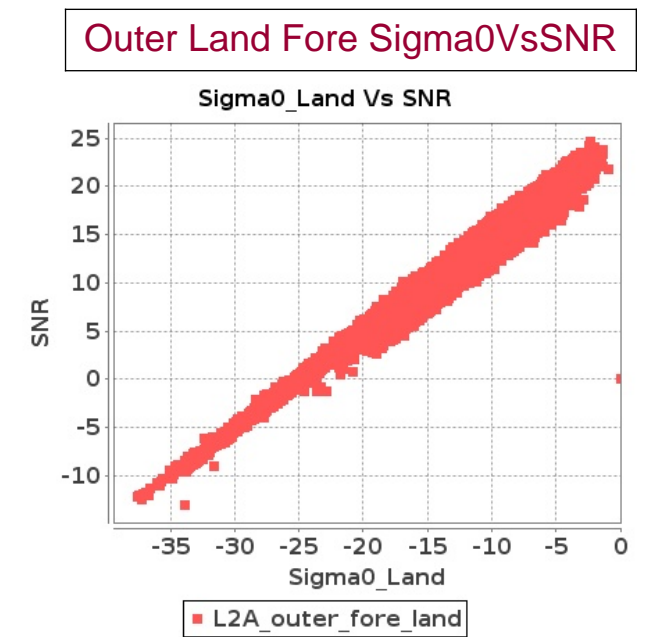
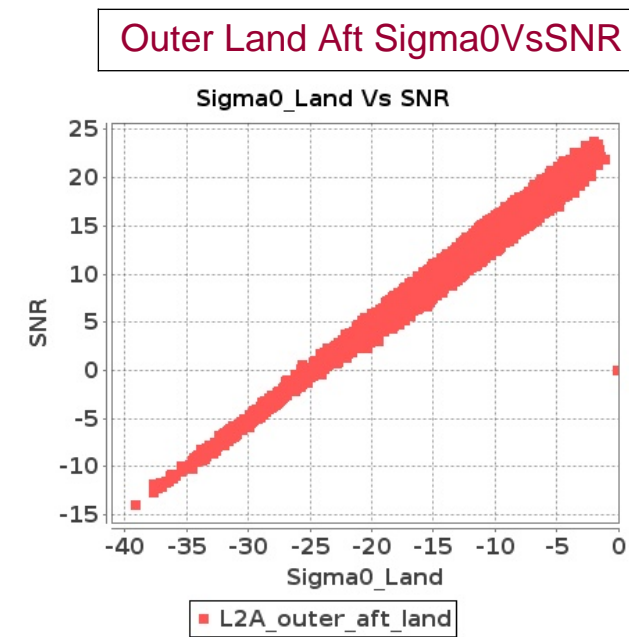
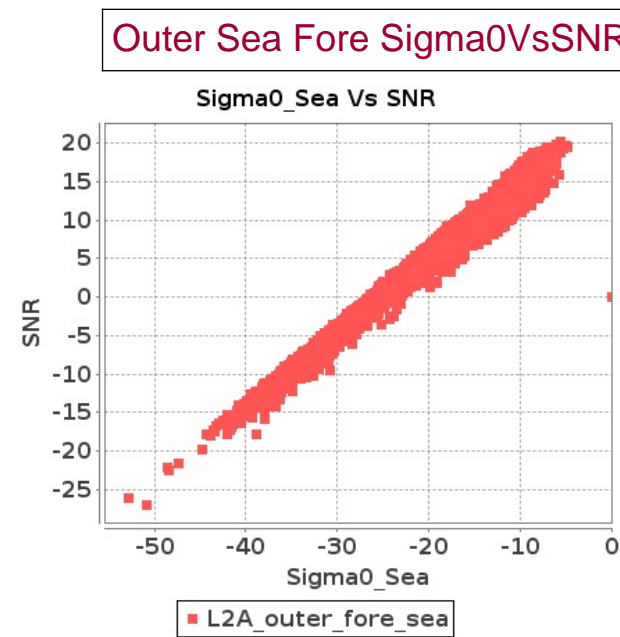
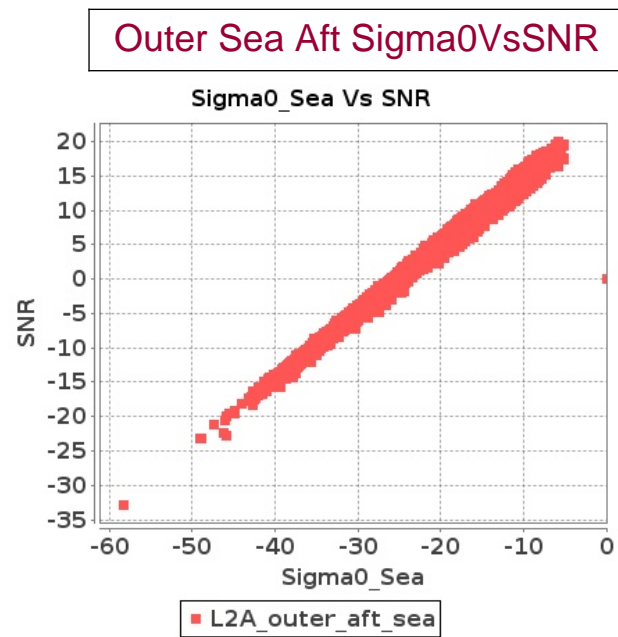
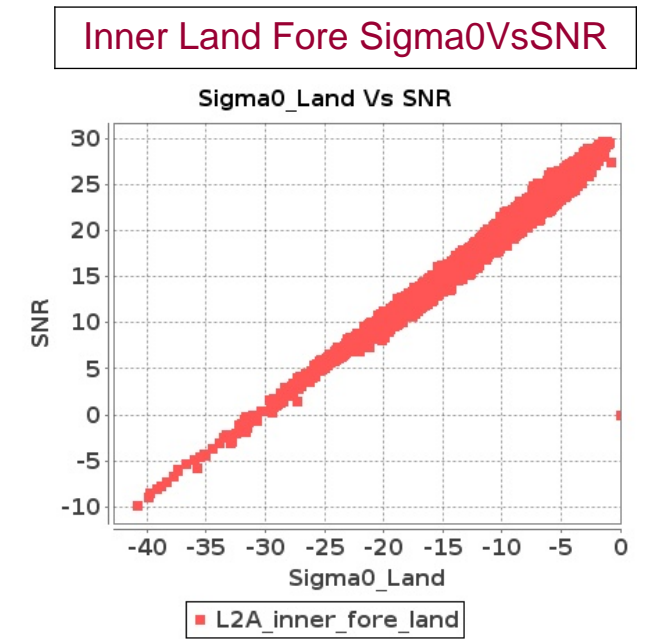
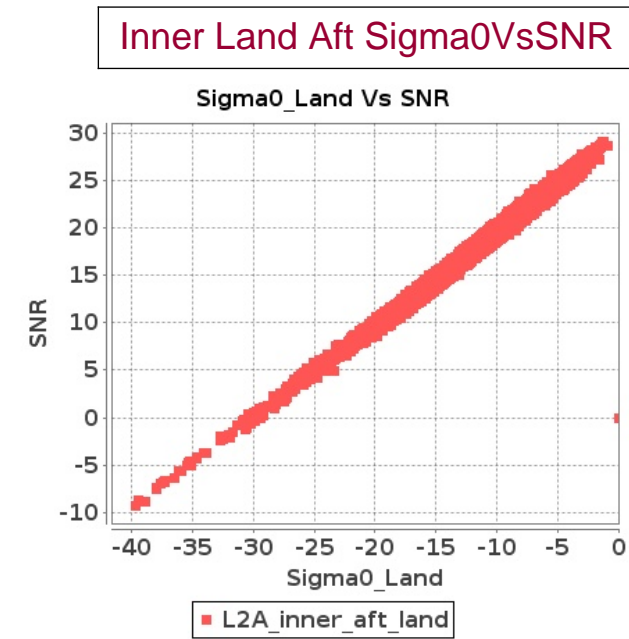
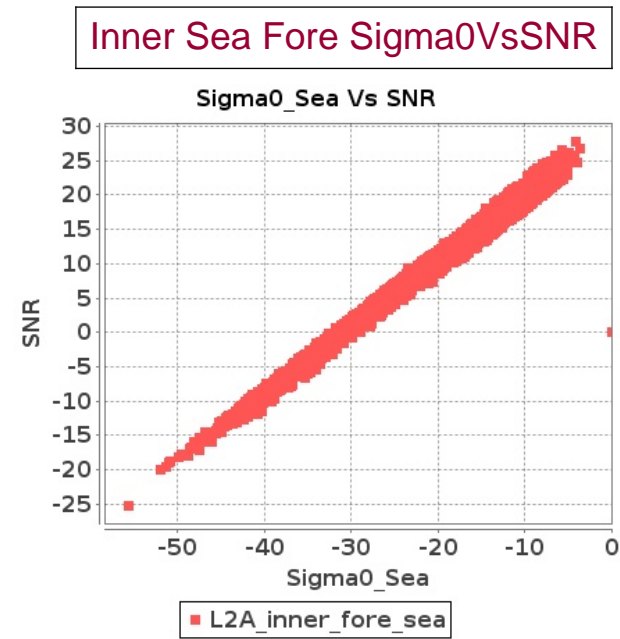
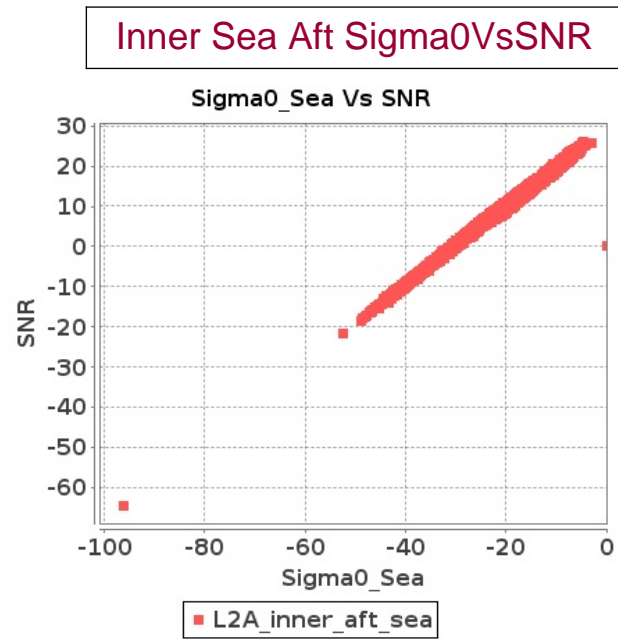


# SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 22-OCT-2018 To 23-OCT-2018



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

Report between 22-OCT-2018 To 23-OCT-2018

| 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     | 10958       | 10959     | SN   | 1    | 0.0       | 42.348 | 1.229      | 0.0        | 49.439 | 1.693      | 0.0       | 35.152 | 1.097      | 0.0        | 40.479 | 1.582      | 0.0       | 42.675 | 1.236      | 0.0        | 46.806 | 1.452      | 0.0       | 33.536 | 1.002      | 0.0        | 36.615 | 1.293      |
| 2     | 10958       | 10959     | SN   | 1    | 0.0       | 50.544 | 4.67       | 0.0        | 50.069 | 5.159      | 0.0       | 37.473 | 3.459      | 0.0        | 37.999 | 4.058      | 0.0       | 51.103 | 4.64       | 0.0        | 48.652 | 4.598      | 0.0       | 37.843 | 3.296      | 0.0        | 37.72  | 3.587      |
| 3     | 10958       | 10959     | SN   | 1    | 0.0       | 45.124 | 0.903      | 0.0        | 43.707 | 1.33       | 0.0       | 43.0   | 0.868      | 0.0        | 40.479 | 1.378      | 0.0       | 43.665 | 0.916      | 0.0        | 44.702 | 1.165      | 0.0       | 44.925 | 0.841      | 0.0        | 36.897 | 1.089      |
| 4     | 10958       | 10959     | SN   | 1    | 0.0       | 51.142 | 3.568      | 0.0        | 50.98  | 4.746      | 0.0       | 46.212 | 2.897      | 0.0        | 42.744 | 4.269      | 0.0       | 51.698 | 3.568      | 0.0        | 53.682 | 4.422      | 0.0       | 46.505 | 2.614      | 0.0        | 39.052 | 3.442      |
| 5     | 10958       | 10959     | SN   | 1    | 0.0       | 47.21  | 1.162      | 0.0        | 42.651 | 1.377      | 0.0       | 42.383 | 1.121      | 0.0        | 40.479 | 1.201      | 0.0       | 46.802 | 1.181      | 0.0        | 38.437 | 1.186      | 0.0       | 41.398 | 1.027      | 0.0        | 42.139 | 1.013      |
| 6     | 10958       | 10959     | SN   | 1    | 0.0       | 44.948 | 4.135      | 0.0        | 44.537 | 4.453      | 0.0       | 43.055 | 3.373      | 0.0        | 49.442 | 2.871      | 0.0       | 45.836 | 4.135      | 0.0        | 45.343 | 3.695      | 0.0       | 44.058 | 3.178      | 0.0        | 47.496 | 2.723      |
| 7     | 10959       | 10960     | NS   | 1    | 0.0       | 51.541 | 8.694      | 0.0        | 49.634 | 10.186     | 0.0       | 48.302 | 6.063      | 0.0        | 51.077 | 8.376      | 0.0       | 53.108 | 8.654      | 0.0        | 51.062 | 9.562      | 0.0       | 46.959 | 5.835      | 0.0        | 49.713 | 7.572      |
| 8     | 10959       | 10960     | NS   | 1    | 0.0       | 50.862 | 2.059      | 0.0        | 61.912 | 2.719      | 0.0       | 43.576 | 1.595      | 0.0        | 45.282 | 2.436      | 0.0       | 52.524 | 2.057      | 0.0        | 59.586 | 2.484      | 0.0       | 45.642 | 1.502      | 0.0        | 41.625 | 2.063      |
| 9     | 10959       | 10960     | SN   | 1    | 0.0       | 16.265 | 0.0        | 0.0        | 39.059 | 0.147      | 0.0       | 26.279 | 0.097      | 0.0        | 26.704 | 0.053      | 0.0       | 15.695 | 0.0        | 0.0        | 38.717 | 0.184      | 0.0       | 23.736 | 0.065      | 0.0        | 23.49  | 0.026      |
| 10    | 10959       | 10960     | SN   | 1    | 0.0       | 47.985 | 3.547      | 0.0        | 47.06  | 4.374      | 0.0       | 46.945 | 2.684      | 0.0        | 45.684 | 4.007      | 0.0       | 48.432 | 3.618      | 0.0        | 47.581 | 3.99       | 0.0       | 44.076 | 2.372      | 0.0        | 45.052 | 3.222      |
| 11    | 10959       | 10960     | NS   | 1    | 0.0       | 51.541 | 8.662      | 0.0        | 49.634 | 10.172     | 0.0       | 48.302 | 6.056      | 0.0        | 51.077 | 8.371      | 0.0       | 53.108 | 8.622      | 0.0        | 51.062 | 9.548      | 0.0       | 46.959 | 5.821      | 0.0        | 49.713 | 7.553      |
| 12    | 10959       | 10960     | SN   | 1    | 0.0       | 46.074 | 0.837      | 0.0        | 49.137 | 1.167      | 0.0       | 45.431 | 0.652      | 0.0        | 41.41  | 1.159      | 0.0       | 43.89  | 0.824      | 0.0        | 51.459 | 1.04       | 0.0       | 42.12  | 0.579      | 0.0        | 37.549 | 0.931      |
| 13    | 10959       | 10960     | NS   | 1    | 0.0       | 50.862 | 2.048      | 0.0        | 61.912 | 2.714      | 0.0       | 43.576 | 1.591      | 0.0        | 45.282 | 2.433      | 0.0       | 52.524 | 2.046      | 0.0        | 59.586 | 2.476      | 0.0       | 45.642 | 1.5        | 0.0        | 41.625 | 2.061      |
| 14    | 10959       | 10960     | SN   | 1    | 0.0       | 20.406 | 0.175      | 0.0        | 35.586 | 0.741      | 0.0       | 25.597 | 0.252      | 0.0        | 21.672 | 0.2        | 0.0       | 20.282 | 0.175      | 0.0        | 34.413 | 0.741      | 0.0       | 23.065 | 0.252      | 0.0        | 24.477 | 0.1        |
| 15    | 10960       | 10961     | SN   | 1    | 0.0       | 44.605 | 0.948      | 0.0        | 44.676 | 1.296      | 0.0       | 41.37  | 1.306      | 0.0        | 47.378 | 1.692      | 0.0       | 46.022 | 0.99       | 0.0        | 42.998 | 1.255      | 0.0       | 38.271 | 1.281      | 0.0        | 48.074 | 1.535      |
| 16    | 10960       | 10961     | NS   | 1    | 0.0       | 54.833 | 5.152      | 0.0        | 59.493 | 6.197      | 0.0       | 46.893 | 4.887      | 0.0        | 46.693 | 5.646      | 0.0       | 56.581 | 5.263      | 0.0        | 61.186 | 6.127      | 0.0       | 44.917 | 4.937      | 0.0        | 45.982 | 5.504      |
| 17    | 10960       | 10961     | NS   | 1    | 0.0       | 48.226 | 5.451      | 0.0        | 52.798 | 6.208      | 0.0       | 45.814 | 4.714      | 0.0        | 45.426 | 5.733      | 0.0       | 49.071 | 5.421      | 0.0        | 53.63  | 5.856      | 0.0       | 48.11  | 4.942      | 0.0        | 43.882 | 5.612      |
| 18    | 10960       | 10961     | SN   | 1    | 0.0       | 42.727 | 3.349      | 0.0        | 54.352 | 4.102      | 0.0       | 43.652 | 4.02       | 0.0        | 46.15  | 4.835      | 0.0       | 43.626 | 3.4        | 0.0        | 55.14  | 3.868      | 0.0       | 42.602 | 3.942      | 0.0        | 45.62  | 4.541      |
| 19    | 10960       | 10961     | SN   | 1    | 0.0       | 43.245 | 3.339      | 0.0        | 43.723 | 4.072      | 0.0       | 41.037 | 4.006      | 0.0        | 51.079 | 4.778      | 0.0       | 44.139 | 3.369      | 0.0        | 45.44  | 3.838      | 0.0       | 38.97  | 3.849      | 0.0        | 48.542 | 4.519      |
| 20    | 10960       | 10961     | SN   | 1    | 0.0       | 43.245 | 3.366      | 0.0        | 43.723 | 4.071      | 0.0       | 41.037 | 4.043      | 0.0        | 51.079 | 4.755      | 0.0       | 44.139 | 3.397      | 0.0        | 45.44  | 3.859      | 0.0       | 38.97  | 3.916      | 0.0        | 48.542 | 4.499      |
| 21    | 10960       | 10961     | NS   | 1    | 0.0       | 45.531 | 1.589      | 0.0        | 49.773 | 2.011      | 0.0       | 44.227 | 1.417      | 0.0        | 49.198 | 1.837      | 0.0       | 44.688 | 1.62       | 0.0        | 50.048 | 2.011      | 0.0       | 42.081 | 1.431      | 0.0        | 45.231 | 1.78       |
| 22    | 10960       | 10961     | NS   | 1    | 0.0       | 44.874 | 1.552      | 0.0        | 52.832 | 1.954      | 0.0       | 40.595 | 1.432      | 0.0        | 45.442 | 1.966      | 0.0       | 45.17  | 1.575      | 0.0        | 51.066 | 1.95       | 0.0       | 40.285 | 1.463      | 0.0        | 46.113 | 1.92       |
| 23    | 10960       | 10961     | SN   | 1    | 0.0       | 43.483 | 0.95       | 0.0        | 51.282 | 1.305      | 0.0       | 42.272 | 1.292      | 0.0        | 48.662 | 1.689      | 0.0       | 44.901 | 0.98       | 0.0        | 49.148 | 1.264      | 0.0       | 39.835 | 1.269      | 0.0        | 46.187 | 1.526      |
| 24    | 10960       | 10961     | SN   | 1    | 0.0       | 44.605 | 0.95       | 0.0        | 44.676 | 1.312      | 0.0       | 41.37  | 1.292      | 0.0        | 47.378 | 1.7        | 0.0       | 46.022 | 0.994      | 0.0        | 42.998 | 1.267      | 0.0       | 38.271 | 1.269      | 0.0        | 48.074 | 1.546      |
| 25    | 10961       | 10962     | SN   | 1    | 0.0       | 39.204 | 3.937      | 0.0        | 43.14  | 5.169      | 0.0       | 38.927 | 4.424      | 0.0        | 39.356 | 6.448      | 0.0       | 39.969 | 3.937      | 0.0        | 43.883 | 5.038      | 0.0       | 36.619 | 4.459      | 0.0        | 39.942 | 5.814      |
| 26    | 10961       | 10962     | SN   | 1    | 0.0       | 40.42  | 1.316      | 0.0        | 43.24  | 1.849      | 0.0       | 39.984 | 1.536      | 0.0        | 39.53  | 2.14       | 0.0       | 41.812 | 1.307      | 0.0        | 40.719 | 1.659      | 0.0       | 38.568 | 1.448      | 0.0        | 37.471 | 1.806      |
| 27    | 10961       | 10962     | SN   | 1    | 0.0       | 39.204 | 3.937      | 0.0        | 43.14  | 5.169      | 0.0       | 38.927 | 4.424      | 0.0        | 39.356 | 6.448      | 0.0       | 39.969 | 3.937      | 0.0        | 43.883 | 5.038      | 0.0       | 36.619 | 4.459      | 0.0        | 39.942 | 5.814      |
| 28    | 10961       | 10962     | NS   | 1    | 0.0       | 46.668 | 1.84       | 0.0        | 51.288 | 2.248      | 0.0       | 36.186 | 1.435      | 0.0        | 40.31  | 2.052      | 0.0       | 47.606 | 1.877      | 0.0        | 52.415 | 2.208      | 0.0       | 34.24  | 1.506      | 0.0        | 42.097 | 2.001      |
| 29    | 10961       | 10962     | NS   | 1    | 0.0       | 48.215 | 5.866      | 0.0        | 55.525 | 6.972      | 0.0       | 38.407 | 5.075      | 0.0        | 54.131 | 6.743      | 0.0       | 47.55  | 5.785      | 0.0        | 54.883 | 7.012      | 0.0       | 40.793 | 5.339      | 0.0        | 53.311 | 6.629      |
| 30    | 10961       | 10962     | SN   | 1    | 0.0       | 40.42  | 1.327      | 0.0        | 41.965 | 1.797      | 0.0       | 39.984 | 1.553      | 0.0        | 39.53  | 2.112      | 0.0       | 41.812 | 1.315      | 0.0        | 40.756 | 1.619      | 0.0       | 38.568 | 1.464      | 0.0        | 37.471 | 1.761      |
| 31    | 10961       | 10962     | SN   | 1    | 0.0       | 40.42  | 1.316      | 0.0        | 43.24  | 1.849      | 0.0       | 39.984 | 1.536      | 0.0        | 39.53  | 2.14       | 0.0       | 41.812 | 1.307      | 0.0        | 40.719 | 1.659      | 0.0       | 38.568 | 1.448      | 0.0        | 37.471 | 1.806      |

