 | 602 | 205 3 47 | 340 16 1 | 7.619 | -2 23 5 | 7.612 | -161955.758 | -45689.611 | 602 | 1.503 | 1.000 | 13.850 |
| T-3-1 | 603 | 194 19 3 | 329 31 17 | 11.385 | -1 3 45 | 11.383 | -161953.113 | -45692.815 | 603 | 1.503 | 1.000 | 13.956 |
| T-3-1 | 604 | 191 28 54 | 326 41 8 | 13.104 | -0 42 54 | 13.103 | -161951.973 | -45694.238 | 604 | 1.503 | 1.000 | 14.003 |
| T-3-1 | 605 | 188 6 36 | 323 18 50 | 16.033 | -0 16 22 | 16.033 | -161950.065 | -45696.620 | 605 | 1.503 | 1.000 | 14.091 |
| T-3-1 | t51 | 143 5 19 | 278 17 33 | 8.389 | -2 16 4 | 8.382 | -161961.714 | -45695.336 | t51 | 1.503 | 1.000 | 13.835 |
| T-3-1 | t52 | 19 25 43 | 154 37 57 | 13.300 | -3 52 40 | 13.270 | -161974.913 | -45681.356 | t52 | 1.503 | 1.000 | 13.267 |
| T-3-1 | t53 | 352 4 4 | 127 16 18 | 14.099 | -3 12 30 | 14.077 | -161971.448 | -45675.839 | t53 | 1.503 | 1.000 | 13.378 |
| T-3-1 | t54 | 0 2 20 | 135 14 34 | 14.096 | -5 24 17 | 14.033 | -161972.887 | -45677.161 | t54 | 1.503 | 1.000 | 12.839 |
| T-3-1 | t55 | 344 39 58 | 119 52 12 | 16.600 | -4 29 12 | 16.549 | -161971.165 | -45672.691 | t55 | 1.503 | 1.000 | 12.868 |
| T-3-1 | t56 | 223 52 27 | 359 4 41 | 5.413 | -8 45 40 | 5.350 | -161957.573 | -45687.127 | t56 | 1.503 | 1.000 | 13.342 |
| T-3-1 | t57 | 195 23 26 | 330 35 40 | 3.706 | -5 51 34 | 3.687 | -161959.711 | -45688.852 | t57 | 1.503 | 1.000 | 13.789 |
| T-3-1 | t58 | 167 42 48 | 302 55 2 | 3.616 | -14 42 55 | 3.497 | -161961.022 | -45689.977 | t58 | 1.503 | 1.000 | 13.248 |
| T-3-1 | 606 | 340 3 28 | 115 15 42 | 4.504 | -7 29 42 | 4.466 | -161964.829 | -45683.002 | 606 | 1.503 | 1.000 | 13.579 |
| T-3-1 | 607 | 302 55 33 | 78 7 47 | 13.503 | -1 16 1 | 13.500 | -161960.146 | -45673.830 | 607 | 1.503 | 1.000 | 13.868 |
| T-3-1 | 608 | 288 11 53 | 63 24 7 | 11.789 | -1 2 54 | 11.787 | -161957.645 | -45676.502 | 608 | 1.503 | 1.000 | 13.951 |
| T-3-1 | 609 | 269 55 13 | 45 7 27 | 11.022 | -0 37 49 | 11.021 | -161955.147 | -45679.231 | 609 | 1.503 | 1.000 | 14.046 |
| T-3-1 | 610 | 245 24 25 | 20 36 39 | 11.744 | -0 3 36 | 11.744 | -161951.930 | -45682.907 | 610 | 1.503 | 1.000 | 14.155 |
| T-3-1 | 611 | 230 32 20 | 5 44 34 | 13.420 | 0 21 46 | 13.420 | -161949.570 | -45685.699 | 611 | 1.503 | 1.000 | 14.252 |
| T-3-1 | 612 | 214 53 56 | 350 6 10 | 17.094 | 0 49 4 | 17.092 | -161946.085 | -45689.979 | 612 | 1.503 | 1.000 | 14.411 |
| T-3-1 | 613 | 205 54 15 | 341 6 29 | 20.993 | 1 0 47 | 20.990 | -161943.063 | -45693.838 | 613 | 1.503 | 1.000 | 14.538 |
| T-3-1 | 614 | 198 58 57 | 334 11 11 | 25.724 | 1 7 7 | 25.719 | -161939.770 | -45698.241 | 614 | 1.503 | 1.000 | 14.669 |

多角測量計算簿

路線名 L08080958

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|-----|-----------|-----------|--------|----------|--------|-------------|------------|-----|-------|-------|--------|
| T-3-1 | 615 | 199 16 22 | 334 28 36 | 26.932 | 1 38 22 | 26.921 | -161938.629 | -45698.641 | 615 | 1.503 | 1.000 | 14.937 |
| T-3-1 | 616 | 200 41 49 | 335 54 3 | 25.802 | 1 37 43 | 25.792 | -161939.379 | -45697.573 | 616 | 1.503 | 1.000 | 14.900 |
| T-3-1 | 617 | 200 57 54 | 336 10 8 | 27.150 | 1 14 16 | 27.144 | -161938.093 | -45698.009 | 617 | 1.503 | 1.000 | 14.753 |
| T-3-1 | 618 | 202 2 42 | 337 14 56 | 26.307 | 1 14 20 | 26.301 | -161938.668 | -45697.213 | 618 | 1.503 | 1.000 | 14.736 |
| T-3-1 | 619 | 202 6 37 | 337 18 51 | 26.269 | 1 15 36 | 26.263 | -161938.692 | -45697.170 | 619 | 1.503 | 1.000 | 14.744 |
| T-3-1 | 620 | 209 12 19 | 344 24 33 | 21.860 | 1 8 16 | 21.856 | -161941.871 | -45692.916 | 620 | 1.503 | 1.000 | 14.601 |
| T-3-1 | 621 | 217 56 41 | 353 8 55 | 18.319 | 0 58 44 | 18.316 | -161944.737 | -45689.226 | 621 | 1.503 | 1.000 | 14.480 |
| T-3-1 | 622 | 215 48 8 | 351 0 22 | 17.874 | 1 32 39 | 17.868 | -161945.274 | -45689.835 | 622 | 1.503 | 1.000 | 14.649 |
| T-3-1 | 623 | 218 54 34 | 354 6 48 | 16.925 | 1 29 56 | 16.919 | -161946.093 | -45688.777 | 623 | 1.503 | 1.000 | 14.610 |
| T-3-1 | 624 | 217 55 55 | 353 8 9 | 18.284 | 0 58 49 | 18.281 | -161944.773 | -45689.226 | 624 | 1.503 | 1.000 | 14.480 |
| T-3-1 | 625 | 220 10 12 | 355 22 26 | 17.608 | 0 53 38 | 17.606 | -161945.374 | -45688.461 | 625 | 1.503 | 1.000 | 14.442 |
| T-3-1 | 626 | 220 17 28 | 355 29 42 | 17.592 | 0 56 15 | 17.590 | -161945.387 | -45688.423 | 626 | 1.503 | 1.000 | 14.455 |
| T-3-1 | 627 | 233 49 17 | 9 1 31 | 14.690 | 0 36 59 | 14.689 | -161948.416 | -45684.737 | 627 | 1.503 | 1.000 | 14.325 |
| T-3-1 | 628 | 254 14 46 | 29 27 0 | 12.762 | 0 10 14 | 12.762 | -161951.810 | -45680.767 | 628 | 1.503 | 1.000 | 14.205 |
| T-3-1 | 629 | 253 1 52 | 28 14 6 | 11.995 | 0 55 13 | 11.993 | -161952.357 | -45681.368 | 629 | 1.503 | 1.000 | 14.360 |
| T-3-1 | 630 | 259 7 11 | 34 19 25 | 11.808 | 0 48 23 | 11.807 | -161953.172 | -45680.384 | 630 | 1.503 | 1.000 | 14.333 |
| T-3-1 | 631 | 254 26 18 | 29 38 32 | 12.721 | 0 6 43 | 12.721 | -161951.866 | -45680.750 | 631 | 1.503 | 1.000 | 14.192 |
| T-3-1 | 632 | 258 47 10 | 33 59 24 | 12.544 | -0 1 5 | 12.544 | -161952.522 | -45680.029 | 632 | 1.503 | 1.000 | 14.163 |
| T-3-1 | 633 | 258 51 37 | 34 3 51 | 12.579 | 0 2 5 | 12.579 | -161952.502 | -45679.996 | 633 | 1.503 | 1.000 | 14.174 |
| T-3-1 | 634 | 277 52 3 | 53 4 17 | 12.725 | -0 19 41 | 12.725 | -161955.277 | -45676.869 | 634 | 1.503 | 1.000 | 14.094 |
| T-3-1 | 635 | 295 17 48 | 70 30 2 | 14.135 | -0 42 10 | 14.134 | -161958.205 | -45673.718 | 635 | 1.503 | 1.000 | 13.993 |
| T-3-1 | 636 | 300 40 53 | 75 53 7 | 14.887 | -0 53 8 | 14.885 | -161959.293 | -45672.606 | 636 | 1.503 | 1.000 | 13.937 |
| T-3-1 | 637 | 301 41 9 | 76 53 23 | 14.149 | -0 8 21 | 14.149 | -161959.713 | -45673.261 | 637 | 1.503 | 1.000 | 14.132 |
| T-3-1 | 638 | 306 1 24 | 81 13 38 | 14.949 | -0 22 15 | 14.949 | -161960.643 | -45672.267 | 638 | 1.503 | 1.000 | 14.070 |
| T-3-1 | 639 | 300 36 16 | 75 48 30 | 14.899 | -0 56 58 | 14.897 | -161959.270 | -45672.599 | 639 | 1.503 | 1.000 | 13.920 |
| T-3-1 | 640 | 303 44 10 | 78 56 24 | 15.452 | -0 58 31 | 15.450 | -161959.959 | -45671.878 | 640 | 1.503 | 1.000 | 13.904 |
| T-3-1 | 641 | 171 21 11 | 306 33 25 | 19.201 | 12 17 50 | 18.760 | -161951.749 | -45702.111 | 641 | 1.503 | 1.000 | 18.256 |
| T-3-1 | 642 | 140 12 34 | 275 24 48 | 20.348 | 7 15 55 | 20.185 | -161961.018 | -45707.136 | 642 | 1.503 | 1.000 | 16.740 |
| T-3-1 | 643 | 221 42 32 | 356 54 46 | 49.743 | 13 37 49 | 48.342 | -161914.651 | -45689.645 | 643 | 1.503 | 1.000 | 25.889 |
| T-3-1 | 644 | 210 44 53 | 345 57 7 | 41.282 | 17 8 30 | 39.448 | -161924.654 | -45696.617 | 644 | 1.503 | 1.000 | 26.334 |
| T-3-1 | 645 | 200 31 26 | 335 43 40 | 51.860 | 13 22 6 | 50.455 | -161916.928 | -45707.782 | 645 | 1.503 | 1.000 | 26.157 |
| T-3-1 | 646 | 200 16 41 | 335 28 55 | 52.579 | 4 47 56 | 52.395 | -161915.252 | -45708.784 | 646 | 1.503 | 1.000 | 18.566 |
| T-3-1 | 647 | 199 21 45 | 334 33 59 | 52.119 | 5 8 31 | 51.909 | -161916.044 | -45709.334 | 647 | 1.503 | 1.000 | 18.838 |
| T-3-1 | 648 | 192 47 0 | 327 59 14 | 65.541 | 4 11 54 | 65.365 | -161907.498 | -45721.692 | 648 | 1.503 | 1.000 | 18.965 |

多角測量計算簿

路線名 L08080958

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|-----|-----------|-----------|--------|----------|--------|-------------|------------|-----|-------|-------|--------|
| T-3-1 | 649 | 187 38 45 | 322 50 59 | 77.034 | 2 46 23 | 76.944 | -161901.594 | -45733.508 | 649 | 1.503 | 1.000 | 17.894 |
| T-3-1 | 650 | 189 4 13 | 324 16 27 | 77.900 | 2 49 39 | 77.805 | -161899.759 | -45732.472 | 650 | 1.503 | 1.000 | 18.010 |
| T-3-1 | 651 | 170 50 13 | 306 2 27 | 37.979 | 5 28 17 | 37.806 | -161940.679 | -45717.611 | 651 | 1.503 | 1.000 | 17.788 |
| T-3-1 | 652 | 168 28 12 | 303 40 26 | 37.679 | 2 30 29 | 37.643 | -161942.051 | -45718.368 | 652 | 1.503 | 1.000 | 15.816 |
| T-3-1 | 653 | 178 31 34 | 313 43 48 | 32.153 | 8 12 55 | 31.823 | -161940.925 | -45710.037 | 653 | 1.503 | 1.000 | 18.761 |
| T-3-1 | 654 | 203 13 36 | 338 25 50 | 39.560 | 2 15 52 | 39.529 | -161926.162 | -45701.573 | 654 | 1.503 | 1.000 | 15.730 |
| T-3-1 | 655 | 222 1 58 | 357 14 12 | 28.401 | 13 15 44 | 27.644 | -161935.311 | -45688.374 | 655 | 1.503 | 1.000 | 20.682 |
| T-3-1 | 656 | 286 3 35 | 61 15 49 | 21.292 | 2 0 52 | 21.279 | -161952.692 | -45668.383 | 656 | 1.503 | 1.000 | 14.915 |
| T-3-1 | 657 | 325 34 27 | 100 46 41 | 6.060 | 0 18 32 | 6.060 | -161964.056 | -45681.088 | 657 | 1.503 | 1.000 | 14.200 |
| T-3-1 | 658 | 319 37 1 | 94 49 15 | 4.848 | 0 18 19 | 4.848 | -161963.330 | -45682.211 | 658 | 1.503 | 1.000 | 14.193 |
| T-3-1 | 659 | 178 10 41 | 313 22 55 | 30.372 | 0 42 5 | 30.370 | -161942.063 | -45709.114 | 659 | 1.503 | 1.000 | 14.539 |
| T-3-1 | 660 | 175 35 48 | 310 48 2 | 41.723 | 1 20 30 | 41.712 | -161935.667 | -45718.617 | 660 | 1.503 | 1.000 | 15.144 |
| T-3-1 | 661 | 174 7 51 | 309 20 5 | 49.879 | 1 34 34 | 49.860 | -161931.319 | -45725.606 | 661 | 1.503 | 1.000 | 15.539 |
| T-3-1 | 662 | 248 51 25 | 24 3 39 | 21.550 | 1 41 20 | 21.541 | -161943.253 | -45678.259 | 662 | 1.503 | 1.000 | 14.802 |
| T-3-1 | 663 | 272 28 54 | 47 41 8 | 20.647 | 1 42 0 | 20.638 | -161949.029 | -45671.780 | 663 | 1.503 | 1.000 | 14.779 |
| T-3-1 | 664 | 186 37 35 | 321 49 49 | 16.581 | 2 56 29 | 16.559 | -161949.904 | -45697.275 | 664 | 1.503 | 1.000 | 15.018 |
| T-3-1 | 665 | 304 48 40 | 80 0 54 | 9.579 | -8 36 21 | 9.471 | -161961.280 | -45677.714 | 665 | 1.503 | 1.000 | 12.733 |
| T-3-1 | 666 | 273 2 31 | 48 14 45 | 7.662 | -9 49 31 | 7.550 | -161957.895 | -45681.409 | 666 | 1.503 | 1.000 | 12.859 |
| T-3-1 | 667 | 236 56 12 | 12 8 26 | 8.665 | -7 45 1 | 8.586 | -161954.529 | -45685.236 | 667 | 1.503 | 1.000 | 12.998 |
| T-3-1 | 668 | 215 2 11 | 350 14 25 | 11.852 | -5 0 54 | 11.807 | -161951.287 | -45689.043 | 668 | 1.503 | 1.000 | 13.131 |
| T-3-1 | 669 | 202 49 4 | 338 1 18 | 16.013 | -3 14 33 | 15.987 | -161948.097 | -45693.025 | 669 | 1.503 | 1.000 | 13.261 |
| T-3-1 | 670 | 195 49 37 | 331 1 51 | 20.478 | -2 10 53 | 20.463 | -161945.020 | -45696.952 | 670 | 1.503 | 1.000 | 13.387 |
| T-3-1 | 671 | 190 57 37 | 326 9 51 | 25.205 | -1 27 57 | 25.197 | -161941.993 | -45701.071 | 671 | 1.503 | 1.000 | 13.522 |
| T-3-1 | 672 | 277 37 47 | 52 50 1 | 42.570 | 8 21 52 | 42.117 | -161937.478 | -45653.479 | 672 | 1.503 | 1.000 | 20.359 |
| T-3-1 | 673 | 299 54 49 | 75 7 3 | 39.127 | 9 6 5 | 38.634 | -161953.000 | -45649.703 | 673 | 1.503 | 1.000 | 20.356 |
| T-3-1 | 674 | 249 58 49 | 25 11 3 | 28.186 | 15 18 51 | 27.185 | -161938.322 | -45675.473 | 674 | 1.503 | 1.000 | 21.611 |
| T-3-1 | 675 | 249 8 3 | 24 20 17 | 26.345 | 16 2 58 | 25.318 | -161939.855 | -45676.607 | 675 | 1.503 | 1.000 | 21.450 |
| T-3-1 | 676 | 248 3 58 | 23 16 12 | 26.436 | 15 58 54 | 25.414 | -161939.576 | -45677.001 | 676 | 1.503 | 1.000 | 21.445 |
| T-3-1 | 677 | 248 57 46 | 24 10 0 | 26.035 | 7 44 36 | 25.798 | -161939.386 | -45676.480 | 677 | 1.503 | 1.000 | 17.675 |
| T-3-1 | 678 | 248 44 17 | 23 56 31 | 25.707 | 7 50 29 | 25.467 | -161939.647 | -45676.707 | 678 | 1.503 | 1.000 | 17.674 |
| T-3-1 | 679 | 248 12 6 | 23 24 20 | 25.772 | 7 45 42 | 25.536 | -161939.488 | -45676.898 | 679 | 1.503 | 1.000 | 17.647 |
| T-3-1 | 680 | 0 0 0 | 135 12 14 | 0.000 | 90 0 0 | 0.000 | -161962.923 | -45687.041 | 680 | 1.503 | 1.000 | 14.167 |
| T-3-1 | 681 | 45 36 3 | 180 48 17 | 26.859 | 12 19 13 | 26.240 | -161989.160 | -45687.410 | 681 | 1.503 | 1.000 | 19.898 |

多角測量計算簿

路線名 L08080958

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|-----|-----------|-----------|--------|----------|--------|-------------|------------|-----|-------|-------|--------|
| T-4 | T-5 | | 301 14 28 | | | | -161936.651 | -45719.104 | T-4 | | | 14.873 |
| T-4 | 682 | 188 59 32 | 130 14 0 | 20.555 | -3 58 13 | 20.506 | -161949.896 | -45703.449 | 682 | 0.000 | 1.000 | 12.450 |
| T-4 | 683 | 189 28 58 | 130 43 26 | 18.544 | -2 39 1 | 18.524 | -161948.736 | -45705.065 | 683 | 0.000 | 1.300 | 12.716 |
| T-4 | 684 | 190 34 51 | 131 49 19 | 15.058 | -2 52 34 | 15.039 | -161946.679 | -45707.897 | 684 | 0.000 | 1.300 | 12.817 |
| T-4 | 685 | 192 1 2 | 133 15 30 | 12.550 | -3 5 40 | 12.532 | -161945.239 | -45709.977 | 685 | 0.000 | 1.300 | 12.896 |
| T-4 | 686 | 198 1 9 | 139 15 37 | 7.627 | -3 50 50 | 7.610 | -161942.417 | -45714.138 | 686 | 0.000 | 1.300 | 13.061 |
| T-4 | 687 | 207 44 58 | 148 59 26 | 4.791 | -4 51 40 | 4.774 | -161940.743 | -45716.645 | 687 | 0.000 | 1.300 | 13.167 |
| T-4 | 688 | 278 34 33 | 219 49 1 | 2.133 | -7 15 31 | 2.116 | -161938.276 | -45720.459 | 688 | 0.000 | 1.300 | 13.303 |
| T-4 | 689 | 335 19 6 | 276 33 34 | 4.773 | -1 34 52 | 4.771 | -161936.106 | -45723.844 | 689 | 0.000 | 1.300 | 13.441 |
| T-4 | 690 | 348 47 21 | 290 1 49 | 10.061 | 0 14 56 | 10.061 | -161933.205 | -45728.556 | 690 | 0.000 | 1.300 | 13.617 |
| T-4 | 691 | 352 24 52 | 293 39 20 | 15.006 | 0 48 13 | 15.005 | -161930.630 | -45732.848 | 691 | 0.000 | 1.300 | 13.783 |
| T-4 | 692 | 354 9 6 | 295 23 34 | 20.009 | 1 4 33 | 20.005 | -161928.072 | -45737.176 | 692 | 0.000 | 1.300 | 13.949 |
| T-4 | 693 | 355 8 15 | 296 22 43 | 25.523 | 1 13 33 | 25.517 | -161925.314 | -45741.964 | 693 | 0.000 | 1.300 | 14.119 |
| T-4 | 694 | 355 44 16 | 296 58 44 | 30.541 | 1 21 26 | 30.532 | -161922.800 | -45746.313 | 694 | 0.000 | 1.300 | 14.296 |
| T-4 | 695 | 356 7 44 | 297 22 12 | 35.543 | 1 26 9 | 35.532 | -161920.316 | -45750.658 | 695 | 0.000 | 1.300 | 14.464 |
| T-4 | 696 | 356 27 31 | 297 41 59 | 41.055 | 1 31 39 | 41.040 | -161917.574 | -45755.441 | 696 | 0.000 | 1.300 | 14.667 |
| T-4 | 697 | 356 43 47 | 297 58 15 | 47.072 | 1 34 54 | 47.054 | -161914.582 | -45760.661 | 697 | 0.000 | 1.300 | 14.872 |
| T-4 | 698 | 356 55 36 | 298 10 4 | 52.079 | 1 37 1 | 52.058 | -161912.077 | -45764.997 | 698 | 0.000 | 1.300 | 15.043 |
| T-4 | 699 | 1 17 25 | 302 31 53 | 47.534 | 1 41 10 | 47.513 | -161911.100 | -45759.162 | 699 | 0.000 | 1.300 | 14.972 |
| T-4 | 700 | 359 55 30 | 301 9 58 | 47.494 | 1 39 56 | 47.474 | -161912.082 | -45759.726 | 700 | 0.000 | 1.300 | 14.953 |
| T-4 | 701 | 359 45 7 | 300 59 35 | 47.372 | 1 39 50 | 47.352 | -161912.268 | -45759.696 | 701 | 0.000 | 1.300 | 14.949 |
| T-4 | 702 | 359 50 42 | 301 5 10 | 44.769 | 1 38 45 | 44.751 | -161913.545 | -45757.428 | 702 | 0.000 | 1.300 | 14.859 |
| T-4 | 703 | 1 24 19 | 302 38 47 | 44.722 | 1 40 2 | 44.703 | -161912.536 | -45756.745 | 703 | 0.000 | 1.300 | 14.874 |
| T-4 | 704 | 1 52 13 | 303 6 41 | 39.202 | 1 38 39 | 39.186 | -161915.245 | -45751.927 | 704 | 0.000 | 1.300 | 14.698 |
| T-4 | 705 | 0 1 30 | 301 15 58 | 39.135 | 1 35 24 | 39.120 | -161916.347 | -45752.542 | 705 | 0.000 | 1.300 | 14.659 |
| T-4 | 706 | 0 3 39 | 301 18 7 | 35.995 | 1 33 0 | 35.982 | -161917.957 | -45749.848 | 706 | 0.000 | 1.300 | 14.547 |
| T-4 | 707 | 0 18 19 | 301 32 47 | 35.818 | 1 33 14 | 35.805 | -161917.918 | -45749.618 | 707 | 0.000 | 1.300 | 14.544 |
| T-4 | 708 | 2 5 27 | 303 19 55 | 35.830 | 1 37 8 | 35.816 | -161916.970 | -45749.028 | 708 | 0.000 | 1.300 | 14.585 |
| T-4 | 709 | 0 41 48 | 301 56 16 | 30.647 | 1 30 14 | 30.636 | -161920.445 | -45745.102 | 709 | 0.000 | 1.300 | 14.377 |
| T-4 | 710 | 0 22 12 | 301 36 40 | 30.469 | 1 29 17 | 30.459 | -161920.686 | -45745.044 | 710 | 0.000 | 1.300 | 14.364 |
| T-4 | 711 | 0 30 19 | 301 44 47 | 28.145 | 1 25 31 | 28.136 | -161921.847 | -45743.030 | 711 | 0.000 | 1.300 | 14.273 |
| T-4 | 712 | 1 0 11 | 302 14 39 | 21.487 | 1 18 55 | 21.481 | -161925.190 | -45737.272 | 712 | 0.000 | 1.300 | 14.066 |
| T-4 | 713 | 4 27 40 | 305 42 8 | 21.354 | 1 21 53 | 21.348 | -161924.193 | -45736.440 | 713 | 0.000 | 1.300 | 14.082 |
| T-4 | 714 | 1 29 54 | 302 44 22 | 21.305 | 1 17 55 | 21.300 | -161925.132 | -45737.020 | 714 | 0.000 | 1.300 | 14.056 |

多角測量計算簿

路線名 L08080958

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|-----|-----------|-----------|--------|----------|--------|-------------|------------|-----|-------|-------|--------|
| T-4 | 715 | 2 11 8 | 303 25 36 | 30.674 | 1 33 29 | 30.663 | -161919.760 | -45744.695 | 715 | 0.000 | 1.300 | 14.407 |
| T-4 | 716 | 9 17 47 | 310 32 15 | 11.013 | 0 49 31 | 11.012 | -161929.494 | -45727.473 | 716 | 0.000 | 1.300 | 13.732 |
| T-4 | 717 | 3 35 4 | 304 49 32 | 10.937 | 0 48 0 | 10.936 | -161930.406 | -45728.081 | 717 | 0.000 | 1.300 | 13.726 |
| T-4 | 718 | 2 48 50 | 304 3 18 | 10.792 | 0 47 29 | 10.791 | -161930.608 | -45728.044 | 718 | 0.000 | 1.300 | 13.722 |
| T-4 | 719 | 7 53 49 | 309 8 17 | 3.600 | -1 33 48 | 3.599 | -161934.379 | -45721.895 | 719 | 0.000 | 1.300 | 13.475 |
| T-4 | 720 | 171 29 46 | 112 44 14 | 2.258 | -7 21 8 | 2.239 | -161937.516 | -45717.039 | 720 | 0.000 | 1.300 | 13.284 |
| T-4 | 721 | 167 36 6 | 108 50 34 | 2.412 | -6 39 0 | 2.396 | -161937.425 | -45716.836 | 721 | 0.000 | 1.300 | 13.294 |
| T-4 | 722 | 144 57 21 | 86 11 49 | 2.880 | -4 42 24 | 2.870 | -161936.461 | -45716.240 | 722 | 0.000 | 1.300 | 13.337 |
| T-4 | 723 | 171 51 49 | 113 6 17 | 9.682 | -2 48 9 | 9.670 | -161940.446 | -45710.210 | 723 | 0.000 | 1.300 | 13.100 |
| T-4 | 724 | 178 34 7 | 119 48 35 | 9.512 | -3 9 50 | 9.498 | -161941.373 | -45710.863 | 724 | 0.000 | 1.300 | 13.048 |
| T-4 | 725 | 179 31 41 | 120 46 9 | 9.619 | -3 11 31 | 9.604 | -161941.564 | -45710.852 | 725 | 0.000 | 1.300 | 13.037 |
| T-4 | 726 | 180 41 27 | 121 55 55 | 13.519 | -2 48 58 | 13.503 | -161943.793 | -45707.644 | 726 | 0.000 | 1.300 | 12.909 |
| T-4 | 727 | 181 15 21 | 122 29 49 | 16.593 | -2 33 19 | 16.577 | -161945.557 | -45705.123 | 727 | 0.000 | 1.300 | 12.833 |
| T-4 | 728 | 180 49 36 | 122 4 4 | 16.760 | -2 31 25 | 16.744 | -161945.541 | -45704.915 | 728 | 0.000 | 1.300 | 12.835 |
| T-4 | 729 | 178 26 5 | 119 40 33 | 16.838 | -2 29 22 | 16.822 | -161944.979 | -45704.488 | 729 | 0.000 | 1.300 | 12.842 |
| T-4 | 730 | 179 25 37 | 120 40 5 | 24.076 | -2 8 32 | 24.059 | -161948.923 | -45698.410 | 730 | 0.000 | 1.300 | 12.673 |
| T-4 | 731 | 182 8 38 | 123 23 6 | 23.940 | -2 17 51 | 23.921 | -161949.814 | -45699.130 | 731 | 0.000 | 1.300 | 12.613 |
| T-4 | 732 | 182 32 45 | 123 47 13 | 24.085 | -2 17 22 | 24.066 | -161950.034 | -45699.102 | 732 | 0.000 | 1.300 | 12.611 |
| T-4 | 733 | 182 41 6 | 123 55 34 | 25.143 | -2 18 20 | 25.123 | -161950.673 | -45698.258 | 733 | 0.000 | 1.300 | 12.562 |
| T-4 | 734 | 182 49 57 | 124 4 25 | 25.949 | -2 15 50 | 25.929 | -161951.178 | -45697.627 | 734 | 0.000 | 1.300 | 12.548 |
| T-4 | 735 | 182 30 55 | 123 45 23 | 26.105 | -2 13 12 | 26.085 | -161951.145 | -45697.417 | 735 | 0.000 | 1.300 | 12.562 |
| T-4 | 736 | 180 6 1 | 121 20 29 | 26.210 | -2 6 1 | 26.192 | -161950.274 | -45696.734 | 736 | 0.000 | 1.300 | 12.612 |
| T-4 | 737 | 177 53 49 | 119 8 17 | 20.765 | -2 29 12 | 20.745 | -161946.752 | -45700.984 | 737 | 0.000 | 1.300 | 12.672 |
| T-4 | 738 | 175 42 20 | 116 56 48 | 15.652 | -2 45 18 | 15.634 | -161943.736 | -45705.167 | 738 | 0.000 | 1.300 | 12.821 |
| T-4 | 739 | 171 32 16 | 112 46 44 | 10.452 | -3 10 41 | 10.436 | -161940.692 | -45709.482 | 739 | 0.000 | 1.300 | 12.994 |
| T-4 | 740 | 161 7 56 | 102 22 24 | 5.450 | -4 18 6 | 5.435 | -161937.816 | -45713.795 | 740 | 0.000 | 1.300 | 13.164 |
| T-4 | 741 | 105 0 15 | 46 14 43 | 2.016 | -7 12 49 | 2.000 | -161935.268 | -45717.659 | 741 | 0.000 | 1.300 | 13.320 |
| T-4 | 742 | 63 13 33 | 4 28 1 | 2.232 | -5 54 46 | 2.220 | -161934.438 | -45718.931 | 742 | 0.000 | 1.300 | 13.343 |
| T-4 | 743 | 49 18 32 | 350 33 0 | 2.616 | -4 36 0 | 2.608 | -161934.078 | -45719.532 | 743 | 0.000 | 1.300 | 13.363 |
| T-4 | 744 | 27 55 4 | 329 9 32 | 4.322 | -1 38 16 | 4.320 | -161932.942 | -45721.319 | 744 | 0.000 | 1.300 | 13.449 |
| T-4 | 745 | 16 31 47 | 317 46 15 | 7.191 | -0 12 57 | 7.191 | -161931.326 | -45723.937 | 745 | 0.000 | 1.300 | 13.546 |
| T-4 | 746 | 9 32 10 | 310 46 38 | 12.294 | 0 39 31 | 12.293 | -161928.622 | -45728.413 | 746 | 0.000 | 1.300 | 13.714 |
| T-4 | 747 | 6 48 15 | 308 2 43 | 16.831 | 1 0 52 | 16.828 | -161926.280 | -45732.356 | 747 | 0.000 | 1.300 | 13.871 |
| T-4 | 748 | 5 11 9 | 306 25 37 | 21.423 | 1 10 57 | 21.418 | -161923.933 | -45736.337 | 748 | 0.000 | 1.300 | 14.015 |

多角測量計算簿

路線名 L08080958

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|-----|-----------|-----------|--------|-----------|--------|-------------|------------|-----|-------|-------|--------|
| T-4 | 749 | 4 4 36 | 305 19 4 | 26.079 | 1 18 4 | 26.072 | -161921.578 | -45740.378 | 749 | 0.000 | 1.300 | 14.165 |
| T-4 | 750 | 3 13 23 | 304 27 51 | 30.718 | 1 23 48 | 30.709 | -161919.273 | -45744.423 | 750 | 0.000 | 1.300 | 14.322 |
| T-4 | 751 | 347 36 27 | 288 50 55 | 11.525 | -4 27 31 | 11.490 | -161932.939 | -45729.978 | 751 | 0.000 | 1.300 | 12.677 |
| T-4 | 752 | 339 49 35 | 281 4 3 | 7.236 | -7 9 26 | 7.180 | -161935.273 | -45726.150 | 752 | 0.000 | 1.300 | 12.671 |
| T-4 | 753 | 305 44 54 | 246 59 22 | 3.281 | -15 54 41 | 3.155 | -161937.884 | -45722.008 | 753 | 0.000 | 1.300 | 12.674 |
| T-4 | 754 | 220 24 48 | 161 39 16 | 4.223 | -12 18 59 | 4.126 | -161940.567 | -45717.805 | 754 | 0.000 | 1.300 | 12.672 |
| T-4 | 755 | 187 43 54 | 128 58 22 | 4.734 | -8 7 30 | 4.686 | -161939.598 | -45715.461 | 755 | 0.000 | 1.000 | 13.204 |
| T-4 | 756 | 186 48 53 | 128 3 21 | 20.416 | -3 23 15 | 20.380 | -161949.214 | -45703.057 | 756 | 0.000 | 1.000 | 12.667 |
| T-4 | 757 | 186 51 21 | 128 5 49 | 19.685 | -3 25 20 | 19.650 | -161948.775 | -45703.640 | 757 | 0.000 | 1.000 | 12.698 |
| T-4 | 758 | 185 0 46 | 126 15 14 | 19.679 | -3 23 25 | 19.645 | -161948.268 | -45703.262 | 758 | 0.000 | 1.000 | 12.709 |
| T-4 | 759 | 190 28 27 | 131 42 55 | 20.856 | -3 12 27 | 20.823 | -161950.507 | -45703.560 | 759 | 0.000 | 1.000 | 12.706 |
| T-4 | 760 | 191 59 49 | 133 14 17 | 20.967 | -2 56 41 | 20.939 | -161950.995 | -45703.850 | 760 | 0.000 | 1.000 | 12.796 |
| T-4 | 761 | 195 49 5 | 137 3 33 | 16.619 | -3 17 59 | 16.591 | -161948.797 | -45707.802 | 761 | 0.000 | 1.000 | 12.916 |
| T-4 | 762 | 202 19 44 | 143 34 12 | 12.401 | -4 13 14 | 12.367 | -161946.601 | -45711.760 | 762 | 0.000 | 1.000 | 12.960 |
| T-4 | 763 | 214 42 18 | 155 56 46 | 8.622 | -5 46 46 | 8.578 | -161944.484 | -45715.608 | 763 | 0.000 | 1.000 | 13.005 |
| T-4 | 764 | 214 42 18 | 155 56 46 | 8.618 | -5 46 46 | 8.574 | -161944.480 | -45715.609 | 764 | 0.000 | 1.000 | 13.005 |
| T-4 | 765 | 202 10 58 | 143 25 26 | 7.600 | -5 54 43 | 7.560 | -161942.722 | -45714.599 | 765 | 0.000 | 1.000 | 13.090 |
| T-4 | 766 | 194 59 18 | 136 13 46 | 11.813 | -4 34 39 | 11.775 | -161945.154 | -45710.958 | 766 | 0.000 | 1.000 | 12.930 |
| T-4 | 767 | 192 3 48 | 133 18 16 | 16.337 | -3 45 15 | 16.302 | -161947.832 | -45707.241 | 767 | 0.000 | 1.000 | 12.803 |
| T-4 | 768 | 111 22 45 | 52 37 13 | 9.745 | -2 2 21 | 9.739 | -161930.739 | -45711.365 | 768 | 0.000 | 1.000 | 13.526 |
| T-4 | 769 | 85 32 26 | 26 46 54 | 9.210 | -1 25 15 | 9.207 | -161928.432 | -45714.955 | 769 | 0.000 | 1.000 | 13.645 |
| T-4 | 770 | 61 28 50 | 2 43 18 | 10.520 | -0 36 41 | 10.519 | -161926.144 | -45718.605 | 770 | 0.000 | 1.000 | 13.761 |
| T-4 | 771 | 41 21 44 | 342 36 12 | 14.011 | 0 8 22 | 14.011 | -161923.281 | -45723.293 | 771 | 0.000 | 1.000 | 13.907 |
| T-4 | 772 | 30 55 11 | 332 9 39 | 17.966 | 0 28 46 | 17.965 | -161920.765 | -45727.493 | 772 | 0.000 | 1.000 | 14.023 |
| T-4 | 773 | 24 58 50 | 326 13 18 | 21.737 | 0 40 30 | 21.735 | -161918.585 | -45731.188 | 773 | 0.000 | 1.000 | 14.129 |
| T-4 | 774 | 24 50 55 | 326 5 23 | 22.323 | 0 42 51 | 22.321 | -161918.127 | -45731.557 | 774 | 0.000 | 1.000 | 14.151 |
| T-4 | 775 | 25 39 7 | 326 53 35 | 22.781 | 0 46 46 | 22.779 | -161917.570 | -45731.546 | 775 | 0.000 | 1.000 | 14.183 |
| T-4 | 776 | 27 11 34 | 328 26 2 | 22.794 | 0 44 53 | 22.792 | -161917.231 | -45731.035 | 776 | 0.000 | 1.000 | 14.171 |
| T-4 | 777 | 28 25 46 | 329 40 14 | 22.425 | 0 44 19 | 22.423 | -161917.297 | -45730.427 | 777 | 0.000 | 1.000 | 14.162 |
| T-4 | 778 | 33 6 20 | 334 20 48 | 19.584 | 0 35 34 | 19.583 | -161918.998 | -45727.582 | 778 | 0.000 | 1.000 | 14.076 |
| T-4 | 779 | 31 2 20 | 332 16 48 | 19.365 | 1 10 12 | 19.361 | -161919.512 | -45728.110 | 779 | 0.000 | 1.000 | 14.268 |
| T-4 | 780 | 33 6 19 | 334 20 47 | 18.189 | 1 8 3 | 18.185 | -161920.259 | -45726.977 | 780 | 0.000 | 1.000 | 14.233 |
| T-4 | 781 | 33 7 42 | 334 22 10 | 19.591 | 0 35 0 | 19.590 | -161918.989 | -45727.578 | 781 | 0.000 | 1.000 | 14.072 |
| T-4 | 782 | 34 49 15 | 336 3 43 | 18.792 | 0 31 0 | 18.791 | -161919.476 | -45726.728 | 782 | 0.000 | 1.000 | 14.042 |

多角測量計算簿

路線名 L08080958

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|-------|-----------|-----------|--------|----------|--------|-------------|------------|-------|-------|-------|--------|
| T-4 | 783 | 34 54 3 | 336 8 31 | 18.747 | 0 31 54 | 18.746 | -161919.507 | -45726.686 | 783 | 0.000 | 1.000 | 14.047 |
| T-4 | 784 | 45 45 12 | 346 59 40 | 15.031 | 0 13 15 | 15.031 | -161922.006 | -45722.487 | 784 | 0.000 | 1.000 | 13.931 |
| T-4 | 785 | 60 2 43 | 1 17 11 | 12.425 | -0 12 40 | 12.425 | -161924.229 | -45718.825 | 785 | 0.000 | 1.000 | 13.827 |
| T-4 | 786 | 73 6 2 | 14 20 30 | 11.206 | -0 41 27 | 11.205 | -161925.795 | -45716.328 | 786 | 0.000 | 1.000 | 13.738 |
| T-4 | 787 | 70 57 59 | 12 12 27 | 10.546 | 0 17 9 | 10.546 | -161926.343 | -45716.874 | 787 | 0.000 | 1.000 | 13.926 |
| T-4 | 788 | 77 54 29 | 19 8 57 | 10.105 | 0 8 21 | 10.105 | -161927.105 | -45715.789 | 788 | 0.000 | 1.000 | 13.898 |
| T-4 | 789 | 73 10 28 | 14 24 56 | 11.194 | -0 41 49 | 11.193 | -161925.810 | -45716.317 | 789 | 0.000 | 1.000 | 13.737 |
| T-4 | 790 | 78 5 42 | 19 20 10 | 10.939 | -0 51 23 | 10.938 | -161926.330 | -45715.482 | 790 | 0.000 | 1.000 | 13.710 |
| T-4 | 791 | 78 10 20 | 19 24 48 | 10.961 | -0 47 48 | 10.960 | -161926.314 | -45715.461 | 791 | 0.000 | 1.000 | 13.721 |
| T-4 | 792 | 105 42 51 | 46 57 19 | 11.013 | -1 27 22 | 11.009 | -161929.137 | -45711.058 | 792 | 0.000 | 1.000 | 13.593 |
| T-4 | 793 | 126 33 24 | 67 47 52 | 13.004 | -1 44 11 | 12.998 | -161931.739 | -45707.070 | 793 | 0.000 | 1.000 | 13.479 |
| T-4 | 794 | 128 14 31 | 69 28 59 | 12.221 | -1 4 24 | 12.219 | -161932.368 | -45707.660 | 794 | 0.000 | 1.000 | 13.644 |
| T-4 | 795 | 133 2 14 | 74 16 42 | 13.083 | -1 6 0 | 13.081 | -161933.107 | -45706.512 | 795 | 0.000 | 1.000 | 13.622 |
| T-4 | 796 | 126 50 27 | 68 4 55 | 12.993 | -1 50 10 | 12.986 | -161931.804 | -45707.057 | 796 | 0.000 | 1.000 | 13.457 |
| T-4 | 797 | 130 9 0 | 71 23 28 | 13.578 | -1 44 15 | 13.572 | -161932.320 | -45706.242 | 797 | 0.000 | 1.000 | 13.461 |
| T-4 | 798 | 130 13 36 | 71 28 4 | 13.596 | -1 43 51 | 13.590 | -161932.332 | -45706.219 | 798 | 0.000 | 1.000 | 13.462 |
| T-4 | 799 | 142 57 31 | 84 11 59 | 16.836 | -1 47 55 | 16.828 | -161934.950 | -45702.362 | 799 | 0.000 | 1.000 | 13.345 |
| T-4 | 800 | 152 35 17 | 93 49 45 | 21.138 | -1 52 9 | 21.127 | -161938.062 | -45698.024 | 800 | 0.000 | 1.000 | 13.184 |
| T-4 | 801 | 145 45 24 | 86 59 52 | 15.416 | -2 12 30 | 15.405 | -161935.844 | -45703.720 | 801 | 0.000 | 1.000 | 13.279 |
| T-4 | T-4-1 | 0 9 9 | 301 23 37 | 31.026 | 0 1 23 | 31.026 | -161920.489 | -45745.588 | T-4-1 | 0.000 | 0.500 | 14.385 |
| T-4 | T-4-2 | 2 27 53 | 303 42 21 | 11.781 | -3 1 30 | 11.765 | -161930.122 | -45728.891 | T-4-2 | 0.000 | 0.500 | 13.751 |
| T-4 | T-4-3 | 98 18 14 | 39 32 42 | 22.070 | -1 26 55 | 22.063 | -161919.638 | -45705.057 | T-4-3 | 0.000 | 0.500 | 13.815 |
| T-4 | T-4-4 | 148 25 30 | 89 39 58 | 34.132 | -1 24 46 | 34.122 | -161936.452 | -45684.983 | T-4-4 | 0.000 | 0.700 | 13.331 |
| T-4 | T-4-5 | 148 25 30 | 89 39 58 | 34.128 | -1 24 47 | 34.118 | -161936.452 | -45684.987 | T-4-5 | 0.000 | 0.700 | 13.331 |
| T-4 | T-4-6 | 24 13 59 | 325 28 27 | 46.754 | 0 36 9 | 46.751 | -161898.134 | -45745.601 | T-4-6 | 0.000 | 0.700 | 14.665 |
| T-4 | 802 | 186 35 57 | 127 50 25 | 5.817 | -10 1 48 | 5.728 | -161940.165 | -45714.580 | 802 | 0.000 | 0.700 | 13.160 |
| T-4 | t59 | 186 35 57 | 127 50 25 | 5.819 | -10 1 47 | 5.730 | -161940.166 | -45714.579 | t59 | 0.000 | 0.700 | 13.160 |
| T-4 | t60 | 203 47 6 | 145 1 34 | 6.424 | -14 1 4 | 6.233 | -161941.758 | -45715.531 | t60 | 0.000 | 0.700 | 12.617 |
| T-4 | t61 | 357 38 37 | 298 53 5 | 13.347 | -1 44 1 | 13.341 | -161930.207 | -45730.785 | t61 | 0.000 | 0.700 | 13.769 |
| T-4 | t62 | 350 30 30 | 291 44 58 | 13.576 | -3 57 35 | 13.544 | -161931.632 | -45731.684 | t62 | 0.000 | 0.700 | 13.236 |
| T-4 | t63 | 6 6 20 | 307 20 48 | 19.791 | -1 48 56 | 19.781 | -161924.651 | -45734.829 | t63 | 0.000 | 0.700 | 13.546 |
| T-4 | t64 | 358 11 52 | 299 26 20 | 33.678 | 0 27 46 | 33.677 | -161920.099 | -45748.433 | t64 | 0.000 | 0.700 | 14.445 |
| T-4 | t65 | 355 32 18 | 296 46 46 | 33.533 | -0 27 57 | 33.532 | -161921.543 | -45749.040 | t65 | 0.000 | 0.700 | 13.900 |
| T-4 | 803 | 169 32 1 | 110 46 29 | 23.747 | -4 58 45 | 23.657 | -161945.042 | -45696.985 | 803 | 0.000 | 0.700 | 12.112 |

多角測量計算簿

路線名 L08080958

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|-----|-----------|-----------|--------|-----------|--------|-------------|------------|-----|-------|-------|--------|
| T-4 | 804 | 174 40 35 | 115 55 3 | 33.415 | -3 58 0 | 33.335 | -161951.221 | -45689.122 | 804 | 0.000 | 0.700 | 11.861 |
| T-4 | 805 | 158 43 10 | 99 57 38 | 14.264 | -7 7 21 | 14.154 | -161939.099 | -45705.163 | 805 | 0.000 | 0.700 | 12.404 |
| T-4 | 806 | 146 11 51 | 87 26 19 | 9.889 | -9 25 13 | 9.756 | -161936.215 | -45709.358 | 806 | 0.000 | 0.700 | 12.554 |
| T-4 | 807 | 118 59 41 | 60 14 9 | 6.568 | -12 56 58 | 6.401 | -161933.473 | -45713.547 | 807 | 0.000 | 0.700 | 12.701 |
| T-4 | 808 | 70 50 59 | 12 5 27 | 6.201 | -12 18 22 | 6.059 | -161930.726 | -45717.835 | 808 | 0.000 | 0.700 | 12.851 |
| T-4 | 809 | 39 39 42 | 340 54 10 | 9.141 | -7 26 10 | 9.064 | -161928.086 | -45722.069 | 809 | 0.000 | 0.700 | 12.990 |
| T-4 | 810 | 25 38 36 | 326 53 4 | 13.383 | -4 24 2 | 13.344 | -161925.474 | -45726.394 | 810 | 0.000 | 0.700 | 13.146 |
| T-4 | 811 | 18 35 38 | 319 50 6 | 18.017 | -2 49 12 | 17.995 | -161922.899 | -45730.711 | 811 | 0.000 | 0.700 | 13.287 |
| T-4 | 812 | 14 14 14 | 315 28 42 | 22.892 | -1 53 20 | 22.880 | -161920.338 | -45735.147 | 812 | 0.000 | 0.700 | 13.418 |
| T-4 | 813 | 11 30 26 | 312 44 54 | 27.725 | -1 14 59 | 27.718 | -161917.837 | -45739.458 | 813 | 0.000 | 0.700 | 13.568 |
| T-4 | 814 | 2 42 29 | 303 56 57 | 28.620 | 2 2 18 | 28.602 | -161920.678 | -45742.830 | 814 | 0.000 | 0.700 | 15.191 |
| T-4 | 815 | 16 2 3 | 317 16 31 | 34.857 | 3 20 11 | 34.798 | -161911.088 | -45742.714 | 815 | 0.000 | 0.700 | 16.202 |
| T-4 | 816 | 15 28 4 | 316 42 32 | 36.088 | 2 21 44 | 36.057 | -161910.406 | -45743.828 | 816 | 0.000 | 0.700 | 15.660 |
| T-4 | 817 | 27 9 48 | 328 24 16 | 39.502 | 5 40 13 | 39.309 | -161903.169 | -45739.699 | 817 | 0.000 | 0.700 | 18.076 |
| T-4 | 818 | 20 20 35 | 321 35 3 | 51.772 | 1 35 37 | 51.752 | -161896.102 | -45751.261 | 818 | 0.000 | 0.700 | 15.613 |
| T-4 | 819 | 43 58 12 | 345 12 40 | 33.216 | 1 29 45 | 33.205 | -161904.546 | -45727.580 | 819 | 0.000 | 0.700 | 15.040 |
| T-4 | 820 | 54 39 6 | 355 53 34 | 22.386 | 1 37 10 | 22.377 | -161914.331 | -45720.707 | 820 | 0.000 | 0.700 | 14.806 |
| T-4 | 821 | 62 19 58 | 3 34 26 | 21.077 | 0 58 50 | 21.074 | -161915.618 | -45717.790 | 821 | 0.000 | 0.700 | 14.534 |
| T-4 | 822 | 88 4 19 | 29 18 47 | 35.157 | 10 20 1 | 34.587 | -161906.493 | -45702.171 | 822 | 0.000 | 0.700 | 20.479 |
| T-4 | 823 | 320 20 40 | 261 35 8 | 20.887 | 18 30 24 | 19.807 | -161939.549 | -45738.698 | 823 | 0.000 | 0.700 | 20.803 |
| T-4 | 824 | 341 45 30 | 282 59 58 | 17.179 | 18 55 53 | 16.250 | -161932.996 | -45734.938 | 824 | 0.000 | 0.700 | 19.746 |
| T-4 | 825 | 344 15 54 | 285 30 22 | 20.037 | 15 59 0 | 19.262 | -161931.501 | -45737.665 | 825 | 0.000 | 0.700 | 19.690 |
| T-4 | 826 | 351 58 55 | 293 13 23 | 19.621 | 16 23 24 | 18.824 | -161929.228 | -45736.403 | 826 | 0.000 | 0.700 | 19.710 |
| T-4 | 827 | 353 14 13 | 294 28 41 | 24.987 | 13 11 14 | 24.328 | -161926.571 | -45741.245 | 827 | 0.000 | 0.700 | 19.873 |
| T-4 | 828 | 273 2 28 | 214 16 56 | 4.253 | 14 39 44 | 4.115 | -161940.051 | -45721.422 | 828 | 0.000 | 0.700 | 15.250 |
| T-4 | 829 | 334 12 22 | 275 26 50 | 9.769 | 6 42 46 | 9.702 | -161935.730 | -45728.762 | 829 | 0.000 | 0.700 | 15.315 |
| T-4 | 830 | 88 2 24 | 29 16 52 | 26.465 | 2 38 8 | 26.437 | -161913.592 | -45706.174 | 830 | 0.000 | 0.700 | 15.390 |
| T-4 | 831 | 87 4 24 | 28 18 52 | 22.537 | 3 5 30 | 22.504 | -161916.839 | -45708.430 | 831 | 0.000 | 0.700 | 15.389 |
| T-4 | 832 | 65 9 6 | 6 23 34 | 24.883 | 0 27 54 | 24.882 | -161911.924 | -45716.334 | 832 | 0.000 | 0.700 | 14.375 |
| T-4 | 833 | 86 24 12 | 27 38 40 | 22.559 | 0 27 27 | 22.558 | -161916.668 | -45708.637 | 833 | 0.000 | 0.700 | 14.353 |
| T-4 | 834 | 84 43 3 | 25 57 31 | 24.470 | 4 27 17 | 24.396 | -161914.716 | -45708.425 | 834 | 0.000 | 0.700 | 16.074 |
| T-4 | 835 | 67 9 14 | 8 23 42 | 26.751 | 4 33 17 | 26.667 | -161910.270 | -45715.211 | 835 | 0.000 | 0.700 | 16.297 |
| T-4 | 836 | 63 11 0 | 4 25 28 | 33.799 | 4 27 17 | 33.697 | -161903.054 | -45716.504 | 836 | 0.000 | 0.700 | 16.798 |

多角測量計算簿

路線名 L08080958

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|-----|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-4-2 | T-4 | | 123 42 21 | | | | -161930.122 | -45728.891 | T-4-2 | | | 13.751 |
| T-4-2 | 837 | 79 49 25 | 203 31 46 | 3.095 | -12 19 17 | 3.024 | -161932.895 | -45730.099 | 837 | 1.580 | 0.700 | 13.971 |
| T-4-2 | 838 | 81 39 28 | 205 21 49 | 3.733 | -7 26 28 | 3.702 | -161933.467 | -45730.477 | 838 | 1.580 | 0.700 | 14.148 |
| T-4-2 | 839 | 82 40 34 | 206 22 55 | 3.952 | -6 42 5 | 3.925 | -161933.638 | -45730.635 | 839 | 1.580 | 0.700 | 14.170 |
| T-4-2 | 840 | 122 50 17 | 246 32 38 | 4.751 | -5 0 50 | 4.733 | -161932.006 | -45733.233 | 840 | 1.580 | 0.700 | 14.216 |
| T-4-2 | 841 | 122 33 57 | 246 16 18 | 5.269 | -14 5 9 | 5.111 | -161932.179 | -45733.570 | 841 | 1.580 | 0.700 | 13.349 |
| T-4-2 | 842 | 132 44 14 | 256 26 35 | 4.221 | -7 29 28 | 4.185 | -161931.103 | -45732.960 | 842 | 1.580 | 0.700 | 14.081 |
| T-4-2 | 843 | 136 57 50 | 260 40 11 | 4.625 | -6 46 58 | 4.593 | -161930.867 | -45733.424 | 843 | 1.580 | 0.700 | 14.085 |
| T-4-2 | 844 | 114 25 57 | 238 8 18 | 7.390 | 0 59 46 | 7.389 | -161934.023 | -45735.167 | 844 | 1.580 | 0.700 | 14.760 |
| T-4-2 | 845 | 127 53 26 | 251 35 47 | 5.235 | 5 35 11 | 5.210 | -161931.767 | -45733.835 | 845 | 1.580 | 0.700 | 15.141 |
| T-4-2 | 846 | 137 22 40 | 261 5 1 | 4.682 | -1 56 21 | 4.679 | -161930.847 | -45733.514 | 846 | 1.580 | 0.700 | 14.473 |
| T-4-2 | 847 | 135 14 27 | 258 56 48 | 5.059 | 4 17 12 | 5.045 | -161931.089 | -45733.843 | 847 | 1.580 | 0.700 | 15.009 |
| T-4-2 | 848 | 119 15 24 | 242 57 45 | 6.672 | 1 41 38 | 6.669 | -161933.154 | -45734.831 | 848 | 1.580 | 0.700 | 14.829 |
| T-4-2 | 849 | 138 35 23 | 262 17 44 | 10.052 | 2 59 27 | 10.038 | -161931.468 | -45738.839 | 849 | 1.580 | 0.700 | 15.156 |
| T-4-2 | 850 | 156 42 17 | 280 24 38 | 8.548 | 0 7 27 | 8.548 | -161928.578 | -45737.299 | 850 | 1.580 | 1.400 | 13.950 |
| T-4-2 | 851 | 160 54 42 | 284 37 3 | 10.825 | 0 26 59 | 10.825 | -161927.390 | -45739.366 | 851 | 1.580 | 1.400 | 14.016 |
| T-4-2 | 852 | 163 43 43 | 287 26 4 | 13.152 | 0 40 49 | 13.151 | -161926.182 | -45741.438 | 852 | 1.580 | 1.400 | 14.087 |
| T-4-2 | 853 | 114 56 35 | 238 38 56 | 7.885 | 5 47 40 | 7.845 | -161934.204 | -45735.591 | 853 | 1.580 | 1.400 | 14.727 |
| T-4-2 | 854 | 139 7 55 | 262 50 16 | 4.909 | 9 10 44 | 4.846 | -161930.726 | -45733.699 | 854 | 1.580 | 1.400 | 14.714 |
| T-4-2 | 855 | 151 6 8 | 274 48 29 | 7.107 | 9 33 5 | 7.008 | -161929.535 | -45735.875 | 855 | 1.580 | 1.400 | 15.111 |
| T-4-2 | t66 | 104 50 13 | 228 32 34 | 4.323 | -5 45 51 | 4.301 | -161932.970 | -45732.115 | t66 | 1.580 | 1.000 | 13.897 |
| T-4-2 | t67 | 139 4 9 | 262 46 30 | 6.525 | -2 20 19 | 6.520 | -161930.942 | -45735.360 | t67 | 1.580 | 1.000 | 14.065 |
| T-4-2 | 856 | 188 18 56 | 312 1 17 | 7.690 | -2 49 59 | 7.681 | -161924.981 | -45734.597 | 856 | 1.580 | 1.000 | 13.951 |
| T-4-2 | 857 | 187 19 40 | 311 2 1 | 8.382 | -2 29 3 | 8.374 | -161924.625 | -45735.208 | 857 | 1.580 | 1.000 | 13.968 |
| T-4-2 | 858 | 288 59 53 | 52 42 14 | 33.039 | 17 41 49 | 31.476 | -161911.050 | -45703.852 | 858 | 1.580 | 1.000 | 24.375 |
| T-4-2 | 859 | 6 23 9 | 130 5 30 | 33.362 | 7 14 5 | 33.096 | -161951.437 | -45703.572 | 859 | 1.580 | 1.000 | 18.533 |
| T-4-2 | 860 | 14 51 33 | 138 33 54 | 19.579 | 12 20 10 | 19.127 | -161944.462 | -45716.234 | 860 | 1.580 | 1.000 | 18.514 |
| T-4-2 | 861 | 31 16 7 | 154 58 28 | 22.656 | 10 40 41 | 22.264 | -161950.296 | -45719.473 | 861 | 1.580 | 1.000 | 18.529 |
| T-4-2 | 862 | 33 12 28 | 156 54 49 | 21.609 | 9 45 53 | 21.296 | -161949.713 | -45720.541 | 862 | 1.580 | 1.000 | 17.996 |
| T-4-2 | 863 | 39 10 20 | 162 52 41 | 23.610 | 8 50 13 | 23.330 | -161952.418 | -45722.023 | 863 | 1.580 | 1.000 | 17.958 |
| T-4-2 | 864 | 230 16 31 | 353 58 52 | 46.506 | 5 56 35 | 46.256 | -161884.121 | -45733.741 | 864 | 1.580 | 1.000 | 19.147 |
| T-4-2 | 865 | 218 55 46 | 342 38 7 | 38.776 | 7 14 26 | 38.467 | -161893.408 | -45740.372 | 865 | 1.580 | 1.000 | 19.218 |
| T-4-2 | 866 | 213 3 39 | 336 46 0 | 39.471 | 7 6 34 | 39.168 | -161894.131 | -45744.342 | 866 | 1.580 | 1.000 | 19.216 |
| T-4-2 | 867 | 207 21 53 | 331 4 14 | 47.080 | 5 56 46 | 46.827 | -161889.138 | -45751.543 | 867 | 1.580 | 1.000 | 19.208 |

多角測量計算簿

路線名 L08080958

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|-----|-----------|-----------|--------|----------|--------|-------------|------------|-------|-------|-------|--------|
| T-4-2 | 868 | 205 21 14 | 329 3 35 | 46.311 | 6 0 39 | 46.056 | -161890.620 | -45752.571 | 868 | 1.580 | 1.000 | 19.181 |
| T-4-2 | 869 | 205 7 7 | 328 49 28 | 46.663 | 5 56 46 | 46.412 | -161890.413 | -45752.917 | 869 | 1.580 | 1.000 | 19.165 |
| T-4-2 | 870 | 211 21 22 | 335 3 43 | 62.949 | 7 44 34 | 62.375 | -161873.563 | -45755.191 | 870 | 1.580 | 1.000 | 22.812 |
| T-4-2 | 871 | 204 21 3 | 328 3 24 | 59.238 | 8 16 34 | 58.621 | -161880.378 | -45759.906 | 871 | 1.580 | 1.000 | 22.858 |
| T-4-2 | 872 | 201 13 5 | 324 55 26 | 72.532 | 8 2 33 | 71.819 | -161871.346 | -45770.163 | 872 | 1.580 | 1.000 | 24.479 |
| T-4-2 | 873 | 195 50 1 | 319 32 22 | 70.261 | 8 13 36 | 69.538 | -161877.214 | -45774.016 | 873 | 1.580 | 1.000 | 24.385 |
| T-4-2 | 874 | 195 19 15 | 319 1 36 | 70.504 | 7 55 31 | 69.831 | -161877.399 | -45774.680 | 874 | 1.580 | 1.000 | 24.052 |
| T-4-1 | T-4 | | 121 23 37 | | | | -161920.489 | -45745.588 | T-4-1 | | | 14.385 |
| T-4-1 | 875 | 50 52 10 | 172 15 47 | 10.438 | -1 50 55 | 10.433 | -161930.827 | -45744.184 | 875 | 1.504 | 1.000 | 14.553 |
| T-4-1 | 876 | 24 45 36 | 146 9 13 | 6.995 | -2 43 5 | 6.987 | -161926.292 | -45741.697 | 876 | 1.504 | 1.000 | 14.558 |
| T-4-1 | 877 | 33 10 31 | 154 34 8 | 5.458 | -3 33 6 | 5.448 | -161925.409 | -45743.249 | 877 | 1.504 | 1.000 | 14.551 |
| T-4-1 | 878 | 32 30 55 | 153 54 32 | 5.404 | -3 32 33 | 5.394 | -161925.333 | -45743.216 | 878 | 1.504 | 1.000 | 14.556 |
| T-4-1 | 879 | 49 11 24 | 170 35 1 | 3.921 | -4 53 51 | 3.907 | -161924.343 | -45744.949 | 879 | 1.504 | 1.000 | 14.555 |
| T-4-1 | 880 | 49 42 58 | 171 6 35 | 3.937 | -4 53 46 | 3.923 | -161924.365 | -45744.982 | 880 | 1.504 | 1.000 | 14.553 |
| T-4-1 | 881 | 90 21 22 | 211 44 59 | 3.064 | -6 43 35 | 3.043 | -161923.077 | -45747.189 | 881 | 1.504 | 1.000 | 14.531 |
| T-4-1 | 882 | 143 21 52 | 264 45 29 | 5.035 | -5 44 53 | 5.010 | -161920.947 | -45750.577 | 882 | 1.504 | 1.000 | 14.385 |
| T-4-1 | 883 | 124 9 32 | 245 33 9 | 7.001 | -10 1 47 | 6.894 | -161923.342 | -45751.864 | 883 | 1.504 | 1.000 | 13.670 |
| T-4-1 | 884 | 104 6 3 | 225 29 40 | 14.599 | -4 57 56 | 14.544 | -161930.684 | -45755.961 | 884 | 1.504 | 1.000 | 13.626 |
| T-4-1 | 885 | 116 17 48 | 237 41 25 | 8.698 | 3 7 23 | 8.685 | -161925.131 | -45752.928 | 885 | 1.504 | 1.000 | 15.363 |
| T-4-1 | 886 | 104 38 5 | 226 1 42 | 14.252 | 0 13 40 | 14.252 | -161930.384 | -45755.845 | 886 | 1.504 | 1.000 | 14.946 |
| T-4-1 | 887 | 117 18 45 | 238 42 22 | 8.693 | 3 33 18 | 8.676 | -161924.996 | -45753.002 | 887 | 1.504 | 1.800 | 14.629 |
| T-4-1 | 888 | 134 22 15 | 255 45 52 | 10.991 | 3 30 16 | 10.970 | -161923.187 | -45756.221 | 888 | 1.504 | 1.800 | 14.761 |
| T-4-1 | 889 | 127 47 50 | 249 11 27 | 8.539 | 3 43 1 | 8.521 | -161923.516 | -45753.553 | 889 | 1.504 | 1.800 | 14.643 |
| T-4-1 | 890 | 130 23 0 | 251 46 37 | 8.911 | 3 43 4 | 8.892 | -161923.270 | -45754.034 | 890 | 1.504 | 1.800 | 14.667 |
| T-4-1 | 891 | 132 55 31 | 254 19 8 | 9.347 | 3 37 57 | 9.328 | -161923.010 | -45754.569 | 891 | 1.504 | 1.800 | 14.682 |
| T-4-1 | 892 | 135 28 16 | 256 51 53 | 9.736 | 3 37 57 | 9.716 | -161922.697 | -45755.050 | 892 | 1.504 | 1.800 | 14.706 |
| T-4-1 | 893 | 122 28 42 | 243 52 19 | 9.173 | 3 21 32 | 9.157 | -161924.522 | -45753.809 | 893 | 1.504 | 1.800 | 14.627 |
| T-4-1 | 894 | 149 7 12 | 270 30 49 | 5.956 | 3 43 26 | 5.943 | -161920.436 | -45751.531 | 894 | 1.504 | 1.800 | 14.476 |
| T-4-1 | 895 | 157 32 33 | 278 56 10 | 8.087 | 3 17 10 | 8.074 | -161919.235 | -45753.564 | 895 | 1.504 | 1.800 | 14.553 |
| T-4-1 | 896 | 155 46 38 | 277 10 15 | 17.724 | 3 2 33 | 17.699 | -161918.280 | -45763.149 | 896 | 1.504 | 1.800 | 15.030 |
| T-4-1 | 897 | 157 10 16 | 278 33 53 | 18.233 | 3 0 37 | 18.208 | -161917.777 | -45763.593 | 897 | 1.504 | 1.800 | 15.047 |
| T-4-1 | 898 | 158 51 48 | 280 15 25 | 19.874 | 2 53 34 | 19.849 | -161916.955 | -45765.120 | 898 | 1.504 | 1.800 | 15.092 |
| T-4-1 | 899 | 157 29 53 | 278 53 30 | 22.235 | 0 38 41 | 22.234 | -161917.052 | -45767.555 | 899 | 1.504 | 1.000 | 15.140 |

多角測量計算簿

路線名 L08080958

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|-----|-----------|-----------|--------|---------|--------|-------------|------------|-----|-------|-------|--------|
| T-4-1 | 900 | 157 47 7 | 279 10 44 | 22.393 | 2 2 41 | 22.379 | -161916.919 | -45767.680 | 900 | 1.504 | 1.000 | 15.688 |
| T-4-1 | 901 | 162 42 51 | 284 6 28 | 21.799 | 2 5 20 | 21.785 | -161915.179 | -45766.716 | 901 | 1.504 | 1.000 | 15.684 |
| T-4-1 | 902 | 170 36 39 | 292 0 16 | 21.053 | 0 24 51 | 21.052 | -161912.601 | -45765.107 | 902 | 1.504 | 1.000 | 15.042 |
| T-4-1 | 903 | 0 0 0 | 121 23 37 | 0.000 | 90 0 0 | 0.000 | -161920.489 | -45745.588 | 903 | 1.504 | 1.000 | 14.889 |
| T-4-1 | 904 | 170 38 48 | 292 2 25 | 21.209 | 0 26 47 | 21.208 | -161912.531 | -45765.246 | 904 | 1.504 | 1.000 | 15.055 |
| T-4-1 | 905 | 171 52 35 | 293 16 12 | 24.811 | 0 44 7 | 24.809 | -161910.688 | -45768.379 | 905 | 1.504 | 1.000 | 15.208 |
| T-4-1 | 906 | 172 53 2 | 294 16 39 | 28.785 | 0 47 19 | 28.782 | -161908.655 | -45771.825 | 906 | 1.504 | 1.000 | 15.286 |
| T-4-1 | 907 | 173 37 29 | 295 1 6 | 32.757 | 1 10 43 | 32.750 | -161906.639 | -45775.265 | 907 | 1.504 | 1.000 | 15.563 |
| T-4-1 | 908 | 173 23 9 | 294 46 46 | 32.785 | 1 24 57 | 32.775 | -161906.752 | -45775.345 | 908 | 1.504 | 1.000 | 15.700 |
| T-4-1 | 909 | 172 27 55 | 293 51 32 | 33.810 | 1 22 35 | 33.800 | -161906.817 | -45776.500 | 909 | 1.504 | 1.000 | 15.702 |
| T-4-1 | 910 | 172 53 44 | 294 17 21 | 35.530 | 1 22 23 | 35.520 | -161905.878 | -45777.964 | 910 | 1.504 | 1.000 | 15.741 |
| T-4-1 | 911 | 173 10 55 | 294 34 32 | 36.452 | 1 20 29 | 36.442 | -161905.333 | -45778.729 | 911 | 1.504 | 1.000 | 15.743 |
| T-4-1 | 912 | 173 50 58 | 295 14 35 | 36.730 | 1 21 20 | 36.720 | -161904.829 | -45778.802 | 912 | 1.504 | 1.000 | 15.758 |
| T-4-1 | 913 | 166 18 4 | 287 41 41 | 37.382 | 1 26 59 | 37.370 | -161909.131 | -45781.190 | 913 | 1.504 | 1.000 | 15.835 |
| T-4-1 | 914 | 169 43 39 | 291 7 16 | 37.017 | 1 31 23 | 37.004 | -161907.155 | -45780.106 | 914 | 1.504 | 1.000 | 15.873 |
| T-4-1 | 915 | 174 26 4 | 295 49 41 | 36.764 | 1 7 11 | 36.757 | -161904.475 | -45778.673 | 915 | 1.504 | 1.000 | 15.608 |
| T-4-1 | 916 | 174 51 30 | 296 15 7 | 39.736 | 1 39 17 | 39.719 | -161902.921 | -45781.210 | 916 | 1.504 | 1.400 | 15.637 |
| T-4-1 | 917 | 175 3 13 | 296 26 50 | 41.796 | 3 9 17 | 41.733 | -161901.902 | -45782.953 | 917 | 1.504 | 1.400 | 16.790 |
| T-4-1 | 918 | 175 19 59 | 296 43 36 | 43.774 | 3 0 5 | 43.714 | -161900.829 | -45784.632 | 918 | 1.504 | 1.400 | 16.781 |
| T-4-1 | 919 | 175 34 8 | 296 57 45 | 45.771 | 2 51 13 | 45.714 | -161899.762 | -45786.333 | 919 | 1.504 | 1.400 | 16.768 |
| T-4-1 | 920 | 175 48 18 | 297 11 55 | 47.749 | 2 44 53 | 47.694 | -161898.689 | -45788.008 | 920 | 1.504 | 1.400 | 16.779 |
| T-4-1 | 921 | 176 3 53 | 297 27 30 | 49.737 | 2 39 33 | 49.683 | -161897.580 | -45789.674 | 921 | 1.504 | 1.400 | 16.797 |
| T-4-1 | 922 | 176 15 32 | 297 39 9 | 51.737 | 2 33 39 | 51.685 | -161896.502 | -45791.370 | 922 | 1.504 | 1.400 | 16.801 |
| T-4-1 | 923 | 176 30 0 | 297 53 37 | 53.734 | 2 27 44 | 53.684 | -161895.374 | -45793.035 | 923 | 1.504 | 1.400 | 16.798 |
| T-4-1 | 924 | 176 43 15 | 298 6 52 | 55.724 | 2 22 46 | 55.676 | -161894.253 | -45794.695 | 924 | 1.504 | 1.400 | 16.803 |
| T-4-1 | 925 | 177 9 30 | 298 33 7 | 59.712 | 2 12 55 | 59.667 | -161891.971 | -45797.999 | 925 | 1.504 | 1.400 | 16.798 |
| T-4-1 | 926 | 177 22 5 | 298 45 42 | 56.960 | 1 43 18 | 56.934 | -161893.094 | -45795.498 | 926 | 1.504 | 1.400 | 16.201 |
| T-4-1 | 927 | 177 2 47 | 298 26 24 | 53.614 | 1 42 12 | 53.590 | -161894.967 | -45792.711 | 927 | 1.504 | 1.400 | 16.083 |
| T-4-1 | 928 | 176 49 41 | 298 13 18 | 51.638 | 1 41 35 | 51.615 | -161896.081 | -45791.067 | 928 | 1.504 | 1.400 | 16.015 |
| T-4-1 | 929 | 176 37 9 | 298 0 46 | 49.660 | 1 40 38 | 49.639 | -161897.175 | -45789.411 | 929 | 1.504 | 1.400 | 15.943 |
| T-4-1 | 930 | 176 24 29 | 297 48 6 | 47.637 | 1 39 47 | 47.617 | -161898.280 | -45787.708 | 930 | 1.504 | 1.400 | 15.872 |
| T-4-1 | 931 | 176 12 55 | 297 36 32 | 45.652 | 1 39 34 | 45.633 | -161899.341 | -45786.025 | 931 | 1.504 | 1.400 | 15.812 |
| T-4-1 | 932 | 175 59 30 | 297 23 7 | 43.657 | 1 39 9 | 43.639 | -161900.416 | -45784.337 | 932 | 1.504 | 1.400 | 15.748 |
| T-4-1 | 933 | 175 45 57 | 297 9 34 | 41.636 | 1 38 44 | 41.619 | -161901.491 | -45782.618 | 933 | 1.504 | 1.400 | 15.685 |

多角測量計算簿

路線名 L08080958

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|-----|-----------|-----------|--------|---------|--------|-------------|------------|-----|-------|-------|--------|
| T-4-1 | 934 | 175 31 57 | 296 55 34 | 39.624 | 1 38 2 | 39.608 | -161902.553 | -45780.902 | 934 | 1.504 | 1.400 | 15.619 |
| T-4-1 | 935 | 175 7 9 | 296 30 46 | 36.633 | 1 38 3 | 36.618 | -161904.143 | -45778.355 | 935 | 1.504 | 1.400 | 15.534 |
| T-4-1 | 936 | 174 33 56 | 295 57 33 | 33.142 | 1 37 42 | 33.129 | -161905.987 | -45775.375 | 936 | 1.504 | 1.400 | 15.431 |
| T-4-1 | 937 | 174 6 41 | 295 30 18 | 30.636 | 1 36 24 | 30.624 | -161907.303 | -45773.228 | 937 | 1.504 | 1.400 | 15.348 |
| T-4-1 | 938 | 173 44 8 | 295 7 45 | 28.670 | 1 35 54 | 28.659 | -161908.319 | -45771.535 | 938 | 1.504 | 1.400 | 15.289 |
| T-4-1 | 939 | 172 53 51 | 294 17 28 | 24.653 | 1 33 22 | 24.644 | -161910.351 | -45768.050 | 939 | 1.504 | 1.400 | 15.159 |
| T-4-1 | 940 | 174 52 45 | 296 16 22 | 14.294 | 1 31 29 | 14.289 | -161914.164 | -45758.401 | 940 | 1.504 | 1.400 | 14.870 |
| T-4-1 | 941 | 198 50 46 | 320 14 23 | 4.468 | -0 9 38 | 4.468 | -161917.054 | -45748.446 | 941 | 1.504 | 1.400 | 14.477 |
| T-4-1 | 942 | 192 42 17 | 314 5 54 | 6.377 | 0 32 1 | 6.377 | -161916.051 | -45750.168 | 942 | 1.504 | 1.400 | 14.549 |
| T-4-1 | 943 | 188 54 43 | 310 18 20 | 8.621 | 1 1 26 | 8.620 | -161914.913 | -45752.162 | 943 | 1.504 | 1.400 | 14.644 |
| T-4-1 | 944 | 185 22 51 | 306 46 28 | 12.864 | 1 24 50 | 12.860 | -161912.790 | -45755.889 | 944 | 1.504 | 1.400 | 14.807 |
| T-4-1 | 945 | 183 55 3 | 305 18 40 | 16.465 | 1 30 21 | 16.459 | -161910.976 | -45759.019 | 945 | 1.504 | 1.400 | 14.922 |
| T-4-1 | 946 | 182 41 3 | 304 4 40 | 21.692 | 1 37 35 | 21.683 | -161908.340 | -45763.548 | 946 | 1.504 | 1.400 | 15.105 |
| T-4-1 | 947 | 182 8 6 | 303 31 43 | 21.753 | 1 47 54 | 21.742 | -161908.480 | -45763.712 | 947 | 1.504 | 1.400 | 15.172 |
| T-4-1 | 948 | 179 8 20 | 300 31 57 | 21.637 | 1 42 35 | 21.627 | -161909.502 | -45764.216 | 948 | 1.504 | 1.400 | 15.135 |
| T-4-1 | 949 | 178 41 45 | 300 5 22 | 21.830 | 1 42 52 | 21.820 | -161909.550 | -45764.468 | 949 | 1.504 | 1.400 | 15.143 |
| T-4-1 | 950 | 178 46 17 | 300 9 54 | 24.508 | 1 37 56 | 24.498 | -161908.179 | -45766.769 | 950 | 1.504 | 1.400 | 15.188 |
| T-4-1 | 951 | 178 47 8 | 300 10 45 | 28.805 | 1 44 55 | 28.792 | -161906.015 | -45770.478 | 951 | 1.504 | 1.400 | 15.368 |
| T-4-1 | 952 | 178 49 40 | 300 13 17 | 31.959 | 1 43 18 | 31.945 | -161904.410 | -45773.191 | 952 | 1.504 | 1.400 | 15.450 |
| T-4-1 | 953 | 179 6 31 | 300 30 8 | 32.129 | 1 43 59 | 32.114 | -161904.189 | -45773.258 | 953 | 1.504 | 1.400 | 15.461 |
| T-4-1 | 954 | 181 10 3 | 302 33 40 | 32.148 | 1 47 49 | 32.132 | -161903.196 | -45772.669 | 954 | 1.504 | 1.400 | 15.498 |
| T-4-1 | 955 | 182 9 8 | 303 32 45 | 24.792 | 1 37 59 | 24.782 | -161906.794 | -45766.242 | 955 | 1.504 | 1.400 | 15.196 |
| T-4-1 | 956 | 181 45 17 | 303 8 54 | 29.082 | 1 38 44 | 29.070 | -161904.593 | -45769.927 | 956 | 1.504 | 1.400 | 15.325 |
| T-4-1 | 957 | 181 35 9 | 302 58 46 | 32.137 | 1 39 28 | 32.124 | -161903.003 | -45772.536 | 957 | 1.504 | 1.400 | 15.419 |
| T-4-1 | 958 | 181 17 59 | 302 41 36 | 37.389 | 1 40 53 | 37.373 | -161900.302 | -45777.040 | 958 | 1.504 | 1.400 | 15.587 |
| T-4-1 | 959 | 181 0 26 | 302 24 3 | 37.359 | 1 44 35 | 37.342 | -161900.480 | -45777.117 | 959 | 1.504 | 1.400 | 15.626 |
| T-4-1 | 960 | 179 15 50 | 300 39 27 | 37.303 | 1 42 59 | 37.286 | -161901.477 | -45777.663 | 960 | 1.504 | 1.400 | 15.607 |
| T-4-1 | 961 | 179 4 30 | 300 28 7 | 37.398 | 1 42 47 | 37.381 | -161901.534 | -45777.807 | 961 | 1.504 | 1.400 | 15.607 |
| T-4-1 | 962 | 179 8 35 | 300 32 12 | 41.347 | 1 43 28 | 41.328 | -161899.491 | -45781.184 | 962 | 1.504 | 1.400 | 15.734 |
| T-4-1 | 963 | 179 20 56 | 300 44 33 | 46.258 | 1 44 10 | 46.237 | -161896.854 | -45785.328 | 963 | 1.504 | 1.400 | 15.891 |
| T-4-1 | 964 | 179 35 27 | 300 59 4 | 51.150 | 1 46 5 | 51.126 | -161894.169 | -45789.419 | 964 | 1.504 | 1.400 | 16.068 |
| T-4-1 | 965 | 179 49 8 | 301 12 45 | 55.433 | 1 47 58 | 55.406 | -161891.777 | -45792.974 | 965 | 1.504 | 1.400 | 16.230 |
| T-4-1 | 966 | 179 53 28 | 301 17 5 | 57.032 | 1 48 48 | 57.003 | -161890.888 | -45794.303 | 966 | 1.504 | 1.400 | 16.294 |
| T-4-1 | 967 | 180 2 6 | 301 25 43 | 57.150 | 1 49 11 | 57.121 | -161890.704 | -45794.329 | 967 | 1.504 | 1.400 | 16.304 |

多角測量計算簿

路線名 L08080958

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|-----|-----------|-----------|--------|----------|--------|-------------|------------|-----|-------|-------|--------|
| T-4-1 | 968 | 181 15 37 | 302 39 14 | 57.126 | 1 50 37 | 57.096 | -161889.682 | -45793.660 | 968 | 1.504 | 1.400 | 16.327 |
| T-4-1 | 969 | 181 13 43 | 302 37 20 | 41.038 | 1 40 48 | 41.020 | -161898.375 | -45780.137 | 969 | 1.504 | 1.400 | 15.693 |
| T-4-1 | 970 | 181 11 36 | 302 35 13 | 46.512 | 1 41 17 | 46.492 | -161895.449 | -45784.761 | 970 | 1.504 | 1.400 | 15.860 |
| T-4-1 | 971 | 181 15 42 | 302 39 19 | 51.418 | 1 42 44 | 51.395 | -161892.757 | -45788.859 | 971 | 1.504 | 1.400 | 16.026 |
| T-4-1 | 972 | 181 22 13 | 302 45 50 | 55.709 | 1 44 29 | 55.683 | -161890.355 | -45792.412 | 972 | 1.504 | 1.400 | 16.182 |
| T-4-1 | 973 | 181 26 54 | 302 50 31 | 57.134 | 1 45 25 | 57.107 | -161889.519 | -45793.568 | 973 | 1.504 | 1.400 | 16.241 |
| T-4-1 | 974 | 181 26 5 | 302 49 42 | 57.770 | 1 46 31 | 57.742 | -161889.186 | -45794.109 | 974 | 1.504 | 1.400 | 16.279 |
| T-4-1 | 975 | 180 57 13 | 302 20 50 | 58.910 | 1 48 49 | 58.880 | -161888.985 | -45795.331 | 975 | 1.504 | 1.400 | 16.354 |
| T-4-1 | t68 | 81 34 45 | 202 58 22 | 6.384 | -2 59 35 | 6.375 | -161926.358 | -45748.076 | t68 | 1.504 | 1.000 | 14.556 |
| T-4-1 | t69 | 156 3 4 | 277 26 41 | 13.489 | -0 12 5 | 13.489 | -161918.741 | -45758.963 | t69 | 1.504 | 1.000 | 14.842 |
| T-4-1 | t70 | 175 20 11 | 296 43 48 | 18.302 | 0 18 30 | 18.302 | -161912.257 | -45761.934 | t70 | 1.504 | 1.000 | 14.988 |
| T-4-1 | t71 | 170 4 10 | 291 27 47 | 18.199 | -1 21 39 | 18.194 | -161913.832 | -45762.520 | t71 | 1.504 | 1.000 | 14.457 |
| T-4-1 | t72 | 165 14 54 | 286 38 31 | 29.337 | 1 38 52 | 29.325 | -161912.091 | -45773.685 | t72 | 1.504 | 1.000 | 15.733 |
| T-4-1 | t73 | 176 33 18 | 297 56 55 | 32.076 | 0 58 6 | 32.071 | -161905.458 | -45773.919 | t73 | 1.504 | 1.000 | 15.432 |
| T-4-1 | t74 | 173 57 33 | 295 21 10 | 32.139 | 0 1 58 | 32.139 | -161906.727 | -45774.632 | t74 | 1.504 | 1.000 | 14.908 |
| T-4-1 | t75 | 178 28 26 | 299 52 3 | 55.966 | 1 20 50 | 55.951 | -161892.626 | -45794.108 | t75 | 1.504 | 1.000 | 16.205 |
| T-4-1 | t76 | 177 4 29 | 298 28 6 | 56.105 | 0 47 53 | 56.100 | -161893.748 | -45794.904 | t76 | 1.504 | 1.000 | 15.671 |
| T-4-1 | t77 | 173 47 4 | 295 10 41 | 53.137 | 2 0 17 | 53.104 | -161897.897 | -45793.647 | t77 | 1.504 | 1.000 | 16.748 |
| T-4-1 | t78 | 169 45 52 | 291 9 29 | 43.415 | 2 28 14 | 43.375 | -161904.833 | -45786.039 | t78 | 1.504 | 1.000 | 16.761 |
| T-4-1 | 976 | 140 10 7 | 261 33 44 | 6.861 | -2 42 32 | 6.853 | -161921.495 | -45752.367 | 976 | 1.504 | 1.000 | 14.565 |
| T-4-1 | 977 | 114 9 33 | 235 33 10 | 4.699 | 1 25 57 | 4.698 | -161923.146 | -45749.462 | 977 | 1.504 | 1.000 | 15.007 |
| T-4-1 | 978 | 128 18 12 | 249 41 49 | 5.510 | 1 25 57 | 5.508 | -161922.400 | -45750.754 | 978 | 1.504 | 1.000 | 15.027 |
| T-4-1 | 979 | 113 9 15 | 234 32 52 | 15.972 | 8 14 19 | 15.807 | -161929.658 | -45758.464 | 979 | 1.504 | 1.000 | 17.178 |
| T-4-1 | 980 | 125 26 16 | 246 49 53 | 11.355 | 11 29 31 | 11.127 | -161924.867 | -45755.818 | 980 | 1.504 | 1.000 | 17.152 |
| T-4-1 | 981 | 127 52 51 | 249 16 28 | 11.338 | 11 29 39 | 11.111 | -161924.421 | -45755.980 | 981 | 1.504 | 1.000 | 17.149 |
| T-4-1 | 982 | 128 35 50 | 249 59 27 | 11.236 | 11 36 33 | 11.006 | -161924.255 | -45755.930 | 982 | 1.504 | 1.000 | 17.151 |
| T-4-1 | 983 | 129 46 56 | 251 10 33 | 10.999 | 12 0 4 | 10.759 | -161923.961 | -45755.772 | 983 | 1.504 | 1.000 | 17.177 |
| T-4-1 | 984 | 132 38 49 | 254 2 26 | 11.530 | 12 0 6 | 11.278 | -161923.590 | -45756.431 | 984 | 1.504 | 1.000 | 17.287 |
| T-4-1 | 985 | 134 15 15 | 255 38 52 | 11.230 | 12 0 15 | 10.984 | -161923.212 | -45756.229 | 985 | 1.504 | 1.000 | 17.225 |
| T-4-1 | 986 | 155 56 14 | 277 19 51 | 20.637 | 7 23 43 | 20.465 | -161917.878 | -45765.886 | 986 | 1.504 | 1.000 | 17.546 |
| T-4-1 | 987 | 261 5 14 | 22 28 51 | 9.709 | -2 32 35 | 9.699 | -161911.527 | -45741.879 | 987 | 1.504 | 1.000 | 14.459 |
| T-4-1 | 988 | 259 9 31 | 20 33 8 | 9.216 | -2 39 30 | 9.206 | -161911.869 | -45742.356 | 988 | 1.504 | 1.000 | 14.462 |
| T-4-1 | 989 | 255 25 41 | 16 49 18 | 9.073 | -2 50 43 | 9.062 | -161911.815 | -45742.966 | 989 | 1.504 | 1.000 | 14.439 |
| T-4-1 | 990 | 233 59 54 | 355 23 31 | 10.735 | -1 40 7 | 10.730 | -161909.794 | -45746.450 | 990 | 1.504 | 1.000 | 14.577 |

多角測量計算簿

路線名 L08080958

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-4-1 | 991 | 236 32 0 | 357 55 37 | 11.361 | -0 36 32 | 11.360 | -161909.137 | -45745.999 | 991 | 1.504 | 1.000 | 14.769 |
| T-4-1 | 992 | 231 29 47 | 352 53 24 | 12.087 | -0 24 14 | 12.087 | -161908.495 | -45747.084 | 992 | 1.504 | 1.000 | 14.804 |
| T-4-1 | 993 | 233 52 4 | 355 15 41 | 10.780 | -1 41 25 | 10.775 | -161909.751 | -45746.478 | 993 | 1.504 | 1.000 | 14.572 |
| T-4-1 | 994 | 229 43 15 | 351 6 52 | 11.332 | -1 26 59 | 11.328 | -161909.297 | -45747.338 | 994 | 1.504 | 1.000 | 14.603 |
| T-4-1 | 995 | 217 59 21 | 339 22 58 | 13.938 | -0 47 21 | 13.937 | -161907.445 | -45750.496 | 995 | 1.504 | 1.000 | 14.698 |
| T-4-1 | 996 | 208 55 37 | 330 19 14 | 17.454 | -0 15 25 | 17.454 | -161905.325 | -45754.230 | 996 | 1.504 | 1.000 | 14.811 |
| T-4-1 | 997 | 205 50 49 | 327 14 26 | 19.245 | -0 3 7 | 19.245 | -161904.305 | -45756.002 | 997 | 1.504 | 1.000 | 14.872 |
| T-4-1 | 998 | 208 13 39 | 329 37 16 | 19.458 | 0 28 7 | 19.457 | -161903.704 | -45755.428 | 998 | 1.504 | 1.000 | 15.049 |
| T-4-1 | 999 | 208 13 39 | 329 37 16 | 19.458 | 0 28 7 | 19.457 | -161903.704 | -45755.428 | 999 | 1.504 | 1.000 | 15.049 |
| T-4-1 | 1000 | 206 21 23 | 327 45 0 | 20.677 | 0 32 33 | 20.676 | -161903.003 | -45756.621 | 1000 | 1.504 | 1.000 | 15.085 |
| T-4-1 | 1001 | 204 29 56 | 325 53 33 | 20.150 | -0 1 45 | 20.150 | -161903.805 | -45756.887 | 1001 | 1.504 | 1.000 | 14.879 |
| T-4-1 | 1002 | 200 6 36 | 321 30 13 | 24.076 | 0 19 23 | 24.076 | -161901.646 | -45760.575 | 1002 | 1.504 | 1.000 | 15.025 |
| T-4-1 | 1003 | 196 5 43 | 317 29 20 | 29.493 | 0 31 34 | 29.492 | -161898.749 | -45765.517 | 1003 | 1.504 | 1.000 | 15.160 |
| T-4-1 | 1004 | 196 28 58 | 317 52 35 | 29.368 | 0 54 48 | 29.364 | -161898.710 | -45765.283 | 1004 | 1.504 | 1.000 | 15.358 |
| T-4-1 | 1005 | 195 41 39 | 317 5 16 | 30.695 | 0 56 31 | 30.691 | -161898.011 | -45766.485 | 1005 | 1.504 | 1.000 | 15.394 |
| T-4-1 | 1006 | 195 31 26 | 316 55 3 | 30.473 | 0 33 25 | 30.472 | -161898.233 | -45766.402 | 1006 | 1.504 | 1.000 | 15.186 |
| T-4-1 | 1007 | 193 21 40 | 314 45 17 | 35.197 | 0 42 50 | 35.194 | -161895.710 | -45770.580 | 1007 | 1.504 | 1.000 | 15.328 |
| T-4-1 | 1008 | 191 40 54 | 313 4 31 | 40.201 | 0 47 18 | 40.197 | -161893.036 | -45774.950 | 1008 | 1.504 | 1.000 | 15.443 |
| T-4-1 | 1009 | 191 54 21 | 313 17 58 | 40.039 | 1 6 20 | 40.032 | -161893.035 | -45774.722 | 1009 | 1.504 | 1.000 | 15.662 |
| T-4-1 | 1010 | 191 31 58 | 312 55 35 | 41.390 | 1 7 43 | 41.382 | -161892.306 | -45775.889 | 1010 | 1.504 | 1.000 | 15.705 |
| T-4-1 | 1011 | 191 24 7 | 312 47 44 | 41.198 | 0 49 34 | 41.194 | -161892.503 | -45775.815 | 1011 | 1.504 | 1.000 | 15.483 |
| T-4-1 | 1012 | 190 3 21 | 311 26 58 | 47.223 | 0 58 3 | 47.216 | -161889.234 | -45780.978 | 1012 | 1.504 | 1.000 | 15.687 |
| T-4-1 | 1013 | 189 27 1 | 310 50 38 | 51.074 | 0 58 24 | 51.067 | -161887.091 | -45784.220 | 1013 | 1.504 | 1.000 | 15.757 |
| T-4-1 | 1014 | 189 38 40 | 311 2 17 | 50.913 | 1 12 13 | 50.902 | -161887.069 | -45783.982 | 1014 | 1.504 | 1.000 | 15.959 |
| T-4-1 | 1015 | 189 25 36 | 310 49 13 | 52.290 | 1 12 43 | 52.278 | -161886.316 | -45785.150 | 1015 | 1.504 | 1.000 | 15.995 |
| T-4-1 | 1016 | 189 18 7 | 310 41 44 | 52.091 | 0 58 38 | 52.083 | -161886.529 | -45785.077 | 1016 | 1.504 | 1.000 | 15.778 |
| T-4-1 | 1017 | 188 55 11 | 310 18 48 | 55.130 | 1 1 5 | 55.121 | -161884.828 | -45787.619 | 1017 | 1.504 | 1.000 | 15.869 |
| T-4-1 | 1018 | 188 43 49 | 310 7 26 | 57.058 | 1 1 0 | 57.049 | -161883.724 | -45789.211 | 1018 | 1.504 | 1.000 | 15.902 |
| T-4-1 | 1019 | 189 33 44 | 310 57 21 | 56.914 | 1 12 24 | 56.901 | -161883.192 | -45788.561 | 1019 | 1.504 | 1.000 | 16.088 |
| T-4-1 | 1020 | 189 24 30 | 310 48 7 | 58.349 | 1 12 10 | 58.336 | -161882.370 | -45789.747 | 1020 | 1.504 | 1.000 | 16.114 |
| T-4-1 | 1021 | 188 38 9 | 310 1 46 | 58.099 | 1 2 41 | 58.089 | -161883.127 | -45790.068 | 1021 | 1.504 | 1.000 | 15.949 |
| T-4-1 | 1022 | 188 44 19 | 310 7 56 | 58.651 | 1 1 30 | 58.642 | -161882.691 | -45790.423 | 1022 | 1.504 | 1.000 | 15.939 |
| T-4-1 | 1023 | 189 16 45 | 310 40 22 | 58.905 | 1 0 10 | 58.896 | -161882.104 | -45790.257 | 1023 | 1.504 | 1.000 | 15.920 |
| T-4-1 | 1024 | 189 48 55 | 311 12 32 | 58.727 | 0 58 58 | 58.718 | -161881.805 | -45789.762 | 1024 | 1.504 | 1.000 | 15.897 |

多角測量計算簿

路線名 L08080958

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-4-1 | 1025 | 190 6 37 | 311 30 14 | 58.221 | 0 57 47 | 58.213 | -161881.913 | -45789.184 | 1025 | 1.504 | 1.000 | 15.868 |
| T-4-1 | 1026 | 190 44 44 | 312 8 21 | 53.551 | 0 55 40 | 53.544 | -161884.565 | -45785.292 | 1026 | 1.504 | 1.000 | 15.757 |
| T-4-1 | 1027 | 191 29 3 | 312 52 40 | 49.315 | 0 52 29 | 49.309 | -161886.937 | -45781.722 | 1027 | 1.504 | 1.000 | 15.642 |
| T-4-1 | 1028 | 192 34 37 | 313 58 14 | 44.519 | 0 48 51 | 44.515 | -161889.583 | -45777.625 | 1028 | 1.504 | 1.000 | 15.522 |
| T-4-1 | 1029 | 194 1 59 | 315 25 36 | 39.730 | 0 43 7 | 39.727 | -161892.189 | -45773.469 | 1029 | 1.504 | 1.000 | 15.388 |
| T-4-1 | 1030 | 195 58 45 | 317 22 22 | 35.001 | 0 35 7 | 34.999 | -161894.738 | -45769.290 | 1030 | 1.504 | 1.000 | 15.247 |
| T-4-1 | 1031 | 198 11 12 | 319 34 49 | 30.922 | 0 28 2 | 30.921 | -161896.948 | -45765.637 | 1031 | 1.504 | 1.000 | 15.142 |
| T-4-1 | 1032 | 199 49 22 | 321 12 59 | 28.596 | 0 23 18 | 28.595 | -161898.199 | -45763.499 | 1032 | 1.504 | 1.000 | 15.083 |
| T-4-1 | 1033 | 205 14 50 | 326 38 27 | 23.011 | 0 5 36 | 23.011 | -161901.269 | -45758.241 | 1033 | 1.504 | 1.000 | 14.927 |
| T-4-1 | 1034 | 214 8 19 | 335 31 56 | 17.744 | -0 20 41 | 17.744 | -161904.339 | -45752.937 | 1034 | 1.504 | 1.000 | 14.783 |
| T-4-1 | 1035 | 234 0 8 | 355 23 45 | 12.549 | -1 26 36 | 12.545 | -161907.985 | -45746.595 | 1035 | 1.504 | 1.000 | 14.573 |
| T-4-1 | 1036 | 257 30 8 | 18 53 45 | 10.550 | -2 20 3 | 10.541 | -161910.516 | -45742.174 | 1036 | 1.504 | 1.000 | 14.460 |
| T-4-1 | 1037 | 260 15 43 | 21 39 20 | 10.270 | -2 23 8 | 10.261 | -161910.952 | -45741.801 | 1037 | 1.504 | 1.000 | 14.462 |
| T-4-1 | 1038 | 255 56 29 | 17 20 6 | 5.680 | -14 56 18 | 5.488 | -161915.250 | -45743.953 | 1038 | 1.504 | 1.000 | 13.425 |
| T-4-1 | 1039 | 219 18 12 | 340 41 49 | 8.303 | -9 6 26 | 8.198 | -161912.752 | -45748.298 | 1039 | 1.504 | 1.000 | 13.575 |
| T-4-1 | 1040 | 203 50 22 | 325 13 59 | 12.585 | -5 18 54 | 12.531 | -161910.195 | -45752.734 | 1040 | 1.504 | 1.000 | 13.724 |
| T-4-1 | 1041 | 203 50 22 | 325 13 59 | 12.588 | -5 18 45 | 12.534 | -161910.193 | -45752.735 | 1041 | 1.504 | 1.000 | 13.724 |
| T-4-1 | 1042 | 203 50 22 | 325 13 59 | 12.588 | -5 18 46 | 12.534 | -161910.193 | -45752.735 | 1042 | 1.504 | 1.000 | 13.724 |
| T-4-1 | 1043 | 196 46 10 | 318 9 47 | 17.171 | -3 20 55 | 17.142 | -161907.717 | -45757.022 | 1043 | 1.504 | 1.000 | 13.887 |
| T-4-1 | 1044 | 191 22 9 | 312 45 46 | 22.040 | -2 5 56 | 22.025 | -161905.535 | -45761.758 | 1044 | 1.504 | 1.000 | 14.082 |
| T-4-1 | 1045 | 190 5 46 | 311 29 23 | 26.910 | -1 30 40 | 26.901 | -161902.668 | -45765.739 | 1045 | 1.504 | 1.000 | 14.180 |
| T-4-1 | 1046 | 192 37 56 | 314 1 33 | 22.055 | -2 12 50 | 22.039 | -161905.172 | -45761.435 | 1046 | 1.504 | 1.000 | 14.037 |
| T-4-1 | 1047 | 188 21 33 | 309 45 10 | 31.954 | -1 0 10 | 31.949 | -161900.058 | -45770.151 | 1047 | 1.504 | 1.000 | 14.330 |
| T-4-1 | 1048 | 187 13 42 | 308 37 19 | 36.813 | -0 39 45 | 36.811 | -161897.512 | -45774.348 | 1048 | 1.504 | 1.000 | 14.464 |
| T-4-1 | 1049 | 186 25 8 | 307 48 45 | 41.892 | -0 23 1 | 41.891 | -161894.807 | -45778.683 | 1049 | 1.504 | 1.000 | 14.609 |
| T-4-1 | 1050 | 185 26 48 | 306 50 25 | 52.006 | 0 2 20 | 52.006 | -161889.307 | -45787.209 | 1050 | 1.504 | 1.000 | 14.925 |
| T-4-1 | 1051 | 185 51 45 | 307 15 22 | 46.276 | -0 10 21 | 46.276 | -161892.475 | -45782.421 | 1051 | 1.504 | 1.000 | 14.750 |
| T-4-1 | 1052 | 180 15 47 | 301 39 24 | 22.790 | 1 0 8 | 22.787 | -161908.530 | -45764.985 | 1052 | 1.504 | 1.000 | 15.288 |
| T-4-1 | 1053 | 179 59 41 | 301 23 18 | 30.196 | 4 5 33 | 30.119 | -161904.802 | -45771.299 | 1053 | 1.504 | 1.000 | 17.044 |
| T-4-1 | 1054 | 180 36 30 | 302 0 7 | 37.876 | 2 5 56 | 37.851 | -161900.430 | -45777.687 | 1054 | 1.504 | 1.000 | 16.277 |
| T-4-1 | 1055 | 198 1 31 | 319 25 8 | 57.124 | 1 34 34 | 57.102 | -161877.121 | -45782.734 | 1055 | 1.504 | 1.000 | 16.461 |
| T-4-1 | 1056 | 203 1 17 | 324 24 54 | 44.217 | 1 40 12 | 44.198 | -161884.545 | -45771.307 | 1056 | 1.504 | 1.000 | 16.178 |
| T-4-1 | 1057 | 199 22 32 | 320 46 9 | 54.169 | 0 47 37 | 54.164 | -161878.533 | -45779.844 | 1057 | 1.504 | 1.000 | 15.640 |
| T-4-1 | 1058 | 205 7 48 | 326 31 25 | 41.825 | 0 35 19 | 41.823 | -161885.604 | -45768.657 | 1058 | 1.504 | 1.000 | 15.319 |

