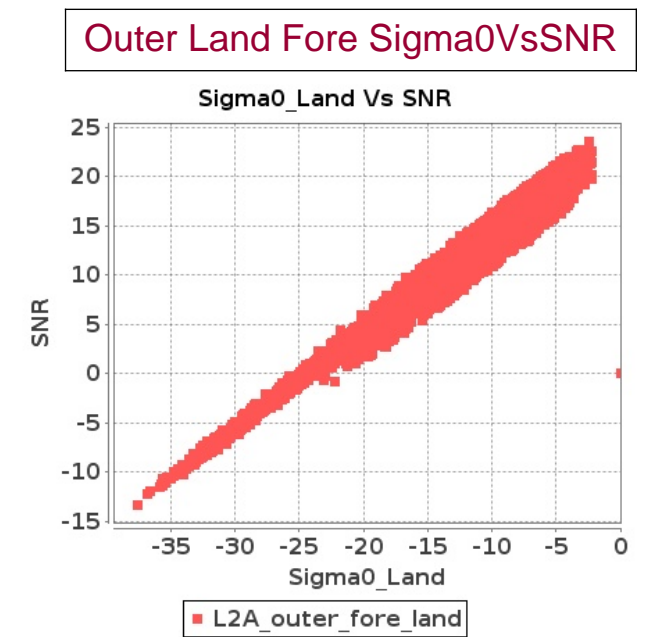
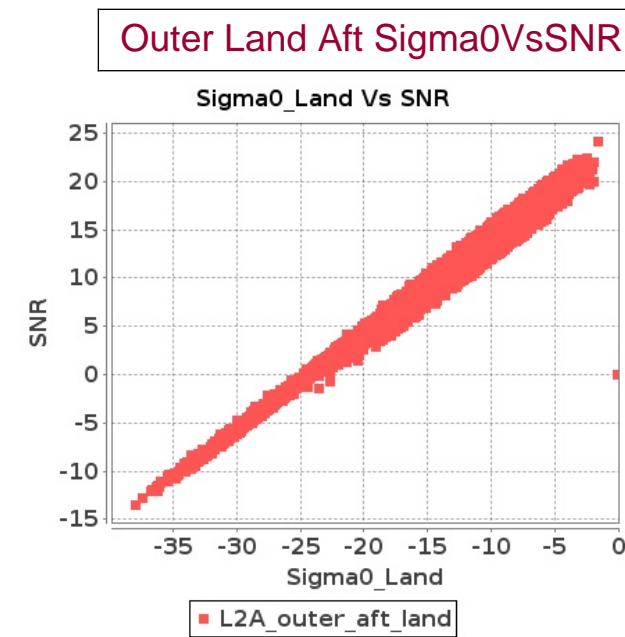
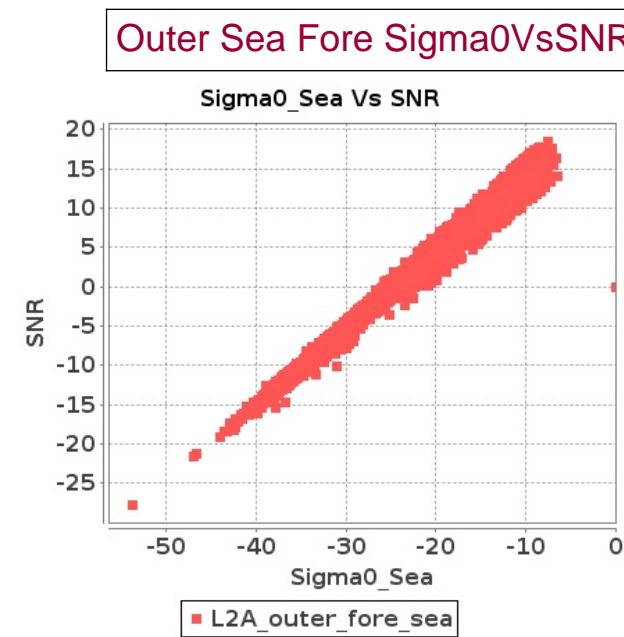
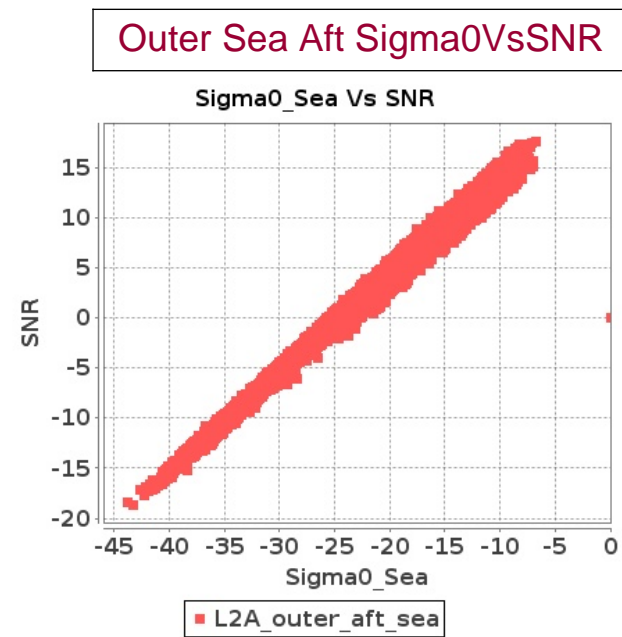
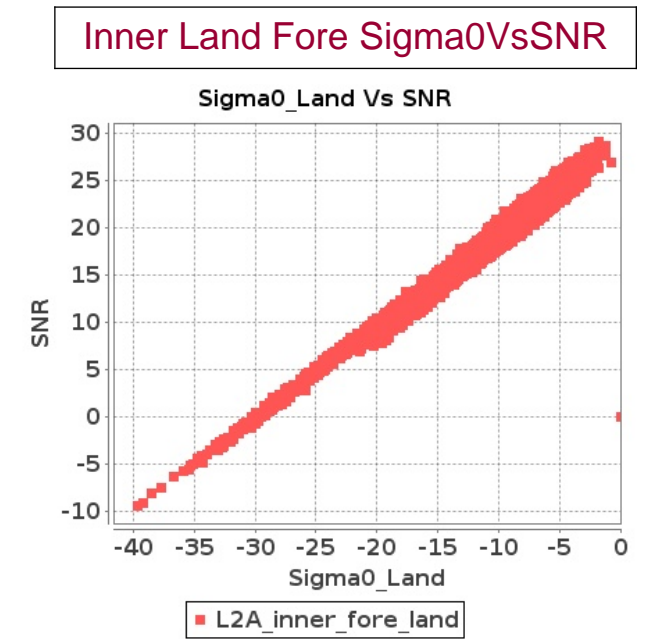
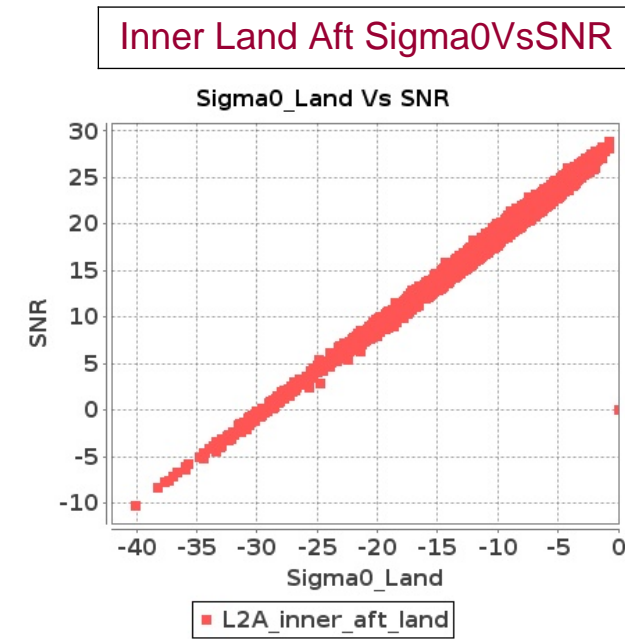
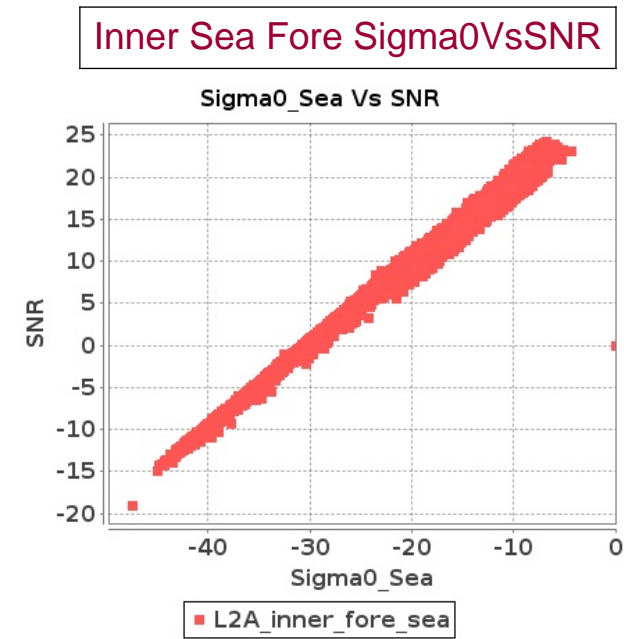
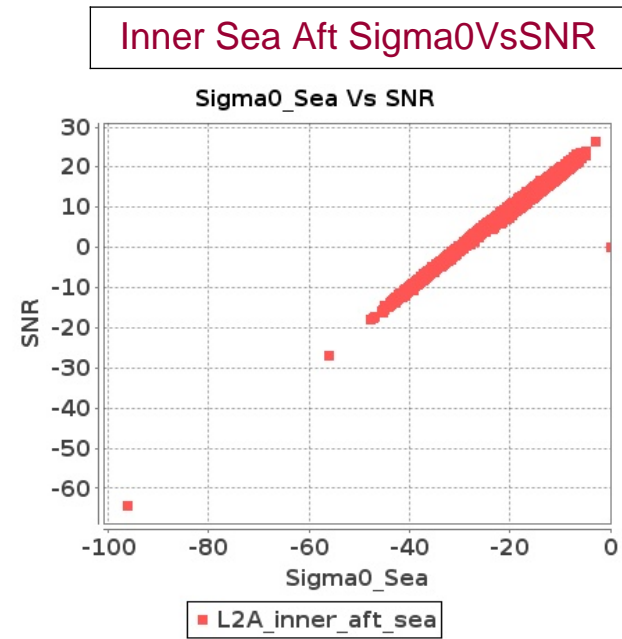


# SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 14-JAN-2020 To 15-JAN-2020



# SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 14-JAN-2020 To 15-JAN-2020

| Sr No | Start Orbit | End Orbit | Dir. | Ver. | SNR       |        |            |            |        |            |           |        |            |            |        |            | Sigma0    |        |            |            |        |            |           |        |            |            |        |            |
|-------|-------------|-----------|------|------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|
|       |             |           |      |      | Inner Aft |        |            | Inner Fore |        |            | Outer Aft |        |            | Outer Fore |        |            | Inner Aft |        |            | Inner Fore |        |            | Outer Aft |        |            | Outer Fore |        |            |
|       |             |           |      |      | Min       | Max    | BadOcc (%) | Min        | Max    | BadOcc (%) | Min       | Max    | BadOcc (%) | Min        | Max    | BadOcc (%) | Min       | Max    | BadOcc (%) | Min        | Max    | BadOcc (%) | Min       | Max    | BadOcc (%) | Min        | Max    | BadOcc (%) |
| 1     | 17469       | 17470     | SN   | 1    | 0.0       | 46.84  | 0.855      | 0.0        | 45.072 | 0.902      | 0.0       | 39.467 | 1.043      | 0.0        | 43.842 | 1.277      | 0.0       | 47.514 | 0.852      | 0.0        | 44.336 | 0.86       | 0.0       | 40.534 | 0.961      | 0.0        | 43.717 | 1.069      |
| 2     | 17469       | 17470     | SN   | 1    | 0.0       | 44.798 | 3.107      | 0.0        | 49.103 | 2.841      | 0.0       | 44.532 | 3.255      | 0.0        | 41.443 | 4.009      | 0.0       | 44.757 | 3.066      | 0.0        | 48.906 | 2.659      | 0.0       | 42.426 | 3.184      | 0.0        | 40.91  | 3.39       |
| 3     | 17469       | 17470     | SN   | 1    | 0.0       | 48.537 | 0.829      | 0.0        | 45.072 | 0.864      | 0.0       | 38.989 | 0.996      | 0.0        | 41.139 | 1.223      | 0.0       | 49.229 | 0.829      | 0.0        | 44.336 | 0.83       | 0.0       | 41.136 | 0.911      | 0.0        | 41.02  | 1.019      |
| 4     | 17469       | 17470     | SN   | 1    | 0.0       | 46.84  | 0.814      | 0.0        | 45.072 | 0.859      | 0.0       | 39.467 | 0.989      | 0.0        | 43.842 | 1.218      | 0.0       | 47.514 | 0.823      | 0.0        | 44.336 | 0.816      | 0.0       | 40.534 | 0.92       | 0.0        | 43.717 | 1.017      |
| 5     | 17469       | 17470     | SN   | 1    | 0.0       | 44.798 | 3.086      | 0.0        | 49.102 | 2.841      | 0.0       | 45.763 | 3.312      | 0.0        | 41.302 | 3.995      | 0.0       | 44.806 | 3.117      | 0.0        | 46.446 | 2.649      | 0.0       | 46.027 | 3.163      | 0.0        | 40.431 | 3.375      |
| 6     | 17469       | 17470     | SN   | 1    | 0.0       | 48.839 | 3.254      | 0.0        | 49.103 | 2.975      | 0.0       | 44.532 | 3.436      | 0.0        | 41.443 | 4.207      | 0.0       | 49.648 | 3.222      | 0.0        | 48.906 | 2.783      | 0.0       | 42.426 | 3.354      | 0.0        | 40.91  | 3.556      |
| 7     | 17470       | 17471     | SN   | 1    | 0.0       | 50.278 | 1.029      | 0.0        | 43.183 | 1.551      | 0.0       | 43.709 | 1.245      | 0.0        | 42.321 | 1.099      | 0.0       | 49.597 | 1.016      | 0.0        | 42.639 | 1.416      | 0.0       | 41.701 | 1.232      | 0.0        | 40.748 | 0.995      |
| 8     | 17470       | 17471     | NS   | 1    | 0.0       | 46.07  | 1.156      | 0.0        | 49.244 | 1.515      | 0.0       | 41.452 | 1.02       | 0.0        | 42.723 | 1.503      | 0.0       | 45.493 | 1.178      | 0.0        | 46.438 | 1.527      | 0.0       | 41.212 | 1.039      | 0.0        | 42.186 | 1.365      |
| 9     | 17470       | 17471     | NS   | 1    | 0.0       | 12.387 | 0.0        | 0.0        | 15.919 | 0.0        | 0.255     | 1.858  | 0.0        | 0.0        | 25.242 | 1.19       | 0.0       | 10.886 | 0.0        | 0.0        | 13.408 | 0.0        | 0.196     | 1.88   | 0.0        | 0.0        | 21.006 | 0.198      |
| 10    | 17470       | 17471     | SN   | 1    | 0.0       | 50.278 | 1.011      | 0.0        | 43.183 | 1.503      | 0.0       | 43.709 | 1.221      | 0.0        | 42.321 | 1.014      | 0.0       | 49.597 | 0.998      | 0.0        | 42.639 | 1.37       | 0.0       | 41.701 | 1.211      | 0.0        | 40.748 | 0.909      |
| 11    | 17470       | 17471     | NS   | 1    | 0.0       | 47.541 | 3.878      | 0.0        | 54.072 | 4.535      | 0.0       | 46.057 | 3.665      | 0.0        | 43.664 | 4.985      | 0.0       | 48.31  | 3.848      | 0.0        | 53.422 | 4.525      | 0.0       | 48.042 | 3.779      | 0.0        | 42.699 | 4.885      |
| 12    | 17470       | 17471     | NS   | 1    | 0.0       | 10.625 | 0.0        | 0.0        | 18.849 | 0.0        | 0.0       | 4.137  | 0.0        | 0.0        | 29.252 | 0.528      | 0.0       | 10.439 | 0.0        | 0.0        | 16.753 | 0.0        | 0.0       | 2.514  | 0.0        | 0.0        | 25.029 | 0.158      |
| 13    | 17470       | 17471     | SN   | 1    | 0.0       | 46.95  | 3.654      | 0.0        | 51.428 | 4.367      | 0.0       | 48.59  | 3.987      | 0.0        | 37.362 | 3.256      | 0.0       | 46.102 | 3.784      | 0.0        | 53.218 | 4.283      | 0.0       | 48.566 | 3.856      | 0.0        | 39.568 | 3.212      |
| 14    | 17470       | 17471     | SN   | 1    | 0.0       | 46.95  | 3.591      | 0.0        | 51.428 | 4.136      | 0.0       | 48.59  | 3.911      | 0.0        | 37.362 | 2.872      | 0.0       | 46.102 | 3.719      | 0.0        | 53.218 | 4.018      | 0.0       | 48.566 | 3.782      | 0.0        | 39.568 | 2.857      |
| 15    | 17470       | 17471     | SN   | 1    | 0.0       | 47.615 | 3.692      | 0.0        | 49.716 | 4.819      | 0.0       | 43.245 | 3.538      | 0.0        | 45.469 | 4.689      | 0.0       | 49.076 | 3.743      | 0.0        | 49.2   | 4.677      | 0.0       | 41.322 | 3.495      | 0.0        | 48.038 | 4.348      |
| 16    | 17470       | 17471     | SN   | 1    | 0.0       | 43.878 | 1.043      | 0.0        | 39.105 | 1.412      | 0.0       | 46.845 | 1.073      | 0.0        | 40.415 | 1.464      | 0.0       | 45.238 | 1.018      | 0.0        | 40.618 | 1.27       | 0.0       | 44.645 | 1.07       | 0.0        | 38.209 | 1.302      |
| 17    | 17471       | 17472     | SN   | 1    | 0.0       | 45.79  | 2.204      | 0.0        | 52.095 | 2.662      | 0.0       | 42.321 | 2.78       | 0.0        | 40.527 | 4.368      | 0.0       | 46.424 | 2.173      | 0.0        | 52.52  | 2.528      | 0.0       | 44.419 | 2.651      | 0.0        | 41.01  | 3.856      |
| 18    | 17471       | 17472     | NS   | 1    | 0.0       | 44.513 | 3.299      | 0.0        | 50.373 | 4.666      | 0.0       | 42.918 | 3.672      | 0.0        | 49.295 | 4.522      | 0.0       | 45.1   | 3.279      | 0.0        | 51.244 | 4.494      | 0.0       | 41.921 | 3.622      | 0.0        | 46.668 | 4.259      |
| 19    | 17471       | 17472     | NS   | 1    | 0.0       | 40.352 | 0.981      | 0.0        | 45.667 | 1.373      | 0.0       | 35.682 | 1.098      | 0.0        | 46.028 | 1.573      | 0.0       | 39.83  | 0.972      | 0.0        | 42.769 | 1.328      | 0.0       | 36.013 | 1.073      | 0.0        | 43.43  | 1.45       |
| 20    | 17471       | 17472     | NS   | 1    | 0.0       | 46.288 | 0.981      | 0.0        | 43.239 | 1.29       | 0.0       | 42.53  | 1.126      | 0.0        | 39.538 | 1.564      | 0.0       | 46.94  | 0.954      | 0.0        | 41.505 | 1.193      | 0.0       | 42.684 | 1.062      | 0.0        | 37.157 | 1.431      |
| 21    | 17471       | 17472     | SN   | 1    | 0.0       | 47.761 | 0.721      | 0.0        | 44.202 | 1.08       | 0.0       | 40.151 | 0.837      | 0.0        | 49.507 | 1.553      | 0.0       | 46.26  | 0.721      | 0.0        | 46.001 | 1.03       | 0.0       | 37.737 | 0.796      | 0.0        | 46.733 | 1.242      |
| 22    | 17471       | 17472     | SN   | 1    | 0.0       | 45.793 | 2.186      | 0.0        | 51.888 | 2.648      | 0.0       | 42.301 | 2.759      | 0.0        | 40.199 | 4.291      | 0.0       | 46.427 | 2.156      | 0.0        | 52.313 | 2.496      | 0.0       | 44.4   | 2.638      | 0.0        | 41.0   | 3.757      |
| 23    | 17471       | 17472     | NS   | 1    | 0.0       | 46.094 | 3.288      | 0.0        | 51.093 | 4.544      | 0.0       | 44.107 | 3.351      | 0.0        | 41.6   | 4.761      | 0.0       | 46.061 | 3.309      | 0.0        | 50.397 | 4.291      | 0.0       | 42.714 | 3.444      | 0.0        | 41.573 | 4.562      |
| 24    | 17471       | 17472     | SN   | 1    | 0.0       | 47.761 | 0.717      | 0.0        | 43.881 | 1.078      | 0.0       | 36.614 | 0.837      | 0.0        | 49.507 | 1.547      | 0.0       | 45.605 | 0.714      | 0.0        | 46.181 | 1.024      | 0.0       | 35.552 | 0.794      | 0.0        | 46.733 | 1.224      |
| 25    | 17471       | 17472     | SN   | 1    | 0.0       | 47.761 | 0.708      | 0.0        | 43.881 | 1.066      | 0.0       | 36.614 | 0.828      | 0.0        | 49.507 | 1.531      | 0.0       | 45.605 | 0.705      | 0.0        | 46.181 | 1.012      | 0.0       | 35.552 | 0.786      | 0.0        | 46.733 | 1.21       |
| 26    | 17471       | 17472     | SN   | 1    | 0.0       | 45.793 | 2.214      | 0.0        | 51.888 | 2.682      | 0.0       | 42.301 | 2.795      | 0.0        | 40.199 | 4.339      | 0.0       | 46.427 | 2.183      | 0.0        | 52.313 | 2.528      | 0.0       | 44.4   | 2.672      | 0.0        | 41.0   | 3.806      |
| 27    | 17472       | 17473     | NS   | 1    | 0.0       | 51.124 | 3.989      | 0.0        | 47.275 | 6.027      | 0.0       | 46.557 | 4.077      | 0.0        | 44.335 | 5.457      | 0.0       | 51.681 | 3.969      | 0.0        | 50.135 | 5.622      | 0.0       | 44.662 | 4.219      | 0.0        | 42.714 | 5.008      |
| 28    | 17472       | 17473     | SN   | 1    | 0.0       | 39.339 | 3.648      | 0.0        | 40.951 | 3.864      | 0.0       | 39.046 | 3.229      | 0.0        | 39.178 | 3.899      | 0.0       | 39.126 | 3.7        | 0.0        | 40.251 | 3.564      | 0.0       | 39.884 | 3.192      | 0.0        | 39.287 | 3.421      |
| 29    | 17472       | 17473     | NS   | 1    | 0.0       | 51.297 | 3.929      | 0.0        | 44.352 | 6.058      | 0.0       | 48.184 | 4.169      | 0.0        | 42.495 | 5.414      | 0.0       | 51.855 | 3.959      | 0.0        | 44.034 | 5.682      | 0.0       | 46.291 | 4.269      | 0.0        | 42.259 | 4.972      |
| 30    | 17472       | 17473     | SN   | 1    | 0.0       | 39.339 | 3.562      | 0.0        | 40.951 | 3.785      | 0.0       | 39.046 | 3.121      | 0.0        | 39.178 | 3.851      | 0.0       | 39.126 | 3.633      | 0.0        | 40.251 | 3.501      | 0.0       | 39.884 | 3.128      | 0.0        | 39.287 | 3.381      |
| 31    | 17472       | 17473     | SN   | 1    | 0.0       | 45.293 | 3.562      | 0.0        | 40.951 | 3.785      | 0.0       | 39.046 | 3.071      | 0.0        | 39.178 | 3.872      | 0.0       | 44.935 | 3.664      | 0.0        | 40.251 | 3.501      | 0.0       | 39.884 | 3.078      | 0.0        | 39.287 | 3.395      |

|                          |            |      |        |   |   |
|--------------------------|------------|------|--------|---|---|
| Parameter Specifications | Parameters | SNR  | Sigma0 | <span style="background-color: green; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Normal    | <span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Deviations |
|                          | Range      | 20.0 | 20.0   | <span style="background-color: orange; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Alarming | <span style="background-color: red; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> High Errors   |

