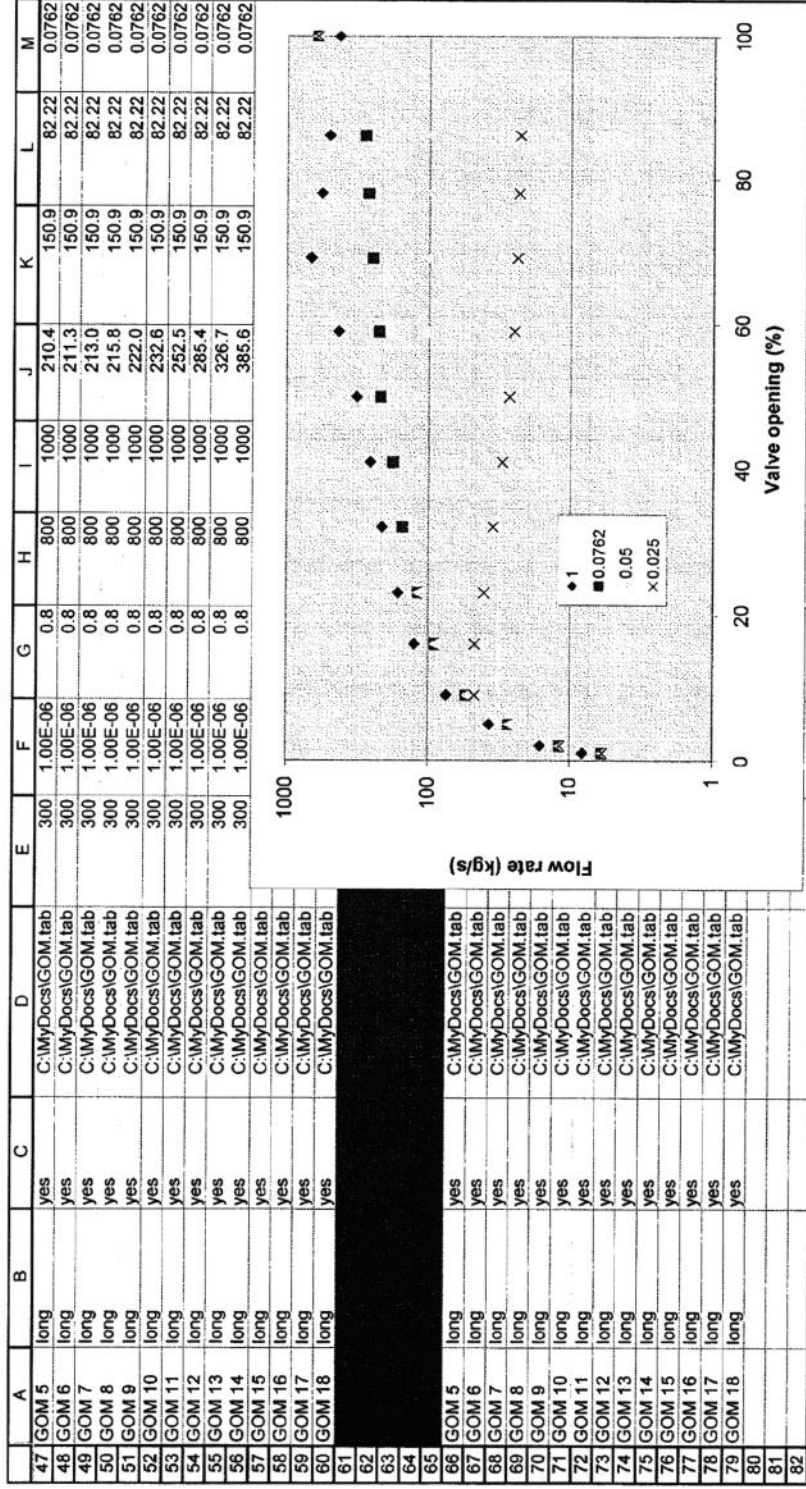




| A | B | C | D | E | F | G | H | I | J | K | L | M |
|----------------|----------------------------|--------------------------|---|---|-------------------------------------|-------------------------------------|-------------------------------------|---|----------------------------|------------------------------|------------------------------|--------------------------|
| Calculation ID | Model version [short long] | Calculate slip? [yes no] | Fluid property file [TAB] OLGA TAB file | Gas-oil ratio (volum based) (Sm3/Sm3) GOR | Water cut (liquid volum based) % WC | Standard density gas [kg/Sm3] p_gas | Standard density oil [kg/Sm3] p_oil | Standard density water [kg/Sm3] p_water | Upstream pressure [bar] p1 | Downstream pressure [bar] p3 | Upstream temperature [°C] T1 | Upstream diameter [m] d1 |
| 1 | GOM 5 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 210.4 | 150.9 | 82.22 | 0.0762 |
| 2 | GOM 6 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 211.3 | 150.9 | 82.22 | 0.0762 |
| 3 | GOM 7 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 213.0 | 150.9 | 82.22 | 0.0762 |
| 4 | GOM 8 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 215.8 | 150.9 | 82.22 | 0.0762 |
| 5 | GOM 9 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 222.0 | 150.9 | 82.22 | 0.0762 |
| 6 | GOM 10 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 232.6 | 150.9 | 82.22 | 0.0762 |
| 7 | GOM 11 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 252.5 | 150.9 | 82.22 | 0.0762 |
| 8 | GOM 12 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 285.4 | 150.9 | 82.22 | 0.0762 |
| 9 | GOM 13 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 326.7 | 150.9 | 82.22 | 0.0762 |
| 10 | GOM 14 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 385.6 | 150.9 | 82.22 | 0.0762 |
| 11 | GOM 15 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 428.2 | 150.9 | 82.22 | 0.0762 |
| 12 | GOM 16 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 441.1 | 150.9 | 82.22 | 0.0762 |
| 13 | GOM 17 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 450.8 | 150.9 | 82.22 | 0.0762 |
| 14 | GOM 18 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 15 | GOM 19 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 16 | GOM 20 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 17 | GOM 21 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 18 | GOM 22 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 19 | GOM 23 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 20 | GOM 24 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 21 | GOM 25 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 22 | GOM 26 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 23 | GOM 27 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 24 | GOM 28 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 25 | GOM 29 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 26 | GOM 30 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 27 | GOM 31 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 28 | GOM 32 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 29 | GOM 33 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 30 | GOM 34 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 31 | GOM 35 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 32 | GOM 36 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 33 | GOM 37 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 34 | GOM 38 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 35 | GOM 39 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 36 | GOM 40 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 37 | GOM 41 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 38 | GOM 42 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 39 | GOM 43 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 40 | GOM 44 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 41 | GOM 45 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 42 | GOM 46 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 43 | GOM 47 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 44 | GOM 48 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 45 | GOM 49 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |
| 46 | GOM 50 | yes | C:\MyDocs\GOM\tab | 300 | 1.00E-06 | 0.8 | 800 | 1000 | 452.8 | 150.9 | 82.22 | 0.0762 |

| | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD |
|----|-------------------------------|-----------------------------------|--------------------------|----------------------------------|-------|------|-------|--------------------------|---------------------------|-----------------------------|-------------------------|--|---------------------------|---|---|---|--|
| 1 | Downstream diameter [m] | Contraction coefficient [-] | Choke diameter [m] | Throttling coefficient [-] | CVmax | Plug | Fluid | Inlet position [m] | Outlet position [m] | Mass flow rate [kg/s] | Valve opening [%] | Gas liquid slip at vena contracta [-] | Choked flow? [Flag] | Critical mass flow rate [kg/s] | Vena contracta pressure [bara] | Critical vena contracta pressure [bara] | Critical downstream pressure [bara] |
| 2 | d3 | Cc | d_choke | Ct0 | | | | dz1 | dz3 | mflow | Lift | Slip2 | Choked | mmixc | p2 | p2c | p3c |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
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| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | 1.0000 | 0.6000 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 432.4999 | 100 | 2.0428 | 1 | 432.4999 | 69 | 70 |
| 10 | 1.0000 | 0.6000 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 505.0678 | 86 | 1.6408 | 1 | 505.0678 | 101 | 102 |
| 11 | 1.0000 | 0.6000 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 569.0864 | 78 | 1.7000 | 1 | 569.0864 | 132 | 134 |
| 12 | 1.0000 | 0.6000 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 678.8391 | 69 | 1.5508 | 1 | 678.8391 | 191 | 193 |
| 13 | 1.0000 | 0.6000 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 433.7370 | 59 | 1.6394 | 0 | 439.1093 | 150 | 136 |
| 14 | 1.0000 | 0.6000 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 322.4417 | 50 | 1.6302 | 0 | 336.0771 | 150 | 119 |
| 15 | 1.0000 | 0.6000 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 259.2449 | 41 | 1.6169 | 0 | 270.0208 | 150 | 115 |
| 16 | 1.0000 | 0.6000 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 212.7834 | 32 | 1.5996 | 0 | 217.8572 | 150 | 120 |
| 17 | 1.0000 | 0.6000 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 164.1094 | 23 | 1.5818 | 0 | 165.6253 | 150 | 130 |
| 18 | 1.0000 | 0.6000 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 125.4389 | 16 | 1.5597 | 0 | 125.4932 | 150 | 147 |
| 19 | 1.0000 | 0.6000 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 74.3867 | 9 | 1.5232 | 1 | 74.3867 | 157 | 158 |
| 20 | 1.0000 | 0.6000 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 37.0731 | 5 | 1.6647 | 1 | 37.0731 | 185 | 185 |
| 21 | 1.0000 | 0.6000 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 16.2050 | 2 | 1.6465 | 1 | 16.2050 | 154 | 154 |
| 22 | 1.0000 | 0.6000 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 8.1272 | 1 | 1.6457 | 1 | 8.1272 | 154 | 154 |
| 23 | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | |
| 28 | 0.0762 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 616.3293 | 100 | 1.6226 | 1 | 616.3293 | 160 | -110 |
| 29 | 0.0762 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 282.3792 | 86 | 1.5347 | 0 | 490.1695 | 203 | 145 |
| 30 | 0.0762 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 268.6574 | 78 | 1.5542 | 0 | 389.8916 | 192 | 123 |