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

|    |       |       |    |   |     |        |       |     |        |        |     |        |       |     |        |       |     |        |       |     |        |        |     |        |       |     |        |       |
|----|-------|-------|----|---|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|-------|
| 32 | 10961 | 10962 | SN | 1 | 0.0 | 39.204 | 3.949 | 0.0 | 48.542 | 5.02   | 0.0 | 40.024 | 4.469 | 0.0 | 40.739 | 6.387 | 0.0 | 39.969 | 3.959 | 0.0 | 49.33  | 4.836  | 0.0 | 39.204 | 4.512 | 0.0 | 41.159 | 5.752 |
| 33 | 10961 | 10962 | NS | 1 | 0.0 | 48.215 | 5.866 | 0.0 | 55.525 | 6.972  | 0.0 | 38.407 | 5.082 | 0.0 | 54.131 | 6.75  | 0.0 | 47.55  | 5.785 | 0.0 | 54.883 | 7.012  | 0.0 | 40.793 | 5.339 | 0.0 | 53.311 | 6.629 |
| 34 | 10962 | 10963 | NS | 1 | 0.0 | 53.613 | 3.729 | 0.0 | 53.237 | 4.497  | 0.0 | 45.032 | 2.944 | 0.0 | 46.135 | 3.955 | 0.0 | 53.621 | 3.759 | 0.0 | 54.978 | 4.286  | 0.0 | 42.647 | 2.972 | 0.0 | 46.178 | 3.599 |
| 35 | 10962 | 10963 | NS | 1 | 0.0 | 43.663 | 0.937 | 0.0 | 49.018 | 1.278  | 0.0 | 40.861 | 0.846 | 0.0 | 45.997 | 1.145 | 0.0 | 45.021 | 0.939 | 0.0 | 50.936 | 1.19   | 0.0 | 40.607 | 0.837 | 0.0 | 43.013 | 0.994 |
| 36 | 10962 | 10963 | SN | 1 | 0.0 | 41.463 | 0.885 | 0.0 | 41.127 | 1.399  | 0.0 | 41.97  | 1.078 | 0.0 | 39.781 | 1.764 | 0.0 | 41.579 | 0.844 | 0.0 | 38.384 | 1.255  | 0.0 | 41.091 | 1.0   | 0.0 | 38.651 | 1.46  |
| 37 | 10962 | 10963 | SN | 1 | 0.0 | 48.22  | 3.226 | 0.0 | 45.406 | 4.584  | 0.0 | 40.046 | 3.349 | 0.0 | 41.081 | 4.887 | 0.0 | 47.171 | 3.296 | 0.0 | 44.752 | 4.271  | 0.0 | 40.691 | 3.179 | 0.0 | 42.183 | 4.289 |
| 38 | 10962 | 10963 | SN | 1 | 0.0 | 45.65  | 3.112 | 0.0 | 45.406 | 4.627  | 0.0 | 40.046 | 3.489 | 0.0 | 40.418 | 4.859 | 0.0 | 45.636 | 3.051 | 0.0 | 44.853 | 4.308  | 0.0 | 40.691 | 3.272 | 0.0 | 39.007 | 4.277 |
| 39 | 10962 | 10963 | SN | 1 | 0.0 | 35.581 | 0.833 | 0.0 | 46.254 | 1.377  | 0.0 | 38.123 | 1.082 | 0.0 | 39.707 | 1.817 | 0.0 | 35.962 | 0.814 | 0.0 | 46.637 | 1.241  | 0.0 | 37.29  | 1.013 | 0.0 | 39.976 | 1.514 |
| 40 | 10962 | 10963 | SN | 1 | 0.0 | 47.453 | 3.246 | 0.0 | 45.406 | 4.564  | 0.0 | 39.6   | 3.335 | 0.0 | 41.081 | 4.873 | 0.0 | 46.406 | 3.307 | 0.0 | 44.752 | 4.261  | 0.0 | 40.691 | 3.193 | 0.0 | 42.183 | 4.31  |
| 41 | 10962 | 10963 | SN | 1 | 0.0 | 41.981 | 0.887 | 0.0 | 41.184 | 1.395  | 0.0 | 46.947 | 1.078 | 0.0 | 41.613 | 1.781 | 0.0 | 42.096 | 0.851 | 0.0 | 38.442 | 1.252  | 0.0 | 46.318 | 1.002 | 0.0 | 38.706 | 1.472 |
| 42 | 10962 | 10963 | NS | 1 | 0.0 | 45.963 | 0.899 | 0.0 | 43.791 | 1.259  | 0.0 | 44.714 | 0.862 | 0.0 | 42.405 | 1.156 | 0.0 | 46.471 | 0.924 | 0.0 | 46.255 | 1.184  | 0.0 | 43.794 | 0.83  | 0.0 | 38.562 | 1.029 |
| 43 | 10962 | 10963 | NS | 1 | 0.0 | 53.26  | 3.91  | 0.0 | 53.746 | 4.529  | 0.0 | 45.449 | 2.999 | 0.0 | 44.343 | 3.915 | 0.0 | 53.371 | 3.93  | 0.0 | 56.863 | 4.368  | 0.0 | 42.647 | 3.014 | 0.0 | 47.055 | 3.438 |
| 44 | 10963 | 10964 | SN | 1 | 0.0 | 40.787 | 1.616 | 0.0 | 47.442 | 2.395  | 0.0 | 37.837 | 1.696 | 0.0 | 43.463 | 2.522 | 0.0 | 40.45  | 1.591 | 0.0 | 48.784 | 2.264  | 0.0 | 38.997 | 1.673 | 0.0 | 37.295 | 2.267 |
| 45 | 10963 | 10964 | SN | 1 | 0.0 | 47.849 | 5.973 | 0.0 | 56.178 | 8.0    | 0.0 | 47.284 | 5.377 | 0.0 | 42.826 | 7.344 | 0.0 | 48.013 | 5.994 | 0.0 | 56.835 | 7.478  | 0.0 | 47.854 | 5.289 | 0.0 | 44.013 | 6.761 |
| 46 | 10963 | 10964 | NS | 1 | 0.0 | 45.666 | 3.528 | 0.0 | 50.165 | 4.227  | 0.0 | 39.541 | 2.579 | 0.0 | 48.761 | 4.028 | 0.0 | 45.215 | 3.528 | 0.0 | 51.229 | 3.956  | 0.0 | 38.986 | 2.501 | 0.0 | 48.545 | 3.523 |
| 47 | 10963 | 10964 | SN | 1 | 0.0 | 41.186 | 1.634 | 0.0 | 47.442 | 2.427  | 0.0 | 41.405 | 1.653 | 0.0 | 46.365 | 2.587 | 0.0 | 41.405 | 1.602 | 0.0 | 48.784 | 2.289  | 0.0 | 40.583 | 1.675 | 0.0 | 41.047 | 2.306 |
| 48 | 10963 | 10964 | NS | 1 | 0.0 | 42.116 | 0.853 | 0.0 | 56.78  | 1.212  | 0.0 | 42.283 | 0.734 | 0.0 | 51.234 | 1.311 | 0.0 | 42.667 | 0.876 | 0.0 | 58.911 | 1.124  | 0.0 | 42.94  | 0.688 | 0.0 | 48.616 | 1.079 |
| 49 | 10963 | 10964 | NS | 1 | 0.0 | 43.633 | 3.568 | 0.0 | 50.089 | 4.268  | 0.0 | 40.258 | 2.615 | 0.0 | 45.288 | 3.993 | 0.0 | 45.332 | 3.548 | 0.0 | 51.151 | 4.026  | 0.0 | 38.429 | 2.586 | 0.0 | 44.246 | 3.487 |
| 50 | 10963 | 10964 | SN | 1 | 0.0 | 47.989 | 6.249 | 0.0 | 47.745 | 8.02   | 0.0 | 41.116 | 5.245 | 0.0 | 45.562 | 7.042 | 0.0 | 48.33  | 6.269 | 0.0 | 49.868 | 7.404  | 0.0 | 41.265 | 5.237 | 0.0 | 46.807 | 6.5   |
| 51 | 10963 | 10964 | SN | 1 | 0.0 | 47.989 | 6.249 | 0.0 | 47.745 | 8.02   | 0.0 | 41.116 | 5.245 | 0.0 | 45.562 | 7.042 | 0.0 | 48.33  | 6.269 | 0.0 | 49.868 | 7.404  | 0.0 | 41.265 | 5.237 | 0.0 | 46.807 | 6.5   |
| 52 | 10963 | 10964 | NS | 1 | 0.0 | 44.057 | 0.871 | 0.0 | 47.739 | 1.207  | 0.0 | 40.748 | 0.702 | 0.0 | 44.257 | 1.327 | 0.0 | 42.663 | 0.88  | 0.0 | 48.063 | 1.135  | 0.0 | 41.041 | 0.672 | 0.0 | 42.273 | 1.066 |
| 53 | 10963 | 10964 | SN | 1 | 0.0 | 40.787 | 1.616 | 0.0 | 47.442 | 2.395  | 0.0 | 37.837 | 1.696 | 0.0 | 43.463 | 2.522 | 0.0 | 40.45  | 1.591 | 0.0 | 48.784 | 2.264  | 0.0 | 38.997 | 1.673 | 0.0 | 37.295 | 2.267 |
| 54 | 10964 | 10965 | NS | 1 | 0.0 | 46.399 | 0.932 | 0.0 | 45.729 | 1.249  | 0.0 | 45.37  | 1.164 | 0.0 | 47.043 | 1.418 | 0.0 | 46.927 | 0.936 | 0.0 | 45.018 | 1.134  | 0.0 | 43.458 | 1.086 | 0.0 | 43.746 | 1.157 |
| 55 | 10964 | 10965 | SN | 1 | 0.0 | 51.558 | 2.625 | 0.0 | 52.019 | 3.455  | 0.0 | 44.784 | 2.211 | 0.0 | 44.232 | 3.164 | 0.0 | 52.907 | 2.641 | 0.0 | 48.589 | 3.349  | 0.0 | 45.309 | 2.179 | 0.0 | 46.767 | 2.935 |
| 56 | 10964 | 10965 | SN | 1 | 0.0 | 54.208 | 9.309 | 0.0 | 52.994 | 11.897 | 0.0 | 42.513 | 7.261 | 0.0 | 45.674 | 9.158 | 0.0 | 54.438 | 9.279 | 0.0 | 51.08  | 11.452 | 0.0 | 43.369 | 7.48  | 0.0 | 45.32  | 9.001 |
| 57 | 10964 | 10965 | NS | 1 | 0.0 | 53.672 | 3.486 | 0.0 | 53.995 | 3.897  | 0.0 | 54.038 | 3.674 | 0.0 | 43.341 | 4.3   | 0.0 | 52.446 | 3.486 | 0.0 | 50.637 | 3.293  | 0.0 | 53.721 | 3.518 | 0.0 | 42.722 | 3.915 |
| 58 | 10964 | 10965 | SN | 1 | 0.0 | 54.767 | 9.205 | 0.0 | 52.994 | 11.957 | 0.0 | 43.511 | 7.329 | 0.0 | 45.674 | 9.229 | 0.0 | 54.997 | 9.174 | 0.0 | 51.08  | 11.536 | 0.0 | 44.367 | 7.531 | 0.0 | 45.32  | 9.077 |
| 59 | 10964 | 10965 | SN | 1 | 0.0 | 54.208 | 9.309 | 0.0 | 52.994 | 11.897 | 0.0 | 42.513 | 7.261 | 0.0 | 45.674 | 9.158 | 0.0 | 54.438 | 9.269 | 0.0 | 51.08  | 11.452 | 0.0 | 43.369 | 7.473 | 0.0 | 45.32  | 9.001 |
| 60 | 10964 | 10965 | SN | 1 | 0.0 | 52.026 | 2.608 | 0.0 | 52.019 | 3.497  | 0.0 | 44.784 | 2.234 | 0.0 | 44.232 | 3.171 | 0.0 | 52.907 | 2.624 | 0.0 | 48.589 | 3.396  | 0.0 | 45.309 | 2.209 | 0.0 | 46.767 | 2.951 |
| 61 | 10964 | 10965 | NS | 1 | 0.0 | 44.62  | 0.935 | 0.0 | 48.741 | 1.257  | 0.0 | 40.852 | 1.156 | 0.0 | 41.221 | 1.396 | 0.0 | 44.006 | 0.928 | 0.0 | 50.258 | 1.133  | 0.0 | 38.855 | 1.013 | 0.0 | 44.807 | 1.127 |
| 62 | 10964 | 10965 | SN | 1 | 0.0 | 51.558 | 2.629 | 0.0 | 52.019 | 3.455  | 0.0 | 44.784 | 2.211 | 0.0 | 44.232 | 3.164 | 0.0 | 52.907 | 2.645 | 0.0 | 48.589 | 3.349  | 0.0 | 45.309 | 2.179 | 0.0 | 46.767 | 2.935 |
| 63 | 10964 | 10965 | NS | 1 | 0.0 | 49.318 | 3.396 | 0.0 | 55.427 | 4.037  | 0.0 | 43.885 | 3.712 | 0.0 | 42.852 | 4.64  | 0.0 | 49.551 | 3.406 | 0.0 | 53.193 | 3.644  | 0.0 | 42.157 | 3.548 | 0.0 | 41.536 | 3.993 |
| 64 | 10965 | 10966 | SN | 1 | 0.0 | 56.458 | 5.636 | 0.0 | 52.392 | 7.548  | 0.0 | 45.465 | 4.511 | 0.0 | 52.216 | 5.996 | 0.0 | 57.068 | 5.657 | 0.0 | 51.977 | 7.325  | 0.0 | 45.495 | 4.305 | 0.0 | 50.821 | 5.226 |
| 65 | 10965 | 10966 | NS | 1 | 0.0 | 47.832 | 1.012 | 0.0 | 42.447 | 1.582  | 0.0 | 40.53  | 1.106 | 0.0 | 46.172 | 1.513 | 0.0 | 47.089 | 0.971 | 0.0 | 45.035 | 1.421  | 0.0 | 38.719 | 1.045 | 0.0 | 44.717 | 1.279 |
| 66 | 10965 | 10966 | NS | 1 | 0.0 | 47.692 | 1.021 | 0.0 | 43.607 | 1.586  | 0.0 | 40.522 | 1.109 | 0.0 | 46.849 | 1.511 | 0.0 | 46.948 | 0.989 | 0.0 | 46.194 | 1.43   | 0.0 | 38.712 | 1.047 | 0.0 | 45.391 | 1.3   |
| 67 | 10965 | 10966 | SN | 1 | 0.0 | 43.325 | 1.389 | 0.0 | 44.315 | 2.022  | 0.0 | 44.368 | 1.332 | 0.0 | 44.144 | 2.01  | 0.0 | 45.561 | 1.33  | 0.0 | 46.343 | 1.807  | 0.0 | 45.451 | 1.263 | 0.0 | 40.382 | 1.628 |