|    |       |       |    |   |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 32 | 17472 | 17473 | SN | 1 | 0.0 | 41.204 | 0.799 | 0.0 | 42.858 | 1.028 | 0.0 | 37.676 | 1.065 | 0.0 | 45.593 | 1.426 | 0.0 | 42.126 | 0.785 | 0.0 | 38.724 | 0.92  | 0.0 | 38.369 | 1.002 | 0.0 | 42.652 | 1.13  |
| 33 | 17472 | 17473 | NS | 1 | 0.0 | 39.223 | 1.094 | 0.0 | 47.078 | 1.52  | 0.0 | 41.783 | 1.213 | 0.0 | 39.376 | 1.706 | 0.0 | 39.126 | 1.105 | 0.0 | 46.699 | 1.383 | 0.0 | 42.27  | 1.216 | 0.0 | 37.845 | 1.47  |
| 34 | 17472 | 17473 | NS | 1 | 0.0 | 39.829 | 1.096 | 0.0 | 45.669 | 1.554 | 0.0 | 41.783 | 1.238 | 0.0 | 39.114 | 1.708 | 0.0 | 39.427 | 1.117 | 0.0 | 43.629 | 1.378 | 0.0 | 38.261 | 1.215 | 0.0 | 39.057 | 1.477 |
| 35 | 17472 | 17473 | SN | 1 | 0.0 | 41.204 | 0.789 | 0.0 | 42.858 | 1.01  | 0.0 | 37.676 | 1.044 | 0.0 | 45.593 | 1.408 | 0.0 | 42.126 | 0.771 | 0.0 | 38.724 | 0.904 | 0.0 | 38.369 | 0.973 | 0.0 | 42.652 | 1.115 |
| 36 | 17472 | 17473 | SN | 1 | 0.0 | 41.204 | 0.791 | 0.0 | 42.858 | 1.017 | 0.0 | 37.676 | 1.033 | 0.0 | 45.593 | 1.409 | 0.0 | 42.126 | 0.775 | 0.0 | 38.724 | 0.911 | 0.0 | 38.369 | 0.966 | 0.0 | 42.652 | 1.108 |
| 37 | 17473 | 17474 | NS | 1 | 0.0 | 48.002 | 1.058 | 0.0 | 48.471 | 1.248 | 0.0 | 47.004 | 1.103 | 0.0 | 41.054 | 1.4   | 0.0 | 48.326 | 1.067 | 0.0 | 46.364 | 1.151 | 0.0 | 48.168 | 1.082 | 0.0 | 40.058 | 1.223 |
| 38 | 17473 | 17474 | NS | 1 | 0.0 | 51.554 | 3.787 | 0.0 | 55.298 | 4.331 | 0.0 | 44.128 | 3.829 | 0.0 | 45.203 | 4.549 | 0.0 | 53.716 | 3.889 | 0.0 | 56.065 | 4.209 | 0.0 | 43.835 | 3.793 | 0.0 | 45.344 | 4.207 |
| 39 | 17473 | 17474 | SN | 1 | 0.0 | 49.328 | 0.804 | 0.0 | 39.254 | 1.173 | 0.0 | 38.514 | 1.074 | 0.0 | 38.33  | 1.77  | 0.0 | 49.021 | 0.807 | 0.0 | 37.261 | 1.04  | 0.0 | 36.094 | 1.01  | 0.0 | 36.661 | 1.52  |
| 40 | 17473 | 17474 | SN | 1 | 0.0 | 45.09  | 2.99  | 0.0 | 44.837 | 3.863 | 0.0 | 43.095 | 3.528 | 0.0 | 38.129 | 5.151 | 0.0 | 46.278 | 2.876 | 0.0 | 44.872 | 3.612 | 0.0 | 41.29  | 3.397 | 0.0 | 38.023 | 4.47  |
| 41 | 17473 | 17474 | NS | 1 | 0.0 | 51.549 | 3.767 | 0.0 | 55.296 | 4.341 | 0.0 | 43.987 | 3.8   | 0.0 | 45.271 | 4.535 | 0.0 | 53.713 | 3.869 | 0.0 | 56.064 | 4.209 | 0.0 | 43.694 | 3.779 | 0.0 | 45.409 | 4.214 |
| 42 | 17473 | 17474 | SN | 1 | 0.0 | 45.09  | 2.905 | 0.0 | 44.837 | 3.755 | 0.0 | 43.095 | 3.453 | 0.0 | 38.129 | 5.013 | 0.0 | 46.278 | 2.793 | 0.0 | 44.872 | 3.512 | 0.0 | 41.29  | 3.312 | 0.0 | 38.023 | 4.379 |
| 43 | 17473 | 17474 | SN | 1 | 0.0 | 45.677 | 0.811 | 0.0 | 39.254 | 1.187 | 0.0 | 38.186 | 1.061 | 0.0 | 38.324 | 1.777 | 0.0 | 45.516 | 0.795 | 0.0 | 37.263 | 1.047 | 0.0 | 36.704 | 1.005 | 0.0 | 36.565 | 1.524 |
| 44 | 17473 | 17474 | SN | 1 | 0.0 | 45.677 | 0.84  | 0.0 | 39.254 | 1.221 | 0.0 | 38.186 | 1.113 | 0.0 | 38.324 | 1.811 | 0.0 | 45.516 | 0.824 | 0.0 | 37.263 | 1.074 | 0.0 | 36.704 | 1.044 | 0.0 | 36.565 | 1.548 |
| 45 | 17473 | 17474 | SN | 1 | 0.0 | 44.127 | 2.844 | 0.0 | 44.902 | 3.806 | 0.0 | 42.892 | 3.368 | 0.0 | 39.22  | 4.999 | 0.0 | 45.314 | 2.783 | 0.0 | 44.938 | 3.532 | 0.0 | 41.087 | 3.326 | 0.0 | 41.335 | 4.394 |
| 46 | 17473 | 17474 | NS | 1 | 0.0 | 48.0   | 1.063 | 0.0 | 48.342 | 1.244 | 0.0 | 46.814 | 1.103 | 0.0 | 41.251 | 1.406 | 0.0 | 48.326 | 1.065 | 0.0 | 46.236 | 1.154 | 0.0 | 47.979 | 1.082 | 0.0 | 39.222 | 1.23  |
| 47 | 17474 | 17475 | SN | 1 | 0.0 | 49.315 | 3.573 | 0.0 | 46.778 | 3.948 | 0.0 | 47.563 | 4.347 | 0.0 | 41.453 | 5.383 | 0.0 | 50.66  | 3.542 | 0.0 | 45.456 | 3.502 | 0.0 | 48.697 | 4.247 | 0.0 | 38.125 | 4.593 |
| 48 | 17474 | 17475 | SN | 1 | 0.0 | 45.751 | 3.734 | 0.0 | 46.778 | 4.126 | 0.0 | 47.563 | 4.574 | 0.0 | 41.453 | 5.517 | 0.0 | 47.094 | 3.692 | 0.0 | 45.456 | 3.66  | 0.0 | 48.697 | 4.455 | 0.0 | 38.125 | 4.78  |
| 49 | 17474 | 17475 | SN | 1 | 0.0 | 46.113 | 3.492 | 0.0 | 44.416 | 3.959 | 0.0 | 48.413 | 4.467 | 0.0 | 41.741 | 5.44  | 0.0 | 47.458 | 3.481 | 0.0 | 44.675 | 3.593 | 0.0 | 49.55  | 4.304 | 0.0 | 38.963 | 4.664 |
| 50 | 17474 | 17475 | NS | 1 | 0.0 | 49.1   | 5.321 | 0.0 | 54.606 | 6.239 | 0.0 | 49.557 | 4.911 | 0.0 | 45.616 | 5.937 | 0.0 | 48.435 | 5.24  | 0.0 | 55.76  | 5.955 | 0.0 | 47.857 | 4.747 | 0.0 | 44.679 | 5.368 |
| 51 | 17474 | 17475 | NS | 1 | 0.0 | 43.072 | 1.435 | 0.0 | 48.724 | 1.741 | 0.0 | 37.092 | 1.442 | 0.0 | 44.677 | 2.004 | 0.0 | 43.846 | 1.478 | 0.0 | 48.297 | 1.59  | 0.0 | 40.16  | 1.353 | 0.0 | 45.388 | 1.669 |
| 52 | 17474 | 17475 | NS | 1 | 0.0 | 44.178 | 1.497 | 0.0 | 46.797 | 1.741 | 0.0 | 47.566 | 1.465 | 0.0 | 38.981 | 1.858 | 0.0 | 44.095 | 1.461 | 0.0 | 43.875 | 1.58  | 0.0 | 46.077 | 1.382 | 0.0 | 40.222 | 1.599 |
| 53 | 17474 | 17475 | NS | 1 | 0.0 | 50.82  | 5.258 | 0.0 | 56.343 | 6.277 | 0.0 | 48.477 | 4.674 | 0.0 | 47.383 | 6.016 | 0.0 | 51.182 | 5.136 | 0.0 | 59.982 | 6.085 | 0.0 | 49.998 | 4.532 | 0.0 | 48.802 | 5.37  |
| 54 | 17474 | 17475 | SN | 1 | 0.0 | 43.335 | 1.108 | 0.0 | 43.676 | 1.334 | 0.0 | 40.694 | 1.408 | 0.0 | 40.457 | 1.758 | 0.0 | 43.091 | 1.075 | 0.0 | 42.206 | 1.182 | 0.0 | 39.453 | 1.379 | 0.0 | 38.69  | 1.467 |
| 55 | 17474 | 17475 | SN | 1 | 0.0 | 44.238 | 1.088 | 0.0 | 43.596 | 1.3   | 0.0 | 38.66  | 1.415 | 0.0 | 40.824 | 1.744 | 0.0 | 45.825 | 1.05  | 0.0 | 41.858 | 1.137 | 0.0 | 38.654 | 1.341 | 0.0 | 40.185 | 1.513 |
| 56 | 17474 | 17475 | SN | 1 | 0.0 | 43.335 | 1.159 | 0.0 | 43.676 | 1.389 | 0.0 | 40.694 | 1.466 | 0.0 | 40.457 | 1.816 | 0.0 | 43.091 | 1.123 | 0.0 | 42.206 | 1.231 | 0.0 | 39.453 | 1.437 | 0.0 | 38.69  | 1.524 |
| 57 | 17475 | 17476 | NS | 1 | 0.0 | 42.323 | 1.253 | 0.0 | 44.021 | 1.601 | 0.0 | 38.61  | 1.508 | 0.0 | 38.432 | 2.106 | 0.0 | 43.256 | 1.228 | 0.0 | 45.493 | 1.414 | 0.0 | 37.081 | 1.412 | 0.0 | 38.295 | 1.824 |
| 58 | 17475 | 17476 | NS | 1 | 0.0 | 46.357 | 4.488 | 0.0 | 47.143 | 5.37  | 0.0 | 42.0   | 4.803 | 0.0 | 44.354 | 6.146 | 0.0 | 46.951 | 4.59  | 0.0 | 47.394 | 5.015 | 0.0 | 42.549 | 4.653 | 0.0 | 43.785 | 5.427 |
| 59 | 17475 | 17476 | NS | 1 | 0.0 | 46.091 | 4.506 | 0.0 | 44.124 | 5.62  | 0.0 | 45.191 | 4.809 | 0.0 | 44.66  | 6.147 | 0.0 | 47.115 | 4.587 | 0.0 | 44.239 | 5.316 | 0.0 | 43.922 | 4.639 | 0.0 | 42.513 | 5.543 |
| 60 | 17475 | 17476 | NS | 1 | 0.0 | 44.53  | 1.248 | 0.0 | 42.344 | 1.638 | 0.0 | 43.868 | 1.6   | 0.0 | 42.1   | 2.123 | 0.0 | 43.877 | 1.254 | 0.0 | 42.23  | 1.509 | 0.0 | 42.286 | 1.482 | 0.0 | 41.461 | 1.877 |
| 61 | 17475 | 17476 | SN | 1 | 0.0 | 49.544 | 1.298 | 0.0 | 43.857 | 1.843 | 0.0 | 41.9   | 1.29  | 0.0 | 43.684 | 1.978 | 0.0 | 50.564 | 1.316 | 0.0 | 45.068 | 1.742 | 0.0 | 41.21  | 1.198 | 0.0 | 41.544 | 1.643 |
| 62 | 17475 | 17476 | SN | 1 | 0.0 | 46.026 | 4.98  | 0.0 | 48.433 | 6.565 | 0.0 | 42.918 | 4.568 | 0.0 | 42.973 | 6.134 | 0.0 | 48.147 | 5.051 | 0.0 | 48.527 | 6.332 | 0.0 | 43.217 | 4.568 | 0.0 | 42.828 | 5.572 |
| 63 | 17475 | 17476 | SN | 1 | 0.0 | 46.026 | 5.011 | 0.0 | 48.664 | 6.576 | 0.0 | 42.925 | 4.561 | 0.0 | 42.795 | 6.091 | 0.0 | 48.148 | 5.102 | 0.0 | 48.553 | 6.292 | 0.0 | 43.223 | 4.59  | 0.0 | 42.916 | 5.543 |
| 64 | 17475 | 17476 | SN | 1 | 0.0 | 49.544 | 1.381 | 0.0 | 43.857 | 1.963 | 0.0 | 41.9   | 1.37  | 0.0 | 43.684 | 2.101 | 0.0 | 50.564 | 1.403 | 0.0 | 45.068 | 1.854 | 0.0 | 41.21  | 1.27  | 0.0 | 41.544 | 1.755 |
| 65 | 17475 | 17476 | SN | 1 | 0.0 | 48.249 | 1.303 | 0.0 | 43.525 | 1.83  | 0.0 | 40.499 | 1.313 | 0.0 | 41.504 | 1.978 | 0.0 | 49.27  | 1.309 | 0.0 | 44.738 | 1.726 | 0.0 | 37.436 | 1.21  | 0.0 | 40.448 | 1.631 |
| 66 | 17475 | 17476 | SN | 1 | 0.0 | 46.026 | 5.339 | 0.0 | 48.664 | 7.002 | 0.0 | 48.591 | 4.841 | 0.0 | 42.795 | 6.483 | 0.0 | 48.148 | 5.436 | 0.0 | 48.553 | 6.7   | 0.0 | 47.589 | 4.863 | 0.0 | 42.916 | 5.899 |
| 67 | 17476 | 17477 | SN | 1 | 0.0 | 46.851 | 2.089 | 0.0 | 59.15  | 2.445 | 0.0 | 38.865 | 1.506 | 0.0 | 44.948 | 2.013 | 0.0 | 49.87  | 2.085 | 0.0 | 58.128 | 2.258 | 0.0 | 40.948 | 1.511 | 0.0 | 40.38  | 1.828 |

| Parameter Specifications | Parameters | SNR  | Sigma0 | Normal | Deviations |
|--------------------------|------------|------|--------|--------|------------|
|                          | Range      | 20.0 | 20.0   |        |            |

|     |       |       |    |   |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 68  | 17476 | 17477 | NS | 1 | 0.0 | 42.301 | 0.741 | 0.0 | 43.126 | 1.048 | 0.0 | 49.892 | 0.959 | 0.0 | 42.459 | 1.468 | 0.0 | 43.039 | 0.735 | 0.0 | 41.35  | 0.969 | 0.0 | 47.181 | 0.909 | 0.0 | 41.099 | 1.335 |
| 69  | 17476 | 17477 | SN | 1 | 0.0 | 49.427 | 7.512 | 0.0 | 57.862 | 8.048 | 0.0 | 50.121 | 6.207 | 0.0 | 49.928 | 7.154 | 0.0 | 48.977 | 7.552 | 0.0 | 57.677 | 7.815 | 0.0 | 50.758 | 6.207 | 0.0 | 49.807 | 6.677 |
| 70  | 17476 | 17477 | NS | 1 | 0.0 | 44.368 | 2.954 | 0.0 | 51.532 | 4.01  | 0.0 | 42.21  | 3.287 | 0.0 | 44.79  | 4.073 | 0.0 | 43.756 | 3.025 | 0.0 | 52.386 | 3.898 | 0.0 | 43.06  | 3.237 | 0.0 | 44.302 | 3.739 |
| 71  | 17476 | 17477 | SN | 1 | 0.0 | 46.851 | 2.094 | 0.0 | 59.15  | 2.443 | 0.0 | 48.144 | 1.488 | 0.0 | 44.991 | 2.002 | 0.0 | 49.87  | 2.082 | 0.0 | 58.128 | 2.258 | 0.0 | 47.197 | 1.501 | 0.0 | 39.353 | 1.834 |
| 72  | 17476 | 17477 | SN | 1 | 0.0 | 49.431 | 8.221 | 0.0 | 57.862 | 8.775 | 0.0 | 47.977 | 6.722 | 0.0 | 48.995 | 7.759 | 0.0 | 48.98  | 8.265 | 0.0 | 57.677 | 8.542 | 0.0 | 46.429 | 6.769 | 0.0 | 48.907 | 7.307 |
| 73  | 17476 | 17477 | SN | 1 | 0.0 | 46.851 | 2.287 | 0.0 | 59.15  | 2.666 | 0.0 | 38.865 | 1.64  | 0.0 | 44.948 | 2.175 | 0.0 | 49.87  | 2.282 | 0.0 | 58.128 | 2.468 | 0.0 | 40.948 | 1.65  | 0.0 | 40.38  | 1.995 |
| 74  | 17476 | 17477 | SN | 1 | 0.0 | 49.431 | 7.512 | 0.0 | 57.862 | 8.038 | 0.0 | 47.977 | 6.164 | 0.0 | 48.995 | 7.168 | 0.0 | 48.98  | 7.552 | 0.0 | 57.677 | 7.815 | 0.0 | 46.429 | 6.207 | 0.0 | 48.907 | 6.713 |
| 75  | 17477 | 17478 | NS | 1 | 0.0 | 48.645 | 3.392 | 0.0 | 48.276 | 4.23  | 0.0 | 44.795 | 2.974 | 0.0 | 45.873 | 3.816 | 0.0 | 48.317 | 3.381 | 0.0 | 49.71  | 4.088 | 0.0 | 44.566 | 2.918 | 0.0 | 44.369 | 3.396 |
| 76  | 17477 | 17478 | NS | 1 | 0.0 | 40.72  | 0.767 | 0.0 | 47.193 | 1.192 | 0.0 | 38.424 | 0.737 | 0.0 | 44.264 | 1.195 | 0.0 | 41.327 | 0.789 | 0.0 | 47.98  | 1.077 | 0.0 | 38.916 | 0.771 | 0.0 | 43.804 | 1.012 |
| 77  | 17477 | 17478 | SN | 1 | 0.0 | 42.841 | 1.48  | 0.0 | 44.257 | 1.901 | 0.0 | 37.925 | 1.192 | 0.0 | 41.325 | 1.6   | 0.0 | 41.984 | 1.53  | 0.0 | 44.539 | 1.965 | 0.0 | 38.769 | 1.205 | 0.0 | 44.319 | 1.549 |
| 78  | 17477 | 17478 | NS | 1 | 0.0 | 40.72  | 0.771 | 0.0 | 47.191 | 1.199 | 0.0 | 38.424 | 0.73  | 0.0 | 44.308 | 1.195 | 0.0 | 41.327 | 0.796 | 0.0 | 47.98  | 1.079 | 0.0 | 38.916 | 0.764 | 0.0 | 43.802 | 1.014 |
| 79  | 17477 | 17478 | SN | 1 | 0.0 | 49.86  | 6.224 | 0.0 | 50.568 | 6.972 | 0.0 | 51.22  | 4.496 | 0.0 | 42.737 | 5.469 | 0.0 | 50.677 | 6.437 | 0.0 | 51.496 | 7.053 | 0.0 | 48.978 | 4.446 | 0.0 | 45.513 | 5.355 |
| 80  | 17477 | 17478 | NS | 1 | 0.0 | 48.645 | 3.381 | 0.0 | 48.276 | 4.219 | 0.0 | 44.795 | 2.989 | 0.0 | 45.917 | 3.794 | 0.0 | 48.317 | 3.381 | 0.0 | 49.71  | 4.067 | 0.0 | 44.566 | 2.918 | 0.0 | 44.369 | 3.367 |
| 81  | 17478 | 17479 | SN | 1 | 0.0 | 42.912 | 3.368 | 0.0 | 50.536 | 3.541 | 0.0 | 42.038 | 2.999 | 0.0 | 42.232 | 4.077 | 0.0 | 43.5   | 3.237 | 0.0 | 48.173 | 3.075 | 0.0 | 41.985 | 2.828 | 0.0 | 40.699 | 3.601 |
| 82  | 17478 | 17479 | NS | 1 | 0.0 | 50.528 | 3.898 | 0.0 | 52.886 | 5.588 | 0.0 | 43.05  | 4.091 | 0.0 | 48.749 | 5.349 | 0.0 | 52.036 | 3.969 | 0.0 | 51.478 | 5.234 | 0.0 | 46.179 | 3.963 | 0.0 | 45.367 | 4.709 |
| 83  | 17478 | 17479 | SN | 1 | 0.0 | 42.088 | 0.797 | 0.0 | 52.009 | 1.014 | 0.0 | 37.366 | 0.904 | 0.0 | 40.126 | 1.448 | 0.0 | 42.761 | 0.768 | 0.0 | 50.52  | 0.865 | 0.0 | 37.021 | 0.843 | 0.0 | 36.513 | 1.201 |
| 84  | 17478 | 17479 | NS | 1 | 0.0 | 50.52  | 3.888 | 0.0 | 52.886 | 5.588 | 0.0 | 43.05  | 4.077 | 0.0 | 48.749 | 5.349 | 0.0 | 51.156 | 3.969 | 0.0 | 51.478 | 5.234 | 0.0 | 46.179 | 3.949 | 0.0 | 45.367 | 4.731 |
| 85  | 17478 | 17479 | NS | 1 | 0.0 | 51.009 | 1.083 | 0.0 | 50.247 | 1.617 | 0.0 | 39.561 | 1.247 | 0.0 | 46.06  | 1.793 | 0.0 | 50.19  | 1.088 | 0.0 | 50.621 | 1.507 | 0.0 | 39.419 | 1.188 | 0.0 | 43.246 | 1.571 |
| 86  | 17478 | 17479 | NS | 1 | 0.0 | 51.009 | 1.088 | 0.0 | 50.247 | 1.615 | 0.0 | 38.448 | 1.259 | 0.0 | 46.06  | 1.809 | 0.0 | 50.19  | 1.092 | 0.0 | 50.621 | 1.518 | 0.0 | 37.551 | 1.192 | 0.0 | 43.246 | 1.576 |
| 87  | 17479 | 17480 | SN | 1 | 0.0 | 55.542 | 6.19  | 0.0 | 44.308 | 6.627 | 0.0 | 43.758 | 5.161 | 0.0 | 46.784 | 6.468 | 0.0 | 55.001 | 6.271 | 0.0 | 44.5   | 6.516 | 0.0 | 43.315 | 5.175 | 0.0 | 45.375 | 6.07  |
| 88  | 17479 | 17480 | SN | 1 | 0.0 | 43.735 | 1.518 | 0.0 | 43.632 | 1.902 | 0.0 | 41.232 | 1.358 | 0.0 | 44.43  | 2.007 | 0.0 | 44.624 | 1.545 | 0.0 | 43.824 | 1.812 | 0.0 | 41.335 | 1.397 | 0.0 | 46.063 | 1.824 |
| 89  | 17479 | 17480 | NS | 1 | 0.0 | 38.876 | 0.819 | 0.0 | 44.54  | 1.143 | 0.0 | 33.831 | 0.899 | 0.0 | 36.311 | 1.349 | 0.0 | 38.963 | 0.823 | 0.0 | 42.591 | 1.012 | 0.0 | 35.133 | 0.833 | 0.0 | 36.504 | 1.115 |
| 90  | 17479 | 17480 | NS | 1 | 0.0 | 38.876 | 0.8   | 0.0 | 44.54  | 1.138 | 0.0 | 33.831 | 0.899 | 0.0 | 36.311 | 1.358 | 0.0 | 38.963 | 0.809 | 0.0 | 42.591 | 1.005 | 0.0 | 35.133 | 0.835 | 0.0 | 36.504 | 1.114 |
| 91  | 17479 | 17480 | NS | 1 | 0.0 | 47.657 | 2.934 | 0.0 | 51.082 | 4.343 | 0.0 | 42.79  | 3.302 | 0.0 | 40.377 | 4.163 | 0.0 | 48.344 | 2.944 | 0.0 | 51.359 | 4.17  | 0.0 | 42.908 | 3.024 | 0.0 | 42.172 | 3.502 |
| 92  | 17479 | 17480 | NS | 1 | 0.0 | 47.657 | 2.924 | 0.0 | 51.082 | 4.332 | 0.0 | 43.254 | 3.216 | 0.0 | 40.377 | 4.248 | 0.0 | 48.344 | 2.934 | 0.0 | 51.359 | 4.16  | 0.0 | 42.908 | 2.967 | 0.0 | 42.172 | 3.545 |
| 93  | 17479 | 17480 | SN | 1 | 0.0 | 43.735 | 1.518 | 0.0 | 43.632 | 1.902 | 0.0 | 41.232 | 1.358 | 0.0 | 44.43  | 2.007 | 0.0 | 44.624 | 1.545 | 0.0 | 43.824 | 1.812 | 0.0 | 41.335 | 1.397 | 0.0 | 46.063 | 1.824 |
| 94  | 17479 | 17480 | SN | 1 | 0.0 | 55.542 | 6.19  | 0.0 | 44.308 | 6.627 | 0.0 | 43.758 | 5.161 | 0.0 | 46.784 | 6.468 | 0.0 | 55.001 | 6.271 | 0.0 | 44.5   | 6.516 | 0.0 | 43.315 | 5.175 | 0.0 | 45.375 | 6.07  |
| 95  | 17480 | 17481 | NS | 1 | 0.0 | 37.736 | 1.755 | 0.0 | 38.489 | 2.651 | 0.0 | 45.972 | 2.577 | 0.0 | 38.4   | 3.379 | 0.0 | 38.4   | 1.724 | 0.0 | 37.479 | 2.208 | 0.0 | 45.472 | 2.432 | 0.0 | 35.454 | 2.901 |
| 96  | 17480 | 17481 | SN | 1 | 0.0 | 47.267 | 0.887 | 0.0 | 47.61  | 1.082 | 0.0 | 40.496 | 0.987 | 0.0 | 46.438 | 1.315 | 0.0 | 47.022 | 0.887 | 0.0 | 46.466 | 0.951 | 0.0 | 40.222 | 0.937 | 0.0 | 47.056 | 1.132 |
| 97  | 17480 | 17481 | SN | 1 | 0.0 | 47.575 | 3.196 | 0.0 | 53.534 | 3.734 | 0.0 | 47.773 | 3.835 | 0.0 | 46.458 | 4.391 | 0.0 | 48.213 | 3.287 | 0.0 | 51.962 | 3.45  | 0.0 | 47.814 | 3.523 | 0.0 | 44.809 | 3.907 |
| 98  | 17480 | 17481 | NS | 1 | 0.0 | 40.754 | 0.536 | 0.0 | 42.45  | 0.852 | 0.0 | 38.335 | 0.749 | 0.0 | 40.941 | 1.192 | 0.0 | 39.834 | 0.533 | 0.0 | 39.479 | 0.689 | 0.0 | 38.374 | 0.696 | 0.0 | 40.039 | 0.931 |
| 99  | 17480 | 17481 | SN | 1 | 0.0 | 47.757 | 3.207 | 0.0 | 53.534 | 3.734 | 0.0 | 47.773 | 3.835 | 0.0 | 47.111 | 4.391 | 0.0 | 48.603 | 3.287 | 0.0 | 51.962 | 3.42  | 0.0 | 47.814 | 3.466 | 0.0 | 45.885 | 3.949 |
| 100 | 17480 | 17481 | NS | 1 | 0.0 | 42.754 | 1.867 | 0.0 | 40.629 | 2.562 | 0.0 | 43.474 | 2.54  | 0.0 | 43.898 | 3.326 | 0.0 | 43.409 | 1.766 | 0.0 | 38.515 | 2.177 | 0.0 | 42.21  | 2.376 | 0.0 | 43.11  | 2.835 |
| 101 | 17480 | 17481 | NS | 1 | 0.0 | 38.434 | 0.536 | 0.0 | 34.441 | 0.871 | 0.0 | 36.498 | 0.775 | 0.0 | 40.941 | 1.225 | 0.0 | 37.499 | 0.545 | 0.0 | 34.803 | 0.712 | 0.0 | 37.245 | 0.705 | 0.0 | 40.039 | 0.958 |
| 102 | 17480 | 17481 | SN | 1 | 0.0 | 47.267 | 0.887 | 0.0 | 48.127 | 1.073 | 0.0 | 40.584 | 1.011 | 0.0 | 45.783 | 1.324 | 0.0 | 47.024 | 0.883 | 0.0 | 46.983 | 0.94  | 0.0 | 40.309 | 0.957 | 0.0 | 46.403 | 1.137 |
| 103 | 17480 | 17481 | NS | 1 | 0.0 | 43.189 | 0.54  | 0.0 | 43.198 | 0.841 | 0.0 | 37.747 | 0.778 | 0.0 | 39.84  | 1.213 | 0.0 | 42.408 | 0.531 | 0.0 | 44.29  | 0.68  | 0.0 | 38.403 | 0.728 | 0.0 | 36.897 | 0.965 |

