

Supplementary Material (ESI) for *PCCP*
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**Characterising molecules for fundamental physics :
an accurate spectroscopic model of methyltrioxorhenium derived from new
infrared and millimetre-wave measurements**

P. Asselin et al.

ESI 1 : data associated with Table I

e' and el terms are used as flags for the quantum number l associated to the vibrational angular momentum. They are equal to 1 if l=+1 and 2 if l=-1 for a doubly degenerate state, to 0 if l=0 for a singly degenerate state.

1) Assigned Microwave and Millimeter-wave Lines and Fitted Molecular Parameters of the Ground State of CH₃¹⁸⁷ReO₃ (MHz)

Methyl rhenium trioxide CH₃¹⁸⁷ReO₃ T. Huet

| | | | | | | | | | EXP.FREQ. | CALC.FREQ. | DIFF. | -EXP.ERR. | -EST.ERR. |
|----|----|----|--------|----|----|----|-------|----|-----------|------------|----------|-----------|-----------|
| J' | K' | e' | F'+1/2 | J | K | el | F+1/2 | | | | | | |
| 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 6834.2108 | 6834.2095 | 0.00135 | 0.001 | 0 |
| 2 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 3 | 6898.6637 | 6898.6628 | 0.00089 | 0.001 | 0 |
| 3 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 7049.0755 | 7049.076 | -0.00051 | 0.001 | 0 |
| 4 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 3 | 13702.055 | 13702.056 | -0.00052 | 0.001 | 0 |
| 5 | 2 | 1 | 0 | 2 | 1 | 1 | 0 | 2 | 13794.047 | 13794.046 | 0.00168 | 0.001 | 0 |
| 6 | 2 | 0 | 0 | 3 | 1 | 0 | 0 | 3 | 13805.306 | 13805.305 | 0.00161 | 0.001 | 0 |
| 7 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 13824.748 | 13824.749 | -0.00111 | 0.001 | 0 |
| 8 | 2 | 1 | 0 | 5 | 1 | 1 | 0 | 4 | 13824.9 | 13824.899 | 0.00064 | 0.001 | 0 |
| 9 | 2 | 1 | 0 | 3 | 1 | 1 | 0 | 2 | 13844.512 | 13844.513 | -0.00066 | 0.001 | 0 |
| 10 | 2 | 0 | 0 | 5 | 1 | 0 | 0 | 4 | 13852.774 | 13852.775 | -0.00079 | 0.001 | 0 |
| 11 | 2 | 1 | 0 | 3 | 1 | 1 | 0 | 4 | 13876.135 | 13876.136 | -0.00058 | 0.001 | 0 |
| 12 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 2 | 13916.919 | 13916.922 | -0.00288 | 0.001 | 0 |
| 13 | 2 | 1 | 0 | 3 | 1 | 1 | 0 | 3 | 13951.18 | 13951.179 | 0.00106 | 0.001 | 0 |
| 14 | 2 | 0 | 0 | 3 | 1 | 0 | 0 | 4 | 13955.719 | 13955.718 | 0.00092 | 0.001 | 0 |
| 15 | 2 | 1 | 0 | 4 | 1 | 1 | 0 | 3 | 13969.665 | 13969.664 | 0.00103 | 0.001 | 0 |
| 16 | 2 | 0 | 0 | 4 | 1 | 0 | 0 | 4 | 13990.729 | 13990.727 | 0.00157 | 0.001 | 0 |
| 17 | 22 | 21 | 0 | 20 | 21 | 21 | 0 | 19 | 152448.21 | 152448.19 | 0.01706 | 0.03 | 0 |
| 18 | 22 | 21 | 0 | 25 | 21 | 21 | 0 | 24 | 152452.43 | 152452.41 | 0.01549 | 0.03 | 0 |
| 19 | 22 | 20 | 0 | 20 | 21 | 20 | 0 | 19 | 152454.64 | 152454.72 | -0.08495 | 0.05 | 0 |
| 20 | 22 | 20 | 0 | 25 | 21 | 20 | 0 | 24 | 152458.59 | 152458.54 | 0.05284 | 0.03 | 0 |
| 21 | 22 | 19 | 0 | 20 | 21 | 19 | 0 | 19 | 152460.94 | 152460.94 | 0.00146 | 0.03 | 0 |
| 22 | 22 | 19 | 0 | 25 | 21 | 19 | 0 | 24 | 152464.39 | 152464.36 | 0.02678 | 0.03 | 0 |
| 23 | 22 | 18 | 0 | 20 | 21 | 18 | 0 | 19 | 152466.85 | 152466.83 | 0.01247 | 0.03 | 0 |
| 24 | 22 | 18 | 0 | 25 | 21 | 18 | 0 | 24 | 152469.91 | 152469.88 | 0.02619 | 0.03 | 0 |
| 25 | 22 | 17 | 0 | 20 | 21 | 17 | 0 | 19 | 152472.44 | 152472.41 | 0.02425 | 0.03 | 0 |
| 26 | 22 | 21 | 0 | 21 | 21 | 21 | 0 | 20 | 152473.23 | 152473.22 | 0.01012 | 0.03 | 0 |
| 27 | 22 | 17 | 0 | 25 | 21 | 17 | 0 | 24 | 152475.16 | 152475.11 | 0.04992 | 0.05 | 0 |
| 28 | 22 | 20 | 0 | 21 | 21 | 20 | 0 | 20 | 152477.48 | 152477.46 | 0.01947 | 0.05 | 0 |
| 29 | 22 | 16 | 0 | 20 | 21 | 16 | 0 | 19 | 152477.69 | 152477.67 | 0.01496 | 0.03 | 0 |
| 30 | 22 | 16 | 0 | 25 | 21 | 16 | 0 | 24 | 152480.05 | 152480.03 | 0.01485 | 0.03 | 0 |
| 31 | 22 | 21 | 0 | 24 | 21 | 21 | 0 | 23 | 152480.63 | 152480.63 | -0.00055 | 0.03 | 0 |
| 32 | 22 | 19 | 0 | 21 | 21 | 19 | 0 | 20 | 152481.49 | 152481.49 | 0.00088 | 0.03 | 0 |
| 33 | 22 | 15 | 0 | 20 | 21 | 15 | 0 | 19 | 152482.62 | 152482.62 | 0.00376 | 0.03 | 0 |
| 34 | 22 | 20 | 0 | 24 | 21 | 20 | 0 | 23 | 152484.08 | 152484.09 | -0.00341 | 0.03 | 0 |
| 35 | 22 | 15 | 0 | 25 | 21 | 15 | 0 | 24 | 152484.66 | 152484.66 | 0.00587 | 0.03 | 0 |
| 36 | 22 | 18 | 0 | 21 | 21 | 18 | 0 | 20 | 152485.28 | 152485.31 | -0.02472 | 0.03 | 0 |
| 37 | 22 | 14 | 0 | 20 | 21 | 14 | 0 | 19 | 152487.29 | 152487.24 | 0.04579 | 0.03 | 0 |
| 38 | 22 | 19 | 0 | 24 | 21 | 19 | 0 | 23 | 152487.29 | 152487.38 | -0.09063 | 0.03 | 0 |
| 39 | 22 | 21 | 0 | 22 | 21 | 21 | 0 | 21 | 152488.49 | 152488.52 | -0.02604 | 0.03 | 0 |
| 40 | 22 | 14 | 0 | 25 | 21 | 14 | 0 | 24 | 152488.99 | 152488.98 | 0.00485 | 0.03 | 0 |
| 41 | 22 | 17 | 0 | 21 | 21 | 17 | 0 | 20 | 152488.99 | 152488.92 | 0.0656 | 0.03 | 0 |
| 42 | 22 | 18 | 0 | 24 | 21 | 18 | 0 | 23 | 152490.47 | 152490.5 | -0.03005 | 0.03 | 0 |
| 43 | 22 | 13 | 0 | 20 | 21 | 13 | 0 | 19 | 152491.52 | 152491.55 | -0.0328 | 0.03 | 0 |
| 44 | 22 | 21 | 0 | 23 | 21 | 21 | 0 | 22 | 152491.73 | 152491.79 | -0.06002 | 0.05 | 0 |
| 45 | 22 | 16 | 0 | 21 | 21 | 16 | 0 | 20 | 152492.25 | 152492.33 | -0.0842 | 0.03 | 0 |
| 46 | 22 | 13 | 0 | 25 | 21 | 13 | 0 | 24 | 152493.02 | 152493.01 | 0.0107 | 0.03 | 0 |
| 47 | 22 | 17 | 0 | 24 | 21 | 17 | 0 | 23 | 152493.46 | 152493.46 | -0.0005 | 0.03 | 0 |
| 48 | 22 | 19 | 0 | 22 | 21 | 19 | 0 | 21 | 152493.95 | 152493.97 | -0.01282 | 0.03 | 0 |
| 49 | 22 | 20 | 0 | 23 | 21 | 20 | 0 | 22 | 152494.22 | 152494.24 | -0.02274 | 0.05 | 0 |
| 50 | 22 | 12 | 0 | 20 | 21 | 12 | 0 | 19 | 152495.51 | 152495.54 | -0.0219 | 0.03 | 0 |
| 51 | 22 | 15 | 0 | 21 | 21 | 15 | 0 | 20 | 152495.51 | 152495.53 | -0.01819 | 0.03 | 0 |
| 52 | 22 | 16 | 0 | 24 | 21 | 16 | 0 | 23 | 152496.23 | 152496.25 | -0.01283 | 0.03 | 0 |
| 53 | 22 | 18 | 0 | 22 | 21 | 18 | 0 | 21 | 152496.48 | 152496.49 | -0.00546 | 0.03 | 0 |
| 54 | 22 | 19 | 0 | 23 | 21 | 19 | 0 | 22 | 152496.48 | 152496.57 | -0.08842 | 0.03 | 0 |
| 55 | 22 | 12 | 0 | 25 | 21 | 12 | 0 | 24 | 152496.72 | 152496.74 | -0.02168 | 0.05 | 0 |
| 56 | 22 | 14 | 0 | 21 | 21 | 14 | 0 | 20 | 152498.45 | 152498.53 | -0.07842 | 0.03 | 0 |

| | | | | | | | | | | | | | |
|-----|----|----|---|----|----|----|---|----|-----------|-----------|----------|------|---|
| 57 | 22 | 15 | 0 | 24 | 21 | 15 | 0 | 23 | 152498.82 | 152498.87 | -0.04388 | 0.03 | 0 |
| 58 | 22 | 17 | 0 | 22 | 21 | 17 | 0 | 21 | 152498.82 | 152498.87 | -0.04539 | 0.03 | 0 |
| 59 | 22 | 18 | 0 | 23 | 21 | 18 | 0 | 22 | 152498.82 | 152498.78 | 0.04598 | 0.03 | 0 |
| 60 | 22 | 11 | 0 | 20 | 21 | 11 | 0 | 19 | 152499.25 | 152499.21 | 0.04761 | 0.03 | 0 |
| 61 | 22 | 11 | 0 | 25 | 21 | 11 | 0 | 24 | 152500.12 | 152500.17 | -0.05538 | 0.03 | 0 |
| 62 | 22 | 17 | 0 | 23 | 21 | 17 | 0 | 22 | 152500.85 | 152500.87 | -0.01549 | 0.03 | 0 |
| 63 | 22 | 13 | 0 | 21 | 21 | 13 | 0 | 20 | 152501.3 | 152501.31 | -0.01093 | 0.03 | 0 |
| 64 | 22 | 14 | 0 | 24 | 21 | 14 | 0 | 23 | 152501.3 | 152501.32 | -0.01553 | 0.03 | 0 |
| 65 | 22 | 10 | 0 | 20 | 21 | 10 | 0 | 19 | 152502.54 | 152502.56 | -0.01315 | 0.03 | 0 |
| 66 | 22 | 16 | 0 | 23 | 21 | 16 | 0 | 22 | 152502.8 | 152502.84 | -0.0328 | 0.03 | 0 |
| 67 | 22 | 10 | 0 | 25 | 21 | 10 | 0 | 24 | 152503.25 | 152503.3 | -0.05949 | 0.03 | 0 |
| 68 | 22 | 15 | 0 | 22 | 21 | 15 | 0 | 21 | 152503.25 | 152503.22 | 0.02054 | 0.03 | 0 |
| 69 | 22 | 13 | 0 | 24 | 21 | 13 | 0 | 23 | 152503.59 | 152503.6 | -0.00965 | 0.03 | 0 |
| 70 | 22 | 12 | 0 | 21 | 21 | 12 | 0 | 20 | 152503.89 | 152503.89 | -0.00278 | 0.03 | 0 |
| 71 | 22 | 15 | 0 | 23 | 21 | 15 | 0 | 22 | 152504.67 | 152504.69 | -0.0169 | 0.03 | 0 |
| 72 | 22 | 14 | 0 | 22 | 21 | 14 | 0 | 21 | 152505.2 | 152505.2 | -0.00275 | 0.03 | 0 |
| 73 | 22 | 9 | 0 | 20 | 21 | 9 | 0 | 19 | 152505.64 | 152505.59 | 0.05391 | 0.03 | 0 |
| 74 | 22 | 12 | 0 | 24 | 21 | 12 | 0 | 23 | 152505.64 | 152505.72 | -0.07412 | 0.03 | 0 |
| 75 | 22 | 13 | 0 | 22 | 21 | 13 | 0 | 21 | 152507.06 | 152507.03 | 0.02635 | 0.03 | 0 |
| 76 | 22 | 11 | 0 | 24 | 21 | 11 | 0 | 23 | 152507.63 | 152507.66 | -0.02884 | 0.03 | 0 |
| 77 | 22 | 13 | 0 | 23 | 21 | 13 | 0 | 22 | 152508.11 | 152508.03 | 0.07368 | 0.03 | 0 |
| 78 | 22 | 8 | 0 | 20 | 21 | 8 | 0 | 19 | 152508.34 | 152508.3 | 0.03588 | 0.03 | 0 |
| 79 | 22 | 10 | 0 | 21 | 21 | 10 | 0 | 20 | 152508.34 | 152508.44 | -0.09964 | 0.03 | 0 |
| 80 | 22 | 8 | 0 | 25 | 21 | 8 | 0 | 24 | 152508.7 | 152508.67 | 0.0278 | 0.03 | 0 |
| 81 | 22 | 12 | 0 | 22 | 21 | 12 | 0 | 21 | 152508.7 | 152508.74 | -0.03421 | 0.03 | 0 |
| 82 | 22 | 10 | 0 | 24 | 21 | 10 | 0 | 23 | 152509.53 | 152509.44 | 0.09231 | 0.03 | 0 |
| 83 | 22 | 12 | 0 | 23 | 21 | 12 | 0 | 22 | 152509.53 | 152509.53 | 0.00543 | 0.03 | 0 |
| 84 | 22 | 9 | 0 | 21 | 21 | 9 | 0 | 20 | 152510.35 | 152510.4 | -0.04373 | 0.03 | 0 |
| 85 | 22 | 11 | 0 | 22 | 21 | 11 | 0 | 21 | 152510.35 | 152510.3 | 0.05449 | 0.03 | 0 |
| 86 | 22 | 7 | 0 | 25 | 21 | 7 | 0 | 24 | 152510.99 | 152510.91 | 0.08406 | 0.05 | 0 |
| 87 | 22 | 9 | 0 | 24 | 21 | 9 | 0 | 23 | 152510.99 | 152511.05 | -0.0526 | 0.05 | 0 |
| 88 | 22 | 11 | 0 | 23 | 21 | 11 | 0 | 22 | 152510.99 | 152510.9 | 0.09452 | 0.05 | 0 |
| 89 | 22 | 10 | 0 | 22 | 21 | 10 | 0 | 21 | 152511.75 | 152511.73 | 0.01941 | 0.03 | 0 |
| 90 | 22 | 8 | 0 | 21 | 21 | 8 | 0 | 20 | 152512.16 | 152512.15 | 0.00087 | 0.03 | 0 |
| 91 | 22 | 10 | 0 | 23 | 21 | 10 | 0 | 22 | 152512.16 | 152512.15 | 0.00699 | 0.03 | 0 |
| 92 | 22 | 6 | 0 | 20 | 21 | 6 | 0 | 19 | 152512.79 | 152512.77 | 0.01686 | 0.03 | 0 |
| 93 | 22 | 6 | 0 | 25 | 21 | 6 | 0 | 24 | 152512.79 | 152512.85 | -0.06133 | 0.03 | 0 |
| 94 | 22 | 9 | 0 | 22 | 21 | 9 | 0 | 21 | 152512.79 | 152513.02 | -0.23251 | 0.03 | 0 |
| 95 | 22 | 9 | 0 | 23 | 21 | 9 | 0 | 22 | 152513.27 | 152513.29 | -0.01714 | 0.03 | 0 |
| 96 | 22 | 7 | 0 | 21 | 21 | 7 | 0 | 20 | 152513.69 | 152513.7 | -0.01238 | 0.03 | 0 |
| 97 | 22 | 7 | 0 | 24 | 21 | 7 | 0 | 23 | 152513.69 | 152513.76 | -0.06723 | 0.03 | 0 |
| 98 | 22 | 8 | 0 | 22 | 21 | 8 | 0 | 21 | 152514.22 | 152514.18 | 0.03969 | 0.03 | 0 |
| 99 | 22 | 8 | 0 | 23 | 21 | 8 | 0 | 22 | 152514.22 | 152514.3 | -0.08985 | 0.03 | 0 |
| 100 | 22 | 5 | 0 | 25 | 21 | 5 | 0 | 24 | 152514.47 | 152514.49 | -0.02044 | 0.05 | 0 |
| 101 | 22 | 5 | 0 | 20 | 21 | 5 | 0 | 19 | 152514.47 | 152514.53 | -0.058 | 0.05 | 0 |
| 102 | 22 | 6 | 0 | 24 | 21 | 6 | 0 | 23 | 152514.86 | 152514.86 | 0.00617 | 0.03 | 0 |
| 103 | 22 | 7 | 0 | 22 | 21 | 7 | 0 | 21 | 152515.17 | 152515.2 | -0.02504 | 0.05 | 0 |
| 104 | 22 | 7 | 0 | 23 | 21 | 7 | 0 | 22 | 152515.17 | 152515.2 | -0.03111 | 0.05 | 0 |
| 105 | 22 | 4 | 0 | 25 | 21 | 4 | 0 | 24 | 152515.99 | 152515.83 | 0.15771 | 0.03 | 0 |
| 106 | 22 | 4 | 0 | 20 | 21 | 4 | 0 | 19 | 152515.99 | 152515.96 | 0.02532 | 0.03 | 0 |
| 107 | 22 | 5 | 0 | 24 | 21 | 5 | 0 | 23 | 152515.99 | 152515.79 | 0.2008 | 0.03 | 0 |
| 108 | 22 | 5 | 0 | 21 | 21 | 5 | 0 | 20 | 152515.99 | 152516.18 | -0.18917 | 0.03 | 0 |
| 109 | 22 | 6 | 0 | 23 | 21 | 6 | 0 | 22 | 152515.99 | 152515.98 | 0.01009 | 0.03 | 0 |
| 110 | 22 | 6 | 0 | 22 | 21 | 6 | 0 | 21 | 152515.99 | 152516.08 | -0.09073 | 0.03 | 0 |
| 111 | 22 | 4 | 0 | 24 | 21 | 4 | 0 | 23 | 152516.45 | 152516.55 | -0.10129 | 0.05 | 0 |
| 112 | 22 | 5 | 0 | 23 | 21 | 5 | 0 | 22 | 152516.45 | 152516.64 | -0.18722 | 0.05 | 0 |
| 113 | 22 | 3 | 0 | 25 | 21 | 3 | 0 | 24 | 152516.87 | 152516.87 | -0.00691 | 0.03 | 0 |
| 114 | 22 | 5 | 0 | 22 | 21 | 5 | 0 | 21 | 152516.87 | 152516.83 | 0.04059 | 0.03 | 0 |
| 115 | 22 | 3 | 0 | 20 | 21 | 3 | 0 | 19 | 152517.12 | 152517.08 | 0.04186 | 0.03 | 0 |
| 116 | 22 | 3 | 0 | 24 | 21 | 3 | 0 | 23 | 152517.12 | 152517.14 | -0.02007 | 0.03 | 0 |
| 117 | 22 | 4 | 0 | 21 | 21 | 4 | 0 | 20 | 152517.12 | 152517.11 | 0.01607 | 0.03 | 0 |
| 118 | 22 | 4 | 0 | 23 | 21 | 4 | 0 | 22 | 152517.12 | 152517.17 | -0.05105 | 0.03 | 0 |
| 119 | 22 | 2 | 0 | 24 | 21 | 2 | 0 | 23 | 152517.55 | 152517.57 | -0.01351 | 0.03 | 0 |
| 120 | 22 | 2 | 0 | 25 | 21 | 2 | 0 | 24 | 152517.55 | 152517.62 | -0.06734 | 0.03 | 0 |
| 121 | 22 | 3 | 0 | 23 | 21 | 3 | 0 | 22 | 152517.55 | 152517.59 | -0.03937 | 0.03 | 0 |
| 122 | 22 | 4 | 0 | 22 | 21 | 4 | 0 | 21 | 152517.55 | 152517.44 | 0.11388 | 0.03 | 0 |
| 123 | 22 | 0 | 0 | 24 | 21 | 0 | 0 | 23 | 152517.88 | 152517.9 | -0.02427 | 0.03 | 0 |
| 124 | 22 | 1 | 0 | 24 | 21 | 1 | 0 | 23 | 152517.88 | 152517.82 | 0.06042 | 0.03 | 0 |
| 125 | 22 | 2 | 0 | 20 | 21 | 2 | 0 | 19 | 152517.88 | 152517.88 | 0.00165 | 0.03 | 0 |
| 126 | 22 | 2 | 0 | 23 | 21 | 2 | 0 | 22 | 152517.88 | 152517.89 | -0.01017 | 0.03 | 0 |
| 127 | 22 | 3 | 0 | 21 | 21 | 3 | 0 | 20 | 152517.88 | 152517.83 | 0.05172 | 0.03 | 0 |
| 128 | 22 | 3 | 0 | 22 | 21 | 3 | 0 | 21 | 152517.88 | 152517.91 | -0.03386 | 0.03 | 0 |
| 129 | 22 | 0 | 0 | 23 | 21 | 0 | 0 | 22 | 152518.13 | 152518.13 | 0.00478 | 0.03 | 0 |
| 130 | 22 | 0 | 0 | 25 | 21 | 0 | 0 | 24 | 152518.13 | 152518.22 | -0.08168 | 0.03 | 0 |
| 131 | 22 | 1 | 0 | 25 | 21 | 1 | 0 | 24 | 152518.13 | 152518.07 | 0.06741 | 0.03 | 0 |
| 132 | 22 | 1 | 0 | 23 | 21 | 1 | 0 | 22 | 152518.13 | 152518.07 | 0.06454 | 0.03 | 0 |
| 133 | 22 | 1 | 0 | 20 | 21 | 1 | 0 | 19 | 152518.13 | 152518.36 | -0.22328 | 0.03 | 0 |
| 134 | 22 | 2 | 0 | 22 | 21 | 2 | 0 | 21 | 152518.13 | 152518.25 | -0.11967 | 0.03 | 0 |
| 135 | 22 | 2 | 0 | 21 | 21 | 2 | 0 | 20 | 152518.13 | 152518.34 | -0.21024 | 0.03 | 0 |
| 136 | 22 | 0 | 0 | 20 | 21 | 0 | 0 | 19 | 152518.54 | 152518.52 | 0.01907 | 0.05 | 0 |
| 137 | 22 | 0 | 0 | 22 | 21 | 0 | 0 | 21 | 152518.54 | 152518.53 | 0.01049 | 0.05 | 0 |
| 138 | 22 | 1 | 0 | 22 | 21 | 1 | 0 | 21 | 152518.54 | 152518.46 | 0.07845 | 0.05 | 0 |
| 139 | 25 | 24 | 0 | 23 | 24 | 24 | 0 | 22 | 173217.7 | 173217.68 | 0.01492 | 0.03 | 0 |
| 140 | 25 | 23 | 0 | 23 | 24 | 23 | 0 | 22 | 173225 | 173224.97 | 0.02732 | 0.03 | 0 |
| 141 | 25 | 23 | 0 | 28 | 24 | 23 | 0 | 27 | 173228.1 | 173228.06 | 0.04638 | 0.03 | 0 |
| 142 | 25 | 22 | 0 | 23 | 24 | 22 | 0 | 22 | 173231.97 | 173231.96 | 0.01522 | 0.03 | 0 |
| 143 | 25 | 22 | 0 | 28 | 24 | 22 | 0 | 27 | 173234.78 | 173234.77 | 0.01337 | 0.03 | 0 |
| 144 | 25 | 21 | 0 | 23 | 24 | 21 | 0 | 22 | 173238.64 | 173238.63 | 0.00971 | 0.03 | 0 |
| 145 | 25 | 24 | 0 | 24 | 24 | 24 | 0 | 23 | 173240.11 | 173240.14 | -0.02698 | 0.03 | 0 |
| 146 | 25 | 21 | 0 | 28 | 24 | 21 | 0 | 27 | 173241.18 | 173241.18 | 0.00216 | 0.03 | 0 |
| 147 | 25 | 20 | 0 | 23 | 24 | 20 | 0 | 22 | 173245.03 | 173244.99 | 0.03689 | 0.05 | 0 |
| 148 | 25 | 23 | 0 | 24 | 24 | 23 | 0 | 23 | 173245.6 | 173245.62 | -0.01682 | 0.05 | 0 |
| 149 | 25 | 24 | 0 | 27 | 24 | 24 | 0 | 26 | 173245.98 | 173245.97 | 0.00992 | 0.05 | 0 |
| 150 | 25 | 20 | 0 | 28 | 24 | 20 | 0 | 27 | 173247.29 | 173247.29 | 0.00068 | 0.05 | 0 |
| 151 | 25 | 19 | 0 | 23 | 24 | 19 | 0 | 22 | 173250.88 | 173251.04 | -0.16515 | 0.05 | 0 |
| 152 | 25 | 22 | 0 | 24 | 24 | 22 | 0 | 23 | 173250.88 | 173250.86 | 0.01179 | 0.05 | 0 |
| 153 | 25 | 23 | 0 | 27 | 24 | 23 | 0 | 26 | 173250.88 | 173250.92 | -0.04031 | 0.05 | 0 |
| 154 | 25 | 19 | 0 | 28 | 24 | 19 | 0 | 27 | 173253.11 | 173253.11 | -0.00014 | 0.05 | 0 |
| 155 | 25 | 24 | 0 | 25 | 24 | 24 | 0 | 24 | 173253.52 | 173253.55 | -0.03276 | 0.05 | 0 |
| 156 | 25 | 22 | 0 | 27 | 24 | 22 | 0 | 26 | 173255.61 | 173255.65 | -0.04273 | 0.05 | 0 |
| 157 | 25 | 18 | 0 | 23 | 24 | 18 | 0 | 22 | 173256.76 | 173256.78 | -0.02134 | 0.05 | 0 |