多角測量計算簿

路線名 L08080958

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|-------|-----------|-----------|--------|----------|--------|-------------|------------|-------|-------|-------|--------|
| T-4-1 | 1059 | 214 22 43 | 335 46 20 | 31.467 | 2 15 9 | 31.443 | -161891.816 | -45758.491 | 1059 | 1.504 | 1.000 | 16.126 |
| T-4-1 | 1060 | 230 46 11 | 352 9 48 | 23.385 | 1 40 31 | 23.375 | -161897.332 | -45748.775 | 1060 | 1.504 | 1.000 | 15.573 |
| T-4-1 | 1061 | 240 2 53 | 1 26 30 | 25.732 | -0 35 40 | 25.731 | -161894.766 | -45744.941 | 1061 | 1.504 | 1.000 | 14.623 |
| T-4-1 | 1062 | 220 14 45 | 341 38 22 | 33.566 | 5 6 38 | 33.433 | -161888.758 | -45756.119 | 1062 | 1.504 | 1.000 | 17.879 |
| T-4-1 | 1063 | 219 14 20 | 340 37 57 | 33.011 | 5 13 41 | 32.874 | -161889.475 | -45756.490 | 1063 | 1.504 | 1.000 | 17.897 |
| T-4-1 | 1064 | 218 56 20 | 340 19 57 | 33.208 | 5 13 30 | 33.070 | -161889.348 | -45756.718 | 1064 | 1.504 | 1.000 | 17.914 |
| T-4-1 | 1065 | 212 19 8 | 333 42 45 | 51.191 | 2 39 5 | 51.136 | -161874.641 | -45768.235 | 1065 | 1.504 | 1.000 | 17.258 |
| T-4-1 | 1066 | 211 30 55 | 332 54 32 | 50.819 | 2 56 17 | 50.752 | -161875.305 | -45768.701 | 1066 | 1.504 | 1.000 | 17.494 |
| T-4-1 | 1067 | 210 27 27 | 331 51 4 | 52.670 | 2 51 18 | 52.605 | -161874.106 | -45770.405 | 1067 | 1.504 | 1.000 | 17.513 |
| T-4-1 | 1068 | 211 13 17 | 332 36 54 | 53.059 | 3 19 15 | 52.970 | -161873.455 | -45769.952 | 1068 | 1.504 | 1.000 | 17.963 |
| T-4-1 | 1069 | 200 37 22 | 322 0 59 | 63.699 | 7 49 35 | 63.106 | -161870.750 | -45784.426 | 1069 | 1.504 | 1.000 | 23.563 |
| T-4-1 | 1070 | 286 40 8 | 48 3 45 | 52.751 | 2 4 24 | 52.716 | -161885.258 | -45706.374 | 1070 | 1.504 | 1.000 | 16.798 |
| T-4-1 | 1071 | 288 13 43 | 49 37 20 | 52.918 | 1 39 14 | 52.896 | -161886.222 | -45705.292 | 1071 | 1.504 | 1.000 | 16.417 |
| T-4-1 | 1072 | 61 36 46 | 183 0 23 | 15.714 | 17 40 21 | 14.972 | -161935.440 | -45746.373 | 1072 | 1.504 | 1.000 | 19.660 |
| T-4-1 | 1073 | 170 22 29 | 291 46 6 | 21.123 | 1 18 47 | 21.117 | -161912.658 | -45765.199 | 1073 | 1.504 | 1.000 | 15.374 |
| T-4-1 | 1074 | 165 4 51 | 286 28 28 | 21.459 | 1 13 37 | 21.454 | -161914.405 | -45766.161 | 1074 | 1.504 | 1.000 | 15.349 |
| T-5 | T-4 | | 121 14 28 | | | | -161890.759 | -45794.758 | T-5 | | | 17.857 |
| T-5 | 1075 | 23 22 24 | 144 36 52 | 42.915 | 6 57 48 | 42.598 | -161925.488 | -45770.091 | 1075 | 1.466 | 1.000 | 23.526 |
| T-5 | 1076 | 326 4 43 | 87 19 11 | 42.922 | -1 1 46 | 42.915 | -161888.752 | -45751.890 | 1076 | 1.466 | 1.000 | 17.552 |
| T-5 | 1077 | 326 2 57 | 87 17 25 | 42.932 | -1 1 47 | 42.925 | -161888.730 | -45751.881 | 1077 | 1.466 | 1.000 | 17.551 |
| T-5 | 1078 | 314 20 8 | 75 34 36 | 51.686 | 1 55 40 | 51.657 | -161877.892 | -45744.729 | 1078 | 1.466 | 1.000 | 20.062 |
| T-5 | T-5-1 | 268 27 57 | 29 42 25 | 19.233 | -5 7 36 | 19.156 | -161874.121 | -45785.265 | T-5-1 | 1.466 | 0.500 | 17.104 |
| T-5 | T-5-2 | 268 27 56 | 29 42 24 | 19.231 | -5 7 34 | 19.154 | -161874.122 | -45785.266 | T-5-2 | 1.466 | 0.500 | 17.105 |
| T-5 | 1079 | 266 7 8 | 27 21 36 | 23.419 | 15 33 54 | 22.560 | -161870.723 | -45784.390 | 1079 | 1.466 | 0.500 | 25.107 |
| T-5 | 1080 | 265 18 51 | 26 33 19 | 23.598 | 15 26 42 | 22.746 | -161870.413 | -45784.589 | 1080 | 1.466 | 0.500 | 25.107 |
| T-5 | 1081 | 265 5 39 | 26 20 7 | 23.970 | 15 11 39 | 23.132 | -161870.028 | -45784.496 | 1081 | 1.466 | 0.500 | 25.105 |
| T-5 | 1082 | 265 11 27 | 26 25 55 | 24.240 | 15 1 6 | 23.412 | -161869.794 | -45784.336 | 1082 | 1.466 | 0.500 | 25.104 |
| T-5 | 1083 | 266 51 55 | 28 6 23 | 30.293 | 11 57 42 | 29.635 | -161864.619 | -45780.797 | 1083 | 1.466 | 0.500 | 25.101 |
| T-5 | 1084 | 239 35 7 | 0 49 35 | 38.551 | 6 40 3 | 38.290 | -161852.473 | -45794.206 | 1084 | 1.466 | 0.500 | 23.299 |
| T-5 | 1085 | 231 56 41 | 353 11 9 | 32.516 | 7 57 9 | 32.203 | -161858.783 | -45798.579 | 1085 | 1.466 | 0.500 | 23.322 |
| T-5 | T-5-3 | 221 0 48 | 342 15 16 | 38.610 | -1 21 15 | 38.599 | -161853.997 | -45806.523 | T-5-3 | 1.466 | 0.500 | 17.911 |
| T-5 | 1086 | 229 7 4 | 350 21 32 | 1.366 | 0 34 43 | 1.366 | -161889.412 | -45794.987 | 1086 | 1.466 | 0.500 | 18.837 |
| T-5 | 1087 | 177 51 13 | 299 5 41 | 21.939 | 13 0 7 | 21.377 | -161880.364 | -45813.438 | 1087 | 1.466 | 0.500 | 23.759 |

多角測量計算簿

路線名 L08080958

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|-------|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-5 | 1088 | 177 29 5 | 298 43 33 | 20.797 | 15 9 43 | 20.073 | -161881.112 | -45812.361 | 1088 | 1.466 | 0.500 | 24.262 |
| T-5 | 1089 | 173 9 24 | 294 23 52 | 14.863 | 21 35 36 | 13.820 | -161885.050 | -45807.344 | 1089 | 1.466 | 0.500 | 24.293 |
| T-5 | 1090 | 144 59 17 | 266 13 45 | 18.854 | 16 49 40 | 18.047 | -161891.946 | -45812.766 | 1090 | 1.466 | 0.500 | 24.281 |
| T-5 | 1091 | 151 39 6 | 272 53 34 | 16.732 | 4 54 17 | 16.671 | -161889.918 | -45811.408 | 1091 | 1.466 | 0.500 | 20.254 |
| T-5 | 1092 | 141 16 18 | 262 30 46 | 13.167 | 6 18 50 | 13.087 | -161892.464 | -45807.733 | 1092 | 1.466 | 0.500 | 20.271 |
| T-5 | 1093 | 133 40 14 | 254 54 42 | 15.041 | 3 31 58 | 15.012 | -161894.667 | -45809.252 | 1093 | 1.466 | 0.500 | 19.750 |
| T-5 | T-5-4 | 187 59 35 | 309 14 3 | 44.133 | 0 53 37 | 44.128 | -161862.848 | -45828.938 | T-5-4 | 1.466 | 0.800 | 19.211 |
| T-5 | 1094 | 147 27 25 | 268 41 53 | 4.681 | 0 5 11 | 4.681 | -161890.865 | -45799.438 | 1094 | 1.466 | 0.800 | 18.530 |
| T-5 | 1095 | 124 58 33 | 246 13 1 | 7.220 | 0 3 17 | 7.220 | -161893.671 | -45801.365 | 1095 | 1.466 | 0.800 | 18.530 |
| T-5 | 1096 | 109 39 35 | 230 54 3 | 13.478 | -0 37 38 | 13.477 | -161899.258 | -45805.217 | 1096 | 1.466 | 0.800 | 18.375 |
| T-5 | 1097 | 111 24 39 | 232 39 7 | 13.728 | -0 44 34 | 13.727 | -161899.087 | -45805.670 | 1097 | 1.466 | 0.800 | 18.345 |
| T-5 | 1098 | 120 54 55 | 242 9 23 | 9.255 | -1 0 9 | 9.254 | -161895.081 | -45802.941 | 1098 | 1.466 | 0.800 | 18.361 |
| T-5 | 1099 | 149 31 59 | 270 46 27 | 5.267 | -2 28 20 | 5.262 | -161890.688 | -45800.020 | 1099 | 1.466 | 0.800 | 18.296 |
| T-5 | 1100 | 149 23 7 | 270 37 35 | 5.441 | -2 22 1 | 5.436 | -161890.700 | -45800.194 | 1100 | 1.466 | 0.800 | 18.298 |
| T-5 | 1101 | 162 8 26 | 283 22 54 | 4.833 | -2 46 11 | 4.827 | -161889.642 | -45799.454 | 1101 | 1.466 | 0.800 | 18.289 |
| T-5 | 1102 | 158 24 0 | 279 38 28 | 4.197 | -3 26 10 | 4.189 | -161890.057 | -45798.888 | 1102 | 1.466 | 0.800 | 18.271 |
| T-5 | 1103 | 205 20 16 | 326 34 44 | 2.218 | -10 41 18 | 2.180 | -161888.939 | -45795.959 | 1103 | 1.466 | 0.800 | 18.112 |
| T-5 | 1104 | 192 9 29 | 313 23 57 | 2.555 | -8 28 8 | 2.527 | -161889.023 | -45796.594 | 1104 | 1.466 | 0.800 | 18.147 |
| T-5 | 1105 | 181 41 14 | 302 55 42 | 2.953 | -6 53 0 | 2.932 | -161889.165 | -45797.219 | 1105 | 1.466 | 0.800 | 18.169 |
| T-5 | 1106 | 172 28 18 | 293 42 46 | 3.344 | -5 38 49 | 3.328 | -161889.421 | -45797.805 | 1106 | 1.466 | 0.800 | 18.194 |
| T-5 | 1107 | 164 28 28 | 285 42 56 | 3.726 | -4 19 49 | 3.715 | -161889.753 | -45798.334 | 1107 | 1.466 | 0.800 | 18.242 |
| T-5 | 1108 | 157 26 21 | 278 40 49 | 4.105 | -3 48 17 | 4.096 | -161890.141 | -45798.807 | 1108 | 1.466 | 0.800 | 18.251 |
| T-5 | 1109 | 125 53 10 | 247 7 38 | 17.133 | -0 31 26 | 17.132 | -161897.418 | -45810.543 | 1109 | 1.466 | 0.800 | 18.366 |
| T-5 | 1110 | 135 7 36 | 256 22 4 | 13.845 | -0 32 7 | 13.844 | -161894.022 | -45808.212 | 1110 | 1.466 | 0.800 | 18.394 |
| T-5 | 1111 | 143 8 37 | 264 23 5 | 12.109 | -0 25 21 | 12.109 | -161891.944 | -45806.809 | 1111 | 1.466 | 0.800 | 18.434 |
| T-5 | 1112 | 155 57 37 | 277 12 5 | 10.450 | -0 27 10 | 10.450 | -161889.449 | -45805.126 | 1112 | 1.466 | 0.800 | 18.440 |
| T-5 | 1113 | 165 54 49 | 287 9 17 | 9.680 | -0 30 41 | 9.680 | -161887.904 | -45804.007 | 1113 | 1.466 | 0.800 | 18.437 |
| T-5 | 1114 | 165 39 11 | 286 53 39 | 9.517 | -0 31 19 | 9.517 | -161887.993 | -45803.864 | 1114 | 1.466 | 0.800 | 18.436 |
| T-5 | 1115 | 173 21 6 | 294 35 34 | 9.228 | -0 31 46 | 9.228 | -161886.919 | -45803.149 | 1115 | 1.466 | 0.800 | 18.438 |
| T-5 | 1116 | 174 3 50 | 295 18 18 | 9.912 | -0 32 6 | 9.912 | -161886.522 | -45803.719 | 1116 | 1.466 | 0.800 | 18.430 |
| T-5 | 1117 | 133 15 41 | 254 30 9 | 15.136 | -0 32 0 | 15.135 | -161894.803 | -45809.343 | 1117 | 1.466 | 0.800 | 18.382 |
| T-5 | 1118 | 142 43 43 | 263 58 11 | 17.862 | -0 12 10 | 17.862 | -161892.635 | -45812.521 | 1118 | 1.466 | 0.800 | 18.460 |
| T-5 | 1119 | 151 54 23 | 273 8 51 | 11.424 | -0 27 47 | 11.424 | -161890.132 | -45806.165 | 1119 | 1.466 | 0.800 | 18.431 |
| T-5 | 1120 | 159 15 21 | 280 29 49 | 14.617 | 0 15 36 | 14.617 | -161888.096 | -45809.130 | 1120 | 1.466 | 0.800 | 18.589 |

多角測量計算簿

路線名 L08080958

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-5 | 1121 | 167 24 7 | 288 38 35 | 13.752 | 2 33 29 | 13.738 | -161886.367 | -45807.775 | 1121 | 1.466 | 0.800 | 19.137 |
| T-5 | 1122 | 161 9 56 | 282 24 24 | 10.583 | 2 23 6 | 10.574 | -161888.487 | -45805.085 | 1122 | 1.466 | 0.800 | 18.963 |
| T-5 | 1123 | 161 49 25 | 283 3 53 | 10.544 | 1 30 31 | 10.540 | -161888.376 | -45805.025 | 1123 | 1.466 | 1.000 | 18.601 |
| T-5 | 1124 | 168 50 15 | 290 4 43 | 10.159 | 1 36 11 | 10.155 | -161887.273 | -45804.296 | 1124 | 1.466 | 1.000 | 18.607 |
| T-5 | 1125 | 171 40 15 | 292 54 43 | 12.191 | 1 20 11 | 12.188 | -161886.014 | -45805.984 | 1125 | 1.466 | 1.000 | 18.607 |
| T-5 | 1126 | 173 38 40 | 294 53 8 | 14.143 | 1 8 31 | 14.140 | -161884.809 | -45807.585 | 1126 | 1.466 | 1.000 | 18.605 |
| T-5 | 1127 | 174 49 20 | 296 3 48 | 15.619 | 1 1 36 | 15.616 | -161883.898 | -45808.786 | 1127 | 1.466 | 1.000 | 18.603 |
| T-5 | 1128 | 177 12 35 | 298 27 3 | 19.047 | 0 50 9 | 19.045 | -161881.686 | -45811.503 | 1128 | 1.466 | 1.000 | 18.601 |
| T-5 | 1129 | 177 14 22 | 298 28 50 | 19.059 | 1 53 42 | 19.049 | -161881.675 | -45811.502 | 1129 | 1.466 | 1.000 | 18.953 |
| T-5 | 1130 | 177 44 59 | 298 59 27 | 20.059 | 1 49 15 | 20.049 | -161881.042 | -45812.295 | 1130 | 1.466 | 1.000 | 18.960 |
| T-5 | 1131 | 177 18 19 | 298 32 47 | 21.993 | 1 38 0 | 21.984 | -161880.253 | -45814.069 | 1131 | 1.466 | 1.000 | 18.950 |
| T-5 | 1132 | 178 35 25 | 299 49 53 | 21.903 | 1 38 47 | 21.894 | -161879.868 | -45813.751 | 1132 | 1.466 | 1.000 | 18.952 |
| T-5 | 1133 | 178 49 41 | 300 4 9 | 22.398 | 1 36 43 | 22.389 | -161879.541 | -45814.134 | 1133 | 1.466 | 1.000 | 18.953 |
| T-5 | 1134 | 146 16 59 | 267 31 27 | 4.527 | -2 53 50 | 4.521 | -161890.954 | -45799.275 | 1134 | 1.466 | 1.000 | 18.094 |
| T-5 | 1135 | 169 8 44 | 290 23 12 | 10.252 | -0 26 12 | 10.252 | -161887.188 | -45804.368 | 1135 | 1.466 | 1.000 | 18.245 |
| T-5 | 1136 | 173 14 54 | 294 29 22 | 10.206 | -0 32 50 | 10.206 | -161886.528 | -45804.046 | 1136 | 1.466 | 1.000 | 18.226 |
| T-5 | 1137 | 176 38 51 | 297 53 19 | 10.205 | -0 32 8 | 10.205 | -161885.986 | -45803.778 | 1137 | 1.466 | 1.000 | 18.228 |
| T-5 | 1138 | 180 22 10 | 301 36 38 | 10.143 | -0 45 15 | 10.142 | -161885.443 | -45803.395 | 1138 | 1.466 | 1.000 | 18.189 |
| T-5 | 1139 | 183 29 28 | 304 43 56 | 10.423 | -0 42 25 | 10.422 | -161884.821 | -45803.323 | 1139 | 1.466 | 1.000 | 18.194 |
| T-5 | 1140 | 186 13 9 | 307 27 37 | 10.803 | -0 40 21 | 10.802 | -161884.189 | -45803.332 | 1140 | 1.466 | 1.000 | 18.196 |
| T-5 | 1141 | 188 30 23 | 309 44 51 | 11.281 | -0 38 7 | 11.280 | -161883.546 | -45803.431 | 1141 | 1.466 | 1.000 | 18.198 |
| T-5 | 1142 | 189 56 35 | 311 11 3 | 11.850 | -0 34 34 | 11.849 | -161882.957 | -45803.676 | 1142 | 1.466 | 1.000 | 18.204 |
| T-5 | 1143 | 190 48 21 | 312 2 49 | 12.457 | -0 33 57 | 12.456 | -161882.417 | -45804.008 | 1143 | 1.466 | 1.000 | 18.200 |
| T-5 | 1144 | 191 22 0 | 312 36 28 | 13.076 | -0 32 33 | 13.075 | -161881.908 | -45804.381 | 1144 | 1.466 | 1.000 | 18.199 |
| T-5 | 1145 | 191 43 38 | 312 58 6 | 13.678 | -0 30 22 | 13.677 | -161881.437 | -45804.766 | 1145 | 1.466 | 1.000 | 18.202 |
| T-5 | 1146 | 191 54 39 | 313 9 7 | 14.320 | -0 28 21 | 14.320 | -161880.965 | -45805.205 | 1146 | 1.466 | 1.000 | 18.205 |
| T-5 | 1147 | 191 1 42 | 312 16 10 | 14.883 | -0 11 40 | 14.883 | -161880.748 | -45805.771 | 1147 | 1.466 | 1.000 | 18.272 |
| T-5 | 1148 | 186 40 48 | 307 55 16 | 14.897 | -0 16 22 | 14.897 | -161881.604 | -45806.510 | 1148 | 1.466 | 1.000 | 18.252 |
| T-5 | 1149 | 185 54 53 | 307 9 21 | 15.031 | -0 16 0 | 15.031 | -161881.680 | -45806.738 | 1149 | 1.466 | 1.000 | 18.253 |
| T-5 | 1150 | 186 9 52 | 307 24 20 | 17.247 | -0 5 0 | 17.247 | -161880.282 | -45808.458 | 1150 | 1.466 | 1.000 | 18.298 |
| T-5 | 1151 | 186 39 11 | 307 53 39 | 17.389 | -0 3 24 | 17.389 | -161880.079 | -45808.480 | 1151 | 1.466 | 1.000 | 18.306 |
| T-5 | 1152 | 190 33 8 | 311 47 36 | 17.409 | 0 3 20 | 17.409 | -161879.157 | -45807.737 | 1152 | 1.466 | 1.000 | 18.340 |
| T-5 | 1153 | 191 10 22 | 312 24 50 | 17.385 | -0 11 53 | 17.385 | -161879.033 | -45807.593 | 1153 | 1.466 | 1.000 | 18.263 |
| T-5 | 1154 | 190 28 13 | 311 42 41 | 22.589 | 0 12 56 | 22.589 | -161875.729 | -45811.621 | 1154 | 1.466 | 1.000 | 18.408 |

多角測量計算簿

路線名 L08080958

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-5 | 1155 | 189 1 48 | 310 16 16 | 22.615 | 0 22 19 | 22.615 | -161876.141 | -45812.013 | 1155 | 1.466 | 1.000 | 18.470 |
| T-5 | 1156 | 186 56 4 | 308 10 32 | 22.609 | 0 18 39 | 22.609 | -161876.785 | -45812.531 | 1156 | 1.466 | 1.000 | 18.446 |
| T-5 | 1157 | 186 35 53 | 307 50 21 | 22.755 | 0 18 43 | 22.755 | -161876.800 | -45812.728 | 1157 | 1.466 | 1.000 | 18.447 |
| T-5 | 1158 | 186 53 19 | 308 7 47 | 25.404 | 0 23 25 | 25.403 | -161875.074 | -45814.740 | 1158 | 1.466 | 1.000 | 18.496 |
| T-5 | 1159 | 187 2 17 | 308 16 45 | 28.404 | 0 33 52 | 28.403 | -161873.164 | -45817.054 | 1159 | 1.466 | 1.000 | 18.603 |
| T-5 | 1160 | 187 18 50 | 308 33 18 | 28.535 | 0 33 57 | 28.534 | -161872.975 | -45817.072 | 1160 | 1.466 | 1.000 | 18.605 |
| T-5 | 1161 | 188 39 52 | 309 54 20 | 28.511 | 0 37 2 | 28.509 | -161872.470 | -45816.627 | 1161 | 1.466 | 1.000 | 18.630 |
| T-5 | 1162 | 145 46 1 | 267 0 29 | 6.243 | -1 49 38 | 6.240 | -161891.085 | -45800.989 | 1162 | 1.466 | 1.000 | 18.124 |
| T-5 | 1163 | 177 28 19 | 298 42 47 | 6.913 | -1 53 30 | 6.909 | -161887.440 | -45800.817 | 1163 | 1.466 | 1.000 | 18.095 |
| T-5 | 1164 | 149 47 21 | 271 1 49 | 4.873 | -12 18 19 | 4.761 | -161890.673 | -45799.518 | 1164 | 1.466 | 1.000 | 17.284 |
| T-5 | 1165 | 154 14 58 | 275 29 26 | 4.652 | -12 50 8 | 4.536 | -161890.325 | -45799.273 | 1165 | 1.466 | 1.000 | 17.290 |
| T-5 | 1166 | 155 48 43 | 277 3 11 | 5.001 | -11 53 13 | 4.894 | -161890.158 | -45799.615 | 1166 | 1.466 | 1.000 | 17.293 |
| T-5 | 1167 | 152 28 10 | 273 42 38 | 5.166 | -11 33 5 | 5.061 | -161890.431 | -45799.808 | 1167 | 1.466 | 1.000 | 17.289 |
| T-5 | t79 | 152 17 19 | 273 31 47 | 4.742 | -12 41 27 | 4.626 | -161890.474 | -45799.375 | t79 | 1.466 | 1.000 | 17.281 |
| T-5 | t80 | 153 52 54 | 275 7 22 | 5.058 | -9 56 45 | 4.982 | -161890.314 | -45799.720 | t80 | 1.466 | 1.000 | 17.449 |
| T-5 | t81 | 148 20 35 | 269 35 3 | 5.143 | -6 50 47 | 5.106 | -161890.796 | -45799.864 | t81 | 1.466 | 1.000 | 17.710 |
| T-5 | t82 | 112 1 11 | 233 15 39 | 12.587 | -2 17 21 | 12.577 | -161898.282 | -45804.837 | t82 | 1.466 | 1.000 | 17.820 |
| T-5 | t83 | 125 46 45 | 247 1 13 | 17.590 | -1 40 39 | 17.582 | -161897.623 | -45810.945 | t83 | 1.466 | 1.000 | 17.808 |
| T-5 | t84 | 120 26 55 | 241 41 23 | 14.768 | -0 24 47 | 14.768 | -161897.763 | -45807.760 | t84 | 1.466 | 1.000 | 18.217 |
| T-5 | t85 | 167 12 14 | 288 26 42 | 9.800 | -2 53 35 | 9.788 | -161887.662 | -45804.043 | t85 | 1.466 | 1.000 | 17.828 |
| T-5 | t86 | 170 14 11 | 291 28 39 | 9.873 | -3 55 2 | 9.850 | -161887.153 | -45803.924 | t86 | 1.466 | 1.000 | 17.649 |
| T-5 | t87 | 169 50 27 | 291 4 55 | 9.548 | -3 56 0 | 9.526 | -161887.332 | -45803.646 | t87 | 1.466 | 1.000 | 17.668 |
| T-5 | 1168 | 169 15 52 | 290 30 20 | 9.932 | -4 19 10 | 9.904 | -161887.290 | -45804.034 | 1168 | 1.466 | 1.000 | 17.575 |
| T-5 | 1169 | 359 59 59 | 121 14 27 | 0.000 | 90 0 0 | 0.000 | -161890.759 | -45794.758 | 1169 | 1.466 | 1.000 | 18.323 |
| T-5 | 1170 | 171 4 29 | 292 18 57 | 9.865 | -4 29 56 | 9.835 | -161887.025 | -45803.856 | 1170 | 1.466 | 1.000 | 17.549 |
| T-5 | 1171 | 170 58 17 | 292 12 45 | 9.492 | -4 49 33 | 9.458 | -161887.183 | -45803.514 | 1171 | 1.466 | 1.000 | 17.524 |
| T-5 | 1172 | 168 31 21 | 289 45 49 | 9.581 | -4 42 17 | 9.549 | -161887.530 | -45803.745 | 1172 | 1.466 | 1.000 | 17.537 |
| T-5 | 1173 | 359 59 59 | 121 14 27 | 0.000 | 90 0 0 | 0.000 | -161890.759 | -45794.758 | 1173 | 1.466 | 1.000 | 18.323 |
| T-5 | t88 | 164 40 43 | 285 55 11 | 7.555 | -1 8 41 | 7.553 | -161888.687 | -45802.021 | t88 | 1.466 | 1.000 | 18.172 |
| T-5 | 1174 | 200 14 42 | 321 29 10 | 22.118 | -2 53 15 | 22.090 | -161873.475 | -45808.514 | 1174 | 1.466 | 1.000 | 17.209 |
| T-5 | 1175 | 198 9 26 | 319 23 54 | 27.003 | -2 4 11 | 26.985 | -161870.271 | -45812.320 | 1175 | 1.466 | 1.000 | 17.348 |
| T-5 | 1176 | 196 50 34 | 318 5 2 | 32.107 | -1 28 16 | 32.096 | -161866.876 | -45816.199 | 1176 | 1.466 | 1.000 | 17.499 |
| T-5 | 1177 | 196 5 18 | 317 19 46 | 36.895 | -1 4 10 | 36.889 | -161863.636 | -45819.761 | 1177 | 1.466 | 1.000 | 17.634 |
| T-5 | 1178 | 195 36 52 | 316 51 20 | 42.169 | -0 43 54 | 42.166 | -161859.993 | -45823.593 | 1178 | 1.466 | 1.000 | 17.785 |

多角測量計算簿

路線名 L08080958

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-5 | 1179 | 195 36 52 | 316 51 20 | 42.172 | -0 43 53 | 42.169 | -161859.991 | -45823.595 | 1179 | 1.466 | 1.000 | 17.785 |
| T-5 | 1180 | 189 45 26 | 310 59 54 | 15.630 | 6 47 8 | 15.521 | -161880.577 | -45806.472 | 1180 | 1.466 | 1.000 | 20.170 |
| T-5 | 1181 | 218 47 16 | 340 1 44 | 17.450 | 4 44 17 | 17.390 | -161874.415 | -45800.697 | 1181 | 1.466 | 1.000 | 19.764 |
| T-5 | 1182 | 214 30 50 | 335 45 18 | 39.688 | 4 31 38 | 39.564 | -161854.685 | -45811.005 | 1182 | 1.466 | 1.000 | 21.456 |
| T-5 | 1183 | 219 3 56 | 340 18 24 | 34.486 | 9 53 18 | 33.974 | -161858.772 | -45806.207 | 1183 | 1.466 | 1.000 | 24.245 |
| T-5 | 1184 | 264 43 33 | 25 58 1 | 31.760 | 0 26 55 | 31.759 | -161862.206 | -45780.852 | 1184 | 1.466 | 1.000 | 18.572 |
| T-5 | 1185 | 218 48 59 | 340 3 27 | 17.393 | 0 58 16 | 17.391 | -161874.411 | -45800.690 | 1185 | 1.466 | 1.000 | 18.618 |
| T-5 | 1186 | 324 33 34 | 85 48 2 | 1.705 | -19 37 24 | 1.606 | -161890.641 | -45793.156 | 1186 | 1.466 | 1.000 | 17.750 |
| T-5 | 1187 | 356 46 51 | 118 1 19 | 9.908 | -4 23 17 | 9.879 | -161895.400 | -45786.037 | 1187 | 1.466 | 1.000 | 17.565 |
| T-5 | 1188 | 358 48 54 | 120 3 22 | 17.918 | -2 1 56 | 17.907 | -161899.728 | -45779.259 | 1188 | 1.466 | 1.000 | 17.688 |
| T-5 | 1189 | 127 26 51 | 248 41 19 | 7.750 | 4 42 15 | 7.724 | -161893.566 | -45801.954 | 1189 | 1.466 | 1.000 | 18.959 |
| T-5 | 1190 | 278 2 11 | 39 16 39 | 5.762 | -17 18 2 | 5.501 | -161886.501 | -45791.275 | 1190 | 1.466 | 1.000 | 16.609 |
| T-5 | 1191 | 217 37 57 | 338 52 25 | 52.208 | 5 12 32 | 51.992 | -161842.261 | -45813.497 | 1191 | 1.466 | 1.000 | 23.063 |
| T-5 | 1192 | 215 12 41 | 336 27 9 | 51.046 | 5 18 15 | 50.827 | -161844.164 | -45815.064 | 1192 | 1.466 | 1.000 | 23.042 |
| T-5 | 1193 | 215 5 30 | 336 19 58 | 51.232 | 5 18 16 | 51.013 | -161844.037 | -45815.236 | 1193 | 1.466 | 1.000 | 23.059 |
| T-5 | 1194 | 213 50 27 | 335 4 55 | 41.128 | -0 52 24 | 41.123 | -161853.464 | -45812.084 | 1194 | 1.466 | 1.000 | 17.696 |

多角測量計算簿

路線名 L08100911

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-5-4 | T-5 | | 129 14 3 | | | | -161862.848 | -45828.938 | T-5-4 | | | 19.211 |
| T-5-4 | 1195 | 5 32 12 | 134 46 15 | 30.460 | -2 30 26 | 30.431 | -161884.280 | -45807.334 | 1195 | 1.490 | 1.000 | 18.369 |
| T-5-4 | 1196 | 5 59 53 | 135 13 56 | 28.724 | -2 34 56 | 28.695 | -161883.221 | -45808.730 | 1196 | 1.490 | 1.000 | 18.407 |
| T-5-4 | 1197 | 6 31 39 | 135 45 42 | 26.742 | -2 41 19 | 26.713 | -161881.987 | -45810.302 | 1197 | 1.490 | 1.000 | 18.447 |
| T-5-4 | 1198 | 7 5 38 | 136 19 41 | 24.763 | -2 46 30 | 24.734 | -161880.739 | -45811.859 | 1198 | 1.490 | 1.000 | 18.502 |
| T-5-4 | 1199 | 7 43 14 | 136 57 17 | 22.768 | -2 53 2 | 22.739 | -161879.466 | -45813.417 | 1199 | 1.490 | 1.000 | 18.556 |
| T-5-4 | 1200 | 8 23 7 | 137 37 10 | 20.771 | -3 1 14 | 20.742 | -161878.170 | -45814.957 | 1200 | 1.490 | 1.000 | 18.607 |
| T-5-4 | 1201 | 9 11 53 | 138 25 56 | 18.772 | -3 9 10 | 18.744 | -161876.872 | -45816.501 | 1201 | 1.490 | 1.000 | 18.669 |
| T-5-4 | 1202 | 11 16 54 | 140 30 57 | 14.867 | -3 34 37 | 14.838 | -161874.300 | -45819.503 | 1202 | 1.490 | 1.000 | 18.774 |
| T-5-4 | 1203 | 14 33 34 | 143 47 37 | 10.898 | -4 21 41 | 10.866 | -161871.616 | -45822.520 | 1203 | 1.490 | 1.000 | 18.873 |
| T-5-4 | 1204 | 21 11 8 | 150 25 11 | 7.014 | -5 53 7 | 6.977 | -161868.916 | -45825.494 | 1204 | 1.490 | 1.000 | 18.982 |
| T-5-4 | 1205 | 41 25 50 | 170 39 53 | 3.397 | -10 25 24 | 3.341 | -161866.145 | -45828.396 | 1205 | 1.490 | 1.000 | 19.087 |
| T-5-4 | 1206 | 128 24 36 | 257 38 39 | 2.448 | -11 36 4 | 2.398 | -161863.362 | -45831.281 | 1206 | 1.490 | 1.000 | 19.209 |
| T-5-4 | 1207 | 167 0 33 | 296 14 36 | 6.138 | -3 13 43 | 6.128 | -161860.139 | -45834.434 | 1207 | 1.490 | 1.000 | 19.356 |
| T-5-4 | 1208 | 175 22 59 | 304 37 2 | 10.483 | -1 1 56 | 10.481 | -161856.894 | -45837.564 | 1208 | 1.490 | 1.000 | 19.512 |
| T-5-4 | 1209 | 179 9 12 | 308 23 15 | 14.898 | -0 11 52 | 14.898 | -161853.597 | -45840.616 | 1209 | 1.490 | 1.000 | 19.650 |
| T-5-4 | 1210 | 181 36 43 | 310 50 46 | 19.857 | 0 20 23 | 19.857 | -161849.861 | -45843.959 | 1210 | 1.490 | 1.000 | 19.819 |
| T-5-4 | 1211 | 183 19 40 | 312 33 43 | 24.831 | 0 37 53 | 24.829 | -161846.054 | -45847.226 | 1211 | 1.490 | 1.000 | 19.975 |
| T-5-4 | 1212 | 184 37 23 | 313 51 26 | 29.815 | 0 47 22 | 29.812 | -161842.193 | -45850.435 | 1212 | 1.490 | 1.000 | 20.112 |
| T-5-4 | 1213 | 185 48 10 | 315 2 13 | 35.269 | 0 51 19 | 35.265 | -161837.896 | -45853.858 | 1213 | 1.490 | 1.000 | 20.228 |
| T-5-4 | 1214 | 186 44 32 | 315 58 35 | 40.245 | 0 54 32 | 40.240 | -161833.914 | -45856.903 | 1214 | 1.490 | 1.000 | 20.340 |
| T-5-4 | 1215 | 187 37 30 | 316 51 33 | 45.736 | 0 57 24 | 45.730 | -161829.480 | -45860.208 | 1215 | 1.490 | 1.000 | 20.465 |
| T-5-4 | 1216 | 188 25 36 | 317 39 39 | 51.213 | 0 59 34 | 51.205 | -161824.999 | -45863.426 | 1216 | 1.490 | 1.000 | 20.589 |
| T-5-4 | 1217 | 189 0 31 | 318 14 34 | 55.684 | 1 1 3 | 55.675 | -161821.316 | -45866.016 | 1217 | 1.490 | 1.000 | 20.690 |
| T-5-4 | 1218 | 189 39 45 | 318 53 48 | 61.149 | 1 1 53 | 61.139 | -161816.779 | -45869.132 | 1218 | 1.490 | 1.000 | 20.802 |
| T-5-4 | 1219 | 190 3 58 | 319 18 1 | 64.640 | 1 1 12 | 64.630 | -161813.850 | -45871.083 | 1219 | 1.490 | 1.000 | 20.852 |
| T-5-4 | 1220 | 189 37 47 | 318 51 50 | 64.744 | 1 1 29 | 64.734 | -161814.094 | -45871.523 | 1220 | 1.490 | 1.000 | 20.859 |
| T-5-4 | 1221 | 189 4 32 | 318 18 35 | 60.108 | 1 1 51 | 60.098 | -161817.970 | -45868.909 | 1221 | 1.490 | 1.000 | 20.783 |
| T-5-4 | 1222 | 188 24 16 | 317 38 19 | 54.754 | 1 1 32 | 54.745 | -161822.397 | -45865.825 | 1222 | 1.490 | 1.000 | 20.681 |
| T-5-4 | 1223 | 187 41 33 | 316 55 36 | 49.945 | 0 46 12 | 49.940 | -161826.368 | -45863.044 | 1223 | 1.490 | 0.800 | 20.572 |
| T-5-4 | 1224 | 187 23 18 | 316 37 21 | 47.975 | 0 44 37 | 47.971 | -161827.981 | -45861.885 | 1224 | 1.490 | 0.800 | 20.524 |
| T-5-4 | 1225 | 187 1 37 | 316 15 40 | 45.987 | 0 43 9 | 45.983 | -161829.626 | -45860.729 | 1225 | 1.490 | 0.800 | 20.478 |
| T-5-4 | 1226 | 185 53 42 | 315 7 45 | 46.210 | 2 6 43 | 46.179 | -161830.121 | -45861.518 | 1226 | 1.490 | 0.800 | 21.604 |
| T-5-4 | 1227 | 186 36 14 | 315 50 17 | 46.003 | 0 45 38 | 45.999 | -161829.850 | -45860.985 | 1227 | 1.490 | 0.800 | 20.512 |

多 角 測 量 計 算 簿

路線名 L08100911

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-5-4 | 1228 | 185 40 29 | 314 54 32 | 41.144 | 0 38 49 | 41.141 | -161833.804 | -45858.075 | 1228 | 1.490 | 0.800 | 20.366 |
| T-5-4 | 1229 | 184 33 59 | 313 48 2 | 36.179 | 0 42 36 | 36.176 | -161837.809 | -45855.048 | 1229 | 1.490 | 0.800 | 20.350 |
| T-5-4 | 1230 | 183 15 21 | 312 29 24 | 30.898 | 0 28 24 | 30.897 | -161841.979 | -45851.721 | 1230 | 1.490 | 0.800 | 20.157 |
| T-5-4 | 1231 | 181 50 23 | 311 4 26 | 26.116 | 0 18 10 | 26.116 | -161845.689 | -45848.626 | 1231 | 1.490 | 0.800 | 20.039 |
| T-5-4 | 1232 | 179 45 44 | 308 59 47 | 20.620 | -0 8 14 | 20.620 | -161849.873 | -45844.964 | 1232 | 1.490 | 0.800 | 19.852 |
| T-5-4 | 1233 | 178 4 43 | 307 18 46 | 17.232 | -0 33 24 | 17.231 | -161852.404 | -45842.643 | 1233 | 1.490 | 0.800 | 19.734 |
| T-5-4 | 1234 | 174 48 59 | 304 3 2 | 12.988 | -2 58 6 | 12.971 | -161855.586 | -45839.685 | 1234 | 1.490 | 0.430 | 19.599 |
| T-5-4 | 1235 | 175 26 58 | 304 41 1 | 12.922 | -3 3 36 | 12.904 | -161855.505 | -45839.549 | 1235 | 1.490 | 0.430 | 19.581 |
| T-5-4 | 1236 | 0 0 0 | 129 14 3 | 0.000 | 90 0 0 | 0.000 | -161862.848 | -45828.938 | 1236 | 1.490 | 0.430 | 20.271 |
| T-5-4 | 1237 | 173 40 0 | 302 54 3 | 11.306 | -0 48 59 | 11.305 | -161856.708 | -45838.430 | 1237 | 1.490 | 1.000 | 19.540 |
| T-5-4 | 1238 | 170 55 7 | 300 9 10 | 9.392 | -1 16 5 | 9.390 | -161858.132 | -45837.058 | 1238 | 1.490 | 1.000 | 19.493 |
| T-5-4 | 1239 | 166 0 55 | 295 14 58 | 9.581 | -0 57 30 | 9.580 | -161858.762 | -45837.603 | 1239 | 1.490 | 1.000 | 19.541 |
| T-5-4 | 1240 | 164 18 29 | 293 32 32 | 8.844 | -1 9 7 | 8.842 | -161859.317 | -45837.044 | 1240 | 1.490 | 1.000 | 19.523 |
| T-5-4 | 1241 | 159 21 20 | 288 35 23 | 9.168 | -1 3 21 | 9.166 | -161859.926 | -45837.626 | 1241 | 1.490 | 1.000 | 19.532 |
| T-5-4 | 1242 | 156 57 36 | 286 11 39 | 8.456 | -1 20 23 | 8.454 | -161860.491 | -45837.057 | 1242 | 1.490 | 1.000 | 19.504 |
| T-5-4 | 1243 | 152 10 43 | 281 24 46 | 8.877 | -1 11 36 | 8.875 | -161861.092 | -45837.638 | 1243 | 1.490 | 1.000 | 19.516 |
| T-5-4 | 1244 | 137 58 53 | 267 12 56 | 6.596 | -1 52 58 | 6.592 | -161863.169 | -45835.522 | 1244 | 1.490 | 1.000 | 19.485 |
| T-5-4 | 1245 | 133 56 59 | 263 11 2 | 6.219 | -1 59 59 | 6.215 | -161863.586 | -45835.109 | 1245 | 1.490 | 1.000 | 19.484 |
| T-5-4 | 1246 | 100 42 28 | 229 56 31 | 4.884 | -2 26 42 | 4.880 | -161865.989 | -45832.673 | 1246 | 1.490 | 1.000 | 19.493 |
| T-5-4 | 1247 | 99 14 13 | 228 28 16 | 6.256 | 1 21 23 | 6.254 | -161866.995 | -45833.620 | 1247 | 1.490 | 1.000 | 19.849 |
| T-5-4 | 1248 | 90 29 58 | 219 44 1 | 6.234 | 1 20 39 | 6.232 | -161867.641 | -45832.922 | 1248 | 1.490 | 1.000 | 19.848 |
| T-5-4 | 1249 | 88 46 32 | 218 0 35 | 4.543 | -4 2 30 | 4.532 | -161866.419 | -45831.729 | 1249 | 1.490 | 1.000 | 19.381 |
| T-5-4 | 1250 | 0 0 0 | 129 14 3 | 0.000 | 90 0 0 | 0.000 | -161862.848 | -45828.938 | 1250 | 1.490 | 1.000 | 19.701 |
| T-5-4 | 1251 | 103 59 34 | 233 13 37 | 4.571 | -3 48 50 | 4.561 | -161865.579 | -45832.592 | 1251 | 1.490 | 1.000 | 19.397 |
| T-5-4 | 1252 | 103 27 33 | 232 41 36 | 4.916 | -2 33 56 | 4.911 | -161865.825 | -45832.844 | 1252 | 1.490 | 1.000 | 19.481 |
| T-5-4 | 1253 | 56 30 41 | 185 44 44 | 5.796 | -3 59 21 | 5.782 | -161868.601 | -45829.517 | 1253 | 1.490 | 1.000 | 19.298 |
| T-5-4 | 1254 | 63 2 3 | 192 16 6 | 6.804 | -2 54 50 | 6.795 | -161869.488 | -45830.382 | 1254 | 1.490 | 1.000 | 19.355 |
| T-5-4 | 1255 | 63 22 15 | 192 36 18 | 7.374 | -2 33 26 | 7.367 | -161870.038 | -45830.546 | 1255 | 1.490 | 1.000 | 19.372 |
| T-5-4 | 1256 | 35 18 4 | 164 32 7 | 12.593 | 1 10 51 | 12.590 | -161874.983 | -45825.581 | 1256 | 1.490 | 1.600 | 19.361 |
| T-5-4 | 1257 | 354 33 4 | 123 47 7 | 12.051 | -1 7 45 | 12.049 | -161869.549 | -45818.924 | 1257 | 1.490 | 1.600 | 18.864 |
| T-5-4 | 1258 | 351 13 2 | 120 27 5 | 8.714 | -0 47 24 | 8.713 | -161867.264 | -45821.427 | 1258 | 1.490 | 1.600 | 18.981 |
| T-5-4 | 1259 | 324 13 16 | 93 27 19 | 3.058 | 0 48 33 | 3.058 | -161863.033 | -45825.886 | 1259 | 1.490 | 1.600 | 19.144 |
| T-5-4 | 1260 | 349 51 32 | 119 5 35 | 2.425 | 1 27 19 | 2.424 | -161864.027 | -45826.820 | 1260 | 1.490 | 1.600 | 19.163 |
| T-5-4 | 1261 | 195 24 23 | 324 38 26 | 2.956 | 3 57 12 | 2.949 | -161860.443 | -45830.645 | 1261 | 1.490 | 1.600 | 19.305 |

多 角 測 量 計 算 簿

路線名 L08100911

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|---------|--------|-------------|------------|------|-------|-------|--------|
| T-5-4 | 1262 | 189 53 24 | 319 7 27 | 7.992 | 2 47 0 | 7.983 | -161856.812 | -45834.162 | 1262 | 1.490 | 1.600 | 19.489 |
| T-5-4 | 1263 | 190 55 38 | 320 9 41 | 8.105 | 2 50 39 | 8.095 | -161856.633 | -45834.124 | 1263 | 1.490 | 1.600 | 19.503 |
| T-5-4 | 1264 | 198 48 44 | 328 2 47 | 8.280 | 3 0 24 | 8.269 | -161855.832 | -45833.314 | 1264 | 1.490 | 1.600 | 19.536 |
| T-5-4 | 1265 | 199 16 45 | 328 30 48 | 8.923 | 2 30 57 | 8.914 | -161855.247 | -45833.594 | 1265 | 1.490 | 1.600 | 19.493 |
| T-5-4 | 1266 | 193 40 4 | 322 54 7 | 18.378 | 2 11 3 | 18.365 | -161848.200 | -45840.015 | 1266 | 1.490 | 1.600 | 19.802 |
| T-5-4 | 1267 | 192 51 59 | 322 6 2 | 22.668 | 2 6 31 | 22.653 | -161844.973 | -45842.853 | 1267 | 1.490 | 1.600 | 19.935 |
| T-5-4 | 1268 | 192 31 52 | 321 45 55 | 26.940 | 2 3 0 | 26.923 | -161841.701 | -45845.600 | 1268 | 1.490 | 1.600 | 20.065 |
| T-5-4 | 1269 | 192 28 0 | 321 42 3 | 32.448 | 1 56 21 | 32.429 | -161837.399 | -45849.037 | 1269 | 1.490 | 1.600 | 20.199 |
| T-5-4 | 1270 | 192 26 55 | 321 40 58 | 37.338 | 1 52 6 | 37.318 | -161833.569 | -45852.076 | 1270 | 1.490 | 1.600 | 20.319 |
| T-5-4 | 1271 | 192 37 1 | 321 51 4 | 42.853 | 1 48 2 | 42.832 | -161829.165 | -45855.396 | 1271 | 1.490 | 1.600 | 20.448 |
| T-5-4 | 1272 | 192 46 27 | 322 0 30 | 45.894 | 1 45 44 | 45.872 | -161826.697 | -45857.174 | 1272 | 1.490 | 1.600 | 20.513 |
| T-5-4 | 1273 | 189 58 18 | 319 12 21 | 35.744 | 1 54 47 | 35.724 | -161835.803 | -45852.278 | 1273 | 1.490 | 1.600 | 20.295 |
| T-5-4 | 1274 | 189 39 47 | 318 53 50 | 31.461 | 1 58 46 | 31.442 | -161839.156 | -45849.608 | 1274 | 1.490 | 1.600 | 20.188 |
| T-5-4 | 1275 | 189 15 2 | 318 29 5 | 26.577 | 2 3 22 | 26.560 | -161842.961 | -45846.543 | 1275 | 1.490 | 1.600 | 20.055 |
| T-5-4 | 1276 | 188 57 22 | 318 11 25 | 22.922 | 2 9 34 | 22.906 | -161845.775 | -45844.209 | 1276 | 1.490 | 1.600 | 19.965 |
| T-5-4 | 1277 | 188 50 0 | 318 4 3 | 18.021 | 2 14 47 | 18.007 | -161849.452 | -45840.971 | 1277 | 1.490 | 1.600 | 19.808 |
| T-5-4 | 1278 | 189 2 38 | 318 16 41 | 13.466 | 2 27 55 | 13.454 | -161852.807 | -45837.892 | 1278 | 1.490 | 1.600 | 19.681 |
| T-5-4 | 1279 | 189 36 18 | 318 50 21 | 13.346 | 2 28 39 | 13.334 | -161852.810 | -45837.714 | 1279 | 1.490 | 1.600 | 19.678 |
| T-5-4 | 1280 | 194 26 0 | 323 40 3 | 13.465 | 2 29 50 | 13.452 | -161852.012 | -45836.908 | 1280 | 1.490 | 1.600 | 19.688 |

多角測量計算簿

路線名 L08101029

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|-------|-------|-------|--------|
| T-5-4 | T-5 | | 129 14 3 | | | | -161862.848 | -45828.938 | T-5-4 | | | 19.211 |
| T-5-4 | 1281 | 17 10 15 | 146 24 18 | 11.147 | -6 20 45 | 11.079 | -161872.077 | -45822.808 | 1281 | 1.490 | 1.600 | 17.869 |
| T-5-4 | 1282 | 39 39 18 | 168 53 21 | 13.305 | -4 36 3 | 13.262 | -161875.862 | -45826.382 | 1282 | 1.490 | 1.600 | 18.034 |
| T-5-4 | 1283 | 40 26 49 | 169 40 52 | 12.999 | -3 45 0 | 12.971 | -161875.610 | -45826.615 | 1283 | 1.490 | 1.600 | 18.251 |
| T-5-4 | 1284 | 56 6 25 | 185 20 28 | 9.619 | -4 23 17 | 9.591 | -161872.398 | -45829.831 | 1284 | 1.490 | 1.600 | 18.365 |
| T-5-4 | 1285 | 184 59 55 | 314 13 58 | 12.487 | -0 16 32 | 12.487 | -161854.138 | -45837.885 | 1285 | 1.490 | 1.000 | 19.641 |
| T-5-4 | 1286 | 179 19 41 | 308 33 44 | 4.478 | -4 30 2 | 4.464 | -161860.066 | -45832.429 | 1286 | 1.490 | 1.000 | 19.350 |
| T-5-4 | 1287 | 184 59 13 | 314 13 16 | 12.485 | -0 16 43 | 12.485 | -161854.141 | -45837.886 | 1287 | 1.490 | 1.000 | 19.641 |
| T-5-4 | 1288 | 179 21 11 | 308 35 14 | 4.478 | -4 30 19 | 4.464 | -161860.064 | -45832.427 | 1288 | 1.490 | 1.000 | 19.350 |
| T-5-4 | 1289 | 123 52 2 | 253 6 5 | 5.143 | -2 50 22 | 5.137 | -161864.342 | -45833.853 | 1289 | 1.490 | 1.000 | 19.447 |
| T-5-4 | 1290 | 137 47 16 | 267 1 19 | 3.632 | -6 29 34 | 3.609 | -161863.036 | -45832.542 | 1290 | 1.490 | 1.000 | 19.291 |
| T-5-4 | 1291 | 40 30 56 | 169 44 59 | 10.289 | -2 2 33 | 10.282 | -161872.966 | -45827.108 | 1291 | 1.490 | 1.000 | 19.335 |
| T-5-4 | 1292 | 22 7 58 | 151 22 1 | 8.766 | -4 26 11 | 8.740 | -161870.520 | -45824.750 | 1292 | 1.490 | 1.000 | 19.023 |
| T-5-4 | 1293 | 28 34 49 | 157 48 52 | 6.595 | -5 17 13 | 6.567 | -161868.929 | -45826.458 | 1293 | 1.490 | 1.000 | 19.094 |
| T-5-4 | 1294 | 49 34 11 | 178 48 14 | 8.504 | -2 25 27 | 8.496 | -161871.343 | -45828.761 | 1294 | 1.490 | 1.000 | 19.342 |
| T-5-4 | 1295 | 343 22 21 | 112 36 24 | 31.591 | -3 5 1 | 31.545 | -161874.974 | -45799.817 | 1295 | 1.490 | 1.000 | 18.002 |
| T-5-4 | 1296 | 343 54 17 | 113 8 20 | 31.358 | -3 4 13 | 31.313 | -161875.153 | -45800.144 | 1296 | 1.490 | 1.000 | 18.022 |
| T-5-4 | 1297 | 344 20 31 | 113 34 34 | 31.027 | -3 4 21 | 30.982 | -161875.240 | -45800.542 | 1297 | 1.490 | 1.000 | 18.038 |
| T-5-4 | 1298 | 344 18 49 | 113 32 52 | 30.647 | -3 5 30 | 30.602 | -161875.074 | -45800.884 | 1298 | 1.490 | 1.000 | 18.048 |
| T-5-4 | 1299 | 340 55 6 | 110 9 9 | 27.686 | -2 55 23 | 27.650 | -161872.374 | -45802.981 | 1299 | 1.490 | 1.000 | 18.289 |
| T-5-4 | 1300 | 340 1 57 | 109 16 0 | 26.436 | -2 55 53 | 26.401 | -161871.560 | -45804.016 | 1300 | 1.490 | 1.000 | 18.349 |
| T-5-4 | 1301 | 341 51 50 | 111 5 53 | 26.330 | -3 19 39 | 26.286 | -161872.310 | -45804.414 | 1301 | 1.490 | 1.000 | 18.173 |
| T-5-4 | 1302 | 334 59 37 | 104 13 40 | 19.579 | -3 51 52 | 19.534 | -161867.649 | -45810.003 | 1302 | 1.490 | 1.000 | 18.382 |
| T-5-4 | 1303 | 332 30 57 | 101 45 0 | 18.059 | -4 8 59 | 18.012 | -161866.516 | -45811.304 | 1303 | 1.490 | 1.000 | 18.394 |
| T-5-4 | 1304 | 332 28 12 | 101 42 15 | 18.277 | -3 17 55 | 18.247 | -161866.550 | -45811.070 | 1304 | 1.490 | 1.000 | 18.650 |
| T-5-4 | 1305 | 330 2 49 | 99 16 52 | 17.094 | -3 23 59 | 17.064 | -161865.600 | -45812.097 | 1305 | 1.490 | 1.000 | 18.688 |
| T-5-4 | 1306 | 330 51 56 | 100 5 59 | 17.175 | -4 9 9 | 17.130 | -161865.852 | -45812.074 | 1306 | 1.490 | 1.000 | 18.458 |
| T-5-4 | 1307 | 324 59 34 | 94 13 37 | 14.833 | -4 26 15 | 14.789 | -161863.938 | -45814.189 | 1307 | 1.490 | 1.000 | 18.554 |
| T-5-4 | 1308 | 312 2 9 | 81 16 12 | 11.759 | -5 9 3 | 11.712 | -161861.071 | -45817.362 | 1308 | 1.490 | 1.000 | 18.646 |
| T-5-4 | 1309 | 303 59 42 | 73 13 45 | 10.683 | -5 24 22 | 10.635 | -161859.780 | -45818.755 | 1309 | 1.490 | 1.000 | 18.695 |
| T-5-4 | 1310 | 304 37 43 | 73 51 46 | 10.875 | -4 5 55 | 10.847 | -161859.834 | -45818.518 | 1310 | 1.490 | 1.000 | 18.924 |
| T-5-4 | 1311 | 297 53 53 | 67 7 56 | 10.270 | -4 11 41 | 10.242 | -161858.868 | -45819.501 | 1311 | 1.490 | 1.000 | 18.950 |
| T-5-4 | 1312 | 299 1 35 | 68 15 38 | 10.215 | -5 26 12 | 10.169 | -161859.082 | -45819.492 | 1312 | 1.490 | 1.000 | 18.733 |
| T-5-4 | 1313 | 280 19 3 | 49 33 6 | 9.345 | -5 18 47 | 9.305 | -161856.812 | -45821.857 | 1313 | 1.490 | 1.000 | 18.836 |

多角測量計算簿

路線名 L08101029

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-5-4 | 1314 | 258 8 51 | 27 22 54 | 9.739 | -4 24 59 | 9.710 | -161854.226 | -45824.472 | 1314 | 1.490 | 1.000 | 18.951 |
| T-5-4 | 1315 | 247 33 20 | 16 47 23 | 10.510 | -3 36 12 | 10.489 | -161852.807 | -45825.908 | 1315 | 1.490 | 1.000 | 19.041 |
| T-5-4 | 1316 | 248 50 6 | 18 4 9 | 10.560 | -2 39 23 | 10.549 | -161852.820 | -45825.666 | 1316 | 1.490 | 1.000 | 19.212 |
| T-5-4 | 1317 | 242 31 40 | 11 45 43 | 11.281 | -2 12 54 | 11.273 | -161851.812 | -45826.640 | 1317 | 1.490 | 1.000 | 19.265 |
| T-5-4 | 1318 | 242 47 20 | 12 1 23 | 11.033 | -3 14 35 | 11.015 | -161852.075 | -45826.644 | 1318 | 1.490 | 1.000 | 19.077 |
| T-5-4 | 1319 | 229 51 51 | 359 5 54 | 13.434 | -2 10 39 | 13.424 | -161849.426 | -45829.149 | 1319 | 1.490 | 1.000 | 19.191 |
| T-5-4 | 1320 | 221 16 47 | 350 30 50 | 16.350 | -1 23 46 | 16.345 | -161846.727 | -45831.632 | 1320 | 1.490 | 1.000 | 19.303 |
| T-5-4 | 1321 | 218 15 36 | 347 29 39 | 17.802 | -1 1 26 | 17.799 | -161845.472 | -45832.792 | 1321 | 1.490 | 1.000 | 19.383 |
| T-5-4 | 1322 | 218 58 26 | 348 12 29 | 17.700 | -0 23 58 | 17.700 | -161845.522 | -45832.555 | 1322 | 1.490 | 1.000 | 19.578 |
| T-5-4 | 1323 | 216 51 48 | 346 5 51 | 18.921 | -0 14 8 | 18.921 | -161844.482 | -45833.484 | 1323 | 1.490 | 1.000 | 19.624 |
| T-5-4 | 1324 | 216 46 41 | 346 0 44 | 18.696 | -0 50 38 | 18.694 | -161844.709 | -45833.457 | 1324 | 1.490 | 1.000 | 19.426 |
| T-5-4 | 1325 | 212 33 40 | 341 47 43 | 21.788 | -0 24 3 | 21.787 | -161842.152 | -45835.745 | 1325 | 1.490 | 1.000 | 19.549 |
| T-5-4 | 1326 | 208 52 17 | 338 6 20 | 25.806 | -0 1 51 | 25.806 | -161838.904 | -45838.561 | 1326 | 1.490 | 1.000 | 19.687 |
| T-5-4 | 1327 | 208 4 27 | 337 18 30 | 27.041 | 0 0 39 | 27.041 | -161837.901 | -45839.370 | 1327 | 1.490 | 1.000 | 19.706 |
| T-5-4 | 1328 | 208 28 29 | 337 42 32 | 26.906 | 0 25 4 | 26.905 | -161837.954 | -45839.143 | 1328 | 1.490 | 1.000 | 19.897 |
| T-5-4 | 1329 | 207 38 50 | 336 52 53 | 28.239 | 0 30 10 | 28.238 | -161836.878 | -45840.025 | 1329 | 1.490 | 1.000 | 19.949 |
| T-5-4 | 1330 | 207 27 39 | 336 41 42 | 28.011 | 0 6 17 | 28.011 | -161837.123 | -45840.020 | 1330 | 1.490 | 1.000 | 19.752 |
| T-5-4 | 1331 | 205 48 36 | 335 2 39 | 31.243 | 0 18 6 | 31.243 | -161834.522 | -45842.120 | 1331 | 1.490 | 1.000 | 19.866 |
| T-5-4 | 1332 | 204 12 48 | 333 26 51 | 35.433 | 0 29 6 | 35.432 | -161831.154 | -45844.777 | 1332 | 1.490 | 1.000 | 20.001 |
| T-5-4 | 1333 | 203 49 20 | 333 3 23 | 36.806 | 0 28 23 | 36.805 | -161830.038 | -45845.615 | 1333 | 1.490 | 1.000 | 20.005 |
| T-5-4 | 1334 | 204 4 58 | 333 19 1 | 36.653 | 0 48 8 | 36.649 | -161830.102 | -45845.395 | 1334 | 1.490 | 1.000 | 20.214 |
| T-5-4 | 1335 | 203 40 17 | 332 54 20 | 37.995 | 0 50 7 | 37.991 | -161829.027 | -45846.241 | 1335 | 1.490 | 1.000 | 20.255 |
| T-5-4 | 1336 | 203 31 49 | 332 45 52 | 37.788 | 0 32 14 | 37.786 | -161829.252 | -45846.231 | 1336 | 1.490 | 1.000 | 20.056 |
| T-5-4 | 1337 | 202 53 28 | 332 7 31 | 40.273 | 0 38 3 | 40.271 | -161827.250 | -45847.766 | 1337 | 1.490 | 1.000 | 20.147 |
| T-5-4 | 1338 | 202 4 26 | 331 18 29 | 44.530 | 0 43 57 | 44.526 | -161823.790 | -45850.315 | 1338 | 1.490 | 1.000 | 20.271 |
| T-5-4 | 1339 | 201 43 30 | 330 57 33 | 46.715 | 0 48 8 | 46.710 | -161822.011 | -45851.613 | 1339 | 1.490 | 1.000 | 20.355 |
| T-5-4 | 1340 | 201 54 41 | 331 8 44 | 46.556 | 1 2 17 | 46.548 | -161822.079 | -45851.401 | 1340 | 1.490 | 1.000 | 20.545 |
| T-5-4 | 1341 | 201 40 4 | 330 54 7 | 47.873 | 1 3 7 | 47.865 | -161821.024 | -45852.215 | 1341 | 1.490 | 1.000 | 20.580 |
| T-5-4 | 1342 | 203 33 29 | 332 47 32 | 46.594 | 0 42 27 | 46.590 | -161821.413 | -45850.240 | 1342 | 1.490 | 1.000 | 20.277 |
| T-5-4 | 1343 | 204 28 47 | 333 42 50 | 42.355 | 0 34 35 | 42.353 | -161824.875 | -45847.694 | 1343 | 1.490 | 1.000 | 20.127 |
| T-5-4 | 1344 | 207 2 5 | 336 16 8 | 34.582 | 0 16 38 | 34.582 | -161831.190 | -45842.855 | 1344 | 1.490 | 1.000 | 19.869 |
| T-5-4 | 1345 | 209 28 21 | 338 42 24 | 29.833 | -0 2 5 | 29.833 | -161835.052 | -45839.772 | 1345 | 1.490 | 1.000 | 19.683 |
| T-5-4 | 1346 | 212 26 16 | 341 40 19 | 25.842 | -0 17 43 | 25.842 | -161838.317 | -45837.064 | 1346 | 1.490 | 1.000 | 19.568 |
| T-5-4 | 1347 | 218 16 33 | 347 30 36 | 20.867 | -0 20 36 | 20.867 | -161842.475 | -45833.451 | 1347 | 1.490 | 1.200 | 19.376 |

多角測量計算簿

路線名 L08101029

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-5-4 | 1348 | 226 30 36 | 355 44 39 | 16.732 | -1 0 44 | 16.729 | -161846.166 | -45830.180 | 1348 | 1.490 | 1.200 | 19.206 |
| T-5-4 | 1349 | 237 52 40 | 7 6 43 | 13.689 | -1 51 3 | 13.682 | -161849.272 | -45827.244 | 1349 | 1.490 | 1.200 | 19.059 |
| T-5-4 | 1350 | 257 44 7 | 26 58 10 | 11.328 | -3 7 44 | 11.311 | -161852.767 | -45823.808 | 1350 | 1.490 | 1.200 | 18.883 |
| T-5-4 | 1351 | 286 9 0 | 55 23 3 | 10.935 | -4 7 58 | 10.907 | -161856.652 | -45819.962 | 1351 | 1.490 | 1.200 | 18.713 |
| T-5-4 | 1352 | 307 57 7 | 77 11 10 | 12.922 | -5 4 28 | 12.871 | -161859.994 | -45816.388 | 1352 | 1.490 | 0.960 | 18.598 |
| T-5-4 | 1353 | 322 15 28 | 91 29 31 | 16.231 | -4 33 33 | 16.180 | -161863.270 | -45812.764 | 1353 | 1.490 | 0.960 | 18.451 |
| T-5-4 | 1354 | 331 58 35 | 101 12 38 | 20.769 | -3 58 22 | 20.719 | -161866.876 | -45808.614 | 1354 | 1.490 | 0.960 | 18.302 |
| T-5-4 | 1355 | 337 26 17 | 106 40 20 | 25.153 | -3 35 37 | 25.104 | -161870.051 | -45804.889 | 1355 | 1.490 | 0.960 | 18.165 |
| T-5-4 | 1356 | 340 40 12 | 109 54 15 | 29.214 | -3 20 51 | 29.164 | -161872.777 | -45801.516 | 1356 | 1.490 | 0.960 | 18.035 |
| T-5-4 | 1357 | 341 43 29 | 110 57 32 | 31.041 | -3 17 16 | 30.990 | -161873.933 | -45799.998 | 1357 | 1.490 | 0.960 | 17.961 |
| T-5-4 | 1358 | 342 33 38 | 111 47 41 | 27.324 | -3 21 26 | 27.277 | -161872.976 | -45803.611 | 1358 | 1.490 | 0.960 | 18.141 |
| T-5-4 | 1359 | 341 52 6 | 111 6 9 | 26.325 | -3 24 56 | 26.278 | -161872.309 | -45804.422 | 1359 | 1.490 | 0.960 | 18.173 |
| T-5-4 | 1360 | 339 33 17 | 108 47 20 | 23.533 | -3 35 42 | 23.487 | -161870.413 | -45806.703 | 1360 | 1.490 | 0.960 | 18.266 |
| T-5-4 | 1361 | 335 47 35 | 105 1 38 | 20.122 | -3 53 11 | 20.076 | -161868.054 | -45809.549 | 1361 | 1.490 | 0.960 | 18.377 |
| T-5-4 | 1362 | 307 10 22 | 76 24 25 | 27.758 | 4 45 12 | 27.663 | -161856.347 | -45802.050 | 1362 | 1.490 | 0.960 | 22.041 |
| T-5-4 | 1363 | 299 19 23 | 68 33 26 | 33.066 | 0 37 57 | 33.064 | -161850.761 | -45798.163 | 1363 | 1.490 | 0.960 | 20.106 |
| T-5-4 | 1364 | 304 42 15 | 73 56 18 | 26.347 | 4 49 12 | 26.254 | -161855.585 | -45803.709 | 1364 | 1.490 | 0.960 | 21.955 |
| T-5-4 | 1365 | 302 31 3 | 71 45 6 | 27.783 | 4 18 0 | 27.705 | -161854.173 | -45802.626 | 1365 | 1.490 | 0.960 | 21.824 |
| T-5-4 | 1366 | 302 38 41 | 71 52 44 | 28.629 | -1 42 34 | 28.616 | -161853.948 | -45801.741 | 1366 | 1.490 | 0.960 | 18.887 |
| T-5-4 | 1367 | 296 47 23 | 66 1 26 | 33.301 | 2 20 14 | 33.273 | -161849.328 | -45798.536 | 1367 | 1.490 | 0.960 | 21.099 |
| T-5-4 | 1368 | 295 23 59 | 64 38 2 | 34.147 | 3 55 34 | 34.067 | -161848.254 | -45798.156 | 1368 | 1.490 | 0.960 | 22.079 |
| T-5-4 | 1369 | 274 39 4 | 43 53 7 | 29.987 | 4 38 57 | 29.888 | -161841.307 | -45808.219 | 1369 | 1.490 | 0.960 | 22.172 |
| T-5-4 | 1370 | 270 48 56 | 40 2 59 | 51.355 | 2 37 9 | 51.301 | -161823.578 | -45795.928 | 1370 | 1.490 | 0.960 | 22.088 |
| T-5-4 | 1371 | 281 5 23 | 50 19 26 | 30.632 | 1 48 26 | 30.617 | -161843.301 | -45805.373 | 1371 | 1.490 | 0.960 | 20.707 |
| T-5-4 | 1372 | 281 53 30 | 51 7 33 | 29.241 | 1 15 52 | 29.234 | -161844.501 | -45806.179 | 1372 | 1.490 | 0.960 | 20.387 |
| T-5-4 | 1373 | 296 54 15 | 66 8 18 | 32.889 | 0 59 43 | 32.884 | -161849.546 | -45798.865 | 1373 | 1.490 | 0.960 | 20.313 |
| T-5-4 | 1374 | 257 5 50 | 26 19 53 | 55.416 | 7 7 38 | 54.988 | -161813.566 | -45804.547 | 1374 | 1.490 | 0.960 | 26.617 |
| T-5-4 | 1375 | 233 14 19 | 2 28 22 | 34.970 | 10 41 54 | 34.362 | -161828.518 | -45827.456 | 1375 | 1.490 | 0.960 | 26.233 |
| T-5-4 | 1376 | 228 58 57 | 358 13 0 | 38.228 | 9 31 22 | 37.701 | -161825.166 | -45830.111 | 1376 | 1.490 | 0.960 | 26.066 |
| T-5-4 | 1377 | 227 40 17 | 356 54 20 | 38.011 | 9 36 13 | 37.478 | -161825.425 | -45830.961 | 1377 | 1.490 | 0.960 | 26.083 |
| T-5-4 | 1378 | 223 17 3 | 352 31 6 | 43.546 | 8 32 0 | 43.064 | -161820.151 | -45834.545 | 1378 | 1.490 | 0.960 | 26.203 |
| T-5-4 | 1379 | 224 0 5 | 353 14 8 | 44.428 | 6 41 18 | 44.126 | -161819.030 | -45834.136 | 1379 | 1.490 | 0.960 | 24.916 |
| T-5-4 | 1380 | 223 1 3 | 352 15 6 | 46.110 | 6 37 54 | 45.801 | -161817.466 | -45835.113 | 1380 | 1.490 | 0.960 | 25.066 |
| T-5-4 | 1381 | 222 15 27 | 351 29 30 | 56.942 | 9 56 23 | 56.087 | -161807.379 | -45837.236 | 1381 | 1.490 | 0.960 | 29.570 |

多角測量計算簿

路線名 L08101029

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-5-4 | 1382 | 216 38 21 | 345 52 24 | 55.105 | 10 14 45 | 54.226 | -161810.262 | -45842.173 | 1382 | 1.490 | 0.960 | 29.543 |
| T-5-4 | 1383 | 215 18 48 | 344 32 51 | 58.621 | 9 31 0 | 57.814 | -161807.124 | -45844.342 | 1383 | 1.490 | 0.960 | 29.433 |
| T-5-4 | 1384 | 214 25 23 | 343 39 26 | 58.695 | 9 40 54 | 57.859 | -161807.327 | -45845.219 | 1384 | 1.490 | 0.960 | 29.612 |
| T-5-4 | 1385 | 212 43 58 | 341 58 1 | 64.613 | 8 55 57 | 63.829 | -161802.155 | -45848.697 | 1385 | 1.490 | 0.960 | 29.774 |
| T-5-4 | 1386 | 187 57 5 | 317 11 8 | 58.249 | 3 54 0 | 58.114 | -161820.218 | -45868.434 | 1386 | 1.490 | 0.960 | 23.703 |
| T-5-4 | 1387 | 186 9 11 | 315 23 14 | 47.444 | 5 0 36 | 47.263 | -161829.203 | -45862.131 | 1387 | 1.490 | 0.960 | 23.885 |
| T-5-4 | 1388 | 183 37 6 | 312 51 9 | 47.857 | 5 10 51 | 47.661 | -161830.433 | -45863.879 | 1388 | 1.490 | 0.960 | 24.063 |
| T-5-4 | 1389 | 174 56 28 | 304 10 31 | 24.440 | 10 7 21 | 24.060 | -161849.333 | -45848.843 | 1389 | 1.490 | 0.960 | 24.037 |
| T-5-4 | 1390 | 176 23 18 | 305 37 21 | 26.947 | 9 13 48 | 26.598 | -161847.357 | -45850.559 | 1390 | 1.490 | 0.960 | 24.064 |
| T-5-4 | 1391 | 179 36 36 | 308 50 39 | 33.741 | 7 22 4 | 33.462 | -161841.861 | -45855.000 | 1391 | 1.490 | 0.960 | 24.068 |
| T-5-4 | 1392 | 181 26 50 | 310 40 53 | 38.894 | 6 19 59 | 38.657 | -161837.650 | -45858.253 | 1392 | 1.490 | 0.960 | 24.032 |
| T-5-4 | 1393 | 182 44 59 | 311 59 2 | 42.747 | 5 46 25 | 42.530 | -161834.399 | -45860.552 | 1393 | 1.490 | 0.960 | 24.042 |
| T-5-4 | 1394 | 183 18 1 | 312 32 4 | 44.695 | 5 33 44 | 44.485 | -161832.775 | -45861.718 | 1394 | 1.490 | 0.960 | 24.073 |
| T-5-4 | 1395 | 185 51 1 | 315 5 4 | 45.793 | 1 6 48 | 45.784 | -161830.427 | -45861.264 | 1395 | 1.490 | 0.960 | 20.631 |
| T-5-4 | 1396 | 168 54 15 | 298 8 18 | 10.759 | 5 57 30 | 10.701 | -161857.802 | -45838.374 | 1396 | 1.490 | 0.960 | 20.858 |
| T-5-4 | 1397 | 168 14 24 | 297 28 27 | 10.367 | 6 4 49 | 10.309 | -161858.092 | -45838.084 | 1397 | 1.490 | 0.960 | 20.839 |
| T-5-4 | 1398 | 161 1 8 | 290 15 11 | 10.882 | 6 4 55 | 10.821 | -161859.103 | -45839.090 | 1398 | 1.490 | 0.960 | 20.894 |
| T-5-4 | 1399 | 142 37 32 | 271 51 35 | 7.052 | 18 0 52 | 6.706 | -161862.631 | -45835.641 | 1399 | 1.490 | 0.960 | 21.922 |
| T-5-4 | 1400 | 53 37 46 | 182 51 49 | 6.503 | 19 57 36 | 6.112 | -161868.953 | -45829.243 | 1400 | 1.490 | 0.960 | 21.961 |
| T-5-4 | 1401 | 148 32 9 | 277 46 12 | 9.080 | 5 18 41 | 9.041 | -161861.626 | -45837.896 | 1401 | 1.490 | 0.960 | 20.582 |
| T-5-4 | 1402 | 191 16 49 | 320 30 52 | 23.306 | 2 3 23 | 23.291 | -161844.873 | -45843.748 | 1402 | 1.490 | 0.960 | 20.578 |
| T-5-4 | 1403 | 191 16 50 | 320 30 53 | 23.306 | 2 3 24 | 23.291 | -161844.873 | -45843.748 | 1403 | 1.490 | 0.960 | 20.578 |
| T-5-4 | 1404 | 194 10 15 | 323 24 18 | 84.061 | 2 22 59 | 83.988 | -161795.417 | -45879.008 | 1404 | 1.490 | 0.960 | 23.237 |
| T-5-4 | 1405 | 205 58 30 | 335 12 33 | 83.776 | 2 37 37 | 83.688 | -161786.873 | -45864.029 | 1405 | 1.490 | 0.960 | 23.581 |
| T-5-4 | 1406 | 205 58 30 | 335 12 33 | 83.775 | 2 37 35 | 83.687 | -161786.874 | -45864.029 | 1406 | 1.490 | 0.960 | 23.580 |
| T-5-4 | 1407 | 208 16 38 | 337 30 41 | 91.949 | 3 31 35 | 91.775 | -161778.052 | -45864.042 | 1407 | 1.490 | 0.960 | 25.397 |
| T-5-4 | 1408 | 215 40 48 | 344 54 51 | 41.328 | 3 28 47 | 41.252 | -161823.018 | -45839.675 | 1408 | 1.490 | 0.960 | 22.250 |
| T-5-4 | 1409 | 228 15 32 | 357 29 35 | 28.221 | 4 30 34 | 28.134 | -161834.741 | -45830.169 | 1409 | 1.490 | 0.960 | 21.960 |
| T-5-4 | 1410 | 258 0 8 | 27 14 11 | 19.690 | -0 42 1 | 19.689 | -161845.342 | -45819.927 | 1410 | 1.490 | 0.960 | 19.501 |
| T-5-4 | 1411 | 241 17 41 | 10 31 44 | 22.939 | -1 50 23 | 22.927 | -161840.307 | -45824.749 | 1411 | 1.490 | 0.960 | 19.005 |
| T-5-4 | 1412 | 229 51 30 | 359 5 33 | 27.866 | -0 55 22 | 27.862 | -161834.990 | -45829.379 | 1412 | 1.490 | 0.960 | 19.293 |
| T-5-4 | 1413 | 221 22 23 | 350 36 26 | 34.832 | -0 21 22 | 34.831 | -161828.484 | -45834.623 | 1413 | 1.490 | 0.960 | 19.525 |
| T-5-4 | 1414 | 217 38 28 | 346 52 31 | 39.223 | 0 2 0 | 39.223 | -161824.650 | -45837.844 | 1414 | 1.490 | 0.960 | 19.764 |
| T-5-4 | 1415 | 212 1 48 | 341 15 51 | 51.026 | 0 39 38 | 51.023 | -161814.529 | -45845.327 | 1415 | 1.490 | 0.960 | 20.330 |

多 角 測 量 計 算 簿

路線名 L08101029

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-5-4 | 1416 | 210 20 54 | 339 34 57 | 56.595 | 0 57 18 | 56.587 | -161809.816 | -45848.679 | 1416 | 1.490 | 0.960 | 20.685 |
| T-5-4 | 1417 | 208 58 39 | 338 12 42 | 62.694 | 0 57 20 | 62.685 | -161804.642 | -45852.205 | 1417 | 1.490 | 0.960 | 20.787 |
| T-5-4 | 1418 | 207 18 33 | 336 32 36 | 97.371 | 1 21 3 | 97.344 | -161773.549 | -45867.686 | 1418 | 1.490 | 0.960 | 22.037 |
| T-5-4 | 1419 | 206 10 15 | 335 24 18 | 82.300 | 1 20 38 | 82.277 | -161788.036 | -45863.182 | 1419 | 1.490 | 0.960 | 21.671 |
| T-5-4 | 1420 | 206 10 15 | 335 24 18 | 82.301 | 1 20 35 | 82.278 | -161788.035 | -45863.182 | 1420 | 1.490 | 0.960 | 21.670 |
| T-5-4 | 1421 | 211 59 59 | 341 14 2 | 51.048 | 1 22 38 | 51.033 | -161814.528 | -45845.356 | 1421 | 1.490 | 0.960 | 20.968 |
| T-5-4 | 1422 | 207 18 12 | 336 32 15 | 72.309 | 1 30 26 | 72.284 | -161796.541 | -45857.718 | 1422 | 1.490 | 0.960 | 21.643 |
| T-5-4 | 1423 | 246 50 18 | 16 4 21 | 6.780 | -13 23 0 | 6.596 | -161856.510 | -45827.112 | 1423 | 1.490 | 0.960 | 18.172 |
| T-5-4 | 1424 | 220 51 18 | 350 5 21 | 10.244 | -7 49 6 | 10.149 | -161852.851 | -45830.685 | 1424 | 1.490 | 0.960 | 18.348 |
| T-5-4 | 1425 | 210 4 34 | 339 18 37 | 14.587 | -4 45 30 | 14.537 | -161849.249 | -45834.074 | 1425 | 1.490 | 0.960 | 18.531 |
| T-5-4 | 1426 | 204 35 47 | 333 49 50 | 5.861 | -3 6 17 | 5.852 | -161857.596 | -45831.519 | 1426 | 1.490 | 0.960 | 19.424 |
| T-5-4 | 1427 | 204 35 47 | 333 49 50 | 19.406 | -3 6 18 | 19.378 | -161845.457 | -45837.484 | 1427 | 1.490 | 0.960 | 18.690 |
| T-5-4 | 1428 | 201 40 20 | 330 54 23 | 24.278 | -2 6 45 | 24.262 | -161841.648 | -45840.735 | 1428 | 1.490 | 0.960 | 18.846 |
| T-5-4 | 1429 | 199 50 32 | 329 4 35 | 29.222 | -1 28 21 | 29.212 | -161837.789 | -45843.950 | 1429 | 1.490 | 0.960 | 18.990 |
| T-5-4 | 1430 | 198 45 1 | 327 59 4 | 34.071 | -1 2 14 | 34.065 | -161833.965 | -45846.998 | 1430 | 1.490 | 0.960 | 19.125 |
| T-5-4 | 1431 | 198 1 38 | 327 15 41 | 39.276 | -0 40 5 | 39.273 | -161829.814 | -45850.177 | 1431 | 1.490 | 0.960 | 19.283 |
| T-5-4 | 1432 | 197 35 12 | 326 49 15 | 44.176 | -0 25 12 | 44.175 | -161825.876 | -45853.113 | 1432 | 1.490 | 0.960 | 19.417 |
| T-5-4 | 1433 | 197 16 29 | 326 30 32 | 49.419 | -0 13 12 | 49.419 | -161821.634 | -45856.208 | 1433 | 1.490 | 0.960 | 19.552 |
| T-5-4 | 1434 | 197 5 23 | 326 19 26 | 54.422 | -0 3 14 | 54.422 | -161817.559 | -45859.115 | 1434 | 1.490 | 0.960 | 19.690 |
| T-5-4 | 1435 | 196 59 16 | 326 13 19 | 59.473 | 0 4 25 | 59.473 | -161813.415 | -45862.004 | 1435 | 1.490 | 0.960 | 19.818 |

多角測量計算簿

路線名 L08101243

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|-------|-------|-------|--------|
| T-5-4 | T-5 | | 129 14 3 | | | | -161862.848 | -45828.938 | T-5-4 | | | 19.211 |
| T-5-4 | t89 | 3 37 36 | 132 51 39 | 30.137 | -2 27 32 | 30.109 | -161883.329 | -45806.868 | t89 | 1.490 | 1.000 | 18.408 |
| T-5-4 | t90 | 6 4 46 | 135 18 49 | 30.265 | -3 17 6 | 30.215 | -161884.330 | -45807.690 | t90 | 1.490 | 1.000 | 17.967 |
| T-5-4 | t91 | 29 44 19 | 158 58 22 | 17.884 | -2 17 55 | 17.870 | -161879.528 | -45822.526 | t91 | 1.490 | 1.000 | 18.984 |
| T-5-4 | t92 | 23 16 47 | 152 30 50 | 7.140 | -8 59 52 | 7.052 | -161869.104 | -45825.683 | t92 | 1.490 | 1.000 | 18.585 |
| T-5-4 | t93 | 9 21 24 | 138 35 27 | 6.621 | -6 3 7 | 6.584 | -161867.786 | -45824.583 | t93 | 1.490 | 1.000 | 19.003 |
| T-5-4 | t94 | 30 24 38 | 159 38 41 | 9.743 | -3 12 3 | 9.728 | -161871.969 | -45825.554 | t94 | 1.490 | 1.000 | 19.157 |
| T-5-4 | t95 | 151 17 39 | 280 31 42 | 6.177 | -2 35 1 | 6.171 | -161861.721 | -45835.005 | t95 | 1.490 | 1.000 | 19.423 |
| T-5-4 | t96 | 183 32 40 | 312 46 43 | 15.503 | 0 0 59 | 15.503 | -161852.319 | -45840.317 | t96 | 1.490 | 1.000 | 19.706 |
| T-5-4 | t97 | 178 47 19 | 308 1 22 | 15.968 | -1 27 18 | 15.963 | -161853.016 | -45841.513 | t97 | 1.490 | 1.000 | 19.296 |
| T-5-4 | t98 | 185 41 34 | 314 55 37 | 36.316 | 0 14 38 | 36.316 | -161837.202 | -45854.650 | t98 | 1.490 | 1.000 | 19.856 |
| T-5-4 | t99 | 187 35 37 | 316 49 40 | 36.025 | 0 54 16 | 36.021 | -161836.578 | -45853.583 | t99 | 1.490 | 1.000 | 20.270 |
| T-5-4 | 1436 | 192 0 13 | 321 14 16 | 13.032 | -1 29 24 | 13.028 | -161852.690 | -45837.095 | 1436 | 1.490 | 1.000 | 19.362 |
| T-5-4 | 1437 | 291 28 41 | 60 42 44 | 19.404 | -5 6 46 | 19.327 | -161853.394 | -45812.082 | 1437 | 1.490 | 1.000 | 17.972 |
| T-5-4 | 1438 | 184 19 44 | 313 33 47 | 46.682 | 4 18 25 | 46.550 | -161830.768 | -45862.669 | 1438 | 1.490 | 1.000 | 23.207 |

多角測量計算簿

路線名 L08101355

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-6 | T-5 | | 138 9 2 | | | | -161786.609 | -45888.041 | T-6 | | | 21.454 |
| T-6 | 1439 | 5 56 35 | 144 5 37 | 55.967 | -1 46 57 | 55.940 | -161831.919 | -45855.234 | 1439 | 1.486 | 1.000 | 20.199 |
| T-6 | 1440 | 6 0 15 | 144 9 17 | 51.705 | -1 48 36 | 51.679 | -161828.500 | -45857.778 | 1440 | 1.486 | 1.000 | 20.307 |
| T-6 | 1441 | 5 59 41 | 144 8 43 | 47.388 | -1 50 32 | 47.364 | -161824.998 | -45860.298 | 1441 | 1.486 | 1.000 | 20.417 |
| T-6 | 1442 | 5 58 27 | 144 7 29 | 43.110 | -1 54 38 | 43.086 | -161821.521 | -45862.792 | 1442 | 1.486 | 1.000 | 20.503 |
| T-6 | 1443 | 5 51 19 | 144 0 21 | 38.852 | -2 0 30 | 38.828 | -161818.024 | -45865.222 | 1443 | 1.486 | 1.000 | 20.578 |
| T-6 | 1444 | 5 38 42 | 143 47 44 | 34.524 | -2 7 34 | 34.500 | -161814.448 | -45867.663 | 1444 | 1.486 | 1.000 | 20.659 |
| T-6 | 1445 | 5 33 58 | 143 43 0 | 32.942 | -2 9 28 | 32.919 | -161813.145 | -45868.560 | 1445 | 1.486 | 1.000 | 20.700 |
| T-6 | 1446 | 5 17 36 | 143 26 38 | 32.789 | -2 7 26 | 32.766 | -161812.929 | -45868.525 | 1446 | 1.486 | 1.000 | 20.725 |
| T-6 | 1447 | 3 16 42 | 141 25 44 | 32.851 | -2 7 7 | 32.829 | -161812.276 | -45867.573 | 1447 | 1.486 | 1.000 | 20.726 |
| T-6 | 1448 | 2 15 30 | 140 24 32 | 27.084 | -2 14 49 | 27.063 | -161807.464 | -45870.794 | 1448 | 1.486 | 1.000 | 20.878 |
| T-6 | 1449 | 4 39 38 | 142 48 40 | 26.997 | -2 21 44 | 26.974 | -161808.098 | -45871.737 | 1449 | 1.486 | 1.000 | 20.827 |
| T-6 | 1450 | 4 58 54 | 143 7 56 | 26.830 | -2 22 21 | 26.807 | -161808.055 | -45871.958 | 1450 | 1.486 | 1.000 | 20.829 |
| T-6 | 1451 | 4 18 11 | 142 27 13 | 22.297 | -2 40 42 | 22.273 | -161804.268 | -45874.468 | 1451 | 1.486 | 1.000 | 20.898 |
| T-6 | 1452 | 3 9 56 | 141 18 58 | 17.434 | -3 10 31 | 17.407 | -161800.197 | -45877.161 | 1452 | 1.486 | 1.000 | 20.974 |
| T-6 | 1453 | 1 42 45 | 139 51 47 | 13.784 | -3 45 10 | 13.754 | -161797.124 | -45879.175 | 1453 | 1.486 | 1.000 | 21.038 |
| T-6 | 1454 | 0 48 25 | 138 57 27 | 12.136 | -4 3 25 | 12.106 | -161795.740 | -45880.092 | 1454 | 1.486 | 1.000 | 21.081 |
| T-6 | 1455 | 0 16 30 | 138 25 32 | 11.918 | -4 3 27 | 11.888 | -161795.502 | -45880.152 | 1455 | 1.486 | 1.000 | 21.097 |
| T-6 | 1456 | 354 32 49 | 132 41 51 | 12.129 | -3 57 42 | 12.100 | -161794.814 | -45879.148 | 1456 | 1.486 | 1.000 | 21.102 |
| T-6 | 1457 | 14 36 31 | 152 45 33 | 7.480 | -6 6 32 | 7.438 | -161793.222 | -45884.636 | 1457 | 1.486 | 1.000 | 21.144 |
| T-6 | 1458 | 12 28 9 | 150 37 11 | 12.077 | -4 22 50 | 12.042 | -161797.102 | -45882.133 | 1458 | 1.486 | 1.000 | 21.018 |
| T-6 | 1459 | 11 19 28 | 149 28 30 | 17.080 | -3 29 19 | 17.048 | -161801.294 | -45879.382 | 1459 | 1.486 | 1.000 | 20.901 |
| T-6 | 1460 | 10 36 51 | 148 45 53 | 22.582 | -2 51 59 | 22.554 | -161805.894 | -45876.346 | 1460 | 1.486 | 1.000 | 20.811 |
| T-6 | 1461 | 10 12 12 | 148 21 14 | 27.579 | -2 30 25 | 27.553 | -161810.065 | -45873.585 | 1461 | 1.486 | 1.000 | 20.734 |
| T-6 | 1462 | 4 24 56 | 142 33 58 | 56.763 | -1 46 51 | 56.736 | -161831.660 | -45853.554 | 1462 | 1.486 | 1.000 | 20.176 |
| T-6 | 1463 | 4 24 57 | 142 33 59 | 56.772 | -1 46 55 | 56.745 | -161831.668 | -45853.549 | 1463 | 1.486 | 1.000 | 20.175 |
| T-6 | 1464 | 4 5 19 | 142 14 21 | 45.147 | -1 53 26 | 45.122 | -161822.281 | -45860.410 | 1464 | 1.486 | 1.000 | 20.451 |
| T-6 | 1465 | 3 41 41 | 141 50 43 | 39.638 | -2 0 43 | 39.614 | -161817.759 | -45863.568 | 1465 | 1.486 | 1.000 | 20.548 |
| T-6 | 1466 | 3 13 57 | 141 22 59 | 34.758 | -2 6 41 | 34.734 | -161813.748 | -45866.363 | 1466 | 1.486 | 1.000 | 20.659 |
| T-6 | 1467 | 2 18 55 | 140 27 57 | 29.240 | -2 18 41 | 29.216 | -161809.142 | -45869.444 | 1467 | 1.486 | 1.000 | 20.761 |
| T-6 | 1468 | 1 57 26 | 140 6 28 | 27.733 | -2 21 17 | 27.710 | -161807.870 | -45870.269 | 1468 | 1.486 | 1.000 | 20.801 |
| T-6 | 1469 | 1 34 0 | 139 43 2 | 26.103 | -2 32 38 | 26.077 | -161806.502 | -45871.181 | 1469 | 1.486 | 1.000 | 20.781 |
| T-6 | 1470 | 1 26 29 | 139 35 31 | 25.392 | -2 30 5 | 25.368 | -161805.925 | -45871.597 | 1470 | 1.486 | 1.000 | 20.832 |
| T-6 | 1471 | 359 43 38 | 137 52 40 | 20.379 | -2 58 32 | 20.352 | -161801.704 | -45874.391 | 1471 | 1.486 | 1.000 | 20.882 |

多角測量計算簿

路線名 L08101355

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-6 | 1472 | 357 57 50 | 136 6 52 | 17.017 | -3 20 27 | 16.988 | -161798.853 | -45876.265 | 1472 | 1.486 | 1.000 | 20.948 |
| T-6 | 1473 | 354 48 43 | 132 57 45 | 13.262 | -3 55 37 | 13.231 | -161795.626 | -45878.359 | 1473 | 1.486 | 1.000 | 21.032 |
| T-6 | 1474 | 354 6 23 | 132 15 25 | 12.592 | -4 4 5 | 12.560 | -161795.055 | -45878.745 | 1474 | 1.486 | 1.000 | 21.047 |
| T-6 | 1475 | 352 49 48 | 130 58 50 | 11.590 | -4 19 40 | 11.557 | -161794.188 | -45879.316 | 1475 | 1.486 | 1.000 | 21.065 |
| T-6 | 1476 | 352 13 39 | 130 22 41 | 10.963 | -4 28 39 | 10.930 | -161793.690 | -45879.715 | 1476 | 1.486 | 1.000 | 21.084 |
| T-6 | 1477 | 351 48 8 | 129 57 10 | 10.363 | -4 39 23 | 10.329 | -161793.242 | -45880.123 | 1477 | 1.486 | 1.000 | 21.099 |
| T-6 | 1478 | 351 58 3 | 130 7 5 | 9.712 | -4 52 45 | 9.677 | -161792.845 | -45880.641 | 1478 | 1.486 | 1.000 | 21.114 |
| T-6 | 1479 | 352 38 0 | 130 47 2 | 9.107 | -5 13 17 | 9.069 | -161792.533 | -45881.174 | 1479 | 1.486 | 1.000 | 21.111 |
| T-6 | 1480 | 354 8 46 | 132 17 48 | 8.498 | -5 27 4 | 8.460 | -161792.302 | -45881.783 | 1480 | 1.486 | 1.000 | 21.133 |
| T-6 | 1481 | 356 28 38 | 134 37 40 | 7.973 | -5 46 7 | 7.933 | -161792.182 | -45882.395 | 1481 | 1.486 | 1.000 | 21.139 |
| T-6 | 1482 | 359 37 42 | 137 46 44 | 7.495 | -6 3 45 | 7.453 | -161792.128 | -45883.033 | 1482 | 1.486 | 1.000 | 21.148 |
| T-6 | 1483 | 3 18 32 | 141 27 34 | 7.118 | -6 27 38 | 7.073 | -161792.141 | -45883.634 | 1483 | 1.486 | 1.000 | 21.139 |
| T-6 | 1484 | 8 9 16 | 146 18 18 | 6.824 | -6 31 48 | 6.780 | -161792.250 | -45884.280 | 1484 | 1.486 | 1.000 | 21.164 |
| T-6 | 1485 | 13 16 16 | 151 25 18 | 6.675 | -6 33 35 | 6.631 | -161792.432 | -45884.869 | 1485 | 1.486 | 1.000 | 21.177 |
| T-6 | 1486 | 350 15 51 | 128 24 53 | 12.277 | -8 39 17 | 12.137 | -161794.150 | -45878.531 | 1486 | 1.486 | 1.000 | 20.093 |
| T-6 | 1487 | 327 32 35 | 105 41 37 | 15.411 | -6 10 36 | 15.322 | -161790.753 | -45873.290 | 1487 | 1.486 | 1.000 | 20.282 |
| T-6 | 1488 | 65 22 1 | 203 31 3 | 11.032 | -3 3 22 | 11.016 | -161796.710 | -45892.437 | 1488 | 1.486 | 1.000 | 21.352 |
| T-6 | 1489 | 21 4 57 | 159 13 59 | 6.224 | -7 1 35 | 6.177 | -161792.385 | -45885.851 | 1489 | 1.486 | 1.000 | 21.179 |
| T-6 | 1490 | 54 5 15 | 192 14 17 | 9.421 | -4 11 51 | 9.396 | -161795.791 | -45890.033 | 1490 | 1.486 | 1.000 | 21.250 |
| T-6 | 1491 | 11 12 41 | 149 21 43 | 27.625 | -2 30 45 | 27.598 | -161810.354 | -45873.977 | 1491 | 1.486 | 1.000 | 20.729 |
| T-6 | 1492 | 17 53 14 | 156 2 16 | 27.904 | 0 4 16 | 27.904 | -161812.108 | -45876.708 | 1492 | 1.486 | 1.000 | 21.975 |
| T-6 | 1493 | 21 52 46 | 160 1 48 | 28.303 | -1 20 6 | 28.295 | -161813.203 | -45878.377 | 1493 | 1.486 | 1.000 | 21.281 |
| T-6 | 1494 | 19 40 5 | 157 49 7 | 32.650 | -1 20 27 | 32.641 | -161816.834 | -45875.718 | 1494 | 1.486 | 1.000 | 21.176 |
| T-6 | 1495 | 10 51 45 | 149 0 47 | 32.108 | -2 17 28 | 32.082 | -161814.112 | -45871.524 | 1495 | 1.486 | 1.000 | 20.656 |
| T-6 | 1496 | 32 37 13 | 170 46 15 | 8.107 | -2 5 39 | 8.102 | -161794.606 | -45886.742 | 1496 | 1.486 | 1.000 | 21.644 |
| T-6 | 1497 | 30 56 14 | 169 5 16 | 8.663 | -1 55 28 | 8.658 | -161795.110 | -45886.402 | 1497 | 1.486 | 1.000 | 21.649 |
| T-6 | 1498 | 29 32 27 | 167 41 29 | 9.214 | -1 45 26 | 9.210 | -161795.607 | -45886.078 | 1498 | 1.486 | 1.000 | 21.657 |
| T-6 | 1499 | 28 18 6 | 166 27 8 | 9.777 | -1 36 38 | 9.773 | -161796.110 | -45885.752 | 1499 | 1.486 | 1.000 | 21.665 |
| T-6 | 1500 | 24 38 43 | 162 47 45 | 9.859 | -1 34 35 | 9.855 | -161796.023 | -45885.126 | 1500 | 1.486 | 1.000 | 21.669 |
| T-6 | 1501 | 46 10 59 | 184 20 1 | 11.944 | -1 36 4 | 11.939 | -161798.514 | -45888.943 | 1501 | 1.486 | 1.000 | 21.606 |
| T-6 | 1502 | 16 19 50 | 154 28 52 | 24.414 | -0 40 31 | 24.412 | -161808.639 | -45877.524 | 1502 | 1.486 | 1.000 | 21.652 |
| T-6 | 1503 | 19 15 39 | 157 24 41 | 25.338 | -0 42 45 | 25.336 | -161810.001 | -45878.309 | 1503 | 1.486 | 1.000 | 21.625 |
| T-6 | 1504 | 18 31 22 | 156 40 24 | 27.111 | -0 42 49 | 27.109 | -161811.502 | -45877.307 | 1504 | 1.486 | 1.000 | 21.602 |
| T-6 | 1505 | 16 27 5 | 154 36 7 | 26.950 | -0 37 11 | 26.948 | -161810.952 | -45876.483 | 1505 | 1.486 | 1.000 | 21.649 |