|                          |            |      |        |        |            |
|--------------------------|------------|------|--------|--------|------------|
| Parameter Specifications | Parameters | SNR  | Sigma0 | Normal | Deviations |
|                          | Range      | 20.0 | 20.0   |        |            |



|     |       |       |    |   |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 104 | 17480 | 17481 | NS | 1 | 0.0 | 42.338 | 1.887 | 0.0 | 37.889 | 2.542 | 0.0 | 43.291 | 2.561 | 0.0 | 41.43  | 3.368 | 0.0 | 41.089 | 1.745 | 0.0 | 37.818 | 2.147 | 0.0 | 43.314 | 2.44  | 0.0 | 39.236 | 2.842 |
| 105 | 17481 | 17482 | SN | 1 | 0.0 | 49.108 | 3.593 | 0.0 | 49.045 | 4.161 | 0.0 | 43.118 | 4.071 | 0.0 | 49.011 | 4.592 | 0.0 | 49.553 | 3.613 | 0.0 | 48.013 | 4.07  | 0.0 | 44.578 | 3.915 | 0.0 | 46.801 | 3.837 |
| 106 | 17481 | 17482 | SN | 1 | 0.0 | 48.83  | 3.603 | 0.0 | 46.141 | 4.171 | 0.0 | 45.121 | 4.043 | 0.0 | 49.011 | 4.577 | 0.0 | 49.276 | 3.633 | 0.0 | 48.126 | 4.07  | 0.0 | 44.59  | 3.901 | 0.0 | 46.801 | 3.851 |
| 107 | 17481 | 17482 | NS | 1 | 0.0 | 46.996 | 0.802 | 0.0 | 41.436 | 1.071 | 0.0 | 43.335 | 0.998 | 0.0 | 39.43  | 1.547 | 0.0 | 45.501 | 0.791 | 0.0 | 41.608 | 0.981 | 0.0 | 43.01  | 0.95  | 0.0 | 37.775 | 1.279 |
| 108 | 17481 | 17482 | NS | 1 | 0.0 | 48.313 | 2.41  | 0.0 | 46.08  | 3.761 | 0.0 | 42.832 | 3.185 | 0.0 | 46.509 | 4.989 | 0.0 | 48.767 | 2.453 | 0.0 | 43.231 | 3.346 | 0.0 | 40.921 | 3.155 | 0.0 | 46.369 | 4.235 |
| 109 | 17481 | 17482 | NS | 1 | 0.0 | 37.891 | 0.855 | 0.0 | 42.442 | 1.105 | 0.0 | 41.054 | 1.032 | 0.0 | 43.373 | 1.616 | 0.0 | 38.843 | 0.831 | 0.0 | 42.617 | 1.017 | 0.0 | 43.587 | 1.004 | 0.0 | 41.468 | 1.342 |
| 110 | 17481 | 17482 | NS | 1 | 0.0 | 39.708 | 0.814 | 0.0 | 42.442 | 1.06  | 0.0 | 40.675 | 0.984 | 0.0 | 43.373 | 1.536 | 0.0 | 41.154 | 0.789 | 0.0 | 42.617 | 0.976 | 0.0 | 39.356 | 0.973 | 0.0 | 41.468 | 1.279 |
| 111 | 17481 | 17482 | SN | 1 | 0.0 | 47.861 | 1.154 | 0.0 | 40.53  | 1.453 | 0.0 | 43.206 | 1.36  | 0.0 | 39.363 | 1.486 | 0.0 | 47.759 | 1.158 | 0.0 | 40.618 | 1.363 | 0.0 | 44.885 | 1.329 | 0.0 | 37.023 | 1.257 |
| 112 | 17481 | 17482 | NS | 1 | 0.0 | 44.877 | 2.365 | 0.0 | 47.456 | 3.584 | 0.0 | 37.785 | 3.237 | 0.0 | 44.905 | 4.695 | 0.0 | 45.333 | 2.406 | 0.0 | 44.607 | 3.087 | 0.0 | 38.94  | 3.166 | 0.0 | 44.765 | 3.94  |
| 113 | 17481 | 17482 | NS | 1 | 0.0 | 48.313 | 2.294 | 0.0 | 46.08  | 3.615 | 0.0 | 42.832 | 3.151 | 0.0 | 46.509 | 4.737 | 0.0 | 48.767 | 2.325 | 0.0 | 43.231 | 3.158 | 0.0 | 41.01  | 3.13  | 0.0 | 46.369 | 4.018 |
| 114 | 17481 | 17482 | SN | 1 | 0.0 | 46.978 | 1.167 | 0.0 | 41.905 | 1.453 | 0.0 | 43.084 | 1.348 | 0.0 | 39.636 | 1.509 | 0.0 | 46.878 | 1.17  | 0.0 | 42.034 | 1.354 | 0.0 | 45.047 | 1.318 | 0.0 | 36.937 | 1.276 |
| 115 | 17482 | 17483 | SN | 1 | 0.0 | 40.934 | 1.793 | 0.0 | 43.932 | 2.294 | 0.0 | 37.532 | 2.043 | 0.0 | 40.558 | 2.638 | 0.0 | 41.63  | 1.798 | 0.0 | 42.074 | 2.212 | 0.0 | 37.017 | 1.979 | 0.0 | 39.175 | 2.411 |
| 116 | 17482 | 17483 | NS | 1 | 0.0 | 40.849 | 1.79  | 0.0 | 40.603 | 2.539 | 0.0 | 37.147 | 2.45  | 0.0 | 41.902 | 3.31  | 0.0 | 41.956 | 1.857 | 0.0 | 40.251 | 2.282 | 0.0 | 35.873 | 2.332 | 0.0 | 41.777 | 2.839 |
| 117 | 17482 | 17483 | NS | 1 | 0.0 | 40.849 | 1.584 | 0.0 | 40.603 | 2.334 | 0.0 | 40.847 | 2.298 | 0.0 | 41.902 | 2.976 | 0.0 | 41.956 | 1.624 | 0.0 | 40.251 | 2.08  | 0.0 | 39.059 | 2.156 | 0.0 | 41.777 | 2.556 |
| 118 | 17482 | 17483 | NS | 1 | 0.0 | 40.849 | 1.574 | 0.0 | 40.603 | 2.334 | 0.0 | 40.661 | 2.291 | 0.0 | 41.902 | 2.976 | 0.0 | 41.956 | 1.624 | 0.0 | 40.251 | 2.08  | 0.0 | 38.874 | 2.163 | 0.0 | 41.777 | 2.556 |
| 119 | 17482 | 17483 | SN | 1 | 0.0 | 47.538 | 6.386 | 0.0 | 45.511 | 6.981 | 0.0 | 40.326 | 6.254 | 0.0 | 44.718 | 7.147 | 0.0 | 48.409 | 6.295 | 0.0 | 44.471 | 6.828 | 0.0 | 42.712 | 6.339 | 0.0 | 44.54  | 7.09  |
| 120 | 17482 | 17483 | SN | 1 | 0.0 | 47.538 | 6.386 | 0.0 | 45.511 | 6.981 | 0.0 | 40.326 | 6.254 | 0.0 | 44.718 | 7.147 | 0.0 | 48.409 | 6.295 | 0.0 | 44.471 | 6.828 | 0.0 | 42.712 | 6.339 | 0.0 | 44.54  | 7.09  |
| 121 | 17482 | 17483 | NS | 1 | 0.0 | 44.472 | 0.613 | 0.0 | 40.819 | 0.913 | 0.0 | 40.805 | 0.809 | 0.0 | 48.299 | 1.235 | 0.0 | 47.288 | 0.618 | 0.0 | 43.862 | 0.826 | 0.0 | 40.581 | 0.715 | 0.0 | 43.005 | 1.009 |
| 122 | 17482 | 17483 | NS | 1 | 0.0 | 43.01  | 0.55  | 0.0 | 40.83  | 0.826 | 0.0 | 40.805 | 0.753 | 0.0 | 48.299 | 1.127 | 0.0 | 45.823 | 0.547 | 0.0 | 43.861 | 0.75  | 0.0 | 40.581 | 0.693 | 0.0 | 43.005 | 0.92  |
| 123 | 17482 | 17483 | NS | 1 | 0.0 | 43.01  | 0.55  | 0.0 | 40.83  | 0.826 | 0.0 | 40.805 | 0.757 | 0.0 | 48.299 | 1.127 | 0.0 | 45.823 | 0.547 | 0.0 | 43.861 | 0.75  | 0.0 | 40.581 | 0.696 | 0.0 | 43.005 | 0.92  |
| 124 | 17482 | 17483 | SN | 1 | 0.0 | 40.934 | 1.793 | 0.0 | 43.932 | 2.294 | 0.0 | 37.532 | 2.043 | 0.0 | 40.558 | 2.638 | 0.0 | 41.63  | 1.798 | 0.0 | 42.074 | 2.212 | 0.0 | 37.017 | 1.979 | 0.0 | 39.175 | 2.411 |
| 125 | 17483 | 17484 | SN | 1 | 0.0 | 44.198 | 0.813 | 0.0 | 41.088 | 1.032 | 0.0 | 37.222 | 0.955 | 0.0 | 37.405 | 1.455 | 0.0 | 43.523 | 0.822 | 0.0 | 41.845 | 0.942 | 0.0 | 36.311 | 0.884 | 0.0 | 38.106 | 1.263 |
| 126 | 17483 | 17484 | SN | 1 | 0.0 | 44.198 | 0.872 | 0.0 | 41.088 | 1.105 | 0.0 | 37.222 | 1.022 | 0.0 | 37.405 | 1.557 | 0.0 | 43.523 | 0.882 | 0.0 | 41.845 | 1.017 | 0.0 | 36.311 | 0.954 | 0.0 | 38.106 | 1.361 |
| 127 | 17483 | 17484 | SN | 1 | 0.0 | 44.948 | 3.186 | 0.0 | 47.451 | 3.572 | 0.0 | 40.384 | 3.077 | 0.0 | 40.845 | 4.227 | 0.0 | 44.955 | 3.237 | 0.0 | 48.114 | 3.186 | 0.0 | 39.426 | 2.992 | 0.0 | 39.413 | 3.885 |
| 128 | 17483 | 17484 | NS | 1 | 0.0 | 47.745 | 2.894 | 0.0 | 53.141 | 4.049 | 0.0 | 45.881 | 3.394 | 0.0 | 45.022 | 4.465 | 0.0 | 48.635 | 2.934 | 0.0 | 53.494 | 3.826 | 0.0 | 45.016 | 3.252 | 0.0 | 44.272 | 3.91  |
| 129 | 17483 | 17484 | NS | 1 | 0.0 | 47.745 | 2.904 | 0.0 | 53.141 | 4.049 | 0.0 | 45.881 | 3.423 | 0.0 | 45.022 | 4.465 | 0.0 | 48.635 | 2.924 | 0.0 | 53.494 | 3.826 | 0.0 | 45.016 | 3.245 | 0.0 | 44.121 | 3.931 |
| 130 | 17483 | 17484 | SN | 1 | 0.0 | 44.948 | 3.417 | 0.0 | 47.451 | 3.812 | 0.0 | 38.087 | 3.265 | 0.0 | 40.845 | 4.5   | 0.0 | 44.955 | 3.472 | 0.0 | 48.114 | 3.441 | 0.0 | 38.546 | 3.189 | 0.0 | 39.413 | 4.163 |
| 131 | 17483 | 17484 | NS | 1 | 0.0 | 45.361 | 0.952 | 0.0 | 45.686 | 1.172 | 0.0 | 44.776 | 1.048 | 0.0 | 41.303 | 1.309 | 0.0 | 44.304 | 0.945 | 0.0 | 42.337 | 1.102 | 0.0 | 43.269 | 0.948 | 0.0 | 41.647 | 1.094 |
| 132 | 17483 | 17484 | NS | 1 | 0.0 | 47.745 | 3.189 | 0.0 | 53.141 | 4.494 | 0.0 | 45.881 | 3.674 | 0.0 | 45.022 | 4.987 | 0.0 | 48.635 | 3.224 | 0.0 | 53.494 | 4.22  | 0.0 | 45.016 | 3.449 | 0.0 | 44.121 | 4.354 |
| 133 | 17483 | 17484 | NS | 1 | 0.0 | 45.361 | 0.959 | 0.0 | 45.686 | 1.174 | 0.0 | 44.776 | 1.059 | 0.0 | 41.303 | 1.312 | 0.0 | 44.304 | 0.943 | 0.0 | 42.337 | 1.116 | 0.0 | 43.269 | 0.956 | 0.0 | 41.647 | 1.099 |
| 134 | 17483 | 17484 | NS | 1 | 0.0 | 45.361 | 1.057 | 0.0 | 45.686 | 1.337 | 0.0 | 44.776 | 1.122 | 0.0 | 41.303 | 1.497 | 0.0 | 44.304 | 1.057 | 0.0 | 42.337 | 1.263 | 0.0 | 43.269 | 1.017 | 0.0 | 41.647 | 1.238 |
| 135 | 17484 | 17485 | SN | 1 | 0.0 | 55.169 | 4.329 | 0.0 | 50.03  | 5.162 | 0.0 | 49.117 | 3.977 | 0.0 | 42.912 | 4.764 | 0.0 | 54.663 | 4.454 | 0.0 | 50.289 | 4.809 | 0.0 | 49.529 | 3.955 | 0.0 | 43.955 | 4.436 |
| 136 | 17484 | 17485 | SN | 1 | 0.0 | 55.169 | 4.232 | 0.0 | 50.03  | 5.034 | 0.0 | 49.117 | 3.866 | 0.0 | 42.912 | 4.661 | 0.0 | 54.663 | 4.343 | 0.0 | 50.289 | 4.699 | 0.0 | 49.529 | 3.823 | 0.0 | 43.955 | 4.341 |
| 137 | 17484 | 17485 | SN | 1 | 0.0 | 44.331 | 1.056 | 0.0 | 52.245 | 1.314 | 0.0 | 40.401 | 1.101 | 0.0 | 42.02  | 1.357 | 0.0 | 44.087 | 1.042 | 0.0 | 52.918 | 1.277 | 0.0 | 36.915 | 1.061 | 0.0 | 41.167 | 1.246 |
| 138 | 17484 | 17485 | SN | 1 | 0.0 | 44.331 | 1.028 | 0.0 | 52.245 | 1.283 | 0.0 | 40.401 | 1.062 | 0.0 | 42.02  | 1.329 | 0.0 | 44.087 | 1.017 | 0.0 | 52.918 | 1.252 | 0.0 | 36.915 | 1.021 | 0.0 | 41.167 | 1.221 |
| 139 | 17484 | 17485 | SN | 1 | 0.0 | 44.331 | 1.028 | 0.0 | 52.245 | 1.283 | 0.0 | 40.401 | 1.062 | 0.0 | 42.02  | 1.329 | 0.0 | 44.087 | 1.017 | 0.0 | 52.918 | 1.252 | 0.0 | 36.915 | 1.021 | 0.0 | 41.167 | 1.221 |

|                          |            |      |        |        |            |
|--------------------------|------------|------|--------|--------|------------|
| Parameter Specifications | Parameters | SNR  | Sigma0 | Normal | Deviations |
|                          | Range      | 20.0 | 20.0   |        |            |