| 31 | 0.0762 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 249.3719 | 69 | 1.5794 | 0 | 318.6625 | 177 | 111 |
| 32 | 0.0762 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 225.1460 | 59 | 1.6079 | 0 | 260.6927 | 162 | 105 |
| 33 | 0.0762 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 219.0091 | 50 | 1.7919 | 1 | 219.0091 | 104 | 115 |
| 34 | 0.0762 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 178.6218 | 41 | 1.6513 | 0 | 184.3339 | 138 | 107 |
| 35 | 0.0762 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 152.1451 | 32 | 1.6655 | 0 | 152.8180 | 127 | 116 |
| 36 | 0.0762 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 118.1062 | 23 | 1.6462 | 1 | 118.1062 | 127 | 127 |
| 37 | 0.0762 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 90.2064 | 16 | 1.5723 | 1 | 90.2064 | 145 | 173 |
| 38 | 0.0762 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 53.7258 | 9 | 1.5241 | 1 | 53.7258 | 157 | 157 |
| 39 | 0.0762 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 26.8164 | 5 | 1.6651 | 1 | 26.8164 | 184 | 184 |
| 40 | 0.0762 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 11.7279 | 2 | 1.6466 | 1 | 11.7279 | 154 | 154 |
| 41 | 0.0762 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 1 | 0 | 0 | 5.8823 | 1 | 1.6457 | 1 | 5.8823 | 154 | 154 |
| 42 | | | | | | | | | | | | | | | | | |
| 43 | | | | | | | | | | | | | | | | | |
| 44 | | | | | | | | | | | | | | | | | |
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| | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ |
|----|--------|--------|----------------------------------|--|--|---|--|--------------------------------------|----------------------------|------|-------|---|--------|
| | | | Pressure ratio [-] p3/p1 | Critical pressure ratio [-] p3c/p1 | Pressure difference [bara] p1-p3 | Pressure recovery coefficient [-] η | Vena contracta temperature [°C] t2 | Downstream temperature [°C] t3 | Valve coefficient CN CV | CVWO | Ct | Error returned from dll [-] Error | |
| 1 | | | | | | | | | | | | | |
| 2 | [-] | | | | | | | | | | | | |
| 3 | p2/p1 | p2c/p1 | p3/p1 | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | |
| 8 | 0.3277 | 0.3277 | 0.7173 | 0.3327 | 59.45866 | | 0.6484 | 17.70 | 82.22 | 1 | 371.5 | 2 | 1.6676 |
| 9 | 0.4772 | 0.4772 | 0.7141 | 0.4840 | 60.42392 | | 0.7396 | 62.02 | 82.22 | 1 | 429.8 | 1.720000029 | 1.4341 |
| 11 | 0.6196 | 0.6196 | 0.7085 | 0.6282 | 62.07866 | | 0.8754 | 52.80 | 82.22 | 1 | 476.9 | 1.559999943 | 1.3007 |
| 12 | 0.8844 | 0.8844 | 0.6992 | 0.8963 | 64.90552 | | 1.6127 | 74.86 | 82.22 | 1 | 554.7 | 1.379999995 | 1.1506 |
| 13 | 0.6737 | 0.6054 | 0.6797 | 0.6118 | 71.11078 | | 0.9907 | 57.28 | 82.22 | 1 | 336.4 | 1.179999948 | 0.9839 |
| 14 | 0.6449 | 0.5078 | 0.6487 | 0.5123 | 81.7287 | | 0.9947 | 54.74 | 82.22 | 1 | 230.9 | 1 | 0.8338 |
| 15 | 0.5949 | 0.4560 | 0.5977 | 0.4592 | 101.58556 | | 0.9966 | 50.44 | 82.22 | 1 | 163.8 | 0.819999993 | 0.6837 |
| 16 | 0.5267 | 0.4218 | 0.5288 | 0.4242 | 134.47348 | | 0.9978 | 44.54 | 82.22 | 1 | 114.4 | 0.639999986 | 0.5336 |
| 17 | 0.4604 | 0.3975 | 0.4619 | 0.3992 | 175.773 | | 0.9986 | 38.37 | 82.22 | 1 | 75.9 | 0.460000008 | 0.3635 |
| 18 | 0.3902 | 0.3803 | 0.3914 | 0.3814 | 234.65412 | | 0.9991 | 32.49 | 82.22 | 1 | 49.6 | 0.319999993 | 0.2668 |
| 19 | 0.3674 | 0.3674 | 0.3524 | 0.3680 | 277.26364 | | 1.0118 | 30.33 | 82.22 | 1 | 27.0 | 0.180000007 | 0.1501 |
| 20 | 0.4183 | 0.4183 | 0.3421 | 0.4187 | 290.22576 | | 1.0635 | 70.21 | 82.22 | 1 | 14.0 | 0.100000001 | 0.0834 |
| 21 | 0.3410 | 0.3410 | 0.3348 | 0.3412 | 299.8784 | | 1.0047 | -18.77 | 82.22 | 1 | 6.1 | 0.039999999 | 0.0334 |
| 22 | 0.3407 | 0.3407 | 0.3332 | 0.3408 | 301.94684 | | 1.0056 | -18.95 | 82.22 | 1 | 3.0 | 0.02 | 0.0167 |
| 23 | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | |
| 28 | 0.7614 | 0.7614 | 0.7173 | -0.5215 | 59.45866 | | 1.0884 | 65.24 | 82.22 | 1 | 529.4 | 2 | 1.6676 |
| 29 | 0.9628 | 0.6874 | 0.7141 | 0.0440 | 60.42392 | | 2.7715 | 79.80 | 82.22 | 1 | 240.3 | 1.720000029 | 1.4341 |
| 30 | 0.8997 | 0.5787 | 0.7085 | 0.2787 | 62.07866 | | 1.7049 | 75.50 | 82.22 | 1 | 225.2 | 1.559999943 | 1.3007 |
| 31 | 0.8223 | 0.5165 | 0.6992 | 0.4002 | 64.90552 | | 1.3011 | 69.81 | 82.22 | 1 | 203.8 | 1.379999995 | 1.1506 |
| 32 | 0.7305 | 0.4729 | 0.6797 | 0.4673 | 71.11078 | | 1.0902 | 62.24 | 82.22 | 1 | 174.6 | 1.179999948 | 0.9839 |
| 33 | 0.4455 | 0.4455 | 0.6487 | 0.4956 | 81.7287 | | 0.7960 | 33.22 | 82.22 | 1 | 156.8 | 1 | 0.8338 |
| 34 | 0.5456 | 0.4239 | 0.5977 | 0.5032 | 101.58556 | | 0.9410 | 45.43 | 82.22 | 1 | 112.8 | 0.819999993 | 0.6837 |
| 35 | 0.4463 | 0.4057 | 0.5288 | 0.4959 | 134.47348 | | 0.9226 | 35.48 | 82.22 | 1 | 81.8 | 0.639999986 | 0.5336 |
| 36 | 0.3903 | 0.3903 | 0.4619 | 0.4767 | 175.773 | | 0.9394 | 29.76 | 82.22 | 1 | 54.6 | 0.460000008 | 0.3635 |
| 37 | 0.3771 | 0.3771 | 0.3914 | 0.4500 | 234.65412 | | 0.9884 | 30.81 | 82.22 | 1 | 35.6 | 0.319999993 | 0.2668 |
| 38 | 0.3664 | 0.3664 | 0.3524 | 0.4152 | 277.26364 | | 1.0110 | 30.20 | 82.22 | 1 | 19.5 | 0.180000007 | 0.1501 |
| 39 | 0.4180 | 0.4180 | 0.3421 | 0.4450 | 290.22576 | | 1.0632 | 70.20 | 82.22 | 1 | 10.1 | 0.100000001 | 0.0834 |
| 40 | 0.3410 | 0.3410 | 0.3348 | 0.3540 | 299.8784 | | 1.0047 | -18.78 | 82.22 | 1 | 4.4 | 0.039999999 | 0.0334 |
| 41 | 0.3407 | 0.3407 | 0.3332 | 0.3473 | 301.94684 | | 1.0056 | -18.95 | 82.22 | 1 | 2.2 | 0.02 | 0.0167 |
| 42 | | | | | | | | | | | | | |
| 43 | | | | | | | | | | | | | |
| 44 | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | |
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| | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD |
|----|--------|--------|--------|--------|---|---|---|---|---|----------|-----|--------|---|----------|-----|-----|--------|
| 47 | 0.0500 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 616.3293 | 100 | 1.6226 | 1 | 616.3293 | 160 | 160 | -2124 |
| 48 | 0.0500 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 100.3818 | 86 | 1.5234 | 0 | 490.1695 | 210 | 145 | -1219 |
| 49 | 0.0500 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 101.9024 | 78 | 1.5223 | 0 | 389.8916 | 210 | 123 | -888 |
| 50 | 0.0500 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 104.1777 | 69 | 1.5204 | 0 | 318.6625 | 210 | 111 | -390 |
| 51 | 0.0500 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 108.4496 | 59 | 1.5162 | 0 | 260.6927 | 211 | 105 | -194 |
| 52 | 0.0500 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 114.5308 | 50 | 1.5072 | 0 | 219.0091 | 212 | 104 | -79 |
| 53 | 0.0500 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 123.9811 | 41 | 1.4976 | 0 | 184.3339 | 211 | 107 | 5 |
| 54 | 0.0500 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 129.4753 | 32 | 1.5037 | 0 | 152.8180 | 198 | 116 | 74 |
| 55 | 0.0500 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 118.1062 | 23 | 1.6462 | 1 | 118.1062 | 127 | 127 | 132 |
| 56 | 0.0500 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 90.2064 | 16 | 1.5723 | 1 | 90.2064 | 145 | 145 | 175 |
| 57 | 0.0500 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 53.7258 | 9 | 1.5241 | 1 | 53.7258 | 157 | 157 | 183 |
| 58 | 0.0500 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 26.8164 | 5 | 1.6651 | 1 | 26.8164 | 184 | 184 | 209 |
| 59 | 0.0500 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 11.7279 | 2 | 1.6466 | 1 | 11.7279 | 154 | 154 | 167 |
| 60 | 0.0500 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 5.8823 | 1 | 1.6457 | 1 | 5.8823 | 154 | 154 | 161 |
| 61 | | | | | | | | | | | | | | | | | |
| 62 | | | | | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | | | | | |
| 64 | | | | | | | | | | | | | | | | | |
| 65 | | | | | | | | | | | | | | | | | |
| 66 | 0.0250 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 616.3293 | 100 | 1.6226 | 1 | 616.3293 | 160 | 160 | -43903 |
| 67 | 0.0250 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 22.8537 | 86 | 1.5221 | 0 | 490.1695 | 211 | 145 | -27403 |
| 68 | 0.0250 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 23.2189 | 78 | 1.5185 | 0 | 389.8916 | 213 | 123 | -17101 |
| 69 | 0.0250 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 23.8167 | 69 | 1.5125 | 0 | 318.6625 | 216 | 111 | -11231 |
| 70 | 0.0250 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 25.0362 | 59 | 1.4998 | 0 | 260.6927 | 221 | 105 | -7341 |
| 71 | 0.0250 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 26.9682 | 50 | 1.4796 | 0 | 219.0091 | 232 | 104 | -5035 |
| 72 | 0.0250 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 30.2428 | 41 | 1.4466 | 0 | 184.3339 | 250 | 107 | -3424 |
| 73 | 0.0250 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 35.0575 | 32 | 1.4029 | 0 | 152.8180 | 280 | 116 | -2200 |
| 74 | 0.0250 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 40.4600 | 23 | 1.3635 | 0 | 118.1062 | 312 | 127 | -1136 |
| 75 | 0.0250 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 46.8481 | 16 | 1.3268 | 0 | 90.2064 | 343 | 145 | -484 |
| 76 | 0.0250 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 46.9437 | 9 | 1.3662 | 0 | 53.7258 | 271 | 157 | 35 |
| 77 | 0.0250 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 0.0000 | 5 | 1.3582 | 0 | 26.8164 | 441 | 184 | 216 |
| 78 | 0.0250 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 11.7279 | 2 | 1.6466 | 1 | 11.7279 | 154 | 154 | 193 |
| 79 | 0.0250 | 0.4300 | 0.0984 | 1.6676 | 2 | 1 | 1 | 0 | 0 | 5.8823 | 1 | 1.6457 | 1 | 5.8823 | 154 | 154 | 178 |
| 80 | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | |

| | AE | AF | AG | AH | AI | AJ | AK | AL | AM | AN | AO | AP | AQ |
|----|--------|--------|--------|-----------|-----------|----------------------|--------|-------|----|-------|-------------|--------|--------|
| 47 | 0.7614 | 0.7614 | 0.7173 | -10.0971 | 59.45866 | 1.0884 | 65.24 | 82.22 | 1 | 529.4 | | 2 | 1.6676 |
| 48 | 0.9960 | 0.6874 | 0.7141 | -5.7677 | 60.42392 | 8.5029 | 81.97 | 82.22 | 1 | 85.4 | 1.720000029 | 1.4341 | 0 |
| 49 | 0.9881 | 0.5787 | 0.7085 | -3.2324 | 62.07866 | 4.9462 | 81.45 | 82.22 | 1 | 85.4 | 1.559999943 | 1.3007 | 0 |
| 50 | 0.9749 | 0.5165 | 0.6992 | -1.8066 | 64.90552 | 3.4631 | 80.58 | 82.22 | 1 | 85.1 | 1.379999995 | 1.1506 | 0 |
| 51 | 0.9506 | 0.4729 | 0.6797 | -0.8758 | 71.11078 | 2.5462 | 78.92 | 82.22 | 1 | 84.1 | 1.179999948 | 0.9839 | 0 |
| 52 | 0.9112 | 0.4455 | 0.6487 | -0.3379 | 81.7287 | 1.9886 | 76.20 | 82.22 | 1 | 82.0 | 1 | 0.8338 | 0 |
| 53 | 0.8363 | 0.4239 | 0.5977 | 0.0209 | 101.58556 | 1.5877 | 70.94 | 82.22 | 1 | 77.8 | 0.819999993 | 0.6837 | 0 |
| 54 | 0.6928 | 0.4057 | 0.5288 | 0.2582 | 134.47348 | 1.2384 | 60.13 | 82.22 | 1 | 69.6 | 0.639999986 | 0.5336 | 0 |
| 55 | 0.3903 | 0.3619 | 0.4047 | 0.4619 | 175.773 | 0.9394 | 29.76 | 82.22 | 1 | 54.6 | 0.460000008 | 0.3635 | 0 |
| 56 | 0.3771 | 0.3771 | 0.3914 | 0.4544 | 234.65412 | 0.9884 | 30.81 | 82.22 | 1 | 35.6 | 0.319999993 | 0.2688 | 0 |
| 57 | 0.3664 | 0.3664 | 0.3524 | 0.4504 | 277.26364 | 1.0110 | 30.20 | 82.22 | 1 | 19.5 | 0.180000007 | 0.1501 | 0 |
| 58 | 0.4180 | 0.4180 | 0.3421 | 0.4735 | 290.22576 | 1.0632 | 70.20 | 82.22 | 1 | 10.1 | 0.100000001 | 0.0834 | 0 |
| 59 | 0.3410 | 0.3410 | 0.3348 | 0.3699 | 299.8784 | 1.0047 | -18.78 | 82.22 | 1 | 4.4 | 0.039999999 | 0.0334 | 0 |
| 60 | 0.3407 | 0.3407 | 0.3332 | 0.3557 | 301.94684 | 1.0056 | -18.95 | 82.22 | 1 | 2.2 | 0.02 | 0.0167 | 0 |
| 61 | | | | | | | | | | | | | |
| 62 | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | |
| 64 | | | | | | | | | | | | | |
| 65 | | | | | | | | | | | | | |
| 66 | 0.7614 | 0.7614 | 0.7173 | -208.7074 | 59.45866 | 1.0884 | 65.24 | 82.22 | 1 | 529.4 | | 2 | 1.6676 |
| 67 | 0.9998 | 0.6874 | 0.7141 | -129.6718 | 60.42392 | 37.7410 | 82.21 | 82.22 | 1 | 19.5 | 1.720000029 | 1.4341 | 0 |
| 68 | 0.9994 | 0.5787 | 0.7085 | -80.2933 | 62.07866 | 21.9810 | 82.18 | 82.22 | 1 | 19.5 | 1.559999943 | 1.3007 | 0 |
| 69 | 0.9987 | 0.5165 | 0.6992 | -52.0406 | 64.90552 | 15.3906 | 82.14 | 82.22 | 1 | 19.5 | 1.379999995 | 1.1506 | 0 |
| 70 | 0.9975 | 0.4729 | 0.6797 | -33.0677 | 71.11078 | 11.2750 | 82.05 | 82.22 | 1 | 19.4 | 1.179999948 | 0.9839 | 0 |
| 71 | 0.9954 | 0.4455 | 0.6487 | -21.6461 | 81.7287 | 8.7203 | 81.92 | 82.22 | 1 | 19.3 | 1 | 0.8338 | 0 |
| 72 | 0.9911 | 0.4239 | 0.5977 | -13.5622 | 101.58556 | 6.7190 | 81.65 | 82.22 | 1 | 19.1 | 0.819999993 | 0.6837 | 0 |
| 73 | 0.9813 | 0.4057 | 0.5288 | -7.7086 | 134.47348 | 5.0232 | 81.05 | 82.22 | 1 | 18.9 | 0.639999986 | 0.5336 | 0 |
| 74 | 0.9557 | 0.3903 | 0.4619 | -3.4783 | 175.773 | 3.4834 | 79.49 | 82.22 | 1 | 18.7 | 0.460000008 | 0.3635 | 0 |
| 75 | 0.8908 | 0.3771 | 0.3914 | -1.2542 | 234.65412 | 2.3604 | 75.69 | 82.22 | 1 | 18.5 | 0.319999993 | 0.2688 | 0 |
| 76 | 0.6335 | 0.3664 | 0.3524 | 0.0823 | 277.26364 | 1.3292 | 57.54 | 82.22 | 1 | 17.0 | 0.180000007 | 0.1501 | 0 |
| 77 | 1.0000 | 0.4180 | 0.3421 | 0.4899 | 290.22576 | 999999986991104.0000 | 81.67 | 82.22 | 1 | 0.0 | 0.100000001 | 0.0834 | 0 |
| 78 | 0.3410 | 0.3410 | 0.3348 | 0.4285 | 299.8784 | 1.0047 | -18.78 | 82.22 | 1 | 4.4 | 0.039999999 | 0.0334 | 0 |
| 79 | 0.3407 | 0.3407 | 0.3332 | 0.3938 | 301.94684 | 1.0056 | -18.95 | 82.22 | 1 | 2.2 | 0.02 | 0.0167 | 0 |
| 80 | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|-------------|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | calc_id | xg1 | xo1 | xw1 | xg2 | xo2 | xw2 | xg3 | xo3 | xw3 | glr1 | glr2 |
| 4 | Water | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 4.42574E-09 | 0.000176555 |
| 5 | Water | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 4.42574E-09 | 0.000176555 |
| 6 | Water | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 4.42574E-09 | 0.000176555 |
| 7 | Water | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 4.42574E-09 | 0.000176555 |
| 8 | Water | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 4.42574E-09 | 0.000176555 |
| 9 | GOM 5 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 1.135475039 | 2.835902929 |
| 10 | GOM 6 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 1.129361153 | 1.474502921 |
| 11 | GOM 7 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 1.119011879 | 1.656395793 |
| 12 | GOM 8 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 1.101707578 | 1.210850563 |
| 13 | GOM 9 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 1.065302134 | 1.470332861 |
| 14 | GOM 10 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 1.008436441 | 1.442727823 |
| 15 | GOM 11 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.916755915 | 1.403169036 |
| 16 | GOM 12 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.796464384 | 1.351912737 |
| 17 | GOM 13 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.682657421 | 1.299864173 |
| 18 | GOM 14 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.560797751 | 1.235945225 |
| 19 | GOM 15 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | | |
| 20 | GOM 16 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | | |
| 21 | GOM 17 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | | |
| 22 | GOM 18 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | | |
| 23 | Water | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | | |
| 24 | Water | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | | |
| 25 | Water | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | | |
| 26 | Water | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | | |
| 27 | Water | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | | |
| 28 | GOM 5 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | | |
| 29 | GOM 6 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | | |
| 30 | GOM 7 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | | |
| 31 | GOM 8 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | | |
| 32 | GOM 9 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | | |
| 33 | GOM 10 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | | |
| 34 | GOM 11 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | | |
| 35 | GOM 12 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | | |
| 36 | GOM 13 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | | |
| 37 | GOM 14 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | | |
| 38 | GOM 15 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | | |
| 39 | GOM 16 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | | |
| 40 | GOM 17 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | | |
| 41 | GOM 18 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | | |
| 42 | Water | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 4.42574E-09 | 0.000176555 |
| 43 | Water | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 4.42574E-09 | 0.000176555 |
| 44 | Water | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 4.42574E-09 | 0.000176555 |
| 45 | Water | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 4.42574E-09 | 0.000176555 |
| 46 | Water | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 4.42574E-09 | 0.000176555 |
| 47 | GOM 5 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 1.135475039 | 2.835902929 |
| 48 | GOM 6 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 1.129361153 | 1.474502921 |
| 49 | GOM 7 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 1.119011879 | 1.656395793 |

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| X: mass fraction | | | | | | | | | | | |
| glr: gas/liquid ratio | | | | | | | | | | | |
| wc: water cut | | | | | | | | | | | |
| void: void fraction | | | | | | | | | | | |
| rho: density | | | | | | | | | | | |
| cp: specific heat at constant pressure | | | | | | | | | | | |
| cv: specific heat at constant volume | | | | | | | | | | | |
| pnx: polytropic expansion coefficient | | | | | | | | | | | |
| ss: entropy | | | | | | | | | | | |
| delsp: derivative of liquid entropy wrt pressure | | | | | | | | | | | |
| 1: upstream position | | | | | | | | | | | |
| 2: vena contracta position | | | | | | | | | | | |
| 3: downstream position | | | | | | | | | | | |
| g: gas | | | | | | | | | | | |
| o: oil | | | | | | | | | | | |
| w: water | | | | | | | | | | | |
| m: mixture | | | | | | | | | | | |
| -1.49012E-08 | | | | | | | | | | | |
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x: mass fraction
 glr: gas/liquid ratio
 wc: water cut
 void: void fraction
 rho: density
 cp: specific heat at constant pressure
 cv: specific heat at constant volume
 pnx: polytropic expansion coefficient
 ss: entropy
 dslsp: derivative of liquid entropy wrt pressure
 1: upstream position
 2: vena contracta position
 3: downstream position
 g: gas
 o: oil
 w: water
 m: mixture

| | M | N | O | P | Q | R | S | T | U | V | W | X |
|----|-------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | glr3 | wc1 | wc2 | wc3 | void1 | void2 | void3 | rhog1 | rhoo1 | rhov1 | rhov1 | rhog2 |
| 4 | 6.28824E-09 | 0.998830736 | 0.998830736 | 0.998885632 | 4.42574E-09 | 0.000110325 | 6.28824E-09 | 177.018692 | 670.0010376 | 979.4777222 | 979.1158447 | 0.004437366 |
| 5 | 6.28824E-09 | 0.998830736 | 0.998830736 | 0.998885632 | 4.42574E-09 | 0.000110325 | 6.28824E-09 | 177.018692 | 670.0010376 | 979.4777222 | 979.1158447 | 0.004437366 |
| 6 | 6.28824E-09 | 0.998830736 | 0.998830736 | 0.998885632 | 4.42574E-09 | 0.000110325 | 6.28824E-09 | 177.018692 | 670.0010376 | 979.4777222 | 979.1158447 | 0.004437366 |
| 7 | 6.28824E-09 | 0.998830736 | 0.998830736 | 0.998885632 | 4.42574E-09 | 0.000110325 | 6.28824E-09 | 177.018692 | 670.0010376 | 979.4777222 | 979.1158447 | 0.004437366 |
| 8 | 6.28824E-09 | 0.998830736 | 0.998830736 | 0.998885632 | 4.42574E-09 | 0.000110325 | 6.28824E-09 | 177.018692 | 670.0010376 | 979.4777222 | 979.1158447 | 0.004437366 |
| 9 | 1.692802668 | -1.32509E-08 | -1.32509E-08 | -1.39045E-08 | 0.531720102 | 0.581276298 | 0.628639698 | 177.018692 | 670.0010376 | 979.4777222 | 407.872406 | 70.87700653 |
| 10 | 1.692802668 | -1.32409E-08 | -1.32409E-08 | -1.39045E-08 | 0.5303756 | 0.473314911 | 0.628639698 | 177.8499756 | 669.528271 | 979.5188599 | 408.7515564 | 136.2200317 |
| 11 | 1.692802668 | -1.32237E-08 | -1.32237E-08 | -1.39045E-08 | 0.528081954 | 0.493504316 | 0.628639698 | 179.2750549 | 668.703064 | 979.5892944 | 410.2449646 | 121.112915 |
| 12 | 1.692802668 | -1.31944E-08 | -1.31944E-08 | -1.39045E-08 | 0.524196386 | 0.438407272 | 0.628639698 | 181.709549 | 667.3026123 | 979.7097168 | 412.7564697 | 165.358017 |
| 13 | 1.692802668 | -1.313E-08 | -1.313E-08 | -1.39045E-08 | 0.515809357 | 0.472819149 | 0.628639698 | 187.0535431 | 664.2284546 | 979.973999 | 418.097168 | 135.5281383 |
| 14 | 1.692802668 | -1.30212E-08 | -1.30212E-08 | -1.39045E-08 | 0.502100229 | 0.469496667 | 0.628639698 | 196.0535736 | 659.0252075 | 980.4251099 | 426.5670471 | 137.037323 |
| 15 | 1.692802668 | -1.28197E-08 | -1.28197E-08 | -1.39045E-08 | 0.478285164 | 0.464608312 | 0.628639698 | 212.5049591 | 649.3839111 | 981.2662354 | 440.4311829 | 138.8394165 |
| 16 | 1.692802668 | -1.24884E-08 | -1.24884E-08 | -1.39045E-08 | 0.44335106 | 0.458039671 | 0.628639698 | 238.6143186 | 633.4928758 | 982.6505737 | 458.4229431 | 140.5769653 |
| 17 | 1.692802668 | -1.20672E-08 | -1.20672E-08 | -1.39045E-08 | 0.405701965 | 0.451079935 | 0.628639698 | 269.4772339 | 613.2020874 | 984.373291 | 473.7522278 | 141.5224992 |
| 18 | 1.692802668 | -1.14296E-08 | -1.14296E-08 | -1.39045E-08 | 0.359302014 | 0.442101151 | 0.628639698 | 311.4666748 | 582.2327271 | 986.8017578 | 484.9459229 | 141.3248749 |
| 19 | 1.692802668 | -1.09067E-08 | -1.09067E-08 | -1.39045E-08 | 0.327609928 | 0.426449686 | 0.628639698 | 342.697052 | 556.5764771 | 988.5404663 | 486.5074463 | 147.4351349 |
| 20 | 1.692802668 | -1.07792E-08 | -1.07792E-08 | -1.39045E-08 | 0.40117535 | 0.481723785 | 0.628639698 | 246.4544525 | 550.3639526 | 989.0685283 | 428.4429626 | 106.7062225 |
| 21 | 1.692802668 | -1.07865E-08 | -1.07865E-08 | -1.39045E-08 | 0.415456533 | 0.475367576 | 0.628639698 | 232.5562592 | 550.9542847 | 989.4572754 | 418.6737366 | 110.7882004 |
| 22 | 1.692802668 | -1.07925E-08 | -1.07925E-08 | -1.39045E-08 | 0.414997399 | 0.475076288 | 0.628639698 | 233.145874 | 551.3076782 | 989.5409546 | 419.2713623 | 111.0441971 |
| 23 | 6.28824E-09 | 0.998830736 | 0.998830736 | 0.998885632 | 4.42574E-09 | 0.000110325 | 6.28824E-09 | 177.018692 | 670.0010376 | 979.4777222 | 979.1158447 | 0.004437366 |
| 24 | 6.28824E-09 | 0.998830736 | 0.998830736 | 0.998885632 | 4.42574E-09 | 0.000110325 | 6.28824E-09 | 177.018692 | 670.0010376 | 979.4777222 | 979.1158447 | 0.004437366 |
| 25 | 6.28824E-09 | 0.998830736 | 0.998830736 | 0.998885632 | 4.42574E-09 | 0.000110325 | 6.28824E-09 | 177.018692 | 670.0010376 | 979.4777222 | 979.1158447 | 0.004437366 |
| 26 | 6.28824E-09 | 0.998830736 | 0.998830736 | 0.998885632 | 4.42574E-09 | 0.000110325 | 6.28824E-09 | 177.018692 | 670.0010376 | 979.4777222 | 979.1158447 | 0.004437366 |