多 角 測 量 計 算 簿

路線名 L08101355

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|------|----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-6 | 1506 | 16 44 47 | 154 53 49 | 26.145 | -0 36 52 | 26.143 | -161810.283 | -45876.950 | 1506 | 1.486 | 1.000 | 21.660 |
| T-6 | 1507 | 14 49 55 | 152 58 57 | 25.990 | -0 36 12 | 25.989 | -161809.762 | -45876.235 | 1507 | 1.486 | 1.000 | 21.666 |
| T-6 | 1508 | 19 17 19 | 157 26 21 | 34.841 | -0 57 24 | 34.836 | -161818.779 | -45874.676 | 1508 | 1.486 | 1.000 | 21.358 |
| T-6 | 1509 | 20 1 25 | 158 10 27 | 32.892 | -1 6 58 | 32.886 | -161817.138 | -45875.814 | 1509 | 1.486 | 1.000 | 21.299 |
| T-6 | 1510 | 11 16 32 | 149 25 34 | 36.714 | -1 27 9 | 36.702 | -161818.208 | -45869.373 | 1510 | 1.486 | 0.640 | 21.369 |
| T-6 | 1511 | 17 59 55 | 156 8 57 | 37.229 | -0 14 55 | 37.229 | -161820.659 | -45872.987 | 1511 | 1.486 | 1.320 | 21.458 |
| T-6 | 1512 | 18 27 48 | 156 36 50 | 36.784 | -0 16 4 | 36.784 | -161820.371 | -45873.440 | 1512 | 1.486 | 1.320 | 21.448 |
| T-6 | 1513 | 19 8 28 | 157 17 30 | 34.807 | -0 25 19 | 34.806 | -161818.717 | -45874.604 | 1513 | 1.486 | 1.320 | 21.364 |
| T-6 | 1514 | 25 44 22 | 163 53 24 | 35.922 | -0 20 31 | 35.921 | -161821.119 | -45878.074 | 1514 | 1.486 | 1.320 | 21.406 |

多角測量計算簿

路線名 L08101504

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|-------|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-6 | T-5 | | 138 9 2 | | | | -161786.609 | -45888.041 | T-6 | | | 21.454 |
| T-6 | 1515 | 93 7 53 | 231 16 55 | 11.452 | -2 13 26 | 11.443 | -161793.766 | -45896.969 | 1515 | 1.486 | 1.000 | 21.496 |
| T-6 | 1516 | 80 42 34 | 218 51 36 | 3.659 | -9 18 21 | 3.611 | -161789.421 | -45890.307 | 1516 | 1.486 | 1.000 | 21.348 |
| T-6 | T-6-1 | 192 42 0 | 330 51 2 | 29.241 | 0 7 46 | 29.241 | -161761.071 | -45902.284 | T-6-1 | 1.486 | 0.500 | 22.506 |
| T-6 | 1517 | 221 25 45 | 359 34 47 | 6.607 | -11 8 26 | 6.482 | -161780.127 | -45888.089 | 1517 | 1.486 | 0.500 | 21.163 |
| T-6 | 1518 | 0 0 0 | 138 9 2 | 0.000 | 90 0 0 | 0.000 | -161786.609 | -45888.041 | 1518 | 1.486 | 0.500 | 22.440 |
| T-6 | 1519 | 209 10 28 | 347 19 30 | 10.107 | -6 26 28 | 10.043 | -161776.811 | -45890.245 | 1519 | 1.486 | 0.500 | 21.306 |
| T-6 | 1520 | 251 28 20 | 29 37 22 | 20.617 | -3 4 42 | 20.587 | -161768.713 | -45877.865 | 1520 | 1.486 | 0.500 | 21.333 |
| T-6 | 1521 | 203 17 3 | 341 26 5 | 10.455 | -2 1 33 | 10.448 | -161776.705 | -45891.368 | 1521 | 1.486 | 0.500 | 22.070 |
| T-6 | 1522 | 263 49 49 | 41 58 51 | 20.297 | -1 48 55 | 20.287 | -161771.528 | -45874.471 | 1522 | 1.486 | 0.500 | 21.797 |
| T-6 | 1523 | 230 41 11 | 8 50 13 | 16.587 | 1 5 42 | 16.584 | -161770.222 | -45885.493 | 1523 | 1.486 | 0.500 | 22.757 |
| T-6 | 1524 | 4 46 51 | 142 55 53 | 69.310 | -1 22 27 | 69.290 | -161841.896 | -45846.275 | 1524 | 1.486 | 0.500 | 20.778 |
| T-6 | 1525 | 193 56 40 | 332 5 42 | 31.276 | 0 55 36 | 31.272 | -161758.973 | -45902.677 | 1525 | 1.486 | 0.500 | 22.946 |
| T-6 | 1526 | 286 17 36 | 64 26 38 | 24.025 | -3 44 19 | 23.974 | -161776.267 | -45866.413 | 1526 | 1.486 | 0.500 | 20.873 |
| T-6 | 1527 | 292 2 25 | 70 11 27 | 24.459 | -3 51 4 | 24.404 | -161778.339 | -45865.081 | 1527 | 1.486 | 0.500 | 20.797 |
| T-6 | 1528 | 69 25 56 | 207 34 58 | 2.342 | -40 55 14 | 1.770 | -161788.178 | -45888.861 | 1528 | 1.486 | 0.500 | 20.906 |
| T-6 | 1529 | 32 19 6 | 170 28 8 | 4.063 | -23 51 41 | 3.716 | -161790.274 | -45887.426 | 1529 | 1.486 | 0.500 | 20.796 |
| T-6 | T-6-2 | 220 34 55 | 358 43 57 | 39.923 | 1 1 43 | 39.917 | -161746.702 | -45888.924 | T-6-2 | 1.486 | 1.000 | 22.657 |
| T-6 | T-6-3 | 303 34 40 | 81 43 42 | 22.936 | -3 4 2 | 22.903 | -161783.314 | -45865.376 | T-6-3 | 1.486 | 0.500 | 21.213 |
| T-6 | 1530 | 331 54 25 | 110 3 27 | 42.962 | 9 41 22 | 42.349 | -161801.133 | -45848.260 | 1530 | 1.486 | 0.500 | 29.671 |
| T-6 | 1531 | 331 20 59 | 109 30 1 | 42.472 | 10 5 39 | 41.815 | -161800.567 | -45848.624 | 1531 | 1.486 | 0.500 | 29.884 |
| T-6 | 1532 | 328 7 35 | 106 16 37 | 44.393 | 9 44 56 | 43.752 | -161798.872 | -45846.043 | 1532 | 1.486 | 0.500 | 29.957 |
| T-6 | 1533 | 326 59 11 | 105 8 13 | 43.414 | 9 53 30 | 42.769 | -161797.777 | -45846.756 | 1533 | 1.486 | 0.500 | 29.898 |
| T-6 | 1534 | 318 4 56 | 96 13 58 | 50.800 | 8 14 14 | 50.276 | -161792.067 | -45838.062 | 1534 | 1.486 | 0.500 | 29.718 |
| T-6 | T-6-4 | 346 40 49 | 124 49 51 | 59.113 | -2 13 20 | 59.069 | -161820.346 | -45839.555 | T-6-4 | 1.486 | 1.000 | 19.648 |
| T-6 | 1535 | 314 19 7 | 92 28 9 | 29.967 | 12 22 7 | 29.271 | -161787.870 | -45858.797 | 1535 | 1.486 | 1.000 | 28.359 |
| T-6 | 1536 | 305 20 49 | 83 29 51 | 27.374 | 13 27 15 | 26.623 | -161783.594 | -45861.589 | 1536 | 1.486 | 1.000 | 28.309 |
| T-6 | 1537 | 304 34 14 | 82 43 16 | 28.083 | 13 11 22 | 27.342 | -161783.145 | -45860.919 | 1537 | 1.486 | 1.000 | 28.348 |
| T-6 | 1538 | 301 37 21 | 79 46 23 | 27.402 | 12 42 12 | 26.731 | -161781.863 | -45861.735 | 1538 | 1.486 | 1.000 | 27.966 |
| T-6 | 1539 | 295 3 30 | 73 12 32 | 37.460 | 9 12 54 | 36.977 | -161775.927 | -45852.641 | 1539 | 1.486 | 1.000 | 27.939 |
| T-6 | 1540 | 96 15 15 | 234 24 17 | 10.463 | 1 58 12 | 10.457 | -161792.696 | -45896.544 | 1540 | 1.486 | 1.000 | 22.300 |
| T-6 | 1541 | 82 22 8 | 220 31 10 | 1.572 | 11 56 12 | 1.538 | -161787.778 | -45889.040 | 1541 | 1.486 | 1.000 | 22.265 |
| T-6 | 1542 | 172 6 11 | 310 15 13 | 5.245 | 3 31 57 | 5.235 | -161783.226 | -45892.036 | 1542 | 1.486 | 1.000 | 22.263 |
| T-6 | 1543 | 179 58 41 | 318 7 43 | 9.935 | 1 38 58 | 9.931 | -161779.214 | -45894.670 | 1543 | 1.486 | 1.000 | 22.226 |

多角測量計算簿

路線名 L08101504

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-6 | 1544 | 183 10 24 | 321 19 26 | 15.362 | 0 42 40 | 15.361 | -161774.617 | -45897.640 | 1544 | 1.486 | 1.000 | 22.131 |
| T-6 | 1545 | 179 46 48 | 317 55 50 | 14.991 | 0 13 15 | 14.991 | -161775.481 | -45898.085 | 1545 | 1.486 | 1.000 | 21.998 |
| T-6 | 1546 | 178 40 32 | 316 49 34 | 13.262 | 0 41 5 | 13.261 | -161776.938 | -45897.114 | 1546 | 1.486 | 1.000 | 22.098 |
| T-6 | 1547 | 97 31 20 | 235 40 22 | 2.337 | 8 18 59 | 2.312 | -161787.913 | -45889.950 | 1547 | 1.486 | 1.000 | 22.278 |
| T-6 | 1548 | 153 54 57 | 292 3 59 | 2.739 | 6 59 38 | 2.719 | -161785.588 | -45890.561 | 1548 | 1.486 | 1.000 | 22.274 |
| T-6 | 1549 | 116 50 46 | 254 59 48 | 7.109 | 15 45 41 | 6.842 | -161788.380 | -45894.650 | 1549 | 1.486 | 1.000 | 23.871 |
| T-6 | 1550 | 56 41 12 | 194 50 14 | 0.921 | -35 30 15 | 0.750 | -161787.334 | -45888.233 | 1550 | 1.486 | 1.000 | 21.405 |
| T-6 | 1551 | 292 56 6 | 71 5 8 | 0.784 | -40 47 40 | 0.594 | -161786.416 | -45887.479 | 1551 | 1.486 | 1.000 | 21.428 |
| T-6 | 1552 | 270 25 31 | 48 34 33 | 1.260 | -23 3 36 | 1.159 | -161785.842 | -45887.172 | 1552 | 1.486 | 1.000 | 21.446 |
| T-6 | 1553 | 260 23 41 | 38 32 43 | 1.806 | -14 58 22 | 1.745 | -161785.244 | -45886.954 | 1553 | 1.486 | 1.000 | 21.473 |
| T-6 | 1554 | 247 41 23 | 25 50 25 | 2.934 | -8 19 4 | 2.903 | -161783.996 | -45886.776 | 1554 | 1.486 | 1.000 | 21.516 |
| T-6 | 1555 | 242 7 25 | 20 16 27 | 3.519 | -6 36 44 | 3.496 | -161783.330 | -45886.830 | 1555 | 1.486 | 1.000 | 21.535 |
| T-6 | 1556 | 236 42 4 | 14 51 6 | 4.054 | -5 30 38 | 4.035 | -161782.709 | -45887.007 | 1556 | 1.486 | 1.000 | 21.551 |
| T-6 | 1557 | 231 36 23 | 9 45 25 | 4.577 | -4 40 7 | 4.562 | -161782.113 | -45887.268 | 1557 | 1.486 | 1.000 | 21.567 |
| T-6 | 1558 | 227 10 38 | 5 19 40 | 5.095 | -4 0 26 | 5.083 | -161781.548 | -45887.569 | 1558 | 1.486 | 1.000 | 21.584 |
| T-6 | 1559 | 223 58 7 | 2 7 9 | 5.537 | -3 31 36 | 5.527 | -161781.086 | -45887.837 | 1559 | 1.486 | 1.000 | 21.599 |
| T-6 | 1560 | 224 3 9 | 2 12 11 | 5.518 | -3 33 25 | 5.507 | -161781.106 | -45887.829 | 1560 | 1.486 | 1.000 | 21.598 |
| T-6 | 1561 | 219 54 23 | 358 3 25 | 6.103 | -2 58 3 | 6.095 | -161780.518 | -45888.248 | 1561 | 1.486 | 1.000 | 21.624 |
| T-6 | 1562 | 206 39 57 | 344 48 59 | 10.305 | -0 46 43 | 10.304 | -161776.665 | -45890.740 | 1562 | 1.486 | 1.000 | 21.800 |
| T-6 | 1563 | 205 32 35 | 343 41 37 | 10.233 | -0 31 16 | 10.233 | -161776.788 | -45890.914 | 1563 | 1.486 | 1.000 | 21.847 |
| T-6 | 1564 | 199 11 37 | 337 20 39 | 9.934 | -0 37 2 | 9.933 | -161777.442 | -45891.867 | 1564 | 1.486 | 1.000 | 21.833 |
| T-6 | 1565 | 198 19 16 | 336 28 18 | 10.034 | -0 35 4 | 10.033 | -161777.410 | -45892.046 | 1565 | 1.486 | 1.000 | 21.838 |
| T-6 | 1566 | 196 17 34 | 334 26 36 | 12.708 | -0 2 6 | 12.708 | -161775.144 | -45893.523 | 1566 | 1.486 | 1.000 | 21.932 |
| T-6 | 1567 | 196 17 34 | 334 26 36 | 12.714 | -0 2 6 | 12.714 | -161775.139 | -45893.526 | 1567 | 1.486 | 1.000 | 21.932 |
| T-6 | 1568 | 195 13 37 | 333 22 39 | 14.773 | 0 13 19 | 14.773 | -161773.402 | -45894.661 | 1568 | 1.486 | 1.000 | 21.997 |
| T-6 | 1569 | 195 38 38 | 333 47 40 | 14.906 | 0 11 43 | 14.906 | -161773.235 | -45894.623 | 1569 | 1.486 | 1.000 | 21.991 |
| T-6 | 1570 | 200 3 1 | 338 12 3 | 15.114 | 0 20 41 | 15.114 | -161772.576 | -45893.654 | 1570 | 1.486 | 1.000 | 22.031 |
| T-6 | 1571 | 200 48 32 | 338 57 34 | 15.156 | 0 4 36 | 15.156 | -161772.464 | -45893.482 | 1571 | 1.486 | 1.000 | 21.960 |
| T-6 | 1572 | 197 46 20 | 335 55 22 | 20.332 | 0 33 29 | 20.331 | -161768.047 | -45896.335 | 1572 | 1.486 | 1.000 | 22.138 |
| T-6 | 1573 | 197 9 29 | 335 18 31 | 20.273 | 0 47 41 | 20.271 | -161768.191 | -45896.509 | 1573 | 1.486 | 1.000 | 22.221 |
| T-6 | 1574 | 193 51 12 | 332 0 14 | 20.131 | 0 44 7 | 20.129 | -161768.836 | -45897.490 | 1574 | 1.486 | 1.000 | 22.198 |
| T-6 | 1575 | 193 27 49 | 331 36 51 | 20.241 | 0 44 22 | 20.239 | -161768.803 | -45897.663 | 1575 | 1.486 | 1.000 | 22.201 |
| T-6 | 1576 | 192 34 40 | 330 43 42 | 24.655 | 0 55 8 | 24.652 | -161765.105 | -45900.095 | 1576 | 1.486 | 1.000 | 22.335 |
| T-6 | 1577 | 192 50 10 | 330 59 12 | 24.829 | 0 55 13 | 24.826 | -161764.899 | -45900.082 | 1577 | 1.486 | 1.000 | 22.339 |

多角測量計算簿

路線名 L08101504

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-6 | 1578 | 195 33 40 | 333 42 42 | 24.965 | 0 56 23 | 24.962 | -161764.229 | -45899.096 | 1578 | 1.486 | 1.000 | 22.349 |
| T-6 | 1579 | 196 17 41 | 334 26 43 | 23.990 | 0 45 8 | 23.988 | -161764.968 | -45898.389 | 1579 | 1.486 | 1.000 | 22.255 |
| T-6 | 1580 | 196 5 2 | 334 14 4 | 24.707 | 0 49 22 | 24.704 | -161764.361 | -45898.780 | 1580 | 1.486 | 1.000 | 22.295 |
| T-6 | 1581 | 194 44 55 | 332 53 57 | 30.202 | 0 58 48 | 30.198 | -161759.727 | -45901.798 | 1581 | 1.486 | 1.000 | 22.457 |
| T-6 | 1582 | 194 20 49 | 332 29 51 | 30.142 | 1 6 35 | 30.136 | -161759.879 | -45901.957 | 1582 | 1.486 | 1.000 | 22.524 |
| T-6 | 1583 | 192 8 18 | 330 17 20 | 30.053 | 1 7 47 | 30.047 | -161760.512 | -45902.933 | 1583 | 1.486 | 1.000 | 22.533 |
| T-6 | 1584 | 191 51 27 | 330 0 29 | 30.157 | 1 7 51 | 30.151 | -161760.495 | -45903.113 | 1584 | 1.486 | 1.000 | 22.535 |
| T-6 | 1585 | 191 34 13 | 329 43 15 | 33.455 | 1 9 23 | 33.448 | -161757.724 | -45904.906 | 1585 | 1.486 | 1.000 | 22.615 |
| T-6 | 1586 | 191 16 11 | 329 25 13 | 36.830 | 1 11 48 | 36.822 | -161754.908 | -45906.774 | 1586 | 1.486 | 1.000 | 22.709 |
| T-6 | 1587 | 191 29 46 | 329 38 48 | 37.008 | 1 13 30 | 37.000 | -161754.681 | -45906.738 | 1587 | 1.486 | 1.000 | 22.731 |
| T-6 | 1588 | 192 33 7 | 330 42 9 | 37.073 | 1 14 44 | 37.064 | -161754.286 | -45906.178 | 1588 | 1.486 | 1.000 | 22.746 |
| T-6 | 1589 | 193 42 59 | 331 52 1 | 36.252 | 1 6 51 | 36.245 | -161754.646 | -45905.131 | 1589 | 1.486 | 1.000 | 22.645 |
| T-6 | 1590 | 192 42 46 | 330 51 48 | 42.309 | 1 18 34 | 42.298 | -161749.663 | -45908.636 | 1590 | 1.486 | 1.000 | 22.907 |
| T-6 | 1591 | 191 9 1 | 329 18 3 | 42.242 | 1 17 43 | 42.231 | -161750.296 | -45909.601 | 1591 | 1.486 | 1.000 | 22.895 |
| T-6 | 1592 | 190 57 18 | 329 6 20 | 42.367 | 1 17 9 | 42.356 | -161750.263 | -45909.789 | 1592 | 1.486 | 1.000 | 22.891 |
| T-6 | 1593 | 190 40 10 | 328 49 12 | 47.513 | 1 20 22 | 47.500 | -161745.971 | -45912.633 | 1593 | 1.486 | 1.000 | 23.051 |
| T-6 | 1594 | 190 27 39 | 328 36 41 | 53.628 | 1 26 42 | 53.611 | -161740.844 | -45915.964 | 1594 | 1.486 | 1.000 | 23.292 |
| T-6 | 1595 | 190 18 56 | 328 27 58 | 59.169 | 1 30 21 | 59.149 | -161736.195 | -45918.976 | 1595 | 1.486 | 1.000 | 23.495 |
| T-6 | 1596 | 190 15 38 | 328 24 40 | 61.069 | 1 31 7 | 61.048 | -161734.607 | -45920.019 | 1596 | 1.486 | 1.000 | 23.558 |
| T-6 | 1597 | 190 22 18 | 328 31 20 | 61.185 | 1 30 55 | 61.164 | -161734.446 | -45919.979 | 1597 | 1.486 | 1.000 | 23.558 |
| T-6 | 1598 | 191 26 50 | 329 35 52 | 61.228 | 1 32 42 | 61.206 | -161733.819 | -45919.015 | 1598 | 1.486 | 1.000 | 23.591 |
| T-6 | 1599 | 188 0 33 | 326 9 35 | 61.393 | 1 29 3 | 61.372 | -161735.634 | -45922.218 | 1599 | 1.486 | 1.000 | 23.530 |
| T-6 | 1600 | 187 56 11 | 326 5 13 | 56.100 | 1 26 15 | 56.082 | -161740.067 | -45919.331 | 1600 | 1.486 | 1.000 | 23.347 |
| T-6 | 1601 | 187 52 28 | 326 1 30 | 51.089 | 1 19 14 | 51.075 | -161744.253 | -45916.583 | 1601 | 1.486 | 1.000 | 23.117 |
| T-6 | 1602 | 187 47 5 | 325 56 7 | 45.411 | 1 12 25 | 45.401 | -161748.999 | -45913.471 | 1602 | 1.486 | 1.000 | 22.897 |
| T-6 | 1603 | 187 44 20 | 325 53 22 | 41.501 | 1 9 43 | 41.492 | -161752.255 | -45911.309 | 1603 | 1.486 | 1.000 | 22.782 |
| T-6 | 1604 | 187 31 42 | 325 40 44 | 35.523 | 1 4 42 | 35.517 | -161757.276 | -45908.067 | 1604 | 1.486 | 1.000 | 22.609 |
| T-6 | 1605 | 187 18 44 | 325 27 46 | 29.280 | 0 55 48 | 29.276 | -161762.493 | -45904.639 | 1605 | 1.486 | 1.000 | 22.415 |
| T-6 | 1606 | 187 3 43 | 325 12 45 | 25.311 | 0 47 42 | 25.309 | -161765.823 | -45902.481 | 1606 | 1.486 | 1.000 | 22.291 |
| T-6 | 1607 | 186 35 29 | 324 44 31 | 19.349 | 0 27 58 | 19.348 | -161770.810 | -45899.210 | 1607 | 1.486 | 1.000 | 22.097 |
| T-6 | 1608 | 185 44 29 | 323 53 31 | 13.970 | -0 6 33 | 13.970 | -161775.323 | -45896.274 | 1608 | 1.486 | 1.000 | 21.913 |
| T-6 | 1609 | 184 12 0 | 322 21 2 | 8.982 | -1 22 50 | 8.979 | -161779.500 | -45893.526 | 1609 | 1.486 | 1.000 | 21.724 |
| T-6 | 1610 | 177 0 13 | 315 9 15 | 3.525 | -6 45 45 | 3.500 | -161784.127 | -45890.509 | 1610 | 1.486 | 1.000 | 21.525 |
| T-6 | 1611 | 60 45 58 | 198 55 0 | 1.045 | -31 17 46 | 0.893 | -161787.454 | -45888.331 | 1611 | 1.486 | 1.000 | 21.397 |

多 角 測 量 計 算 簿

路線名 L08101504

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-6 | 1612 | 254 33 28 | 32 42 30 | 36.780 | 2 27 11 | 36.746 | -161755.690 | -45868.185 | 1612 | 1.486 | 1.000 | 23.514 |
| T-6 | 1613 | 249 3 51 | 27 12 53 | 30.603 | 2 31 14 | 30.573 | -161759.420 | -45874.059 | 1613 | 1.486 | 1.000 | 23.286 |
| T-6 | 1614 | 250 37 6 | 28 46 8 | 44.792 | 7 52 59 | 44.369 | -161747.717 | -45866.687 | 1614 | 1.486 | 1.000 | 28.083 |
| T-6 | 1615 | 240 24 37 | 18 33 39 | 34.205 | 10 20 56 | 33.649 | -161754.710 | -45877.330 | 1615 | 1.486 | 1.000 | 28.085 |
| T-6 | 1616 | 231 51 50 | 10 0 52 | 39.036 | 9 2 57 | 38.550 | -161748.646 | -45881.337 | 1616 | 1.486 | 1.000 | 28.080 |
| T-6 | 1617 | 246 10 49 | 24 19 51 | 28.285 | 5 59 56 | 28.130 | -161760.977 | -45876.451 | 1617 | 1.486 | 1.000 | 24.896 |
| T-6 | 1618 | 247 49 54 | 25 58 56 | 29.610 | 7 8 43 | 29.380 | -161760.198 | -45875.170 | 1618 | 1.486 | 1.000 | 25.623 |
| T-6 | 1619 | 231 37 34 | 9 46 36 | 61.264 | 9 10 5 | 60.481 | -161727.006 | -45877.771 | 1619 | 1.486 | 1.000 | 31.701 |
| T-6 | 1620 | 219 14 54 | 357 23 56 | 52.448 | 10 42 13 | 51.535 | -161735.127 | -45890.380 | 1620 | 1.486 | 1.000 | 31.681 |
| T-6 | 1621 | 218 57 37 | 357 6 39 | 52.628 | 10 42 14 | 51.712 | -161734.963 | -45890.648 | 1621 | 1.486 | 1.000 | 31.715 |
| T-6 | 1622 | 218 27 53 | 356 36 55 | 52.392 | 10 42 13 | 51.480 | -161735.219 | -45891.080 | 1622 | 1.486 | 1.000 | 31.671 |
| T-6 | 1623 | 218 18 13 | 356 27 15 | 52.646 | 10 42 14 | 51.730 | -161734.978 | -45891.240 | 1623 | 1.486 | 1.000 | 31.718 |
| T-6 | 1624 | 217 52 30 | 356 1 32 | 52.969 | 10 42 14 | 52.047 | -161734.687 | -45891.649 | 1624 | 1.486 | 1.000 | 31.778 |
| T-6 | 1625 | 217 37 59 | 355 47 1 | 52.736 | 10 1 25 | 51.931 | -161734.819 | -45891.859 | 1625 | 1.486 | 1.000 | 31.119 |
| T-6 | 1626 | 213 33 56 | 351 42 58 | 60.504 | 9 17 15 | 59.711 | -161727.521 | -45896.644 | 1626 | 1.486 | 1.000 | 31.705 |
| T-6 | 1627 | 213 17 24 | 351 26 26 | 71.510 | 5 40 41 | 71.159 | -161716.243 | -45898.632 | 1627 | 1.486 | 1.000 | 29.015 |
| T-6 | 1628 | 211 39 23 | 349 48 25 | 76.301 | 5 19 33 | 75.972 | -161711.836 | -45901.486 | 1628 | 1.486 | 1.000 | 29.022 |
| T-6 | 1629 | 209 35 48 | 347 44 50 | 79.598 | 5 12 35 | 79.269 | -161709.146 | -45904.864 | 1629 | 1.486 | 1.000 | 29.168 |
| T-6 | 1630 | 338 41 50 | 116 50 52 | 13.968 | -7 12 53 | 13.857 | -161792.867 | -45875.678 | 1630 | 1.486 | 1.000 | 20.186 |
| T-6 | 1631 | 350 55 29 | 129 4 31 | 22.857 | -5 1 4 | 22.769 | -161800.961 | -45870.365 | 1631 | 1.486 | 1.000 | 19.941 |
| T-6 | 1632 | 353 56 48 | 132 5 50 | 27.651 | -4 23 16 | 27.570 | -161805.092 | -45867.584 | 1632 | 1.486 | 1.000 | 19.825 |
| T-6 | 1633 | 217 3 16 | 355 12 18 | 14.635 | -3 41 38 | 14.605 | -161772.055 | -45889.262 | 1633 | 1.486 | 1.000 | 20.997 |
| T-6 | 1634 | 209 59 4 | 348 8 6 | 19.129 | -2 19 53 | 19.113 | -161767.904 | -45891.971 | 1634 | 1.486 | 1.000 | 21.162 |
| T-6 | 1635 | 205 35 12 | 343 44 14 | 23.856 | -1 28 5 | 23.848 | -161763.715 | -45894.720 | 1635 | 1.486 | 1.000 | 21.329 |

多角測量計算簿

路線名 L08101649

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-6 | T-5 | | 138 9 2 | | | | -161786.609 | -45888.041 | T-6 | | | 21.454 |
| T-6 | 1636 | 357 32 45 | 135 41 47 | 4.123 | -23 14 19 | 3.788 | -161789.320 | -45885.395 | 1636 | 1.486 | 1.000 | 20.313 |
| T-6 | 1637 | 34 39 35 | 172 48 37 | 6.026 | -6 34 34 | 5.986 | -161792.548 | -45887.292 | 1637 | 1.486 | 1.000 | 21.250 |
| T-6 | 1638 | 5 40 31 | 143 49 33 | 7.889 | -5 34 47 | 7.852 | -161792.947 | -45883.406 | 1638 | 1.486 | 1.000 | 21.173 |
| T-6 | 1639 | 7 10 3 | 145 19 5 | 50.143 | -1 50 4 | 50.117 | -161827.821 | -45859.523 | 1639 | 1.486 | 1.000 | 20.335 |
| T-6 | 1640 | 12 44 23 | 150 53 25 | 7.435 | -6 9 21 | 7.392 | -161793.067 | -45884.445 | 1640 | 1.486 | 1.000 | 21.143 |
| T-6 | 1641 | 56 42 31 | 194 51 33 | 0.935 | -34 52 50 | 0.767 | -161787.350 | -45888.238 | 1641 | 1.486 | 1.000 | 21.405 |
| T-6 | 1642 | 206 13 36 | 344 22 38 | 1.054 | -24 46 11 | 0.957 | -161785.687 | -45888.299 | 1642 | 1.486 | 1.000 | 21.498 |
| T-6 | 1643 | 251 52 25 | 30 1 27 | 11.702 | -0 39 44 | 11.701 | -161776.478 | -45882.186 | 1643 | 1.486 | 1.000 | 21.805 |
| T-6 | 1644 | 254 51 46 | 33 0 48 | 13.028 | -0 30 10 | 13.027 | -161775.685 | -45880.943 | 1644 | 1.486 | 1.000 | 21.826 |
| T-6 | 1645 | 263 44 53 | 41 53 55 | 12.333 | -0 52 10 | 12.332 | -161777.430 | -45879.806 | 1645 | 1.486 | 1.000 | 21.753 |
| T-6 | 1646 | 265 55 2 | 44 4 4 | 12.025 | -0 57 43 | 12.023 | -161777.970 | -45879.679 | 1646 | 1.486 | 1.000 | 21.738 |
| T-6 | 1647 | 266 23 51 | 44 32 53 | 11.439 | -1 0 22 | 11.437 | -161778.458 | -45880.018 | 1647 | 1.486 | 1.000 | 21.739 |
| T-6 | 1648 | 264 39 4 | 42 48 6 | 10.966 | -1 10 22 | 10.964 | -161778.565 | -45880.591 | 1648 | 1.486 | 1.000 | 21.716 |
| T-6 | 1649 | 261 33 52 | 39 42 54 | 10.935 | -0 59 22 | 10.933 | -161778.199 | -45881.055 | 1649 | 1.486 | 1.000 | 21.751 |
| T-6 | t100 | 7 54 58 | 146 4 0 | 29.549 | -2 19 51 | 29.525 | -161811.106 | -45871.559 | t100 | 1.486 | 1.000 | 20.738 |
| T-6 | t101 | 10 33 16 | 148 42 18 | 30.129 | -3 7 23 | 30.084 | -161812.316 | -45872.414 | t101 | 1.486 | 1.000 | 20.299 |
| T-6 | t102 | 25 46 19 | 163 55 21 | 31.138 | -1 3 11 | 31.133 | -161816.524 | -45879.419 | t102 | 1.486 | 1.000 | 21.368 |
| T-6 | t103 | 34 47 9 | 172 56 11 | 17.526 | -0 30 22 | 17.525 | -161804.001 | -45885.886 | t103 | 1.486 | 1.000 | 21.785 |
| T-6 | t104 | 67 3 55 | 205 12 57 | 12.052 | -4 52 36 | 12.008 | -161797.473 | -45893.157 | t104 | 1.486 | 1.000 | 20.915 |
| T-6 | t105 | 78 53 3 | 217 2 5 | 10.825 | -2 23 4 | 10.816 | -161795.243 | -45894.555 | t105 | 1.486 | 1.000 | 21.490 |
| T-6 | t106 | 93 58 3 | 232 7 5 | 10.447 | -0 41 47 | 10.446 | -161793.023 | -45896.286 | t106 | 1.486 | 1.800 | 21.013 |
| T-6 | t107 | 88 11 56 | 226 20 58 | 4.136 | -4 9 34 | 4.125 | -161789.456 | -45891.026 | t107 | 1.486 | 1.800 | 20.840 |
| T-6 | 1650 | 85 1 10 | 223 10 12 | 2.946 | -7 17 15 | 2.922 | -161788.740 | -45890.040 | 1650 | 1.486 | 1.800 | 20.766 |

多角測量計算簿

路線名 L08101713

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-6 | T-5 | | 138 9 2 | | | | -161786.609 | -45888.041 | T-6 | | | 21.454 |
| T-6 | t108 | 91 34 21 | 229 43 23 | 6.977 | -2 3 3 | 6.973 | -161791.117 | -45893.361 | t108 | 1.486 | 1.800 | 20.890 |
| T-6 | t109 | 57 40 10 | 195 49 12 | 9.649 | -2 25 43 | 9.640 | -161795.884 | -45890.669 | t109 | 1.486 | 1.800 | 20.731 |
| T-6 | t110 | 20 27 53 | 158 36 55 | 6.498 | -5 10 10 | 6.472 | -161792.635 | -45885.681 | t110 | 1.486 | 1.800 | 20.555 |
| T-6 | t111 | 18 52 12 | 157 1 14 | 6.487 | -5 11 40 | 6.460 | -161792.556 | -45885.519 | t111 | 1.486 | 1.800 | 20.553 |
| T-6 | 1651 | 15 5 8 | 153 14 10 | 6.198 | -6 22 18 | 6.160 | -161792.109 | -45885.267 | 1651 | 1.486 | 1.800 | 20.452 |
| T-6 | 1652 | 15 0 54 | 153 9 56 | 6.577 | -6 0 45 | 6.541 | -161792.446 | -45885.088 | 1652 | 1.486 | 1.800 | 20.451 |
| T-6 | t112 | 15 32 49 | 153 41 51 | 6.429 | -6 12 24 | 6.391 | -161792.338 | -45885.209 | t112 | 1.486 | 1.800 | 20.445 |
| T-6 | t113 | 10 35 5 | 148 44 7 | 3.505 | -10 35 33 | 3.445 | -161789.554 | -45886.253 | t113 | 1.486 | 1.800 | 20.496 |
| T-6 | t114 | 69 15 44 | 207 24 46 | 1.640 | -44 35 51 | 1.168 | -161787.646 | -45888.579 | t114 | 1.486 | 1.000 | 20.789 |
| T-6 | t115 | 69 16 47 | 207 25 49 | 1.747 | -48 26 41 | 1.159 | -161787.638 | -45888.575 | t115 | 1.486 | 1.000 | 20.633 |
| T-6 | t116 | 9 33 47 | 147 42 49 | 3.431 | -10 41 19 | 3.371 | -161789.459 | -45886.240 | t116 | 1.486 | 1.000 | 21.304 |
| T-6 | t117 | 15 25 36 | 153 34 38 | 8.645 | -8 0 33 | 8.561 | -161794.276 | -45884.231 | t117 | 1.486 | 1.000 | 20.735 |
| T-6 | t118 | 353 32 46 | 131 41 48 | 12.953 | -5 49 38 | 12.886 | -161795.181 | -45878.419 | t118 | 1.486 | 1.000 | 20.625 |
| T-6 | t119 | 145 59 21 | 284 8 23 | 11.003 | 1 37 59 | 10.999 | -161783.922 | -45898.707 | t119 | 1.486 | 1.000 | 22.254 |
| T-6 | t120 | 185 20 31 | 323 29 33 | 17.511 | -1 42 18 | 17.503 | -161772.540 | -45898.454 | t120 | 1.486 | 1.000 | 21.419 |
| T-6 | t121 | 188 56 46 | 327 5 48 | 17.114 | 0 18 27 | 17.114 | -161772.240 | -45897.338 | t121 | 1.486 | 1.000 | 22.032 |
| T-6 | t122 | 178 43 40 | 316 52 42 | 26.750 | 1 9 58 | 26.744 | -161767.088 | -45906.322 | t122 | 1.486 | 1.000 | 22.484 |
| T-6 | t123 | 189 19 21 | 327 28 23 | 28.041 | 0 57 30 | 28.037 | -161762.970 | -45903.116 | t123 | 1.486 | 1.000 | 22.409 |
| T-6 | t124 | 186 39 5 | 324 48 7 | 28.022 | -0 21 23 | 28.021 | -161763.711 | -45904.192 | t124 | 1.486 | 1.000 | 21.766 |
| T-6 | t125 | 184 21 8 | 322 30 10 | 17.504 | 0 17 33 | 17.504 | -161772.722 | -45898.696 | t125 | 1.486 | 1.000 | 22.029 |
| T-6 | t126 | 185 52 16 | 324 1 18 | 27.037 | 0 51 57 | 27.034 | -161764.732 | -45903.923 | t126 | 1.486 | 1.000 | 22.349 |
| T-6 | 1653 | 193 2 26 | 331 11 28 | 35.664 | 1 45 11 | 35.647 | -161755.374 | -45905.219 | 1653 | 1.486 | 1.000 | 23.031 |
| T-6 | 1654 | 218 11 8 | 356 20 10 | 39.731 | 2 2 32 | 39.706 | -161746.984 | -45890.578 | 1654 | 1.486 | 1.000 | 23.356 |
| T-6 | 1655 | 238 35 35 | 16 44 37 | 25.653 | 2 15 3 | 25.633 | -161762.063 | -45880.656 | 1655 | 1.486 | 1.000 | 22.948 |
| T-6 | 1656 | 291 56 18 | 70 5 20 | 25.315 | 2 50 10 | 25.284 | -161777.998 | -45864.268 | 1656 | 1.486 | 1.000 | 23.193 |
| T-6 | 1657 | 236 34 37 | 14 43 39 | 27.113 | 2 38 53 | 27.084 | -161760.415 | -45881.156 | 1657 | 1.486 | 1.000 | 23.193 |
| T-6 | 1658 | 226 36 9 | 4 45 11 | 32.715 | 1 43 7 | 32.700 | -161754.021 | -45885.331 | 1658 | 1.486 | 1.000 | 22.921 |
| T-6 | 1659 | 220 3 49 | 358 12 51 | 38.503 | 1 33 32 | 38.489 | -161748.139 | -45889.241 | 1659 | 1.486 | 1.000 | 22.987 |
| T-6 | 1660 | 238 32 42 | 16 41 44 | 25.914 | 8 17 22 | 25.643 | -161762.047 | -45880.674 | 1660 | 1.486 | 1.000 | 25.676 |
| T-6 | 1661 | 291 56 4 | 70 5 6 | 25.576 | 8 13 12 | 25.313 | -161777.987 | -45864.242 | 1661 | 1.486 | 1.000 | 25.597 |
| T-6 | 1662 | 218 6 24 | 356 15 26 | 40.167 | 8 18 43 | 39.745 | -161746.949 | -45890.636 | 1662 | 1.486 | 1.000 | 27.747 |
| T-6 | 1663 | 193 4 6 | 331 13 8 | 35.968 | 7 38 7 | 35.649 | -161755.364 | -45905.205 | 1663 | 1.486 | 1.000 | 26.719 |
| T-6 | 1664 | 175 35 28 | 313 44 30 | 30.351 | 3 15 50 | 30.302 | -161765.658 | -45909.933 | 1664 | 1.486 | 1.000 | 23.668 |

多 角 測 量 計 算 簿

路線名 L08101713

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-6 | 1665 | 184 56 1 | 323 5 3 | 29.623 | 2 58 53 | 29.583 | -161762.957 | -45905.810 | 1665 | 1.486 | 1.000 | 23.481 |
| T-6 | 1666 | 180 47 36 | 318 56 38 | 15.237 | 1 45 59 | 15.230 | -161775.125 | -45898.044 | 1666 | 1.486 | 1.000 | 22.410 |
| T-6 | 1667 | 182 26 12 | 320 35 14 | 15.194 | 1 48 36 | 15.186 | -161774.876 | -45897.683 | 1667 | 1.486 | 1.000 | 22.420 |
| T-6 | 1668 | 208 37 40 | 346 46 42 | 73.238 | 2 23 19 | 73.174 | -161715.375 | -45904.777 | 1668 | 1.486 | 1.000 | 24.992 |
| T-6 | 1669 | 207 46 16 | 345 55 18 | 72.857 | 2 23 21 | 72.794 | -161716.001 | -45905.748 | 1669 | 1.486 | 1.000 | 24.977 |
| T-6 | 1670 | 207 42 19 | 345 51 21 | 73.018 | 2 23 22 | 72.955 | -161715.866 | -45905.869 | 1670 | 1.486 | 1.000 | 24.984 |
| T-6 | 1671 | 226 16 27 | 4 25 29 | 39.200 | 1 18 8 | 39.190 | -161747.536 | -45885.018 | 1671 | 1.486 | 1.000 | 22.831 |
| T-6 | 1672 | 224 59 1 | 3 8 3 | 40.383 | 1 13 48 | 40.374 | -161746.295 | -45885.834 | 1672 | 1.486 | 1.000 | 22.807 |
| T-6 | 1673 | 191 42 51 | 329 51 53 | 44.833 | 1 48 12 | 44.811 | -161747.855 | -45910.538 | 1673 | 1.486 | 1.000 | 23.351 |
| T-6 | 1674 | 190 56 52 | 329 5 54 | 59.189 | 1 55 27 | 59.156 | -161735.850 | -45918.422 | 1674 | 1.486 | 1.000 | 23.927 |
| T-6 | 1675 | 190 21 37 | 328 30 39 | 80.125 | 1 55 21 | 80.080 | -161718.322 | -45929.870 | 1675 | 1.486 | 1.000 | 24.628 |
| T-6 | 1676 | 165 35 55 | 303 44 57 | 32.052 | 9 40 14 | 31.597 | -161769.055 | -45914.313 | 1676 | 1.486 | 1.000 | 27.324 |
| T-6 | 1677 | 156 25 20 | 294 34 22 | 23.473 | 9 48 52 | 23.129 | -161776.991 | -45909.075 | 1677 | 1.486 | 1.000 | 25.941 |
| T-6 | 1678 | 156 2 53 | 294 11 55 | 23.970 | 13 19 37 | 23.325 | -161777.048 | -45909.316 | 1678 | 1.486 | 1.000 | 27.465 |
| T-6 | 1679 | 144 32 42 | 282 41 44 | 27.518 | 6 19 39 | 27.350 | -161780.598 | -45914.722 | 1679 | 1.486 | 1.000 | 24.973 |

多角測量計算簿

路線名 L08110849

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|-------|-------|-------|--------|
| T-6-1 | T-6 | | 150 51 2 | | | | -161761.071 | -45902.284 | T-6-1 | | | 22.506 |
| T-6-1 | 1680 | 86 33 43 | 237 24 45 | 9.486 | 9 50 52 | 9.346 | -161766.105 | -45910.159 | 1680 | 1.508 | 1.400 | 24.236 |
| T-6-1 | 1681 | 87 50 5 | 238 41 7 | 3.749 | 25 32 58 | 3.382 | -161762.829 | -45905.173 | 1681 | 1.508 | 1.400 | 24.231 |
| T-6-1 | 1682 | 89 7 43 | 239 58 45 | 4.365 | 18 25 10 | 4.141 | -161763.143 | -45905.869 | 1682 | 1.508 | 1.400 | 23.993 |
| T-6-1 | 1683 | 136 5 28 | 286 56 30 | 6.608 | 11 52 31 | 6.467 | -161759.187 | -45908.470 | 1683 | 1.508 | 1.400 | 23.974 |
| T-6-1 | 1684 | 152 19 19 | 303 10 21 | 10.481 | 7 36 9 | 10.389 | -161755.387 | -45910.980 | 1684 | 1.508 | 1.400 | 24.001 |
| T-6-1 | 1685 | 153 34 19 | 304 25 21 | 11.066 | 7 14 22 | 10.978 | -161754.866 | -45911.340 | 1685 | 1.508 | 1.400 | 24.009 |
| T-6-1 | 1686 | 150 49 24 | 301 40 26 | 11.279 | 7 5 7 | 11.193 | -161755.194 | -45911.810 | 1686 | 1.508 | 1.400 | 24.005 |
| T-6-1 | 1687 | 157 43 55 | 308 34 57 | 13.315 | 6 5 26 | 13.240 | -161752.814 | -45912.634 | 1687 | 1.508 | 1.400 | 24.027 |
| T-6-1 | 1688 | 161 42 38 | 312 33 40 | 17.114 | 4 37 55 | 17.058 | -161749.534 | -45914.848 | 1688 | 1.508 | 1.400 | 23.996 |
| T-6-1 | 1689 | 162 4 12 | 312 55 14 | 17.653 | 4 30 46 | 17.598 | -161749.087 | -45915.171 | 1689 | 1.508 | 1.400 | 24.003 |
| T-6-1 | 1690 | 160 16 20 | 311 7 22 | 17.780 | 4 28 0 | 17.726 | -161749.413 | -45915.637 | 1690 | 1.508 | 1.400 | 23.999 |
| T-6-1 | 1691 | 165 15 27 | 316 6 29 | 22.686 | 3 38 12 | 22.640 | -161744.756 | -45917.980 | 1691 | 1.508 | 1.400 | 24.053 |
| T-6-1 | 1692 | 168 28 52 | 319 19 54 | 32.350 | 2 41 34 | 32.314 | -161736.561 | -45923.342 | 1692 | 1.508 | 1.400 | 24.134 |
| T-6-1 | 1693 | 162 52 15 | 313 43 17 | 33.150 | 2 47 34 | 33.111 | -161738.187 | -45926.214 | 1693 | 1.508 | 1.400 | 24.229 |
| T-6-1 | 1694 | 169 59 11 | 320 50 13 | 32.442 | 1 37 30 | 32.429 | -161735.927 | -45922.764 | 1694 | 1.508 | 1.400 | 23.534 |
| T-6-1 | 1695 | 166 49 10 | 317 40 12 | 32.179 | 2 44 50 | 32.142 | -161737.309 | -45923.928 | 1695 | 1.508 | 1.400 | 24.156 |
| T-6-1 | 1696 | 166 41 3 | 317 32 5 | 31.644 | 2 47 24 | 31.606 | -161737.756 | -45923.623 | 1696 | 1.508 | 1.400 | 24.154 |
| T-6-1 | 1697 | 0 0 2 | 150 51 4 | 0.000 | 90 0 0 | 0.000 | -161761.071 | -45902.284 | 1697 | 1.508 | 1.400 | 22.614 |
| T-6-1 | 1698 | 166 30 39 | 317 21 41 | 31.062 | 2 49 49 | 31.024 | -161738.249 | -45923.299 | 1698 | 1.508 | 1.400 | 24.148 |
| T-6-1 | 1699 | 166 22 15 | 317 13 17 | 30.549 | 2 52 26 | 30.511 | -161738.677 | -45923.006 | 1699 | 1.508 | 1.400 | 24.146 |
| T-6-1 | 1700 | 167 7 46 | 317 58 48 | 30.017 | 2 53 36 | 29.979 | -161738.800 | -45922.352 | 1700 | 1.508 | 1.400 | 24.129 |
| T-6-1 | 1701 | 158 53 8 | 309 44 10 | 31.005 | 1 26 14 | 30.995 | -161741.258 | -45926.119 | 1701 | 1.508 | 0.500 | 24.292 |
| T-6-1 | 1702 | 96 30 59 | 247 22 1 | 5.203 | 5 38 43 | 5.178 | -161763.064 | -45907.063 | 1702 | 1.508 | 0.500 | 24.026 |
| T-6-1 | 1703 | 164 54 7 | 315 45 9 | 39.001 | 1 4 18 | 38.994 | -161733.139 | -45929.492 | 1703 | 1.508 | 0.500 | 24.243 |
| T-6-1 | 1704 | 170 54 15 | 321 45 17 | 38.386 | 0 19 52 | 38.385 | -161730.925 | -45926.046 | 1704 | 1.508 | 0.500 | 23.736 |
| T-6-1 | 1705 | 158 59 6 | 309 50 8 | 15.378 | 1 47 32 | 15.370 | -161751.226 | -45914.086 | 1705 | 1.508 | 0.500 | 23.995 |
| T-6-1 | 1706 | 159 20 6 | 310 11 8 | 15.674 | 1 46 25 | 15.666 | -161750.963 | -45914.252 | 1706 | 1.508 | 0.500 | 23.999 |
| T-6-1 | t127 | 89 42 16 | 240 33 18 | 4.321 | 5 13 20 | 4.303 | -161763.187 | -45906.031 | t127 | 1.508 | 0.500 | 23.907 |
| T-6-1 | t128 | 151 49 45 | 302 40 47 | 10.494 | 1 32 0 | 10.490 | -161755.407 | -45911.113 | t128 | 1.508 | 0.500 | 23.795 |
| T-6-1 | t129 | 157 12 13 | 308 3 15 | 13.425 | 1 40 33 | 13.419 | -161752.800 | -45912.851 | t129 | 1.508 | 0.500 | 23.907 |
| T-6-1 | t130 | 161 28 3 | 312 19 5 | 17.116 | 0 55 54 | 17.114 | -161749.549 | -45914.938 | t130 | 1.508 | 0.500 | 23.792 |
| T-6-1 | t131 | 161 45 51 | 312 36 53 | 17.639 | 0 55 38 | 17.637 | -161749.130 | -45915.264 | t131 | 1.508 | 0.500 | 23.800 |
| T-6-1 | t132 | 168 12 36 | 319 3 38 | 32.011 | 0 58 8 | 32.006 | -161736.894 | -45923.256 | t132 | 1.508 | 0.500 | 24.055 |

多角測量計算簿

路線名 L08110849

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-6-1 | t133 | 161 9 25 | 312 0 27 | 17.439 | 0 35 36 | 17.438 | -161749.401 | -45915.241 | t133 | 1.508 | 1.000 | 23.195 |
| T-6-1 | t134 | 151 45 49 | 302 36 51 | 10.774 | 0 36 46 | 10.773 | -161755.265 | -45911.358 | t134 | 1.508 | 1.100 | 23.029 |
| T-6-1 | 1707 | 156 50 33 | 307 41 35 | 10.839 | 5 58 18 | 10.780 | -161754.480 | -45910.814 | 1707 | 1.508 | 1.100 | 24.042 |
| T-6-1 | 1708 | 145 15 42 | 296 6 44 | 11.825 | 0 47 30 | 11.824 | -161755.867 | -45912.901 | 1708 | 1.508 | 0.100 | 24.077 |
| T-6-1 | t135 | 116 3 18 | 266 54 20 | 9.010 | 1 21 4 | 9.007 | -161761.558 | -45911.278 | t135 | 1.508 | 0.100 | 24.127 |
| T-6-1 | t136 | 156 45 22 | 307 36 24 | 24.598 | 0 42 17 | 24.596 | -161746.062 | -45921.769 | t136 | 1.508 | 0.100 | 24.217 |
| T-6-1 | t137 | 170 31 14 | 321 22 16 | 35.642 | -0 26 12 | 35.641 | -161733.228 | -45924.534 | t137 | 1.508 | 0.100 | 23.642 |
| T-6-1 | t138 | 163 31 50 | 314 22 52 | 36.447 | 0 32 52 | 36.445 | -161735.581 | -45928.331 | t138 | 1.508 | 0.100 | 24.263 |
| T-6-1 | 1709 | 170 2 50 | 320 53 52 | 12.557 | -4 51 58 | 12.512 | -161751.362 | -45910.175 | 1709 | 1.508 | 0.100 | 22.849 |
| T-6-1 | 1710 | 152 11 26 | 303 2 28 | 4.982 | -15 31 29 | 4.800 | -161758.454 | -45906.308 | 1710 | 1.508 | 0.100 | 22.581 |
| T-6-1 | 1711 | 154 6 49 | 304 57 51 | 5.361 | -14 13 33 | 5.197 | -161758.093 | -45906.543 | 1711 | 1.508 | 0.100 | 22.597 |
| T-6-1 | 1712 | 84 8 0 | 234 59 2 | 5.476 | -14 12 10 | 5.309 | -161764.118 | -45906.632 | 1712 | 1.508 | 0.100 | 22.571 |
| T-6-1 | 1713 | 84 18 59 | 235 10 1 | 5.817 | -13 18 49 | 5.661 | -161764.305 | -45906.931 | 1713 | 1.508 | 0.100 | 22.575 |
| T-6-1 | 1714 | 332 48 19 | 123 39 21 | 21.372 | -2 48 15 | 21.346 | -161772.901 | -45884.516 | 1714 | 1.508 | 1.000 | 21.968 |
| T-6-1 | 1715 | 325 14 24 | 116 5 26 | 16.455 | -3 0 26 | 16.432 | -161768.298 | -45887.526 | 1715 | 1.508 | 1.000 | 22.151 |
| T-6-1 | 1716 | 307 15 57 | 98 6 59 | 11.205 | -3 21 22 | 11.186 | -161762.651 | -45891.210 | 1716 | 1.508 | 1.000 | 22.358 |
| T-6-1 | 1717 | 270 31 18 | 61 22 20 | 8.443 | -2 53 55 | 8.432 | -161757.031 | -45894.883 | 1717 | 1.508 | 1.000 | 22.587 |
| T-6-1 | 1718 | 230 9 30 | 21 0 32 | 10.345 | -1 3 33 | 10.343 | -161751.416 | -45898.576 | 1718 | 1.508 | 1.000 | 22.823 |
| T-6-1 | 1719 | 209 12 56 | 0 3 58 | 15.282 | 0 3 29 | 15.282 | -161745.789 | -45902.266 | 1719 | 1.508 | 1.000 | 23.030 |
| T-6-1 | 1720 | 199 50 5 | 350 41 7 | 20.658 | 0 39 37 | 20.657 | -161740.687 | -45905.628 | 1720 | 1.508 | 1.000 | 23.252 |
| T-6-1 | 1721 | 194 1 16 | 344 52 18 | 26.952 | 1 2 10 | 26.948 | -161735.057 | -45909.317 | 1721 | 1.508 | 1.000 | 23.501 |
| T-6-1 | 1722 | 190 12 36 | 341 3 38 | 34.005 | 1 15 19 | 33.997 | -161728.915 | -45913.318 | 1722 | 1.508 | 1.000 | 23.759 |
| T-6-1 | 1723 | 187 53 27 | 338 44 29 | 40.554 | 1 23 39 | 40.542 | -161723.288 | -45916.984 | 1723 | 1.508 | 1.000 | 24.001 |
| T-6-1 | 1724 | 186 13 12 | 337 4 14 | 47.161 | 1 28 35 | 47.145 | -161717.652 | -45920.652 | 1724 | 1.508 | 1.000 | 24.229 |
| T-6-1 | 1725 | 185 3 9 | 335 54 11 | 53.178 | 1 30 56 | 53.159 | -161712.545 | -45923.988 | 1725 | 1.508 | 1.000 | 24.421 |
| T-6-1 | 1726 | 184 23 7 | 335 14 9 | 57.200 | 1 31 55 | 57.180 | -161709.150 | -45926.236 | 1726 | 1.508 | 1.000 | 24.543 |
| T-6-1 | 1727 | 184 31 19 | 335 22 21 | 57.761 | 1 33 45 | 57.740 | -161708.584 | -45926.345 | 1727 | 1.508 | 1.000 | 24.589 |
| T-6-1 | 1728 | 185 0 25 | 335 51 27 | 58.030 | 1 33 29 | 58.009 | -161708.136 | -45926.010 | 1728 | 1.508 | 1.000 | 24.592 |
| T-6-1 | 1729 | 185 33 34 | 336 24 36 | 57.916 | 1 33 9 | 57.895 | -161708.015 | -45925.453 | 1729 | 1.508 | 1.000 | 24.583 |
| T-6-1 | 1730 | 185 53 4 | 336 44 6 | 57.440 | 1 31 28 | 57.420 | -161708.320 | -45924.964 | 1730 | 1.508 | 1.000 | 24.542 |
| T-6-1 | 1731 | 187 1 1 | 337 52 3 | 51.622 | 1 28 7 | 51.605 | -161713.269 | -45921.726 | 1731 | 1.508 | 1.000 | 24.337 |
| T-6-1 | 1732 | 188 38 55 | 339 29 57 | 45.048 | 1 24 16 | 45.034 | -161718.889 | -45918.056 | 1732 | 1.508 | 1.000 | 24.118 |
| T-6-1 | 1733 | 191 3 56 | 341 54 58 | 37.929 | 1 17 53 | 37.919 | -161725.025 | -45914.054 | 1733 | 1.508 | 1.000 | 23.873 |
| T-6-1 | 1734 | 194 14 38 | 345 5 40 | 31.483 | 1 9 5 | 31.477 | -161730.654 | -45910.381 | 1734 | 1.508 | 1.000 | 23.647 |

多角測量計算簿

路線名 L08110849

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-6-1 | 1735 | 200 11 59 | 351 3 1 | 24.053 | 0 52 51 | 24.050 | -161737.314 | -45906.025 | 1735 | 1.508 | 1.000 | 23.384 |
| T-6-1 | 1736 | 208 55 0 | 359 46 2 | 18.128 | 0 20 13 | 18.128 | -161742.943 | -45902.358 | 1736 | 1.508 | 1.000 | 23.121 |
| T-6-1 | 1737 | 227 21 42 | 18 12 44 | 12.642 | -0 38 54 | 12.641 | -161749.064 | -45898.333 | 1737 | 1.508 | 1.000 | 22.871 |
| T-6-1 | 1738 | 259 15 32 | 50 6 34 | 9.974 | -2 10 15 | 9.967 | -161754.679 | -45894.637 | 1738 | 1.508 | 1.000 | 22.636 |
| T-6-1 | 1739 | 297 51 34 | 88 42 36 | 11.693 | -3 5 47 | 11.676 | -161760.808 | -45890.611 | 1739 | 1.508 | 1.000 | 22.382 |
| T-6-1 | 1740 | 320 57 51 | 111 48 53 | 17.290 | -2 50 46 | 17.269 | -161767.489 | -45886.252 | 1740 | 1.508 | 1.000 | 22.156 |
| T-6-1 | 1741 | 329 13 52 | 120 4 54 | 21.996 | -2 45 17 | 21.971 | -161772.084 | -45883.272 | 1741 | 1.508 | 1.000 | 21.957 |
| T-6-1 | 1742 | 102 9 13 | 253 0 15 | 3.792 | 7 47 23 | 3.757 | -161762.170 | -45905.877 | 1742 | 1.508 | 1.000 | 23.528 |
| T-6-1 | 1743 | 169 21 28 | 320 12 30 | 31.475 | 0 58 54 | 31.470 | -161736.891 | -45922.425 | 1743 | 1.508 | 1.000 | 23.553 |
| T-6-1 | 1744 | 160 37 12 | 311 28 14 | 15.615 | 5 55 9 | 15.532 | -161750.786 | -45913.922 | 1744 | 1.508 | 1.000 | 24.624 |
| T-6-1 | 1745 | 168 10 25 | 319 1 27 | 30.261 | 8 16 48 | 29.946 | -161738.463 | -45921.921 | 1745 | 1.508 | 1.000 | 27.372 |
| T-6-1 | 1746 | 169 52 13 | 320 43 15 | 38.998 | 6 26 1 | 38.752 | -161731.075 | -45926.818 | 1746 | 1.508 | 1.000 | 27.384 |
| T-6-1 | 1747 | 171 15 17 | 322 6 19 | 50.515 | 4 49 5 | 50.337 | -161721.348 | -45933.202 | 1747 | 1.508 | 1.000 | 27.257 |
| T-6-1 | 1748 | 171 50 3 | 322 41 5 | 50.534 | 0 33 48 | 50.532 | -161720.883 | -45932.917 | 1748 | 1.508 | 1.000 | 23.511 |
| T-6-1 | 1749 | 206 1 7 | 356 52 9 | 45.808 | 2 21 55 | 45.769 | -161715.371 | -45904.784 | 1749 | 1.508 | 1.000 | 24.905 |
| T-6-1 | 1750 | 255 22 17 | 46 13 19 | 23.214 | 1 4 5 | 23.210 | -161745.013 | -45885.526 | 1750 | 1.508 | 1.000 | 23.447 |
| T-6-1 | 1751 | 254 55 16 | 45 46 18 | 22.267 | 1 7 13 | 22.263 | -161745.542 | -45886.331 | 1751 | 1.508 | 1.000 | 23.449 |
| T-6-1 | 1752 | 253 50 14 | 44 41 16 | 22.345 | 0 53 59 | 22.342 | -161745.187 | -45886.572 | 1752 | 1.508 | 1.000 | 23.365 |
| T-6-1 | 1753 | 255 22 35 | 46 13 37 | 23.209 | 0 54 0 | 23.206 | -161745.017 | -45885.527 | 1753 | 1.508 | 1.000 | 23.379 |
| T-6-1 | 1754 | 254 54 49 | 45 45 51 | 22.264 | 0 59 59 | 22.261 | -161745.542 | -45886.335 | 1754 | 1.508 | 1.000 | 23.403 |
| T-6-1 | 1755 | 253 49 29 | 44 40 31 | 22.345 | 0 57 36 | 22.342 | -161745.184 | -45886.576 | 1755 | 1.508 | 1.000 | 23.388 |
| T-6-1 | 1756 | 267 37 4 | 58 28 6 | 36.776 | 7 52 51 | 36.429 | -161742.020 | -45871.234 | 1756 | 1.508 | 1.000 | 28.057 |
| T-6-1 | 1757 | 269 0 21 | 59 51 23 | 29.062 | 4 16 43 | 28.981 | -161746.518 | -45877.222 | 1757 | 1.508 | 1.000 | 25.182 |
| T-6-1 | 1758 | 265 37 57 | 56 28 59 | 29.032 | 4 14 10 | 28.953 | -161745.084 | -45878.145 | 1758 | 1.508 | 1.000 | 25.159 |
| T-6-1 | 1759 | 265 43 21 | 56 34 23 | 31.932 | 3 35 38 | 31.869 | -161743.516 | -45875.687 | 1759 | 1.508 | 1.000 | 25.016 |
| T-6-1 | 1760 | 113 47 23 | 264 38 25 | 27.300 | 11 40 24 | 26.735 | -161763.569 | -45928.902 | 1760 | 1.508 | 1.000 | 28.538 |
| T-6-1 | 1761 | 124 3 26 | 274 54 28 | 20.791 | 13 41 40 | 20.200 | -161759.343 | -45922.410 | 1761 | 1.508 | 1.000 | 27.936 |
| T-6-1 | 1762 | 160 9 52 | 311 0 54 | 58.642 | 5 25 43 | 58.379 | -161722.760 | -45946.333 | 1762 | 1.508 | 1.000 | 28.562 |
| T-6-1 | 1763 | 215 23 52 | 6 14 54 | 46.758 | 10 46 20 | 45.934 | -161715.410 | -45897.285 | 1763 | 1.508 | 1.000 | 31.753 |
| T-6-1 | 1764 | 218 10 38 | 9 1 40 | 44.326 | 11 15 56 | 43.472 | -161718.138 | -45895.463 | 1764 | 1.508 | 1.000 | 31.673 |
| T-6-1 | 1765 | 197 1 49 | 347 52 51 | 74.954 | 3 42 4 | 74.798 | -161687.940 | -45917.988 | 1765 | 1.508 | 1.000 | 27.852 |
| T-6-1 | 1766 | 193 7 8 | 343 58 10 | 73.152 | 3 20 37 | 73.027 | -161690.884 | -45922.451 | 1766 | 1.508 | 1.000 | 27.281 |
| T-6-1 | 1767 | 184 56 42 | 335 47 44 | 39.039 | -0 9 27 | 39.039 | -161725.464 | -45918.290 | 1767 | 1.508 | 1.000 | 22.907 |
| T-6-1 | 1768 | 186 4 6 | 336 55 8 | 39.181 | -0 8 9 | 39.181 | -161725.027 | -45917.644 | 1768 | 1.508 | 1.000 | 22.921 |

多角測量計算簿

路線名 L08110849

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-6-1 | 1769 | 199 28 42 | 350 19 44 | 17.282 | -3 2 39 | 17.258 | -161744.059 | -45905.183 | 1769 | 1.508 | 1.000 | 22.096 |
| T-6-1 | 1770 | 318 13 50 | 109 4 52 | 8.182 | -11 52 25 | 8.007 | -161763.689 | -45894.717 | 1770 | 1.508 | 1.000 | 21.331 |
| T-6-1 | 1771 | 281 20 12 | 72 11 14 | 5.272 | -16 42 16 | 5.050 | -161759.526 | -45897.476 | 1771 | 1.508 | 1.000 | 21.499 |
| T-6-1 | 1772 | 229 10 54 | 20 1 56 | 6.236 | -12 32 33 | 6.087 | -161755.353 | -45900.199 | 1772 | 1.508 | 1.000 | 21.660 |
| T-6-1 | 1773 | 205 32 26 | 356 23 28 | 9.984 | -6 52 11 | 9.912 | -161751.179 | -45902.908 | 1773 | 1.508 | 1.000 | 21.820 |
| T-6-1 | 1774 | 195 37 49 | 346 28 51 | 14.510 | -4 5 23 | 14.473 | -161746.999 | -45905.667 | 1774 | 1.508 | 1.000 | 21.979 |
| T-6-1 | 1775 | 190 41 40 | 341 32 42 | 19.252 | -2 34 53 | 19.232 | -161742.828 | -45908.372 | 1775 | 1.508 | 1.000 | 22.147 |
| T-6-1 | 1776 | 187 37 15 | 338 28 17 | 24.097 | -1 38 43 | 24.087 | -161738.665 | -45911.123 | 1776 | 1.508 | 1.000 | 22.322 |
| T-6-1 | 1777 | 185 37 22 | 336 28 24 | 28.986 | -0 59 28 | 28.982 | -161734.498 | -45913.853 | 1777 | 1.508 | 1.000 | 22.513 |
| T-7 | T-6 | | 147 38 5 | | | | -161702.006 | -45941.660 | T-7 | | | 24.859 |
| T-7 | 1778 | 357 25 28 | 145 3 33 | 58.038 | -2 30 6 | 57.983 | -161749.537 | -45908.451 | 1778 | 1.530 | 1.000 | 22.856 |
| T-7 | 1779 | 357 22 30 | 145 0 35 | 56.476 | -2 31 4 | 56.421 | -161748.229 | -45909.306 | 1779 | 1.530 | 1.000 | 22.908 |
| T-7 | 1780 | 357 20 59 | 144 59 4 | 55.781 | -2 32 28 | 55.726 | -161747.645 | -45909.684 | 1780 | 1.530 | 1.000 | 22.916 |
| T-7 | 1781 | 357 11 56 | 144 50 1 | 50.690 | -2 16 40 | 50.650 | -161743.411 | -45912.488 | 1781 | 1.530 | 1.300 | 23.074 |
| T-7 | 1782 | 356 59 29 | 144 37 34 | 46.083 | -2 15 28 | 46.047 | -161739.552 | -45915.003 | 1782 | 1.530 | 1.300 | 23.274 |
| T-7 | 1783 | 356 35 58 | 144 14 3 | 39.079 | -2 18 23 | 39.047 | -161733.689 | -45918.838 | 1783 | 1.530 | 1.300 | 23.516 |
| T-7 | 1784 | 355 53 47 | 143 31 52 | 31.105 | -2 20 27 | 31.079 | -161726.999 | -45923.187 | 1784 | 1.530 | 1.300 | 23.819 |
| T-7 | 1785 | 356 41 27 | 144 19 32 | 31.123 | -2 16 30 | 31.098 | -161727.268 | -45923.524 | 1785 | 1.530 | 1.300 | 23.854 |
| T-7 | 1786 | 358 27 55 | 146 6 0 | 31.153 | -2 15 35 | 31.129 | -161727.843 | -45924.298 | 1786 | 1.530 | 1.300 | 23.861 |
| T-7 | 1787 | 358 41 50 | 146 19 55 | 30.970 | -2 15 17 | 30.946 | -161727.761 | -45924.504 | 1787 | 1.530 | 1.300 | 23.871 |
| T-7 | 1788 | 358 17 54 | 145 55 59 | 19.099 | -2 27 11 | 19.081 | -161717.812 | -45930.972 | 1788 | 1.530 | 1.300 | 24.272 |
| T-7 | 1789 | 358 8 1 | 145 46 6 | 16.029 | -2 36 19 | 16.012 | -161715.244 | -45932.653 | 1789 | 1.530 | 1.300 | 24.360 |
| T-7 | 1790 | 353 37 24 | 141 15 29 | 16.059 | -2 32 10 | 16.043 | -161714.519 | -45931.620 | 1790 | 1.530 | 1.300 | 24.378 |
| T-7 | 1791 | 354 14 36 | 141 52 41 | 20.754 | -2 33 51 | 20.733 | -161718.317 | -45928.861 | 1791 | 1.530 | 1.300 | 24.161 |
| T-7 | 1792 | 353 10 27 | 140 48 32 | 17.098 | -2 41 14 | 17.079 | -161715.243 | -45930.868 | 1792 | 1.530 | 1.300 | 24.287 |
| T-7 | 1793 | 352 53 40 | 140 31 45 | 16.397 | -2 44 2 | 16.378 | -161714.649 | -45931.249 | 1793 | 1.530 | 1.300 | 24.307 |
| T-7 | 1794 | 352 34 23 | 140 12 28 | 15.499 | -2 47 25 | 15.481 | -161713.901 | -45931.752 | 1794 | 1.530 | 1.300 | 24.335 |
| T-7 | 1795 | 352 23 55 | 140 2 0 | 14.846 | -2 53 55 | 14.827 | -161713.370 | -45932.136 | 1795 | 1.530 | 1.300 | 24.338 |
| T-7 | 1796 | 352 31 59 | 140 10 4 | 14.200 | -3 0 28 | 14.180 | -161712.895 | -45932.577 | 1796 | 1.530 | 1.300 | 24.344 |
| T-7 | 1797 | 353 1 53 | 140 39 58 | 13.561 | -3 7 57 | 13.541 | -161712.479 | -45933.077 | 1797 | 1.530 | 1.300 | 24.348 |
| T-7 | 1798 | 354 4 42 | 141 42 47 | 12.949 | -3 12 32 | 12.929 | -161712.154 | -45933.649 | 1798 | 1.530 | 1.300 | 24.364 |
| T-7 | 1799 | 357 33 54 | 145 11 59 | 11.912 | -3 25 5 | 11.891 | -161711.770 | -45934.874 | 1799 | 1.530 | 1.300 | 24.379 |
| T-7 | 1800 | 359 55 5 | 147 33 10 | 11.526 | -3 31 47 | 11.504 | -161711.714 | -45935.488 | 1800 | 1.530 | 1.300 | 24.379 |

多角測量計算簿

路線名 L08110849

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|-------|-----------|-----------|--------|----------|--------|-------------|------------|-------|-------|-------|--------|
| T-7 | 1801 | 2 54 26 | 150 32 31 | 11.214 | -3 39 28 | 11.191 | -161711.750 | -45936.156 | 1801 | 1.530 | 1.300 | 24.374 |
| T-7 | 1802 | 2 53 10 | 150 31 15 | 11.218 | -3 38 7 | 11.195 | -161711.752 | -45936.151 | 1802 | 1.530 | 1.300 | 24.378 |
| T-7 | 1803 | 6 7 11 | 153 45 16 | 11.045 | -3 36 53 | 11.023 | -161711.893 | -45936.785 | 1803 | 1.530 | 1.300 | 24.393 |
| T-7 | 1804 | 10 4 15 | 157 42 20 | 11.024 | -3 17 38 | 11.006 | -161712.189 | -45937.485 | 1804 | 1.530 | 1.300 | 24.456 |
| T-7 | 1805 | 2 53 43 | 150 31 48 | 32.714 | -2 21 58 | 32.686 | -161730.463 | -45925.579 | 1805 | 1.530 | 1.300 | 23.738 |
| T-7 | 1806 | 3 42 8 | 151 20 13 | 26.818 | -2 27 47 | 26.793 | -161725.516 | -45928.808 | 1806 | 1.530 | 1.300 | 23.936 |
| T-7 | 1807 | 5 11 25 | 152 49 30 | 20.227 | -2 39 32 | 20.205 | -161719.981 | -45932.432 | 1807 | 1.530 | 1.300 | 24.151 |
| T-7 | 1808 | 7 26 13 | 155 4 18 | 14.766 | -3 0 12 | 14.746 | -161715.378 | -45935.445 | 1808 | 1.530 | 1.300 | 24.315 |
| T-7 | 1809 | 9 52 59 | 157 31 4 | 11.433 | -3 21 47 | 11.413 | -161712.552 | -45937.296 | 1809 | 1.530 | 1.300 | 24.418 |
| T-7 | 1810 | 9 39 21 | 157 17 26 | 11.407 | -3 22 48 | 11.387 | -161712.510 | -45937.264 | 1810 | 1.530 | 1.300 | 24.416 |
| T-7 | 1811 | 22 40 45 | 170 18 50 | 5.177 | -5 21 20 | 5.154 | -161707.087 | -45940.793 | 1811 | 1.530 | 1.300 | 24.606 |
| T-7 | 1812 | 44 32 18 | 192 10 23 | 14.413 | -2 17 17 | 14.402 | -161716.084 | -45944.697 | 1812 | 1.530 | 1.300 | 24.514 |
| T-7 | 1813 | 36 40 23 | 184 18 28 | 12.760 | -2 47 14 | 12.745 | -161714.715 | -45942.617 | 1813 | 1.530 | 1.300 | 24.469 |
| T-7 | 1814 | 14 34 25 | 162 12 30 | 10.509 | -3 30 12 | 10.489 | -161711.993 | -45938.455 | 1814 | 1.530 | 1.300 | 24.447 |
| T-7 | 1815 | 14 15 29 | 161 53 34 | 10.779 | -3 24 3 | 10.760 | -161712.233 | -45938.316 | 1815 | 1.530 | 1.300 | 24.450 |
| T-7 | 1816 | 36 2 58 | 183 41 3 | 12.990 | -2 48 35 | 12.974 | -161714.953 | -45942.494 | 1816 | 1.530 | 1.300 | 24.452 |
| T-7 | 1817 | 43 56 10 | 191 34 15 | 14.606 | -2 17 45 | 14.594 | -161716.303 | -45944.587 | 1817 | 1.530 | 1.300 | 24.504 |
| T-7 | 1818 | 61 50 22 | 209 28 27 | 11.440 | -2 47 2 | 11.426 | -161711.953 | -45947.282 | 1818 | 1.530 | 1.300 | 24.533 |
| T-7 | 1819 | 48 34 18 | 196 12 23 | 8.075 | -4 17 9 | 8.052 | -161709.738 | -45943.907 | 1819 | 1.530 | 1.300 | 24.486 |
| T-7 | 1820 | 64 50 48 | 212 28 53 | 11.414 | 1 42 57 | 11.409 | -161711.630 | -45947.787 | 1820 | 1.530 | 1.300 | 25.431 |
| T-7 | 1821 | 54 16 44 | 201 54 49 | 8.225 | 2 22 58 | 8.218 | -161709.630 | -45944.727 | 1821 | 1.530 | 1.300 | 25.431 |
| T-7 | 1822 | 24 15 33 | 171 53 38 | 5.236 | -5 35 24 | 5.211 | -161707.165 | -45940.925 | 1822 | 1.530 | 1.300 | 24.579 |
| T-7 | 1823 | 141 28 38 | 289 6 43 | 3.588 | -3 59 43 | 3.579 | -161700.834 | -45945.042 | 1823 | 1.530 | 1.300 | 24.839 |
| T-7 | 1824 | 167 46 21 | 315 24 26 | 11.005 | 0 6 33 | 11.005 | -161694.169 | -45949.386 | 1824 | 1.530 | 1.300 | 25.110 |
| T-7 | 1825 | 171 30 32 | 319 8 37 | 16.294 | 0 42 5 | 16.293 | -161689.683 | -45952.318 | 1825 | 1.530 | 1.300 | 25.288 |
| T-7 | 1826 | 173 57 39 | 321 35 44 | 23.901 | 1 3 8 | 23.897 | -161683.279 | -45956.505 | 1826 | 1.530 | 1.300 | 25.528 |
| T-7 | 1827 | 175 2 48 | 322 40 53 | 29.888 | 1 14 31 | 29.881 | -161678.242 | -45959.775 | 1827 | 1.530 | 1.300 | 25.737 |
| T-7 | 1828 | 175 31 27 | 323 9 32 | 33.880 | 1 18 24 | 33.871 | -161674.899 | -45961.969 | 1828 | 1.530 | 1.300 | 25.862 |
| T-7 | 1829 | 176 2 56 | 323 41 1 | 39.869 | 1 23 55 | 39.857 | -161669.891 | -45965.265 | 1829 | 1.530 | 1.300 | 26.062 |
| T-7 | 1830 | 176 30 17 | 324 8 22 | 46.379 | 1 28 7 | 46.364 | -161664.431 | -45968.821 | 1830 | 1.530 | 1.300 | 26.278 |
| T-7 | 1831 | 176 45 56 | 324 24 1 | 51.383 | 1 29 49 | 51.365 | -161660.241 | -45971.561 | 1831 | 1.530 | 1.300 | 26.431 |
| T-7 | 1832 | 177 0 38 | 324 38 43 | 57.360 | 1 32 32 | 57.339 | -161655.241 | -45974.839 | 1832 | 1.530 | 1.300 | 26.633 |
| T-7 | 1833 | 177 12 15 | 324 50 20 | 62.659 | 1 34 35 | 62.635 | -161650.800 | -45977.730 | 1833 | 1.530 | 1.300 | 26.813 |
| T-7 | T-7-1 | 179 34 48 | 327 12 53 | 40.589 | 0 26 22 | 40.588 | -161667.883 | -45963.638 | T-7-1 | 1.530 | 0.500 | 26.200 |

多角測量計算簿

路線名 L08110849

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|-------|-----------|-----------|--------|----------|--------|-------------|------------|-------|-------|-------|--------|
| T-7 | T-7-2 | 277 38 56 | 65 17 1 | 19.517 | -3 14 30 | 19.486 | -161693.858 | -45923.959 | T-7-2 | 1.530 | 0.500 | 24.785 |
| T-7 | 1834 | 235 38 31 | 23 16 36 | 31.384 | 0 51 54 | 31.380 | -161673.180 | -45929.260 | 1834 | 1.530 | 0.500 | 26.363 |
| T-7 | 1835 | 231 20 26 | 18 58 31 | 28.273 | 0 51 49 | 28.270 | -161675.272 | -45932.468 | 1835 | 1.530 | 0.500 | 26.315 |
| T-7 | 1836 | 231 22 0 | 19 0 5 | 28.288 | 0 51 48 | 28.285 | -161675.262 | -45932.451 | 1836 | 1.530 | 0.500 | 26.315 |
| T-7 | 1837 | 231 22 0 | 19 0 5 | 28.287 | 0 51 48 | 28.284 | -161675.263 | -45932.451 | 1837 | 1.530 | 0.500 | 26.315 |
| T-7 | 1838 | 231 22 0 | 19 0 5 | 28.290 | 0 51 47 | 28.287 | -161675.260 | -45932.450 | 1838 | 1.530 | 0.500 | 26.315 |
| T-7 | 1839 | 231 22 0 | 19 0 5 | 28.289 | 0 51 47 | 28.286 | -161675.261 | -45932.450 | 1839 | 1.530 | 0.500 | 26.315 |
| T-7 | 1840 | 231 20 12 | 18 58 17 | 28.271 | 0 51 47 | 28.268 | -161675.273 | -45932.470 | 1840 | 1.530 | 0.500 | 26.315 |
| T-7 | 1841 | 212 33 56 | 0 12 1 | 40.577 | 0 32 4 | 40.575 | -161661.431 | -45941.518 | 1841 | 1.530 | 0.500 | 26.267 |
| T-7 | 1842 | 219 40 3 | 7 18 8 | 51.287 | 1 48 33 | 51.261 | -161651.161 | -45935.145 | 1842 | 1.530 | 0.500 | 27.508 |
| T-7 | 1843 | 209 34 54 | 357 12 59 | 45.225 | 2 5 53 | 45.195 | -161656.864 | -45943.855 | 1843 | 1.530 | 0.500 | 27.545 |
| T-7 | T-7-3 | 195 18 17 | 342 56 22 | 68.198 | 0 56 35 | 68.189 | -161636.818 | -45961.666 | T-7-3 | 1.530 | 0.500 | 27.011 |
| T-7 | T-7-4 | 195 18 18 | 342 56 23 | 68.197 | 0 56 41 | 68.188 | -161636.819 | -45961.665 | T-7-4 | 1.530 | 0.500 | 27.013 |
| T-7 | 1844 | 231 32 8 | 19 10 13 | 28.155 | 3 45 28 | 28.094 | -161675.470 | -45932.435 | 1844 | 1.530 | 0.500 | 27.734 |
| T-7 | 1845 | 232 54 10 | 20 32 15 | 29.896 | 5 37 29 | 29.752 | -161674.145 | -45931.222 | 1845 | 1.530 | 0.500 | 28.819 |
| T-7 | 1846 | 231 39 59 | 19 18 4 | 29.027 | 5 16 14 | 28.904 | -161674.727 | -45932.106 | 1846 | 1.530 | 0.500 | 28.555 |
| T-7 | 1847 | 219 53 41 | 7 31 46 | 35.345 | 6 19 24 | 35.130 | -161667.179 | -45937.057 | 1847 | 1.530 | 0.500 | 29.782 |
| T-7 | 1848 | 218 55 10 | 6 33 15 | 52.573 | 5 57 21 | 52.289 | -161650.059 | -45935.692 | 1848 | 1.530 | 0.500 | 31.344 |
| T-7 | 1849 | 209 36 40 | 357 14 45 | 46.891 | 5 59 35 | 46.635 | -161655.425 | -45943.901 | 1849 | 1.530 | 0.500 | 30.785 |
| T-7 | 1850 | 24 5 28 | 171 43 33 | 5.239 | -5 15 33 | 5.217 | -161707.169 | -45940.909 | 1850 | 1.530 | 1.300 | 24.609 |
| T-7 | 1851 | 15 50 10 | 163 28 15 | 4.795 | -5 26 6 | 4.773 | -161706.582 | -45940.302 | 1851 | 1.530 | 1.300 | 24.635 |
| T-7 | 1852 | 9 10 7 | 156 48 12 | 4.416 | -5 32 55 | 4.395 | -161706.046 | -45939.929 | 1852 | 1.530 | 1.300 | 24.662 |
| T-7 | 1853 | 2 8 31 | 149 46 36 | 4.018 | -5 46 7 | 3.998 | -161705.461 | -45939.648 | 1853 | 1.530 | 1.300 | 24.685 |
| T-7 | 1854 | 353 51 10 | 141 29 15 | 3.615 | -6 3 2 | 3.595 | -161704.819 | -45939.421 | 1854 | 1.530 | 1.300 | 24.708 |
| T-7 | 1855 | 345 11 26 | 132 49 31 | 3.272 | -6 23 26 | 3.252 | -161704.217 | -45939.275 | 1855 | 1.530 | 1.300 | 24.725 |
| T-7 | 1856 | 335 7 45 | 122 45 50 | 2.917 | -6 48 58 | 2.896 | -161703.573 | -45939.225 | 1856 | 1.530 | 1.300 | 24.743 |
| T-7 | 1857 | 323 23 37 | 111 1 42 | 2.545 | -7 17 15 | 2.524 | -161702.912 | -45939.304 | 1857 | 1.530 | 1.300 | 24.766 |
| T-7 | 1858 | 309 46 23 | 97 24 28 | 2.240 | -7 40 11 | 2.220 | -161702.292 | -45939.459 | 1858 | 1.530 | 1.300 | 24.790 |
| T-7 | 1859 | 293 4 58 | 80 43 3 | 1.999 | -7 58 38 | 1.980 | -161701.687 | -45939.706 | 1859 | 1.530 | 1.300 | 24.812 |
| T-7 | 1860 | 253 53 27 | 41 31 32 | 1.937 | -7 20 39 | 1.921 | -161700.568 | -45940.386 | 1860 | 1.530 | 1.300 | 24.841 |
| T-7 | 1861 | 209 37 27 | 357 15 32 | 3.602 | -2 30 52 | 3.599 | -161698.411 | -45941.832 | 1861 | 1.530 | 1.300 | 24.931 |
| T-7 | 1862 | 204 36 46 | 352 14 51 | 4.231 | -1 49 59 | 4.229 | -161697.816 | -45942.230 | 1862 | 1.530 | 1.300 | 24.954 |
| T-7 | 1863 | 189 44 37 | 337 22 42 | 9.806 | 0 19 20 | 9.806 | -161692.954 | -45945.432 | 1863 | 1.530 | 1.300 | 25.144 |
| T-7 | 1864 | 185 20 59 | 332 59 4 | 16.868 | 1 0 35 | 16.865 | -161686.981 | -45949.321 | 1864 | 1.530 | 1.300 | 25.386 |

多角測量計算簿

路線名 L08110849

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-7 | 1865 | 183 41 3 | 331 19 8 | 23.094 | 1 11 4 | 23.089 | -161681.750 | -45952.741 | 1865 | 1.530 | 1.300 | 25.566 |
| T-7 | 1866 | 183 36 15 | 331 14 20 | 23.780 | 1 13 24 | 23.775 | -161681.164 | -45953.100 | 1866 | 1.530 | 1.300 | 25.597 |
| T-7 | 1867 | 183 20 17 | 330 58 22 | 24.536 | 1 17 47 | 24.530 | -161680.557 | -45953.563 | 1867 | 1.530 | 1.300 | 25.644 |
| T-7 | 1868 | 182 47 33 | 330 25 38 | 24.903 | 1 25 4 | 24.895 | -161680.354 | -45953.946 | 1868 | 1.530 | 1.300 | 25.705 |
| T-7 | 1869 | 180 11 19 | 327 49 24 | 24.823 | 1 22 12 | 24.816 | -161681.002 | -45954.875 | 1869 | 1.530 | 1.300 | 25.682 |
| T-7 | 1870 | 179 51 55 | 327 30 0 | 24.680 | 1 21 37 | 24.673 | -161681.197 | -45954.917 | 1870 | 1.530 | 1.300 | 25.675 |
| T-7 | 1871 | 180 1 6 | 327 39 11 | 20.184 | 1 17 59 | 20.179 | -161684.958 | -45952.457 | 1871 | 1.530 | 1.300 | 25.547 |
| T-7 | 1872 | 180 8 34 | 327 46 39 | 16.888 | 1 7 59 | 16.885 | -161687.722 | -45950.663 | 1872 | 1.530 | 1.300 | 25.423 |
| T-7 | 1873 | 180 34 15 | 328 12 20 | 16.681 | 1 9 43 | 16.678 | -161687.831 | -45950.447 | 1873 | 1.530 | 1.300 | 25.427 |
| T-7 | 1874 | 184 34 10 | 332 12 15 | 16.817 | 1 18 47 | 16.813 | -161687.133 | -45949.500 | 1874 | 1.530 | 1.300 | 25.474 |
| T-7 | 1875 | 186 58 37 | 334 36 42 | 11.613 | 0 55 5 | 11.612 | -161691.515 | -45946.639 | 1875 | 1.530 | 1.300 | 25.275 |
| T-7 | 1876 | 181 18 22 | 328 56 27 | 11.523 | 0 49 40 | 11.522 | -161692.136 | -45947.604 | 1876 | 1.530 | 1.300 | 25.255 |
| T-7 | 1877 | 180 36 11 | 328 14 16 | 11.375 | 0 48 46 | 11.374 | -161692.335 | -45947.647 | 1877 | 1.530 | 1.300 | 25.250 |
| T-7 | 1878 | 181 46 45 | 329 24 50 | 6.374 | -0 7 56 | 6.374 | -161696.519 | -45944.903 | 1878 | 1.530 | 1.300 | 25.074 |
| T-7 | 1879 | 204 41 22 | 352 19 27 | 0.680 | -17 18 13 | 0.649 | -161701.363 | -45941.747 | 1879 | 1.530 | 1.300 | 24.887 |
| T-7 | 1880 | 204 41 20 | 352 19 25 | 0.670 | -17 18 12 | 0.640 | -161701.372 | -45941.745 | 1880 | 1.530 | 1.300 | 24.890 |
| T-7 | 1881 | 222 31 28 | 10 9 33 | 0.632 | -18 6 53 | 0.601 | -161701.414 | -45941.554 | 1881 | 1.530 | 1.300 | 24.892 |
| T-7 | 1882 | 252 18 45 | 39 56 50 | 1.704 | -5 52 32 | 1.695 | -161700.707 | -45940.572 | 1882 | 1.530 | 1.300 | 24.915 |
| T-7 | 1883 | 64 40 47 | 212 18 52 | 2.963 | -6 24 47 | 2.944 | -161704.494 | -45943.234 | 1883 | 1.530 | 1.300 | 24.758 |
| T-7 | 1884 | 135 12 33 | 282 50 38 | 3.874 | -2 55 43 | 3.869 | -161701.146 | -45945.432 | 1884 | 1.530 | 1.300 | 24.891 |
| T-7 | 1885 | 165 11 33 | 312 49 38 | 11.140 | 0 21 40 | 11.140 | -161694.433 | -45949.830 | 1885 | 1.530 | 1.300 | 25.159 |
| T-7 | 1886 | 150 48 7 | 298 26 12 | 18.329 | 1 18 17 | 18.324 | -161693.280 | -45957.773 | 1886 | 1.530 | 1.300 | 25.506 |
| T-7 | 1887 | 169 42 12 | 317 20 17 | 16.297 | 0 52 4 | 16.295 | -161690.023 | -45952.703 | 1887 | 1.530 | 1.300 | 25.336 |
| T-7 | 1888 | 171 21 58 | 319 0 3 | 19.754 | 1 3 18 | 19.751 | -161687.100 | -45954.618 | 1888 | 1.530 | 1.300 | 25.453 |
| T-7 | 1889 | 174 37 51 | 322 15 56 | 33.852 | 1 22 30 | 33.842 | -161675.242 | -45962.371 | 1889 | 1.530 | 1.300 | 25.901 |
| T-7 | 1890 | 12 23 8 | 160 1 13 | 19.447 | -2 27 5 | 19.429 | -161720.266 | -45935.021 | 1890 | 1.530 | 1.300 | 24.257 |
| T-7 | 1891 | 11 25 37 | 159 3 42 | 20.993 | -2 20 51 | 20.975 | -161721.596 | -45934.164 | 1891 | 1.530 | 1.300 | 24.229 |
| T-7 | 1892 | 7 1 58 | 154 40 3 | 32.551 | -1 35 54 | 32.538 | -161731.415 | -45927.738 | 1892 | 1.530 | 1.300 | 24.181 |
| T-7 | 1893 | 9 48 13 | 157 26 18 | 21.333 | -5 52 56 | 21.221 | -161721.603 | -45933.518 | 1893 | 1.530 | 1.300 | 22.903 |
| T-7 | 1894 | 23 32 29 | 171 10 34 | 20.386 | -5 35 22 | 20.289 | -161722.055 | -45938.548 | 1894 | 1.530 | 1.300 | 23.103 |
| T-7 | 1895 | 23 32 28 | 171 10 33 | 20.386 | -5 35 21 | 20.289 | -161722.055 | -45938.548 | 1895 | 1.530 | 1.300 | 23.104 |
| T-7 | 1896 | 23 47 8 | 171 25 13 | 20.206 | -5 38 2 | 20.108 | -161721.889 | -45938.660 | 1896 | 1.530 | 1.300 | 23.105 |
| T-7 | 1897 | 36 26 57 | 184 5 2 | 13.945 | -7 41 45 | 13.819 | -161715.790 | -45942.644 | 1897 | 1.530 | 1.300 | 23.222 |
| T-7 | 1898 | 9 14 52 | 156 52 57 | 18.700 | -6 35 26 | 18.576 | -161719.090 | -45934.367 | 1898 | 1.530 | 1.300 | 22.943 |

多角測量計算簿

路線名 L08110849

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-7 | 1899 | 15 17 53 | 162 55 58 | 11.858 | -9 18 59 | 11.702 | -161713.193 | -45938.226 | 1899 | 1.530 | 1.300 | 23.169 |
| T-7 | 1900 | 0 0 0 | 147 38 5 | 0.000 | 90 0 0 | 0.000 | -161702.006 | -45941.660 | 1900 | 1.530 | 1.300 | 25.089 |
| T-7 | 1901 | 11 11 11 | 158 49 16 | 19.015 | -6 27 19 | 18.894 | -161719.624 | -45934.834 | 1901 | 1.530 | 1.300 | 22.951 |
| T-7 | 1902 | 9 51 40 | 157 29 45 | 18.841 | -2 37 54 | 18.821 | -161719.394 | -45934.456 | 1902 | 1.530 | 1.300 | 24.224 |
| T-7 | 1903 | 7 1 22 | 154 39 27 | 25.598 | -2 4 31 | 25.581 | -161725.125 | -45930.711 | 1903 | 1.530 | 1.300 | 24.162 |
| T-7 | 1904 | 8 13 37 | 155 51 42 | 25.702 | -2 2 14 | 25.686 | -161725.446 | -45931.156 | 1904 | 1.530 | 1.300 | 24.175 |
| T-7 | 1905 | 8 0 52 | 155 38 57 | 26.235 | -2 1 51 | 26.219 | -161725.892 | -45930.849 | 1905 | 1.530 | 1.300 | 24.159 |
| T-7 | 1906 | 6 49 43 | 154 27 48 | 26.169 | -2 2 26 | 26.152 | -161725.603 | -45930.386 | 1906 | 1.530 | 1.300 | 24.157 |
| T-7 | 1907 | 5 21 0 | 152 59 5 | 32.557 | -1 38 17 | 32.544 | -161730.999 | -45926.878 | 1907 | 1.530 | 1.300 | 24.158 |
| T-7 | t139 | 5 35 51 | 153 13 56 | 32.162 | -1 51 20 | 32.145 | -161730.706 | -45927.183 | t139 | 1.530 | 1.300 | 24.048 |
| T-7 | t140 | 7 7 36 | 154 45 41 | 26.172 | -1 48 55 | 26.159 | -161725.668 | -45930.506 | t140 | 1.530 | 1.600 | 23.960 |
| T-7 | t141 | 7 23 32 | 155 1 37 | 25.646 | -1 50 14 | 25.633 | -161725.242 | -45930.838 | t141 | 1.530 | 1.600 | 23.967 |
| T-7 | t142 | 10 12 51 | 157 50 56 | 18.961 | -2 3 54 | 18.949 | -161719.556 | -45934.515 | t142 | 1.530 | 1.600 | 24.106 |
| T-7 | t143 | 9 24 41 | 157 2 46 | 15.140 | -1 41 42 | 15.133 | -161715.941 | -45935.758 | t143 | 1.530 | 1.600 | 24.341 |
| T-7 | t144 | 27 33 51 | 175 11 56 | 17.984 | -1 8 12 | 17.980 | -161719.923 | -45940.155 | t144 | 1.530 | 1.600 | 24.432 |
| T-7 | t145 | 45 2 16 | 192 40 21 | 14.262 | -2 24 11 | 14.249 | -161715.908 | -45944.786 | t145 | 1.530 | 1.600 | 24.191 |
| T-7 | t146 | 15 54 34 | 163 32 39 | 10.344 | -3 50 47 | 10.321 | -161711.904 | -45938.736 | t146 | 1.530 | 1.600 | 24.095 |
| T-7 | t147 | 12 49 36 | 160 27 41 | 10.272 | -4 23 37 | 10.242 | -161711.658 | -45938.235 | t147 | 1.530 | 1.600 | 24.002 |
| T-7 | 1908 | 20 1 34 | 167 39 39 | 7.198 | -5 58 16 | 7.159 | -161709.000 | -45940.130 | 1908 | 1.530 | 1.600 | 24.040 |
| T-7 | 1909 | 19 11 57 | 166 50 2 | 7.549 | -5 42 6 | 7.512 | -161709.321 | -45939.949 | 1909 | 1.530 | 1.600 | 24.039 |
| T-7 | t148 | 18 27 38 | 166 5 43 | 7.377 | -5 46 46 | 7.340 | -161709.131 | -45939.896 | t148 | 1.530 | 1.600 | 24.046 |
| T-7 | t149 | 49 56 45 | 197 34 50 | 7.929 | -5 6 54 | 7.897 | -161709.534 | -45944.045 | t149 | 1.530 | 1.600 | 24.082 |
| T-7 | t150 | 63 50 38 | 211 28 43 | 11.808 | -2 56 10 | 11.792 | -161712.063 | -45947.818 | t150 | 1.530 | 1.600 | 24.184 |
| T-7 | t151 | 52 59 27 | 200 37 32 | 13.019 | -0 53 22 | 13.017 | -161714.189 | -45946.245 | t151 | 1.530 | 1.600 | 24.587 |
| T-7 | t152 | 18 37 15 | 166 15 20 | 8.237 | -1 51 48 | 8.233 | -161710.003 | -45939.704 | t152 | 1.530 | 1.600 | 24.521 |
| T-7 | t153 | 42 40 54 | 190 18 59 | 3.924 | -1 39 45 | 3.922 | -161705.865 | -45942.362 | t153 | 1.530 | 1.600 | 24.675 |
| T-7 | t154 | 80 21 54 | 227 59 59 | 8.425 | 2 49 47 | 8.415 | -161707.637 | -45947.914 | t154 | 1.530 | 1.600 | 25.205 |
| T-7 | t155 | 147 27 27 | 295 5 32 | 14.329 | 2 36 13 | 14.314 | -161695.936 | -45954.623 | t155 | 1.530 | 1.600 | 25.440 |
| T-7 | t156 | 168 5 13 | 315 43 18 | 14.114 | 1 46 42 | 14.107 | -161691.906 | -45951.509 | t156 | 1.530 | 1.600 | 25.227 |
| T-7 | t157 | 169 4 2 | 316 42 7 | 14.023 | -0 12 42 | 14.023 | -161691.800 | -45951.277 | t157 | 1.530 | 1.600 | 24.737 |
| T-7 | t158 | 175 42 55 | 323 21 0 | 13.839 | 1 55 59 | 13.831 | -161690.909 | -45949.916 | t158 | 1.530 | 1.600 | 25.256 |
| T-7 | t159 | 26 20 28 | 173 58 33 | 5.370 | -7 12 24 | 5.328 | -161707.305 | -45941.101 | t159 | 1.530 | 1.600 | 24.115 |
| T-7 | t160 | 11 39 2 | 159 17 7 | 11.022 | -4 25 5 | 10.989 | -161712.285 | -45937.773 | t160 | 1.530 | 1.600 | 23.940 |
| T-7 | t161 | 0 40 52 | 148 18 57 | 38.468 | -1 50 35 | 38.448 | -161734.724 | -45921.466 | t161 | 1.530 | 1.600 | 23.552 |