|     |       |       |    |   |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 140 | 17484 | 17485 | NS | 1 | 0.0 | 52.2   | 7.29  | 0.0 | 53.543 | 9.188 | 0.0 | 45.445 | 5.728 | 0.0 | 45.8   | 6.545 | 0.0 | 53.268 | 7.402 | 0.0 | 54.548 | 8.985 | 0.0 | 45.39  | 5.486 | 0.0 | 46.38  | 6.331 |
| 141 | 17484 | 17485 | NS | 1 | 0.0 | 47.999 | 1.904 | 0.0 | 45.674 | 2.548 | 0.0 | 43.973 | 1.549 | 0.0 | 45.391 | 2.018 | 0.0 | 48.092 | 1.938 | 0.0 | 46.009 | 2.428 | 0.0 | 44.911 | 1.476 | 0.0 | 45.304 | 1.807 |
| 142 | 17484 | 17485 | NS | 1 | 0.0 | 56.385 | 1.877 | 0.0 | 45.985 | 2.5   | 0.0 | 44.247 | 1.533 | 0.0 | 43.013 | 1.995 | 0.0 | 56.395 | 1.881 | 0.0 | 45.168 | 2.387 | 0.0 | 42.862 | 1.467 | 0.0 | 45.031 | 1.782 |
| 143 | 17484 | 17485 | NS | 1 | 0.0 | 55.301 | 7.351 | 0.0 | 54.464 | 9.127 | 0.0 | 49.057 | 5.685 | 0.0 | 45.838 | 6.623 | 0.0 | 55.117 | 7.402 | 0.0 | 55.468 | 8.954 | 0.0 | 48.652 | 5.458 | 0.0 | 45.76  | 6.317 |
| 144 | 17484 | 17485 | SN | 1 | 0.0 | 55.169 | 4.232 | 0.0 | 50.03  | 5.034 | 0.0 | 49.117 | 3.866 | 0.0 | 42.912 | 4.661 | 0.0 | 54.663 | 4.343 | 0.0 | 50.289 | 4.699 | 0.0 | 49.529 | 3.823 | 0.0 | 43.955 | 4.341 |
| 145 | 17485 | 17486 | SN | 1 | 0.0 | 48.687 | 2.55  | 0.0 | 43.24  | 3.045 | 0.0 | 41.529 | 2.958 | 0.0 | 40.565 | 3.866 | 0.0 | 49.051 | 2.56  | 0.0 | 42.503 | 2.964 | 0.0 | 39.466 | 2.901 | 0.0 | 40.931 | 3.41  |
| 146 | 17485 | 17486 | SN | 1 | 0.0 | 40.123 | 0.789 | 0.0 | 39.326 | 1.042 | 0.0 | 43.531 | 0.904 | 0.0 | 37.352 | 1.289 | 0.0 | 40.01  | 0.769 | 0.0 | 39.872 | 0.974 | 0.0 | 42.327 | 0.858 | 0.0 | 38.552 | 1.115 |
| 147 | 17485 | 17486 | SN | 1 | 0.0 | 40.123 | 0.798 | 0.0 | 39.326 | 1.054 | 0.0 | 43.531 | 0.915 | 0.0 | 37.352 | 1.304 | 0.0 | 40.01  | 0.778 | 0.0 | 39.872 | 0.985 | 0.0 | 42.327 | 0.869 | 0.0 | 38.552 | 1.128 |
| 148 | 17485 | 17486 | NS | 1 | 0.0 | 52.423 | 1.426 | 0.0 | 54.741 | 1.723 | 0.0 | 42.552 | 1.433 | 0.0 | 45.152 | 1.663 | 0.0 | 54.095 | 1.46  | 0.0 | 53.753 | 1.669 | 0.0 | 40.345 | 1.463 | 0.0 | 45.346 | 1.562 |
| 149 | 17485 | 17486 | SN | 1 | 0.0 | 49.835 | 2.571 | 0.0 | 46.162 | 3.084 | 0.0 | 40.084 | 2.987 | 0.0 | 40.075 | 3.901 | 0.0 | 49.559 | 2.602 | 0.0 | 47.898 | 2.981 | 0.0 | 39.487 | 2.922 | 0.0 | 40.736 | 3.454 |
| 150 | 17485 | 17486 | SN | 1 | 0.0 | 48.687 | 2.581 | 0.0 | 43.24  | 3.076 | 0.0 | 41.529 | 2.994 | 0.0 | 40.565 | 3.906 | 0.0 | 49.051 | 2.591 | 0.0 | 42.503 | 2.994 | 0.0 | 39.466 | 2.937 | 0.0 | 40.931 | 3.445 |
| 151 | 17485 | 17486 | NS | 1 | 0.0 | 58.152 | 4.903 | 0.0 | 55.579 | 5.53  | 0.0 | 44.807 | 4.582 | 0.0 | 48.064 | 5.112 | 0.0 | 58.51  | 4.923 | 0.0 | 56.188 | 5.398 | 0.0 | 44.819 | 4.653 | 0.0 | 50.195 | 4.884 |
| 152 | 17485 | 17486 | NS | 1 | 0.0 | 58.24  | 4.923 | 0.0 | 55.579 | 5.509 | 0.0 | 44.807 | 4.582 | 0.0 | 48.825 | 5.14  | 0.0 | 58.599 | 4.933 | 0.0 | 56.188 | 5.398 | 0.0 | 44.819 | 4.66  | 0.0 | 50.956 | 4.912 |
| 153 | 17485 | 17486 | NS | 1 | 0.0 | 52.423 | 1.426 | 0.0 | 54.741 | 1.71  | 0.0 | 42.552 | 1.438 | 0.0 | 45.913 | 1.668 | 0.0 | 54.095 | 1.463 | 0.0 | 53.752 | 1.662 | 0.0 | 40.345 | 1.467 | 0.0 | 46.107 | 1.573 |
| 154 | 17485 | 17486 | SN | 1 | 0.0 | 40.319 | 0.789 | 0.0 | 42.269 | 1.052 | 0.0 | 39.051 | 0.926 | 0.0 | 37.295 | 1.3   | 0.0 | 39.657 | 0.78  | 0.0 | 42.693 | 0.99  | 0.0 | 39.125 | 0.887 | 0.0 | 38.044 | 1.13  |
| 155 | 17486 | 17487 | SN | 1 | 0.0 | 39.195 | 0.913 | 0.0 | 47.12  | 1.102 | 0.0 | 39.142 | 1.115 | 0.0 | 43.766 | 1.583 | 0.0 | 38.693 | 0.897 | 0.0 | 46.255 | 1.068 | 0.0 | 37.254 | 1.008 | 0.0 | 41.241 | 1.275 |
| 156 | 17486 | 17487 | NS | 1 | 0.0 | 39.996 | 0.728 | 0.0 | 40.767 | 1.21  | 0.0 | 48.424 | 1.052 | 0.0 | 42.991 | 1.42  | 0.0 | 39.215 | 0.726 | 0.0 | 39.314 | 1.12  | 0.0 | 45.218 | 1.0   | 0.0 | 41.191 | 1.239 |
| 157 | 17486 | 17487 | NS | 1 | 0.0 | 41.922 | 2.68  | 0.0 | 38.683 | 4.169 | 0.0 | 48.424 | 3.074 | 0.0 | 36.983 | 4.194 | 0.0 | 41.078 | 2.721 | 0.0 | 39.547 | 3.997 | 0.0 | 47.867 | 2.968 | 0.0 | 35.674 | 3.823 |
| 158 | 17486 | 17487 | SN | 1 | 0.0 | 45.383 | 3.246 | 0.0 | 46.009 | 3.772 | 0.0 | 38.061 | 3.189 | 0.0 | 43.209 | 4.475 | 0.0 | 45.495 | 3.164 | 0.0 | 45.904 | 3.452 | 0.0 | 38.288 | 3.117 | 0.0 | 41.206 | 3.839 |
| 159 | 17486 | 17487 | SN | 1 | 0.0 | 39.195 | 0.899 | 0.0 | 47.12  | 1.087 | 0.0 | 39.142 | 1.1   | 0.0 | 43.766 | 1.562 | 0.0 | 38.693 | 0.883 | 0.0 | 46.255 | 1.053 | 0.0 | 37.254 | 0.994 | 0.0 | 41.241 | 1.257 |
| 160 | 17486 | 17487 | SN | 1 | 0.0 | 45.383 | 3.198 | 0.0 | 46.009 | 3.714 | 0.0 | 38.061 | 3.141 | 0.0 | 43.209 | 4.413 | 0.0 | 45.495 | 3.117 | 0.0 | 45.904 | 3.4   | 0.0 | 38.288 | 3.07  | 0.0 | 41.206 | 3.78  |
| 161 | 17487 | 17488 | NS | 1 | 0.0 | 39.569 | 1.069 | 0.0 | 44.673 | 1.622 | 0.0 | 42.482 | 1.158 | 0.0 | 41.458 | 1.505 | 0.0 | 41.1   | 1.078 | 0.0 | 43.328 | 1.498 | 0.0 | 40.456 | 1.122 | 0.0 | 38.182 | 1.346 |
| 162 | 17487 | 17488 | SN | 1 | 0.0 | 45.128 | 2.382 | 0.0 | 42.805 | 3.012 | 0.0 | 40.321 | 2.795 | 0.0 | 37.468 | 3.854 | 0.0 | 44.998 | 2.32  | 0.0 | 40.204 | 2.825 | 0.0 | 39.99  | 2.845 | 0.0 | 41.084 | 3.213 |
| 163 | 17487 | 17488 | NS | 1 | 0.0 | 45.114 | 4.315 | 0.0 | 54.063 | 6.057 | 0.0 | 46.17  | 3.9   | 0.0 | 40.601 | 5.212 | 0.0 | 45.306 | 4.325 | 0.0 | 54.305 | 5.722 | 0.0 | 44.702 | 3.95  | 0.0 | 43.1   | 4.77  |
| 164 | 17487 | 17488 | NS | 1 | 0.0 | 48.661 | 4.517 | 0.0 | 53.791 | 6.235 | 0.0 | 40.799 | 3.864 | 0.0 | 42.744 | 5.172 | 0.0 | 50.804 | 4.527 | 0.0 | 53.478 | 5.739 | 0.0 | 42.074 | 3.928 | 0.0 | 41.741 | 4.802 |
| 165 | 17487 | 17488 | SN | 1 | 0.0 | 45.128 | 2.328 | 0.0 | 42.818 | 2.903 | 0.0 | 40.321 | 2.772 | 0.0 | 37.468 | 3.787 | 0.0 | 44.524 | 2.267 | 0.0 | 40.088 | 2.75  | 0.0 | 39.99  | 2.78  | 0.0 | 41.084 | 3.139 |
| 166 | 17487 | 17488 | SN | 1 | 0.0 | 45.128 | 2.318 | 0.0 | 42.805 | 2.943 | 0.0 | 40.321 | 2.737 | 0.0 | 37.468 | 3.773 | 0.0 | 44.998 | 2.257 | 0.0 | 40.204 | 2.761 | 0.0 | 39.99  | 2.787 | 0.0 | 41.084 | 3.132 |
| 167 | 17487 | 17488 | SN | 1 | 0.0 | 39.207 | 0.701 | 0.0 | 39.503 | 0.856 | 0.0 | 43.093 | 0.951 | 0.0 | 35.779 | 1.403 | 0.0 | 39.269 | 0.694 | 0.0 | 38.282 | 0.763 | 0.0 | 42.689 | 0.867 | 0.0 | 34.779 | 1.143 |
| 168 | 17487 | 17488 | NS | 1 | 0.0 | 39.271 | 1.11  | 0.0 | 47.123 | 1.752 | 0.0 | 47.035 | 1.085 | 0.0 | 37.558 | 1.562 | 0.0 | 40.209 | 1.106 | 0.0 | 47.021 | 1.619 | 0.0 | 46.382 | 1.062 | 0.0 | 39.515 | 1.432 |
| 169 | 17487 | 17488 | SN | 1 | 0.0 | 39.207 | 0.689 | 0.0 | 39.503 | 0.836 | 0.0 | 43.093 | 0.932 | 0.0 | 35.779 | 1.376 | 0.0 | 39.269 | 0.678 | 0.0 | 38.282 | 0.746 | 0.0 | 42.689 | 0.851 | 0.0 | 34.779 | 1.115 |
| 170 | 17487 | 17488 | SN | 1 | 0.0 | 39.096 | 0.687 | 0.0 | 39.503 | 0.832 | 0.0 | 43.092 | 0.959 | 0.0 | 46.569 | 1.36  | 0.0 | 39.217 | 0.683 | 0.0 | 38.282 | 0.748 | 0.0 | 42.89  | 0.87  | 0.0 | 44.146 | 1.095 |
| 171 | 17488 | 17489 | NS | 1 | 0.0 | 49.683 | 3.412 | 0.0 | 50.562 | 4.609 | 0.0 | 39.458 | 3.75  | 0.0 | 46.094 | 5.277 | 0.0 | 50.129 | 3.564 | 0.0 | 50.854 | 4.223 | 0.0 | 40.403 | 3.686 | 0.0 | 46.179 | 4.679 |
| 172 | 17488 | 17489 | SN | 1 | 0.0 | 41.559 | 3.017 | 0.0 | 41.432 | 3.958 | 0.0 | 40.353 | 3.419 | 0.0 | 38.463 | 4.896 | 0.0 | 41.871 | 3.067 | 0.0 | 40.914 | 3.491 | 0.0 | 41.736 | 3.149 | 0.0 | 38.165 | 4.242 |
| 173 | 17488 | 17489 | SN | 1 | 0.0 | 34.761 | 0.84  | 0.0 | 43.157 | 1.179 | 0.0 | 37.031 | 1.158 | 0.0 | 40.989 | 1.603 | 0.0 | 34.26  | 0.828 | 0.0 | 43.395 | 1.001 | 0.0 | 34.952 | 1.045 | 0.0 | 38.903 | 1.242 |
| 174 | 17488 | 17489 | SN | 1 | 0.0 | 41.559 | 3.017 | 0.0 | 41.432 | 3.938 | 0.0 | 40.353 | 3.391 | 0.0 | 37.233 | 4.889 | 0.0 | 41.871 | 3.057 | 0.0 | 40.914 | 3.461 | 0.0 | 41.736 | 3.121 | 0.0 | 38.167 | 4.227 |
| 175 | 17488 | 17489 | NS | 1 | 0.0 | 46.373 | 3.724 | 0.0 | 48.209 | 4.306 | 0.0 | 44.196 | 3.813 | 0.0 | 45.872 | 4.96  | 0.0 | 46.922 | 3.653 | 0.0 | 46.472 | 4.164 | 0.0 | 43.977 | 3.827 | 0.0 | 41.966 | 4.491 |

|                          |            |      |        |        |            |
|--------------------------|------------|------|--------|--------|------------|
| Parameter Specifications | Parameters | SNR  | Sigma0 | Normal | Deviations |
|                          | Range      | 20.0 | 20.0   |        |            |

|     |       |       |    |   |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 176 | 17488 | 17489 | NS | 1 | 0.0 | 45.304 | 0.997 | 0.0 | 38.649 | 1.252 | 0.0 | 41.447 | 1.186 | 0.0 | 39.922 | 1.684 | 0.0 | 47.001 | 0.99  | 0.0 | 39.578 | 1.161 | 0.0 | 41.437 | 1.168 | 0.0 | 40.795 | 1.474 |
| 177 | 17488 | 17489 | SN | 1 | 0.0 | 34.761 | 0.823 | 0.0 | 43.296 | 1.143 | 0.0 | 37.031 | 1.12  | 0.0 | 40.989 | 1.563 | 0.0 | 34.26  | 0.805 | 0.0 | 43.534 | 0.969 | 0.0 | 35.229 | 1.012 | 0.0 | 38.947 | 1.212 |
| 178 | 17488 | 17489 | SN | 1 | 0.0 | 34.761 | 0.811 | 0.0 | 43.157 | 1.139 | 0.0 | 37.031 | 1.117 | 0.0 | 40.989 | 1.565 | 0.0 | 34.26  | 0.8   | 0.0 | 43.395 | 0.967 | 0.0 | 35.229 | 1.007 | 0.0 | 38.903 | 1.21  |
| 179 | 17488 | 17489 | NS | 1 | 0.0 | 39.736 | 0.929 | 0.0 | 43.401 | 1.217 | 0.0 | 42.1   | 1.11  | 0.0 | 37.341 | 1.651 | 0.0 | 41.27  | 0.918 | 0.0 | 40.435 | 1.143 | 0.0 | 40.007 | 1.09  | 0.0 | 36.007 | 1.449 |
| 180 | 17488 | 17489 | SN | 1 | 0.0 | 41.559 | 3.124 | 0.0 | 41.432 | 4.051 | 0.0 | 40.353 | 3.49  | 0.0 | 37.233 | 5.042 | 0.0 | 41.871 | 3.166 | 0.0 | 40.914 | 3.578 | 0.0 | 41.736 | 3.233 | 0.0 | 38.167 | 4.363 |
| 181 | 17489 | 17490 | NS | 1 | 0.0 | 51.647 | 5.989 | 0.0 | 49.219 | 7.057 | 0.0 | 40.986 | 5.642 | 0.0 | 44.469 | 7.255 | 0.0 | 53.111 | 5.928 | 0.0 | 47.563 | 6.701 | 0.0 | 40.329 | 5.649 | 0.0 | 41.689 | 6.657 |
| 182 | 17489 | 17490 | NS | 1 | 0.0 | 51.647 | 5.958 | 0.0 | 49.41  | 7.067 | 0.0 | 40.986 | 5.649 | 0.0 | 44.469 | 7.212 | 0.0 | 53.111 | 5.918 | 0.0 | 48.258 | 6.691 | 0.0 | 40.358 | 5.656 | 0.0 | 41.686 | 6.657 |
| 183 | 17489 | 17490 | SN | 1 | 0.0 | 50.486 | 3.988 | 0.0 | 45.366 | 5.187 | 0.0 | 43.273 | 3.511 | 0.0 | 44.598 | 4.649 | 0.0 | 51.007 | 3.978 | 0.0 | 46.71  | 4.781 | 0.0 | 44.09  | 3.333 | 0.0 | 43.372 | 4.108 |
| 184 | 17489 | 17490 | SN | 1 | 0.0 | 50.486 | 3.957 | 0.0 | 45.366 | 5.187 | 0.0 | 43.273 | 3.504 | 0.0 | 43.205 | 4.642 | 0.0 | 51.007 | 3.978 | 0.0 | 46.71  | 4.761 | 0.0 | 44.09  | 3.333 | 0.0 | 43.123 | 4.122 |
| 185 | 17489 | 17490 | SN | 1 | 0.0 | 40.92  | 0.89  | 0.0 | 41.172 | 1.209 | 0.0 | 35.29  | 0.92  | 0.0 | 38.319 | 1.353 | 0.0 | 41.502 | 0.87  | 0.0 | 43.171 | 1.132 | 0.0 | 34.8   | 0.865 | 0.0 | 35.675 | 1.133 |
| 186 | 17489 | 17490 | SN | 1 | 0.0 | 40.918 | 0.886 | 0.0 | 41.172 | 1.205 | 0.0 | 35.29  | 0.916 | 0.0 | 45.434 | 1.351 | 0.0 | 41.5   | 0.865 | 0.0 | 43.171 | 1.128 | 0.0 | 35.996 | 0.853 | 0.0 | 41.188 | 1.145 |
| 187 | 17489 | 17490 | SN | 1 | 0.0 | 40.918 | 0.926 | 0.0 | 41.172 | 1.271 | 0.0 | 35.29  | 0.968 | 0.0 | 45.434 | 1.403 | 0.0 | 41.5   | 0.907 | 0.0 | 43.171 | 1.19  | 0.0 | 35.996 | 0.907 | 0.0 | 41.188 | 1.199 |
| 188 | 17489 | 17490 | SN | 1 | 0.0 | 50.486 | 4.181 | 0.0 | 45.366 | 5.443 | 0.0 | 43.273 | 3.679 | 0.0 | 44.598 | 4.885 | 0.0 | 51.007 | 4.192 | 0.0 | 46.71  | 5.026 | 0.0 | 44.09  | 3.5   | 0.0 | 43.372 | 4.33  |
| 189 | 17489 | 17490 | NS | 1 | 0.0 | 39.161 | 1.648 | 0.0 | 47.05  | 2.064 | 0.0 | 42.884 | 1.797 | 0.0 | 46.201 | 2.362 | 0.0 | 39.709 | 1.677 | 0.0 | 49.948 | 1.951 | 0.0 | 47.084 | 1.756 | 0.0 | 46.401 | 2.117 |
| 190 | 17489 | 17490 | NS | 1 | 0.0 | 39.766 | 1.652 | 0.0 | 52.892 | 2.066 | 0.0 | 43.644 | 1.802 | 0.0 | 46.201 | 2.365 | 0.0 | 40.312 | 1.677 | 0.0 | 52.96  | 1.949 | 0.0 | 47.844 | 1.761 | 0.0 | 46.401 | 2.115 |
| 191 | 17490 | 17491 | SN | 1 | 0.0 | 43.827 | 1.369 | 0.0 | 48.857 | 1.698 | 0.0 | 41.964 | 1.271 | 0.0 | 44.445 | 1.476 | 0.0 | 43.327 | 1.325 | 0.0 | 48.268 | 1.537 | 0.0 | 41.057 | 1.148 | 0.0 | 40.801 | 1.258 |
| 192 | 17490 | 17491 | NS | 1 | 0.0 | 43.701 | 1.119 | 0.0 | 44.438 | 1.438 | 0.0 | 41.749 | 1.331 | 0.0 | 43.587 | 1.84  | 0.0 | 42.943 | 1.137 | 0.0 | 46.943 | 1.359 | 0.0 | 37.525 | 1.285 | 0.0 | 42.385 | 1.645 |
| 193 | 17490 | 17491 | NS | 1 | 0.0 | 49.346 | 4.392 | 0.0 | 43.079 | 5.946 | 0.0 | 42.47  | 4.437 | 0.0 | 47.347 | 5.27  | 0.0 | 48.25  | 4.494 | 0.0 | 44.48  | 5.723 | 0.0 | 45.563 | 4.331 | 0.0 | 44.129 | 4.851 |
| 194 | 17490 | 17491 | SN | 1 | 0.0 | 53.153 | 5.343 | 0.0 | 49.153 | 6.038 | 0.0 | 44.71  | 4.733 | 0.0 | 45.032 | 5.23  | 0.0 | 52.143 | 5.364 | 0.0 | 47.802 | 5.435 | 0.0 | 45.589 | 4.611 | 0.0 | 42.117 | 4.622 |
| 195 | 17490 | 17491 | NS | 1 | 0.0 | 49.069 | 4.283 | 0.0 | 44.014 | 6.021 | 0.0 | 39.759 | 4.304 | 0.0 | 43.147 | 5.467 | 0.0 | 49.627 | 4.253 | 0.0 | 42.681 | 5.919 | 0.0 | 38.371 | 4.183 | 0.0 | 42.021 | 4.948 |
| 196 | 17490 | 17491 | NS | 1 | 0.0 | 43.22  | 1.069 | 0.0 | 41.826 | 1.445 | 0.0 | 39.192 | 1.36  | 0.0 | 43.189 | 1.78  | 0.0 | 43.77  | 1.115 | 0.0 | 41.144 | 1.393 | 0.0 | 40.89  | 1.294 | 0.0 | 42.021 | 1.635 |
| 197 | 17490 | 17491 | SN | 1 | 0.0 | 53.153 | 4.98  | 0.0 | 51.606 | 5.614 | 0.0 | 44.71  | 4.397 | 0.0 | 45.032 | 4.927 | 0.0 | 52.143 | 4.97  | 0.0 | 53.111 | 5.055 | 0.0 | 45.589 | 4.284 | 0.0 | 42.117 | 4.329 |
| 198 | 17490 | 17491 | SN | 1 | 0.0 | 51.891 | 4.919 | 0.0 | 50.347 | 5.614 | 0.0 | 44.382 | 4.419 | 0.0 | 44.646 | 4.934 | 0.0 | 51.894 | 4.97  | 0.0 | 51.854 | 5.055 | 0.0 | 45.335 | 4.291 | 0.0 | 42.961 | 4.329 |
| 199 | 17490 | 17491 | SN | 1 | 0.0 | 43.842 | 1.275 | 0.0 | 46.323 | 1.562 | 0.0 | 43.383 | 1.183 | 0.0 | 43.058 | 1.379 | 0.0 | 43.343 | 1.262 | 0.0 | 46.005 | 1.408 | 0.0 | 42.971 | 1.086 | 0.0 | 39.413 | 1.175 |
| 200 | 17490 | 17491 | SN | 1 | 0.0 | 43.827 | 1.269 | 0.0 | 48.857 | 1.575 | 0.0 | 41.964 | 1.191 | 0.0 | 44.445 | 1.385 | 0.0 | 43.327 | 1.228 | 0.0 | 48.268 | 1.422 | 0.0 | 41.057 | 1.074 | 0.0 | 40.801 | 1.175 |
| 201 | 17491 | 17492 | SN | 1 | 0.0 | 53.064 | 4.868 | 0.0 | 51.741 | 5.541 | 0.0 | 46.453 | 4.418 | 0.0 | 47.657 | 4.968 | 0.0 | 54.646 | 4.949 | 0.0 | 49.75  | 5.399 | 0.0 | 46.03  | 4.347 | 0.0 | 47.312 | 4.676 |
| 202 | 17491 | 17492 | SN | 1 | 0.0 | 53.064 | 4.878 | 0.0 | 51.741 | 5.541 | 0.0 | 46.453 | 4.389 | 0.0 | 47.657 | 4.968 | 0.0 | 54.646 | 4.949 | 0.0 | 49.75  | 5.399 | 0.0 | 46.03  | 4.34  | 0.0 | 47.312 | 4.676 |
| 203 | 17491 | 17492 | NS | 1 | 0.0 | 39.759 | 0.645 | 0.0 | 48.392 | 0.856 | 0.0 | 35.799 | 0.734 | 0.0 | 41.119 | 1.046 | 0.0 | 40.479 | 0.688 | 0.0 | 48.83  | 0.802 | 0.0 | 36.277 | 0.702 | 0.0 | 37.916 | 0.995 |
| 204 | 17491 | 17492 | SN | 1 | 0.0 | 53.064 | 4.878 | 0.0 | 51.741 | 5.541 | 0.0 | 46.453 | 4.389 | 0.0 | 47.657 | 4.968 | 0.0 | 54.646 | 4.949 | 0.0 | 49.75  | 5.399 | 0.0 | 46.03  | 4.34  | 0.0 | 47.312 | 4.676 |
| 205 | 17491 | 17492 | NS | 1 | 0.0 | 40.361 | 0.624 | 0.0 | 43.362 | 0.872 | 0.0 | 37.826 | 0.751 | 0.0 | 41.576 | 1.082 | 0.0 | 40.274 | 0.642 | 0.0 | 41.194 | 0.804 | 0.0 | 38.845 | 0.725 | 0.0 | 39.521 | 0.92  |
| 206 | 17491 | 17492 | SN | 1 | 0.0 | 42.221 | 1.426 | 0.0 | 48.757 | 1.559 | 0.0 | 39.569 | 1.242 | 0.0 | 42.908 | 1.496 | 0.0 | 41.811 | 1.404 | 0.0 | 47.202 | 1.543 | 0.0 | 38.945 | 1.201 | 0.0 | 44.28  | 1.404 |
| 207 | 17491 | 17492 | SN | 1 | 0.0 | 42.221 | 1.573 | 0.0 | 48.757 | 1.71  | 0.0 | 39.569 | 1.37  | 0.0 | 42.908 | 1.603 | 0.0 | 41.811 | 1.55  | 0.0 | 47.202 | 1.697 | 0.0 | 38.945 | 1.325 | 0.0 | 44.28  | 1.53  |
| 208 | 17491 | 17492 | SN | 1 | 0.0 | 42.221 | 1.427 | 0.0 | 48.757 | 1.559 | 0.0 | 39.569 | 1.24  | 0.0 | 42.908 | 1.494 | 0.0 | 41.811 | 1.405 | 0.0 | 47.202 | 1.543 | 0.0 | 38.945 | 1.199 | 0.0 | 44.28  | 1.404 |
| 209 | 17491 | 17492 | NS | 1 | 0.0 | 46.21  | 2.304 | 0.0 | 41.88  | 2.624 | 0.0 | 48.113 | 2.433 | 0.0 | 45.796 | 3.445 | 0.0 | 45.801 | 2.325 | 0.0 | 42.746 | 2.553 | 0.0 | 48.102 | 2.519 | 0.0 | 43.432 | 2.87  |
| 210 | 17491 | 17492 | SN | 1 | 0.0 | 42.221 | 1.427 | 0.0 | 48.757 | 1.559 | 0.0 | 39.569 | 1.24  | 0.0 | 42.908 | 1.494 | 0.0 | 41.811 | 1.405 | 0.0 | 47.202 | 1.543 | 0.0 | 38.945 | 1.199 | 0.0 | 44.28  | 1.404 |
| 211 | 17491 | 17492 | NS | 1 | 0.0 | 47.895 | 2.112 | 0.0 | 43.916 | 2.711 | 0.0 | 44.055 | 2.541 | 0.0 | 47.222 | 3.268 | 0.0 | 48.752 | 2.163 | 0.0 | 44.927 | 2.751 | 0.0 | 42.4   | 2.469 | 0.0 | 46.15  | 2.998 |

|                          |            |      |        |          |             |
|--------------------------|------------|------|--------|----------|-------------|
| Parameter Specifications | Parameters | SNR  | Sigma0 | Normal   | Deviations  |
|                          | Range      | 20.0 | 20.0   | Alarming | High Errors |

