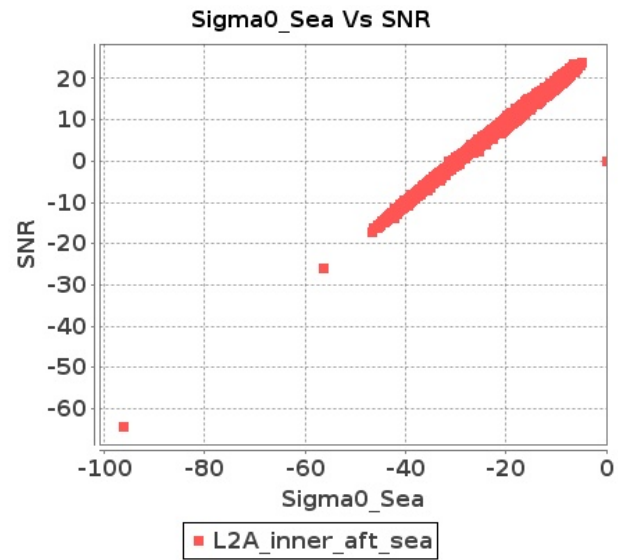


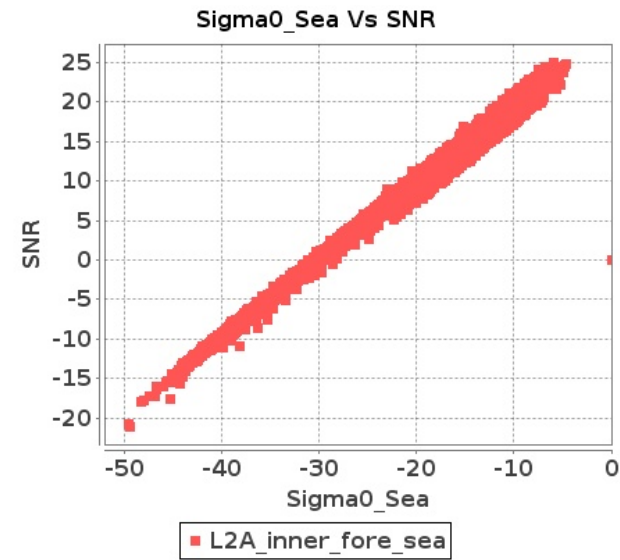
# SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 21-JAN-2020 To 22-JAN-2020