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|-----|----|----|---|----|----|----|---|----|-----------|-----------|----------|------|---|
| 158 | 25 | 18 | 0 | 28 | 24 | 18 | 0 | 27 | 173258.62 | 173258.62 | -0.00837 | 0.05 | 0 |
| 159 | 25 | 21 | 0 | 27 | 24 | 21 | 0 | 26 | 173260.2 | 173260.18 | 0.02073 | 0.05 | 0 |
| 160 | 25 | 23 | 0 | 26 | 24 | 23 | 0 | 25 | 173260.2 | 173260.26 | -0.06491 | 0.05 | 0 |
| 161 | 25 | 20 | 0 | 24 | 24 | 20 | 0 | 23 | 173260.67 | 173260.65 | 0.01317 | 0.05 | 0 |
| 162 | 25 | 17 | 0 | 23 | 24 | 17 | 0 | 22 | 173262.25 | 173262.22 | 0.03642 | 0.05 | 0 |
| 163 | 25 | 22 | 0 | 25 | 24 | 22 | 0 | 24 | 173262.25 | 173262.11 | 0.1435 | 0.05 | 0 |
| 164 | 25 | 17 | 0 | 28 | 24 | 17 | 0 | 27 | 173263.85 | 173263.84 | 0.01192 | 0.05 | 0 |
| 165 | 25 | 22 | 0 | 26 | 24 | 22 | 0 | 25 | 173264.21 | 173264.22 | -0.00728 | 0.05 | 0 |
| 166 | 25 | 20 | 0 | 27 | 24 | 20 | 0 | 26 | 173264.5 | 173264.5 | 0.00617 | 0.05 | 0 |
| 167 | 25 | 19 | 0 | 24 | 24 | 19 | 0 | 23 | 173265.2 | 173265.2 | 0.00388 | 0.05 | 0 |
| 168 | 25 | 21 | 0 | 25 | 24 | 21 | 0 | 24 | 173266.09 | 173266.11 | -0.0199 | 0.05 | 0 |
| 169 | 25 | 16 | 0 | 23 | 24 | 16 | 0 | 22 | 173267.35 | 173267.34 | 0.00818 | 0.05 | 0 |
| 170 | 25 | 21 | 0 | 26 | 24 | 21 | 0 | 25 | 173267.99 | 173268 | -0.00801 | 0.05 | 0 |
| 171 | 25 | 16 | 0 | 28 | 24 | 16 | 0 | 27 | 173268.71 | 173268.76 | -0.04731 | 0.05 | 0 |
| 172 | 25 | 19 | 0 | 27 | 24 | 19 | 0 | 26 | 173268.71 | 173268.6 | 0.11166 | 0.05 | 0 |
| 173 | 25 | 18 | 0 | 24 | 24 | 18 | 0 | 23 | 173269.51 | 173269.51 | -0.00612 | 0.05 | 0 |
| 174 | 25 | 20 | 0 | 25 | 24 | 20 | 0 | 24 | 173269.92 | 173269.92 | 0.00294 | 0.05 | 0 |
| 175 | 25 | 20 | 0 | 26 | 24 | 20 | 0 | 25 | 173271.59 | 173271.61 | -0.01307 | 0.05 | 0 |
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| 178 | 25 | 15 | 0 | 28 | 24 | 15 | 0 | 27 | 173273.39 | 173273.38 | 0.01187 | 0.05 | 0 |
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| 183 | 25 | 14 | 0 | 23 | 24 | 14 | 0 | 22 | 173276.62 | 173276.65 | -0.03597 | 0.05 | 0 |
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| 189 | 25 | 13 | 0 | 23 | 24 | 13 | 0 | 22 | 173281.03 | 173280.84 | 0.18224 | 0.05 | 0 |
| 190 | 25 | 15 | 0 | 24 | 24 | 15 | 0 | 23 | 173281.03 | 173281.05 | -0.02266 | 0.05 | 0 |
| 191 | 25 | 13 | 0 | 28 | 24 | 13 | 0 | 27 | 173281.69 | 173281.73 | -0.03673 | 0.05 | 0 |
| 192 | 25 | 15 | 0 | 27 | 24 | 15 | 0 | 26 | 173282.95 | 173282.93 | 0.02566 | 0.05 | 0 |
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| 195 | 25 | 16 | 0 | 26 | 24 | 16 | 0 | 25 | 173284.32 | 173284.27 | 0.04989 | 0.05 | 0 |
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| 201 | 25 | 13 | 0 | 24 | 24 | 13 | 0 | 23 | 173287.6 | 173287.57 | 0.02226 | 0.05 | 0 |
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| 244 | 25 | 5 | 0 | 23 | 24 | 5 | 0 | 22 | 173303.13 | 173303.2 | -0.07439 | 0.05 | 0 |
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| | | | | | | | | | | | | | |
|-----|----|----|---|----|----|----|---|----|-----------|-----------|----------|------|---|
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| 263 | 29 | 28 | 0 | 31 | 28 | 28 | 0 | 30 | 200918.22 | 200918.23 | -0.00755 | 0.03 | 0 |
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| 333 | 29 | 13 | 0 | 29 | 28 | 13 | 0 | 28 | 200999.31 | 200999.26 | 0.04602 | 0.05 | 0 |
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|-----|----|----|---|----|----|----|---|----|-----------|-----------|----------|------|---|
| 360 | 29 | 6 | 0 | 32 | 28 | 6 | 0 | 31 | 201013.75 | 201013.89 | -0.13776 | 0.03 | 0 |
| 361 | 29 | 7 | 0 | 30 | 28 | 7 | 0 | 29 | 201013.75 | 201013.61 | 0.14072 | 0.03 | 0 |
| 362 | 29 | 7 | 0 | 29 | 28 | 7 | 0 | 28 | 201013.75 | 201013.69 | 0.06692 | 0.03 | 0 |
| 363 | 29 | 6 | 0 | 31 | 28 | 6 | 0 | 30 | 201014.79 | 201014.64 | 0.14593 | 0.05 | 0 |
| 364 | 29 | 6 | 0 | 28 | 28 | 6 | 0 | 27 | 201014.79 | 201014.85 | -0.0598 | 0.05 | 0 |
| 365 | 29 | 6 | 0 | 30 | 28 | 6 | 0 | 29 | 201015.19 | 201015.14 | 0.05149 | 0.03 | 0 |
| 366 | 29 | 6 | 0 | 29 | 28 | 6 | 0 | 28 | 201015.19 | 201015.25 | -0.05751 | 0.03 | 0 |
| 367 | 29 | 5 | 0 | 27 | 28 | 5 | 0 | 26 | 201015.6 | 201015.59 | 0.00506 | 0.03 | 0 |
| 368 | 29 | 5 | 0 | 32 | 28 | 5 | 0 | 31 | 201015.6 | 201015.62 | -0.01813 | 0.03 | 0 |
| 369 | 29 | 5 | 0 | 31 | 28 | 5 | 0 | 30 | 201016 | 201016.06 | -0.06149 | 0.03 | 0 |
| 370 | 29 | 5 | 0 | 28 | 28 | 5 | 0 | 27 | 201016.52 | 201016.34 | 0.18257 | 0.05 | 0 |
| 371 | 29 | 5 | 0 | 30 | 28 | 5 | 0 | 29 | 201016.52 | 201016.43 | 0.08522 | 0.05 | 0 |
| 372 | 29 | 5 | 0 | 29 | 28 | 5 | 0 | 28 | 201016.52 | 201016.57 | -0.05357 | 0.05 | 0 |
| 373 | 29 | 4 | 0 | 32 | 28 | 4 | 0 | 31 | 201017.01 | 201017.03 | -0.01415 | 0.03 | 0 |
| 374 | 29 | 4 | 0 | 27 | 28 | 4 | 0 | 26 | 201017.01 | 201017.03 | -0.02231 | 0.03 | 0 |
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| 376 | 29 | 4 | 0 | 30 | 28 | 4 | 0 | 29 | 201017.54 | 201017.49 | 0.0449 | 0.03 | 0 |
| 377 | 29 | 4 | 0 | 28 | 28 | 4 | 0 | 27 | 201017.54 | 201017.55 | -0.01593 | 0.03 | 0 |
| 378 | 29 | 4 | 0 | 29 | 28 | 4 | 0 | 28 | 201017.54 | 201017.65 | -0.11824 | 0.03 | 0 |
| 379 | 34 | 33 | 0 | 32 | 33 | 33 | 0 | 31 | 235460.1 | 235460.05 | 0.05684 | 0.03 | 0 |
| 380 | 34 | 33 | 0 | 37 | 33 | 33 | 0 | 36 | 235462.02 | 235462.02 | 0.00512 | 0.03 | 0 |
| 381 | 34 | 32 | 0 | 32 | 33 | 32 | 0 | 31 | 235471.31 | 235471.37 | -0.05994 | 0.03 | 0 |
| 382 | 34 | 32 | 0 | 37 | 33 | 32 | 0 | 36 | 235473.22 | 235473.23 | -0.00769 | 0.03 | 0 |
| 383 | 34 | 32 | 0 | 36 | 33 | 32 | 0 | 35 | 235490.62 | 235490.55 | 0.07071 | 0.05 | 0 |
| 384 | 34 | 30 | 0 | 32 | 33 | 30 | 0 | 31 | 235492.99 | 235492.98 | 0.00823 | 0.03 | 0 |
| 385 | 34 | 30 | 0 | 37 | 33 | 30 | 0 | 36 | 235494.63 | 235494.62 | 0.01015 | 0.03 | 0 |
| 386 | 34 | 31 | 0 | 36 | 33 | 31 | 0 | 35 | 235500.32 | 235500.33 | -0.01192 | 0.05 | 0 |
| 387 | 34 | 29 | 0 | 32 | 33 | 29 | 0 | 31 | 235503.28 | 235503.26 | 0.02422 | 0.03 | 0 |
| 388 | 34 | 29 | 0 | 37 | 33 | 29 | 0 | 36 | 235504.81 | 235504.8 | 0.01778 | 0.03 | 0 |
| 389 | 34 | 31 | 0 | 34 | 33 | 31 | 0 | 33 | 235506.06 | 235506.09 | -0.0282 | 0.05 | 0 |
| 390 | 34 | 30 | 0 | 33 | 33 | 30 | 0 | 32 | 235507.14 | 235507.14 | -0.0009 | 0.05 | 0 |
| 391 | 34 | 31 | 0 | 35 | 33 | 31 | 0 | 34 | 235507.14 | 235507.35 | -0.20525 | 0.05 | 0 |
| 392 | 34 | 30 | 0 | 36 | 33 | 30 | 0 | 35 | 235509.79 | 235509.8 | -0.01211 | 0.03 | 0 |
| 393 | 34 | 28 | 0 | 32 | 33 | 28 | 0 | 31 | 235513.12 | 235513.19 | -0.0725 | 0.05 | 0 |
| 394 | 34 | 28 | 0 | 37 | 33 | 28 | 0 | 36 | 235514.61 | 235514.63 | -0.01649 | 0.05 | 0 |
| 395 | 34 | 30 | 0 | 34 | 33 | 30 | 0 | 33 | 235515.06 | 235515.21 | -0.1495 | 0.05 | 0 |
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| 397 | 34 | 30 | 0 | 35 | 33 | 30 | 0 | 34 | 235516.37 | 235516.38 | -0.00381 | 0.03 | 0 |
| 398 | 34 | 29 | 0 | 36 | 33 | 29 | 0 | 35 | 235518.98 | 235518.97 | 0.00917 | 0.03 | 0 |
| 399 | 34 | 27 | 0 | 32 | 33 | 27 | 0 | 31 | 235522.76 | 235522.77 | -0.00089 | 0.03 | 0 |
| 400 | 34 | 27 | 0 | 37 | 33 | 27 | 0 | 36 | 235524.12 | 235524.11 | 0.00535 | 0.03 | 0 |
| 401 | 34 | 29 | 0 | 34 | 33 | 29 | 0 | 33 | 235524.12 | 235524.03 | 0.08637 | 0.03 | 0 |
| 402 | 34 | 28 | 0 | 33 | 33 | 28 | 0 | 32 | 235525.5 | 235525.54 | -0.04412 | 0.03 | 0 |
| 403 | 34 | 28 | 0 | 36 | 33 | 28 | 0 | 35 | 235527.89 | 235527.82 | 0.07092 | 0.03 | 0 |
| 404 | 34 | 26 | 0 | 32 | 33 | 26 | 0 | 31 | 235531.98 | 235532.01 | -0.02297 | 0.03 | 0 |
| 405 | 34 | 28 | 0 | 34 | 33 | 28 | 0 | 33 | 235532.54 | 235532.55 | -0.01662 | 0.05 | 0 |
| 406 | 34 | 26 | 0 | 37 | 33 | 26 | 0 | 36 | 235533.28 | 235533.25 | 0.02226 | 0.05 | 0 |
| 407 | 34 | 27 | 0 | 33 | 33 | 27 | 0 | 32 | 235534.24 | 235534.26 | -0.01829 | 0.03 | 0 |
| 408 | 34 | 27 | 0 | 36 | 33 | 27 | 0 | 35 | 235536.31 | 235536.36 | -0.05084 | 0.03 | 0 |
| 409 | 34 | 25 | 0 | 32 | 33 | 25 | 0 | 31 | 235540.79 | 235540.89 | -0.10869 | 0.03 | 0 |
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| 411 | 34 | 27 | 0 | 35 | 33 | 27 | 0 | 34 | 235541.66 | 235541.7 | -0.03915 | 0.03 | 0 |
| 412 | 34 | 25 | 0 | 37 | 33 | 25 | 0 | 36 | 235542.1 | 235542.05 | 0.04624 | 0.05 | 0 |
| 413 | 34 | 26 | 0 | 33 | 33 | 26 | 0 | 32 | 235542.7 | 235542.67 | 0.03582 | 0.03 | 0 |
| 414 | 34 | 26 | 0 | 36 | 33 | 26 | 0 | 35 | 235544.47 | 235544.6 | -0.12409 | 0.05 | 0 |
| 415 | 34 | 26 | 0 | 34 | 33 | 26 | 0 | 33 | 235548.65 | 235548.7 | -0.05519 | 0.05 | 0 |
| 416 | 34 | 24 | 0 | 32 | 33 | 24 | 0 | 31 | 235549.46 | 235549.43 | 0.02395 | 0.03 | 0 |
| 417 | 34 | 26 | 0 | 35 | 33 | 26 | 0 | 34 | 235549.46 | 235549.54 | -0.08646 | 0.03 | 0 |
| 418 | 34 | 24 | 0 | 37 | 33 | 24 | 0 | 36 | 235550.52 | 235550.5 | 0.02028 | 0.03 | 0 |
| 419 | 34 | 25 | 0 | 34 | 33 | 25 | 0 | 33 | 235556.35 | 235556.33 | 0.02322 | 0.05 | 0 |
| 420 | 34 | 25 | 0 | 35 | 33 | 25 | 0 | 34 | 235557.09 | 235557.09 | 0.0003 | 0.03 | 0 |
| 421 | 34 | 23 | 0 | 32 | 33 | 23 | 0 | 31 | 235557.65 | 235557.62 | 0.02598 | 0.03 | 0 |
| 422 | 34 | 23 | 0 | 37 | 33 | 23 | 0 | 36 | 235558.53 | 235558.61 | -0.07464 | 0.03 | 0 |
| 423 | 34 | 24 | 0 | 33 | 33 | 24 | 0 | 32 | 235558.53 | 235558.53 | 0.00387 | 0.03 | 0 |
| 424 | 34 | 24 | 0 | 36 | 33 | 24 | 0 | 35 | 235560.14 | 235560.13 | 0.01201 | 0.03 | 0 |
| 425 | 34 | 24 | 0 | 34 | 33 | 24 | 0 | 33 | 235563.65 | 235563.66 | -0.00427 | 0.03 | 0 |
| 426 | 34 | 24 | 0 | 35 | 33 | 24 | 0 | 34 | 235564.36 | 235564.35 | 0.00714 | 0.03 | 0 |
| 427 | 34 | 22 | 0 | 32 | 33 | 22 | 0 | 31 | 235565.46 | 235565.46 | -0.00086 | 0.03 | 0 |
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| 429 | 34 | 22 | 0 | 37 | 33 | 22 | 0 | 36 | 235566.4 | 235566.37 | 0.03346 | 0.03 | 0 |
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| 431 | 34 | 23 | 0 | 34 | 33 | 23 | 0 | 33 | 235570.73 | 235570.68 | 0.05134 | 0.05 | 0 |
| 432 | 34 | 23 | 0 | 35 | 33 | 23 | 0 | 34 | 235571.33 | 235571.31 | 0.02507 | 0.03 | 0 |
| 433 | 34 | 21 | 0 | 32 | 33 | 21 | 0 | 31 | 235573 | 235572.96 | 0.03824 | 0.03 | 0 |
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| 438 | 34 | 22 | 0 | 35 | 33 | 22 | 0 | 34 | 235577.99 | 235577.97 | 0.01509 | 0.03 | 0 |
| 439 | 34 | 20 | 0 | 32 | 33 | 20 | 0 | 31 | 235579.99 | 235580.1 | -0.1155 | 0.05 | 0 |
| 440 | 34 | 21 | 0 | 33 | 33 | 21 | 0 | 32 | 235579.99 | 235579.94 | 0.04736 | 0.05 | 0 |
| 441 | 34 | 21 | 0 | 36 | 33 | 21 | 0 | 35 | 235581.1 | 235581.1 | 0.00282 | 0.05 | 0 |
| 442 | 34 | 21 | 0 | 34 | 33 | 21 | 0 | 33 | 235583.86 | 235583.84 | 0.01986 | 0.03 | 0 |
| 443 | 34 | 21 | 0 | 35 | 33 | 21 | 0 | 34 | 235584.37 | 235584.34 | 0.02721 | 0.03 | 0 |
| 444 | 34 | 20 | 0 | 33 | 33 | 20 | 0 | 32 | 235586.4 | 235586.44 | -0.038 | 0.03 | 0 |
| 445 | 34 | 19 | 0 | 32 | 33 | 19 | 0 | 31 | 235586.94 | 235586.9 | 0.0412 | 0.03 | 0 |
| 446 | 34 | 19 | 0 | 37 | 33 | 19 | 0 | 36 | 235587.55 | 235587.58 | -0.03019 | 0.03 | 0 |
| 447 | 34 | 20 | 0 | 36 | 33 | 20 | 0 | 35 | 235587.55 | 235587.47 | 0.08193 | 0.03 | 0 |
| 448 | 34 | 20 | 0 | 34 | 33 | 20 | 0 | 33 | 235589.91 | 235589.97 | -0.06226 | 0.03 | 0 |
| 449 | 34 | 20 | 0 | 35 | 33 | 20 | 0 | 34 | 235590.42 | 235590.41 | 0.00844 | 0.03 | 0 |
| 450 | 34 | 19 | 0 | 33 | 33 | 19 | 0 | 32 | 235592.62 | 235592.63 | -0.00812 | 0.03 | 0 |
| 451 | 34 | 18 | 0 | 32 | 33 | 18 | 0 | 31 | 235593.37 | 235593.35 | 0.01935 | 0.03 | 0 |
| 452 | 34 | 19 | 0 | 36 | 33 | 19 | 0 | 35 | 235593.37 | 235593.53 | -0.16136 | 0.03 | 0 |
| 453 | 34 | 18 | 0 | 37 | 33 | 18 | 0 | 36 | 235593.97 | 235593.96 | 0.00591 | 0.03 | 0 |
| 454 | 34 | 19 | 0 | 35 | 33 | 19 | 0 | 34 | 235596.08 | 235596.18 | -0.10524 | 0.05 | 0 |
| 455 | 34 | 18 | 0 | 33 | 33 | 18 | 0 | 32 | 235598.47 | 235598.49 | -0.02302 | 0.03 | 0 |
| 456 | 34 | 17 | 0 | 32 | 33 | 17 | 0 | 31 | 235599.37 | 235599.45 | -0.07704 | 0.03 | 0 |
| 457 | 34 | 18 | 0 | 36 | 33 | 18 | 0 | 35 | 235599.37 | 235599.27 | 0.09396 | 0.03 | 0 |
| 458 | 34 | 17 | 0 | 37 | 33 | 17 | 0 | 36 | 235600.02 | 235600 | 0.02197 | 0.03 | 0 |
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| | | | | | | | | | | | | | |
|-----|----|----|---|----|----|----|---|----|-----------|-----------|----------|------|---|
| 461 | 34 | 17 | 0 | 33 | 33 | 17 | 0 | 32 | 235604.16 | 235604.04 | 0.1153 | 0.05 | 0 |
| 462 | 34 | 17 | 0 | 36 | 33 | 17 | 0 | 35 | 235604.74 | 235604.71 | 0.02491 | 0.05 | 0 |
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| 477 | 34 | 14 | 0 | 36 | 33 | 14 | 0 | 35 | 235619.18 | 235619.16 | 0.02061 | 0.03 | 0 |
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| 491 | 34 | 12 | 0 | 35 | 33 | 12 | 0 | 34 | 235628.27 | 235628.31 | -0.04061 | 0.03 | 0 |
| 492 | 34 | 11 | 0 | 32 | 33 | 11 | 0 | 31 | 235629 | 235628.72 | 0.27698 | 0.05 | 0 |
| 493 | 34 | 11 | 0 | 37 | 33 | 11 | 0 | 36 | 235629 | 235628.97 | 0.03126 | 0.05 | 0 |
| 494 | 34 | 11 | 0 | 33 | 33 | 11 | 0 | 32 | 235630.69 | 235630.69 | 0.00448 | 0.05 | 0 |
| 495 | 34 | 11 | 0 | 36 | 33 | 11 | 0 | 35 | 235630.69 | 235630.81 | -0.11774 | 0.05 | 0 |
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| 497 | 34 | 11 | 0 | 35 | 33 | 11 | 0 | 34 | 235631.72 | 235631.72 | 0.00171 | 0.03 | 0 |
| 498 | 34 | 10 | 0 | 32 | 33 | 10 | 0 | 31 | 235632.48 | 235632.38 | 0.09713 | 0.03 | 0 |
| 499 | 34 | 10 | 0 | 37 | 33 | 10 | 0 | 36 | 235632.48 | 235632.59 | -0.11011 | 0.03 | 0 |
| 500 | 34 | 10 | 0 | 33 | 33 | 10 | 0 | 32 | 235634.08 | 235634.02 | 0.06619 | 0.03 | 0 |
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| 504 | 34 | 9 | 0 | 32 | 33 | 9 | 0 | 31 | 235635.78 | 235635.69 | 0.08981 | 0.03 | 0 |
| 505 | 34 | 9 | 0 | 37 | 33 | 9 | 0 | 36 | 235635.78 | 235635.87 | -0.08257 | 0.03 | 0 |
| 506 | 34 | 9 | 0 | 36 | 33 | 9 | 0 | 35 | 235637.02 | 235637.02 | 0.0001 | 0.03 | 0 |
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| 510 | 34 | 8 | 0 | 32 | 33 | 8 | 0 | 31 | 235638.73 | 235638.66 | 0.06803 | 0.03 | 0 |
| 511 | 34 | 8 | 0 | 37 | 33 | 8 | 0 | 36 | 235638.73 | 235638.8 | -0.07313 | 0.03 | 0 |
| 512 | 34 | 8 | 0 | 36 | 33 | 8 | 0 | 35 | 235639.73 | 235639.66 | 0.06706 | 0.03 | 0 |
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| 516 | 34 | 7 | 0 | 32 | 33 | 7 | 0 | 31 | 235641.38 | 235641.27 | 0.10381 | 0.03 | 0 |
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| 518 | 34 | 7 | 0 | 36 | 33 | 7 | 0 | 35 | 235642.04 | 235642 | 0.04571 | 0.03 | 0 |
| 519 | 34 | 7 | 0 | 33 | 33 | 7 | 0 | 32 | 235642.04 | 235642.11 | -0.06463 | 0.03 | 0 |
| 520 | 34 | 7 | 0 | 35 | 33 | 7 | 0 | 34 | 235642.42 | 235642.38 | 0.03639 | 0.03 | 0 |
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| 522 | 34 | 6 | 0 | 32 | 33 | 6 | 0 | 31 | 235643.51 | 235643.54 | -0.02787 | 0.03 | 0 |
| 523 | 34 | 6 | 0 | 37 | 33 | 6 | 0 | 36 | 235643.51 | 235643.63 | -0.11756 | 0.03 | 0 |
| 524 | 34 | 6 | 0 | 33 | 33 | 6 | 0 | 32 | 235644.33 | 235644.17 | 0.16578 | 0.03 | 0 |
| 525 | 34 | 6 | 0 | 35 | 33 | 6 | 0 | 34 | 235644.33 | 235644.31 | 0.02642 | 0.03 | 0 |
| 526 | 34 | 6 | 0 | 34 | 33 | 6 | 0 | 33 | 235644.33 | 235644.39 | -0.0587 | 0.03 | 0 |
| 527 | 34 | 5 | 0 | 32 | 33 | 5 | 0 | 31 | 235645.46 | 235645.45 | 0.00502 | 0.03 | 0 |
| 528 | 34 | 5 | 0 | 37 | 33 | 5 | 0 | 36 | 235645.46 | 235645.52 | -0.06443 | 0.03 | 0 |
| 529 | 34 | 5 | 0 | 36 | 33 | 5 | 0 | 35 | 235645.96 | 235645.72 | 0.23414 | 0.03 | 0 |
| 530 | 34 | 5 | 0 | 33 | 33 | 5 | 0 | 32 | 235645.96 | 235645.91 | 0.04636 | 0.03 | 0 |
| 531 | 34 | 5 | 0 | 34 | 33 | 5 | 0 | 33 | 235645.96 | 235646.04 | -0.07824 | 0.03 | 0 |
| 532 | 34 | 4 | 0 | 37 | 33 | 4 | 0 | 36 | 235647.07 | 235647.08 | -0.00341 | 0.05 | 0 |
| 533 | 34 | 4 | 0 | 35 | 33 | 4 | 0 | 34 | 235647.07 | 235647.27 | -0.19608 | 0.05 | 0 |
| 534 | 34 | 4 | 0 | 33 | 33 | 4 | 0 | 32 | 235647.07 | 235647.34 | -0.26689 | 0.05 | 0 |
| 535 | 34 | 4 | 0 | 34 | 33 | 4 | 0 | 33 | 235647.07 | 235647.38 | -0.30978 | 0.05 | 0 |
| 536 | 34 | 3 | 0 | 36 | 33 | 3 | 0 | 35 | 235648.28 | 235648.21 | 0.06841 | 0.03 | 0 |
| 537 | 34 | 3 | 0 | 32 | 33 | 3 | 0 | 31 | 235648.28 | 235648.24 | 0.03547 | 0.03 | 0 |
| 538 | 34 | 3 | 0 | 37 | 33 | 3 | 0 | 36 | 235648.28 | 235648.28 | -0.0045 | 0.03 | 0 |
| 539 | 34 | 3 | 0 | 35 | 33 | 3 | 0 | 34 | 235648.28 | 235648.3 | -0.02661 | 0.03 | 0 |
| 540 | 34 | 3 | 0 | 34 | 33 | 3 | 0 | 33 | 235648.28 | 235648.43 | -0.15031 | 0.03 | 0 |
| 541 | 34 | 3 | 0 | 33 | 33 | 3 | 0 | 32 | 235648.28 | 235648.45 | -0.17097 | 0.03 | 0 |
| 542 | 34 | 2 | 0 | 36 | 33 | 2 | 0 | 35 | 235649.14 | 235648.99 | 0.15462 | 0.03 | 0 |
| 543 | 34 | 2 | 0 | 35 | 33 | 2 | 0 | 34 | 235649.14 | 235649.04 | 0.09601 | 0.03 | 0 |
| 544 | 34 | 2 | 0 | 32 | 33 | 2 | 0 | 31 | 235649.14 | 235649.11 | 0.02705 | 0.03 | 0 |
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| 546 | 34 | 2 | 0 | 34 | 33 | 2 | 0 | 33 | 235649.14 | 235649.18 | -0.03482 | 0.03 | 0 |
| 547 | 34 | 2 | 0 | 33 | 33 | 2 | 0 | 32 | 235649.14 | 235649.24 | -0.10088 | 0.03 | 0 |
| 548 | 34 | 0 | 0 | 36 | 33 | 0 | 0 | 35 | 235649.71 | 235649.61 | 0.10319 | 0.03 | 0 |
| 549 | 34 | 0 | 0 | 35 | 33 | 0 | 0 | 34 | 235649.71 | 235649.64 | 0.07371 | 0.03 | 0 |
| 550 | 34 | 0 | 0 | 34 | 33 | 0 | 0 | 33 | 235649.71 | 235649.77 | -0.06284 | 0.03 | 0 |
| 551 | 34 | 0 | 0 | 32 | 33 | 0 | 0 | 31 | 235649.71 | 235649.81 | -0.10009 | 0.03 | 0 |
| 552 | 34 | 0 | 0 | 37 | 33 | 0 | 0 | 36 | 235649.71 | 235649.83 | -0.12347 | 0.03 | 0 |
| 553 | 34 | 0 | 0 | 33 | 33 | 0 | 0 | 32 | 235649.71 | 235649.88 | -0.16521 | 0.03 | 0 |
| 554 | 34 | 1 | 0 | 36 | 33 | 1 | 0 | 35 | 235649.71 | 235649.45 | 0.25855 | 0.03 | 0 |
| 555 | 34 | 1 | 0 | 35 | 33 | 1 | 0 | 34 | 235649.71 | 235649.49 | 0.22179 | 0.03 | 0 |
| 556 | 34 | 1 | 0 | 34 | 33 | 1 | 0 | 33 | 235649.71 | 235649.62 | 0.08667 | 0.03 | 0 |
| 557 | 34 | 1 | 0 | 32 | 33 | 1 | 0 | 31 | 235649.71 | 235649.64 | 0.0742 | 0.03 | 0 |
| 558 | 34 | 1 | 0 | 37 | 33 | 1 | 0 | 36 | 235649.71 | 235649.66 | 0.04897 | 0.03 | 0 |
| 559 | 34 | 1 | 0 | 33 | 33 | 1 | 0 | 32 | 235649.71 | 235649.72 | -0.00663 | 0.03 | 0 |
| 560 | 39 | 37 | 0 | 42 | 38 | 37 | 0 | 41 | 270004.48 | 270004.48 | 0.00256 | 0.05 | 0 |
| 561 | 39 | 38 | 0 | 40 | 38 | 38 | 0 | 39 | 270013.34 | 270013.26 | 0.07312 | 0.05 | 0 |