|     |       |       |    |   |       |        |       |       |        |       |     |        |       |     |        |       |       |        |       |      |        |       |     |        |       |     |        |       |
|-----|-------|-------|----|---|-------|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|-------|--------|-------|------|--------|-------|-----|--------|-------|-----|--------|-------|
| 212 | 17491 | 17492 | SN | 1 | 0.0   | 53.064 | 5.344 | 0.0   | 51.741 | 6.065 | 0.0 | 46.453 | 4.868 | 0.0 | 47.657 | 5.305 | 0.0   | 54.646 | 5.422 | 0.0  | 49.75  | 5.896 | 0.0 | 46.03  | 4.821 | 0.0 | 47.312 | 5.107 |
| 213 | 17492 | 17493 | NS | 1 | 0.0   | 46.54  | 4.589 | 0.0   | 48.421 | 6.225 | 0.0 | 44.484 | 4.411 | 0.0 | 48.03  | 5.804 | 0.0   | 46.93  | 4.559 | 0.0  | 47.94  | 5.971 | 0.0 | 47.142 | 4.184 | 0.0 | 46.155 | 4.936 |
| 214 | 17492 | 17493 | NS | 1 | 0.0   | 52.261 | 4.569 | 0.0   | 49.213 | 6.275 | 0.0 | 45.109 | 4.49  | 0.0 | 48.03  | 5.719 | 0.0   | 52.417 | 4.62  | 0.0  | 48.545 | 6.022 | 0.0 | 47.763 | 4.24  | 0.0 | 45.927 | 4.871 |
| 215 | 17492 | 17493 | SN | 1 | 0.0   | 47.77  | 4.541 | 0.0   | 46.169 | 5.49  | 0.0 | 48.986 | 4.275 | 0.0 | 43.672 | 4.989 | 0.0   | 48.008 | 4.491 | 0.0  | 46.215 | 5.307 | 0.0 | 48.202 | 4.438 | 0.0 | 43.324 | 4.882 |
| 216 | 17492 | 17493 | SN | 1 | 0.0   | 47.77  | 4.541 | 0.0   | 46.169 | 5.49  | 0.0 | 48.986 | 4.275 | 0.0 | 43.672 | 4.989 | 0.0   | 48.008 | 4.491 | 0.0  | 46.215 | 5.307 | 0.0 | 48.202 | 4.438 | 0.0 | 43.324 | 4.882 |
| 217 | 17492 | 17493 | NS | 1 | 0.0   | 46.622 | 1.318 | 0.0   | 49.688 | 1.879 | 0.0 | 43.655 | 1.195 | 0.0 | 48.774 | 1.761 | 0.0   | 47.226 | 1.316 | 0.0  | 49.742 | 1.757 | 0.0 | 41.664 | 1.137 | 0.0 | 43.913 | 1.509 |
| 218 | 17492 | 17493 | NS | 1 | 0.0   | 46.495 | 1.296 | 0.0   | 44.077 | 1.868 | 0.0 | 43.649 | 1.227 | 0.0 | 40.61  | 1.782 | 0.0   | 47.1   | 1.327 | 0.0  | 43.094 | 1.767 | 0.0 | 41.655 | 1.156 | 0.0 | 39.065 | 1.541 |
| 219 | 17492 | 17493 | SN | 1 | 0.0   | 36.747 | 1.221 | 0.0   | 44.974 | 1.713 | 0.0 | 36.65  | 1.335 | 0.0 | 45.972 | 1.769 | 0.0   | 37.894 | 1.232 | 0.0  | 46.959 | 1.676 | 0.0 | 36.266 | 1.348 | 0.0 | 45.377 | 1.629 |
| 220 | 17492 | 17493 | SN | 1 | 0.0   | 36.747 | 1.221 | 0.0   | 44.974 | 1.713 | 0.0 | 36.65  | 1.335 | 0.0 | 45.972 | 1.769 | 0.0   | 37.894 | 1.232 | 0.0  | 46.959 | 1.676 | 0.0 | 36.266 | 1.348 | 0.0 | 45.377 | 1.629 |
| 221 | 17493 | 17494 | NS | 1 | 0.0   | 42.745 | 1.037 | 0.0   | 45.705 | 1.549 | 0.0 | 40.745 | 1.2   | 0.0 | 41.952 | 1.587 | 0.0   | 43.464 | 0.999 | 0.0  | 47.302 | 1.508 | 0.0 | 41.312 | 1.136 | 0.0 | 38.355 | 1.358 |
| 222 | 17493 | 17494 | NS | 1 | 0.0   | 43.262 | 4.028 | 0.0   | 54.113 | 5.388 | 0.0 | 43.177 | 3.82  | 0.0 | 42.897 | 5.049 | 0.0   | 45.2   | 4.089 | 0.0  | 52.813 | 5.135 | 0.0 | 44.173 | 3.841 | 0.0 | 42.485 | 4.524 |
| 223 | 17493 | 17494 | SN | 1 | 0.0   | 55.152 | 1.004 | 0.0   | 50.539 | 1.234 | 0.0 | 40.651 | 1.168 | 0.0 | 38.779 | 1.525 | 0.0   | 55.441 | 0.993 | 0.0  | 50.99  | 1.13  | 0.0 | 40.808 | 1.131 | 0.0 | 36.84  | 1.364 |
| 224 | 17493 | 17494 | SN | 1 | 0.0   | 49.747 | 4.44  | 0.0   | 59.654 | 5.004 | 0.0 | 47.713 | 3.884 | 0.0 | 41.323 | 4.478 | 0.0   | 49.592 | 4.339 | 0.0  | 59.607 | 4.73  | 0.0 | 48.014 | 3.764 | 0.0 | 38.411 | 4.229 |
| 225 | 17493 | 17494 | NS | 1 | 0.0   | 43.262 | 4.028 | 0.0   | 54.113 | 5.388 | 0.0 | 43.177 | 3.82  | 0.0 | 42.897 | 5.049 | 0.0   | 45.2   | 4.089 | 0.0  | 52.813 | 5.135 | 0.0 | 44.173 | 3.841 | 0.0 | 42.485 | 4.524 |
| 226 | 17493 | 17494 | NS | 1 | 0.0   | 42.745 | 1.037 | 0.0   | 45.705 | 1.549 | 0.0 | 40.745 | 1.2   | 0.0 | 41.952 | 1.587 | 0.0   | 43.464 | 0.999 | 0.0  | 47.302 | 1.508 | 0.0 | 41.312 | 1.136 | 0.0 | 38.355 | 1.358 |
| 227 | 17494 | 17495 | SN | 1 | 0.0   | 43.438 | 1.273 | 0.0   | 40.708 | 1.437 | 0.0 | 46.037 | 1.159 | 0.0 | 46.849 | 1.538 | 0.0   | 43.735 | 1.293 | 0.0  | 41.023 | 1.345 | 0.0 | 45.43  | 1.16  | 0.0 | 44.387 | 1.364 |
| 228 | 17494 | 17495 | SN | 1 | 0.0   | 56.753 | 4.595 | 0.0   | 52.187 | 4.751 | 0.0 | 43.206 | 4.532 | 0.0 | 46.05  | 5.354 | 0.0   | 58.866 | 4.676 | 0.0  | 54.201 | 4.345 | 0.0 | 42.785 | 4.426 | 0.0 | 48.977 | 4.891 |
| 229 | 17494 | 17495 | NS | 1 | 0.0   | 42.516 | 0.959 | 0.0   | 39.368 | 1.231 | 0.0 | 39.388 | 1.076 | 0.0 | 39.933 | 1.454 | 0.0   | 42.369 | 0.968 | 0.0  | 38.411 | 1.167 | 0.0 | 39.732 | 1.012 | 0.0 | 37.251 | 1.257 |
| 230 | 17494 | 17495 | NS | 1 | 0.0   | 46.804 | 3.38  | 0.0   | 48.757 | 3.868 | 0.0 | 41.781 | 3.465 | 0.0 | 41.942 | 4.578 | 0.0   | 45.961 | 3.522 | 0.0  | 49.579 | 3.655 | 0.0 | 42.882 | 3.415 | 0.0 | 42.848 | 4.172 |
| 231 | 17494 | 17495 | NS | 1 | 0.0   | 42.516 | 0.962 | 0.0   | 38.859 | 1.237 | 0.0 | 39.387 | 1.073 | 0.0 | 39.933 | 1.461 | 0.0   | 42.369 | 0.966 | 0.0  | 37.902 | 1.176 | 0.0 | 39.73  | 1.015 | 0.0 | 37.251 | 1.263 |
| 232 | 17494 | 17495 | NS | 1 | 0.0   | 46.804 | 3.328 | 0.0   | 48.757 | 3.878 | 0.0 | 41.781 | 3.428 | 0.0 | 42.213 | 4.59  | 0.0   | 45.961 | 3.481 | 0.0  | 49.579 | 3.664 | 0.0 | 42.882 | 3.385 | 0.0 | 42.731 | 4.183 |
| 233 | 17495 | 17496 | NS | 1 | 0.0   | 35.798 | 0.574 | 0.0   | 35.171 | 0.978 | 0.0 | 36.424 | 0.936 | 0.0 | 44.072 | 1.386 | 0.0   | 34.64  | 0.574 | 0.0  | 35.491 | 0.838 | 0.0 | 34.852 | 0.833 | 0.0 | 40.829 | 1.11  |
| 234 | 17495 | 17496 | NS | 1 | 0.0   | 40.154 | 0.609 | 0.0   | 41.834 | 1.015 | 0.0 | 36.424 | 0.953 | 0.0 | 37.069 | 1.414 | 0.0   | 39.859 | 0.613 | 0.0  | 42.984 | 0.883 | 0.0 | 34.852 | 0.836 | 0.0 | 36.301 | 1.132 |
| 235 | 17495 | 17496 | SN | 1 | 0.0   | 46.684 | 0.851 | 0.0   | 45.319 | 1.471 | 0.0 | 49.49  | 1.054 | 0.0 | 49.657 | 1.574 | 0.0   | 45.492 | 0.869 | 0.0  | 45.408 | 1.317 | 0.0 | 46.011 | 0.983 | 0.0 | 45.353 | 1.404 |
| 236 | 17495 | 17496 | SN | 1 | 0.0   | 47.04  | 2.813 | 0.0   | 52.268 | 4.78  | 0.0 | 46.07  | 3.58  | 0.0 | 47.949 | 5.025 | 0.0   | 48.344 | 2.864 | 0.0  | 53.462 | 4.333 | 0.0 | 47.988 | 3.297 | 0.0 | 47.987 | 4.484 |
| 237 | 17495 | 17496 | NS | 1 | 0.136 | 39.704 | 2.011 | 0.664 | 40.825 | 3.629 | 0.0 | 38.18  | 2.929 | 0.0 | 43.435 | 3.891 | 0.008 | 39.243 | 1.948 | 0.26 | 40.977 | 3.221 | 0.0 | 36.017 | 2.768 | 0.0 | 45.132 | 3.275 |
| 238 | 17495 | 17496 | NS | 1 | 0.0   | 37.389 | 1.98  | 0.0   | 36.656 | 3.504 | 0.0 | 38.18  | 2.982 | 0.0 | 42.508 | 3.788 | 0.0   | 36.931 | 1.939 | 0.0  | 36.332 | 3.118 | 0.0 | 36.996 | 2.804 | 0.0 | 44.205 | 3.169 |
| 239 | 17496 | 17497 | NS | 1 | 0.0   | 44.213 | 3.136 | 0.0   | 52.411 | 4.435 | 0.0 | 38.084 | 2.925 | 0.0 | 42.202 | 3.723 | 0.0   | 45.171 | 3.241 | 0.0  | 54.904 | 4.11  | 0.0 | 36.246 | 2.757 | 0.0 | 42.979 | 3.225 |
| 240 | 17496 | 17497 | SN | 1 | 0.0   | 43.062 | 1.601 | 0.0   | 45.681 | 2.241 | 0.0 | 38.126 | 1.821 | 0.0 | 39.694 | 2.389 | 0.0   | 43.353 | 1.635 | 0.0  | 48.182 | 2.223 | 0.0 | 38.56  | 1.776 | 0.0 | 41.497 | 2.387 |
| 241 | 17496 | 17497 | NS | 1 | 0.0   | 48.792 | 0.59  | 0.0   | 42.456 | 0.974 | 0.0 | 36.594 | 0.771 | 0.0 | 36.67  | 1.154 | 0.0   | 47.624 | 0.577 | 0.0  | 42.552 | 0.926 | 0.0 | 34.811 | 0.689 | 0.0 | 35.489 | 0.945 |
| 242 | 17496 | 17497 | NS | 1 | 0.0   | 45.952 | 3.015 | 0.0   | 52.411 | 4.295 | 0.0 | 39.964 | 2.867 | 0.0 | 42.202 | 3.595 | 0.0   | 45.93  | 3.137 | 0.0  | 54.904 | 3.981 | 0.0 | 40.85  | 2.668 | 0.0 | 42.979 | 3.119 |
| 243 | 17496 | 17497 | SN | 1 | 0.0   | 48.235 | 5.686 | 0.0   | 46.193 | 6.546 | 0.0 | 37.139 | 5.622 | 0.0 | 43.802 | 7.181 | 0.0   | 49.47  | 5.807 | 0.0  | 49.147 | 6.586 | 0.0 | 37.947 | 5.863 | 0.0 | 41.77  | 7.103 |
| 244 | 17496 | 17497 | NS | 1 | 0.0   | 48.792 | 0.587 | 0.0   | 42.456 | 1.005 | 0.0 | 36.775 | 0.796 | 0.0 | 36.67  | 1.197 | 0.0   | 47.624 | 0.571 | 0.0  | 42.552 | 0.954 | 0.0 | 35.198 | 0.715 | 0.0 | 35.727 | 0.965 |
| 245 | 17497 | 17498 | NS | 1 | 0.0   | 40.041 | 0.816 | 0.0   | 42.252 | 1.08  | 0.0 | 40.624 | 0.858 | 0.0 | 43.72  | 1.241 | 0.0   | 41.738 | 0.816 | 0.0  | 43.636 | 0.956 | 0.0 | 38.607 | 0.783 | 0.0 | 42.231 | 1.004 |
| 246 | 17497 | 17498 | NS | 1 | 0.0   | 47.114 | 3.39  | 0.0   | 52.456 | 4.651 | 0.0 | 41.559 | 3.09  | 0.0 | 43.809 | 4.328 | 0.0   | 47.354 | 3.413 | 0.0  | 55.47  | 4.34  | 0.0 | 40.939 | 2.88  | 0.0 | 45.966 | 3.73  |
| 247 | 17497 | 17498 | NS | 1 | 0.0   | 47.114 | 3.208 | 0.0   | 52.456 | 4.203 | 0.0 | 41.559 | 3.017 | 0.0 | 43.809 | 3.967 | 0.0   | 47.354 | 3.249 | 0.0  | 55.47  | 3.878 | 0.0 | 40.939 | 2.846 | 0.0 | 45.966 | 3.426 |

|                          |            |      |        |        |            |
|--------------------------|------------|------|--------|--------|------------|
| Parameter Specifications | Parameters | SNR  | Sigma0 | Normal | Deviations |
|                          | Range      | 20.0 | 20.0   |        |            |



|     |       |       |    |   |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 248 | 17497 | 17498 | SN | 1 | 0.0 | 41.418 | 1.126 | 0.0 | 45.607 | 1.618 | 0.0 | 36.325 | 1.339 | 0.0 | 38.806 | 2.327 | 0.0 | 39.8   | 1.101 | 0.0 | 48.037 | 1.48  | 0.0 | 35.146 | 1.307 | 0.0 | 39.562 | 1.981 |
| 249 | 17497 | 17498 | NS | 1 | 0.0 | 40.041 | 0.806 | 0.0 | 45.873 | 1.2   | 0.0 | 36.192 | 0.88  | 0.0 | 43.72  | 1.386 | 0.0 | 41.738 | 0.811 | 0.0 | 44.137 | 1.067 | 0.0 | 36.122 | 0.794 | 0.0 | 42.231 | 1.112 |
| 250 | 17497 | 17498 | SN | 1 | 0.0 | 55.239 | 3.673 | 0.0 | 47.502 | 5.196 | 0.0 | 45.384 | 4.381 | 0.0 | 41.989 | 6.178 | 0.0 | 54.853 | 3.622 | 0.0 | 46.0   | 4.871 | 0.0 | 42.926 | 4.381 | 0.0 | 43.346 | 5.616 |
| 251 | 17498 | 17499 | NS | 1 | 0.0 | 51.275 | 2.321 | 0.0 | 45.001 | 2.745 | 0.0 | 41.927 | 1.852 | 0.0 | 45.278 | 2.428 | 0.0 | 50.758 | 2.354 | 0.0 | 47.281 | 2.535 | 0.0 | 42.584 | 1.852 | 0.0 | 44.298 | 2.062 |
| 252 | 17498 | 17499 | NS | 1 | 0.0 | 52.106 | 6.887 | 0.0 | 50.872 | 8.494 | 0.0 | 48.118 | 6.832 | 0.0 | 46.17  | 8.006 | 0.0 | 52.732 | 6.924 | 0.0 | 51.818 | 7.984 | 0.0 | 48.65  | 6.754 | 0.0 | 46.076 | 6.923 |
| 253 | 17498 | 17499 | NS | 1 | 0.0 | 52.106 | 6.384 | 0.0 | 50.872 | 7.827 | 0.0 | 48.118 | 6.531 | 0.0 | 46.17  | 7.369 | 0.0 | 52.732 | 6.516 | 0.0 | 51.818 | 7.502 | 0.0 | 48.65  | 6.567 | 0.0 | 46.076 | 6.514 |
| 254 | 17498 | 17499 | NS | 1 | 0.0 | 51.275 | 2.116 | 0.0 | 45.001 | 2.479 | 0.0 | 41.927 | 1.794 | 0.0 | 45.278 | 2.246 | 0.0 | 50.758 | 2.141 | 0.0 | 47.281 | 2.314 | 0.0 | 42.584 | 1.783 | 0.0 | 44.298 | 1.964 |

|                          |            |      |        |        |            |
|--------------------------|------------|------|--------|--------|------------|
| Parameter Specifications | Parameters | SNR  | Sigma0 | Normal | Deviations |
|                          | Range      | 20.0 | 20.0   |        |            |

| Sr No | Start Orbit | End Orbit | Dir. | Ver. | Azimuth Angle |         |            |            |        |            |           |         |            |            |        |            | Incidence Angle |       |            |            |       |            |           |       |            |            |       |            |
|-------|-------------|-----------|------|------|---------------|---------|------------|------------|--------|------------|-----------|---------|------------|------------|--------|------------|-----------------|-------|------------|------------|-------|------------|-----------|-------|------------|------------|-------|------------|
|       |             |           |      |      | Inner Aft     |         |            | Inner Fore |        |            | Outer Aft |         |            | Outer Fore |        |            | Inner Aft       |       |            | Inner Fore |       |            | Outer Aft |       |            | Outer Fore |       |            |
|       |             |           |      |      | Min           | Max     | BadOcc (%) | Min        | Max    | BadOcc (%) | Min       | Max     | BadOcc (%) | Min        | Max    | BadOcc (%) | Min             | Max   | BadOcc (%) | Min        | Max   | BadOcc (%) | Min       | Max   | BadOcc (%) | Min        | Max   | BadOcc (%) |
| 1     | 17469       | 17470     | SN   | 1    | 0.0           | 23.351  | 6.163      | 0.0        | 70.137 | 7.447      | 0.0       | 139.243 | 2.769      | 0.0        | 14.196 | 3.785      | 0.0             | 1.414 | 0.0        | 0.0        | 1.779 | 0.0        | 0.0       | 1.843 | 0.0        | 0.0        | 2.135 | 0.0        |
| 2     | 17469       | 17470     | SN   | 1    | 0.0           | 30.145  | 13.155     | 0.0        | 30.589 | 13.061     | 0.0       | 147.19  | 10.723     | 0.0        | 66.737 | 13.58      | 0.0             | 1.421 | 0.0        | 0.0        | 1.778 | 0.0        | 0.0       | 1.844 | 0.0        | 0.0        | 2.132 | 0.0        |
| 3     | 17469       | 17470     | SN   | 1    | 0.0           | 23.351  | 6.136      | 0.0        | 70.137 | 7.525      | 0.0       | 139.243 | 2.697      | 0.0        | 71.695 | 4.001      | 0.0             | 1.414 | 0.0        | 0.0        | 1.779 | 0.0        | 0.0       | 1.843 | 0.0        | 0.0        | 2.135 | 0.0        |
| 4     | 17469       | 17470     | SN   | 1    | 0.0           | 23.351  | 6.136      | 0.0        | 70.137 | 7.525      | 0.0       | 139.243 | 2.697      | 0.0        | 71.695 | 4.001      | 0.0             | 1.414 | 0.0        | 0.0        | 1.779 | 0.0        | 0.0       | 1.843 | 0.0        | 0.0        | 2.135 | 0.0        |
| 5     | 17469       | 17470     | SN   | 1    | 0.0           | 30.145  | 13.155     | 0.0        | 30.589 | 13.061     | 0.0       | 147.19  | 10.723     | 0.0        | 66.737 | 13.58      | 0.0             | 1.421 | 0.0        | 0.0        | 1.778 | 0.0        | 0.0       | 1.844 | 0.0        | 0.0        | 2.132 | 0.0        |
| 6     | 17469       | 17470     | SN   | 1    | 0.0           | 30.145  | 13.216     | 0.0        | 30.589 | 12.613     | 0.0       | 147.19  | 10.987     | 0.0        | 15.723 | 12.868     | 0.0             | 1.421 | 0.0        | 0.0        | 1.778 | 0.0        | 0.0       | 1.844 | 0.0        | 0.0        | 2.132 | 0.0        |
| 7     | 17470       | 17471     | SN   | 1    | 0.0           | 23.356  | 6.405      | 0.0        | 25.716 | 10.914     | 0.0       | 14.124  | 2.966      | 0.0        | 14.234 | 7.45       | 0.0             | 1.415 | 0.0        | 0.0        | 1.78  | 0.0        | 0.0       | 1.849 | 0.0        | 0.0        | 2.122 | 0.0        |
| 8     | 17470       | 17471     | NS   | 1    | 0.0           | 104.835 | 5.839      | 0.0        | 24.553 | 6.762      | 0.0       | 352.781 | 2.197      | 0.0        | 61.569 | 2.948      | 0.0             | 1.439 | 0.0        | 0.0        | 1.786 | 0.0        | 0.0       | 1.847 | 0.0        | 0.0        | 2.139 | 0.0        |
| 9     | 17470       | 17471     | NS   | 1    | 0.0           | 22.832  | 44.444     | 0.0        | 25.314 | 7.886      | 0.485     | 274.437 | 25.0       | 0.0        | 13.164 | 2.976      | 0.0             | 1.233 | 0.0        | 0.0        | 1.757 | 0.0        | 0.001     | 0.46  | 0.0        | 0.0        | 2.106 | 0.0        |
| 10    | 17470       | 17471     | SN   | 1    | 0.0           | 23.356  | 6.392      | 0.0        | 26.864 | 11.01      | 0.0       | 14.124  | 2.939      | 0.0        | 70.791 | 7.777      | 0.0             | 1.415 | 0.0        | 0.0        | 1.78  | 0.0        | 0.0       | 1.849 | 0.0        | 0.0        | 2.122 | 0.0        |
| 11    | 17470       | 17471     | NS   | 1    | 0.0           | 153.237 | 10.122     | 0.0        | 32.152 | 14.073     | 0.0       | 352.781 | 9.941      | 0.0        | 40.342 | 12.178     | 0.0             | 1.41  | 0.0        | 0.0        | 1.784 | 0.0        | 0.0       | 1.843 | 0.0        | 0.0        | 2.137 | 0.0        |
| 12    | 17470       | 17471     | NS   | 1    | 0.0           | 25.769  | 40.0       | 0.0        | 20.428 | 3.771      | 0.0       | 279.947 | 40.0       | 0.0        | 12.028 | 0.897      | 0.0             | 1.353 | 0.0        | 0.0        | 1.754 | 0.0        | 0.0       | 1.089 | 0.0        | 0.0        | 2.115 | 0.0        |
| 13    | 17470       | 17471     | SN   | 1    | 0.0           | 27.354  | 12.432     | 0.0        | 27.343 | 17.4       | 0.0       | 14.207  | 10.432     | 0.0        | 21.575 | 22.587     | 0.0             | 1.423 | 0.0        | 0.0        | 1.782 | 0.0        | 0.0       | 1.842 | 0.0        | 0.0        | 2.125 | 0.0        |
| 14    | 17470       | 17471     | SN   | 1    | 0.0           | 27.354  | 12.439     | 0.0        | 27.343 | 18.006     | 0.0       | 14.207  | 10.351     | 0.0        | 71.188 | 23.652     | 0.0             | 1.423 | 0.0        | 0.0        | 1.782 | 0.0        | 0.0       | 1.842 | 0.0        | 0.0        | 2.118 | 0.0        |
| 15    | 17470       | 17471     | SN   | 1    | 0.0           | 29.781  | 13.2       | 0.0        | 27.343 | 13.068     | 0.0       | 149.131 | 10.691     | 0.0        | 71.188 | 13.663     | 0.0             | 1.423 | 0.0        | 0.0        | 1.782 | 0.0        | 0.0       | 1.842 | 0.0        | 0.0        | 2.135 | 0.0        |
| 16    | 17470       | 17471     | SN   | 1    | 0.0           | 23.356  | 6.12       | 0.0        | 26.864 | 7.513      | 0.0       | 175.256 | 2.764      | 0.0        | 70.791 | 4.019      | 0.0             | 1.415 | 0.0        | 0.0        | 1.78  | 0.0        | 0.0       | 1.849 | 0.0        | 0.0        | 2.136 | 0.0        |
| 17    | 17471       | 17472     | SN   | 1    | 0.0           | 29.891  | 13.201     | 0.0        | 27.338 | 12.979     | 0.0       | 134.003 | 10.833     | 0.0        | 21.674 | 13.407     | 0.0             | 1.422 | 0.0        | 0.0        | 1.783 | 0.0        | 0.0       | 1.84  | 0.0        | 0.0        | 2.136 | 0.0        |
| 18    | 17471       | 17472     | NS   | 1    | 0.0           | 25.226  | 10.112     | 0.0        | 35.699 | 14.08      | 0.0       | 221.276 | 9.912      | 0.0        | 41.594 | 12.149     | 0.0             | 1.407 | 0.0        | 0.0        | 1.786 | 0.0        | 0.0       | 1.842 | 0.0        | 0.0        | 2.14  | 0.0        |
| 19    | 17471       | 17472     | NS   | 1    | 0.0           | 122.8   | 5.841      | 0.0        | 24.558 | 6.744      | 0.0       | 248.145 | 2.199      | 0.0        | 64.377 | 2.943      | 0.0             | 1.428 | 0.0        | 0.0        | 1.783 | 0.0        | 0.0       | 1.848 | 0.0        | 0.0        | 2.142 | 0.0        |
| 20    | 17471       | 17472     | NS   | 1    | 0.0           | 78.718  | 5.855      | 0.0        | 24.569 | 6.748      | 0.0       | 341.194 | 2.193      | 0.0        | 59.181 | 2.925      | 0.0             | 1.428 | 0.0        | 0.0        | 1.784 | 0.0        | 0.0       | 1.848 | 0.0        | 0.0        | 2.14  | 0.0        |
| 21    | 17471       | 17472     | SN   | 1    | 0.0           | 23.345  | 6.126      | 0.0        | 25.882 | 7.527      | 0.0       | 134.842 | 2.785      | 0.0        | 14.234 | 4.001      | 0.0             | 1.416 | 0.0        | 0.0        | 1.78  | 0.0        | 0.0       | 1.848 | 0.0        | 0.0        | 2.137 | 0.0        |
| 22    | 17471       | 17472     | SN   | 1    | 0.0           | 29.891  | 13.178     | 0.0        | 27.332 | 13.139     | 0.0       | 133.987 | 10.76      | 0.0        | 72.12  | 13.67      | 0.0             | 1.422 | 0.0        | 0.0        | 1.783 | 0.0        | 0.0       | 1.84  | 0.0        | 0.0        | 2.136 | 0.0        |
| 23    | 17471       | 17472     | NS   | 1    | 0.0           | 162.147 | 10.109     | 0.0        | 31.226 | 13.985     | 0.0       | 346.224 | 9.875      | 0.0        | 78.054 | 12.129     | 0.0             | 1.406 | 0.0        | 0.0        | 1.786 | 0.0        | 0.0       | 1.842 | 0.0        | 0.0        | 2.143 | 0.0        |
| 24    | 17471       | 17472     | SN   | 1    | 0.0           | 23.345  | 6.13       | 0.0        | 25.882 | 7.527      | 0.0       | 134.809 | 2.786      | 0.0        | 14.234 | 4.012      | 0.0             | 1.415 | 0.0        | 0.0        | 1.78  | 0.0        | 0.0       | 1.848 | 0.0        | 0.0        | 2.137 | 0.0        |
| 25    | 17471       | 17472     | SN   | 1    | 0.0           | 23.345  | 6.126      | 0.0        | 26.875 | 7.54       | 0.0       | 134.809 | 2.766      | 0.0        | 71.976 | 4.104      | 0.0             | 1.415 | 0.0        | 0.0        | 1.78  | 0.0        | 0.0       | 1.848 | 0.0        | 0.0        | 2.137 | 0.0        |
| 26    | 17471       | 17472     | SN   | 1    | 0.0           | 29.891  | 13.191     | 0.0        | 27.338 | 12.959     | 0.0       | 133.987 | 10.826     | 0.0        | 21.679 | 13.422     | 0.0             | 1.422 | 0.0        | 0.0        | 1.783 | 0.0        | 0.0       | 1.84  | 0.0        | 0.0        | 2.136 | 0.0        |
| 27    | 17472       | 17473     | NS   | 1    | 0.0           | 24.575  | 10.07      | 0.0        | 31.248 | 13.993     | 0.0       | 352.908 | 9.847      | 0.0        | 36.575 | 12.067     | 0.0             | 1.412 | 0.0        | 0.0        | 1.786 | 0.0        | 0.0       | 1.844 | 0.0        | 0.0        | 2.141 | 0.0        |
| 28    | 17472       | 17473     | SN   | 1    | 0.0           | 29.952  | 13.223     | 0.0        | 25.976 | 12.873     | 0.0       | 180.401 | 10.914     | 0.0        | 19.716 | 13.322     | 0.0             | 1.424 | 0.0        | 0.0        | 1.782 | 0.0        | 0.0       | 1.838 | 0.0        | 0.0        | 2.138 | 0.0        |
| 29    | 17472       | 17473     | NS   | 1    | 0.0           | 24.575  | 10.07      | 0.0        | 31.248 | 13.993     | 0.0       | 352.908 | 9.847      | 0.0        | 36.575 | 12.067     | 0.0             | 1.412 | 0.0        | 0.0        | 1.786 | 0.0        | 0.0       | 1.844 | 0.0        | 0.0        | 2.141 | 0.0        |
| 30    | 17472       | 17473     | SN   | 1    | 0.0           | 29.952  | 13.197     | 0.0        | 27.321 | 13.101     | 0.0       | 180.401 | 10.817     | 0.0        | 66.45  | 13.659     | 0.0             | 1.424 | 0.0        | 0.0        | 1.782 | 0.0        | 0.0       | 1.838 | 0.0        | 0.0        | 2.138 | 0.0        |
| 31    | 17472       | 17473     | SN   | 1    | 0.0           | 29.952  | 13.197     | 0.0        | 27.321 | 13.101     | 0.0       | 180.401 | 10.817     | 0.0        | 66.45  | 13.659     | 0.0             | 1.424 | 0.0        | 0.0        | 1.782 | 0.0        | 0.0       | 1.838 | 0.0        | 0.0        | 2.138 | 0.0        |