多角測量計算簿

路線名 L08110849

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-7 | t162 | 2 41 15 | 150 19 20 | 38.639 | -2 46 26 | 38.594 | -161735.537 | -45922.551 | t162 | 1.530 | 1.600 | 22.919 |
| T-7 | t163 | 0 6 36 | 147 44 41 | 55.373 | -1 56 48 | 55.341 | -161748.807 | -45912.125 | t163 | 1.530 | 1.600 | 22.908 |
| T-7 | t164 | 1 38 59 | 149 17 4 | 55.735 | -2 37 6 | 55.677 | -161749.872 | -45913.221 | t164 | 1.530 | 1.600 | 22.243 |
| T-7 | 1910 | 1 38 20 | 149 16 25 | 7.458 | -1 42 22 | 7.455 | -161708.414 | -45937.851 | 1910 | 1.530 | 1.600 | 24.567 |
| T-7 | 1911 | 25 5 49 | 172 43 54 | 9.713 | -1 38 11 | 9.709 | -161711.637 | -45940.432 | 1911 | 1.530 | 1.600 | 24.512 |
| T-7 | 1912 | 279 8 38 | 66 46 43 | 9.960 | -2 16 59 | 9.952 | -161698.082 | -45932.514 | 1912 | 1.530 | 1.000 | 24.992 |
| T-7 | 1913 | 278 25 51 | 66 3 56 | 9.397 | -2 20 31 | 9.389 | -161698.197 | -45933.078 | 1913 | 1.530 | 1.000 | 25.005 |
| T-7 | 1914 | 275 25 55 | 63 4 0 | 9.104 | -2 24 22 | 9.096 | -161697.886 | -45933.551 | 1914 | 1.530 | 1.000 | 25.007 |
| T-7 | 1915 | 239 35 28 | 27 13 33 | 10.426 | -0 59 48 | 10.424 | -161692.737 | -45936.891 | 1915 | 1.530 | 1.000 | 25.208 |
| T-7 | 1916 | 218 0 28 | 5 38 33 | 14.443 | 0 0 7 | 14.443 | -161687.633 | -45940.240 | 1916 | 1.530 | 1.000 | 25.389 |
| T-7 | 1917 | 206 41 40 | 354 19 45 | 19.597 | 0 34 58 | 19.596 | -161682.506 | -45943.596 | 1917 | 1.530 | 1.000 | 25.588 |
| T-7 | 1918 | 201 10 46 | 348 48 51 | 24.249 | 0 51 29 | 24.246 | -161678.221 | -45946.364 | 1918 | 1.530 | 1.000 | 25.752 |
| T-7 | 1919 | 200 58 51 | 348 36 56 | 24.857 | 1 21 0 | 24.850 | -161677.645 | -45946.565 | 1919 | 1.530 | 1.000 | 25.975 |
| T-7 | 1920 | 201 40 31 | 349 18 36 | 24.232 | 1 15 10 | 24.226 | -161678.200 | -45946.154 | 1920 | 1.530 | 1.000 | 25.919 |
| T-7 | 1921 | 204 1 40 | 351 39 45 | 24.636 | 1 14 38 | 24.630 | -161677.636 | -45945.231 | 1921 | 1.530 | 1.000 | 25.924 |
| T-7 | 1922 | 196 33 2 | 344 11 7 | 30.374 | 1 5 33 | 30.368 | -161672.788 | -45949.936 | 1922 | 1.530 | 1.000 | 25.968 |
| T-7 | 1923 | 193 53 27 | 341 31 32 | 35.666 | 1 12 59 | 35.658 | -161668.186 | -45952.959 | 1923 | 1.530 | 1.000 | 26.146 |
| T-7 | 1924 | 191 45 13 | 339 23 18 | 41.629 | 1 19 50 | 41.618 | -161663.052 | -45956.311 | 1924 | 1.530 | 1.000 | 26.356 |
| T-7 | 1925 | 193 57 43 | 341 35 48 | 41.392 | 1 18 20 | 41.381 | -161662.741 | -45954.724 | 1925 | 1.530 | 1.000 | 26.332 |
| T-7 | 1926 | 196 26 56 | 344 5 1 | 35.505 | 1 12 49 | 35.497 | -161667.870 | -45951.395 | 1926 | 1.530 | 1.000 | 26.141 |
| T-7 | 1927 | 199 58 13 | 347 36 18 | 29.727 | 1 2 28 | 29.722 | -161672.977 | -45948.040 | 1927 | 1.530 | 1.000 | 25.929 |
| T-7 | 1928 | 205 10 10 | 352 48 15 | 24.086 | 0 49 57 | 24.083 | -161678.113 | -45944.677 | 1928 | 1.530 | 1.000 | 25.739 |
| T-7 | 1929 | 213 23 39 | 1 1 44 | 18.786 | 0 27 10 | 18.785 | -161683.224 | -45941.323 | 1929 | 1.530 | 1.000 | 25.537 |
| T-7 | 1930 | 223 57 7 | 11 35 12 | 14.986 | -0 4 23 | 14.986 | -161687.325 | -45938.650 | 1930 | 1.530 | 1.000 | 25.370 |
| T-7 | 1931 | 245 56 58 | 33 35 3 | 11.496 | -1 4 3 | 11.494 | -161692.431 | -45935.302 | 1931 | 1.530 | 1.000 | 25.175 |
| T-7 | 1932 | 274 30 44 | 62 8 49 | 10.615 | -2 10 26 | 10.607 | -161697.050 | -45932.282 | 1932 | 1.530 | 1.000 | 24.986 |
| T-7 | 1933 | 277 28 17 | 65 6 22 | 10.448 | -2 14 35 | 10.440 | -161697.611 | -45932.190 | 1933 | 1.530 | 1.000 | 24.980 |
| T-7 | 1934 | 171 10 1 | 318 48 6 | 28.650 | 7 15 38 | 28.420 | -161680.622 | -45960.379 | 1934 | 1.530 | 1.000 | 29.010 |
| T-7 | 1935 | 168 17 20 | 315 55 25 | 21.283 | 9 40 2 | 20.981 | -161686.933 | -45956.255 | 1935 | 1.530 | 1.000 | 28.963 |
| T-7 | 1936 | 157 49 36 | 305 27 41 | 22.419 | 9 30 27 | 22.111 | -161689.178 | -45959.670 | 1936 | 1.530 | 1.000 | 29.092 |
| T-7 | 1937 | 150 1 36 | 297 39 41 | 24.104 | 8 17 39 | 23.852 | -161690.933 | -45962.786 | 1937 | 1.530 | 1.000 | 28.866 |
| T-7 | 1938 | 132 50 37 | 280 28 42 | 26.086 | 22 39 2 | 24.074 | -161697.628 | -45965.333 | 1938 | 1.530 | 1.000 | 35.435 |
| T-7 | 1939 | 146 7 43 | 293 45 48 | 22.250 | 26 58 28 | 19.829 | -161694.016 | -45959.808 | 1939 | 1.530 | 1.000 | 35.481 |
| T-7 | 1940 | 158 46 43 | 306 24 48 | 32.613 | 18 0 34 | 31.015 | -161683.595 | -45966.620 | 1940 | 1.530 | 1.000 | 35.472 |

多角測量計算簿

路線名 L08110849

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-7 | 1941 | 151 44 50 | 299 22 55 | 18.297 | 4 56 9 | 18.229 | -161693.062 | -45957.544 | 1941 | 1.530 | 1.000 | 26.963 |
| T-7 | 1942 | 169 36 3 | 317 14 8 | 16.426 | 2 58 55 | 16.404 | -161689.963 | -45952.798 | 1942 | 1.530 | 1.000 | 26.244 |
| T-7 | 1943 | 171 8 34 | 318 46 39 | 19.695 | 3 18 48 | 19.662 | -161687.217 | -45954.617 | 1943 | 1.530 | 1.000 | 26.527 |
| T-7 | 1944 | 171 55 40 | 319 33 45 | 33.059 | 6 30 27 | 32.846 | -161677.006 | -45962.965 | 1944 | 1.530 | 1.000 | 29.136 |
| T-7 | 1945 | 173 23 27 | 321 1 32 | 33.085 | 6 30 28 | 32.872 | -161676.450 | -45962.336 | 1945 | 1.530 | 1.000 | 29.139 |
| T-7 | 1946 | 173 21 56 | 321 0 1 | 32.974 | 6 30 30 | 32.761 | -161676.546 | -45962.277 | 1946 | 1.530 | 1.000 | 29.127 |
| T-7 | 1947 | 156 29 24 | 304 7 29 | 18.566 | 6 24 54 | 18.450 | -161691.656 | -45956.933 | 1947 | 1.530 | 1.000 | 27.463 |
| T-7 | 1948 | 162 53 4 | 310 31 9 | 17.857 | 6 23 6 | 17.746 | -161690.476 | -45955.150 | 1948 | 1.530 | 1.000 | 27.375 |
| T-7 | 1949 | 138 5 22 | 285 43 27 | 21.039 | 4 32 32 | 20.973 | -161696.322 | -45961.848 | 1949 | 1.530 | 1.000 | 27.055 |
| T-7 | 1950 | 134 25 33 | 282 3 38 | 19.623 | 4 46 45 | 19.555 | -161697.920 | -45960.783 | 1950 | 1.530 | 1.000 | 27.024 |
| T-7 | 1951 | 133 16 52 | 280 54 57 | 20.070 | 6 11 11 | 19.953 | -161698.228 | -45961.252 | 1951 | 1.530 | 1.000 | 27.552 |
| T-7 | 1952 | 134 55 58 | 282 34 3 | 19.238 | 8 15 18 | 19.039 | -161697.863 | -45960.243 | 1952 | 1.530 | 1.000 | 28.151 |
| T-7 | 1953 | 82 12 34 | 229 50 39 | 13.751 | 12 28 0 | 13.427 | -161710.665 | -45951.922 | 1953 | 1.530 | 1.000 | 28.357 |
| T-7 | 1954 | 68 58 39 | 216 36 44 | 13.669 | 1 7 52 | 13.666 | -161712.976 | -45949.810 | 1954 | 1.530 | 1.000 | 25.659 |
| T-7 | 1955 | 132 43 3 | 280 21 8 | 17.713 | 0 50 41 | 17.711 | -161698.823 | -45959.083 | 1955 | 1.530 | 1.000 | 25.650 |
| T-7 | 1956 | 70 39 20 | 218 17 25 | 12.297 | -4 34 24 | 12.258 | -161711.627 | -45949.256 | 1956 | 1.530 | 1.000 | 24.408 |
| T-7 | 1957 | 73 18 10 | 220 56 15 | 12.134 | -4 37 10 | 12.095 | -161711.143 | -45949.585 | 1957 | 1.530 | 1.000 | 24.412 |
| T-7 | 1958 | 76 9 35 | 223 47 40 | 11.970 | -4 38 17 | 11.931 | -161710.618 | -45949.917 | 1958 | 1.530 | 1.000 | 24.421 |
| T-7 | 1959 | 78 56 13 | 226 34 18 | 11.859 | -4 37 19 | 11.820 | -161710.132 | -45950.244 | 1959 | 1.530 | 1.000 | 24.433 |
| T-7 | 1960 | 79 47 53 | 227 25 58 | 8.111 | -8 27 42 | 8.023 | -161707.433 | -45947.569 | 1960 | 1.530 | 1.000 | 24.195 |
| T-7 | 1961 | 82 58 52 | 230 36 57 | 12.018 | -4 37 55 | 11.979 | -161709.607 | -45950.919 | 1961 | 1.530 | 1.000 | 24.418 |
| T-7 | 1962 | 131 39 55 | 279 18 0 | 16.053 | -2 50 27 | 16.033 | -161699.415 | -45957.482 | 1962 | 1.530 | 1.000 | 24.593 |
| T-7 | 1963 | 130 3 15 | 277 41 20 | 15.690 | -2 54 45 | 15.670 | -161699.909 | -45957.189 | 1963 | 1.530 | 1.000 | 24.592 |
| T-7 | 1964 | 57 36 42 | 205 14 47 | 9.514 | -2 37 56 | 9.504 | -161710.602 | -45945.714 | 1964 | 1.530 | 1.000 | 24.952 |
| T-7 | 1965 | 47 36 4 | 195 14 9 | 16.363 | 5 14 57 | 16.294 | -161717.727 | -45945.942 | 1965 | 1.530 | 1.000 | 26.886 |
| T-7 | 1966 | 27 57 36 | 175 35 41 | 6.153 | -16 38 44 | 5.895 | -161707.884 | -45941.207 | 1966 | 1.530 | 1.000 | 23.626 |
| T-7 | 1967 | 19 54 34 | 167 32 39 | 8.195 | -12 55 54 | 7.987 | -161709.805 | -45939.937 | 1967 | 1.530 | 1.000 | 23.555 |
| T-7 | 1968 | 188 52 38 | 336 30 43 | 6.065 | -0 19 8 | 6.065 | -161696.444 | -45944.077 | 1968 | 1.530 | 1.000 | 25.355 |
| T-7 | 1969 | 181 40 33 | 329 18 38 | 26.454 | 0 10 40 | 26.454 | -161679.257 | -45955.162 | 1969 | 1.530 | 1.000 | 25.471 |
| T-7 | 1970 | 182 8 12 | 329 46 17 | 26.804 | 0 58 16 | 26.800 | -161678.850 | -45955.153 | 1970 | 1.530 | 1.000 | 25.843 |
| T-7 | 1971 | 208 12 25 | 355 50 30 | 38.255 | 8 16 12 | 37.857 | -161664.249 | -45944.405 | 1971 | 1.530 | 1.000 | 30.892 |
| T-7 | 1972 | 208 59 31 | 356 37 36 | 36.965 | 8 10 51 | 36.589 | -161665.480 | -45943.813 | 1972 | 1.530 | 1.000 | 30.649 |
| T-7 | 1973 | 245 19 42 | 32 57 47 | 19.924 | 3 2 37 | 19.896 | -161685.313 | -45930.835 | 1973 | 1.530 | 1.000 | 26.447 |
| T-7 | 1974 | 264 57 57 | 52 36 2 | 18.822 | 1 7 26 | 18.818 | -161690.577 | -45926.711 | 1974 | 1.530 | 1.000 | 25.758 |

多 角 測 量 計 算 簿

路線名 L08110849

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-7 | 1975 | 250 13 9 | 37 51 14 | 19.566 | 1 3 14 | 19.563 | -161686.559 | -45929.655 | 1975 | 1.530 | 1.000 | 25.749 |
| T-7 | 1976 | 221 3 17 | 8 41 22 | 27.880 | 1 18 0 | 27.873 | -161674.453 | -45937.449 | 1976 | 1.530 | 1.000 | 26.022 |
| T-7 | 1977 | 272 52 56 | 60 31 1 | 9.812 | 1 38 38 | 9.808 | -161697.179 | -45933.122 | 1977 | 1.530 | 1.000 | 25.670 |
| T-7 | 1978 | 294 14 35 | 81 52 40 | 25.093 | -3 42 21 | 25.041 | -161698.468 | -45916.870 | 1978 | 1.530 | 1.000 | 23.767 |
| T-7 | 1979 | 311 12 42 | 98 50 47 | 24.500 | 4 28 2 | 24.426 | -161705.762 | -45917.525 | 1979 | 1.530 | 1.000 | 27.297 |
| T-7 | 1980 | 335 36 36 | 123 14 41 | 45.659 | 2 12 43 | 45.625 | -161727.018 | -45903.502 | 1980 | 1.530 | 1.000 | 27.151 |
| T-7 | 1981 | 325 10 11 | 112 48 16 | 53.907 | 3 40 55 | 53.796 | -161722.857 | -45892.069 | 1981 | 1.530 | 1.000 | 28.851 |
| T-7 | 1982 | 330 42 53 | 118 20 58 | 51.025 | 3 54 35 | 50.906 | -161726.179 | -45896.859 | 1982 | 1.530 | 1.000 | 28.868 |
| T-7 | 1983 | 331 26 27 | 119 4 32 | 52.047 | 3 54 59 | 51.925 | -161727.240 | -45896.279 | 1983 | 1.530 | 1.000 | 28.944 |
| T-7 | 1984 | 331 52 56 | 119 31 1 | 51.855 | 3 55 4 | 51.734 | -161727.494 | -45896.641 | 1984 | 1.530 | 1.000 | 28.932 |
| T-7 | 1985 | 313 18 14 | 100 56 19 | 37.749 | 6 39 10 | 37.495 | -161709.121 | -45904.846 | 1985 | 1.530 | 1.000 | 29.762 |
| T-7 | 1986 | 304 5 31 | 91 43 36 | 45.134 | 7 2 8 | 44.794 | -161703.356 | -45896.886 | 1986 | 1.530 | 1.000 | 30.917 |
| T-7 | 1987 | 312 45 42 | 100 23 47 | 37.447 | 7 9 34 | 37.155 | -161708.711 | -45905.115 | 1987 | 1.530 | 1.000 | 30.056 |
| T-7 | 1988 | 313 18 40 | 100 56 45 | 37.789 | 7 8 14 | 37.496 | -161709.126 | -45904.846 | 1988 | 1.530 | 1.000 | 30.084 |
| T-7 | 1989 | 312 27 48 | 100 5 53 | 37.430 | 3 30 21 | 37.360 | -161708.556 | -45904.879 | 1989 | 1.530 | 1.000 | 27.678 |
| T-7 | 1990 | 301 34 39 | 89 12 44 | 32.335 | 3 56 33 | 32.258 | -161701.562 | -45909.405 | 1990 | 1.530 | 1.000 | 27.612 |
| T-7 | 1991 | 298 16 41 | 85 54 46 | 35.662 | 3 32 48 | 35.594 | -161699.469 | -45906.157 | 1991 | 1.530 | 1.000 | 27.595 |
| T-7 | 1992 | 287 18 43 | 74 56 48 | 6.035 | -14 22 20 | 5.846 | -161700.488 | -45936.015 | 1992 | 1.530 | 1.000 | 23.891 |
| T-7 | 1993 | 232 36 5 | 20 14 10 | 7.014 | -10 43 48 | 6.891 | -161695.540 | -45939.276 | 1993 | 1.530 | 1.000 | 24.083 |
| T-7 | 1994 | 210 30 21 | 358 8 26 | 10.702 | -6 5 54 | 10.641 | -161691.371 | -45942.005 | 1994 | 1.530 | 1.000 | 24.252 |
| T-7 | 1995 | 200 35 32 | 348 13 37 | 15.247 | -3 41 55 | 15.215 | -161687.111 | -45944.764 | 1995 | 1.530 | 1.000 | 24.405 |
| T-7 | 1996 | 195 25 51 | 343 3 56 | 20.030 | -2 21 36 | 20.013 | -161682.861 | -45947.489 | 1996 | 1.530 | 1.000 | 24.564 |
| T-7 | 1997 | 192 9 12 | 339 47 17 | 24.797 | -1 30 33 | 24.788 | -161678.744 | -45950.224 | 1997 | 1.530 | 1.000 | 24.736 |
| T-7 | 1998 | 189 46 51 | 337 24 56 | 29.649 | -0 55 22 | 29.645 | -161674.634 | -45953.045 | 1998 | 1.530 | 1.000 | 24.912 |
| T-7 | 1999 | 203 10 36 | 350 48 41 | 10.042 | -6 43 25 | 9.973 | -161692.161 | -45943.253 | 1999 | 1.530 | 1.000 | 24.213 |
| T-7 | 2000 | 223 28 46 | 11 6 51 | 5.931 | -13 5 19 | 5.777 | -161696.337 | -45940.546 | 2000 | 1.530 | 1.000 | 24.046 |
| T-7 | 2001 | 239 21 31 | 26 59 36 | 8.362 | -8 45 36 | 8.264 | -161694.642 | -45937.909 | 2001 | 1.530 | 1.000 | 24.116 |
| T-7 | 2002 | 217 24 24 | 5 2 29 | 11.639 | -5 28 49 | 11.586 | -161690.465 | -45940.642 | 2002 | 1.530 | 1.000 | 24.277 |
| T-7 | 2003 | 208 39 28 | 356 17 33 | 17.778 | -2 48 37 | 17.757 | -161684.286 | -45942.808 | 2003 | 1.530 | 1.000 | 24.517 |
| T-7 | 2004 | 199 47 24 | 347 25 29 | 24.261 | -1 30 43 | 24.253 | -161678.335 | -45946.940 | 2004 | 1.530 | 1.000 | 24.749 |
| T-7 | 2005 | 195 26 41 | 343 4 46 | 29.894 | -0 51 21 | 29.891 | -161673.409 | -45950.360 | 2005 | 1.530 | 1.000 | 24.942 |
| T-7 | 2006 | 187 58 38 | 335 36 43 | 16.260 | -3 29 1 | 16.230 | -161687.224 | -45948.362 | 2006 | 1.530 | 1.000 | 24.401 |
| T-7 | 2007 | 186 10 38 | 333 48 43 | 21.030 | -2 16 43 | 21.013 | -161683.150 | -45950.933 | 2007 | 1.530 | 1.000 | 24.553 |
| T-7 | 2008 | 185 16 50 | 332 54 55 | 24.557 | -1 39 20 | 24.547 | -161680.151 | -45952.836 | 2008 | 1.530 | 1.000 | 24.680 |

多 角 測 量 計 算 簿

路線名 L08110849

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-7 | 2009 | 184 28 25 | 332 6 30 | 27.618 | -1 15 57 | 27.611 | -161677.602 | -45954.577 | 2009 | 1.530 | 1.000 | 24.779 |
| T-7 | 2010 | 16 17 57 | 163 56 2 | 11.114 | -8 41 18 | 10.986 | -161712.563 | -45938.620 | 2010 | 1.530 | 1.000 | 23.710 |
| T-7 | 2011 | 56 6 46 | 203 44 51 | 19.314 | -3 38 42 | 19.275 | -161719.649 | -45949.422 | 2011 | 1.530 | 1.000 | 24.161 |
| T-7 | 2012 | 141 47 54 | 289 25 59 | 19.194 | -2 23 48 | 19.177 | -161695.626 | -45959.745 | 2012 | 1.530 | 1.000 | 24.586 |
| T-7 | 2013 | 142 50 47 | 290 28 52 | 19.662 | -2 20 7 | 19.646 | -161695.132 | -45960.064 | 2013 | 1.530 | 1.000 | 24.588 |
| T-7 | 2014 | 165 52 55 | 313 31 0 | 19.415 | 23 9 54 | 17.850 | -161689.715 | -45954.604 | 2014 | 1.530 | 1.000 | 33.026 |
| T-7 | 2015 | 8 49 13 | 156 27 18 | 19.324 | -5 52 36 | 19.222 | -161719.628 | -45933.981 | 2015 | 1.530 | 1.000 | 23.410 |
| T-7 | 2016 | 4 57 44 | 152 35 49 | 32.171 | -2 49 30 | 32.132 | -161730.532 | -45926.871 | 2016 | 1.530 | 1.000 | 23.803 |
| T-7 | 2017 | 6 57 16 | 154 35 21 | 20.030 | -3 28 15 | 19.993 | -161720.065 | -45933.081 | 2017 | 1.530 | 1.000 | 24.176 |
| T-7 | 2018 | 354 44 49 | 142 22 54 | 16.991 | 8 0 58 | 16.825 | -161715.333 | -45931.390 | 2018 | 1.530 | 1.000 | 27.758 |

多角測量計算簿

路線名 L08111416

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|-------|-------|-------|--------|
| T-7-1 | T-7 | | 147 12 53 | | | | -161667.883 | -45963.638 | T-7-1 | | | 26.200 |
| T-7-1 | 2019 | 33 42 1 | 180 54 54 | 8.306 | -3 22 40 | 8.292 | -161676.174 | -45963.771 | 2019 | 1.499 | 1.000 | 26.210 |
| T-7-1 | 2020 | 30 30 59 | 177 43 52 | 9.030 | -1 45 22 | 9.026 | -161676.902 | -45963.281 | 2020 | 1.499 | 1.000 | 26.423 |
| T-7-1 | 2021 | 7 38 2 | 154 50 55 | 21.245 | -2 43 43 | 21.221 | -161687.092 | -45954.619 | 2021 | 1.499 | 1.000 | 25.688 |
| T-7-1 | 2022 | 32 27 17 | 179 40 10 | 8.586 | -2 35 58 | 8.577 | -161676.460 | -45963.589 | 2022 | 1.499 | 1.000 | 26.310 |
| T-7-1 | 2023 | 53 40 34 | 200 53 27 | 12.208 | -0 16 38 | 12.208 | -161679.289 | -45967.991 | 2023 | 1.499 | 1.000 | 26.640 |
| T-7-1 | 2024 | 80 40 52 | 227 53 45 | 10.003 | -0 18 40 | 10.003 | -161674.590 | -45971.060 | 2024 | 1.499 | 1.000 | 26.645 |
| T-7-1 | 2025 | 82 45 28 | 229 58 21 | 12.992 | -0 10 16 | 12.992 | -161676.239 | -45973.587 | 2025 | 1.499 | 1.000 | 26.661 |
| T-7-1 | 2026 | 79 58 29 | 227 11 22 | 10.027 | -0 16 30 | 10.027 | -161674.698 | -45970.994 | 2026 | 1.499 | 1.000 | 26.651 |
| T-7-1 | 2027 | 79 18 22 | 226 31 15 | 9.348 | -0 20 48 | 9.348 | -161674.316 | -45970.421 | 2027 | 1.499 | 1.000 | 26.643 |
| T-7-1 | 2028 | 83 21 35 | 230 34 28 | 9.261 | -0 12 13 | 9.261 | -161673.765 | -45970.792 | 2028 | 1.499 | 1.000 | 26.666 |
| T-7-1 | 2029 | 85 8 40 | 232 21 33 | 12.903 | -0 9 22 | 12.903 | -161675.763 | -45973.855 | 2029 | 1.499 | 1.000 | 26.664 |
| T-7-1 | 2030 | 70 53 21 | 218 6 14 | 3.204 | -11 1 16 | 3.145 | -161670.358 | -45965.579 | 2030 | 1.499 | 1.000 | 26.087 |
| T-7-1 | 2031 | 168 27 30 | 315 40 23 | 15.380 | -0 23 51 | 15.380 | -161656.881 | -45974.385 | 2031 | 1.499 | 1.000 | 26.593 |
| T-7-1 | 2032 | 83 41 4 | 230 53 57 | 8.107 | -0 11 31 | 8.107 | -161672.996 | -45969.929 | 2032 | 1.499 | 1.000 | 26.672 |
| T-7-1 | 2033 | 92 59 30 | 240 12 23 | 7.720 | 0 7 3 | 7.720 | -161671.719 | -45970.338 | 2033 | 1.499 | 1.000 | 26.715 |
| T-7-1 | 2034 | 110 6 23 | 257 19 16 | 6.641 | 1 36 36 | 6.638 | -161669.340 | -45970.114 | 2034 | 1.499 | 1.000 | 26.886 |
| T-7-1 | 2035 | 127 32 45 | 274 45 38 | 5.224 | 4 3 59 | 5.211 | -161667.451 | -45968.831 | 2035 | 1.499 | 1.000 | 27.070 |
| T-7-1 | 2036 | 126 51 42 | 274 4 35 | 5.327 | 4 6 22 | 5.313 | -161667.506 | -45968.938 | 2036 | 1.499 | 1.000 | 27.081 |
| T-7-1 | 2037 | 157 10 30 | 304 23 23 | 10.839 | 2 3 51 | 10.832 | -161661.765 | -45972.577 | 2037 | 1.499 | 1.300 | 26.790 |
| T-7-1 | 2038 | 166 18 58 | 313 31 51 | 18.073 | 1 25 50 | 18.067 | -161655.440 | -45976.737 | 2038 | 1.499 | 1.300 | 26.851 |
| T-7-1 | 2039 | 168 51 0 | 316 3 53 | 22.258 | 1 17 19 | 22.252 | -161651.859 | -45979.078 | 2039 | 1.499 | 1.300 | 26.900 |
| T-7-1 | 2040 | 169 32 58 | 316 45 51 | 22.388 | 1 17 17 | 22.382 | -161651.577 | -45978.970 | 2040 | 1.499 | 1.300 | 26.903 |
| T-7-1 | 2041 | 171 51 12 | 319 4 5 | 22.174 | 1 10 19 | 22.169 | -161651.135 | -45978.162 | 2041 | 1.499 | 1.300 | 26.853 |
| T-7-1 | 2042 | 164 24 3 | 311 36 56 | 18.389 | 1 19 30 | 18.384 | -161655.674 | -45977.382 | 2042 | 1.499 | 1.300 | 26.825 |
| T-7-1 | 2043 | 150 57 48 | 298 10 41 | 20.246 | 1 26 36 | 20.240 | -161658.326 | -45981.479 | 2043 | 1.499 | 1.300 | 26.909 |
| T-7-1 | 2044 | 147 9 25 | 294 22 18 | 18.088 | 1 30 36 | 18.082 | -161660.422 | -45980.109 | 2044 | 1.499 | 1.300 | 26.876 |
| T-7-1 | 2045 | 142 21 14 | 289 34 7 | 16.023 | 1 34 59 | 16.017 | -161662.519 | -45978.730 | 2045 | 1.499 | 1.300 | 26.842 |
| T-7-1 | 2046 | 108 18 17 | 255 31 10 | 10.234 | 1 46 6 | 10.229 | -161670.441 | -45973.542 | 2046 | 1.499 | 1.300 | 26.715 |
| T-7-1 | 2047 | 84 34 54 | 231 47 47 | 9.578 | 1 28 13 | 9.575 | -161673.805 | -45971.162 | 2047 | 1.499 | 1.300 | 26.645 |
| T-7-1 | 2048 | 351 43 6 | 138 55 59 | 10.181 | -3 7 21 | 10.166 | -161675.548 | -45956.960 | 2048 | 1.499 | 1.300 | 25.845 |
| T-7-1 | 2049 | 342 36 58 | 129 49 51 | 4.294 | -4 51 51 | 4.279 | -161670.624 | -45960.352 | 2049 | 1.499 | 1.300 | 26.035 |
| T-7-1 | 2050 | 193 44 25 | 340 57 18 | 4.076 | -1 23 52 | 4.075 | -161664.032 | -45964.968 | 2050 | 1.499 | 1.300 | 26.300 |
| T-7-1 | 2051 | 184 25 55 | 331 38 48 | 9.971 | 0 33 43 | 9.971 | -161659.109 | -45968.373 | 2051 | 1.499 | 1.300 | 26.497 |

多角測量計算簿

路線名 L08111416

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-7-1 | 2052 | 182 39 18 | 329 52 11 | 13.987 | 0 56 44 | 13.985 | -161655.788 | -45970.658 | 2052 | 1.499 | 1.300 | 26.630 |
| T-7-1 | 2053 | 182 27 51 | 329 40 44 | 14.983 | 0 58 6 | 14.981 | -161654.952 | -45971.201 | 2053 | 1.499 | 1.300 | 26.653 |
| T-7-1 | 2054 | 182 18 37 | 329 31 30 | 15.773 | 1 0 17 | 15.771 | -161654.291 | -45971.637 | 2054 | 1.499 | 1.300 | 26.676 |
| T-7-1 | 2055 | 181 33 26 | 328 46 19 | 21.928 | 1 14 25 | 21.923 | -161649.137 | -45975.004 | 2055 | 1.499 | 1.300 | 26.874 |
| T-7-1 | 2056 | 174 33 32 | 321 46 25 | 28.156 | 1 19 8 | 28.149 | -161645.770 | -45981.056 | 2056 | 1.499 | 1.300 | 27.047 |
| T-7-1 | 2057 | 175 23 16 | 322 36 9 | 33.848 | 1 25 17 | 33.838 | -161641.001 | -45984.189 | 2057 | 1.499 | 1.300 | 27.239 |
| T-7-1 | 2058 | 176 0 53 | 323 13 46 | 39.820 | 1 27 55 | 39.807 | -161635.997 | -45987.467 | 2058 | 1.499 | 1.300 | 27.418 |
| T-7-1 | 2059 | 176 33 41 | 323 46 34 | 47.231 | 1 31 17 | 47.214 | -161629.795 | -45991.539 | 2059 | 1.499 | 1.300 | 27.653 |
| T-7-1 | 2060 | 158 17 30 | 305 30 23 | 30.066 | 1 33 47 | 30.055 | -161650.428 | -45988.104 | 2060 | 1.499 | 1.300 | 27.219 |
| T-7-1 | 2061 | 243 15 16 | 30 28 9 | 9.807 | 0 36 35 | 9.806 | -161659.432 | -45958.666 | 2061 | 1.499 | 1.300 | 26.504 |
| T-7-1 | 2062 | 221 16 33 | 8 29 26 | 13.193 | 1 17 32 | 13.190 | -161654.838 | -45961.691 | 2062 | 1.499 | 1.300 | 26.697 |
| T-7-1 | 2063 | 214 36 42 | 1 49 35 | 15.262 | 1 25 47 | 15.257 | -161652.634 | -45963.152 | 2063 | 1.499 | 1.300 | 26.780 |
| T-7-1 | 2064 | 214 55 42 | 2 8 35 | 15.952 | 1 29 10 | 15.947 | -161651.948 | -45963.042 | 2064 | 1.499 | 1.300 | 26.813 |
| T-7-1 | 2065 | 216 37 4 | 3 49 57 | 16.270 | 1 26 26 | 16.265 | -161651.655 | -45962.551 | 2065 | 1.499 | 1.300 | 26.808 |
| T-7-1 | 2066 | 219 0 2 | 6 12 55 | 16.177 | 1 20 45 | 16.173 | -161651.806 | -45961.887 | 2066 | 1.499 | 1.300 | 26.779 |
| T-7-1 | 2067 | 238 33 5 | 25 45 58 | 11.998 | 0 43 50 | 11.997 | -161657.079 | -45958.423 | 2067 | 1.499 | 1.300 | 26.552 |
| T-7-1 | 2068 | 269 12 6 | 56 24 59 | 10.287 | -0 17 32 | 10.287 | -161662.193 | -45955.068 | 2068 | 1.499 | 1.300 | 26.347 |
| T-7-1 | 2069 | 6 11 52 | 153 24 45 | 6.238 | -3 51 26 | 6.224 | -161673.449 | -45960.852 | 2069 | 1.499 | 1.300 | 25.980 |
| T-7-1 | t165 | 11 0 59 | 158 13 52 | 4.278 | -4 55 49 | 4.262 | -161671.842 | -45962.058 | t165 | 1.499 | 1.300 | 26.032 |
| T-7-1 | t166 | 8 10 58 | 155 23 51 | 4.262 | -4 53 52 | 4.246 | -161671.744 | -45961.870 | t166 | 1.499 | 1.300 | 26.035 |
| T-7-1 | t167 | 8 10 58 | 155 23 51 | 4.261 | -4 53 50 | 4.245 | -161671.743 | -45961.871 | t167 | 1.499 | 1.300 | 26.036 |
| T-7-1 | t168 | 8 10 58 | 155 23 51 | 4.259 | -4 53 48 | 4.243 | -161671.741 | -45961.872 | t168 | 1.499 | 1.300 | 26.036 |
| T-7-1 | t169 | 31 46 9 | 178 59 2 | 5.145 | -10 11 58 | 5.064 | -161672.947 | -45963.548 | t169 | 1.499 | 1.300 | 25.488 |
| T-7-1 | t170 | 9 43 38 | 156 56 31 | 4.198 | -4 56 37 | 4.182 | -161671.731 | -45962.000 | t170 | 1.499 | 1.300 | 26.038 |
| T-7-1 | t171 | 31 44 45 | 178 57 38 | 5.139 | -10 12 42 | 5.058 | -161672.941 | -45963.546 | t171 | 1.499 | 1.300 | 25.488 |
| T-7-1 | t172 | 34 31 8 | 181 44 1 | 5.202 | -4 38 3 | 5.185 | -161673.066 | -45963.795 | t172 | 1.499 | 1.300 | 25.979 |
| T-7-1 | t173 | 66 27 20 | 213 40 13 | 10.771 | 1 24 33 | 10.768 | -161676.845 | -45969.608 | t173 | 1.499 | 1.300 | 26.664 |
| T-7-1 | t174 | 83 49 9 | 231 2 2 | 12.966 | -0 32 45 | 12.965 | -161676.037 | -45973.719 | t174 | 1.499 | 1.300 | 26.276 |
| T-7-1 | t175 | 82 4 5 | 229 16 58 | 10.000 | -0 47 43 | 9.999 | -161674.406 | -45971.217 | t175 | 1.499 | 1.300 | 26.261 |
| T-7-1 | t176 | 155 52 52 | 303 5 45 | 25.079 | 1 27 15 | 25.071 | -161654.194 | -45984.642 | t176 | 1.499 | 1.300 | 27.036 |
| T-7-1 | t177 | 173 25 42 | 320 38 35 | 25.379 | 0 8 56 | 25.379 | -161648.260 | -45979.732 | t177 | 1.499 | 1.300 | 26.465 |
| T-7-1 | t178 | 172 49 23 | 320 2 16 | 25.454 | 1 15 27 | 25.448 | -161648.378 | -45979.983 | t178 | 1.499 | 1.300 | 26.958 |
| T-7-1 | t179 | 177 5 22 | 324 18 15 | 24.978 | 1 21 2 | 24.971 | -161647.604 | -45978.208 | t179 | 1.499 | 1.300 | 26.988 |
| T-7-1 | t180 | 181 48 16 | 329 1 9 | 24.784 | 0 14 35 | 24.784 | -161646.635 | -45976.396 | t180 | 1.499 | 1.300 | 26.504 |

多角測量計算簿

路線名 L08111416

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-7-1 | t181 | 182 50 54 | 330 3 47 | 16.315 | -0 36 45 | 16.314 | -161653.746 | -45971.780 | t181 | 1.499 | 1.300 | 26.225 |
| T-7-1 | 2070 | 33 38 33 | 180 51 26 | 15.146 | 10 12 41 | 14.906 | -161682.788 | -45963.861 | 2070 | 1.499 | 1.300 | 29.084 |
| T-7-1 | 2071 | 43 36 38 | 190 49 31 | 17.372 | 8 17 1 | 17.191 | -161684.769 | -45966.867 | 2071 | 1.499 | 1.300 | 28.902 |
| T-7-1 | 2072 | 66 0 3 | 213 12 56 | 29.928 | 17 0 23 | 28.619 | -161691.827 | -45979.315 | 2072 | 1.499 | 1.300 | 35.153 |
| T-7-1 | 2073 | 53 22 44 | 200 35 37 | 21.063 | 7 38 24 | 20.876 | -161687.425 | -45970.981 | 2073 | 1.499 | 1.300 | 29.200 |
| T-7-1 | 2074 | 80 59 29 | 228 12 22 | 17.212 | 8 30 5 | 17.023 | -161679.229 | -45976.330 | 2074 | 1.499 | 1.300 | 28.944 |
| T-7-1 | 2075 | 81 47 35 | 229 0 28 | 17.393 | 8 30 8 | 17.202 | -161679.167 | -45976.622 | 2075 | 1.499 | 1.300 | 28.971 |
| T-7-1 | 2076 | 83 47 51 | 231 0 44 | 23.337 | 7 18 19 | 23.148 | -161682.447 | -45981.631 | 2076 | 1.499 | 1.300 | 29.367 |
| T-7-1 | 2077 | 289 49 20 | 77 2 13 | 39.981 | 2 30 4 | 39.943 | -161658.923 | -45924.713 | 2077 | 1.499 | 1.300 | 28.144 |
| T-7-1 | 2078 | 270 31 26 | 57 44 19 | 24.087 | 17 23 19 | 22.986 | -161655.614 | -45944.201 | 2078 | 1.499 | 1.300 | 33.598 |
| T-7-1 | 2079 | 241 30 56 | 28 43 49 | 26.937 | 14 55 9 | 26.029 | -161645.059 | -45951.126 | 2079 | 1.499 | 1.300 | 33.334 |
| T-7-1 | 2080 | 242 56 55 | 30 9 48 | 25.933 | 8 49 43 | 25.626 | -161645.727 | -45950.762 | 2080 | 1.499 | 1.300 | 30.379 |
| T-7-1 | 2081 | 242 18 16 | 29 31 9 | 25.220 | 8 48 11 | 24.923 | -161646.196 | -45951.358 | 2081 | 1.499 | 1.300 | 30.259 |
| T-7-1 | 2082 | 241 39 1 | 28 51 54 | 25.252 | 8 49 44 | 24.953 | -161646.031 | -45951.592 | 2082 | 1.499 | 1.300 | 30.275 |
| T-7-1 | 2083 | 242 9 42 | 29 22 35 | 25.155 | 8 56 11 | 24.850 | -161646.229 | -45951.448 | 2083 | 1.499 | 1.300 | 30.307 |
| T-7-1 | 2084 | 240 49 25 | 28 2 18 | 40.313 | 9 56 7 | 39.708 | -161632.836 | -45944.973 | 2084 | 1.499 | 1.300 | 33.355 |
| T-7-1 | 2085 | 234 45 2 | 21 57 55 | 33.660 | 4 18 44 | 33.565 | -161636.755 | -45951.083 | 2085 | 1.499 | 1.300 | 28.930 |
| T-7-1 | 2086 | 220 50 3 | 8 2 56 | 41.945 | 4 29 12 | 41.816 | -161626.479 | -45957.783 | 2086 | 1.499 | 1.300 | 29.681 |
| T-7-1 | 2087 | 214 41 17 | 1 54 10 | 38.610 | 4 52 2 | 38.471 | -161629.434 | -45962.361 | 2087 | 1.499 | 1.300 | 29.675 |
| T-7-1 | 2088 | 211 42 20 | 358 55 13 | 41.717 | 4 31 26 | 41.587 | -161626.304 | -45964.422 | 2088 | 1.499 | 1.300 | 29.690 |
| T-7-1 | 2089 | 213 40 8 | 0 53 1 | 44.085 | 5 56 8 | 43.849 | -161624.040 | -45962.962 | 2089 | 1.499 | 1.300 | 30.958 |
| T-7-1 | 2090 | 211 2 0 | 358 14 53 | 42.807 | 6 6 15 | 42.564 | -161625.339 | -45964.939 | 2090 | 1.499 | 1.300 | 30.951 |
| T-7-1 | 2091 | 210 54 0 | 358 6 53 | 42.938 | 6 6 14 | 42.695 | -161625.212 | -45965.043 | 2091 | 1.499 | 1.300 | 30.965 |
| T-7-1 | 2092 | 231 29 52 | 18 42 45 | 29.687 | 4 31 16 | 29.595 | -161639.853 | -45954.144 | 2092 | 1.499 | 1.300 | 28.739 |
| T-7-1 | 2093 | 230 8 49 | 17 21 42 | 28.831 | 4 31 16 | 28.741 | -161640.452 | -45955.062 | 2093 | 1.499 | 1.300 | 28.672 |
| T-7-1 | 2094 | 229 47 1 | 16 59 54 | 28.982 | 4 31 17 | 28.892 | -161640.254 | -45955.192 | 2094 | 1.499 | 1.300 | 28.684 |
| T-7-1 | 2095 | 181 4 38 | 328 17 31 | 19.285 | 12 59 44 | 18.791 | -161651.897 | -45973.515 | 2095 | 1.499 | 1.300 | 30.736 |
| T-7-1 | 2096 | 180 11 11 | 327 24 4 | 41.237 | 6 27 10 | 40.976 | -161633.363 | -45985.714 | 2096 | 1.499 | 1.300 | 31.034 |
| T-7-1 | 2097 | 213 59 3 | 1 11 56 | 32.003 | 4 1 31 | 31.924 | -161635.966 | -45962.970 | 2097 | 1.499 | 1.300 | 28.646 |
| T-7-1 | 2098 | 202 22 12 | 349 35 5 | 46.906 | 4 26 9 | 46.765 | -161621.889 | -45972.092 | 2098 | 1.499 | 1.300 | 30.027 |
| T-7-1 | 2099 | 215 41 32 | 2 54 25 | 45.407 | 5 23 58 | 45.206 | -161622.736 | -45961.346 | 2099 | 1.499 | 1.300 | 30.672 |
| T-7-1 | 2100 | 209 45 20 | 356 58 13 | 35.469 | -0 11 46 | 35.469 | -161632.464 | -45965.513 | 2100 | 1.499 | 1.300 | 26.278 |
| T-7-1 | 2101 | 180 3 48 | 327 16 41 | 40.129 | 0 3 16 | 40.129 | -161634.123 | -45985.330 | 2101 | 1.499 | 1.300 | 26.437 |
| T-7-1 | 2102 | 264 40 10 | 51 53 3 | 17.829 | -0 14 7 | 17.829 | -161656.878 | -45949.611 | 2102 | 1.499 | 1.300 | 26.326 |

多角測量計算簿

路線名 L08111416

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-7-1 | 2103 | 203 13 24 | 350 26 17 | 45.984 | 0 57 38 | 45.978 | -161622.544 | -45971.276 | 2103 | 1.499 | 1.300 | 27.170 |
| T-7-1 | 2104 | 321 37 11 | 108 50 4 | 8.355 | -11 11 56 | 8.196 | -161670.529 | -45955.881 | 2104 | 1.499 | 1.300 | 24.777 |
| T-7-1 | 2105 | 286 6 50 | 73 19 43 | 5.314 | -15 55 20 | 5.110 | -161666.417 | -45958.743 | 2105 | 1.499 | 1.300 | 24.942 |
| T-7-1 | 2106 | 233 3 23 | 20 16 16 | 6.092 | -12 19 42 | 5.952 | -161662.300 | -45961.576 | 2106 | 1.499 | 1.300 | 25.099 |
| T-7-1 | 2107 | 208 16 1 | 355 28 54 | 9.801 | -6 39 43 | 9.735 | -161658.179 | -45964.405 | 2107 | 1.499 | 1.300 | 25.262 |
| T-7-1 | 2108 | 198 5 19 | 345 18 12 | 14.310 | -3 53 27 | 14.277 | -161654.074 | -45967.260 | 2108 | 1.499 | 1.300 | 25.428 |
| T-7-1 | 2109 | 193 22 16 | 340 35 9 | 19.094 | -2 25 9 | 19.077 | -161649.891 | -45969.979 | 2109 | 1.499 | 1.300 | 25.593 |
| T-7-1 | 2110 | 190 27 25 | 337 40 18 | 24.009 | -1 34 47 | 24.000 | -161645.683 | -45972.756 | 2110 | 1.499 | 1.300 | 25.737 |
| T-7-1 | 2111 | 188 37 20 | 335 50 13 | 28.873 | -0 59 6 | 28.869 | -161641.544 | -45975.455 | 2111 | 1.499 | 1.300 | 25.903 |
| T-7-1 | 2112 | 197 17 55 | 344 30 48 | 24.705 | -1 25 32 | 24.697 | -161644.083 | -45970.233 | 2112 | 1.499 | 1.300 | 25.785 |
| T-7-1 | 2113 | 194 22 35 | 341 35 28 | 29.446 | -0 52 58 | 29.443 | -161639.947 | -45972.936 | 2113 | 1.499 | 1.300 | 25.946 |
| T-7-1 | 2114 | 292 43 41 | 79 56 34 | 3.992 | -22 6 6 | 3.699 | -161667.238 | -45959.996 | 2114 | 1.499 | 1.300 | 24.897 |
| T-7-1 | 2115 | 330 47 40 | 118 0 33 | 7.549 | -12 42 55 | 7.364 | -161671.342 | -45957.137 | 2115 | 1.499 | 1.300 | 24.738 |
| T-7-1 | 2116 | 314 16 41 | 101 29 34 | 9.338 | -9 51 50 | 9.200 | -161669.717 | -45954.623 | 2116 | 1.499 | 1.300 | 24.800 |
| T-7-1 | 2117 | 282 13 57 | 69 26 50 | 6.717 | -12 20 35 | 6.562 | -161665.580 | -45957.494 | 2117 | 1.499 | 1.300 | 24.963 |
| T-7-1 | 2118 | 345 58 37 | 133 11 30 | 8.697 | -11 43 8 | 8.516 | -161673.712 | -45957.429 | 2118 | 1.499 | 1.300 | 24.633 |
| T-7-1 | 2119 | 334 9 40 | 121 22 33 | 4.715 | -20 25 18 | 4.419 | -161670.184 | -45959.865 | 2119 | 1.499 | 1.300 | 24.754 |
| T-7-1 | 2120 | 267 25 28 | 54 38 21 | 2.338 | -39 29 51 | 1.804 | -161666.839 | -45962.167 | 2120 | 1.499 | 1.300 | 24.912 |
| T-7-1 | 2121 | 194 54 45 | 342 7 38 | 6.386 | -11 39 58 | 6.254 | -161661.931 | -45965.558 | 2121 | 1.499 | 1.300 | 25.108 |
| T-7-1 | 2122 | 187 7 14 | 334 20 7 | 11.608 | -5 30 49 | 11.554 | -161657.469 | -45968.642 | 2122 | 1.499 | 1.300 | 25.284 |
| T-7-1 | 2123 | 185 6 58 | 332 19 51 | 15.047 | -3 50 50 | 15.013 | -161654.587 | -45970.610 | 2123 | 1.499 | 1.300 | 25.390 |
| T-7-1 | 2124 | 183 31 24 | 330 44 17 | 21.109 | -2 14 36 | 21.093 | -161649.482 | -45973.948 | 2124 | 1.499 | 1.300 | 25.573 |
| T-7-1 | 2125 | 182 20 21 | 329 33 14 | 30.138 | -0 59 30 | 30.133 | -161641.906 | -45978.907 | 2125 | 1.499 | 1.300 | 25.878 |
| T-7-1 | 2126 | 302 27 50 | 89 40 43 | 9.541 | -9 15 42 | 9.417 | -161667.831 | -45954.221 | 2126 | 1.499 | 1.300 | 24.864 |
| T-7-1 | 2127 | 278 11 53 | 65 24 46 | 8.026 | -10 6 43 | 7.901 | -161664.596 | -45956.454 | 2127 | 1.499 | 1.300 | 24.990 |
| T-7-1 | 2128 | 244 46 13 | 31 59 6 | 8.571 | -8 23 58 | 8.479 | -161660.692 | -45959.147 | 2128 | 1.499 | 1.300 | 25.147 |
| T-7-1 | 2129 | 224 47 52 | 12 0 45 | 10.770 | -5 57 8 | 10.712 | -161657.406 | -45961.409 | 2129 | 1.499 | 1.300 | 25.282 |
| T-7-1 | 2130 | 211 41 23 | 358 54 16 | 14.112 | -3 57 39 | 14.078 | -161653.808 | -45963.907 | 2130 | 1.499 | 1.300 | 25.425 |
| T-7-1 | 2131 | 208 11 24 | 355 24 17 | 15.717 | -3 20 16 | 15.690 | -161652.244 | -45964.895 | 2131 | 1.499 | 1.300 | 25.484 |
| T-7-1 | 2132 | 204 33 57 | 351 46 50 | 18.856 | -2 27 5 | 18.839 | -161649.238 | -45966.331 | 2132 | 1.499 | 1.300 | 25.593 |
| T-7-1 | 2133 | 202 7 24 | 349 20 17 | 22.213 | -1 46 40 | 22.202 | -161646.065 | -45967.746 | 2133 | 1.499 | 1.300 | 25.710 |
| T-7-1 | 2134 | 200 21 42 | 347 34 35 | 25.505 | -1 17 43 | 25.498 | -161642.983 | -45969.124 | 2134 | 1.499 | 1.300 | 25.823 |
| T-7-1 | 2135 | 198 19 38 | 345 32 31 | 30.870 | -0 45 1 | 30.867 | -161637.994 | -45971.345 | 2135 | 1.499 | 1.300 | 25.995 |
| T-7-1 | 2136 | 197 54 52 | 345 7 45 | 32.210 | -0 39 10 | 32.208 | -161636.754 | -45971.904 | 2136 | 1.499 | 1.300 | 26.032 |

多 角 測 量 計 算 簿

路線名 L08111416

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-7-1 | 2137 | 198 30 5 | 345 42 58 | 31.213 | -0 43 33 | 31.210 | -161637.638 | -45971.339 | 2137 | 1.499 | 1.300 | 26.004 |
| T-7-1 | 2138 | 199 56 35 | 347 9 28 | 30.835 | -0 47 38 | 30.832 | -161637.823 | -45970.491 | 2138 | 1.499 | 1.300 | 25.972 |
| T-7-1 | 2139 | 200 32 58 | 347 45 51 | 25.805 | -1 15 0 | 25.799 | -161642.671 | -45969.106 | 2139 | 1.499 | 1.300 | 25.836 |
| T-7-1 | 2140 | 204 51 56 | 352 4 49 | 25.099 | -1 25 46 | 25.091 | -161643.032 | -45967.095 | 2140 | 1.499 | 1.300 | 25.773 |
| T-7-1 | 2141 | 203 31 59 | 350 44 52 | 20.705 | -2 2 58 | 20.692 | -161647.461 | -45966.965 | 2141 | 1.499 | 1.300 | 25.659 |
| T-7-1 | 2142 | 212 12 10 | 359 25 3 | 19.894 | -2 20 41 | 19.877 | -161648.007 | -45963.840 | 2142 | 1.499 | 1.300 | 25.585 |
| T-7-1 | 2143 | 209 1 10 | 356 14 3 | 15.641 | -3 21 23 | 15.614 | -161652.303 | -45964.664 | 2143 | 1.499 | 1.300 | 25.484 |
| T-7-1 | 2144 | 213 30 33 | 0 43 26 | 15.309 | -3 27 24 | 15.281 | -161652.604 | -45963.445 | 2144 | 1.499 | 1.300 | 25.476 |
| T-7-1 | 2145 | 226 11 5 | 13 23 58 | 10.750 | -5 58 13 | 10.692 | -161657.483 | -45961.160 | 2145 | 1.499 | 1.300 | 25.281 |
| T-7-1 | 2146 | 229 55 31 | 17 8 24 | 10.814 | -5 57 29 | 10.756 | -161657.605 | -45960.468 | 2146 | 1.499 | 1.300 | 25.277 |
| T-7-1 | 2147 | 248 21 12 | 35 34 5 | 8.532 | -8 30 34 | 8.438 | -161661.020 | -45958.730 | 2147 | 1.499 | 1.300 | 25.137 |
| T-7-1 | 2148 | 251 35 35 | 38 48 28 | 8.775 | -8 18 35 | 8.683 | -161661.117 | -45958.196 | 2148 | 1.499 | 1.300 | 25.131 |
| T-7-1 | 2149 | 278 32 5 | 65 44 58 | 8.199 | -9 52 35 | 8.077 | -161664.566 | -45956.274 | 2149 | 1.499 | 1.300 | 24.993 |
| T-7-1 | 2150 | 280 2 44 | 67 15 37 | 8.515 | -9 31 36 | 8.398 | -161664.637 | -45955.893 | 2150 | 1.499 | 1.300 | 24.990 |
| T-7-1 | 2151 | 186 54 17 | 334 7 10 | 23.740 | -1 42 13 | 23.730 | -161646.533 | -45973.996 | 2151 | 1.499 | 1.300 | 25.694 |
| T-7-1 | 2152 | 185 38 55 | 332 51 48 | 28.681 | -1 4 16 | 28.676 | -161642.364 | -45976.718 | 2152 | 1.499 | 1.300 | 25.863 |
| T-7-1 | 2153 | 193 55 13 | 341 8 6 | 24.299 | -1 29 59 | 24.291 | -161644.897 | -45971.492 | 2153 | 1.499 | 1.300 | 25.763 |
| T-7-1 | 2154 | 191 30 25 | 338 43 18 | 29.063 | -0 56 40 | 29.059 | -161640.805 | -45974.184 | 2154 | 1.499 | 1.300 | 25.920 |
| T-7-1 | 2155 | 198 59 23 | 346 12 16 | 24.959 | -1 22 37 | 24.952 | -161643.651 | -45969.588 | 2155 | 1.499 | 1.300 | 25.800 |
| T-7-1 | 2156 | 197 1 8 | 344 14 1 | 29.821 | -0 50 0 | 29.818 | -161639.187 | -45971.740 | 2156 | 1.499 | 1.300 | 25.966 |
| T-7-1 | 2157 | 208 35 50 | 355 48 43 | 21.725 | -1 10 59 | 21.720 | -161646.221 | -45965.224 | 2157 | 1.499 | 1.300 | 25.951 |
| T-7-1 | 2158 | 208 35 50 | 355 48 43 | 21.726 | -1 10 59 | 21.721 | -161646.220 | -45965.224 | 2158 | 1.499 | 1.300 | 25.951 |
| T-7-1 | 2159 | 208 35 50 | 355 48 43 | 21.726 | -1 11 0 | 21.721 | -161646.220 | -45965.224 | 2159 | 1.499 | 1.300 | 25.951 |
| T-7-1 | 2160 | 208 35 50 | 355 48 43 | 21.725 | -1 11 0 | 21.720 | -161646.221 | -45965.224 | 2160 | 1.499 | 1.300 | 25.951 |
| T-7-1 | 2161 | 208 35 50 | 355 48 43 | 21.725 | -1 11 1 | 21.720 | -161646.221 | -45965.224 | 2161 | 1.499 | 1.300 | 25.951 |
| T-7-1 | 2162 | 208 35 50 | 355 48 43 | 21.725 | -1 11 3 | 21.720 | -161646.221 | -45965.224 | 2162 | 1.499 | 1.300 | 25.950 |
| T-7-1 | t182 | 208 35 50 | 355 48 43 | 21.725 | -1 11 2 | 21.720 | -161646.221 | -45965.224 | t182 | 1.499 | 1.300 | 25.950 |
| T-7-1 | t183 | 203 17 49 | 350 30 42 | 26.217 | -0 57 8 | 26.213 | -161642.029 | -45967.959 | t183 | 1.499 | 1.300 | 25.964 |
| T-7-1 | t184 | 199 34 28 | 346 47 21 | 30.838 | -0 16 4 | 30.838 | -161637.862 | -45970.686 | t184 | 1.499 | 1.300 | 26.255 |
| T-7-1 | K1 | 208 35 59 | 355 48 52 | 21.733 | -1 29 25 | 21.726 | -161646.215 | -45965.224 | K1 | 1.499 | 1.300 | 25.834 |
| T-7-1 | K2 | 203 17 3 | 350 29 56 | 26.215 | -0 58 9 | 26.211 | -161642.032 | -45967.965 | K2 | 1.499 | 1.300 | 25.956 |
| T-7-1 | K3 | 199 34 24 | 346 47 17 | 30.845 | -0 29 51 | 30.844 | -161637.856 | -45970.688 | K3 | 1.499 | 1.300 | 26.131 |
| T-7-1 | K4 | 196 48 34 | 344 1 27 | 35.589 | -0 6 55 | 35.589 | -161633.669 | -45973.433 | K4 | 1.499 | 1.300 | 26.328 |
| T-7-1 | K5 | 194 43 50 | 341 56 43 | 40.376 | 0 5 35 | 40.376 | -161629.496 | -45976.152 | K5 | 1.499 | 1.300 | 26.465 |

多角測量計算簿

路線名 L08111416

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|-------|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-7-1 | K6 | 193 4 1 | 340 16 54 | 45.208 | 0 24 36 | 45.207 | -161625.327 | -45978.891 | K6 | 1.499 | 1.300 | 26.723 |
| T-7-1 | K7 | 190 38 57 | 337 51 50 | 54.935 | 0 40 28 | 54.931 | -161617.001 | -45984.337 | K7 | 1.499 | 1.300 | 27.046 |
| T-7-1 | K8 | 191 45 21 | 338 58 14 | 50.087 | 0 35 50 | 50.084 | -161621.135 | -45981.611 | K8 | 1.499 | 1.300 | 26.921 |
| T-7-1 | K9 | 189 44 13 | 336 57 6 | 59.887 | 0 44 3 | 59.882 | -161612.782 | -45987.082 | K9 | 1.499 | 1.300 | 27.167 |
| T-7-1 | 2163 | 218 24 37 | 5 37 30 | 15.169 | 1 59 40 | 15.160 | -161652.796 | -45962.152 | 2163 | 1.499 | 1.300 | 26.927 |
| T-7-1 | K10 | 216 24 52 | 3 37 45 | 17.549 | -2 21 44 | 17.534 | -161650.385 | -45962.528 | K10 | 1.499 | 1.300 | 25.676 |
| T-7-1 | 2164 | 350 21 58 | 137 34 51 | 7.029 | -3 21 16 | 7.017 | -161673.064 | -45958.905 | 2164 | 1.499 | 1.300 | 25.988 |
| T-7-1 | 2165 | 311 47 29 | 99 0 22 | 1.315 | -9 18 54 | 1.298 | -161668.087 | -45962.356 | 2165 | 1.499 | 1.300 | 26.186 |
| T-8 | T-7 | | 146 56 18 | | | | -161596.448 | -46010.372 | T-8 | | | 28.985 |
| T-8 | 2166 | 330 28 43 | 117 25 1 | 0.694 | -2 5 46 | 0.694 | -161596.768 | -46009.756 | 2166 | 1.490 | 1.300 | 29.150 |
| T-8 | 2167 | 352 6 48 | 139 3 6 | 1.275 | -2 5 48 | 1.274 | -161597.410 | -46009.537 | 2167 | 1.490 | 1.300 | 29.128 |
| T-8 | 2168 | 4 14 50 | 151 11 8 | 31.760 | -2 51 46 | 31.720 | -161624.241 | -45995.084 | 2168 | 1.490 | 1.300 | 27.589 |
| T-8 | 2169 | 4 46 43 | 151 43 1 | 28.433 | -2 58 28 | 28.395 | -161621.453 | -45996.918 | 2169 | 1.490 | 1.300 | 27.700 |
| T-8 | 2170 | 6 4 14 | 153 0 32 | 22.432 | -3 15 29 | 22.396 | -161616.405 | -46000.207 | 2170 | 1.490 | 1.300 | 27.900 |
| T-8 | 2171 | 8 14 33 | 155 10 51 | 16.633 | -3 44 47 | 16.597 | -161611.512 | -46003.405 | 2171 | 1.490 | 1.300 | 28.088 |
| T-8 | 2172 | 12 2 28 | 158 58 46 | 11.461 | -4 34 58 | 11.424 | -161607.112 | -46006.274 | 2172 | 1.490 | 1.300 | 28.259 |
| T-8 | 2173 | 11 51 23 | 158 47 41 | 11.439 | -4 36 6 | 11.402 | -161607.078 | -46006.248 | 2173 | 1.490 | 1.300 | 28.257 |
| T-8 | 2174 | 26 49 55 | 173 46 13 | 5.248 | -7 59 58 | 5.197 | -161601.614 | -46009.808 | 2174 | 1.490 | 1.300 | 28.445 |
| T-8 | T-8-1 | 7 34 13 | 154 30 31 | 16.255 | -5 30 33 | 16.180 | -161611.053 | -46003.409 | T-8-1 | 1.490 | 0.500 | 28.414 |
| T-8 | T-8-2 | 359 50 53 | 146 47 11 | 38.986 | -3 19 7 | 38.921 | -161629.011 | -45989.053 | T-8-2 | 1.490 | 0.500 | 27.718 |
| T-8 | T-8-3 | 264 53 42 | 51 50 0 | 19.335 | -2 39 12 | 19.314 | -161584.513 | -45995.187 | T-8-3 | 1.490 | 0.500 | 29.080 |
| T-8 | 2175 | 25 52 49 | 172 49 7 | 5.533 | -12 57 2 | 5.392 | -161601.798 | -46009.698 | 2175 | 1.490 | 0.500 | 28.735 |
| T-8 | 2176 | 20 35 19 | 167 31 37 | 4.923 | -14 30 52 | 4.766 | -161601.102 | -46009.343 | 2176 | 1.490 | 0.500 | 28.741 |
| T-8 | 2177 | 15 42 20 | 162 38 38 | 4.439 | -15 51 29 | 4.270 | -161600.524 | -46009.098 | 2177 | 1.490 | 0.500 | 28.762 |
| T-8 | 2178 | 4 27 36 | 151 23 54 | 3.428 | -19 46 21 | 3.226 | -161599.280 | -46008.828 | 2178 | 1.490 | 0.500 | 28.815 |
| T-8 | 2179 | 31 59 2 | 178 55 20 | 5.519 | -4 25 38 | 5.503 | -161601.950 | -46010.268 | 2179 | 1.490 | 1.300 | 28.749 |
| T-8 | 2180 | 128 59 56 | 275 56 14 | 3.771 | -1 7 21 | 3.770 | -161596.058 | -46014.122 | 2180 | 1.490 | 1.300 | 29.101 |
| T-8 | 2181 | 123 59 47 | 270 56 5 | 4.205 | 4 54 59 | 4.190 | -161596.380 | -46014.561 | 2181 | 1.490 | 1.300 | 29.535 |
| T-8 | 2182 | 130 57 14 | 277 53 32 | 6.187 | 3 32 34 | 6.175 | -161595.600 | -46016.489 | 2182 | 1.490 | 1.300 | 29.557 |
| T-8 | 2183 | 144 13 33 | 291 9 51 | 5.018 | 0 7 54 | 5.018 | -161594.636 | -46015.052 | 2183 | 1.490 | 1.300 | 29.187 |
| T-8 | 2184 | 148 55 15 | 295 51 33 | 5.684 | 0 27 50 | 5.684 | -161593.969 | -46015.487 | 2184 | 1.490 | 1.300 | 29.221 |
| T-8 | 2185 | 133 3 51 | 280 0 9 | 7.221 | 8 27 30 | 7.142 | -161595.208 | -46017.405 | 2185 | 1.490 | 1.300 | 30.237 |
| T-8 | 2186 | 148 37 47 | 295 34 5 | 5.810 | 10 35 4 | 5.711 | -161593.983 | -46015.524 | 2186 | 1.490 | 1.300 | 30.242 |

多角測量計算簿

路線名 L08111416

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-8 | 2187 | 160 32 29 | 307 28 47 | 8.862 | 1 5 33 | 8.860 | -161591.057 | -46017.403 | 2187 | 1.490 | 1.300 | 29.344 |
| T-8 | 2188 | 168 17 5 | 315 13 23 | 14.696 | 2 29 37 | 14.682 | -161586.026 | -46020.713 | 2188 | 1.490 | 1.300 | 29.814 |
| T-8 | 2189 | 171 24 58 | 318 21 16 | 14.691 | 2 19 0 | 14.679 | -161585.479 | -46020.127 | 2189 | 1.490 | 1.300 | 29.769 |
| T-8 | 2190 | 171 24 58 | 318 21 16 | 14.707 | 2 19 0 | 14.695 | -161585.467 | -46020.137 | 2190 | 1.490 | 1.300 | 29.769 |
| T-8 | 2191 | 162 16 2 | 309 12 20 | 7.161 | 0 46 59 | 7.160 | -161591.922 | -46015.920 | 2191 | 1.490 | 1.300 | 29.273 |
| T-8 | 2192 | 102 54 54 | 249 51 12 | 2.233 | -4 28 2 | 2.226 | -161597.215 | -46012.462 | 2192 | 1.490 | 1.300 | 29.001 |
| T-8 | 2193 | 29 59 16 | 176 55 34 | 4.309 | -4 58 40 | 4.293 | -161600.735 | -46010.142 | 2193 | 1.490 | 1.300 | 28.801 |
| T-8 | 2194 | 29 40 50 | 176 37 8 | 4.965 | -4 38 46 | 4.949 | -161601.388 | -46010.080 | 2194 | 1.490 | 1.300 | 28.773 |
| T-8 | 2195 | 26 30 12 | 173 26 30 | 4.827 | -4 45 33 | 4.810 | -161601.227 | -46009.823 | 2195 | 1.490 | 1.300 | 28.775 |
| T-8 | 2196 | 23 52 49 | 170 49 7 | 4.540 | -4 59 37 | 4.523 | -161600.913 | -46009.650 | 2196 | 1.490 | 1.300 | 28.780 |
| T-8 | 2197 | 21 8 23 | 168 4 41 | 4.288 | -5 11 21 | 4.270 | -161600.626 | -46009.490 | 2197 | 1.490 | 1.300 | 28.787 |
| T-8 | 2198 | 18 39 36 | 165 35 54 | 3.895 | -5 22 12 | 3.878 | -161600.204 | -46009.407 | 2198 | 1.490 | 1.300 | 28.810 |
| T-8 | 2199 | 15 21 27 | 162 17 45 | 3.593 | -5 35 0 | 3.576 | -161599.855 | -46009.285 | 2199 | 1.490 | 1.300 | 28.825 |
| T-8 | 2200 | 11 28 31 | 158 24 49 | 3.183 | -5 59 56 | 3.166 | -161599.392 | -46009.207 | 2200 | 1.490 | 1.300 | 28.842 |
| T-8 | 2201 | 7 3 24 | 153 59 42 | 2.766 | -6 27 48 | 2.748 | -161598.918 | -46009.167 | 2201 | 1.490 | 1.300 | 28.864 |
| T-8 | 2202 | 9 16 26 | 156 12 44 | 2.172 | -7 30 57 | 2.153 | -161598.418 | -46009.504 | 2202 | 1.490 | 1.300 | 28.891 |
| T-8 | 2203 | 17 2 32 | 163 58 50 | 2.245 | -7 17 26 | 2.227 | -161598.589 | -46009.757 | 2203 | 1.490 | 1.300 | 28.890 |
| T-8 | 2204 | 20 49 56 | 167 46 14 | 2.686 | -6 30 37 | 2.669 | -161599.056 | -46009.807 | 2204 | 1.490 | 1.300 | 28.870 |
| T-8 | 2205 | 23 37 54 | 170 34 12 | 3.123 | -5 52 44 | 3.107 | -161599.513 | -46009.863 | 2205 | 1.490 | 1.300 | 28.855 |
| T-8 | 2206 | 26 28 31 | 173 24 49 | 3.469 | -5 31 48 | 3.453 | -161599.878 | -46009.976 | 2206 | 1.490 | 1.300 | 28.841 |
| T-8 | 2207 | 28 30 13 | 175 26 31 | 3.857 | -5 13 23 | 3.841 | -161600.277 | -46010.067 | 2207 | 1.490 | 1.300 | 28.824 |
| T-8 | 2208 | 33 25 29 | 180 21 47 | 4.461 | -4 48 56 | 4.445 | -161600.893 | -46010.400 | 2208 | 1.490 | 1.300 | 28.801 |
| T-8 | 2209 | 159 51 42 | 306 48 0 | 7.262 | 0 50 36 | 7.261 | -161592.098 | -46016.186 | 2209 | 1.490 | 1.300 | 29.282 |
| T-8 | 2210 | 178 26 55 | 325 23 13 | 6.821 | 0 28 51 | 6.821 | -161590.834 | -46014.247 | 2210 | 1.490 | 1.300 | 29.232 |
| T-8 | 2211 | 178 48 22 | 325 44 40 | 8.474 | 0 51 20 | 8.473 | -161589.445 | -46015.141 | 2211 | 1.490 | 1.300 | 29.302 |
| T-8 | 2212 | 177 42 40 | 324 38 58 | 4.586 | -0 10 20 | 4.586 | -161592.708 | -46013.025 | 2212 | 1.490 | 1.300 | 29.161 |
| T-8 | 2213 | 183 26 48 | 330 23 6 | 12.686 | 0 57 41 | 12.684 | -161585.421 | -46016.640 | 2213 | 1.490 | 1.300 | 29.388 |
| T-8 | 2214 | 185 11 55 | 332 8 13 | 8.584 | 0 30 26 | 8.584 | -161588.859 | -46014.384 | 2214 | 1.490 | 1.300 | 29.251 |
| T-8 | 2215 | 189 27 56 | 336 24 14 | 4.592 | -0 41 7 | 4.592 | -161592.240 | -46012.210 | 2215 | 1.490 | 1.300 | 29.120 |
| T-8 | 2216 | 308 29 17 | 95 25 35 | 1.050 | -12 35 40 | 1.025 | -161596.545 | -46009.352 | 2216 | 1.490 | 1.300 | 28.946 |
| T-8 | t185 | 173 27 0 | 320 23 18 | 14.622 | 1 1 17 | 14.620 | -161585.185 | -46019.693 | t185 | 1.490 | 1.000 | 29.736 |
| T-8 | t186 | 158 14 59 | 305 11 17 | 11.219 | 4 6 4 | 11.190 | -161590.000 | -46019.517 | t186 | 1.490 | 1.000 | 30.277 |
| T-8 | t187 | 170 21 1 | 317 17 19 | 8.451 | -1 4 58 | 8.449 | -161590.240 | -46016.103 | t187 | 1.490 | 1.000 | 29.315 |
| T-8 | t188 | 183 52 32 | 330 48 50 | 13.936 | -2 5 58 | 13.927 | -161584.289 | -46017.163 | t188 | 1.490 | 1.000 | 28.964 |

多角測量計算簿

路線名 L08111416

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-8 | t189 | 16 46 4 | 163 42 22 | 4.834 | -13 44 10 | 4.696 | -161600.955 | -46009.054 | t189 | 1.490 | 1.000 | 28.327 |
| T-8 | t190 | 26 57 57 | 173 54 15 | 5.694 | -11 38 26 | 5.577 | -161601.993 | -46009.780 | t190 | 1.490 | 1.000 | 28.326 |
| T-8 | t191 | 11 58 58 | 158 55 16 | 7.633 | -5 56 10 | 7.592 | -161603.532 | -46007.642 | t191 | 1.490 | 1.000 | 28.686 |
| T-8 | t192 | 13 55 52 | 160 52 10 | 11.029 | -6 48 55 | 10.951 | -161606.794 | -46006.783 | t192 | 1.490 | 1.000 | 28.166 |
| T-8 | t193 | 15 31 59 | 162 28 17 | 10.459 | -7 7 23 | 10.378 | -161606.344 | -46007.246 | t193 | 1.490 | 1.000 | 28.178 |
| T-8 | t194 | 5 35 3 | 152 31 21 | 14.155 | -4 2 5 | 14.120 | -161608.975 | -46003.857 | t194 | 1.490 | 1.000 | 28.479 |
| T-8 | t195 | 11 52 16 | 158 48 34 | 14.070 | -4 5 46 | 14.034 | -161609.533 | -46005.299 | t195 | 1.490 | 1.000 | 28.470 |
| T-8 | t196 | 24 13 43 | 171 10 1 | 15.413 | -2 58 54 | 15.392 | -161611.657 | -46008.008 | t196 | 1.490 | 1.000 | 28.673 |
| T-8 | 2217 | 29 18 48 | 176 15 6 | 2.841 | -12 26 37 | 2.774 | -161599.216 | -46010.191 | 2217 | 1.490 | 1.000 | 28.863 |
| T-8 | 2218 | 4 11 9 | 151 7 27 | 7.467 | -5 50 11 | 7.428 | -161602.952 | -46006.785 | 2218 | 1.490 | 1.000 | 28.716 |
| T-8 | 2219 | 36 35 30 | 183 31 48 | 19.917 | 11 42 5 | 19.503 | -161615.914 | -46011.573 | 2219 | 1.490 | 1.000 | 33.514 |
| T-8 | 2220 | 25 30 58 | 172 27 16 | 17.637 | 10 36 28 | 17.336 | -161613.634 | -46008.096 | 2220 | 1.490 | 1.000 | 32.722 |
| T-8 | 2221 | 20 34 28 | 167 30 46 | 21.636 | 11 2 44 | 21.235 | -161617.181 | -46005.781 | 2221 | 1.490 | 1.000 | 33.620 |
| T-8 | 2222 | 11 43 19 | 158 39 37 | 20.646 | 10 28 45 | 20.302 | -161615.358 | -46002.984 | 2222 | 1.490 | 1.000 | 33.230 |
| T-8 | 2223 | 7 41 25 | 154 37 43 | 0.894 | 6 47 54 | 0.888 | -161597.250 | -46009.992 | 2223 | 1.490 | 1.000 | 29.581 |
| T-8 | 2224 | 7 42 20 | 154 38 38 | 31.116 | 6 47 56 | 30.897 | -161624.368 | -45997.141 | 2224 | 1.490 | 1.000 | 33.159 |
| T-8 | 2225 | 44 24 18 | 191 20 36 | 5.685 | 14 23 37 | 5.507 | -161601.847 | -46011.455 | 2225 | 1.490 | 1.000 | 30.888 |
| T-8 | 2226 | 118 17 6 | 265 13 24 | 5.104 | 31 11 52 | 4.366 | -161596.812 | -46014.723 | 2226 | 1.490 | 1.000 | 32.119 |
| T-8 | 2227 | 186 39 14 | 333 35 32 | 3.577 | -2 34 42 | 3.573 | -161593.248 | -46011.961 | 2227 | 1.490 | 1.000 | 29.314 |
| T-8 | 2228 | 181 58 33 | 328 54 51 | 9.491 | 0 46 32 | 9.490 | -161588.321 | -46015.272 | 2228 | 1.490 | 1.000 | 29.603 |
| T-8 | 2229 | 240 47 37 | 27 43 55 | 20.565 | 1 55 58 | 20.553 | -161578.256 | -46000.808 | 2229 | 1.490 | 1.000 | 30.169 |
| T-8 | 2230 | 271 2 9 | 57 58 27 | 24.999 | 2 10 11 | 24.981 | -161583.201 | -45989.193 | 2230 | 1.490 | 1.000 | 30.421 |
| T-8 | 2231 | 294 37 30 | 81 33 48 | 26.719 | 8 28 22 | 26.427 | -161592.571 | -45984.231 | 2231 | 1.490 | 1.000 | 33.412 |
| T-8 | 2232 | 318 31 41 | 105 27 59 | 27.035 | 4 14 38 | 26.961 | -161603.638 | -45984.387 | 2232 | 1.490 | 1.000 | 31.476 |
| T-8 | 2233 | 358 56 53 | 145 53 11 | 14.599 | 1 42 30 | 14.593 | -161608.530 | -46002.188 | 2233 | 1.490 | 1.000 | 29.910 |
| T-8 | 2234 | 18 48 22 | 165 44 40 | 10.886 | -0 8 47 | 10.886 | -161606.999 | -46007.691 | 2234 | 1.490 | 1.000 | 29.447 |
| T-8 | 2235 | 305 33 43 | 92 30 1 | 22.802 | 3 11 22 | 22.767 | -161597.441 | -45987.627 | 2235 | 1.490 | 1.000 | 30.744 |
| T-8 | 2236 | 199 19 6 | 346 15 24 | 4.958 | -15 23 42 | 4.780 | -161591.805 | -46011.508 | 2236 | 1.490 | 1.000 | 28.159 |
| T-8 | 2237 | 254 31 2 | 41 27 20 | 17.086 | -4 20 13 | 17.037 | -161583.679 | -45999.093 | 2237 | 1.490 | 1.000 | 28.183 |
| T-8 | 2238 | 242 30 13 | 29 26 31 | 18.524 | -3 35 5 | 18.488 | -161580.348 | -46001.284 | 2238 | 1.490 | 1.000 | 28.317 |
| T-8 | 2239 | 189 37 22 | 336 33 40 | 8.694 | -7 54 50 | 8.611 | -161588.548 | -46013.797 | 2239 | 1.490 | 1.000 | 28.278 |
| T-8 | 2240 | 184 40 29 | 331 36 47 | 17.502 | -2 55 53 | 17.479 | -161581.071 | -46018.682 | 2240 | 1.490 | 1.000 | 28.580 |
| T-8 | 2241 | 196 37 45 | 343 34 3 | 15.715 | -3 16 50 | 15.689 | -161581.400 | -46014.810 | 2241 | 1.490 | 1.000 | 28.576 |
| T-8 | 2242 | 192 40 12 | 339 36 30 | 20.497 | -2 5 19 | 20.483 | -161577.249 | -46017.509 | 2242 | 1.490 | 1.000 | 28.728 |

多角測量計算簿

路線名 L08111416

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-----|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-8 | 2243 | 200 17 37 | 347 13 55 | 21.370 | -1 50 56 | 21.359 | -161575.617 | -46015.092 | 2243 | 1.490 | 1.000 | 28.786 |
| T-8 | 2244 | 206 41 35 | 353 37 53 | 17.986 | -2 32 52 | 17.968 | -161578.591 | -46012.365 | 2244 | 1.490 | 1.000 | 28.675 |
| T-8 | 2245 | 201 6 13 | 348 2 31 | 22.390 | -1 38 45 | 22.381 | -161574.553 | -46015.009 | 2245 | 1.490 | 1.000 | 28.832 |
| T-8 | 2246 | 201 6 12 | 348 2 30 | 22.401 | -1 38 41 | 22.392 | -161574.542 | -46015.012 | 2246 | 1.490 | 1.000 | 28.832 |
| T-8 | 2247 | 223 30 32 | 10 26 50 | 11.804 | -5 3 54 | 11.758 | -161584.885 | -46008.240 | 2247 | 1.490 | 1.000 | 28.433 |
| T-8 | 2248 | 220 55 17 | 7 51 35 | 11.406 | -5 19 18 | 11.357 | -161585.198 | -46008.819 | 2248 | 1.490 | 1.000 | 28.417 |
| T-8 | 2249 | 223 10 3 | 10 6 21 | 11.398 | -5 20 20 | 11.349 | -161585.275 | -46008.381 | 2249 | 1.490 | 1.000 | 28.414 |
| T-8 | 2250 | 217 31 38 | 4 27 56 | 13.333 | -4 10 41 | 13.298 | -161583.190 | -46009.337 | 2250 | 1.490 | 1.000 | 28.504 |
| T-8 | 2251 | 237 43 36 | 24 39 54 | 19.814 | -3 9 2 | 19.784 | -161578.469 | -46002.116 | 2251 | 1.490 | 1.000 | 28.386 |
| T-8 | 2252 | 224 27 34 | 11 23 52 | 15.415 | -3 31 49 | 15.386 | -161581.365 | -46007.331 | 2252 | 1.490 | 1.000 | 28.526 |
| T-8 | 2253 | 206 36 59 | 353 33 17 | 24.002 | -1 27 23 | 23.994 | -161572.606 | -46013.065 | 2253 | 1.490 | 1.000 | 28.865 |
| T-8 | 2254 | 214 37 23 | 1 33 41 | 21.616 | -1 58 28 | 21.603 | -161574.853 | -46009.783 | 2254 | 1.490 | 1.000 | 28.730 |
| T-8 | 2255 | 212 35 39 | 359 31 57 | 25.544 | -1 24 22 | 25.536 | -161570.913 | -46010.580 | 2255 | 1.490 | 1.000 | 28.848 |
| T-8 | 2256 | 231 24 5 | 18 20 23 | 17.647 | -3 15 15 | 17.619 | -161579.724 | -46004.828 | 2256 | 1.490 | 1.000 | 28.473 |
| T-8 | 2257 | 218 19 11 | 5 15 29 | 26.941 | -1 26 44 | 26.932 | -161569.629 | -46007.904 | 2257 | 1.490 | 1.000 | 28.795 |
| T-8 | 2258 | 242 57 5 | 29 53 23 | 18.834 | -3 32 16 | 18.798 | -161580.150 | -46001.004 | 2258 | 1.490 | 1.000 | 28.313 |
| T-8 | 2259 | 205 44 59 | 352 41 17 | 21.617 | -1 44 45 | 21.607 | -161575.017 | -46013.122 | 2259 | 1.490 | 1.000 | 28.816 |
| T-8 | 2260 | 212 17 28 | 359 13 46 | 17.162 | -2 46 5 | 17.142 | -161579.308 | -46010.603 | 2260 | 1.490 | 1.000 | 28.646 |
| T-8 | 2261 | 212 14 46 | 359 11 4 | 23.018 | -1 42 24 | 23.008 | -161573.442 | -46010.700 | 2261 | 1.490 | 1.000 | 28.789 |
| T-8 | 2262 | 212 14 45 | 359 11 3 | 23.020 | -1 42 24 | 23.010 | -161573.440 | -46010.700 | 2262 | 1.490 | 1.000 | 28.789 |
| T-8 | 2263 | 220 8 20 | 7 4 38 | 19.058 | -2 35 9 | 19.039 | -161577.554 | -46008.026 | 2263 | 1.490 | 1.000 | 28.615 |
| T-8 | 2264 | 226 22 6 | 13 18 24 | 21.138 | -2 28 3 | 21.118 | -161575.897 | -46005.511 | 2264 | 1.490 | 1.000 | 28.565 |
| T-8 | 2265 | 240 55 31 | 27 51 49 | 9.285 | -7 18 46 | 9.209 | -161588.307 | -46006.068 | 2265 | 1.490 | 1.000 | 28.293 |
| T-8 | 2266 | 246 36 1 | 33 32 19 | 8.837 | -7 55 8 | 8.753 | -161589.152 | -46005.536 | 2266 | 1.490 | 1.000 | 28.258 |
| T-8 | 2267 | 252 56 6 | 39 52 24 | 8.525 | -8 26 20 | 8.433 | -161589.976 | -46004.966 | 2267 | 1.490 | 1.000 | 28.224 |
| T-8 | 2268 | 259 40 24 | 46 36 42 | 8.280 | -8 55 15 | 8.180 | -161590.829 | -46004.427 | 2268 | 1.490 | 1.000 | 28.191 |
| T-8 | 2269 | 266 37 44 | 53 34 2 | 8.173 | -9 15 48 | 8.066 | -161591.658 | -46003.882 | 2269 | 1.490 | 1.000 | 28.159 |
| T-8 | 2270 | 273 46 24 | 60 42 42 | 8.086 | -9 36 10 | 7.973 | -161592.548 | -46003.418 | 2270 | 1.490 | 1.000 | 28.126 |
| T-8 | 2271 | 280 53 21 | 67 49 39 | 7.872 | -10 8 19 | 7.749 | -161593.524 | -46003.196 | 2271 | 1.490 | 1.000 | 28.089 |
| T-8 | 2272 | 284 9 19 | 71 5 37 | 10.682 | -7 28 48 | 10.591 | -161593.016 | -46000.352 | 2272 | 1.490 | 1.000 | 28.084 |
| T-8 | 2273 | 278 9 27 | 65 5 45 | 10.810 | -7 15 49 | 10.723 | -161591.933 | -46000.646 | 2273 | 1.490 | 1.000 | 28.108 |
| T-8 | 2274 | 252 17 18 | 39 13 36 | 11.483 | -6 2 34 | 11.419 | -161587.602 | -46003.151 | 2274 | 1.490 | 1.000 | 28.266 |
| T-8 | 2275 | 247 35 13 | 34 31 31 | 11.826 | -5 41 22 | 11.768 | -161586.753 | -46003.702 | 2275 | 1.490 | 1.000 | 28.303 |
| T-8 | 2276 | 257 15 0 | 44 11 18 | 11.227 | -6 21 34 | 11.158 | -161588.447 | -46002.595 | 2276 | 1.490 | 1.000 | 28.231 |

多 角 測 量 計 算 簿

路線名 L08111416

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-8 | 2277 | 262 17 19 | 49 13 37 | 11.062 | -6 37 32 | 10.988 | -161589.272 | -46002.051 | 2277 | 1.490 | 1.000 | 28.199 |
| T-8 | 2278 | 267 30 32 | 54 26 50 | 10.957 | -6 51 24 | 10.879 | -161590.122 | -46001.521 | 2278 | 1.490 | 1.000 | 28.167 |
| T-8 | 2279 | 272 53 15 | 59 49 33 | 10.873 | -7 4 36 | 10.790 | -161591.025 | -46001.044 | 2279 | 1.490 | 1.000 | 28.135 |
| T-8 | 2280 | 197 52 45 | 344 49 3 | 4.896 | -15 36 53 | 4.715 | -161591.898 | -46011.607 | 2280 | 1.490 | 1.000 | 28.157 |
| T-8 | 2281 | 279 9 33 | 66 5 51 | 2.090 | -44 51 27 | 1.482 | -161595.848 | -46009.017 | 2281 | 1.490 | 1.000 | 28.001 |
| T-8-1 | T-8 | | 334 30 31 | | | | -161611.053 | -46003.409 | T-8-1 | | | 28.414 |
| T-8-1 | 2282 | 3 0 38 | 337 31 9 | 14.753 | -0 9 20 | 14.753 | -161597.421 | -46009.050 | 2282 | 1.520 | 1.000 | 28.894 |
| T-8-1 | 2283 | 2 15 55 | 336 46 26 | 13.833 | -0 19 42 | 13.833 | -161598.341 | -46008.864 | 2283 | 1.520 | 1.000 | 28.855 |
| T-8-1 | 2284 | 0 43 39 | 335 14 10 | 12.969 | -0 31 50 | 12.968 | -161599.277 | -46008.841 | 2284 | 1.520 | 1.000 | 28.814 |
| T-8-1 | 2285 | 349 58 50 | 324 29 21 | 5.321 | -3 54 17 | 5.309 | -161606.731 | -46006.492 | 2285 | 1.520 | 1.000 | 28.572 |
| T-8-1 | 2286 | 359 22 59 | 333 53 30 | 4.918 | -4 33 43 | 4.902 | -161606.651 | -46005.566 | 2286 | 1.520 | 1.000 | 28.543 |
| T-8-1 | 2287 | 9 26 29 | 343 57 0 | 4.513 | -5 10 8 | 4.495 | -161606.733 | -46004.651 | 2287 | 1.520 | 1.000 | 28.528 |
| T-8-1 | 2288 | 21 8 7 | 355 38 38 | 4.104 | -5 52 6 | 4.082 | -161606.983 | -46003.719 | 2288 | 1.520 | 1.000 | 28.515 |
| T-8-1 | 2289 | 33 47 14 | 8 17 45 | 3.740 | -6 44 23 | 3.714 | -161607.378 | -46002.873 | 2289 | 1.520 | 1.000 | 28.496 |
| T-8-1 | 2290 | 48 1 16 | 22 31 47 | 3.381 | -7 37 0 | 3.351 | -161607.958 | -46002.125 | 2290 | 1.520 | 1.000 | 28.486 |
| T-8-1 | 2291 | 63 44 7 | 38 14 38 | 3.115 | -8 27 42 | 3.081 | -161608.633 | -46001.501 | 2291 | 1.520 | 1.000 | 28.476 |
| T-8-1 | 2292 | 69 28 1 | 43 58 32 | 3.054 | -8 47 39 | 3.018 | -161608.881 | -46001.313 | 2292 | 1.520 | 1.000 | 28.468 |
| T-8-1 | 2293 | 131 6 30 | 105 37 1 | 4.518 | -7 37 58 | 4.478 | -161612.258 | -45999.096 | 2293 | 1.520 | 1.000 | 28.334 |
| T-8-1 | 2294 | 150 52 40 | 125 23 11 | 8.148 | -5 13 26 | 8.114 | -161615.752 | -45996.793 | 2294 | 1.520 | 1.000 | 28.193 |
| T-8-1 | 2295 | 159 2 43 | 133 33 14 | 12.924 | -3 58 21 | 12.893 | -161619.937 | -45994.065 | 2295 | 1.520 | 1.000 | 28.039 |
| T-8-1 | 2296 | 160 38 2 | 135 8 33 | 14.649 | -3 44 47 | 14.618 | -161621.415 | -45993.098 | 2296 | 1.520 | 1.000 | 27.977 |
| T-8-1 | 2297 | 164 40 50 | 139 11 21 | 22.367 | -3 6 43 | 22.334 | -161627.957 | -45988.812 | 2297 | 1.520 | 1.000 | 27.720 |
| T-8-1 | 2298 | 166 22 55 | 140 53 26 | 28.742 | -2 51 36 | 28.706 | -161633.327 | -45985.301 | 2298 | 1.520 | 1.000 | 27.500 |
| T-8-1 | 2299 | 167 44 20 | 142 14 51 | 37.219 | -2 37 47 | 37.180 | -161640.450 | -45980.645 | 2299 | 1.520 | 1.000 | 27.227 |
| T-8-1 | 2300 | 168 11 49 | 142 42 20 | 41.408 | -2 33 27 | 41.367 | -161643.962 | -45978.344 | 2300 | 1.520 | 1.000 | 27.087 |
| T-8-1 | 2301 | 168 43 30 | 143 14 1 | 47.444 | -2 28 25 | 47.400 | -161649.024 | -45975.037 | 2301 | 1.520 | 1.000 | 26.887 |
| T-8-1 | 2302 | 175 56 50 | 150 27 21 | 14.534 | -3 54 26 | 14.500 | -161623.668 | -45996.259 | 2302 | 1.520 | 1.000 | 27.944 |
| T-8-1 | 2303 | 186 12 37 | 160 43 8 | 4.174 | -7 26 22 | 4.139 | -161614.960 | -46002.042 | 2303 | 1.520 | 1.000 | 28.394 |
| T-8-1 | 2304 | 198 5 42 | 172 36 13 | 4.520 | -11 7 10 | 4.435 | -161615.451 | -46002.838 | 2304 | 1.520 | 1.000 | 28.063 |
| T-8-1 | 2305 | 194 32 50 | 169 3 21 | 5.206 | -9 57 23 | 5.128 | -161616.088 | -46002.435 | 2305 | 1.520 | 1.000 | 28.034 |
| T-8-1 | 2306 | 177 43 38 | 152 14 9 | 14.539 | -1 25 46 | 14.534 | -161623.914 | -45996.638 | 2306 | 1.520 | 1.000 | 28.572 |
| T-8-1 | 2307 | 0 0 0 | 334 30 31 | 0.000 | 90 0 0 | 0.000 | -161611.053 | -46003.409 | 2307 | 1.520 | 1.000 | 28.934 |
| T-8-1 | 2308 | 264 52 39 | 239 23 10 | 6.228 | -1 24 48 | 6.226 | -161614.223 | -46008.767 | 2308 | 1.520 | 1.000 | 28.781 |

多角測量計算簿

路線名 L08111416

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-8-1 | 2309 | 281 14 15 | 255 44 46 | 6.583 | -1 18 6 | 6.581 | -161612.673 | -46009.787 | 2309 | 1.520 | 1.000 | 28.785 |
| T-8-1 | 2310 | 277 21 47 | 251 52 18 | 8.225 | -0 19 12 | 8.225 | -161613.612 | -46011.225 | 2310 | 1.520 | 1.000 | 28.889 |
| T-8-1 | 2311 | 298 48 42 | 273 19 13 | 9.055 | -0 56 52 | 9.054 | -161610.528 | -46012.447 | 2311 | 1.520 | 1.000 | 28.785 |
| T-8-1 | 2312 | 321 4 59 | 295 35 30 | 6.313 | -2 27 18 | 6.307 | -161608.329 | -46009.097 | 2312 | 1.520 | 1.000 | 28.664 |
| T-8-1 | 2313 | 0 0 0 | 334 30 31 | 0.000 | 90 0 0 | 0.000 | -161611.053 | -46003.409 | 2313 | 1.520 | 1.000 | 28.934 |
| T-8-1 | 2314 | 334 57 48 | 309 28 19 | 6.080 | -2 56 58 | 6.072 | -161607.193 | -46008.096 | 2314 | 1.520 | 1.000 | 28.622 |
| T-8-1 | 2315 | 344 33 20 | 319 3 51 | 5.871 | -3 18 23 | 5.861 | -161606.625 | -46007.249 | 2315 | 1.520 | 1.000 | 28.596 |
| T-8-1 | 2316 | 343 59 16 | 318 29 47 | 5.468 | -3 48 32 | 5.456 | -161606.967 | -46007.024 | 2316 | 1.520 | 1.000 | 28.571 |
| T-8-1 | 2317 | 319 30 27 | 294 0 58 | 12.938 | -0 22 21 | 12.938 | -161605.787 | -46015.226 | 2317 | 1.520 | 1.000 | 28.850 |
| T-8-1 | 2318 | 324 36 9 | 299 6 40 | 12.309 | -0 29 52 | 12.309 | -161605.064 | -46014.163 | 2318 | 1.520 | 1.000 | 28.828 |
| T-8-1 | 2319 | 324 28 45 | 298 59 16 | 12.262 | -0 31 1 | 12.262 | -161605.110 | -46014.134 | 2319 | 1.520 | 1.000 | 28.824 |
| T-8-1 | 2320 | 335 48 37 | 310 19 8 | 11.307 | -0 48 39 | 11.306 | -161603.737 | -46012.029 | 2320 | 1.520 | 1.000 | 28.774 |
| T-8-1 | t197 | 304 2 32 | 278 33 3 | 8.463 | -3 30 42 | 8.447 | -161609.797 | -46011.762 | t197 | 1.520 | 1.000 | 28.416 |
| T-8-1 | t198 | 321 50 16 | 296 20 47 | 6.547 | -5 23 13 | 6.518 | -161608.160 | -46009.249 | t198 | 1.520 | 1.000 | 28.320 |
| T-8-1 | t199 | 311 42 57 | 286 13 28 | 11.041 | -0 18 30 | 11.041 | -161607.968 | -46014.010 | t199 | 1.520 | 1.000 | 28.875 |
| T-8-1 | t200 | 346 49 11 | 321 19 42 | 8.385 | -1 58 6 | 8.380 | -161604.510 | -46008.645 | t200 | 1.520 | 1.000 | 28.646 |
| T-8-1 | t201 | 2 32 49 | 337 3 20 | 5.028 | -9 51 5 | 4.954 | -161606.491 | -46005.340 | t201 | 1.520 | 1.000 | 28.074 |
| T-8-1 | t202 | 69 32 46 | 44 3 17 | 3.363 | -16 1 18 | 3.232 | -161608.730 | -46001.161 | t202 | 1.520 | 1.000 | 28.006 |
| T-8-1 | t203 | 162 37 56 | 137 8 27 | 18.871 | -4 44 13 | 18.807 | -161624.839 | -45990.616 | t203 | 1.520 | 1.000 | 27.376 |
| T-8-1 | t204 | 168 30 50 | 143 1 21 | 18.375 | -3 24 1 | 18.343 | -161625.707 | -45992.375 | t204 | 1.520 | 1.000 | 27.845 |
| T-8-1 | t205 | 173 47 57 | 148 18 28 | 18.665 | -5 4 30 | 18.592 | -161626.872 | -45993.641 | t205 | 1.520 | 1.000 | 27.283 |
| T-8-1 | t206 | 174 43 20 | 149 13 51 | 18.544 | -3 34 57 | 18.508 | -161626.956 | -45993.940 | t206 | 1.520 | 1.000 | 27.776 |
| T-8-1 | 2321 | 333 26 12 | 307 56 43 | 7.310 | -1 51 31 | 7.306 | -161606.560 | -46009.170 | 2321 | 1.520 | 1.000 | 28.697 |
| T-8-1 | t207 | 292 13 40 | 266 44 11 | 8.153 | -0 52 34 | 8.152 | -161611.517 | -46011.547 | t207 | 1.520 | 1.000 | 28.810 |
| T-8-1 | t208 | 211 14 4 | 185 44 35 | 6.118 | -8 23 9 | 6.053 | -161617.075 | -46004.014 | t208 | 1.520 | 1.000 | 28.042 |
| T-8-1 | 2322 | 258 45 23 | 233 15 54 | 6.101 | 1 6 2 | 6.100 | -161614.701 | -46008.297 | 2322 | 1.520 | 1.000 | 29.052 |
| T-8-1 | 2323 | 263 0 48 | 237 31 19 | 6.060 | 1 5 55 | 6.059 | -161614.306 | -46008.520 | 2323 | 1.520 | 1.000 | 29.051 |
| T-8-1 | 2324 | 263 5 25 | 237 35 56 | 5.730 | 1 8 42 | 5.729 | -161614.123 | -46008.246 | 2324 | 1.520 | 1.000 | 29.049 |
| T-8-1 | 2325 | 264 49 30 | 239 20 1 | 5.749 | 1 8 43 | 5.748 | -161613.985 | -46008.353 | 2325 | 1.520 | 1.000 | 29.049 |
| T-8-1 | 2326 | 263 44 58 | 238 15 29 | 9.915 | 11 26 46 | 9.718 | -161616.165 | -46011.673 | 2326 | 1.520 | 1.000 | 30.902 |
| T-8-1 | 2327 | 272 7 35 | 246 38 6 | 9.856 | 10 49 23 | 9.681 | -161614.892 | -46012.296 | 2327 | 1.520 | 1.000 | 30.785 |
| T-8-1 | 2328 | 275 6 2 | 249 36 33 | 7.487 | 0 43 43 | 7.486 | -161613.661 | -46010.425 | 2328 | 1.520 | 1.000 | 29.030 |
| T-8-1 | 2329 | 276 24 23 | 250 54 54 | 7.730 | 0 43 43 | 7.729 | -161613.580 | -46010.713 | 2329 | 1.520 | 1.000 | 29.033 |
| T-8-1 | 2330 | 276 22 51 | 250 53 22 | 7.533 | 0 43 42 | 7.532 | -161613.519 | -46010.525 | 2330 | 1.520 | 1.000 | 29.030 |