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

|     |       |       |    |   |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 68  | 10965 | 10966 | SN | 1 | 0.0 | 41.163 | 1.347 | 0.0 | 46.999 | 1.903 | 0.0 | 48.296 | 1.352 | 0.0 | 44.889 | 1.98  | 0.0 | 43.157 | 1.319 | 0.0 | 50.747 | 1.744 | 0.0 | 49.543 | 1.298 | 0.0 | 43.764 | 1.613 |
| 69  | 10965 | 10966 | NS | 1 | 0.0 | 47.824 | 4.336 | 0.0 | 41.832 | 5.805 | 0.0 | 42.606 | 3.427 | 0.0 | 45.711 | 4.545 | 0.0 | 49.899 | 4.386 | 0.0 | 41.547 | 5.383 | 0.0 | 44.048 | 3.398 | 0.0 | 43.123 | 3.962 |
| 70  | 10965 | 10966 | SN | 1 | 0.0 | 41.163 | 1.425 | 0.0 | 44.464 | 2.006 | 0.0 | 46.025 | 1.35  | 0.0 | 44.889 | 2.019 | 0.0 | 43.157 | 1.377 | 0.0 | 46.492 | 1.816 | 0.0 | 46.488 | 1.286 | 0.0 | 43.764 | 1.631 |
| 71  | 10965 | 10966 | SN | 1 | 0.0 | 54.324 | 5.667 | 0.0 | 56.142 | 7.649 | 0.0 | 50.875 | 4.419 | 0.0 | 47.948 | 6.003 | 0.0 | 55.077 | 5.737 | 0.0 | 57.881 | 7.315 | 0.0 | 50.077 | 4.32  | 0.0 | 46.551 | 5.261 |
| 72  | 10965 | 10966 | NS | 1 | 0.0 | 47.894 | 4.295 | 0.0 | 45.771 | 5.815 | 0.0 | 42.546 | 3.406 | 0.0 | 45.036 | 4.516 | 0.0 | 49.967 | 4.356 | 0.0 | 44.72  | 5.363 | 0.0 | 43.987 | 3.363 | 0.0 | 42.448 | 4.011 |
| 73  | 10965 | 10966 | SN | 1 | 0.0 | 56.458 | 5.226 | 0.0 | 52.392 | 7.221 | 0.0 | 45.465 | 4.566 | 0.0 | 42.852 | 5.859 | 0.0 | 57.068 | 5.32  | 0.0 | 51.977 | 6.957 | 0.0 | 45.495 | 4.314 | 0.0 | 42.668 | 5.061 |
| 74  | 10966 | 10967 | SN | 1 | 0.0 | 45.824 | 1.342 | 0.0 | 44.58  | 1.748 | 0.0 | 37.351 | 1.072 | 0.0 | 39.888 | 1.546 | 0.0 | 46.561 | 1.288 | 0.0 | 45.008 | 1.631 | 0.0 | 37.615 | 0.996 | 0.0 | 39.29  | 1.281 |
| 75  | 10966 | 10967 | SN | 1 | 0.0 | 47.945 | 4.184 | 0.0 | 52.57  | 5.414 | 0.0 | 43.757 | 3.975 | 0.0 | 45.664 | 5.039 | 0.0 | 48.233 | 4.151 | 0.0 | 52.465 | 5.044 | 0.0 | 45.814 | 3.715 | 0.0 | 47.716 | 4.381 |
| 76  | 10966 | 10967 | NS | 1 | 0.0 | 44.778 | 1.592 | 0.0 | 47.092 | 1.962 | 0.0 | 41.212 | 2.244 | 0.0 | 41.754 | 3.322 | 0.0 | 44.938 | 1.602 | 0.0 | 46.469 | 1.69  | 0.0 | 42.558 | 2.165 | 0.0 | 39.529 | 2.731 |
| 77  | 10966 | 10967 | SN | 1 | 0.0 | 48.007 | 1.342 | 0.0 | 53.112 | 1.751 | 0.0 | 41.942 | 1.101 | 0.0 | 38.987 | 1.573 | 0.0 | 46.655 | 1.303 | 0.0 | 52.409 | 1.597 | 0.0 | 43.272 | 1.023 | 0.0 | 39.207 | 1.317 |
| 78  | 10966 | 10967 | SN | 1 | 0.0 | 45.03  | 1.24  | 0.0 | 44.58  | 1.629 | 0.0 | 37.351 | 1.049 | 0.0 | 39.888 | 1.429 | 0.0 | 44.757 | 1.192 | 0.0 | 43.137 | 1.491 | 0.0 | 37.615 | 0.968 | 0.0 | 39.29  | 1.182 |
| 79  | 10966 | 10967 | NS | 1 | 0.0 | 46.13  | 1.623 | 0.0 | 48.755 | 1.942 | 0.0 | 46.503 | 2.486 | 0.0 | 44.099 | 3.35  | 0.0 | 45.338 | 1.563 | 0.0 | 46.595 | 1.72  | 0.0 | 46.433 | 2.365 | 0.0 | 40.67  | 2.994 |
| 80  | 10966 | 10967 | SN | 1 | 0.0 | 47.945 | 4.321 | 0.0 | 52.57  | 5.729 | 0.0 | 43.737 | 4.05  | 0.0 | 45.917 | 5.326 | 0.0 | 48.233 | 4.291 | 0.0 | 52.465 | 5.315 | 0.0 | 45.814 | 3.845 | 0.0 | 50.085 | 4.649 |
| 81  | 10966 | 10967 | SN | 1 | 0.0 | 44.093 | 4.291 | 0.0 | 52.47  | 5.719 | 0.0 | 46.786 | 4.065 | 0.0 | 54.046 | 5.297 | 0.0 | 44.118 | 4.27  | 0.0 | 52.57  | 5.315 | 0.0 | 46.262 | 3.753 | 0.0 | 55.196 | 4.606 |
| 82  | 10966 | 10967 | NS | 1 | 0.0 | 44.549 | 0.588 | 0.0 | 43.822 | 0.722 | 0.0 | 41.325 | 0.75  | 0.0 | 44.566 | 1.123 | 0.0 | 44.665 | 0.572 | 0.0 | 40.743 | 0.648 | 0.0 | 41.121 | 0.693 | 0.0 | 43.647 | 0.934 |
| 83  | 10966 | 10967 | NS | 1 | 0.0 | 52.084 | 0.559 | 0.0 | 46.085 | 0.714 | 0.0 | 43.11  | 0.736 | 0.0 | 36.449 | 1.105 | 0.0 | 52.624 | 0.566 | 0.0 | 46.783 | 0.596 | 0.0 | 39.885 | 0.683 | 0.0 | 40.753 | 0.905 |
| 84  | 10967 | 10968 | NS | 1 | 0.0 | 42.038 | 1.105 | 0.0 | 45.664 | 1.677 | 0.0 | 44.06  | 1.316 | 0.0 | 43.308 | 1.868 | 0.0 | 42.78  | 1.123 | 0.0 | 42.595 | 1.543 | 0.0 | 42.175 | 1.291 | 0.0 | 42.824 | 1.561 |
| 85  | 10967 | 10968 | NS | 1 | 0.0 | 50.805 | 4.536 | 0.0 | 47.241 | 6.55  | 0.0 | 41.607 | 4.946 | 0.0 | 42.419 | 6.252 | 0.0 | 51.278 | 4.596 | 0.0 | 48.846 | 6.208 | 0.0 | 44.404 | 4.732 | 0.0 | 39.834 | 5.505 |
| 86  | 10967 | 10968 | NS | 1 | 0.0 | 50.805 | 4.536 | 0.0 | 47.241 | 6.58  | 0.0 | 41.607 | 5.003 | 0.0 | 42.419 | 6.266 | 0.0 | 51.278 | 4.556 | 0.0 | 48.846 | 6.208 | 0.0 | 44.404 | 4.825 | 0.0 | 40.052 | 5.52  |
| 87  | 10967 | 10968 | SN | 1 | 0.0 | 48.588 | 4.561 | 0.0 | 50.25  | 5.393 | 0.0 | 45.205 | 4.594 | 0.0 | 44.688 | 5.158 | 0.0 | 48.867 | 4.591 | 0.0 | 50.14  | 4.919 | 0.0 | 44.424 | 4.531 | 0.0 | 43.254 | 4.823 |
| 88  | 10967 | 10968 | SN | 1 | 0.0 | 48.588 | 4.561 | 0.0 | 50.25  | 5.393 | 0.0 | 45.205 | 4.594 | 0.0 | 44.688 | 5.158 | 0.0 | 48.867 | 4.591 | 0.0 | 50.14  | 4.919 | 0.0 | 44.424 | 4.531 | 0.0 | 43.254 | 4.823 |
| 89  | 10967 | 10968 | NS | 1 | 0.0 | 42.038 | 1.12  | 0.0 | 45.664 | 1.677 | 0.0 | 44.06  | 1.312 | 0.0 | 43.308 | 1.873 | 0.0 | 42.78  | 1.136 | 0.0 | 42.595 | 1.539 | 0.0 | 42.175 | 1.273 | 0.0 | 42.824 | 1.561 |
| 90  | 10967 | 10968 | SN | 1 | 0.0 | 50.062 | 1.492 | 0.0 | 42.026 | 1.863 | 0.0 | 38.559 | 1.465 | 0.0 | 39.356 | 1.763 | 0.0 | 49.339 | 1.528 | 0.0 | 39.725 | 1.763 | 0.0 | 36.827 | 1.41  | 0.0 | 37.682 | 1.543 |
| 91  | 10967 | 10968 | SN | 1 | 0.0 | 50.062 | 1.492 | 0.0 | 42.026 | 1.863 | 0.0 | 38.559 | 1.465 | 0.0 | 39.356 | 1.763 | 0.0 | 49.339 | 1.528 | 0.0 | 39.725 | 1.763 | 0.0 | 36.827 | 1.41  | 0.0 | 37.682 | 1.543 |
| 92  | 10968 | 10969 | NS | 1 | 0.0 | 46.591 | 0.839 | 0.0 | 45.012 | 1.251 | 0.0 | 38.704 | 0.979 | 0.0 | 39.6   | 1.411 | 0.0 | 47.768 | 0.821 | 0.0 | 45.624 | 1.097 | 0.0 | 38.649 | 0.949 | 0.0 | 40.225 | 1.191 |
| 93  | 10968 | 10969 | SN | 1 | 0.0 | 43.242 | 1.991 | 0.0 | 44.942 | 2.782 | 0.0 | 41.551 | 2.154 | 0.0 | 47.74  | 2.744 | 0.0 | 43.152 | 2.022 | 0.0 | 44.59  | 2.846 | 0.0 | 39.876 | 2.254 | 0.0 | 49.385 | 2.799 |
| 94  | 10968 | 10969 | SN | 1 | 0.0 | 54.897 | 7.352 | 0.0 | 52.208 | 8.554 | 0.0 | 49.0   | 6.607 | 0.0 | 45.392 | 7.986 | 0.0 | 54.831 | 7.593 | 0.0 | 52.54  | 8.544 | 0.0 | 46.616 | 7.074 | 0.0 | 46.244 | 8.414 |
| 95  | 10968 | 10969 | NS | 1 | 0.0 | 45.349 | 3.659 | 0.0 | 50.562 | 4.771 | 0.0 | 47.287 | 3.569 | 0.0 | 48.633 | 4.542 | 0.0 | 46.637 | 3.699 | 0.0 | 49.278 | 4.52  | 0.0 | 46.919 | 3.455 | 0.0 | 45.56  | 3.965 |
| 96  | 10968 | 10969 | NS | 1 | 0.0 | 45.349 | 3.679 | 0.0 | 50.562 | 4.792 | 0.0 | 47.287 | 3.562 | 0.0 | 48.633 | 4.492 | 0.0 | 46.637 | 3.719 | 0.0 | 49.278 | 4.449 | 0.0 | 46.919 | 3.477 | 0.0 | 45.56  | 3.915 |
| 97  | 10968 | 10969 | NS | 1 | 0.0 | 46.591 | 0.842 | 0.0 | 45.012 | 1.251 | 0.0 | 38.704 | 1.006 | 0.0 | 40.383 | 1.443 | 0.0 | 47.768 | 0.839 | 0.0 | 45.624 | 1.095 | 0.0 | 38.649 | 0.971 | 0.0 | 40.225 | 1.209 |
| 98  | 10969 | 10970 | NS | 1 | 0.0 | 46.684 | 2.901 | 0.0 | 50.106 | 4.058 | 0.0 | 45.318 | 3.677 | 0.0 | 48.935 | 4.644 | 0.0 | 48.716 | 2.911 | 0.0 | 47.485 | 3.684 | 0.0 | 43.971 | 3.548 | 0.0 | 48.889 | 4.229 |
| 99  | 10969 | 10970 | NS | 1 | 0.0 | 46.684 | 2.882 | 0.0 | 50.106 | 4.037 | 0.0 | 45.318 | 3.662 | 0.0 | 48.935 | 4.613 | 0.0 | 48.716 | 2.893 | 0.0 | 47.485 | 3.665 | 0.0 | 43.971 | 3.527 | 0.0 | 48.889 | 4.2   |
| 100 | 10969 | 10970 | NS | 1 | 0.0 | 47.94  | 2.903 | 0.0 | 50.106 | 4.057 | 0.0 | 49.945 | 3.691 | 0.0 | 48.935 | 4.634 | 0.0 | 49.97  | 2.923 | 0.0 | 47.485 | 3.675 | 0.0 | 48.791 | 3.605 | 0.0 | 48.889 | 4.221 |
| 101 | 10969 | 10970 | SN | 1 | 0.0 | 55.254 | 1.659 | 0.0 | 49.628 | 2.05  | 0.0 | 47.347 | 2.515 | 0.0 | 43.856 | 2.49  | 0.0 | 55.484 | 1.649 | 0.0 | 52.757 | 1.818 | 0.0 | 48.563 | 2.309 | 0.0 | 44.634 | 1.989 |
| 102 | 10969 | 10970 | SN | 1 | 0.0 | 44.872 | 0.563 | 0.0 | 44.382 | 0.654 | 0.0 | 39.585 | 0.622 | 0.0 | 41.364 | 0.752 | 0.0 | 46.173 | 0.558 | 0.0 | 45.068 | 0.595 | 0.0 | 38.607 | 0.539 | 0.0 | 43.422 | 0.6   |
| 103 | 10969 | 10970 | SN | 1 | 0.0 | 44.872 | 0.563 | 0.0 | 44.382 | 0.654 | 0.0 | 39.585 | 0.622 | 0.0 | 41.364 | 0.752 | 0.0 | 46.173 | 0.558 | 0.0 | 45.068 | 0.595 | 0.0 | 38.607 | 0.539 | 0.0 | 43.422 | 0.6   |

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

|     |       |       |    |   |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 104 | 10969 | 10970 | SN | 1 | 0.0 | 55.254 | 1.659 | 0.0 | 49.628 | 2.05  | 0.0 | 47.347 | 2.501 | 0.0 | 43.318 | 2.49  | 0.0 | 55.484 | 1.649 | 0.0 | 52.757 | 1.818 | 0.0 | 48.563 | 2.302 | 0.0 | 44.634 | 1.989 |
| 105 | 10969 | 10970 | NS | 1 | 0.0 | 45.686 | 0.957 | 0.0 | 38.664 | 1.343 | 0.0 | 43.65  | 1.235 | 0.0 | 44.247 | 1.544 | 0.0 | 45.205 | 0.971 | 0.0 | 36.944 | 1.289 | 0.0 | 43.854 | 1.187 | 0.0 | 41.369 | 1.45  |
| 106 | 10969 | 10970 | SN | 1 | 0.0 | 55.254 | 1.659 | 0.0 | 49.628 | 2.05  | 0.0 | 47.347 | 2.515 | 0.0 | 43.856 | 2.49  | 0.0 | 55.484 | 1.649 | 0.0 | 52.757 | 1.818 | 0.0 | 48.563 | 2.309 | 0.0 | 44.634 | 1.989 |
| 107 | 10969 | 10970 | NS | 1 | 0.0 | 45.686 | 0.953 | 0.0 | 38.833 | 1.352 | 0.0 | 37.054 | 1.225 | 0.0 | 44.247 | 1.56  | 0.0 | 45.205 | 0.962 | 0.0 | 36.944 | 1.295 | 0.0 | 37.953 | 1.182 | 0.0 | 41.369 | 1.464 |
| 108 | 10969 | 10970 | NS | 1 | 0.0 | 45.686 | 0.958 | 0.0 | 38.833 | 1.359 | 0.0 | 37.054 | 1.236 | 0.0 | 44.247 | 1.566 | 0.0 | 45.205 | 0.967 | 0.0 | 36.944 | 1.302 | 0.0 | 37.953 | 1.189 | 0.0 | 41.369 | 1.472 |
| 109 | 10970 | 10971 | SN | 1 | 0.0 | 50.047 | 3.778 | 0.0 | 45.661 | 4.848 | 0.0 | 43.322 | 3.449 | 0.0 | 43.704 | 4.931 | 0.0 | 52.164 | 3.688 | 0.0 | 48.724 | 4.484 | 0.0 | 43.642 | 3.173 | 0.0 | 45.765 | 4.239 |
| 110 | 10970 | 10971 | NS | 1 | 0.0 | 39.968 | 0.914 | 0.0 | 39.588 | 1.128 | 0.0 | 40.406 | 1.13  | 0.0 | 38.868 | 1.646 | 0.0 | 40.584 | 0.927 | 0.0 | 37.131 | 0.995 | 0.0 | 36.703 | 1.068 | 0.0 | 37.769 | 1.348 |
| 111 | 10970 | 10971 | NS | 1 | 0.0 | 39.968 | 0.942 | 0.0 | 38.118 | 1.158 | 0.0 | 40.406 | 1.153 | 0.0 | 38.868 | 1.7   | 0.0 | 40.584 | 0.954 | 0.0 | 37.13  | 1.032 | 0.0 | 36.703 | 1.104 | 0.0 | 37.769 | 1.398 |
| 112 | 10970 | 10971 | NS | 1 | 0.0 | 43.78  | 3.325 | 0.0 | 44.416 | 3.693 | 0.0 | 35.914 | 3.575 | 0.0 | 37.934 | 4.448 | 0.0 | 44.715 | 3.254 | 0.0 | 46.702 | 3.221 | 0.0 | 36.924 | 3.553 | 0.0 | 36.34  | 3.965 |
| 113 | 10970 | 10971 | SN | 1 | 0.0 | 49.843 | 0.775 | 0.0 | 44.538 | 1.373 | 0.0 | 42.044 | 0.889 | 0.0 | 42.86  | 1.523 | 0.0 | 48.804 | 0.769 | 0.0 | 41.827 | 1.195 | 0.0 | 40.371 | 0.838 | 0.0 | 40.165 | 1.167 |
| 114 | 10970 | 10971 | NS | 1 | 0.0 | 44.206 | 3.439 | 0.0 | 44.421 | 3.76  | 0.0 | 36.477 | 3.731 | 0.0 | 38.341 | 4.578 | 0.0 | 45.139 | 3.408 | 0.0 | 46.707 | 3.303 | 0.0 | 37.767 | 3.717 | 0.0 | 38.531 | 4.065 |
| 115 | 10970 | 10971 | NS | 1 | 0.0 | 44.206 | 3.439 | 0.0 | 44.421 | 3.76  | 0.0 | 36.477 | 3.731 | 0.0 | 38.341 | 4.578 | 0.0 | 45.139 | 3.408 | 0.0 | 46.707 | 3.303 | 0.0 | 37.767 | 3.717 | 0.0 | 38.531 | 4.065 |
| 116 | 10971 | 10972 | NS | 1 | 0.0 | 50.782 | 4.332 | 0.0 | 47.049 | 5.398 | 0.0 | 42.705 | 5.056 | 0.0 | 41.627 | 5.838 | 0.0 | 51.444 | 4.382 | 0.0 | 45.011 | 5.055 | 0.0 | 39.952 | 4.828 | 0.0 | 40.481 | 5.738 |
| 117 | 10971 | 10972 | SN | 1 | 0.0 | 50.895 | 5.893 | 0.0 | 44.506 | 7.161 | 0.0 | 40.326 | 4.778 | 0.0 | 55.042 | 6.224 | 0.0 | 50.679 | 6.003 | 0.0 | 43.51  | 7.171 | 0.0 | 40.413 | 4.778 | 0.0 | 49.792 | 5.981 |
| 118 | 10971 | 10972 | NS | 1 | 0.0 | 45.227 | 1.253 | 0.0 | 38.482 | 1.665 | 0.0 | 39.855 | 1.509 | 0.0 | 38.565 | 2.026 | 0.0 | 46.726 | 1.264 | 0.0 | 37.932 | 1.568 | 0.0 | 38.207 | 1.462 | 0.0 | 36.979 | 1.851 |
| 119 | 10971 | 10972 | NS | 1 | 0.0 | 46.062 | 1.255 | 0.0 | 37.727 | 1.671 | 0.0 | 37.363 | 1.544 | 0.0 | 39.466 | 2.031 | 0.0 | 47.561 | 1.242 | 0.0 | 38.683 | 1.545 | 0.0 | 35.483 | 1.493 | 0.0 | 37.153 | 1.845 |
| 120 | 10971 | 10972 | SN | 1 | 0.0 | 50.85  | 5.923 | 0.0 | 44.495 | 7.182 | 0.0 | 40.073 | 4.828 | 0.0 | 55.819 | 6.231 | 0.0 | 50.634 | 6.134 | 0.0 | 43.704 | 7.182 | 0.0 | 40.233 | 4.821 | 0.0 | 50.572 | 5.974 |
| 121 | 10971 | 10972 | NS | 1 | 0.0 | 48.14  | 4.292 | 0.0 | 48.559 | 5.478 | 0.0 | 44.291 | 4.963 | 0.0 | 48.531 | 5.859 | 0.0 | 48.8   | 4.342 | 0.0 | 50.734 | 4.975 | 0.0 | 43.341 | 4.864 | 0.0 | 45.306 | 5.603 |
| 122 | 10971 | 10972 | SN | 1 | 0.0 | 45.613 | 1.488 | 0.0 | 40.723 | 2.295 | 0.0 | 39.871 | 1.574 | 0.0 | 43.089 | 2.142 | 0.0 | 44.346 | 1.491 | 0.0 | 40.774 | 2.205 | 0.0 | 40.109 | 1.537 | 0.0 | 40.46  | 1.935 |
| 123 | 10971 | 10972 | SN | 1 | 0.0 | 45.615 | 1.484 | 0.0 | 41.69  | 2.297 | 0.0 | 39.826 | 1.55  | 0.0 | 42.315 | 2.111 | 0.0 | 44.346 | 1.486 | 0.0 | 41.74  | 2.169 | 0.0 | 40.343 | 1.521 | 0.0 | 41.011 | 1.908 |
| 124 | 10972 | 10973 | NS | 1 | 0.0 | 47.18  | 1.882 | 0.0 | 46.981 | 2.351 | 0.0 | 48.89  | 1.699 | 0.0 | 40.586 | 2.251 | 0.0 | 47.538 | 1.918 | 0.0 | 45.414 | 2.274 | 0.0 | 48.859 | 1.718 | 0.0 | 38.504 | 2.079 |
| 125 | 10972 | 10973 | NS | 1 | 0.0 | 47.128 | 1.884 | 0.0 | 46.948 | 2.326 | 0.0 | 39.781 | 1.701 | 0.0 | 40.624 | 2.248 | 0.0 | 47.538 | 1.925 | 0.0 | 45.414 | 2.265 | 0.0 | 36.355 | 1.734 | 0.0 | 38.507 | 2.062 |
| 126 | 10972 | 10973 | SN | 1 | 0.0 | 37.038 | 0.77  | 0.0 | 42.56  | 1.319 | 0.0 | 40.199 | 1.051 | 0.0 | 47.388 | 1.592 | 0.0 | 38.439 | 0.727 | 0.0 | 41.689 | 1.135 | 0.0 | 37.115 | 0.878 | 0.0 | 44.757 | 1.278 |
| 127 | 10972 | 10973 | SN | 1 | 0.0 | 45.239 | 0.763 | 0.0 | 43.313 | 1.323 | 0.0 | 41.664 | 1.039 | 0.0 | 41.293 | 1.614 | 0.0 | 46.822 | 0.734 | 0.0 | 44.055 | 1.14  | 0.0 | 38.51  | 0.89  | 0.0 | 41.866 | 1.276 |
| 128 | 10972 | 10973 | SN | 1 | 0.0 | 46.353 | 3.466 | 0.0 | 57.092 | 4.598 | 0.0 | 44.295 | 3.257 | 0.0 | 44.88  | 4.855 | 0.0 | 46.768 | 3.496 | 0.0 | 58.518 | 4.032 | 0.0 | 42.887 | 2.96  | 0.0 | 45.383 | 3.964 |
| 129 | 10972 | 10973 | NS | 1 | 0.0 | 51.336 | 7.717 | 0.0 | 48.201 | 9.769 | 0.0 | 48.088 | 5.818 | 0.0 | 48.8   | 7.368 | 0.0 | 52.242 | 7.798 | 0.0 | 49.097 | 9.366 | 0.0 | 47.676 | 5.932 | 0.0 | 49.99  | 7.041 |
| 130 | 10972 | 10973 | NS | 1 | 0.0 | 51.323 | 7.778 | 0.0 | 48.208 | 9.718 | 0.0 | 48.092 | 5.839 | 0.0 | 48.661 | 7.382 | 0.0 | 51.561 | 7.898 | 0.0 | 49.119 | 9.326 | 0.0 | 47.784 | 5.953 | 0.0 | 49.771 | 7.076 |
| 131 | 10972 | 10973 | SN | 1 | 0.0 | 46.693 | 3.506 | 0.0 | 52.187 | 4.578 | 0.0 | 43.126 | 3.222 | 0.0 | 45.527 | 4.848 | 0.0 | 47.106 | 3.546 | 0.0 | 53.088 | 4.012 | 0.0 | 43.277 | 2.931 | 0.0 | 44.586 | 3.928 |
| 132 | 10973 | 10974 | SN | 1 | 0.0 | 52.091 | 2.672 | 0.0 | 49.154 | 3.737 | 0.0 | 44.124 | 2.47  | 0.0 | 44.744 | 3.476 | 0.0 | 51.564 | 2.743 | 0.0 | 50.805 | 3.292 | 0.0 | 44.197 | 2.194 | 0.0 | 47.051 | 2.692 |
| 133 | 10973 | 10974 | SN | 1 | 0.0 | 48.152 | 2.787 | 0.0 | 49.349 | 3.809 | 0.0 | 46.883 | 2.484 | 0.0 | 44.744 | 3.471 | 0.0 | 48.09  | 2.871 | 0.0 | 51.001 | 3.366 | 0.0 | 44.828 | 2.284 | 0.0 | 47.051 | 2.704 |
| 134 | 10973 | 10974 | NS | 1 | 0.0 | 54.411 | 8.487 | 0.0 | 47.425 | 9.83  | 0.0 | 48.611 | 8.132 | 0.0 | 49.507 | 9.262 | 0.0 | 54.766 | 8.497 | 0.0 | 48.241 | 9.055 | 0.0 | 50.6   | 8.075 | 0.0 | 45.657 | 8.643 |
| 135 | 10973 | 10974 | SN | 1 | 0.0 | 48.765 | 0.728 | 0.0 | 48.557 | 1.09  | 0.0 | 38.432 | 0.762 | 0.0 | 39.65  | 1.141 | 0.0 | 48.888 | 0.7   | 0.0 | 49.292 | 0.97  | 0.0 | 37.25  | 0.709 | 0.0 | 38.764 | 0.801 |
| 136 | 10973 | 10974 | SN | 1 | 0.0 | 42.804 | 0.707 | 0.0 | 48.557 | 1.058 | 0.0 | 40.83  | 0.752 | 0.0 | 45.197 | 1.113 | 0.0 | 43.692 | 0.695 | 0.0 | 49.292 | 0.947 | 0.0 | 42.267 | 0.687 | 0.0 | 45.731 | 0.785 |
| 137 | 10973 | 10974 | NS | 1 | 0.0 | 48.514 | 2.608 | 0.0 | 48.248 | 3.086 | 0.0 | 41.002 | 2.314 | 0.0 | 42.894 | 2.854 | 0.0 | 49.839 | 2.64  | 0.0 | 49.585 | 2.842 | 0.0 | 41.553 | 2.227 | 0.0 | 42.794 | 2.604 |
| 138 | 10973 | 10974 | NS | 1 | 0.0 | 49.153 | 8.129 | 0.0 | 52.951 | 9.436 | 0.0 | 48.865 | 8.15  | 0.0 | 52.091 | 9.224 | 0.0 | 50.21  | 8.422 | 0.0 | 53.726 | 8.933 | 0.0 | 46.856 | 8.007 | 0.0 | 49.048 | 8.492 |
| 139 | 10973 | 10974 | NS | 1 | 0.0 | 49.086 | 2.603 | 0.0 | 48.126 | 3.057 | 0.0 | 43.919 | 2.463 | 0.0 | 45.524 | 3.005 | 0.0 | 48.922 | 2.567 | 0.0 | 46.199 | 2.859 | 0.0 | 42.4   | 2.386 | 0.0 | 44.372 | 2.711 |