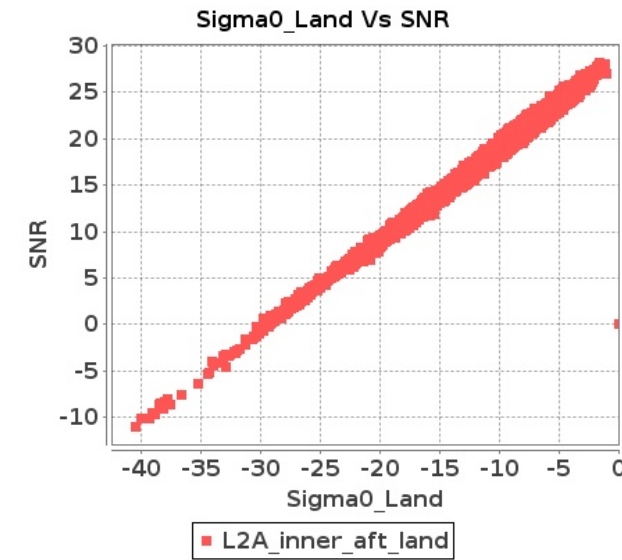
### Inner Sea Aft Sigma0VsSNR



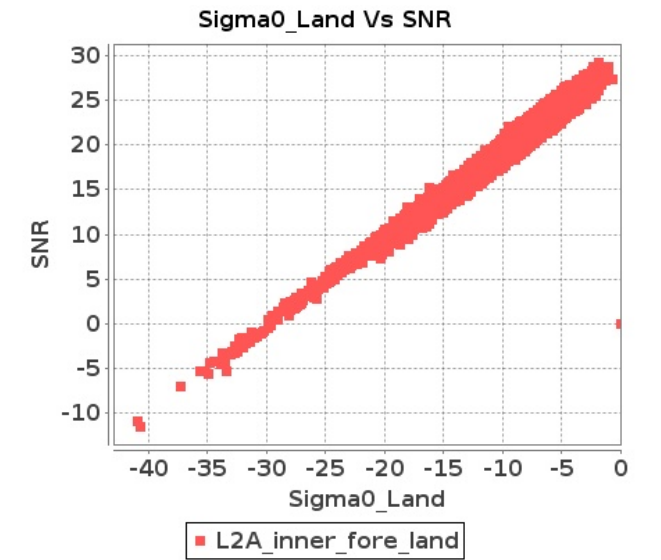
### Inner Sea Fore Sigma0VsSNR



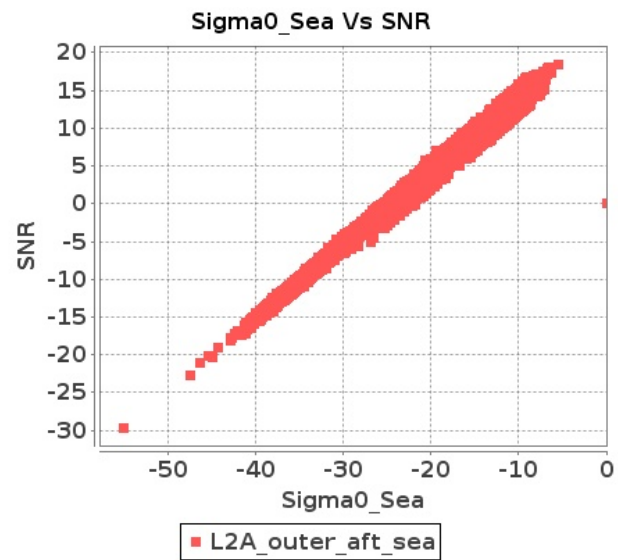
### Inner Land Aft Sigma0VsSNR



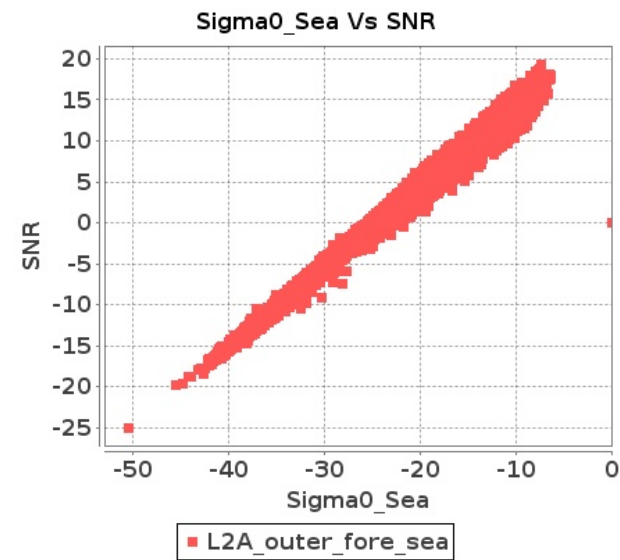
### Inner Land Fore Sigma0VsSNR



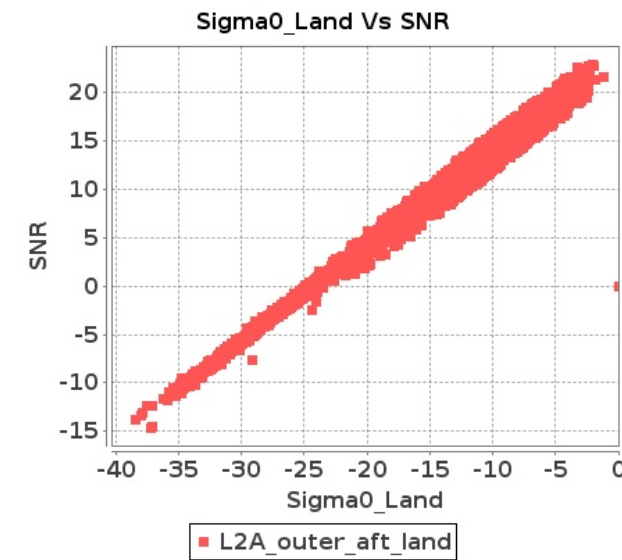
### Outer Sea Aft Sigma0VsSNR



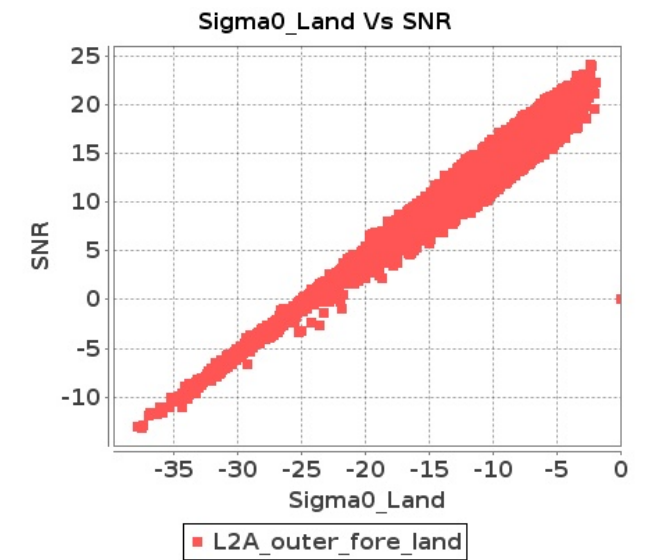
### Outer Sea Fore Sigma0VsSNR



### Outer Land Aft Sigma0VsSNR



### Outer Land Fore Sigma0VsSNR



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

Report between 21-JAN-2020 To 22-JAN-2020

| Sr No | Start Orbit | End Orbit | Dir. | Ver. | SNR       |        |            |            |        |            |           |        |            |            |        |            | Sigma0    |        |            |            |        |            |           |        |            |            |        |            |
|-------|-------------|-----------|------|------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|
|       |             |           |      |      | Inner Aft |        |            | Inner Fore |        |            | Outer Aft |        |            | Outer Fore |        |            | Inner Aft |        |            | Inner Fore |        |            | Outer Aft |        |            | Outer Fore |        |            |
|       |             |           |      |      | Min       | Max    | BadOcc (%) | Min        | Max    | BadOcc (%) | Min       | Max    | BadOcc (%) | Min        | Max    | BadOcc (%) | Min       | Max    | BadOcc (%) | Min        | Max    | BadOcc (%) | Min       | Max    | BadOcc (%) | Min        | Max    | BadOcc (%) |
| 1     | 17571       | 17572     | SN   | 1    | 0.752     | 49.04  | 4.789      | 0.0        | 48.993 | 5.137      | 0.0       | 44.747 | 3.538      | 0.0        | 50.531 | 4.369      | 0.892     | 50.14  | 4.779      | 0.0        | 50.132 | 4.883      | 0.0       | 44.671 | 3.446      | 0.0        | 46.784 | 3.715      |
| 2     | 17571       | 17572     | NS   | 1    | 0.0       | 55.356 | 5.769      | 0.0        | 56.872 | 7.093      | 0.0       | 47.699 | 4.69       | 0.0        | 51.074 | 5.711      | 0.0       | 55.125 | 5.698      | 0.0        | 57.335 | 6.596      | 0.0       | 45.878 | 4.569      | 0.0        | 50.496 | 5.12       |
| 3     | 17571       | 17572     | SN   | 1    | 0.0       | 49.04  | 4.902      | 0.0        | 48.993 | 5.257      | 0.0       | 44.747 | 3.63       | 0.0        | 50.531 | 4.458      | 0.0       | 50.14  | 4.902      | 0.0        | 50.132 | 4.997      | 0.0       | 44.671 | 3.543      | 0.0        | 46.784 | 3.788      |
| 4     | 17571       | 17572     | SN   | 1    | 0.0       | 44.433 | 1.104      | 0.0        | 43.887 | 1.274      | 0.0       | 41.43  | 0.987      | 0.0        | 45.547 | 1.294      | 0.0       | 43.353 | 1.129      | 0.0        | 46.176 | 1.188      | 0.0       | 39.479 | 0.941      | 0.0        | 41.783 | 1.031      |
| 5     | 17571       | 17572     | SN   | 1    | 0.0       | 44.433 | 1.135      | 0.0        | 43.887 | 1.302      | 0.0       | 41.43  | 1.016      | 0.0        | 45.547 | 1.324      | 0.0       | 43.353 | 1.16       | 0.0        | 46.176 | 1.214      | 0.0       | 39.479 | 0.969      | 0.0        | 41.783 | 1.059      |
| 6     | 17571       | 17572     | NS   | 1    | 0.0       | 49.583 | 1.352      | 0.0        | 53.149 | 1.933      | 0.0       | 46.175 | 1.247      | 0.0        | 46.614 | 1.637      | 0.0       | 51.456 | 1.366      | 0.0        | 50.627 | 1.737      | 0.0       | 45.466 | 1.181      | 0.0        | 44.527 | 1.452      |
| 7     | 17572       | 17573     | SN   | 1    | 0.0       | 44.557 | 1.485      | 0.0        | 51.894 | 1.828      | 0.0       | 40.033 | 1.672      | 0.0        | 39.476 | 2.131      | 0.0       | 43.893 | 1.46       | 0.0        | 51.137 | 1.631      | 0.0       | 40.651 | 1.582      | 0.0        | 36.811 | 1.798      |
| 8     | 17572       | 17573     | SN   | 1    | 0.0       | 47.688 | 5.306      | 0.0        | 50.918 | 6.274      | 0.0       | 41.797 | 4.687      | 0.0        | 47.872 | 5.964      | 0.0       | 47.516 | 5.346      | 0.0        | 52.868 | 5.858      | 0.0       | 43.222 | 4.651      | 0.0        | 47.383 | 5.451      |
| 9     | 17572       | 17573     | NS   | 1    | 0.0       | 52.657 | 5.718      | 0.0        | 50.766 | 7.043      | 0.0       | 47.539 | 5.494      | 0.0        | 49.787 | 6.217      | 0.0       | 52.454 | 5.769      | 0.0        | 49.616 | 7.236      | 0.0       | 47.276 | 5.729      | 0.0        | 53.083 | 6.551      |
| 10    | 17572       | 17573     | NS   | 1    | 0.602     | 53.768 | 5.728      | 0.0        | 51.35  | 7.188      | 0.0       | 47.298 | 5.671      | 0.0        | 48.712 | 6.502      | 0.667     | 54.284 | 5.89       | 0.0        | 49.616 | 7.361      | 0.0       | 47.276 | 5.628      | 0.0        | 48.229 | 6.857      |
| 11    | 17572       | 17573     | SN   | 1    | 0.0       | 44.558 | 1.498      | 0.0        | 51.894 | 1.863      | 0.0       | 40.033 | 1.665      | 0.0        | 39.476 | 2.154      | 0.0       | 43.893 | 1.485      | 0.0        | 51.137 | 1.664      | 0.0       | 40.651 | 1.588      | 0.0        | 36.934 | 1.819      |
| 12    | 17572       | 17573     | SN   | 1    | 0.0       | 47.688 | 5.368      | 0.0        | 50.918 | 6.338      | 0.0       | 41.797 | 4.745      | 0.0        | 47.872 | 6.025      | 0.0       | 47.516 | 5.409      | 0.0        | 52.868 | 5.918      | 0.0       | 43.222 | 4.702      | 0.0        | 47.383 | 5.508      |
| 13    | 17572       | 17573     | NS   | 1    | 0.0       | 44.226 | 1.558      | 0.0        | 47.696 | 2.101      | 0.0       | 39.574 | 1.577      | 0.0        | 45.527 | 2.059      | 0.0       | 44.12  | 1.576      | 0.0        | 46.912 | 2.065      | 0.0       | 39.11  | 1.593      | 0.0        | 41.736 | 2.091      |