多角測量計算簿

路線名 L08111416

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|-------|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-8-1 | 2331 | 4 19 56 | 338 50 27 | 13.164 | -4 37 14 | 13.121 | -161598.816 | -46008.145 | 2331 | 1.520 | 1.000 | 27.874 |
| T-8-1 | 2332 | 5 11 42 | 339 42 13 | 13.872 | -4 13 8 | 13.834 | -161598.078 | -46008.207 | 2332 | 1.520 | 1.000 | 27.914 |
| T-8-1 | T-8-4 | 0 0 0 | 334 30 31 | 0.000 | 90 0 0 | 0.000 | -161611.053 | -46003.409 | T-8-4 | 1.520 | 1.000 | 28.934 |
| T-8-1 | 2333 | 5 37 53 | 340 8 24 | 14.649 | -3 52 34 | 14.615 | -161597.307 | -46008.374 | 2333 | 1.520 | 1.000 | 27.944 |
| T-8-1 | 2334 | 5 38 15 | 340 8 46 | 15.475 | -3 32 38 | 15.445 | -161596.526 | -46008.654 | 2334 | 1.520 | 1.000 | 27.978 |
| T-8-1 | 2335 | 29 14 56 | 3 45 27 | 4.763 | -16 42 58 | 4.562 | -161606.501 | -46003.110 | 2335 | 1.520 | 1.000 | 27.564 |
| T-8-1 | 2336 | 33 12 18 | 7 42 49 | 4.646 | -17 13 44 | 4.438 | -161606.655 | -46002.813 | 2336 | 1.520 | 1.000 | 27.558 |
| T-8-1 | 2337 | 39 44 13 | 14 14 44 | 4.481 | -18 0 44 | 4.261 | -161606.923 | -46002.360 | 2337 | 1.520 | 1.000 | 27.549 |
| T-8-1 | 2338 | 47 38 24 | 22 8 55 | 4.312 | -18 47 1 | 4.082 | -161607.272 | -46001.870 | 2338 | 1.520 | 1.000 | 27.546 |
| T-8-1 | 2339 | 57 59 59 | 32 30 30 | 4.148 | -19 46 6 | 3.904 | -161607.761 | -46001.310 | 2339 | 1.520 | 1.000 | 27.532 |
| T-8-1 | 2340 | 64 38 28 | 39 8 59 | 4.028 | -20 35 4 | 3.771 | -161608.128 | -46001.028 | 2340 | 1.520 | 1.000 | 27.518 |
| T-8-1 | 2341 | 72 17 20 | 46 47 51 | 3.926 | -21 23 51 | 3.655 | -161608.551 | -46000.744 | 2341 | 1.520 | 1.000 | 27.502 |
| T-8-1 | 2342 | 122 44 30 | 97 15 1 | 5.411 | -16 48 19 | 5.180 | -161611.707 | -45998.270 | 2342 | 1.520 | 1.000 | 27.370 |
| T-8-1 | 2343 | 73 14 48 | 47 45 19 | 4.253 | -19 40 29 | 4.005 | -161608.360 | -46000.444 | 2343 | 1.520 | 1.000 | 27.503 |
| T-8-1 | 2344 | 80 23 54 | 54 54 25 | 18.829 | -4 18 4 | 18.776 | -161600.258 | -45988.046 | 2344 | 1.520 | 1.000 | 27.522 |
| T-8-1 | 2345 | 125 15 28 | 99 45 59 | 5.189 | -17 32 39 | 4.948 | -161611.892 | -45998.532 | 2345 | 1.520 | 1.000 | 27.370 |
| T-8-1 | 2346 | 137 47 31 | 112 18 2 | 6.591 | -14 19 9 | 6.386 | -161613.476 | -45997.500 | 2346 | 1.520 | 1.000 | 27.304 |
| T-8-1 | 2347 | 151 6 11 | 125 36 42 | 10.156 | -9 58 49 | 10.002 | -161616.877 | -45995.277 | 2347 | 1.520 | 1.000 | 27.174 |
| T-8-1 | 2348 | 156 56 12 | 131 26 43 | 13.765 | -7 53 31 | 13.635 | -161620.078 | -45993.188 | 2348 | 1.520 | 1.000 | 27.044 |
| T-8-1 | 2349 | 161 29 25 | 135 59 56 | 19.424 | -6 8 15 | 19.313 | -161624.945 | -45989.992 | 2349 | 1.520 | 1.000 | 26.858 |
| T-8-1 | 2350 | 163 46 16 | 138 16 47 | 24.510 | -5 15 20 | 24.407 | -161629.270 | -45987.166 | 2350 | 1.520 | 1.000 | 26.689 |
| T-8-1 | 2351 | 165 34 7 | 140 4 38 | 30.997 | -4 34 4 | 30.899 | -161634.750 | -45983.579 | 2351 | 1.520 | 1.000 | 26.466 |
| T-8-1 | 2352 | 166 37 58 | 141 8 29 | 36.807 | -4 8 24 | 36.711 | -161639.640 | -45980.376 | 2352 | 1.520 | 1.000 | 26.277 |
| T-8-1 | 2353 | 137 15 46 | 111 46 17 | 6.777 | -13 56 10 | 6.578 | -161613.493 | -45997.300 | 2353 | 1.520 | 1.000 | 27.302 |
| T-8-1 | 2354 | 105 40 16 | 80 10 47 | 13.591 | -6 11 35 | 13.512 | -161608.748 | -45990.094 | 2354 | 1.520 | 1.000 | 27.468 |
| T-8-1 | 2355 | 49 1 3 | 23 31 34 | 12.237 | -5 7 10 | 12.188 | -161599.878 | -45998.543 | 2355 | 1.520 | 1.000 | 27.843 |
| T-8-1 | 2356 | 58 38 46 | 33 9 17 | 14.093 | -4 32 49 | 14.049 | -161599.291 | -45995.725 | 2356 | 1.520 | 1.000 | 27.817 |
| T-8-1 | 2357 | 61 29 10 | 35 59 41 | 10.416 | -6 38 10 | 10.346 | -161602.682 | -45997.328 | 2357 | 1.520 | 1.000 | 27.731 |
| T-8-1 | 2358 | 66 47 22 | 41 17 53 | 10.090 | -7 3 2 | 10.014 | -161603.529 | -45996.800 | 2358 | 1.520 | 1.000 | 27.696 |
| T-8-1 | 2359 | 72 28 16 | 46 58 47 | 9.879 | -7 24 30 | 9.797 | -161604.369 | -45996.246 | 2359 | 1.520 | 1.000 | 27.661 |
| T-8-1 | 2360 | 78 14 52 | 52 45 23 | 9.757 | -7 42 14 | 9.669 | -161605.201 | -45995.711 | 2360 | 1.520 | 1.000 | 27.626 |
| T-8-1 | 2361 | 79 9 30 | 53 40 1 | 12.520 | -5 50 47 | 12.455 | -161603.674 | -45993.375 | 2361 | 1.520 | 1.000 | 27.659 |
| T-8-1 | 2362 | 74 37 48 | 49 8 19 | 12.603 | -5 38 49 | 12.542 | -161602.847 | -45993.923 | 2362 | 1.520 | 1.000 | 27.694 |
| T-8-1 | 2363 | 70 7 32 | 44 38 3 | 12.753 | -5 25 22 | 12.696 | -161602.018 | -45994.489 | 2363 | 1.520 | 1.000 | 27.729 |

多 角 測 量 計 算 簿

路線名 L08111416

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-8-1 | 2364 | 65 51 12 | 40 21 43 | 13.039 | -5 9 28 | 12.986 | -161601.158 | -45994.999 | 2364 | 1.520 | 1.000 | 27.762 |
| T-8-1 | 2365 | 61 44 52 | 36 15 23 | 13.393 | -4 53 39 | 13.344 | -161600.293 | -45995.517 | 2365 | 1.520 | 1.000 | 27.792 |
| T-8-1 | 2366 | 123 22 39 | 97 53 10 | 8.969 | -10 2 54 | 8.831 | -161612.265 | -45994.661 | 2366 | 1.520 | 1.000 | 27.370 |
| T-8-1 | 2367 | 148 55 44 | 123 26 15 | 16.997 | -6 22 51 | 16.892 | -161620.361 | -45989.312 | 2367 | 1.520 | 1.000 | 27.045 |
| T-8-1 | 2368 | 156 5 54 | 130 36 25 | 24.041 | -5 5 34 | 23.946 | -161626.638 | -45985.229 | 2368 | 1.520 | 1.000 | 26.800 |
| T-8-1 | 2369 | 161 40 48 | 136 11 19 | 36.442 | -4 1 2 | 36.352 | -161637.285 | -45978.242 | 2369 | 1.520 | 1.000 | 26.381 |
| T-8-1 | 2370 | 157 7 52 | 131 38 23 | 37.097 | -3 53 0 | 37.012 | -161635.645 | -45975.748 | 2370 | 1.520 | 1.000 | 26.422 |
| T-8-1 | 2371 | 113 17 46 | 87 48 17 | 11.395 | -7 36 55 | 11.294 | -161610.620 | -45992.123 | 2371 | 1.520 | 1.000 | 27.424 |
| T-8-1 | 2372 | 97 37 31 | 72 8 2 | 13.021 | -6 14 1 | 12.944 | -161607.082 | -45991.089 | 2372 | 1.520 | 1.000 | 27.521 |
| T-8-1 | 2373 | 132 13 29 | 106 44 0 | 19.457 | -5 17 0 | 19.374 | -161616.631 | -45984.855 | 2373 | 1.520 | 1.000 | 27.143 |
| T-8-1 | 2374 | 148 19 6 | 122 49 37 | 30.778 | -4 8 6 | 30.698 | -161627.694 | -45977.613 | 2374 | 1.520 | 1.000 | 26.715 |
| T-8-1 | 2375 | 97 4 48 | 71 35 19 | 13.485 | -6 4 39 | 13.409 | -161606.818 | -45990.686 | 2375 | 1.520 | 1.000 | 27.507 |
| T-8-1 | 2376 | 133 18 50 | 107 49 21 | 20.722 | -5 5 46 | 20.640 | -161617.370 | -45983.759 | 2376 | 1.520 | 1.000 | 27.094 |
| T-8-1 | 2377 | 148 40 50 | 123 11 21 | 32.546 | -4 1 59 | 32.465 | -161628.824 | -45976.240 | 2377 | 1.520 | 1.000 | 26.645 |
| T-8-1 | 2378 | 127 49 9 | 102 19 40 | 47.041 | 4 34 36 | 46.891 | -161621.064 | -45957.599 | 2378 | 1.520 | 1.000 | 32.688 |
| T-8-1 | 2379 | 104 56 21 | 79 26 52 | 35.865 | 6 19 10 | 35.647 | -161604.525 | -45968.364 | 2379 | 1.520 | 1.000 | 32.882 |
| T-8-1 | 2380 | 99 26 22 | 73 56 53 | 46.864 | 2 55 22 | 46.803 | -161598.111 | -45958.430 | 2380 | 1.520 | 1.000 | 31.324 |
| T-8-1 | 2381 | 127 28 19 | 101 58 50 | 48.855 | 5 31 37 | 48.628 | -161621.147 | -45955.840 | 2381 | 1.520 | 1.000 | 33.640 |
| T-8-1 | 2382 | 109 26 31 | 83 57 2 | 22.470 | 4 12 10 | 22.410 | -161608.691 | -45981.123 | 2382 | 1.520 | 1.000 | 30.581 |
| T-8-1 | 2383 | 140 30 17 | 115 0 48 | 4.790 | 3 38 9 | 4.780 | -161613.074 | -45999.077 | 2383 | 1.520 | 1.000 | 29.238 |

多 角 測 量 計 算 簿

路線名 L08120838

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|-------|-------|-------|--------|
| T-8-2 | T-8 | | 326 47 11 | | | | -161629.011 | -45989.053 | T-8-2 | | | 27.718 |
| T-8-2 | 2384 | 256 20 34 | 223 7 45 | 3.631 | -5 50 30 | 3.612 | -161631.647 | -45991.522 | 2384 | 1.538 | 1.000 | 27.887 |
| T-8-2 | 2385 | 263 54 7 | 230 41 18 | 8.150 | 3 10 54 | 8.137 | -161634.166 | -45995.348 | 2385 | 1.538 | 1.000 | 28.709 |
| T-8-2 | 2386 | 253 28 39 | 220 15 50 | 4.181 | 5 14 7 | 4.164 | -161632.188 | -45991.744 | 2386 | 1.538 | 1.000 | 28.638 |
| T-8-2 | 2387 | 246 0 30 | 212 47 41 | 4.406 | 5 26 33 | 4.386 | -161632.698 | -45991.428 | 2387 | 1.538 | 1.000 | 28.674 |
| T-8-2 | 2388 | 238 44 55 | 205 32 6 | 4.705 | 5 30 46 | 4.683 | -161633.236 | -45991.071 | 2388 | 1.538 | 1.730 | 27.978 |
| T-8-2 | 2389 | 232 56 18 | 199 43 29 | 5.046 | 5 27 52 | 5.023 | -161633.739 | -45990.748 | 2389 | 1.538 | 1.730 | 28.007 |
| T-8-2 | 2390 | 199 47 42 | 166 34 53 | 11.902 | 3 6 12 | 11.885 | -161640.571 | -45986.294 | 2390 | 1.538 | 1.730 | 28.171 |
| T-8-2 | 2391 | 197 8 43 | 163 55 54 | 13.631 | 2 49 15 | 13.614 | -161642.093 | -45985.284 | 2391 | 1.538 | 1.730 | 28.197 |
| T-8-2 | 2392 | 196 27 57 | 163 15 8 | 17.405 | 2 14 46 | 17.392 | -161645.665 | -45984.041 | 2392 | 1.538 | 1.730 | 28.208 |
| T-8-2 | 2393 | 197 14 41 | 164 1 52 | 16.675 | 2 21 20 | 16.661 | -161645.029 | -45984.469 | 2393 | 1.538 | 1.730 | 28.212 |
| T-8-2 | 2394 | 194 13 41 | 161 0 52 | 16.393 | 2 23 24 | 16.379 | -161644.499 | -45983.724 | 2394 | 1.538 | 1.730 | 28.210 |
| T-8-2 | 2395 | 289 51 39 | 256 38 50 | 10.643 | 2 6 44 | 10.636 | -161631.467 | -45999.401 | 2395 | 1.538 | 1.730 | 27.918 |
| T-8-2 | 2396 | 294 20 26 | 261 7 37 | 8.754 | 2 22 7 | 8.747 | -161630.360 | -45997.695 | 2396 | 1.538 | 1.730 | 27.888 |
| T-8-2 | 2397 | 293 40 7 | 260 27 18 | 8.671 | 2 21 15 | 8.664 | -161630.447 | -45997.597 | 2397 | 1.538 | 1.730 | 27.882 |
| T-8-2 | 2398 | 295 16 37 | 262 3 48 | 8.168 | 2 32 59 | 8.160 | -161630.137 | -45997.134 | 2398 | 1.538 | 1.730 | 27.890 |
| T-8-2 | 2399 | 298 38 4 | 265 25 15 | 8.437 | 2 29 45 | 8.429 | -161629.684 | -45997.455 | 2399 | 1.538 | 1.730 | 27.894 |
| T-8-2 | 2400 | 313 17 13 | 280 4 24 | 8.983 | 2 16 37 | 8.976 | -161627.441 | -45997.890 | 2400 | 1.538 | 1.730 | 27.883 |
| T-8-2 | 2401 | 315 46 17 | 282 33 28 | 8.577 | 2 23 49 | 8.569 | -161627.148 | -45997.417 | 2401 | 1.538 | 1.730 | 27.885 |
| T-8-2 | 2402 | 329 27 34 | 296 14 45 | 7.656 | 2 36 48 | 7.648 | -161625.628 | -45995.912 | 2402 | 1.538 | 1.730 | 27.875 |
| T-8-2 | 2403 | 322 17 17 | 289 4 28 | 5.680 | 2 42 13 | 5.674 | -161627.156 | -45994.415 | 2403 | 1.538 | 1.730 | 27.794 |
| T-8-2 | 2404 | 316 6 1 | 282 53 12 | 12.186 | 2 10 9 | 12.177 | -161626.295 | -46000.923 | 2404 | 1.538 | 1.730 | 27.987 |
| T-8-2 | t209 | 206 52 15 | 173 39 26 | 14.349 | -0 23 1 | 14.349 | -161643.272 | -45987.467 | t209 | 1.538 | 1.000 | 28.160 |
| T-8-2 | t210 | 290 56 4 | 257 43 15 | 10.557 | -2 59 22 | 10.543 | -161631.253 | -45999.354 | t210 | 1.538 | 1.000 | 27.706 |
| T-8-2 | t211 | 295 11 1 | 261 58 12 | 8.817 | -3 46 20 | 8.798 | -161630.240 | -45997.764 | t211 | 1.538 | 1.000 | 27.676 |
| T-8-2 | t212 | 296 23 8 | 263 10 19 | 8.573 | -4 6 21 | 8.551 | -161630.027 | -45997.543 | t212 | 1.538 | 1.000 | 27.642 |
| T-8-2 | t213 | 287 31 28 | 254 18 39 | 9.143 | -2 5 45 | 9.137 | -161631.481 | -45997.849 | t213 | 1.538 | 1.000 | 27.922 |
| T-8-2 | t214 | 318 25 57 | 285 13 8 | 4.513 | -6 29 30 | 4.484 | -161627.834 | -45993.379 | t214 | 1.538 | 1.000 | 27.746 |
| T-8-2 | 2405 | 317 30 54 | 284 18 5 | 12.346 | 25 19 10 | 11.160 | -161626.254 | -45999.867 | 2405 | 1.538 | 1.000 | 33.536 |
| T-8-2 | 2406 | 298 9 24 | 264 56 35 | 9.623 | 27 27 42 | 8.539 | -161629.763 | -45997.558 | 2406 | 1.538 | 1.000 | 32.694 |
| T-8-2 | 2407 | 278 37 26 | 245 24 37 | 27.361 | 9 45 13 | 26.966 | -161640.232 | -46013.573 | 2407 | 1.538 | 1.000 | 32.891 |
| T-8-2 | 2408 | 333 52 3 | 300 39 14 | 9.380 | -4 10 41 | 9.355 | -161624.241 | -45997.100 | 2408 | 1.538 | 1.000 | 27.573 |
| T-8-2 | 2409 | 339 38 5 | 306 25 16 | 8.948 | -0 44 26 | 8.947 | -161623.699 | -45996.252 | 2409 | 1.538 | 1.000 | 28.141 |
| T-8-2 | 2410 | 338 58 4 | 305 45 15 | 8.662 | -0 44 25 | 8.661 | -161623.950 | -45996.081 | 2410 | 1.538 | 1.000 | 28.144 |

多角測量計算簿

路線名 L08120838

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-8-2 | 2411 | 334 28 20 | 301 15 31 | 8.951 | -0 42 6 | 8.950 | -161624.366 | -45996.703 | 2411 | 1.538 | 1.000 | 28.147 |
| T-8-2 | 2412 | 193 30 42 | 160 17 53 | 14.273 | 1 47 33 | 14.266 | -161642.441 | -45984.243 | 2412 | 1.538 | 1.000 | 28.703 |
| T-8-2 | 2413 | 159 8 36 | 125 55 47 | 8.660 | -11 41 45 | 8.480 | -161633.987 | -45982.186 | 2413 | 1.538 | 1.000 | 26.501 |
| T-8-2 | 2414 | 134 23 54 | 101 11 5 | 4.501 | -20 43 51 | 4.210 | -161629.827 | -45984.922 | 2414 | 1.538 | 1.000 | 26.663 |
| T-8-2 | 2415 | 142 41 50 | 109 29 1 | 10.090 | -9 38 58 | 9.947 | -161632.328 | -45979.675 | 2415 | 1.538 | 1.000 | 26.565 |
| T-8-2 | 2416 | 116 1 54 | 82 49 5 | 6.854 | -12 53 41 | 6.681 | -161628.175 | -45982.424 | 2416 | 1.538 | 1.000 | 26.727 |
| T-8-2 | 2417 | 131 37 24 | 98 24 35 | 12.020 | -7 51 4 | 11.907 | -161630.752 | -45977.274 | 2417 | 1.538 | 1.000 | 26.614 |
| T-8-2 | 2418 | 107 51 29 | 74 38 40 | 9.687 | -8 44 44 | 9.574 | -161626.475 | -45979.820 | 2418 | 1.538 | 1.000 | 26.783 |
| T-8-2 | 2419 | 19 17 19 | 346 4 30 | 9.170 | -7 36 4 | 9.089 | -161620.189 | -45991.240 | 2419 | 1.538 | 1.000 | 27.043 |
| T-8-2 | 2420 | 12 31 10 | 339 18 21 | 13.962 | -4 17 40 | 13.923 | -161615.986 | -45993.973 | 2420 | 1.538 | 1.000 | 27.211 |
| T-8-2 | 2421 | 23 56 41 | 350 43 52 | 14.853 | -3 47 46 | 14.820 | -161614.384 | -45991.440 | 2421 | 1.538 | 1.000 | 27.273 |
| T-8-2 | 2422 | 23 56 41 | 350 43 52 | 14.853 | -3 47 45 | 14.820 | -161614.384 | -45991.440 | 2422 | 1.538 | 1.000 | 27.273 |
| T-8-2 | 2423 | 34 57 54 | 1 45 5 | 10.523 | -6 16 45 | 10.460 | -161618.555 | -45988.733 | 2423 | 1.538 | 1.000 | 27.105 |
| T-8-2 | 2424 | 33 57 56 | 0 45 7 | 16.370 | -3 14 56 | 16.344 | -161612.668 | -45988.838 | 2424 | 1.538 | 1.000 | 27.328 |
| T-8-2 | 2425 | 359 59 59 | 326 47 10 | 0.000 | 90 0 0 | 0.000 | -161629.011 | -45989.053 | 2425 | 1.538 | 1.000 | 28.256 |
| T-8-2 | 2426 | 46 2 53 | 12 50 4 | 12.401 | -5 5 43 | 12.352 | -161616.967 | -45986.309 | 2426 | 1.538 | 1.000 | 27.155 |
| T-8-2 | 2427 | 133 44 10 | 100 31 21 | 14.341 | -6 51 16 | 14.238 | -161631.611 | -45975.054 | 2427 | 1.538 | 1.000 | 26.545 |
| T-8-2 | 2428 | 143 45 11 | 110 32 22 | 17.519 | -6 4 13 | 17.421 | -161635.123 | -45972.739 | 2428 | 1.538 | 1.000 | 26.404 |
| T-8-2 | 2429 | 131 31 40 | 98 18 51 | 14.521 | -6 45 18 | 14.420 | -161631.096 | -45974.784 | 2429 | 1.538 | 1.000 | 26.548 |
| T-8-2 | 2430 | 183 56 9 | 150 43 20 | 10.626 | -4 56 58 | 10.586 | -161638.244 | -45983.875 | 2430 | 1.538 | 1.000 | 27.339 |
| T-8-2 | 2431 | 189 57 1 | 156 44 12 | 18.202 | 21 54 18 | 16.888 | -161644.526 | -45982.382 | 2431 | 1.538 | 1.000 | 35.047 |
| T-8-2 | 2432 | 190 24 9 | 157 11 20 | 17.535 | 22 42 11 | 16.176 | -161643.921 | -45982.781 | 2432 | 1.538 | 1.000 | 35.024 |
| T-8-2 | 2433 | 200 33 33 | 167 20 44 | 18.330 | 22 1 36 | 16.992 | -161645.590 | -45985.330 | 2433 | 1.538 | 1.000 | 35.131 |
| T-8-3 | T-8 | | 231 50 0 | | | | -161584.513 | -45995.187 | T-8-3 | | | 29.080 |
| T-8-3 | 2434 | 348 12 8 | 220 2 8 | 19.479 | -2 14 48 | 19.464 | -161599.415 | -46007.707 | 2434 | 1.553 | 1.000 | 28.869 |
| T-8-3 | 2435 | 348 57 0 | 220 47 0 | 20.385 | -2 17 20 | 20.369 | -161599.936 | -46008.492 | 2435 | 1.553 | 1.000 | 28.819 |
| T-8-3 | 2436 | 347 33 49 | 219 23 49 | 21.734 | -2 19 51 | 21.716 | -161601.294 | -46008.970 | 2436 | 1.553 | 1.000 | 28.749 |
| T-8-3 | 2437 | 346 3 53 | 217 53 53 | 22.865 | -2 19 53 | 22.846 | -161602.541 | -46009.220 | 2437 | 1.553 | 1.000 | 28.703 |
| T-8-3 | 2438 | 337 2 45 | 208 52 45 | 24.491 | -2 25 34 | 24.469 | -161605.939 | -46007.005 | 2438 | 1.553 | 1.000 | 28.596 |
| T-8-3 | 2439 | 334 2 40 | 205 52 40 | 24.089 | -2 29 28 | 24.066 | -161606.166 | -46005.691 | 2439 | 1.553 | 1.000 | 28.586 |
| T-8-3 | 2440 | 330 50 21 | 202 40 21 | 23.677 | -2 36 18 | 23.653 | -161606.338 | -46004.304 | 2440 | 1.553 | 1.000 | 28.557 |
| T-8-3 | 2441 | 329 28 58 | 201 18 58 | 22.885 | -2 36 12 | 22.861 | -161605.810 | -46003.497 | 2441 | 1.553 | 1.000 | 28.593 |
| T-8-3 | 2442 | 94 5 21 | 325 55 21 | 13.258 | 0 18 58 | 13.258 | -161573.532 | -46002.616 | 2442 | 1.553 | 1.000 | 29.706 |

多 角 測 量 計 算 簿

路線名 L08120838

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-8-3 | 2443 | 93 32 51 | 325 22 51 | 9.641 | -0 17 29 | 9.641 | -161576.579 | -46000.664 | 2443 | 1.553 | 1.000 | 29.584 |
| T-8-3 | 2444 | 92 37 28 | 324 27 28 | 9.492 | -0 19 18 | 9.492 | -161576.789 | -46000.705 | 2444 | 1.553 | 1.000 | 29.580 |
| T-8-3 | 2445 | 86 5 53 | 317 55 53 | 9.594 | -0 31 6 | 9.594 | -161577.391 | -46001.615 | 2445 | 1.553 | 1.000 | 29.546 |
| T-8-3 | 2446 | 88 55 7 | 320 45 7 | 15.851 | -0 2 55 | 15.851 | -161572.238 | -46005.216 | 2446 | 1.553 | 1.000 | 29.619 |
| T-8-3 | 2447 | 82 53 17 | 314 43 17 | 8.033 | -2 17 27 | 8.027 | -161578.865 | -46000.891 | 2447 | 1.553 | 1.000 | 29.312 |
| T-8-3 | 2448 | 64 15 11 | 296 5 11 | 3.314 | -8 29 21 | 3.278 | -161583.071 | -45998.131 | 2448 | 1.553 | 1.000 | 29.144 |
| T-8-3 | 2449 | 53 38 7 | 285 28 7 | 2.369 | -12 38 28 | 2.312 | -161583.896 | -45997.415 | 2449 | 1.553 | 1.000 | 29.114 |
| T-8-3 | 2450 | 37 37 44 | 269 27 44 | 1.539 | -20 47 24 | 1.439 | -161584.526 | -45996.626 | 2450 | 1.553 | 1.000 | 29.087 |
| T-8-3 | 2451 | 355 53 4 | 227 43 4 | 0.935 | -38 39 58 | 0.730 | -161585.004 | -45995.727 | 2451 | 1.553 | 1.000 | 29.049 |
| T-8-3 | 2452 | 280 13 14 | 152 3 14 | 1.083 | -34 24 13 | 0.894 | -161585.303 | -45994.768 | 2452 | 1.553 | 1.000 | 29.021 |
| T-8-3 | 2453 | 247 14 36 | 119 4 36 | 1.756 | -21 1 4 | 1.639 | -161585.309 | -45993.755 | 2453 | 1.553 | 1.000 | 29.003 |
| T-8-3 | 2454 | 231 48 7 | 103 38 7 | 2.584 | -15 0 11 | 2.496 | -161585.101 | -45992.761 | 2454 | 1.553 | 1.000 | 28.964 |
| T-8-3 | 2455 | 222 49 19 | 94 39 19 | 3.462 | -11 37 34 | 3.391 | -161584.788 | -45991.807 | 2455 | 1.553 | 1.000 | 28.935 |
| T-8-3 | 2456 | 216 49 38 | 88 39 38 | 4.365 | -9 38 7 | 4.303 | -161584.412 | -45990.885 | 2456 | 1.553 | 1.000 | 28.902 |
| T-8-3 | 2457 | 213 26 42 | 85 16 42 | 5.090 | -8 26 35 | 5.035 | -161584.098 | -45990.169 | 2457 | 1.553 | 1.000 | 28.886 |
| T-8-3 | 2458 | 208 25 26 | 80 15 26 | 6.737 | -6 45 21 | 6.690 | -161583.381 | -45988.594 | 2458 | 1.553 | 1.000 | 28.840 |
| T-8-3 | 2459 | 206 39 14 | 78 29 14 | 7.620 | -5 56 57 | 7.579 | -161583.000 | -45987.761 | 2459 | 1.553 | 1.000 | 28.843 |
| T-8-3 | 2460 | 212 30 23 | 84 20 23 | 7.828 | -5 31 32 | 7.792 | -161583.744 | -45987.433 | 2460 | 1.553 | 1.000 | 28.879 |
| T-8-3 | 2461 | 201 18 32 | 73 8 32 | 12.502 | -3 26 16 | 12.480 | -161580.894 | -45983.243 | 2461 | 1.553 | 1.000 | 28.883 |
| T-8-3 | 2462 | 199 58 46 | 71 48 46 | 14.980 | -2 48 13 | 14.962 | -161579.843 | -45980.973 | 2462 | 1.553 | 1.000 | 28.900 |
| T-8-3 | 2463 | 267 51 57 | 139 41 57 | 2.936 | -33 43 37 | 2.442 | -161586.375 | -45993.608 | 2463 | 1.553 | 1.000 | 28.003 |
| T-8-3 | 2464 | 272 50 30 | 144 40 30 | 11.225 | -10 1 50 | 11.053 | -161593.531 | -45988.796 | 2464 | 1.553 | 1.000 | 27.678 |
| T-8-3 | 2465 | 259 28 57 | 131 18 57 | 12.051 | -9 20 0 | 11.891 | -161592.363 | -45986.256 | 2465 | 1.553 | 1.000 | 27.679 |
| T-8-3 | 2466 | 258 32 19 | 130 22 19 | 11.659 | -9 34 45 | 11.496 | -161591.959 | -45986.429 | 2466 | 1.553 | 1.000 | 27.693 |
| T-8-3 | 2467 | 252 49 26 | 124 39 26 | 11.755 | -9 25 21 | 11.596 | -161591.107 | -45985.649 | 2467 | 1.553 | 1.000 | 27.708 |
| T-8-3 | 2468 | 220 5 21 | 91 55 21 | 5.484 | -18 12 52 | 5.209 | -161584.688 | -45989.981 | 2468 | 1.553 | 1.000 | 27.919 |
| T-8-3 | 2469 | 185 7 31 | 56 57 31 | 12.814 | 12 9 15 | 12.527 | -161577.683 | -45984.686 | 2469 | 1.553 | 1.000 | 32.331 |
| T-8-3 | 2470 | 155 59 30 | 27 49 30 | 3.096 | 1 53 5 | 3.094 | -161581.777 | -45993.743 | 2470 | 1.553 | 1.000 | 29.735 |
| T-8-3 | 2471 | 114 39 32 | 346 29 32 | 8.109 | 1 53 10 | 8.105 | -161576.632 | -45997.080 | 2471 | 1.553 | 1.000 | 29.900 |
| T-8-3 | 2472 | 107 57 23 | 339 47 23 | 12.121 | -0 1 27 | 12.121 | -161573.138 | -45999.374 | 2472 | 1.553 | 1.000 | 29.628 |
| T-8-3 | 2473 | 105 47 58 | 337 37 58 | 14.472 | -0 1 24 | 14.472 | -161571.130 | -46000.694 | 2473 | 1.553 | 1.000 | 29.627 |
| T-8-3 | 2474 | 105 48 1 | 337 38 1 | 15.257 | 6 13 22 | 15.167 | -161570.487 | -46000.959 | 2474 | 1.553 | 1.000 | 31.287 |
| T-8-3 | 2475 | 105 48 1 | 337 38 1 | 15.258 | 6 13 21 | 15.168 | -161570.486 | -46000.959 | 2475 | 1.553 | 1.000 | 31.287 |
| T-8-3 | 2476 | 153 16 31 | 25 6 31 | 3.743 | 27 38 2 | 3.316 | -161581.510 | -45993.780 | 2476 | 1.553 | 1.000 | 31.369 |

多角測量計算簿

路線名 L08120838

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-8-3 | 2477 | 185 6 26 | 56 56 26 | 14.276 | 7 51 27 | 14.142 | -161576.798 | -45983.335 | 2477 | 1.553 | 1.000 | 31.585 |
| T-8-3 | 2478 | 185 4 43 | 56 54 43 | 14.742 | 8 48 20 | 14.568 | -161576.560 | -45982.981 | 2478 | 1.553 | 1.000 | 31.890 |
| T-8-3 | 2479 | 152 42 51 | 24 32 51 | 4.011 | 31 52 23 | 3.406 | -161581.415 | -45993.772 | 2479 | 1.553 | 1.000 | 31.751 |
| T-8-3 | 2480 | 108 14 52 | 340 4 52 | 12.949 | 10 13 23 | 12.743 | -161572.532 | -45999.528 | 2480 | 1.553 | 1.000 | 31.931 |
| T-8-3 | 2481 | 103 42 42 | 335 32 42 | 13.531 | 0 39 20 | 13.530 | -161572.197 | -46000.788 | 2481 | 1.553 | 1.000 | 29.788 |
| T-8-3 | 2482 | 116 44 33 | 348 34 33 | 5.546 | -2 59 37 | 5.538 | -161579.085 | -45996.284 | 2482 | 1.553 | 1.000 | 29.343 |
| T-8-3 | 2483 | 209 34 42 | 81 24 42 | 2.338 | -15 15 28 | 2.256 | -161584.176 | -45992.956 | 2483 | 1.553 | 1.000 | 29.018 |
| T-8-3 | 2484 | 206 46 57 | 78 36 57 | 2.601 | -13 49 20 | 2.526 | -161584.014 | -45992.711 | 2484 | 1.553 | 1.000 | 29.012 |
| T-8-3 | 2485 | 206 0 42 | 77 50 42 | 2.906 | -12 33 10 | 2.837 | -161583.916 | -45992.414 | 2485 | 1.553 | 1.000 | 29.001 |
| T-8-3 | 2486 | 205 33 27 | 77 23 27 | 3.213 | -11 32 31 | 3.148 | -161583.826 | -45992.115 | 2486 | 1.553 | 1.000 | 28.990 |
| T-8-3 | 2487 | 205 5 19 | 76 55 19 | 3.820 | -25 36 3 | 3.445 | -161583.733 | -45991.831 | 2487 | 1.553 | 1.000 | 27.982 |
| T-8-3 | 2488 | 205 44 38 | 77 34 38 | 3.842 | -25 28 53 | 3.468 | -161583.767 | -45991.800 | 2488 | 1.553 | 1.000 | 27.980 |
| T-8-3 | 2489 | 204 16 28 | 76 6 28 | 4.095 | -23 50 7 | 3.746 | -161583.613 | -45991.551 | 2489 | 1.553 | 1.000 | 27.978 |
| T-8-3 | 2490 | 205 13 1 | 77 3 1 | 4.124 | -23 42 36 | 3.776 | -161583.667 | -45991.507 | 2490 | 1.553 | 1.000 | 27.975 |
| T-8-3 | 2491 | 203 53 4 | 75 43 4 | 4.381 | -22 17 17 | 4.054 | -161583.513 | -45991.258 | 2491 | 1.553 | 1.000 | 27.971 |
| T-8-3 | 2492 | 204 38 59 | 76 28 59 | 4.410 | -22 11 5 | 4.084 | -161583.558 | -45991.216 | 2492 | 1.553 | 1.000 | 27.968 |
| T-8-3 | 2493 | 203 26 58 | 75 16 58 | 4.662 | -20 57 33 | 4.354 | -161583.407 | -45990.976 | 2493 | 1.553 | 1.000 | 27.965 |
| T-8-3 | 2494 | 210 32 5 | 82 22 5 | 4.875 | -20 21 17 | 4.571 | -161583.906 | -45990.657 | 2494 | 1.553 | 1.000 | 27.937 |
| T-8-3 | 2495 | 212 7 28 | 83 57 28 | 4.628 | -21 27 46 | 4.307 | -161584.060 | -45990.904 | 2495 | 1.553 | 1.000 | 27.940 |
| T-8-3 | 2496 | 211 28 22 | 83 18 22 | 4.602 | -21 34 10 | 4.280 | -161584.014 | -45990.936 | 2496 | 1.553 | 1.000 | 27.941 |
| T-8-3 | 2497 | 213 14 27 | 85 4 27 | 4.354 | -22 49 21 | 4.013 | -161584.168 | -45991.189 | 2497 | 1.553 | 1.000 | 27.944 |
| T-8-3 | 2498 | 212 24 17 | 84 14 17 | 4.321 | -22 56 19 | 3.979 | -161584.113 | -45991.228 | 2498 | 1.553 | 1.000 | 27.949 |
| T-8-3 | 2499 | 214 23 9 | 86 13 9 | 4.078 | -24 19 55 | 3.716 | -161584.268 | -45991.479 | 2499 | 1.553 | 1.000 | 27.953 |
| T-8-3 | 2500 | 213 49 20 | 85 39 20 | 4.055 | -24 26 11 | 3.692 | -161584.233 | -45991.506 | 2500 | 1.553 | 1.000 | 27.955 |
| T-8-3 | 2501 | 216 6 21 | 87 56 21 | 3.816 | -26 0 26 | 3.430 | -161584.390 | -45991.759 | 2501 | 1.553 | 1.000 | 27.960 |
| T-8-3 | 2502 | 215 1 32 | 86 51 32 | 3.779 | -26 13 39 | 3.390 | -161584.327 | -45991.802 | 2502 | 1.553 | 1.000 | 27.963 |
| T-8-3 | 2503 | 217 38 17 | 89 28 17 | 3.549 | -27 58 27 | 3.134 | -161584.484 | -45992.053 | 2503 | 1.553 | 1.000 | 27.968 |
| T-8-3 | 2504 | 216 24 23 | 88 14 23 | 3.507 | -28 14 33 | 3.090 | -161584.418 | -45992.098 | 2504 | 1.553 | 1.000 | 27.973 |
| T-8-3 | 2505 | 219 24 34 | 91 14 34 | 3.284 | -30 15 20 | 2.837 | -161584.574 | -45992.351 | 2505 | 1.553 | 1.000 | 27.978 |
| T-8-3 | 2506 | 218 17 3 | 90 7 3 | 3.244 | -30 34 11 | 2.793 | -161584.519 | -45992.394 | 2506 | 1.553 | 1.000 | 27.983 |
| T-8-3 | 2507 | 221 49 19 | 93 39 19 | 3.033 | -32 52 8 | 2.547 | -161584.675 | -45992.645 | 2507 | 1.553 | 1.000 | 27.987 |
| T-8-3 | 2508 | 219 52 56 | 91 42 56 | 2.977 | -33 25 50 | 2.484 | -161584.587 | -45992.704 | 2508 | 1.553 | 1.000 | 27.993 |
| T-8-3 | 2509 | 224 6 15 | 95 56 15 | 2.774 | -36 3 34 | 2.243 | -161584.745 | -45992.956 | 2509 | 1.553 | 1.000 | 28.000 |
| T-8-3 | 2510 | 220 50 56 | 92 40 56 | 2.692 | -37 8 47 | 2.146 | -161584.613 | -45993.043 | 2510 | 1.553 | 1.000 | 28.007 |

多角測量計算簿

路線名 L08120838

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-8-3 | 2511 | 225 56 1 | 97 46 1 | 2.504 | -40 18 57 | 1.909 | -161584.771 | -45993.296 | 2511 | 1.553 | 1.000 | 28.013 |
| T-8-3 | 2512 | 222 48 53 | 94 38 53 | 2.434 | -41 33 51 | 1.821 | -161584.660 | -45993.372 | 2512 | 1.553 | 1.000 | 28.018 |
| T-8-3 | 2513 | 229 16 49 | 101 6 49 | 2.264 | -45 18 47 | 1.592 | -161584.820 | -45993.625 | 2513 | 1.553 | 1.000 | 28.023 |
| T-8-3 | 2514 | 224 42 6 | 96 32 6 | 2.182 | -47 16 41 | 1.480 | -161584.681 | -45993.717 | 2514 | 1.553 | 1.000 | 28.030 |
| T-8-3 | 2515 | 233 13 3 | 105 3 3 | 2.035 | -51 41 54 | 1.261 | -161584.840 | -45993.969 | 2515 | 1.553 | 1.000 | 28.036 |
| T-8-3 | 2516 | 228 45 9 | 100 35 9 | 1.975 | -53 55 54 | 1.163 | -161584.727 | -45994.044 | 2516 | 1.553 | 1.000 | 28.037 |
| T-8-3 | 2517 | 240 25 0 | 112 15 0 | 1.150 | -31 40 47 | 0.979 | -161584.884 | -45994.281 | 2517 | 1.553 | 1.000 | 29.029 |
| T-8-3 | 2518 | 204 1 51 | 75 51 51 | 0.833 | -44 48 40 | 0.591 | -161584.369 | -45994.614 | 2518 | 1.553 | 1.000 | 29.046 |
| T-8-3 | 2519 | 197 53 18 | 69 43 18 | 1.055 | -33 35 20 | 0.879 | -161584.208 | -45994.363 | 2519 | 1.553 | 1.000 | 29.049 |
| T-8-3 | 2520 | 206 28 18 | 78 18 18 | 1.095 | -32 42 30 | 0.921 | -161584.326 | -45994.285 | 2520 | 1.553 | 1.000 | 29.041 |
| T-8-3 | 2521 | 202 3 31 | 73 53 31 | 1.984 | -52 50 26 | 1.198 | -161584.180 | -45994.036 | 2521 | 1.553 | 1.000 | 28.052 |
| T-8-3 | 2522 | 0 0 0 | 231 50 0 | 0.000 | 90 0 0 | 0.000 | -161584.513 | -45995.187 | 2522 | 1.553 | 1.000 | 29.633 |
| T-8-3 | 2523 | 209 16 34 | 81 6 34 | 2.027 | -51 37 13 | 1.259 | -161584.318 | -45993.943 | 2523 | 1.553 | 1.000 | 28.044 |
| T-8-3 | 2524 | 204 57 28 | 76 47 28 | 2.208 | -46 2 45 | 1.533 | -161584.163 | -45993.695 | 2524 | 1.553 | 1.000 | 28.043 |
| T-8-3 | 2525 | 209 22 28 | 81 12 28 | 2.249 | -45 13 23 | 1.584 | -161584.271 | -45993.622 | 2525 | 1.553 | 1.000 | 28.036 |
| T-8-3 | 2526 | 205 38 14 | 77 28 14 | 2.457 | -40 40 20 | 1.864 | -161584.108 | -45993.367 | 2526 | 1.553 | 1.000 | 28.032 |
| T-8-3 | 2527 | 116 4 29 | 347 54 29 | 5.043 | -15 19 3 | 4.864 | -161579.757 | -45996.206 | 2527 | 1.553 | 0.000 | 29.301 |
| T-8-3 | 2528 | 122 20 8 | 354 10 8 | 5.292 | -14 28 56 | 5.124 | -161579.415 | -45995.708 | 2528 | 1.553 | 0.000 | 29.310 |
| T-8-3 | 2529 | 86 2 21 | 317 52 21 | 4.806 | -16 40 58 | 4.604 | -161581.098 | -45998.275 | 2529 | 1.553 | 0.000 | 29.253 |
| T-8-3 | 2530 | 81 2 29 | 312 52 29 | 3.314 | -25 58 1 | 2.979 | -161582.486 | -45997.370 | 2530 | 1.553 | 0.000 | 29.182 |
| T-8-3 | 2531 | 88 51 6 | 320 41 6 | 6.947 | -10 41 31 | 6.826 | -161579.232 | -45999.512 | 2531 | 1.553 | 0.000 | 29.344 |
| T-8-3 | 2532 | 55 29 23 | 287 19 23 | 3.964 | -21 32 6 | 3.687 | -161583.415 | -45998.707 | 2532 | 1.553 | 0.000 | 29.178 |
| T-8-3 | 2533 | 41 59 32 | 273 49 32 | 3.106 | -28 42 18 | 2.724 | -161584.331 | -45997.905 | 2533 | 1.553 | 0.000 | 29.141 |
| T-8-3 | 2534 | 22 12 9 | 254 2 9 | 2.444 | -38 27 32 | 1.914 | -161585.039 | -45997.027 | 2534 | 1.553 | 0.000 | 29.113 |
| T-8-3 | 2535 | 340 47 54 | 212 37 54 | 2.059 | -49 4 51 | 1.349 | -161585.649 | -45995.914 | 2535 | 1.553 | 0.000 | 29.077 |
| T-8-3 | 2536 | 293 43 34 | 165 33 34 | 2.179 | -46 52 30 | 1.490 | -161585.956 | -45994.815 | 2536 | 1.553 | 0.000 | 29.043 |
| T-8-3 | 2537 | 266 0 6 | 137 50 6 | 2.554 | -39 3 2 | 1.983 | -161585.983 | -45993.856 | 2537 | 1.553 | 0.000 | 29.024 |
| T-8-3 | 2538 | 217 58 7 | 89 48 7 | 5.450 | -18 23 27 | 5.172 | -161584.495 | -45990.015 | 2538 | 1.553 | 0.000 | 28.913 |
| T-8-3 | 2539 | 211 52 45 | 83 42 45 | 7.017 | -14 33 45 | 6.792 | -161583.769 | -45988.436 | 2539 | 1.553 | 0.000 | 28.869 |
| T-8-3 | 2540 | 209 41 24 | 81 31 24 | 7.884 | -12 57 26 | 7.683 | -161583.380 | -45987.588 | 2540 | 1.553 | 0.000 | 28.865 |
| T-8-3 | 2541 | 206 44 1 | 78 34 1 | 9.512 | -10 37 3 | 9.349 | -161582.660 | -45986.024 | 2541 | 1.553 | 0.000 | 28.880 |
| T-8-3 | 2542 | 202 27 5 | 74 17 5 | 13.783 | -7 8 58 | 13.676 | -161580.809 | -45982.022 | 2542 | 1.553 | 0.000 | 28.918 |
| T-8-3 | 2543 | 200 10 47 | 72 0 47 | 18.259 | -5 17 9 | 18.181 | -161578.899 | -45977.895 | 2543 | 1.553 | 0.000 | 28.951 |
| T-8-3 | 2544 | 225 53 21 | 97 43 21 | 9.803 | -10 40 10 | 9.634 | -161585.807 | -45985.640 | 2544 | 1.553 | 0.000 | 28.818 |

多角測量計算簿

路線名 L08120838

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-8-3 | 2545 | 246 41 30 | 118 31 30 | 13.743 | -8 2 21 | 13.608 | -161591.011 | -45983.231 | 2545 | 1.553 | 0.000 | 28.711 |
| T-8-3 | 2546 | 214 56 16 | 86 46 16 | 14.130 | -7 9 22 | 14.020 | -161583.723 | -45981.189 | 2546 | 1.553 | 0.000 | 28.873 |
| T-8-3 | 2547 | 210 14 15 | 82 4 15 | 17.820 | -5 32 20 | 17.737 | -161582.066 | -45977.620 | 2547 | 1.553 | 0.000 | 28.913 |
| T-8-3 | 2548 | 218 11 25 | 90 1 25 | 18.997 | -5 15 29 | 18.917 | -161584.521 | -45976.270 | 2548 | 1.553 | 0.000 | 28.892 |
| T-8-3 | 2549 | 236 4 19 | 107 54 19 | 11.827 | -9 0 11 | 11.681 | -161588.104 | -45984.072 | 2549 | 1.553 | 0.000 | 28.782 |
| T-8-3 | 2550 | 255 14 5 | 127 4 5 | 12.540 | -8 58 19 | 12.387 | -161591.979 | -45985.303 | 2550 | 1.553 | 0.000 | 28.677 |
| T-8-3 | 2551 | 233 11 16 | 105 1 16 | 17.161 | -6 12 9 | 17.061 | -161588.935 | -45978.709 | 2551 | 1.553 | 0.000 | 28.779 |
| T-8-3 | 2552 | 224 52 2 | 96 42 2 | 20.992 | -4 52 45 | 20.916 | -161586.953 | -45974.414 | 2552 | 1.553 | 0.000 | 28.847 |
| T-8-3 | 2553 | 214 33 48 | 86 23 48 | 18.394 | -5 23 37 | 18.313 | -161583.362 | -45976.910 | 2553 | 1.553 | 0.000 | 28.904 |
| T-8-3 | 2554 | 221 15 10 | 93 5 10 | 13.766 | -7 28 22 | 13.649 | -161585.248 | -45981.558 | 2554 | 1.553 | 0.000 | 28.843 |
| T-8-3 | 2555 | 222 31 6 | 94 21 6 | 19.618 | -5 10 54 | 19.538 | -161585.995 | -45975.705 | 2555 | 1.553 | 0.000 | 28.861 |
| T-8-3 | 2556 | 272 59 54 | 144 49 54 | 12.285 | -9 21 13 | 12.122 | -161594.422 | -45988.205 | 2556 | 1.553 | 0.000 | 28.636 |
| T-8-3 | 2557 | 277 5 16 | 148 55 16 | 12.901 | -8 59 0 | 12.743 | -161595.427 | -45988.609 | 2557 | 1.553 | 0.000 | 28.618 |
| T-8-3 | 2558 | 280 0 2 | 151 50 2 | 13.709 | -8 30 32 | 13.558 | -161596.465 | -45988.787 | 2558 | 1.553 | 0.000 | 28.605 |
| T-8-3 | 2559 | 281 56 11 | 153 46 11 | 14.846 | -7 55 54 | 14.704 | -161597.703 | -45988.688 | 2559 | 1.553 | 0.000 | 28.584 |
| T-8-3 | 2560 | 282 37 22 | 154 27 22 | 15.830 | -7 31 43 | 15.694 | -161598.673 | -45988.420 | 2560 | 1.553 | 0.000 | 28.559 |
| T-8-3 | 2561 | 231 35 33 | 103 25 33 | 15.471 | -6 50 27 | 15.361 | -161588.079 | -45980.246 | 2561 | 1.553 | 0.000 | 28.790 |
| T-8-3 | 2562 | 282 46 41 | 154 36 41 | 16.265 | -7 21 23 | 16.131 | -161599.086 | -45988.271 | 2562 | 1.553 | 0.000 | 28.550 |
| T-8-3 | 2563 | 282 44 42 | 154 34 42 | 17.339 | -6 59 34 | 17.210 | -161600.056 | -45987.799 | 2563 | 1.553 | 0.000 | 28.522 |
| T-8-3 | 2564 | 311 11 17 | 183 1 17 | 19.980 | -5 39 51 | 19.882 | -161604.367 | -45996.235 | 2564 | 1.553 | 0.000 | 28.661 |
| T-8-3 | 2565 | 318 53 18 | 190 43 18 | 16.768 | -6 16 35 | 16.667 | -161600.889 | -45998.288 | 2565 | 1.553 | 0.000 | 28.800 |
| T-8-3 | 2566 | 316 54 17 | 188 44 17 | 17.596 | -6 5 47 | 17.496 | -161601.806 | -45997.845 | 2566 | 1.553 | 0.000 | 28.764 |
| T-8-3 | 2567 | 281 42 14 | 153 32 14 | 21.381 | -6 1 43 | 21.263 | -161603.548 | -45985.712 | 2567 | 1.553 | 0.000 | 28.387 |
| T-8-3 | 2568 | 279 34 8 | 151 24 8 | 31.128 | -4 43 17 | 31.022 | -161611.750 | -45980.338 | 2568 | 1.553 | 0.000 | 28.071 |
| T-8-3 | 2569 | 279 34 8 | 151 24 8 | 31.131 | -4 43 17 | 31.025 | -161611.753 | -45980.337 | 2569 | 1.553 | 0.000 | 28.071 |
| T-8-3 | 2570 | 280 52 6 | 152 42 6 | 24.338 | -5 31 28 | 24.225 | -161606.040 | -45984.077 | 2570 | 1.553 | 0.000 | 28.290 |
| T-8-3 | 2571 | 279 5 9 | 150 55 9 | 34.806 | -4 25 53 | 34.702 | -161614.840 | -45978.320 | 2571 | 1.553 | 0.000 | 27.944 |
| T-8-3 | 2572 | 278 48 6 | 150 38 6 | 37.353 | -4 15 50 | 37.250 | -161616.977 | -45976.921 | 2572 | 1.553 | 0.000 | 27.856 |
| T-8-3 | 2573 | 287 28 37 | 159 18 37 | 25.113 | -5 13 5 | 25.009 | -161607.909 | -45986.351 | 2573 | 1.553 | 0.000 | 28.349 |
| T-8-3 | 2574 | 285 25 48 | 157 15 48 | 29.942 | -4 40 7 | 29.843 | -161612.037 | -45983.653 | 2574 | 1.553 | 0.000 | 28.196 |
| T-8-3 | 2575 | 283 55 18 | 155 45 18 | 34.955 | -4 17 14 | 34.857 | -161616.295 | -45980.873 | 2575 | 1.553 | 0.000 | 28.020 |
| T-8-3 | 2576 | 282 49 11 | 154 39 11 | 39.749 | -3 59 23 | 39.653 | -161620.349 | -45978.212 | 2576 | 1.553 | 0.000 | 27.867 |
| T-8-3 | 2577 | 281 55 18 | 153 45 18 | 44.888 | -3 46 16 | 44.791 | -161624.686 | -45975.380 | 2577 | 1.553 | 0.000 | 27.681 |
| T-8-3 | 2578 | 281 14 42 | 153 4 42 | 49.715 | -3 34 45 | 49.618 | -161628.754 | -45972.721 | 2578 | 1.553 | 0.000 | 27.529 |

多角測量計算簿

路線名 L08120838

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|-------|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-8-3 | t215 | 323 1 23 | 194 51 23 | 11.344 | -8 25 51 | 11.221 | -161595.359 | -45998.064 | t215 | 1.553 | 0.000 | 28.970 |
| T-8-3 | t216 | 323 10 46 | 195 0 46 | 13.093 | -7 22 24 | 12.985 | -161597.055 | -45998.551 | t216 | 1.553 | 0.000 | 28.953 |
| T-8-3 | t217 | 35 21 45 | 267 11 45 | 13.377 | -5 12 19 | 13.322 | -161585.165 | -46008.493 | t217 | 1.553 | 0.000 | 29.419 |
| T-8-3 | t218 | 40 31 31 | 272 21 31 | 11.781 | -5 43 11 | 11.722 | -161584.030 | -46006.899 | t218 | 1.553 | 0.000 | 29.459 |
| T-8-3 | 2579 | 270 54 15 | 142 44 15 | 4.943 | -20 23 3 | 4.633 | -161588.200 | -45992.382 | 2579 | 1.553 | 0.000 | 28.911 |
| T-8-3 | 2580 | 100 16 21 | 332 6 21 | 7.093 | -1 59 53 | 7.089 | -161578.248 | -45998.504 | 2580 | 1.553 | 0.000 | 30.386 |
| T-8-3 | 2581 | 118 8 48 | 349 58 48 | 4.379 | -4 55 10 | 4.363 | -161580.216 | -45995.946 | 2581 | 1.553 | 0.000 | 30.257 |
| T-8-3 | 2582 | 163 41 16 | 35 31 16 | 1.582 | -20 10 39 | 1.485 | -161583.304 | -45994.324 | 2582 | 1.553 | 1.000 | 29.087 |
| T-8-3 | T-8-5 | 274 35 34 | 146 25 34 | 34.096 | -3 42 4 | 34.025 | -161612.862 | -45976.371 | T-8-5 | 1.553 | 0.500 | 27.932 |
| T-8-3 | 2583 | 276 28 38 | 148 18 38 | 33.884 | -2 47 51 | 33.844 | -161613.311 | -45977.408 | 2583 | 1.553 | 1.000 | 27.979 |
| T-8-3 | 2584 | 275 29 42 | 147 19 42 | 33.875 | -2 49 28 | 33.834 | -161612.994 | -45976.923 | 2584 | 1.553 | 1.000 | 27.964 |
| T-8-3 | 2585 | 275 12 8 | 147 2 8 | 33.761 | -2 51 12 | 33.719 | -161612.803 | -45976.840 | 2585 | 1.553 | 1.000 | 27.952 |
| T-8-3 | 2586 | 275 12 24 | 147 2 24 | 28.839 | -3 4 15 | 28.798 | -161608.676 | -45979.519 | 2586 | 1.553 | 1.000 | 28.088 |
| T-8-3 | 2587 | 275 15 18 | 147 5 18 | 24.524 | -3 17 7 | 24.484 | -161605.067 | -45981.884 | 2587 | 1.553 | 1.000 | 28.228 |
| T-8-3 | 2588 | 275 19 10 | 147 9 10 | 22.504 | -3 25 52 | 22.464 | -161603.385 | -45983.003 | 2588 | 1.553 | 1.000 | 28.286 |
| T-8-3 | 2589 | 275 41 41 | 147 31 41 | 22.379 | -3 22 53 | 22.340 | -161603.360 | -45983.193 | 2589 | 1.553 | 1.000 | 28.313 |
| T-8-3 | 2590 | 278 44 4 | 150 34 4 | 22.441 | -3 11 38 | 22.406 | -161604.027 | -45984.177 | 2590 | 1.553 | 1.000 | 28.383 |
| T-8-3 | 2591 | 264 59 3 | 136 49 3 | 13.340 | -4 41 25 | 13.295 | -161594.207 | -45986.089 | 2591 | 1.553 | 1.000 | 28.542 |
| T-8-3 | 2592 | 265 52 3 | 137 42 3 | 14.605 | -4 22 56 | 14.562 | -161595.284 | -45985.387 | 2592 | 1.553 | 1.000 | 28.517 |
| T-8-3 | 2593 | 268 19 17 | 140 9 17 | 20.509 | -3 41 24 | 20.466 | -161600.226 | -45982.074 | 2593 | 1.553 | 1.000 | 28.313 |
| T-8-3 | 2594 | 269 45 8 | 141 35 8 | 25.978 | -3 18 7 | 25.935 | -161604.834 | -45979.072 | 2594 | 1.553 | 1.000 | 28.137 |
| T-8-3 | 2595 | 270 26 15 | 142 16 15 | 29.810 | -3 8 39 | 29.765 | -161608.054 | -45976.973 | 2595 | 1.553 | 1.000 | 27.998 |
| T-8-3 | 2596 | 271 9 24 | 142 59 24 | 35.466 | -2 56 48 | 35.419 | -161612.796 | -45973.866 | 2596 | 1.553 | 1.000 | 27.810 |
| T-8-3 | 2597 | 271 40 52 | 143 30 52 | 40.987 | -2 46 58 | 40.939 | -161617.428 | -45970.844 | 2597 | 1.553 | 1.000 | 27.643 |
| T-8-3 | 2598 | 272 4 16 | 143 54 16 | 46.459 | -2 40 46 | 46.408 | -161622.012 | -45967.846 | 2598 | 1.553 | 1.000 | 27.461 |
| T-8-3 | 2599 | 272 21 48 | 144 11 48 | 51.609 | -2 36 9 | 51.556 | -161626.326 | -45965.026 | 2599 | 1.553 | 1.000 | 27.290 |
| T-8-3 | 2600 | 278 31 49 | 150 21 49 | 26.953 | -3 8 13 | 26.913 | -161607.905 | -45981.879 | 2600 | 1.553 | 1.000 | 28.158 |
| T-8-3 | 2601 | 279 29 26 | 151 19 26 | 21.187 | -3 27 50 | 21.148 | -161603.067 | -45985.039 | 2601 | 1.553 | 1.000 | 28.353 |
| T-8-3 | 2602 | 280 30 47 | 152 20 47 | 17.193 | -3 49 24 | 17.155 | -161599.708 | -45987.225 | 2602 | 1.553 | 1.000 | 28.486 |
| T-8-3 | 2603 | 280 20 49 | 152 10 49 | 16.043 | -4 2 2 | 16.003 | -161598.666 | -45987.719 | 2603 | 1.553 | 1.000 | 28.504 |
| T-8-3 | 2604 | 279 32 17 | 151 22 17 | 15.056 | -4 13 11 | 15.015 | -161597.692 | -45987.993 | 2604 | 1.553 | 1.000 | 28.525 |
| T-8-3 | 2605 | 277 51 46 | 149 41 46 | 14.089 | -4 25 44 | 14.047 | -161596.640 | -45988.099 | 2605 | 1.553 | 1.000 | 28.545 |
| T-8-3 | 2606 | 274 56 21 | 146 46 21 | 13.293 | -4 35 7 | 13.250 | -161595.597 | -45987.926 | 2606 | 1.553 | 1.000 | 28.570 |
| T-8-3 | 2607 | 273 57 29 | 145 47 29 | 13.089 | -4 37 49 | 13.046 | -161595.302 | -45987.852 | 2607 | 1.553 | 1.000 | 28.576 |

多角測量計算簿

路線名 L08120838

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-8-3 | 2608 | 271 4 29 | 142 54 29 | 12.707 | -4 40 41 | 12.665 | -161594.615 | -45987.549 | 2608 | 1.553 | 1.000 | 28.597 |
| T-8-3 | 2609 | 266 23 51 | 138 13 51 | 12.419 | -4 41 32 | 12.377 | -161593.744 | -45986.942 | 2609 | 1.553 | 1.000 | 28.617 |
| T-8-3 | 2610 | 261 34 24 | 133 24 24 | 12.442 | -4 35 15 | 12.402 | -161593.035 | -45986.177 | 2610 | 1.553 | 1.000 | 28.638 |
| T-8-3 | 2611 | 260 32 22 | 132 22 22 | 12.520 | -4 32 43 | 12.481 | -161592.924 | -45985.966 | 2611 | 1.553 | 1.000 | 28.641 |
| T-8-3 | 2612 | 256 20 36 | 128 10 36 | 12.934 | -4 23 6 | 12.896 | -161592.484 | -45985.049 | 2612 | 1.553 | 1.000 | 28.644 |
| T-8-3 | 2613 | 254 27 37 | 126 17 37 | 12.103 | -4 28 25 | 12.066 | -161591.655 | -45985.462 | 2613 | 1.553 | 1.000 | 28.689 |
| T-8-3 | 2614 | 255 11 47 | 127 1 47 | 13.075 | -4 18 53 | 13.038 | -161592.365 | -45984.778 | 2614 | 1.553 | 1.000 | 28.649 |
| T-8-3 | 2615 | 240 0 11 | 111 50 11 | 15.840 | -3 18 17 | 15.814 | -161590.395 | -45980.508 | 2615 | 1.553 | 1.000 | 28.720 |
| T-8-3 | 2616 | 232 38 0 | 104 28 0 | 18.182 | -2 43 54 | 18.161 | -161589.050 | -45977.602 | 2616 | 1.553 | 1.000 | 28.766 |
| T-8-3 | 2617 | 225 30 55 | 97 20 55 | 21.621 | -2 8 34 | 21.606 | -161587.276 | -45973.758 | 2617 | 1.553 | 1.000 | 28.825 |
| T-8-3 | 2618 | 230 0 45 | 101 50 45 | 22.614 | -2 14 24 | 22.597 | -161589.152 | -45973.071 | 2618 | 1.553 | 1.000 | 28.749 |
| T-8-3 | 2619 | 236 53 56 | 108 43 56 | 19.564 | -2 46 32 | 19.541 | -161590.788 | -45976.681 | 2619 | 1.553 | 1.000 | 28.686 |
| T-8-3 | 2620 | 249 51 43 | 121 41 43 | 16.107 | -3 44 11 | 16.073 | -161592.958 | -45981.511 | 2620 | 1.553 | 1.000 | 28.583 |
| T-8-3 | 2621 | 263 13 24 | 135 3 24 | 14.250 | -4 30 42 | 14.206 | -161594.568 | -45985.152 | 2621 | 1.553 | 1.000 | 28.512 |
| T-8-3 | 2622 | 266 1 49 | 137 51 49 | 15.187 | -4 17 49 | 15.144 | -161595.743 | -45985.027 | 2622 | 1.553 | 1.000 | 28.495 |
| T-8-3 | 2623 | 266 12 29 | 138 2 29 | 15.160 | -4 17 12 | 15.118 | -161595.755 | -45985.079 | 2623 | 1.553 | 1.000 | 28.500 |
| T-8-3 | 2624 | 263 42 47 | 135 32 47 | 14.707 | -4 26 17 | 14.663 | -161594.980 | -45984.918 | 2624 | 1.553 | 1.000 | 28.495 |
| T-8-3 | 2625 | 265 37 26 | 137 27 26 | 17.654 | -3 58 9 | 17.612 | -161597.489 | -45983.279 | 2625 | 1.553 | 1.000 | 28.411 |
| T-8-3 | 2626 | 269 17 48 | 141 7 48 | 28.694 | -3 2 52 | 28.653 | -161606.821 | -45977.206 | 2626 | 1.553 | 1.000 | 28.107 |
| T-8-3 | 2627 | 266 19 0 | 138 9 0 | 26.764 | -0 19 12 | 26.764 | -161604.449 | -45977.331 | 2627 | 1.553 | 1.600 | 28.883 |
| T-8-3 | 2628 | 266 8 15 | 137 58 15 | 26.256 | -0 19 52 | 26.256 | -161604.016 | -45977.608 | 2628 | 1.553 | 1.600 | 28.881 |
| T-8-3 | 2629 | 265 50 56 | 137 40 56 | 25.556 | -0 20 52 | 25.556 | -161603.410 | -45977.982 | 2629 | 1.553 | 1.600 | 28.878 |
| T-8-3 | 2630 | 265 40 56 | 137 30 56 | 25.026 | -0 21 3 | 25.026 | -161602.969 | -45978.285 | 2630 | 1.553 | 1.600 | 28.880 |
| T-8-3 | 2631 | 266 16 39 | 138 6 39 | 27.200 | -0 19 56 | 27.200 | -161604.762 | -45977.026 | 2631 | 1.553 | 1.600 | 28.875 |
| T-8-3 | 2632 | 256 44 58 | 128 34 58 | 28.297 | -0 24 24 | 28.296 | -161602.159 | -45973.068 | 2632 | 1.553 | 1.600 | 28.832 |
| T-8-3 | 2633 | 261 29 39 | 133 19 39 | 17.355 | -0 28 28 | 17.354 | -161596.421 | -45982.563 | 2633 | 1.553 | 1.600 | 28.889 |
| T-8-3 | 2634 | 253 31 17 | 125 21 17 | 16.140 | -0 51 36 | 16.138 | -161593.851 | -45982.025 | 2634 | 1.553 | 1.600 | 28.791 |
| T-8-3 | 2635 | 262 41 56 | 134 31 56 | 27.534 | -0 19 23 | 27.534 | -161603.823 | -45975.559 | 2635 | 1.553 | 1.600 | 28.878 |
| T-8-3 | 2636 | 260 11 17 | 132 1 17 | 27.786 | -0 23 36 | 27.785 | -161603.112 | -45974.546 | 2636 | 1.553 | 1.600 | 28.842 |
| T-8-3 | 2637 | 262 4 19 | 133 54 19 | 29.333 | -0 15 4 | 29.333 | -161604.854 | -45974.053 | 2637 | 1.553 | 1.600 | 28.904 |
| T-8-3 | 2638 | 262 20 57 | 134 10 57 | 30.260 | -0 13 8 | 30.260 | -161605.602 | -45973.487 | 2638 | 1.553 | 1.600 | 28.917 |
| T-8-3 | t219 | 100 15 49 | 332 5 49 | 9.566 | -0 2 12 | 9.566 | -161576.059 | -45999.664 | t219 | 1.553 | 1.000 | 29.627 |
| T-8-3 | t220 | 85 17 38 | 317 7 38 | 11.303 | -3 20 21 | 11.284 | -161576.243 | -46002.864 | t220 | 1.553 | 1.000 | 28.975 |
| T-8-3 | t221 | 116 12 27 | 348 2 27 | 2.530 | -10 47 23 | 2.485 | -161582.082 | -45995.702 | t221 | 1.553 | 1.000 | 29.159 |

多角測量計算簿

路線名 L08120838

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-8-3 | t222 | 212 44 25 | 84 34 25 | 5.937 | -11 46 58 | 5.812 | -161583.963 | -45989.401 | t222 | 1.553 | 1.000 | 28.421 |
| T-8-3 | t223 | 207 7 8 | 78 57 8 | 8.205 | -8 46 54 | 8.109 | -161582.959 | -45987.228 | t223 | 1.553 | 1.000 | 28.380 |
| T-8-3 | t224 | 201 35 23 | 73 25 23 | 13.069 | -5 18 54 | 13.013 | -161580.800 | -45982.715 | t224 | 1.553 | 1.000 | 28.422 |
| T-8-3 | t225 | 192 17 57 | 64 7 57 | 12.660 | -2 19 35 | 12.650 | -161578.994 | -45983.804 | t225 | 1.553 | 1.000 | 29.119 |
| T-8-3 | t226 | 254 42 10 | 126 32 10 | 7.439 | -6 21 48 | 7.393 | -161588.914 | -45989.247 | t226 | 1.553 | 1.000 | 28.808 |
| T-8-3 | t227 | 252 13 56 | 124 3 56 | 13.272 | -6 12 13 | 13.194 | -161591.903 | -45984.257 | t227 | 1.553 | 1.000 | 28.199 |
| T-8-3 | t228 | 231 39 59 | 103 29 59 | 18.299 | -4 9 31 | 18.251 | -161588.773 | -45977.440 | t228 | 1.553 | 1.000 | 28.306 |
| T-8-3 | t229 | 234 32 59 | 106 22 59 | 19.369 | -2 38 0 | 19.349 | -161589.970 | -45976.624 | t229 | 1.553 | 1.000 | 28.743 |
| T-8-3 | t230 | 237 3 35 | 108 53 35 | 19.924 | -3 43 13 | 19.882 | -161590.951 | -45976.376 | t230 | 1.553 | 1.000 | 28.340 |
| T-8-3 | t231 | 261 30 4 | 133 20 4 | 14.663 | -5 43 55 | 14.590 | -161594.525 | -45984.575 | t231 | 1.553 | 1.000 | 28.168 |
| T-8-3 | t232 | 263 52 12 | 135 42 12 | 13.656 | -6 16 20 | 13.574 | -161594.228 | -45985.707 | t232 | 1.553 | 1.000 | 28.141 |
| T-8-3 | t233 | 264 33 5 | 136 23 5 | 14.471 | -6 0 22 | 14.392 | -161594.932 | -45985.259 | t233 | 1.553 | 1.000 | 28.119 |
| T-8-3 | t234 | 268 29 48 | 140 19 48 | 13.764 | -4 29 43 | 13.722 | -161595.075 | -45986.427 | t234 | 1.553 | 1.000 | 28.554 |
| T-8-3 | t235 | 281 0 59 | 152 50 59 | 17.753 | -5 15 30 | 17.678 | -161600.243 | -45987.120 | t235 | 1.553 | 1.000 | 28.006 |
| T-8-3 | t236 | 272 45 3 | 144 35 3 | 35.536 | -2 53 13 | 35.491 | -161613.437 | -45974.620 | t236 | 1.553 | 1.000 | 27.843 |
| T-8-3 | t237 | 270 50 55 | 142 40 55 | 35.504 | -3 43 43 | 35.429 | -161612.689 | -45973.709 | t237 | 1.553 | 1.000 | 27.324 |
| T-8-3 | t238 | 273 16 19 | 145 6 19 | 18.647 | -3 44 1 | 18.607 | -161599.774 | -45984.542 | t238 | 1.553 | 1.000 | 28.419 |
| T-8-3 | t239 | 211 33 32 | 83 23 32 | 18.581 | -5 18 46 | 18.501 | -161582.384 | -45976.809 | t239 | 1.553 | 0.000 | 28.912 |
| T-8-3 | 2639 | 205 7 27 | 76 57 27 | 6.114 | -0 32 32 | 6.114 | -161583.133 | -45989.231 | 2639 | 1.553 | 0.000 | 30.575 |
| T-7-4 | T-7 | | 162 56 23 | | | | -161636.819 | -45961.665 | T-7-4 | | | 27.013 |
| T-7-4 | 2640 | 161 32 4 | 324 28 27 | 27.916 | 0 48 18 | 27.913 | -161614.101 | -45977.884 | 2640 | 1.495 | 0.000 | 28.901 |
| T-7-4 | 2641 | 160 45 10 | 323 41 33 | 20.717 | 0 26 5 | 20.716 | -161620.125 | -45973.931 | 2641 | 1.495 | 0.000 | 28.666 |
| T-7-4 | 2642 | 159 36 15 | 322 32 38 | 15.049 | -0 7 29 | 15.049 | -161624.872 | -45970.817 | 2642 | 1.495 | 0.000 | 28.476 |
| T-7-4 | 2643 | 154 2 41 | 316 59 4 | 6.610 | -2 44 18 | 6.602 | -161631.991 | -45966.169 | 2643 | 1.495 | 0.000 | 28.193 |
| T-7-4 | 2644 | 73 45 9 | 236 41 32 | 1.226 | -25 25 51 | 1.107 | -161637.426 | -45962.590 | 2644 | 1.495 | 0.000 | 27.982 |
| T-7-4 | 2645 | 353 59 49 | 156 56 12 | 6.290 | -6 38 36 | 6.248 | -161642.567 | -45959.217 | 2645 | 1.495 | 0.000 | 27.781 |
| T-7-4 | 2646 | 350 5 18 | 153 1 41 | 10.268 | -4 41 53 | 10.234 | -161645.939 | -45957.023 | 2646 | 1.495 | 0.000 | 27.667 |
| T-7-4 | 2647 | 349 39 43 | 152 36 6 | 11.036 | -4 29 4 | 11.002 | -161646.586 | -45956.602 | 2647 | 1.495 | 0.000 | 27.646 |
| T-7-4 | 2648 | 353 22 4 | 156 18 27 | 11.134 | -4 18 49 | 11.102 | -161646.985 | -45957.204 | 2648 | 1.495 | 0.000 | 27.671 |
| T-7-4 | 2649 | 349 23 39 | 152 20 2 | 11.461 | -4 27 31 | 11.426 | -161646.938 | -45956.360 | 2649 | 1.495 | 0.000 | 27.617 |
| T-7-4 | 2650 | 347 27 15 | 150 23 38 | 17.442 | -3 36 16 | 17.407 | -161651.953 | -45953.065 | 2650 | 1.495 | 0.000 | 27.412 |
| T-7-4 | 2651 | 346 42 33 | 149 38 56 | 21.959 | -3 16 29 | 21.923 | -161655.737 | -45950.587 | 2651 | 1.495 | 0.000 | 27.254 |
| T-7-4 | 2652 | 346 35 26 | 149 31 49 | 22.640 | -3 12 53 | 22.604 | -161656.301 | -45950.203 | 2652 | 1.495 | 0.000 | 27.239 |

多角測量計算簿

路線名 L08120838

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-7-4 | 2653 | 346 11 12 | 149 7 35 | 26.592 | -3 1 19 | 26.555 | -161659.611 | -45948.038 | 2653 | 1.495 | 0.000 | 27.107 |
| T-7-4 | 2654 | 345 48 28 | 148 44 51 | 32.342 | -2 48 56 | 32.303 | -161664.434 | -45944.906 | 2654 | 1.495 | 0.000 | 26.920 |
| T-7-4 | 2655 | 338 39 8 | 141 35 31 | 31.728 | -2 54 20 | 31.687 | -161661.649 | -45941.979 | 2655 | 1.495 | 1.000 | 25.900 |
| T-7-4 | 2656 | 337 38 49 | 140 35 12 | 26.667 | -3 7 11 | 26.627 | -161657.390 | -45944.759 | 2656 | 1.495 | 1.000 | 26.057 |
| T-7-4 | 2657 | 335 42 55 | 138 39 18 | 20.469 | -3 28 21 | 20.431 | -161652.157 | -45948.168 | 2657 | 1.495 | 1.000 | 26.269 |
| T-7-4 | 2658 | 329 28 48 | 132 25 11 | 11.720 | -4 38 21 | 11.682 | -161644.699 | -45953.041 | 2658 | 1.495 | 1.000 | 26.560 |
| T-7-4 | 2659 | 320 36 55 | 123 33 18 | 7.399 | -6 15 53 | 7.355 | -161640.884 | -45955.536 | 2659 | 1.495 | 1.000 | 26.701 |
| T-7-4 | 2660 | 215 34 58 | 18 31 21 | 3.720 | -7 52 23 | 3.685 | -161633.324 | -45960.494 | 2660 | 1.495 | 1.000 | 26.999 |
| T-7-4 | 2661 | 161 22 8 | 324 18 31 | 20.308 | 0 35 50 | 20.307 | -161620.326 | -45973.512 | 2661 | 1.495 | 1.000 | 27.720 |
| T-7-4 | 2662 | 164 28 1 | 327 24 24 | 20.349 | 0 25 39 | 20.348 | -161619.675 | -45972.626 | 2662 | 1.495 | 1.000 | 27.660 |
| T-7-4 | 2663 | 165 5 8 | 328 1 31 | 20.189 | 0 24 27 | 20.188 | -161619.693 | -45972.355 | 2663 | 1.495 | 1.000 | 27.652 |
| T-7-4 | 2664 | 165 5 8 | 328 1 31 | 20.190 | 0 24 26 | 20.189 | -161619.693 | -45972.356 | 2664 | 1.495 | 1.000 | 27.652 |
| T-7-4 | 2665 | 165 24 19 | 328 20 42 | 15.577 | 0 2 59 | 15.577 | -161623.559 | -45969.840 | 2665 | 1.495 | 1.000 | 27.522 |
| T-7-4 | 2666 | 164 56 6 | 327 52 29 | 15.436 | 0 4 49 | 15.436 | -161623.746 | -45969.873 | 2666 | 1.495 | 1.000 | 27.530 |
| T-7-4 | 2667 | 160 30 7 | 323 26 30 | 15.479 | 0 11 27 | 15.479 | -161624.385 | -45970.885 | 2667 | 1.495 | 1.000 | 27.560 |
| T-7-4 | 2668 | 158 16 26 | 321 12 49 | 5.990 | -2 25 50 | 5.985 | -161632.153 | -45965.414 | 2668 | 1.495 | 1.000 | 27.254 |
| T-7-4 | 2669 | 166 44 32 | 329 40 55 | 5.998 | -2 50 40 | 5.991 | -161631.647 | -45964.689 | 2669 | 1.495 | 1.000 | 27.211 |
| T-7-4 | 2670 | 167 57 13 | 330 53 36 | 5.881 | -3 2 0 | 5.873 | -161631.687 | -45964.522 | 2670 | 1.495 | 1.000 | 27.197 |
| T-7-4 | 2671 | 348 2 18 | 150 58 41 | 11.944 | -3 58 52 | 11.915 | -161647.237 | -45955.884 | 2671 | 1.495 | 1.000 | 26.679 |
| T-7-4 | 2672 | 342 41 21 | 145 37 44 | 11.889 | -4 14 22 | 11.856 | -161646.604 | -45954.972 | 2672 | 1.495 | 1.000 | 26.630 |
| T-7-4 | 2673 | 341 51 33 | 144 47 56 | 12.082 | -4 14 26 | 12.049 | -161646.664 | -45954.719 | 2673 | 1.495 | 1.000 | 26.615 |
| T-7-4 | 2674 | 342 37 53 | 145 34 16 | 18.900 | -3 26 13 | 18.866 | -161652.380 | -45950.998 | 2674 | 1.495 | 1.000 | 26.375 |
| T-7-4 | 2675 | 342 55 31 | 145 51 54 | 25.860 | -2 59 38 | 25.825 | -161658.194 | -45947.173 | 2675 | 1.495 | 1.000 | 26.158 |
| T-7-4 | 2676 | 343 16 48 | 146 13 11 | 26.022 | -2 58 41 | 25.987 | -161658.418 | -45947.216 | 2676 | 1.495 | 1.000 | 26.156 |
| T-7-4 | 2677 | 345 46 25 | 148 42 48 | 26.003 | -2 55 11 | 25.969 | -161659.011 | -45948.179 | 2677 | 1.495 | 1.000 | 26.184 |
| T-7-4 | 2678 | 345 30 38 | 148 27 1 | 31.181 | -2 43 9 | 31.146 | -161663.361 | -45945.368 | 2678 | 1.495 | 1.000 | 26.029 |
| T-7-4 | 2679 | 343 23 36 | 146 19 59 | 31.165 | -2 46 30 | 31.128 | -161662.726 | -45944.409 | 2679 | 1.495 | 1.000 | 26.000 |
| T-7-4 | 2680 | 343 5 7 | 146 1 30 | 31.293 | -2 46 1 | 31.257 | -161662.739 | -45944.198 | 2680 | 1.495 | 1.000 | 25.998 |
| T-7-4 | 2681 | 343 14 1 | 146 10 24 | 36.436 | -2 41 40 | 36.396 | -161667.054 | -45941.404 | 2681 | 1.495 | 1.000 | 25.796 |
| T-7-4 | 2682 | 343 14 1 | 146 10 24 | 36.434 | -2 41 39 | 36.394 | -161667.052 | -45941.405 | 2682 | 1.495 | 1.000 | 25.796 |
| T-7-4 | 2683 | 343 14 1 | 146 10 24 | 36.435 | -2 41 39 | 36.395 | -161667.053 | -45941.404 | 2683 | 1.495 | 1.000 | 25.796 |
| T-7-4 | 2684 | 343 19 25 | 146 15 48 | 42.564 | -2 33 45 | 42.521 | -161672.179 | -45938.050 | 2684 | 1.495 | 1.000 | 25.605 |
| T-7-4 | 2685 | 343 23 15 | 146 19 38 | 47.579 | -2 28 28 | 47.535 | -161676.378 | -45935.309 | 2685 | 1.495 | 1.000 | 25.454 |
| T-7-4 | 2686 | 343 33 8 | 146 29 31 | 47.740 | -2 28 19 | 47.696 | -161676.588 | -45935.334 | 2686 | 1.495 | 1.000 | 25.449 |

多角測量計算簿

路線名 L08120838

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-7-4 | 2687 | 344 31 21 | 147 27 44 | 47.737 | -2 26 23 | 47.694 | -161677.026 | -45936.012 | 2687 | 1.495 | 1.000 | 25.476 |
| T-7-4 | 2688 | 336 38 23 | 139 34 46 | 26.798 | -3 6 20 | 26.759 | -161657.190 | -45944.315 | 2688 | 1.495 | 1.000 | 26.057 |
| T-7-4 | 2689 | 327 14 0 | 130 10 23 | 11.882 | -4 55 55 | 11.838 | -161644.455 | -45952.620 | 2689 | 1.495 | 1.000 | 26.487 |
| T-7-4 | 2690 | 317 47 41 | 120 44 4 | 12.672 | -5 17 31 | 12.618 | -161643.267 | -45950.819 | 2690 | 1.495 | 1.000 | 26.340 |
| T-7-4 | 2691 | 317 11 7 | 120 7 30 | 7.626 | -6 30 4 | 7.577 | -161640.621 | -45955.111 | 2691 | 1.495 | 1.000 | 26.645 |
| T-7-4 | 2692 | 284 42 49 | 87 39 12 | 13.234 | -2 12 31 | 13.224 | -161636.277 | -45948.452 | 2692 | 1.495 | 1.000 | 26.998 |
| T-7-4 | 2693 | 296 28 6 | 99 24 29 | 10.476 | 0 58 58 | 10.474 | -161638.531 | -45951.332 | 2693 | 1.495 | 1.000 | 27.688 |
| T-7-4 | 2694 | 307 42 54 | 110 39 17 | 12.995 | 0 52 29 | 12.993 | -161641.402 | -45949.507 | 2694 | 1.495 | 1.000 | 27.707 |
| T-7-4 | 2695 | 287 24 33 | 90 20 56 | 23.181 | 8 25 28 | 22.931 | -161636.958 | -45938.734 | 2695 | 1.495 | 1.000 | 30.905 |
| T-7-4 | 2696 | 276 59 49 | 79 56 12 | 10.126 | -1 33 28 | 10.122 | -161635.050 | -45951.699 | 2696 | 1.495 | 1.000 | 27.233 |
| T-7-4 | 2697 | 302 57 23 | 105 53 46 | 5.347 | -7 32 51 | 5.301 | -161638.270 | -45956.567 | 2697 | 1.495 | 1.000 | 26.806 |
| T-7-4 | 2698 | 262 50 53 | 65 47 16 | 9.615 | -7 33 0 | 9.532 | -161632.909 | -45952.971 | 2698 | 1.495 | 1.000 | 26.245 |
| T-7-4 | 2699 | 277 28 43 | 80 25 6 | 4.113 | -23 18 46 | 3.777 | -161636.190 | -45957.941 | 2699 | 1.495 | 1.000 | 25.881 |
| T-7-4 | 2700 | 289 3 23 | 91 59 46 | 10.517 | -1 48 5 | 10.512 | -161637.185 | -45951.159 | 2700 | 1.495 | 1.000 | 27.178 |
| T-7-4 | 2701 | 286 35 23 | 89 31 46 | 10.225 | -1 49 8 | 10.220 | -161636.735 | -45951.445 | 2701 | 1.495 | 1.000 | 27.184 |
| T-7-4 | 2702 | 283 7 39 | 86 4 2 | 9.842 | -1 53 16 | 9.837 | -161636.144 | -45951.851 | 2702 | 1.495 | 1.000 | 27.184 |
| T-7-4 | 2703 | 280 19 19 | 83 15 42 | 9.603 | -1 56 36 | 9.597 | -161635.692 | -45952.134 | 2703 | 1.495 | 1.000 | 27.183 |
| T-7-4 | 2704 | 221 13 18 | 24 9 41 | 10.213 | -1 29 29 | 10.210 | -161627.503 | -45957.486 | 2704 | 1.495 | 1.000 | 27.243 |
| T-7-4 | 2705 | 190 55 11 | 353 51 34 | 7.490 | -2 52 17 | 7.481 | -161629.380 | -45962.465 | 2705 | 1.495 | 1.000 | 27.133 |
| T-7-4 | 2706 | 208 22 46 | 11 19 9 | 9.341 | -0 47 9 | 9.340 | -161627.660 | -45959.832 | 2706 | 1.495 | 1.000 | 27.380 |
| T-7-4 | 2707 | 207 6 15 | 10 2 38 | 9.557 | -0 46 25 | 9.556 | -161627.409 | -45959.998 | 2707 | 1.495 | 1.000 | 27.379 |
| T-7-4 | 2708 | 218 23 37 | 21 20 0 | 11.980 | 0 33 27 | 11.979 | -161625.660 | -45957.307 | 2708 | 1.495 | 1.000 | 27.625 |
| T-7-4 | 2709 | 199 4 58 | 2 1 21 | 12.791 | 1 3 19 | 12.789 | -161624.038 | -45961.214 | 2709 | 1.495 | 1.000 | 27.744 |
| T-7-4 | 2710 | 200 14 17 | 3 10 40 | 12.420 | 1 8 7 | 12.418 | -161624.420 | -45960.977 | 2710 | 1.495 | 1.000 | 27.754 |
| T-7-4 | 2711 | 182 41 2 | 345 37 25 | 10.586 | 1 20 22 | 10.583 | -161626.567 | -45964.293 | 2711 | 1.495 | 1.000 | 27.756 |
| T-7-4 | 2712 | 181 44 47 | 344 41 10 | 11.039 | 1 16 28 | 11.036 | -161626.174 | -45964.580 | 2712 | 1.495 | 1.000 | 27.754 |
| T-7-4 | 2713 | 206 3 26 | 8 59 49 | 14.179 | 2 38 17 | 14.164 | -161622.829 | -45959.450 | 2713 | 1.495 | 1.000 | 28.161 |
| T-7-4 | 2714 | 208 35 38 | 11 32 1 | 13.977 | 4 12 1 | 13.939 | -161623.161 | -45958.878 | 2714 | 1.495 | 1.000 | 28.532 |
| T-7-4 | 2715 | 284 22 2 | 87 18 25 | 11.451 | 8 1 43 | 11.339 | -161636.286 | -45950.338 | 2715 | 1.495 | 1.000 | 29.108 |
| T-7-4 | 2716 | 301 15 34 | 104 11 57 | 6.404 | -6 4 21 | 6.368 | -161638.381 | -45955.491 | 2716 | 1.495 | 1.000 | 26.831 |
| T-7-4 | 2717 | 304 3 58 | 107 0 21 | 6.148 | -6 34 38 | 6.108 | -161638.605 | -45955.824 | 2717 | 1.495 | 1.000 | 26.804 |
| T-7-4 | 2718 | 173 15 4 | 336 11 27 | 10.823 | -0 57 15 | 10.821 | -161626.918 | -45966.033 | 2718 | 1.495 | 1.000 | 27.328 |
| T-7-4 | 2719 | 338 42 50 | 141 39 13 | 14.842 | -3 58 18 | 14.806 | -161648.430 | -45952.479 | 2719 | 1.495 | 1.000 | 26.480 |
| T-7-4 | 2720 | 337 17 47 | 140 14 10 | 21.336 | -3 20 6 | 21.300 | -161653.192 | -45948.041 | 2720 | 1.495 | 1.000 | 26.267 |

多角測量計算簿

路線名 L08120838

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-7-4 | 2721 | 337 9 23 | 140 5 46 | 20.902 | -3 21 43 | 20.866 | -161652.825 | -45948.279 | 2721 | 1.495 | 1.000 | 26.283 |
| T-7-4 | 2722 | 340 45 13 | 143 41 36 | 31.365 | -2 49 21 | 31.327 | -161662.064 | -45943.116 | 2722 | 1.495 | 1.000 | 25.964 |
| T-7-4 | t240 | 171 58 8 | 334 54 31 | 24.821 | 0 32 25 | 24.820 | -161614.341 | -45972.190 | t240 | 1.495 | 1.000 | 27.742 |
| T-7-4 | t241 | 179 4 11 | 342 0 34 | 24.834 | 0 49 42 | 24.831 | -161613.202 | -45969.334 | t241 | 1.495 | 1.000 | 27.867 |
| T-7-4 | t242 | 160 45 12 | 323 41 35 | 24.570 | -0 25 30 | 24.569 | -161617.019 | -45976.213 | t242 | 1.495 | 1.000 | 27.326 |
| T-7-4 | t243 | 185 49 24 | 348 45 47 | 4.582 | -5 1 12 | 4.564 | -161632.342 | -45962.554 | t243 | 1.495 | 1.000 | 27.107 |
| T-7-4 | t244 | 200 7 57 | 3 4 20 | 5.387 | -10 1 23 | 5.305 | -161631.521 | -45961.381 | t244 | 1.495 | 1.000 | 26.571 |
| T-7-4 | t245 | 202 8 5 | 5 4 28 | 5.488 | -4 36 58 | 5.470 | -161631.370 | -45961.181 | t245 | 1.495 | 1.000 | 27.067 |
| T-7-4 | t246 | 223 59 48 | 26 56 11 | 7.987 | -2 26 17 | 7.980 | -161629.704 | -45958.050 | t246 | 1.495 | 1.000 | 27.169 |
| T-7-4 | t247 | 130 26 53 | 293 23 16 | 2.580 | -20 58 42 | 2.409 | -161635.862 | -45963.876 | t247 | 1.495 | 1.000 | 26.585 |
| T-7-4 | t248 | 352 2 28 | 154 58 51 | 9.329 | -7 49 42 | 9.242 | -161645.193 | -45957.756 | t248 | 1.495 | 1.000 | 26.238 |
| T-7-4 | t249 | 335 8 22 | 138 4 45 | 9.513 | -5 5 19 | 9.476 | -161643.869 | -45955.334 | t249 | 1.495 | 1.000 | 26.665 |
| T-7-4 | t250 | 324 55 39 | 127 52 2 | 9.844 | -8 1 44 | 9.748 | -161642.802 | -45953.970 | t250 | 1.495 | 1.000 | 26.133 |
| T-7-4 | t251 | 323 34 19 | 126 30 42 | 9.884 | -5 8 47 | 9.844 | -161642.676 | -45953.753 | t251 | 1.495 | 1.000 | 26.622 |
| T-7-4 | t252 | 303 2 42 | 105 59 5 | 11.617 | -0 48 53 | 11.616 | -161640.017 | -45950.498 | t252 | 1.495 | 1.000 | 27.343 |
| T-7-4 | t253 | 347 16 39 | 150 13 2 | 22.303 | -4 10 39 | 22.244 | -161656.124 | -45950.616 | t253 | 1.495 | 1.000 | 25.884 |
| T-7-4 | 2723 | 247 36 49 | 50 33 12 | 9.468 | -7 40 39 | 9.383 | -161630.857 | -45954.419 | 2723 | 1.495 | 1.000 | 26.244 |
| T-7-4 | 2724 | 237 48 19 | 40 44 42 | 3.930 | -23 11 55 | 3.612 | -161634.082 | -45959.307 | 2724 | 1.495 | 1.000 | 25.960 |
| T-7-4 | 2725 | 209 37 52 | 12 34 15 | 5.069 | -16 49 37 | 4.852 | -161632.083 | -45960.609 | 2725 | 1.495 | 1.000 | 26.041 |
| T-7-4 | 2726 | 233 56 57 | 36 53 20 | 10.096 | -7 8 33 | 10.018 | -161628.806 | -45955.651 | 2726 | 1.495 | 1.000 | 26.253 |
| T-7-4 | 2727 | 348 17 22 | 151 13 45 | 23.077 | -5 34 21 | 22.968 | -161656.951 | -45950.610 | 2727 | 1.495 | 1.000 | 25.268 |
| T-7-4 | 2728 | 349 46 56 | 152 43 19 | 18.055 | -6 35 29 | 17.936 | -161652.760 | -45953.445 | 2728 | 1.495 | 1.000 | 25.436 |
| T-7-4 | 2729 | 351 43 28 | 154 39 51 | 14.123 | -7 54 15 | 13.989 | -161649.462 | -45955.679 | 2729 | 1.495 | 1.000 | 25.566 |
| T-7-4 | 2730 | 353 54 50 | 156 51 13 | 11.281 | -9 19 24 | 11.132 | -161647.054 | -45957.289 | 2730 | 1.495 | 1.000 | 25.681 |
| T-7-4 | 2731 | 354 42 38 | 157 39 1 | 10.454 | -9 56 23 | 10.297 | -161646.342 | -45957.749 | 2731 | 1.495 | 1.000 | 25.704 |
| T-7-4 | 2732 | 0 53 8 | 163 49 31 | 6.849 | -14 20 4 | 6.636 | -161643.192 | -45959.816 | 2732 | 1.495 | 1.000 | 25.813 |
| T-7-4 | 2733 | 21 18 40 | 184 15 3 | 3.550 | -26 20 4 | 3.182 | -161639.992 | -45961.901 | 2733 | 1.495 | 1.000 | 25.934 |
| T-7-4 | 2734 | 116 36 35 | 279 32 58 | 2.836 | -30 44 49 | 2.437 | -161636.414 | -45964.068 | 2734 | 1.495 | 1.000 | 26.059 |
| T-7-4 | 2735 | 149 42 55 | 312 39 18 | 7.407 | -9 51 38 | 7.298 | -161631.874 | -45967.032 | 2735 | 1.495 | 1.000 | 26.240 |
| T-7-4 | 2736 | 155 33 36 | 318 29 59 | 12.439 | -5 2 54 | 12.391 | -161627.538 | -45969.876 | 2736 | 1.495 | 1.000 | 26.414 |
| T-7-4 | 2737 | 157 39 12 | 320 35 35 | 16.499 | -3 19 36 | 16.471 | -161624.092 | -45972.121 | 2737 | 1.495 | 1.000 | 26.551 |
| T-7-4 | 2738 | 159 23 48 | 322 20 11 | 22.876 | -1 51 39 | 22.864 | -161618.719 | -45975.635 | 2738 | 1.495 | 1.000 | 26.766 |
| T-7-4 | 2739 | 131 40 25 | 294 36 48 | 9.215 | -7 13 5 | 9.142 | -161633.011 | -45969.976 | 2739 | 1.495 | 1.000 | 26.351 |
| T-7-4 | 2740 | 103 7 15 | 266 3 38 | 5.716 | -13 27 44 | 5.559 | -161637.200 | -45967.211 | 2740 | 1.495 | 1.000 | 26.178 |

多 角 測 量 計 算 簿

路線名 L08120838

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-7-4 | 2741 | 48 46 16 | 211 42 39 | 5.559 | -15 35 39 | 5.354 | -161641.373 | -45964.479 | 2741 | 1.495 | 1.000 | 26.014 |
| T-7-4 | 2742 | 17 44 0 | 180 40 23 | 8.884 | -10 45 12 | 8.728 | -161645.546 | -45961.767 | 2742 | 1.495 | 1.000 | 25.851 |
| T-7-4 | 2743 | 5 31 9 | 168 27 32 | 13.285 | -7 54 3 | 13.159 | -161649.711 | -45959.032 | 2743 | 1.495 | 1.000 | 25.682 |
| T-7-4 | 2744 | 359 42 24 | 162 38 47 | 18.003 | -6 20 50 | 17.893 | -161653.897 | -45956.328 | 2744 | 1.495 | 1.000 | 25.518 |
| T-7-4 | 2745 | 5 4 22 | 168 0 45 | 22.684 | -5 10 48 | 22.591 | -161658.917 | -45956.973 | 2745 | 1.495 | 1.000 | 25.460 |
| T-7-4 | 2746 | 10 54 46 | 173 51 9 | 17.787 | -6 2 4 | 17.688 | -161654.405 | -45959.771 | 2746 | 1.495 | 1.000 | 25.639 |
| T-7-4 | 2747 | 16 36 2 | 179 32 25 | 14.764 | -6 46 35 | 14.661 | -161651.479 | -45961.547 | 2747 | 1.495 | 1.000 | 25.766 |
| T-7-4 | 2748 | 28 1 58 | 190 58 21 | 11.502 | -8 7 10 | 11.387 | -161647.997 | -45963.832 | 2748 | 1.495 | 1.000 | 25.884 |
| T-7-4 | 2749 | 58 3 30 | 220 59 53 | 8.351 | -9 54 29 | 8.226 | -161643.027 | -45967.061 | 2749 | 1.495 | 1.000 | 26.071 |
| T-7-4 | 2750 | 100 28 55 | 263 25 18 | 8.945 | -7 57 22 | 8.859 | -161637.833 | -45970.466 | 2750 | 1.495 | 1.000 | 26.270 |
| T-7-4 | 2751 | 122 11 14 | 285 7 37 | 11.966 | -5 10 28 | 11.917 | -161633.709 | -45973.169 | 2751 | 1.495 | 1.000 | 26.429 |
| T-7-4 | 2752 | 199 31 26 | 2 27 49 | 13.147 | 6 14 44 | 13.069 | -161623.762 | -45961.103 | 2752 | 1.495 | 1.000 | 28.939 |
| T-7-4 | 2753 | 194 18 1 | 357 14 24 | 12.386 | 6 28 28 | 12.307 | -161624.526 | -45962.258 | 2753 | 1.495 | 1.000 | 28.905 |
| T-7-4 | 2754 | 192 24 15 | 355 20 38 | 13.113 | 6 21 16 | 13.032 | -161623.830 | -45962.723 | 2754 | 1.495 | 1.000 | 28.960 |
| T-7-4 | 2755 | 16 42 29 | 179 38 52 | 14.726 | -6 46 57 | 14.623 | -161651.441 | -45961.575 | 2755 | 1.495 | 1.000 | 25.769 |
| T-7-4 | 2756 | 32 37 53 | 195 34 16 | 14.482 | -6 38 1 | 14.385 | -161650.676 | -45965.526 | 2756 | 1.495 | 1.000 | 25.835 |