| | | | | | | | | | | | | | |
|-----|----|----|---|----|----|----|---|----|-----------|-----------|----------|------|---|
| 562 | 39 | 35 | 0 | 37 | 38 | 35 | 0 | 36 | 270030.58 | 270030.71 | -0.12917 | 0.05 | 0 |
| 563 | 39 | 36 | 0 | 38 | 38 | 36 | 0 | 37 | 270030.58 | 270030.6 | -0.02098 | 0.05 | 0 |
| 564 | 39 | 35 | 0 | 42 | 38 | 35 | 0 | 41 | 270032.13 | 270032.06 | 0.06941 | 0.05 | 0 |
| 565 | 39 | 36 | 0 | 41 | 38 | 36 | 0 | 40 | 270032.72 | 270032.87 | -0.14765 | 0.05 | 0 |
| 566 | 39 | 34 | 0 | 39 | 38 | 34 | 0 | 38 | 270062.89 | 270062.89 | 0.00533 | 0.05 | 0 |
| 567 | 39 | 33 | 0 | 38 | 38 | 33 | 0 | 37 | 270068.27 | 270068.3 | -0.0282 | 0.05 | 0 |
| 568 | 39 | 32 | 0 | 37 | 38 | 32 | 0 | 36 | 270069.43 | 270069.41 | 0.01291 | 0.05 | 0 |
| 569 | 39 | 33 | 0 | 40 | 38 | 33 | 0 | 39 | 270075.46 | 270075.51 | -0.05132 | 0.05 | 0 |
| 570 | 39 | 32 | 0 | 38 | 38 | 32 | 0 | 37 | 270080.19 | 270080.14 | 0.04999 | 0.05 | 0 |
| 571 | 39 | 32 | 0 | 41 | 38 | 32 | 0 | 40 | 270081.86 | 270081.89 | -0.02875 | 0.05 | 0 |
| 572 | 39 | 31 | 0 | 42 | 38 | 31 | 0 | 41 | 270082.62 | 270082.62 | -0.00496 | 0.05 | 0 |
| 573 | 39 | 32 | 0 | 39 | 38 | 32 | 0 | 38 | 270086.13 | 270086.14 | -0.01214 | 0.05 | 0 |
| 574 | 39 | 32 | 0 | 40 | 38 | 32 | 0 | 39 | 270086.87 | 270086.9 | -0.03594 | 0.05 | 0 |
| 575 | 39 | 31 | 0 | 38 | 38 | 31 | 0 | 37 | 270091.6 | 270091.61 | -0.01153 | 0.05 | 0 |
| 576 | 39 | 30 | 0 | 37 | 38 | 30 | 0 | 36 | 270093.28 | 270093.29 | -0.01338 | 0.05 | 0 |
| 577 | 39 | 31 | 0 | 41 | 38 | 31 | 0 | 40 | 270093.28 | 270093.25 | 0.02889 | 0.05 | 0 |
| 578 | 39 | 30 | 0 | 42 | 38 | 30 | 0 | 41 | 270094.36 | 270094.31 | 0.04781 | 0.05 | 0 |
| 579 | 39 | 30 | 0 | 38 | 38 | 30 | 0 | 37 | 270102.74 | 270102.72 | 0.02124 | 0.05 | 0 |
| 580 | 39 | 30 | 0 | 41 | 38 | 30 | 0 | 40 | 270104.24 | 270104.24 | -0.0031 | 0.05 | 0 |
| 581 | 39 | 29 | 0 | 37 | 38 | 29 | 0 | 36 | 270104.78 | 270104.65 | 0.12801 | 0.05 | 0 |
| 582 | 39 | 29 | 0 | 42 | 38 | 29 | 0 | 41 | 270105.66 | 270105.61 | 0.05171 | 0.05 | 0 |
| 583 | 39 | 30 | 0 | 39 | 38 | 30 | 0 | 38 | 270107.98 | 270107.99 | -0.00599 | 0.05 | 0 |
| 584 | 39 | 30 | 0 | 40 | 38 | 30 | 0 | 39 | 270108.65 | 270108.65 | 0.00272 | 0.05 | 0 |
| 585 | 39 | 29 | 0 | 38 | 38 | 29 | 0 | 37 | 270113.54 | 270113.47 | 0.07629 | 0.05 | 0 |
| 586 | 39 | 29 | 0 | 41 | 38 | 29 | 0 | 40 | 270114.97 | 270114.87 | 0.0913 | 0.05 | 0 |
| 587 | 39 | 28 | 0 | 37 | 38 | 28 | 0 | 36 | 270115.69 | 270115.63 | 0.06042 | 0.05 | 0 |
| 588 | 39 | 28 | 0 | 42 | 38 | 28 | 0 | 41 | 270116.57 | 270116.53 | 0.04272 | 0.05 | 0 |
| 589 | 39 | 29 | 0 | 39 | 38 | 29 | 0 | 38 | 270118.39 | 270118.38 | 0.00367 | 0.05 | 0 |
| 590 | 39 | 29 | 0 | 40 | 38 | 29 | 0 | 39 | 270118.98 | 270118.99 | -0.01 | 0.05 | 0 |
| 591 | 39 | 28 | 0 | 38 | 38 | 28 | 0 | 37 | 270123.82 | 270123.85 | -0.02639 | 0.05 | 0 |
| 592 | 39 | 27 | 0 | 37 | 38 | 27 | 0 | 36 | 270126.22 | 270126.22 | -0.00014 | 0.05 | 0 |
| 593 | 39 | 27 | 0 | 42 | 38 | 27 | 0 | 41 | 270127.1 | 270127.06 | 0.03885 | 0.05 | 0 |
| 594 | 39 | 28 | 0 | 39 | 38 | 28 | 0 | 38 | 270128.43 | 270128.42 | 0.00573 | 0.05 | 0 |
| 595 | 39 | 28 | 0 | 40 | 38 | 28 | 0 | 39 | 270129.04 | 270128.98 | 0.05793 | 0.05 | 0 |
| 596 | 39 | 27 | 0 | 38 | 38 | 27 | 0 | 37 | 270133.92 | 270133.86 | 0.05521 | 0.05 | 0 |
| 597 | 39 | 27 | 0 | 41 | 38 | 27 | 0 | 40 | 270135.11 | 270135.06 | 0.04729 | 0.05 | 0 |
| 598 | 39 | 26 | 0 | 37 | 38 | 26 | 0 | 36 | 270136.48 | 270136.42 | 0.05436 | 0.05 | 0 |
| 599 | 39 | 26 | 0 | 42 | 38 | 26 | 0 | 41 | 270137.27 | 270137.21 | 0.05809 | 0.05 | 0 |
| 600 | 39 | 27 | 0 | 39 | 38 | 27 | 0 | 38 | 270138.15 | 270138.11 | 0.03617 | 0.05 | 0 |
| 601 | 39 | 27 | 0 | 40 | 38 | 27 | 0 | 39 | 270138.69 | 270138.63 | 0.0625 | 0.05 | 0 |
| 602 | 39 | 26 | 0 | 38 | 38 | 26 | 0 | 37 | 270143.57 | 270143.52 | 0.05107 | 0.05 | 0 |
| 603 | 39 | 26 | 0 | 41 | 38 | 26 | 0 | 40 | 270144.65 | 270144.61 | 0.03489 | 0.05 | 0 |
| 604 | 39 | 25 | 0 | 37 | 38 | 25 | 0 | 36 | 270146.29 | 270146.24 | 0.0439 | 0.05 | 0 |
| 605 | 39 | 25 | 0 | 42 | 38 | 25 | 0 | 41 | 270146.95 | 270146.98 | -0.02557 | 0.05 | 0 |
| 606 | 39 | 26 | 0 | 39 | 38 | 26 | 0 | 38 | 270147.49 | 270147.45 | 0.041 | 0.05 | 0 |
| 607 | 39 | 26 | 0 | 40 | 38 | 26 | 0 | 39 | 270147.96 | 270147.92 | 0.03971 | 0.05 | 0 |
| 608 | 39 | 25 | 0 | 38 | 38 | 25 | 0 | 37 | 270152.82 | 270152.8 | 0.0152 | 0.05 | 0 |
| 609 | 39 | 25 | 0 | 41 | 38 | 25 | 0 | 40 | 270153.85 | 270153.81 | 0.04091 | 0.05 | 0 |
| 610 | 39 | 24 | 0 | 37 | 38 | 24 | 0 | 36 | 270155.72 | 270155.68 | 0.0405 | 0.05 | 0 |
| 611 | 39 | 24 | 0 | 42 | 38 | 24 | 0 | 41 | 270156.4 | 270156.36 | 0.03986 | 0.05 | 0 |
| 612 | 39 | 25 | 0 | 39 | 38 | 25 | 0 | 38 | 270156.4 | 270156.44 | -0.0338 | 0.05 | 0 |
| 613 | 39 | 25 | 0 | 40 | 38 | 25 | 0 | 39 | 270156.92 | 270156.86 | 0.06158 | 0.05 | 0 |
| 614 | 39 | 24 | 0 | 38 | 38 | 24 | 0 | 37 | 270161.77 | 270161.73 | 0.03759 | 0.05 | 0 |
| 615 | 39 | 24 | 0 | 41 | 38 | 24 | 0 | 40 | 270162.68 | 270162.64 | 0.04734 | 0.05 | 0 |
| 616 | 39 | 23 | 0 | 42 | 38 | 23 | 0 | 41 | 270165.08 | 270165.36 | -0.28561 | 0.05 | 0 |
| 617 | 39 | 24 | 0 | 39 | 38 | 24 | 0 | 38 | 270165.08 | 270165.07 | 0.00978 | 0.05 | 0 |
| 618 | 39 | 24 | 0 | 40 | 38 | 24 | 0 | 39 | 270165.46 | 270165.45 | 0.00209 | 0.05 | 0 |
| 619 | 39 | 23 | 0 | 41 | 38 | 23 | 0 | 40 | 270171.14 | 270171.11 | 0.03621 | 0.05 | 0 |
| 620 | 39 | 22 | 0 | 37 | 38 | 22 | 0 | 36 | 270173.41 | 270173.39 | 0.0189 | 0.05 | 0 |
| 621 | 39 | 23 | 0 | 39 | 38 | 23 | 0 | 38 | 270173.41 | 270173.35 | 0.06373 | 0.05 | 0 |
| 622 | 39 | 22 | 0 | 38 | 38 | 22 | 0 | 37 | 270178.52 | 270178.48 | 0.04114 | 0.05 | 0 |
| 623 | 39 | 22 | 0 | 41 | 38 | 22 | 0 | 40 | 270179.28 | 270179.22 | 0.0615 | 0.05 | 0 |
| 624 | 39 | 22 | 0 | 39 | 38 | 22 | 0 | 38 | 270181.3 | 270181.28 | 0.02004 | 0.05 | 0 |
| 625 | 39 | 21 | 0 | 37 | 38 | 21 | 0 | 36 | 270181.69 | 270181.67 | 0.01872 | 0.05 | 0 |
| 626 | 39 | 22 | 0 | 40 | 38 | 22 | 0 | 39 | 270181.69 | 270181.58 | 0.10709 | 0.05 | 0 |
| 627 | 39 | 21 | 0 | 42 | 38 | 21 | 0 | 41 | 270182.27 | 270182.22 | 0.05067 | 0.05 | 0 |
| 628 | 39 | 21 | 0 | 38 | 38 | 21 | 0 | 37 | 270186.35 | 270186.31 | 0.04029 | 0.05 | 0 |
| 629 | 39 | 21 | 0 | 41 | 38 | 21 | 0 | 40 | 270187.02 | 270186.97 | 0.05123 | 0.05 | 0 |
| 630 | 39 | 20 | 0 | 38 | 38 | 20 | 0 | 37 | 270193.73 | 270193.78 | -0.04631 | 0.05 | 0 |
| 631 | 39 | 20 | 0 | 41 | 38 | 20 | 0 | 40 | 270194.44 | 270194.36 | 0.07741 | 0.05 | 0 |
| 632 | 39 | 20 | 0 | 39 | 38 | 20 | 0 | 38 | 270196 | 270196.07 | -0.07224 | 0.05 | 0 |
| 633 | 39 | 20 | 0 | 40 | 38 | 20 | 0 | 39 | 270196.4 | 270196.31 | 0.08471 | 0.05 | 0 |
| 634 | 39 | 19 | 0 | 37 | 38 | 19 | 0 | 36 | 270197.1 | 270197.08 | 0.02161 | 0.05 | 0 |
| 635 | 39 | 19 | 0 | 42 | 38 | 19 | 0 | 41 | 270197.55 | 270197.54 | 0.01125 | 0.05 | 0 |
| 636 | 39 | 19 | 0 | 38 | 38 | 19 | 0 | 37 | 270200.93 | 270200.88 | 0.05134 | 0.05 | 0 |
| 637 | 39 | 19 | 0 | 41 | 38 | 19 | 0 | 40 | 270201.42 | 270201.39 | 0.03203 | 0.05 | 0 |
| 638 | 39 | 18 | 0 | 37 | 38 | 18 | 0 | 36 | 270204.17 | 270204.2 | -0.02931 | 0.05 | 0 |
| 639 | 39 | 18 | 0 | 42 | 38 | 18 | 0 | 41 | 270204.65 | 270204.62 | 0.02114 | 0.03 | 0 |
| 640 | 39 | 18 | 0 | 38 | 38 | 18 | 0 | 37 | 270207.59 | 270207.62 | -0.02878 | 0.03 | 0 |
| 641 | 39 | 18 | 0 | 41 | 38 | 18 | 0 | 40 | 270208.06 | 270208.06 | 0.00511 | 0.03 | 0 |
| 642 | 39 | 18 | 0 | 39 | 38 | 18 | 0 | 38 | 270209.6 | 270209.46 | 0.13192 | 0.03 | 0 |
| 643 | 39 | 18 | 0 | 40 | 38 | 18 | 0 | 39 | 270209.6 | 270209.64 | -0.04401 | 0.03 | 0 |
| 644 | 39 | 17 | 0 | 42 | 38 | 17 | 0 | 41 | 270211.36 | 270211.33 | 0.02809 | 0.05 | 0 |
| 645 | 39 | 17 | 0 | 39 | 38 | 17 | 0 | 38 | 270215.7 | 270215.63 | 0.07303 | 0.03 | 0 |
| 646 | 39 | 17 | 0 | 40 | 38 | 17 | 0 | 39 | 270215.7 | 270215.78 | -0.07387 | 0.03 | 0 |
| 647 | 39 | 16 | 0 | 37 | 38 | 16 | 0 | 36 | 270217.33 | 270217.3 | 0.03317 | 0.03 | 0 |
| 648 | 39 | 16 | 0 | 42 | 38 | 16 | 0 | 41 | 270217.7 | 270217.65 | 0.04808 | 0.03 | 0 |
| 649 | 39 | 16 | 0 | 38 | 38 | 16 | 0 | 37 | 270220.02 | 270220 | 0.0157 | 0.03 | 0 |
| 650 | 39 | 16 | 0 | 41 | 38 | 16 | 0 | 40 | 270220.3 | 270220.31 | -0.01137 | 0.05 | 0 |
| 651 | 39 | 16 | 0 | 39 | 38 | 16 | 0 | 38 | 270221.51 | 270221.44 | 0.06348 | 0.03 | 0 |
| 652 | 39 | 16 | 0 | 40 | 38 | 16 | 0 | 39 | 270221.51 | 270221.56 | -0.05606 | 0.03 | 0 |
| 653 | 39 | 15 | 0 | 37 | 38 | 15 | 0 | 36 | 270223.24 | 270223.27 | -0.03143 | 0.05 | 0 |
| 654 | 39 | 15 | 0 | 42 | 38 | 15 | 0 | 41 | 270223.58 | 270223.58 | -0.00087 | 0.03 | 0 |
| 655 | 39 | 15 | 0 | 39 | 38 | 15 | 0 | 38 | 270226.94 | 270226.9 | 0.03729 | 0.03 | 0 |
| 656 | 39 | 15 | 0 | 40 | 38 | 15 | 0 | 39 | 270226.94 | 270227 | -0.05658 | 0.03 | 0 |
| 657 | 39 | 14 | 0 | 39 | 38 | 14 | 0 | 38 | 270232.1 | 270232.01 | 0.09144 | 0.03 | 0 |
| 658 | 39 | 14 | 0 | 40 | 38 | 14 | 0 | 39 | 270232.1 | 270232.08 | 0.02157 | 0.03 | 0 |
| 659 | 39 | 13 | 0 | 38 | 38 | 13 | 0 | 37 | 270235.88 | 270235.85 | 0.02716 | 0.03 | 0 |
| 660 | 39 | 13 | 0 | 41 | 38 | 13 | 0 | 40 | 270235.88 | 270235.99 | -0.11958 | 0.03 | 0 |
| 661 | 39 | 13 | 0 | 39 | 38 | 13 | 0 | 38 | 270236.81 | 270236.77 | 0.04293 | 0.03 | 0 |
| 662 | 39 | 13 | 0 | 40 | 38 | 13 | 0 | 39 | 270236.81 | 270236.82 | -0.00461 | 0.03 | 0 |