| 14    | 17572       | 17573     | SN   | 1    | 0.0       | 47.688 | 5.389      | 0.0        | 50.918 | 6.344      | 0.0       | 41.812 | 4.759      | 0.0        | 47.983 | 6.034      | 0.0       | 47.603 | 5.41       | 0.0        | 52.925 | 5.954      | 0.0       | 43.238 | 4.723      | 0.0        | 47.495 | 5.536      |
| 15    | 17572       | 17573     | NS   | 1    | 0.0       | 48.342 | 1.588      | 0.0        | 48.608 | 2.151      | 0.0       | 38.271 | 1.617      | 0.0        | 42.171 | 2.042      | 0.0       | 48.022 | 1.604      | 0.0        | 47.127 | 2.103      | 0.0       | 38.536 | 1.608      | 0.0        | 43.005 | 2.033      |
| 16    | 17572       | 17573     | SN   | 1    | 0.0       | 44.557 | 1.503      | 0.0        | 51.894 | 1.849      | 0.0       | 40.033 | 1.69       | 0.0        | 39.476 | 2.156      | 0.0       | 43.893 | 1.478      | 0.0        | 51.137 | 1.65       | 0.0       | 40.651 | 1.601      | 0.0        | 36.811 | 1.819      |
| 17    | 17573       | 17574     | NS   | 1    | 0.0       | 45.819 | 1.061      | 0.0        | 39.297 | 1.536      | 0.0       | 49.81  | 1.311      | 0.0        | 36.577 | 1.703      | 0.0       | 46.427 | 1.07       | 0.0        | 38.35  | 1.425      | 0.0       | 47.88  | 1.313      | 0.0        | 35.026 | 1.588      |
| 18    | 17573       | 17574     | SN   | 1    | 0.0       | 43.765 | 1.319      | 0.0        | 51.871 | 1.812      | 0.0       | 37.914 | 1.864      | 0.0        | 37.521 | 2.575      | 0.0       | 43.725 | 1.315      | 0.0        | 49.221 | 1.604      | 0.0       | 35.68  | 1.765      | 0.0        | 37.421 | 2.314      |
| 19    | 17573       | 17574     | NS   | 1    | 0.268     | 46.116 | 3.697      | 0.0        | 47.917 | 5.682      | 0.0       | 50.37  | 4.013      | 0.0        | 45.736 | 5.372      | 0.078     | 47.734 | 3.839      | 0.0        | 45.94  | 5.509      | 0.0       | 48.856 | 4.163      | 0.0        | 41.435 | 5.25       |
| 20    | 17573       | 17574     | SN   | 1    | 0.0       | 44.294 | 4.479      | 0.0        | 45.992 | 5.649      | 0.0       | 38.505 | 5.426      | 0.0        | 44.11  | 7.039      | 0.0       | 42.971 | 4.531      | 0.0        | 45.204 | 5.175      | 0.0       | 39.345 | 5.462      | 0.0        | 43.497 | 6.627      |
| 21    | 17573       | 17574     | SN   | 1    | 0.0       | 44.294 | 4.416      | 0.0        | 45.992 | 5.563      | 0.0       | 38.505 | 5.349      | 0.0        | 44.11  | 6.931      | 0.0       | 42.971 | 4.467      | 0.0        | 45.204 | 5.096      | 0.0       | 39.345 | 5.384      | 0.0        | 43.497 | 6.525      |
| 22    | 17573       | 17574     | SN   | 1    | 0.0       | 43.765 | 1.301      | 0.0        | 51.871 | 1.787      | 0.0       | 40.406 | 1.839      | 0.0        | 37.521 | 2.544      | 0.0       | 43.725 | 1.296      | 0.0        | 49.221 | 1.581      | 0.0       | 37.465 | 1.742      | 0.0        | 37.421 | 2.287      |
| 23    | 17574       | 17575     | NS   | 1    | 0.0       | 52.971 | 3.097      | 0.0        | 52.819 | 4.055      | 0.0       | 42.835 | 2.597      | 0.0        | 42.488 | 3.532      | 0.0       | 53.645 | 3.168      | 0.0        | 55.541 | 3.902      | 0.0       | 41.545 | 2.604      | 0.0        | 39.212 | 3.176      |
| 24    | 17574       | 17575     | NS   | 1    | 0.0       | 47.162 | 0.719      | 0.0        | 46.665 | 1.054      | 0.0       | 35.965 | 0.749      | 0.0        | 42.061 | 1.026      | 0.0       | 46.382 | 0.703      | 0.0        | 45.752 | 1.013      | 0.0       | 36.805 | 0.682      | 0.0        | 42.026 | 0.852      |
| 25    | 17574       | 17575     | SN   | 1    | 0.0       | 51.532 | 3.928      | 0.0        | 42.556 | 4.791      | 0.0       | 47.58  | 4.915      | 0.0        | 42.826 | 6.521      | 0.0       | 52.815 | 3.939      | 0.0        | 45.738 | 4.375      | 0.0       | 49.436 | 4.77       | 0.0        | 42.047 | 5.698      |
| 26    | 17574       | 17575     | SN   | 1    | 0.0       | 49.773 | 1.105      | 0.0        | 40.043 | 1.459      | 0.0       | 38.451 | 1.538      | 0.0        | 45.211 | 2.179      | 0.0       | 49.909 | 1.096      | 0.0        | 40.46  | 1.253      | 0.0       | 38.463 | 1.442      | 0.0        | 45.035 | 1.81       |
| 27    | 17574       | 17575     | SN   | 1    | 0.0       | 51.532 | 3.838      | 0.0        | 42.556 | 4.691      | 0.0       | 48.282 | 4.801      | 0.0        | 42.826 | 6.471      | 0.0       | 52.815 | 3.838      | 0.0        | 45.738 | 4.285      | 0.0       | 50.137 | 4.631      | 0.0        | 42.047 | 5.631      |
| 28    | 17574       | 17575     | SN   | 1    | 0.0       | 43.463 | 1.084      | 0.0        | 40.043 | 1.426      | 0.0       | 38.451 | 1.502      | 0.0        | 45.211 | 2.144      | 0.0       | 44.366 | 1.075      | 0.0        | 40.46  | 1.225      | 0.0       | 38.463 | 1.41       | 0.0        | 45.035 | 1.759      |
| 29    | 17575       | 17576     | NS   | 1    | 0.0       | 49.645 | 0.907      | 0.0        | 43.543 | 1.133      | 0.0       | 39.022 | 0.884      | 0.0        | 44.275 | 1.475      | 0.0       | 49.152 | 0.911      | 0.0        | 43.861 | 1.049      | 0.0       | 39.347 | 0.833      | 0.0        | 44.479 | 1.349      |
| 30    | 17575       | 17576     | SN   | 1    | 0.0       | 41.158 | 4.618      | 0.0        | 52.491 | 6.076      | 0.0       | 43.137 | 4.61       | 0.0        | 45.856 | 6.261      | 0.0       | 40.94  | 4.524      | 0.0        | 50.687 | 5.402      | 0.0       | 40.524 | 4.301      | 0.0        | 44.222 | 5.848      |
| 31    | 17575       | 17576     | NS   | 1    | 0.0       | 53.856 | 2.895      | 0.0        | 43.118 | 3.659      | 0.0       | 42.723 | 2.825      | 0.0        | 43.693 | 4.301      | 0.0       | 53.955 | 2.986      | 0.0        | 42.649 | 3.445      | 0.0       | 44.778 | 2.818      | 0.0        | 42.786 | 4.195      |