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

|     |       |       |    |   |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 140 | 10974 | 10975 | NS | 1 | 0.0 | 53.359 | 4.999 | 0.0 | 51.743 | 5.815 | 0.0 | 52.364 | 4.234 | 0.0 | 50.42  | 5.164 | 0.0 | 53.599 | 5.04  | 0.0 | 52.121 | 5.544 | 0.0 | 49.399 | 3.991 | 0.0 | 49.656 | 4.802 |
| 141 | 10974 | 10975 | SN | 1 | 0.0 | 43.33  | 4.193 | 0.0 | 53.07  | 5.272 | 0.0 | 42.55  | 4.15  | 0.0 | 43.335 | 4.993 | 0.0 | 44.492 | 4.293 | 0.0 | 53.658 | 5.06  | 0.0 | 44.002 | 3.944 | 0.0 | 41.9   | 4.837 |
| 142 | 10974 | 10975 | NS | 1 | 0.0 | 53.359 | 4.989 | 0.0 | 51.743 | 5.815 | 0.0 | 52.403 | 4.262 | 0.0 | 50.42  | 5.179 | 0.0 | 53.599 | 5.06  | 0.0 | 52.121 | 5.534 | 0.0 | 49.399 | 4.006 | 0.0 | 49.656 | 4.83  |
| 143 | 10974 | 10975 | SN | 1 | 0.0 | 43.33  | 4.193 | 0.0 | 53.07  | 5.272 | 0.0 | 42.55  | 4.157 | 0.0 | 43.335 | 4.993 | 0.0 | 44.492 | 4.293 | 0.0 | 53.658 | 5.06  | 0.0 | 44.002 | 3.951 | 0.0 | 41.9   | 4.837 |
| 144 | 10974 | 10975 | NS | 1 | 0.0 | 46.968 | 1.335 | 0.0 | 49.15  | 1.498 | 0.0 | 42.026 | 1.106 | 0.0 | 45.742 | 1.636 | 0.0 | 46.594 | 1.308 | 0.0 | 51.52  | 1.46  | 0.0 | 41.458 | 1.022 | 0.0 | 42.607 | 1.4   |
| 145 | 10974 | 10975 | SN | 1 | 0.0 | 40.83  | 1.103 | 0.0 | 46.606 | 1.465 | 0.0 | 41.422 | 1.292 | 0.0 | 43.202 | 1.607 | 0.0 | 40.049 | 1.146 | 0.0 | 47.351 | 1.32  | 0.0 | 44.002 | 1.239 | 0.0 | 44.231 | 1.529 |
| 146 | 10974 | 10975 | SN | 1 | 0.0 | 40.83  | 1.103 | 0.0 | 46.606 | 1.465 | 0.0 | 41.422 | 1.292 | 0.0 | 43.202 | 1.607 | 0.0 | 40.049 | 1.146 | 0.0 | 47.351 | 1.32  | 0.0 | 44.002 | 1.239 | 0.0 | 44.231 | 1.529 |
| 147 | 10974 | 10975 | SN | 1 | 0.0 | 43.33  | 4.2   | 0.0 | 53.07  | 5.325 | 0.0 | 42.567 | 4.191 | 0.0 | 43.335 | 4.973 | 0.0 | 44.492 | 4.301 | 0.0 | 53.658 | 5.111 | 0.0 | 44.019 | 3.991 | 0.0 | 41.9   | 4.836 |
| 148 | 10974 | 10975 | SN | 1 | 0.0 | 40.83  | 1.116 | 0.0 | 46.606 | 1.482 | 0.0 | 41.422 | 1.301 | 0.0 | 43.202 | 1.604 | 0.0 | 40.049 | 1.159 | 0.0 | 47.351 | 1.335 | 0.0 | 44.002 | 1.248 | 0.0 | 44.231 | 1.52  |
| 149 | 10974 | 10975 | NS | 1 | 0.0 | 48.189 | 1.333 | 0.0 | 49.15  | 1.5   | 0.0 | 46.722 | 1.111 | 0.0 | 45.742 | 1.65  | 0.0 | 47.907 | 1.311 | 0.0 | 51.52  | 1.462 | 0.0 | 47.59  | 1.035 | 0.0 | 42.607 | 1.403 |
| 150 | 10975 | 10976 | SN | 1 | 0.0 | 41.661 | 1.037 | 0.0 | 37.812 | 1.433 | 0.0 | 41.127 | 1.177 | 0.0 | 42.597 | 1.895 | 0.0 | 42.029 | 1.041 | 0.0 | 37.732 | 1.326 | 0.0 | 43.291 | 1.132 | 0.0 | 39.41  | 1.681 |
| 151 | 10975 | 10976 | NS | 1 | 0.0 | 50.754 | 4.383 | 0.0 | 52.991 | 6.12  | 0.0 | 51.074 | 3.755 | 0.0 | 42.535 | 5.495 | 0.0 | 50.961 | 4.272 | 0.0 | 53.287 | 5.898 | 0.0 | 50.342 | 3.805 | 0.0 | 43.608 | 5.146 |
| 152 | 10975 | 10976 | NS | 1 | 0.0 | 48.279 | 4.303 | 0.0 | 55.656 | 6.17  | 0.0 | 47.149 | 3.805 | 0.0 | 42.974 | 5.474 | 0.0 | 48.483 | 4.232 | 0.0 | 55.955 | 5.969 | 0.0 | 46.312 | 3.847 | 0.0 | 44.461 | 5.246 |
| 153 | 10975 | 10976 | SN | 1 | 0.0 | 43.678 | 3.331 | 0.0 | 49.416 | 3.969 | 0.0 | 43.994 | 3.707 | 0.0 | 39.246 | 5.084 | 0.0 | 44.717 | 3.382 | 0.0 | 48.268 | 3.928 | 0.0 | 41.236 | 3.635 | 0.0 | 42.327 | 4.738 |
| 154 | 10975 | 10976 | SN | 1 | 0.0 | 43.678 | 3.311 | 0.0 | 49.416 | 3.969 | 0.0 | 43.994 | 3.707 | 0.0 | 39.246 | 5.105 | 0.0 | 44.717 | 3.361 | 0.0 | 48.268 | 3.918 | 0.0 | 41.236 | 3.635 | 0.0 | 42.327 | 4.731 |
| 155 | 10975 | 10976 | SN | 1 | 0.0 | 43.678 | 3.277 | 0.0 | 49.416 | 4.01  | 0.0 | 43.994 | 3.688 | 0.0 | 39.246 | 5.103 | 0.0 | 44.717 | 3.327 | 0.0 | 48.268 | 3.969 | 0.0 | 41.236 | 3.618 | 0.0 | 42.327 | 4.725 |
| 156 | 10975 | 10976 | NS | 1 | 0.0 | 46.218 | 1.03  | 0.0 | 53.591 | 1.736 | 0.0 | 46.314 | 1.075 | 0.0 | 46.065 | 1.625 | 0.0 | 45.226 | 1.016 | 0.0 | 53.439 | 1.732 | 0.0 | 46.611 | 1.077 | 0.0 | 45.718 | 1.506 |
| 157 | 10975 | 10976 | NS | 1 | 0.0 | 55.737 | 1.016 | 0.0 | 56.254 | 1.775 | 0.0 | 45.581 | 1.111 | 0.0 | 44.784 | 1.609 | 0.0 | 53.862 | 1.007 | 0.0 | 56.103 | 1.75  | 0.0 | 45.88  | 1.097 | 0.0 | 44.969 | 1.524 |
| 158 | 10975 | 10976 | SN | 1 | 0.0 | 41.661 | 1.039 | 0.0 | 41.771 | 1.437 | 0.0 | 41.127 | 1.17  | 0.0 | 42.597 | 1.889 | 0.0 | 42.029 | 1.039 | 0.0 | 39.704 | 1.33  | 0.0 | 43.291 | 1.134 | 0.0 | 39.41  | 1.681 |
| 159 | 10975 | 10976 | SN | 1 | 0.0 | 41.661 | 1.028 | 0.0 | 37.812 | 1.432 | 0.0 | 41.127 | 1.159 | 0.0 | 42.597 | 1.881 | 0.0 | 42.029 | 1.031 | 0.0 | 37.732 | 1.335 | 0.0 | 43.291 | 1.127 | 0.0 | 39.41  | 1.677 |
| 160 | 10976 | 10977 | SN | 1 | 0.0 | 47.584 | 4.857 | 0.0 | 50.451 | 5.702 | 0.0 | 42.775 | 4.129 | 0.0 | 41.585 | 5.516 | 0.0 | 49.174 | 4.847 | 0.0 | 49.53  | 5.476 | 0.0 | 44.594 | 4.042 | 0.0 | 38.005 | 5.074 |
| 161 | 10976 | 10977 | SN | 1 | 0.0 | 43.304 | 1.191 | 0.0 | 40.534 | 1.572 | 0.0 | 37.402 | 1.293 | 0.0 | 43.308 | 1.997 | 0.0 | 44.311 | 1.18  | 0.0 | 41.808 | 1.452 | 0.0 | 37.481 | 1.261 | 0.0 | 42.265 | 1.789 |
| 162 | 10976 | 10977 | NS | 1 | 0.0 | 51.022 | 7.256 | 0.0 | 54.493 | 8.405 | 0.0 | 42.796 | 5.678 | 0.0 | 48.941 | 6.498 | 0.0 | 51.308 | 7.508 | 0.0 | 54.303 | 9.18  | 0.0 | 43.573 | 6.099 | 0.0 | 47.155 | 6.989 |
| 163 | 10976 | 10977 | SN | 1 | 0.0 | 44.357 | 1.173 | 0.0 | 39.664 | 1.577 | 0.0 | 37.402 | 1.316 | 0.0 | 43.288 | 1.973 | 0.0 | 42.924 | 1.145 | 0.0 | 39.764 | 1.428 | 0.0 | 35.635 | 1.291 | 0.0 | 42.159 | 1.761 |
| 164 | 10976 | 10977 | NS | 1 | 0.0 | 51.003 | 1.908 | 0.0 | 45.966 | 2.46  | 0.0 | 40.872 | 1.618 | 0.0 | 42.168 | 2.019 | 0.0 | 51.473 | 1.951 | 0.0 | 45.1   | 2.507 | 0.0 | 40.942 | 1.744 | 0.0 | 43.074 | 2.222 |
| 165 | 10976 | 10977 | SN | 1 | 0.0 | 43.998 | 4.836 | 0.0 | 50.451 | 5.777 | 0.0 | 42.775 | 4.065 | 0.0 | 41.167 | 5.666 | 0.0 | 45.857 | 4.846 | 0.0 | 49.53  | 5.545 | 0.0 | 44.594 | 3.952 | 0.0 | 40.709 | 5.11  |
| 166 | 10976 | 10977 | NS | 1 | 0.0 | 52.697 | 1.883 | 0.0 | 44.332 | 2.437 | 0.0 | 41.443 | 1.611 | 0.0 | 43.912 | 2.032 | 0.0 | 53.167 | 1.921 | 0.0 | 43.173 | 2.466 | 0.0 | 42.739 | 1.739 | 0.0 | 44.013 | 2.234 |
| 167 | 10976 | 10977 | SN | 1 | 0.0 | 43.676 | 4.856 | 0.0 | 50.451 | 5.797 | 0.0 | 42.775 | 4.058 | 0.0 | 39.616 | 5.673 | 0.0 | 44.002 | 4.856 | 0.0 | 49.53  | 5.555 | 0.0 | 44.594 | 3.938 | 0.0 | 39.309 | 5.139 |
| 168 | 10976 | 10977 | SN | 1 | 0.0 | 41.687 | 1.182 | 0.0 | 42.363 | 1.574 | 0.0 | 41.808 | 1.293 | 0.0 | 43.31  | 2.011 | 0.0 | 39.617 | 1.177 | 0.0 | 43.634 | 1.449 | 0.0 | 39.431 | 1.256 | 0.0 | 42.265 | 1.801 |
| 169 | 10976 | 10977 | NS | 1 | 0.0 | 47.487 | 7.266 | 0.0 | 53.11  | 8.425 | 0.0 | 48.0   | 5.607 | 0.0 | 50.683 | 6.498 | 0.0 | 48.459 | 7.548 | 0.0 | 52.922 | 9.16  | 0.0 | 48.731 | 6.091 | 0.0 | 48.307 | 6.94  |
| 170 | 10977 | 10978 | SN | 1 | 0.0 | 40.449 | 3.648 | 0.0 | 45.818 | 4.942 | 0.0 | 41.514 | 3.837 | 0.0 | 41.11  | 5.839 | 0.0 | 40.316 | 3.617 | 0.0 | 45.243 | 4.639 | 0.0 | 39.845 | 3.603 | 0.0 | 38.096 | 4.976 |
| 171 | 10977 | 10978 | SN | 1 | 0.0 | 50.087 | 3.474 | 0.0 | 47.219 | 4.73  | 0.0 | 37.572 | 3.629 | 0.0 | 39.283 | 5.642 | 0.0 | 50.705 | 3.422 | 0.0 | 48.606 | 4.398 | 0.0 | 37.049 | 3.636 | 0.0 | 36.937 | 4.747 |
| 172 | 10977 | 10978 | NS | 1 | 0.0 | 56.243 | 3.609 | 0.0 | 57.219 | 3.953 | 0.0 | 41.675 | 3.613 | 0.0 | 47.337 | 3.912 | 0.0 | 56.654 | 3.69  | 0.0 | 58.994 | 3.822 | 0.0 | 40.816 | 3.592 | 0.0 | 46.032 | 3.635 |
| 173 | 10977 | 10978 | SN | 1 | 0.0 | 41.576 | 3.788 | 0.0 | 40.468 | 5.003 | 0.0 | 37.572 | 3.653 | 0.0 | 40.841 | 5.696 | 0.0 | 42.042 | 3.738 | 0.0 | 40.599 | 4.629 | 0.0 | 37.455 | 3.568 | 0.0 | 40.18  | 4.834 |
| 174 | 10977 | 10978 | SN | 1 | 0.0 | 41.081 | 1.035 | 0.0 | 45.886 | 1.611 | 0.0 | 41.466 | 1.275 | 0.0 | 40.499 | 1.998 | 0.0 | 40.775 | 1.033 | 0.0 | 44.671 | 1.523 | 0.0 | 39.905 | 1.227 | 0.0 | 38.411 | 1.627 |
| 175 | 10977 | 10978 | SN | 1 | 0.0 | 43.84  | 1.035 | 0.0 | 43.591 | 1.568 | 0.0 | 37.841 | 1.276 | 0.0 | 39.439 | 2.036 | 0.0 | 46.026 | 1.026 | 0.0 | 42.379 | 1.489 | 0.0 | 38.539 | 1.236 | 0.0 | 38.411 | 1.636 |