|                          |            |           |            |          |             |
|--------------------------|------------|-----------|------------|----------|-------------|
| Parameter Specifications | Parameters | Azi.Angle | Inci.Angle | Normal   | Deviations  |
|                          | Range      | 10.0      | 3.0        | Alarming | High Errors |

|    |       |       |    |   |     |         |        |     |        |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|----|-------|-------|----|---|-----|---------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 32 | 17472 | 17473 | SN | 1 | 0.0 | 23.373  | 6.133  | 0.0 | 25.248 | 7.535  | 0.0 | 182.072 | 2.803  | 0.0 | 14.24   | 4.002  | 0.0 | 1.415 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.136 | 0.0 |
| 33 | 17472 | 17473 | NS | 1 | 0.0 | 26.72   | 5.83   | 0.0 | 24.553 | 6.721  | 0.0 | 351.948 | 2.179  | 0.0 | 63.119  | 2.909  | 0.0 | 1.428 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.14  | 0.0 |
| 34 | 17472 | 17473 | NS | 1 | 0.0 | 26.72   | 5.83   | 0.0 | 24.553 | 6.719  | 0.0 | 351.948 | 2.179  | 0.0 | 63.119  | 2.909  | 0.0 | 1.428 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.14  | 0.0 |
| 35 | 17472 | 17473 | SN | 1 | 0.0 | 23.373  | 6.128  | 0.0 | 26.803 | 7.555  | 0.0 | 182.072 | 2.774  | 0.0 | 50.6    | 4.127  | 0.0 | 1.415 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.136 | 0.0 |
| 36 | 17472 | 17473 | SN | 1 | 0.0 | 23.373  | 6.128  | 0.0 | 26.803 | 7.555  | 0.0 | 182.072 | 2.774  | 0.0 | 50.6    | 4.127  | 0.0 | 1.415 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.136 | 0.0 |
| 37 | 17473 | 17474 | NS | 1 | 0.0 | 218.496 | 5.825  | 0.0 | 24.558 | 6.716  | 0.0 | 128.458 | 2.213  | 0.0 | 65.822  | 2.898  | 0.0 | 1.428 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 38 | 17473 | 17474 | NS | 1 | 0.0 | 158.802 | 10.153 | 0.0 | 31.265 | 14.067 | 0.0 | 355.406 | 9.907  | 0.0 | 37.783  | 12.145 | 0.0 | 1.399 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.137 | 0.0 |
| 39 | 17473 | 17474 | SN | 1 | 0.0 | 23.351  | 6.122  | 0.0 | 26.875 | 7.521  | 0.0 | 166.167 | 2.793  | 0.0 | 74.811  | 4.128  | 0.0 | 1.415 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.136 | 0.0 |
| 40 | 17473 | 17474 | SN | 1 | 0.0 | 29.566  | 13.169 | 0.0 | 28.333 | 12.727 | 0.0 | 159.19  | 11.009 | 0.0 | 17.714  | 13.116 | 0.0 | 1.422 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.133 | 0.0 |
| 41 | 17473 | 17474 | NS | 1 | 0.0 | 220.548 | 10.144 | 0.0 | 31.265 | 14.067 | 0.0 | 355.406 | 9.893  | 0.0 | 37.778  | 12.152 | 0.0 | 1.4   | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.137 | 0.0 |
| 42 | 17473 | 17474 | SN | 1 | 0.0 | 29.566  | 13.146 | 0.0 | 28.333 | 13.042 | 0.0 | 159.19  | 10.85  | 0.0 | 56.733  | 13.637 | 0.0 | 1.422 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.133 | 0.0 |
| 43 | 17473 | 17474 | SN | 1 | 0.0 | 23.351  | 6.122  | 0.0 | 26.875 | 7.521  | 0.0 | 166.167 | 2.795  | 0.0 | 74.811  | 4.128  | 0.0 | 1.415 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.136 | 0.0 |
| 44 | 17473 | 17474 | SN | 1 | 0.0 | 23.351  | 6.139  | 0.0 | 24.266 | 7.481  | 0.0 | 166.167 | 2.841  | 0.0 | 14.24   | 3.961  | 0.0 | 1.415 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.136 | 0.0 |
| 45 | 17473 | 17474 | SN | 1 | 0.0 | 29.566  | 13.146 | 0.0 | 28.333 | 13.042 | 0.0 | 159.19  | 10.85  | 0.0 | 56.733  | 13.637 | 0.0 | 1.422 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.133 | 0.0 |
| 46 | 17473 | 17474 | NS | 1 | 0.0 | 157.426 | 5.825  | 0.0 | 24.558 | 6.712  | 0.0 | 128.447 | 2.206  | 0.0 | 65.833  | 2.905  | 0.0 | 1.428 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.14  | 0.0 |
| 47 | 17474 | 17475 | SN | 1 | 0.0 | 29.638  | 13.146 | 0.0 | 26.654 | 13.033 | 0.0 | 154.552 | 10.87  | 0.0 | 239.315 | 13.694 | 0.0 | 1.424 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.135 | 0.0 |
| 48 | 17474 | 17475 | SN | 1 | 0.0 | 29.638  | 13.201 | 0.0 | 25.865 | 12.613 | 0.0 | 154.552 | 11.112 | 0.0 | 239.315 | 13.037 | 0.0 | 1.424 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.135 | 0.0 |
| 49 | 17474 | 17475 | SN | 1 | 0.0 | 29.638  | 13.146 | 0.0 | 26.654 | 13.033 | 0.0 | 154.563 | 10.877 | 0.0 | 156.607 | 13.701 | 0.0 | 1.423 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.135 | 0.0 |
| 50 | 17474 | 17475 | NS | 1 | 0.0 | 41.762  | 10.083 | 0.0 | 31.276 | 14.061 | 0.0 | 355.56  | 9.807  | 0.0 | 39.112  | 12.109 | 0.0 | 1.402 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.139 | 0.0 |
| 51 | 17474 | 17475 | NS | 1 | 0.0 | 159.8   | 5.843  | 0.0 | 24.575 | 6.735  | 0.0 | 338.883 | 2.193  | 0.0 | 54.913  | 2.908  | 0.0 | 1.431 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.14  | 0.0 |
| 52 | 17474 | 17475 | NS | 1 | 0.0 | 45.606  | 5.841  | 0.0 | 24.569 | 6.741  | 0.0 | 177.288 | 2.195  | 0.0 | 56.352  | 2.912  | 0.0 | 1.428 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.142 | 0.0 |
| 53 | 17474 | 17475 | NS | 1 | 0.0 | 41.762  | 10.12  | 0.0 | 32.312 | 14.063 | 0.0 | 143.862 | 9.839  | 0.0 | 74.557  | 12.161 | 0.0 | 1.409 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.84  | 0.0 | 0.0 | 2.139 | 0.0 |
| 54 | 17474 | 17475 | SN | 1 | 0.0 | 23.35   | 6.134  | 0.0 | 26.847 | 7.53   | 0.0 | 158.931 | 2.791  | 0.0 | 107.176 | 4.159  | 0.0 | 1.416 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.137 | 0.0 |
| 55 | 17474 | 17475 | SN | 1 | 0.0 | 23.35   | 6.133  | 0.0 | 26.847 | 7.532  | 0.0 | 158.942 | 2.793  | 0.0 | 86.321  | 4.141  | 0.0 | 1.415 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.137 | 0.0 |
| 56 | 17474 | 17475 | SN | 1 | 0.0 | 23.35   | 6.153  | 0.0 | 24.283 | 7.456  | 0.0 | 158.931 | 2.855  | 0.0 | 107.176 | 3.956  | 0.0 | 1.416 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.137 | 0.0 |
| 57 | 17475 | 17476 | NS | 1 | 0.0 | 56.162  | 5.873  | 0.0 | 24.575 | 6.744  | 0.0 | 170.389 | 2.188  | 0.0 | 57.51   | 2.895  | 0.0 | 1.429 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.139 | 0.0 |
| 58 | 17475 | 17476 | NS | 1 | 0.0 | 156.287 | 10.134 | 0.0 | 31.143 | 14.1   | 0.0 | 353.206 | 9.912  | 0.0 | 40.734  | 12.121 | 0.0 | 1.407 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.14  | 0.0 |
| 59 | 17475 | 17476 | NS | 1 | 0.0 | 102.979 | 10.169 | 0.0 | 31.143 | 13.994 | 0.0 | 349.025 | 9.839  | 0.0 | 73.261  | 12.108 | 0.0 | 1.41  | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.141 | 0.0 |
| 60 | 17475 | 17476 | NS | 1 | 0.0 | 218.074 | 5.859  | 0.0 | 24.575 | 6.729  | 0.0 | 331.322 | 2.205  | 0.0 | 51.438  | 2.904  | 0.0 | 1.429 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 61 | 17475 | 17476 | SN | 1 | 0.0 | 23.362  | 6.135  | 0.0 | 26.836 | 7.549  | 0.0 | 172.801 | 2.785  | 0.0 | 248.544 | 4.097  | 0.0 | 1.416 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.136 | 0.0 |
| 62 | 17475 | 17476 | SN | 1 | 0.0 | 30.04   | 13.149 | 0.0 | 27.288 | 13.09  | 0.0 | 160.536 | 10.839 | 0.0 | 71.943  | 13.698 | 0.0 | 1.422 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.132 | 0.0 |
| 63 | 17475 | 17476 | SN | 1 | 0.0 | 30.035  | 13.161 | 0.0 | 27.288 | 13.101 | 0.0 | 140.732 | 10.846 | 0.0 | 79.706  | 13.712 | 0.0 | 1.423 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.133 | 0.0 |
| 64 | 17475 | 17476 | SN | 1 | 0.0 | 23.362  | 6.17   | 0.0 | 24.266 | 7.451  | 0.0 | 172.801 | 2.879  | 0.0 | 248.544 | 3.875  | 0.0 | 1.416 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.136 | 0.0 |
| 65 | 17475 | 17476 | SN | 1 | 0.0 | 23.367  | 6.125  | 0.0 | 26.751 | 7.547  | 0.0 | 172.84  | 2.79   | 0.0 | 66.991  | 4.093  | 0.0 | 1.415 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.135 | 0.0 |
| 66 | 17475 | 17476 | SN | 1 | 0.0 | 30.035  | 13.244 | 0.0 | 25.799 | 12.557 | 0.0 | 140.732 | 11.156 | 0.0 | 79.706  | 12.89  | 0.0 | 1.423 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.133 | 0.0 |
| 67 | 17476 | 17477 | SN | 1 | 0.0 | 23.345  | 6.121  | 0.0 | 26.886 | 7.514  | 0.0 | 180.087 | 2.736  | 0.0 | 51.494  | 4.024  | 0.0 | 1.416 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.135 | 0.0 |
| 68 | 17476 | 17477 | NS | 1 | 0.0 | 203.253 | 5.848  | 0.0 | 24.564 | 6.774  | 0.0 | 322.349 | 2.189  | 0.0 | 62.827  | 2.937  | 0.0 | 1.43  | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.14  | 0.0 |

|                          |            |           |            |          |             |
|--------------------------|------------|-----------|------------|----------|-------------|
| Parameter Specifications | Parameters | Azi.Angle | Inci.Angle | Normal   | Deviations  |
|                          | Range      | 10.0      | 3.0        | Alarming | High Errors |

|     |       |       |    |   |     |         |        |     |        |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|-----|-------|-------|----|---|-----|---------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 69  | 17476 | 17477 | SN | 1 | 0.0 | 30.057  | 13.171 | 0.0 | 27.365 | 13.103 | 0.0 | 178.851 | 10.797 | 0.0 | 66.323  | 13.646 | 0.0 | 1.423 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.133 | 0.0 |
| 70  | 17476 | 17477 | NS | 1 | 0.0 | 68.229  | 10.071 | 0.0 | 31.204 | 13.978 | 0.0 | 355.169 | 9.903  | 0.0 | 36.096  | 12.149 | 0.0 | 1.411 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.141 | 0.0 |
| 71  | 17476 | 17477 | SN | 1 | 0.0 | 23.345  | 6.121  | 0.0 | 26.886 | 7.514  | 0.0 | 180.087 | 2.736  | 0.0 | 51.494  | 4.024  | 0.0 | 1.416 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.135 | 0.0 |
| 72  | 17476 | 17477 | SN | 1 | 0.0 | 30.057  | 13.284 | 0.0 | 25.612 | 12.363 | 0.0 | 178.851 | 11.152 | 0.0 | 14.769  | 12.695 | 0.0 | 1.423 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.133 | 0.0 |
| 73  | 17476 | 17477 | SN | 1 | 0.0 | 23.345  | 6.171  | 0.0 | 24.266 | 7.426  | 0.0 | 180.087 | 2.848  | 0.0 | 14.234  | 3.785  | 0.0 | 1.416 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.135 | 0.0 |
| 74  | 17476 | 17477 | SN | 1 | 0.0 | 30.057  | 13.171 | 0.0 | 27.36  | 13.092 | 0.0 | 178.851 | 10.797 | 0.0 | 66.323  | 13.646 | 0.0 | 1.423 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.133 | 0.0 |
| 75  | 17477 | 17478 | NS | 1 | 0.0 | 70.005  | 10.104 | 0.0 | 31.27  | 14.079 | 0.0 | 357.43  | 9.905  | 0.0 | 37.849  | 12.074 | 0.0 | 1.411 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.142 | 0.0 |
| 76  | 17477 | 17478 | NS | 1 | 0.0 | 26.952  | 5.85   | 0.0 | 24.575 | 6.758  | 0.0 | 178.498 | 2.212  | 0.0 | 58.602  | 2.934  | 0.0 | 1.43  | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.142 | 0.0 |
| 77  | 17477 | 17478 | SN | 1 | 0.0 | 23.345  | 6.117  | 0.0 | 127.51 | 7.51   | 0.0 | 167.226 | 2.717  | 0.0 | 74.43   | 4.036  | 0.0 | 1.415 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.135 | 0.0 |
| 78  | 17477 | 17478 | NS | 1 | 0.0 | 26.946  | 5.855  | 0.0 | 24.575 | 6.765  | 0.0 | 178.498 | 2.21   | 0.0 | 58.597  | 2.939  | 0.0 | 1.43  | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.142 | 0.0 |
| 79  | 17477 | 17478 | SN | 1 | 0.0 | 29.781  | 13.136 | 0.0 | 43.621 | 13.101 | 0.0 | 159.466 | 10.808 | 0.0 | 56.523  | 13.558 | 0.0 | 1.423 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.135 | 0.0 |
| 80  | 17477 | 17478 | NS | 1 | 0.0 | 70.005  | 10.104 | 0.0 | 31.27  | 14.077 | 0.0 | 357.43  | 9.891  | 0.0 | 37.855  | 12.074 | 0.0 | 1.411 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.141 | 0.0 |
| 81  | 17478 | 17479 | SN | 1 | 0.0 | 29.869  | 13.15  | 0.0 | 27.332 | 13.151 | 0.0 | 156.543 | 10.775 | 0.0 | 64.266  | 13.634 | 0.0 | 1.421 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.132 | 0.0 |
| 82  | 17478 | 17479 | NS | 1 | 0.0 | 164.146 | 10.131 | 0.0 | 31.165 | 14.102 | 0.0 | 249.794 | 9.926  | 0.0 | 74.0    | 12.09  | 0.0 | 1.409 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.84  | 0.0 | 0.0 | 2.139 | 0.0 |
| 83  | 17478 | 17479 | SN | 1 | 0.0 | 23.362  | 6.128  | 0.0 | 26.897 | 7.533  | 0.0 | 152.131 | 2.736  | 0.0 | 68.827  | 4.053  | 0.0 | 1.415 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.134 | 0.0 |
| 84  | 17478 | 17479 | NS | 1 | 0.0 | 164.146 | 10.131 | 0.0 | 31.165 | 14.102 | 0.0 | 249.794 | 9.926  | 0.0 | 74.0    | 12.09  | 0.0 | 1.409 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.84  | 0.0 | 0.0 | 2.139 | 0.0 |
| 85  | 17478 | 17479 | NS | 1 | 0.0 | 161.796 | 5.85   | 0.0 | 24.575 | 6.747  | 0.0 | 341.982 | 2.211  | 0.0 | 54.51   | 2.915  | 0.0 | 1.428 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.14  | 0.0 |
| 86  | 17478 | 17479 | NS | 1 | 0.0 | 161.796 | 5.85   | 0.0 | 24.575 | 6.747  | 0.0 | 341.982 | 2.211  | 0.0 | 54.51   | 2.915  | 0.0 | 1.428 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.14  | 0.0 |
| 87  | 17479 | 17480 | SN | 1 | 0.0 | 30.024  | 13.138 | 0.0 | 27.283 | 13.103 | 0.0 | 147.598 | 10.825 | 0.0 | 217.696 | 13.613 | 0.0 | 1.422 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.134 | 0.0 |
| 88  | 17479 | 17480 | SN | 1 | 0.0 | 23.373  | 6.114  | 0.0 | 26.941 | 7.538  | 0.0 | 144.013 | 2.776  | 0.0 | 217.696 | 4.056  | 0.0 | 1.417 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.136 | 0.0 |
| 89  | 17479 | 17480 | NS | 1 | 0.0 | 53.559  | 5.868  | 0.0 | 24.564 | 6.719  | 0.0 | 352.974 | 2.211  | 0.0 | 56.617  | 2.924  | 0.0 | 1.429 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.139 | 0.0 |
| 90  | 17479 | 17480 | NS | 1 | 0.0 | 53.559  | 5.868  | 0.0 | 24.564 | 6.719  | 0.0 | 352.974 | 2.211  | 0.0 | 56.639  | 2.924  | 0.0 | 1.429 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.139 | 0.0 |
| 91  | 17479 | 17480 | NS | 1 | 0.0 | 39.612  | 10.162 | 0.0 | 31.132 | 14.141 | 0.0 | 353.012 | 9.926  | 0.0 | 76.907  | 12.083 | 0.0 | 1.406 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.139 | 0.0 |
| 92  | 17479 | 17480 | NS | 1 | 0.0 | 39.612  | 10.161 | 0.0 | 31.132 | 14.141 | 0.0 | 353.012 | 9.926  | 0.0 | 76.934  | 12.09  | 0.0 | 1.406 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.139 | 0.0 |
| 93  | 17479 | 17480 | SN | 1 | 0.0 | 23.373  | 6.114  | 0.0 | 26.941 | 7.538  | 0.0 | 144.013 | 2.776  | 0.0 | 217.696 | 4.056  | 0.0 | 1.417 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.136 | 0.0 |
| 94  | 17479 | 17480 | SN | 1 | 0.0 | 30.024  | 13.138 | 0.0 | 27.283 | 13.103 | 0.0 | 147.598 | 10.825 | 0.0 | 217.696 | 13.613 | 0.0 | 1.422 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.134 | 0.0 |
| 95  | 17480 | 17481 | NS | 1 | 0.0 | 46.798  | 10.086 | 0.0 | 29.831 | 13.835 | 0.0 | 354.948 | 10.033 | 0.0 | 16.837  | 11.938 | 0.0 | 1.398 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.141 | 0.0 |
| 96  | 17480 | 17481 | SN | 1 | 0.0 | 23.373  | 6.13   | 0.0 | 26.858 | 7.529  | 0.0 | 178.366 | 2.778  | 0.0 | 76.421  | 4.1    | 0.0 | 1.416 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.135 | 0.0 |
| 97  | 17480 | 17481 | SN | 1 | 0.0 | 29.902  | 13.16  | 0.0 | 27.283 | 13.09  | 0.0 | 170.954 | 10.853 | 0.0 | 73.526  | 13.606 | 0.0 | 1.421 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.133 | 0.0 |
| 98  | 17480 | 17481 | NS | 1 | 0.0 | 156.676 | 5.857  | 0.0 | 24.564 | 6.767  | 0.0 | 341.911 | 2.225  | 0.0 | 61.239  | 2.931  | 0.0 | 1.43  | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 99  | 17480 | 17481 | SN | 1 | 0.0 | 29.902  | 13.16  | 0.0 | 27.283 | 13.11  | 0.0 | 170.86  | 10.867 | 0.0 | 73.548  | 13.62  | 0.0 | 1.421 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.133 | 0.0 |
| 100 | 17480 | 17481 | NS | 1 | 0.0 | 46.798  | 10.086 | 0.0 | 31.176 | 14.056 | 0.0 | 354.948 | 9.888  | 0.0 | 78.881  | 12.208 | 0.0 | 1.398 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.141 | 0.0 |
| 101 | 17480 | 17481 | NS | 1 | 0.0 | 156.676 | 5.926  | 0.0 | 24.564 | 6.793  | 0.0 | 341.911 | 2.263  | 0.0 | 12.844  | 2.834  | 0.0 | 1.43  | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 102 | 17480 | 17481 | SN | 1 | 0.0 | 23.373  | 6.125  | 0.0 | 26.875 | 7.525  | 0.0 | 178.537 | 2.781  | 0.0 | 76.394  | 4.09   | 0.0 | 1.416 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.135 | 0.0 |
| 103 | 17480 | 17481 | NS | 1 | 0.0 | 156.676 | 5.857  | 0.0 | 24.564 | 6.767  | 0.0 | 341.911 | 2.225  | 0.0 | 61.239  | 2.931  | 0.0 | 1.43  | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 104 | 17480 | 17481 | NS | 1 | 0.0 | 46.798  | 10.086 | 0.0 | 31.176 | 14.056 | 0.0 | 354.948 | 9.888  | 0.0 | 78.881  | 12.208 | 0.0 | 1.398 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.141 | 0.0 |
| 105 | 17481 | 17482 | SN | 1 | 0.0 | 30.178  | 13.136 | 0.0 | 27.316 | 13.092 | 0.0 | 159.814 | 10.866 | 0.0 | 79.361  | 13.661 | 0.0 | 1.424 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.133 | 0.0 |