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

|    |       |       |    |   |       |        |       |     |        |       |     |        |       |     |        |       |       |        |       |     |        |       |     |        |       |     |        |       |
|----|-------|-------|----|---|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 32 | 17575 | 17576 | SN | 1 | 0.0   | 38.763 | 1.111 | 0.0 | 43.121 | 1.611 | 0.0 | 37.208 | 1.442 | 0.0 | 39.889 | 2.102 | 0.0   | 37.259 | 1.091 | 0.0 | 44.9   | 1.363 | 0.0 | 36.918 | 1.353 | 0.0 | 40.926 | 1.809 |
| 33 | 17575 | 17576 | SN | 1 | 0.0   | 38.763 | 1.166 | 0.0 | 43.121 | 1.675 | 0.0 | 45.522 | 1.473 | 0.0 | 39.889 | 2.183 | 0.0   | 37.635 | 1.14  | 0.0 | 44.9   | 1.418 | 0.0 | 43.68  | 1.388 | 0.0 | 40.926 | 1.894 |
| 34 | 17575 | 17576 | SN | 1 | 0.0   | 40.405 | 4.486 | 0.0 | 52.491 | 5.901 | 0.0 | 41.053 | 4.475 | 0.0 | 45.856 | 6.022 | 0.0   | 40.188 | 4.344 | 0.0 | 50.687 | 5.251 | 0.0 | 39.677 | 4.206 | 0.0 | 44.222 | 5.702 |
| 35 | 17576 | 17577 | SN | 1 | 0.0   | 46.39  | 1.923 | 0.0 | 52.589 | 2.43  | 0.0 | 43.409 | 1.832 | 0.0 | 47.561 | 2.586 | 0.0   | 45.107 | 1.894 | 0.0 | 48.951 | 2.199 | 0.0 | 40.636 | 1.738 | 0.0 | 46.655 | 2.258 |
| 36 | 17576 | 17577 | NS | 1 | 0.0   | 47.521 | 1.14  | 0.0 | 45.228 | 1.357 | 0.0 | 38.831 | 1.403 | 0.0 | 40.213 | 1.704 | 0.0   | 46.852 | 1.126 | 0.0 | 45.785 | 1.307 | 0.0 | 39.822 | 1.288 | 0.0 | 40.067 | 1.445 |
| 37 | 17576 | 17577 | SN | 1 | 0.0   | 49.329 | 7.155 | 0.0 | 47.89  | 7.808 | 0.0 | 44.433 | 6.474 | 0.0 | 44.766 | 7.823 | 0.0   | 49.698 | 7.155 | 0.0 | 45.707 | 7.498 | 0.0 | 43.913 | 6.331 | 0.0 | 40.89  | 7.199 |
| 38 | 17576 | 17577 | NS | 1 | 0.0   | 47.009 | 3.789 | 0.0 | 48.738 | 4.32  | 0.0 | 47.631 | 4.391 | 0.0 | 42.123 | 5.241 | 0.0   | 46.064 | 3.738 | 0.0 | 49.147 | 4.249 | 0.0 | 48.22  | 4.22  | 0.0 | 43.171 | 4.7   |
| 39 | 17576 | 17577 | SN | 1 | 0.0   | 46.39  | 1.923 | 0.0 | 52.589 | 2.355 | 0.0 | 43.409 | 1.83  | 0.0 | 47.561 | 2.489 | 0.0   | 45.107 | 1.894 | 0.0 | 48.951 | 2.131 | 0.0 | 40.636 | 1.738 | 0.0 | 46.655 | 2.169 |
| 40 | 17576 | 17577 | SN | 1 | 0.0   | 49.329 | 7.155 | 0.0 | 47.89  | 8.065 | 0.0 | 44.433 | 6.474 | 0.0 | 44.766 | 8.115 | 0.0   | 49.698 | 7.155 | 0.0 | 45.707 | 7.744 | 0.0 | 43.913 | 6.331 | 0.0 | 40.89  | 7.485 |
| 41 | 17577 | 17578 | SN | 1 | 0.0   | 48.177 | 1.36  | 0.0 | 47.061 | 1.755 | 0.0 | 38.29  | 1.192 | 0.0 | 40.299 | 1.647 | 0.0   | 49.059 | 1.324 | 0.0 | 45.215 | 1.554 | 0.0 | 39.304 | 1.072 | 0.0 | 39.664 | 1.361 |
| 42 | 17577 | 17578 | NS | 1 | 0.0   | 52.979 | 4.072 | 0.0 | 54.216 | 5.713 | 0.0 | 39.944 | 4.582 | 0.0 | 44.051 | 6.259 | 0.0   | 53.049 | 4.042 | 0.0 | 52.651 | 5.233 | 0.0 | 40.143 | 4.447 | 0.0 | 43.269 | 5.751 |
| 43 | 17577 | 17578 | SN | 1 | 0.0   | 49.919 | 5.77  | 0.0 | 46.846 | 6.234 | 0.0 | 44.888 | 4.544 | 0.0 | 44.696 | 5.273 | 0.0   | 48.941 | 5.79  | 0.0 | 47.098 | 5.747 | 0.0 | 45.696 | 4.474 | 0.0 | 45.636 | 4.59  |
| 44 | 17577 | 17578 | SN | 1 | 0.0   | 49.919 | 6.198 | 0.0 | 46.846 | 6.653 | 0.0 | 44.888 | 4.879 | 0.0 | 44.696 | 5.542 | 0.0   | 48.941 | 6.22  | 0.0 | 47.098 | 6.171 | 0.0 | 45.696 | 4.833 | 0.0 | 45.636 | 4.85  |
| 45 | 17577 | 17578 | SN | 1 | 0.0   | 48.177 | 1.472 | 0.0 | 47.061 | 1.887 | 0.0 | 38.29  | 1.283 | 0.0 | 40.299 | 1.748 | 0.0   | 49.059 | 1.426 | 0.0 | 45.215 | 1.672 | 0.0 | 39.304 | 1.166 | 0.0 | 39.664 | 1.453 |
| 46 | 17577 | 17578 | NS | 1 | 0.0   | 49.685 | 1.235 | 0.0 | 46.565 | 1.869 | 0.0 | 48.225 | 1.463 | 0.0 | 40.497 | 2.219 | 0.0   | 50.075 | 1.187 | 0.0 | 44.95  | 1.694 | 0.0 | 45.33  | 1.412 | 0.0 | 37.106 | 1.828 |
| 47 | 17578 | 17579 | SN | 1 | 0.0   | 51.175 | 1.177 | 0.0 | 43.101 | 1.423 | 0.0 | 42.049 | 1.088 | 0.0 | 46.179 | 1.366 | 0.0   | 49.787 | 1.189 | 0.0 | 44.129 | 1.368 | 0.0 | 40.361 | 1.062 | 0.0 | 42.117 | 1.279 |
| 48 | 17578 | 17579 | SN | 1 | 0.0   | 51.175 | 1.073 | 0.0 | 43.101 | 1.301 | 0.0 | 42.049 | 1.002 | 0.0 | 46.179 | 1.269 | 0.0   | 49.787 | 1.082 | 0.0 | 44.129 | 1.247 | 0.0 | 40.361 | 0.977 | 0.0 | 42.117 | 1.18  |
| 49 | 17578 | 17579 | NS | 1 | 0.0   | 45.151 | 0.834 | 0.0 | 47.675 | 1.059 | 0.0 | 38.036 | 0.993 | 0.0 | 46.809 | 1.318 | 0.0   | 43.574 | 0.828 | 0.0 | 46.763 | 0.993 | 0.0 | 36.358 | 0.955 | 0.0 | 49.053 | 1.129 |
| 50 | 17578 | 17579 | NS | 1 | 0.659 | 49.724 | 3.26  | 0.0 | 52.289 | 4.087 | 0.0 | 44.15  | 3.266 | 0.0 | 45.856 | 4.239 | 0.968 | 48.959 | 3.331 | 0.0 | 52.943 | 4.097 | 0.0 | 44.581 | 3.18  | 0.0 | 47.38  | 3.997 |
| 51 | 17578 | 17579 | SN | 1 | 0.0   | 54.001 | 4.558 | 0.0 | 49.287 | 5.34  | 0.0 | 47.737 | 3.533 | 0.0 | 50.468 | 4.255 | 0.0   | 52.909 | 4.619 | 0.0 | 46.126 | 5.32  | 0.0 | 47.195 | 3.611 | 0.0 | 46.409 | 3.9   |
| 52 | 17578 | 17579 | SN | 1 | 0.0   | 54.001 | 4.95  | 0.0 | 49.287 | 5.774 | 0.0 | 47.737 | 3.802 | 0.0 | 50.468 | 4.591 | 0.0   | 52.909 | 5.029 | 0.0 | 46.126 | 5.808 | 0.0 | 47.195 | 3.92  | 0.0 | 46.409 | 4.218 |
| 53 | 17579 | 17580 | NS | 1 | 0.0   | 53.655 | 6.6   | 0.0 | 54.43  | 7.957 | 0.0 | 45.01  | 5.678 | 0.0 | 47.163 | 6.437 | 0.0   | 54.082 | 6.823 | 0.0 | 53.941 | 7.418 | 0.0 | 44.953 | 5.55  | 0.0 | 46.498 | 5.889 |
| 54 | 17579 | 17580 | SN | 1 | 0.0   | 44.272 | 4.708 | 0.0 | 49.343 | 5.474 | 0.0 | 41.467 | 4.376 | 0.0 | 45.222 | 5.36  | 0.0   | 45.17  | 4.789 | 0.0 | 48.297 | 5.504 | 0.0 | 42.38  | 4.574 | 0.0 | 46.637 | 5.282 |
| 55 | 17579 | 17580 | SN | 1 | 0.0   | 41.025 | 1.266 | 0.0 | 44.243 | 1.55  | 0.0 | 37.074 | 1.35  | 0.0 | 44.28  | 1.811 | 0.0   | 40.762 | 1.278 | 0.0 | 42.617 | 1.55  | 0.0 | 36.678 | 1.396 | 0.0 | 41.571 | 1.688 |
| 56 | 17579 | 17580 | NS | 1 | 0.0   | 45.032 | 1.666 | 0.0 | 42.809 | 2.234 | 0.0 | 42.262 | 1.717 | 0.0 | 41.265 | 2.203 | 0.0   | 44.356 | 1.684 | 0.0 | 42.788 | 2.042 | 0.0 | 44.445 | 1.612 | 0.0 | 41.364 | 1.947 |
| 57 | 17580 | 17581 | NS | 1 | 0.0   | 50.749 | 4.132 | 0.0 | 50.206 | 5.652 | 0.0 | 47.098 | 4.36  | 0.0 | 43.834 | 6.339 | 0.0   | 50.436 | 4.102 | 0.0 | 49.216 | 5.591 | 0.0 | 48.914 | 4.431 | 0.0 | 43.278 | 5.854 |
| 58 | 17580 | 17581 | NS | 1 | 0.0   | 38.576 | 1.092 | 0.0 | 43.118 | 1.579 | 0.0 | 36.792 | 1.591 | 0.0 | 39.795 | 2.241 | 0.0   | 40.486 | 1.112 | 0.0 | 44.804 | 1.54  | 0.0 | 37.512 | 1.495 | 0.0 | 39.199 | 2.018 |
| 59 | 17580 | 17581 | SN | 1 | 0.0   | 42.812 | 1.059 | 0.0 | 43.805 | 1.329 | 0.0 | 37.374 | 1.291 | 0.0 | 42.832 | 1.797 | 0.0   | 42.414 | 1.023 | 0.0 | 44.369 | 1.164 | 0.0 | 37.206 | 1.192 | 0.0 | 43.78  | 1.509 |
| 60 | 17580 | 17581 | SN | 1 | 0.0   | 50.194 | 4.28  | 0.0 | 49.024 | 4.977 | 0.0 | 40.479 | 4.062 | 0.0 | 44.433 | 5.284 | 0.0   | 48.328 | 4.209 | 0.0 | 46.671 | 4.632 | 0.0 | 39.259 | 4.027 | 0.0 | 41.693 | 4.807 |
| 61 | 17581 | 17582 | SN | 1 | 0.0   | 47.57  | 3.239 | 0.0 | 41.596 | 4.305 | 0.0 | 42.425 | 3.091 | 0.0 | 41.296 | 4.12  | 0.0   | 47.396 | 3.35  | 0.0 | 40.201 | 4.254 | 0.0 | 43.01  | 3.212 | 0.0 | 40.151 | 3.956 |
| 62 | 17581 | 17582 | NS | 1 | 0.0   | 54.98  | 3.113 | 0.0 | 49.074 | 5.107 | 0.0 | 42.739 | 3.612 | 0.0 | 45.505 | 4.743 | 0.0   | 55.248 | 3.062 | 0.0 | 45.359 | 4.485 | 0.0 | 40.895 | 3.576 | 0.0 | 43.904 | 4.314 |
| 63 | 17581 | 17582 | NS | 1 | 0.0   | 54.98  | 3.128 | 0.0 | 49.074 | 5.081 | 0.0 | 42.739 | 3.607 | 0.0 | 45.505 | 4.718 | 0.0   | 55.248 | 3.077 | 0.0 | 45.359 | 4.462 | 0.0 | 40.895 | 3.572 | 0.0 | 43.904 | 4.292 |
| 64 | 17581 | 17582 | NS | 1 | 0.0   | 44.125 | 0.884 | 0.0 | 46.164 | 1.476 | 0.0 | 39.054 | 1.25  | 0.0 | 37.908 | 1.695 | 0.0   | 42.914 | 0.866 | 0.0 | 44.99  | 1.292 | 0.0 | 40.309 | 1.216 | 0.0 | 39.277 | 1.51  |
| 65 | 17581 | 17582 | NS | 1 | 0.0   | 44.125 | 0.882 | 0.0 | 46.164 | 1.469 | 0.0 | 39.054 | 1.248 | 0.0 | 37.908 | 1.687 | 0.0   | 42.914 | 0.861 | 0.0 | 44.99  | 1.286 | 0.0 | 40.309 | 1.215 | 0.0 | 39.277 | 1.502 |
| 66 | 17581 | 17582 | SN | 1 | 0.0   | 41.653 | 0.786 | 0.0 | 35.774 | 1.096 | 0.0 | 41.689 | 0.877 | 0.0 | 42.977 | 1.285 | 0.0   | 42.584 | 0.791 | 0.0 | 36.159 | 1.084 | 0.0 | 43.4   | 0.881 | 0.0 | 38.834 | 1.153 |
| 67 | 17582 | 17583 | NS | 1 | 0.0   | 41.404 | 0.795 | 0.0 | 39.708 | 1.076 | 0.0 | 36.529 | 1.073 | 0.0 | 37.801 | 1.583 | 0.0   | 41.455 | 0.762 | 0.0 | 42.278 | 0.923 | 0.0 | 36.521 | 1.055 | 0.0 | 37.086 | 1.279 |