| | | | | | | | | | | | | | |
|-----|----|----|---|----|----|----|---|----|-----------|-----------|----------|------|---|
| 663 | 39 | 12 | 0 | 37 | 38 | 12 | 0 | 36 | 270238.84 | 270238.87 | -0.02351 | 0.05 | 0 |
| 664 | 39 | 12 | 0 | 38 | 38 | 12 | 0 | 37 | 270240.45 | 270240.4 | 0.04843 | 0.03 | 0 |
| 665 | 39 | 12 | 0 | 41 | 38 | 12 | 0 | 40 | 270240.45 | 270240.5 | -0.05171 | 0.03 | 0 |
| 666 | 39 | 12 | 0 | 39 | 38 | 12 | 0 | 38 | 270241.19 | 270241.17 | 0.01377 | 0.03 | 0 |
| 667 | 39 | 12 | 0 | 40 | 38 | 12 | 0 | 39 | 270241.19 | 270241.2 | -0.01312 | 0.03 | 0 |
| 668 | 39 | 11 | 0 | 37 | 38 | 11 | 0 | 36 | 270243.42 | 270243.29 | 0.12437 | 0.03 | 0 |
| 669 | 39 | 11 | 0 | 42 | 38 | 11 | 0 | 41 | 270243.42 | 270243.5 | -0.08324 | 0.03 | 0 |
| 670 | 39 | 11 | 0 | 38 | 38 | 11 | 0 | 37 | 270244.61 | 270244.59 | 0.01894 | 0.03 | 0 |
| 671 | 39 | 11 | 0 | 41 | 38 | 11 | 0 | 40 | 270244.61 | 270244.65 | -0.03835 | 0.03 | 0 |
| 672 | 39 | 11 | 0 | 39 | 38 | 11 | 0 | 38 | 270245.29 | 270245.23 | 0.06095 | 0.03 | 0 |
| 673 | 39 | 11 | 0 | 40 | 38 | 11 | 0 | 39 | 270245.29 | 270245.23 | 0.05306 | 0.03 | 0 |
| 674 | 39 | 10 | 0 | 37 | 38 | 10 | 0 | 36 | 270247.43 | 270247.34 | 0.08939 | 0.05 | 0 |
| 675 | 39 | 10 | 0 | 42 | 38 | 10 | 0 | 41 | 270247.43 | 270247.52 | -0.09599 | 0.05 | 0 |
| 676 | 39 | 10 | 0 | 38 | 38 | 10 | 0 | 37 | 270248.39 | 270248.41 | -0.02234 | 0.03 | 0 |
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| 679 | 39 | 10 | 0 | 39 | 38 | 10 | 0 | 38 | 270248.93 | 270248.92 | 0.00346 | 0.03 | 0 |
| 680 | 39 | 9 | 0 | 37 | 38 | 9 | 0 | 36 | 270251.08 | 270251 | 0.08053 | 0.03 | 0 |
| 681 | 39 | 9 | 0 | 42 | 38 | 9 | 0 | 41 | 270251.08 | 270251.16 | -0.08471 | 0.03 | 0 |
| 682 | 39 | 9 | 0 | 41 | 38 | 9 | 0 | 40 | 270251.83 | 270251.86 | -0.0232 | 0.03 | 0 |
| 683 | 39 | 9 | 0 | 38 | 38 | 9 | 0 | 37 | 270251.83 | 270251.87 | -0.04039 | 0.03 | 0 |
| 684 | 39 | 9 | 0 | 40 | 38 | 9 | 0 | 39 | 270252.26 | 270252.25 | 0.01043 | 0.03 | 0 |
| 685 | 39 | 9 | 0 | 39 | 38 | 9 | 0 | 38 | 270252.26 | 270252.27 | -0.01469 | 0.03 | 0 |
| 686 | 39 | 8 | 0 | 37 | 38 | 8 | 0 | 36 | 270254.31 | 270254.27 | 0.03882 | 0.03 | 0 |
| 687 | 39 | 8 | 0 | 42 | 38 | 8 | 0 | 41 | 270254.31 | 270254.42 | -0.1084 | 0.03 | 0 |
| 688 | 39 | 8 | 0 | 41 | 38 | 8 | 0 | 40 | 270254.97 | 270254.92 | 0.04961 | 0.05 | 0 |
| 689 | 39 | 8 | 0 | 38 | 38 | 8 | 0 | 37 | 270254.97 | 270254.97 | 0.00077 | 0.05 | 0 |
| 690 | 39 | 7 | 0 | 37 | 38 | 7 | 0 | 36 | 270257.17 | 270257.16 | 0.00824 | 0.03 | 0 |
| 691 | 39 | 7 | 0 | 42 | 38 | 7 | 0 | 41 | 270257.17 | 270257.29 | -0.12306 | 0.03 | 0 |
| 692 | 39 | 7 | 0 | 41 | 38 | 7 | 0 | 40 | 270257.67 | 270257.62 | 0.04591 | 0.05 | 0 |
| 693 | 39 | 7 | 0 | 38 | 38 | 7 | 0 | 37 | 270257.67 | 270257.7 | -0.03084 | 0.05 | 0 |
| 694 | 39 | 6 | 0 | 37 | 38 | 6 | 0 | 36 | 270259.69 | 270259.66 | 0.0228 | 0.05 | 0 |
| 695 | 39 | 6 | 0 | 42 | 38 | 6 | 0 | 41 | 270259.69 | 270259.78 | -0.0947 | 0.05 | 0 |
| 696 | 39 | 6 | 0 | 41 | 38 | 6 | 0 | 40 | 270260.09 | 270259.97 | 0.12069 | 0.03 | 0 |
| 697 | 39 | 6 | 0 | 38 | 38 | 6 | 0 | 37 | 270260.09 | 270260.07 | 0.01976 | 0.03 | 0 |
| 698 | 39 | 6 | 0 | 40 | 38 | 6 | 0 | 39 | 270260.09 | 270260.14 | -0.04891 | 0.03 | 0 |
| 699 | 39 | 6 | 0 | 39 | 38 | 6 | 0 | 38 | 270260.09 | 270260.2 | -0.11113 | 0.03 | 0 |
| 700 | 39 | 5 | 0 | 37 | 38 | 5 | 0 | 36 | 270261.97 | 270261.78 | 0.1905 | 0.05 | 0 |
| 701 | 39 | 5 | 0 | 42 | 38 | 5 | 0 | 41 | 270261.97 | 270261.89 | 0.08469 | 0.05 | 0 |
| 702 | 39 | 5 | 0 | 41 | 38 | 5 | 0 | 40 | 270261.97 | 270261.95 | 0.02197 | 0.05 | 0 |
| 703 | 39 | 5 | 0 | 38 | 38 | 5 | 0 | 37 | 270261.97 | 270262.07 | -0.09942 | 0.05 | 0 |
| 704 | 39 | 5 | 0 | 40 | 38 | 5 | 0 | 39 | 270261.97 | 270262.07 | -0.09367 | 0.05 | 0 |
| 705 | 39 | 5 | 0 | 39 | 38 | 5 | 0 | 38 | 270261.97 | 270262.14 | -0.16494 | 0.05 | 0 |
| 706 | 39 | 4 | 0 | 37 | 38 | 4 | 0 | 36 | 270263.64 | 270263.51 | 0.12234 | 0.03 | 0 |
| 707 | 39 | 4 | 0 | 42 | 38 | 4 | 0 | 41 | 270263.64 | 270263.61 | 0.0261 | 0.03 | 0 |
| 708 | 39 | 4 | 0 | 41 | 38 | 4 | 0 | 40 | 270263.64 | 270263.57 | 0.06474 | 0.03 | 0 |
| 709 | 39 | 4 | 0 | 40 | 38 | 4 | 0 | 39 | 270263.64 | 270263.64 | -0.00674 | 0.03 | 0 |
| 710 | 39 | 4 | 0 | 38 | 38 | 4 | 0 | 37 | 270263.64 | 270263.71 | -0.07339 | 0.03 | 0 |
| 711 | 39 | 4 | 0 | 39 | 38 | 4 | 0 | 38 | 270263.64 | 270263.72 | -0.08543 | 0.03 | 0 |
| 712 | 39 | 3 | 0 | 37 | 38 | 3 | 0 | 36 | 270264.89 | 270264.86 | 0.02233 | 0.03 | 0 |
| 713 | 39 | 3 | 0 | 41 | 38 | 3 | 0 | 40 | 270264.89 | 270264.83 | 0.051 | 0.03 | 0 |
| 714 | 39 | 3 | 0 | 42 | 38 | 3 | 0 | 41 | 270264.89 | 270264.95 | -0.06647 | 0.03 | 0 |
| 715 | 39 | 3 | 0 | 40 | 38 | 3 | 0 | 39 | 270264.89 | 270264.87 | 0.01387 | 0.03 | 0 |
| 716 | 39 | 3 | 0 | 38 | 38 | 3 | 0 | 37 | 270264.89 | 270264.99 | -0.10014 | 0.03 | 0 |
| 717 | 39 | 3 | 0 | 39 | 38 | 3 | 0 | 38 | 270264.89 | 270264.96 | -0.07058 | 0.03 | 0 |
| 718 | 39 | 2 | 0 | 37 | 38 | 2 | 0 | 36 | 270265.78 | 270265.83 | -0.04153 | 0.03 | 0 |
| 719 | 39 | 2 | 0 | 41 | 38 | 2 | 0 | 40 | 270265.78 | 270265.74 | 0.04876 | 0.03 | 0 |
| 720 | 39 | 2 | 0 | 40 | 38 | 2 | 0 | 39 | 270265.78 | 270265.75 | 0.03617 | 0.03 | 0 |
| 721 | 39 | 2 | 0 | 42 | 38 | 2 | 0 | 41 | 270265.78 | 270265.91 | -0.12502 | 0.03 | 0 |
| 722 | 39 | 2 | 0 | 39 | 38 | 2 | 0 | 38 | 270265.78 | 270265.84 | -0.05241 | 0.03 | 0 |
| 723 | 39 | 2 | 0 | 38 | 38 | 2 | 0 | 37 | 270265.78 | 270265.9 | -0.11167 | 0.03 | 0 |
| 724 | 39 | 0 | 0 | 41 | 38 | 0 | 0 | 40 | 270266.48 | 270266.46 | 0.02177 | 0.03 | 0 |
| 725 | 39 | 0 | 0 | 37 | 38 | 0 | 0 | 36 | 270266.48 | 270266.6 | -0.11783 | 0.03 | 0 |
| 726 | 39 | 0 | 0 | 40 | 38 | 0 | 0 | 39 | 270266.48 | 270266.45 | 0.0288 | 0.03 | 0 |
| 727 | 39 | 0 | 0 | 42 | 38 | 0 | 0 | 41 | 270266.48 | 270266.68 | -0.19706 | 0.03 | 0 |
| 728 | 39 | 0 | 0 | 39 | 38 | 0 | 0 | 38 | 270266.48 | 270266.54 | -0.06307 | 0.03 | 0 |
| 729 | 39 | 0 | 0 | 38 | 38 | 0 | 0 | 37 | 270266.48 | 270266.62 | -0.1461 | 0.03 | 0 |
| 730 | 39 | 1 | 0 | 41 | 38 | 1 | 0 | 40 | 270266.48 | 270266.28 | 0.20202 | 0.03 | 0 |
| 731 | 39 | 1 | 0 | 37 | 38 | 1 | 0 | 36 | 270266.48 | 270266.4 | 0.07475 | 0.03 | 0 |
| 732 | 39 | 1 | 0 | 40 | 38 | 1 | 0 | 39 | 270266.48 | 270266.27 | 0.20414 | 0.03 | 0 |
| 733 | 39 | 1 | 0 | 42 | 38 | 1 | 0 | 41 | 270266.48 | 270266.48 | -0.00555 | 0.03 | 0 |
| 734 | 39 | 1 | 0 | 39 | 38 | 1 | 0 | 38 | 270266.48 | 270266.36 | 0.1131 | 0.03 | 0 |
| 735 | 39 | 1 | 0 | 38 | 38 | 1 | 0 | 37 | 270266.48 | 270266.44 | 0.03601 | 0.03 | 0 |
| 736 | 43 | 41 | 0 | 41 | 42 | 41 | 0 | 40 | 297598.14 | 297598.23 | -0.08694 | 0.03 | 0 |
| 737 | 43 | 39 | 0 | 41 | 42 | 39 | 0 | 40 | 297631.57 | 297631.62 | -0.04314 | 0.03 | 0 |
| 738 | 43 | 38 | 0 | 41 | 42 | 38 | 0 | 40 | 297647.65 | 297647.68 | -0.03033 | 0.03 | 0 |
| 739 | 43 | 39 | 0 | 44 | 42 | 39 | 0 | 43 | 297650.85 | 297650.93 | -0.07592 | 0.03 | 0 |
| 740 | 43 | 37 | 0 | 41 | 42 | 37 | 0 | 40 | 297663.26 | 297663.33 | -0.07024 | 0.05 | 0 |
| 741 | 43 | 37 | 0 | 46 | 42 | 37 | 0 | 45 | 297664.47 | 297664.41 | 0.06339 | 0.05 | 0 |
| 742 | 43 | 36 | 0 | 41 | 42 | 36 | 0 | 40 | 297678.64 | 297678.57 | 0.06814 | 0.05 | 0 |
| 743 | 43 | 36 | 0 | 42 | 42 | 36 | 0 | 41 | 297688.63 | 297688.71 | -0.08773 | 0.05 | 0 |
| 744 | 43 | 36 | 0 | 45 | 42 | 36 | 0 | 44 | 297690.23 | 297690.25 | -0.01744 | 0.05 | 0 |
| 745 | 43 | 35 | 0 | 41 | 42 | 35 | 0 | 40 | 297693.4 | 297693.38 | 0.01081 | 0.03 | 0 |
| 746 | 43 | 35 | 0 | 46 | 42 | 35 | 0 | 45 | 297694.3 | 297694.36 | -0.06152 | 0.05 | 0 |
| 747 | 43 | 36 | 0 | 43 | 42 | 36 | 0 | 42 | 297694.3 | 297694.34 | -0.04523 | 0.05 | 0 |
| 748 | 43 | 36 | 0 | 44 | 42 | 36 | 0 | 43 | 297694.94 | 297695 | -0.06285 | 0.03 | 0 |
| 749 | 43 | 35 | 0 | 45 | 42 | 35 | 0 | 44 | 297704.34 | 297704.42 | -0.07526 | 0.03 | 0 |
| 750 | 43 | 34 | 0 | 41 | 42 | 34 | 0 | 40 | 297707.8 | 297707.78 | 0.01778 | 0.03 | 0 |
| 751 | 43 | 35 | 0 | 43 | 42 | 35 | 0 | 42 | 297708.24 | 297708.29 | -0.0525 | 0.03 | 0 |
| 752 | 43 | 34 | 0 | 46 | 42 | 34 | 0 | 45 | 297708.86 | 297708.71 | 0.14808 | 0.03 | 0 |
| 753 | 43 | 35 | 0 | 44 | 42 | 35 | 0 | 43 | 297708.86 | 297708.91 | -0.05661 | 0.03 | 0 |
| 754 | 43 | 33 | 0 | 41 | 42 | 33 | 0 | 40 | 297721.78 | 297721.76 | 0.01706 | 0.05 | 0 |
| 755 | 43 | 34 | 0 | 43 | 42 | 34 | 0 | 42 | 297721.78 | 297721.85 | -0.06481 | 0.05 | 0 |
| 756 | 43 | 33 | 0 | 46 | 42 | 33 | 0 | 45 | 297722.66 | 297722.64 | 0.01972 | 0.05 | 0 |
| 757 | 43 | 34 | 0 | 44 | 42 | 34 | 0 | 43 | 297722.66 | 297722.43 | 0.23339 | 0.05 | 0 |
| 758 | 43 | 33 | 0 | 42 | 42 | 33 | 0 | 41 | 297730.25 | 297730.29 | -0.0483 | 0.03 | 0 |
| 759 | 43 | 33 | 0 | 45 | 42 | 33 | 0 | 44 | 297731.55 | 297731.56 | -0.00651 | 0.03 | 0 |
| 760 | 43 | 33 | 0 | 43 | 42 | 33 | 0 | 42 | 297734.96 | 297735.01 | -0.05315 | 0.03 | 0 |
| 761 | 43 | 33 | 0 | 44 | 42 | 33 | 0 | 43 | 297735.48 | 297735.56 | -0.07683 | 0.03 | 0 |
| 762 | 43 | 32 | 0 | 46 | 42 | 32 | 0 | 45 | 297736.16 | 297736.16 | -0.00361 | 0.03 | 0 |
| 763 | 43 | 32 | 0 | 42 | 42 | 32 | 0 | 41 | 297743.22 | 297743.35 | -0.12962 | 0.05 | 0 |

| | | | | | | | | | | | | | |
|-----|----|----|---|----|----|----|---|----|-----------|-----------|----------|------|---|
| 764 | 43 | 32 | 0 | 45 | 42 | 32 | 0 | 44 | 297744.52 | 297744.53 | -0.01794 | 0.05 | 0 |
| 765 | 43 | 32 | 0 | 43 | 42 | 32 | 0 | 42 | 297747.74 | 297747.78 | -0.04153 | 0.03 | 0 |
| 766 | 43 | 31 | 0 | 41 | 42 | 31 | 0 | 40 | 297748.44 | 297748.48 | -0.03646 | 0.05 | 0 |
| 767 | 43 | 32 | 0 | 44 | 42 | 32 | 0 | 43 | 297748.44 | 297748.29 | 0.15073 | 0.05 | 0 |
| 768 | 43 | 31 | 0 | 46 | 42 | 31 | 0 | 45 | 297749.27 | 297749.27 | 0.00708 | 0.03 | 0 |
| 769 | 43 | 31 | 0 | 42 | 42 | 31 | 0 | 41 | 297755.99 | 297756 | -0.01618 | 0.03 | 0 |
| 770 | 43 | 31 | 0 | 44 | 42 | 31 | 0 | 43 | 297760.64 | 297760.63 | 0.01307 | 0.05 | 0 |
| 771 | 43 | 30 | 0 | 41 | 42 | 30 | 0 | 40 | 297761.24 | 297761.21 | 0.03076 | 0.03 | 0 |
| 772 | 43 | 30 | 0 | 46 | 42 | 30 | 0 | 45 | 297761.96 | 297761.95 | 0.00979 | 0.03 | 0 |
| 773 | 43 | 29 | 0 | 41 | 42 | 29 | 0 | 40 | 297773.51 | 297773.52 | -0.0047 | 0.05 | 0 |
| 774 | 43 | 29 | 0 | 46 | 42 | 29 | 0 | 45 | 297774.23 | 297774.23 | 0.00852 | 0.05 | 0 |
| 775 | 43 | 29 | 0 | 42 | 42 | 29 | 0 | 41 | 297780.18 | 297780.11 | 0.07097 | 0.03 | 0 |
| 776 | 43 | 29 | 0 | 45 | 42 | 29 | 0 | 44 | 297781.15 | 297781.06 | 0.08661 | 0.03 | 0 |
| 777 | 43 | 28 | 0 | 41 | 42 | 28 | 0 | 40 | 297785.45 | 297785.41 | 0.03117 | 0.03 | 0 |
| 778 | 43 | 28 | 0 | 46 | 42 | 28 | 0 | 45 | 297786.11 | 297786.08 | 0.02726 | 0.03 | 0 |
| 779 | 43 | 28 | 0 | 42 | 42 | 28 | 0 | 41 | 297791.59 | 297791.56 | 0.03368 | 0.03 | 0 |
| 780 | 43 | 28 | 0 | 45 | 42 | 28 | 0 | 44 | 297792.43 | 297792.44 | -0.00424 | 0.05 | 0 |
| 781 | 43 | 28 | 0 | 43 | 42 | 28 | 0 | 42 | 297794.94 | 297794.93 | 0.00855 | 0.03 | 0 |
| 782 | 43 | 28 | 0 | 44 | 42 | 28 | 0 | 43 | 297795.31 | 297795.31 | 0.00677 | 0.03 | 0 |
| 783 | 43 | 27 | 0 | 41 | 42 | 27 | 0 | 40 | 297796.89 | 297796.89 | 0.00138 | 0.03 | 0 |
| 784 | 43 | 27 | 0 | 46 | 42 | 27 | 0 | 45 | 297797.52 | 297797.52 | -0.00199 | 0.03 | 0 |
| 785 | 43 | 27 | 0 | 42 | 42 | 27 | 0 | 41 | 297802.57 | 297802.6 | -0.03887 | 0.05 | 0 |
| 786 | 43 | 27 | 0 | 45 | 42 | 27 | 0 | 44 | 297803.42 | 297803.41 | 0.00306 | 0.03 | 0 |
| 787 | 43 | 27 | 0 | 43 | 42 | 27 | 0 | 42 | 297805.75 | 297805.74 | 0.00695 | 0.03 | 0 |
| 788 | 43 | 27 | 0 | 44 | 42 | 27 | 0 | 43 | 297806.09 | 297806.08 | 0.01424 | 0.05 | 0 |
| 789 | 43 | 26 | 0 | 41 | 42 | 26 | 0 | 40 | 297807.98 | 297807.95 | 0.03192 | 0.05 | 0 |
| 790 | 43 | 26 | 0 | 46 | 42 | 26 | 0 | 45 | 297808.59 | 297808.54 | 0.04676 | 0.03 | 0 |
| 791 | 43 | 26 | 0 | 42 | 42 | 26 | 0 | 41 | 297813.27 | 297813.25 | 0.01934 | 0.03 | 0 |
| 792 | 43 | 26 | 0 | 45 | 42 | 26 | 0 | 44 | 297814.05 | 297813.99 | 0.05752 | 0.05 | 0 |
| 793 | 43 | 26 | 0 | 44 | 42 | 26 | 0 | 43 | 297816.52 | 297816.46 | 0.0535 | 0.05 | 0 |
| 794 | 43 | 25 | 0 | 41 | 42 | 25 | 0 | 40 | 297818.62 | 297818.6 | 0.0268 | 0.03 | 0 |
| 795 | 43 | 25 | 0 | 46 | 42 | 25 | 0 | 45 | 297819.16 | 297819.15 | 0.00952 | 0.03 | 0 |
| 796 | 43 | 25 | 0 | 42 | 42 | 25 | 0 | 41 | 297823.56 | 297823.49 | 0.0673 | 0.03 | 0 |
| 797 | 43 | 25 | 0 | 45 | 42 | 25 | 0 | 44 | 297824.17 | 297824.17 | 0.00214 | 0.03 | 0 |
| 798 | 43 | 25 | 0 | 43 | 42 | 25 | 0 | 42 | 297826.24 | 297826.17 | 0.06561 | 0.05 | 0 |
| 799 | 43 | 25 | 0 | 44 | 42 | 25 | 0 | 43 | 297826.24 | 297826.45 | -0.21746 | 0.05 | 0 |
| 800 | 43 | 24 | 0 | 46 | 42 | 24 | 0 | 45 | 297829.36 | 297829.34 | 0.01727 | 0.03 | 0 |
| 801 | 43 | 24 | 0 | 42 | 42 | 24 | 0 | 41 | 297833.34 | 297833.34 | 0.005 | 0.03 | 0 |
| 802 | 43 | 24 | 0 | 45 | 42 | 24 | 0 | 44 | 297833.97 | 297833.95 | 0.01592 | 0.03 | 0 |
| 803 | 43 | 24 | 0 | 43 | 42 | 24 | 0 | 42 | 297835.88 | 297835.8 | 0.08686 | 0.05 | 0 |
| 804 | 43 | 24 | 0 | 44 | 42 | 24 | 0 | 43 | 297835.88 | 297836.05 | -0.16862 | 0.05 | 0 |
| 805 | 43 | 23 | 0 | 41 | 42 | 23 | 0 | 40 | 297838.64 | 297838.63 | 0.01461 | 0.03 | 0 |
| 806 | 43 | 23 | 0 | 46 | 42 | 23 | 0 | 45 | 297839.15 | 297839.12 | 0.03602 | 0.03 | 0 |
| 807 | 43 | 23 | 0 | 42 | 42 | 23 | 0 | 41 | 297842.81 | 297842.78 | 0.03644 | 0.05 | 0 |
| 808 | 43 | 23 | 0 | 45 | 42 | 23 | 0 | 44 | 297843.39 | 297843.33 | 0.05687 | 0.05 | 0 |
| 809 | 43 | 23 | 0 | 43 | 42 | 23 | 0 | 42 | 297845.19 | 297845.03 | 0.15905 | 0.05 | 0 |
| 810 | 43 | 23 | 0 | 44 | 42 | 23 | 0 | 43 | 297845.19 | 297845.26 | -0.06999 | 0.05 | 0 |
| 811 | 43 | 22 | 0 | 41 | 42 | 22 | 0 | 40 | 297848.03 | 297848.02 | 0.00954 | 0.03 | 0 |
| 812 | 43 | 22 | 0 | 46 | 42 | 22 | 0 | 45 | 297848.51 | 297848.48 | 0.02976 | 0.03 | 0 |
| 813 | 43 | 22 | 0 | 42 | 42 | 22 | 0 | 41 | 297851.84 | 297851.82 | 0.01962 | 0.03 | 0 |
| 814 | 43 | 22 | 0 | 45 | 42 | 22 | 0 | 44 | 297852.39 | 297852.32 | 0.07199 | 0.03 | 0 |
| 815 | 43 | 22 | 0 | 43 | 42 | 22 | 0 | 42 | 297854.01 | 297853.87 | 0.13718 | 0.03 | 0 |
| 816 | 43 | 22 | 0 | 44 | 42 | 22 | 0 | 43 | 297854.01 | 297854.08 | -0.06657 | 0.03 | 0 |
| 817 | 43 | 21 | 0 | 41 | 42 | 21 | 0 | 40 | 297857.01 | 297856.99 | 0.01683 | 0.03 | 0 |
| 818 | 43 | 21 | 0 | 46 | 42 | 21 | 0 | 45 | 297857.43 | 297857.42 | 0.01149 | 0.03 | 0 |
| 819 | 43 | 21 | 0 | 42 | 42 | 21 | 0 | 41 | 297860.44 | 297860.45 | -0.01146 | 0.03 | 0 |
| 820 | 43 | 21 | 0 | 45 | 42 | 21 | 0 | 44 | 297860.91 | 297860.9 | 0.01529 | 0.03 | 0 |
| 821 | 43 | 21 | 0 | 43 | 42 | 21 | 0 | 42 | 297862.42 | 297862.32 | 0.10426 | 0.03 | 0 |
| 822 | 43 | 21 | 0 | 44 | 42 | 21 | 0 | 43 | 297862.42 | 297862.5 | -0.07535 | 0.03 | 0 |
| 823 | 43 | 20 | 0 | 41 | 42 | 20 | 0 | 40 | 297865.54 | 297865.55 | -0.01252 | 0.03 | 0 |
| 824 | 43 | 20 | 0 | 46 | 42 | 20 | 0 | 45 | 297865.99 | 297865.95 | 0.0382 | 0.03 | 0 |
| 825 | 43 | 20 | 0 | 42 | 42 | 20 | 0 | 41 | 297868.72 | 297868.69 | 0.0302 | 0.03 | 0 |
| 826 | 43 | 20 | 0 | 45 | 42 | 20 | 0 | 44 | 297869.1 | 297869.08 | 0.01776 | 0.03 | 0 |
| 827 | 43 | 20 | 0 | 43 | 42 | 20 | 0 | 42 | 297870.49 | 297870.37 | 0.11427 | 0.03 | 0 |
| 828 | 43 | 20 | 0 | 44 | 42 | 20 | 0 | 43 | 297870.49 | 297870.53 | -0.04234 | 0.03 | 0 |
| 829 | 43 | 19 | 0 | 46 | 42 | 19 | 0 | 45 | 297874.08 | 297874.06 | 0.0219 | 0.05 | 0 |
| 830 | 43 | 19 | 0 | 42 | 42 | 19 | 0 | 41 | 297876.49 | 297876.52 | -0.0314 | 0.03 | 0 |
| 831 | 43 | 19 | 0 | 45 | 42 | 19 | 0 | 44 | 297876.88 | 297876.87 | 0.01441 | 0.03 | 0 |
| 832 | 43 | 19 | 0 | 43 | 42 | 19 | 0 | 42 | 297878.06 | 297878.04 | 0.02121 | 0.05 | 0 |
| 833 | 43 | 19 | 0 | 44 | 42 | 19 | 0 | 43 | 297878.06 | 297878.17 | -0.11353 | 0.05 | 0 |
| 834 | 43 | 18 | 0 | 41 | 42 | 18 | 0 | 40 | 297881.38 | 297881.41 | -0.03314 | 0.03 | 0 |
| 835 | 43 | 18 | 0 | 46 | 42 | 18 | 0 | 45 | 297881.76 | 297881.75 | 0.00157 | 0.03 | 0 |
| 836 | 43 | 18 | 0 | 42 | 42 | 18 | 0 | 41 | 297883.94 | 297883.95 | -0.01028 | 0.05 | 0 |
| 837 | 43 | 18 | 0 | 45 | 42 | 18 | 0 | 44 | 297884.23 | 297884.25 | -0.01875 | 0.05 | 0 |
| 838 | 43 | 18 | 0 | 43 | 42 | 18 | 0 | 42 | 297885.39 | 297885.31 | 0.0791 | 0.03 | 0 |
| 839 | 43 | 18 | 0 | 44 | 42 | 18 | 0 | 43 | 297885.39 | 297885.42 | -0.03493 | 0.03 | 0 |
| 840 | 43 | 17 | 0 | 41 | 42 | 17 | 0 | 40 | 297888.57 | 297888.72 | -0.14539 | 0.05 | 0 |
| 841 | 43 | 17 | 0 | 43 | 42 | 17 | 0 | 42 | 297892.23 | 297892.18 | 0.04791 | 0.03 | 0 |
| 842 | 43 | 17 | 0 | 44 | 42 | 17 | 0 | 43 | 297892.23 | 297892.28 | -0.04652 | 0.03 | 0 |
| 843 | 43 | 16 | 0 | 41 | 42 | 16 | 0 | 40 | 297895.57 | 297895.6 | -0.03028 | 0.05 | 0 |
| 844 | 43 | 16 | 0 | 46 | 42 | 16 | 0 | 45 | 297895.87 | 297895.9 | -0.02215 | 0.03 | 0 |
| 845 | 43 | 16 | 0 | 42 | 42 | 16 | 0 | 41 | 297897.68 | 297897.61 | 0.06317 | 0.03 | 0 |
| 846 | 43 | 16 | 0 | 45 | 42 | 16 | 0 | 44 | 297897.68 | 297897.82 | -0.14753 | 0.03 | 0 |
| 847 | 43 | 16 | 0 | 43 | 42 | 16 | 0 | 42 | 297898.69 | 297898.67 | 0.02066 | 0.05 | 0 |
| 848 | 43 | 16 | 0 | 44 | 42 | 16 | 0 | 43 | 297898.69 | 297898.74 | -0.05531 | 0.05 | 0 |
| 849 | 43 | 15 | 0 | 41 | 42 | 15 | 0 | 40 | 297902.07 | 297902.07 | -0.00179 | 0.05 | 0 |
| 850 | 43 | 15 | 0 | 46 | 42 | 15 | 0 | 45 | 297902.25 | 297902.34 | -0.09355 | 0.05 | 0 |
| 851 | 43 | 15 | 0 | 42 | 42 | 15 | 0 | 41 | 297903.93 | 297903.84 | 0.09449 | 0.03 | 0 |
| 852 | 43 | 15 | 0 | 45 | 42 | 15 | 0 | 44 | 297903.93 | 297904.01 | -0.07714 | 0.03 | 0 |
| 853 | 43 | 15 | 0 | 43 | 42 | 15 | 0 | 42 | 297904.81 | 297904.76 | 0.05034 | 0.03 | 0 |
| 854 | 43 | 15 | 0 | 44 | 42 | 15 | 0 | 43 | 297904.81 | 297904.81 | -0.00831 | 0.03 | 0 |
| 855 | 43 | 14 | 0 | 46 | 42 | 14 | 0 | 45 | 297908.32 | 297908.37 | -0.05897 | 0.05 | 0 |
| 856 | 43 | 14 | 0 | 42 | 42 | 14 | 0 | 41 | 297909.72 | 297909.66 | 0.05053 | 0.03 | 0 |
| 857 | 43 | 14 | 0 | 45 | 42 | 14 | 0 | 44 | 297909.72 | 297909.8 | -0.08456 | 0.03 | 0 |
| 858 | 43 | 14 | 0 | 43 | 42 | 14 | 0 | 42 | 297910.49 | 297910.45 | 0.04095 | 0.05 | 0 |
| 859 | 43 | 14 | 0 | 44 | 42 | 14 | 0 | 43 | 297910.49 | 297910.5 | -0.0015 | 0.05 | 0 |
| 860 | 43 | 13 | 0 | 41 | 42 | 13 | 0 | 40 | 297913.91 | 297913.76 | 0.15532 | 0.05 | 0 |
| 861 | 43 | 13 | 0 | 46 | 42 | 13 | 0 | 45 | 297913.91 | 297913.99 | -0.07643 | 0.05 | 0 |
| 862 | 43 | 13 | 0 | 42 | 42 | 13 | 0 | 41 | 297915.16 | 297915.09 | 0.06731 | 0.03 | 0 |
| 863 | 43 | 13 | 0 | 45 | 42 | 13 | 0 | 44 | 297915.16 | 297915.19 | -0.03378 | 0.03 | 0 |
| 864 | 43 | 13 | 0 | 43 | 42 | 13 | 0 | 42 | 297915.78 | 297915.76 | 0.02149 | 0.03 | 0 |