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

|     |       |       |    |   |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |        |     |        |       |     |        |       |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|-------|
| 176 | 10977 | 10978 | NS | 1 | 0.0 | 49.623 | 1.082 | 0.0 | 55.463 | 1.478 | 0.0 | 37.089 | 0.903 | 0.0 | 44.119 | 1.194 | 0.0 | 50.174 | 1.075 | 0.0 | 54.467 | 1.441  | 0.0 | 37.947 | 0.932 | 0.0 | 42.372 | 1.078 |
| 177 | 10977 | 10978 | NS | 1 | 0.0 | 49.465 | 1.08  | 0.0 | 55.455 | 1.482 | 0.0 | 37.105 | 0.898 | 0.0 | 44.195 | 1.181 | 0.0 | 50.016 | 1.075 | 0.0 | 54.467 | 1.455  | 0.0 | 37.947 | 0.919 | 0.0 | 42.382 | 1.064 |
| 178 | 10977 | 10978 | NS | 1 | 0.0 | 56.227 | 3.619 | 0.0 | 57.219 | 3.943 | 0.0 | 42.133 | 3.584 | 0.0 | 47.23  | 3.927 | 0.0 | 56.64  | 3.7   | 0.0 | 58.992 | 3.822  | 0.0 | 43.325 | 3.577 | 0.0 | 46.11  | 3.621 |
| 179 | 10977 | 10978 | SN | 1 | 0.0 | 39.104 | 1.042 | 0.0 | 41.19  | 1.563 | 0.0 | 38.553 | 1.256 | 0.0 | 41.388 | 2.016 | 0.0 | 38.353 | 1.037 | 0.0 | 43.442 | 1.468  | 0.0 | 38.523 | 1.19  | 0.0 | 39.389 | 1.606 |
| 180 | 10978 | 10979 | SN | 1 | 0.0 | 47.835 | 7.838 | 0.0 | 47.219 | 9.875 | 0.0 | 42.31  | 6.435 | 0.0 | 41.497 | 8.234 | 0.0 | 49.498 | 8.029 | 0.0 | 46.495 | 10.046 | 0.0 | 44.053 | 6.718 | 0.0 | 39.77  | 8.12  |
| 181 | 10978 | 10979 | SN | 1 | 0.0 | 44.492 | 2.028 | 0.0 | 42.748 | 3.06  | 0.0 | 41.378 | 2.026 | 0.0 | 45.592 | 2.706 | 0.0 | 45.294 | 2.086 | 0.0 | 44.066 | 3.001  | 0.0 | 41.691 | 2.05  | 0.0 | 44.312 | 2.621 |
| 182 | 10978 | 10979 | NS | 1 | 0.0 | 45.537 | 1.441 | 0.0 | 48.718 | 1.512 | 0.0 | 41.911 | 1.381 | 0.0 | 46.611 | 1.607 | 0.0 | 44.042 | 1.419 | 0.0 | 49.563 | 1.39   | 0.0 | 42.623 | 1.314 | 0.0 | 46.461 | 1.408 |
| 183 | 10978 | 10979 | NS | 1 | 0.0 | 48.93  | 5.072 | 0.0 | 49.444 | 5.482 | 0.0 | 49.642 | 4.732 | 0.0 | 41.189 | 4.58  | 0.0 | 48.94  | 5.112 | 0.0 | 49.563 | 4.898  | 0.0 | 49.485 | 4.632 | 0.0 | 42.935 | 4.168 |
| 184 | 10978 | 10979 | SN | 1 | 0.0 | 47.835 | 7.574 | 0.0 | 44.701 | 9.511 | 0.0 | 45.94  | 6.3   | 0.0 | 42.439 | 8.126 | 0.0 | 49.498 | 7.805 | 0.0 | 43.985 | 9.796  | 0.0 | 43.785 | 6.67  | 0.0 | 44.341 | 8.185 |
| 185 | 10978 | 10979 | SN | 1 | 0.0 | 42.818 | 2.005 | 0.0 | 50.98  | 3.058 | 0.0 | 43.87  | 2.08  | 0.0 | 42.561 | 2.767 | 0.0 | 42.555 | 2.077 | 0.0 | 51.467 | 3.013  | 0.0 | 43.655 | 2.047 | 0.0 | 42.479 | 2.726 |
| 186 | 10978 | 10979 | NS | 1 | 0.0 | 51.603 | 5.12  | 0.0 | 45.067 | 5.463 | 0.0 | 47.869 | 4.83  | 0.0 | 45.097 | 5.214 | 0.0 | 53.553 | 5.039 | 0.0 | 48.462 | 4.94   | 0.0 | 50.158 | 4.724 | 0.0 | 42.78  | 4.438 |
| 187 | 10978 | 10979 | SN | 1 | 0.0 | 44.492 | 2.03  | 0.0 | 41.721 | 3.007 | 0.0 | 47.097 | 2.007 | 0.0 | 45.592 | 2.701 | 0.0 | 45.294 | 2.07  | 0.0 | 44.066 | 2.965  | 0.0 | 44.217 | 2.052 | 0.0 | 44.312 | 2.622 |
| 188 | 10978 | 10979 | NS | 1 | 0.0 | 42.737 | 1.36  | 0.0 | 46.821 | 1.493 | 0.0 | 41.419 | 1.492 | 0.0 | 46.09  | 1.791 | 0.0 | 43.529 | 1.372 | 0.0 | 44.196 | 1.412  | 0.0 | 41.66  | 1.426 | 0.0 | 44.611 | 1.497 |
| 189 | 10978 | 10979 | SN | 1 | 0.0 | 50.01  | 7.768 | 0.0 | 49.731 | 9.945 | 0.0 | 48.034 | 6.484 | 0.0 | 47.629 | 8.256 | 0.0 | 50.287 | 7.899 | 0.0 | 50.13  | 9.966  | 0.0 | 46.003 | 6.676 | 0.0 | 46.406 | 8.241 |
| 190 | 10979 | 10980 | NS | 1 | 0.0 | 46.006 | 1.209 | 0.0 | 49.739 | 1.656 | 0.0 | 42.895 | 1.303 | 0.0 | 48.35  | 1.728 | 0.0 | 46.741 | 1.186 | 0.0 | 51.522 | 1.532  | 0.0 | 45.409 | 1.27  | 0.0 | 42.272 | 1.577 |
| 191 | 10979 | 10980 | SN | 1 | 0.0 | 47.937 | 4.401 | 0.0 | 51.684 | 6.364 | 0.0 | 43.946 | 4.268 | 0.0 | 42.298 | 6.282 | 0.0 | 47.925 | 4.431 | 0.0 | 49.213 | 5.949  | 0.0 | 43.537 | 3.984 | 0.0 | 42.379 | 5.663 |
| 192 | 10979 | 10980 | SN | 1 | 0.0 | 47.937 | 4.401 | 0.0 | 51.684 | 6.364 | 0.0 | 43.946 | 4.268 | 0.0 | 42.298 | 6.282 | 0.0 | 47.925 | 4.431 | 0.0 | 49.213 | 5.949  | 0.0 | 43.537 | 3.984 | 0.0 | 42.379 | 5.663 |
| 193 | 10979 | 10980 | SN | 1 | 0.0 | 46.179 | 1.351 | 0.0 | 45.499 | 1.974 | 0.0 | 44.334 | 1.268 | 0.0 | 48.217 | 1.926 | 0.0 | 46.139 | 1.348 | 0.0 | 47.631 | 1.841  | 0.0 | 46.021 | 1.146 | 0.0 | 47.064 | 1.614 |
| 194 | 10979 | 10980 | SN | 1 | 0.0 | 49.148 | 1.37  | 0.0 | 45.983 | 2.059 | 0.0 | 44.334 | 1.287 | 0.0 | 45.292 | 1.898 | 0.0 | 49.708 | 1.365 | 0.0 | 47.631 | 1.903  | 0.0 | 46.021 | 1.164 | 0.0 | 47.064 | 1.641 |
| 195 | 10979 | 10980 | NS | 1 | 0.0 | 47.433 | 1.213 | 0.0 | 49.075 | 1.625 | 0.0 | 42.915 | 1.305 | 0.0 | 45.103 | 1.735 | 0.0 | 46.631 | 1.186 | 0.0 | 50.859 | 1.501  | 0.0 | 42.549 | 1.28  | 0.0 | 43.269 | 1.582 |
| 196 | 10979 | 10980 | NS | 1 | 0.0 | 51.243 | 4.929 | 0.0 | 50.086 | 5.564 | 0.0 | 40.177 | 4.398 | 0.0 | 47.782 | 5.35  | 0.0 | 51.609 | 4.929 | 0.0 | 50.417 | 5.293  | 0.0 | 40.769 | 4.448 | 0.0 | 44.089 | 5.037 |
| 197 | 10979 | 10980 | NS | 1 | 0.0 | 52.863 | 4.879 | 0.0 | 55.172 | 5.605 | 0.0 | 40.186 | 4.355 | 0.0 | 40.321 | 5.371 | 0.0 | 53.227 | 4.929 | 0.0 | 53.148 | 5.293  | 0.0 | 40.787 | 4.398 | 0.0 | 40.105 | 5.051 |
| 198 | 10979 | 10980 | SN | 1 | 0.0 | 47.937 | 4.103 | 0.0 | 45.794 | 5.753 | 0.0 | 43.946 | 4.147 | 0.0 | 48.683 | 6.163 | 0.0 | 47.925 | 4.146 | 0.0 | 43.968 | 5.312  | 0.0 | 43.537 | 3.867 | 0.0 | 47.749 | 5.45  |
| 199 | 10979 | 10980 | SN | 1 | 0.0 | 49.148 | 1.37  | 0.0 | 45.983 | 2.059 | 0.0 | 44.334 | 1.287 | 0.0 | 45.292 | 1.898 | 0.0 | 49.708 | 1.365 | 0.0 | 47.631 | 1.903  | 0.0 | 46.021 | 1.164 | 0.0 | 47.064 | 1.641 |
| 200 | 10980 | 10981 | NS | 1 | 0.0 | 42.108 | 0.887 | 0.0 | 54.728 | 1.435 | 0.0 | 41.112 | 1.065 | 0.0 | 40.53  | 1.565 | 0.0 | 42.537 | 0.899 | 0.0 | 55.313 | 1.313  | 0.0 | 39.753 | 1.024 | 0.0 | 35.847 | 1.368 |
| 201 | 10980 | 10981 | SN | 1 | 0.0 | 49.27  | 2.179 | 0.0 | 44.134 | 2.957 | 0.0 | 45.395 | 1.665 | 0.0 | 43.369 | 2.049 | 0.0 | 48.655 | 2.193 | 0.0 | 44.948 | 2.823  | 0.0 | 44.346 | 1.597 | 0.0 | 42.094 | 1.922 |
| 202 | 10980 | 10981 | SN | 1 | 0.0 | 54.901 | 7.883 | 0.0 | 56.425 | 8.739 | 0.0 | 48.098 | 6.098 | 0.0 | 44.489 | 7.32  | 0.0 | 54.387 | 8.047 | 0.0 | 54.195 | 8.761  | 0.0 | 48.448 | 5.842 | 0.0 | 46.611 | 6.766 |
| 203 | 10980 | 10981 | SN | 1 | 0.0 | 49.27  | 2.219 | 0.0 | 44.134 | 2.946 | 0.0 | 44.602 | 1.684 | 0.0 | 43.369 | 2.007 | 0.0 | 48.655 | 2.248 | 0.0 | 44.948 | 2.845  | 0.0 | 44.346 | 1.61  | 0.0 | 42.094 | 1.858 |
| 204 | 10980 | 10981 | SN | 1 | 0.0 | 54.901 | 7.692 | 0.0 | 56.425 | 8.888 | 0.0 | 48.098 | 6.033 | 0.0 | 44.489 | 7.415 | 0.0 | 54.387 | 7.903 | 0.0 | 54.195 | 8.878  | 0.0 | 48.448 | 5.75  | 0.0 | 46.611 | 6.952 |
| 205 | 10980 | 10981 | NS | 1 | 0.0 | 41.706 | 2.913 | 0.0 | 53.593 | 4.387 | 0.0 | 43.817 | 3.278 | 0.0 | 43.483 | 4.702 | 0.0 | 41.437 | 2.923 | 0.0 | 55.106 | 4.126  | 0.0 | 45.909 | 3.214 | 0.0 | 43.222 | 4.29  |
| 206 | 10981 | 10982 | SN | 1 | 0.0 | 58.09  | 5.349 | 0.0 | 57.264 | 6.646 | 0.0 | 45.794 | 5.325 | 0.0 | 47.471 | 6.215 | 0.0 | 59.11  | 5.5   | 0.0 | 60.8   | 6.414  | 0.0 | 44.589 | 5.205 | 0.0 | 46.642 | 5.716 |
| 207 | 10981 | 10982 | NS | 1 | 0.0 | 50.561 | 5.895 | 0.0 | 47.388 | 6.865 | 0.0 | 41.696 | 5.322 | 0.0 | 43.632 | 7.204 | 0.0 | 49.93  | 5.855 | 0.0 | 46.251 | 6.291  | 0.0 | 40.298 | 5.294 | 0.0 | 44.44  | 6.634 |
| 208 | 10981 | 10982 | NS | 1 | 0.0 | 51.22  | 1.704 | 0.0 | 45.128 | 2.161 | 0.0 | 42.051 | 1.477 | 0.0 | 47.248 | 2.165 | 0.0 | 51.771 | 1.668 | 0.0 | 46.912 | 1.958  | 0.0 | 42.387 | 1.433 | 0.0 | 42.704 | 1.828 |
| 209 | 10981 | 10982 | SN | 1 | 0.0 | 52.514 | 1.486 | 0.0 | 49.736 | 2.099 | 0.0 | 44.312 | 1.414 | 0.0 | 43.31  | 2.182 | 0.0 | 54.048 | 1.497 | 0.0 | 53.35  | 1.929  | 0.0 | 45.16  | 1.402 | 0.0 | 41.989 | 1.943 |
| 210 | 10982 | 10983 | NS | 1 | 0.0 | 52.199 | 5.25  | 0.0 | 54.083 | 7.032 | 0.0 | 46.46  | 4.466 | 0.0 | 47.061 | 6.253 | 0.0 | 52.488 | 5.533 | 0.0 | 55.489 | 6.881  | 0.0 | 44.828 | 4.516 | 0.0 | 44.734 | 5.912 |
| 211 | 10982 | 10983 | NS | 1 | 0.0 | 44.066 | 1.35  | 0.0 | 45.244 | 1.934 | 0.0 | 38.653 | 1.281 | 0.0 | 42.642 | 2.004 | 0.0 | 45.442 | 1.348 | 0.0 | 46.317 | 1.78   | 0.0 | 36.169 | 1.267 | 0.0 | 41.613 | 1.807 |

|                          |            |      |        |        |            |
|--------------------------|------------|------|--------|--------|------------|
| 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     | 10958       | 10959     | SN   | 1    | 0.0           | 23.317  | 6.466      | 0.0        | 25.43   | 9.459      | 0.0       | 135.697 | 3.751      | 0.0        | 15.519  | 6.429      | 0.0             | 1.409 | 0.0        | 1.792      | 0.0 | 0.0        | 1.869     | 0.0 | 0.0        | 2.149      | 0.0 |            |
| 2     | 10958       | 10959     | SN   | 1    | 0.0           | 30.741  | 11.253     | 0.0        | 24.387  | 13.143     | 0.0       | 139.463 | 10.009     | 0.0        | 15.784  | 15.152     | 0.0             | 1.42  | 0.0        | 1.797      | 0.0 | 0.0        | 1.857     | 0.0 | 0.0        | 2.149      | 0.0 |            |
| 3     | 10958       | 10959     | SN   | 1    | 0.0           | 23.317  | 6.553      | 0.0        | 25.435  | 8.147      | 0.0       | 138.608 | 3.613      | 0.0        | 49.889  | 4.725      | 0.0             | 1.412 | 0.0        | 1.792      | 0.0 | 0.0        | 1.869     | 0.0 | 0.0        | 2.149      | 0.0 |            |
| 4     | 10958       | 10959     | SN   | 1    | 0.0           | 32.064  | 12.283     | 0.0        | 24.63   | 12.621     | 0.0       | 139.463 | 11.235     | 0.0        | 69.561  | 13.171     | 0.0             | 1.42  | 0.0        | 1.797      | 0.0 | 0.0        | 1.857     | 0.0 | 0.0        | 2.149      | 0.0 |            |
| 5     | 10958       | 10959     | SN   | 1    | 0.0           | 23.317  | 6.539      | 0.0        | 24.283  | 10.724     | 0.0       | 135.697 | 3.612      | 0.0        | 49.889  | 7.559      | 0.0             | 1.409 | 0.0        | 1.792      | 0.0 | 0.0        | 1.869     | 0.0 | 0.0        | 2.149      | 0.0 |            |
| 6     | 10958       | 10959     | SN   | 1    | 0.0           | 30.741  | 11.338     | 0.0        | 24.63   | 15.369     | 0.0       | 139.463 | 9.895      | 0.0        | 69.561  | 17.805     | 0.0             | 1.42  | 0.0        | 1.797      | 0.0 | 0.0        | 1.857     | 0.0 | 0.0        | 2.149      | 0.0 |            |
| 7     | 10959       | 10960     | NS   | 1    | 0.0           | 40.731  | 9.585      | 0.0        | 33.035  | 13.904     | 0.0       | 355.042 | 9.506      | 0.0        | 34.794  | 11.408     | 0.0             | 1.419 | 0.0        | 1.803      | 0.0 | 0.0        | 1.869     | 0.0 | 0.0        | 2.156      | 0.0 |            |
| 8     | 10959       | 10960     | NS   | 1    | 0.0           | 93.421  | 5.368      | 0.0        | 25.772  | 6.626      | 0.0       | 242.255 | 2.296      | 0.0        | 31.364  | 3.008      | 0.0             | 1.442 | 0.0        | 1.798      | 0.0 | 0.0        | 1.869     | 0.0 | 0.0        | 2.157      | 0.0 |            |
| 9     | 10959       | 10960     | SN   | 1    | 0.0           | 18.817  | 4.808      | 0.0        | 24.663  | 2.801      | 0.0       | 29.941  | 2.983      | 0.0        | 53.198  | 0.264      | 0.0             | 1.337 | 0.0        | 1.663      | 0.0 | 0.0        | 1.817     | 0.0 | 0.0        | 2.011      | 0.0 |            |
| 10    | 10959       | 10960     | SN   | 1    | 0.0           | 32.423  | 12.3       | 0.0        | 25.843  | 12.698     | 0.0       | 146.054 | 11.302     | 0.0        | 235.502 | 13.167     | 0.0             | 1.52  | 0.0        | 1.983      | 0.0 | 0.0        | 2.117     | 0.0 | 0.0        | 2.457      | 0.0 |            |
| 11    | 10959       | 10960     | NS   | 1    | 0.0           | 40.731  | 9.6        | 0.0        | 33.035  | 13.945     | 0.0       | 355.042 | 9.49       | 0.0        | 34.794  | 11.5       | 0.0             | 1.419 | 0.0        | 1.803      | 0.0 | 0.0        | 1.869     | 0.0 | 0.0        | 2.156      | 0.0 |            |
| 12    | 10959       | 10960     | SN   | 1    | 0.0           | 23.306  | 6.497      | 0.0        | 25.468  | 8.181      | 0.0       | 162.389 | 3.646      | 0.0        | 235.51  | 4.767      | 0.0             | 1.616 | 0.0        | 1.939      | 0.0 | 0.0        | 2.151     | 0.0 | 0.0        | 2.451      | 0.0 |            |
| 13    | 10959       | 10960     | NS   | 1    | 0.0           | 93.421  | 5.338      | 0.0        | 25.772  | 6.652      | 0.0       | 242.255 | 2.288      | 0.0        | 31.364  | 3.003      | 0.0             | 1.442 | 0.0        | 1.798      | 0.0 | 0.0        | 1.869     | 0.0 | 0.0        | 2.157      | 0.0 |            |
| 14    | 10959       | 10960     | SN   | 1    | 0.0           | 28.281  | 15.614     | 0.0        | 24.487  | 8.148      | 0.0       | 66.279  | 5.66       | 0.0        | 61.9    | 0.801      | 0.0             | 1.302 | 0.0        | 1.665      | 0.0 | 0.0        | 1.817     | 0.0 | 0.0        | 2.009      | 0.0 |            |
| 15    | 10960       | 10961     | SN   | 1    | 0.0           | 23.339  | 6.568      | 0.0        | 25.457  | 8.208      | 0.0       | 152.22  | 3.696      | 0.0        | 118.013 | 4.832      | 0.0             | 1.638 | 0.0        | 1.952      | 0.0 | 0.0        | 2.174     | 0.0 | 0.0        | 2.475      | 0.0 |            |
| 16    | 10960       | 10961     | NS   | 1    | 0.0           | 42.132  | 9.638      | 0.0        | 32.665  | 13.984     | 0.0       | 138.545 | 9.447      | 0.0        | 35.191  | 11.456     | 0.0             | 1.409 | 0.0        | 1.802      | 0.0 | 0.0        | 1.869     | 0.0 | 0.0        | 2.156      | 0.0 |            |
| 17    | 10960       | 10961     | NS   | 1    | 0.0           | 161.217 | 9.724      | 0.0        | 32.665  | 13.885     | 0.0       | 138.545 | 9.521      | 0.0        | 35.842  | 11.445     | 0.0             | 1.418 | 0.0        | 1.8        | 0.0 | 0.0        | 1.859     | 0.0 | 0.0        | 2.158      | 0.0 |            |
| 18    | 10960       | 10961     | SN   | 1    | 0.0           | 32.345  | 12.35      | 0.0        | 24.575  | 12.539     | 0.0       | 152.87  | 11.374     | 0.0        | 33.782  | 13.033     | 0.0             | 1.533 | 0.0        | 1.997      | 0.0 | 0.0        | 2.131     | 0.0 | 0.0        | 2.473      | 0.0 |            |
| 19    | 10960       | 10961     | SN   | 1    | 0.0           | 32.345  | 12.36      | 0.0        | 236.618 | 12.561     | 0.0       | 152.914 | 11.374     | 0.0        | 33.788  | 13.048     | 0.0             | 1.533 | 0.0        | 1.997      | 0.0 | 0.0        | 2.131     | 0.0 | 0.0        | 2.478      | 0.0 |            |
| 20    | 10960       | 10961     | SN   | 1    | 0.0           | 32.345  | 12.361     | 0.0        | 236.618 | 12.668     | 0.0       | 152.914 | 11.316     | 0.0        | 62.22   | 13.218     | 0.0             | 1.533 | 0.0        | 1.997      | 0.0 | 0.0        | 2.131     | 0.0 | 0.0        | 2.478      | 0.0 |            |
| 21    | 10960       | 10961     | NS   | 1    | 0.0           | 47.013  | 5.32       | 0.0        | 25.761  | 6.636      | 0.0       | 135.391 | 2.263      | 0.0        | 39.052  | 2.995      | 0.0             | 1.442 | 0.0        | 1.797      | 0.0 | 0.0        | 1.869     | 0.0 | 0.0        | 2.156      | 0.0 |            |
| 22    | 10960       | 10961     | NS   | 1    | 0.0           | 160.236 | 5.332      | 0.0        | 25.772  | 6.603      | 0.0       | 354.684 | 2.259      | 0.0        | 49.519  | 2.997      | 0.0             | 1.439 | 0.0        | 1.798      | 0.0 | 0.0        | 1.869     | 0.0 | 0.0        | 2.157      | 0.0 |            |
| 23    | 10960       | 10961     | SN   | 1    | 0.0           | 23.345  | 6.557      | 0.0        | 25.457  | 8.183      | 0.0       | 152.126 | 3.709      | 0.0        | 118.002 | 4.746      | 0.0             | 1.638 | 0.0        | 1.952      | 0.0 | 0.0        | 2.174     | 0.0 | 0.0        | 2.474      | 0.0 |            |
| 24    | 10960       | 10961     | SN   | 1    | 0.0           | 23.339  | 6.557      | 0.0        | 25.457  | 8.188      | 0.0       | 152.22  | 3.705      | 0.0        | 118.013 | 4.75       | 0.0             | 1.638 | 0.0        | 1.952      | 0.0 | 0.0        | 2.174     | 0.0 | 0.0        | 2.475      | 0.0 |            |
| 25    | 10961       | 10962     | SN   | 1    | 0.0           | 32.23   | 12.284     | 0.0        | 55.401  | 12.62      | 0.0       | 164.628 | 11.431     | 0.0        | 60.356  | 13.337     | 0.0             | 1.542 | 0.0        | 2.025      | 0.0 | 0.0        | 2.151     | 0.0 | 0.0        | 2.486      | 0.0 |            |
| 26    | 10961       | 10962     | SN   | 1    | 0.0           | 23.339  | 6.573      | 0.0        | 67.898  | 8.252      | 0.0       | 164.077 | 3.843      | 0.0        | 65.298  | 4.897      | 0.0             | 1.646 | 0.0        | 1.953      | 0.0 | 0.0        | 2.196     | 0.0 | 0.0        | 2.493      | 0.0 |            |
| 27    | 10961       | 10962     | SN   | 1    | 0.0           | 32.23   | 12.284     | 0.0        | 55.401  | 12.62      | 0.0       | 164.628 | 11.431     | 0.0        | 60.356  | 13.337     | 0.0             | 1.542 | 0.0        | 2.025      | 0.0 | 0.0        | 2.151     | 0.0 | 0.0        | 2.486      | 0.0 |            |
| 28    | 10961       | 10962     | NS   | 1    | 0.0           | 156.35  | 5.322      | 0.0        | 25.75   | 6.577      | 0.0       | 355.125 | 2.242      | 0.0        | 37.392  | 2.976      | 0.0             | 1.43  | 0.0        | 1.797      | 0.0 | 0.0        | 1.869     | 0.0 | 0.0        | 2.157      | 0.0 |            |
| 29    | 10961       | 10962     | NS   | 1    | 0.0           | 141.584 | 9.736      | 0.0        | 32.693  | 13.873     | 0.0       | 266.824 | 9.473      | 0.0        | 35.996  | 11.324     | 0.0             | 1.413 | 0.0        | 1.8        | 0.0 | 0.0        | 1.857     | 0.0 | 0.0        | 2.155      | 0.0 |            |
| 30    | 10961       | 10962     | SN   | 1    | 0.0           | 23.339  | 6.563      | 0.0        | 67.898  | 8.204      | 0.0       | 164.077 | 3.844      | 0.0        | 22.016  | 4.789      | 0.0             | 1.646 | 0.0        | 1.953      | 0.0 | 0.0        | 2.196     | 0.0 | 0.0        | 2.493      | 0.0 |            |
| 31    | 10961       | 10962     | SN   | 1    | 0.0           | 23.339  | 6.573      | 0.0        | 67.898  | 8.252      | 0.0       | 164.077 | 3.843      | 0.0        | 65.298  | 4.897      | 0.0             | 1.646 | 0.0        | 1.953      | 0.0 | 0.0        | 2.196     | 0.0 | 0.0        | 2.493      | 0.0 |            |