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

|     |       |       |    |   |       |        |       |     |        |       |     |        |       |     |        |       |       |        |       |     |        |       |     |        |       |     |        |       |
|-----|-------|-------|----|---|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 68  | 17582 | 17583 | NS | 1 | 0.0   | 42.372 | 2.334 | 0.0 | 45.835 | 3.514 | 0.0 | 38.234 | 3.214 | 0.0 | 40.36  | 4.399 | 0.0   | 42.811 | 2.292 | 0.0 | 43.493 | 3.201 | 0.0 | 39.432 | 3.082 | 0.0 | 37.0   | 3.834 |
| 69  | 17582 | 17583 | SN | 1 | 0.0   | 43.831 | 1.225 | 0.0 | 44.632 | 1.794 | 0.0 | 40.493 | 1.342 | 0.0 | 42.151 | 1.789 | 0.0   | 43.783 | 1.248 | 0.0 | 42.155 | 1.647 | 0.0 | 41.207 | 1.319 | 0.0 | 40.814 | 1.737 |
| 70  | 17582 | 17583 | NS | 1 | 0.605 | 41.011 | 2.387 | 0.0 | 45.835 | 3.406 | 0.0 | 38.234 | 3.209 | 0.0 | 40.36  | 4.282 | 0.43  | 41.492 | 2.346 | 0.0 | 45.181 | 3.121 | 0.0 | 39.432 | 3.081 | 0.0 | 37.0   | 3.726 |
| 71  | 17582 | 17583 | NS | 1 | 0.0   | 41.404 | 0.803 | 0.0 | 39.708 | 1.054 | 0.0 | 36.529 | 1.053 | 0.0 | 37.801 | 1.538 | 0.0   | 41.455 | 0.769 | 0.0 | 42.278 | 0.9   | 0.0 | 36.521 | 1.007 | 0.0 | 37.086 | 1.248 |
| 72  | 17582 | 17583 | SN | 1 | 0.0   | 51.244 | 5.254 | 0.0 | 49.462 | 6.752 | 0.0 | 45.66  | 4.722 | 0.0 | 47.06  | 5.971 | 0.0   | 51.106 | 5.446 | 0.0 | 49.25  | 6.437 | 0.0 | 47.509 | 4.836 | 0.0 | 47.123 | 5.629 |
| 73  | 17583 | 17584 | SN | 1 | 0.0   | 49.256 | 1.379 | 0.0 | 46.701 | 1.892 | 0.0 | 45.978 | 1.467 | 0.0 | 43.417 | 2.361 | 0.0   | 50.728 | 1.339 | 0.0 | 44.993 | 1.792 | 0.0 | 43.712 | 1.367 | 0.0 | 43.081 | 2.159 |
| 74  | 17583 | 17584 | NS | 1 | 0.0   | 41.755 | 1.865 | 0.0 | 46.162 | 2.445 | 0.0 | 41.843 | 2.112 | 0.0 | 39.978 | 3.092 | 0.0   | 40.858 | 1.865 | 0.0 | 46.513 | 2.365 | 0.0 | 39.984 | 2.072 | 0.0 | 40.816 | 2.932 |
| 75  | 17583 | 17584 | SN | 1 | 0.0   | 48.435 | 4.668 | 0.0 | 47.265 | 5.738 | 0.0 | 43.686 | 4.887 | 0.0 | 43.372 | 6.607 | 0.0   | 48.752 | 4.648 | 0.0 | 49.127 | 5.606 | 0.0 | 44.089 | 4.901 | 0.0 | 44.026 | 6.45  |
| 76  | 17583 | 17584 | NS | 1 | 0.0   | 41.755 | 1.718 | 0.0 | 46.162 | 2.267 | 0.0 | 41.843 | 2.042 | 0.0 | 39.978 | 2.883 | 0.0   | 40.858 | 1.732 | 0.0 | 46.513 | 2.195 | 0.0 | 39.984 | 1.998 | 0.0 | 39.207 | 2.716 |
| 77  | 17583 | 17584 | NS | 1 | 0.0   | 48.311 | 6.174 | 0.0 | 51.562 | 7.469 | 0.0 | 41.077 | 6.29  | 0.0 | 40.963 | 8.104 | 0.0   | 48.448 | 6.174 | 0.0 | 50.553 | 7.408 | 0.0 | 41.269 | 6.304 | 0.0 | 43.094 | 8.189 |
| 78  | 17583 | 17584 | NS | 1 | 0.0   | 48.311 | 6.493 | 0.0 | 48.027 | 8.019 | 0.0 | 41.077 | 6.584 | 0.0 | 40.963 | 8.682 | 0.0   | 48.448 | 6.482 | 0.0 | 47.49  | 7.899 | 0.0 | 41.269 | 6.782 | 0.0 | 41.008 | 8.751 |
| 79  | 17584 | 17585 | NS | 1 | 0.0   | 41.515 | 1.575 | 0.0 | 47.105 | 2.243 | 0.0 | 37.495 | 1.621 | 0.0 | 42.725 | 2.278 | 0.0   | 42.316 | 1.548 | 0.0 | 44.62  | 2.159 | 0.0 | 38.892 | 1.601 | 0.0 | 39.855 | 2.163 |
| 80  | 17584 | 17585 | SN | 1 | 0.0   | 43.576 | 4.461 | 0.0 | 39.478 | 8.027 | 0.0 | 39.871 | 5.384 | 0.0 | 41.022 | 6.118 | 0.0   | 44.882 | 4.39  | 0.0 | 39.004 | 7.651 | 0.0 | 39.635 | 5.534 | 0.0 | 38.395 | 5.964 |
| 81  | 17584 | 17585 | NS | 1 | 0.0   | 41.515 | 1.614 | 0.0 | 47.105 | 2.566 | 0.0 | 37.495 | 1.646 | 0.0 | 42.725 | 2.496 | 0.0   | 42.316 | 1.583 | 0.0 | 44.62  | 2.433 | 0.0 | 38.892 | 1.574 | 0.0 | 39.855 | 2.384 |
| 82  | 17584 | 17585 | SN | 1 | 0.0   | 38.554 | 1.309 | 0.0 | 49.512 | 3.02  | 0.0 | 35.675 | 1.687 | 0.0 | 45.391 | 2.07  | 0.0   | 36.737 | 1.293 | 0.0 | 45.522 | 2.936 | 0.0 | 33.674 | 1.579 | 0.0 | 46.365 | 2.009 |
| 83  | 17584 | 17585 | NS | 1 | 0.0   | 53.726 | 6.796 | 0.0 | 49.786 | 9.152 | 0.0 | 48.862 | 5.48  | 0.0 | 47.383 | 7.865 | 0.0   | 53.423 | 6.785 | 0.0 | 53.538 | 8.841 | 0.0 | 48.611 | 5.561 | 0.0 | 42.934 | 7.558 |
| 84  | 17584 | 17585 | NS | 1 | 0.0   | 53.726 | 6.384 | 0.0 | 49.786 | 8.09  | 0.0 | 48.862 | 5.413 | 0.0 | 47.383 | 7.04  | 0.0   | 53.423 | 6.344 | 0.0 | 53.538 | 7.887 | 0.0 | 48.611 | 5.534 | 0.0 | 42.934 | 6.877 |
| 85  | 17585 | 17586 | SN | 1 | 0.0   | 54.102 | 0.861 | 0.0 | 47.115 | 1.123 | 0.0 | 44.603 | 0.994 | 0.0 | 42.174 | 1.324 | 0.0   | 52.834 | 0.872 | 0.0 | 45.134 | 1.062 | 0.0 | 41.673 | 0.996 | 0.0 | 42.456 | 1.212 |
| 86  | 17585 | 17586 | NS | 1 | 0.0   | 44.772 | 1.135 | 0.0 | 47.231 | 1.432 | 0.0 | 41.062 | 1.032 | 0.0 | 39.671 | 1.364 | 0.0   | 45.108 | 1.14  | 0.0 | 49.108 | 1.316 | 0.0 | 41.473 | 1.011 | 0.0 | 44.576 | 1.157 |
| 87  | 17585 | 17586 | NS | 1 | 0.0   | 44.772 | 1.096 | 0.0 | 47.231 | 1.439 | 0.0 | 41.062 | 0.902 | 0.0 | 39.671 | 1.341 | 0.0   | 45.108 | 1.052 | 0.0 | 49.108 | 1.272 | 0.0 | 41.473 | 0.815 | 0.0 | 44.576 | 1.034 |
| 88  | 17585 | 17586 | NS | 1 | 0.0   | 54.819 | 3.667 | 0.0 | 50.551 | 5.357 | 0.0 | 50.573 | 3.629 | 0.0 | 45.657 | 4.96  | 0.0   | 54.561 | 3.68  | 0.0 | 53.747 | 4.819 | 0.0 | 50.995 | 3.498 | 0.0 | 47.729 | 3.958 |
| 89  | 17585 | 17586 | NS | 1 | 0.0   | 54.819 | 4.103 | 0.0 | 50.551 | 5.537 | 0.0 | 50.573 | 3.892 | 0.0 | 45.657 | 4.806 | 0.0   | 54.561 | 4.215 | 0.0 | 53.747 | 5.302 | 0.0 | 50.995 | 3.942 | 0.0 | 47.729 | 4.154 |
| 90  | 17585 | 17586 | SN | 1 | 0.0   | 54.102 | 0.903 | 0.0 | 47.115 | 1.177 | 0.0 | 44.603 | 1.038 | 0.0 | 42.174 | 1.391 | 0.0   | 52.834 | 0.912 | 0.0 | 45.134 | 1.115 | 0.0 | 41.673 | 1.044 | 0.0 | 42.456 | 1.27  |
| 91  | 17585 | 17586 | SN | 1 | 0.0   | 52.381 | 3.768 | 0.0 | 47.635 | 4.074 | 0.0 | 43.209 | 3.588 | 0.0 | 50.469 | 4.532 | 0.0   | 51.215 | 3.874 | 0.0 | 46.226 | 3.776 | 0.0 | 42.083 | 3.521 | 0.0 | 50.821 | 4.196 |
| 92  | 17585 | 17586 | SN | 1 | 0.0   | 52.381 | 3.595 | 0.0 | 47.635 | 3.878 | 0.0 | 43.209 | 3.418 | 0.0 | 50.469 | 4.312 | 0.0   | 51.215 | 3.696 | 0.0 | 46.226 | 3.604 | 0.0 | 42.083 | 3.348 | 0.0 | 50.821 | 3.991 |
| 93  | 17586 | 17587 | NS | 1 | 0.0   | 49.128 | 1.377 | 0.0 | 46.272 | 1.649 | 0.0 | 47.926 | 1.28  | 0.0 | 44.018 | 1.684 | 0.0   | 50.147 | 1.336 | 0.0 | 43.969 | 1.545 | 0.0 | 46.817 | 1.231 | 0.0 | 40.913 | 1.51  |
| 94  | 17586 | 17587 | NS | 1 | 0.0   | 49.369 | 1.359 | 0.0 | 49.306 | 1.683 | 0.0 | 46.206 | 1.302 | 0.0 | 45.841 | 1.703 | 0.0   | 50.383 | 1.35  | 0.0 | 47.003 | 1.581 | 0.0 | 44.668 | 1.248 | 0.0 | 42.746 | 1.513 |
| 95  | 17586 | 17587 | SN | 1 | 0.0   | 44.86  | 4.982 | 0.0 | 49.498 | 5.763 | 0.0 | 45.994 | 5.484 | 0.0 | 45.1   | 6.65  | 0.0   | 44.932 | 5.157 | 0.0 | 47.247 | 5.753 | 0.0 | 46.545 | 5.75  | 0.0 | 46.713 | 6.881 |
| 96  | 17586 | 17587 | NS | 1 | 0.186 | 47.669 | 4.398 | 0.0 | 48.856 | 5.582 | 0.0 | 46.86  | 4.184 | 0.0 | 49.954 | 5.179 | 0.775 | 47.503 | 4.428 | 0.0 | 51.001 | 5.104 | 0.0 | 46.239 | 4.198 | 0.0 | 48.889 | 4.809 |
| 97  | 17586 | 17587 | SN | 1 | 0.0   | 44.86  | 4.911 | 0.0 | 49.498 | 5.676 | 0.0 | 45.994 | 5.405 | 0.0 | 45.1   | 6.555 | 0.0   | 44.932 | 5.084 | 0.0 | 47.247 | 5.666 | 0.0 | 46.545 | 5.668 | 0.0 | 46.713 | 6.775 |
| 98  | 17586 | 17587 | SN | 1 | 0.0   | 44.86  | 4.911 | 0.0 | 49.498 | 5.676 | 0.0 | 45.994 | 5.405 | 0.0 | 45.1   | 6.555 | 0.0   | 44.932 | 5.084 | 0.0 | 47.247 | 5.666 | 0.0 | 46.545 | 5.668 | 0.0 | 46.713 | 6.775 |
| 99  | 17586 | 17587 | SN | 1 | 0.0   | 44.325 | 1.524 | 0.0 | 47.344 | 1.991 | 0.0 | 41.668 | 1.738 | 0.0 | 44.711 | 2.151 | 0.0   | 44.988 | 1.56  | 0.0 | 45.759 | 1.963 | 0.0 | 41.89  | 1.688 | 0.0 | 42.079 | 2.121 |
| 100 | 17586 | 17587 | SN | 1 | 0.0   | 44.325 | 1.524 | 0.0 | 47.344 | 1.991 | 0.0 | 41.668 | 1.738 | 0.0 | 44.711 | 2.151 | 0.0   | 44.988 | 1.56  | 0.0 | 45.759 | 1.963 | 0.0 | 41.89  | 1.688 | 0.0 | 42.079 | 2.121 |
| 101 | 17586 | 17587 | NS | 1 | 0.181 | 50.68  | 4.418 | 0.0 | 52.716 | 5.663 | 0.0 | 49.959 | 4.205 | 0.0 | 46.832 | 5.179 | 0.781 | 52.506 | 4.377 | 0.0 | 55.543 | 5.144 | 0.0 | 47.056 | 4.219 | 0.0 | 47.322 | 4.837 |
| 102 | 17586 | 17587 | SN | 1 | 0.0   | 44.325 | 1.545 | 0.0 | 47.344 | 2.019 | 0.0 | 41.668 | 1.763 | 0.0 | 44.711 | 2.18  | 0.0   | 44.988 | 1.582 | 0.0 | 45.759 | 1.991 | 0.0 | 41.89  | 1.713 | 0.0 | 42.079 | 2.151 |
| 103 | 17587 | 17588 | NS | 1 | 0.0   | 49.204 | 4.611 | 0.0 | 43.621 | 6.086 | 0.0 | 44.322 | 4.456 | 0.0 | 41.214 | 5.902 | 0.0   | 49.233 | 4.834 | 0.0 | 43.406 | 6.035 | 0.0 | 43.091 | 4.726 | 0.0 | 38.649 | 5.803 |