多角測量計算簿

路線名 L08121324

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|-------|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-8-5 | T-8-3 | | 326 25 34 | | | | -161612.862 | -45976.371 | T-8-5 | | | 27.932 |
| T-8-5 | 2757 | 79 21 26 | 45 47 0 | 9.634 | -8 37 46 | 9.525 | -161606.219 | -45969.544 | 2757 | 1.527 | 1.000 | 27.013 |
| T-8-5 | 2758 | 74 5 29 | 40 31 3 | 6.637 | -12 45 41 | 6.473 | -161607.941 | -45972.165 | 2758 | 1.527 | 1.000 | 26.993 |
| T-8-5 | 2759 | 74 51 51 | 41 17 25 | 6.338 | -13 26 19 | 6.164 | -161608.230 | -45972.303 | 2759 | 1.527 | 1.000 | 26.986 |
| T-8-5 | 2760 | 76 48 28 | 43 14 2 | 6.497 | -13 7 42 | 6.327 | -161608.252 | -45972.037 | 2760 | 1.527 | 1.000 | 26.983 |
| T-8-5 | 2761 | 81 16 7 | 47 41 41 | 9.572 | -8 38 56 | 9.463 | -161606.492 | -45969.372 | 2761 | 1.527 | 1.000 | 27.020 |
| T-8-5 | 2762 | 0 0 0 | 326 25 34 | 0.000 | 90 0 0 | 0.000 | -161612.862 | -45976.371 | 2762 | 1.527 | 1.000 | 28.459 |
| T-8-5 | 2763 | 81 44 15 | 48 9 49 | 9.054 | -2 51 34 | 9.043 | -161606.830 | -45969.633 | 2763 | 1.527 | 1.000 | 28.007 |
| T-8-5 | 2764 | 85 24 49 | 51 50 23 | 8.993 | -2 50 44 | 8.982 | -161607.312 | -45969.308 | 2764 | 1.527 | 1.000 | 28.013 |
| T-8-5 | 2765 | 90 14 2 | 56 39 36 | 8.958 | -2 53 49 | 8.947 | -161607.944 | -45968.896 | 2765 | 1.527 | 1.000 | 28.006 |
| T-8-5 | 2766 | 93 57 24 | 60 22 58 | 8.972 | -2 56 9 | 8.960 | -161608.434 | -45968.581 | 2766 | 1.527 | 1.000 | 27.999 |
| T-8-5 | 2767 | 97 45 4 | 64 10 38 | 9.028 | -2 50 49 | 9.017 | -161608.934 | -45968.254 | 2767 | 1.527 | 1.000 | 28.011 |
| T-8-5 | 2768 | 109 13 37 | 75 39 11 | 9.530 | -2 44 28 | 9.519 | -161610.503 | -45967.149 | 2768 | 1.527 | 1.000 | 28.003 |
| T-8-5 | 2769 | 114 33 57 | 80 59 31 | 9.794 | -2 46 38 | 9.782 | -161611.330 | -45966.709 | 2769 | 1.527 | 1.000 | 27.984 |
| T-8-5 | 2770 | 141 0 51 | 107 26 25 | 14.123 | -2 12 55 | 14.112 | -161617.091 | -45962.907 | 2770 | 1.527 | 1.000 | 27.913 |
| T-8-5 | 2771 | 151 13 1 | 117 38 35 | 13.194 | -3 10 27 | 13.174 | -161618.974 | -45964.700 | 2771 | 1.527 | 1.000 | 27.728 |
| T-8-5 | 2772 | 154 45 4 | 121 10 38 | 14.875 | -3 2 14 | 14.854 | -161620.551 | -45963.662 | 2772 | 1.527 | 1.000 | 27.671 |
| T-8-5 | 2773 | 155 44 45 | 122 10 19 | 15.424 | -3 0 54 | 15.403 | -161621.063 | -45963.333 | 2773 | 1.527 | 1.000 | 27.648 |
| T-8-5 | 2774 | 158 23 58 | 124 49 32 | 17.176 | -2 55 26 | 17.154 | -161622.658 | -45962.289 | 2774 | 1.527 | 1.000 | 27.583 |
| T-8-5 | 2775 | 171 19 36 | 137 45 10 | 16.573 | -3 54 18 | 16.535 | -161625.102 | -45965.254 | 2775 | 1.527 | 1.000 | 27.330 |
| T-8-5 | 2776 | 162 5 45 | 128 31 19 | 17.266 | -3 11 29 | 17.239 | -161623.598 | -45962.883 | 2776 | 1.527 | 1.000 | 27.498 |
| T-8-5 | 2777 | 157 46 41 | 124 12 15 | 17.728 | -2 47 25 | 17.707 | -161622.815 | -45961.726 | 2777 | 1.527 | 1.000 | 27.596 |
| T-8-5 | 2778 | 156 17 42 | 122 43 16 | 17.564 | -2 41 48 | 17.545 | -161622.346 | -45961.610 | 2778 | 1.527 | 1.000 | 27.633 |
| T-8-5 | 2779 | 155 3 33 | 121 29 7 | 17.725 | -2 37 20 | 17.706 | -161622.109 | -45961.272 | 2779 | 1.527 | 1.000 | 27.648 |
| T-8-5 | 2780 | 142 3 18 | 108 28 52 | 15.550 | -5 27 46 | 15.479 | -161617.768 | -45961.690 | 2780 | 1.527 | 1.000 | 26.979 |
| T-8-5 | 2781 | 148 17 48 | 114 43 22 | 14.408 | -5 30 51 | 14.341 | -161618.859 | -45963.344 | 2781 | 1.527 | 1.000 | 27.074 |
| T-8-5 | 2782 | 155 56 49 | 122 22 23 | 18.453 | -4 35 8 | 18.394 | -161622.710 | -45960.836 | 2782 | 1.527 | 1.000 | 26.984 |
| T-8-5 | 2783 | 155 55 5 | 122 20 39 | 18.842 | 1 37 44 | 18.834 | -161622.938 | -45960.459 | 2783 | 1.527 | 1.000 | 28.995 |
| T-8-5 | 2784 | 148 1 5 | 114 26 39 | 14.678 | 2 8 50 | 14.668 | -161618.931 | -45963.018 | 2784 | 1.527 | 1.000 | 29.009 |
| T-8-5 | 2785 | 140 56 5 | 107 21 39 | 16.126 | 3 12 44 | 16.101 | -161617.666 | -45961.003 | 2785 | 1.527 | 1.000 | 29.363 |
| T-8-5 | 2786 | 162 48 30 | 129 14 4 | 17.893 | -3 8 16 | 17.866 | -161624.162 | -45962.532 | 2786 | 1.527 | 1.000 | 27.480 |
| T-8-5 | 2787 | 169 24 57 | 135 50 31 | 17.379 | -3 38 31 | 17.344 | -161625.305 | -45964.288 | 2787 | 1.527 | 1.000 | 27.355 |
| T-8-5 | 2788 | 169 20 18 | 135 45 52 | 17.246 | -3 38 36 | 17.211 | -161625.193 | -45964.364 | 2788 | 1.527 | 1.000 | 27.363 |
| T-8-5 | 2789 | 169 40 47 | 136 6 21 | 17.785 | -3 31 50 | 17.751 | -161625.653 | -45964.063 | 2789 | 1.527 | 1.000 | 27.364 |

多角測量計算簿

路線名 L08121324

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-8-5 | 2790 | 171 32 47 | 137 58 21 | 17.680 | -3 41 0 | 17.643 | -161625.967 | -45964.559 | 2790 | 1.527 | 1.000 | 27.323 |
| T-8-5 | 2791 | 171 14 27 | 137 40 1 | 16.583 | -3 50 25 | 16.546 | -161625.093 | -45965.228 | 2791 | 1.527 | 1.000 | 27.348 |
| T-8-5 | 2792 | 31 34 32 | 358 0 6 | 5.099 | -5 4 58 | 5.079 | -161607.786 | -45976.548 | 2792 | 1.527 | 1.000 | 28.007 |
| T-8-5 | 2793 | 40 18 31 | 6 44 5 | 5.662 | -4 8 47 | 5.647 | -161607.254 | -45975.709 | 2793 | 1.527 | 1.000 | 28.050 |
| T-8-5 | 2794 | 66 5 0 | 32 30 34 | 10.575 | -2 20 42 | 10.566 | -161603.951 | -45970.692 | 2794 | 1.527 | 1.000 | 28.026 |
| T-8-5 | 2795 | 72 40 50 | 39 6 24 | 14.323 | -1 43 32 | 14.317 | -161601.752 | -45967.340 | 2795 | 1.527 | 1.000 | 28.028 |
| T-8-5 | 2796 | 73 11 50 | 39 37 24 | 14.305 | -1 45 21 | 14.298 | -161601.848 | -45967.252 | 2796 | 1.527 | 1.000 | 28.021 |
| T-8-5 | 2797 | 67 40 47 | 34 6 21 | 10.966 | -2 20 32 | 10.957 | -161603.789 | -45970.227 | 2797 | 1.527 | 1.000 | 28.011 |
| T-8-5 | 2798 | 111 58 16 | 78 23 50 | 10.889 | -0 42 26 | 10.888 | -161610.672 | -45965.705 | 2798 | 1.527 | 1.300 | 28.025 |
| T-8-5 | 2799 | 114 27 55 | 80 53 29 | 12.084 | -0 40 28 | 12.083 | -161610.949 | -45964.440 | 2799 | 1.527 | 1.300 | 28.017 |
| T-8-5 | 2800 | 141 0 38 | 107 26 12 | 17.341 | -0 28 39 | 17.340 | -161618.058 | -45959.828 | 2800 | 1.527 | 1.300 | 28.014 |
| T-8-5 | 2801 | 147 18 12 | 113 43 46 | 20.157 | 1 6 35 | 20.153 | -161620.971 | -45957.922 | 2801 | 1.527 | 1.850 | 27.999 |
| T-8-5 | 2802 | 61 58 10 | 28 23 44 | 5.894 | -4 23 36 | 5.877 | -161607.692 | -45973.576 | 2802 | 1.527 | 1.850 | 27.157 |
| T-8-5 | 2803 | 69 21 1 | 35 46 35 | 5.557 | -4 47 58 | 5.538 | -161608.369 | -45973.133 | 2803 | 1.527 | 1.850 | 27.144 |
| T-8-5 | 2804 | 65 39 56 | 32 5 30 | 4.827 | -5 36 14 | 4.804 | -161608.792 | -45973.819 | 2804 | 1.527 | 1.000 | 27.988 |
| T-8-5 | 2805 | 73 34 58 | 40 0 32 | 9.799 | -2 39 52 | 9.788 | -161605.364 | -45970.078 | 2805 | 1.527 | 1.000 | 28.003 |
| T-8-5 | 2806 | 78 10 2 | 44 35 36 | 9.602 | -2 43 9 | 9.591 | -161606.032 | -45969.637 | 2806 | 1.527 | 1.000 | 28.003 |
| T-8-5 | 2807 | 77 3 13 | 43 28 47 | 8.840 | -3 0 37 | 8.828 | -161606.456 | -45970.296 | 2807 | 1.527 | 1.000 | 27.995 |
| T-8-5 | 2808 | 0 0 0 | 326 25 34 | 0.000 | 90 0 0 | 0.000 | -161612.862 | -45976.371 | 2808 | 1.527 | 1.000 | 28.459 |
| T-8-5 | 2809 | 55 7 40 | 21 33 14 | 6.292 | -4 19 6 | 6.274 | -161607.026 | -45974.066 | 2809 | 1.527 | 1.000 | 27.985 |
| T-8-5 | 2810 | 52 57 50 | 19 23 24 | 5.970 | -4 28 11 | 5.952 | -161607.247 | -45974.395 | 2810 | 1.527 | 1.000 | 27.994 |
| T-8-5 | 2811 | 42 33 22 | 8 58 56 | 4.975 | -5 21 38 | 4.953 | -161607.969 | -45975.597 | 2811 | 1.527 | 1.000 | 27.994 |
| T-8-5 | 2812 | 44 54 8 | 11 19 42 | 7.182 | 8 13 46 | 7.108 | -161605.892 | -45974.975 | 2812 | 1.527 | 1.500 | 28.987 |
| T-8-5 | 2813 | 42 18 30 | 8 44 4 | 6.920 | 8 31 35 | 6.844 | -161606.097 | -45975.331 | 2813 | 1.527 | 1.500 | 28.985 |
| T-8-5 | 2814 | 38 23 42 | 4 49 16 | 5.942 | 5 58 18 | 5.910 | -161606.972 | -45975.874 | 2814 | 1.527 | 1.500 | 28.577 |
| T-8-5 | 2815 | 29 4 26 | 355 30 0 | 5.527 | 2 52 49 | 5.520 | -161607.359 | -45976.804 | 2815 | 1.527 | 1.500 | 28.237 |
| T-8-5 | 2816 | 78 54 4 | 45 19 38 | 9.556 | -2 41 5 | 9.546 | -161606.150 | -45969.582 | 2816 | 1.527 | 1.000 | 28.011 |
| T-8-5 | 2817 | 73 9 43 | 39 35 17 | 6.417 | -4 11 37 | 6.400 | -161607.929 | -45972.292 | 2817 | 1.527 | 1.000 | 27.990 |
| T-8-5 | 2818 | 74 33 19 | 40 58 53 | 6.107 | -4 26 12 | 6.089 | -161608.265 | -45972.378 | 2818 | 1.527 | 1.000 | 27.987 |
| T-8-5 | 2819 | 77 15 18 | 43 40 52 | 6.258 | -4 23 44 | 6.240 | -161608.349 | -45972.061 | 2819 | 1.527 | 1.000 | 27.979 |
| T-8-5 | 2820 | 81 42 0 | 48 7 34 | 9.473 | -2 39 36 | 9.463 | -161606.545 | -45969.324 | 2820 | 1.527 | 1.000 | 28.019 |
| T-8-5 | 2821 | 93 58 44 | 60 24 18 | 9.390 | -2 44 50 | 9.379 | -161608.230 | -45968.215 | 2821 | 1.527 | 1.000 | 28.009 |
| T-8-5 | 2822 | 108 43 49 | 75 9 23 | 9.880 | -2 33 42 | 9.870 | -161610.333 | -45966.830 | 2822 | 1.527 | 1.000 | 28.017 |
| T-8-5 | 2823 | 118 12 47 | 84 38 21 | 6.681 | -4 45 16 | 6.658 | -161612.240 | -45969.742 | 2823 | 1.527 | 1.000 | 27.905 |

多角測量計算簿

路線名 L08121324

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-8-5 | 2824 | 123 58 44 | 90 24 18 | 7.099 | -4 33 56 | 7.076 | -161612.912 | -45969.295 | 2824 | 1.527 | 1.000 | 27.894 |
| T-8-5 | 2825 | 113 8 27 | 79 34 1 | 10.173 | -2 33 52 | 10.163 | -161611.021 | -45966.376 | 2825 | 1.527 | 1.000 | 28.004 |
| T-8-5 | 2826 | 122 44 56 | 89 10 30 | 11.095 | -2 27 0 | 11.085 | -161612.702 | -45965.287 | 2826 | 1.527 | 1.000 | 27.985 |
| T-8-5 | 2827 | 132 23 35 | 98 49 9 | 12.627 | -2 16 18 | 12.617 | -161614.796 | -45963.903 | 2827 | 1.527 | 1.000 | 27.958 |
| T-8-5 | 2828 | 147 20 59 | 113 46 33 | 13.083 | -2 57 19 | 13.066 | -161618.129 | -45964.414 | 2828 | 1.527 | 1.000 | 27.784 |
| T-8-5 | 2829 | 152 27 56 | 118 53 30 | 15.220 | -2 45 36 | 15.202 | -161620.206 | -45963.061 | 2829 | 1.527 | 1.000 | 27.726 |
| T-8-5 | 2830 | 52 16 24 | 18 41 58 | 6.708 | -2 31 13 | 6.702 | -161606.513 | -45974.222 | 2830 | 1.527 | 1.000 | 28.164 |
| T-8-5 | 2831 | 181 10 37 | 147 36 11 | 27.504 | -2 58 23 | 27.467 | -161636.053 | -45961.654 | 2831 | 1.527 | 1.000 | 27.032 |
| T-8-5 | 2832 | 181 25 38 | 147 51 12 | 27.667 | -2 57 10 | 27.630 | -161636.256 | -45961.669 | 2832 | 1.527 | 1.000 | 27.034 |
| T-8-5 | 2833 | 183 52 4 | 150 17 38 | 27.707 | -2 51 46 | 27.672 | -161636.897 | -45962.658 | 2833 | 1.527 | 1.000 | 27.075 |
| T-7-2 | T-7 | | 245 17 1 | | | | -161693.858 | -45923.959 | T-7-2 | | | 24.785 |
| T-7-2 | 2834 | 86 12 24 | 331 29 25 | 31.259 | 0 47 50 | 31.256 | -161666.393 | -45938.878 | 2834 | 1.493 | 1.000 | 25.713 |
| T-7-2 | 2835 | 87 18 28 | 332 35 29 | 25.287 | 0 32 27 | 25.286 | -161671.411 | -45935.599 | 2835 | 1.493 | 1.000 | 25.517 |
| T-7-2 | 2836 | 88 42 43 | 333 59 44 | 20.312 | 0 13 15 | 20.312 | -161675.603 | -45932.865 | 2836 | 1.493 | 1.000 | 25.357 |
| T-7-2 | 2837 | 92 4 33 | 337 21 34 | 13.894 | -0 33 49 | 13.893 | -161681.036 | -45929.307 | 2837 | 1.493 | 1.000 | 25.142 |
| T-7-2 | 2838 | 101 2 28 | 346 19 29 | 7.591 | -2 35 48 | 7.583 | -161686.490 | -45925.752 | 2838 | 1.493 | 1.000 | 24.934 |
| T-7-2 | 2839 | 138 41 53 | 23 58 54 | 3.065 | -9 39 53 | 3.021 | -161691.098 | -45922.731 | 2839 | 1.493 | 1.000 | 24.764 |
| T-7-2 | 2840 | 206 44 14 | 92 1 15 | 3.183 | -11 28 51 | 3.119 | -161693.968 | -45920.842 | 2840 | 1.493 | 1.000 | 24.645 |
| T-7-2 | 2841 | 61 0 44 | 306 17 45 | 3.487 | -5 59 35 | 3.468 | -161691.805 | -45926.754 | 2841 | 1.493 | 1.000 | 24.914 |
| T-7-2 | 2842 | 80 0 23 | 325 17 24 | 3.271 | -6 40 15 | 3.249 | -161691.188 | -45925.809 | 2842 | 1.493 | 1.000 | 24.898 |
| T-7-2 | 2843 | 82 25 16 | 327 42 17 | 3.405 | -6 31 58 | 3.383 | -161690.999 | -45925.767 | 2843 | 1.493 | 1.000 | 24.891 |
| T-7-2 | 2844 | 81 57 56 | 327 14 57 | 7.307 | -2 8 28 | 7.302 | -161687.717 | -45927.909 | 2844 | 1.493 | 1.000 | 25.005 |
| T-7-2 | 2845 | 81 44 6 | 327 1 7 | 11.213 | -0 40 4 | 11.212 | -161684.453 | -45930.063 | 2845 | 1.493 | 1.000 | 25.148 |
| T-7-2 | 2846 | 81 3 2 | 326 20 3 | 11.349 | -0 39 12 | 11.348 | -161684.414 | -45930.250 | 2846 | 1.493 | 1.000 | 25.149 |
| T-7-2 | 2847 | 75 36 28 | 320 53 29 | 11.373 | -0 27 7 | 11.373 | -161685.033 | -45931.133 | 2847 | 1.493 | 1.000 | 25.189 |
| T-7-2 | 2848 | 78 47 19 | 324 4 20 | 29.900 | 0 50 33 | 29.897 | -161669.649 | -45941.502 | 2848 | 1.493 | 1.000 | 25.718 |
| T-7-2 | 2849 | 78 26 40 | 323 43 41 | 26.519 | 0 41 53 | 26.517 | -161672.480 | -45939.647 | 2849 | 1.493 | 1.000 | 25.601 |
| T-7-2 | 2850 | 78 21 2 | 323 38 3 | 25.809 | 0 38 59 | 25.807 | -161673.077 | -45939.261 | 2850 | 1.493 | 1.000 | 25.571 |
| T-7-2 | 2851 | 77 29 24 | 322 46 25 | 20.166 | 0 19 37 | 20.166 | -161677.801 | -45936.159 | 2851 | 1.493 | 1.000 | 25.393 |
| T-7-2 | 2852 | 75 44 17 | 321 1 18 | 14.426 | -0 17 45 | 14.426 | -161682.644 | -45933.034 | 2852 | 1.493 | 1.000 | 25.204 |
| T-7-2 | 2853 | 73 40 23 | 318 57 24 | 10.409 | -1 7 46 | 10.407 | -161686.009 | -45930.793 | 2853 | 1.493 | 1.000 | 25.073 |
| T-7-2 | 2854 | 61 32 59 | 306 50 0 | 4.213 | -5 25 28 | 4.194 | -161691.344 | -45927.316 | 2854 | 1.493 | 1.000 | 24.880 |
| T-7-2 | 2855 | 57 23 19 | 302 40 20 | 3.611 | -7 7 10 | 3.583 | -161691.924 | -45926.975 | 2855 | 1.493 | 1.000 | 24.831 |

多角測量計算簿

路線名 L08121324

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-7-2 | 2856 | 52 11 51 | 297 28 52 | 3.036 | -8 36 22 | 3.002 | -161692.473 | -45926.622 | 2856 | 1.493 | 1.000 | 24.824 |
| T-7-2 | 2857 | 46 55 15 | 292 12 16 | 2.457 | -10 52 28 | 2.413 | -161692.946 | -45926.193 | 2857 | 1.493 | 1.000 | 24.815 |
| T-7-2 | 2858 | 39 43 48 | 285 0 49 | 1.909 | -14 26 43 | 1.849 | -161693.379 | -45925.745 | 2858 | 1.493 | 1.000 | 24.802 |
| T-7-2 | 2859 | 28 24 36 | 273 41 37 | 1.403 | -20 50 0 | 1.311 | -161693.774 | -45925.267 | 2859 | 1.493 | 1.000 | 24.779 |
| T-7-2 | 2860 | 5 28 52 | 250 45 53 | 0.963 | -33 11 44 | 0.806 | -161694.124 | -45924.720 | 2860 | 1.493 | 1.000 | 24.751 |
| T-7-2 | 2861 | 312 13 43 | 197 30 44 | 0.754 | -48 17 5 | 0.502 | -161694.337 | -45924.110 | 2861 | 1.493 | 1.000 | 24.716 |
| T-7-2 | 2862 | 254 44 18 | 140 1 19 | 0.965 | -37 6 18 | 0.770 | -161694.448 | -45923.464 | 2862 | 1.493 | 1.000 | 24.696 |
| T-7-2 | 2863 | 234 19 37 | 119 36 38 | 1.425 | -24 46 5 | 1.294 | -161694.498 | -45922.834 | 2863 | 1.493 | 1.000 | 24.681 |
| T-7-2 | 2864 | 223 14 1 | 108 31 2 | 1.986 | -18 1 17 | 1.889 | -161694.458 | -45922.168 | 2864 | 1.493 | 1.000 | 24.664 |
| T-7-2 | 2865 | 215 15 6 | 100 32 7 | 2.516 | -14 27 4 | 2.436 | -161694.304 | -45921.564 | 2865 | 1.493 | 1.000 | 24.650 |
| T-7-2 | 2866 | 208 31 40 | 93 48 41 | 3.082 | -11 52 51 | 3.016 | -161694.059 | -45920.950 | 2866 | 1.493 | 1.000 | 24.644 |
| T-7-2 | 2867 | 206 54 58 | 92 11 59 | 3.188 | -11 26 58 | 3.125 | -161693.978 | -45920.836 | 2867 | 1.493 | 1.000 | 24.646 |
| T-7-2 | 2868 | 245 32 19 | 130 49 20 | 8.716 | -5 27 26 | 8.676 | -161699.530 | -45917.394 | 2868 | 1.493 | 1.000 | 24.449 |
| T-7-2 | 2869 | 245 13 9 | 130 30 10 | 8.736 | -5 22 46 | 8.698 | -161699.508 | -45917.345 | 2869 | 1.493 | 1.000 | 24.459 |
| T-7-2 | 2870 | 251 48 52 | 137 5 53 | 14.465 | -4 2 30 | 14.429 | -161704.428 | -45914.137 | 2870 | 1.493 | 1.000 | 24.259 |
| T-7-2 | 2871 | 254 29 39 | 139 46 40 | 19.906 | -3 27 24 | 19.870 | -161709.030 | -45911.128 | 2871 | 1.493 | 1.000 | 24.078 |
| T-7-2 | 2872 | 256 0 52 | 141 17 53 | 25.397 | -3 7 17 | 25.359 | -161713.649 | -45908.103 | 2872 | 1.493 | 1.000 | 23.895 |
| T-7-2 | 2873 | 256 55 58 | 142 12 59 | 30.387 | -2 54 23 | 30.348 | -161717.843 | -45905.365 | 2873 | 1.493 | 1.000 | 23.738 |
| T-7-2 | 2874 | 257 38 5 | 142 55 6 | 35.896 | -2 44 8 | 35.855 | -161722.463 | -45902.340 | 2874 | 1.493 | 1.000 | 23.565 |
| T-7-2 | 2875 | 258 7 31 | 143 24 32 | 41.002 | -2 38 5 | 40.959 | -161726.745 | -45899.543 | 2875 | 1.493 | 1.000 | 23.394 |
| T-7-2 | 2876 | 261 26 55 | 146 43 56 | 40.560 | -2 34 15 | 40.519 | -161727.737 | -45901.732 | 2876 | 1.493 | 1.000 | 23.459 |
| T-7-2 | 2877 | 261 26 38 | 146 43 39 | 35.181 | -2 39 45 | 35.143 | -161723.240 | -45904.679 | 2877 | 1.493 | 1.000 | 23.644 |
| T-7-2 | 2878 | 261 25 19 | 146 42 20 | 30.104 | -2 48 16 | 30.068 | -161718.991 | -45907.454 | 2878 | 1.493 | 1.000 | 23.805 |
| T-7-2 | 2879 | 261 22 34 | 146 39 35 | 26.883 | -2 54 1 | 26.849 | -161716.289 | -45909.203 | 2879 | 1.493 | 1.000 | 23.918 |
| T-7-2 | 2880 | 261 41 18 | 146 58 19 | 26.743 | -2 53 55 | 26.709 | -161716.251 | -45909.401 | 2880 | 1.493 | 1.000 | 23.926 |
| T-7-2 | 2881 | 264 12 40 | 149 29 41 | 26.772 | -2 50 57 | 26.739 | -161716.896 | -45910.386 | 2881 | 1.493 | 1.000 | 23.948 |
| T-7-2 | 2882 | 264 17 56 | 149 34 57 | 19.536 | -3 19 50 | 19.503 | -161710.677 | -45914.085 | 2882 | 1.493 | 1.000 | 24.143 |
| T-7-2 | 2883 | 261 46 20 | 147 3 21 | 19.500 | -3 16 10 | 19.468 | -161710.196 | -45913.372 | 2883 | 1.493 | 1.000 | 24.166 |
| T-7-2 | 2884 | 261 21 11 | 146 38 12 | 19.320 | -3 17 25 | 19.288 | -161709.968 | -45913.352 | 2884 | 1.493 | 1.000 | 24.169 |
| T-7-2 | 2885 | 261 22 1 | 146 39 2 | 16.892 | -3 30 24 | 16.860 | -161707.942 | -45914.690 | 2885 | 1.493 | 1.000 | 24.245 |
| T-7-2 | 2886 | 261 8 58 | 146 25 59 | 13.069 | -4 3 50 | 13.036 | -161704.720 | -45916.751 | 2886 | 1.493 | 1.000 | 24.352 |
| T-7-2 | 2887 | 261 50 15 | 147 7 16 | 12.922 | -4 3 39 | 12.890 | -161704.684 | -45916.962 | 2887 | 1.493 | 1.000 | 24.363 |
| T-7-2 | 2888 | 266 59 14 | 152 16 15 | 12.984 | -3 51 0 | 12.955 | -161705.326 | -45917.931 | 2888 | 1.493 | 1.000 | 24.407 |
| T-7-2 | 2889 | 244 40 31 | 129 57 32 | 8.281 | -5 47 45 | 8.239 | -161699.150 | -45917.644 | 2889 | 1.493 | 1.000 | 24.442 |

多角測量計算簿

路線名 L08121324

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-7-2 | 2890 | 250 52 40 | 136 9 41 | 8.338 | -5 55 0 | 8.294 | -161699.841 | -45918.214 | 2890 | 1.493 | 1.000 | 24.419 |
| T-7-2 | 2891 | 257 2 40 | 142 19 41 | 8.605 | -5 48 55 | 8.561 | -161700.635 | -45918.727 | 2891 | 1.493 | 1.000 | 24.406 |
| T-7-2 | 2892 | 262 4 54 | 147 21 55 | 9.186 | -5 31 28 | 9.143 | -161701.558 | -45919.028 | 2892 | 1.493 | 1.000 | 24.394 |
| T-7-2 | 2893 | 265 34 4 | 150 51 5 | 9.932 | -5 9 31 | 9.892 | -161702.498 | -45919.141 | 2893 | 1.493 | 1.000 | 24.385 |
| T-7-2 | 2894 | 267 32 22 | 152 49 23 | 10.826 | -4 48 40 | 10.788 | -161703.455 | -45919.032 | 2894 | 1.493 | 1.000 | 24.370 |
| T-7-2 | 2895 | 268 22 51 | 153 39 52 | 11.761 | -4 29 24 | 11.725 | -161704.366 | -45918.758 | 2895 | 1.493 | 1.000 | 24.358 |
| T-7-2 | 2896 | 268 17 30 | 153 34 31 | 12.433 | -4 18 33 | 12.398 | -161704.961 | -45918.442 | 2896 | 1.493 | 1.000 | 24.344 |
| T-7-2 | 2897 | 267 53 6 | 153 10 7 | 13.062 | -4 10 24 | 13.027 | -161705.483 | -45918.079 | 2897 | 1.493 | 1.000 | 24.328 |
| T-7-2 | 2898 | 267 35 39 | 152 52 40 | 13.768 | -4 4 39 | 13.733 | -161706.081 | -45917.698 | 2898 | 1.493 | 1.000 | 24.299 |
| T-7-2 | 2899 | 266 28 48 | 151 45 49 | 16.689 | -3 42 15 | 16.654 | -161708.531 | -45916.080 | 2899 | 1.493 | 1.000 | 24.200 |
| T-7-2 | 2900 | 264 55 45 | 150 12 46 | 24.338 | -3 9 17 | 24.301 | -161714.949 | -45911.887 | 2900 | 1.493 | 1.000 | 23.939 |
| T-7-2 | 2901 | 264 41 10 | 149 58 11 | 26.170 | -3 3 17 | 26.133 | -161716.483 | -45910.881 | 2901 | 1.493 | 1.000 | 23.884 |
| T-7-2 | 2902 | 264 3 30 | 149 20 31 | 33.070 | -2 48 13 | 33.030 | -161722.272 | -45907.117 | 2902 | 1.493 | 1.000 | 23.661 |
| T-7-2 | 2903 | 264 0 55 | 149 17 56 | 33.785 | -2 47 59 | 33.745 | -161722.874 | -45906.730 | 2903 | 1.493 | 1.000 | 23.628 |
| T-7-2 | 2904 | 263 36 42 | 148 53 43 | 40.455 | -2 40 24 | 40.411 | -161728.459 | -45903.083 | 2904 | 1.493 | 1.000 | 23.391 |
| T-7-2 | 2905 | 202 32 54 | 87 49 55 | 14.420 | -2 56 10 | 14.401 | -161693.314 | -45909.568 | 2905 | 1.493 | 1.000 | 24.540 |
| T-7-2 | 2906 | 218 24 47 | 103 41 48 | 10.187 | -4 17 43 | 10.158 | -161696.264 | -45914.090 | 2906 | 1.493 | 1.000 | 24.515 |
| T-7-2 | 2907 | 238 52 41 | 124 9 42 | 8.085 | -5 33 45 | 8.047 | -161698.377 | -45917.301 | 2907 | 1.493 | 1.000 | 24.495 |
| T-7-2 | 2908 | 180 4 18 | 65 21 19 | 12.877 | -2 49 53 | 12.861 | -161688.495 | -45912.270 | 2908 | 1.493 | 1.000 | 24.642 |
| T-7-2 | 2909 | 181 13 11 | 66 30 12 | 11.351 | -3 13 6 | 11.333 | -161689.340 | -45913.566 | 2909 | 1.493 | 1.000 | 24.641 |
| T-7-2 | 2910 | 191 44 20 | 77 1 21 | 5.563 | -6 38 18 | 5.526 | -161692.617 | -45918.574 | 2910 | 1.493 | 1.000 | 24.635 |
| T-7-2 | 2911 | 225 32 6 | 110 49 7 | 5.071 | -13 30 56 | 4.931 | -161695.611 | -45919.350 | 2911 | 1.493 | 1.000 | 24.093 |
| T-7-2 | 2912 | 228 1 31 | 113 18 32 | 5.393 | -12 49 42 | 5.258 | -161695.939 | -45919.130 | 2912 | 1.493 | 1.000 | 24.081 |
| T-7-2 | 2913 | 96 19 12 | 341 36 13 | 13.778 | -0 19 8 | 13.778 | -161680.784 | -45928.307 | 2913 | 1.493 | 1.000 | 25.202 |
| T-7-2 | 2914 | 95 19 2 | 340 36 3 | 13.562 | -0 26 44 | 13.562 | -161681.066 | -45928.464 | 2914 | 1.493 | 1.000 | 25.173 |
| T-7-2 | 2915 | 94 41 10 | 339 58 11 | 13.289 | -0 40 37 | 13.288 | -161681.374 | -45928.511 | 2915 | 1.493 | 1.000 | 25.121 |
| T-7-2 | 2916 | 98 24 3 | 343 41 4 | 10.414 | -1 24 16 | 10.411 | -161683.867 | -45926.884 | 2916 | 1.493 | 1.000 | 25.023 |
| T-7-2 | 2917 | 100 6 27 | 345 23 28 | 10.541 | -4 44 5 | 10.505 | -161683.693 | -45926.609 | 2917 | 1.493 | 1.000 | 24.408 |
| T-7-2 | 2918 | 138 36 10 | 23 53 11 | 3.658 | -7 56 5 | 3.623 | -161690.546 | -45922.492 | 2918 | 1.493 | 1.000 | 24.773 |
| T-7-2 | 2919 | 141 13 42 | 26 30 43 | 3.903 | -6 54 13 | 3.875 | -161690.391 | -45922.229 | 2919 | 1.493 | 1.000 | 24.809 |
| T-7-2 | 2920 | 156 12 52 | 41 29 53 | 3.504 | -8 32 23 | 3.465 | -161691.263 | -45921.663 | 2920 | 1.493 | 1.000 | 24.758 |
| T-7-2 | 2921 | 161 40 54 | 46 57 55 | 5.356 | -5 4 36 | 5.335 | -161690.218 | -45920.060 | 2921 | 1.493 | 1.000 | 24.804 |
| T-7-2 | 2922 | 151 9 2 | 36 26 3 | 5.552 | -4 15 23 | 5.537 | -161689.404 | -45920.671 | 2922 | 1.493 | 1.000 | 24.866 |
| T-7-2 | 2923 | 161 32 32 | 46 49 33 | 11.257 | -2 11 49 | 11.249 | -161686.162 | -45915.756 | 2923 | 1.493 | 1.000 | 24.847 |

多 角 測 量 計 算 簿

路線名 L08121324

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-7-2 | 2924 | 164 4 6 | 49 21 7 | 11.203 | -2 17 26 | 11.194 | -161686.566 | -45915.466 | 2924 | 1.493 | 1.000 | 24.831 |
| T-7-2 | 2925 | 165 1 42 | 50 18 43 | 12.846 | -2 5 2 | 12.838 | -161685.660 | -45914.080 | 2925 | 1.493 | 1.000 | 24.811 |
| T-7-2 | 2926 | 177 28 46 | 62 45 47 | 11.958 | -2 59 6 | 11.942 | -161688.393 | -45913.341 | 2926 | 1.493 | 1.000 | 24.656 |
| T-7-2 | 2927 | 179 16 1 | 64 33 2 | 11.979 | -3 2 8 | 11.962 | -161688.718 | -45913.158 | 2927 | 1.493 | 1.000 | 24.644 |
| T-7-2 | 2928 | 227 10 14 | 112 27 15 | 8.235 | -5 5 32 | 8.202 | -161696.991 | -45916.379 | 2928 | 1.493 | 1.000 | 24.547 |
| T-7-2 | 2929 | 245 39 11 | 130 56 12 | 5.162 | -7 43 31 | 5.115 | -161697.210 | -45920.095 | 2929 | 1.493 | 1.000 | 24.584 |
| T-7-2 | 2930 | 157 57 50 | 43 14 51 | 12.710 | 5 53 49 | 12.643 | -161684.649 | -45915.297 | 2930 | 1.493 | 1.000 | 26.584 |
| T-7-2 | 2931 | 128 41 15 | 13 58 16 | 4.382 | 5 53 55 | 4.359 | -161689.628 | -45922.907 | 2931 | 1.493 | 1.000 | 25.729 |
| T-7-2 | 2932 | 100 10 57 | 345 27 58 | 9.990 | -1 1 17 | 9.988 | -161684.190 | -45926.466 | 2932 | 1.493 | 1.000 | 25.100 |
| T-7-2 | 2933 | 100 8 4 | 345 25 5 | 10.647 | -1 1 16 | 10.645 | -161683.556 | -45926.639 | 2933 | 1.493 | 1.000 | 25.089 |
| T-7-2 | 2934 | 96 46 21 | 342 3 22 | 12.886 | -1 1 18 | 12.884 | -161681.601 | -45927.929 | 2934 | 1.493 | 1.000 | 25.049 |
| T-7-2 | 2935 | 245 34 4 | 130 51 5 | 24.094 | -1 10 32 | 24.089 | -161709.615 | -45905.738 | 2935 | 1.493 | 1.000 | 24.784 |
| T-7-2 | 2936 | 249 55 2 | 135 12 3 | 23.666 | -1 32 17 | 23.657 | -161710.645 | -45907.290 | 2936 | 1.493 | 1.500 | 24.143 |
| T-7-2 | 2937 | 253 35 3 | 138 52 4 | 21.949 | -1 57 52 | 21.936 | -161710.380 | -45909.530 | 2937 | 1.493 | 1.500 | 24.026 |
| T-7-2 | 2938 | 249 1 44 | 134 18 45 | 13.972 | -2 1 40 | 13.963 | -161703.612 | -45913.968 | 2938 | 1.493 | 1.500 | 24.284 |
| T-7-2 | 2939 | 251 40 51 | 136 57 52 | 28.666 | -1 19 26 | 28.658 | -161714.805 | -45904.401 | 2939 | 1.493 | 1.500 | 24.116 |
| T-7-2 | 2940 | 255 20 47 | 140 37 48 | 28.385 | -1 56 56 | 28.369 | -161715.789 | -45905.964 | 2940 | 1.493 | 1.500 | 23.813 |
| T-7-2 | 2941 | 257 0 43 | 142 17 44 | 38.398 | -1 56 17 | 38.376 | -161724.220 | -45900.489 | 2941 | 1.493 | 1.500 | 23.480 |
| T-7-2 | 2942 | 257 16 31 | 142 33 32 | 40.994 | -1 56 0 | 40.971 | -161726.388 | -45899.051 | 2942 | 1.493 | 1.500 | 23.395 |
| T-7-2 | 2943 | 248 1 53 | 133 18 54 | 42.092 | -0 35 54 | 42.090 | -161722.732 | -45893.335 | 2943 | 1.493 | 1.500 | 24.339 |
| T-7-2 | 2944 | 247 12 42 | 132 29 43 | 24.578 | -1 15 43 | 24.572 | -161710.457 | -45905.841 | 2944 | 1.493 | 1.500 | 24.237 |
| T-7-2 | 2945 | 251 37 10 | 136 54 11 | 23.682 | -1 45 28 | 23.671 | -161711.143 | -45907.786 | 2945 | 1.493 | 1.500 | 24.052 |
| T-7-2 | 2946 | 252 35 51 | 137 52 52 | 23.602 | -1 50 56 | 23.590 | -161711.356 | -45908.138 | 2946 | 1.493 | 1.500 | 24.017 |
| T-7-2 | 2947 | 251 28 42 | 136 45 43 | 23.278 | -1 44 6 | 23.267 | -161710.809 | -45908.021 | 2947 | 1.493 | 1.500 | 24.074 |
| T-7-2 | 2948 | 252 23 18 | 137 40 19 | 23.221 | -1 50 19 | 23.209 | -161711.017 | -45908.331 | 2948 | 1.493 | 1.500 | 24.033 |
| T-7-2 | 2949 | 252 56 32 | 138 13 33 | 22.650 | -1 53 1 | 22.638 | -161710.741 | -45908.878 | 2949 | 1.493 | 1.500 | 24.034 |
| T-7-2 | 2950 | 246 17 54 | 131 34 55 | 22.368 | -1 3 39 | 22.364 | -161708.701 | -45907.231 | 2950 | 1.493 | 1.500 | 24.364 |
| T-7-2 | 2951 | 245 39 22 | 130 56 23 | 21.537 | -1 4 26 | 21.533 | -161707.968 | -45907.693 | 2951 | 1.493 | 1.500 | 24.375 |
| T-7-2 | 2952 | 87 47 54 | 333 4 55 | 41.759 | 1 49 5 | 41.738 | -161656.642 | -45942.855 | 2952 | 1.493 | 1.500 | 26.103 |
| T-7-2 | 2953 | 86 46 22 | 332 3 23 | 41.684 | 1 46 7 | 41.664 | -161657.052 | -45943.483 | 2953 | 1.493 | 1.500 | 26.065 |
| T-7-2 | t254 | 87 58 14 | 333 15 15 | 39.906 | 1 25 5 | 39.894 | -161658.233 | -45941.913 | t254 | 1.493 | 1.200 | 26.066 |
| T-7-2 | t255 | 87 59 44 | 333 16 45 | 32.824 | 2 5 51 | 32.802 | -161664.559 | -45938.708 | t255 | 1.493 | 1.200 | 26.280 |
| T-7-2 | t256 | 85 54 11 | 331 11 12 | 39.778 | 1 18 9 | 39.768 | -161659.014 | -45943.126 | t256 | 1.493 | 1.200 | 25.983 |
| T-7-2 | t257 | 85 32 20 | 330 49 21 | 39.759 | 0 35 31 | 39.757 | -161659.146 | -45943.341 | t257 | 1.493 | 1.200 | 25.489 |

多角測量計算簿

路線名 L08121324

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-7-2 | t258 | 77 59 54 | 323 16 55 | 26.253 | 0 21 39 | 26.252 | -161672.815 | -45939.655 | t258 | 1.493 | 1.200 | 25.244 |
| T-7-2 | t259 | 85 52 31 | 331 9 32 | 16.583 | 0 36 44 | 16.582 | -161679.333 | -45931.958 | t259 | 1.493 | 1.200 | 25.256 |
| T-7-2 | t260 | 90 56 26 | 336 13 27 | 16.889 | -1 11 52 | 16.885 | -161678.406 | -45930.767 | t260 | 1.493 | 1.200 | 24.725 |
| T-7-2 | t261 | 91 50 21 | 337 7 22 | 16.934 | 0 28 21 | 16.933 | -161678.257 | -45930.542 | t261 | 1.493 | 1.200 | 25.218 |
| T-7-2 | t262 | 95 52 58 | 341 9 59 | 17.373 | 0 40 54 | 17.372 | -161677.416 | -45929.567 | t262 | 1.493 | 1.200 | 25.285 |
| T-7-2 | t263 | 143 44 8 | 29 1 9 | 1.604 | -12 3 31 | 1.569 | -161692.486 | -45923.198 | t263 | 1.493 | 1.200 | 24.743 |
| T-7-2 | t264 | 205 7 7 | 90 24 8 | 3.490 | -15 41 42 | 3.360 | -161693.882 | -45920.599 | t264 | 1.493 | 1.200 | 24.134 |
| T-7-2 | t265 | 176 47 22 | 62 4 23 | 3.082 | -7 38 7 | 3.055 | -161692.428 | -45921.260 | t265 | 1.493 | 1.200 | 24.669 |
| T-7-2 | t266 | 174 23 47 | 59 40 48 | 7.572 | -2 51 9 | 7.563 | -161690.040 | -45917.431 | t266 | 1.493 | 1.200 | 24.702 |
| T-7-2 | t267 | 181 7 46 | 66 24 47 | 12.871 | -3 35 30 | 12.846 | -161688.718 | -45912.186 | t267 | 1.493 | 1.200 | 24.272 |
| T-7-2 | t268 | 193 25 47 | 78 42 48 | 5.698 | -8 54 45 | 5.629 | -161692.757 | -45918.439 | t268 | 1.493 | 1.200 | 24.196 |
| T-7-2 | t269 | 226 46 13 | 112 3 14 | 5.216 | -11 12 38 | 5.116 | -161695.779 | -45919.217 | t269 | 1.493 | 1.200 | 24.064 |
| T-7-2 | t270 | 224 47 56 | 110 4 57 | 5.237 | -5 42 50 | 5.211 | -161695.648 | -45919.065 | t270 | 1.493 | 1.200 | 24.557 |
| T-7-2 | t271 | 193 46 31 | 79 3 32 | 12.577 | -2 3 46 | 12.569 | -161691.473 | -45911.619 | t271 | 1.493 | 1.200 | 24.626 |
| T-7-2 | t272 | 204 1 28 | 89 18 29 | 14.228 | -3 39 52 | 14.199 | -161693.687 | -45909.761 | t272 | 1.493 | 1.200 | 24.169 |
| T-7-2 | t273 | 217 6 24 | 102 23 25 | 13.191 | -2 48 5 | 13.175 | -161696.685 | -45911.091 | t273 | 1.493 | 1.200 | 24.434 |
| T-7-2 | t274 | 236 41 10 | 121 58 11 | 8.456 | -6 30 23 | 8.402 | -161698.307 | -45916.831 | t274 | 1.493 | 1.200 | 24.120 |
| T-7-2 | t275 | 241 28 0 | 126 45 1 | 8.186 | -7 55 17 | 8.108 | -161698.710 | -45917.463 | t275 | 1.493 | 1.200 | 23.950 |
| T-7-2 | t276 | 256 16 49 | 141 33 50 | 11.114 | -3 40 36 | 11.091 | -161702.546 | -45917.065 | t276 | 1.493 | 1.200 | 24.366 |
| T-7-2 | t277 | 268 27 14 | 153 44 15 | 13.478 | -5 0 12 | 13.427 | -161705.899 | -45918.018 | t277 | 1.493 | 1.200 | 23.903 |
| T-7-2 | t278 | 258 27 49 | 143 44 50 | 24.214 | -2 42 3 | 24.187 | -161713.363 | -45909.656 | t278 | 1.493 | 1.200 | 23.937 |
| T-7-2 | t279 | 255 0 58 | 140 17 59 | 24.433 | -3 56 18 | 24.375 | -161712.612 | -45908.389 | t279 | 1.493 | 1.200 | 23.400 |
| T-7-2 | t280 | 254 22 1 | 139 39 2 | 24.572 | -2 45 49 | 24.543 | -161712.563 | -45908.069 | t280 | 1.493 | 1.200 | 23.894 |
| T-7-2 | t281 | 246 49 51 | 132 6 52 | 25.666 | -1 55 14 | 25.652 | -161711.061 | -45904.930 | t281 | 1.493 | 1.200 | 24.218 |
| T-7-2 | t282 | 264 17 50 | 149 34 51 | 33.451 | -3 6 28 | 33.402 | -161722.662 | -45907.047 | t282 | 1.493 | 1.200 | 23.265 |
| T-7-2 | t283 | 259 29 10 | 144 46 11 | 40.700 | -2 21 59 | 40.665 | -161727.075 | -45900.501 | t283 | 1.493 | 1.200 | 23.398 |
| T-7-2 | t284 | 257 39 23 | 142 56 24 | 40.906 | -3 6 30 | 40.846 | -161726.454 | -45899.343 | t284 | 1.493 | 1.200 | 22.860 |
| T-7-2 | t285 | 256 22 26 | 141 39 27 | 36.729 | -1 30 10 | 36.716 | -161722.655 | -45901.182 | t285 | 1.493 | 1.200 | 24.115 |
| T-7-2 | t286 | 252 30 2 | 137 47 3 | 21.343 | -2 8 26 | 21.328 | -161709.654 | -45909.628 | t286 | 1.493 | 1.200 | 24.281 |
| T-7-2 | t287 | 240 32 15 | 125 49 16 | 9.474 | -3 52 26 | 9.452 | -161699.390 | -45916.295 | t287 | 1.493 | 1.200 | 24.438 |
| T-7-2 | t288 | 55 18 3 | 300 35 4 | 3.999 | -8 51 18 | 3.951 | -161691.848 | -45927.360 | t288 | 1.493 | 1.200 | 24.463 |
| T-7-2 | 2954 | 228 14 55 | 113 31 56 | 6.083 | -16 19 28 | 5.838 | -161696.189 | -45918.607 | 2954 | 1.493 | 0.000 | 24.569 |
| T-7-2 | 2955 | 238 11 4 | 123 28 5 | 8.207 | -12 29 37 | 8.013 | -161698.277 | -45917.275 | 2955 | 1.493 | 0.000 | 24.503 |
| T-7-2 | 2956 | 275 14 52 | 160 31 53 | 30.530 | -4 26 44 | 30.438 | -161722.556 | -45913.814 | 2956 | 1.493 | 0.000 | 23.912 |

多 角 測 量 計 算 簿

路線名 L08121324

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-7-2 | t289 | 256 28 16 | 141 45 17 | 42.232 | -0 55 57 | 42.226 | -161727.021 | -45897.820 | t289 | 1.493 | 1.200 | 24.391 |
| T-7-2 | t290 | 257 32 55 | 142 49 56 | 57.027 | -0 40 30 | 57.023 | -161739.298 | -45889.509 | t290 | 1.493 | 1.200 | 24.407 |
| T-7-2 | 2957 | 257 13 33 | 142 30 34 | 55.616 | -0 18 28 | 55.615 | -161737.986 | -45890.110 | 2957 | 1.493 | 1.200 | 24.780 |
| T-7-2 | 2958 | 257 0 2 | 142 17 3 | 52.821 | -0 18 58 | 52.820 | -161735.642 | -45891.647 | 2958 | 1.493 | 1.200 | 24.787 |
| T-7-2 | 2959 | 258 11 26 | 143 28 27 | 52.747 | -0 18 13 | 52.746 | -161736.244 | -45892.565 | 2959 | 1.493 | 1.200 | 24.799 |
| T-7-2 | 2960 | 258 18 13 | 143 35 14 | 54.017 | -2 11 9 | 53.978 | -161737.298 | -45891.918 | 2960 | 1.493 | 1.200 | 23.018 |
| T-7-2 | 2961 | 258 31 58 | 143 48 59 | 58.245 | -2 2 43 | 58.208 | -161740.840 | -45889.595 | 2961 | 1.493 | 1.200 | 23.000 |

多角測量計算簿

路線名 L08170845

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-6-2 | T-6 | | 178 43 57 | | | | -161746.702 | -45888.924 | T-6-2 | | | 22.657 |
| T-6-2 | 2962 | 214 40 50 | 33 24 47 | 14.074 | -1 29 48 | 14.069 | -161734.958 | -45881.177 | 2962 | 1.533 | 1.200 | 22.622 |
| T-6-2 | 2963 | 173 17 51 | 352 1 48 | 6.195 | -1 30 14 | 6.193 | -161740.569 | -45889.783 | 2963 | 1.533 | 1.200 | 22.827 |
| T-6-2 | 2964 | 192 48 33 | 11 32 30 | 7.898 | -1 30 4 | 7.895 | -161738.966 | -45887.344 | 2964 | 1.533 | 1.200 | 22.783 |
| T-6-2 | 2965 | 208 34 27 | 27 18 24 | 11.365 | -1 51 33 | 11.359 | -161736.609 | -45883.713 | 2965 | 1.533 | 1.200 | 22.621 |
| T-6-2 | 2966 | 214 51 50 | 33 35 47 | 14.184 | -1 53 0 | 14.176 | -161734.894 | -45881.080 | 2966 | 1.533 | 1.200 | 22.524 |
| T-6-2 | 2967 | 191 50 27 | 10 34 24 | 7.567 | -2 8 57 | 7.562 | -161739.268 | -45887.536 | 2967 | 1.533 | 1.200 | 22.706 |
| T-6-2 | 2968 | 197 19 45 | 16 3 42 | 6.920 | -2 20 12 | 6.914 | -161740.058 | -45887.011 | 2968 | 1.533 | 1.200 | 22.708 |
| T-6-2 | 2969 | 212 47 40 | 31 31 37 | 10.551 | -1 3 32 | 10.549 | -161737.710 | -45883.408 | 2969 | 1.533 | 1.200 | 22.795 |
| T-6-2 | 2970 | 236 12 4 | 54 56 1 | 5.314 | -2 56 45 | 5.307 | -161743.653 | -45884.580 | 2970 | 1.533 | 1.200 | 22.717 |
| T-6-2 | 2971 | 236 11 18 | 54 55 15 | 4.753 | -4 0 53 | 4.741 | -161743.977 | -45885.044 | 2971 | 1.533 | 1.200 | 22.657 |
| T-6-2 | 2972 | 235 10 0 | 53 53 57 | 2.651 | -12 27 10 | 2.589 | -161745.176 | -45886.832 | 2972 | 1.533 | 1.000 | 22.618 |
| T-6-2 | 2973 | 292 16 40 | 111 0 37 | 7.995 | -0 46 26 | 7.994 | -161749.568 | -45881.462 | 2973 | 1.533 | 1.000 | 23.082 |
| T-6-2 | 2974 | 320 4 44 | 138 48 41 | 18.786 | -3 47 13 | 18.745 | -161760.808 | -45876.580 | 2974 | 1.533 | 1.000 | 21.949 |
| T-6-2 | 2975 | 298 56 47 | 117 40 44 | 9.694 | -0 44 46 | 9.693 | -161751.204 | -45880.340 | 2975 | 1.533 | 1.000 | 23.063 |
| T-6-2 | 2976 | 146 47 35 | 325 31 32 | 17.238 | 0 17 4 | 17.238 | -161732.491 | -45898.681 | 2976 | 1.533 | 1.000 | 23.275 |
| T-6-2 | 2977 | 146 4 17 | 324 48 14 | 11.126 | -0 31 10 | 11.126 | -161737.610 | -45895.337 | 2977 | 1.533 | 1.000 | 23.089 |
| T-6-2 | 2978 | 144 38 49 | 323 22 46 | 6.621 | -2 27 25 | 6.615 | -161741.393 | -45892.870 | 2978 | 1.533 | 1.000 | 22.906 |
| T-6-2 | 2979 | 143 21 19 | 322 5 16 | 6.481 | -2 36 40 | 6.474 | -161741.594 | -45892.902 | 2979 | 1.533 | 1.000 | 22.894 |
| T-6-2 | 2980 | 133 22 37 | 312 6 34 | 6.711 | -2 23 46 | 6.705 | -161742.206 | -45893.898 | 2980 | 1.533 | 1.000 | 22.909 |
| T-6-2 | 2981 | 142 32 43 | 321 16 40 | 19.685 | 0 13 59 | 19.685 | -161731.344 | -45901.238 | 2981 | 1.533 | 1.000 | 23.270 |
| T-6-2 | 2982 | 138 39 13 | 317 23 10 | 11.537 | -0 52 30 | 11.536 | -161738.212 | -45896.735 | 2982 | 1.533 | 1.000 | 23.014 |
| T-6-2 | 2983 | 137 57 0 | 316 40 57 | 10.840 | -1 3 10 | 10.838 | -161738.816 | -45896.359 | 2983 | 1.533 | 1.000 | 22.991 |
| T-6-2 | 2984 | 130 8 44 | 308 52 41 | 6.191 | -3 25 45 | 6.180 | -161742.823 | -45893.735 | 2984 | 1.533 | 1.000 | 22.819 |
| T-6-2 | 2985 | 103 5 32 | 281 49 29 | 2.727 | -10 42 56 | 2.679 | -161746.153 | -45891.546 | 2985 | 1.533 | 1.000 | 22.683 |
| T-6-2 | 2986 | 349 5 19 | 167 49 16 | 5.366 | -8 10 37 | 5.311 | -161751.893 | -45887.804 | 2986 | 1.533 | 1.000 | 22.426 |
| T-6-2 | 2987 | 340 29 21 | 159 13 18 | 8.911 | -5 47 22 | 8.866 | -161754.991 | -45885.779 | 2987 | 1.533 | 1.000 | 22.291 |
| T-6-2 | 2988 | 339 32 22 | 158 16 19 | 9.607 | -5 27 48 | 9.563 | -161755.585 | -45885.384 | 2988 | 1.533 | 1.000 | 22.275 |
| T-6-2 | 2989 | 333 55 8 | 152 39 5 | 18.563 | -3 44 24 | 18.523 | -161763.154 | -45880.414 | 2989 | 1.533 | 1.000 | 21.979 |
| T-6-2 | 2990 | 332 1 2 | 150 44 59 | 24.399 | -3 6 13 | 24.363 | -161767.958 | -45877.020 | 2990 | 1.533 | 1.000 | 21.869 |
| T-6-2 | 2991 | 329 18 58 | 148 2 55 | 24.349 | -3 9 18 | 24.312 | -161767.330 | -45876.058 | 2991 | 1.533 | 1.000 | 21.850 |
| T-6-2 | 2992 | 329 0 47 | 147 44 44 | 24.220 | -3 11 30 | 24.182 | -161767.152 | -45876.019 | 2992 | 1.533 | 1.000 | 21.841 |
| T-6-2 | 2993 | 329 1 54 | 147 45 51 | 23.262 | -3 14 44 | 23.225 | -161766.347 | -45876.536 | 2993 | 1.533 | 1.000 | 21.873 |
| T-6-2 | 2994 | 329 22 42 | 148 6 39 | 23.124 | -3 13 51 | 23.087 | -161766.304 | -45876.728 | 2994 | 1.533 | 1.000 | 21.886 |

多角測量計算簿

路線名 L08170845

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-6-2 | 2995 | 332 0 56 | 150 44 53 | 23.158 | -3 9 7 | 23.123 | -161766.876 | -45877.625 | 2995 | 1.533 | 1.000 | 21.916 |
| T-6-2 | 2996 | 332 4 15 | 150 48 12 | 17.904 | -3 36 45 | 17.868 | -161762.300 | -45880.208 | 2996 | 1.533 | 1.000 | 22.062 |
| T-6-2 | 2997 | 329 44 58 | 148 28 55 | 17.890 | -3 38 43 | 17.854 | -161761.922 | -45879.591 | 2997 | 1.533 | 1.000 | 22.052 |
| T-6-2 | 2998 | 329 19 30 | 148 3 27 | 17.760 | -3 40 25 | 17.724 | -161761.742 | -45879.547 | 2998 | 1.533 | 1.000 | 22.052 |
| T-6-2 | 2999 | 330 1 30 | 148 45 27 | 11.401 | -4 39 24 | 11.363 | -161756.417 | -45883.030 | 2999 | 1.533 | 1.000 | 22.264 |
| T-6-2 | 3000 | 332 24 23 | 151 8 20 | 5.315 | -7 48 20 | 5.266 | -161751.314 | -45886.382 | 3000 | 1.533 | 1.000 | 22.468 |
| T-6-2 | 3001 | 128 48 34 | 307 32 31 | 1.299 | -22 11 23 | 1.203 | -161745.969 | -45889.878 | 3001 | 1.533 | 1.000 | 22.699 |
| T-6-2 | 3002 | 125 25 57 | 304 9 54 | 1.471 | -18 26 11 | 1.396 | -161745.918 | -45890.079 | 3002 | 1.533 | 1.000 | 22.724 |
| T-6-2 | 3003 | 97 12 4 | 275 56 1 | 2.051 | -13 4 20 | 1.998 | -161746.495 | -45890.911 | 3003 | 1.533 | 1.000 | 22.726 |
| T-6-2 | 3004 | 184 9 29 | 2 53 26 | 6.495 | -2 41 46 | 6.488 | -161740.222 | -45888.597 | 3004 | 1.533 | 1.000 | 22.884 |
| T-6-2 | 3005 | 181 13 29 | 359 57 26 | 6.272 | -3 8 36 | 6.263 | -161740.439 | -45888.929 | 3005 | 1.533 | 1.000 | 22.846 |
| T-6-2 | 3006 | 153 20 0 | 332 3 57 | 10.320 | -0 57 40 | 10.319 | -161737.585 | -45893.758 | 3006 | 1.533 | 1.000 | 23.017 |
| T-6-2 | 3007 | 154 56 53 | 333 40 50 | 16.762 | 0 1 14 | 16.762 | -161731.677 | -45896.356 | 3007 | 1.533 | 1.000 | 23.196 |
| T-6-2 | 3008 | 158 36 1 | 337 19 58 | 10.938 | -1 4 55 | 10.936 | -161736.610 | -45893.139 | 3008 | 1.533 | 1.000 | 22.983 |
| T-6-2 | 3009 | 167 40 19 | 346 24 16 | 5.970 | -3 38 7 | 5.958 | -161740.911 | -45890.325 | 3009 | 1.533 | 1.000 | 22.811 |
| T-6-2 | 3010 | 234 5 4 | 52 49 1 | 2.087 | -16 2 12 | 2.006 | -161745.489 | -45887.326 | 3010 | 1.533 | 1.000 | 22.613 |
| T-6-2 | 3011 | 309 14 59 | 127 58 56 | 6.299 | -7 19 18 | 6.248 | -161750.547 | -45883.999 | 3011 | 1.533 | 1.000 | 22.387 |
| T-6-2 | 3012 | 318 30 2 | 137 13 59 | 12.131 | -4 48 0 | 12.088 | -161755.576 | -45880.716 | 3012 | 1.533 | 1.000 | 22.175 |
| T-6-2 | 3013 | 321 55 4 | 140 39 1 | 18.749 | -3 47 9 | 18.708 | -161761.168 | -45877.062 | 3013 | 1.533 | 1.000 | 21.952 |
| T-6-2 | 3014 | 323 30 5 | 142 14 2 | 25.222 | -3 16 29 | 25.181 | -161766.608 | -45873.502 | 3014 | 1.533 | 1.000 | 21.749 |
| T-6-2 | 3015 | 324 17 49 | 143 1 46 | 30.565 | -3 0 12 | 30.523 | -161771.088 | -45870.567 | 3015 | 1.533 | 1.000 | 21.588 |
| T-6-2 | 3016 | 324 45 42 | 143 29 39 | 34.550 | -2 52 15 | 34.507 | -161774.438 | -45868.396 | 3016 | 1.533 | 1.000 | 21.459 |
| T-6-2 | t291 | 137 22 56 | 316 6 53 | 11.204 | -2 39 56 | 11.192 | -161738.635 | -45896.683 | t291 | 1.533 | 1.000 | 22.669 |
| T-6-2 | t292 | 163 6 42 | 341 50 39 | 3.125 | -8 0 9 | 3.095 | -161743.761 | -45889.888 | t292 | 1.533 | 1.000 | 22.755 |
| T-6-2 | t293 | 184 26 37 | 3 10 34 | 3.999 | -13 58 42 | 3.881 | -161742.827 | -45888.709 | t293 | 1.533 | 1.000 | 22.224 |
| T-6-2 | t294 | 188 3 38 | 6 47 35 | 4.089 | -6 30 32 | 4.063 | -161742.667 | -45888.443 | t294 | 1.533 | 1.000 | 22.726 |
| T-6-2 | t295 | 211 38 3 | 30 22 0 | 5.961 | -2 33 25 | 5.955 | -161741.564 | -45885.914 | t295 | 1.533 | 1.000 | 22.924 |
| T-6-2 | t296 | 341 9 51 | 159 53 48 | 9.337 | -7 57 28 | 9.247 | -161755.385 | -45885.746 | t296 | 1.533 | 1.000 | 21.897 |
| T-6-2 | 3017 | 303 7 56 | 121 51 53 | 14.323 | 15 21 26 | 13.812 | -161753.993 | -45877.194 | 3017 | 1.533 | 1.000 | 26.983 |
| T-6-2 | 3018 | 285 23 43 | 104 7 40 | 9.573 | 26 37 35 | 8.558 | -161748.791 | -45880.625 | 3018 | 1.533 | 1.000 | 27.480 |
| T-6-2 | 3019 | 270 19 56 | 89 3 53 | 12.388 | 18 9 7 | 11.771 | -161746.510 | -45877.155 | 3019 | 1.533 | 1.000 | 27.049 |
| T-6-2 | 3020 | 113 26 59 | 292 10 56 | 13.505 | -4 35 7 | 13.462 | -161741.619 | -45901.390 | 3020 | 1.533 | 1.000 | 22.110 |
| T-6-2 | 3021 | 116 11 29 | 294 55 26 | 13.085 | -4 47 2 | 13.039 | -161741.207 | -45900.749 | 3021 | 1.533 | 1.000 | 22.098 |
| T-6-2 | 3022 | 337 6 21 | 155 50 18 | 17.747 | -6 54 23 | 17.618 | -161762.776 | -45881.713 | 3022 | 1.533 | 1.000 | 21.056 |

多角測量計算簿

路線名 L08170845

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-6-2 | 3023 | 354 55 45 | 173 39 42 | 19.630 | -5 51 3 | 19.528 | -161766.110 | -45886.768 | 3023 | 1.533 | 1.000 | 21.189 |
| T-6-2 | 3024 | 144 33 30 | 323 17 27 | 18.626 | 0 59 56 | 18.623 | -161731.772 | -45900.056 | 3024 | 1.533 | 1.000 | 23.514 |
| T-6-3 | T-6 | | 261 43 42 | | | | -161783.314 | -45865.376 | T-6-3 | | | 21.213 |
| T-6-3 | 3025 | 60 16 12 | 321 59 54 | 18.703 | 0 6 3 | 18.703 | -161768.576 | -45876.891 | 3025 | 1.535 | 1.000 | 21.781 |
| T-6-3 | 3026 | 59 18 59 | 321 2 41 | 15.662 | -0 15 5 | 15.662 | -161771.135 | -45875.223 | 3026 | 1.535 | 1.000 | 21.679 |
| T-6-3 | 3027 | 59 3 38 | 320 47 20 | 15.021 | -0 22 43 | 15.021 | -161771.675 | -45874.872 | 3027 | 1.535 | 1.000 | 21.648 |
| T-6-3 | 3028 | 58 41 24 | 320 25 6 | 14.288 | -0 28 22 | 14.288 | -161772.302 | -45874.480 | 3028 | 1.535 | 1.000 | 21.630 |
| T-6-3 | 3029 | 58 24 27 | 320 8 9 | 13.612 | -0 32 11 | 13.611 | -161772.867 | -45874.101 | 3029 | 1.535 | 1.000 | 21.620 |
| T-6-3 | 3030 | 58 12 53 | 319 56 35 | 13.032 | -0 36 55 | 13.031 | -161773.340 | -45873.762 | 3030 | 1.535 | 1.000 | 21.608 |
| T-6-3 | 3031 | 58 34 49 | 320 18 31 | 12.397 | -0 45 18 | 12.396 | -161773.775 | -45873.293 | 3031 | 1.535 | 1.000 | 21.584 |
| T-6-3 | 3032 | 59 26 7 | 321 9 49 | 11.771 | -0 54 56 | 11.769 | -161774.147 | -45872.757 | 3032 | 1.535 | 1.000 | 21.560 |
| T-6-3 | 3033 | 60 42 22 | 322 26 4 | 11.201 | -1 4 32 | 11.199 | -161774.437 | -45872.204 | 3033 | 1.535 | 1.000 | 21.537 |
| T-6-3 | 3034 | 62 35 37 | 324 19 19 | 10.659 | -1 14 51 | 10.656 | -161774.658 | -45871.591 | 3034 | 1.535 | 1.000 | 21.516 |
| T-6-3 | 3035 | 65 45 4 | 327 28 46 | 10.367 | -1 15 10 | 10.365 | -161774.574 | -45870.949 | 3035 | 1.535 | 1.000 | 21.521 |
| T-6-3 | 3036 | 68 31 28 | 330 15 10 | 10.018 | -1 21 41 | 10.015 | -161774.619 | -45870.345 | 3036 | 1.535 | 1.000 | 21.510 |
| T-6-3 | 3037 | 71 48 43 | 333 32 25 | 9.761 | -1 32 13 | 9.757 | -161774.579 | -45869.724 | 3037 | 1.535 | 1.000 | 21.486 |
| T-6-3 | 3038 | 78 34 5 | 340 17 47 | 9.382 | -1 40 54 | 9.378 | -161774.485 | -45868.538 | 3038 | 1.535 | 1.000 | 21.472 |
| T-6-3 | 3039 | 82 8 13 | 343 51 55 | 7.455 | -2 43 31 | 7.447 | -161776.160 | -45867.446 | 3039 | 1.535 | 1.000 | 21.393 |
| T-6-3 | 3040 | 115 38 58 | 17 22 40 | 12.804 | -1 20 28 | 12.800 | -161771.098 | -45861.553 | 3040 | 1.535 | 1.000 | 21.448 |
| T-6-3 | 3041 | 85 16 18 | 347 0 0 | 8.669 | -2 5 33 | 8.663 | -161774.873 | -45867.325 | 3041 | 1.535 | 1.000 | 21.431 |
| T-6-3 | 3042 | 74 10 6 | 335 53 48 | 18.708 | 0 11 24 | 18.708 | -161766.237 | -45873.016 | 3042 | 1.535 | 1.000 | 21.810 |
| T-6-3 | 3043 | 79 57 34 | 341 41 16 | 11.356 | -1 9 7 | 11.354 | -161772.535 | -45868.944 | 3043 | 1.535 | 1.000 | 21.519 |
| T-6-3 | 3044 | 82 53 51 | 344 37 33 | 9.565 | -1 40 20 | 9.561 | -161774.095 | -45867.911 | 3044 | 1.535 | 1.000 | 21.469 |
| T-6-3 | 3045 | 92 11 37 | 353 55 19 | 10.232 | -1 37 28 | 10.228 | -161773.143 | -45866.459 | 3045 | 1.535 | 1.000 | 21.458 |
| T-6-3 | 3046 | 113 44 9 | 15 27 51 | 13.766 | -1 13 50 | 13.763 | -161770.049 | -45861.707 | 3046 | 1.535 | 1.000 | 21.452 |
| T-6-3 | 3047 | 121 53 25 | 23 37 7 | 6.455 | -4 10 18 | 6.438 | -161777.415 | -45862.797 | 3047 | 1.535 | 1.000 | 21.278 |
| T-6-3 | 3048 | 119 25 34 | 21 9 16 | 6.056 | -4 31 26 | 6.037 | -161777.684 | -45863.198 | 3048 | 1.535 | 1.000 | 21.270 |
| T-6-3 | 3049 | 107 13 16 | 8 56 58 | 4.979 | -5 44 29 | 4.954 | -161778.420 | -45864.606 | 3049 | 1.535 | 1.000 | 21.250 |
| T-6-3 | 3050 | 106 13 27 | 7 57 9 | 5.052 | -5 41 30 | 5.027 | -161778.335 | -45864.681 | 3050 | 1.535 | 1.000 | 21.247 |
| T-6-3 | 3051 | 93 21 35 | 355 5 17 | 4.310 | -6 23 45 | 4.283 | -161779.047 | -45865.743 | 3051 | 1.535 | 1.000 | 21.268 |
| T-6-3 | 3052 | 98 15 4 | 359 58 46 | 3.735 | -7 25 1 | 3.704 | -161779.610 | -45865.378 | 3052 | 1.535 | 1.000 | 21.266 |
| T-6-3 | 3053 | 103 1 33 | 4 45 15 | 3.951 | -7 4 14 | 3.921 | -161779.406 | -45865.051 | 3053 | 1.535 | 1.000 | 21.261 |
| T-6-3 | 3054 | 196 27 35 | 98 11 17 | 3.264 | -11 45 49 | 3.195 | -161783.769 | -45862.214 | 3054 | 1.535 | 1.000 | 21.082 |

多角測量計算簿

路線名 L08170845

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-6-3 | 3055 | 227 33 56 | 129 17 38 | 8.057 | -5 59 38 | 8.013 | -161788.389 | -45859.175 | 3055 | 1.535 | 1.000 | 20.906 |
| T-6-3 | 3056 | 235 16 54 | 137 0 36 | 14.407 | -4 9 22 | 14.369 | -161793.824 | -45855.578 | 3056 | 1.535 | 1.000 | 20.704 |
| T-6-3 | 3057 | 237 43 3 | 139 26 45 | 19.348 | -3 35 30 | 19.310 | -161797.986 | -45852.822 | 3057 | 1.535 | 1.000 | 20.536 |
| T-6-3 | 3058 | 238 57 44 | 140 41 26 | 23.850 | -3 16 39 | 23.811 | -161801.737 | -45850.292 | 3058 | 1.535 | 1.000 | 20.384 |
| T-6-3 | 3059 | 248 31 4 | 150 14 46 | 23.944 | -3 11 50 | 23.907 | -161804.069 | -45853.512 | 3059 | 1.535 | 1.000 | 20.412 |
| T-6-3 | 3060 | 248 37 26 | 150 21 8 | 23.210 | -3 13 36 | 23.173 | -161803.453 | -45853.913 | 3060 | 1.535 | 1.000 | 20.441 |
| T-6-3 | 3061 | 249 35 21 | 151 19 3 | 19.193 | -3 29 18 | 19.157 | -161800.120 | -45856.182 | 3061 | 1.535 | 1.000 | 20.580 |
| T-6-3 | 3062 | 252 38 38 | 154 22 20 | 11.992 | -4 26 2 | 11.956 | -161794.094 | -45860.205 | 3062 | 1.535 | 1.000 | 20.821 |
| T-6-3 | 3063 | 254 31 51 | 156 15 33 | 9.583 | -5 4 20 | 9.545 | -161792.051 | -45861.533 | 3063 | 1.535 | 1.000 | 20.901 |
| T-6-3 | 3064 | 264 55 31 | 166 39 13 | 4.774 | -8 36 18 | 4.720 | -161787.907 | -45864.287 | 3064 | 1.535 | 1.000 | 21.033 |
| T-6-3 | 3065 | 268 17 58 | 170 1 40 | 4.109 | -9 32 10 | 4.052 | -161787.305 | -45864.675 | 3065 | 1.535 | 1.000 | 21.067 |
| T-6-3 | 3066 | 283 27 59 | 185 11 41 | 2.669 | -13 34 55 | 2.594 | -161785.897 | -45865.611 | 3066 | 1.535 | 1.000 | 21.121 |
| T-6-3 | 3067 | 293 28 43 | 195 12 25 | 2.209 | -16 22 24 | 2.119 | -161785.359 | -45865.932 | 3067 | 1.535 | 1.000 | 21.125 |
| T-6-3 | 3068 | 328 57 2 | 230 40 44 | 1.544 | -22 13 58 | 1.429 | -161784.219 | -45866.482 | 3068 | 1.535 | 1.000 | 21.164 |
| T-6-3 | 3069 | 23 48 17 | 285 31 59 | 1.438 | -23 6 36 | 1.323 | -161782.960 | -45866.651 | 3069 | 1.535 | 1.000 | 21.183 |
| T-6-3 | 3070 | 63 4 7 | 324 47 49 | 2.047 | -15 20 48 | 1.974 | -161781.701 | -45866.514 | 3070 | 1.535 | 1.000 | 21.206 |
| T-6-3 | 3071 | 85 36 42 | 347 20 24 | 2.886 | -10 18 34 | 2.839 | -161780.544 | -45865.998 | 3071 | 1.535 | 1.000 | 21.231 |
| T-6-3 | 3072 | 100 36 12 | 2 19 54 | 3.790 | -7 33 37 | 3.757 | -161779.560 | -45865.223 | 3072 | 1.535 | 1.000 | 21.249 |
| T-6-3 | 3073 | 136 26 19 | 38 10 1 | 11.002 | -1 51 35 | 10.996 | -161774.669 | -45858.581 | 3073 | 1.535 | 1.000 | 21.391 |
| T-6-3 | 3074 | 136 26 19 | 38 10 1 | 11.002 | -1 51 36 | 10.996 | -161774.669 | -45858.581 | 3074 | 1.535 | 1.000 | 21.391 |
| T-6-3 | t297 | 137 29 17 | 39 12 59 | 10.928 | -3 40 9 | 10.906 | -161774.864 | -45858.481 | t297 | 1.535 | 1.000 | 21.048 |
| T-6-3 | t298 | 151 46 25 | 53 30 7 | 9.847 | -1 59 19 | 9.841 | -161777.461 | -45857.465 | t298 | 1.535 | 1.000 | 21.406 |
| T-6-3 | t299 | 151 0 13 | 52 43 55 | 3.106 | -9 32 21 | 3.063 | -161781.459 | -45862.939 | t299 | 1.535 | 1.000 | 21.233 |
| T-6-3 | t300 | 111 53 9 | 13 36 51 | 5.103 | -9 29 4 | 5.033 | -161778.422 | -45864.192 | t300 | 1.535 | 1.000 | 20.907 |
| T-6-3 | t301 | 107 48 55 | 9 32 37 | 4.758 | -11 56 51 | 4.655 | -161778.723 | -45864.604 | t301 | 1.535 | 1.000 | 20.763 |
| T-6-3 | 3075 | 359 59 57 | 261 43 39 | 0.000 | 90 0 0 | 0.000 | -161783.314 | -45865.376 | 3075 | 1.535 | 1.000 | 21.748 |
| T-6-3 | t302 | 104 36 53 | 6 20 35 | 4.318 | -11 55 20 | 4.225 | -161779.115 | -45864.909 | t302 | 1.535 | 1.000 | 20.856 |
| T-6-3 | t303 | 228 44 37 | 130 28 19 | 9.596 | -7 40 28 | 9.510 | -161789.487 | -45858.142 | t303 | 1.535 | 1.000 | 20.466 |
| T-6-3 | t304 | 240 9 15 | 141 52 57 | 9.821 | -4 59 54 | 9.784 | -161791.011 | -45859.337 | t304 | 1.535 | 1.000 | 20.892 |
| T-6-3 | t305 | 241 53 1 | 143 36 43 | 21.391 | -3 16 8 | 21.356 | -161800.506 | -45852.707 | t305 | 1.535 | 1.000 | 20.528 |
| T-6-3 | t306 | 237 43 2 | 139 26 44 | 21.388 | -4 28 44 | 21.323 | -161799.515 | -45851.513 | t306 | 1.535 | 1.000 | 20.078 |
| T-6-3 | t307 | 237 1 47 | 138 45 29 | 21.441 | -3 25 14 | 21.403 | -161799.408 | -45851.267 | t307 | 1.535 | 1.000 | 20.468 |
| T-6-3 | t308 | 226 13 53 | 127 57 35 | 13.858 | 2 47 37 | 13.842 | -161791.828 | -45854.463 | t308 | 1.535 | 1.000 | 22.423 |
| T-6-3 | t309 | 268 53 24 | 170 37 6 | 4.610 | -13 15 8 | 4.487 | -161787.741 | -45864.645 | t309 | 1.535 | 1.000 | 20.691 |

多角測量計算簿

路線名 L08170845

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-6-3 | t310 | 131 38 2 | 33 21 44 | 1.619 | -19 38 37 | 1.525 | -161782.040 | -45864.538 | t310 | 1.535 | 1.000 | 21.203 |
| T-6-3 | t311 | 124 46 50 | 26 30 32 | 12.036 | -1 17 19 | 12.033 | -161772.546 | -45860.006 | t311 | 1.535 | 1.000 | 21.477 |
| T-6-3 | t312 | 88 51 55 | 350 35 37 | 6.152 | -3 34 20 | 6.140 | -161777.257 | -45866.380 | t312 | 1.535 | 1.000 | 21.364 |
| T-6-3 | t313 | 87 7 41 | 348 51 23 | 9.403 | -7 27 22 | 9.323 | -161774.167 | -45867.178 | t313 | 1.535 | 1.000 | 20.528 |
| T-6-3 | t314 | 115 43 50 | 17 27 32 | 13.636 | -4 49 51 | 13.588 | -161770.352 | -45861.300 | t314 | 1.535 | 1.000 | 20.599 |
| T-6-3 | t315 | 105 31 55 | 7 15 37 | 13.148 | 1 19 8 | 13.145 | -161770.274 | -45863.715 | t315 | 1.535 | 1.000 | 22.050 |
| T-6-3 | t316 | 69 40 19 | 331 24 1 | 12.776 | -0 41 20 | 12.775 | -161772.098 | -45871.492 | t316 | 1.535 | 1.000 | 21.594 |
| T-6-3 | t317 | 77 59 54 | 339 43 36 | 14.149 | 1 2 58 | 14.147 | -161770.043 | -45870.278 | t317 | 1.535 | 1.000 | 22.007 |
| T-6-3 | t318 | 80 52 35 | 342 36 17 | 9.501 | -4 48 46 | 9.468 | -161774.279 | -45868.207 | t318 | 1.535 | 1.000 | 20.951 |
| T-6-3 | t319 | 71 36 2 | 333 19 44 | 22.778 | -0 57 26 | 22.775 | -161762.962 | -45875.599 | t319 | 1.535 | 1.000 | 21.367 |
| T-6-3 | t320 | 72 30 50 | 334 14 32 | 22.867 | 0 19 57 | 22.867 | -161762.719 | -45875.314 | t320 | 1.535 | 1.000 | 21.880 |
| T-6-3 | t321 | 67 49 0 | 329 32 42 | 21.704 | 0 20 56 | 21.704 | -161764.605 | -45876.377 | t321 | 1.535 | 1.000 | 21.880 |
| T-6-3 | t322 | 58 14 13 | 319 57 55 | 14.663 | -1 42 29 | 14.656 | -161772.093 | -45874.804 | t322 | 1.535 | 1.000 | 21.311 |
| T-6-3 | t323 | 81 4 27 | 342 48 9 | 9.429 | -6 18 32 | 9.372 | -161774.361 | -45868.147 | t323 | 1.535 | 1.200 | 20.512 |
| T-6-3 | t324 | 83 22 16 | 345 5 58 | 8.399 | -7 10 14 | 8.333 | -161775.261 | -45867.519 | t324 | 1.535 | 1.200 | 20.499 |
| T-6-3 | 3076 | 80 22 17 | 342 5 59 | 8.961 | -6 38 58 | 8.901 | -161774.844 | -45868.112 | 3076 | 1.535 | 1.200 | 20.510 |
| T-6-3 | 3077 | 82 2 2 | 343 45 44 | 8.084 | -7 27 18 | 8.016 | -161775.618 | -45867.618 | 3077 | 1.535 | 1.200 | 20.499 |
| T-6-3 | 3078 | 74 28 4 | 336 11 46 | 10.587 | -0 5 2 | 10.587 | -161773.628 | -45869.649 | 3078 | 1.535 | 1.200 | 21.532 |
| T-6-3 | 3079 | 78 34 6 | 340 17 48 | 5.266 | -1 57 53 | 5.263 | -161778.359 | -45867.151 | 3079 | 1.535 | 1.200 | 21.367 |
| T-6-3 | 3080 | 111 14 17 | 12 57 59 | 6.356 | -2 10 57 | 6.351 | -161777.125 | -45863.951 | 3080 | 1.535 | 1.200 | 21.306 |
| T-6-3 | 3081 | 112 23 20 | 14 7 2 | 2.386 | -7 54 35 | 2.363 | -161781.022 | -45864.800 | 3081 | 1.535 | 1.200 | 21.219 |
| T-6-3 | 3082 | 112 23 19 | 14 7 1 | 2.386 | -7 54 34 | 2.363 | -161781.022 | -45864.800 | 3082 | 1.535 | 1.200 | 21.219 |
| T-6-3 | 3083 | 112 23 19 | 14 7 1 | 2.392 | -7 54 35 | 2.369 | -161781.017 | -45864.798 | 3083 | 1.535 | 1.200 | 21.219 |
| T-6-3 | 3084 | 177 24 7 | 79 7 49 | 5.988 | 0 49 54 | 5.987 | -161782.185 | -45859.497 | 3084 | 1.535 | 1.200 | 21.635 |
| T-6-3 | 3085 | 174 53 0 | 76 36 42 | 5.891 | -2 7 15 | 5.887 | -161781.951 | -45859.649 | 3085 | 1.535 | 1.200 | 21.330 |
| T-6-3 | 3086 | 175 15 5 | 76 58 47 | 5.466 | -2 19 28 | 5.462 | -161782.083 | -45860.055 | 3086 | 1.535 | 1.200 | 21.326 |
| T-6-3 | 3087 | 188 22 33 | 90 6 15 | 3.485 | -7 25 35 | 3.456 | -161783.320 | -45861.920 | 3087 | 1.535 | 1.200 | 21.097 |
| T-6-3 | 3088 | 210 58 18 | 112 42 0 | 5.194 | -5 53 42 | 5.167 | -161785.308 | -45860.610 | 3088 | 1.535 | 1.200 | 21.014 |
| T-6-3 | 3089 | 224 56 51 | 126 40 33 | 8.487 | -4 27 17 | 8.461 | -161788.368 | -45858.590 | 3089 | 1.535 | 1.200 | 20.889 |
| T-6-3 | 3090 | 203 11 10 | 104 54 52 | 5.735 | -0 28 35 | 5.735 | -161784.790 | -45859.834 | 3090 | 1.535 | 1.200 | 21.500 |
| T-6-3 | 3091 | 217 45 37 | 119 29 19 | 8.957 | -2 35 42 | 8.948 | -161787.719 | -45857.587 | 3091 | 1.535 | 1.200 | 21.142 |
| T-6-3 | 3092 | 217 45 37 | 119 29 19 | 8.968 | -1 0 23 | 8.967 | -161787.728 | -45857.571 | 3092 | 1.535 | 1.200 | 21.390 |
| T-6-3 | 3093 | 217 45 37 | 119 29 19 | 11.176 | -0 47 22 | 11.175 | -161788.815 | -45855.649 | 3093 | 1.535 | 1.200 | 21.394 |
| T-6-3 | 3094 | 228 39 8 | 130 22 50 | 10.355 | -1 42 19 | 10.350 | -161790.019 | -45857.492 | 3094 | 1.535 | 1.200 | 21.240 |

多角測量計算簿

路線名 L08170845

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|---------|-----------|-----------|--------|-----------|--------|-------------|------------|---------|-------|-------|--------|
| T-6-3 | 3095 | 236 11 25 | 137 55 7 | 19.335 | -3 1 24 | 19.308 | -161797.644 | -45852.436 | 3095 | 1.535 | 1.200 | 20.528 |
| T-6-3 | 3096 | 217 37 52 | 119 21 34 | 8.430 | -7 31 0 | 8.358 | -161787.412 | -45858.092 | 3096 | 1.535 | 1.200 | 20.445 |
| T-6-3 | 3097 | 192 46 1 | 94 29 43 | 7.078 | -7 27 58 | 7.018 | -161783.864 | -45858.380 | 3097 | 1.535 | 1.200 | 20.628 |
| T-6-3 | 3098 | 168 33 8 | 70 16 50 | 9.875 | -4 25 48 | 9.845 | -161779.992 | -45856.109 | 3098 | 1.535 | 1.200 | 20.785 |
| T-6-3 | T-6-3-1 | 245 2 21 | 146 46 3 | 23.464 | -4 18 9 | 23.398 | -161802.885 | -45852.553 | T-6-3-1 | 1.535 | 0.500 | 20.487 |
| T-6-3 | 3099 | 247 39 45 | 149 23 27 | 23.806 | -3 0 15 | 23.773 | -161803.774 | -45853.272 | 3099 | 1.535 | 1.000 | 20.500 |
| T-6-3 | 3100 | 245 13 52 | 146 57 34 | 23.779 | -3 4 3 | 23.745 | -161803.219 | -45852.430 | 3100 | 1.535 | 1.000 | 20.475 |
| T-6-3 | 3101 | 244 54 0 | 146 37 42 | 23.908 | -3 4 25 | 23.874 | -161803.252 | -45852.244 | 3101 | 1.535 | 1.000 | 20.466 |
| T-6-3 | 3102 | 244 44 42 | 146 28 24 | 28.799 | -2 57 58 | 28.760 | -161807.289 | -45849.491 | 3102 | 1.535 | 1.000 | 20.258 |
| T-6-3 | 3103 | 249 7 13 | 150 50 55 | 18.574 | -3 20 29 | 18.542 | -161799.507 | -45856.344 | 3103 | 1.535 | 1.000 | 20.665 |
| T-6-3 | 3104 | 245 34 47 | 147 18 29 | 18.545 | -3 29 12 | 18.511 | -161798.893 | -45855.378 | 3104 | 1.535 | 1.000 | 20.620 |
| T-6-3 | 3105 | 245 5 19 | 146 49 1 | 18.379 | -3 33 32 | 18.344 | -161798.667 | -45855.336 | 3105 | 1.535 | 1.000 | 20.607 |
| T-6-3 | 3106 | 245 13 24 | 146 57 6 | 16.345 | -3 43 28 | 16.310 | -161796.985 | -45856.482 | 3106 | 1.535 | 1.000 | 20.686 |
| T-6-3 | 3107 | 245 19 29 | 147 3 11 | 12.657 | -4 13 6 | 12.623 | -161793.907 | -45858.511 | 3107 | 1.535 | 1.000 | 20.817 |
| T-6-3 | 3108 | 246 2 12 | 147 45 54 | 12.505 | -4 12 11 | 12.471 | -161793.863 | -45858.724 | 3108 | 1.535 | 1.000 | 20.831 |
| T-6-3 | 3109 | 251 17 11 | 153 0 53 | 12.570 | -3 52 35 | 12.541 | -161794.490 | -45859.686 | 3109 | 1.535 | 1.000 | 20.898 |
| T-6-3 | 3110 | 254 9 6 | 155 52 48 | 7.352 | -5 32 20 | 7.318 | -161789.993 | -45862.386 | 3110 | 1.535 | 1.000 | 21.038 |
| T-6-3 | 3111 | 246 42 20 | 148 26 2 | 7.266 | -5 51 31 | 7.228 | -161789.472 | -45861.593 | 3111 | 1.535 | 1.000 | 21.006 |
| T-6-3 | 3112 | 245 35 36 | 147 19 18 | 7.138 | -5 56 13 | 7.100 | -161789.290 | -45861.543 | 3112 | 1.535 | 1.000 | 21.009 |
| T-6-3 | 3113 | 246 17 50 | 148 1 32 | 4.454 | -8 37 11 | 4.404 | -161787.050 | -45863.044 | 3113 | 1.535 | 1.000 | 21.080 |
| T-6-3 | 3114 | 247 6 21 | 148 50 3 | 2.291 | -15 16 59 | 2.210 | -161785.205 | -45864.233 | 3114 | 1.535 | 1.000 | 21.144 |
| T-6-3 | 3115 | 252 2 4 | 153 45 46 | 2.125 | -15 54 32 | 2.044 | -161785.147 | -45864.473 | 3115 | 1.535 | 1.000 | 21.165 |
| T-6-3 | 3116 | 279 14 40 | 180 58 22 | 2.534 | -12 49 13 | 2.471 | -161785.785 | -45865.418 | 3116 | 1.535 | 1.000 | 21.185 |
| T-6-3 | 3117 | 261 19 35 | 163 3 17 | 35.530 | -2 16 28 | 35.502 | -161817.275 | -45855.029 | 3117 | 1.535 | 1.000 | 20.338 |
| T-6-3 | 3118 | 263 42 57 | 165 26 39 | 31.578 | -2 20 49 | 31.552 | -161813.853 | -45857.446 | 3118 | 1.535 | 1.000 | 20.455 |
| T-6-3 | 3119 | 263 21 5 | 165 4 47 | 31.706 | -1 57 1 | 31.688 | -161813.934 | -45857.217 | 3119 | 1.535 | 1.000 | 20.669 |
| T-6-3 | 3120 | 264 14 46 | 165 58 28 | 30.410 | -1 57 19 | 30.392 | -161812.800 | -45858.011 | 3120 | 1.535 | 1.000 | 20.710 |
| T-6-3 | 3121 | 264 21 3 | 166 4 45 | 30.620 | -2 20 23 | 30.594 | -161813.009 | -45858.016 | 3121 | 1.535 | 1.000 | 20.498 |
| T-6-3 | 3122 | 268 25 24 | 170 9 6 | 25.765 | -2 25 8 | 25.742 | -161808.677 | -45860.973 | 3122 | 1.535 | 1.000 | 20.660 |
| T-6-3 | 3123 | 272 23 55 | 174 7 37 | 22.378 | -2 33 45 | 22.356 | -161805.553 | -45863.089 | 3123 | 1.535 | 1.000 | 20.747 |
| T-6-3 | 3124 | 271 51 7 | 173 34 49 | 22.477 | -2 2 15 | 22.463 | -161805.636 | -45862.865 | 3124 | 1.535 | 1.000 | 20.949 |
| T-6-3 | 3125 | 273 33 21 | 175 17 3 | 21.270 | -2 2 15 | 21.257 | -161804.499 | -45863.629 | 3125 | 1.535 | 1.000 | 20.992 |
| T-6-3 | 3126 | 273 40 43 | 175 24 25 | 21.495 | -2 33 55 | 21.473 | -161804.718 | -45863.657 | 3126 | 1.535 | 1.000 | 20.786 |
| T-6-3 | 3127 | 282 57 27 | 184 41 9 | 16.840 | -2 44 12 | 16.821 | -161800.079 | -45866.750 | 3127 | 1.535 | 1.000 | 20.944 |

多 角 測 量 計 算 簿

路線名 L08170845

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|---------|-------|-----------|-----------|--------|-----------|--------|-------------|------------|---------|-------|-------|--------|
| T-6-3 | 3128 | 302 46 16 | 204 29 58 | 12.257 | -2 46 37 | 12.243 | -161794.455 | -45870.453 | 3128 | 1.535 | 1.000 | 21.154 |
| T-6-3 | 3129 | 331 30 56 | 233 14 38 | 10.389 | -2 17 25 | 10.381 | -161789.526 | -45873.693 | 3129 | 1.535 | 1.000 | 21.333 |
| T-6-3 | 3130 | 334 29 11 | 236 12 53 | 10.129 | -2 5 39 | 10.122 | -161788.943 | -45873.789 | 3130 | 1.535 | 1.000 | 21.378 |
| T-6-3 | 3131 | 335 41 59 | 237 25 41 | 9.598 | -2 14 2 | 9.591 | -161788.477 | -45873.459 | 3131 | 1.535 | 1.000 | 21.374 |
| T-6-3 | 3132 | 334 26 43 | 236 10 25 | 9.057 | -2 26 38 | 9.049 | -161788.351 | -45872.894 | 3132 | 1.535 | 1.000 | 21.362 |
| T-6-3 | 3133 | 330 50 39 | 232 34 21 | 8.876 | -2 38 23 | 8.867 | -161788.703 | -45872.418 | 3133 | 1.535 | 1.000 | 21.339 |
| T-6-3 | 3134 | 296 17 23 | 198 1 5 | 11.361 | -3 4 30 | 11.345 | -161794.103 | -45868.885 | 3134 | 1.535 | 1.000 | 21.138 |
| T-6-3 | 3135 | 277 33 45 | 179 17 27 | 16.419 | -2 49 21 | 16.399 | -161799.712 | -45865.173 | 3135 | 1.535 | 1.000 | 20.939 |
| T-6-3 | 3136 | 268 44 13 | 170 27 55 | 21.813 | -2 38 57 | 21.790 | -161804.803 | -45861.767 | 3136 | 1.535 | 1.000 | 20.740 |
| T-6-3 | 3137 | 263 24 18 | 165 8 0 | 27.517 | -2 30 42 | 27.491 | -161809.885 | -45858.323 | 3137 | 1.535 | 1.000 | 20.542 |
| T-6-3 | 3138 | 343 55 56 | 245 39 38 | 24.717 | 11 37 3 | 24.211 | -161793.292 | -45887.435 | 3138 | 1.535 | 1.000 | 26.725 |
| T-6-3-1 | T-6-3 | | 326 46 3 | | | | -161802.885 | -45852.553 | T-6-3-1 | | | 20.487 |
| T-6-3-1 | 3139 | 40 16 21 | 7 2 24 | 4.616 | -5 43 37 | 4.593 | -161798.327 | -45851.990 | 3139 | 1.479 | 1.000 | 20.506 |
| T-6-3-1 | 3140 | 53 39 37 | 20 25 40 | 5.908 | -1 31 43 | 5.906 | -161797.351 | -45850.492 | 3140 | 1.479 | 1.000 | 20.809 |
| T-6-3-1 | 3141 | 47 59 36 | 14 45 39 | 6.418 | -0 53 56 | 6.417 | -161796.680 | -45850.918 | 3141 | 1.479 | 1.000 | 20.866 |
| T-6-3-1 | 3142 | 85 40 9 | 52 26 12 | 4.782 | -2 40 13 | 4.777 | -161799.973 | -45848.767 | 3142 | 1.479 | 1.000 | 20.744 |
| T-6-3-1 | 3143 | 80 11 10 | 46 57 13 | 4.841 | -2 57 1 | 4.835 | -161799.585 | -45849.020 | 3143 | 1.479 | 1.000 | 20.717 |
| T-6-3-1 | 3144 | 74 49 55 | 41 35 58 | 3.165 | -9 56 48 | 3.117 | -161800.554 | -45850.484 | 3144 | 1.479 | 1.000 | 20.420 |
| T-6-3-1 | 3145 | 92 41 50 | 59 27 53 | 3.077 | -10 46 23 | 3.023 | -161801.349 | -45849.949 | 3145 | 1.479 | 1.000 | 20.391 |
| T-6-3-1 | 3146 | 91 38 43 | 58 24 46 | 4.641 | 5 36 13 | 4.619 | -161800.466 | -45848.619 | 3146 | 1.479 | 1.000 | 21.420 |
| T-6-3-1 | 3147 | 85 30 57 | 52 17 0 | 4.612 | 0 57 56 | 4.611 | -161800.064 | -45848.906 | 3147 | 1.479 | 1.000 | 21.044 |
| T-6-3-1 | 3148 | 87 21 4 | 54 7 7 | 7.598 | 1 19 3 | 7.596 | -161798.433 | -45846.399 | 3148 | 1.479 | 1.000 | 21.141 |
| T-6-3-1 | 3149 | 70 20 14 | 37 6 17 | 12.890 | 0 4 39 | 12.890 | -161792.605 | -45844.777 | 3149 | 1.479 | 1.000 | 20.984 |
| T-6-3-1 | 3150 | 78 7 59 | 44 54 2 | 7.816 | 1 37 19 | 7.813 | -161797.351 | -45847.038 | 3150 | 1.479 | 1.000 | 21.188 |
| T-6-3-1 | 3151 | 81 48 3 | 48 34 6 | 7.819 | 1 37 7 | 7.816 | -161797.713 | -45846.693 | 3151 | 1.479 | 1.000 | 21.187 |
| T-6-3-1 | 3152 | 65 41 12 | 32 27 15 | 10.484 | 2 21 24 | 10.475 | -161794.046 | -45846.932 | 3152 | 1.479 | 1.000 | 21.398 |
| T-6-3-1 | 3153 | 77 44 9 | 44 30 12 | 9.832 | 2 36 42 | 9.822 | -161795.880 | -45845.669 | 3153 | 1.479 | 1.000 | 21.414 |
| T-6-3-1 | 3154 | 60 53 2 | 27 39 5 | 4.676 | -3 48 38 | 4.666 | -161798.752 | -45850.388 | 3154 | 1.479 | 1.000 | 20.656 |
| T-6-3-1 | 3155 | 53 3 48 | 19 49 51 | 5.056 | -3 8 57 | 5.048 | -161798.137 | -45850.841 | 3155 | 1.479 | 1.000 | 20.689 |
| T-6-3-1 | t325 | 72 40 50 | 39 26 53 | 10.053 | 2 32 7 | 10.043 | -161795.130 | -45846.172 | t325 | 1.479 | 1.000 | 21.411 |
| T-6-4 | T-6 | | 304 49 51 | | | | -161820.346 | -45839.555 | T-6-4 | | | 19.648 |
| T-6-4 | 3156 | 17 0 37 | 321 50 28 | 37.291 | 1 15 13 | 37.282 | -161791.032 | -45862.589 | 3156 | 1.490 | 1.000 | 20.954 |

多 角 測 量 計 算 簿

路線名 L08170845

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|---------|--------|-------------|------------|------|-------|-------|--------|
| T-6-4 | 3157 | 321 22 53 | 266 12 44 | 12.714 | 0 30 15 | 12.714 | -161821.186 | -45852.241 | 3157 | 1.490 | 1.000 | 20.250 |
| T-6-4 | 3158 | 342 0 13 | 286 50 4 | 15.263 | 0 52 25 | 15.261 | -161815.927 | -45854.162 | 3158 | 1.490 | 1.000 | 20.371 |
| T-6-4 | 3159 | 351 56 0 | 296 45 51 | 19.891 | 1 8 12 | 19.887 | -161811.391 | -45857.311 | 3159 | 1.490 | 1.000 | 20.532 |
| T-6-4 | 3160 | 12 57 45 | 317 47 36 | 20.823 | 0 55 36 | 20.820 | -161804.925 | -45853.542 | 3160 | 1.490 | 1.000 | 20.475 |
| T-6-4 | 3161 | 13 13 40 | 318 3 31 | 21.509 | 0 54 57 | 21.506 | -161804.350 | -45853.929 | 3161 | 1.490 | 1.000 | 20.482 |