| Parameter Specifications | Parameters | Azi.Angle | Inci.Angle | Normal | Deviations |
|--------------------------|------------|-----------|------------|--------|------------|
|                          | Range      | 10.0      | 3.0        |        |            |



|     |       |       |    |   |     |         |        |     |        |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|-----|-------|-------|----|---|-----|---------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 106 | 17481 | 17482 | SN | 1 | 0.0 | 30.178  | 13.136 | 0.0 | 27.316 | 13.092 | 0.0 | 159.814 | 10.866 | 0.0 | 79.361  | 13.661 | 0.0 | 1.424 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.133 | 0.0 |
| 107 | 17481 | 17482 | NS | 1 | 0.0 | 26.748  | 5.85   | 0.0 | 24.575 | 6.781  | 0.0 | 352.196 | 2.203  | 0.0 | 64.84   | 2.939  | 0.0 | 1.429 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.141 | 0.0 |
| 108 | 17481 | 17482 | NS | 1 | 0.0 | 24.575  | 10.143 | 0.0 | 29.831 | 13.522 | 0.0 | 355.141 | 10.31  | 0.0 | 13.677  | 11.614 | 0.0 | 1.408 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.141 | 0.0 |
| 109 | 17481 | 17482 | NS | 1 | 0.0 | 26.748  | 6.061  | 0.0 | 24.575 | 6.851  | 0.0 | 352.196 | 2.316  | 0.0 | 12.844  | 2.919  | 0.0 | 1.429 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.141 | 0.0 |
| 110 | 17481 | 17482 | NS | 1 | 0.0 | 26.748  | 5.85   | 0.0 | 24.575 | 6.781  | 0.0 | 352.196 | 2.203  | 0.0 | 64.84   | 2.939  | 0.0 | 1.429 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.141 | 0.0 |
| 111 | 17481 | 17482 | SN | 1 | 0.0 | 23.339  | 6.125  | 0.0 | 26.908 | 7.544  | 0.0 | 182.855 | 2.753  | 0.0 | 68.678  | 4.09   | 0.0 | 1.415 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.134 | 0.0 |
| 112 | 17481 | 17482 | NS | 1 | 0.0 | 24.575  | 10.06  | 0.0 | 33.344 | 13.991 | 0.0 | 355.141 | 9.903  | 0.0 | 36.653  | 12.118 | 0.0 | 1.408 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.141 | 0.0 |
| 113 | 17481 | 17482 | NS | 1 | 0.0 | 24.575  | 10.06  | 0.0 | 33.344 | 13.991 | 0.0 | 355.141 | 9.903  | 0.0 | 36.653  | 12.118 | 0.0 | 1.408 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.141 | 0.0 |
| 114 | 17481 | 17482 | SN | 1 | 0.0 | 23.339  | 6.125  | 0.0 | 26.908 | 7.544  | 0.0 | 182.855 | 2.753  | 0.0 | 68.678  | 4.088  | 0.0 | 1.415 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.134 | 0.0 |
| 115 | 17482 | 17483 | SN | 1 | 0.0 | 23.362  | 6.099  | 0.0 | 26.897 | 7.526  | 0.0 | 159.334 | 2.74   | 0.0 | 257.802 | 4.077  | 0.0 | 1.416 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.134 | 0.0 |
| 116 | 17482 | 17483 | NS | 1 | 0.0 | 271.032 | 10.303 | 0.0 | 29.831 | 13.466 | 0.0 | 189.984 | 10.805 | 0.0 | 13.765  | 11.686 | 0.0 | 1.407 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.141 | 0.0 |
| 117 | 17482 | 17483 | NS | 1 | 0.0 | 271.032 | 10.112 | 0.0 | 31.27  | 13.991 | 0.0 | 189.984 | 9.898  | 0.0 | 38.555  | 12.132 | 0.0 | 1.407 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.141 | 0.0 |
| 118 | 17482 | 17483 | NS | 1 | 0.0 | 271.032 | 10.112 | 0.0 | 31.27  | 13.991 | 0.0 | 189.984 | 9.898  | 0.0 | 38.566  | 12.132 | 0.0 | 1.407 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.141 | 0.0 |
| 119 | 17482 | 17483 | SN | 1 | 0.0 | 29.461  | 13.177 | 0.0 | 31.201 | 13.058 | 0.0 | 147.984 | 10.835 | 0.0 | 65.687  | 13.59  | 0.0 | 1.424 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.84  | 0.0 | 0.0 | 2.137 | 0.0 |
| 120 | 17482 | 17483 | SN | 1 | 0.0 | 29.461  | 13.177 | 0.0 | 31.201 | 13.058 | 0.0 | 147.984 | 10.835 | 0.0 | 65.687  | 13.59  | 0.0 | 1.424 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.84  | 0.0 | 0.0 | 2.137 | 0.0 |
| 121 | 17482 | 17483 | NS | 1 | 0.0 | 187.987 | 6.295  | 0.0 | 24.564 | 6.978  | 0.0 | 187.033 | 2.426  | 0.0 | 12.85   | 3.106  | 0.0 | 1.429 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.141 | 0.0 |
| 122 | 17482 | 17483 | NS | 1 | 0.0 | 187.987 | 5.877  | 0.0 | 24.564 | 6.763  | 0.0 | 187.033 | 2.201  | 0.0 | 53.402  | 2.975  | 0.0 | 1.429 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.141 | 0.0 |
| 123 | 17482 | 17483 | NS | 1 | 0.0 | 187.987 | 5.875  | 0.0 | 24.564 | 6.763  | 0.0 | 187.033 | 2.201  | 0.0 | 53.385  | 2.975  | 0.0 | 1.429 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.141 | 0.0 |
| 124 | 17482 | 17483 | SN | 1 | 0.0 | 23.362  | 6.099  | 0.0 | 26.897 | 7.526  | 0.0 | 159.334 | 2.74   | 0.0 | 257.802 | 4.077  | 0.0 | 1.416 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.134 | 0.0 |
| 125 | 17483 | 17484 | SN | 1 | 0.0 | 23.356  | 6.117  | 0.0 | 26.913 | 7.552  | 0.0 | 155.209 | 2.73   | 0.0 | 86.566  | 4.021  | 0.0 | 1.416 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.134 | 0.0 |
| 126 | 17483 | 17484 | SN | 1 | 0.0 | 23.356  | 6.17   | 0.0 | 24.288 | 7.457  | 0.0 | 155.209 | 2.836  | 0.0 | 86.566  | 3.788  | 0.0 | 1.416 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.134 | 0.0 |
| 127 | 17483 | 17484 | SN | 1 | 0.0 | 29.742  | 13.12  | 0.0 | 27.332 | 13.161 | 0.0 | 155.545 | 10.712 | 0.0 | 128.706 | 13.591 | 0.0 | 1.422 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.132 | 0.0 |
| 128 | 17483 | 17484 | NS | 1 | 0.0 | 57.872  | 10.072 | 0.0 | 31.132 | 14.136 | 0.0 | 352.946 | 9.905  | 0.0 | 39.405  | 12.164 | 0.0 | 1.401 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.141 | 0.0 |
| 129 | 17483 | 17484 | NS | 1 | 0.0 | 57.872  | 10.072 | 0.0 | 31.132 | 14.136 | 0.0 | 352.946 | 9.905  | 0.0 | 39.405  | 12.171 | 0.0 | 1.401 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.141 | 0.0 |
| 130 | 17483 | 17484 | SN | 1 | 0.0 | 29.742  | 13.211 | 0.0 | 25.733 | 12.529 | 0.0 | 155.545 | 11.054 | 0.0 | 128.706 | 12.687 | 0.0 | 1.422 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.132 | 0.0 |
| 131 | 17483 | 17484 | NS | 1 | 0.0 | 27.462  | 5.847  | 0.0 | 24.564 | 6.769  | 0.0 | 351.408 | 2.195  | 0.0 | 56.816  | 2.974  | 0.0 | 1.43  | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.141 | 0.0 |
| 132 | 17483 | 17484 | NS | 1 | 0.0 | 57.872  | 10.41  | 0.0 | 29.825 | 13.647 | 0.0 | 352.946 | 11.49  | 0.0 | 13.776  | 11.852 | 0.0 | 1.401 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.141 | 0.0 |
| 133 | 17483 | 17484 | NS | 1 | 0.0 | 27.462  | 5.847  | 0.0 | 24.564 | 6.767  | 0.0 | 351.408 | 2.195  | 0.0 | 56.816  | 2.975  | 0.0 | 1.43  | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.141 | 0.0 |
| 134 | 17483 | 17484 | NS | 1 | 0.0 | 27.462  | 6.567  | 0.0 | 24.564 | 7.202  | 0.0 | 351.408 | 2.577  | 0.0 | 12.855  | 3.297  | 0.0 | 1.43  | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.141 | 0.0 |
| 135 | 17484 | 17485 | SN | 1 | 0.0 | 29.842  | 13.195 | 0.0 | 43.654 | 12.796 | 0.0 | 137.434 | 10.82  | 0.0 | 22.079  | 13.162 | 0.0 | 1.423 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.133 | 0.0 |
| 136 | 17484 | 17485 | SN | 1 | 0.0 | 29.842  | 13.172 | 0.0 | 43.654 | 13.082 | 0.0 | 137.434 | 10.704 | 0.0 | 73.647  | 13.591 | 0.0 | 1.423 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.133 | 0.0 |
| 137 | 17484 | 17485 | SN | 1 | 0.0 | 23.367  | 6.148  | 0.0 | 43.618 | 7.517  | 0.0 | 148.326 | 2.779  | 0.0 | 29.85   | 3.929  | 0.0 | 1.416 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.135 | 0.0 |
| 138 | 17484 | 17485 | SN | 1 | 0.0 | 23.367  | 6.133  | 0.0 | 43.618 | 7.545  | 0.0 | 148.326 | 2.747  | 0.0 | 69.39   | 4.081  | 0.0 | 1.416 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.135 | 0.0 |
| 139 | 17484 | 17485 | SN | 1 | 0.0 | 23.367  | 6.133  | 0.0 | 43.618 | 7.545  | 0.0 | 148.326 | 2.747  | 0.0 | 69.373  | 4.081  | 0.0 | 1.416 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.135 | 0.0 |
| 140 | 17484 | 17485 | NS | 1 | 0.0 | 24.575  | 10.103 | 0.0 | 31.248 | 14.122 | 0.0 | 243.347 | 9.876  | 0.0 | 40.728  | 12.107 | 0.0 | 1.407 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.143 | 0.0 |
| 141 | 17484 | 17485 | NS | 1 | 0.0 | 26.88   | 5.867  | 0.0 | 24.553 | 6.765  | 0.0 | 341.806 | 2.215  | 0.0 | 73.592  | 2.935  | 0.0 | 1.429 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.141 | 0.0 |
| 142 | 17484 | 17485 | NS | 1 | 0.0 | 26.88   | 5.867  | 0.0 | 24.553 | 6.765  | 0.0 | 341.806 | 2.215  | 0.0 | 73.592  | 2.935  | 0.0 | 1.429 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.141 | 0.0 |

|                          |            |           |            |          |             |
|--------------------------|------------|-----------|------------|----------|-------------|
| Parameter Specifications | Parameters | Azi.Angle | Inci.Angle | Normal   | Deviations  |
|                          | Range      | 10.0      | 3.0        | Alarming | High Errors |

|     |       |       |    |   |     |         |        |     |         |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 143 | 17484 | 17485 | NS | 1 | 0.0 | 24.575  | 10.103 | 0.0 | 31.248  | 14.122 | 0.0 | 243.347 | 9.876  | 0.0 | 40.728  | 12.099 | 0.0 | 1.407 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.143 | 0.0 |
| 144 | 17484 | 17485 | SN | 1 | 0.0 | 29.842  | 13.172 | 0.0 | 43.654  | 13.082 | 0.0 | 137.434 | 10.704 | 0.0 | 73.636  | 13.591 | 0.0 | 1.423 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.133 | 0.0 |
| 145 | 17485 | 17486 | SN | 1 | 0.0 | 30.277  | 13.197 | 0.0 | 27.36   | 13.084 | 0.0 | 150.207 | 10.781 | 0.0 | 61.454  | 13.732 | 0.0 | 1.424 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.136 | 0.0 |
| 146 | 17485 | 17486 | SN | 1 | 0.0 | 23.378  | 6.119  | 0.0 | 26.891  | 7.562  | 0.0 | 146.059 | 2.794  | 0.0 | 51.891  | 4.135  | 0.0 | 1.416 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.136 | 0.0 |
| 147 | 17485 | 17486 | SN | 1 | 0.0 | 23.378  | 6.12   | 0.0 | 26.158  | 7.549  | 0.0 | 146.059 | 2.811  | 0.0 | 14.813  | 4.021  | 0.0 | 1.416 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.136 | 0.0 |
| 148 | 17485 | 17486 | NS | 1 | 0.0 | 217.669 | 5.85   | 0.0 | 24.569  | 6.743  | 0.0 | 352.296 | 2.202  | 0.0 | 64.415  | 2.895  | 0.0 | 1.43  | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 149 | 17485 | 17486 | SN | 1 | 0.0 | 30.277  | 13.206 | 0.0 | 27.365  | 12.923 | 0.0 | 150.207 | 10.849 | 0.0 | 22.396  | 13.485 | 0.0 | 1.424 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.136 | 0.0 |
| 150 | 17485 | 17486 | SN | 1 | 0.0 | 30.277  | 13.203 | 0.0 | 27.365  | 12.951 | 0.0 | 150.207 | 10.849 | 0.0 | 22.981  | 13.529 | 0.0 | 1.424 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.136 | 0.0 |
| 151 | 17485 | 17486 | NS | 1 | 0.0 | 221.816 | 10.13  | 0.0 | 33.906  | 14.052 | 0.0 | 355.196 | 9.868  | 0.0 | 36.504  | 12.139 | 0.0 | 1.392 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.142 | 0.0 |
| 152 | 17485 | 17486 | NS | 1 | 0.0 | 99.648  | 10.13  | 0.0 | 33.542  | 14.052 | 0.0 | 355.196 | 9.882  | 0.0 | 36.509  | 12.132 | 0.0 | 1.392 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.141 | 0.0 |
| 153 | 17485 | 17486 | NS | 1 | 0.0 | 95.501  | 5.853  | 0.0 | 24.569  | 6.743  | 0.0 | 352.29  | 2.207  | 0.0 | 64.421  | 2.895  | 0.0 | 1.43  | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.141 | 0.0 |
| 154 | 17485 | 17486 | SN | 1 | 0.0 | 23.378  | 6.12   | 0.0 | 26.158  | 7.551  | 0.0 | 146.059 | 2.811  | 0.0 | 14.813  | 4.021  | 0.0 | 1.416 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.136 | 0.0 |
| 155 | 17486 | 17487 | SN | 1 | 0.0 | 23.351  | 6.107  | 0.0 | 25.683  | 7.521  | 0.0 | 166.239 | 2.805  | 0.0 | 257.768 | 4.076  | 0.0 | 1.419 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.137 | 0.0 |
| 156 | 17486 | 17487 | NS | 1 | 0.0 | 191.704 | 5.846  | 0.0 | 24.558  | 6.707  | 0.0 | 139.19  | 2.208  | 0.0 | 59.176  | 2.877  | 0.0 | 1.43  | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.14  | 0.0 |
| 157 | 17486 | 17487 | NS | 1 | 0.0 | 270.663 | 10.174 | 0.0 | 31.248  | 13.958 | 0.0 | 357.535 | 9.835  | 0.0 | 38.026  | 12.083 | 0.0 | 1.406 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.139 | 0.0 |
| 158 | 17486 | 17487 | SN | 1 | 0.0 | 29.483  | 13.179 | 0.0 | 27.343  | 12.871 | 0.0 | 158.942 | 10.898 | 0.0 | 197.175 | 13.396 | 0.0 | 1.427 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.133 | 0.0 |
| 159 | 17486 | 17487 | SN | 1 | 0.0 | 23.351  | 6.101  | 0.0 | 26.941  | 7.539  | 0.0 | 166.239 | 2.784  | 0.0 | 257.768 | 4.194  | 0.0 | 1.419 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.137 | 0.0 |
| 160 | 17486 | 17487 | SN | 1 | 0.0 | 29.483  | 13.167 | 0.0 | 27.343  | 13.071 | 0.0 | 158.942 | 10.812 | 0.0 | 197.175 | 13.688 | 0.0 | 1.427 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.133 | 0.0 |
| 161 | 17487 | 17488 | NS | 1 | 0.0 | 68.24   | 5.83   | 0.0 | 24.553  | 6.7    | 0.0 | 350.823 | 2.2    | 0.0 | 49.337  | 2.882  | 0.0 | 1.431 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.138 | 0.0 |
| 162 | 17487 | 17488 | SN | 1 | 0.0 | 29.731  | 13.195 | 0.0 | 124.543 | 12.796 | 0.0 | 154.288 | 11.026 | 0.0 | 274.473 | 13.275 | 0.0 | 1.423 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.132 | 0.0 |
| 163 | 17487 | 17488 | NS | 1 | 0.0 | 264.086 | 10.113 | 0.0 | 31.281  | 13.98  | 0.0 | 352.847 | 9.814  | 0.0 | 39.217  | 12.097 | 0.0 | 1.392 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.138 | 0.0 |
| 164 | 17487 | 17488 | NS | 1 | 0.0 | 70.523  | 10.131 | 0.0 | 31.132  | 14.101 | 0.0 | 352.847 | 9.812  | 0.0 | 74.976  | 12.062 | 0.0 | 1.409 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.138 | 0.0 |
| 165 | 17487 | 17488 | SN | 1 | 0.0 | 29.731  | 13.157 | 0.0 | 124.548 | 13.082 | 0.0 | 154.249 | 10.898 | 0.0 | 274.473 | 13.731 | 0.0 | 1.423 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.132 | 0.0 |
| 166 | 17487 | 17488 | SN | 1 | 0.0 | 29.731  | 13.167 | 0.0 | 124.543 | 13.092 | 0.0 | 154.288 | 10.898 | 0.0 | 274.473 | 13.723 | 0.0 | 1.423 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.132 | 0.0 |
| 167 | 17487 | 17488 | SN | 1 | 0.0 | 23.351  | 6.127  | 0.0 | 227.786 | 7.55   | 0.0 | 158.65  | 2.825  | 0.0 | 14.24   | 4.068  | 0.0 | 1.416 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.137 | 0.0 |
| 168 | 17487 | 17488 | NS | 1 | 0.0 | 53.581  | 5.859  | 0.0 | 24.553  | 6.686  | 0.0 | 130.532 | 2.193  | 0.0 | 54.836  | 2.879  | 0.0 | 1.431 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.14  | 0.0 |
| 169 | 17487 | 17488 | SN | 1 | 0.0 | 23.351  | 6.107  | 0.0 | 227.786 | 7.581  | 0.0 | 158.65  | 2.789  | 0.0 | 70.691  | 4.226  | 0.0 | 1.416 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.137 | 0.0 |
| 170 | 17487 | 17488 | SN | 1 | 0.0 | 23.351  | 6.11   | 0.0 | 124.548 | 7.579  | 0.0 | 158.611 | 2.788  | 0.0 | 78.327  | 4.228  | 0.0 | 1.416 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.137 | 0.0 |
| 171 | 17488 | 17489 | NS | 1 | 0.0 | 56.013  | 10.113 | 0.0 | 31.138  | 14.081 | 0.0 | 272.438 | 9.861  | 0.0 | 36.504  | 12.029 | 0.0 | 1.403 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.142 | 0.0 |
| 172 | 17488 | 17489 | SN | 1 | 0.0 | 29.891  | 13.161 | 0.0 | 126.914 | 13.103 | 0.0 | 149.219 | 10.902 | 0.0 | 72.605  | 13.729 | 0.0 | 1.424 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.134 | 0.0 |
| 173 | 17488 | 17489 | SN | 1 | 0.0 | 23.378  | 6.142  | 0.0 | 193.083 | 7.511  | 0.0 | 172.327 | 2.863  | 0.0 | 14.24   | 4.043  | 0.0 | 1.417 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.136 | 0.0 |
| 174 | 17488 | 17489 | SN | 1 | 0.0 | 29.891  | 13.161 | 0.0 | 123.125 | 13.103 | 0.0 | 149.252 | 10.895 | 0.0 | 72.605  | 13.729 | 0.0 | 1.424 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.134 | 0.0 |
| 175 | 17488 | 17489 | NS | 1 | 0.0 | 42.457  | 10.146 | 0.0 | 31.259  | 14.011 | 0.0 | 354.821 | 9.867  | 0.0 | 73.316  | 12.172 | 0.0 | 1.407 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.137 | 0.0 |
| 176 | 17488 | 17489 | NS | 1 | 0.0 | 28.115  | 5.834  | 0.0 | 24.553  | 6.682  | 0.0 | 331.3   | 2.209  | 0.0 | 51.383  | 2.867  | 0.0 | 1.43  | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.14  | 0.0 |
| 177 | 17488 | 17489 | SN | 1 | 0.0 | 23.373  | 6.142  | 0.0 | 90.474  | 7.562  | 0.0 | 172.244 | 2.812  | 0.0 | 63.086  | 4.234  | 0.0 | 1.417 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.137 | 0.0 |
| 178 | 17488 | 17489 | SN | 1 | 0.0 | 23.378  | 6.137  | 0.0 | 193.083 | 7.557  | 0.0 | 172.327 | 2.812  | 0.0 | 47.313  | 4.23   | 0.0 | 1.417 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.136 | 0.0 |
| 179 | 17488 | 17489 | NS | 1 | 0.0 | 45.772  | 5.838  | 0.0 | 24.547  | 6.688  | 0.0 | 310.624 | 2.197  | 0.0 | 57.753  | 2.88   | 0.0 | 1.432 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.14  | 0.0 |