| | | | | | | | | | | | | | |
|-----|----|----|---|----|----|----|---|----|-----------|-----------|----------|------|---|
| 865 | 43 | 13 | 0 | 44 | 42 | 13 | 0 | 43 | 297915.78 | 297915.78 | -0.00589 | 0.03 | 0 |
| 866 | 43 | 12 | 0 | 41 | 42 | 12 | 0 | 40 | 297919.06 | 297918.98 | 0.08595 | 0.05 | 0 |
| 867 | 43 | 12 | 0 | 46 | 42 | 12 | 0 | 45 | 297919.06 | 297919.19 | -0.12792 | 0.05 | 0 |
| 868 | 43 | 12 | 0 | 42 | 42 | 12 | 0 | 41 | 297920.11 | 297920.11 | -0.0032 | 0.03 | 0 |
| 869 | 43 | 12 | 0 | 45 | 42 | 12 | 0 | 44 | 297920.11 | 297920.18 | -0.07281 | 0.03 | 0 |
| 870 | 43 | 12 | 0 | 43 | 42 | 12 | 0 | 42 | 297920.68 | 297920.67 | 0.00595 | 0.03 | 0 |
| 871 | 43 | 12 | 0 | 44 | 42 | 12 | 0 | 43 | 297920.68 | 297920.68 | -0.00747 | 0.03 | 0 |
| 872 | 43 | 11 | 0 | 41 | 42 | 11 | 0 | 40 | 297923.89 | 297923.78 | 0.10996 | 0.05 | 0 |
| 873 | 43 | 11 | 0 | 46 | 42 | 11 | 0 | 45 | 297923.89 | 297923.97 | -0.08745 | 0.05 | 0 |
| 874 | 43 | 11 | 0 | 42 | 42 | 11 | 0 | 41 | 297924.72 | 297924.73 | -0.00997 | 0.03 | 0 |
| 875 | 43 | 11 | 0 | 45 | 42 | 11 | 0 | 44 | 297924.72 | 297924.77 | -0.05064 | 0.03 | 0 |
| 876 | 43 | 11 | 0 | 43 | 42 | 11 | 0 | 42 | 297925.19 | 297925.19 | -0.00266 | 0.03 | 0 |
| 877 | 43 | 11 | 0 | 44 | 42 | 11 | 0 | 43 | 297925.19 | 297925.19 | -0.00325 | 0.03 | 0 |
| 878 | 43 | 10 | 0 | 41 | 42 | 10 | 0 | 40 | 297928.17 | 297928.16 | 0.01135 | 0.05 | 0 |
| 879 | 43 | 10 | 0 | 46 | 42 | 10 | 0 | 45 | 297928.17 | 297928.34 | -0.17101 | 0.05 | 0 |
| 880 | 43 | 10 | 0 | 42 | 42 | 10 | 0 | 41 | 297928.93 | 297928.95 | -0.02103 | 0.05 | 0 |
| 881 | 43 | 10 | 0 | 45 | 42 | 10 | 0 | 44 | 297928.93 | 297928.96 | -0.03528 | 0.05 | 0 |
| 882 | 43 | 10 | 0 | 44 | 42 | 10 | 0 | 43 | 297929.3 | 297929.3 | -0.00623 | 0.03 | 0 |
| 883 | 43 | 10 | 0 | 43 | 42 | 10 | 0 | 42 | 297929.3 | 297929.31 | -0.01734 | 0.03 | 0 |
| 884 | 43 | 9 | 0 | 41 | 42 | 9 | 0 | 40 | 297932.09 | 297932.12 | -0.02987 | 0.05 | 0 |
| 885 | 43 | 9 | 0 | 46 | 42 | 9 | 0 | 45 | 297932.09 | 297932.29 | -0.19861 | 0.05 | 0 |
| 886 | 43 | 9 | 0 | 45 | 42 | 9 | 0 | 44 | 297932.78 | 297932.75 | 0.02429 | 0.05 | 0 |
| 887 | 43 | 9 | 0 | 42 | 42 | 9 | 0 | 41 | 297932.78 | 297932.76 | 0.01464 | 0.05 | 0 |
| 888 | 43 | 9 | 0 | 44 | 42 | 9 | 0 | 43 | 297932.98 | 297933.02 | -0.0484 | 0.05 | 0 |
| 889 | 43 | 9 | 0 | 43 | 42 | 9 | 0 | 42 | 297932.98 | 297933.05 | -0.0701 | 0.05 | 0 |
| 890 | 43 | 8 | 0 | 46 | 42 | 8 | 0 | 45 | 297935.39 | 297935.83 | -0.44025 | 0.05 | 0 |
| 891 | 43 | 8 | 0 | 45 | 42 | 8 | 0 | 44 | 297936.22 | 297936.15 | 0.06905 | 0.05 | 0 |
| 892 | 43 | 8 | 0 | 42 | 42 | 8 | 0 | 41 | 297936.22 | 297936.18 | 0.03802 | 0.05 | 0 |
| 893 | 43 | 7 | 0 | 45 | 42 | 7 | 0 | 44 | 297939.28 | 297939.14 | 0.13502 | 0.05 | 0 |
| 894 | 43 | 7 | 0 | 42 | 42 | 7 | 0 | 41 | 297939.28 | 297939.19 | 0.08513 | 0.05 | 0 |
| 895 | 43 | 7 | 0 | 44 | 42 | 7 | 0 | 43 | 297939.28 | 297939.29 | -0.01732 | 0.05 | 0 |
| 896 | 43 | 7 | 0 | 43 | 42 | 7 | 0 | 42 | 297939.28 | 297939.33 | -0.05684 | 0.05 | 0 |
| 897 | 43 | 7 | 0 | 45 | 42 | 7 | 0 | 44 | 297939.28 | 297939.14 | 0.13502 | 0.05 | 0 |
| 898 | 43 | 7 | 0 | 42 | 42 | 7 | 0 | 41 | 297939.28 | 297939.19 | 0.08513 | 0.05 | 0 |
| 899 | 43 | 7 | 0 | 44 | 42 | 7 | 0 | 43 | 297939.28 | 297939.29 | -0.01732 | 0.05 | 0 |
| 900 | 43 | 7 | 0 | 43 | 42 | 7 | 0 | 42 | 297939.28 | 297939.33 | -0.05684 | 0.05 | 0 |
| 901 | 43 | 6 | 0 | 42 | 42 | 6 | 0 | 41 | 297941.73 | 297941.8 | -0.07004 | 0.03 | 0 |
| 902 | 43 | 6 | 0 | 44 | 42 | 6 | 0 | 43 | 297941.73 | 297941.84 | -0.10807 | 0.03 | 0 |
| 903 | 43 | 6 | 0 | 43 | 42 | 6 | 0 | 42 | 297941.73 | 297941.89 | -0.15483 | 0.03 | 0 |
| 904 | 43 | 5 | 0 | 45 | 42 | 5 | 0 | 44 | 297943.94 | 297943.93 | 0.00356 | 0.03 | 0 |
| 905 | 43 | 5 | 0 | 42 | 42 | 5 | 0 | 41 | 297943.94 | 297944.01 | -0.07649 | 0.03 | 0 |
| 906 | 43 | 5 | 0 | 44 | 42 | 5 | 0 | 43 | 297943.94 | 297944 | -0.06002 | 0.03 | 0 |
| 907 | 43 | 5 | 0 | 43 | 42 | 5 | 0 | 42 | 297943.94 | 297944.05 | -0.11129 | 0.03 | 0 |
| 908 | 43 | 4 | 0 | 46 | 42 | 4 | 0 | 45 | 297945.74 | 297945.81 | -0.07221 | 0.03 | 0 |
| 909 | 43 | 4 | 0 | 45 | 42 | 4 | 0 | 44 | 297945.74 | 297945.73 | 0.01114 | 0.03 | 0 |
| 910 | 43 | 4 | 0 | 44 | 42 | 4 | 0 | 43 | 297945.74 | 297945.76 | -0.01915 | 0.03 | 0 |
| 911 | 43 | 4 | 0 | 42 | 42 | 4 | 0 | 41 | 297945.74 | 297945.82 | -0.08022 | 0.03 | 0 |
| 912 | 43 | 4 | 0 | 43 | 42 | 4 | 0 | 42 | 297945.74 | 297945.82 | -0.07704 | 0.03 | 0 |
| 913 | 43 | 3 | 0 | 41 | 42 | 3 | 0 | 40 | 297947.12 | 297947.15 | -0.02601 | 0.03 | 0 |
| 914 | 43 | 3 | 0 | 45 | 42 | 3 | 0 | 44 | 297947.12 | 297947.13 | -0.00108 | 0.03 | 0 |
| 915 | 43 | 3 | 0 | 46 | 42 | 3 | 0 | 45 | 297947.12 | 297947.27 | -0.14306 | 0.03 | 0 |
| 916 | 43 | 3 | 0 | 44 | 42 | 3 | 0 | 43 | 297947.12 | 297947.13 | -0.00548 | 0.03 | 0 |
| 917 | 43 | 3 | 0 | 42 | 42 | 3 | 0 | 41 | 297947.12 | 297947.23 | -0.10123 | 0.03 | 0 |
| 918 | 43 | 3 | 0 | 43 | 42 | 3 | 0 | 42 | 297947.12 | 297947.19 | -0.06727 | 0.03 | 0 |
| 919 | 43 | 2 | 0 | 41 | 42 | 2 | 0 | 40 | 297948.13 | 297948.19 | -0.06849 | 0.03 | 0 |
| 920 | 43 | 2 | 0 | 45 | 42 | 2 | 0 | 44 | 297948.13 | 297948.12 | 0.00019 | 0.03 | 0 |
| 921 | 43 | 2 | 0 | 44 | 42 | 2 | 0 | 43 | 297948.13 | 297948.11 | 0.016 | 0.03 | 0 |
| 922 | 43 | 2 | 0 | 46 | 42 | 2 | 0 | 45 | 297948.13 | 297948.31 | -0.18195 | 0.03 | 0 |
| 923 | 43 | 2 | 0 | 43 | 42 | 2 | 0 | 42 | 297948.13 | 297948.17 | -0.04857 | 0.03 | 0 |
| 924 | 43 | 2 | 0 | 42 | 42 | 2 | 0 | 41 | 297948.13 | 297948.23 | -0.10453 | 0.03 | 0 |
| 925 | 43 | 0 | 0 | 41 | 42 | 0 | 0 | 40 | 297948.87 | 297949.03 | -0.15928 | 0.03 | 0 |
| 926 | 43 | 0 | 0 | 45 | 42 | 0 | 0 | 44 | 297948.87 | 297948.92 | -0.05251 | 0.03 | 0 |
| 927 | 43 | 0 | 0 | 44 | 42 | 0 | 0 | 43 | 297948.87 | 297948.89 | -0.02362 | 0.03 | 0 |
| 928 | 43 | 0 | 0 | 43 | 42 | 0 | 0 | 42 | 297948.87 | 297948.96 | -0.09041 | 0.03 | 0 |
| 929 | 43 | 0 | 0 | 42 | 42 | 0 | 0 | 41 | 297948.87 | 297949.03 | -0.16397 | 0.03 | 0 |
| 930 | 43 | 0 | 0 | 46 | 42 | 0 | 0 | 45 | 297948.87 | 297949.14 | -0.26986 | 0.03 | 0 |
| 931 | 43 | 1 | 0 | 41 | 42 | 1 | 0 | 40 | 297948.87 | 297948.82 | 0.04942 | 0.03 | 0 |
| 932 | 43 | 1 | 0 | 45 | 42 | 1 | 0 | 44 | 297948.87 | 297948.72 | 0.1471 | 0.03 | 0 |
| 933 | 43 | 1 | 0 | 44 | 42 | 1 | 0 | 43 | 297948.87 | 297948.7 | 0.17228 | 0.03 | 0 |
| 934 | 43 | 1 | 0 | 43 | 42 | 1 | 0 | 42 | 297948.87 | 297948.76 | 0.10605 | 0.03 | 0 |
| 935 | 43 | 1 | 0 | 46 | 42 | 1 | 0 | 45 | 297948.87 | 297948.93 | -0.06188 | 0.03 | 0 |
| 936 | 43 | 1 | 0 | 42 | 42 | 1 | 0 | 41 | 297948.87 | 297948.83 | 0.03689 | 0.03 | 0 |

NEW PARAMETER (EST. ERROR) -- CHANGE THIS ITERATION

| | | | | |
|----|-----------|----------|--------------------|---------------|
| 1 | 10000 | A | 3849.810000263(0) | 0.00000000 |
| 2 | 20000 | B | 3466.964588(74) | 0.000000 |
| 3 | 200 | -DJ | -0.661099(89)E-03 | 0.000000E-03 |
| 4 | 1100 | -DJK | -2.354181(290)E-03 | -0.000000E-03 |
| 5 | 300 | HJ | 0.3204(308)E-09 | -0.00000E-09 |
| 6 | 1200 | HJK | 2.819(90)E-09 | 0.0000E-09 |
| 7 | 110010000 | 1.5eQq | 1074.8588(35) | 0.0000 |
| 8 | 110010100 | 1.5eQqJN | -0.01268(36) | -0.00000 |
| 9 | 10010000 | -Caa | 0.05060(41) | -0.00000 |
| 10 | 10020000 | -Cbb | 0.051750(99) | 0.000000 |

MICROWAVE AVG = 0.000048 MHz, IR AVG = 0.00000
MICROWAVE RMS = 0.042485 MHz, IR RMS = 0.00000

2) Assigned Microwave and Millimeter-wave Lines and Fitted Molecular Parameters of the Ground State of CH₃¹⁸⁵ReO₃ (MHz)

Methyl rhenium trioxide CH₃¹⁸⁵ReO₃ T. Huet

| | J' | K' | el' | F'+1/2 | J | K | el | F+1/2 | EXP.FREQ | CALC.FREQ | DIFF. | EXP.ERR. | EST.ERR. |
|----|----|----|-----|--------|----|----|----|-------|------------|------------|----------|----------|----------|
| 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 6828.7827 | 6828.78166 | 0.00104 | 0.001 | 0 |
| 2 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 3 | 6896.8503 | 6896.84923 | 0.00107 | 0.001 | 0 |
| 3 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 7055.8122 | 7055.81268 | -0.00048 | 0.001 | 0 |
| 4 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 3 | 13693.024 | 13693.0233 | 0.00073 | 0.001 | 0 |
| 5 | 2 | 1 | 0 | 1 | 1 | 1 | 0 | 2 | 13740.4943 | 13740.4956 | -0.00128 | 0.001 | 0 |
| 6 | 2 | 1 | 0 | 2 | 1 | 1 | 0 | 2 | 13790.3326 | 13790.3313 | 0.00134 | 0.001 | 0 |
| 7 | 2 | 0 | 0 | 3 | 1 | 0 | 0 | 3 | 13802.168 | 13802.1656 | 0.00238 | 0.001 | 0 |
| 8 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 13822.6596 | 13822.6604 | -0.00075 | 0.001 | 0 |
| 9 | 2 | 1 | 0 | 5 | 1 | 1 | 0 | 4 | 13822.8213 | 13822.8206 | 0.00069 | 0.001 | 0 |
| 10 | 2 | 0 | 0 | 4 | 1 | 0 | 0 | 3 | 13839.0876 | 13839.0891 | -0.0015 | 0.001 | 0 |
| 11 | 2 | 1 | 0 | 3 | 1 | 1 | 0 | 2 | 13843.5996 | 13843.6018 | -0.00223 | 0.001 | 0 |
| 12 | 2 | 0 | 0 | 5 | 1 | 0 | 0 | 4 | 13852.2586 | 13852.2597 | -0.00112 | 0.001 | 0 |
| 13 | 2 | 1 | 0 | 3 | 1 | 1 | 0 | 4 | 13877.0158 | 13877.0179 | -0.0021 | 0.001 | 0 |
| 14 | 2 | 1 | 0 | 4 | 1 | 1 | 0 | 4 | 13896.5642 | 13896.5638 | 0.00044 | 0.001 | 0 |
| 15 | 2 | 1 | 0 | 3 | 1 | 1 | 0 | 3 | 13956.2849 | 13956.2838 | 0.00106 | 0.001 | 0 |
| 16 | 2 | 1 | 0 | 4 | 1 | 1 | 0 | 3 | 13975.8302 | 13975.8297 | 0.0005 | 0.001 | 0 |
| 17 | 2 | 0 | 0 | 4 | 1 | 0 | 0 | 4 | 13998.0539 | 13998.0526 | 0.00135 | 0.001 | 0 |
| 18 | 22 | 1 | 0 | 24 | 21 | 1 | 0 | 23 | 152521.611 | 152521.509 | 0.10208 | 0.03 | 0 |
| 19 | 22 | 3 | 0 | 21 | 21 | 3 | 0 | 20 | 152521.611 | 152521.576 | 0.03547 | 0.03 | 0 |
| 20 | 22 | 2 | 0 | 20 | 21 | 2 | 0 | 19 | 152521.611 | 152521.598 | 0.01271 | 0.03 | 0 |
| 21 | 22 | 0 | 0 | 24 | 21 | 0 | 0 | 23 | 152521.611 | 152521.592 | 0.01853 | 0.03 | 0 |
| 22 | 22 | 2 | 0 | 23 | 21 | 2 | 0 | 22 | 152521.611 | 152521.607 | 0.00044 | 0.03 | 0 |
| 23 | 22 | 3 | 0 | 22 | 21 | 3 | 0 | 21 | 152521.611 | 152521.665 | -0.05362 | 0.03 | 0 |
| 24 | 22 | 4 | 0 | 22 | 21 | 4 | 0 | 21 | 152521.276 | 152521.204 | 0.07242 | 0.03 | 0 |
| 25 | 22 | 2 | 0 | 24 | 21 | 2 | 0 | 23 | 152521.276 | 152521.258 | 0.01773 | 0.03 | 0 |
| 26 | 22 | 2 | 0 | 25 | 21 | 2 | 0 | 24 | 152521.276 | 152521.308 | -0.03165 | 0.03 | 0 |
| 27 | 22 | 3 | 0 | 23 | 21 | 3 | 0 | 22 | 152521.276 | 152521.321 | -0.04459 | 0.03 | 0 |
| 28 | 22 | 3 | 0 | 20 | 21 | 3 | 0 | 19 | 152520.824 | 152520.785 | 0.03946 | 0.03 | 0 |
| 29 | 22 | 3 | 0 | 24 | 21 | 3 | 0 | 23 | 152520.824 | 152520.841 | -0.01654 | 0.03 | 0 |
| 30 | 22 | 4 | 0 | 21 | 21 | 4 | 0 | 20 | 152520.824 | 152520.854 | -0.0299 | 0.03 | 0 |
| 31 | 22 | 4 | 0 | 23 | 21 | 4 | 0 | 22 | 152520.824 | 152520.92 | -0.09619 | 0.03 | 0 |
| 32 | 22 | 4 | 0 | 24 | 21 | 4 | 0 | 23 | 152520.533 | 152520.256 | 0.27725 | 0.03 | 0 |
| 33 | 22 | 5 | 0 | 23 | 21 | 5 | 0 | 22 | 152520.533 | 152520.405 | 0.12759 | 0.03 | 0 |
| 34 | 22 | 3 | 0 | 25 | 21 | 3 | 0 | 24 | 152520.533 | 152520.55 | -0.0167 | 0.03 | 0 |
| 35 | 22 | 5 | 0 | 22 | 21 | 5 | 0 | 21 | 152520.533 | 152520.611 | -0.07777 | 0.03 | 0 |
| 36 | 22 | 6 | 0 | 23 | 21 | 6 | 0 | 22 | 152519.844 | 152519.776 | 0.06775 | 0.03 | 0 |
| 37 | 22 | 6 | 0 | 22 | 21 | 6 | 0 | 21 | 152519.844 | 152519.886 | -0.04218 | 0.03 | 0 |
| 38 | 22 | 5 | 0 | 21 | 21 | 5 | 0 | 20 | 152519.844 | 152519.926 | -0.08206 | 0.03 | 0 |
| 39 | 22 | 4 | 0 | 25 | 21 | 4 | 0 | 24 | 152519.509 | 152519.489 | 0.02045 | 0.03 | 0 |
| 40 | 22 | 5 | 0 | 24 | 21 | 5 | 0 | 23 | 152519.509 | 152519.504 | 0.00507 | 0.03 | 0 |
| 41 | 22 | 15 | 0 | 23 | 21 | 15 | 0 | 22 | 152509.009 | 152508.971 | 0.03839 | 0.03 | 0 |
| 42 | 22 | 9 | 0 | 20 | 21 | 9 | 0 | 19 | 152509.009 | 152509.069 | -0.06007 | 0.03 | 0 |
| 43 | 22 | 15 | 0 | 22 | 21 | 15 | 0 | 21 | 152507.448 | 152507.428 | 0.02018 | 0.05 | 0 |
| 44 | 22 | 13 | 0 | 24 | 21 | 13 | 0 | 23 | 152507.448 | 152507.484 | -0.03571 | 0.05 | 0 |
| 45 | 22 | 10 | 0 | 25 | 21 | 10 | 0 | 24 | 152506.746 | 152506.752 | -0.00062 | 0.05 | 0 |
| 46 | 22 | 14 | 0 | 21 | 21 | 14 | 0 | 20 | 152502.264 | 152502.292 | -0.02823 | 0.05 | 0 |
| 47 | 22 | 17 | 0 | 24 | 21 | 17 | 0 | 23 | 152497.473 | 152497.48 | -0.00668 | 0.03 | 0 |
| 48 | 22 | 13 | 0 | 20 | 21 | 13 | 0 | 19 | 152494.758 | 152494.756 | 0.00166 | 0.05 | 0 |
| 49 | 22 | 18 | 0 | 24 | 21 | 18 | 0 | 23 | 152494.538 | 152494.564 | -0.02604 | 0.03 | 0 |
| 50 | 22 | 17 | 0 | 21 | 21 | 17 | 0 | 20 | 152492.67 | 152492.698 | -0.02801 | 0.03 | 0 |
| 51 | 22 | 20 | 0 | 24 | 21 | 20 | 0 | 23 | 152488.224 | 152488.236 | -0.01236 | 0.03 | 0 |
| 52 | 22 | 15 | 0 | 25 | 21 | 15 | 0 | 24 | 152487.79 | 152487.791 | -0.00061 | 0.03 | 0 |
| 53 | 22 | 15 | 0 | 20 | 21 | 15 | 0 | 19 | 152485.664 | 152485.652 | 0.01222 | 0.03 | 0 |
| 54 | 22 | 16 | 0 | 25 | 21 | 16 | 0 | 24 | 152483.102 | 152483.087 | 0.01548 | 0.03 | 0 |
| 55 | 22 | 20 | 0 | 21 | 21 | 20 | 0 | 20 | 152481.222 | 152481.243 | -0.02126 | 0.05 | 0 |
| 56 | 22 | 17 | 0 | 25 | 21 | 17 | 0 | 24 | 152478.09 | 152478.078 | 0.01176 | 0.05 | 0 |
| 57 | 22 | 21 | 0 | 21 | 21 | 21 | 0 | 20 | 152476.987 | 152477.011 | -0.02425 | 0.03 | 0 |
| 58 | 22 | 18 | 0 | 25 | 21 | 18 | 0 | 24 | 152472.792 | 152472.766 | 0.02636 | 0.03 | 0 |
| 59 | 22 | 18 | 0 | 20 | 21 | 18 | 0 | 19 | 152469.573 | 152469.563 | 0.01007 | 0.03 | 0 |
| 60 | 22 | 19 | 0 | 25 | 21 | 19 | 0 | 24 | 152467.195 | 152467.149 | 0.04644 | 0.03 | 0 |
| 61 | 22 | 19 | 0 | 20 | 21 | 19 | 0 | 19 | 152463.557 | 152463.552 | 0.00487 | 0.03 | 0 |
| 62 | 22 | 20 | 0 | 25 | 21 | 20 | 0 | 24 | 152461.243 | 152461.227 | 0.01613 | 0.03 | 0 |
| 63 | 22 | 20 | 0 | 20 | 21 | 20 | 0 | 19 | 152457.236 | 152457.218 | 0.01829 | 0.03 | 0 |
| 64 | 22 | 21 | 0 | 25 | 21 | 21 | 0 | 24 | 152455.006 | 152455 | 0.0056 | 0.03 | 0 |
| 65 | 22 | 21 | 0 | 20 | 21 | 21 | 0 | 19 | 152450.557 | 152450.56 | -0.00288 | 0.03 | 0 |
| 66 | 25 | 1 | 0 | 26 | 24 | 1 | 0 | 25 | 173310.96 | 173310.913 | 0.0473 | 0.05 | 0 |
| 67 | 25 | 2 | 0 | 25 | 24 | 2 | 0 | 24 | 173310.96 | 173310.949 | 0.01144 | 0.05 | 0 |
| 68 | 25 | 1 | 0 | 28 | 24 | 1 | 0 | 27 | 173310.96 | 173310.966 | -0.00646 | 0.05 | 0 |
| 69 | 25 | 0 | 0 | 26 | 24 | 0 | 0 | 25 | 173310.96 | 173310.999 | -0.03891 | 0.05 | 0 |