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



|    |       |       |    |   |     |         |        |     |         |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 32 | 10961 | 10962 | SN | 1 | 0.0 | 32.23   | 12.285 | 0.0 | 55.401  | 12.423 | 0.0 | 164.628 | 11.506 | 0.0 | 23.874  | 13.034 | 0.0 | 1.542 | 0.0 | 0.0 | 2.025 | 0.0 | 0.0 | 2.151 | 0.0 | 0.0 | 2.486 | 0.0 |
| 33 | 10961 | 10962 | NS | 1 | 0.0 | 141.584 | 9.736  | 0.0 | 32.693  | 13.873 | 0.0 | 266.824 | 9.473  | 0.0 | 35.996  | 11.324 | 0.0 | 1.413 | 0.0 | 0.0 | 1.8   | 0.0 | 0.0 | 1.857 | 0.0 | 0.0 | 2.155 | 0.0 |
| 34 | 10962 | 10963 | NS | 1 | 0.0 | 198.934 | 9.766  | 0.0 | 32.682  | 13.883 | 0.0 | 132.903 | 9.416  | 0.0 | 36.708  | 11.388 | 0.0 | 1.411 | 0.0 | 0.0 | 1.801 | 0.0 | 0.0 | 1.858 | 0.0 | 0.0 | 2.155 | 0.0 |
| 35 | 10962 | 10963 | NS | 1 | 0.0 | 254.84  | 5.311  | 0.0 | 25.75   | 6.572  | 0.0 | 355.351 | 2.249  | 0.0 | 48.681  | 2.972  | 0.0 | 1.438 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.87  | 0.0 | 0.0 | 2.156 | 0.0 |
| 36 | 10962 | 10963 | SN | 1 | 0.0 | 23.334  | 6.609  | 0.0 | 25.43   | 8.274  | 0.0 | 180.291 | 3.801  | 0.0 | 127.736 | 4.902  | 0.0 | 1.695 | 0.0 | 0.0 | 1.973 | 0.0 | 0.0 | 2.202 | 0.0 | 0.0 | 2.493 | 0.0 |
| 37 | 10962 | 10963 | SN | 1 | 0.0 | 32.268  | 12.332 | 0.0 | 25.882  | 12.602 | 0.0 | 161.369 | 11.442 | 0.0 | 80.947  | 13.316 | 0.0 | 1.549 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.163 | 0.0 | 0.0 | 2.501 | 0.0 |
| 38 | 10962 | 10963 | SN | 1 | 0.0 | 32.268  | 12.347 | 0.0 | 24.575  | 12.295 | 0.0 | 161.369 | 11.562 | 0.0 | 80.947  | 12.926 | 0.0 | 1.549 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.163 | 0.0 | 0.0 | 2.501 | 0.0 |
| 39 | 10962 | 10963 | SN | 1 | 0.0 | 23.334  | 6.594  | 0.0 | 25.43   | 8.186  | 0.0 | 180.291 | 3.802  | 0.0 | 127.736 | 4.726  | 0.0 | 1.695 | 0.0 | 0.0 | 1.973 | 0.0 | 0.0 | 2.202 | 0.0 | 0.0 | 2.493 | 0.0 |
| 40 | 10962 | 10963 | SN | 1 | 0.0 | 32.268  | 12.342 | 0.0 | 28.659  | 12.612 | 0.0 | 161.33  | 11.442 | 0.0 | 80.952  | 13.323 | 0.0 | 1.549 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.163 | 0.0 | 0.0 | 2.501 | 0.0 |
| 41 | 10962 | 10963 | SN | 1 | 0.0 | 23.334  | 6.607  | 0.0 | 127.656 | 8.274  | 0.0 | 180.208 | 3.799  | 0.0 | 127.736 | 4.895  | 0.0 | 1.695 | 0.0 | 0.0 | 1.973 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.493 | 0.0 |
| 42 | 10962 | 10963 | NS | 1 | 0.0 | 254.583 | 5.311  | 0.0 | 25.75   | 6.568  | 0.0 | 355.351 | 2.241  | 0.0 | 38.241  | 2.971  | 0.0 | 1.431 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.156 | 0.0 |
| 43 | 10962 | 10963 | NS | 1 | 0.0 | 198.934 | 9.705  | 0.0 | 32.682  | 13.9   | 0.0 | 356.829 | 9.362  | 0.0 | 32.059  | 11.381 | 0.0 | 1.413 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.867 | 0.0 | 0.0 | 2.155 | 0.0 |
| 44 | 10963 | 10964 | SN | 1 | 0.0 | 23.35   | 6.598  | 0.0 | 68.124  | 8.238  | 0.0 | 167.617 | 3.904  | 0.0 | 53.374  | 4.926  | 0.0 | 1.686 | 0.0 | 0.0 | 1.991 | 0.0 | 0.0 | 2.234 | 0.0 | 0.0 | 2.512 | 0.0 |
| 45 | 10963 | 10964 | SN | 1 | 0.0 | 31.799  | 12.352 | 0.0 | 30.881  | 12.219 | 0.0 | 177.131 | 11.577 | 0.0 | 22.358  | 12.623 | 0.0 | 1.557 | 0.0 | 0.0 | 2.033 | 0.0 | 0.0 | 2.176 | 0.0 | 0.0 | 2.521 | 0.0 |
| 46 | 10963 | 10964 | NS | 1 | 0.0 | 24.062  | 9.655  | 0.0 | 32.682  | 13.87  | 0.0 | 356.856 | 9.397  | 0.0 | 32.704  | 11.352 | 0.0 | 1.412 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.155 | 0.0 |
| 47 | 10963 | 10964 | SN | 1 | 0.0 | 23.35   | 6.572  | 0.0 | 68.124  | 8.111  | 0.0 | 167.617 | 3.858  | 0.0 | 22.027  | 4.748  | 0.0 | 1.686 | 0.0 | 0.0 | 1.991 | 0.0 | 0.0 | 2.234 | 0.0 | 0.0 | 2.512 | 0.0 |
| 48 | 10963 | 10964 | NS | 1 | 0.0 | 25.628  | 5.293  | 0.0 | 25.739  | 6.583  | 0.0 | 320.524 | 2.259  | 0.0 | 21.2    | 2.956  | 0.0 | 1.439 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.156 | 0.0 |
| 49 | 10963 | 10964 | NS | 1 | 0.0 | 24.067  | 9.645  | 0.0 | 32.682  | 13.88  | 0.0 | 356.856 | 9.412  | 0.0 | 32.693  | 11.352 | 0.0 | 1.412 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.155 | 0.0 |
| 50 | 10963 | 10964 | SN | 1 | 0.0 | 31.799  | 12.338 | 0.0 | 30.881  | 12.606 | 0.0 | 177.131 | 11.508 | 0.0 | 58.067  | 13.271 | 0.0 | 1.557 | 0.0 | 0.0 | 2.045 | 0.0 | 0.0 | 2.176 | 0.0 | 0.0 | 2.521 | 0.0 |
| 51 | 10963 | 10964 | SN | 1 | 0.0 | 31.799  | 12.338 | 0.0 | 30.881  | 12.606 | 0.0 | 177.131 | 11.508 | 0.0 | 58.067  | 13.271 | 0.0 | 1.557 | 0.0 | 0.0 | 2.045 | 0.0 | 0.0 | 2.176 | 0.0 | 0.0 | 2.521 | 0.0 |
| 52 | 10963 | 10964 | NS | 1 | 0.0 | 25.628  | 5.295  | 0.0 | 25.744  | 6.583  | 0.0 | 320.491 | 2.265  | 0.0 | 21.194  | 2.958  | 0.0 | 1.439 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.155 | 0.0 |
| 53 | 10963 | 10964 | SN | 1 | 0.0 | 23.35   | 6.598  | 0.0 | 68.124  | 8.238  | 0.0 | 167.617 | 3.904  | 0.0 | 53.374  | 4.926  | 0.0 | 1.686 | 0.0 | 0.0 | 1.991 | 0.0 | 0.0 | 2.234 | 0.0 | 0.0 | 2.512 | 0.0 |
| 54 | 10964 | 10965 | NS | 1 | 0.0 | 154.442 | 5.32   | 0.0 | 25.744  | 6.62   | 0.0 | 325.349 | 2.25   | 0.0 | 73.465  | 2.981  | 0.0 | 1.435 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.154 | 0.0 |
| 55 | 10964 | 10965 | SN | 1 | 0.0 | 23.339  | 6.637  | 0.0 | 191.373 | 8.247  | 0.0 | 156.168 | 3.78   | 0.0 | 81.691  | 4.885  | 0.0 | 1.644 | 0.0 | 0.0 | 2.018 | 0.0 | 0.0 | 2.138 | 0.0 | 0.0 | 2.453 | 0.0 |
| 56 | 10964 | 10965 | SN | 1 | 0.0 | 31.948  | 12.325 | 0.0 | 76.678  | 12.604 | 0.0 | 139.673 | 11.44  | 0.0 | 66.748  | 13.335 | 0.0 | 1.567 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.174 | 0.0 | 0.0 | 2.496 | 0.0 |
| 57 | 10964 | 10965 | NS | 1 | 0.0 | 90.807  | 9.693  | 0.0 | 32.947  | 13.927 | 0.0 | 336.208 | 9.385  | 0.0 | 34.066  | 11.418 | 0.0 | 1.419 | 0.0 | 0.0 | 1.8   | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.155 | 0.0 |
| 58 | 10964 | 10965 | SN | 1 | 0.0 | 31.948  | 12.328 | 0.0 | 76.678  | 12.397 | 0.0 | 139.673 | 11.537 | 0.0 | 50.664  | 12.986 | 0.0 | 1.567 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.174 | 0.0 | 0.0 | 2.496 | 0.0 |
| 59 | 10964 | 10965 | SN | 1 | 0.0 | 31.948  | 12.325 | 0.0 | 76.678  | 12.604 | 0.0 | 139.673 | 11.44  | 0.0 | 66.743  | 13.335 | 0.0 | 1.567 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.174 | 0.0 | 0.0 | 2.496 | 0.0 |
| 60 | 10964 | 10965 | SN | 1 | 0.0 | 23.339  | 6.619  | 0.0 | 191.373 | 8.205  | 0.0 | 156.168 | 3.79   | 0.0 | 81.691  | 4.764  | 0.0 | 1.644 | 0.0 | 0.0 | 2.018 | 0.0 | 0.0 | 2.138 | 0.0 | 0.0 | 2.453 | 0.0 |
| 61 | 10964 | 10965 | NS | 1 | 0.0 | 218.57  | 5.299  | 0.0 | 25.761  | 6.61   | 0.0 | 338.26  | 2.247  | 0.0 | 21.569  | 2.968  | 0.0 | 1.432 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.156 | 0.0 |
| 62 | 10964 | 10965 | SN | 1 | 0.0 | 23.339  | 6.637  | 0.0 | 191.373 | 8.247  | 0.0 | 156.168 | 3.78   | 0.0 | 81.691  | 4.885  | 0.0 | 1.644 | 0.0 | 0.0 | 2.018 | 0.0 | 0.0 | 2.138 | 0.0 | 0.0 | 2.453 | 0.0 |
| 63 | 10964 | 10965 | NS | 1 | 0.0 | 121.636 | 9.715  | 0.0 | 32.665  | 13.872 | 0.0 | 329.524 | 9.397  | 0.0 | 33.393  | 11.352 | 0.0 | 1.413 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.154 | 0.0 |
| 64 | 10965 | 10966 | SN | 1 | 0.0 | 32.07   | 12.328 | 0.0 | 97.039  | 12.711 | 0.0 | 144.978 | 11.429 | 0.0 | 64.509  | 13.339 | 0.0 | 1.556 | 0.0 | 0.0 | 2.062 | 0.0 | 0.0 | 2.171 | 0.0 | 0.0 | 2.549 | 0.0 |
| 65 | 10965 | 10966 | NS | 1 | 0.0 | 53.876  | 5.314  | 0.0 | 25.75   | 6.615  | 0.0 | 356.454 | 2.245  | 0.0 | 23.67   | 2.951  | 0.0 | 1.425 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.155 | 0.0 |
| 66 | 10965 | 10966 | NS | 1 | 0.0 | 25.612  | 5.307  | 0.0 | 25.75   | 6.615  | 0.0 | 356.448 | 2.253  | 0.0 | 23.659  | 2.965  | 0.0 | 1.423 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.155 | 0.0 |
| 67 | 10965 | 10966 | SN | 1 | 0.0 | 23.362  | 6.597  | 0.0 | 67.021  | 8.262  | 0.0 | 161.766 | 3.802  | 0.0 | 55.365  | 4.91   | 0.0 | 1.692 | 0.0 | 0.0 | 2.004 | 0.0 | 0.0 | 2.144 | 0.0 | 0.0 | 2.542 | 0.0 |
| 68 | 10965 | 10966 | SN | 1 | 0.0 | 23.362  | 6.573  | 0.0 | 67.021  | 8.107  | 0.0 | 161.766 | 3.807  | 0.0 | 22.038  | 4.698  | 0.0 | 1.692 | 0.0 | 0.0 | 2.004 | 0.0 | 0.0 | 2.239 | 0.0 | 0.0 | 2.542 | 0.0 |

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

|     |       |       |    |   |     |         |        |     |        |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|-----|-------|-------|----|---|-----|---------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 69  | 10965 | 10966 | NS | 1 | 0.0 | 23.174  | 9.649  | 0.0 | 32.974 | 13.915 | 0.0 | 355.103 | 9.412  | 0.0 | 34.551  | 11.415 | 0.0 | 1.402 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.153 | 0.0 |
| 70  | 10965 | 10966 | SN | 1 | 0.0 | 23.362  | 6.597  | 0.0 | 67.021 | 8.262  | 0.0 | 161.766 | 3.798  | 0.0 | 55.365  | 4.91   | 0.0 | 1.692 | 0.0 | 0.0 | 2.004 | 0.0 | 0.0 | 2.144 | 0.0 | 0.0 | 2.542 | 0.0 |
| 71  | 10965 | 10966 | SN | 1 | 0.0 | 32.07   | 12.328 | 0.0 | 97.039 | 12.711 | 0.0 | 144.978 | 11.429 | 0.0 | 64.509  | 13.339 | 0.0 | 1.556 | 0.0 | 0.0 | 2.062 | 0.0 | 0.0 | 2.171 | 0.0 | 0.0 | 2.549 | 0.0 |
| 72  | 10965 | 10966 | NS | 1 | 0.0 | 40.511  | 9.649  | 0.0 | 32.98  | 13.965 | 0.0 | 355.108 | 9.426  | 0.0 | 34.551  | 11.401 | 0.0 | 1.403 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.154 | 0.0 |
| 73  | 10965 | 10966 | SN | 1 | 0.0 | 32.07   | 12.365 | 0.0 | 97.039 | 12.173 | 0.0 | 144.978 | 11.593 | 0.0 | 22.391  | 12.575 | 0.0 | 1.556 | 0.0 | 0.0 | 2.062 | 0.0 | 0.0 | 2.193 | 0.0 | 0.0 | 2.549 | 0.0 |
| 74  | 10966 | 10967 | SN | 1 | 0.0 | 23.345  | 6.593  | 0.0 | 25.446 | 8.226  | 0.0 | 156.698 | 3.713  | 0.0 | 191.07  | 4.924  | 0.0 | 1.703 | 0.0 | 0.0 | 2.037 | 0.0 | 0.0 | 2.226 | 0.0 | 0.0 | 2.556 | 0.0 |
| 75  | 10966 | 10967 | SN | 1 | 0.0 | 32.29   | 12.408 | 0.0 | 22.953 | 11.791 | 0.0 | 151.784 | 11.531 | 0.0 | 68.946  | 12.035 | 0.0 | 1.546 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.206 | 0.0 | 0.0 | 2.575 | 0.0 |
| 76  | 10966 | 10967 | NS | 1 | 0.0 | 121.934 | 9.745  | 0.0 | 32.627 | 13.834 | 0.0 | 353.327 | 9.452  | 0.0 | 35.252  | 11.388 | 0.0 | 1.418 | 0.0 | 0.0 | 1.801 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.155 | 0.0 |
| 77  | 10966 | 10967 | SN | 1 | 0.0 | 23.345  | 6.593  | 0.0 | 25.446 | 8.226  | 0.0 | 156.698 | 3.719  | 0.0 | 191.07  | 4.92   | 0.0 | 1.703 | 0.0 | 0.0 | 2.037 | 0.0 | 0.0 | 2.265 | 0.0 | 0.0 | 2.556 | 0.0 |
| 78  | 10966 | 10967 | SN | 1 | 0.0 | 23.345  | 6.532  | 0.0 | 25.446 | 7.948  | 0.0 | 156.698 | 3.799  | 0.0 | 191.07  | 4.633  | 0.0 | 1.703 | 0.0 | 0.0 | 2.037 | 0.0 | 0.0 | 2.265 | 0.0 | 0.0 | 2.556 | 0.0 |
| 79  | 10966 | 10967 | NS | 1 | 0.0 | 155.939 | 9.71   | 0.0 | 33.024 | 13.915 | 0.0 | 355.257 | 9.376  | 0.0 | 35.081  | 11.429 | 0.0 | 1.418 | 0.0 | 0.0 | 1.801 | 0.0 | 0.0 | 1.857 | 0.0 | 0.0 | 2.154 | 0.0 |
| 80  | 10966 | 10967 | SN | 1 | 0.0 | 32.29   | 12.359 | 0.0 | 25.832 | 12.691 | 0.0 | 151.784 | 11.358 | 0.0 | 68.946  | 13.325 | 0.0 | 1.546 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.135 | 0.0 | 0.0 | 2.575 | 0.0 |
| 81  | 10966 | 10967 | SN | 1 | 0.0 | 32.29   | 12.359 | 0.0 | 25.832 | 12.691 | 0.0 | 151.784 | 11.358 | 0.0 | 68.946  | 13.325 | 0.0 | 1.546 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.194 | 0.0 | 0.0 | 2.575 | 0.0 |
| 82  | 10966 | 10967 | NS | 1 | 0.0 | 25.617  | 5.324  | 0.0 | 25.75  | 6.599  | 0.0 | 356.625 | 2.236  | 0.0 | 40.888  | 2.976  | 0.0 | 1.437 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.156 | 0.0 |
| 83  | 10966 | 10967 | NS | 1 | 0.0 | 45.491  | 5.334  | 0.0 | 25.761 | 6.618  | 0.0 | 356.625 | 2.244  | 0.0 | 32.064  | 2.978  | 0.0 | 1.438 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.155 | 0.0 |
| 84  | 10967 | 10968 | NS | 1 | 0.0 | 25.617  | 5.292  | 0.0 | 25.755 | 6.565  | 0.0 | 316.52  | 2.241  | 0.0 | 30.255  | 2.969  | 0.0 | 1.439 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.156 | 0.0 |
| 85  | 10967 | 10968 | NS | 1 | 0.0 | 46.638  | 9.747  | 0.0 | 32.66  | 13.855 | 0.0 | 353.636 | 9.458  | 0.0 | 36.382  | 11.366 | 0.0 | 1.405 | 0.0 | 0.0 | 1.801 | 0.0 | 0.0 | 1.855 | 0.0 | 0.0 | 2.154 | 0.0 |
| 86  | 10967 | 10968 | NS | 1 | 0.0 | 46.638  | 9.747  | 0.0 | 32.66  | 13.855 | 0.0 | 353.636 | 9.458  | 0.0 | 36.382  | 11.366 | 0.0 | 1.405 | 0.0 | 0.0 | 1.801 | 0.0 | 0.0 | 1.855 | 0.0 | 0.0 | 2.154 | 0.0 |
| 87  | 10967 | 10968 | SN | 1 | 0.0 | 32.401  | 12.367 | 0.0 | 25.176 | 12.665 | 0.0 | 194.288 | 11.305 | 0.0 | 134.641 | 13.187 | 0.0 | 1.714 | 0.0 | 0.0 | 2.139 | 0.0 | 0.0 | 2.24  | 0.0 | 0.0 | 2.647 | 0.0 |
| 88  | 10967 | 10968 | SN | 1 | 0.0 | 32.401  | 12.367 | 0.0 | 25.176 | 12.665 | 0.0 | 194.288 | 11.305 | 0.0 | 134.641 | 13.187 | 0.0 | 1.714 | 0.0 | 0.0 | 2.139 | 0.0 | 0.0 | 2.24  | 0.0 | 0.0 | 2.647 | 0.0 |
| 89  | 10967 | 10968 | NS | 1 | 0.0 | 25.617  | 5.292  | 0.0 | 25.755 | 6.565  | 0.0 | 316.52  | 2.241  | 0.0 | 30.255  | 2.969  | 0.0 | 1.439 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.156 | 0.0 |
| 90  | 10967 | 10968 | SN | 1 | 0.0 | 23.339  | 6.632  | 0.0 | 25.419 | 8.224  | 0.0 | 197.365 | 3.686  | 0.0 | 70.029  | 4.751  | 0.0 | 1.744 | 0.0 | 0.0 | 2.089 | 0.0 | 0.0 | 2.298 | 0.0 | 0.0 | 2.622 | 0.0 |
| 91  | 10967 | 10968 | SN | 1 | 0.0 | 23.339  | 6.632  | 0.0 | 25.419 | 8.224  | 0.0 | 197.365 | 3.686  | 0.0 | 70.029  | 4.751  | 0.0 | 1.744 | 0.0 | 0.0 | 2.089 | 0.0 | 0.0 | 2.298 | 0.0 | 0.0 | 2.622 | 0.0 |
| 92  | 10968 | 10969 | NS | 1 | 0.0 | 159.524 | 5.317  | 0.0 | 25.761 | 6.582  | 0.0 | 312.924 | 2.25   | 0.0 | 48.344  | 2.934  | 0.0 | 1.437 | 0.0 | 0.0 | 1.795 | 0.0 | 0.0 | 1.867 | 0.0 | 0.0 | 2.154 | 0.0 |
| 93  | 10968 | 10969 | SN | 1 | 0.0 | 23.351  | 6.656  | 0.0 | 25.446 | 8.227  | 0.0 | 142.651 | 3.725  | 0.0 | 160.192 | 4.899  | 0.0 | 1.738 | 0.0 | 0.0 | 2.082 | 0.0 | 0.0 | 2.296 | 0.0 | 0.0 | 2.594 | 0.0 |
| 94  | 10968 | 10969 | SN | 1 | 0.0 | 31.855  | 12.303 | 0.0 | 25.921 | 12.604 | 0.0 | 144.046 | 11.467 | 0.0 | 129.092 | 13.162 | 0.0 | 1.59  | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.205 | 0.0 | 0.0 | 2.62  | 0.0 |
| 95  | 10968 | 10969 | NS | 1 | 0.0 | 98.622  | 9.776  | 0.0 | 36.256 | 13.841 | 0.0 | 356.454 | 9.439  | 0.0 | 31.75   | 11.311 | 0.0 | 1.41  | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.157 | 0.0 |
| 96  | 10968 | 10969 | NS | 1 | 0.0 | 98.622  | 9.776  | 0.0 | 36.256 | 13.841 | 0.0 | 356.454 | 9.439  | 0.0 | 31.75   | 11.311 | 0.0 | 1.41  | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.157 | 0.0 |
| 97  | 10968 | 10969 | NS | 1 | 0.0 | 159.524 | 5.317  | 0.0 | 25.761 | 6.582  | 0.0 | 312.924 | 2.25   | 0.0 | 48.344  | 2.934  | 0.0 | 1.437 | 0.0 | 0.0 | 1.795 | 0.0 | 0.0 | 1.867 | 0.0 | 0.0 | 2.154 | 0.0 |
| 98  | 10969 | 10970 | NS | 1 | 0.0 | 23.505  | 9.696  | 0.0 | 31.099 | 13.794 | 0.0 | 356.879 | 9.433  | 0.0 | 23.406  | 11.291 | 0.0 | 1.41  | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.156 | 0.0 |
| 99  | 10969 | 10970 | NS | 1 | 0.0 | 23.505  | 9.706  | 0.0 | 32.66  | 13.883 | 0.0 | 356.879 | 9.376  | 0.0 | 32.445  | 11.347 | 0.0 | 1.41  | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.156 | 0.0 |
| 100 | 10969 | 10970 | NS | 1 | 0.0 | 23.505  | 9.706  | 0.0 | 32.66  | 13.883 | 0.0 | 356.879 | 9.376  | 0.0 | 32.445  | 11.347 | 0.0 | 1.41  | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.156 | 0.0 |
| 101 | 10969 | 10970 | SN | 1 | 0.0 | 31.678  | 12.285 | 0.0 | 25.121 | 12.634 | 0.0 | 143.23  | 11.519 | 0.0 | 57.957  | 13.021 | 0.0 | 1.552 | 0.0 | 0.0 | 2.098 | 0.0 | 0.0 | 2.216 | 0.0 | 0.0 | 2.602 | 0.0 |
| 102 | 10969 | 10970 | SN | 1 | 0.0 | 23.351  | 6.646  | 0.0 | 25.452 | 8.24   | 0.0 | 146.561 | 3.726  | 0.0 | 53.214  | 4.873  | 0.0 | 1.734 | 0.0 | 0.0 | 2.076 | 0.0 | 0.0 | 2.273 | 0.0 | 0.0 | 2.58  | 0.0 |
| 103 | 10969 | 10970 | SN | 1 | 0.0 | 23.351  | 6.646  | 0.0 | 25.452 | 8.24   | 0.0 | 146.561 | 3.726  | 0.0 | 53.214  | 4.873  | 0.0 | 1.734 | 0.0 | 0.0 | 2.076 | 0.0 | 0.0 | 2.273 | 0.0 | 0.0 | 2.58  | 0.0 |
| 104 | 10969 | 10970 | SN | 1 | 0.0 | 31.678  | 12.285 | 0.0 | 25.121 | 12.634 | 0.0 | 143.23  | 11.519 | 0.0 | 57.957  | 13.021 | 0.0 | 1.552 | 0.0 | 0.0 | 2.098 | 0.0 | 0.0 | 2.216 | 0.0 | 0.0 | 2.602 | 0.0 |
| 105 | 10969 | 10970 | NS | 1 | 0.0 | 25.617  | 5.324  | 0.0 | 25.744 | 6.57   | 0.0 | 355.527 | 2.204  | 0.0 | 20.758  | 2.932  | 0.0 | 1.436 | 0.0 | 0.0 | 1.795 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.154 | 0.0 |