多角測量計算簿

路線名 L08171335

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|-------|-------|-------|--------|
| T-6-4 | T-6 | | 304 49 51 | | | | -161820.346 | -45839.555 | T-6-4 | | | 19.648 |
| T-6-4 | 3162 | 66 48 24 | 11 38 15 | 13.956 | 13 48 32 | 13.553 | -161807.072 | -45836.821 | 3162 | 1.445 | 1.000 | 23.424 |
| T-6-4 | 3163 | 70 14 44 | 15 4 35 | 14.325 | 13 48 32 | 13.911 | -161806.914 | -45835.936 | 3163 | 1.445 | 1.000 | 23.512 |
| T-6-4 | 3164 | 71 31 51 | 16 21 42 | 15.253 | 13 47 47 | 14.813 | -161806.133 | -45835.382 | 3164 | 1.445 | 1.000 | 23.730 |
| T-6-4 | 3165 | 79 9 9 | 23 59 0 | 18.079 | 10 48 42 | 17.758 | -161804.122 | -45832.337 | 3165 | 1.445 | 1.000 | 23.484 |
| T-6-4 | 3166 | 0 0 0 | 304 49 51 | 0.000 | 90 0 0 | 0.000 | -161820.346 | -45839.555 | 3166 | 1.445 | 1.000 | 20.093 |
| T-6-4 | 3167 | 12 30 50 | 317 20 41 | 16.211 | 0 35 33 | 16.210 | -161808.425 | -45850.538 | 3167 | 1.445 | 1.000 | 20.261 |
| T-6-4 | 3168 | 9 12 18 | 314 2 9 | 11.353 | -0 5 25 | 11.353 | -161812.455 | -45847.716 | 3168 | 1.445 | 1.000 | 20.075 |
| T-6-4 | 3169 | 0 7 32 | 304 57 23 | 6.004 | -2 22 48 | 5.999 | -161816.909 | -45844.471 | 3169 | 1.445 | 1.000 | 19.844 |
| T-6-4 | 3170 | 346 59 6 | 291 48 57 | 3.683 | -5 51 58 | 3.664 | -161818.985 | -45842.956 | 3170 | 1.445 | 1.000 | 19.716 |
| T-6-4 | 3171 | 340 11 18 | 285 1 9 | 3.125 | -7 34 19 | 3.098 | -161819.544 | -45842.547 | 3171 | 1.445 | 1.000 | 19.681 |
| T-6-4 | 3172 | 329 21 29 | 274 11 20 | 2.583 | -9 19 26 | 2.549 | -161820.160 | -45842.097 | 3172 | 1.445 | 1.000 | 19.674 |
| T-6-4 | 3173 | 223 9 25 | 167 59 16 | 4.584 | -7 54 20 | 4.540 | -161824.787 | -45838.610 | 3173 | 1.445 | 1.000 | 19.462 |
| T-6-4 | 3174 | 206 43 27 | 151 33 18 | 11.639 | -4 34 47 | 11.602 | -161830.548 | -45834.028 | 3174 | 1.445 | 1.000 | 19.164 |
| T-6-4 | 3175 | 202 50 57 | 147 40 48 | 17.414 | -3 45 10 | 17.377 | -161835.031 | -45830.264 | 3175 | 1.445 | 1.000 | 18.953 |
| T-6-4 | 3176 | 189 32 26 | 134 22 17 | 17.047 | -3 53 58 | 17.008 | -161832.240 | -45827.397 | 3176 | 1.445 | 1.000 | 18.934 |
| T-6-4 | 3177 | 187 8 40 | 131 58 31 | 12.011 | -4 41 23 | 11.971 | -161828.353 | -45830.655 | 3177 | 1.445 | 1.000 | 19.111 |
| T-6-4 | 3178 | 180 39 44 | 125 29 35 | 7.103 | -6 22 9 | 7.059 | -161824.445 | -45833.807 | 3178 | 1.445 | 1.000 | 19.305 |
| T-6-4 | 3179 | 147 48 26 | 92 38 17 | 2.741 | -12 22 8 | 2.677 | -161820.470 | -45836.880 | 3179 | 1.445 | 1.000 | 19.506 |
| T-6-4 | 3180 | 54 3 59 | 358 53 50 | 3.513 | -6 58 48 | 3.487 | -161816.860 | -45839.622 | 3180 | 1.445 | 1.000 | 19.666 |
| T-6-4 | 3181 | 31 47 52 | 336 37 43 | 9.083 | -1 11 46 | 9.081 | -161812.011 | -45843.157 | 3181 | 1.445 | 1.000 | 19.903 |
| T-6-4 | 3182 | 27 21 29 | 332 11 20 | 14.530 | 0 6 40 | 14.530 | -161807.495 | -45846.334 | 3182 | 1.445 | 1.000 | 20.121 |
| T-6-4 | 3183 | 25 37 18 | 330 27 9 | 19.528 | 0 40 33 | 19.527 | -161803.359 | -45849.184 | 3183 | 1.445 | 1.000 | 20.323 |
| T-6-4 | 3184 | 25 3 47 | 329 53 38 | 8.922 | -0 54 31 | 8.921 | -161812.629 | -45844.029 | 3184 | 1.445 | 1.000 | 19.951 |
| T-6-4 | 3185 | 1 26 47 | 306 16 38 | 7.539 | -1 12 27 | 7.537 | -161815.887 | -45845.631 | 3185 | 1.445 | 1.000 | 19.934 |
| T-6-4 | 3186 | 68 32 23 | 13 22 14 | 4.583 | -2 17 22 | 4.579 | -161815.892 | -45838.496 | 3186 | 1.445 | 1.000 | 19.910 |
| T-6-4 | 3187 | 200 55 0 | 145 44 51 | 7.433 | -5 43 22 | 7.396 | -161826.460 | -45835.392 | 3187 | 1.445 | 1.000 | 19.352 |
| T-6-4 | 3188 | 199 18 23 | 144 8 14 | 11.288 | -4 30 36 | 11.253 | -161829.466 | -45832.962 | 3188 | 1.445 | 1.000 | 19.205 |
| T-6-4 | 3189 | 199 58 0 | 144 47 51 | 11.464 | -4 28 24 | 11.429 | -161829.685 | -45832.966 | 3189 | 1.445 | 1.000 | 19.199 |
| T-6-4 | 3190 | 205 38 38 | 150 28 29 | 11.603 | -4 21 24 | 11.569 | -161830.413 | -45833.853 | 3190 | 1.445 | 1.000 | 19.211 |
| T-6-4 | 3191 | 202 21 8 | 147 10 59 | 16.758 | -3 31 34 | 16.726 | -161834.403 | -45830.490 | 3191 | 1.445 | 1.000 | 19.062 |
| T-6-4 | 3192 | 198 29 53 | 143 19 44 | 16.638 | -3 40 24 | 16.604 | -161833.664 | -45829.638 | 3192 | 1.445 | 1.000 | 19.027 |
| T-6-4 | 3193 | 197 58 14 | 142 48 5 | 16.796 | -3 43 27 | 16.761 | -161833.697 | -45829.421 | 3193 | 1.445 | 1.000 | 19.002 |
| T-6-4 | 3194 | 197 13 0 | 142 2 51 | 21.071 | -3 19 54 | 21.035 | -161836.933 | -45826.618 | 3194 | 1.445 | 1.000 | 18.868 |

多角測量計算簿

路線名 L08171335

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-6-4 | 3195 | 196 35 30 | 141 25 21 | 24.740 | -3 7 1 | 24.703 | -161839.658 | -45824.150 | 3195 | 1.445 | 1.000 | 18.748 |
| T-6-4 | 3196 | 195 52 25 | 140 42 16 | 29.635 | -2 55 1 | 29.597 | -161843.251 | -45820.810 | 3196 | 1.445 | 1.000 | 18.585 |
| T-6-4 | 3197 | 195 20 0 | 140 9 51 | 32.888 | -2 52 15 | 32.847 | -161845.569 | -45818.513 | 3197 | 1.445 | 1.000 | 18.446 |
| T-6-4 | 3198 | 195 33 29 | 140 23 20 | 33.050 | -2 50 42 | 33.009 | -161845.776 | -45818.509 | 3198 | 1.445 | 1.000 | 18.452 |
| T-6-4 | 3199 | 197 32 45 | 142 22 36 | 33.140 | -2 45 58 | 33.101 | -161846.564 | -45819.347 | 3199 | 1.445 | 1.000 | 18.494 |
| T-6-4 | 3200 | 198 34 57 | 143 24 48 | 32.796 | -2 51 32 | 32.755 | -161846.647 | -45820.031 | 3200 | 1.445 | 1.000 | 18.457 |
| T-6-4 | 3201 | 193 22 37 | 138 12 28 | 30.917 | -2 58 54 | 30.875 | -161843.366 | -45818.979 | 3201 | 1.445 | 1.000 | 18.485 |
| T-6-4 | 3202 | 100 32 13 | 45 22 4 | 5.996 | 3 10 35 | 5.987 | -161816.140 | -45835.294 | 3202 | 1.445 | 1.000 | 20.425 |
| T-6-4 | 3203 | 132 10 44 | 77 0 35 | 3.021 | 11 12 34 | 2.963 | -161819.680 | -45836.667 | 3203 | 1.445 | 1.200 | 20.480 |
| T-6-4 | 3204 | 127 55 55 | 72 45 46 | 3.690 | 8 56 44 | 3.645 | -161819.266 | -45836.073 | 3204 | 1.445 | 1.200 | 20.467 |
| T-6-4 | 3205 | 89 18 6 | 34 7 57 | 3.827 | 8 17 8 | 3.787 | -161817.212 | -45837.430 | 3205 | 1.445 | 1.200 | 20.444 |
| T-6-4 | 3206 | 96 29 3 | 41 18 54 | 6.027 | 5 5 9 | 6.003 | -161815.838 | -45835.591 | 3206 | 1.445 | 1.200 | 20.427 |
| T-6-4 | 3207 | 96 29 3 | 41 18 54 | 6.027 | 5 5 9 | 6.003 | -161815.838 | -45835.591 | 3207 | 1.445 | 1.200 | 20.427 |
| T-6-4 | 3208 | 79 1 32 | 23 51 23 | 2.918 | -4 24 3 | 2.909 | -161817.686 | -45838.378 | 3208 | 1.445 | 1.200 | 19.669 |
| T-6-4 | 3209 | 43 35 20 | 348 25 11 | 6.013 | -4 24 8 | 5.995 | -161814.474 | -45840.758 | 3209 | 1.445 | 1.200 | 19.431 |
| T-6-4 | 3210 | 78 38 33 | 23 28 24 | 10.138 | -1 17 43 | 10.135 | -161811.050 | -45835.518 | 3210 | 1.445 | 1.200 | 19.664 |
| T-6-4 | t326 | 45 31 51 | 350 21 42 | 7.871 | 12 9 25 | 7.694 | -161812.761 | -45840.843 | t326 | 1.445 | 1.200 | 21.550 |
| T-6-4 | t327 | 27 14 20 | 332 4 11 | 21.092 | 4 54 41 | 21.015 | -161801.779 | -45849.398 | t327 | 1.445 | 1.200 | 21.699 |
| T-6-4 | t328 | 105 24 45 | 50 14 36 | 5.198 | 5 57 55 | 5.170 | -161817.040 | -45835.580 | t328 | 1.445 | 1.200 | 20.433 |
| T-6-4 | t329 | 186 2 3 | 130 51 54 | 27.435 | 1 14 59 | 27.428 | -161838.292 | -45818.812 | t329 | 1.445 | 1.200 | 20.491 |
| T-6-4 | 3211 | 181 22 24 | 126 12 15 | 15.757 | 1 53 50 | 15.748 | -161829.648 | -45826.847 | 3211 | 1.445 | 1.200 | 20.415 |
| T-6-4 | 3212 | 182 0 17 | 126 50 8 | 16.235 | 1 52 41 | 16.226 | -161830.074 | -45826.568 | 3212 | 1.445 | 1.200 | 20.425 |
| T-6-4 | 3213 | 180 17 42 | 125 7 33 | 16.425 | 1 52 48 | 16.416 | -161829.792 | -45826.128 | 3213 | 1.445 | 1.200 | 20.432 |
| T-6-4 | 3214 | 91 55 25 | 36 45 16 | 8.224 | 3 37 57 | 8.207 | -161813.771 | -45834.644 | 3214 | 1.445 | 1.200 | 20.414 |
| T-6-4 | 3215 | 90 27 30 | 35 17 21 | 7.737 | 3 59 30 | 7.718 | -161814.047 | -45835.096 | 3215 | 1.445 | 1.200 | 20.431 |
| T-6-4 | 3216 | 93 50 19 | 38 40 10 | 7.458 | 4 12 55 | 7.438 | -161814.539 | -45834.907 | 3216 | 1.445 | 1.200 | 20.441 |
| T-6-4 | t330 | 78 27 49 | 23 17 40 | 8.456 | 3 45 5 | 8.438 | -161812.596 | -45836.218 | t330 | 1.445 | 1.200 | 20.446 |
| T-6-4 | t331 | 51 48 24 | 356 38 15 | 4.636 | -1 51 9 | 4.634 | -161815.720 | -45839.826 | t331 | 1.445 | 1.200 | 19.743 |
| T-6-4 | t332 | 49 0 17 | 353 50 8 | 4.492 | -7 27 18 | 4.454 | -161815.918 | -45840.033 | t332 | 1.445 | 1.200 | 19.310 |
| T-6-4 | t333 | 29 41 38 | 334 31 29 | 3.790 | -2 6 27 | 3.787 | -161816.928 | -45841.184 | t333 | 1.445 | 1.200 | 19.753 |
| T-6-4 | t334 | 341 21 9 | 286 11 0 | 3.582 | -9 37 48 | 3.532 | -161819.362 | -45842.947 | t334 | 1.445 | 1.200 | 19.294 |
| T-6-4 | t335 | 202 34 20 | 147 24 11 | 19.399 | -4 10 33 | 19.348 | -161836.647 | -45829.131 | t335 | 1.445 | 1.200 | 18.480 |
| T-6-4 | t336 | 193 45 54 | 138 35 45 | 14.738 | -3 16 27 | 14.714 | -161831.383 | -45829.823 | t336 | 1.445 | 1.200 | 19.051 |
| T-6-4 | t337 | 187 47 21 | 132 37 12 | 15.036 | -4 52 40 | 14.982 | -161830.491 | -45828.530 | t337 | 1.445 | 1.200 | 18.614 |

多角測量計算簿

路線名 L08171335

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-6-4 | t338 | 13 56 40 | 318 46 31 | 21.147 | 0 17 20 | 21.147 | -161804.441 | -45853.491 | t338 | 1.445 | 1.200 | 19.999 |
| T-6-4 | 3217 | 6 6 21 | 310 56 12 | 23.946 | -1 14 35 | 23.940 | -161804.660 | -45857.640 | 3217 | 1.445 | 1.200 | 19.373 |
| T-6-4 | 3218 | 2 18 55 | 307 8 46 | 19.183 | -2 1 0 | 19.171 | -161808.770 | -45854.836 | 3218 | 1.445 | 1.200 | 19.218 |
| T-6-4 | 3219 | 355 58 19 | 300 48 10 | 14.495 | -3 14 52 | 14.472 | -161812.936 | -45851.985 | 3219 | 1.445 | 1.200 | 19.072 |
| T-6-4 | 3220 | 344 25 34 | 289 15 25 | 10.142 | -5 42 21 | 10.092 | -161817.018 | -45849.082 | 3220 | 1.445 | 1.200 | 18.885 |
| T-6-4 | 3221 | 320 16 10 | 265 6 1 | 6.831 | -10 1 53 | 6.727 | -161820.921 | -45846.257 | 3221 | 1.445 | 1.200 | 18.703 |
| T-6-4 | 3222 | 274 6 49 | 218 56 40 | 6.033 | -13 13 43 | 5.873 | -161824.914 | -45843.246 | 3222 | 1.445 | 1.200 | 18.512 |
| T-6-4 | 3223 | 223 49 6 | 168 38 57 | 12.819 | -7 49 50 | 12.699 | -161832.797 | -45837.055 | 3223 | 1.445 | 1.200 | 18.146 |
| T-6-4 | 3224 | 215 56 41 | 160 46 32 | 17.274 | -6 23 49 | 17.166 | -161836.555 | -45833.902 | 3224 | 1.445 | 1.200 | 17.968 |
| T-6-4 | 3225 | 211 7 15 | 155 57 6 | 22.012 | -5 24 20 | 21.914 | -161840.358 | -45830.624 | 3225 | 1.445 | 1.200 | 17.819 |
| T-6-4 | 3226 | 207 46 15 | 152 36 6 | 26.802 | -4 48 53 | 26.707 | -161844.058 | -45827.265 | 3226 | 1.445 | 1.200 | 17.643 |
| T-6-4 | 3227 | 205 16 27 | 150 6 18 | 31.642 | -4 22 35 | 31.550 | -161847.698 | -45823.830 | 3227 | 1.445 | 1.200 | 17.478 |
| T-6-4 | 3228 | 182 1 28 | 126 51 19 | 16.505 | 29 54 59 | 14.306 | -161828.927 | -45828.108 | 3228 | 1.445 | 1.200 | 28.125 |
| T-6-4 | 3229 | 178 46 6 | 123 35 57 | 16.634 | 29 4 13 | 14.539 | -161828.392 | -45827.445 | 3229 | 1.445 | 1.200 | 27.975 |
| T-6-4 | 3230 | 105 1 28 | 49 51 19 | 7.477 | 38 58 53 | 5.812 | -161816.599 | -45835.112 | 3230 | 1.445 | 1.200 | 24.596 |
| T-6-4 | 3231 | 103 58 57 | 48 48 48 | 7.753 | 29 52 15 | 6.723 | -161815.919 | -45834.495 | 3231 | 1.445 | 1.200 | 23.754 |
| T-6-4 | 3232 | 100 59 19 | 45 49 10 | 9.424 | 57 18 3 | 5.091 | -161816.798 | -45835.904 | 3232 | 1.445 | 1.200 | 27.823 |
| T-6-4 | 3233 | 133 10 51 | 78 0 42 | 6.263 | 25 23 54 | 5.658 | -161819.171 | -45834.020 | 3233 | 1.445 | 1.200 | 22.579 |
| T-6-4 | 3234 | 136 36 29 | 81 26 20 | 5.951 | 31 13 26 | 5.089 | -161819.589 | -45834.522 | 3234 | 1.445 | 1.200 | 22.978 |
| T-6-4 | 3235 | 141 18 56 | 86 8 47 | 5.833 | 31 13 33 | 4.988 | -161820.011 | -45834.578 | 3235 | 1.445 | 1.200 | 22.917 |
| T-6-4 | 3236 | 175 16 3 | 120 5 54 | 10.091 | 17 29 18 | 9.625 | -161825.173 | -45831.227 | 3236 | 1.445 | 1.200 | 22.925 |
| T-6-4 | 3237 | 174 24 6 | 119 13 57 | 10.582 | 13 56 5 | 10.271 | -161825.362 | -45830.592 | 3237 | 1.445 | 1.200 | 22.441 |
| T-6-4 | 3238 | 133 10 48 | 78 0 39 | 6.216 | 24 29 21 | 5.657 | -161819.171 | -45834.021 | 3238 | 1.445 | 1.200 | 22.470 |
| T-6-4 | 3239 | 134 43 50 | 79 33 41 | 5.891 | 25 42 25 | 5.308 | -161819.385 | -45834.334 | 3239 | 1.445 | 1.200 | 22.448 |
| T-6-4 | 3240 | 137 46 4 | 82 35 55 | 5.640 | 26 56 46 | 5.028 | -161819.699 | -45834.569 | 3240 | 1.445 | 1.200 | 22.449 |
| T-6-4 | 3241 | 142 11 24 | 87 1 15 | 5.626 | 26 59 54 | 5.013 | -161820.086 | -45834.548 | 3241 | 1.445 | 1.200 | 22.447 |
| T-6-4 | 3242 | 175 14 42 | 120 4 33 | 9.974 | 14 54 18 | 9.638 | -161825.177 | -45831.214 | 3242 | 1.445 | 1.200 | 22.458 |
| T-6-4 | 3243 | 175 26 31 | 120 16 22 | 12.080 | 14 19 52 | 11.704 | -161826.247 | -45829.447 | 3243 | 1.445 | 1.200 | 22.883 |
| T-6-4 | 3244 | 175 32 30 | 120 22 21 | 10.205 | 14 32 53 | 9.878 | -161825.341 | -45831.032 | 3244 | 1.445 | 1.200 | 22.456 |
| T-6-4 | 3245 | 173 48 2 | 118 37 53 | 10.718 | 13 49 54 | 10.407 | -161825.333 | -45830.420 | 3245 | 1.445 | 1.200 | 22.455 |
| T-6-4 | 3246 | 172 1 49 | 116 51 40 | 10.902 | 13 38 20 | 10.595 | -161825.134 | -45830.103 | 3246 | 1.445 | 1.200 | 22.464 |
| T-6-4 | 3247 | 86 13 33 | 31 3 24 | 4.373 | 22 55 25 | 4.028 | -161816.896 | -45837.477 | 3247 | 1.445 | 1.200 | 21.596 |
| T-6-4 | 3248 | 83 55 28 | 28 45 19 | 4.047 | 23 4 8 | 3.723 | -161817.083 | -45837.764 | 3248 | 1.445 | 1.200 | 21.479 |
| T-6-4 | 3249 | 79 23 50 | 24 13 41 | 4.208 | 22 1 52 | 3.901 | -161816.789 | -45837.954 | 3249 | 1.445 | 1.200 | 21.471 |

多角測量計算簿

路線名 L08171335

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|---------|----------|---------|-------------|------------|-------|-------|-------|--------|
| T-6-4 | 3250 | 57 30 55 | 2 20 46 | 6.434 | 13 8 32 | 6.265 | -161814.087 | -45839.298 | 3250 | 1.445 | 1.200 | 21.356 |
| T-6-4 | 3251 | 0 0 0 | 304 49 51 | 0.000 | 90 0 0 | 0.000 | -161820.346 | -45839.555 | 3251 | 1.445 | 1.200 | 19.893 |
| T-6-4 | 3252 | 54 52 11 | 359 42 2 | 6.249 | 13 23 40 | 6.079 | -161814.268 | -45839.586 | 3252 | 1.445 | 1.200 | 21.340 |
| T-6-4 | 3253 | 53 11 23 | 358 1 14 | 6.561 | 13 52 37 | 6.370 | -161813.980 | -45839.775 | 3253 | 1.445 | 1.200 | 21.466 |
| T-6-4 | 3254 | 70 21 39 | 15 11 30 | 4.118 | -18 5 42 | 3.914 | -161816.569 | -45838.529 | 3254 | 1.445 | 1.200 | 18.614 |
| T-6-4 | 3255 | 53 17 13 | 358 7 4 | 5.606 | -12 35 0 | 5.471 | -161814.878 | -45839.734 | 3255 | 1.445 | 1.200 | 18.672 |
| T-6-4 | 3256 | 298 51 31 | 243 41 22 | 319.282 | 5 48 17 | 317.645 | -161961.139 | -46124.293 | 3256 | 1.445 | 1.200 | 52.185 |
| T-6-4 | 3257 | 299 2 12 | 243 52 3 | 37.057 | 5 48 50 | 36.866 | -161836.584 | -45872.652 | 3257 | 1.445 | 1.200 | 23.647 |
| T-6-4 | 3258 | 302 50 18 | 247 40 9 | 26.004 | 6 2 43 | 25.859 | -161830.172 | -45863.474 | 3258 | 1.445 | 1.200 | 22.631 |
| T-6-4 | 3259 | 301 47 30 | 246 37 21 | 25.905 | 6 5 35 | 25.759 | -161830.567 | -45863.199 | 3259 | 1.445 | 1.200 | 22.643 |
| T-6-4 | 3260 | 300 20 10 | 245 10 1 | 27.392 | 5 48 8 | 27.252 | -161831.792 | -45864.287 | 3260 | 1.445 | 1.200 | 22.662 |
| T-6-4 | 3261 | 300 53 18 | 245 43 9 | 25.993 | 6 6 56 | 25.845 | -161830.974 | -45863.113 | 3261 | 1.445 | 1.200 | 22.662 |
| T-6-4 | 3262 | 28 32 40 | 333 22 31 | 22.300 | 23 56 57 | 20.380 | -161802.128 | -45848.688 | 3262 | 1.445 | 1.200 | 28.945 |
| T-6-4 | 3263 | 31 19 43 | 336 9 34 | 17.060 | 32 1 47 | 14.463 | -161807.118 | -45845.400 | 3263 | 1.445 | 1.200 | 28.941 |
| T-6-4 | 3264 | 32 1 0 | 336 50 51 | 16.795 | 32 36 29 | 14.148 | -161807.338 | -45845.117 | 3264 | 1.445 | 1.200 | 28.944 |
| T-6-4 | 3265 | 33 26 37 | 338 16 28 | 16.679 | 32 53 51 | 14.004 | -161807.337 | -45844.738 | 3265 | 1.445 | 1.200 | 28.952 |
| T-6-4 | 3266 | 35 19 27 | 340 9 18 | 16.780 | 32 55 12 | 14.086 | -161807.097 | -45844.337 | 3266 | 1.445 | 1.200 | 29.012 |
| T-6-4 | 3267 | 39 51 7 | 344 40 58 | 13.997 | 40 18 47 | 10.673 | -161810.053 | -45842.374 | 3267 | 1.445 | 1.200 | 28.948 |
| T-6-4 | 3268 | 41 13 48 | 346 3 39 | 13.772 | 41 5 38 | 10.379 | -161810.273 | -45842.055 | 3268 | 1.445 | 1.200 | 28.945 |
| T-6-4 | 3269 | 42 48 52 | 347 38 43 | 13.719 | 41 16 25 | 10.311 | -161810.274 | -45841.761 | 3269 | 1.445 | 1.200 | 28.943 |
| T-6-4 | 3270 | 66 46 38 | 11 36 29 | 16.312 | 33 54 25 | 13.538 | -161807.085 | -45836.831 | 3270 | 1.445 | 1.200 | 28.992 |
| T-6-4 | 3271 | 303 44 39 | 248 34 30 | 24.517 | 8 49 1 | 24.227 | -161829.196 | -45862.107 | 3271 | 1.445 | 1.200 | 23.651 |
| T-6-4 | 3272 | 325 30 1 | 270 19 52 | 29.140 | 7 26 47 | 28.894 | -161820.180 | -45868.448 | 3272 | 1.445 | 1.200 | 23.669 |
| T-6-4 | 3273 | 322 7 2 | 266 56 53 | 32.061 | 5 44 15 | 31.900 | -161822.045 | -45871.409 | 3273 | 1.445 | 1.200 | 23.098 |
| T-6-4 | 3274 | 327 27 43 | 272 17 34 | 34.146 | 5 22 42 | 33.996 | -161818.987 | -45873.523 | 3274 | 1.445 | 1.200 | 23.093 |
| T-6-4 | 3275 | 326 7 11 | 270 57 2 | 35.138 | 5 12 32 | 34.993 | -161819.766 | -45874.543 | 3275 | 1.445 | 1.200 | 23.083 |
| T-5-3 | T-5 | | 162 15 16 | | | | -161853.997 | -45806.523 | T-5-3 | | | 17.911 |
| T-5-3 | 3276 | 104 24 6 | 266 39 22 | 34.045 | 4 10 23 | 33.955 | -161855.977 | -45840.420 | 3276 | 1.522 | 1.200 | 20.710 |
| T-5-3 | 3277 | 108 36 28 | 270 51 44 | 37.270 | 4 32 6 | 37.153 | -161853.437 | -45843.671 | 3277 | 1.522 | 1.200 | 21.179 |
| T-5-3 | 3278 | 114 7 48 | 276 23 4 | 42.938 | 7 11 43 | 42.600 | -161849.259 | -45848.858 | 3278 | 1.522 | 1.200 | 23.611 |
| T-5-3 | 3279 | 105 12 1 | 267 27 17 | 33.355 | 1 40 40 | 33.341 | -161855.477 | -45839.831 | 3279 | 1.522 | 1.200 | 19.209 |
| T-5-3 | 3280 | 153 19 50 | 315 35 6 | 25.189 | 0 40 6 | 25.187 | -161836.006 | -45824.150 | 3280 | 1.522 | 1.200 | 18.526 |
| T-5-3 | 3281 | 152 48 21 | 315 3 37 | 19.659 | 0 15 45 | 19.659 | -161840.081 | -45820.409 | 3281 | 1.522 | 1.200 | 18.323 |

多 角 測 量 計 算 簿

路線名 L08171335

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-5-3 | 3282 | 152 19 56 | 314 35 12 | 13.686 | -0 30 0 | 13.685 | -161844.390 | -45816.269 | 3282 | 1.522 | 1.200 | 18.113 |
| T-5-3 | 3283 | 152 10 47 | 314 26 3 | 8.636 | -1 50 58 | 8.632 | -161847.953 | -45812.686 | 3283 | 1.522 | 1.200 | 17.954 |
| T-5-3 | 3284 | 153 4 28 | 315 19 44 | 3.642 | -6 48 47 | 3.616 | -161851.425 | -45809.065 | 3284 | 1.522 | 1.200 | 17.800 |
| T-5-3 | 3285 | 325 43 34 | 127 58 50 | 2.980 | -12 12 30 | 2.913 | -161855.789 | -45804.226 | 3285 | 1.522 | 1.200 | 17.602 |
| T-5-3 | 3286 | 327 28 13 | 129 43 29 | 7.975 | -5 48 38 | 7.934 | -161859.067 | -45800.420 | 3286 | 1.522 | 1.200 | 17.425 |
| T-5-3 | 3287 | 327 26 8 | 129 41 24 | 12.560 | -4 31 16 | 12.521 | -161861.993 | -45796.888 | 3287 | 1.522 | 1.200 | 17.242 |
| T-5-3 | 3288 | 327 5 3 | 129 20 19 | 17.507 | -3 51 3 | 17.467 | -161865.069 | -45793.013 | 3288 | 1.522 | 1.200 | 17.057 |
| T-5-3 | 3289 | 326 46 50 | 129 2 6 | 20.770 | -3 35 17 | 20.729 | -161867.052 | -45790.421 | 3289 | 1.522 | 1.200 | 16.933 |
| T-5-3 | 3290 | 326 44 17 | 128 59 33 | 20.540 | -3 36 25 | 20.499 | -161866.895 | -45790.590 | 3290 | 1.522 | 1.200 | 16.940 |
| T-5-3 | 3291 | 329 25 51 | 131 41 7 | 20.406 | -3 33 32 | 20.367 | -161867.541 | -45791.312 | 3291 | 1.522 | 1.200 | 16.966 |
| T-5-3 | 3292 | 332 46 20 | 135 1 36 | 19.962 | -3 29 30 | 19.925 | -161868.092 | -45792.440 | 3292 | 1.522 | 1.200 | 17.017 |
| T-5-3 | 3293 | 335 51 56 | 138 7 12 | 19.256 | -3 24 43 | 19.222 | -161868.308 | -45793.691 | 3293 | 1.522 | 1.200 | 17.087 |
| T-5-3 | 3294 | 338 28 0 | 140 43 16 | 18.331 | -3 28 5 | 18.297 | -161868.160 | -45794.939 | 3294 | 1.522 | 1.200 | 17.124 |
| T-5-3 | 3295 | 340 27 37 | 142 42 53 | 17.215 | -3 36 37 | 17.181 | -161867.666 | -45796.115 | 3295 | 1.522 | 1.200 | 17.149 |
| T-5-3 | 3296 | 341 6 35 | 143 21 51 | 16.611 | -3 44 55 | 16.575 | -161867.297 | -45796.632 | 3296 | 1.522 | 1.200 | 17.147 |
| T-5-3 | 3297 | 342 21 18 | 144 36 34 | 15.456 | -3 54 19 | 15.420 | -161866.567 | -45797.592 | 3297 | 1.522 | 1.200 | 17.180 |
| T-5-3 | 3298 | 343 3 56 | 145 19 12 | 14.753 | -3 56 22 | 14.718 | -161866.100 | -45798.148 | 3298 | 1.522 | 1.200 | 17.219 |
| T-5-3 | 3299 | 350 28 23 | 152 43 39 | 10.268 | -4 35 23 | 10.235 | -161863.094 | -45801.833 | 3299 | 1.522 | 1.200 | 17.411 |
| T-5-3 | 3300 | 353 25 5 | 155 40 21 | 9.142 | -4 54 27 | 9.108 | -161862.296 | -45802.771 | 3300 | 1.522 | 1.200 | 17.450 |
| T-5-3 | 3301 | 10 44 9 | 172 59 25 | 5.765 | -6 18 27 | 5.730 | -161859.684 | -45805.823 | 3301 | 1.522 | 1.200 | 17.599 |
| T-5-3 | 3302 | 68 32 28 | 230 47 44 | 3.887 | -7 15 39 | 3.856 | -161856.434 | -45809.511 | 3302 | 1.522 | 1.200 | 17.741 |
| T-5-3 | 3303 | 108 18 27 | 270 33 43 | 5.709 | -3 50 55 | 5.696 | -161853.941 | -45812.218 | 3303 | 1.522 | 1.200 | 17.849 |
| T-5-3 | 3304 | 111 53 59 | 274 9 15 | 6.140 | -3 29 24 | 6.129 | -161853.553 | -45812.635 | 3304 | 1.522 | 1.200 | 17.859 |
| T-5-3 | 3305 | 129 45 8 | 292 0 24 | 10.462 | -0 59 52 | 10.460 | -161850.077 | -45816.220 | 3305 | 1.522 | 1.200 | 18.050 |
| T-5-3 | 3306 | 136 8 51 | 298 24 7 | 14.301 | -0 15 24 | 14.301 | -161847.194 | -45819.102 | 3306 | 1.522 | 1.200 | 18.168 |
| T-5-3 | 3307 | 141 23 51 | 303 39 7 | 20.220 | 0 28 1 | 20.219 | -161842.792 | -45823.353 | 3307 | 1.522 | 1.200 | 18.397 |
| T-5-3 | 3308 | 144 3 5 | 306 18 21 | 24.997 | 0 46 0 | 24.995 | -161839.197 | -45826.665 | 3308 | 1.522 | 1.200 | 18.567 |
| T-5-3 | 3309 | 145 23 3 | 307 38 19 | 28.117 | 0 51 0 | 28.114 | -161836.828 | -45828.785 | 3309 | 1.522 | 1.200 | 18.650 |
| T-5-3 | 3310 | 145 40 14 | 307 55 30 | 28.801 | 0 53 0 | 28.798 | -161836.296 | -45829.239 | 3310 | 1.522 | 1.200 | 18.677 |
| T-5-3 | 3311 | 109 54 50 | 272 10 6 | 5.539 | -2 26 28 | 5.534 | -161853.787 | -45812.053 | 3311 | 1.522 | 1.200 | 17.997 |
| T-5-3 | 3312 | 120 3 59 | 282 19 15 | 4.879 | -3 52 28 | 4.868 | -161852.958 | -45811.278 | 3312 | 1.522 | 1.200 | 17.903 |
| T-5-3 | 3313 | 120 28 22 | 282 43 38 | 4.669 | -4 23 33 | 4.655 | -161852.971 | -45811.063 | 3313 | 1.522 | 1.200 | 17.875 |
| T-5-3 | 3314 | 53 14 30 | 215 29 46 | 2.375 | -11 49 59 | 2.325 | -161855.889 | -45807.873 | 3314 | 1.522 | 1.200 | 17.746 |
| T-5-3 | 3315 | 2 28 43 | 164 43 59 | 4.246 | -7 40 50 | 4.208 | -161858.056 | -45805.415 | 3315 | 1.522 | 1.200 | 17.665 |

多角測量計算簿

路線名 L08171335

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-5-3 | 3316 | 3 5 22 | 165 20 38 | 4.460 | -7 22 53 | 4.423 | -161858.276 | -45805.403 | 3316 | 1.522 | 1.200 | 17.660 |
| T-5-3 | 3317 | 11 20 46 | 173 36 2 | 4.981 | -6 30 1 | 4.949 | -161858.915 | -45805.971 | 3317 | 1.522 | 1.200 | 17.669 |
| T-5-3 | 3318 | 342 13 12 | 144 28 28 | 14.793 | -3 38 34 | 14.763 | -161866.012 | -45797.944 | 3318 | 1.522 | 1.200 | 17.293 |
| T-5-3 | 3319 | 337 56 14 | 140 11 30 | 14.542 | -3 50 45 | 14.509 | -161865.142 | -45797.234 | 3319 | 1.522 | 1.200 | 17.257 |
| T-5-3 | 3320 | 337 16 9 | 139 31 25 | 14.635 | -3 52 20 | 14.602 | -161865.104 | -45797.044 | 3320 | 1.522 | 1.200 | 17.244 |
| T-5-3 | 3321 | 336 30 41 | 138 45 57 | 15.590 | -3 40 23 | 15.558 | -161865.697 | -45796.268 | 3321 | 1.522 | 1.200 | 17.234 |
| T-5-3 | 3322 | 336 54 14 | 139 9 30 | 15.773 | -3 39 44 | 15.741 | -161865.905 | -45796.228 | 3322 | 1.522 | 1.200 | 17.225 |
| T-5-3 | 3323 | 340 57 49 | 143 13 5 | 16.023 | -3 47 43 | 15.988 | -161866.802 | -45796.949 | 3323 | 1.522 | 1.200 | 17.172 |
| T-5-3 | 3324 | 328 40 23 | 130 55 39 | 15.380 | -4 2 34 | 15.342 | -161864.047 | -45794.931 | 3324 | 1.522 | 1.200 | 17.148 |
| T-5-3 | 3325 | 328 48 13 | 131 3 29 | 14.650 | -4 8 46 | 14.612 | -161863.594 | -45795.504 | 3325 | 1.522 | 1.200 | 17.173 |
| T-5-3 | 3326 | 331 20 32 | 133 35 48 | 14.699 | -4 3 46 | 14.662 | -161864.107 | -45795.904 | 3326 | 1.522 | 1.200 | 17.191 |
| T-5-3 | 3327 | 154 20 58 | 316 36 14 | 13.695 | -0 24 5 | 13.695 | -161844.045 | -45815.932 | 3327 | 1.522 | 1.200 | 18.137 |
| T-5-3 | 3328 | 189 17 52 | 351 33 8 | 19.532 | -0 24 2 | 19.532 | -161834.676 | -45809.392 | 3328 | 1.522 | 1.200 | 18.096 |
| T-5-3 | 3329 | 253 38 54 | 55 54 10 | 7.664 | 3 4 29 | 7.653 | -161849.706 | -45800.185 | 3329 | 1.522 | 1.200 | 18.644 |
| T-5-3 | 3330 | 253 38 54 | 55 54 10 | 7.665 | 3 4 30 | 7.654 | -161849.706 | -45800.184 | 3330 | 1.522 | 1.200 | 18.644 |
| T-5-3 | 3331 | 220 52 41 | 23 7 57 | 7.297 | 2 35 22 | 7.290 | -161847.293 | -45803.659 | 3331 | 1.522 | 1.200 | 18.562 |
| T-5-3 | 3332 | 218 20 40 | 20 35 56 | 7.092 | 2 32 51 | 7.085 | -161847.365 | -45804.030 | 3332 | 1.522 | 1.200 | 18.548 |
| T-5-3 | 3333 | 220 7 12 | 22 22 28 | 6.809 | 2 41 24 | 6.801 | -161847.708 | -45803.934 | 3333 | 1.522 | 1.200 | 18.552 |
| T-5-3 | 3334 | 255 1 10 | 57 16 26 | 7.215 | 3 16 20 | 7.203 | -161850.102 | -45800.463 | 3334 | 1.522 | 1.200 | 18.644 |
| T-5-3 | 3335 | 264 49 0 | 67 4 16 | 5.159 | 4 34 6 | 5.143 | -161851.993 | -45801.786 | 3335 | 1.522 | 1.200 | 18.643 |
| T-5-3 | 3336 | 243 25 51 | 45 41 7 | 6.667 | 3 13 36 | 6.656 | -161849.347 | -45801.760 | 3336 | 1.522 | 1.200 | 18.608 |
| T-5-3 | 3337 | 244 23 53 | 46 39 9 | 6.116 | 3 29 29 | 6.105 | -161849.806 | -45802.083 | 3337 | 1.522 | 1.200 | 18.605 |
| T-5-3 | 3338 | 246 30 44 | 48 46 0 | 5.181 | 4 6 9 | 5.168 | -161850.590 | -45802.636 | 3338 | 1.522 | 1.200 | 18.603 |
| T-5-3 | 3339 | 248 9 1 | 50 24 17 | 4.636 | 4 31 55 | 4.622 | -161851.051 | -45802.961 | 3339 | 1.522 | 1.200 | 18.599 |
| T-5-3 | 3340 | 250 54 12 | 53 9 28 | 3.951 | 5 16 40 | 3.934 | -161851.638 | -45803.374 | 3340 | 1.522 | 1.200 | 18.596 |
| T-5-3 | 3341 | 253 48 50 | 56 4 6 | 3.429 | 6 2 31 | 3.410 | -161852.093 | -45803.693 | 3341 | 1.522 | 1.200 | 18.593 |
| T-5-3 | 3342 | 262 36 55 | 64 52 11 | 2.488 | 8 16 11 | 2.462 | -161852.951 | -45804.294 | 3342 | 1.522 | 1.200 | 18.590 |
| T-5-3 | 3343 | 283 15 18 | 85 30 34 | 1.630 | 13 31 10 | 1.585 | -161853.872 | -45804.942 | 3343 | 1.522 | 1.200 | 18.614 |
| T-5-3 | 3344 | 161 44 17 | 323 59 33 | 4.391 | -4 31 55 | 4.377 | -161850.456 | -45809.096 | 3344 | 1.522 | 1.200 | 17.886 |
| T-5-3 | 3345 | 156 47 32 | 319 2 48 | 8.626 | -1 38 57 | 8.622 | -161847.485 | -45812.174 | 3345 | 1.522 | 1.200 | 17.984 |
| T-5-3 | 3346 | 155 28 6 | 317 43 22 | 12.210 | -0 37 59 | 12.209 | -161844.963 | -45814.736 | 3346 | 1.522 | 1.200 | 18.098 |
| T-5-3 | t339 | 143 56 29 | 306 11 45 | 9.093 | -1 26 2 | 9.090 | -161848.628 | -45813.858 | t339 | 1.522 | 1.000 | 18.205 |
| T-5-3 | t340 | 153 29 17 | 315 44 33 | 9.175 | -4 3 10 | 9.152 | -161847.442 | -45812.910 | t340 | 1.522 | 1.000 | 17.784 |
| T-5-3 | t341 | 155 17 12 | 317 32 28 | 9.159 | -1 38 44 | 9.155 | -161847.242 | -45812.703 | t341 | 1.522 | 1.000 | 18.170 |

多 角 測 量 計 算 簿

路線名 L08171335

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|---------|-----------|-----------|--------|----------|--------|-------------|------------|---------|-------|-------|--------|
| T-5-3 | t342 | 180 57 48 | 343 13 4 | 9.806 | 0 59 38 | 9.805 | -161844.609 | -45809.354 | t342 | 1.522 | 1.000 | 18.603 |
| T-5-3 | t343 | 109 21 28 | 271 36 44 | 6.110 | -7 14 41 | 6.061 | -161853.826 | -45812.581 | t343 | 1.522 | 1.000 | 17.662 |
| T-5-3 | t344 | 334 35 22 | 136 50 38 | 10.115 | -4 50 3 | 10.079 | -161861.349 | -45799.629 | t344 | 1.522 | 1.000 | 17.580 |
| T-5-3 | t345 | 326 0 18 | 128 15 34 | 10.009 | -7 17 47 | 9.928 | -161860.144 | -45798.727 | t345 | 1.522 | 1.000 | 17.161 |
| T-5-3 | t346 | 324 32 7 | 126 47 23 | 9.999 | -5 3 3 | 9.960 | -161859.961 | -45798.546 | t346 | 1.522 | 1.000 | 17.552 |
| T-5-3 | t347 | 343 27 36 | 145 42 52 | 15.178 | -5 22 7 | 15.111 | -161866.482 | -45798.010 | t347 | 1.522 | 1.000 | 17.012 |
| T-5-3 | t348 | 330 15 37 | 132 30 53 | 19.761 | -3 30 50 | 19.724 | -161867.326 | -45791.984 | t348 | 1.522 | 1.000 | 17.221 |
| T-5-3 | t349 | 326 5 22 | 128 20 38 | 20.040 | -4 46 14 | 19.971 | -161866.386 | -45790.859 | t349 | 1.522 | 1.000 | 16.766 |
| T-5-3 | 3347 | 14 43 53 | 176 59 9 | 4.490 | 0 10 48 | 4.490 | -161858.480 | -45806.286 | 3347 | 1.522 | 1.000 | 18.447 |
| T-5-3 | 3348 | 101 31 43 | 263 46 59 | 4.380 | -3 43 22 | 4.371 | -161854.470 | -45810.868 | 3348 | 1.522 | 1.000 | 18.148 |
| T-5-3 | 3349 | 36 10 45 | 198 26 1 | 3.220 | -9 22 41 | 3.177 | -161857.011 | -45807.527 | 3349 | 1.522 | 1.000 | 17.908 |
| T-5-3 | 3350 | 255 47 58 | 58 3 14 | 10.710 | 15 6 59 | 10.339 | -161848.526 | -45797.749 | 3350 | 1.522 | 1.000 | 21.226 |
| T-5-3 | 3351 | 320 20 56 | 122 36 12 | 4.593 | -8 40 39 | 4.540 | -161856.443 | -45802.698 | 3351 | 1.522 | 1.000 | 17.740 |
| T-5-3 | 3352 | 161 16 8 | 323 31 24 | 3.721 | -6 47 59 | 3.695 | -161851.025 | -45808.719 | 3352 | 1.522 | 1.000 | 17.992 |
| T-5-3 | 3353 | 263 5 20 | 65 20 36 | 8.944 | 6 9 20 | 8.892 | -161850.287 | -45798.441 | 3353 | 1.522 | 1.000 | 19.392 |
| T-5-3 | 3354 | 318 25 26 | 120 40 42 | 5.119 | 7 10 37 | 5.079 | -161856.588 | -45802.154 | 3354 | 1.522 | 1.000 | 19.072 |
| T-5-3 | 3355 | 324 16 51 | 126 32 7 | 5.206 | 7 33 48 | 5.161 | -161857.069 | -45802.376 | 3355 | 1.522 | 1.000 | 19.118 |
| T-5-3 | 3356 | 323 33 16 | 125 48 32 | 8.717 | 4 20 34 | 8.692 | -161859.082 | -45799.474 | 3356 | 1.522 | 1.000 | 19.093 |
| T-5-3 | 3357 | 324 15 50 | 126 31 6 | 5.204 | 7 32 9 | 5.159 | -161857.067 | -45802.376 | 3357 | 1.522 | 1.000 | 19.115 |
| T-5-3 | 3358 | 319 17 14 | 121 32 30 | 5.215 | 7 51 36 | 5.166 | -161856.699 | -45802.120 | 3358 | 1.522 | 1.000 | 19.146 |
| T-5-3 | 3359 | 91 14 49 | 253 30 5 | 30.474 | 6 7 35 | 30.300 | -161862.601 | -45835.575 | 3359 | 1.522 | 1.000 | 21.685 |
| T-5-3 | 3360 | 90 29 57 | 252 45 13 | 31.411 | 7 29 59 | 31.142 | -161863.230 | -45836.264 | 3360 | 1.522 | 1.000 | 22.532 |
| T-5-3 | 3361 | 94 4 38 | 256 19 54 | 32.474 | 6 19 41 | 32.276 | -161861.623 | -45837.885 | 3361 | 1.522 | 1.000 | 22.012 |
| T-5-3 | 3362 | 72 19 30 | 234 34 46 | 33.083 | 10 5 36 | 32.571 | -161872.874 | -45833.065 | 3362 | 1.522 | 1.000 | 24.230 |
| T-5-3 | 3363 | 73 43 28 | 235 58 44 | 30.342 | 7 42 51 | 30.067 | -161870.819 | -45831.443 | 3363 | 1.522 | 1.000 | 22.505 |
| T-5-3 | 3364 | 60 37 50 | 222 53 6 | 29.782 | 7 52 36 | 29.501 | -161875.613 | -45826.599 | 3364 | 1.522 | 1.000 | 22.514 |
| T-5-3 | 3365 | 31 15 22 | 193 30 38 | 27.498 | 5 12 48 | 27.384 | -161880.623 | -45812.920 | 3365 | 1.522 | 1.000 | 20.931 |
| T-5-3 | 3366 | 34 26 59 | 196 42 15 | 26.817 | 5 19 24 | 26.701 | -161879.571 | -45814.197 | 3366 | 1.522 | 1.000 | 20.921 |
| T-5-3 | 3367 | 40 5 53 | 202 21 9 | 35.814 | 3 54 57 | 35.730 | -161887.042 | -45820.111 | 3367 | 1.522 | 1.000 | 20.878 |
| T-5-3 | T-6-3-2 | 0 0 2 | 162 15 18 | 0.000 | 90 0 0 | 0.000 | -161853.997 | -45806.523 | T-6-3-2 | 1.522 | 1.000 | 18.433 |
| T-5-3 | 3368 | 112 1 3 | 274 16 19 | 42.889 | 7 43 11 | 42.500 | -161850.831 | -45848.904 | 3368 | 1.522 | 1.000 | 24.194 |
| T-5-3 | 3369 | 104 1 2 | 266 16 18 | 43.016 | 7 8 49 | 42.682 | -161856.772 | -45849.114 | 3369 | 1.522 | 1.000 | 23.784 |
| T-5-3 | 3370 | 98 44 2 | 260 59 18 | 43.507 | 6 57 24 | 43.187 | -161860.761 | -45849.177 | 3370 | 1.522 | 1.000 | 23.702 |

多 角 測 量 計 算 簿

路線名 L08171335

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|-------|-------|-------|--------|
| T-5-2 | T-5 | | 209 42 24 | | | | -161874.122 | -45785.266 | T-5-2 | | | 17.105 |
| T-5-2 | 3371 | 75 21 33 | 285 3 57 | 42.233 | 1 51 22 | 42.211 | -161863.150 | -45826.026 | 3371 | 1.526 | 1.000 | 18.999 |
| T-5-2 | 3372 | 81 20 22 | 291 2 46 | 51.315 | 1 51 9 | 51.288 | -161855.704 | -45833.133 | 3372 | 1.526 | 1.000 | 19.290 |
| T-5-2 | 3373 | 78 33 12 | 288 15 36 | 46.447 | 1 48 12 | 46.424 | -161859.576 | -45829.352 | 3373 | 1.526 | 1.000 | 19.092 |
| T-5-2 | 3374 | 108 16 57 | 317 59 21 | 16.841 | -3 57 28 | 16.801 | -161861.639 | -45796.510 | 3374 | 1.526 | 1.000 | 16.468 |
| T-5-2 | 3375 | 108 16 57 | 317 59 21 | 16.841 | -3 57 28 | 16.801 | -161861.639 | -45796.510 | 3375 | 1.526 | 1.000 | 16.468 |
| T-5-2 | 3376 | 108 16 57 | 317 59 21 | 16.842 | -3 57 29 | 16.802 | -161861.638 | -45796.511 | 3376 | 1.526 | 1.000 | 16.468 |
| T-5-2 | 3377 | 109 4 3 | 318 46 27 | 20.857 | 4 15 15 | 20.800 | -161858.478 | -45798.974 | 3377 | 1.526 | 1.000 | 19.178 |
| T-5-2 | 3378 | 113 30 11 | 323 12 35 | 10.983 | -2 10 17 | 10.975 | -161865.333 | -45791.839 | 3378 | 1.526 | 1.000 | 17.215 |
| T-5-2 | 3379 | 116 48 50 | 326 31 14 | 9.097 | -3 3 2 | 9.084 | -161866.546 | -45790.277 | 3379 | 1.526 | 1.000 | 17.147 |
| T-5-2 | 3380 | 132 12 5 | 341 54 29 | 10.601 | -3 11 7 | 10.585 | -161864.061 | -45788.553 | 3380 | 1.526 | 1.000 | 17.042 |
| T-5-2 | 3381 | 145 42 18 | 355 24 42 | 13.394 | -2 45 25 | 13.378 | -161860.787 | -45786.336 | 3381 | 1.526 | 1.000 | 16.987 |
| T-5-2 | 3382 | 149 4 17 | 358 46 41 | 12.548 | -2 51 28 | 12.532 | -161861.593 | -45785.533 | 3382 | 1.526 | 1.000 | 17.005 |
| T-5-2 | 3383 | 143 5 4 | 352 47 28 | 10.966 | -3 14 46 | 10.948 | -161863.261 | -45786.640 | 3383 | 1.526 | 1.000 | 17.010 |
| T-5-2 | 3384 | 167 54 55 | 17 37 19 | 10.378 | -3 31 10 | 10.358 | -161864.250 | -45782.130 | 3384 | 1.526 | 1.000 | 16.994 |
| T-5-2 | 3385 | 159 1 14 | 8 43 38 | 6.823 | -5 9 0 | 6.795 | -161867.406 | -45784.235 | 3385 | 1.526 | 1.000 | 17.018 |
| T-5-2 | 3386 | 145 40 36 | 355 23 0 | 4.691 | -7 13 26 | 4.654 | -161869.483 | -45785.641 | 3386 | 1.526 | 1.000 | 17.041 |
| T-5-2 | 3387 | 143 53 18 | 353 35 42 | 4.799 | -7 4 27 | 4.762 | -161869.390 | -45785.797 | 3387 | 1.526 | 1.000 | 17.040 |
| T-5-2 | 3388 | 131 16 15 | 340 58 39 | 3.919 | -8 34 39 | 3.875 | -161870.459 | -45786.529 | 3388 | 1.526 | 1.000 | 17.046 |
| T-5-2 | 3389 | 138 31 6 | 348 13 30 | 3.403 | -9 55 8 | 3.352 | -161870.841 | -45785.950 | 3389 | 1.526 | 1.000 | 17.045 |
| T-5-2 | 3390 | 142 56 35 | 352 38 59 | 3.678 | -9 10 36 | 3.631 | -161870.521 | -45785.731 | 3390 | 1.526 | 1.000 | 17.044 |
| T-5-2 | 3391 | 228 22 34 | 78 4 58 | 3.738 | -9 59 0 | 3.681 | -161873.362 | -45781.664 | 3391 | 1.526 | 1.000 | 16.983 |
| T-5-2 | 3392 | 255 4 43 | 104 47 7 | 8.064 | -5 19 38 | 8.029 | -161876.171 | -45777.503 | 3392 | 1.526 | 1.000 | 16.882 |
| T-5-2 | 3393 | 261 30 53 | 111 13 17 | 12.182 | -3 53 49 | 12.154 | -161878.522 | -45773.936 | 3393 | 1.526 | 1.000 | 16.803 |
| T-5-2 | 3394 | 264 54 48 | 114 37 12 | 17.396 | -3 7 12 | 17.370 | -161881.359 | -45769.475 | 3394 | 1.526 | 1.000 | 16.684 |
| T-5-2 | 3395 | 266 30 35 | 116 12 59 | 22.382 | -2 41 50 | 22.357 | -161883.999 | -45765.209 | 3395 | 1.526 | 1.000 | 16.577 |
| T-5-2 | 3396 | 267 25 23 | 117 7 47 | 27.380 | -2 26 21 | 27.355 | -161886.596 | -45760.921 | 3396 | 1.526 | 1.000 | 16.465 |
| T-5-2 | 3397 | 268 1 49 | 117 44 13 | 32.702 | -2 12 8 | 32.678 | -161889.331 | -45756.343 | 3397 | 1.526 | 1.000 | 16.374 |
| T-5-2 | 3398 | 268 14 26 | 117 56 50 | 35.320 | -2 5 35 | 35.296 | -161890.664 | -45754.086 | 3398 | 1.526 | 1.000 | 16.341 |
| T-5-2 | 3399 | 275 40 23 | 125 22 47 | 34.421 | -2 0 46 | 34.400 | -161894.040 | -45757.219 | 3399 | 1.526 | 1.000 | 16.422 |
| T-5-2 | 3400 | 275 46 56 | 125 29 20 | 33.729 | -2 2 16 | 33.708 | -161893.691 | -45757.820 | 3400 | 1.526 | 1.000 | 16.431 |
| T-5-2 | 3401 | 275 32 24 | 125 14 48 | 29.260 | -2 15 0 | 29.237 | -161890.995 | -45761.389 | 3401 | 1.526 | 1.000 | 16.482 |
| T-5-2 | 3402 | 276 6 19 | 125 48 43 | 25.603 | -2 23 25 | 25.581 | -161889.090 | -45764.521 | 3402 | 1.526 | 1.000 | 16.563 |
| T-5-2 | 3403 | 277 30 4 | 127 12 28 | 19.705 | -2 45 31 | 19.682 | -161886.024 | -45769.590 | 3403 | 1.526 | 1.000 | 16.682 |

多角測量計算簿

路線名 L08171335

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-5-2 | 3404 | 279 53 11 | 129 35 35 | 17.357 | -2 54 20 | 17.335 | -161885.170 | -45771.908 | 3404 | 1.526 | 1.000 | 16.751 |
| T-5-2 | 3405 | 280 12 28 | 129 54 52 | 16.662 | -2 57 59 | 16.640 | -161884.799 | -45772.503 | 3405 | 1.526 | 1.000 | 16.768 |
| T-5-2 | 3406 | 280 36 28 | 130 18 52 | 11.823 | -3 52 3 | 11.796 | -161881.754 | -45776.272 | 3406 | 1.526 | 1.000 | 16.833 |
| T-5-2 | 3407 | 285 46 19 | 135 28 43 | 6.996 | -5 38 26 | 6.962 | -161879.086 | -45780.384 | 3407 | 1.526 | 1.000 | 16.943 |
| T-5-2 | 3408 | 297 45 46 | 147 28 10 | 3.557 | -9 54 24 | 3.504 | -161877.077 | -45783.382 | 3408 | 1.526 | 1.000 | 17.019 |
| T-5-2 | 3409 | 303 18 15 | 153 0 39 | 2.931 | -11 53 1 | 2.868 | -161876.678 | -45783.964 | 3409 | 1.526 | 1.000 | 17.027 |
| T-5-2 | 3410 | 309 48 53 | 159 31 17 | 2.436 | -13 41 21 | 2.367 | -161876.340 | -45784.438 | 3410 | 1.526 | 1.000 | 17.054 |
| T-5-2 | 3411 | 332 43 42 | 182 26 6 | 1.435 | -23 0 40 | 1.321 | -161875.442 | -45785.322 | 3411 | 1.526 | 1.000 | 17.070 |
| T-5-2 | 3412 | 43 59 33 | 253 41 57 | 0.906 | -38 10 32 | 0.712 | -161874.322 | -45785.949 | 3412 | 1.526 | 1.000 | 17.071 |
| T-5-2 | 3413 | 106 50 40 | 316 33 4 | 1.496 | -21 44 50 | 1.390 | -161873.113 | -45786.222 | 3413 | 1.526 | 1.000 | 17.076 |
| T-5-2 | 3414 | 128 3 52 | 337 46 16 | 2.518 | -13 27 11 | 2.449 | -161871.855 | -45786.193 | 3414 | 1.526 | 1.000 | 17.045 |
| T-5-2 | 3415 | 139 49 59 | 349 32 23 | 3.351 | -10 3 42 | 3.299 | -161870.878 | -45785.865 | 3415 | 1.526 | 1.000 | 17.045 |
| T-5-2 | 3416 | 143 19 5 | 353 1 29 | 3.663 | -9 6 50 | 3.617 | -161870.532 | -45785.705 | 3416 | 1.526 | 1.000 | 17.051 |
| T-5-2 | 3417 | 299 11 17 | 148 53 41 | 2.853 | -10 12 15 | 2.808 | -161876.527 | -45783.815 | 3417 | 1.526 | 1.000 | 17.125 |
| T-5-2 | 3418 | 274 26 50 | 124 9 14 | 2.630 | -12 24 38 | 2.569 | -161875.565 | -45783.140 | 3418 | 1.526 | 1.000 | 17.066 |
| T-5-2 | 3419 | 271 31 3 | 121 13 27 | 2.751 | -11 51 40 | 2.692 | -161875.518 | -45782.964 | 3419 | 1.526 | 1.000 | 17.065 |
| T-5-2 | 3420 | 273 17 0 | 122 59 24 | 6.497 | -5 35 32 | 6.466 | -161877.643 | -45779.843 | 3420 | 1.526 | 1.000 | 16.998 |
| T-5-2 | 3421 | 273 21 24 | 123 3 48 | 10.979 | -3 48 23 | 10.955 | -161880.099 | -45776.085 | 3421 | 1.526 | 1.000 | 16.902 |
| T-5-2 | 3422 | 274 1 57 | 123 44 21 | 11.147 | -3 45 14 | 11.123 | -161880.300 | -45776.016 | 3422 | 1.526 | 1.000 | 16.901 |
| T-5-2 | 3423 | 280 2 25 | 129 44 49 | 11.211 | -3 38 18 | 11.188 | -161881.276 | -45776.664 | 3423 | 1.526 | 1.000 | 16.919 |
| T-5-2 | 3424 | 277 48 31 | 127 30 55 | 16.412 | -2 51 22 | 16.392 | -161884.105 | -45772.264 | 3424 | 1.526 | 1.000 | 16.813 |
| T-5-2 | 3425 | 273 48 3 | 123 30 27 | 16.341 | -2 57 24 | 16.319 | -161883.131 | -45771.659 | 3425 | 1.526 | 1.000 | 16.788 |
| T-5-2 | 3426 | 273 17 37 | 123 0 1 | 16.480 | -2 58 43 | 16.458 | -161883.086 | -45771.463 | 3426 | 1.526 | 1.000 | 16.774 |
| T-5-2 | 3427 | 273 6 56 | 122 49 20 | 19.948 | -2 38 7 | 19.927 | -161884.923 | -45768.520 | 3427 | 1.526 | 1.000 | 16.714 |
| T-5-2 | 3428 | 272 52 29 | 122 34 53 | 23.788 | -2 23 36 | 23.767 | -161886.921 | -45765.239 | 3428 | 1.526 | 1.000 | 16.637 |
| T-5-2 | 3429 | 273 13 46 | 122 56 10 | 23.956 | -2 22 37 | 23.935 | -161887.136 | -45765.178 | 3429 | 1.526 | 1.000 | 16.637 |
| T-5-2 | 3430 | 275 55 24 | 125 37 48 | 23.997 | -2 18 12 | 23.978 | -161888.091 | -45765.777 | 3430 | 1.526 | 1.000 | 16.666 |
| T-5-2 | 3431 | 275 8 0 | 124 50 24 | 29.256 | -2 7 5 | 29.236 | -161890.825 | -45761.271 | 3431 | 1.526 | 1.000 | 16.549 |
| T-5-2 | 3432 | 272 53 40 | 122 36 4 | 29.172 | -2 10 42 | 29.151 | -161889.829 | -45760.708 | 3432 | 1.526 | 1.000 | 16.522 |
| T-5-2 | 3433 | 272 35 8 | 122 17 32 | 29.310 | -2 10 51 | 29.289 | -161889.770 | -45760.507 | 3433 | 1.526 | 1.000 | 16.515 |
| T-5-2 | 3434 | 272 27 27 | 122 9 51 | 31.867 | -2 5 9 | 31.846 | -161891.075 | -45758.308 | 3434 | 1.526 | 1.000 | 16.471 |
| T-5-2 | 3435 | 272 18 50 | 122 1 14 | 34.539 | -1 59 17 | 34.518 | -161892.425 | -45756.000 | 3435 | 1.526 | 1.000 | 16.433 |
| T-5-2 | 3436 | 272 34 46 | 122 17 10 | 34.691 | -1 58 16 | 34.670 | -161892.641 | -45755.956 | 3436 | 1.526 | 1.000 | 16.438 |
| T-5-2 | 3437 | 274 26 27 | 124 8 51 | 34.734 | -1 57 10 | 34.714 | -161893.608 | -45756.537 | 3437 | 1.526 | 1.000 | 16.447 |

多角測量計算簿

路線名 L08171335

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-5-2 | 3438 | 270 4 31 | 119 46 55 | 29.542 | -2 12 48 | 29.520 | -161888.785 | -45759.645 | 3438 | 1.526 | 1.000 | 16.490 |
| T-5-2 | 3439 | 257 5 2 | 106 47 26 | 12.836 | -3 44 31 | 12.809 | -161877.823 | -45773.003 | 3439 | 1.526 | 1.000 | 16.793 |
| T-5-2 | 3440 | 256 40 52 | 106 23 16 | 12.575 | -3 46 39 | 12.548 | -161877.663 | -45773.228 | 3440 | 1.526 | 1.000 | 16.802 |
| T-5-2 | 3441 | 258 54 2 | 108 36 26 | 11.984 | -6 25 42 | 11.909 | -161877.922 | -45773.980 | 3441 | 1.526 | 1.000 | 16.289 |
| T-5-2 | 3442 | 175 17 8 | 24 59 32 | 3.266 | -10 3 20 | 3.216 | -161871.207 | -45783.907 | 3442 | 1.526 | 1.000 | 17.060 |
| T-5-2 | 3443 | 176 58 14 | 26 40 38 | 3.755 | -7 17 43 | 3.725 | -161870.794 | -45783.594 | 3443 | 1.526 | 1.000 | 17.154 |
| T-5-2 | 3444 | 150 0 32 | 359 42 56 | 6.320 | -5 4 56 | 6.295 | -161867.827 | -45785.297 | 3444 | 1.526 | 1.000 | 17.071 |
| T-5-2 | 3445 | 121 47 56 | 331 30 20 | 8.350 | -3 30 50 | 8.334 | -161866.798 | -45789.242 | 3445 | 1.526 | 1.000 | 17.119 |
| T-5-2 | 3446 | 75 54 55 | 285 37 19 | 4.862 | -4 40 35 | 4.846 | -161872.817 | -45789.933 | 3446 | 1.526 | 1.000 | 17.234 |
| T-5-2 | 3447 | 107 25 55 | 317 8 19 | 4.335 | -6 37 12 | 4.306 | -161870.966 | -45788.195 | 3447 | 1.526 | 1.000 | 17.131 |
| T-5-2 | t350 | 112 7 55 | 321 50 19 | 13.268 | 0 51 21 | 13.267 | -161863.691 | -45793.463 | t350 | 1.526 | 1.000 | 17.829 |
| T-5-2 | t351 | 149 10 3 | 358 52 27 | 13.588 | -5 50 18 | 13.518 | -161860.607 | -45785.532 | t351 | 1.526 | 1.200 | 16.049 |
| T-5-2 | t352 | 144 4 48 | 353 47 12 | 12.110 | -6 32 34 | 12.031 | -161862.162 | -45786.568 | t352 | 1.526 | 1.200 | 16.051 |
| T-5-2 | t353 | 156 59 23 | 6 41 47 | 17.001 | -4 37 17 | 16.946 | -161857.292 | -45783.290 | t353 | 1.526 | 1.200 | 16.061 |
| T-5-2 | t354 | 167 46 15 | 17 28 39 | 9.571 | -4 37 54 | 9.540 | -161865.023 | -45782.401 | t354 | 1.526 | 1.200 | 16.658 |
| T-5-2 | t355 | 151 35 18 | 1 17 42 | 4.980 | -8 30 29 | 4.925 | -161869.199 | -45785.155 | t355 | 1.526 | 1.200 | 16.694 |
| T-5-2 | 3448 | 141 15 38 | 350 58 2 | 4.357 | -10 42 3 | 4.281 | -161869.894 | -45785.938 | 3448 | 1.526 | 1.200 | 16.622 |
| T-5-2 | 3449 | 138 25 54 | 348 8 18 | 4.127 | -11 22 26 | 4.046 | -161870.163 | -45786.098 | 3449 | 1.526 | 1.200 | 16.617 |
| T-5-2 | t356 | 139 36 23 | 349 18 47 | 4.244 | -10 51 57 | 4.168 | -161870.027 | -45786.039 | t356 | 1.526 | 1.200 | 16.631 |
| T-5-2 | t357 | 142 3 4 | 351 45 28 | 4.177 | -14 26 2 | 4.045 | -161870.119 | -45785.846 | t357 | 1.526 | 1.200 | 16.390 |
| T-5-2 | t358 | 122 13 23 | 331 55 47 | 6.410 | -3 0 25 | 6.401 | -161868.474 | -45788.278 | t358 | 1.526 | 1.200 | 17.094 |
| T-5-2 | t359 | 158 4 11 | 7 46 35 | 3.371 | -12 33 22 | 3.290 | -161870.863 | -45784.821 | t359 | 1.526 | 1.200 | 16.698 |
| T-5-2 | t360 | 161 3 29 | 10 45 53 | 1.686 | -11 41 26 | 1.651 | -161872.500 | -45784.958 | t360 | 1.526 | 1.200 | 17.089 |
| T-5-2 | t361 | 303 8 48 | 152 51 12 | 3.373 | -13 53 48 | 3.274 | -161877.036 | -45783.772 | t361 | 1.526 | 1.200 | 16.621 |
| T-5-2 | t362 | 268 21 11 | 118 3 35 | 14.371 | -2 33 50 | 14.357 | -161880.876 | -45772.597 | t362 | 1.526 | 1.200 | 16.788 |
| T-5-2 | t363 | 262 23 25 | 112 5 49 | 14.462 | -4 13 59 | 14.423 | -161879.548 | -45771.902 | t363 | 1.526 | 1.200 | 16.363 |
| T-5-2 | t364 | 261 20 10 | 111 2 34 | 14.540 | -2 39 59 | 14.524 | -161879.337 | -45771.711 | t364 | 1.526 | 1.200 | 16.754 |
| T-5-2 | t365 | 256 17 44 | 106 0 8 | 14.901 | -2 32 53 | 14.886 | -161878.226 | -45770.957 | t365 | 1.526 | 1.200 | 16.768 |
| T-5-2 | t366 | 269 57 56 | 119 40 20 | 27.998 | -1 52 40 | 27.983 | -161887.975 | -45760.952 | t366 | 1.526 | 1.200 | 16.513 |
| T-5-2 | t367 | 266 57 23 | 116 39 47 | 27.893 | -2 47 34 | 27.860 | -161886.624 | -45760.369 | t367 | 1.526 | 1.200 | 16.072 |
| T-5-2 | t368 | 266 26 28 | 116 8 52 | 27.895 | -2 0 59 | 27.878 | -161886.408 | -45760.241 | t368 | 1.526 | 1.200 | 16.449 |
| T-5-2 | t369 | 260 30 4 | 110 12 28 | 29.006 | -1 40 55 | 28.994 | -161884.138 | -45758.057 | t369 | 1.526 | 1.200 | 16.579 |
| T-5-2 | 3450 | 267 7 53 | 116 50 17 | 32.694 | -1 50 2 | 32.677 | -161888.875 | -45756.109 | 3450 | 1.526 | 1.200 | 16.384 |
| T-5-2 | 3451 | 267 25 34 | 117 7 58 | 35.342 | -1 45 6 | 35.325 | -161890.232 | -45753.828 | 3451 | 1.526 | 1.200 | 16.350 |

多角測量計算簿

路線名 L08171335

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-5-2 | 3452 | 260 59 40 | 110 42 4 | 36.125 | -1 47 28 | 36.107 | -161886.886 | -45751.490 | 3452 | 1.526 | 1.200 | 16.302 |
| T-5-2 | 3453 | 266 13 4 | 115 55 28 | 32.705 | -1 48 3 | 32.689 | -161888.414 | -45755.866 | 3453 | 1.526 | 1.200 | 16.403 |
| T-5-2 | 3454 | 266 32 14 | 116 14 38 | 34.894 | -1 37 58 | 34.880 | -161889.546 | -45753.981 | 3454 | 1.526 | 1.200 | 16.436 |
| T-5-2 | 3455 | 262 25 36 | 112 8 0 | 35.464 | -1 22 36 | 35.454 | -161887.480 | -45752.425 | 3455 | 1.526 | 1.200 | 16.579 |
| T-5-2 | 3456 | 260 9 17 | 109 51 41 | 36.094 | -1 51 56 | 36.075 | -161886.379 | -45751.337 | 3456 | 1.526 | 1.200 | 16.256 |
| T-5-2 | 3457 | 267 6 8 | 116 48 32 | 35.205 | -1 52 3 | 35.186 | -161889.992 | -45753.862 | 3457 | 1.526 | 1.200 | 16.283 |
| T-5-2 | 3458 | 173 27 44 | 23 10 8 | 9.057 | -2 11 58 | 9.050 | -161865.802 | -45781.705 | 3458 | 1.526 | 1.200 | 17.083 |
| T-5-2 | 3459 | 254 56 8 | 104 38 32 | 11.108 | 2 52 2 | 11.094 | -161876.927 | -45774.532 | 3459 | 1.526 | 1.200 | 17.986 |
| T-5-2 | 3460 | 141 12 8 | 350 54 32 | 4.841 | -19 7 11 | 4.574 | -161869.606 | -45785.989 | 3460 | 1.526 | 1.200 | 15.845 |
| T-5-2 | 3461 | 125 33 42 | 335 16 6 | 6.773 | -13 6 2 | 6.597 | -161868.130 | -45788.026 | 3461 | 1.526 | 1.200 | 15.896 |
| T-5-2 | 3462 | 95 50 5 | 305 32 29 | 51.591 | 0 13 18 | 51.591 | -161844.133 | -45827.245 | 3462 | 1.526 | 1.200 | 17.630 |
| T-5-2 | 3463 | 93 18 22 | 303 0 46 | 41.736 | -0 12 42 | 41.736 | -161851.383 | -45820.264 | 3463 | 1.526 | 1.200 | 17.277 |
| T-5-2 | 3464 | 91 48 10 | 301 30 34 | 36.918 | -0 28 48 | 36.917 | -161854.828 | -45816.740 | 3464 | 1.526 | 1.200 | 17.121 |
| T-5-2 | 3465 | 89 59 41 | 299 42 5 | 32.022 | -0 48 58 | 32.019 | -161858.258 | -45813.078 | 3465 | 1.526 | 1.200 | 16.975 |
| T-5-2 | 3466 | 87 48 8 | 297 30 32 | 27.189 | -1 15 58 | 27.182 | -161861.567 | -45809.375 | 3466 | 1.526 | 1.200 | 16.830 |
| T-5-2 | 3467 | 84 49 49 | 294 32 13 | 22.358 | -1 54 29 | 22.346 | -161864.842 | -45805.594 | 3467 | 1.526 | 1.200 | 16.686 |
| T-5-2 | 3468 | 80 35 55 | 290 18 19 | 17.594 | -2 55 30 | 17.571 | -161868.025 | -45801.745 | 3468 | 1.526 | 1.200 | 16.533 |
| T-5-2 | 3469 | 337 6 19 | 186 48 43 | 5.909 | -14 7 24 | 5.730 | -161879.812 | -45785.946 | 3469 | 1.526 | 1.200 | 15.989 |
| T-5-2 | 3470 | 308 27 59 | 158 10 23 | 9.321 | -9 29 17 | 9.193 | -161882.656 | -45781.848 | 3470 | 1.526 | 1.200 | 15.894 |
| T-5-2 | 3471 | 296 7 25 | 145 49 49 | 13.719 | -6 56 25 | 13.618 | -161885.390 | -45777.618 | 3471 | 1.526 | 1.200 | 15.773 |
| T-5-2 | t370 | 156 7 28 | 5 49 52 | 11.694 | -1 53 15 | 11.688 | -161862.495 | -45784.079 | t370 | 1.526 | 1.200 | 17.046 |
| T-5-2 | t371 | 169 43 56 | 19 26 20 | 6.077 | -3 0 4 | 6.069 | -161868.399 | -45783.246 | t371 | 1.526 | 1.200 | 17.113 |

多角測量計算簿

路線名 L08180908

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-4-6 | T-4 | | 145 28 27 | | | | -161898.134 | -45745.601 | T-4-6 | | | 14.665 |
| T-4-6 | 3472 | 174 32 20 | 320 0 47 | 6.427 | -3 27 10 | 6.415 | -161893.219 | -45749.724 | 3472 | 1.423 | 1.000 | 14.701 |
| T-4-6 | 3473 | 231 47 55 | 17 16 22 | 2.352 | -11 58 40 | 2.301 | -161895.937 | -45744.918 | 3473 | 1.423 | 1.000 | 14.600 |
| T-4-6 | 3474 | 310 17 25 | 95 45 52 | 5.548 | -6 7 20 | 5.516 | -161898.688 | -45740.113 | 3474 | 1.423 | 1.000 | 14.496 |
| T-4-6 | 3475 | 321 48 5 | 107 16 32 | 10.312 | -3 47 55 | 10.289 | -161901.190 | -45735.777 | 3475 | 1.423 | 1.000 | 14.404 |
| T-4-6 | 3476 | 324 40 35 | 110 9 2 | 13.260 | -3 13 20 | 13.239 | -161902.695 | -45733.173 | 3476 | 1.423 | 1.000 | 14.342 |
| T-4-6 | 3477 | 140 31 50 | 286 0 17 | 7.345 | -2 7 30 | 7.340 | -161896.110 | -45752.657 | 3477 | 1.423 | 1.000 | 14.815 |
| T-4-6 | 3478 | 102 18 35 | 247 47 2 | 2.312 | -10 36 35 | 2.272 | -161898.993 | -45747.705 | 3478 | 1.423 | 1.000 | 14.662 |
| T-4-6 | 3479 | 357 27 40 | 142 56 7 | 4.578 | -6 36 55 | 4.548 | -161901.763 | -45742.860 | 3479 | 1.423 | 1.000 | 14.560 |
| T-4-6 | 3480 | 351 26 45 | 136 55 12 | 7.845 | -4 18 40 | 7.823 | -161903.848 | -45740.258 | 3480 | 1.423 | 1.000 | 14.498 |
| T-4-6 | 3481 | 350 2 10 | 135 30 37 | 8.518 | -4 7 10 | 8.496 | -161904.195 | -45739.648 | 3481 | 1.423 | 1.000 | 14.476 |
| T-4-6 | 3482 | 346 16 40 | 131 45 7 | 8.693 | -4 3 5 | 8.671 | -161903.908 | -45739.133 | 3482 | 1.423 | 1.000 | 14.473 |
| T-4-6 | 3483 | 140 52 10 | 286 20 37 | 6.713 | -1 47 10 | 6.710 | -161896.246 | -45752.040 | 3483 | 1.423 | 1.000 | 14.878 |
| T-4-6 | 3484 | 150 53 15 | 296 21 42 | 6.536 | -2 17 45 | 6.531 | -161895.234 | -45751.453 | 3484 | 1.423 | 1.000 | 14.826 |
| T-4-6 | 3485 | 152 4 35 | 297 33 2 | 6.396 | -2 28 20 | 6.390 | -161895.179 | -45751.267 | 3485 | 1.423 | 1.000 | 14.812 |
| T-4-6 | 3486 | 145 14 40 | 290 43 7 | 1.825 | -11 58 15 | 1.785 | -161897.503 | -45747.271 | 3486 | 1.423 | 1.000 | 14.709 |
| T-4-6 | 3487 | 338 31 5 | 123 59 32 | 3.809 | -7 25 5 | 3.777 | -161900.246 | -45742.470 | 3487 | 1.423 | 1.000 | 14.596 |
| T-4-6 | 3488 | 336 16 35 | 121 45 2 | 8.323 | -4 2 50 | 8.302 | -161902.503 | -45738.542 | 3488 | 1.423 | 1.000 | 14.500 |
| T-4-6 | 3489 | 337 6 45 | 122 35 12 | 8.489 | -4 0 0 | 8.468 | -161902.695 | -45738.466 | 3489 | 1.423 | 1.000 | 14.495 |
| T-4-6 | 3490 | 342 43 20 | 128 11 47 | 8.577 | -3 55 25 | 8.557 | -161903.426 | -45738.876 | 3490 | 1.423 | 1.000 | 14.501 |
| T-4-6 | 3491 | 321 41 15 | 107 9 42 | 14.198 | -2 56 55 | 14.179 | -161902.318 | -45732.054 | 3491 | 1.423 | 1.000 | 14.357 |
| T-4-6 | 3492 | 326 44 15 | 112 12 42 | 13.981 | -2 58 0 | 13.962 | -161903.412 | -45732.675 | 3492 | 1.423 | 1.000 | 14.364 |
| T-4-6 | 3493 | 326 22 35 | 111 51 2 | 13.210 | -3 12 20 | 13.189 | -161903.043 | -45733.360 | 3493 | 1.423 | 1.000 | 14.349 |
| T-4-6 | 3494 | 321 36 5 | 107 4 32 | 14.144 | -3 0 15 | 14.125 | -161902.282 | -45732.099 | 3494 | 1.423 | 1.000 | 14.346 |
| T-4-6 | 3495 | 327 43 15 | 113 11 42 | 19.048 | -2 12 50 | 19.034 | -161905.631 | -45728.106 | 3495 | 1.423 | 1.000 | 14.352 |
| T-4-6 | 3496 | 330 22 5 | 115 50 32 | 19.245 | -2 18 55 | 19.229 | -161906.516 | -45728.295 | 3496 | 1.423 | 1.000 | 14.310 |
| T-4-6 | 3497 | 333 46 55 | 119 15 22 | 19.684 | -2 21 25 | 19.667 | -161907.746 | -45728.443 | 3497 | 1.423 | 1.000 | 14.278 |
| T-4-6 | 3498 | 335 25 20 | 120 53 47 | 20.013 | -2 20 35 | 19.996 | -161908.402 | -45728.443 | 3498 | 1.423 | 1.000 | 14.269 |
| T-4-6 | 3499 | 336 40 15 | 122 8 42 | 20.493 | -2 17 50 | 20.477 | -161909.029 | -45728.263 | 3499 | 1.423 | 1.000 | 14.266 |
| T-4-6 | 3500 | 337 31 35 | 123 0 2 | 21.057 | -2 15 25 | 21.041 | -161909.594 | -45727.955 | 3500 | 1.423 | 1.000 | 14.258 |
| T-4-6 | 3501 | 338 22 55 | 123 51 22 | 22.267 | -2 8 30 | 22.251 | -161910.530 | -45727.123 | 3501 | 1.423 | 1.000 | 14.256 |
| T-4-6 | 3502 | 338 47 40 | 124 16 7 | 23.525 | -2 3 55 | 23.510 | -161911.372 | -45726.173 | 3502 | 1.423 | 1.000 | 14.240 |
| T-4-6 | 3503 | 338 14 50 | 123 43 17 | 27.785 | -1 54 45 | 27.770 | -161913.551 | -45722.504 | 3503 | 1.423 | 1.000 | 14.160 |
| T-4-6 | 3504 | 337 52 0 | 123 20 27 | 32.119 | -1 48 10 | 32.103 | -161915.779 | -45718.782 | 3504 | 1.423 | 1.000 | 14.077 |

多 角 測 量 計 算 簿

路線名 L08180908

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-4-6 | 3505 | 337 38 10 | 123 6 37 | 36.406 | -1 42 35 | 36.390 | -161918.012 | -45715.120 | 3505 | 1.423 | 1.000 | 14.001 |

多角測量計算簿

路線名 L08180944

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-4-6 | T-4 | | 145 28 27 | | | | -161898.134 | -45745.601 | T-4-6 | | | 14.665 |
| T-4-6 | 3506 | 176 21 15 | 321 49 42 | 5.960 | -3 47 40 | 5.947 | -161893.459 | -45749.277 | 3506 | 1.423 | 1.000 | 14.693 |
| T-4-6 | 3507 | 244 28 10 | 29 56 37 | 2.298 | -12 36 50 | 2.243 | -161896.191 | -45744.482 | 3507 | 1.423 | 1.000 | 14.586 |
| T-4-6 | 3508 | 310 23 35 | 95 52 2 | 5.557 | -6 8 15 | 5.525 | -161898.699 | -45740.105 | 3508 | 1.423 | 1.000 | 14.494 |
| T-4-6 | 3509 | 321 52 20 | 107 20 47 | 10.317 | -3 48 30 | 10.294 | -161901.203 | -45735.776 | 3509 | 1.423 | 1.000 | 14.402 |
| T-4-6 | 3510 | 324 41 30 | 110 9 57 | 13.261 | -3 13 30 | 13.240 | -161902.699 | -45733.173 | 3510 | 1.423 | 1.000 | 14.342 |
| T-4-6 | 3511 | 321 42 10 | 107 10 37 | 14.223 | -2 56 15 | 14.204 | -161902.329 | -45732.031 | 3511 | 1.423 | 1.000 | 14.359 |
| T-4-6 | 3512 | 326 49 45 | 112 18 12 | 13.986 | -2 58 15 | 13.967 | -161903.435 | -45732.679 | 3512 | 1.423 | 1.000 | 14.363 |
| T-4-6 | 3513 | 326 22 25 | 111 50 52 | 13.209 | -3 12 40 | 13.188 | -161903.042 | -45733.361 | 3513 | 1.423 | 1.000 | 14.348 |
| T-4-6 | 3514 | 321 36 15 | 107 4 42 | 14.152 | -3 0 30 | 14.132 | -161902.284 | -45732.093 | 3514 | 1.423 | 1.000 | 14.345 |
| T-4-6 | 3515 | 296 30 0 | 81 58 27 | 17.415 | -2 18 35 | 17.401 | -161895.705 | -45728.371 | 3515 | 1.423 | 1.000 | 14.386 |
| T-4-6 | 3516 | 299 29 10 | 84 57 37 | 23.228 | -1 46 30 | 23.217 | -161896.095 | -45722.474 | 3516 | 1.423 | 1.000 | 14.368 |
| T-4-6 | 3517 | 321 11 35 | 106 40 2 | 19.475 | -2 8 30 | 19.461 | -161903.716 | -45726.958 | 3517 | 1.423 | 1.000 | 14.360 |
| T-4-6 | 3518 | 324 12 5 | 109 40 32 | 18.926 | -2 12 5 | 18.912 | -161904.502 | -45727.794 | 3518 | 1.423 | 1.000 | 14.361 |
| T-4-6 | 3519 | 326 11 40 | 111 40 7 | 19.160 | -2 10 10 | 19.146 | -161905.204 | -45727.808 | 3519 | 1.423 | 1.000 | 14.362 |
| T-4-6 | 3520 | 328 19 30 | 113 47 57 | 25.104 | -1 57 45 | 25.089 | -161908.258 | -45722.646 | 3520 | 1.423 | 1.000 | 14.228 |
| T-4-6 | 3521 | 320 57 40 | 106 26 7 | 26.284 | -1 9 15 | 26.279 | -161905.569 | -45720.396 | 3521 | 1.423 | 1.000 | 14.558 |
| T-4-6 | 3522 | 321 46 0 | 107 14 27 | 26.163 | -1 11 40 | 26.157 | -161905.887 | -45720.620 | 3522 | 1.423 | 1.000 | 14.542 |
| T-4-6 | 3523 | 321 36 30 | 107 4 57 | 25.865 | -1 12 30 | 25.859 | -161905.730 | -45720.883 | 3523 | 1.423 | 1.000 | 14.542 |
| T-4-6 | 3524 | 327 0 5 | 112 28 32 | 25.242 | -1 43 45 | 25.231 | -161907.780 | -45722.287 | 3524 | 1.423 | 1.000 | 14.326 |
| T-4-6 | 3525 | 329 42 25 | 115 10 52 | 32.285 | -1 46 45 | 32.269 | -161911.864 | -45716.399 | 3525 | 1.423 | 1.000 | 14.085 |
| T-4-6 | 3526 | 328 39 55 | 114 8 22 | 32.380 | -0 54 35 | 32.376 | -161911.375 | -45716.057 | 3526 | 1.423 | 1.000 | 14.574 |
| T-4-6 | 3527 | 329 49 10 | 115 17 37 | 32.286 | -1 48 45 | 32.270 | -161911.922 | -45716.425 | 3527 | 1.423 | 1.000 | 14.066 |
| T-4-6 | t372 | 298 31 5 | 83 59 32 | 16.569 | -4 14 25 | 16.524 | -161896.405 | -45729.168 | t372 | 1.423 | 1.000 | 13.863 |
| T-4-6 | t373 | 317 12 55 | 102 41 22 | 14.103 | -6 44 50 | 14.005 | -161901.211 | -45731.938 | t373 | 1.423 | 0.600 | 13.831 |
| T-4-6 | t374 | 324 0 5 | 109 28 32 | 13.773 | -6 54 50 | 13.673 | -161902.693 | -45732.711 | t374 | 1.423 | 0.600 | 13.830 |
| T-4-6 | t375 | 324 13 0 | 109 41 27 | 14.002 | -6 48 30 | 13.903 | -161902.819 | -45732.511 | t375 | 1.423 | 0.600 | 13.828 |
| T-4-6 | 3528 | 323 20 40 | 108 49 7 | 14.048 | -6 53 0 | 13.947 | -161902.633 | -45732.400 | 3528 | 1.423 | 0.600 | 13.804 |
| T-4-6 | 3529 | 325 4 25 | 110 32 52 | 13.967 | -6 52 10 | 13.867 | -161903.001 | -45732.617 | 3529 | 1.423 | 0.600 | 13.817 |
| T-4-6 | t376 | 287 13 20 | 72 41 47 | 10.337 | -4 32 45 | 10.304 | -161895.069 | -45735.764 | t376 | 1.423 | 0.600 | 14.668 |
| T-4-6 | 3530 | 278 27 30 | 63 55 57 | 7.479 | -5 43 55 | 7.442 | -161894.864 | -45738.916 | 3530 | 1.423 | 0.600 | 14.741 |
| T-4-6 | 3531 | 302 14 55 | 87 43 22 | 10.881 | -4 57 20 | 10.840 | -161897.703 | -45734.770 | 3531 | 1.423 | 0.600 | 14.548 |
| T-4-6 | 3532 | 283 49 30 | 69 17 57 | 8.401 | -5 20 40 | 8.364 | -161895.178 | -45737.777 | 3532 | 1.423 | 0.600 | 14.705 |
| T-4-6 | 3533 | 277 46 30 | 63 14 57 | 9.995 | -4 20 25 | 9.966 | -161893.648 | -45736.702 | 3533 | 1.423 | 0.600 | 14.731 |

多角測量計算簿

路線名 L08180944

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-4-6 | 3534 | 276 7 50 | 61 36 17 | 10.545 | -4 6 25 | 10.518 | -161893.132 | -45736.349 | 3534 | 1.423 | 0.600 | 14.732 |
| T-4-6 | 3535 | 272 11 50 | 57 40 17 | 12.234 | -3 32 40 | 12.211 | -161891.604 | -45735.283 | 3535 | 1.423 | 0.600 | 14.731 |
| T-4-6 | 3536 | 271 18 10 | 56 46 37 | 9.731 | -4 15 30 | 9.704 | -161892.817 | -45737.484 | 3536 | 1.423 | 0.600 | 14.765 |
| T-4-6 | 3537 | 293 5 50 | 78 34 17 | 12.513 | -4 11 55 | 12.479 | -161895.662 | -45733.370 | 3537 | 1.423 | 0.600 | 14.572 |
| T-4-6 | 3538 | 262 42 15 | 48 10 42 | 9.729 | -4 3 25 | 9.705 | -161891.663 | -45738.369 | 3538 | 1.423 | 0.600 | 14.799 |
| T-4-6 | 3539 | 273 2 10 | 58 30 37 | 5.635 | -7 16 35 | 5.590 | -161895.214 | -45740.835 | 3539 | 1.423 | 0.600 | 14.774 |
| T-4-6 | 3540 | 274 52 30 | 60 20 57 | 4.222 | -9 38 35 | 4.162 | -161896.075 | -45741.984 | 3540 | 1.423 | 0.600 | 14.780 |
| T-4-6 | 3541 | 258 27 20 | 43 55 47 | 2.967 | -17 54 20 | 2.823 | -161896.101 | -45743.643 | 3541 | 1.423 | 0.600 | 14.575 |
| T-4-6 | 3542 | 208 29 15 | 353 57 42 | 3.465 | -14 25 5 | 3.356 | -161894.797 | -45745.954 | 3542 | 1.423 | 0.600 | 14.625 |
| T-4-6 | 3543 | 220 19 35 | 5 48 2 | 4.857 | -8 32 50 | 4.803 | -161893.356 | -45745.116 | 3543 | 1.423 | 0.600 | 14.766 |
| T-4-6 | 3544 | 172 25 50 | 317 54 17 | 9.270 | -4 31 0 | 9.241 | -161891.277 | -45751.796 | 3544 | 1.423 | 0.600 | 14.758 |
| T-4-6 | 3545 | 171 40 5 | 317 8 32 | 9.652 | -4 15 25 | 9.625 | -161891.079 | -45752.148 | 3545 | 1.423 | 0.600 | 14.771 |
| T-4-6 | t377 | 151 20 5 | 296 48 32 | 29.703 | -0 31 35 | 29.702 | -161884.738 | -45772.111 | t377 | 1.423 | 1.000 | 14.815 |
| T-4-6 | t378 | 159 57 10 | 305 25 37 | 34.487 | 0 17 45 | 34.487 | -161878.143 | -45773.703 | t378 | 1.423 | 1.000 | 15.266 |
| T-4-6 | 3546 | 159 57 10 | 305 25 37 | 34.488 | 0 17 45 | 34.488 | -161878.143 | -45773.704 | 3546 | 1.423 | 1.000 | 15.266 |
| T-4-6 | 3547 | 167 6 50 | 312 35 17 | 34.860 | 1 46 40 | 34.843 | -161874.555 | -45771.254 | 3547 | 1.423 | 1.000 | 16.169 |
| T-4-6 | 3548 | 342 35 25 | 128 3 52 | 8.570 | -3 55 40 | 8.550 | -161903.406 | -45738.870 | 3548 | 1.423 | 1.000 | 14.501 |
| T-4-6 | 3549 | 337 10 50 | 122 39 17 | 8.476 | -4 1 10 | 8.455 | -161902.696 | -45738.483 | 3549 | 1.423 | 1.000 | 14.494 |
| T-4-6 | 3550 | 336 18 55 | 121 47 22 | 8.346 | -4 1 10 | 8.325 | -161902.520 | -45738.525 | 3550 | 1.423 | 1.000 | 14.503 |
| T-4-6 | 3551 | 339 10 50 | 124 39 17 | 3.211 | -8 34 15 | 3.175 | -161899.940 | -45742.990 | 3551 | 1.423 | 1.000 | 14.609 |
| T-4-6 | 3552 | 145 18 20 | 290 46 47 | 1.813 | -12 6 5 | 1.773 | -161897.505 | -45747.259 | 3552 | 1.423 | 1.000 | 14.708 |
| T-4-6 | 3553 | 151 54 45 | 297 23 12 | 6.376 | -2 28 15 | 6.370 | -161895.204 | -45751.257 | 3553 | 1.423 | 1.000 | 14.813 |
| T-4-6 | 3554 | 150 53 30 | 296 21 57 | 6.518 | -2 18 10 | 6.513 | -161895.242 | -45751.437 | 3554 | 1.423 | 1.000 | 14.826 |
| T-4-6 | 3555 | 140 47 0 | 286 15 27 | 6.716 | -1 46 20 | 6.713 | -161896.255 | -45752.046 | 3555 | 1.423 | 1.000 | 14.880 |
| T-4-6 | 3556 | 140 35 5 | 286 3 32 | 7.346 | -2 8 10 | 7.341 | -161896.103 | -45752.656 | 3556 | 1.423 | 1.000 | 14.814 |
| T-4-6 | 3557 | 101 42 35 | 247 11 2 | 2.309 | -10 32 55 | 2.270 | -161899.014 | -45747.694 | 3557 | 1.423 | 1.000 | 14.665 |
| T-4-6 | 3558 | 354 47 5 | 140 15 32 | 5.132 | -6 1 25 | 5.104 | -161902.059 | -45742.338 | 3558 | 1.423 | 1.000 | 14.549 |
| T-4-6 | 3559 | 347 45 10 | 133 13 37 | 7.722 | -4 32 10 | 7.698 | -161903.406 | -45739.992 | 3559 | 1.423 | 1.000 | 14.477 |
| T-4-6 | 3560 | 346 45 15 | 132 13 42 | 8.388 | -4 28 10 | 8.362 | -161903.754 | -45739.410 | 3560 | 1.423 | 1.000 | 14.434 |
| T-4-6 | 3561 | 346 14 5 | 131 42 32 | 8.702 | -4 3 5 | 8.680 | -161903.909 | -45739.121 | 3561 | 1.423 | 1.000 | 14.473 |
| T-4-6 | 3562 | 324 41 0 | 110 9 27 | 13.252 | -3 12 45 | 13.231 | -161902.694 | -45733.181 | 3562 | 1.423 | 1.000 | 14.345 |
| T-4-6 | 3563 | 135 31 0 | 280 59 27 | 6.527 | -2 20 20 | 6.522 | -161896.891 | -45752.004 | 3563 | 1.423 | 1.000 | 14.821 |
| T-4-6 | 3564 | 310 34 55 | 96 3 22 | 13.066 | -2 54 20 | 13.049 | -161899.511 | -45732.625 | 3564 | 1.423 | 1.000 | 14.425 |
| T-4-6 | 3565 | 312 1 20 | 97 29 47 | 12.924 | -2 56 20 | 12.907 | -161899.818 | -45732.805 | 3565 | 1.423 | 1.000 | 14.425 |