| | | | | | | | | | | | | | |
|-----|----|----|---|----|----|----|---|----|------------|------------|----------|------|---|
| 70 | 25 | 2 | 0 | 24 | 24 | 2 | 0 | 23 | 173310.96 | 173311.04 | -0.08006 | 0.05 | 0 |
| 71 | 25 | 2 | 0 | 27 | 24 | 2 | 0 | 26 | 173310.456 | 173310.416 | 0.03985 | 0.05 | 0 |
| 72 | 25 | 3 | 0 | 24 | 24 | 3 | 0 | 23 | 173310.456 | 173310.458 | -0.00237 | 0.05 | 0 |
| 73 | 25 | 3 | 0 | 25 | 24 | 3 | 0 | 24 | 173310.456 | 173310.492 | -0.03564 | 0.05 | 0 |
| 74 | 25 | 2 | 0 | 28 | 24 | 2 | 0 | 27 | 173310.456 | 173310.514 | -0.05841 | 0.05 | 0 |
| 75 | 25 | 3 | 0 | 28 | 24 | 3 | 0 | 27 | 173309.826 | 173309.761 | 0.06501 | 0.05 | 0 |
| 76 | 25 | 4 | 0 | 25 | 24 | 4 | 0 | 24 | 173309.826 | 173309.852 | -0.02594 | 0.05 | 0 |
| 77 | 25 | 3 | 0 | 27 | 24 | 3 | 0 | 26 | 173309.826 | 173309.893 | -0.06694 | 0.05 | 0 |
| 78 | 25 | 3 | 0 | 23 | 24 | 3 | 0 | 22 | 173309.826 | 173309.903 | -0.07672 | 0.05 | 0 |
| 79 | 25 | 5 | 0 | 25 | 24 | 5 | 0 | 24 | 173309.106 | 173309.029 | 0.07655 | 0.05 | 0 |
| 80 | 25 | 4 | 0 | 27 | 24 | 4 | 0 | 26 | 173309.106 | 173309.116 | -0.05447 | 0.05 | 0 |
| 81 | 25 | 5 | 0 | 24 | 24 | 5 | 0 | 23 | 173308.746 | 173308.597 | 0.14904 | 0.05 | 0 |
| 82 | 25 | 4 | 0 | 28 | 24 | 4 | 0 | 27 | 173308.746 | 173308.706 | 0.03981 | 0.05 | 0 |
| 83 | 25 | 4 | 0 | 23 | 24 | 4 | 0 | 22 | 173308.746 | 173308.801 | -0.05517 | 0.05 | 0 |
| 84 | 25 | 5 | 0 | 26 | 24 | 5 | 0 | 25 | 173308.746 | 173308.844 | -0.09785 | 0.05 | 0 |
| 85 | 25 | 6 | 0 | 26 | 24 | 6 | 0 | 25 | 173307.936 | 173307.896 | 0.04034 | 0.05 | 0 |
| 86 | 25 | 6 | 0 | 25 | 24 | 6 | 0 | 24 | 173307.936 | 173308.024 | -0.08817 | 0.05 | 0 |
| 87 | 25 | 6 | 0 | 24 | 24 | 6 | 0 | 23 | 173307.324 | 173307.317 | 0.00679 | 0.05 | 0 |
| 88 | 25 | 5 | 0 | 28 | 24 | 5 | 0 | 27 | 173307.324 | 173307.35 | -0.026 | 0.05 | 0 |
| 89 | 25 | 5 | 0 | 23 | 24 | 5 | 0 | 22 | 173307.324 | 173307.385 | -0.06093 | 0.05 | 0 |
| 90 | 25 | 6 | 0 | 27 | 24 | 6 | 0 | 26 | 173307.054 | 173307.068 | -0.01379 | 0.05 | 0 |
| 91 | 25 | 9 | 0 | 24 | 24 | 9 | 0 | 23 | 173302.086 | 173302.082 | 0.00433 | 0.05 | 0 |
| 92 | 25 | 10 | 0 | 25 | 24 | 10 | 0 | 24 | 173302.086 | 173302.175 | -0.08875 | 0.05 | 0 |
| 93 | 25 | 11 | 0 | 26 | 24 | 11 | 0 | 25 | 173300.556 | 173300.569 | -0.01313 | 0.05 | 0 |
| 94 | 25 | 11 | 0 | 25 | 24 | 11 | 0 | 24 | 173300.322 | 173300.255 | 0.06678 | 0.05 | 0 |
| 95 | 25 | 10 | 0 | 27 | 24 | 10 | 0 | 26 | 173300.322 | 173300.372 | -0.0502 | 0.05 | 0 |
| 96 | 25 | 10 | 0 | 24 | 24 | 10 | 0 | 23 | 173299.854 | 173299.871 | -0.01701 | 0.05 | 0 |
| 97 | 25 | 9 | 0 | 28 | 24 | 9 | 0 | 27 | 173298.9 | 173298.911 | -0.01088 | 0.05 | 0 |
| 98 | 25 | 9 | 0 | 23 | 24 | 9 | 0 | 22 | 173298.576 | 173298.573 | 0.00254 | 0.05 | 0 |
| 99 | 25 | 12 | 0 | 26 | 24 | 12 | 0 | 25 | 173298.576 | 173298.587 | -0.01081 | 0.05 | 0 |
| 100 | 25 | 13 | 0 | 26 | 24 | 13 | 0 | 25 | 173296.47 | 173296.432 | 0.03783 | 0.05 | 0 |
| 101 | 25 | 11 | 0 | 28 | 24 | 11 | 0 | 27 | 173292.852 | 173292.882 | -0.03034 | 0.05 | 0 |
| 102 | 25 | 11 | 0 | 23 | 24 | 11 | 0 | 22 | 173292.33 | 173292.28 | 0.04967 | 0.05 | 0 |
| 103 | 25 | 15 | 0 | 25 | 24 | 15 | 0 | 24 | 173290.746 | 173290.748 | -0.00164 | 0.05 | 0 |
| 104 | 25 | 16 | 0 | 25 | 24 | 16 | 0 | 24 | 173287.902 | 173287.913 | -0.01121 | 0.05 | 0 |
| 105 | 25 | 15 | 0 | 27 | 24 | 15 | 0 | 26 | 173287.29 | 173287.299 | -0.00914 | 0.05 | 0 |
| 106 | 25 | 16 | 0 | 27 | 24 | 16 | 0 | 26 | 173284.032 | 173284.058 | -0.0259 | 0.05 | 0 |
| 107 | 25 | 14 | 0 | 23 | 24 | 14 | 0 | 22 | 173280.54 | 173280.482 | 0.05756 | 0.05 | 0 |
| 108 | 25 | 17 | 0 | 27 | 24 | 17 | 0 | 26 | 173280.54 | 173280.608 | -0.06793 | 0.05 | 0 |
| 109 | 25 | 15 | 0 | 28 | 24 | 15 | 0 | 27 | 173277.192 | 173277.206 | -0.01379 | 0.05 | 0 |
| 110 | 25 | 15 | 0 | 23 | 24 | 15 | 0 | 22 | 173275.914 | 173275.921 | -0.00719 | 0.05 | 0 |
| 111 | 25 | 20 | 0 | 25 | 24 | 20 | 0 | 24 | 173274.708 | 173274.744 | -0.03624 | 0.05 | 0 |
| 112 | 25 | 18 | 0 | 24 | 24 | 18 | 0 | 23 | 173273.808 | 173273.804 | 0.00394 | 0.05 | 0 |
| 113 | 25 | 21 | 0 | 26 | 24 | 21 | 0 | 25 | 173272.98 | 173272.994 | -0.01441 | 0.05 | 0 |
| 114 | 25 | 19 | 0 | 27 | 24 | 19 | 0 | 26 | 173272.98 | 173273.082 | -0.10209 | 0.05 | 0 |
| 115 | 25 | 21 | 0 | 25 | 24 | 21 | 0 | 24 | 173271 | 173270.994 | 0.00604 | 0.05 | 0 |
| 116 | 25 | 16 | 0 | 23 | 24 | 16 | 0 | 22 | 173271 | 173271.046 | -0.04574 | 0.05 | 0 |
| 117 | 25 | 22 | 0 | 24 | 24 | 22 | 0 | 23 | 173255.16 | 173255.18 | -0.0198 | 0.05 | 0 |
| 118 | 25 | 19 | 0 | 23 | 24 | 19 | 0 | 22 | 173254.53 | 173254.535 | -0.00499 | 0.05 | 0 |
| 119 | 25 | 24 | 0 | 27 | 24 | 24 | 0 | 26 | 173250.516 | 173250.62 | -0.10437 | 0.05 | 0 |
| 120 | 25 | 23 | 0 | 24 | 24 | 23 | 0 | 23 | 173249.94 | 173249.941 | -0.00098 | 0.05 | 0 |
| 121 | 25 | 20 | 0 | 23 | 24 | 20 | 0 | 22 | 173248.32 | 173248.404 | -0.08355 | 0.05 | 0 |
| 122 | 25 | 24 | 0 | 24 | 24 | 24 | 0 | 23 | 173244.63 | 173244.469 | 0.16102 | 0.05 | 0 |
| 123 | 25 | 21 | 0 | 28 | 24 | 21 | 0 | 27 | 173244.63 | 173244.636 | -0.00595 | 0.05 | 0 |
| 124 | 25 | 21 | 0 | 23 | 24 | 21 | 0 | 22 | 173241.948 | 173241.958 | -0.01032 | 0.05 | 0 |
| 125 | 25 | 22 | 0 | 28 | 24 | 22 | 0 | 27 | 173238.161 | 173238.15 | 0.01061 | 0.03 | 0 |
| 126 | 25 | 22 | 0 | 23 | 24 | 22 | 0 | 22 | 173235.217 | 173235.199 | 0.01758 | 0.03 | 0 |
| 127 | 25 | 23 | 0 | 28 | 24 | 23 | 0 | 27 | 173231.387 | 173231.363 | 0.02446 | 0.03 | 0 |
| 128 | 25 | 24 | 0 | 28 | 24 | 24 | 0 | 27 | 173224.29 | 173224.272 | 0.01766 | 0.05 | 0 |
| 129 | 29 | 1 | 0 | 32 | 28 | 1 | 0 | 31 | 201024.366 | 201024.251 | 0.11504 | 0.05 | 0 |
| 130 | 29 | 0 | 0 | 30 | 28 | 0 | 0 | 29 | 201024.366 | 201024.252 | 0.11385 | 0.05 | 0 |
| 131 | 29 | 1 | 0 | 27 | 28 | 1 | 0 | 26 | 201024.366 | 201024.332 | 0.03415 | 0.05 | 0 |
| 132 | 29 | 1 | 0 | 29 | 28 | 1 | 0 | 28 | 201024.366 | 201024.354 | 0.01167 | 0.05 | 0 |
| 133 | 29 | 0 | 0 | 32 | 28 | 0 | 0 | 31 | 201024.366 | 201024.409 | -0.04267 | 0.05 | 0 |
| 134 | 29 | 2 | 0 | 29 | 28 | 2 | 0 | 28 | 201024.132 | 201023.997 | 0.13517 | 0.05 | 0 |
| 135 | 29 | 1 | 0 | 31 | 28 | 1 | 0 | 30 | 201024.132 | 201024.03 | 0.10247 | 0.05 | 0 |
| 136 | 29 | 2 | 0 | 28 | 28 | 2 | 0 | 27 | 201024.132 | 201024.078 | 0.05399 | 0.05 | 0 |
| 137 | 29 | 1 | 0 | 30 | 28 | 1 | 0 | 29 | 201024.132 | 201024.136 | -0.00384 | 0.05 | 0 |
| 138 | 29 | 0 | 0 | 31 | 28 | 0 | 0 | 30 | 201024.132 | 201024.158 | -0.02596 | 0.05 | 0 |
| 139 | 29 | 3 | 0 | 28 | 28 | 3 | 0 | 27 | 201023.358 | 201023.404 | -0.04562 | 0.03 | 0 |
| 140 | 29 | 3 | 0 | 29 | 28 | 3 | 0 | 28 | 201023.358 | 201023.401 | -0.043 | 0.03 | 0 |
| 141 | 29 | 3 | 0 | 32 | 28 | 3 | 0 | 31 | 201022.984 | 201022.989 | -0.00521 | 0.03 | 0 |
| 142 | 29 | 3 | 0 | 31 | 28 | 3 | 0 | 30 | 201022.984 | 201023.002 | -0.01806 | 0.03 | 0 |
| 143 | 29 | 3 | 0 | 27 | 28 | 3 | 0 | 26 | 201022.984 | 201023.041 | -0.05662 | 0.03 | 0 |
| 144 | 29 | 4 | 0 | 30 | 28 | 4 | 0 | 29 | 201022.44 | 201022.391 | 0.04881 | 0.05 | 0 |
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| 150 | 29 | 5 | 0 | 30 | 28 | 5 | 0 | 29 | 201021.306 | 201021.344 | -0.0384 | 0.03 | 0 |
| 151 | 29 | 5 | 0 | 29 | 28 | 5 | 0 | 28 | 201021.306 | 201021.494 | -0.18834 | 0.03 | 0 |
| 152 | 29 | 5 | 0 | 31 | 28 | 5 | 0 | 30 | 201020.928 | 201020.947 | -0.01916 | 0.05 | 0 |
| 153 | 29 | 5 | 0 | 27 | 28 | 5 | 0 | 26 | 201020.466 | 201020.458 | 0.00078 | 0.03 | 0 |
| 154 | 29 | 5 | 0 | 32 | 28 | 5 | 0 | 31 | 201020.466 | 201020.466 | 0.00031 | 0.03 | 0 |
| 155 | 29 | 6 | 0 | 30 | 28 | 6 | 0 | 29 | 201020.118 | 201020.065 | 0.053 | 0.05 | 0 |
| 156 | 29 | 6 | 0 | 29 | 28 | 6 | 0 | 28 | 201020.118 | 201020.183 | -0.06549 | 0.05 | 0 |
| 157 | 29 | 10 | 0 | 29 | 28 | 10 | 0 | 28 | 201012.576 | 201012.557 | 0.01944 | 0.05 | 0 |
| 158 | 29 | 10 | 0 | 30 | 28 | 10 | 0 | 29 | 201012.576 | 201012.621 | -0.04535 | 0.05 | 0 |
| 159 | 29 | 11 | 0 | 28 | 28 | 11 | 0 | 27 | 201008.31 | 201008.297 | 0.01332 | 0.05 | 0 |
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| 161 | 29 | 12 | 0 | 31 | 28 | 12 | 0 | 30 | 201005.682 | 201005.665 | 0.01703 | 0.05 | 0 |
| 162 | 29 | 13 | 0 | 29 | 28 | 13 | 0 | 28 | 201004.35 | 201004.333 | 0.01661 | 0.05 | 0 |
| 163 | 29 | 12 | 0 | 32 | 28 | 12 | 0 | 31 | 201001.736 | 201001.696 | 0.04004 | 0.03 | 0 |
| 164 | 29 | 13 | 0 | 28 | 28 | 13 | 0 | 27 | 201001.736 | 201001.822 | -0.08599 | 0.03 | 0 |
| 165 | 29 | 14 | 0 | 29 | 28 | 14 | 0 | 28 | 201001.236 | 201001.116 | 0.12048 | 0.05 | 0 |
| 166 | 29 | 12 | 0 | 27 | 28 | 12 | 0 | 26 | 201001.236 | 201001.253 | -0.0167 | 0.05 | 0 |
| 167 | 29 | 14 | 0 | 31 | 28 | 14 | 0 | 30 | 200999.01 | 200998.988 | 0.02232 | 0.03 | 0 |
| 168 | 29 | 15 | 0 | 30 | 28 | 15 | 0 | 29 | 200998.151 | 200998.084 | 0.06744 | 0.03 | 0 |
| 169 | 29 | 14 | 0 | 28 | 28 | 14 | 0 | 27 | 200998.151 | 200998.18 | -0.02891 | 0.03 | 0 |
| 170 | 29 | 15 | 0 | 29 | 28 | 15 | 0 | 28 | 200997.69 | 200997.659 | 0.03078 | 0.05 | 0 |