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

|     |       |       |    |   |     |         |        |     |         |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 106 | 10969 | 10970 | SN | 1 | 0.0 | 31.678  | 12.285 | 0.0 | 25.121  | 12.634 | 0.0 | 143.23  | 11.519 | 0.0 | 57.957  | 13.021 | 0.0 | 1.552 | 0.0 | 0.0 | 2.098 | 0.0 | 0.0 | 2.216 | 0.0 | 0.0 | 2.602 | 0.0 |
| 107 | 10969 | 10970 | NS | 1 | 0.0 | 25.617  | 5.322  | 0.0 | 25.744  | 6.57   | 0.0 | 355.527 | 2.204  | 0.0 | 20.758  | 2.932  | 0.0 | 1.436 | 0.0 | 0.0 | 1.795 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.154 | 0.0 |
| 108 | 10969 | 10970 | NS | 1 | 0.0 | 25.617  | 5.342  | 0.0 | 25.744  | 6.58   | 0.0 | 355.527 | 2.218  | 0.0 | 14.598  | 2.904  | 0.0 | 1.436 | 0.0 | 0.0 | 1.795 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.154 | 0.0 |
| 109 | 10970 | 10971 | SN | 1 | 0.0 | 31.871  | 12.209 | 0.0 | 30.302  | 12.503 | 0.0 | 156.681 | 11.163 | 0.0 | 66.401  | 12.795 | 0.0 | 1.588 | 0.0 | 0.0 | 2.102 | 0.0 | 0.0 | 2.223 | 0.0 | 0.0 | 2.604 | 0.0 |
| 110 | 10970 | 10971 | NS | 1 | 0.0 | 160.842 | 5.322  | 0.0 | 25.761  | 6.577  | 0.0 | 321.649 | 2.241  | 0.0 | 72.445  | 2.963  | 0.0 | 1.438 | 0.0 | 0.0 | 1.795 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.154 | 0.0 |
| 111 | 10970 | 10971 | NS | 1 | 0.0 | 201.077 | 5.485  | 0.0 | 25.761  | 6.643  | 0.0 | 321.693 | 2.316  | 0.0 | 12.806  | 2.935  | 0.0 | 1.413 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.154 | 0.0 |
| 112 | 10970 | 10971 | NS | 1 | 0.0 | 270.447 | 9.692  | 0.0 | 32.93   | 13.947 | 0.0 | 357.016 | 9.364  | 0.0 | 54.295  | 11.421 | 0.0 | 1.417 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.867 | 0.0 | 0.0 | 2.154 | 0.0 |
| 113 | 10970 | 10971 | SN | 1 | 0.0 | 23.328  | 6.654  | 0.0 | 141.73  | 8.223  | 0.0 | 142.177 | 3.704  | 0.0 | 60.748  | 4.78   | 0.0 | 1.742 | 0.0 | 0.0 | 2.076 | 0.0 | 0.0 | 2.279 | 0.0 | 0.0 | 2.588 | 0.0 |
| 114 | 10970 | 10971 | NS | 1 | 0.0 | 211.354 | 9.733  | 0.0 | 29.654  | 13.482 | 0.0 | 357.016 | 9.685  | 0.0 | 14.052  | 11.021 | 0.0 | 1.417 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.867 | 0.0 | 0.0 | 2.154 | 0.0 |
| 115 | 10970 | 10971 | NS | 1 | 0.0 | 211.354 | 9.733  | 0.0 | 29.654  | 13.482 | 0.0 | 357.016 | 9.685  | 0.0 | 14.052  | 11.021 | 0.0 | 1.417 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.867 | 0.0 | 0.0 | 2.154 | 0.0 |
| 116 | 10971 | 10972 | NS | 1 | 0.0 | 23.808  | 9.631  | 0.0 | 32.969  | 13.887 | 0.0 | 355.036 | 9.414  | 0.0 | 34.408  | 11.405 | 0.0 | 1.409 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.154 | 0.0 |
| 117 | 10971 | 10972 | SN | 1 | 0.0 | 71.789  | 12.298 | 0.0 | 235.378 | 12.605 | 0.0 | 151.569 | 11.675 | 0.0 | 56.429  | 13.282 | 0.0 | 1.563 | 0.0 | 0.0 | 2.103 | 0.0 | 0.0 | 2.204 | 0.0 | 0.0 | 2.609 | 0.0 |
| 118 | 10971 | 10972 | NS | 1 | 0.0 | 25.617  | 5.306  | 0.0 | 25.761  | 6.584  | 0.0 | 356.432 | 2.244  | 0.0 | 69.103  | 2.987  | 0.0 | 1.437 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.154 | 0.0 |
| 119 | 10971 | 10972 | NS | 1 | 0.0 | 25.617  | 5.306  | 0.0 | 25.761  | 6.586  | 0.0 | 356.432 | 2.244  | 0.0 | 69.103  | 2.987  | 0.0 | 1.437 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.154 | 0.0 |
| 120 | 10971 | 10972 | SN | 1 | 0.0 | 71.789  | 12.308 | 0.0 | 169.832 | 12.626 | 0.0 | 144.079 | 11.689 | 0.0 | 274.859 | 13.282 | 0.0 | 1.563 | 0.0 | 0.0 | 2.103 | 0.0 | 0.0 | 2.203 | 0.0 | 0.0 | 2.609 | 0.0 |
| 121 | 10971 | 10972 | NS | 1 | 0.0 | 23.808  | 9.631  | 0.0 | 32.969  | 13.887 | 0.0 | 355.036 | 9.414  | 0.0 | 34.408  | 11.405 | 0.0 | 1.409 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.154 | 0.0 |
| 122 | 10971 | 10972 | SN | 1 | 0.0 | 71.21   | 6.697  | 0.0 | 169.815 | 8.276  | 0.0 | 143.633 | 3.854  | 0.0 | 58.823  | 4.933  | 0.0 | 1.721 | 0.0 | 0.0 | 2.079 | 0.0 | 0.0 | 2.291 | 0.0 | 0.0 | 2.589 | 0.0 |
| 123 | 10971 | 10972 | SN | 1 | 0.0 | 71.21   | 6.699  | 0.0 | 235.353 | 8.274  | 0.0 | 145.85  | 3.858  | 0.0 | 58.845  | 4.944  | 0.0 | 1.722 | 0.0 | 0.0 | 2.079 | 0.0 | 0.0 | 2.292 | 0.0 | 0.0 | 2.589 | 0.0 |
| 124 | 10972 | 10973 | NS | 1 | 0.0 | 197.534 | 5.313  | 0.0 | 25.739  | 6.611  | 0.0 | 135.264 | 2.237  | 0.0 | 65.424  | 2.967  | 0.0 | 1.438 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.154 | 0.0 |
| 125 | 10972 | 10973 | NS | 1 | 0.0 | 239.398 | 5.309  | 0.0 | 25.744  | 6.614  | 0.0 | 197.01  | 2.239  | 0.0 | 65.424  | 2.97   | 0.0 | 1.439 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.155 | 0.0 |
| 126 | 10972 | 10973 | SN | 1 | 0.0 | 23.356  | 6.682  | 0.0 | 25.452  | 8.26   | 0.0 | 160.365 | 3.713  | 0.0 | 171.779 | 4.906  | 0.0 | 1.733 | 0.0 | 0.0 | 2.073 | 0.0 | 0.0 | 2.208 | 0.0 | 0.0 | 2.593 | 0.0 |
| 127 | 10972 | 10973 | SN | 1 | 0.0 | 23.356  | 6.68   | 0.0 | 25.452  | 8.26   | 0.0 | 160.365 | 3.718  | 0.0 | 171.779 | 4.903  | 0.0 | 1.733 | 0.0 | 0.0 | 2.073 | 0.0 | 0.0 | 2.208 | 0.0 | 0.0 | 2.593 | 0.0 |
| 128 | 10972 | 10973 | SN | 1 | 0.0 | 32.097  | 12.327 | 0.0 | 25.126  | 12.653 | 0.0 | 151.867 | 11.435 | 0.0 | 173.405 | 13.417 | 0.0 | 1.575 | 0.0 | 0.0 | 2.108 | 0.0 | 0.0 | 2.223 | 0.0 | 0.0 | 2.616 | 0.0 |
| 129 | 10972 | 10973 | NS | 1 | 0.0 | 45.176  | 9.692  | 0.0 | 33.007  | 13.843 | 0.0 | 187.811 | 9.4    | 0.0 | 34.91   | 11.4   | 0.0 | 1.409 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.867 | 0.0 | 0.0 | 2.155 | 0.0 |
| 130 | 10972 | 10973 | NS | 1 | 0.0 | 261.116 | 9.702  | 0.0 | 33.007  | 13.853 | 0.0 | 138.385 | 9.385  | 0.0 | 34.91   | 11.407 | 0.0 | 1.416 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.155 | 0.0 |
| 131 | 10972 | 10973 | SN | 1 | 0.0 | 32.097  | 12.327 | 0.0 | 25.126  | 12.663 | 0.0 | 151.867 | 11.435 | 0.0 | 173.405 | 13.417 | 0.0 | 1.575 | 0.0 | 0.0 | 2.108 | 0.0 | 0.0 | 2.223 | 0.0 | 0.0 | 2.616 | 0.0 |
| 132 | 10973 | 10974 | SN | 1 | 0.0 | 32.351  | 12.307 | 0.0 | 75.42   | 12.694 | 0.0 | 141.03  | 11.479 | 0.0 | 47.258  | 13.256 | 0.0 | 1.633 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.213 | 0.0 | 0.0 | 2.62  | 0.0 |
| 133 | 10973 | 10974 | SN | 1 | 0.0 | 32.351  | 12.316 | 0.0 | 75.42   | 12.114 | 0.0 | 141.03  | 11.629 | 0.0 | 23.792  | 12.46  | 0.0 | 1.633 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.213 | 0.0 | 0.0 | 2.62  | 0.0 |
| 134 | 10973 | 10974 | NS | 1 | 0.0 | 80.472  | 9.767  | 0.0 | 32.632  | 13.875 | 0.0 | 240.639 | 9.429  | 0.0 | 36.327  | 11.36  | 0.0 | 1.411 | 0.0 | 0.0 | 1.8   | 0.0 | 0.0 | 1.854 | 0.0 | 0.0 | 2.155 | 0.0 |
| 135 | 10973 | 10974 | SN | 1 | 0.0 | 23.345  | 6.625  | 0.0 | 135.291 | 8.109  | 0.0 | 145.541 | 3.79   | 0.0 | 23.417  | 4.683  | 0.0 | 1.759 | 0.0 | 0.0 | 2.084 | 0.0 | 0.0 | 2.227 | 0.0 | 0.0 | 2.595 | 0.0 |
| 136 | 10973 | 10974 | SN | 1 | 0.0 | 23.345  | 6.651  | 0.0 | 135.291 | 8.265  | 0.0 | 145.541 | 3.797  | 0.0 | 60.88   | 4.905  | 0.0 | 1.759 | 0.0 | 0.0 | 2.084 | 0.0 | 0.0 | 2.227 | 0.0 | 0.0 | 2.595 | 0.0 |
| 137 | 10973 | 10974 | NS | 1 | 0.0 | 256.387 | 5.307  | 0.0 | 25.744  | 6.584  | 0.0 | 135.859 | 2.243  | 0.0 | 40.761  | 2.951  | 0.0 | 1.44  | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.155 | 0.0 |
| 138 | 10973 | 10974 | NS | 1 | 0.0 | 23.185  | 9.682  | 0.0 | 33.029  | 13.922 | 0.0 | 258.662 | 9.405  | 0.0 | 35.362  | 11.393 | 0.0 | 1.408 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.154 | 0.0 |
| 139 | 10973 | 10974 | NS | 1 | 0.0 | 241.951 | 5.308  | 0.0 | 25.755  | 6.594  | 0.0 | 355.042 | 2.239  | 0.0 | 37.188  | 2.954  | 0.0 | 1.433 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.156 | 0.0 |
| 140 | 10974 | 10975 | NS | 1 | 0.0 | 91.91   | 9.787  | 0.0 | 32.638  | 13.895 | 0.0 | 356.52  | 9.437  | 0.0 | 36.564  | 11.353 | 0.0 | 1.416 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.155 | 0.0 |
| 141 | 10974 | 10975 | SN | 1 | 0.0 | 32.334  | 12.266 | 0.0 | 56.576  | 12.725 | 0.0 | 146.815 | 11.535 | 0.0 | 71.083  | 13.32  | 0.0 | 1.626 | 0.0 | 0.0 | 2.113 | 0.0 | 0.0 | 2.187 | 0.0 | 0.0 | 2.625 | 0.0 |
| 142 | 10974 | 10975 | NS | 1 | 0.0 | 91.91   | 9.787  | 0.0 | 32.638  | 13.895 | 0.0 | 356.52  | 9.437  | 0.0 | 36.564  | 11.353 | 0.0 | 1.416 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.155 | 0.0 |