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

|     |       |       |    |   |       |        |       |     |        |        |     |        |       |     |        |        |       |        |       |     |        |        |     |        |       |     |        |        |
|-----|-------|-------|----|---|-------|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|--------|-------|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|--------|
| 104 | 17587 | 17588 | NS | 1 | 0.0   | 49.204 | 4.641 | 0.0 | 43.621 | 6.096  | 0.0 | 44.322 | 4.505 | 0.0 | 40.872 | 5.902  | 0.0   | 49.233 | 4.834 | 0.0 | 43.406 | 6.045  | 0.0 | 43.091 | 4.733 | 0.0 | 38.649 | 5.803  |
| 105 | 17587 | 17588 | SN | 1 | 0.0   | 47.635 | 4.893 | 0.0 | 53.308 | 5.76   | 0.0 | 48.602 | 5.274 | 0.0 | 42.181 | 7.111  | 0.0   | 47.836 | 5.098 | 0.0 | 52.138 | 5.585  | 0.0 | 49.027 | 5.195 | 0.0 | 42.5   | 6.527  |
| 106 | 17587 | 17588 | SN | 1 | 0.0   | 47.635 | 4.934 | 0.0 | 50.853 | 5.564  | 0.0 | 48.602 | 5.224 | 0.0 | 41.78  | 7.032  | 0.0   | 47.836 | 5.088 | 0.0 | 49.69  | 5.369  | 0.0 | 49.029 | 5.13  | 0.0 | 42.5   | 6.426  |
| 107 | 17587 | 17588 | SN | 1 | 0.0   | 47.635 | 4.87  | 0.0 | 50.853 | 5.494  | 0.0 | 48.602 | 5.156 | 0.0 | 41.78  | 6.956  | 0.0   | 47.836 | 5.022 | 0.0 | 49.69  | 5.301  | 0.0 | 49.029 | 5.063 | 0.0 | 42.5   | 6.351  |
| 108 | 17587 | 17588 | NS | 1 | 0.0   | 43.808 | 1.271 | 0.0 | 44.543 | 1.791  | 0.0 | 37.195 | 1.373 | 0.0 | 47.802 | 1.988  | 0.0   | 43.599 | 1.282 | 0.0 | 42.188 | 1.754  | 0.0 | 36.635 | 1.398 | 0.0 | 47.877 | 1.899  |
| 109 | 17587 | 17588 | NS | 1 | 0.0   | 43.808 | 1.273 | 0.0 | 44.543 | 1.788  | 0.0 | 37.195 | 1.369 | 0.0 | 47.802 | 1.997  | 0.0   | 43.599 | 1.28  | 0.0 | 42.188 | 1.75   | 0.0 | 36.635 | 1.398 | 0.0 | 47.877 | 1.903  |
| 110 | 17587 | 17588 | SN | 1 | 0.0   | 41.232 | 1.31  | 0.0 | 43.506 | 1.795  | 0.0 | 43.109 | 1.63  | 0.0 | 41.013 | 2.435  | 0.0   | 40.486 | 1.322 | 0.0 | 44.783 | 1.685  | 0.0 | 40.366 | 1.594 | 0.0 | 37.452 | 2.208  |
| 111 | 17587 | 17588 | SN | 1 | 0.0   | 41.224 | 1.288 | 0.0 | 43.789 | 1.781  | 0.0 | 43.396 | 1.603 | 0.0 | 42.36  | 2.437  | 0.0   | 40.478 | 1.285 | 0.0 | 45.066 | 1.68   | 0.0 | 40.654 | 1.599 | 0.0 | 37.614 | 2.195  |
| 112 | 17587 | 17588 | SN | 1 | 0.0   | 41.224 | 1.271 | 0.0 | 43.789 | 1.761  | 0.0 | 43.396 | 1.583 | 0.0 | 42.36  | 2.413  | 0.0   | 40.478 | 1.269 | 0.0 | 45.066 | 1.661  | 0.0 | 40.654 | 1.578 | 0.0 | 37.614 | 2.17   |
| 113 | 17588 | 17589 | NS | 1 | 0.0   | 46.367 | 0.875 | 0.0 | 49.98  | 1.04   | 0.0 | 43.867 | 0.979 | 0.0 | 37.092 | 1.365  | 0.0   | 46.39  | 0.843 | 0.0 | 47.911 | 0.961  | 0.0 | 42.35  | 0.984 | 0.0 | 41.193 | 1.251  |
| 114 | 17588 | 17589 | SN | 1 | 0.0   | 46.641 | 1.149 | 0.0 | 41.535 | 1.555  | 0.0 | 43.177 | 1.484 | 0.0 | 40.052 | 2.189  | 0.0   | 46.88  | 1.124 | 0.0 | 42.131 | 1.329  | 0.0 | 43.393 | 1.371 | 0.0 | 39.499 | 1.761  |
| 115 | 17588 | 17589 | NS | 1 | 0.0   | 46.797 | 3.006 | 0.0 | 51.127 | 3.79   | 0.0 | 42.878 | 3.473 | 0.0 | 38.007 | 4.528  | 0.0   | 47.44  | 3.128 | 0.0 | 50.077 | 3.627  | 0.0 | 44.205 | 3.452 | 0.0 | 36.971 | 4.201  |
| 116 | 17588 | 17589 | SN | 1 | 0.0   | 49.377 | 4.172 | 0.0 | 41.696 | 4.479  | 0.0 | 44.752 | 4.319 | 0.0 | 41.746 | 5.653  | 0.0   | 49.262 | 4.06  | 0.0 | 42.003 | 3.95   | 0.0 | 45.032 | 4.248 | 0.0 | 40.217 | 4.855  |
| 117 | 17589 | 17590 | SN | 1 | 0.0   | 51.988 | 1.025 | 0.0 | 41.744 | 1.452  | 0.0 | 36.406 | 1.494 | 0.0 | 40.491 | 1.898  | 0.0   | 53.559 | 1.032 | 0.0 | 41.971 | 1.315  | 0.0 | 36.5   | 1.408 | 0.0 | 37.06  | 1.608  |
| 118 | 17589 | 17590 | NS | 1 | 0.0   | 49.28  | 2.295 | 0.0 | 40.027 | 2.724  | 0.0 | 37.945 | 2.477 | 0.0 | 42.137 | 3.12   | 0.0   | 49.441 | 2.285 | 0.0 | 40.534 | 2.521  | 0.0 | 38.767 | 2.533 | 0.0 | 43.419 | 2.707  |
| 119 | 17589 | 17590 | NS | 1 | 0.0   | 48.74  | 2.295 | 0.0 | 39.984 | 2.785  | 0.0 | 39.696 | 2.42  | 0.0 | 42.137 | 3.048  | 0.0   | 49.441 | 2.316 | 0.0 | 40.494 | 2.562  | 0.0 | 39.164 | 2.441 | 0.0 | 43.419 | 2.642  |
| 120 | 17589 | 17590 | SN | 1 | 0.0   | 51.988 | 1.001 | 0.0 | 41.744 | 1.412  | 0.0 | 36.406 | 1.455 | 0.0 | 41.003 | 1.865  | 0.0   | 53.559 | 1.001 | 0.0 | 41.971 | 1.278  | 0.0 | 36.5   | 1.364 | 0.0 | 37.06  | 1.57   |