多角測量計算簿

路線名 L08180944

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-4-6 | 3566 | 319 30 25 | 104 58 52 | 12.353 | -3 16 0 | 12.333 | -161901.322 | -45733.688 | 3566 | 1.423 | 1.000 | 14.384 |
| T-4-6 | 3567 | 321 7 0 | 106 35 27 | 12.276 | -3 19 55 | 12.255 | -161901.633 | -45733.857 | 3567 | 1.423 | 1.000 | 14.374 |
| T-4-6 | 3568 | 325 28 25 | 110 56 52 | 24.042 | -2 52 20 | 24.012 | -161906.719 | -45723.176 | 3568 | 1.423 | 0.500 | 14.383 |
| T-4-6 | 3569 | 321 22 35 | 106 51 2 | 24.506 | -2 30 45 | 24.482 | -161905.231 | -45722.171 | 3569 | 1.423 | 0.500 | 14.513 |
| T-4-6 | 3570 | 321 35 40 | 107 4 7 | 25.708 | -2 19 50 | 25.687 | -161905.674 | -45721.046 | 3570 | 1.423 | 0.500 | 14.542 |
| T-4-6 | 3571 | 326 8 35 | 111 37 2 | 18.635 | -3 45 25 | 18.595 | -161904.985 | -45728.314 | 3571 | 1.423 | 0.500 | 14.367 |
| T-4-6 | 3572 | 330 43 50 | 116 12 17 | 16.129 | -4 23 5 | 16.082 | -161905.236 | -45731.172 | 3572 | 1.423 | 0.500 | 14.355 |
| T-4-6 | t379 | 304 44 20 | 90 12 47 | 21.515 | -3 50 45 | 21.467 | -161898.214 | -45724.135 | t379 | 1.423 | 1.000 | 13.645 |
| T-4-6 | t380 | 322 43 45 | 108 12 12 | 18.809 | -4 42 35 | 18.745 | -161903.990 | -45727.795 | t380 | 1.423 | 1.400 | 13.143 |
| T-4-6 | t381 | 298 38 30 | 84 6 57 | 19.769 | -0 44 55 | 19.767 | -161896.108 | -45725.939 | t381 | 1.423 | 1.400 | 14.429 |
| T-4-6 | t382 | 325 20 5 | 110 48 32 | 16.206 | -1 6 5 | 16.203 | -161903.890 | -45730.455 | t382 | 1.423 | 1.400 | 14.376 |
| T-4-6 | t383 | 328 52 15 | 114 20 42 | 10.034 | -1 26 35 | 10.031 | -161902.269 | -45736.462 | t383 | 1.423 | 1.400 | 14.435 |
| T-4-6 | t384 | 347 47 35 | 133 16 2 | 8.124 | -3 56 0 | 8.105 | -161903.689 | -45739.700 | t384 | 1.423 | 1.400 | 14.130 |
| T-4-6 | t385 | 165 38 35 | 311 7 2 | 6.034 | 0 30 35 | 6.034 | -161894.166 | -45750.147 | t385 | 1.423 | 1.400 | 14.741 |
| T-4-6 | t386 | 176 7 20 | 321 35 47 | 6.511 | -3 15 15 | 6.501 | -161893.040 | -45749.640 | t386 | 1.423 | 1.400 | 14.318 |
| T-4-6 | t387 | 178 23 55 | 323 52 22 | 6.619 | 0 13 30 | 6.619 | -161892.788 | -45749.504 | t387 | 1.423 | 1.400 | 14.714 |
| T-4-6 | t388 | 146 13 40 | 291 42 7 | 12.626 | -1 4 45 | 12.624 | -161893.466 | -45757.331 | t388 | 1.423 | 1.400 | 14.450 |
| T-4-6 | 3573 | 238 22 15 | 23 50 42 | 4.407 | 1 56 35 | 4.404 | -161894.106 | -45743.821 | 3573 | 1.423 | 1.400 | 14.837 |
| T-4-6 | 3574 | 233 34 10 | 19 2 37 | 2.996 | 0 50 25 | 2.996 | -161895.302 | -45744.624 | 3574 | 1.423 | 1.400 | 14.732 |
| T-4-6 | 3575 | 213 58 35 | 359 27 2 | 3.370 | 1 17 10 | 3.369 | -161894.765 | -45745.634 | 3575 | 1.423 | 1.400 | 14.763 |
| T-4-6 | 3576 | 213 58 35 | 359 27 2 | 3.355 | 1 17 10 | 3.354 | -161894.780 | -45745.634 | 3576 | 1.423 | 1.400 | 14.763 |
| T-4-6 | t389 | 323 34 5 | 109 2 32 | 13.498 | -3 21 30 | 13.475 | -161902.531 | -45732.864 | t389 | 1.423 | 1.400 | 13.897 |
| T-4-6 | 3577 | 327 32 0 | 113 0 27 | 19.036 | -1 1 25 | 19.033 | -161905.573 | -45728.082 | 3577 | 1.423 | 1.400 | 14.348 |
| T-4-6 | 3578 | 330 9 45 | 115 38 12 | 19.244 | -1 7 40 | 19.240 | -161906.459 | -45728.255 | 3578 | 1.423 | 1.400 | 14.309 |
| T-4-6 | 3579 | 332 1 5 | 117 29 32 | 19.420 | -1 9 40 | 19.416 | -161907.097 | -45728.378 | 3579 | 1.423 | 1.400 | 14.294 |
| T-4-6 | 3580 | 333 43 20 | 119 11 47 | 19.681 | -1 12 20 | 19.677 | -161907.733 | -45728.424 | 3580 | 1.423 | 1.400 | 14.274 |
| T-4-6 | 3581 | 335 17 20 | 120 45 47 | 20.001 | -1 12 5 | 19.997 | -161908.362 | -45728.418 | 3581 | 1.423 | 1.400 | 14.268 |
| T-4-6 | 3582 | 336 32 35 | 122 1 2 | 20.475 | -1 11 5 | 20.471 | -161908.987 | -45728.244 | 3582 | 1.423 | 1.400 | 14.264 |
| T-4-6 | 3583 | 337 22 25 | 122 50 52 | 21.051 | -1 10 5 | 21.047 | -161909.550 | -45727.920 | 3583 | 1.423 | 1.400 | 14.259 |
| T-4-6 | 3584 | 337 53 55 | 123 22 22 | 21.663 | -1 8 55 | 21.659 | -161910.048 | -45727.514 | 3584 | 1.423 | 1.400 | 14.253 |
| T-4-6 | 3585 | 338 17 0 | 123 45 27 | 22.275 | -1 7 25 | 22.271 | -161910.510 | -45727.085 | 3585 | 1.423 | 1.400 | 14.251 |
| T-4-6 | 3586 | 338 41 20 | 124 9 47 | 23.538 | -1 5 45 | 23.534 | -161911.350 | -45726.128 | 3586 | 1.423 | 1.400 | 14.237 |
| T-4-6 | 3587 | 338 37 30 | 124 5 57 | 24.131 | -1 6 10 | 24.127 | -161911.660 | -45725.623 | 3587 | 1.423 | 1.400 | 14.223 |
| T-4-6 | 3588 | 338 1 25 | 123 29 52 | 29.060 | -1 5 5 | 29.055 | -161914.170 | -45721.372 | 3588 | 1.423 | 1.400 | 14.138 |

多角測量計算簿

路線名 L08180944

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-4-6 | 3589 | 337 43 50 | 123 12 17 | 32.732 | -1 5 45 | 32.726 | -161916.056 | -45718.219 | 3589 | 1.423 | 1.400 | 14.062 |
| T-4-6 | 3590 | 307 0 35 | 92 29 2 | 28.257 | -0 3 15 | 28.257 | -161899.359 | -45717.371 | 3590 | 1.423 | 1.400 | 14.661 |
| T-4-6 | 3591 | 310 15 20 | 95 43 47 | 27.362 | -0 4 55 | 27.362 | -161900.866 | -45718.376 | 3591 | 1.423 | 1.400 | 14.649 |
| T-4-6 | 3592 | 307 23 25 | 92 51 52 | 29.087 | -0 1 30 | 29.087 | -161899.588 | -45716.551 | 3592 | 1.423 | 1.400 | 14.675 |
| T-4-6 | 3593 | 301 41 35 | 87 10 2 | 25.158 | -0 19 55 | 25.158 | -161896.891 | -45720.474 | 3593 | 1.423 | 1.400 | 14.542 |
| T-4-6 | 3594 | 306 29 35 | 91 58 2 | 23.709 | -0 22 40 | 23.708 | -161898.948 | -45721.907 | 3594 | 1.423 | 1.400 | 14.531 |
| T-4-6 | 3595 | 310 55 0 | 96 23 27 | 27.060 | -0 4 35 | 27.060 | -161901.146 | -45718.710 | 3595 | 1.423 | 1.400 | 14.652 |
| T-4-6 | t390 | 309 44 40 | 95 13 7 | 23.803 | -0 19 25 | 23.803 | -161900.299 | -45721.897 | t390 | 1.423 | 1.400 | 14.553 |
| T-4-6 | t391 | 328 50 40 | 114 19 7 | 36.863 | 0 5 20 | 36.863 | -161913.315 | -45712.009 | t391 | 1.423 | 1.400 | 14.745 |
| T-4-6 | t392 | 326 58 10 | 112 26 37 | 22.139 | -0 53 15 | 22.136 | -161906.585 | -45725.142 | t392 | 1.423 | 1.400 | 14.345 |
| T-4-6 | 3596 | 329 19 45 | 114 48 12 | 24.774 | -1 2 55 | 24.770 | -161908.525 | -45723.116 | 3596 | 1.423 | 1.400 | 14.234 |
| T-4-6 | 3597 | 330 17 55 | 115 46 22 | 29.772 | -1 3 25 | 29.767 | -161911.077 | -45718.795 | 3597 | 1.423 | 1.400 | 14.138 |
| T-4-6 | 3598 | 330 42 50 | 116 11 17 | 32.773 | -1 4 55 | 32.767 | -161912.595 | -45716.198 | 3598 | 1.423 | 1.400 | 14.069 |
| T-4-6 | 3599 | 335 7 5 | 120 35 32 | 32.872 | -1 3 30 | 32.866 | -161914.861 | -45717.310 | 3599 | 1.423 | 1.400 | 14.080 |
| T-4-6 | 3600 | 335 2 0 | 120 30 27 | 28.105 | -1 0 30 | 28.101 | -161912.400 | -45721.391 | 3600 | 1.423 | 1.400 | 14.193 |
| T-4-6 | 3601 | 334 59 30 | 120 27 57 | 24.233 | -1 0 30 | 24.229 | -161910.419 | -45724.718 | 3601 | 1.423 | 1.400 | 14.261 |
| T-4-6 | 3602 | 335 22 50 | 120 51 17 | 24.088 | -0 58 20 | 24.085 | -161910.487 | -45724.925 | 3602 | 1.423 | 1.400 | 14.279 |
| T-4-6 | 3603 | 338 9 0 | 123 37 27 | 24.107 | -0 57 0 | 24.104 | -161911.482 | -45725.530 | 3603 | 1.423 | 1.400 | 14.288 |
| T-4-6 | 3604 | 331 29 25 | 116 57 52 | 38.267 | -1 5 55 | 38.260 | -161915.483 | -45711.501 | 3604 | 1.423 | 1.400 | 13.954 |
| T-4-6 | 3605 | 332 1 55 | 117 30 22 | 42.759 | -1 5 40 | 42.751 | -161917.878 | -45707.683 | 3605 | 1.423 | 1.400 | 13.871 |
| T-4-6 | 3606 | 332 25 15 | 117 53 42 | 46.267 | -1 6 25 | 46.258 | -161919.776 | -45704.718 | 3606 | 1.423 | 1.400 | 13.794 |
| T-4-6 | 3607 | 329 50 45 | 115 19 12 | 32.300 | -1 7 35 | 32.294 | -161911.946 | -45716.410 | 3607 | 1.423 | 1.400 | 14.053 |
| T-4-6 | 3608 | 331 15 20 | 116 43 47 | 41.419 | -1 5 40 | 41.411 | -161916.760 | -45708.616 | 3608 | 1.423 | 1.400 | 13.897 |
| T-4-6 | 3609 | 329 11 50 | 114 40 17 | 41.629 | 0 5 20 | 41.629 | -161915.511 | -45707.772 | 3609 | 1.423 | 1.400 | 14.752 |
| T-4-6 | t393 | 330 24 50 | 115 53 17 | 33.287 | -2 26 10 | 33.257 | -161912.655 | -45715.682 | t393 | 1.423 | 1.000 | 13.673 |
| T-4-6 | t394 | 327 8 45 | 112 37 12 | 19.819 | -3 17 25 | 19.786 | -161905.744 | -45727.337 | t394 | 1.423 | 1.000 | 13.950 |
| T-4-6 | t395 | 332 16 10 | 117 44 37 | 21.817 | -2 3 40 | 21.803 | -161908.284 | -45726.305 | t395 | 1.423 | 1.000 | 14.303 |
| T-4-6 | t396 | 332 36 15 | 118 4 42 | 32.260 | -1 46 10 | 32.245 | -161913.311 | -45717.151 | t396 | 1.423 | 1.000 | 14.092 |
| T-4-6 | 3610 | 327 40 50 | 113 9 17 | 19.042 | -2 12 45 | 19.028 | -161905.616 | -45728.106 | 3610 | 1.423 | 1.000 | 14.353 |
| T-4-6 | 3611 | 326 11 20 | 111 39 47 | 19.158 | -2 10 5 | 19.144 | -161905.201 | -45727.810 | 3611 | 1.423 | 1.000 | 14.363 |
| T-4-6 | 3612 | 321 22 10 | 106 50 37 | 18.561 | -5 0 55 | 18.490 | -161903.492 | -45727.905 | 3612 | 1.423 | 1.000 | 13.465 |
| T-4-6 | 3613 | 319 54 35 | 105 23 2 | 16.522 | -5 32 45 | 16.445 | -161902.497 | -45729.746 | 3613 | 1.423 | 1.000 | 13.491 |

多 角 測 量 計 算 簿

路線名 L08181138

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-4-5 | T-4 | | 269 39 58 | | | | -161936.452 | -45684.987 | T-4-5 | | | 13.331 |
| T-4-5 | 3614 | 42 22 25 | 312 2 23 | 19.893 | -1 47 45 | 19.883 | -161923.138 | -45699.753 | 3614 | 1.501 | 0.500 | 13.709 |
| T-4-5 | 3615 | 44 2 0 | 313 41 58 | 16.321 | -2 26 30 | 16.306 | -161925.187 | -45696.775 | 3615 | 1.501 | 0.500 | 13.637 |
| T-4-5 | 3616 | 43 59 0 | 313 38 58 | 16.223 | -2 26 55 | 16.208 | -161925.265 | -45696.714 | 3616 | 1.501 | 0.500 | 13.639 |
| T-4-5 | 3617 | 47 24 15 | 317 4 13 | 11.803 | -3 47 10 | 11.777 | -161927.829 | -45693.008 | 3617 | 1.501 | 0.500 | 13.553 |
| T-4-5 | 3618 | 52 56 25 | 322 36 23 | 7.932 | -6 17 20 | 7.884 | -161930.189 | -45689.774 | 3618 | 1.501 | 0.500 | 13.464 |
| T-4-5 | 3619 | 67 58 30 | 337 38 28 | 4.273 | -12 43 50 | 4.168 | -161932.598 | -45686.572 | 3619 | 1.501 | 0.500 | 13.391 |
| T-4-5 | 3620 | 138 46 20 | 48 26 18 | 2.360 | -26 1 10 | 2.121 | -161935.045 | -45683.400 | 3620 | 1.501 | 0.500 | 13.297 |
| T-4-5 | 3621 | 193 23 0 | 103 2 58 | 4.975 | -13 9 10 | 4.844 | -161937.546 | -45680.268 | 3621 | 1.501 | 0.500 | 13.200 |

多角測量計算簿

路線名 L08181200

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|---------|-----------|-----------|--------|-----------|--------|-------------|------------|---------|-------|-------|--------|
| T-4-5 | T-4 | | 269 39 58 | | | | -161936.452 | -45684.987 | T-4-5 | | | 13.331 |
| T-4-5 | T-4-5-2 | 41 26 0 | 311 5 58 | 26.287 | -1 8 10 | 26.282 | -161919.175 | -45704.792 | T-4-5-2 | 1.501 | 0.500 | 13.811 |
| T-4-5 | 3622 | 42 0 20 | 311 40 18 | 20.895 | -1 39 50 | 20.886 | -161922.566 | -45700.588 | 3622 | 1.501 | 0.500 | 13.726 |
| T-4-5 | 3623 | 44 3 0 | 313 42 58 | 16.318 | -2 26 40 | 16.303 | -161925.185 | -45696.770 | 3623 | 1.501 | 0.500 | 13.636 |
| T-4-5 | 3624 | 44 0 10 | 313 40 8 | 16.242 | -2 26 55 | 16.227 | -161925.248 | -45696.724 | 3624 | 1.501 | 0.500 | 13.638 |
| T-4-5 | 3625 | 45 43 30 | 315 23 28 | 13.763 | -3 4 35 | 13.743 | -161926.668 | -45694.638 | 3625 | 1.501 | 0.500 | 13.594 |
| T-4-5 | 3626 | 49 40 15 | 319 20 13 | 9.859 | -4 47 40 | 9.825 | -161928.999 | -45691.389 | 3626 | 1.501 | 0.500 | 13.508 |
| T-4-5 | 3627 | 58 11 50 | 327 51 48 | 6.052 | -8 36 40 | 5.984 | -161931.385 | -45688.170 | 3627 | 1.501 | 0.500 | 13.426 |
| T-4-5 | 3628 | 90 17 10 | 359 57 8 | 2.825 | -20 30 30 | 2.646 | -161933.806 | -45684.989 | 3628 | 1.501 | 0.500 | 13.343 |
| T-4-5 | 3629 | 177 6 30 | 86 46 28 | 3.349 | -19 7 30 | 3.164 | -161936.274 | -45681.828 | 3629 | 1.501 | 0.500 | 13.235 |
| T-4-5 | 3630 | 200 59 10 | 110 39 8 | 6.801 | -9 51 50 | 6.700 | -161938.815 | -45678.717 | 3630 | 1.501 | 0.500 | 13.167 |
| T-4-5 | 3631 | 208 9 25 | 117 49 23 | 10.632 | -6 47 45 | 10.557 | -161941.380 | -45675.650 | 3631 | 1.501 | 0.500 | 13.074 |
| T-4-5 | 3632 | 208 5 20 | 117 45 18 | 10.648 | -6 47 25 | 10.573 | -161941.376 | -45675.630 | 3632 | 1.501 | 0.500 | 13.073 |
| T-4-5 | 3633 | 212 9 20 | 121 49 18 | 15.376 | -5 7 30 | 15.315 | -161944.527 | -45671.974 | 3633 | 1.501 | 0.500 | 12.959 |
| T-4-5 | 3634 | 214 39 5 | 124 19 3 | 20.316 | -4 12 55 | 20.261 | -161947.875 | -45668.252 | 3634 | 1.501 | 0.500 | 12.839 |
| T-4-5 | 3635 | 216 24 5 | 126 4 3 | 25.280 | -3 42 15 | 25.227 | -161951.304 | -45664.595 | 3635 | 1.501 | 0.500 | 12.699 |
| T-4-5 | 3636 | 222 5 40 | 131 45 38 | 24.658 | -3 37 0 | 24.609 | -161952.842 | -45666.630 | 3636 | 1.501 | 0.500 | 12.777 |
| T-4-5 | 3637 | 221 45 45 | 131 25 43 | 19.759 | -4 11 50 | 19.706 | -161949.491 | -45670.211 | 3637 | 1.501 | 0.500 | 12.886 |
| T-4-5 | 3638 | 221 34 0 | 131 13 58 | 14.848 | -5 5 20 | 14.789 | -161946.200 | -45673.865 | 3638 | 1.501 | 0.500 | 13.015 |
| T-4-5 | 3639 | 221 39 50 | 131 19 48 | 11.180 | -6 19 0 | 11.112 | -161943.791 | -45676.642 | 3639 | 1.501 | 0.500 | 13.102 |
| T-4-5 | 3640 | 222 2 30 | 131 42 28 | 8.706 | -7 41 10 | 8.628 | -161942.193 | -45678.545 | 3640 | 1.501 | 0.500 | 13.168 |
| T-4-5 | 3641 | 223 0 0 | 132 39 58 | 8.591 | -7 44 5 | 8.513 | -161942.222 | -45678.727 | 3641 | 1.501 | 0.500 | 13.176 |
| T-4-5 | 3642 | 230 36 50 | 140 16 48 | 8.719 | -7 32 25 | 8.644 | -161943.101 | -45679.463 | 3642 | 1.501 | 0.500 | 13.188 |
| T-4-5 | 3643 | 253 45 5 | 163 25 3 | 2.913 | -9 59 25 | 2.869 | -161939.202 | -45684.168 | 3643 | 1.501 | 1.000 | 13.327 |
| T-4-5 | 3644 | 231 15 45 | 140 55 43 | 2.452 | -12 34 45 | 2.393 | -161938.310 | -45683.478 | 3644 | 1.501 | 1.000 | 13.298 |
| T-4-5 | 3645 | 227 46 55 | 137 26 53 | 2.280 | -13 54 5 | 2.213 | -161938.082 | -45683.490 | 3645 | 1.501 | 1.000 | 13.285 |
| T-4-5 | 3646 | 25 45 45 | 295 25 43 | 1.876 | -13 57 20 | 1.821 | -161935.670 | -45686.631 | 3646 | 1.501 | 1.000 | 13.380 |
| T-4-5 | 3647 | 33 23 15 | 303 3 13 | 4.961 | -4 15 20 | 4.947 | -161933.754 | -45689.133 | 3647 | 1.501 | 1.000 | 13.464 |
| T-4-5 | 3648 | 31 33 30 | 301 13 28 | 5.125 | -3 56 15 | 5.113 | -161933.802 | -45689.359 | 3648 | 1.501 | 1.000 | 13.480 |
| T-4-5 | 3649 | 21 35 55 | 291 15 53 | 5.284 | -3 29 55 | 5.274 | -161934.539 | -45689.901 | 3649 | 1.501 | 1.000 | 13.510 |
| T-4-5 | 3650 | 30 35 55 | 300 15 53 | 15.607 | -0 22 0 | 15.607 | -161928.586 | -45698.466 | 3650 | 1.501 | 1.000 | 13.733 |
| T-4-5 | 3651 | 34 49 45 | 304 29 43 | 15.573 | -0 35 15 | 15.572 | -161927.633 | -45697.821 | 3651 | 1.501 | 1.000 | 13.673 |
| T-4-5 | 3652 | 35 19 45 | 304 59 43 | 15.751 | -0 37 0 | 15.750 | -161927.419 | -45697.889 | 3652 | 1.501 | 1.000 | 13.663 |
| T-4-5 | 3653 | 35 16 15 | 304 56 13 | 18.351 | -0 22 30 | 18.351 | -161925.943 | -45700.030 | 3653 | 1.501 | 1.000 | 13.712 |

多角測量計算簿

路線名 L08181200

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-4-5 | 3654 | 35 7 55 | 304 47 53 | 20.809 | -0 14 5 | 20.809 | -161924.577 | -45702.074 | 3654 | 1.501 | 1.000 | 13.747 |
| T-4-5 | 3655 | 34 49 10 | 304 29 8 | 20.945 | -0 12 35 | 20.945 | -161924.593 | -45702.251 | 3655 | 1.501 | 1.000 | 13.756 |
| T-4-5 | 3656 | 31 35 30 | 301 15 28 | 20.935 | -0 3 35 | 20.935 | -161925.589 | -45702.883 | 3656 | 1.501 | 1.000 | 13.811 |
| T-4-5 | 3657 | 33 19 30 | 302 59 28 | 31.032 | 0 15 5 | 31.032 | -161919.555 | -45711.015 | 3657 | 1.501 | 1.000 | 13.969 |
| T-4-5 | 3658 | 34 15 45 | 303 55 43 | 31.043 | 0 13 10 | 31.043 | -161919.125 | -45710.744 | 3658 | 1.501 | 1.000 | 13.951 |
| T-4-5 | 3659 | 34 31 15 | 304 11 13 | 31.186 | 0 12 45 | 31.186 | -161918.929 | -45710.784 | 3659 | 1.501 | 1.000 | 13.948 |
| T-4-5 | 3660 | 34 13 35 | 303 53 33 | 36.328 | 0 20 10 | 36.327 | -161916.195 | -45715.141 | 3660 | 1.501 | 1.000 | 14.046 |
| T-4-5 | 3661 | 31 46 50 | 301 26 48 | 33.510 | 0 14 30 | 33.510 | -161918.970 | -45713.575 | 3661 | 1.501 | 1.000 | 13.974 |
| T-4-5 | 3662 | 31 48 10 | 301 28 8 | 31.052 | 0 16 0 | 31.052 | -161920.242 | -45711.472 | 3662 | 1.501 | 1.000 | 13.977 |
| T-4-5 | 3663 | 31 41 15 | 301 21 13 | 27.573 | 0 4 50 | 27.573 | -161922.105 | -45708.533 | 3663 | 1.501 | 1.000 | 13.871 |
| T-4-5 | 3664 | 31 8 0 | 300 47 58 | 21.549 | -0 11 20 | 21.549 | -161925.418 | -45703.496 | 3664 | 1.501 | 1.000 | 13.761 |
| T-4-5 | 3665 | 30 28 20 | 300 8 18 | 18.059 | -0 26 0 | 18.058 | -161927.385 | -45700.603 | 3665 | 1.501 | 1.000 | 13.696 |
| T-4-5 | 3666 | 29 31 20 | 299 11 18 | 14.997 | -0 45 25 | 14.996 | -161929.139 | -45698.078 | 3666 | 1.501 | 1.000 | 13.634 |
| T-4-5 | 3667 | 26 34 40 | 296 14 38 | 10.173 | -1 43 5 | 10.168 | -161931.956 | -45694.106 | 3667 | 1.501 | 1.000 | 13.527 |
| T-4-5 | 3668 | 21 3 40 | 290 43 38 | 6.586 | -3 16 35 | 6.575 | -161934.125 | -45691.136 | 3668 | 1.501 | 1.000 | 13.456 |
| T-4-5 | 3669 | 343 56 35 | 253 36 33 | 2.379 | -11 37 15 | 2.330 | -161937.110 | -45687.222 | 3669 | 1.501 | 1.000 | 13.353 |
| T-4-5 | 3670 | 250 57 5 | 160 37 3 | 3.537 | -9 27 50 | 3.489 | -161939.743 | -45683.829 | 3670 | 1.501 | 1.000 | 13.251 |
| T-4-5 | 3671 | 232 43 30 | 142 23 28 | 8.122 | -4 51 30 | 8.093 | -161942.863 | -45680.048 | 3671 | 1.501 | 1.000 | 13.145 |
| T-4-5 | 3672 | 228 10 40 | 137 50 38 | 12.937 | -3 31 40 | 12.912 | -161946.024 | -45676.321 | 3672 | 1.501 | 1.000 | 13.036 |
| T-4-5 | 3673 | 226 29 30 | 136 9 28 | 17.807 | -2 56 5 | 17.784 | -161949.279 | -45672.668 | 3673 | 1.501 | 1.000 | 12.921 |
| T-4-5 | 3674 | 225 39 55 | 135 19 53 | 23.325 | -2 35 20 | 23.301 | -161953.024 | -45668.606 | 3674 | 1.501 | 1.000 | 12.779 |
| T-4-5 | 3675 | 203 42 15 | 113 22 13 | 9.612 | -4 24 5 | 9.584 | -161940.254 | -45676.189 | 3675 | 1.501 | 1.000 | 13.095 |
| T-4-5 | 3676 | 204 12 40 | 113 52 38 | 10.004 | 3 18 50 | 9.987 | -161940.495 | -45675.854 | 3676 | 1.501 | 1.000 | 14.411 |
| T-4-5 | 3677 | 204 40 0 | 114 19 58 | 10.233 | 5 28 40 | 10.186 | -161940.649 | -45675.705 | 3677 | 1.501 | 1.000 | 14.809 |
| T-4-5 | 3678 | 172 57 40 | 82 37 38 | 13.564 | 4 6 35 | 13.529 | -161934.716 | -45671.569 | 3678 | 1.501 | 1.000 | 14.804 |
| T-4-5 | 3679 | 172 8 20 | 81 48 18 | 13.419 | 2 23 45 | 13.407 | -161934.541 | -45671.716 | 3679 | 1.501 | 1.000 | 14.393 |
| T-4-5 | 3680 | 171 14 25 | 80 54 23 | 13.241 | -0 53 5 | 13.239 | -161934.360 | -45671.914 | 3680 | 1.501 | 1.000 | 13.628 |
| T-4-5 | 3681 | 183 26 35 | 93 6 33 | 9.514 | -2 56 40 | 9.501 | -161936.968 | -45675.500 | 3681 | 1.501 | 1.000 | 13.344 |
| T-4-5 | 3682 | 172 43 35 | 82 23 33 | 7.414 | -3 29 20 | 7.400 | -161935.473 | -45677.652 | 3682 | 1.501 | 1.000 | 13.381 |
| T-4-5 | 3683 | 169 28 5 | 79 8 3 | 7.426 | -3 21 0 | 7.413 | -161935.055 | -45677.706 | 3683 | 1.501 | 1.000 | 13.398 |
| T-4-5 | 3684 | 169 23 55 | 79 3 53 | 7.836 | -3 4 30 | 7.825 | -161934.968 | -45677.304 | 3684 | 1.501 | 1.000 | 13.412 |
| T-4-5 | 3685 | 180 30 5 | 90 10 3 | 9.867 | -2 37 55 | 9.857 | -161936.481 | -45675.130 | 3685 | 1.501 | 1.000 | 13.379 |
| T-4-5 | 3686 | 172 10 0 | 81 49 58 | 11.157 | -1 38 35 | 11.152 | -161934.868 | -45673.948 | 3686 | 1.501 | 1.000 | 13.513 |
| T-4-5 | 3687 | 181 18 40 | 90 58 38 | 10.238 | -2 27 0 | 10.229 | -161936.627 | -45674.759 | 3687 | 1.501 | 1.000 | 13.395 |

多角測量計算簿

路線名 L08181200

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-4-5 | 3688 | 173 49 35 | 83 29 33 | 11.383 | -1 35 40 | 11.379 | -161935.163 | -45673.681 | 3688 | 1.501 | 1.000 | 13.516 |
| T-4-5 | 3689 | 171 4 40 | 80 44 38 | 11.912 | -1 16 25 | 11.909 | -161934.537 | -45673.233 | 3689 | 1.501 | 1.000 | 13.568 |
| T-4-5 | 3690 | 57 11 30 | 326 51 28 | 15.208 | -0 24 5 | 15.208 | -161923.718 | -45693.301 | 3690 | 1.501 | 1.000 | 13.726 |
| T-4-5 | 3691 | 61 46 25 | 331 26 23 | 12.754 | -0 37 40 | 12.753 | -161925.251 | -45691.084 | 3691 | 1.501 | 1.000 | 13.693 |
| T-4-5 | 3692 | 63 30 50 | 333 10 48 | 12.664 | -0 34 45 | 12.663 | -161925.151 | -45690.700 | 3692 | 1.501 | 1.000 | 13.704 |
| T-4-5 | 3693 | 64 5 45 | 333 45 43 | 13.038 | -0 30 30 | 13.037 | -161924.758 | -45690.750 | 3693 | 1.501 | 1.000 | 13.717 |
| T-4-5 | 3694 | 59 14 10 | 328 54 8 | 15.447 | -0 15 45 | 15.447 | -161923.225 | -45692.965 | 3694 | 1.501 | 1.000 | 13.762 |
| T-4-5 | 3695 | 65 37 30 | 335 17 28 | 16.364 | 0 5 25 | 16.364 | -161921.586 | -45691.827 | 3695 | 1.501 | 1.000 | 13.858 |
| T-4-5 | 3696 | 72 53 35 | 342 33 33 | 17.822 | 0 27 45 | 17.821 | -161919.450 | -45690.328 | 3696 | 1.501 | 1.000 | 13.976 |
| T-4-5 | 3697 | 71 53 15 | 341 33 13 | 18.080 | 0 30 15 | 18.079 | -161919.302 | -45690.707 | 3697 | 1.501 | 1.000 | 13.991 |
| T-4-5 | 3698 | 67 1 15 | 336 41 13 | 17.051 | 0 15 55 | 17.051 | -161920.793 | -45691.735 | 3698 | 1.501 | 1.000 | 13.911 |
| T-4-5 | 3699 | 64 41 45 | 334 21 43 | 16.635 | 0 7 30 | 16.635 | -161921.455 | -45692.184 | 3699 | 1.501 | 1.000 | 13.869 |
| T-4-5 | 3700 | 58 59 15 | 328 39 13 | 15.823 | -0 13 10 | 15.823 | -161922.939 | -45693.218 | 3700 | 1.501 | 1.000 | 13.772 |
| T-4-5 | 3701 | 46 10 30 | 315 50 28 | 15.721 | -0 46 50 | 15.720 | -161925.175 | -45695.938 | 3701 | 1.501 | 1.000 | 13.618 |
| T-4-5 | 3702 | 70 11 35 | 339 51 33 | 18.866 | 0 32 0 | 18.865 | -161918.741 | -45691.482 | 3702 | 1.501 | 1.000 | 14.008 |
| T-4-5 | 3703 | 40 8 0 | 309 47 58 | 14.502 | -0 50 25 | 14.500 | -161927.171 | -45696.127 | 3703 | 1.501 | 1.000 | 13.620 |
| T-4-5 | 3704 | 46 43 5 | 316 23 3 | 15.783 | 1 6 25 | 15.780 | -161925.028 | -45695.872 | 3704 | 1.501 | 1.000 | 14.137 |
| T-4-5 | 3705 | 59 59 0 | 329 38 58 | 17.056 | 1 0 40 | 17.053 | -161921.736 | -45693.603 | 3705 | 1.501 | 1.000 | 14.133 |
| T-4-5 | 3706 | 232 18 20 | 141 58 18 | 14.261 | -3 35 30 | 14.233 | -161947.664 | -45676.218 | 3706 | 1.501 | 1.000 | 12.939 |
| T-4-5 | 3707 | 219 11 30 | 128 51 28 | 25.680 | -2 29 0 | 25.656 | -161952.549 | -45665.008 | 3707 | 1.501 | 1.000 | 12.720 |
| T-4-5 | t397 | 219 33 40 | 129 13 38 | 27.716 | -2 23 15 | 27.692 | -161953.965 | -45663.535 | t397 | 1.501 | 1.000 | 12.678 |
| T-4-5 | t398 | 216 33 45 | 126 13 43 | 27.774 | -3 13 45 | 27.730 | -161952.841 | -45662.618 | t398 | 1.501 | 1.000 | 12.268 |
| T-4-5 | t399 | 206 46 45 | 116 26 43 | 10.665 | -6 15 30 | 10.601 | -161941.173 | -45675.495 | t399 | 1.501 | 1.000 | 12.670 |
| T-4-5 | t400 | 207 10 10 | 116 50 8 | 10.980 | -6 3 35 | 10.919 | -161941.381 | -45675.243 | t400 | 1.501 | 1.000 | 12.673 |
| T-4-5 | t401 | 214 4 35 | 123 44 33 | 10.144 | -4 6 25 | 10.118 | -161942.072 | -45676.573 | t401 | 1.501 | 1.000 | 13.106 |
| T-4-5 | t402 | 46 53 55 | 316 33 53 | 6.029 | -3 39 15 | 6.017 | -161932.083 | -45689.123 | t402 | 1.501 | 1.000 | 13.448 |
| T-4-5 | t403 | 59 52 20 | 329 32 18 | 6.365 | -7 16 55 | 6.314 | -161931.010 | -45688.188 | t403 | 1.501 | 1.000 | 13.026 |
| T-4-5 | t404 | 65 26 55 | 335 6 53 | 5.670 | -4 6 0 | 5.655 | -161931.322 | -45687.366 | t404 | 1.501 | 1.000 | 13.427 |
| T-4-5 | t405 | 96 16 20 | 5 56 18 | 9.483 | -0 32 45 | 9.483 | -161927.020 | -45684.005 | t405 | 1.501 | 1.000 | 13.742 |
| T-4-5 | t406 | 45 8 0 | 314 47 58 | 15.738 | -2 16 50 | 15.726 | -161925.371 | -45696.145 | t406 | 1.501 | 1.000 | 13.206 |
| T-4-5 | t407 | 44 45 20 | 314 25 18 | 16.467 | -2 0 15 | 16.457 | -161924.933 | -45696.740 | t407 | 1.501 | 1.000 | 13.257 |
| T-4-5 | t408 | 37 49 55 | 307 29 53 | 23.298 | -0 6 20 | 23.298 | -161922.270 | -45703.471 | t408 | 1.501 | 1.000 | 13.789 |
| T-4-5 | t409 | 41 44 0 | 311 23 58 | 23.419 | -1 5 55 | 23.415 | -161920.968 | -45702.551 | t409 | 1.501 | 1.000 | 13.383 |
| T-4-5 | t410 | 42 22 25 | 312 2 23 | 23.471 | -0 10 35 | 23.471 | -161920.735 | -45702.418 | t410 | 1.501 | 1.000 | 13.760 |

多 角 測 量 計 算 簿

路線名 L08181200

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-4-5 | 3708 | 192 11 50 | 101 51 48 | 8.918 | -3 56 5 | 8.897 | -161938.281 | -45676.280 | 3708 | 1.501 | 1.000 | 13.220 |
| T-4-5 | 3709 | 196 58 55 | 106 38 53 | 8.563 | -4 18 50 | 8.539 | -161938.899 | -45676.806 | 3709 | 1.501 | 1.000 | 13.188 |
| T-4-5 | 3710 | 214 50 10 | 124 30 8 | 24.060 | -0 56 10 | 24.057 | -161950.079 | -45665.161 | 3710 | 1.501 | 1.000 | 13.439 |
| T-4-5 | 3711 | 182 3 45 | 91 43 43 | 31.273 | 0 38 15 | 31.271 | -161937.396 | -45653.730 | 3711 | 1.501 | 1.000 | 14.180 |
| T-4-5 | 3712 | 201 49 10 | 111 29 8 | 11.722 | 2 29 35 | 11.711 | -161940.742 | -45674.089 | 3712 | 1.501 | 1.000 | 14.342 |
| T-4-5 | 3713 | 211 33 30 | 121 13 28 | 22.216 | 1 15 50 | 22.211 | -161947.966 | -45665.993 | 3713 | 1.501 | 1.000 | 14.322 |
| T-4-5 | t411 | 202 35 0 | 112 14 58 | 15.397 | 1 52 20 | 15.389 | -161942.279 | -45670.743 | t411 | 1.501 | 1.000 | 14.335 |
| T-4-5 | t412 | 203 34 30 | 113 14 28 | 22.121 | 1 16 5 | 22.116 | -161945.179 | -45664.665 | t412 | 1.501 | 1.000 | 14.322 |
| T-4-5 | 3714 | 47 42 15 | 317 22 13 | 16.789 | 6 25 10 | 16.684 | -161924.177 | -45696.286 | 3714 | 1.501 | 1.000 | 15.710 |
| T-4-5 | 3715 | 42 1 25 | 311 41 23 | 30.239 | 3 27 35 | 30.184 | -161916.377 | -45707.527 | 3715 | 1.501 | 1.000 | 15.657 |
| T-4-5 | 3716 | 44 56 5 | 314 36 3 | 21.182 | 0 34 25 | 21.181 | -161921.580 | -45700.068 | 3716 | 1.501 | 1.000 | 14.044 |
| T-4-5 | 3717 | 43 20 40 | 313 0 38 | 21.075 | 0 28 40 | 21.074 | -161922.077 | -45700.396 | 3717 | 1.501 | 1.000 | 14.008 |
| T-4-5 | 3718 | 44 2 10 | 313 42 8 | 19.531 | 0 27 15 | 19.530 | -161922.959 | -45699.106 | 3718 | 1.501 | 1.000 | 13.987 |
| T-4-5 | 3719 | 45 44 55 | 315 24 53 | 19.625 | 0 37 30 | 19.624 | -161922.476 | -45698.762 | 3719 | 1.501 | 1.000 | 14.046 |

多 角 測 量 計 算 簿

路線名 L08181414

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|---------|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-4-5 | T-4-5-2 | | 311 5 58 | | | | -161936.452 | -45684.987 | T-4-5 | | | 13.331 |
| T-4-5 | 3720 | 349 30 30 | 300 36 28 | 9.837 | -3 25 15 | 9.819 | -161931.453 | -45693.438 | 3720 | 1.556 | 1.000 | 13.300 |
| T-4-5 | 3721 | 352 51 15 | 303 57 13 | 9.809 | -4 8 50 | 9.783 | -161930.988 | -45693.101 | 3721 | 1.556 | 1.000 | 13.178 |
| T-4-5 | 3722 | 353 1 5 | 304 7 3 | 10.283 | -4 4 20 | 10.257 | -161930.699 | -45693.478 | 3722 | 1.556 | 1.000 | 13.157 |
| T-4-5 | 3723 | 349 51 25 | 300 57 23 | 10.214 | -3 21 10 | 10.197 | -161931.207 | -45693.731 | 3723 | 1.556 | 1.000 | 13.290 |
| T-4-5 | t413 | 351 40 10 | 302 46 8 | 10.095 | -5 49 0 | 10.043 | -161931.016 | -45693.431 | t413 | 1.556 | 1.000 | 12.864 |
| T-4-5 | 3724 | 339 23 50 | 290 29 48 | 2.721 | -12 19 50 | 2.658 | -161935.521 | -45687.476 | 3724 | 1.556 | 1.000 | 13.306 |
| T-4-5 | 3725 | 329 43 30 | 280 49 28 | 2.327 | -13 25 55 | 2.263 | -161936.027 | -45687.209 | 3725 | 1.556 | 1.000 | 13.347 |
| T-4-5 | 3726 | 171 15 30 | 122 21 28 | 1.689 | -18 40 15 | 1.600 | -161937.309 | -45683.635 | 3726 | 1.556 | 1.000 | 13.347 |
| T-4-5 | 3727 | 207 56 25 | 159 2 23 | 1.993 | -12 51 25 | 1.943 | -161938.267 | -45684.292 | 3727 | 1.556 | 1.000 | 13.444 |
| T-4-5 | 3728 | 183 41 45 | 134 47 43 | 3.963 | -6 46 20 | 3.935 | -161939.225 | -45682.194 | 3728 | 1.556 | 1.000 | 13.420 |
| T-4-5 | 3729 | 177 37 5 | 128 43 3 | 3.900 | -6 56 10 | 3.871 | -161938.873 | -45681.966 | 3729 | 1.556 | 1.000 | 13.416 |
| T-4-5 | 3730 | 177 5 5 | 128 11 3 | 4.317 | -6 15 30 | 4.291 | -161939.105 | -45681.614 | 3730 | 1.556 | 1.000 | 13.417 |
| T-4-5 | 3731 | 231 17 0 | 182 22 58 | 8.039 | 0 42 35 | 8.038 | -161944.483 | -45685.321 | 3731 | 1.556 | 1.000 | 13.987 |
| T-4-5 | 3732 | 171 19 35 | 122 25 33 | 4.352 | -6 16 10 | 4.326 | -161938.772 | -45681.335 | 3732 | 1.556 | 1.000 | 13.412 |
| T-4-5 | 3733 | 79 32 5 | 30 38 3 | 34.809 | -1 30 20 | 34.797 | -161906.512 | -45667.256 | 3733 | 1.556 | 1.000 | 12.973 |
| T-4-5 | 3734 | 75 10 35 | 26 16 33 | 35.541 | -0 27 25 | 35.540 | -161904.584 | -45669.253 | 3734 | 1.556 | 1.000 | 13.604 |
| T-4-5 | 3735 | 79 27 45 | 30 33 43 | 35.515 | -0 25 10 | 35.514 | -161905.872 | -45666.929 | 3735 | 1.556 | 1.000 | 13.627 |
| T-4-5 | 3736 | 72 33 5 | 23 39 3 | 30.009 | -1 37 40 | 29.997 | -161908.975 | -45672.953 | 3736 | 1.556 | 1.000 | 13.035 |
| T-4-5 | 3737 | 75 10 5 | 26 16 3 | 30.011 | -1 46 50 | 29.997 | -161909.553 | -45671.711 | 3737 | 1.556 | 1.000 | 12.955 |
| T-4-5 | 3738 | 79 16 15 | 30 22 13 | 27.702 | -2 42 25 | 27.671 | -161912.578 | -45670.996 | 3738 | 1.556 | 1.000 | 12.579 |
| T-4-5 | 3739 | 79 18 30 | 30 24 28 | 27.341 | -2 42 30 | 27.310 | -161912.899 | -45671.164 | 3739 | 1.556 | 1.000 | 12.595 |
| T-4-5 | 3740 | 79 18 5 | 30 24 3 | 26.863 | -2 43 0 | 26.833 | -161913.309 | -45671.408 | 3740 | 1.556 | 1.000 | 12.614 |
| T-4-5 | 3741 | 79 19 50 | 30 25 48 | 26.500 | -2 42 40 | 26.470 | -161913.628 | -45671.580 | 3741 | 1.556 | 1.000 | 12.634 |
| T-4-5 | 3742 | 74 55 0 | 26 0 58 | 28.073 | -2 50 30 | 28.038 | -161911.255 | -45672.688 | 3742 | 1.556 | 1.000 | 12.496 |
| T-4-5 | 3743 | 75 46 35 | 26 52 33 | 28.037 | -2 49 10 | 28.003 | -161911.474 | -45672.328 | 3743 | 1.556 | 1.000 | 12.508 |
| T-4-5 | 3744 | 75 43 35 | 26 49 33 | 27.622 | -2 49 0 | 27.589 | -161911.832 | -45672.536 | 3744 | 1.556 | 1.000 | 12.530 |
| T-4-5 | 3745 | 75 34 20 | 26 40 18 | 25.457 | -2 47 0 | 25.427 | -161913.731 | -45673.573 | 3745 | 1.556 | 1.000 | 12.651 |
| T-4-5 | 3746 | 140 23 55 | 91 29 53 | 7.132 | -0 31 10 | 7.132 | -161936.639 | -45677.857 | 3746 | 1.556 | 1.000 | 13.823 |
| T-4-5 | 3747 | 154 24 25 | 105 30 23 | 13.381 | -1 5 15 | 13.379 | -161940.029 | -45672.095 | 3747 | 1.556 | 1.000 | 13.633 |
| T-3 | T-2 | | 147 41 16 | | | | -161997.171 | -45653.036 | T-3 | | | 12.440 |
| T-3 | T-3-2 | 273 3 15 | 60 44 31 | 21.109 | -0 33 15 | 21.108 | -161986.855 | -45634.621 | T-3-2 | 1.513 | 0.500 | 13.249 |
| T-3 | T-3-3 | 312 23 45 | 100 5 1 | 27.418 | -1 52 30 | 27.403 | -162001.969 | -45626.056 | T-3-3 | 1.513 | 0.500 | 12.556 |

多角測量計算簿

路線名 L08181414

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|---------|-------|-----------|-----------|--------|----------|--------|-------------|------------|---------|-------|-------|--------|
| T-4-5-2 | T-4-5 | | 131 5 58 | | | | -161919.175 | -45704.792 | T-4-5-2 | | | 13.811 |
| T-4-5-2 | 3748 | 162 55 55 | 294 1 53 | 36.951 | 0 8 30 | 36.951 | -161904.127 | -45738.540 | 3748 | 1.531 | 1.000 | 14.434 |
| T-4-5-2 | 3749 | 163 0 40 | 294 6 38 | 36.350 | 0 6 15 | 36.350 | -161904.326 | -45737.971 | 3749 | 1.531 | 1.000 | 14.408 |
| T-4-5-2 | 3750 | 163 14 25 | 294 20 23 | 35.705 | 0 5 20 | 35.705 | -161904.460 | -45737.323 | 3750 | 1.531 | 1.000 | 14.398 |
| T-4-5-2 | 3751 | 163 36 40 | 294 42 38 | 35.125 | 0 4 10 | 35.125 | -161904.492 | -45736.701 | 3751 | 1.531 | 1.000 | 14.385 |
| T-4-5-2 | 3752 | 164 6 40 | 295 12 38 | 34.567 | 0 2 30 | 34.567 | -161904.452 | -45736.066 | 3752 | 1.531 | 1.000 | 14.367 |
| T-4-5-2 | 3753 | 164 48 0 | 295 53 58 | 34.085 | 0 0 40 | 34.085 | -161904.287 | -45735.453 | 3753 | 1.531 | 1.000 | 14.349 |
| T-4-5-2 | 3754 | 165 20 10 | 296 26 8 | 33.845 | 0 0 40 | 33.845 | -161904.108 | -45735.098 | 3754 | 1.531 | 1.000 | 14.349 |
| T-3-2 | T-3 | | 240 44 31 | | | | -161986.855 | -45634.621 | T-3-2 | | | 13.249 |
| T-3-2 | 3755 | 76 16 0 | 317 0 31 | 42.435 | 0 36 50 | 42.433 | -161955.817 | -45663.555 | 3755 | 1.530 | 1.000 | 14.233 |
| T-3-2 | 3756 | 76 34 20 | 317 18 51 | 36.915 | 0 32 35 | 36.913 | -161959.720 | -45659.647 | 3756 | 1.530 | 1.000 | 14.129 |
| T-3-2 | 3757 | 76 45 10 | 317 29 41 | 32.011 | 0 22 55 | 32.010 | -161963.256 | -45656.249 | 3757 | 1.530 | 1.000 | 13.992 |
| T-3-2 | 3758 | 76 45 50 | 317 30 21 | 27.116 | 0 12 30 | 27.116 | -161966.861 | -45652.938 | 3758 | 1.530 | 1.000 | 13.877 |
| T-3-2 | 3759 | 76 40 5 | 317 24 36 | 23.820 | 0 0 55 | 23.820 | -161969.318 | -45650.741 | 3759 | 1.530 | 1.000 | 13.785 |
| T-3-2 | 3760 | 76 18 50 | 317 3 21 | 23.678 | 0 1 5 | 23.678 | -161969.522 | -45650.752 | 3760 | 1.530 | 1.000 | 13.786 |
| T-3-2 | 3761 | 73 45 30 | 314 30 1 | 23.739 | 0 4 35 | 23.739 | -161970.216 | -45651.553 | 3761 | 1.530 | 1.000 | 13.810 |
| T-3-2 | 3762 | 72 39 45 | 313 24 16 | 18.460 | -0 13 45 | 18.460 | -161974.170 | -45648.032 | 3762 | 1.530 | 1.000 | 13.705 |
| T-3-2 | 3763 | 75 41 20 | 316 25 51 | 18.421 | -0 19 25 | 18.421 | -161973.508 | -45647.317 | 3763 | 1.530 | 1.000 | 13.675 |
| T-3-2 | 3764 | 76 8 20 | 316 52 51 | 18.258 | -0 21 40 | 18.258 | -161973.527 | -45647.100 | 3764 | 1.530 | 1.000 | 13.664 |
| T-3-2 | 3765 | 75 49 15 | 316 33 46 | 16.171 | -0 35 0 | 16.170 | -161975.113 | -45645.739 | 3765 | 1.530 | 1.000 | 13.614 |
| T-3-2 | 3766 | 74 51 40 | 315 36 11 | 13.544 | -0 47 5 | 13.543 | -161977.178 | -45644.096 | 3766 | 1.530 | 1.000 | 13.593 |
| T-3-2 | 3767 | 74 12 50 | 314 57 21 | 13.354 | -0 50 40 | 13.353 | -161977.420 | -45644.070 | 3767 | 1.530 | 1.000 | 13.582 |
| T-3-2 | 3768 | 69 14 5 | 309 58 36 | 13.593 | -0 43 50 | 13.592 | -161978.122 | -45645.036 | 3768 | 1.530 | 1.000 | 13.606 |
| T-3-2 | 3769 | 91 20 30 | 332 5 1 | 8.606 | -1 8 0 | 8.604 | -161979.252 | -45638.649 | 3769 | 1.530 | 1.000 | 13.609 |
| T-3-2 | 3770 | 88 34 10 | 329 18 41 | 8.579 | -1 4 30 | 8.577 | -161979.479 | -45638.998 | 3770 | 1.530 | 1.000 | 13.618 |
| T-3-2 | 3771 | 80 28 5 | 321 12 36 | 8.807 | -1 19 50 | 8.805 | -161979.992 | -45640.137 | 3771 | 1.530 | 1.000 | 13.574 |
| T-3-2 | 3772 | 73 53 55 | 314 38 26 | 9.495 | -1 38 5 | 9.491 | -161980.186 | -45641.374 | 3772 | 1.530 | 1.000 | 13.508 |
| T-3-2 | 3773 | 69 32 45 | 310 17 16 | 10.576 | -1 38 5 | 10.572 | -161980.018 | -45642.685 | 3773 | 1.530 | 1.000 | 13.477 |
| T-3-2 | 3774 | 67 47 40 | 308 32 11 | 11.781 | -1 28 20 | 11.777 | -161979.517 | -45643.833 | 3774 | 1.530 | 1.000 | 13.476 |
| T-3-2 | 3775 | 67 51 15 | 308 35 46 | 13.017 | -1 14 5 | 13.014 | -161978.736 | -45644.792 | 3775 | 1.530 | 1.000 | 13.498 |
| T-3-2 | 3776 | 69 55 55 | 310 40 26 | 15.516 | -0 48 55 | 15.514 | -161976.743 | -45646.387 | 3776 | 1.530 | 1.000 | 13.558 |
| T-3-2 | 3777 | 72 31 35 | 313 16 6 | 21.314 | -0 10 30 | 21.314 | -161972.246 | -45650.141 | 3777 | 1.530 | 1.000 | 13.714 |
| T-3-2 | 3778 | 73 29 10 | 314 13 41 | 26.516 | 0 6 10 | 26.516 | -161968.359 | -45653.621 | 3778 | 1.530 | 1.000 | 13.826 |

多角測量計算簿

路線名 L08181414

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-3-2 | 3779 | 73 59 40 | 314 44 11 | 31.422 | 0 18 0 | 31.422 | -161964.738 | -45656.941 | 3779 | 1.530 | 1.000 | 13.943 |
| T-3-2 | 3780 | 74 12 30 | 314 57 1 | 36.317 | 0 28 5 | 36.316 | -161961.198 | -45660.322 | 3780 | 1.530 | 1.000 | 14.076 |
| T-3-2 | 3781 | 74 14 35 | 314 59 6 | 41.816 | 0 34 35 | 41.814 | -161957.295 | -45664.195 | 3781 | 1.530 | 1.000 | 14.199 |
| T-3-2 | 3782 | 79 51 5 | 320 35 36 | 40.994 | 0 31 25 | 40.992 | -161955.182 | -45660.643 | 3782 | 1.530 | 1.000 | 14.153 |
| T-3-2 | 3783 | 80 38 55 | 321 23 26 | 35.530 | 0 23 15 | 35.529 | -161959.092 | -45656.791 | 3783 | 1.530 | 1.000 | 14.019 |
| T-3-2 | 3784 | 81 31 45 | 322 16 16 | 30.040 | 0 11 30 | 30.040 | -161963.096 | -45653.003 | 3784 | 1.530 | 1.000 | 13.879 |
| T-3-2 | 3785 | 82 25 15 | 323 9 46 | 24.883 | -0 5 50 | 24.883 | -161966.940 | -45649.539 | 3785 | 1.530 | 1.000 | 13.737 |
| T-3-2 | 3786 | 83 21 0 | 324 5 31 | 20.522 | -0 20 25 | 20.522 | -161970.233 | -45646.657 | 3786 | 1.530 | 1.000 | 13.657 |
| T-3-2 | 3787 | 84 29 15 | 325 13 46 | 16.515 | -0 47 45 | 16.513 | -161973.290 | -45644.038 | 3787 | 1.530 | 1.000 | 13.549 |
| T-3-2 | 3788 | 85 42 25 | 326 26 56 | 12.985 | -1 21 45 | 12.981 | -161976.036 | -45641.795 | 3788 | 1.530 | 1.000 | 13.470 |
| T-3-2 | 3789 | 87 23 45 | 328 8 16 | 7.709 | -1 15 15 | 7.707 | -161980.309 | -45638.689 | 3789 | 1.530 | 1.000 | 13.610 |
| T-3-2 | 3790 | 96 32 45 | 337 17 16 | 7.978 | -1 28 45 | 7.975 | -161979.498 | -45637.700 | 3790 | 1.530 | 1.000 | 13.573 |
| T-3-2 | 3791 | 95 9 10 | 335 53 41 | 8.719 | -1 18 40 | 8.717 | -161978.898 | -45638.181 | 3791 | 1.530 | 1.000 | 13.579 |
| T-3-2 | 3792 | 117 2 0 | 357 46 31 | 10.477 | -1 17 45 | 10.474 | -161976.389 | -45635.027 | 3792 | 1.530 | 1.000 | 13.542 |
| T-3-2 | 3793 | 146 48 45 | 27 33 16 | 7.155 | -2 2 20 | 7.150 | -161980.516 | -45631.313 | 3793 | 1.530 | 1.000 | 13.524 |
| T-3-2 | 3794 | 108 14 15 | 348 58 46 | 3.349 | -6 8 5 | 3.330 | -161983.586 | -45635.257 | 3794 | 1.530 | 1.000 | 13.421 |
| T-3-2 | 3795 | 106 15 30 | 347 0 1 | 3.547 | -5 39 25 | 3.530 | -161983.415 | -45635.415 | 3795 | 1.530 | 1.000 | 13.429 |
| T-3-2 | 3796 | 85 4 25 | 325 48 56 | 3.218 | -6 43 55 | 3.196 | -161984.211 | -45636.416 | 3796 | 1.530 | 1.000 | 13.402 |
| T-3-2 | 3797 | 85 50 5 | 326 34 36 | 2.540 | -9 7 0 | 2.508 | -161984.761 | -45636.002 | 3797 | 1.530 | 1.000 | 13.376 |
| T-3-2 | 3798 | 101 57 45 | 342 42 16 | 2.691 | -8 3 40 | 2.664 | -161984.311 | -45635.413 | 3798 | 1.530 | 1.000 | 13.401 |
| T-3-2 | 3799 | 139 51 25 | 20 35 56 | 1.235 | -24 54 10 | 1.120 | -161985.806 | -45634.227 | 3799 | 1.530 | 1.000 | 13.259 |
| T-3-2 | 3800 | 249 43 25 | 130 27 56 | 3.998 | -11 23 10 | 3.919 | -161989.398 | -45631.639 | 3800 | 1.530 | 1.000 | 12.990 |
| T-3-2 | 3801 | 257 51 40 | 138 36 11 | 8.928 | -6 23 0 | 8.873 | -161993.511 | -45628.753 | 3801 | 1.530 | 1.000 | 12.786 |
| T-3-2 | 3802 | 260 31 0 | 141 15 31 | 13.916 | -4 55 0 | 13.865 | -161997.669 | -45625.944 | 3802 | 1.530 | 1.000 | 12.586 |
| T-3-2 | 3803 | 261 49 5 | 142 33 36 | 18.419 | -4 11 25 | 18.370 | -162001.440 | -45623.453 | 3803 | 1.530 | 1.000 | 12.433 |
| T-3-2 | 3804 | 262 58 0 | 143 42 31 | 24.425 | -3 39 5 | 24.375 | -162006.501 | -45620.193 | 3804 | 1.530 | 1.000 | 12.223 |
| T-3-2 | 3805 | 263 44 35 | 144 29 6 | 29.940 | -3 20 50 | 29.889 | -162011.183 | -45617.258 | 3805 | 1.530 | 1.000 | 12.031 |
| T-3-2 | 3806 | 271 17 45 | 152 2 16 | 30.222 | -3 10 15 | 30.176 | -162013.508 | -45620.472 | 3806 | 1.530 | 1.000 | 12.107 |
| T-3-2 | 3807 | 271 54 25 | 152 38 56 | 26.245 | -3 23 0 | 26.199 | -162010.125 | -45622.584 | 3807 | 1.530 | 1.000 | 12.230 |
| T-3-2 | 3808 | 272 25 30 | 153 10 1 | 23.792 | -3 30 40 | 23.747 | -162008.045 | -45623.902 | 3808 | 1.530 | 1.000 | 12.322 |
| T-3-2 | 3809 | 273 37 20 | 154 21 51 | 19.836 | -3 51 50 | 19.791 | -162004.697 | -45626.058 | 3809 | 1.530 | 1.000 | 12.442 |
| T-3-2 | 3810 | 274 39 45 | 155 24 16 | 17.415 | -4 6 25 | 17.370 | -162002.649 | -45627.391 | 3810 | 1.530 | 1.000 | 12.532 |
| T-3-2 | 3811 | 278 24 20 | 159 8 51 | 12.492 | -4 54 15 | 12.446 | -161998.485 | -45630.190 | 3811 | 1.530 | 1.000 | 12.711 |
| T-3-2 | 3812 | 287 5 15 | 167 49 46 | 7.844 | -6 34 20 | 7.792 | -161994.471 | -45632.978 | 3812 | 1.530 | 1.000 | 12.881 |

多角測量計算簿

路線名 L08181414

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-3-2 | 3813 | 323 31 5 | 204 15 36 | 3.616 | -11 10 55 | 3.547 | -161990.088 | -45636.078 | 3813 | 1.530 | 1.000 | 13.078 |
| T-3-2 | 3814 | 343 6 40 | 223 51 11 | 3.006 | -11 53 25 | 2.942 | -161988.976 | -45636.659 | 3814 | 1.530 | 1.000 | 13.159 |
| T-3-2 | 3815 | 8 9 55 | 248 54 26 | 2.461 | -12 51 45 | 2.399 | -161987.718 | -45636.859 | 3815 | 1.530 | 1.000 | 13.231 |
| T-3-2 | 3816 | 39 52 20 | 280 36 51 | 2.169 | -13 54 10 | 2.105 | -161986.467 | -45636.690 | 3816 | 1.530 | 1.000 | 13.258 |
| T-3-2 | 3817 | 74 37 0 | 315 21 31 | 2.243 | -11 25 35 | 2.199 | -161985.290 | -45636.166 | 3817 | 1.530 | 1.000 | 13.334 |
| T-3-2 | 3818 | 102 5 15 | 342 49 46 | 2.678 | -8 15 30 | 2.650 | -161984.323 | -45635.403 | 3818 | 1.530 | 1.000 | 13.394 |
| T-3-2 | 3819 | 313 16 35 | 194 1 6 | 3.787 | -9 54 10 | 3.731 | -161990.474 | -45635.525 | 3819 | 1.530 | 1.000 | 13.128 |
| T-3-2 | 3820 | 298 10 25 | 178 54 56 | 3.025 | -12 53 20 | 2.949 | -161989.803 | -45634.565 | 3820 | 1.530 | 1.000 | 13.104 |
| T-3-2 | 3821 | 295 14 10 | 175 58 41 | 3.050 | -12 47 50 | 2.974 | -161989.821 | -45634.412 | 3821 | 1.530 | 1.000 | 13.103 |
| T-3-2 | 3822 | 276 45 50 | 157 30 21 | 7.046 | -6 40 20 | 6.998 | -161993.320 | -45631.943 | 3822 | 1.530 | 1.000 | 12.960 |
| T-3-2 | 3823 | 271 54 15 | 152 38 46 | 11.493 | -4 58 15 | 11.450 | -161997.024 | -45629.360 | 3823 | 1.530 | 1.000 | 12.783 |
| T-3-2 | 3824 | 272 27 0 | 153 11 31 | 11.661 | -4 54 10 | 11.618 | -161997.224 | -45629.381 | 3824 | 1.530 | 1.000 | 12.782 |
| T-3-2 | 3825 | 278 9 55 | 158 54 26 | 11.857 | -4 43 20 | 11.817 | -161997.880 | -45630.368 | 3825 | 1.530 | 1.000 | 12.803 |
| T-3-2 | 3826 | 273 44 45 | 154 29 16 | 17.988 | -3 53 5 | 17.947 | -162003.052 | -45626.891 | 3826 | 1.530 | 1.000 | 12.560 |
| T-3-2 | 3827 | 270 9 45 | 150 54 16 | 17.848 | -3 54 10 | 17.807 | -162002.415 | -45625.962 | 3827 | 1.530 | 1.000 | 12.564 |
| T-3-2 | 3828 | 269 32 5 | 150 16 36 | 17.971 | -3 55 45 | 17.929 | -162002.425 | -45625.731 | 3828 | 1.530 | 1.000 | 12.547 |
| T-3-2 | 3829 | 269 23 40 | 150 8 11 | 18.931 | -3 51 15 | 18.888 | -162003.235 | -45625.216 | 3829 | 1.530 | 1.000 | 12.506 |
| T-3-2 | 3830 | 269 53 25 | 150 37 56 | 19.132 | -3 50 5 | 19.089 | -162003.490 | -45625.259 | 3830 | 1.530 | 1.000 | 12.499 |
| T-3-2 | 3831 | 273 16 30 | 154 1 1 | 19.218 | -3 44 5 | 19.177 | -162004.093 | -45626.219 | 3831 | 1.530 | 1.000 | 12.527 |
| T-3-2 | 3832 | 271 49 35 | 152 34 6 | 24.399 | -3 13 45 | 24.360 | -162008.476 | -45623.398 | 3832 | 1.530 | 1.000 | 12.404 |
| T-3-2 | 3833 | 269 11 25 | 149 55 56 | 24.333 | -3 20 35 | 24.292 | -162007.878 | -45622.450 | 3833 | 1.530 | 1.000 | 12.360 |
| T-3-2 | 3834 | 268 48 5 | 149 32 36 | 24.478 | -3 21 50 | 24.436 | -162007.919 | -45622.235 | 3834 | 1.530 | 1.000 | 12.343 |
| T-3-2 | 3835 | 268 41 50 | 149 26 21 | 25.390 | -3 19 0 | 25.347 | -162008.681 | -45621.733 | 3835 | 1.530 | 1.000 | 12.310 |
| T-3-2 | 3836 | 268 59 45 | 149 44 16 | 25.563 | -3 19 55 | 25.520 | -162008.897 | -45621.760 | 3836 | 1.530 | 1.000 | 12.293 |
| T-3-2 | 3837 | 271 34 10 | 152 18 41 | 25.627 | -3 15 20 | 25.586 | -162009.511 | -45622.732 | 3837 | 1.530 | 1.000 | 12.323 |
| T-3-2 | 3838 | 270 51 20 | 151 35 51 | 30.846 | -3 2 50 | 30.802 | -162013.949 | -45619.969 | 3838 | 1.530 | 1.000 | 12.139 |
| T-3-2 | 3839 | 268 45 20 | 149 29 51 | 30.801 | -3 4 55 | 30.756 | -162013.354 | -45619.010 | 3839 | 1.530 | 1.000 | 12.123 |
| T-3-2 | 3840 | 268 28 35 | 149 13 6 | 30.912 | -3 5 35 | 30.867 | -162013.373 | -45618.824 | 3840 | 1.530 | 1.000 | 12.111 |
| T-3-2 | 3841 | 268 24 45 | 149 9 16 | 31.835 | -3 3 30 | 31.790 | -162014.148 | -45618.321 | 3841 | 1.530 | 1.000 | 12.080 |
| T-3-2 | 3842 | 268 38 25 | 149 22 56 | 32.015 | -3 3 15 | 31.970 | -162014.368 | -45618.338 | 3842 | 1.530 | 1.000 | 12.073 |
| T-3-2 | 3843 | 270 46 30 | 151 31 1 | 32.037 | -3 1 10 | 31.993 | -162014.975 | -45619.363 | 3843 | 1.530 | 1.000 | 12.091 |
| T-3-2 | 3844 | 270 29 45 | 151 14 16 | 30.518 | -3 5 15 | 30.474 | -162013.569 | -45619.957 | 3844 | 1.530 | 1.000 | 12.135 |
| T-3-2 | t414 | 265 9 10 | 145 53 41 | 22.329 | -3 40 20 | 22.283 | -162005.305 | -45622.126 | t414 | 1.530 | 1.000 | 12.349 |
| T-3-2 | t415 | 261 54 50 | 142 39 21 | 21.966 | -4 49 10 | 21.888 | -162004.256 | -45621.344 | t415 | 1.530 | 1.000 | 11.933 |

多 角 測 量 計 算 簿

路線名 L08181414

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|----------|--------|-------------|------------|------|-------|-------|--------|
| T-3-2 | t416 | 261 10 50 | 141 55 21 | 21.959 | -3 46 45 | 21.911 | -162004.102 | -45621.108 | t416 | 1.530 | 1.000 | 12.331 |
| T-3-2 | t417 | 264 39 35 | 145 24 6 | 9.336 | -5 55 50 | 9.286 | -161994.498 | -45629.348 | t417 | 1.530 | 1.000 | 12.814 |
| T-3-2 | t418 | 256 32 10 | 137 16 41 | 9.508 | -8 29 15 | 9.404 | -161993.763 | -45628.241 | t418 | 1.530 | 1.000 | 12.376 |
| T-3-2 | t419 | 148 51 5 | 29 35 36 | 7.311 | -1 32 35 | 7.308 | -161980.500 | -45631.012 | t419 | 1.530 | 1.400 | 13.182 |
| T-3-2 | t420 | 110 46 10 | 351 30 41 | 3.177 | -5 30 30 | 3.162 | -161983.727 | -45635.088 | t420 | 1.530 | 1.400 | 13.074 |
| T-3-2 | t421 | 103 28 35 | 344 13 6 | 3.075 | -7 32 55 | 3.048 | -161983.922 | -45635.450 | t421 | 1.530 | 1.400 | 12.975 |
| T-3-2 | t422 | 104 49 0 | 345 33 31 | 2.943 | -8 23 45 | 2.911 | -161984.036 | -45635.347 | t422 | 1.530 | 1.400 | 12.949 |
| T-3-2 | t423 | 94 29 10 | 335 13 41 | 8.414 | -2 44 5 | 8.404 | -161979.224 | -45638.142 | t423 | 1.530 | 1.400 | 12.977 |
| T-3-2 | t424 | 90 9 15 | 330 53 46 | 8.362 | -3 0 5 | 8.351 | -161979.558 | -45638.683 | t424 | 1.530 | 1.400 | 12.941 |
| T-3-2 | t425 | 91 33 25 | 332 17 56 | 8.000 | -3 45 35 | 7.983 | -161979.787 | -45638.332 | t425 | 1.530 | 1.400 | 12.854 |
| T-3-2 | 3845 | 92 46 55 | 333 31 26 | 7.962 | -3 27 5 | 7.948 | -161979.740 | -45638.164 | 3845 | 1.530 | 1.400 | 12.900 |
| T-3-2 | 3846 | 90 35 55 | 331 20 26 | 7.944 | -3 46 55 | 7.927 | -161979.899 | -45638.423 | 3846 | 1.530 | 1.400 | 12.855 |
| T-3-2 | 3847 | 91 2 25 | 331 46 56 | 8.445 | -3 42 35 | 8.427 | -161979.429 | -45638.605 | 3847 | 1.530 | 1.400 | 12.832 |
| T-3-2 | 3848 | 89 11 50 | 329 56 21 | 8.375 | -3 52 55 | 8.356 | -161979.623 | -45638.806 | 3848 | 1.530 | 1.400 | 12.812 |
| T-3-2 | t426 | 123 42 35 | 4 27 6 | 11.291 | -2 33 20 | 11.280 | -161975.609 | -45633.745 | t426 | 1.530 | 1.400 | 12.875 |
| T-3-2 | t427 | 135 10 45 | 15 55 16 | 8.887 | 0 52 0 | 8.886 | -161978.309 | -45632.183 | t427 | 1.530 | 1.400 | 13.513 |
| T-3-2 | t428 | 93 16 50 | 334 1 21 | 6.008 | 0 48 35 | 6.007 | -161981.455 | -45637.252 | t428 | 1.530 | 1.400 | 13.464 |
| T-3-2 | t429 | 86 35 55 | 327 20 26 | 13.052 | -1 38 5 | 13.047 | -161975.870 | -45641.662 | t429 | 1.530 | 1.400 | 13.006 |
| T-3-2 | t430 | 88 27 40 | 329 12 11 | 10.481 | 0 48 35 | 10.480 | -161977.852 | -45639.987 | t430 | 1.530 | 1.400 | 13.527 |
| T-3-2 | t431 | 83 27 10 | 324 11 41 | 22.057 | -0 24 40 | 22.056 | -161968.967 | -45647.524 | t431 | 1.530 | 1.400 | 13.221 |
| T-3-2 | t432 | 81 3 30 | 321 48 1 | 35.065 | 0 16 30 | 35.065 | -161959.298 | -45656.305 | t432 | 1.530 | 1.400 | 13.547 |
| T-3-2 | t433 | 78 36 20 | 319 20 51 | 34.481 | 0 58 20 | 34.476 | -161960.699 | -45657.081 | t433 | 1.530 | 1.400 | 13.964 |
| T-3-2 | t434 | 80 29 45 | 321 14 16 | 13.207 | 0 21 40 | 13.207 | -161976.556 | -45642.890 | t434 | 1.530 | 1.400 | 13.462 |
| T-3-2 | t435 | 81 20 5 | 322 4 36 | 9.998 | 1 0 35 | 9.996 | -161978.969 | -45640.764 | t435 | 1.530 | 1.400 | 13.555 |
| T-3-2 | t436 | 90 16 50 | 331 1 21 | 10.151 | 1 0 5 | 10.149 | -161977.976 | -45639.538 | t436 | 1.530 | 1.400 | 13.556 |
| T-3-2 | 3849 | 87 45 10 | 328 29 41 | 12.731 | 0 13 45 | 12.731 | -161976.000 | -45641.274 | 3849 | 1.530 | 1.400 | 13.430 |
| T-3-2 | 3850 | 87 51 55 | 328 36 26 | 12.729 | 0 13 45 | 12.729 | -161975.989 | -45641.251 | 3850 | 1.530 | 1.400 | 13.430 |
| T-3-2 | 3851 | 89 56 0 | 330 40 31 | 8.788 | 1 15 20 | 8.786 | -161979.194 | -45638.924 | 3851 | 1.530 | 1.400 | 13.571 |
| T-3-2 | 3852 | 91 30 30 | 332 15 1 | 5.817 | 0 49 15 | 5.816 | -161981.708 | -45637.329 | 3852 | 1.530 | 1.400 | 13.462 |
| T-3-2 | 3853 | 100 36 40 | 341 21 11 | 3.460 | -0 25 10 | 3.460 | -161983.576 | -45635.727 | 3853 | 1.530 | 1.400 | 13.354 |
| T-3-2 | 3854 | 119 7 50 | 359 52 21 | 5.658 | 0 36 5 | 5.658 | -161981.197 | -45634.633 | 3854 | 1.530 | 1.400 | 13.438 |
| T-3-2 | 3855 | 133 48 25 | 14 32 56 | 7.407 | 0 39 30 | 7.407 | -161979.685 | -45632.760 | 3855 | 1.530 | 1.400 | 13.464 |
| T-3-2 | 3856 | 138 10 30 | 18 55 1 | 8.230 | 0 44 5 | 8.229 | -161979.070 | -45631.953 | 3856 | 1.530 | 1.400 | 13.484 |
| T-3-2 | 3857 | 130 52 35 | 11 37 6 | 6.001 | 0 29 35 | 6.001 | -161980.977 | -45633.412 | 3857 | 1.530 | 1.400 | 13.430 |

多角測量計算簿

路線名 L08181414

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-3-2 | 3858 | 134 47 5 | 15 31 36 | 6.598 | 0 28 30 | 6.598 | -161980.497 | -45632.855 | 3858 | 1.530 | 1.400 | 13.434 |
| T-3-2 | 3859 | 139 33 5 | 20 17 36 | 6.253 | 0 34 45 | 6.253 | -161980.990 | -45632.452 | 3859 | 1.530 | 1.400 | 13.442 |
| T-3-2 | 3860 | 104 47 35 | 345 32 6 | 5.179 | 1 14 50 | 5.178 | -161981.841 | -45635.914 | 3860 | 1.530 | 1.400 | 13.492 |
| T-3-2 | 3861 | 84 54 0 | 325 38 31 | 5.921 | 1 3 5 | 5.920 | -161981.967 | -45637.962 | 3861 | 1.530 | 1.400 | 13.487 |
| T-3-2 | 3862 | 81 59 55 | 322 44 26 | 10.722 | 0 55 40 | 10.721 | -161978.322 | -45641.112 | 3862 | 1.530 | 1.400 | 13.552 |
| T-3-2 | 3863 | 58 17 55 | 299 2 26 | 18.136 | -0 11 45 | 18.136 | -161978.051 | -45650.477 | 3863 | 1.530 | 1.400 | 13.317 |
| T-3-2 | 3864 | 256 59 25 | 137 43 56 | 11.610 | -1 24 5 | 11.607 | -161995.444 | -45626.814 | 3864 | 1.530 | 1.400 | 13.095 |
| T-3-2 | 3865 | 84 1 40 | 324 46 11 | 22.953 | 0 38 10 | 22.952 | -161968.106 | -45647.861 | 3865 | 1.530 | 1.400 | 13.634 |
| T-3-2 | 3866 | 86 48 55 | 327 33 26 | 23.043 | 1 47 29 | 23.032 | -161967.417 | -45646.976 | 3866 | 1.530 | 1.400 | 14.099 |
| T-3-2 | t437 | 222 21 10 | 103 5 41 | 7.408 | 2 41 0 | 7.400 | -161988.531 | -45627.413 | t437 | 1.530 | 1.000 | 14.126 |
| T-3-2 | 3867 | 231 28 55 | 112 13 26 | 14.230 | 2 47 35 | 14.213 | -161992.230 | -45621.464 | 3867 | 1.530 | 1.000 | 14.472 |
| T-3-3 | T-3 | | 280 5 1 | | | | -162001.969 | -45626.056 | T-3-3 | | | 12.556 |
| T-3-3 | 3868 | 132 51 20 | 52 56 21 | 7.203 | -3 38 35 | 7.188 | -161997.637 | -45620.320 | 3868 | 1.544 | 1.000 | 12.642 |
| T-3-3 | 3869 | 137 34 40 | 57 39 41 | 7.165 | -3 47 5 | 7.149 | -161998.145 | -45620.016 | 3869 | 1.544 | 1.000 | 12.627 |
| T-3-3 | 3870 | 142 39 20 | 62 44 21 | 7.180 | -3 50 10 | 7.164 | -161998.687 | -45619.688 | 3870 | 1.544 | 1.000 | 12.620 |
| T-3-3 | 3871 | 147 23 30 | 67 28 31 | 7.244 | -3 52 55 | 7.227 | -161999.200 | -45619.381 | 3871 | 1.544 | 1.000 | 12.609 |
| T-3-3 | 3872 | 127 34 15 | 47 39 16 | 6.935 | -3 55 50 | 6.919 | -161997.308 | -45620.942 | 3872 | 1.544 | 1.000 | 12.625 |
| T-3-3 | 3873 | 116 32 45 | 36 37 46 | 3.646 | -9 1 20 | 3.601 | -161999.079 | -45623.908 | 3873 | 1.544 | 1.000 | 12.528 |
| T-3-3 | 3874 | 153 44 0 | 73 49 1 | 3.478 | -10 38 20 | 3.418 | -162001.016 | -45622.774 | 3874 | 1.544 | 1.000 | 12.458 |
| T-3-3 | 3875 | 146 8 20 | 66 13 21 | 6.868 | -4 18 35 | 6.849 | -161999.207 | -45619.789 | 3875 | 1.544 | 1.000 | 12.584 |
| T-3-3 | 3876 | 217 53 45 | 137 58 46 | 19.241 | -3 47 10 | 19.199 | -162016.232 | -45613.205 | 3876 | 1.544 | 1.000 | 11.829 |
| T-3-3 | 3877 | 208 51 10 | 128 56 11 | 20.091 | -3 3 25 | 20.062 | -162014.577 | -45610.451 | 3877 | 1.544 | 1.000 | 12.028 |
| T-3-3 | 3878 | 210 7 50 | 130 12 51 | 22.540 | -2 47 35 | 22.513 | -162016.504 | -45608.865 | 3878 | 1.544 | 1.000 | 12.002 |
| T-3-3 | 3879 | 208 16 35 | 128 21 36 | 22.947 | -2 40 55 | 22.922 | -162016.194 | -45608.083 | 3879 | 1.544 | 1.000 | 12.026 |
| T-3-3 | 3880 | 182 43 50 | 102 48 51 | 11.109 | -3 27 50 | 11.089 | -162004.428 | -45615.243 | 3880 | 1.544 | 1.000 | 12.429 |
| T-3-3 | 3881 | 143 37 50 | 63 42 51 | 8.023 | -3 20 5 | 8.009 | -161998.422 | -45618.875 | 3881 | 1.544 | 1.000 | 12.633 |
| T-3-3 | 3882 | 143 1 20 | 63 6 21 | 8.780 | -2 57 5 | 8.768 | -161998.003 | -45618.237 | 3882 | 1.544 | 1.000 | 12.648 |
| T-3-3 | 3883 | 139 35 5 | 59 40 6 | 9.521 | -2 35 25 | 9.511 | -161997.166 | -45617.847 | 3883 | 1.544 | 1.000 | 12.670 |
| T-3-3 | 3884 | 137 38 0 | 57 43 1 | 15.966 | -2 26 1 | 15.952 | -161993.449 | -45612.570 | 3884 | 1.544 | 1.000 | 12.422 |
| T-3-3 | 3885 | 130 17 35 | 50 22 36 | 16.129 | 1 57 8 | 16.120 | -161991.689 | -45613.640 | 3885 | 1.544 | 1.000 | 13.649 |
| T-3-3 | 3886 | 136 47 20 | 56 52 21 | 15.945 | 0 39 19 | 15.944 | -161993.255 | -45612.704 | 3886 | 1.544 | 1.000 | 13.282 |
| T-3-3 | 3887 | 130 17 35 | 50 22 36 | 16.129 | 1 55 28 | 16.120 | -161991.689 | -45613.640 | 3887 | 1.544 | 1.000 | 13.642 |
| T-3-3 | 3888 | 79 25 0 | 359 30 1 | 5.971 | -4 1 0 | 5.956 | -161996.013 | -45626.108 | 3888 | 1.544 | 1.000 | 12.682 |

多角測量計算簿

路線名 L08181414

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|-------|-------|-------|--------|
| T-3-3 | t438 | 120 58 20 | 41 3 21 | 7.182 | -3 52 30 | 7.166 | -161996.565 | -45621.350 | t438 | 1.544 | 1.000 | 12.615 |
| T-3-3 | t439 | 207 55 45 | 128 0 46 | 17.815 | -3 16 15 | 17.786 | -162012.922 | -45612.043 | t439 | 1.544 | 1.000 | 12.083 |
| T-3-3 | 3889 | 206 39 20 | 126 44 21 | 23.327 | -0 58 40 | 23.324 | -162015.921 | -45607.365 | 3889 | 1.544 | 1.000 | 12.702 |
| T-3-3 | 3890 | 220 4 50 | 140 9 51 | 21.844 | -2 48 15 | 21.818 | -162018.723 | -45612.080 | 3890 | 1.544 | 1.000 | 12.031 |
| T-2-1 | T-2 | | 212 4 56 | | | | -162041.813 | -45601.351 | T-2-1 | | | 11.125 |
| T-2-1 | 3891 | 121 28 10 | 333 33 6 | 27.534 | 0 24 0 | 27.533 | -162017.162 | -45613.614 | 3891 | 1.542 | 1.000 | 11.859 |
| T-2-1 | 3892 | 122 30 45 | 334 35 41 | 22.536 | 0 2 45 | 22.536 | -162021.457 | -45611.020 | 3892 | 1.542 | 1.000 | 11.685 |
| T-2-1 | 3893 | 124 4 45 | 336 9 41 | 17.557 | -0 29 55 | 17.556 | -162025.755 | -45608.447 | 3893 | 1.542 | 1.000 | 11.514 |
| T-2-1 | 3894 | 127 16 0 | 339 20 56 | 12.106 | -1 35 5 | 12.101 | -162030.490 | -45605.619 | 3894 | 1.542 | 1.000 | 11.332 |
| T-2-1 | 3895 | 134 12 35 | 346 17 31 | 7.280 | -3 51 50 | 7.263 | -162034.757 | -45603.072 | 3895 | 1.542 | 1.000 | 11.177 |
| T-2-1 | 3896 | 169 30 55 | 21 35 51 | 2.772 | -13 3 0 | 2.700 | -162039.303 | -45600.357 | 3896 | 1.542 | 1.000 | 11.041 |
| T-2-1 | 3897 | 260 57 40 | 113 2 36 | 3.709 | -11 36 55 | 3.633 | -162043.235 | -45598.008 | 3897 | 1.542 | 1.000 | 10.921 |
| T-2-1 | 3898 | 261 45 25 | 113 50 21 | 3.690 | -11 25 35 | 3.617 | -162043.275 | -45598.043 | 3898 | 1.542 | 1.000 | 10.936 |
| T-2-1 | 3899 | 280 21 30 | 132 26 26 | 7.304 | -6 35 45 | 7.256 | -162046.710 | -45595.996 | 3899 | 1.542 | 1.000 | 10.828 |
| T-2-1 | 3900 | 287 20 0 | 139 24 56 | 12.172 | -4 31 20 | 12.134 | -162051.028 | -45593.457 | 3900 | 1.542 | 1.000 | 10.708 |
| T-2-1 | 3901 | 289 42 20 | 141 47 16 | 16.128 | -3 46 20 | 16.093 | -162054.458 | -45591.396 | 3901 | 1.542 | 1.000 | 10.606 |
| T-2-1 | 3902 | 291 28 30 | 143 33 26 | 16.143 | -3 44 35 | 16.109 | -162054.772 | -45591.782 | 3902 | 1.542 | 1.000 | 10.613 |
| T-2-1 | 3903 | 272 16 25 | 124 21 21 | 3.869 | -10 46 20 | 3.801 | -162043.958 | -45598.213 | 3903 | 1.542 | 1.000 | 10.944 |
| T-2-1 | 3904 | 298 22 0 | 150 26 56 | 15.938 | -3 37 20 | 15.906 | -162055.650 | -45593.506 | 3904 | 1.542 | 1.000 | 10.660 |
| T-2-1 | 3905 | 298 43 30 | 150 48 26 | 12.483 | -4 9 40 | 12.450 | -162052.682 | -45595.279 | 3905 | 1.542 | 1.000 | 10.761 |
| T-2-1 | 3906 | 299 25 30 | 151 30 26 | 12.354 | -4 12 0 | 12.321 | -162052.642 | -45595.474 | 3906 | 1.542 | 1.000 | 10.762 |
| T-2-1 | 3907 | 304 41 10 | 156 46 6 | 12.437 | -4 3 0 | 12.406 | -162053.213 | -45596.458 | 3907 | 1.542 | 1.000 | 10.789 |
| T-2-1 | 3908 | 306 33 55 | 158 38 51 | 7.535 | -5 54 55 | 7.495 | -162048.794 | -45598.622 | 3908 | 1.542 | 1.000 | 10.891 |
| T-2-1 | 3909 | 300 52 50 | 152 57 46 | 7.436 | -5 56 15 | 7.396 | -162048.401 | -45597.989 | 3909 | 1.542 | 1.000 | 10.898 |
| T-2-1 | 3910 | 299 47 0 | 151 51 56 | 7.290 | -6 2 55 | 7.249 | -162048.206 | -45597.933 | 3910 | 1.542 | 1.000 | 10.899 |
| T-2-1 | 3911 | 302 42 0 | 154 46 56 | 3.440 | -10 45 30 | 3.380 | -162044.871 | -45599.911 | 3911 | 1.542 | 1.000 | 11.025 |
| T-2-1 | 3912 | 105 50 15 | 317 55 11 | 1.719 | -17 40 15 | 1.638 | -162040.597 | -45602.449 | 3912 | 1.542 | 1.000 | 11.145 |
| T-2-1 | 3913 | 113 38 5 | 325 43 1 | 5.440 | -4 12 40 | 5.425 | -162037.331 | -45604.407 | 3913 | 1.542 | 1.000 | 11.268 |
| T-2-1 | 3914 | 114 34 50 | 326 39 46 | 7.403 | -2 45 20 | 7.394 | -162035.636 | -45605.415 | 3914 | 1.542 | 1.000 | 11.311 |
| T-2-1 | 3915 | 113 42 35 | 325 47 31 | 7.550 | -2 43 35 | 7.541 | -162035.577 | -45605.591 | 3915 | 1.542 | 1.000 | 11.308 |
| T-2-1 | 3916 | 105 2 30 | 317 7 26 | 7.722 | -2 28 10 | 7.715 | -162036.159 | -45606.601 | 3916 | 1.542 | 1.000 | 11.335 |
| T-2-1 | 3917 | 110 51 30 | 322 56 26 | 14.753 | -0 35 25 | 14.752 | -162030.041 | -45610.241 | 3917 | 1.542 | 1.000 | 11.515 |
| T-2-1 | 3918 | 110 51 30 | 322 56 26 | 14.754 | -0 35 20 | 14.753 | -162030.040 | -45610.242 | 3918 | 1.542 | 1.000 | 11.516 |

多角測量計算簿

路線名 L08181414

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-2-1 | 3919 | 115 16 20 | 327 21 16 | 14.700 | -0 36 10 | 14.699 | -162029.436 | -45609.280 | 3919 | 1.542 | 1.000 | 11.513 |
| T-2-1 | 3920 | 115 52 50 | 327 57 46 | 14.838 | -0 32 20 | 14.837 | -162029.236 | -45609.222 | 3920 | 1.542 | 1.000 | 11.528 |
| T-2-1 | 3921 | 116 0 45 | 328 5 41 | 17.517 | -0 12 35 | 17.517 | -162026.943 | -45610.609 | 3921 | 1.542 | 1.000 | 11.603 |
| T-2-1 | 3922 | 116 12 20 | 328 17 16 | 20.507 | 0 4 50 | 20.507 | -162024.368 | -45612.131 | 3922 | 1.542 | 1.000 | 11.696 |
| T-2-1 | 3923 | 115 51 0 | 327 55 56 | 20.630 | 0 7 20 | 20.630 | -162024.331 | -45612.304 | 3923 | 1.542 | 1.000 | 11.711 |
| T-2-1 | 3924 | 112 36 55 | 324 41 51 | 20.683 | 0 10 15 | 20.683 | -162024.934 | -45613.304 | 3924 | 1.542 | 1.000 | 11.729 |
| T-2-1 | 3925 | 113 29 0 | 325 33 56 | 25.894 | 0 36 25 | 25.893 | -162020.457 | -45615.993 | 3925 | 1.542 | 1.000 | 11.942 |
| T-2-1 | 3926 | 115 59 40 | 328 4 36 | 25.831 | 0 31 40 | 25.830 | -162019.890 | -45615.010 | 3926 | 1.542 | 1.000 | 11.905 |
| T-2-1 | 3927 | 116 20 45 | 328 25 41 | 25.977 | 0 33 0 | 25.976 | -162019.682 | -45614.951 | 3927 | 1.542 | 1.000 | 11.917 |
| T-2-1 | 3928 | 116 22 10 | 328 27 6 | 26.920 | 0 35 50 | 26.919 | -162018.873 | -45615.436 | 3928 | 1.542 | 1.000 | 11.948 |
| T-2-1 | 3929 | 116 3 15 | 328 8 11 | 27.071 | 0 36 15 | 27.069 | -162018.823 | -45615.641 | 3929 | 1.542 | 1.000 | 11.953 |
| T-2-1 | 3930 | 113 35 55 | 325 40 51 | 27.133 | 0 40 40 | 27.131 | -162019.405 | -45616.648 | 3930 | 1.542 | 1.000 | 11.988 |
| T-2-1 | 3931 | 113 9 55 | 325 14 51 | 27.294 | 0 32 10 | 27.293 | -162019.389 | -45616.909 | 3931 | 1.542 | 1.000 | 11.923 |
| T-2-1 | 3932 | 112 17 0 | 324 21 56 | 21.577 | 0 1 55 | 21.577 | -162024.276 | -45613.922 | 3932 | 1.542 | 1.000 | 11.679 |
| T-2-1 | 3933 | 112 6 30 | 324 11 26 | 20.904 | -0 5 50 | 20.904 | -162024.861 | -45613.582 | 3933 | 1.542 | 1.000 | 11.632 |
| T-2-1 | 3934 | 111 3 0 | 323 7 56 | 17.213 | -0 22 35 | 17.213 | -162028.042 | -45611.678 | 3934 | 1.542 | 1.000 | 11.554 |
| T-2-1 | 3935 | 109 44 20 | 321 49 16 | 14.174 | -0 55 30 | 14.172 | -162030.673 | -45610.111 | 3935 | 1.542 | 1.000 | 11.438 |
| T-2-1 | 3936 | 105 27 5 | 317 32 1 | 8.964 | -2 31 25 | 8.955 | -162035.207 | -45607.397 | 3936 | 1.542 | 1.000 | 11.273 |
| T-2-1 | 3937 | 91 47 20 | 303 52 16 | 4.303 | -6 48 25 | 4.273 | -162039.432 | -45604.899 | 3937 | 1.542 | 1.000 | 11.157 |
| T-2-1 | 3938 | 48 6 50 | 260 11 46 | 2.055 | -16 36 10 | 1.969 | -162042.148 | -45603.291 | 3938 | 1.542 | 1.000 | 11.080 |
| T-2-1 | 3939 | 27 21 15 | 239 26 11 | 1.932 | -18 8 40 | 1.836 | -162042.747 | -45602.932 | 3939 | 1.542 | 1.000 | 11.066 |
| T-2-1 | 3940 | 324 50 20 | 176 55 16 | 4.029 | -10 17 25 | 3.964 | -162045.771 | -45601.138 | 3940 | 1.542 | 1.000 | 10.948 |
| T-2-1 | 3941 | 310 26 0 | 162 30 56 | 8.086 | -5 59 0 | 8.042 | -162049.484 | -45598.935 | 3941 | 1.542 | 1.000 | 10.824 |
| T-2-1 | 3942 | 306 4 45 | 158 9 41 | 12.042 | -4 29 0 | 12.005 | -162052.957 | -45596.885 | 3942 | 1.542 | 1.000 | 10.726 |
| T-2-1 | 3943 | 303 45 10 | 155 50 6 | 16.162 | -3 42 55 | 16.128 | -162056.528 | -45594.749 | 3943 | 1.542 | 1.000 | 10.620 |
| T-2-1 | 3944 | 267 31 0 | 119 35 56 | 17.153 | -1 43 0 | 17.145 | -162050.282 | -45586.444 | 3944 | 1.542 | 1.000 | 11.153 |
| T-2-1 | 3945 | 287 1 25 | 139 6 21 | 15.123 | -3 52 45 | 15.088 | -162053.219 | -45591.474 | 3945 | 1.542 | 1.000 | 10.644 |
| T-2-1 | 3946 | 286 21 40 | 138 26 36 | 14.147 | -4 4 45 | 14.111 | -162052.372 | -45591.991 | 3946 | 1.542 | 1.000 | 10.661 |
| T-2-1 | 3947 | 284 36 15 | 136 41 11 | 12.195 | -4 27 15 | 12.158 | -162050.659 | -45593.011 | 3947 | 1.542 | 1.000 | 10.720 |
| T-2-1 | 3948 | 276 5 5 | 128 10 1 | 12.762 | -2 24 20 | 12.751 | -162049.693 | -45591.326 | 3948 | 1.542 | 1.000 | 11.132 |
| T-2-1 | 3949 | 267 9 45 | 119 14 41 | 9.269 | -3 18 20 | 9.254 | -162046.334 | -45593.277 | 3949 | 1.542 | 1.000 | 11.133 |
| T-2-1 | 3950 | 278 46 55 | 130 51 51 | 8.482 | -5 41 10 | 8.440 | -162047.335 | -45594.968 | 3950 | 1.542 | 1.000 | 10.827 |
| T-2-1 | 3951 | 269 3 20 | 121 8 16 | 5.695 | -7 50 55 | 5.642 | -162044.731 | -45596.522 | 3951 | 1.542 | 1.000 | 10.890 |
| T-2-1 | 3952 | 226 7 20 | 78 12 16 | 2.896 | -12 12 25 | 2.831 | -162041.234 | -45598.580 | 3952 | 1.542 | 1.000 | 11.055 |

多角測量計算簿

路線名 L08181414

| 觀測点 | 視準点 | 觀測角 | 方向角 | 斜距離 | 傾斜角 | 水平距離 | X | Y | 測点 | 器械高 | 目標高 | 標高 |
|-------|------|-----------|-----------|--------|-----------|--------|-------------|------------|------|-------|-------|--------|
| T-2-1 | 3953 | 216 13 40 | 68 18 36 | 6.022 | -0 14 10 | 6.022 | -162039.588 | -45595.756 | 3953 | 1.542 | 1.000 | 11.642 |
| T-2-1 | 3954 | 205 34 0 | 57 38 56 | 2.739 | -13 58 20 | 2.658 | -162040.391 | -45599.106 | 3954 | 1.542 | 1.000 | 11.006 |
| T-2-1 | 3955 | 162 16 5 | 14 21 1 | 3.776 | -9 4 50 | 3.729 | -162038.201 | -45600.427 | 3955 | 1.542 | 1.000 | 11.071 |
| T-2-1 | 3956 | 182 7 15 | 34 12 11 | 6.163 | -2 20 45 | 6.158 | -162036.720 | -45597.890 | 3956 | 1.542 | 1.000 | 11.415 |
| T-2-1 | 3957 | 180 48 30 | 32 53 26 | 5.941 | -4 17 20 | 5.924 | -162036.839 | -45598.134 | 3957 | 1.542 | 1.000 | 11.223 |
| T-2-1 | 3958 | 163 20 5 | 15 25 1 | 7.374 | -3 25 0 | 7.361 | -162034.717 | -45599.394 | 3958 | 1.542 | 1.000 | 11.228 |
| T-2-1 | 3959 | 178 19 40 | 30 24 36 | 10.614 | -1 49 40 | 10.609 | -162032.664 | -45595.981 | 3959 | 1.542 | 1.000 | 11.329 |
| T-2-1 | 3960 | 129 25 55 | 341 30 51 | 12.457 | -3 3 55 | 12.439 | -162030.016 | -45605.295 | 3960 | 1.542 | 1.000 | 11.001 |
| T-2-1 | 3961 | 156 43 40 | 8 48 36 | 15.765 | 0 13 55 | 15.765 | -162026.234 | -45598.937 | 3961 | 1.542 | 1.000 | 11.731 |
| T-2-1 | 3962 | 155 44 20 | 7 49 16 | 16.047 | 0 30 25 | 16.046 | -162025.916 | -45599.168 | 3962 | 1.542 | 1.000 | 11.809 |
| T-2-1 | 3963 | 129 1 20 | 341 6 16 | 12.942 | -0 2 10 | 12.942 | -162029.569 | -45605.542 | 3963 | 1.542 | 1.000 | 11.659 |
| T-2-1 | 3964 | 120 0 20 | 332 5 16 | 18.931 | -0 9 50 | 18.931 | -162025.085 | -45610.213 | 3964 | 1.542 | 1.000 | 11.613 |
| T-2-1 | 3965 | 109 6 10 | 321 11 6 | 18.195 | -0 11 15 | 18.195 | -162027.636 | -45612.756 | 3965 | 1.542 | 1.000 | 11.608 |
| T-2-1 | 3966 | 153 47 15 | 5 52 11 | 6.668 | -4 21 55 | 6.649 | -162035.199 | -45600.671 | 3966 | 1.542 | 1.000 | 11.160 |
| T-2-1 | 3967 | 151 3 30 | 3 8 26 | 6.420 | -4 39 30 | 6.399 | -162035.424 | -45601.001 | 3967 | 1.542 | 1.000 | 11.146 |
| T-2-1 | t440 | 288 47 10 | 140 52 6 | 16.199 | -5 14 30 | 16.131 | -162054.326 | -45591.171 | t440 | 1.542 | 1.000 | 10.187 |
| T-2-1 | t441 | 291 25 35 | 143 30 31 | 10.240 | -5 1 10 | 10.201 | -162050.014 | -45595.285 | t441 | 1.542 | 1.000 | 10.771 |
| T-2-1 | t442 | 283 56 15 | 136 1 11 | 10.304 | -7 23 50 | 10.218 | -162049.166 | -45594.256 | t442 | 1.542 | 1.000 | 10.341 |
| T-2-1 | t443 | 263 15 30 | 115 20 26 | 11.836 | -2 32 10 | 11.824 | -162046.874 | -45590.665 | t443 | 1.542 | 1.000 | 11.144 |
| T-2-1 | t444 | 37 29 25 | 249 34 21 | 2.296 | -25 28 10 | 2.073 | -162042.537 | -45603.294 | t444 | 1.542 | 1.000 | 10.680 |
| T-2-1 | t445 | 123 43 45 | 335 48 41 | 8.789 | -2 31 30 | 8.780 | -162033.804 | -45604.949 | t445 | 1.542 | 1.000 | 11.280 |
| T-2-1 | t446 | 131 51 0 | 343 55 56 | 9.305 | -5 3 30 | 9.269 | -162032.906 | -45603.917 | t446 | 1.542 | 1.000 | 10.847 |
| T-2-1 | t447 | 134 0 35 | 346 5 31 | 9.366 | -2 34 45 | 9.357 | -162032.731 | -45603.600 | t447 | 1.542 | 1.000 | 11.246 |
| T-2-1 | t448 | 157 29 5 | 9 34 1 | 11.556 | -1 30 20 | 11.552 | -162030.422 | -45599.431 | t448 | 1.542 | 1.000 | 11.364 |
| T-2-1 | t449 | 120 15 45 | 332 20 41 | 17.467 | -0 21 20 | 17.467 | -162026.342 | -45609.458 | t449 | 1.542 | 1.000 | 11.559 |
| T-2-1 | t450 | 124 38 0 | 336 42 56 | 18.090 | -1 40 10 | 18.082 | -162025.204 | -45608.499 | t450 | 1.542 | 1.000 | 11.140 |
| T-2-1 | t451 | 125 36 55 | 337 41 51 | 18.165 | -0 23 45 | 18.165 | -162025.007 | -45608.245 | t451 | 1.542 | 1.000 | 11.542 |
| T-2-1 | t452 | 139 34 10 | 351 39 6 | 19.397 | 0 8 25 | 19.397 | -162022.622 | -45604.167 | t452 | 1.542 | 1.000 | 11.715 |
| T-2-1 | t453 | 111 48 35 | 323 53 31 | 21.318 | -0 54 15 | 21.315 | -162024.593 | -45613.912 | t453 | 1.542 | 1.000 | 11.331 |
| T-2-1 | 3968 | 302 12 30 | 154 17 26 | 27.720 | -2 40 15 | 27.690 | -162066.762 | -45589.339 | 3968 | 1.542 | 1.000 | 10.376 |
| T-2-1 | 3969 | 308 13 45 | 160 18 41 | 6.931 | -5 17 20 | 6.901 | -162048.311 | -45599.026 | 3969 | 1.542 | 1.000 | 11.028 |
| T-2-1 | 3970 | 328 34 30 | 180 39 26 | 10.673 | -4 2 30 | 10.646 | -162052.459 | -45601.473 | 3970 | 1.542 | 1.000 | 10.915 |