| | | | | | | | | | | | | | |
|-----|----|----|---|----|----|----|---|----|------------|------------|----------|------|---|
| 171 | 29 | 13 | 0 | 32 | 28 | 13 | 0 | 31 | 200997.69 | 200997.753 | -0.06251 | 0.05 | 0 |
| 172 | 29 | 15 | 0 | 31 | 28 | 15 | 0 | 30 | 200995.304 | 200995.264 | 0.04003 | 0.03 | 0 |
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| 175 | 29 | 14 | 0 | 32 | 28 | 14 | 0 | 31 | 200993.496 | 200993.493 | 0.00251 | 0.05 | 0 |
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| 177 | 29 | 17 | 0 | 30 | 28 | 17 | 0 | 29 | 200990.699 | 200990.641 | 0.05848 | 0.03 | 0 |
| 178 | 29 | 18 | 0 | 30 | 28 | 18 | 0 | 29 | 200986.65 | 200986.57 | 0.0798 | 0.03 | 0 |
| 179 | 29 | 18 | 0 | 29 | 28 | 18 | 0 | 28 | 200985.936 | 200985.86 | 0.07639 | 0.05 | 0 |
| 180 | 29 | 20 | 0 | 30 | 28 | 20 | 0 | 29 | 200977.746 | 200977.732 | 0.01401 | 0.05 | 0 |
| 181 | 29 | 19 | 0 | 31 | 28 | 19 | 0 | 30 | 200977.746 | 200977.803 | -0.05668 | 0.05 | 0 |
| 182 | 29 | 17 | 0 | 27 | 28 | 17 | 0 | 26 | 200977.746 | 200977.854 | -0.10814 | 0.05 | 0 |
| 183 | 29 | 18 | 0 | 27 | 28 | 18 | 0 | 26 | 200972.202 | 200972.207 | -0.00471 | 0.05 | 0 |
| 184 | 29 | 21 | 0 | 29 | 28 | 21 | 0 | 28 | 200971.862 | 200971.914 | -0.05156 | 0.03 | 0 |
| 185 | 29 | 20 | 0 | 28 | 28 | 20 | 0 | 27 | 200970.6 | 200970.66 | -0.06022 | 0.05 | 0 |
| 186 | 29 | 19 | 0 | 27 | 28 | 19 | 0 | 26 | 200966.208 | 200966.237 | -0.0288 | 0.05 | 0 |
| 187 | 29 | 21 | 0 | 28 | 28 | 21 | 0 | 27 | 200965.089 | 200965.129 | -0.03993 | 0.03 | 0 |
| 188 | 29 | 22 | 0 | 28 | 28 | 22 | 0 | 27 | 200959.296 | 200959.328 | -0.0317 | 0.05 | 0 |
| 189 | 29 | 24 | 0 | 29 | 28 | 24 | 0 | 28 | 200955.768 | 200955.821 | -0.05254 | 0.05 | 0 |
| 190 | 29 | 21 | 0 | 32 | 28 | 21 | 0 | 31 | 200954.833 | 200954.842 | -0.00945 | 0.03 | 0 |
| 191 | 34 | 1 | 0 | 36 | 33 | 1 | 0 | 35 | 235655.418 | 235655.161 | 0.2573 | 0.03 | 0 |
| 192 | 34 | 1 | 0 | 35 | 33 | 1 | 0 | 34 | 235655.418 | 235655.206 | 0.21208 | 0.03 | 0 |
| 193 | 34 | 0 | 0 | 36 | 33 | 0 | 0 | 35 | 235655.418 | 235655.316 | 0.10231 | 0.03 | 0 |
| 194 | 34 | 0 | 0 | 35 | 33 | 0 | 0 | 34 | 235655.418 | 235655.353 | 0.06478 | 0.03 | 0 |
| 195 | 34 | 1 | 0 | 32 | 33 | 1 | 0 | 31 | 235655.418 | 235655.363 | 0.05515 | 0.03 | 0 |
| 196 | 34 | 1 | 0 | 34 | 33 | 1 | 0 | 33 | 235655.418 | 235655.352 | 0.06606 | 0.03 | 0 |
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| 203 | 34 | 2 | 0 | 36 | 33 | 2 | 0 | 35 | 235654.812 | 235654.696 | 0.11629 | 0.03 | 0 |
| 204 | 34 | 2 | 0 | 35 | 33 | 2 | 0 | 34 | 235654.812 | 235654.764 | 0.04798 | 0.03 | 0 |
| 205 | 34 | 2 | 0 | 32 | 33 | 2 | 0 | 31 | 235654.812 | 235654.838 | -0.02587 | 0.03 | 0 |
| 206 | 34 | 2 | 0 | 37 | 33 | 2 | 0 | 36 | 235654.812 | 235654.853 | -0.04133 | 0.03 | 0 |
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| 208 | 34 | 2 | 0 | 33 | 33 | 2 | 0 | 32 | 235654.812 | 235654.976 | -0.1636 | 0.03 | 0 |
| 209 | 34 | 3 | 0 | 36 | 33 | 3 | 0 | 35 | 235654.005 | 235653.921 | 0.08428 | 0.03 | 0 |
| 210 | 34 | 3 | 0 | 32 | 33 | 3 | 0 | 31 | 235654.005 | 235653.963 | 0.04211 | 0.03 | 0 |
| 211 | 34 | 3 | 0 | 37 | 33 | 3 | 0 | 36 | 235654.005 | 235653.988 | 0.01691 | 0.03 | 0 |
| 212 | 34 | 3 | 0 | 35 | 33 | 3 | 0 | 34 | 235654.005 | 235654.028 | -0.02252 | 0.03 | 0 |
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| 214 | 34 | 3 | 0 | 33 | 33 | 3 | 0 | 32 | 235654.005 | 235654.184 | -0.17859 | 0.03 | 0 |
| 215 | 34 | 4 | 0 | 35 | 33 | 4 | 0 | 34 | 235653.012 | 235652.996 | 0.01558 | 0.05 | 0 |
| 216 | 34 | 4 | 0 | 33 | 33 | 4 | 0 | 32 | 235653.012 | 235653.075 | -0.06278 | 0.05 | 0 |
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| 219 | 34 | 4 | 0 | 37 | 33 | 4 | 0 | 36 | 235652.796 | 235652.777 | 0.01925 | 0.05 | 0 |
| 220 | 34 | 4 | 0 | 36 | 33 | 4 | 0 | 35 | 235652.796 | 235652.836 | -0.03975 | 0.05 | 0 |
| 221 | 34 | 5 | 0 | 33 | 33 | 5 | 0 | 32 | 235651.689 | 235651.649 | 0.03983 | 0.03 | 0 |
| 222 | 34 | 5 | 0 | 35 | 33 | 5 | 0 | 34 | 235651.689 | 235651.671 | 0.01827 | 0.03 | 0 |
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| 224 | 34 | 5 | 0 | 32 | 33 | 5 | 0 | 31 | 235651.192 | 235651.163 | 0.02901 | 0.03 | 0 |
| 225 | 34 | 5 | 0 | 37 | 33 | 5 | 0 | 36 | 235651.192 | 235651.219 | -0.02732 | 0.03 | 0 |
| 226 | 34 | 9 | 0 | 36 | 33 | 9 | 0 | 35 | 235642.768 | 235642.761 | 0.00069 | 0.03 | 0 |
| 227 | 34 | 9 | 0 | 33 | 33 | 9 | 0 | 32 | 235642.768 | 235642.779 | -0.01061 | 0.03 | 0 |
| 228 | 34 | 10 | 0 | 34 | 33 | 10 | 0 | 33 | 235640.653 | 235640.62 | 0.03313 | 0.03 | 0 |
| 229 | 34 | 10 | 0 | 35 | 33 | 10 | 0 | 34 | 235640.653 | 235640.623 | 0.02965 | 0.03 | 0 |
| 230 | 34 | 11 | 0 | 33 | 33 | 11 | 0 | 32 | 235636.47 | 235636.442 | 0.02756 | 0.05 | 0 |
| 231 | 34 | 11 | 0 | 36 | 33 | 11 | 0 | 35 | 235636.47 | 235636.561 | -0.09143 | 0.05 | 0 |
| 232 | 34 | 12 | 0 | 33 | 33 | 12 | 0 | 32 | 235632.96 | 235632.799 | 0.16088 | 0.05 | 0 |
| 233 | 34 | 12 | 0 | 36 | 33 | 12 | 0 | 35 | 235632.96 | 235632.997 | -0.03666 | 0.05 | 0 |
| 234 | 34 | 12 | 0 | 32 | 33 | 12 | 0 | 31 | 235630.386 | 235630.339 | 0.04681 | 0.05 | 0 |
| 235 | 34 | 13 | 0 | 34 | 33 | 13 | 0 | 33 | 235630.386 | 235630.352 | 0.03413 | 0.05 | 0 |
| 236 | 34 | 13 | 0 | 35 | 33 | 13 | 0 | 34 | 235630.386 | 235630.46 | -0.07387 | 0.05 | 0 |
| 237 | 34 | 12 | 0 | 37 | 33 | 12 | 0 | 36 | 235630.386 | 235630.626 | -0.24017 | 0.05 | 0 |
| 238 | 34 | 13 | 0 | 37 | 33 | 13 | 0 | 36 | 235626.366 | 235626.3 | 0.06621 | 0.03 | 0 |
| 239 | 34 | 14 | 0 | 34 | 33 | 14 | 0 | 33 | 235626.366 | 235626.334 | 0.03208 | 0.03 | 0 |
| 240 | 34 | 14 | 0 | 35 | 33 | 14 | 0 | 34 | 235626.366 | 235626.483 | -0.11688 | 0.03 | 0 |
| 241 | 34 | 13 | 0 | 32 | 33 | 13 | 0 | 31 | 235625.937 | 235625.965 | -0.02755 | 0.03 | 0 |
| 242 | 34 | 15 | 0 | 34 | 33 | 15 | 0 | 33 | 235622.132 | 235622.018 | 0.11368 | 0.03 | 0 |
| 243 | 34 | 15 | 0 | 35 | 33 | 15 | 0 | 34 | 235622.132 | 235622.211 | -0.07931 | 0.03 | 0 |
| 244 | 34 | 14 | 0 | 37 | 33 | 14 | 0 | 36 | 235621.632 | 235621.627 | 0.00474 | 0.03 | 0 |
| 245 | 34 | 14 | 0 | 32 | 33 | 14 | 0 | 31 | 235621.242 | 235621.24 | 0.00201 | 0.05 | 0 |
| 246 | 34 | 15 | 0 | 33 | 33 | 15 | 0 | 32 | 235619.93 | 235619.968 | -0.03817 | 0.03 | 0 |
| 247 | 34 | 16 | 0 | 34 | 33 | 16 | 0 | 33 | 235617.462 | 235617.405 | 0.05694 | 0.05 | 0 |
| 248 | 34 | 15 | 0 | 37 | 33 | 15 | 0 | 36 | 235616.634 | 235616.609 | 0.02542 | 0.05 | 0 |
| 249 | 34 | 16 | 0 | 33 | 33 | 16 | 0 | 32 | 235615.076 | 235615.058 | 0.01849 | 0.03 | 0 |
| 250 | 34 | 17 | 0 | 35 | 33 | 17 | 0 | 34 | 235612.794 | 235612.784 | 0.00953 | 0.03 | 0 |
| 251 | 34 | 17 | 0 | 34 | 33 | 17 | 0 | 33 | 235612.494 | 235612.494 | -0.00014 | 0.05 | 0 |
| 252 | 34 | 18 | 0 | 35 | 33 | 18 | 0 | 34 | 235607.626 | 235607.629 | -0.00321 | 0.03 | 0 |
| 253 | 34 | 18 | 0 | 34 | 33 | 18 | 0 | 33 | 235607.282 | 235607.286 | -0.00355 | 0.03 | 0 |
| 254 | 34 | 19 | 0 | 35 | 33 | 19 | 0 | 34 | 235602.253 | 235602.179 | 0.07362 | 0.03 | 0 |
| 255 | 34 | 20 | 0 | 33 | 33 | 20 | 0 | 32 | 235592.292 | 235592.246 | 0.04569 | 0.03 | 0 |
| 256 | 34 | 19 | 0 | 32 | 33 | 19 | 0 | 31 | 235592.292 | 235592.369 | -0.07661 | 0.03 | 0 |
| 257 | 34 | 20 | 0 | 32 | 33 | 20 | 0 | 31 | 235585.711 | 235585.545 | 0.1663 | 0.03 | 0 |
| 258 | 34 | 21 | 0 | 33 | 33 | 21 | 0 | 32 | 235585.711 | 235585.751 | -0.04034 | 0.03 | 0 |
| 259 | 34 | 21 | 0 | 37 | 33 | 21 | 0 | 36 | 235579.212 | 235579.227 | -0.0147 | 0.05 | 0 |
| 260 | 34 | 22 | 0 | 33 | 33 | 22 | 0 | 32 | 235578.978 | 235578.939 | 0.03851 | 0.05 | 0 |
| 261 | 34 | 21 | 0 | 32 | 33 | 21 | 0 | 31 | 235578.373 | 235578.371 | 0.00204 | 0.03 | 0 |
| 262 | 34 | 22 | 0 | 37 | 33 | 22 | 0 | 36 | 235571.81 | 235571.785 | 0.02534 | 0.03 | 0 |
| 263 | 34 | 23 | 0 | 33 | 33 | 23 | 0 | 32 | 235571.81 | 235571.811 | -0.00074 | 0.03 | 0 |
| 264 | 34 | 24 | 0 | 34 | 33 | 24 | 0 | 33 | 235569.768 | 235569.783 | -0.01457 | 0.03 | 0 |
| 265 | 34 | 23 | 0 | 32 | 33 | 23 | 0 | 31 | 235562.976 | 235562.974 | 0.00201 | 0.05 | 0 |
| 266 | 34 | 26 | 0 | 35 | 33 | 26 | 0 | 34 | 235555.826 | 235555.783 | 0.04265 | 0.03 | 0 |
| 267 | 34 | 24 | 0 | 37 | 33 | 24 | 0 | 36 | 235555.826 | 235555.862 | -0.03583 | 0.03 | 0 |
| 268 | 34 | 24 | 0 | 32 | 33 | 24 | 0 | 31 | 235554.786 | 235554.751 | 0.03519 | 0.05 | 0 |
| 269 | 34 | 26 | 0 | 34 | 33 | 26 | 0 | 33 | 235554.786 | 235554.9 | -0.11388 | 0.05 | 0 |
| 270 | 34 | 27 | 0 | 35 | 33 | 27 | 0 | 34 | 235547.926 | 235547.977 | -0.05124 | 0.03 | 0 |
| 271 | 34 | 25 | 0 | 37 | 33 | 25 | | | | | | | |

| | | | | | | | | | | | | | |
|-----|----|----|---|----|----|----|---|----|------------|------------|----------|------|---|
| 272 | 34 | 27 | 0 | 34 | 33 | 27 | 0 | 33 | 235546.958 | 235547.012 | -0.05393 | 0.03 | 0 |
| 273 | 34 | 25 | 0 | 32 | 33 | 25 | 0 | 31 | 235546.19 | 235546.178 | 0.01216 | 0.03 | 0 |
| 274 | 34 | 27 | 0 | 33 | 33 | 27 | 0 | 32 | 235540.08 | 235540.127 | -0.0467 | 0.05 | 0 |
| 275 | 34 | 28 | 0 | 35 | 33 | 28 | 0 | 34 | 235539.846 | 235539.877 | -0.03062 | 0.05 | 0 |
| 276 | 34 | 28 | 0 | 33 | 33 | 28 | 0 | 32 | 235531.457 | 235531.413 | 0.04362 | 0.03 | 0 |
| 277 | 34 | 29 | 0 | 35 | 33 | 29 | 0 | 34 | 235531.457 | 235531.481 | -0.02449 | 0.03 | 0 |
| 278 | 34 | 27 | 0 | 37 | 33 | 27 | 0 | 36 | 235529.37 | 235529.381 | -0.01051 | 0.03 | 0 |
| 279 | 34 | 29 | 0 | 33 | 33 | 29 | 0 | 32 | 235522.314 | 235522.383 | -0.06911 | 0.05 | 0 |
| 280 | 34 | 28 | 0 | 32 | 33 | 28 | 0 | 31 | 235518.297 | 235518.36 | -0.06345 | 0.03 | 0 |
| 281 | 34 | 30 | 0 | 36 | 33 | 30 | 0 | 35 | 235515.78 | 235515.84 | -0.05983 | 0.05 | 0 |
| 282 | 34 | 29 | 0 | 32 | 33 | 29 | 0 | 31 | 235508.328 | 235508.389 | -0.06055 | 0.05 | 0 |
| 283 | 34 | 30 | 0 | 37 | 33 | 30 | 0 | 36 | 235499.755 | 235499.782 | -0.02733 | 0.03 | 0 |
| 284 | 34 | 30 | 0 | 32 | 33 | 30 | 0 | 31 | 235498.059 | 235498.067 | -0.00796 | 0.03 | 0 |
| 285 | 34 | 32 | 0 | 36 | 33 | 32 | 0 | 35 | 235496.658 | 235496.627 | 0.03146 | 0.03 | 0 |
| 286 | 39 | 1 | 0 | 41 | 38 | 1 | 0 | 40 | 270272.992 | 270272.812 | 0.17971 | 0.03 | 0 |
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| 288 | 39 | 1 | 0 | 40 | 38 | 1 | 0 | 39 | 270272.992 | 270272.817 | 0.17512 | 0.03 | 0 |
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| 292 | 39 | 1 | 0 | 38 | 38 | 1 | 0 | 37 | 270272.992 | 270272.998 | -0.00564 | 0.03 | 0 |
| 293 | 39 | 0 | 0 | 40 | 38 | 0 | 0 | 39 | 270272.992 | 270272.992 | 0.00034 | 0.03 | 0 |
| 294 | 39 | 0 | 0 | 37 | 38 | 0 | 0 | 36 | 270272.992 | 270273.146 | -0.15423 | 0.03 | 0 |
| 295 | 39 | 0 | 0 | 42 | 38 | 0 | 0 | 41 | 270272.992 | 270273.213 | -0.22091 | 0.03 | 0 |
| 296 | 39 | 0 | 0 | 39 | 38 | 0 | 0 | 38 | 270272.992 | 270273.092 | -0.09999 | 0.03 | 0 |
| 297 | 39 | 0 | 0 | 38 | 38 | 0 | 0 | 37 | 270272.992 | 270273.18 | -0.18756 | 0.03 | 0 |
| 298 | 39 | 2 | 0 | 41 | 38 | 2 | 0 | 40 | 270272.337 | 270272.272 | 0.06459 | 0.03 | 0 |
| 299 | 39 | 2 | 0 | 37 | 38 | 2 | 0 | 36 | 270272.337 | 270272.374 | -0.03729 | 0.03 | 0 |
| 300 | 39 | 2 | 0 | 40 | 38 | 2 | 0 | 39 | 270272.337 | 270272.293 | 0.04445 | 0.03 | 0 |
| 301 | 39 | 2 | 0 | 42 | 38 | 2 | 0 | 41 | 270272.337 | 270272.445 | -0.10846 | 0.03 | 0 |
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| 303 | 39 | 2 | 0 | 38 | 38 | 2 | 0 | 37 | 270272.337 | 270272.452 | -0.11486 | 0.03 | 0 |
| 304 | 39 | 3 | 0 | 37 | 38 | 3 | 0 | 36 | 270271.422 | 270271.409 | 0.01263 | 0.03 | 0 |
| 305 | 39 | 3 | 0 | 41 | 38 | 3 | 0 | 40 | 270271.422 | 270271.373 | 0.0494 | 0.03 | 0 |
| 306 | 39 | 3 | 0 | 42 | 38 | 3 | 0 | 41 | 270271.422 | 270271.486 | -0.06415 | 0.03 | 0 |
| 307 | 39 | 3 | 0 | 40 | 38 | 3 | 0 | 39 | 270271.422 | 270271.419 | 0.00333 | 0.03 | 0 |
| 308 | 39 | 3 | 0 | 38 | 38 | 3 | 0 | 37 | 270271.422 | 270271.542 | -0.12024 | 0.03 | 0 |
| 309 | 39 | 3 | 0 | 39 | 38 | 3 | 0 | 38 | 270271.422 | 270271.511 | -0.08918 | 0.03 | 0 |
| 310 | 39 | 4 | 0 | 37 | 38 | 4 | 0 | 36 | 270270.171 | 270270.058 | 0.11252 | 0.03 | 0 |
| 311 | 39 | 4 | 0 | 42 | 38 | 4 | 0 | 41 | 270270.171 | 270270.143 | 0.02788 | 0.03 | 0 |
| 312 | 39 | 4 | 0 | 41 | 38 | 4 | 0 | 40 | 270270.171 | 270270.113 | 0.05813 | 0.03 | 0 |
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| 315 | 39 | 4 | 0 | 39 | 38 | 4 | 0 | 38 | 270270.171 | 270270.282 | -0.11066 | 0.03 | 0 |
| 316 | 39 | 5 | 0 | 37 | 38 | 5 | 0 | 36 | 270268.56 | 270268.322 | 0.23838 | 0.05 | 0 |
| 317 | 39 | 5 | 0 | 42 | 38 | 5 | 0 | 41 | 270268.56 | 270268.416 | 0.14364 | 0.05 | 0 |
| 318 | 39 | 5 | 0 | 41 | 38 | 5 | 0 | 40 | 270268.56 | 270268.493 | 0.06679 | 0.05 | 0 |
| 319 | 39 | 5 | 0 | 40 | 38 | 5 | 0 | 39 | 270268.56 | 270268.622 | -0.06225 | 0.05 | 0 |
| 320 | 39 | 5 | 0 | 38 | 38 | 5 | 0 | 37 | 270268.56 | 270268.631 | -0.07144 | 0.05 | 0 |
| 321 | 39 | 5 | 0 | 39 | 38 | 5 | 0 | 38 | 270268.56 | 270268.701 | -0.14085 | 0.05 | 0 |
| 322 | 39 | 8 | 0 | 37 | 38 | 8 | 0 | 36 | 270260.874 | 270260.795 | 0.07875 | 0.05 | 0 |
| 323 | 39 | 8 | 0 | 42 | 38 | 8 | 0 | 41 | 270260.874 | 270260.934 | -0.05971 | 0.05 | 0 |
| 324 | 39 | 9 | 0 | 40 | 38 | 9 | 0 | 39 | 270258.852 | 270258.835 | 0.01719 | 0.03 | 0 |
| 325 | 39 | 9 | 0 | 39 | 38 | 9 | 0 | 38 | 270258.852 | 270258.865 | -0.01266 | 0.03 | 0 |
| 326 | 39 | 9 | 0 | 41 | 38 | 9 | 0 | 40 | 270258.422 | 270258.415 | 0.00659 | 0.03 | 0 |
| 327 | 39 | 9 | 0 | 38 | 38 | 9 | 0 | 37 | 270258.422 | 270258.444 | -0.02163 | 0.03 | 0 |
| 328 | 39 | 10 | 0 | 37 | 38 | 10 | 0 | 36 | 270253.877 | 270253.848 | 0.02913 | 0.03 | 0 |
| 329 | 39 | 10 | 0 | 42 | 38 | 10 | 0 | 41 | 270253.877 | 270254.027 | -0.14963 | 0.03 | 0 |
| 330 | 39 | 10 | 0 | 40 | 38 | 10 | 0 | 39 | 270255.528 | 270255.514 | 0.01392 | 0.05 | 0 |
| 331 | 39 | 10 | 0 | 39 | 38 | 10 | 0 | 38 | 270255.528 | 270255.527 | 0.00063 | 0.05 | 0 |
| 332 | 39 | 11 | 0 | 37 | 38 | 11 | 0 | 36 | 270249.84 | 270249.795 | 0.04475 | 0.05 | 0 |
| 333 | 39 | 11 | 0 | 42 | 38 | 11 | 0 | 41 | 270249.84 | 270249.997 | -0.15748 | 0.05 | 0 |
| 334 | 39 | 12 | 0 | 39 | 38 | 12 | 0 | 38 | 270247.785 | 270247.799 | -0.0139 | 0.03 | 0 |
| 335 | 39 | 12 | 0 | 40 | 38 | 12 | 0 | 39 | 270247.785 | 270247.824 | -0.03897 | 0.03 | 0 |
| 336 | 39 | 12 | 0 | 38 | 38 | 12 | 0 | 37 | 270247.008 | 270246.982 | 0.02572 | 0.03 | 0 |
| 337 | 39 | 12 | 0 | 41 | 38 | 12 | 0 | 40 | 270247.008 | 270247.078 | -0.06998 | 0.03 | 0 |
| 338 | 39 | 13 | 0 | 38 | 38 | 13 | 0 | 37 | 270242.482 | 270242.434 | 0.04789 | 0.03 | 0 |
| 339 | 39 | 13 | 0 | 41 | 38 | 13 | 0 | 40 | 270242.482 | 270242.579 | -0.09702 | 0.03 | 0 |
| 340 | 39 | 14 | 0 | 38 | 38 | 14 | 0 | 37 | 270237.636 | 270237.522 | 0.11392 | 0.05 | 0 |
| 341 | 39 | 14 | 0 | 41 | 38 | 14 | 0 | 40 | 270237.636 | 270237.72 | -0.08416 | 0.05 | 0 |
| 342 | 39 | 15 | 0 | 39 | 38 | 15 | 0 | 38 | 270233.608 | 270233.571 | 0.03658 | 0.03 | 0 |
| 343 | 39 | 15 | 0 | 40 | 38 | 15 | 0 | 39 | 270233.608 | 270233.667 | -0.05923 | 0.03 | 0 |
| 344 | 39 | 15 | 0 | 41 | 38 | 15 | 0 | 40 | 270232.506 | 270232.501 | 0.00046 | 0.05 | 0 |
| 345 | 39 | 15 | 0 | 42 | 38 | 15 | 0 | 41 | 270230.033 | 270230.043 | -0.01046 | 0.03 | 0 |
| 346 | 39 | 16 | 0 | 42 | 38 | 16 | 0 | 41 | 270224.172 | 270224.096 | 0.07642 | 0.05 | 0 |
| 347 | 39 | 17 | 0 | 39 | 38 | 17 | 0 | 38 | 270222.418 | 270222.33 | 0.08812 | 0.03 | 0 |
| 348 | 39 | 17 | 0 | 40 | 38 | 17 | 0 | 39 | 270222.418 | 270222.482 | -0.0637 | 0.03 | 0 |
| 349 | 39 | 18 | 0 | 39 | 38 | 18 | 0 | 38 | 270216.291 | 270216.182 | 0.10885 | 0.03 | 0 |
| 350 | 39 | 18 | 0 | 40 | 38 | 18 | 0 | 39 | 270216.291 | 270216.365 | -0.07363 | 0.03 | 0 |
| 351 | 39 | 18 | 0 | 37 | 38 | 18 | 0 | 36 | 270210.618 | 270210.62 | -0.00249 | 0.05 | 0 |
| 352 | 39 | 20 | 0 | 40 | 38 | 20 | 0 | 39 | 270203.076 | 270203.082 | -0.00589 | 0.05 | 0 |
| 353 | 39 | 21 | 0 | 39 | 38 | 21 | 0 | 38 | 270195.606 | 270195.631 | -0.02502 | 0.05 | 0 |
| 354 | 39 | 21 | 0 | 38 | 38 | 21 | 0 | 37 | 270192.978 | 270192.949 | 0.02853 | 0.05 | 0 |
| 355 | 39 | 21 | 0 | 42 | 38 | 21 | 0 | 41 | 270188.892 | 270188.6 | 0.29228 | 0.05 | 0 |
| 356 | 39 | 22 | 0 | 38 | 38 | 22 | 0 | 37 | 270185.166 | 270185.126 | 0.03957 | 0.05 | 0 |
| 357 | 39 | 22 | 0 | 37 | 38 | 22 | 0 | 36 | 270179.82 | 270179.745 | 0.07541 | 0.05 | 0 |
| 358 | 39 | 23 | 0 | 41 | 38 | 23 | 0 | 40 | 270177.84 | 270177.796 | 0.04442 | 0.05 | 0 |
| 359 | 39 | 24 | 0 | 40 | 38 | 24 | 0 | 39 | 270172.368 | 270172.322 | 0.04594 | 0.05 | 0 |
| 360 | 39 | 23 | 0 | 42 | 38 | 23 | 0 | 41 | 270171.9 | 270171.715 | 0.18506 | 0.05 | 0 |
| 361 | 39 | 24 | 0 | 39 | 38 | 24 | 0 | 38 | 270171.9 | 270171.918 | -0.01796 | 0.05 | 0 |
| 362 | 39 | 24 | 0 | 41 | 38 | 24 | 0 | 40 | 270169.362 | 270169.338 | 0.02404 | 0.05 | 0 |
| 363 | 39 | 24 | 0 | 38 | 38 | 24 | 0 | 37 | 270168.426 | 270168.389 | 0.03731 | 0.05 | 0 |
| 364 | 39 | 25 | 0 | 40 | 38 | 25 | 0 | 39 | 270163.8 | 270163.758 | 0.0417 | 0.05 | 0 |
| 365 | 39 | 25 | 0 | 39 | 38 | 25 | 0 | 38 | 270163.35 | 270163.311 | 0.03906 | 0.05 | 0 |
| 366 | 39 | 25 | 0 | 41 | 38 | 25 | 0 | 40 | 270160.524 | 270160.52 | 0.00351 | 0.05 | 0 |
| 367 | 39 | 25 | 0 | 38 | 38 | 25 | 0 | 37 | 270159.534 | 270159.474 | 0.06002 | 0.05 | 0 |
| 368 | 39 | 26 | 0 | 40 | 38 | 26 | 0 | 39 | 270154.854 | 270154.845 | 0.00898 | 0.05 | 0 |
| 369 | 39 | 26 | 0 | 39 | 38 | 26 | 0 | 38 | 270154.404 | 270154.353 | 0.05143 | 0.05 | 0 |
| 370 | 39 | 25 | 0 | 42 | 38 | 25 | 0 | 41 | 270153.324 | 270153.295 | 0.02903 | 0.05 | 0 |
| 371 | 39 | 26 | 0 | 41 | 38 | 26 | 0 | 40 | 270151.398 | 270151.343 | 0.05481 | 0.05 | 0 |
| 372 | 39 | 26 | 0 | 38 | 38 | 26 | 0 | 37 | | | | | |