| 121 | 17589 | 17590 | SN | 1 | 0.0   | 40.739 | 3.362 | 0.0 | 48.41  | 4.102  | 0.0 | 38.608 | 4.546 | 0.0 | 43.031 | 4.987  | 0.0   | 41.94  | 3.291 | 0.0 | 45.848 | 3.929  | 0.0 | 38.068 | 4.34  | 0.0 | 44.844 | 4.525  |
| 122 | 17589 | 17590 | NS | 1 | 0.0   | 49.601 | 0.513 | 0.0 | 47.429 | 0.678  | 0.0 | 38.417 | 0.675 | 0.0 | 40.683 | 0.934  | 0.0   | 49.58  | 0.529 | 0.0 | 45.375 | 0.622  | 0.0 | 39.063 | 0.666 | 0.0 | 37.318 | 0.824  |
| 123 | 17589 | 17590 | SN | 1 | 0.0   | 40.739 | 3.47  | 0.0 | 48.41  | 4.22   | 0.0 | 38.608 | 4.674 | 0.0 | 42.122 | 5.102  | 0.0   | 41.94  | 3.397 | 0.0 | 45.848 | 4.042  | 0.0 | 38.068 | 4.448 | 0.0 | 44.844 | 4.627  |
| 124 | 17589 | 17590 | NS | 1 | 0.0   | 49.601 | 0.507 | 0.0 | 48.149 | 0.685  | 0.0 | 40.986 | 0.661 | 0.0 | 43.095 | 0.934  | 0.0   | 49.58  | 0.534 | 0.0 | 46.094 | 0.626  | 0.0 | 41.633 | 0.668 | 0.0 | 38.804 | 0.826  |
| 125 | 17590 | 17591 | SN | 1 | 0.0   | 42.781 | 1.487 | 0.0 | 43.279 | 1.957  | 0.0 | 37.021 | 1.589 | 0.0 | 39.054 | 2.365  | 0.0   | 42.629 | 1.498 | 0.0 | 45.707 | 1.863  | 0.0 | 35.835 | 1.567 | 0.0 | 38.277 | 2.235  |
| 126 | 17590 | 17591 | SN | 1 | 0.0   | 49.617 | 5.176 | 0.0 | 51.384 | 6.039  | 0.0 | 40.963 | 5.621 | 0.0 | 46.763 | 6.987  | 0.0   | 49.087 | 5.387 | 0.0 | 54.143 | 6.06   | 0.0 | 41.973 | 5.599 | 0.0 | 44.445 | 6.868  |
| 127 | 17590 | 17591 | SN | 1 | 0.0   | 42.781 | 1.424 | 0.0 | 43.279 | 1.882  | 0.0 | 39.286 | 1.518 | 0.0 | 39.006 | 2.291  | 0.0   | 42.629 | 1.435 | 0.0 | 45.707 | 1.792  | 0.0 | 41.621 | 1.5   | 0.0 | 38.277 | 2.145  |
| 128 | 17590 | 17591 | NS | 1 | 0.948 | 46.252 | 3.961 | 0.0 | 49.744 | 4.647  | 0.0 | 50.95  | 3.614 | 0.0 | 43.208 | 4.645  | 0.937 | 48.288 | 3.849 | 0.0 | 50.1   | 4.352  | 0.0 | 50.213 | 3.55  | 0.0 | 41.335 | 4.146  |
| 129 | 17590 | 17591 | NS | 1 | 1.015 | 51.552 | 3.91  | 0.0 | 48.918 | 4.687  | 0.0 | 46.071 | 3.657 | 0.0 | 42.017 | 4.553  | 0.937 | 52.415 | 3.859 | 0.0 | 50.043 | 4.372  | 0.0 | 45.335 | 3.55  | 0.0 | 41.626 | 3.969  |
| 130 | 17590 | 17591 | NS | 1 | 0.0   | 41.583 | 1.158 | 0.0 | 42.892 | 1.314  | 0.0 | 48.435 | 1.071 | 0.0 | 41.788 | 1.556  | 0.0   | 42.354 | 1.171 | 0.0 | 40.94  | 1.185  | 0.0 | 46.382 | 1.021 | 0.0 | 42.655 | 1.293  |
| 131 | 17590 | 17591 | NS | 1 | 0.0   | 39.393 | 1.151 | 0.0 | 46.22  | 1.341  | 0.0 | 43.548 | 1.055 | 0.0 | 39.679 | 1.56   | 0.0   | 39.89  | 1.137 | 0.0 | 44.01  | 1.208  | 0.0 | 43.134 | 1.023 | 0.0 | 39.914 | 1.316  |
| 132 | 17590 | 17591 | SN | 1 | 0.0   | 49.617 | 4.95  | 0.0 | 51.384 | 5.799  | 0.0 | 41.679 | 5.418 | 0.0 | 46.763 | 6.747  | 0.0   | 49.087 | 5.152 | 0.0 | 54.143 | 5.809  | 0.0 | 41.973 | 5.396 | 0.0 | 44.445 | 6.612  |
| 133 | 17590 | 17591 | SN | 1 | 0.0   | 49.617 | 4.95  | 0.0 | 51.384 | 5.799  | 0.0 | 40.963 | 5.425 | 0.0 | 46.763 | 6.747  | 0.0   | 49.087 | 5.152 | 0.0 | 54.143 | 5.809  | 0.0 | 41.973 | 5.389 | 0.0 | 44.445 | 6.612  |
| 134 | 17590 | 17591 | SN | 1 | 0.0   | 42.781 | 1.424 | 0.0 | 43.279 | 1.882  | 0.0 | 37.021 | 1.521 | 0.0 | 39.054 | 2.293  | 0.0   | 42.629 | 1.433 | 0.0 | 45.707 | 1.792  | 0.0 | 38.385 | 1.502 | 0.0 | 38.277 | 2.142  |
| 135 | 17591 | 17592 | SN | 1 | 0.0   | 46.387 | 7.064 | 0.0 | 54.417 | 13.292 | 0.0 | 48.489 | 9.117 | 0.0 | 47.412 | 13.198 | 0.0   | 46.676 | 7.351 | 0.0 | 55.083 | 13.774 | 0.0 | 49.443 | 9.138 | 0.0 | 48.933 | 13.845 |
| 136 | 17591 | 17592 | SN | 1 | 0.0   | 48.485 | 2.422 | 0.0 | 56.981 | 5.184  | 0.0 | 42.128 | 3.074 | 0.0 | 46.52  | 5.067  | 0.0   | 49.011 | 2.435 | 0.0 | 55.601 | 5.677  | 0.0 | 43.218 | 3.2   | 0.0 | 48.022 | 5.865  |
| 137 | 17591 | 17592 | SN | 1 | 0.0   | 47.239 | 6.617 | 0.0 | 56.752 | 12.15  | 0.0 | 41.523 | 8.228 | 0.0 | 47.564 | 12.149 | 0.0   | 48.406 | 6.727 | 0.0 | 56.195 | 12.854 | 0.0 | 41.545 | 8.334 | 0.0 | 52.098 | 12.829 |
| 138 | 17591 | 17592 | NS | 1 | 0.0   | 47.25  | 5.673 | 0.0 | 51.789 | 7.123  | 0.0 | 43.366 | 5.654 | 0.0 | 48.081 | 6.573  | 0.0   | 47.682 | 5.684 | 0.0 | 50.143 | 6.654  | 0.0 | 42.21  | 5.526 | 0.0 | 44.799 | 5.853  |
| 139 | 17591 | 17592 | NS | 1 | 0.0   | 46.419 | 5.525 | 0.0 | 51.526 | 6.711  | 0.0 | 42.906 | 5.514 | 0.0 | 46.922 | 6.541  | 0.0   | 47.254 | 5.474 | 0.0 | 50.066 | 6.172  | 0.0 | 41.875 | 5.35  | 0.0 | 44.568 | 5.664  |