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

|     |       |       |    |   |     |         |        |     |         |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 143 | 10974 | 10975 | SN | 1 | 0.0 | 32.334  | 12.266 | 0.0 | 56.576  | 12.725 | 0.0 | 146.815 | 11.535 | 0.0 | 71.083  | 13.32  | 0.0 | 1.626 | 0.0 | 0.0 | 2.113 | 0.0 | 0.0 | 2.187 | 0.0 | 0.0 | 2.625 | 0.0 |
| 144 | 10974 | 10975 | NS | 1 | 0.0 | 121.416 | 5.294  | 0.0 | 25.744  | 6.558  | 0.0 | 355.34  | 2.2    | 0.0 | 38.031  | 2.927  | 0.0 | 1.432 | 0.0 | 0.0 | 1.795 | 0.0 | 0.0 | 1.867 | 0.0 | 0.0 | 2.154 | 0.0 |
| 145 | 10974 | 10975 | SN | 1 | 0.0 | 23.351  | 6.692  | 0.0 | 68.742  | 8.299  | 0.0 | 149.115 | 3.804  | 0.0 | 55.928  | 4.873  | 0.0 | 1.755 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.284 | 0.0 | 0.0 | 2.6   | 0.0 |
| 146 | 10974 | 10975 | SN | 1 | 0.0 | 23.351  | 6.692  | 0.0 | 68.742  | 8.299  | 0.0 | 149.115 | 3.804  | 0.0 | 55.928  | 4.875  | 0.0 | 1.755 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.284 | 0.0 | 0.0 | 2.6   | 0.0 |
| 147 | 10974 | 10975 | SN | 1 | 0.0 | 32.334  | 12.264 | 0.0 | 56.576  | 12.569 | 0.0 | 146.815 | 11.593 | 0.0 | 25.397  | 13.084 | 0.0 | 1.626 | 0.0 | 0.0 | 2.113 | 0.0 | 0.0 | 2.187 | 0.0 | 0.0 | 2.625 | 0.0 |
| 148 | 10974 | 10975 | SN | 1 | 0.0 | 23.351  | 6.683  | 0.0 | 68.742  | 8.264  | 0.0 | 149.115 | 3.816  | 0.0 | 23.411  | 4.77   | 0.0 | 1.755 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.284 | 0.0 | 0.0 | 2.6   | 0.0 |
| 149 | 10974 | 10975 | NS | 1 | 0.0 | 121.416 | 5.294  | 0.0 | 25.744  | 6.558  | 0.0 | 355.34  | 2.2    | 0.0 | 38.031  | 2.927  | 0.0 | 1.432 | 0.0 | 0.0 | 1.795 | 0.0 | 0.0 | 1.867 | 0.0 | 0.0 | 2.154 | 0.0 |
| 150 | 10975 | 10976 | SN | 1 | 0.0 | 23.362  | 6.715  | 0.0 | 25.419  | 8.277  | 0.0 | 167.474 | 3.755  | 0.0 | 23.422  | 4.797  | 0.0 | 1.776 | 0.0 | 0.0 | 2.09  | 0.0 | 0.0 | 2.225 | 0.0 | 0.0 | 2.604 | 0.0 |
| 151 | 10975 | 10976 | NS | 1 | 0.0 | 80.119  | 9.764  | 0.0 | 32.671  | 13.84  | 0.0 | 356.548 | 9.376  | 0.0 | 32.445  | 11.289 | 0.0 | 1.408 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.865 | 0.0 | 0.0 | 2.156 | 0.0 |
| 152 | 10975 | 10976 | NS | 1 | 0.0 | 80.119  | 9.774  | 0.0 | 32.665  | 13.83  | 0.0 | 356.548 | 9.362  | 0.0 | 32.445  | 11.275 | 0.0 | 1.411 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.865 | 0.0 | 0.0 | 2.156 | 0.0 |
| 153 | 10975 | 10976 | SN | 1 | 0.0 | 31.948  | 12.217 | 0.0 | 24.624  | 12.417 | 0.0 | 143.638 | 11.449 | 0.0 | 261.839 | 12.962 | 0.0 | 1.562 | 0.0 | 0.0 | 2.118 | 0.0 | 0.0 | 2.22  | 0.0 | 0.0 | 2.627 | 0.0 |
| 154 | 10975 | 10976 | SN | 1 | 0.0 | 31.948  | 12.217 | 0.0 | 24.624  | 12.417 | 0.0 | 143.638 | 11.449 | 0.0 | 261.839 | 12.962 | 0.0 | 1.562 | 0.0 | 0.0 | 2.118 | 0.0 | 0.0 | 2.22  | 0.0 | 0.0 | 2.627 | 0.0 |
| 155 | 10975 | 10976 | SN | 1 | 0.0 | 31.948  | 12.212 | 0.0 | 25.838  | 12.585 | 0.0 | 143.638 | 11.384 | 0.0 | 261.839 | 13.192 | 0.0 | 1.562 | 0.0 | 0.0 | 2.118 | 0.0 | 0.0 | 2.22  | 0.0 | 0.0 | 2.627 | 0.0 |
| 156 | 10975 | 10976 | NS | 1 | 0.0 | 197.671 | 5.29   | 0.0 | 25.744  | 6.558  | 0.0 | 165.878 | 2.201  | 0.0 | 20.764  | 2.907  | 0.0 | 1.44  | 0.0 | 0.0 | 1.794 | 0.0 | 0.0 | 1.867 | 0.0 | 0.0 | 2.152 | 0.0 |
| 157 | 10975 | 10976 | NS | 1 | 0.0 | 197.671 | 5.292  | 0.0 | 25.744  | 6.556  | 0.0 | 165.878 | 2.195  | 0.0 | 20.764  | 2.908  | 0.0 | 1.44  | 0.0 | 0.0 | 1.794 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.152 | 0.0 |
| 158 | 10975 | 10976 | SN | 1 | 0.0 | 23.362  | 6.715  | 0.0 | 25.419  | 8.277  | 0.0 | 167.474 | 3.757  | 0.0 | 23.422  | 4.799  | 0.0 | 1.776 | 0.0 | 0.0 | 2.09  | 0.0 | 0.0 | 2.225 | 0.0 | 0.0 | 2.604 | 0.0 |
| 159 | 10975 | 10976 | SN | 1 | 0.0 | 23.362  | 6.719  | 0.0 | 25.419  | 8.311  | 0.0 | 167.474 | 3.742  | 0.0 | 126.611 | 4.886  | 0.0 | 1.776 | 0.0 | 0.0 | 2.09  | 0.0 | 0.0 | 2.225 | 0.0 | 0.0 | 2.604 | 0.0 |
| 160 | 10976 | 10977 | SN | 1 | 0.0 | 31.849  | 12.229 | 0.0 | 230.966 | 12.399 | 0.0 | 157.723 | 11.724 | 0.0 | 23.808  | 13.029 | 0.0 | 1.607 | 0.0 | 0.0 | 2.117 | 0.0 | 0.0 | 2.233 | 0.0 | 0.0 | 2.623 | 0.0 |
| 161 | 10976 | 10977 | SN | 1 | 0.0 | 23.356  | 6.76   | 0.0 | 191.503 | 8.324  | 0.0 | 146.534 | 3.855  | 0.0 | 61.503  | 4.917  | 0.0 | 1.774 | 0.0 | 0.0 | 2.095 | 0.0 | 0.0 | 2.222 | 0.0 | 0.0 | 2.604 | 0.0 |
| 162 | 10976 | 10977 | NS | 1 | 0.0 | 202.547 | 9.806  | 0.0 | 32.671  | 13.8   | 0.0 | 357.049 | 9.397  | 0.0 | 32.952  | 11.31  | 0.0 | 1.411 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.865 | 0.0 | 0.0 | 2.155 | 0.0 |
| 163 | 10976 | 10977 | SN | 1 | 0.0 | 23.356  | 6.754  | 0.0 | 191.503 | 8.258  | 0.0 | 146.534 | 3.833  | 0.0 | 23.422  | 4.776  | 0.0 | 1.774 | 0.0 | 0.0 | 2.095 | 0.0 | 0.0 | 2.222 | 0.0 | 0.0 | 2.604 | 0.0 |
| 164 | 10976 | 10977 | NS | 1 | 0.0 | 157.514 | 5.284  | 0.0 | 25.755  | 6.531  | 0.0 | 356.117 | 2.213  | 0.0 | 39.862  | 2.898  | 0.0 | 1.434 | 0.0 | 0.0 | 1.794 | 0.0 | 0.0 | 1.867 | 0.0 | 0.0 | 2.152 | 0.0 |
| 165 | 10976 | 10977 | SN | 1 | 0.0 | 31.849  | 12.236 | 0.0 | 230.966 | 12.635 | 0.0 | 157.723 | 11.608 | 0.0 | 66.958  | 13.321 | 0.0 | 1.607 | 0.0 | 0.0 | 2.117 | 0.0 | 0.0 | 2.233 | 0.0 | 0.0 | 2.623 | 0.0 |
| 166 | 10976 | 10977 | NS | 1 | 0.0 | 157.514 | 5.284  | 0.0 | 25.755  | 6.531  | 0.0 | 356.117 | 2.215  | 0.0 | 39.862  | 2.896  | 0.0 | 1.434 | 0.0 | 0.0 | 1.794 | 0.0 | 0.0 | 1.867 | 0.0 | 0.0 | 2.152 | 0.0 |
| 167 | 10976 | 10977 | SN | 1 | 0.0 | 31.849  | 12.236 | 0.0 | 230.966 | 12.635 | 0.0 | 157.723 | 11.608 | 0.0 | 66.963  | 13.321 | 0.0 | 1.607 | 0.0 | 0.0 | 2.117 | 0.0 | 0.0 | 2.233 | 0.0 | 0.0 | 2.623 | 0.0 |
| 168 | 10976 | 10977 | SN | 1 | 0.0 | 23.356  | 6.76   | 0.0 | 191.503 | 8.324  | 0.0 | 146.534 | 3.852  | 0.0 | 61.503  | 4.91   | 0.0 | 1.774 | 0.0 | 0.0 | 2.095 | 0.0 | 0.0 | 2.222 | 0.0 | 0.0 | 2.604 | 0.0 |
| 169 | 10976 | 10977 | NS | 1 | 0.0 | 202.547 | 9.806  | 0.0 | 32.671  | 13.8   | 0.0 | 357.049 | 9.397  | 0.0 | 32.952  | 11.31  | 0.0 | 1.411 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.865 | 0.0 | 0.0 | 2.155 | 0.0 |
| 170 | 10977 | 10978 | SN | 1 | 0.0 | 31.855  | 12.259 | 0.0 | 275.554 | 12.705 | 0.0 | 188.144 | 11.589 | 0.0 | 64.669  | 13.324 | 0.0 | 1.618 | 0.0 | 0.0 | 2.119 | 0.0 | 0.0 | 2.153 | 0.0 | 0.0 | 2.623 | 0.0 |
| 171 | 10977 | 10978 | SN | 1 | 0.0 | 31.855  | 12.262 | 0.0 | 275.554 | 12.351 | 0.0 | 188.144 | 11.717 | 0.0 | 23.819  | 12.765 | 0.0 | 1.618 | 0.0 | 0.0 | 2.119 | 0.0 | 0.0 | 2.153 | 0.0 | 0.0 | 2.623 | 0.0 |
| 172 | 10977 | 10978 | NS | 1 | 0.0 | 150.209 | 9.729  | 0.0 | 32.941  | 13.84  | 0.0 | 355.07  | 9.328  | 0.0 | 34.221  | 11.26  | 0.0 | 1.415 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.152 | 0.0 |
| 173 | 10977 | 10978 | SN | 1 | 0.0 | 31.855  | 12.259 | 0.0 | 275.554 | 12.705 | 0.0 | 188.144 | 11.589 | 0.0 | 64.669  | 13.317 | 0.0 | 1.618 | 0.0 | 0.0 | 2.119 | 0.0 | 0.0 | 2.153 | 0.0 | 0.0 | 2.623 | 0.0 |
| 174 | 10977 | 10978 | SN | 1 | 0.0 | 23.345  | 6.757  | 0.0 | 199.96  | 8.315  | 0.0 | 180.82  | 3.857  | 0.0 | 118.454 | 4.939  | 0.0 | 1.75  | 0.0 | 0.0 | 2.09  | 0.0 | 0.0 | 2.3   | 0.0 | 0.0 | 2.606 | 0.0 |
| 175 | 10977 | 10978 | SN | 1 | 0.0 | 23.345  | 6.742  | 0.0 | 199.96  | 8.214  | 0.0 | 180.82  | 3.868  | 0.0 | 23.422  | 4.746  | 0.0 | 1.75  | 0.0 | 0.0 | 2.09  | 0.0 | 0.0 | 2.3   | 0.0 | 0.0 | 2.606 | 0.0 |
| 176 | 10977 | 10978 | NS | 1 | 0.0 | 254.454 | 5.294  | 0.0 | 25.744  | 6.527  | 0.0 | 282.365 | 2.186  | 0.0 | 24.398  | 2.907  | 0.0 | 1.44  | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.153 | 0.0 |
| 177 | 10977 | 10978 | NS | 1 | 0.0 | 68.345  | 5.297  | 0.0 | 25.744  | 6.527  | 0.0 | 282.432 | 2.191  | 0.0 | 24.398  | 2.904  | 0.0 | 1.44  | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.153 | 0.0 |
| 178 | 10977 | 10978 | NS | 1 | 0.0 | 42.027  | 9.729  | 0.0 | 32.941  | 13.83  | 0.0 | 355.075 | 9.321  | 0.0 | 34.221  | 11.275 | 0.0 | 1.415 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.152 | 0.0 |
| 179 | 10977 | 10978 | SN | 1 | 0.0 | 23.345  | 6.757  | 0.0 | 199.96  | 8.315  | 0.0 | 180.82  | 3.857  | 0.0 | 118.454 | 4.944  | 0.0 | 1.75  | 0.0 | 0.0 | 2.09  | 0.0 | 0.0 | 2.3   | 0.0 | 0.0 | 2.606 | 0.0 |

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

|     |       |       |    |   |     |         |        |     |         |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 180 | 10978 | 10979 | SN | 1 | 0.0 | 31.733  | 12.24  | 0.0 | 25.209  | 12.654 | 0.0 | 199.384 | 11.681 | 0.0 | 58.012  | 13.403 | 0.0 | 1.592 | 0.0 | 0.0 | 2.114 | 0.0 | 0.0 | 2.159 | 0.0 | 0.0 | 2.617 | 0.0 |
| 181 | 10978 | 10979 | SN | 1 | 0.0 | 23.356  | 6.735  | 0.0 | 25.441  | 8.344  | 0.0 | 179.431 | 3.907  | 0.0 | 54.29   | 4.945  | 0.0 | 1.754 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.292 | 0.0 | 0.0 | 2.601 | 0.0 |
| 182 | 10978 | 10979 | NS | 1 | 0.0 | 25.628  | 5.302  | 0.0 | 25.744  | 6.529  | 0.0 | 332.999 | 2.187  | 0.0 | 54.102  | 2.893  | 0.0 | 1.422 | 0.0 | 0.0 | 1.794 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.153 | 0.0 |
| 183 | 10978 | 10979 | NS | 1 | 0.0 | 23.626  | 9.73   | 0.0 | 32.952  | 13.84  | 0.0 | 337.383 | 9.35   | 0.0 | 34.607  | 11.302 | 0.0 | 1.408 | 0.0 | 0.0 | 1.794 | 0.0 | 0.0 | 1.855 | 0.0 | 0.0 | 2.153 | 0.0 |
| 184 | 10978 | 10979 | SN | 1 | 0.0 | 31.733  | 12.253 | 0.0 | 24.542  | 12.187 | 0.0 | 199.384 | 11.846 | 0.0 | 23.819  | 12.72  | 0.0 | 1.592 | 0.0 | 0.0 | 2.114 | 0.0 | 0.0 | 2.159 | 0.0 | 0.0 | 2.617 | 0.0 |
| 185 | 10978 | 10979 | SN | 1 | 0.0 | 23.356  | 6.735  | 0.0 | 25.441  | 8.341  | 0.0 | 179.431 | 3.905  | 0.0 | 54.246  | 4.951  | 0.0 | 1.754 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.292 | 0.0 | 0.0 | 2.601 | 0.0 |
| 186 | 10978 | 10979 | NS | 1 | 0.0 | 23.229  | 9.786  | 0.0 | 32.952  | 13.935 | 0.0 | 326.309 | 9.39   | 0.0 | 34.618  | 11.302 | 0.0 | 1.42  | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.15  | 0.0 |
| 187 | 10978 | 10979 | SN | 1 | 0.0 | 23.356  | 6.715  | 0.0 | 25.441  | 8.205  | 0.0 | 179.431 | 3.887  | 0.0 | 23.422  | 4.74   | 0.0 | 1.754 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.292 | 0.0 | 0.0 | 2.601 | 0.0 |
| 188 | 10978 | 10979 | NS | 1 | 0.0 | 25.628  | 5.31   | 0.0 | 25.744  | 6.516  | 0.0 | 321.241 | 2.198  | 0.0 | 24.906  | 2.907  | 0.0 | 1.441 | 0.0 | 0.0 | 1.793 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.154 | 0.0 |
| 189 | 10978 | 10979 | SN | 1 | 0.0 | 31.733  | 12.24  | 0.0 | 25.209  | 12.654 | 0.0 | 199.384 | 11.681 | 0.0 | 57.979  | 13.41  | 0.0 | 1.592 | 0.0 | 0.0 | 2.114 | 0.0 | 0.0 | 2.159 | 0.0 | 0.0 | 2.617 | 0.0 |
| 190 | 10979 | 10980 | NS | 1 | 0.0 | 122.819 | 5.308  | 0.0 | 25.744  | 6.549  | 0.0 | 314.992 | 2.177  | 0.0 | 29.616  | 2.901  | 0.0 | 1.429 | 0.0 | 0.0 | 1.794 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.152 | 0.0 |
| 191 | 10979 | 10980 | SN | 1 | 0.0 | 31.253  | 12.258 | 0.0 | 25.876  | 12.707 | 0.0 | 140.555 | 11.663 | 0.0 | 43.988  | 13.384 | 0.0 | 1.6   | 0.0 | 0.0 | 2.114 | 0.0 | 0.0 | 2.268 | 0.0 | 0.0 | 2.618 | 0.0 |
| 192 | 10979 | 10980 | SN | 1 | 0.0 | 31.253  | 12.258 | 0.0 | 25.876  | 12.707 | 0.0 | 140.555 | 11.663 | 0.0 | 43.988  | 13.384 | 0.0 | 1.6   | 0.0 | 0.0 | 2.114 | 0.0 | 0.0 | 2.268 | 0.0 | 0.0 | 2.618 | 0.0 |
| 193 | 10979 | 10980 | SN | 1 | 0.0 | 23.339  | 6.742  | 0.0 | 25.413  | 8.174  | 0.0 | 193.444 | 3.912  | 0.0 | 23.422  | 4.732  | 0.0 | 1.773 | 0.0 | 0.0 | 2.09  | 0.0 | 0.0 | 2.276 | 0.0 | 0.0 | 2.6   | 0.0 |
| 194 | 10979 | 10980 | SN | 1 | 0.0 | 23.339  | 6.769  | 0.0 | 25.413  | 8.345  | 0.0 | 193.444 | 3.856  | 0.0 | 128.1   | 4.952  | 0.0 | 1.773 | 0.0 | 0.0 | 2.09  | 0.0 | 0.0 | 2.276 | 0.0 | 0.0 | 2.6   | 0.0 |
| 195 | 10979 | 10980 | NS | 1 | 0.0 | 201.331 | 5.31   | 0.0 | 25.744  | 6.542  | 0.0 | 318.08  | 2.175  | 0.0 | 29.632  | 2.892  | 0.0 | 1.438 | 0.0 | 0.0 | 1.794 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.152 | 0.0 |
| 196 | 10979 | 10980 | NS | 1 | 0.0 | 122.905 | 9.818  | 0.0 | 32.958  | 13.906 | 0.0 | 352.285 | 9.458  | 0.0 | 36.305  | 11.311 | 0.0 | 1.418 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.151 | 0.0 |
| 197 | 10979 | 10980 | NS | 1 | 0.0 | 141.606 | 9.838  | 0.0 | 32.958  | 13.926 | 0.0 | 352.279 | 9.458  | 0.0 | 36.283  | 11.325 | 0.0 | 1.418 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.864 | 0.0 | 0.0 | 2.151 | 0.0 |
| 198 | 10979 | 10980 | SN | 1 | 0.0 | 31.253  | 12.276 | 0.0 | 24.448  | 12.011 | 0.0 | 140.555 | 11.881 | 0.0 | 23.825  | 12.471 | 0.0 | 1.6   | 0.0 | 0.0 | 2.114 | 0.0 | 0.0 | 2.209 | 0.0 | 0.0 | 2.618 | 0.0 |
| 199 | 10979 | 10980 | SN | 1 | 0.0 | 23.339  | 6.769  | 0.0 | 25.413  | 8.345  | 0.0 | 193.444 | 3.856  | 0.0 | 128.1   | 4.952  | 0.0 | 1.773 | 0.0 | 0.0 | 2.09  | 0.0 | 0.0 | 2.276 | 0.0 | 0.0 | 2.6   | 0.0 |
| 200 | 10980 | 10981 | NS | 1 | 0.0 | 198.366 | 5.32   | 0.0 | 25.755  | 6.549  | 0.0 | 316.398 | 2.178  | 0.0 | 30.603  | 2.911  | 0.0 | 1.438 | 0.0 | 0.0 | 1.794 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.153 | 0.0 |
| 201 | 10980 | 10981 | SN | 1 | 0.0 | 23.339  | 6.76   | 0.0 | 230.337 | 8.31   | 0.0 | 193.907 | 3.736  | 0.0 | 117.596 | 4.882  | 0.0 | 1.732 | 0.0 | 0.0 | 2.086 | 0.0 | 0.0 | 2.272 | 0.0 | 0.0 | 2.6   | 0.0 |
| 202 | 10980 | 10981 | SN | 1 | 0.0 | 32.257  | 12.236 | 0.0 | 29.602  | 11.877 | 0.0 | 145.646 | 11.746 | 0.0 | 36.617  | 12.15  | 0.0 | 1.638 | 0.0 | 0.0 | 2.111 | 0.0 | 0.0 | 2.19  | 0.0 | 0.0 | 2.614 | 0.0 |
| 203 | 10980 | 10981 | SN | 1 | 0.0 | 23.339  | 6.721  | 0.0 | 230.337 | 8.074  | 0.0 | 193.907 | 3.832  | 0.0 | 117.596 | 4.676  | 0.0 | 1.732 | 0.0 | 0.0 | 2.086 | 0.0 | 0.0 | 2.272 | 0.0 | 0.0 | 2.6   | 0.0 |
| 204 | 10980 | 10981 | SN | 1 | 0.0 | 32.257  | 12.246 | 0.0 | 29.602  | 12.716 | 0.0 | 145.646 | 11.528 | 0.0 | 71.491  | 13.227 | 0.0 | 1.638 | 0.0 | 0.0 | 2.111 | 0.0 | 0.0 | 2.19  | 0.0 | 0.0 | 2.614 | 0.0 |
| 205 | 10980 | 10981 | NS | 1 | 0.0 | 148.753 | 9.797  | 0.0 | 32.985  | 13.936 | 0.0 | 352.682 | 9.422  | 0.0 | 36.355  | 11.318 | 0.0 | 1.41  | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.154 | 0.0 |
| 206 | 10981 | 10982 | SN | 1 | 0.0 | 31.287  | 12.237 | 0.0 | 25.909  | 12.626 | 0.0 | 142.53  | 11.28  | 0.0 | 79.656  | 13.185 | 0.0 | 1.616 | 0.0 | 0.0 | 2.155 | 0.0 | 0.0 | 2.266 | 0.0 | 0.0 | 2.667 | 0.0 |
| 207 | 10981 | 10982 | NS | 1 | 0.0 | 151.461 | 9.836  | 0.0 | 32.632  | 13.84  | 0.0 | 356.757 | 9.404  | 0.0 | 32.368  | 11.333 | 0.0 | 1.418 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.855 | 0.0 | 0.0 | 2.157 | 0.0 |
| 208 | 10981 | 10982 | NS | 1 | 0.0 | 122.789 | 5.302  | 0.0 | 25.75   | 6.534  | 0.0 | 319.36  | 2.183  | 0.0 | 22.369  | 2.886  | 0.0 | 1.422 | 0.0 | 0.0 | 1.794 | 0.0 | 0.0 | 1.867 | 0.0 | 0.0 | 2.152 | 0.0 |
| 209 | 10981 | 10982 | SN | 1 | 0.0 | 23.345  | 6.733  | 0.0 | 25.43   | 8.273  | 0.0 | 150.124 | 3.67   | 0.0 | 205.051 | 4.862  | 0.0 | 1.773 | 0.0 | 0.0 | 2.13  | 0.0 | 0.0 | 2.253 | 0.0 | 0.0 | 2.654 | 0.0 |
| 210 | 10982 | 10983 | NS | 1 | 0.0 | 120.98  | 9.755  | 0.0 | 32.908  | 13.924 | 0.0 | 356.779 | 9.437  | 0.0 | 32.004  | 11.304 | 0.0 | 1.421 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.152 | 0.0 |
| 211 | 10982 | 10983 | NS | 1 | 0.0 | 120.765 | 5.302  | 0.0 | 25.755  | 6.539  | 0.0 | 355.902 | 2.191  | 0.0 | 71.618  | 2.895  | 0.0 | 1.42  | 0.0 | 0.0 | 1.793 | 0.0 | 0.0 | 1.865 | 0.0 | 0.0 | 2.152 | 0.0 |

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