| | | | | | | | | | | | | | |
|-----|----|----|---|----|----|----|---|----|------------|------------|----------|------|---|
| 373 | 39 | 27 | 0 | 40 | 38 | 27 | 0 | 39 | 270145.602 | 270145.582 | 0.01977 | 0.05 | 0 |
| 374 | 39 | 27 | 0 | 39 | 38 | 27 | 0 | 38 | 270145.062 | 270145.043 | 0.01914 | 0.05 | 0 |
| 375 | 39 | 26 | 0 | 37 | 38 | 26 | 0 | 36 | 270142.74 | 270142.694 | 0.04559 | 0.05 | 0 |
| 376 | 39 | 27 | 0 | 41 | 38 | 27 | 0 | 40 | 270141.858 | 270141.806 | 0.05195 | 0.05 | 0 |
| 377 | 39 | 28 | 0 | 40 | 38 | 28 | 0 | 39 | 270135.972 | 270135.97 | 0.00208 | 0.05 | 0 |
| 378 | 39 | 27 | 0 | 42 | 38 | 27 | 0 | 41 | 270133.38 | 270133.34 | 0.04022 | 0.05 | 0 |
| 379 | 39 | 27 | 0 | 37 | 38 | 27 | 0 | 36 | 270132.516 | 270132.467 | 0.04882 | 0.05 | 0 |
| 380 | 39 | 28 | 0 | 41 | 38 | 28 | 0 | 40 | 270132.048 | 270131.909 | 0.13891 | 0.05 | 0 |
| 381 | 39 | 28 | 0 | 38 | 38 | 28 | 0 | 37 | 270130.554 | 270130.546 | 0.00759 | 0.05 | 0 |
| 382 | 39 | 28 | 0 | 42 | 38 | 28 | 0 | 41 | 270122.814 | 270122.786 | 0.02755 | 0.05 | 0 |
| 383 | 39 | 29 | 0 | 41 | 38 | 29 | 0 | 40 | 270121.698 | 270121.652 | 0.04569 | 0.05 | 0 |
| 384 | 39 | 28 | 0 | 37 | 38 | 28 | 0 | 36 | 270121.698 | 270121.854 | -0.1561 | 0.05 | 0 |
| 385 | 39 | 29 | 0 | 38 | 38 | 29 | 0 | 37 | 270120.222 | 270120.176 | 0.04594 | 0.05 | 0 |
| 386 | 39 | 29 | 0 | 42 | 38 | 29 | 0 | 41 | 270111.888 | 270111.849 | 0.03871 | 0.05 | 0 |
| 387 | 39 | 29 | 0 | 37 | 38 | 29 | 0 | 36 | 270111.06 | 270110.855 | 0.20482 | 0.05 | 0 |
| 388 | 39 | 30 | 0 | 41 | 38 | 30 | 0 | 40 | 270111.06 | 270111.036 | 0.02428 | 0.05 | 0 |
| 389 | 39 | 30 | 0 | 38 | 38 | 30 | 0 | 37 | 270109.458 | 270109.442 | 0.0162 | 0.05 | 0 |
| 390 | 39 | 30 | 0 | 42 | 38 | 30 | 0 | 41 | 270100.548 | 270100.528 | 0.0197 | 0.05 | 0 |
| 391 | 39 | 31 | 0 | 41 | 38 | 31 | 0 | 40 | 270100.044 | 270100.059 | -0.01534 | 0.05 | 0 |
| 392 | 39 | 30 | 0 | 37 | 38 | 30 | 0 | 36 | 270099.468 | 270099.47 | -0.00242 | 0.05 | 0 |
| 393 | 39 | 31 | 0 | 38 | 38 | 31 | 0 | 37 | 270098.388 | 270098.344 | 0.04439 | 0.05 | 0 |
| 394 | 39 | 32 | 0 | 41 | 38 | 32 | 0 | 40 | 270088.794 | 270088.723 | 0.07085 | 0.05 | 0 |
| 395 | 39 | 31 | 0 | 42 | 38 | 31 | 0 | 41 | 270088.794 | 270088.823 | -0.02946 | 0.05 | 0 |
| 396 | 39 | 31 | 0 | 37 | 38 | 31 | 0 | 36 | 270087.696 | 270087.7 | -0.00383 | 0.05 | 0 |
| 397 | 39 | 34 | 0 | 39 | 38 | 34 | 0 | 38 | 270070.11 | 270070.037 | 0.07317 | 0.05 | 0 |
| 398 | 39 | 34 | 0 | 41 | 38 | 34 | 0 | 40 | 270064.926 | 270064.971 | -0.04545 | 0.05 | 0 |
| 399 | 39 | 36 | 0 | 40 | 38 | 36 | 0 | 39 | 270046.44 | 270046.489 | -0.04945 | 0.05 | 0 |
| 400 | 43 | 1 | 0 | 44 | 42 | 1 | 0 | 43 | 297956.042 | 297955.894 | 0.14752 | 0.03 | 0 |
| 401 | 43 | 1 | 0 | 45 | 42 | 1 | 0 | 44 | 297956.042 | 297955.914 | 0.1281 | 0.03 | 0 |
| 402 | 43 | 1 | 0 | 43 | 42 | 1 | 0 | 42 | 297956.042 | 297955.968 | 0.07427 | 0.03 | 0 |
| 403 | 43 | 1 | 0 | 41 | 42 | 1 | 0 | 40 | 297956.042 | 297956.023 | 0.01912 | 0.03 | 0 |
| 404 | 43 | 1 | 0 | 42 | 42 | 1 | 0 | 41 | 297956.042 | 297956.04 | 0.00172 | 0.03 | 0 |
| 405 | 43 | 0 | 0 | 44 | 42 | 0 | 0 | 43 | 297956.042 | 297956.09 | -0.04793 | 0.03 | 0 |
| 406 | 43 | 1 | 0 | 46 | 42 | 1 | 0 | 45 | 297956.042 | 297956.123 | -0.08142 | 0.03 | 0 |
| 407 | 43 | 0 | 0 | 45 | 42 | 0 | 0 | 44 | 297956.042 | 297956.113 | -0.07125 | 0.03 | 0 |
| 408 | 43 | 0 | 0 | 43 | 42 | 0 | 0 | 42 | 297956.042 | 297956.164 | -0.12176 | 0.03 | 0 |
| 409 | 43 | 0 | 0 | 41 | 42 | 0 | 0 | 40 | 297956.042 | 297956.232 | -0.18984 | 0.03 | 0 |
| 410 | 43 | 0 | 0 | 42 | 42 | 0 | 0 | 41 | 297956.042 | 297956.241 | -0.19896 | 0.03 | 0 |
| 411 | 43 | 2 | 0 | 44 | 42 | 2 | 0 | 43 | 297955.334 | 297955.308 | 0.02584 | 0.03 | 0 |
| 412 | 43 | 2 | 0 | 45 | 42 | 2 | 0 | 44 | 297955.334 | 297955.316 | 0.01815 | 0.03 | 0 |
| 413 | 43 | 2 | 0 | 41 | 42 | 2 | 0 | 40 | 297955.334 | 297955.396 | -0.062 | 0.03 | 0 |
| 414 | 43 | 2 | 0 | 43 | 42 | 2 | 0 | 42 | 297955.334 | 297955.38 | -0.04565 | 0.03 | 0 |
| 415 | 43 | 2 | 0 | 42 | 42 | 2 | 0 | 41 | 297955.334 | 297955.438 | -0.10426 | 0.03 | 0 |
| 416 | 43 | 2 | 0 | 46 | 42 | 2 | 0 | 45 | 297955.334 | 297955.499 | -0.16483 | 0.03 | 0 |
| 417 | 43 | 3 | 0 | 45 | 42 | 3 | 0 | 44 | 297954.329 | 297954.319 | 0.00989 | 0.03 | 0 |
| 418 | 43 | 3 | 0 | 44 | 42 | 3 | 0 | 43 | 297954.329 | 297954.331 | -0.00196 | 0.03 | 0 |
| 419 | 43 | 3 | 0 | 41 | 42 | 3 | 0 | 40 | 297954.329 | 297954.351 | -0.02221 | 0.03 | 0 |
| 420 | 43 | 3 | 0 | 43 | 42 | 3 | 0 | 42 | 297954.329 | 297954.4 | -0.07051 | 0.03 | 0 |
| 421 | 43 | 3 | 0 | 42 | 42 | 3 | 0 | 41 | 297954.329 | 297954.435 | -0.10588 | 0.03 | 0 |
| 422 | 43 | 3 | 0 | 46 | 42 | 3 | 0 | 45 | 297954.329 | 297954.458 | -0.12883 | 0.03 | 0 |
| 423 | 43 | 4 | 0 | 41 | 42 | 4 | 0 | 40 | 297952.936 | 297952.889 | 0.0475 | 0.03 | 0 |
| 424 | 43 | 4 | 0 | 45 | 42 | 4 | 0 | 44 | 297952.936 | 297952.924 | 0.01234 | 0.03 | 0 |
| 425 | 43 | 4 | 0 | 44 | 42 | 4 | 0 | 43 | 297952.936 | 297952.963 | -0.02688 | 0.03 | 0 |
| 426 | 43 | 4 | 0 | 46 | 42 | 4 | 0 | 45 | 297952.936 | 297953 | -0.06443 | 0.03 | 0 |
| 427 | 43 | 4 | 0 | 42 | 42 | 4 | 0 | 41 | 297952.936 | 297953.03 | -0.09415 | 0.03 | 0 |
| 428 | 43 | 4 | 0 | 43 | 42 | 4 | 0 | 42 | 297952.936 | 297953.027 | -0.09131 | 0.03 | 0 |
| 429 | 43 | 5 | 0 | 41 | 42 | 5 | 0 | 40 | 297951.156 | 297951.008 | 0.14812 | 0.05 | 0 |
| 430 | 43 | 5 | 0 | 46 | 42 | 5 | 0 | 45 | 297951.156 | 297951.127 | 0.02937 | 0.05 | 0 |
| 431 | 43 | 5 | 0 | 45 | 42 | 5 | 0 | 44 | 297951.156 | 297951.13 | 0.02648 | 0.05 | 0 |
| 432 | 43 | 5 | 0 | 44 | 42 | 5 | 0 | 43 | 297951.156 | 297951.204 | -0.04791 | 0.05 | 0 |
| 433 | 43 | 5 | 0 | 42 | 42 | 5 | 0 | 41 | 297951.156 | 297951.224 | -0.06806 | 0.05 | 0 |
| 434 | 43 | 5 | 0 | 43 | 42 | 5 | 0 | 42 | 297951.156 | 297951.263 | -0.10706 | 0.05 | 0 |
| 435 | 43 | 7 | 0 | 45 | 42 | 7 | 0 | 44 | 297946.416 | 297946.345 | 0.07082 | 0.03 | 0 |
| 436 | 43 | 7 | 0 | 42 | 42 | 7 | 0 | 41 | 297946.416 | 297946.408 | 0.00816 | 0.03 | 0 |
| 437 | 43 | 7 | 0 | 44 | 42 | 7 | 0 | 43 | 297946.416 | 297946.513 | -0.09734 | 0.03 | 0 |
| 438 | 43 | 7 | 0 | 43 | 42 | 7 | 0 | 42 | 297946.416 | 297946.558 | -0.14238 | 0.03 | 0 |
| 439 | 43 | 8 | 0 | 45 | 42 | 8 | 0 | 44 | 297943.416 | 297943.355 | 0.0611 | 0.05 | 0 |
| 440 | 43 | 8 | 0 | 42 | 42 | 8 | 0 | 41 | 297943.416 | 297943.398 | 0.01831 | 0.05 | 0 |
| 441 | 43 | 8 | 0 | 44 | 42 | 8 | 0 | 43 | 297943.416 | 297943.582 | -0.16573 | 0.05 | 0 |
| 442 | 43 | 8 | 0 | 43 | 42 | 8 | 0 | 42 | 297943.416 | 297943.618 | -0.20196 | 0.05 | 0 |
| 443 | 43 | 8 | 0 | 41 | 42 | 8 | 0 | 40 | 297942.912 | 297942.859 | 0.05348 | 0.05 | 0 |
| 444 | 43 | 8 | 0 | 46 | 42 | 8 | 0 | 45 | 297942.912 | 297943.007 | -0.09484 | 0.05 | 0 |
| 445 | 43 | 9 | 0 | 44 | 42 | 9 | 0 | 43 | 297940.248 | 297940.259 | -0.01125 | 0.05 | 0 |
| 446 | 43 | 9 | 0 | 43 | 42 | 9 | 0 | 42 | 297940.248 | 297940.285 | -0.03747 | 0.05 | 0 |
| 447 | 43 | 9 | 0 | 45 | 42 | 9 | 0 | 44 | 297939.996 | 297939.966 | 0.03002 | 0.05 | 0 |
| 448 | 43 | 9 | 0 | 42 | 42 | 9 | 0 | 41 | 297939.996 | 297939.986 | 0.00981 | 0.05 | 0 |
| 449 | 43 | 11 | 0 | 41 | 42 | 11 | 0 | 40 | 297931.032 | 297930.948 | 0.08404 | 0.05 | 0 |
| 450 | 43 | 11 | 0 | 46 | 42 | 11 | 0 | 45 | 297931.032 | 297931.139 | -0.1074 | 0.05 | 0 |
| 451 | 43 | 12 | 0 | 42 | 42 | 12 | 0 | 41 | 297927.288 | 297927.344 | -0.05556 | 0.05 | 0 |
| 452 | 43 | 12 | 0 | 45 | 42 | 12 | 0 | 44 | 297927.288 | 297927.407 | -0.11904 | 0.05 | 0 |
| 453 | 43 | 12 | 0 | 41 | 42 | 12 | 0 | 40 | 297926.226 | 297926.142 | 0.08405 | 0.05 | 0 |
| 454 | 43 | 12 | 0 | 46 | 42 | 12 | 0 | 45 | 297926.226 | 297926.351 | -0.12478 | 0.05 | 0 |
| 455 | 43 | 13 | 0 | 43 | 42 | 13 | 0 | 42 | 297923.043 | 297923.035 | 0.00806 | 0.03 | 0 |
| 456 | 43 | 13 | 0 | 44 | 42 | 13 | 0 | 43 | 297923.043 | 297923.061 | -0.01753 | 0.03 | 0 |
| 457 | 43 | 13 | 0 | 42 | 42 | 13 | 0 | 41 | 297922.323 | 297922.327 | -0.00363 | 0.03 | 0 |
| 458 | 43 | 13 | 0 | 45 | 42 | 13 | 0 | 44 | 297922.323 | 297922.423 | -0.10035 | 0.03 | 0 |
| 459 | 43 | 14 | 0 | 43 | 42 | 14 | 0 | 42 | 297917.767 | 297917.742 | 0.02485 | 0.03 | 0 |
| 460 | 43 | 14 | 0 | 44 | 42 | 14 | 0 | 43 | 297917.767 | 297917.784 | -0.01666 | 0.03 | 0 |
| 461 | 43 | 14 | 0 | 42 | 42 | 14 | 0 | 41 | 297916.981 | 297916.908 | 0.07265 | 0.03 | 0 |
| 462 | 43 | 14 | 0 | 45 | 42 | 14 | 0 | 44 | 297916.981 | 297917.041 | -0.05997 | 0.03 | 0 |
| 463 | 43 | 15 | 0 | 43 | 42 | 15 | 0 | 42 | 297912.108 | 297912.057 | 0.05071 | 0.03 | 0 |
| 464 | 43 | 15 | 0 | 44 | 42 | 15 | 0 | 43 | 297912.108 | 297912.116 | -0.00791 | 0.03 | 0 |
| 465 | 43 | 15 | 0 | 42 | 42 | 15 | 0 | 41 | 297911.195 | 297911.089 | 0.1063 | 0.03 | 0 |
| 466 | 43 | 15 | 0 | 45 | 42 | 15 | 0 | 44 | 297911.195 | 297911.26 | -0.0649 | 0.03 | 0 |
| 467 | 43 | 15 | 0 | 41 | 42 | 15 | 0 | 40 | 297909.216 | 297909.217 | -0.00052 | 0.05 | 0 |
| 468 | 43 | 16 | 0 | 43 | 42 | 16 | 0 | 42 | 297906.045 | 297905.98 | 0.06463 | 0.03 | 0 |
| 469 | 43 | 16 | 0 | 44 | 42 | 16 | 0 | 43 | 297906.045 | 297906.057 | -0.01229 | 0.03 | 0 |
| 470 | 43 | 17 | 0 | 43 | 42 | 17 | 0 | 42 | 297899.578 | 297899.511 | 0.06662 | 0.03 | 0 |
| 471 | 43 | 17 | 0 | 44 | 42 | 17 | 0 | 43 | 297899.578 | 297899.608 | -0.0298 | 0.03 | 0 |
| 472 | 43 | 17 | 0 | 46 | 42 | 17 | 0 | 45 | 297896.22 | 297896.161 | 0.05853 | 0.03 | 0 |
| 473 | 43 | 18 | 0 | 43 | 42 | 18 | 0 | 42 | 297892.736 | | | | |

| | | | | | | | | | | | | | |
|-----|----|----|---|----|----|----|---|----|------------|------------|----------|------|---|
| 474 | 43 | 18 | 0 | 44 | 42 | 18 | 0 | 43 | 297892.736 | 297892.767 | -0.03143 | 0.03 | 0 |
| 475 | 43 | 18 | 0 | 42 | 42 | 18 | 0 | 41 | 297891.207 | 297891.222 | -0.01458 | 0.03 | 0 |
| 476 | 43 | 20 | 0 | 41 | 42 | 20 | 0 | 40 | 297872.64 | 297872.65 | -0.00957 | 0.03 | 0 |
| 477 | 43 | 21 | 0 | 43 | 42 | 21 | 0 | 42 | 297869.778 | 297869.715 | 0.06327 | 0.05 | 0 |
| 478 | 43 | 21 | 0 | 44 | 42 | 21 | 0 | 43 | 297869.778 | 297869.901 | -0.12311 | 0.05 | 0 |
| 479 | 43 | 21 | 0 | 45 | 42 | 21 | 0 | 44 | 297868.23 | 297868.201 | 0.02873 | 0.05 | 0 |
| 480 | 43 | 21 | 0 | 42 | 42 | 21 | 0 | 41 | 297867.732 | 297867.742 | -0.01015 | 0.03 | 0 |
| 481 | 43 | 21 | 0 | 46 | 42 | 21 | 0 | 45 | 297864.546 | 297864.514 | 0.03153 | 0.03 | 0 |
| 482 | 43 | 21 | 0 | 41 | 42 | 21 | 0 | 40 | 297864.082 | 297864.083 | -0.00051 | 0.03 | 0 |
| 483 | 43 | 22 | 0 | 45 | 42 | 22 | 0 | 44 | 297859.639 | 297859.629 | 0.00951 | 0.03 | 0 |
| 484 | 43 | 22 | 0 | 42 | 42 | 22 | 0 | 41 | 297859.13 | 297859.113 | 0.01707 | 0.03 | 0 |
| 485 | 43 | 22 | 0 | 46 | 42 | 22 | 0 | 45 | 297855.576 | 297855.562 | 0.01435 | 0.05 | 0 |
| 486 | 43 | 22 | 0 | 41 | 42 | 22 | 0 | 40 | 297855.107 | 297855.098 | 0.00942 | 0.03 | 0 |
| 487 | 43 | 23 | 0 | 44 | 42 | 23 | 0 | 43 | 297852.66 | 297852.703 | -0.04256 | 0.05 | 0 |
| 488 | 43 | 23 | 0 | 45 | 42 | 23 | 0 | 44 | 297850.713 | 297850.659 | 0.05397 | 0.03 | 0 |
| 489 | 43 | 23 | 0 | 42 | 42 | 23 | 0 | 41 | 297850.122 | 297850.082 | 0.03966 | 0.05 | 0 |
| 490 | 43 | 23 | 0 | 46 | 42 | 23 | 0 | 45 | 297846.262 | 297846.192 | 0.06961 | 0.03 | 0 |
| 491 | 43 | 23 | 0 | 41 | 42 | 23 | 0 | 40 | 297845.754 | 297845.695 | 0.05922 | 0.03 | 0 |
| 492 | 43 | 24 | 0 | 45 | 42 | 24 | 0 | 44 | 297841.302 | 297841.29 | 0.01208 | 0.05 | 0 |
| 493 | 43 | 24 | 0 | 42 | 42 | 24 | 0 | 41 | 297840.669 | 297840.65 | 0.01863 | 0.03 | 0 |
| 494 | 43 | 24 | 0 | 46 | 42 | 24 | 0 | 45 | 297836.442 | 297836.407 | 0.03531 | 0.05 | 0 |
| 495 | 43 | 25 | 0 | 45 | 42 | 25 | 0 | 44 | 297831.591 | 297831.522 | 0.06885 | 0.03 | 0 |
| 496 | 43 | 25 | 0 | 41 | 42 | 25 | 0 | 40 | 297825.626 | 297825.636 | -0.00956 | 0.03 | 0 |
| 497 | 43 | 26 | 0 | 45 | 42 | 26 | 0 | 44 | 297821.416 | 297821.356 | 0.06027 | 0.03 | 0 |
| 498 | 43 | 26 | 0 | 46 | 42 | 26 | 0 | 45 | 297815.628 | 297815.586 | 0.04203 | 0.03 | 0 |
| 499 | 43 | 26 | 0 | 41 | 42 | 26 | 0 | 40 | 297815.004 | 297814.979 | 0.02485 | 0.05 | 0 |
| 500 | 43 | 27 | 0 | 44 | 42 | 27 | 0 | 43 | 297813.636 | 297813.615 | 0.0209 | 0.05 | 0 |
| 501 | 43 | 27 | 0 | 45 | 42 | 27 | 0 | 44 | 297810.776 | 297810.791 | -0.01466 | 0.03 | 0 |
| 502 | 43 | 27 | 0 | 42 | 42 | 27 | 0 | 41 | 297809.942 | 297809.946 | -0.00417 | 0.03 | 0 |
| 503 | 43 | 27 | 0 | 46 | 42 | 27 | 0 | 45 | 297804.57 | 297804.551 | 0.01907 | 0.03 | 0 |
| 504 | 43 | 27 | 0 | 41 | 42 | 27 | 0 | 40 | 297803.932 | 297803.905 | 0.02712 | 0.03 | 0 |
| 505 | 43 | 28 | 0 | 42 | 42 | 28 | 0 | 41 | 297799.02 | 297798.909 | 0.11133 | 0.05 | 0 |
| 506 | 43 | 29 | 0 | 45 | 42 | 29 | 0 | 44 | 297788.49 | 297788.465 | 0.02541 | 0.05 | 0 |
| 507 | 43 | 29 | 0 | 42 | 42 | 29 | 0 | 41 | 297787.5 | 297787.47 | 0.03022 | 0.05 | 0 |
| 508 | 43 | 30 | 0 | 45 | 42 | 30 | 0 | 44 | 297776.658 | 297776.704 | -0.0456 | 0.03 | 0 |
| 509 | 43 | 30 | 0 | 42 | 42 | 30 | 0 | 41 | 297775.571 | 297775.63 | -0.0585 | 0.03 | 0 |
| 510 | 43 | 30 | 0 | 43 | 42 | 30 | 0 | 42 | 297779.712 | 297779.736 | -0.02364 | 0.03 | 0 |
| 511 | 43 | 31 | 0 | 45 | 42 | 31 | 0 | 44 | 297764.536 | 297764.544 | -0.00797 | 0.03 | 0 |
| 512 | 43 | 31 | 0 | 42 | 42 | 31 | 0 | 41 | 297763.387 | 297763.388 | -0.00082 | 0.03 | 0 |
| 513 | 43 | 31 | 0 | 41 | 42 | 31 | 0 | 40 | 297755.414 | 297755.429 | -0.01533 | 0.03 | 0 |
| 514 | 43 | 32 | 0 | 43 | 42 | 32 | 0 | 42 | 297755.414 | 297755.427 | -0.01329 | 0.03 | 0 |
| 515 | 43 | 33 | 0 | 42 | 42 | 33 | 0 | 41 | 297737.673 | 297737.7 | -0.02727 | 0.03 | 0 |
| 516 | 43 | 33 | 0 | 45 | 42 | 33 | 0 | 44 | 297739.019 | 297739.029 | -0.00984 | 0.03 | 0 |
| 517 | 43 | 34 | 0 | 43 | 42 | 34 | 0 | 42 | 297729.574 | 297729.551 | 0.02346 | 0.03 | 0 |
| 518 | 43 | 33 | 0 | 46 | 42 | 33 | 0 | 45 | 297729.574 | 297729.595 | -0.02104 | 0.03 | 0 |
| 519 | 43 | 33 | 0 | 41 | 42 | 33 | 0 | 40 | 297728.671 | 297728.685 | -0.01353 | 0.03 | 0 |
| 520 | 43 | 34 | 0 | 45 | 42 | 34 | 0 | 44 | 297725.628 | 297725.673 | -0.04535 | 0.03 | 0 |
| 521 | 43 | 34 | 0 | 42 | 42 | 34 | 0 | 41 | 297724.266 | 297724.254 | 0.01161 | 0.05 | 0 |
| 522 | 43 | 35 | 0 | 45 | 42 | 35 | 0 | 44 | 297711.882 | 297711.919 | -0.03724 | 0.05 | 0 |
| 523 | 43 | 35 | 0 | 42 | 42 | 35 | 0 | 41 | 297710.361 | 297710.407 | -0.04611 | 0.03 | 0 |
| 524 | 43 | 36 | 0 | 45 | 42 | 36 | 0 | 44 | 297697.724 | 297697.767 | -0.04252 | 0.03 | 0 |
| 525 | 43 | 36 | 0 | 46 | 42 | 36 | 0 | 45 | 297686.452 | 297686.495 | -0.04267 | 0.03 | 0 |
| 526 | 43 | 36 | 0 | 41 | 42 | 36 | 0 | 40 | 297685.332 | 297685.434 | -0.10168 | 0.05 | 0 |
| 527 | 43 | 37 | 0 | 42 | 42 | 37 | 0 | 41 | 297681.372 | 297681.508 | -0.13631 | 0.05 | 0 |
| 528 | 43 | 38 | 0 | 43 | 42 | 38 | 0 | 42 | 297673.164 | 297673.092 | 0.07226 | 0.05 | 0 |

NEW PARAMETER (EST. ERROR) -- CHANGE THIS ITERATION

| | | | | |
|----|-----------|----------|--------------------|---------------|
| 1 | 10000 | A | 3849.81000000(0) | -0.00000000 |
| 2 | 20000 | B | 3467.049187(71) | -0.000000 |
| 3 | 200 | -DJ | -0.661262(112)E-03 | -0.000000E-03 |
| 4 | 1100 | -DJK | -2.35223(46)E-03 | 0.00000E-03 |
| 5 | 300 | HJ | 0.293(41)E-09 | 0.000E-09 |
| 6 | 1200 | HJK | 2.740(139)E-09 | -0.000E-09 |
| 7 | 110010000 | 1.5eQq | 1135.8215(38) | 0.0000 |
| 8 | 110010100 | 1.5eQqJN | -0.01249(52) | 0.00000 |
| 9 | 10010000 | -Caa | 0.05068(37) | 0.00000 |
| 10 | 10020000 | -Cbb | 0.051221(106) | -0.000000 |

MICROWAVE AVG = 0.000681 MHz, IR AVG = 0.00000
MICROWAVE RMS = 0.036927 MHz, IR RMS = 0.00000