| 27 | 6.28824E-09 | 0.998830736 | 0.998830736 | 0.998885632 | 4.42574E-09 | 0.000110325 | 6.28824E-09 | 177.018692 | 670.0010376 | 979.4777222 | 979.1158447 | 0.004437366 |
| 28 | 1.692802668 | -1.32509E-08 | -1.32509E-08 | -1.39045E-08 | 0.531720102 | 0.466712922 | 0.628639698 | 177.018692 | 670.0010376 | 979.4777222 | 407.872406 | 141.544632 |
| 29 | 1.692802668 | -1.32409E-08 | -1.32409E-08 | -1.39045E-08 | 0.5303756 | 0.431531906 | 0.628639698 | 177.8499756 | 669.528271 | 979.5188599 | 408.7515564 | 172.4026031 |
| 30 | 1.692802668 | -1.32237E-08 | -1.32237E-08 | -1.39045E-08 | 0.528081954 | 0.439815164 | 0.628639698 | 179.2750549 | 668.703064 | 979.5892944 | 410.2449646 | 164.404892 |
| 31 | 1.692802668 | -1.31944E-08 | -1.31944E-08 | -1.39045E-08 | 0.524196386 | 0.450133383 | 0.628639698 | 181.709549 | 667.3026123 | 979.7097168 | 412.7564697 | 154.831604 |
| 32 | 1.692802668 | -1.313E-08 | -1.313E-08 | -1.39045E-08 | 0.515809357 | 0.461200505 | 0.628639698 | 187.0535431 | 664.2284546 | 979.973999 | 418.097168 | 144.7844696 |
| 33 | 1.692802668 | -1.30212E-08 | -1.30212E-08 | -1.39045E-08 | 0.502100229 | 0.521303415 | 0.628639698 | 196.0535736 | 659.0252075 | 980.4251099 | 426.5670471 | 101.3158052 |
| 34 | 1.692802668 | -1.28197E-08 | -1.28197E-08 | -1.39045E-08 | 0.478285164 | 0.477049708 | 0.628639698 | 212.5049591 | 649.3839111 | 981.2662354 | 440.4311829 | 129.3289948 |
| 35 | 1.692802668 | -1.24884E-08 | -1.24884E-08 | -1.39045E-08 | 0.44335106 | 0.481992602 | 0.628639698 | 238.6143186 | 633.4926758 | 982.6505737 | 458.4229431 | 122.633667 |
| 36 | 1.692802668 | -1.20672E-08 | -1.20672E-08 | -1.39045E-08 | 0.405701965 | 0.475255549 | 0.628639698 | 269.4772339 | 613.2020874 | 984.373291 | 473.7522278 | 123.3843231 |
| 37 | 1.692802668 | -1.14296E-08 | -1.14296E-08 | -1.39045E-08 | 0.359302014 | 0.447248787 | 0.628639698 | 311.4666748 | 582.2327271 | 986.8017578 | 484.9459229 | 137.3019104 |
| 38 | 1.692802668 | -1.09067E-08 | -1.09067E-08 | -1.39045E-08 | 0.327609926 | 0.426845551 | 0.628639698 | 342.697052 | 556.5764771 | 988.5404663 | 486.5074463 | 147.1105652 |
| 39 | 1.692802668 | -1.07792E-08 | -1.07792E-08 | -1.39045E-08 | 0.40117535 | 0.481847793 | 0.628639698 | 246.4544525 | 550.3639526 | 989.0685283 | 428.4429626 | 106.6301422 |
| 40 | 1.692802668 | -1.07865E-08 | -1.07865E-08 | -1.39045E-08 | 0.415456533 | 0.475385159 | 0.628639698 | 232.5562592 | 550.9542847 | 989.4572754 | 418.6737366 | 110.7770462 |
| 41 | 1.692802668 | -1.07925E-08 | -1.07925E-08 | -1.39045E-08 | 0.414997399 | 0.475080699 | 0.628639698 | 233.145874 | 551.3076782 | 989.5409546 | 419.2713623 | 111.0414047 |
| 42 | 6.28824E-09 | 0.998830736 | 0.998830736 | 0.998885632 | 4.42574E-09 | 0.000110325 | 6.28824E-09 | 177.018692 | 670.0010376 | 979.4777222 | 979.1158447 | 0.004437366 |
| 43 | 6.28824E-09 | 0.998830736 | 0.998830736 | 0.998885632 | 4.42574E-09 | 0.000110325 | 6.28824E-09 | 177.018692 | 670.0010376 | 979.4777222 | 979.1158447 | 0.004437366 |
| 44 | 6.28824E-09 | 0.998830736 | 0.998830736 | 0.998885632 | 4.42574E-09 | 0.000110325 | 6.28824E-09 | 177.018692 | 670.0010376 | 979.4777222 | 979.1158447 | 0.004437366 |
| 45 | 6.28824E-09 | 0.998830736 | 0.998830736 | 0.998885632 | 4.42574E-09 | 0.000110325 | 6.28824E-09 | 177.018692 | 670.0010376 | 979.4777222 | 979.1158447 | 0.004437366 |
| 46 | 6.28824E-09 | 0.998830736 | 0.998830736 | 0.998885632 | 4.42574E-09 | 0.000110325 | 6.28824E-09 | 177.018692 | 670.0010376 | 979.4777222 | 979.1158447 | 0.004437366 |
| 47 | 1.692802668 | -1.32509E-08 | -1.32509E-08 | -1.39045E-08 | 0.531720102 | 0.466712922 | 0.628639698 | 177.018692 | 670.0010376 | 979.4777222 | 407.872406 | 141.544632 |
| 48 | 1.692802668 | -1.32409E-08 | -1.32409E-08 | -1.39045E-08 | 0.5303756 | 0.426532 | 0.628639698 | 177.8499756 | 669.528271 | 979.5188599 | 408.7515564 | 177.2729797 |
| 49 | 1.692802668 | -1.32237E-08 | -1.32237E-08 | -1.39045E-08 | 0.528081954 | 0.426058769 | 0.628639698 | 179.2750549 | 668.703064 | 979.5892944 | 410.2449646 | 177.5229034 |

| Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ |
|----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1 | | | | | | | | | | | |
| 2 | | | | | | | | | | | |
| 3 | rh03 | rh03 | rh03 | rh03 | rh03 | rh03 | rh03 | rh03 | rh03 | rh03 | rh03 |
| 4 | 979.0078125 | 124.2693405 | 701.2115479 | 976.9187622 | 976.6115112 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 3822.950684 | 4153.25293 |
| 5 | 979.0078125 | 124.2693405 | 701.2115479 | 976.9187622 | 976.6115112 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 3822.950684 | 4153.25293 |
| 6 | 979.0078125 | 124.2693405 | 701.2115479 | 976.9187622 | 976.6115112 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 3822.950684 | 4153.25293 |
| 7 | 979.0078125 | 124.2693405 | 701.2115479 | 976.9187622 | 976.6115112 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 3822.950684 | 4153.25293 |
| 8 | 979.0078125 | 124.2693405 | 701.2115479 | 976.9187622 | 976.6115112 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 3822.950684 | 4153.25293 |
| 9 | 321.7444458 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 3822.950684 | 2508.717529 |
| 10 | 417.1026611 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3192.501953 | 1235.87793 | 2304.216797 | 2304.216797 | 3822.730225 | 2509.205566 |
| 11 | 398.4649658 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3193.681885 | 1229.616943 | 2304.950928 | 2304.950928 | 3822.352539 | 2510.042725 |
| 12 | 447.24946 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3195.697266 | 1218.538574 | 2306.205322 | 2306.205322 | 3821.707031 | 2511.472656 |
| 13 | 414.2478638 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3200.121338 | 1192.51001 | 2308.958496 | 2308.958496 | 3820.290771 | 2514.611328 |
| 14 | 413.9536438 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3203.223389 | 1200.164917 | 2313.69751 | 2313.69751 | 3817.894043 | 2518.972656 |
| 15 | 412.1806946 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3200.18457 | 1226.354492 | 2322.729736 | 2322.729736 | 3813.456787 | 2525.219238 |
| 16 | 407.7177429 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3176.203857 | 1258.292969 | 2338.524658 | 2338.524658 | 3806.248047 | 2531.835205 |
| 17 | 400.4371033 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3125.195557 | 1258.618774 | 2361.029053 | 2361.029053 | 3797.438721 | 2537.375244 |
| 18 | 387.3068542 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3032.729492 | 1264.286499 | 2401.762207 | 2401.762207 | 3785.311523 | 2537.370117 |
| 19 | 392.0982666 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 2954.208008 | 1205.123413 | 2442.127197 | 2442.127197 | 3776.839111 | 2560.299581 |
| 20 | 336.6434631 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3124.78125 | 2452.647949 | 2318.862549 | 2318.862549 | 3774.304199 | 2607.755615 |
| 21 | 341.7135925 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3150.67041 | 1426.004761 | 2451.246338 | 2451.246338 | 3772.032471 | 2612.651855 |
| 22 | 342.1489258 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3149.888672 | 1423.199951 | 2450.54126 | 2450.54126 | 3772.032471 | 2611.929199 |
| 23 | 979.0078125 | 124.2693405 | 701.2115479 | 976.9187622 | 976.6115112 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 3822.950684 | 4153.25293 |
| 24 | 979.0078125 | 124.2693405 | 701.2115479 | 976.9187622 | 976.6115112 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 3822.950684 | 4153.25293 |
| 25 | 979.0078125 | 124.2693405 | 701.2115479 | 976.9187622 | 976.6115112 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 3822.950684 | 4153.25293 |
| 26 | 979.0078125 | 124.2693405 | 701.2115479 | 976.9187622 | 976.6115112 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 3822.950684 | 4153.25293 |