| Parameter Specifications | Parameters | Azi.Angle | Inci.Angle | Normal | Deviations |
|--------------------------|------------|-----------|------------|--------|------------|
|                          | Range      | 10.0      | 3.0        |        |            |

|     |       |       |    |   |     |         |        |     |         |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 180 | 17488 | 17489 | SN | 1 | 0.0 | 29.891  | 13.188 | 0.0 | 123.125 | 12.691 | 0.0 | 149.252 | 11.081 | 0.0 | 16.716  | 13.139 | 0.0 | 1.424 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.134 | 0.0 |
| 181 | 17489 | 17490 | NS | 1 | 0.0 | 45.562  | 10.15  | 0.0 | 31.16   | 14.052 | 0.0 | 355.103 | 9.84   | 0.0 | 35.952  | 12.096 | 0.0 | 1.408 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.139 | 0.0 |
| 182 | 17489 | 17490 | NS | 1 | 0.0 | 45.562  | 10.14  | 0.0 | 31.16   | 14.052 | 0.0 | 355.108 | 9.847  | 0.0 | 35.958  | 12.096 | 0.0 | 1.408 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.139 | 0.0 |
| 183 | 17489 | 17490 | SN | 1 | 0.0 | 30.079  | 13.178 | 0.0 | 27.31   | 13.044 | 0.0 | 177.451 | 10.837 | 0.0 | 191.611 | 13.741 | 0.0 | 1.425 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.136 | 0.0 |
| 184 | 17489 | 17490 | SN | 1 | 0.0 | 30.079  | 13.178 | 0.0 | 27.31   | 13.044 | 0.0 | 177.451 | 10.837 | 0.0 | 191.611 | 13.741 | 0.0 | 1.425 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.136 | 0.0 |
| 185 | 17489 | 17490 | SN | 1 | 0.0 | 23.367  | 6.104  | 0.0 | 26.919  | 7.54   | 0.0 | 168.704 | 2.816  | 0.0 | 60.538  | 4.176  | 0.0 | 1.414 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.136 | 0.0 |
| 186 | 17489 | 17490 | SN | 1 | 0.0 | 23.367  | 6.104  | 0.0 | 26.919  | 7.54   | 0.0 | 168.704 | 2.815  | 0.0 | 60.538  | 4.176  | 0.0 | 1.414 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.136 | 0.0 |
| 187 | 17489 | 17490 | SN | 1 | 0.0 | 23.367  | 6.125  | 0.0 | 24.283  | 7.461  | 0.0 | 168.704 | 2.892  | 0.0 | 14.234  | 3.968  | 0.0 | 1.414 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.136 | 0.0 |
| 188 | 17489 | 17490 | SN | 1 | 0.0 | 30.079  | 13.247 | 0.0 | 25.827  | 12.555 | 0.0 | 177.451 | 11.127 | 0.0 | 191.611 | 13.035 | 0.0 | 1.425 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.136 | 0.0 |
| 189 | 17489 | 17490 | NS | 1 | 0.0 | 97.265  | 5.862  | 0.0 | 24.553  | 6.693  | 0.0 | 352.009 | 2.218  | 0.0 | 62.424  | 2.89   | 0.0 | 1.428 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.14  | 0.0 |
| 190 | 17489 | 17490 | NS | 1 | 0.0 | 97.265  | 5.866  | 0.0 | 24.553  | 6.687  | 0.0 | 352.009 | 2.216  | 0.0 | 62.419  | 2.885  | 0.0 | 1.428 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.14  | 0.0 |
| 191 | 17490 | 17491 | SN | 1 | 0.0 | 23.373  | 6.16   | 0.0 | 24.266  | 7.469  | 0.0 | 163.084 | 2.898  | 0.0 | 14.234  | 3.887  | 0.0 | 1.417 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.136 | 0.0 |
| 192 | 17490 | 17491 | NS | 1 | 0.0 | 194.291 | 5.882  | 0.0 | 24.564  | 6.711  | 0.0 | 128.094 | 2.212  | 0.0 | 65.959  | 2.888  | 0.0 | 1.43  | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.14  | 0.0 |
| 193 | 17490 | 17491 | NS | 1 | 0.0 | 199.414 | 10.134 | 0.0 | 31.149  | 14.03  | 0.0 | 139.042 | 9.835  | 0.0 | 73.929  | 12.116 | 0.0 | 1.41  | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.141 | 0.0 |
| 194 | 17490 | 17491 | SN | 1 | 0.0 | 29.974  | 13.22  | 0.0 | 219.152 | 12.393 | 0.0 | 162.472 | 11.235 | 0.0 | 14.758  | 12.806 | 0.0 | 1.425 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.135 | 0.0 |
| 195 | 17490 | 17491 | NS | 1 | 0.0 | 242.222 | 10.079 | 0.0 | 31.209  | 14.062 | 0.0 | 355.417 | 9.825  | 0.0 | 37.37   | 12.124 | 0.0 | 1.412 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.139 | 0.0 |
| 196 | 17490 | 17491 | NS | 1 | 0.0 | 281.246 | 5.869  | 0.0 | 24.569  | 6.718  | 0.0 | 141.38  | 2.204  | 0.0 | 67.035  | 2.879  | 0.0 | 1.43  | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.14  | 0.0 |
| 197 | 17490 | 17491 | SN | 1 | 0.0 | 29.974  | 13.128 | 0.0 | 219.152 | 13.034 | 0.0 | 162.472 | 10.88  | 0.0 | 64.018  | 13.726 | 0.0 | 1.425 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.135 | 0.0 |
| 198 | 17490 | 17491 | SN | 1 | 0.0 | 29.974  | 13.128 | 0.0 | 219.152 | 13.055 | 0.0 | 162.45  | 10.859 | 0.0 | 64.018  | 13.726 | 0.0 | 1.424 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.135 | 0.0 |
| 199 | 17490 | 17491 | SN | 1 | 0.0 | 23.373  | 6.111  | 0.0 | 68.185  | 7.555  | 0.0 | 163.034 | 2.788  | 0.0 | 75.456  | 4.131  | 0.0 | 1.417 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.136 | 0.0 |
| 200 | 17490 | 17491 | SN | 1 | 0.0 | 23.373  | 6.114  | 0.0 | 26.897  | 7.553  | 0.0 | 163.084 | 2.786  | 0.0 | 75.456  | 4.122  | 0.0 | 1.417 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.136 | 0.0 |
| 201 | 17491 | 17492 | SN | 1 | 0.0 | 29.737  | 13.157 | 0.0 | 27.376  | 13.142 | 0.0 | 184.896 | 10.778 | 0.0 | 152.454 | 13.758 | 0.0 | 1.425 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.137 | 0.0 |
| 202 | 17491 | 17492 | SN | 1 | 0.0 | 29.737  | 13.146 | 0.0 | 27.376  | 13.122 | 0.0 | 184.896 | 10.757 | 0.0 | 152.454 | 13.751 | 0.0 | 1.425 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.137 | 0.0 |
| 203 | 17491 | 17492 | NS | 1 | 0.0 | 157.977 | 5.864  | 0.0 | 24.564  | 6.723  | 0.0 | 130.35  | 2.205  | 0.0 | 45.444  | 2.907  | 0.0 | 1.429 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.14  | 0.0 |
| 204 | 17491 | 17492 | SN | 1 | 0.0 | 29.737  | 13.146 | 0.0 | 27.376  | 13.122 | 0.0 | 184.896 | 10.757 | 0.0 | 152.454 | 13.751 | 0.0 | 1.425 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.137 | 0.0 |
| 205 | 17491 | 17492 | NS | 1 | 0.0 | 119.841 | 5.863  | 0.0 | 24.564  | 6.747  | 0.0 | 350.713 | 2.206  | 0.0 | 54.858  | 2.921  | 0.0 | 1.429 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.141 | 0.0 |
| 206 | 17491 | 17492 | SN | 1 | 0.0 | 23.35   | 6.097  | 0.0 | 26.902  | 7.526  | 0.0 | 157.955 | 2.777  | 0.0 | 233.977 | 4.071  | 0.0 | 1.416 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.135 | 0.0 |
| 207 | 17491 | 17492 | SN | 1 | 0.0 | 23.35   | 6.156  | 0.0 | 24.283  | 7.448  | 0.0 | 157.955 | 2.915  | 0.0 | 233.977 | 3.844  | 0.0 | 1.416 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.135 | 0.0 |
| 208 | 17491 | 17492 | SN | 1 | 0.0 | 23.35   | 6.095  | 0.0 | 26.902  | 7.513  | 0.0 | 157.955 | 2.774  | 0.0 | 233.977 | 4.048  | 0.0 | 1.416 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.135 | 0.0 |
| 209 | 17491 | 17492 | NS | 1 | 0.0 | 119.976 | 10.05  | 0.0 | 31.105  | 14.131 | 0.0 | 351.181 | 9.875  | 0.0 | 75.192  | 12.133 | 0.0 | 1.401 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.141 | 0.0 |
| 210 | 17491 | 17492 | SN | 1 | 0.0 | 23.35   | 6.095  | 0.0 | 26.902  | 7.513  | 0.0 | 157.955 | 2.774  | 0.0 | 233.977 | 4.048  | 0.0 | 1.416 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.135 | 0.0 |
| 211 | 17491 | 17492 | NS | 1 | 0.0 | 119.976 | 10.165 | 0.0 | 31.253  | 14.0   | 0.0 | 352.726 | 9.899  | 0.0 | 35.881  | 12.126 | 0.0 | 1.411 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.138 | 0.0 |
| 212 | 17491 | 17492 | SN | 1 | 0.0 | 29.737  | 13.297 | 0.0 | 24.134  | 12.322 | 0.0 | 184.896 | 11.188 | 0.0 | 152.454 | 12.633 | 0.0 | 1.425 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.137 | 0.0 |
| 213 | 17492 | 17493 | NS | 1 | 0.0 | 206.134 | 10.082 | 0.0 | 31.127  | 14.094 | 0.0 | 351.827 | 9.84   | 0.0 | 35.77   | 12.107 | 0.0 | 1.4   | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.14  | 0.0 |
| 214 | 17492 | 17493 | NS | 1 | 0.0 | 206.134 | 10.082 | 0.0 | 31.127  | 14.094 | 0.0 | 351.827 | 9.84   | 0.0 | 35.77   | 12.107 | 0.0 | 1.4   | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.14  | 0.0 |
| 215 | 17492 | 17493 | SN | 1 | 0.0 | 30.095  | 13.128 | 0.0 | 27.211  | 13.061 | 0.0 | 150.041 | 10.833 | 0.0 | 67.178  | 13.608 | 0.0 | 1.425 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.133 | 0.0 |
| 216 | 17492 | 17493 | SN | 1 | 0.0 | 30.095  | 13.128 | 0.0 | 27.211  | 13.061 | 0.0 | 150.041 | 10.833 | 0.0 | 67.178  | 13.608 | 0.0 | 1.425 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.133 | 0.0 |

|                          |            |           |            |          |             |
|--------------------------|------------|-----------|------------|----------|-------------|
| Parameter Specifications | Parameters | Azi.Angle | Inci.Angle | Normal   | Deviations  |
|                          | Range      | 10.0      | 3.0        | Alarming | High Errors |

|     |       |       |    |   |       |         |        |       |         |        |     |         |        |     |         |        |     |       |     |       |       |     |     |       |     |     |       |     |
|-----|-------|-------|----|---|-------|---------|--------|-------|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-------|-------|-----|-----|-------|-----|-----|-------|-----|
| 217 | 17492 | 17493 | NS | 1 | 0.0   | 57.524  | 5.854  | 0.0   | 24.569  | 6.725  | 0.0 | 309.334 | 2.202  | 0.0 | 57.417  | 2.912  | 0.0 | 1.431 | 0.0 | 0.0   | 1.782 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 218 | 17492 | 17493 | NS | 1 | 0.0   | 57.524  | 5.854  | 0.0   | 24.569  | 6.725  | 0.0 | 309.334 | 2.202  | 0.0 | 57.417  | 2.912  | 0.0 | 1.431 | 0.0 | 0.0   | 1.782 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 219 | 17492 | 17493 | SN | 1 | 0.0   | 23.362  | 6.139  | 0.0   | 26.872  | 7.553  | 0.0 | 173.871 | 2.736  | 0.0 | 207.786 | 4.12   | 0.0 | 1.417 | 0.0 | 0.0   | 1.78  | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.136 | 0.0 |
| 220 | 17492 | 17493 | SN | 1 | 0.0   | 23.362  | 6.139  | 0.0   | 26.872  | 7.553  | 0.0 | 173.871 | 2.736  | 0.0 | 207.786 | 4.12   | 0.0 | 1.417 | 0.0 | 0.0   | 1.78  | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.136 | 0.0 |
| 221 | 17493 | 17494 | NS | 1 | 0.0   | 26.996  | 5.886  | 0.0   | 24.569  | 6.699  | 0.0 | 312.284 | 2.212  | 0.0 | 67.261  | 2.886  | 0.0 | 1.429 | 0.0 | 0.0   | 1.782 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.139 | 0.0 |
| 222 | 17493 | 17494 | NS | 1 | 0.0   | 26.345  | 10.127 | 0.0   | 31.458  | 14.109 | 0.0 | 357.358 | 9.823  | 0.0 | 79.791  | 12.137 | 0.0 | 1.394 | 0.0 | 0.0   | 1.784 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.139 | 0.0 |
| 223 | 17493 | 17494 | SN | 1 | 0.0   | 23.356  | 6.111  | 0.0   | 256.663 | 7.571  | 0.0 | 171.643 | 2.751  | 0.0 | 270.853 | 4.209  | 0.0 | 1.417 | 0.0 | 0.0   | 1.866 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.259 | 0.0 |
| 224 | 17493 | 17494 | SN | 1 | 0.0   | 29.996  | 13.149 | 0.0   | 257.997 | 13.145 | 0.0 | 173.987 | 10.759 | 0.0 | 270.957 | 13.805 | 0.0 | 1.423 | 0.0 | 0.0   | 1.783 | 0.0 | 0.0 | 1.84  | 0.0 | 0.0 | 2.143 | 0.0 |
| 225 | 17493 | 17494 | NS | 1 | 0.0   | 26.345  | 10.127 | 0.0   | 31.458  | 14.109 | 0.0 | 357.358 | 9.823  | 0.0 | 79.791  | 12.137 | 0.0 | 1.394 | 0.0 | 0.0   | 1.784 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.139 | 0.0 |
| 226 | 17493 | 17494 | NS | 1 | 0.0   | 26.996  | 5.886  | 0.0   | 24.569  | 6.699  | 0.0 | 312.284 | 2.212  | 0.0 | 67.261  | 2.886  | 0.0 | 1.429 | 0.0 | 0.0   | 1.782 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.139 | 0.0 |
| 227 | 17494 | 17495 | SN | 1 | 0.0   | 23.367  | 6.111  | 0.0   | 26.924  | 7.551  | 0.0 | 183.87  | 2.811  | 0.0 | 62.182  | 4.172  | 0.0 | 1.415 | 0.0 | 0.0   | 1.78  | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.136 | 0.0 |
| 228 | 17494 | 17495 | SN | 1 | 0.0   | 30.062  | 13.209 | 0.0   | 27.31   | 13.044 | 0.0 | 150.554 | 10.915 | 0.0 | 56.733  | 13.67  | 0.0 | 1.425 | 0.0 | 0.0   | 1.784 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.133 | 0.0 |
| 229 | 17494 | 17495 | NS | 1 | 0.0   | 27.264  | 5.876  | 0.0   | 24.569  | 6.704  | 0.0 | 352.676 | 2.197  | 0.0 | 64.895  | 2.879  | 0.0 | 1.428 | 0.0 | 0.0   | 1.782 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.14  | 0.0 |
| 230 | 17494 | 17495 | NS | 1 | 0.0   | 68.198  | 10.09  | 0.0   | 31.198  | 14.03  | 0.0 | 357.474 | 9.812  | 0.0 | 36.73   | 12.11  | 0.0 | 1.406 | 0.0 | 0.0   | 1.785 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.139 | 0.0 |
| 231 | 17494 | 17495 | NS | 1 | 0.0   | 27.264  | 5.901  | 0.0   | 24.569  | 6.711  | 0.0 | 352.676 | 2.209  | 0.0 | 18.034  | 2.848  | 0.0 | 1.428 | 0.0 | 0.0   | 1.782 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.14  | 0.0 |
| 232 | 17494 | 17495 | NS | 1 | 0.0   | 68.198  | 10.106 | 0.0   | 30.559  | 14.015 | 0.0 | 357.474 | 9.875  | 0.0 | 29.935  | 12.07  | 0.0 | 1.406 | 0.0 | 0.0   | 1.785 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.139 | 0.0 |
| 233 | 17495 | 17496 | NS | 1 | 0.0   | 206.294 | 5.889  | 0.0   | 24.553  | 6.718  | 0.0 | 351.055 | 2.217  | 0.0 | 58.547  | 2.893  | 0.0 | 1.429 | 0.0 | 0.0   | 1.782 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.138 | 0.0 |
| 234 | 17495 | 17496 | NS | 1 | 0.0   | 206.294 | 6.019  | 0.0   | 24.553  | 6.763  | 0.0 | 351.055 | 2.287  | 0.0 | 12.839  | 2.826  | 0.0 | 1.429 | 0.0 | 0.0   | 1.782 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.138 | 0.0 |
| 235 | 17495 | 17496 | SN | 1 | 0.0   | 23.367  | 6.099  | 0.0   | 26.902  | 7.541  | 0.0 | 176.695 | 2.792  | 0.0 | 76.84   | 4.154  | 0.0 | 1.417 | 0.0 | 0.0   | 1.78  | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.136 | 0.0 |
| 236 | 17495 | 17496 | SN | 1 | 0.0   | 29.814  | 13.206 | 0.0   | 27.343  | 13.111 | 0.0 | 179.8   | 10.833 | 0.0 | 250.809 | 13.693 | 0.0 | 1.425 | 0.0 | 0.0   | 1.782 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.132 | 0.0 |
| 237 | 17495 | 17496 | NS | 1 | 0.772 | 91.679  | 10.223 | 0.419 | 29.814  | 13.678 | 0.0 | 125.59  | 10.101 | 0.0 | 14.345  | 11.657 | 0.0 | 1.409 | 0.0 | 0.003 | 1.784 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.14  | 0.0 |
| 238 | 17495 | 17496 | NS | 1 | 0.0   | 91.679  | 10.185 | 0.0   | 30.371  | 13.994 | 0.0 | 125.59  | 9.856  | 0.0 | 35.412  | 12.112 | 0.0 | 1.409 | 0.0 | 0.0   | 1.784 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.14  | 0.0 |
| 239 | 17496 | 17497 | NS | 1 | 0.0   | 25.783  | 10.109 | 0.0   | 29.814  | 13.754 | 0.0 | 348.6   | 10.096 | 0.0 | 14.532  | 11.741 | 0.0 | 1.406 | 0.0 | 0.0   | 1.783 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.14  | 0.0 |
| 240 | 17496 | 17497 | SN | 1 | 0.0   | 23.367  | 6.115  | 0.0   | 124.515 | 7.553  | 0.0 | 169.498 | 2.787  | 0.0 | 81.545  | 4.165  | 0.0 | 1.416 | 0.0 | 0.0   | 1.78  | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.136 | 0.0 |
| 241 | 17496 | 17497 | NS | 1 | 0.0   | 26.941  | 5.863  | 0.0   | 24.564  | 6.759  | 0.0 | 339.683 | 2.206  | 0.0 | 56.275  | 2.91   | 0.0 | 1.429 | 0.0 | 0.0   | 1.783 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 242 | 17496 | 17497 | NS | 1 | 0.0   | 25.783  | 10.08  | 0.0   | 31.105  | 14.121 | 0.0 | 348.6   | 9.861  | 0.0 | 76.978  | 12.183 | 0.0 | 1.406 | 0.0 | 0.0   | 1.783 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.14  | 0.0 |
| 243 | 17496 | 17497 | SN | 1 | 0.0   | 29.919  | 13.234 | 0.0   | 124.515 | 13.081 | 0.0 | 155.44  | 10.847 | 0.0 | 96.419  | 13.714 | 0.0 | 1.425 | 0.0 | 0.0   | 1.783 | 0.0 | 0.0 | 1.84  | 0.0 | 0.0 | 2.133 | 0.0 |
| 244 | 17496 | 17497 | NS | 1 | 0.0   | 26.941  | 5.985  | 0.0   | 24.564  | 6.803  | 0.0 | 339.683 | 2.273  | 0.0 | 12.839  | 2.834  | 0.0 | 1.429 | 0.0 | 0.0   | 1.783 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 245 | 17497 | 17498 | NS | 1 | 0.0   | 106.053 | 5.863  | 0.0   | 24.564  | 6.727  | 0.0 | 341.894 | 2.216  | 0.0 | 67.322  | 2.935  | 0.0 | 1.429 | 0.0 | 0.0   | 1.783 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.141 | 0.0 |
| 246 | 17497 | 17498 | NS | 1 | 0.0   | 40.265  | 10.355 | 0.0   | 29.82   | 13.516 | 0.0 | 191.302 | 11.131 | 0.0 | 13.087  | 11.74  | 0.0 | 1.408 | 0.0 | 0.0   | 1.784 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.14  | 0.0 |
| 247 | 17497 | 17498 | NS | 1 | 0.0   | 40.265  | 10.082 | 0.0   | 31.132  | 14.091 | 0.0 | 191.302 | 9.897  | 0.0 | 36.697  | 12.107 | 0.0 | 1.408 | 0.0 | 0.0   | 1.784 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.14  | 0.0 |
| 248 | 17497 | 17498 | SN | 1 | 0.0   | 23.378  | 6.11   | 0.0   | 129.602 | 7.531  | 0.0 | 162.036 | 2.762  | 0.0 | 237.139 | 4.13   | 0.0 | 1.418 | 0.0 | 0.0   | 1.78  | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.135 | 0.0 |
| 249 | 17497 | 17498 | NS | 1 | 0.0   | 106.053 | 6.445  | 0.0   | 24.564  | 7.043  | 0.0 | 341.894 | 2.52   | 0.0 | 12.844  | 3.148  | 0.0 | 1.429 | 0.0 | 0.0   | 1.783 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.141 | 0.0 |
| 250 | 17497 | 17498 | SN | 1 | 0.0   | 29.759  | 13.173 | 0.0   | 29.1    | 13.111 | 0.0 | 135.862 | 10.868 | 0.0 | 169.909 | 13.651 | 0.0 | 1.425 | 0.0 | 0.0   | 1.778 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.136 | 0.0 |
| 251 | 17498 | 17499 | NS | 1 | 0.0   | 26.985  | 6.707  | 0.0   | 24.547  | 7.277  | 0.0 | 352.5   | 2.75   | 0.0 | 12.839  | 3.383  | 0.0 | 1.429 | 0.0 | 0.0   | 1.783 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.139 | 0.0 |
| 252 | 17498 | 17499 | NS | 1 | 0.0   | 24.58   | 10.604 | 0.0   | 29.809  | 13.655 | 0.0 | 355.279 | 12.016 | 0.0 | 13.093  | 12.135 | 0.0 | 1.404 | 0.0 | 0.0   | 1.785 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.138 | 0.0 |
| 253 | 17498 | 17499 | NS | 1 | 0.0   | 24.58   | 10.129 | 0.0   | 31.187  | 14.059 | 0.0 | 355.279 | 9.896  | 0.0 | 36.945  | 12.153 | 0.0 | 1.404 | 0.0 | 0.0   | 1.785 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.138 | 0.0 |

|                          |            |           |            |          |             |
|--------------------------|------------|-----------|------------|----------|-------------|
| Parameter Specifications | Parameters | Azi.Angle | Inci.Angle | Normal   | Deviations  |
|                          | Range      | 10.0      | 3.0        | Alarming | High Errors |



|     |       |       |    |   |     |        |       |     |        |       |     |       |       |     |        |       |     |       |     |     |       |     |     |       |     |     |       |     |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|-------|-------|-----|--------|-------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 254 | 17498 | 17499 | NS | 1 | 0.0 | 26.985 | 5.878 | 0.0 | 24.547 | 6.726 | 0.0 | 352.5 | 2.241 | 0.0 | 65.435 | 2.913 | 0.0 | 1.429 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.139 | 0.0 |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|-------|-------|-----|--------|-------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|

|                          |            |           |            |          |             |
|--------------------------|------------|-----------|------------|----------|-------------|
| Parameter Specifications | Parameters | Azi.Angle | Inci.Angle | Normal   | Deviations  |
|                          | Range      | 10.0      | 3.0        | Alarming | High Errors |