| 27 | 979.0078125 | 124.2693405 | 701.2115479 | 976.9187622 | 976.6115112 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 3822.950684 | 4153.25293 |
| 28 | 423.3636169 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 3822.950684 | 2508.717529 |
| 29 | 454.9985728 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3192.501953 | 1235.87793 | 2304.216797 | 2304.216797 | 3822.730225 | 2509.205566 |
| 30 | 446.9050598 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3195.697266 | 1229.616943 | 2304.950928 | 2304.950928 | 3822.352539 | 2510.042725 |
| 31 | 436.6222839 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3195.697266 | 1218.538574 | 2306.205322 | 2306.205322 | 3821.707031 | 2511.472656 |
| 32 | 424.660614 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3200.121338 | 1192.51001 | 2308.958496 | 2308.958496 | 3820.290771 | 2514.611328 |
| 33 | 368.2893066 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3203.223389 | 1200.164917 | 2313.69751 | 2313.69751 | 3817.894043 | 2518.972656 |
| 34 | 401.2918701 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3200.18457 | 1226.354492 | 2322.729736 | 2322.729736 | 3813.456787 | 2525.219238 |
| 35 | 387.2623901 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3176.203857 | 1258.292969 | 2338.524658 | 2338.524658 | 3806.248047 | 2531.835205 |
| 36 | 380.4134827 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3125.195557 | 1258.618774 | 2361.029053 | 2361.029053 | 3797.438721 | 2537.375244 |
| 37 | 383.2379456 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3032.729492 | 1264.286499 | 2401.762207 | 2401.762207 | 3785.311523 | 2547.370117 |
| 38 | 381.79776 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 2954.208008 | 1205.123413 | 2442.127197 | 2442.127197 | 3776.839111 | 2560.299581 |
| 39 | 336.5517883 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3124.78125 | 2452.647949 | 2318.862549 | 2318.862549 | 3774.304199 | 2607.755615 |
| 40 | 341.7005615 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3150.67041 | 1426.004761 | 2451.246338 | 2451.246338 | 3772.032471 | 2612.651855 |
| 41 | 342.1489258 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3149.888672 | 1423.199951 | 2450.54126 | 2450.54126 | 3772.032471 | 2611.929199 |
| 42 | 979.0078125 | 124.2693405 | 701.2115479 | 976.9187622 | 976.6115112 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 3822.950684 | 4153.25293 |
| 43 | 979.0078125 | 124.2693405 | 701.2115479 | 976.9187622 | 976.6115112 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 3822.950684 | 4153.25293 |
| 44 | 979.0078125 | 124.2693405 | 701.2115479 | 976.9187622 | 976.6115112 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 3822.950684 | 4153.25293 |
| 45 | 979.0078125 | 124.2693405 | 701.2115479 | 976.9187622 | 976.6115112 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 3822.950684 | 4153.25293 |
| 46 | 979.0078125 | 124.2693405 | 701.2115479 | 976.9187622 | 976.6115112 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 3822.950684 | 4153.25293 |
| 47 | 423.3636169 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3191.813721 | 1235.87793 | 2304.216797 | 2304.216797 | 3822.730225 | 2509.205566 |
| 48 | 459.5825 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3192.501953 | 1235.87793 | 2304.216797 | 2304.216797 | 3822.730225 | 2509.205566 |
| 49 | 459.4314575 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3193.681885 | 1229.616943 | 2304.950928 | 2304.950928 | 3822.352539 | 2510.042725 |

| | AX | AY | AZ | BA | BB |
|----|------|------|------|------|-------|
| 1 | | | | | |
| 2 | | | | | |
| 3 | ssg1 | ssl1 | ssg2 | ssl2 | dsldp |
| 4 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 |
| 8 | 0 | 0 | 0 | 0 | 0 |
| 9 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0 | 0 | 0 | 0 | 0 |
| 14 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0 | 0 | 0 | 0 | 0 |
| 16 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0 | 0 | 0 | 0 | 0 |
| 18 | 0 | 0 | 0 | 0 | 0 |
| 19 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0 | 0 | 0 | 0 | 0 |
| 22 | 0 | 0 | 0 | 0 | 0 |
| 23 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0 | 0 | 0 | 0 | 0 |
| 26 | 0 | 0 | 0 | 0 | 0 |
| 27 | 0 | 0 | 0 | 0 | 0 |
| 28 | 0 | 0 | 0 | 0 | 0 |
| 29 | 0 | 0 | 0 | 0 | 0 |
| 30 | 0 | 0 | 0 | 0 | 0 |
| 31 | 0 | 0 | 0 | 0 | 0 |
| 32 | 0 | 0 | 0 | 0 | 0 |
| 33 | 0 | 0 | 0 | 0 | 0 |
| 34 | 0 | 0 | 0 | 0 | 0 |
| 35 | 0 | 0 | 0 | 0 | 0 |
| 36 | 0 | 0 | 0 | 0 | 0 |
| 37 | 0 | 0 | 0 | 0 | 0 |
| 38 | 0 | 0 | 0 | 0 | 0 |
| 39 | 0 | 0 | 0 | 0 | 0 |
| 40 | 0 | 0 | 0 | 0 | 0 |
| 41 | 0 | 0 | 0 | 0 | 0 |
| 42 | 0 | 0 | 0 | 0 | 0 |
| 43 | 0 | 0 | 0 | 0 | 0 |
| 44 | 0 | 0 | 0 | 0 | 0 |
| 45 | 0 | 0 | 0 | 0 | 0 |
| 46 | 0 | 0 | 0 | 0 | 0 |
| 47 | 0 | 0 | 0 | 0 | 0 |
| 48 | 0 | 0 | 0 | 0 | 0 |
| 49 | 0 | 0 | 0 | 0 | 0 |

| A | B | C | D | E | F | G | H | I | J | K | L |
|-----------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|-------------|
| 50 GOM 8 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 1.101707578 | 1.124843955 |
| 51 GOM 9 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 1.085302134 | 1.110255003 |
| 52 GOM 10 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 1.008436441 | 1.088026404 |
| 53 GOM 11 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.916755915 | 1.061425924 |
| 54 GOM 12 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.796464384 | 1.078243852 |
| 55 GOM 13 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.682657421 | 1.490956187 |
| 56 GOM 14 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.560797751 | 1.272158742 |
| 57 GOM 15 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.48723191 | 1.13501668 |
| 58 GOM 16 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.669937909 | 1.548428893 |
| 59 GOM 17 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.710736752 | 1.492062569 |
| 60 GOM 18 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.709394097 | 1.489465117 |
| 61 Water | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 4.42574E-09 | 0.000176555 |
| 62 Water | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 4.42574E-09 | 0.000176555 |
| 63 Water | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 4.42574E-09 | 0.000176555 |
| 64 Water | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 4.42574E-09 | 0.000176555 |
| 65 Water | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 8.0015E-10 | 0.000800132 | 0.999199867 | 4.42574E-09 | 0.000176555 |
| 66 GOM 5 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 1.135475039 | 1.420048952 |
| 67 GOM 6 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 1.129361153 | 1.129547119 |
| 68 GOM 7 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 1.119011879 | 1.119565368 |
| 69 GOM 8 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 1.101707578 | 1.102853656 |
| 70 GOM 9 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 1.065302134 | 1.067496777 |
| 71 GOM 10 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 1.008436441 | 1.012259503 |
| 72 GOM 11 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.916755915 | 0.923507154 |
| 73 GOM 12 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.796464384 | 0.80895102 |
| 74 GOM 13 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.682657421 | 0.708854914 |
| 75 GOM 14 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.560797751 | 0.618012547 |
| 76 GOM 15 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.48723191 | 0.715703011 |
| 77 GOM 16 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.669937909 | 0.695592761 |
| 78 GOM 17 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.710736752 | 1.492062569 |
| 79 GOM 18 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.230769232 | 0.769230783 | -1.49012E-08 | 0.709394097 | 1.489465117 |

| | M | N | O | P | Q | R | S | T | U | V | W | X |
|----|-------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| 50 | 1.692802668 | -1.31944E-08 | -1.31944E-08 | -1.39045E-08 | 0.524196386 | 0.425228029 | 0.628639698 | 181.709549 | 667.3026123 | 979.7097168 | 412.7564697 | 177.9720459 |
| 51 | 1.692802668 | -1.313E-08 | -1.313E-08 | -1.39045E-08 | 0.515809357 | 0.422880977 | 0.628639698 | 187.0535431 | 664.2284546 | 979.973999 | 418.097168 | 179.4798552 |
| 52 | 1.692802668 | -1.30212E-08 | -1.30212E-08 | -1.39045E-08 | 0.502100229 | 0.419241637 | 0.628639698 | 196.0535736 | 659.0252075 | 980.4251099 | 426.3670471 | 181.7120972 |
| 53 | 1.692802668 | -1.28197E-08 | -1.28197E-08 | -1.39045E-08 | 0.478285164 | 0.414782614 | 0.628639698 | 212.5049591 | 649.3639111 | 981.2662354 | 440.4311829 | 183.5408851 |
| 54 | 1.692802668 | -1.24884E-08 | -1.24884E-08 | -1.39045E-08 | 0.44335106 | 0.417615205 | 0.628639698 | 238.6143188 | 633.4926758 | 982.6505737 | 458.4229431 | 178.2567902 |
| 55 | 1.692802668 | -1.20672E-08 | -1.20672E-08 | -1.39045E-08 | 0.405701965 | 0.475255549 | 0.628639698 | 269.4772339 | 613.2020874 | 984.373291 | 473.7522278 | 123.3843331 |
| 56 | 1.692802668 | -1.14296E-08 | -1.14296E-08 | -1.39045E-08 | 0.359302014 | 0.447248787 | 0.628639698 | 311.4666748 | 582.2327271 | 986.8017578 | 484.9459229 | 137.30719104 |
| 57 | 1.692802668 | -1.09067E-08 | -1.09067E-08 | -1.39045E-08 | 0.327609826 | 0.426845551 | 0.628639698 | 342.697052 | 556.5764771 | 988.5404663 | 486.5074463 | 147.1105662 |
| 58 | 1.692802668 | -1.07792E-08 | -1.07792E-08 | -1.39045E-08 | 0.40117535 | 0.481847793 | 0.628639698 | 246.4544525 | 550.3639526 | 989.0665283 | 428.4429626 | 106.6301422 |
| 59 | 1.692802668 | -1.07865E-08 | -1.07865E-08 | -1.39045E-08 | 0.415456533 | 0.475385159 | 0.628639698 | 232.5562592 | 550.9542847 | 989.4572754 | 418.6737366 | 110.7770462 |
| 60 | 1.692802668 | -1.07925E-08 | -1.07925E-08 | -1.39045E-08 | 0.414997399 | 0.475080699 | 0.628639698 | 233.145874 | 551.3076782 | 989.5409546 | 419.2713623 | 111.0414047 |
| 61 | 6.28824E-09 | 0.998830736 | 0.998830736 | 0.998885632 | 4.42574E-09 | 0.000110325 | 6.28824E-09 | 177.018692 | 670.0010376 | 979.4777222 | 979.1158447 | 0.004437366 |
| 62 | 6.28824E-09 | 0.998830736 | 0.998830736 | 0.998885632 | 4.42574E-09 | 0.000110325 | 6.28824E-09 | 177.018692 | 670.0010376 | 979.4777222 | 979.1158447 | 0.004437366 |
| 63 | 6.28824E-09 | 0.998830736 | 0.998830736 | 0.998885632 | 4.42574E-09 | 0.000110325 | 6.28824E-09 | 177.018692 | 670.0010376 | 979.4777222 | 979.1158447 | 0.004437366 |
| 64 | 6.28824E-09 | 0.998830736 | 0.998830736 | 0.998885632 | 4.42574E-09 | 0.000110325 | 6.28824E-09 | 177.018692 | 670.0010376 | 979.4777222 | 979.1158447 | 0.004437366 |
| 65 | 6.28824E-09 | 0.998830736 | 0.998830736 | 0.998885632 | 4.42574E-09 | 0.000110325 | 6.28824E-09 | 177.018692 | 670.0010376 | 979.4777222 | 979.1158447 | 0.004437366 |
| 66 | 1.692802668 | -1.32509E-08 | -1.32509E-08 | -1.39045E-08 | 0.531720102 | 0.466712922 | 0.628639698 | 177.018692 | 670.0010376 | 979.4777222 | 407.872406 | 141.544632 |
| 67 | 1.692802668 | -1.32409E-08 | -1.32409E-08 | -1.39045E-08 | 0.5303756 | 0.425977767 | 0.628639698 | 177.8499756 | 669.5228271 | 979.5188599 | 408.7515564 | 177.820694 |
| 68 | 1.692802668 | -1.32237E-08 | -1.32237E-08 | -1.39045E-08 | 0.528081954 | 0.424382538 | 0.628639698 | 179.2750549 | 668.703064 | 979.5892944 | 410.2449646 | 179.1864319 |
| 69 | 1.692802668 | -1.31944E-08 | -1.31944E-08 | -1.39045E-08 | 0.524196386 | 0.421677798 | 0.628639698 | 181.709549 | 667.3026123 | 979.7097168 | 412.7564697 | 181.5207214 |
| 70 | 1.692802668 | -1.313E-08 | -1.313E-08 | -1.39045E-08 | 0.515809357 | 0.415810466 | 0.628639698 | 187.0535431 | 664.2284546 | 979.973999 | 418.097168 | 186.6689911 |
| 71 | 1.692802668 | -1.30212E-08 | -1.30212E-08 | -1.39045E-08 | 0.502100229 | 0.40622592 | 0.628639698 | 196.0535736 | 659.0252075 | 980.4251099 | 426.3670471 | 195.3136902 |
| 72 | 1.692802668 | -1.28197E-08 | -1.28197E-08 | -1.39045E-08 | 0.478285164 | 0.389647335 | 0.628639698 | 212.5049591 | 649.3639111 | 981.2662354 | 440.4311829 | 210.9514465 |
| 73 | 1.692802668 | -1.24884E-08 | -1.24884E-08 | -1.39045E-08 | 0.44335106 | 0.365740627 | 0.628639698 | 238.6143188 | 633.4926758 | 982.6505737 | 458.4229431 | 234.9311676 |
| 74 | 1.692802668 | -1.20672E-08 | -1.20672E-08 | -1.39045E-08 | 0.405701965 | 0.342052877 | 0.628639698 | 269.4772339 | 613.2020874 | 984.373291 | 473.7522278 | 259.5180359 |
| 75 | 1.692802668 | -1.14296E-08 | -1.14296E-08 | -1.39045E-08 | 0.359302014 | 0.317780852 | 0.628639698 | 311.4666748 | 582.2327271 | 986.8017578 | 484.9459229 | 282.6315002 |
| 76 | 1.692802668 | -1.09067E-08 | -1.09067E-08 | -1.39045E-08 | 0.327609826 | 0.343768856 | 0.628639698 | 342.697052 | 556.5764771 | 988.5404663 | 486.5074463 | 233.2992096 |
| 77 | 1.692802668 | -1.07792E-08 | -1.07792E-08 | -1.39045E-08 | 0.40117535 | 0.338687152 | 0.628639698 | 246.4544525 | 550.3639526 | 989.0665283 | 428.4429626 | 237.3647308 |
| 78 | 1.692802668 | -1.07865E-08 | -1.07865E-08 | -1.39045E-08 | 0.415456533 | 0.475385159 | 0.628639698 | 232.5562592 | 550.9542847 | 989.4572754 | 418.6737366 | 110.7770462 |
| 79 | 1.692802668 | -1.07925E-08 | -1.07925E-08 | -1.39045E-08 | 0.414997399 | 0.475080699 | 0.628639698 | 233.145874 | 551.3076782 | 989.5409546 | 419.2713623 | 111.0414047 |

| | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ |
|----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 50 | 459.2255554 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3195.697266 | 1218.538574 | 2306.205322 | 2306.205322 | 4153.703125 | 3821.707031 | 2511.472656 |
| 51 | 459.2375488 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3200.121338 | 1192.51001 | 2308.958496 | 2308.958496 | 4152.528809 | 3820.290771 | 2514.611328 |
| 52 | 458.9156798 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3203.223389 | 1200.164917 | 2313.69751 | 2313.69751 | 4150.538086 | 3817.894043 | 2518.972656 |
| 53 | 456.1603699 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3200.18457 | 1226.354492 | 2322.729736 | 2322.729736 | 4146.839355 | 3813.456787 | 2525.219238 |
| 54 | 442.5440063 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3176.203957 | 1258.292969 | 2338.524658 | 2338.524658 | 4140.802246 | 3806.248047 | 2531.835205 |
| 55 | 380.4134827 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3125.195557 | 1258.618774 | 2361.029053 | 2361.029053 | 4133.376465 | 3797.438721 | 2537.375244 |
| 56 | 383.2379456 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3032.729492 | 1264.286499 | 2401.762207 | 2401.762207 | 4123.071289 | 3785.311523 | 2547.370117 |
| 57 | 381.79776 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 2954.208008 | 1205.123413 | 2442.127197 | 2442.127197 | 4115.816895 | 3776.839111 | 2560.298561 |
| 58 | 336.5517883 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3124.78125 | 3124.78125 | 2452.647949 | 2318.862549 | 4113.637695 | 3774.304199 | 2607.755615 |
| 59 | 341.7005615 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3150.67041 | 1426.004761 | 2451.246338 | 1913.157715 | 4112.026367 | 3772.432617 | 2612.651855 |
| 60 | 342.1456604 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3149.888672 | 1423.199951 | 2450.54126 | 1912.035156 | 4111.681641 | 3772.032471 | 2611.929199 |
| 61 | 979.0078125 | 124.2693405 | 701.2115479 | 976.9187622 | 976.6115112 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 4154.733887 | 3822.950684 | 4153.25293 |
| 62 | 979.0078125 | 124.2693405 | 701.2115479 | 976.9187622 | 976.6115112 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 4154.733887 | 3822.950684 | 4153.25293 |
| 63 | 979.0078125 | 124.2693405 | 701.2115479 | 976.9187622 | 976.6115112 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 4154.733887 | 3822.950684 | 4153.25293 |
| 64 | 979.0078125 | 124.2693405 | 701.2115479 | 976.9187622 | 976.6115112 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 4154.733887 | 3822.950684 | 4153.25293 |
| 65 | 979.0078125 | 124.2693405 | 701.2115479 | 976.9187622 | 976.6115112 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 4154.733887 | 3822.950684 | 4153.25293 |
| 66 | 423.3636169 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3191.813721 | 1239.454468 | 2303.788574 | 2303.788574 | 4154.733887 | 3822.950684 | 2508.717529 |
| 67 | 460.0886646 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3192.501953 | 1235.87793 | 2304.216797 | 2304.216797 | 4154.55127 | 3822.730225 | 2509.205566 |
| 68 | 460.9607544 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3193.681885 | 1229.616943 | 2304.950928 | 2304.950928 | 4154.238281 | 3822.352539 | 2510.042725 |
| 69 | 462.4591675 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3195.697266 | 1218.538574 | 2306.205322 | 2306.205322 | 4153.703125 | 3821.707031 | 2511.472656 |
| 70 | 465.6542358 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3200.121338 | 1192.51001 | 2308.958496 | 2308.958496 | 4152.528809 | 3820.290771 | 2514.611328 |
| 71 | 470.6535645 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3203.223389 | 1200.164917 | 2313.69751 | 2313.69751 | 4150.538086 | 3817.894043 | 2518.972656 |
| 72 | 478.5498657 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3200.18457 | 1226.354492 | 2322.729736 | 2322.729736 | 4148.839355 | 3813.456787 | 2525.219238 |
| 73 | 487.7225342 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3176.203957 | 1258.292969 | 2338.524658 | 2338.524658 | 4140.802246 | 3806.248047 | 2531.835205 |
| 74 | 492.2234192 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3125.195557 | 1258.618774 | 2361.029053 | 2361.029053 | 4133.376465 | 3797.438721 | 2537.375244 |
| 75 | 487.025177 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3032.729492 | 1264.286499 | 2401.762207 | 2401.762207 | 4123.071289 | 3785.311523 | 2547.370117 |
| 76 | 445.4438782 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 2954.208008 | 1205.123413 | 2442.127197 | 2442.127197 | 4115.816895 | 3776.839111 | 2560.298561 |
| 77 | 444.3551331 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3124.78125 | 3124.78125 | 2452.647949 | 2318.862549 | 4113.637695 | 3774.304199 | 2607.755615 |
| 78 | 341.7005615 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3150.67041 | 1426.004761 | 2451.246338 | 1913.157715 | 4112.026367 | 3772.432617 | 2612.651855 |
| 79 | 342.1456604 | 124.2693405 | 701.2115479 | 976.9187622 | 338.5227661 | 3149.888672 | 1423.199951 | 2450.54126 | 1912.035156 | 4111.681641 | 3772.032471 | 2611.929199 |

| | AK | AL | AM | AN | AO | AP | AQ | AR | AS | AT | AU | AV | AW |
|----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----|----|
| 50 | 2055.205322 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.222005725 | 1.203466177 | 0 | 0 |
| 51 | 2051.316406 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.225852489 | 1.203466177 | 0 | 0 |
| 52 | 2056.728516 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.2247473 | 1.203466177 | 0 | 0 |
| 53 | 2069.719971 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.220077753 | 1.203466177 | 0 | 0 |
| 54 | 2089.240479 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.211844802 | 1.203466177 | 0 | 0 |
| 55 | 2106.626709 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.204473138 | 1.203466177 | 0 | 0 |
| 56 | 2139.267822 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.190767288 | 1.203466177 | 0 | 0 |
| 57 | 2156.664795 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.187157035 | 1.203466177 | 0 | 0 |
| 58 | 2504.84375 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.041085124 | 1.203466177 | 0 | 0 |
| 59 | 1800.737793 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.45087862 | 1.203466177 | 0 | 0 |
| 60 | 1799.227051 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.451695085 | 1.203466177 | 0 | 0 |
| 61 | 3821.735107 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 4164.690918 | 3835.636475 | 1.086745381 | 1.085788727 | 0 | 0 |
| 62 | 3821.735107 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 4164.690918 | 3835.636475 | 1.086745381 | 1.085788727 | 0 | 0 |
| 63 | 3821.735107 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 4164.690918 | 3835.636475 | 1.086745381 | 1.085788727 | 0 | 0 |
| 64 | 3821.735107 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 4164.690918 | 3835.636475 | 1.086745381 | 1.085788727 | 0 | 0 |
| 65 | 3821.735107 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 4164.690918 | 3835.636475 | 1.086745381 | 1.085788727 | 0 | 0 |
| 66 | 2058.173096 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.218905091 | 1.203466177 | 0 | 0 |
| 67 | 2057.677002 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.219436049 | 1.203466177 | 0 | 0 |
| 68 | 2056.796875 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.220364809 | 1.203466177 | 0 | 0 |
| 69 | 2055.205322 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.222005725 | 1.203466177 | 0 | 0 |
| 70 | 2051.316406 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.225852489 | 1.203466177 | 0 | 0 |
| 71 | 2056.728516 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.2247473 | 1.203466177 | 0 | 0 |
| 72 | 2069.719971 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.220077753 | 1.203466177 | 0 | 0 |
| 73 | 2089.240479 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.211844802 | 1.203466177 | 0 | 0 |
| 74 | 2106.626709 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.204473138 | 1.203466177 | 0 | 0 |
| 75 | 2139.267822 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.190767288 | 1.203466177 | 0 | 0 |
| 76 | 2156.664795 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.187157035 | 1.203466177 | 0 | 0 |
| 77 | 2504.84375 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.041085124 | 1.203466177 | 0 | 0 |
| 78 | 1800.737793 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.45087862 | 1.203466177 | 0 | 0 |
| 79 | 1799.227051 | 3052.470459 | 1253.353394 | 2276.696289 | 2276.696289 | 4166.202637 | 3836.884766 | 2455.721191 | 2040.540161 | 1.451695085 | 1.203466177 | 0 | 0 |

| | AX | AY | AZ | BA | BB |
|----|----|----|----|----|----|
| 50 | 0 | 0 | 0 | 0 | 0 |
| 51 | 0 | 0 | 0 | 0 | 0 |
| 52 | 0 | 0 | 0 | 0 | 0 |
| 53 | 0 | 0 | 0 | 0 | 0 |
| 54 | 0 | 0 | 0 | 0 | 0 |
| 55 | 0 | 0 | 0 | 0 | 0 |
| 56 | 0 | 0 | 0 | 0 | 0 |
| 57 | 0 | 0 | 0 | 0 | 0 |
| 58 | 0 | 0 | 0 | 0 | 0 |
| 59 | 0 | 0 | 0 | 0 | 0 |
| 60 | 0 | 0 | 0 | 0 | 0 |
| 61 | 0 | 0 | 0 | 0 | 0 |
| 62 | 0 | 0 | 0 | 0 | 0 |
| 63 | 0 | 0 | 0 | 0 | 0 |
| 64 | 0 | 0 | 0 | 0 | 0 |
| 65 | 0 | 0 | 0 | 0 | 0 |
| 66 | 0 | 0 | 0 | 0 | 0 |
| 67 | 0 | 0 | 0 | 0 | 0 |
| 68 | 0 | 0 | 0 | 0 | 0 |
| 69 | 0 | 0 | 0 | 0 | 0 |
| 70 | 0 | 0 | 0 | 0 | 0 |
| 71 | 0 | 0 | 0 | 0 | 0 |
| 72 | 0 | 0 | 0 | 0 | 0 |
| 73 | 0 | 0 | 0 | 0 | 0 |
| 74 | 0 | 0 | 0 | 0 | 0 |
| 75 | 0 | 0 | 0 | 0 | 0 |
| 76 | 0 | 0 | 0 | 0 | 0 |
| 77 | 0 | 0 | 0 | 0 | 0 |
| 78 | 0 | 0 | 0 | 0 | 0 |
| 79 | 0 | 0 | 0 | 0 | 0 |