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

|     |       |       |    |   |       |        |       |     |        |        |     |        |       |     |        |        |       |        |       |     |        |        |     |        |       |     |        |       |
|-----|-------|-------|----|---|-------|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|--------|-------|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|-------|
| 140 | 17591 | 17592 | NS | 1 | 0.0   | 40.241 | 1.646 | 0.0 | 50.152 | 2.059  | 0.0 | 42.337 | 1.726 | 0.0 | 42.541 | 2.188  | 0.0   | 40.937 | 1.601 | 0.0 | 50.658 | 1.799  | 0.0 | 42.663 | 1.627 | 0.0 | 39.107 | 1.762 |
| 141 | 17591 | 17592 | SN | 1 | 0.0   | 46.387 | 6.631 | 0.0 | 56.213 | 12.177 | 0.0 | 42.402 | 8.228 | 0.0 | 46.243 | 12.052 | 0.0   | 46.676 | 6.755 | 0.0 | 55.656 | 12.799 | 0.0 | 43.506 | 8.353 | 0.0 | 48.933 | 12.8  |
| 142 | 17591 | 17592 | SN | 1 | 0.0   | 46.767 | 2.648 | 0.0 | 50.663 | 5.552  | 0.0 | 41.269 | 3.371 | 0.0 | 47.306 | 5.455  | 0.0   | 48.605 | 2.648 | 0.0 | 52.752 | 6.101  | 0.0 | 42.358 | 3.483 | 0.0 | 49.631 | 6.298 |
| 143 | 17591 | 17592 | SN | 1 | 0.0   | 46.767 | 2.435 | 0.0 | 56.441 | 5.194  | 0.0 | 41.269 | 3.091 | 0.0 | 47.306 | 5.074  | 0.0   | 49.155 | 2.438 | 0.0 | 55.061 | 5.681  | 0.0 | 42.358 | 3.195 | 0.0 | 49.631 | 5.87  |
| 144 | 17591 | 17592 | NS | 1 | 0.0   | 52.811 | 1.656 | 0.0 | 49.592 | 2.154  | 0.0 | 42.112 | 1.658 | 0.0 | 39.41  | 2.243  | 0.0   | 53.286 | 1.641 | 0.0 | 45.974 | 1.984  | 0.0 | 39.876 | 1.551 | 0.0 | 39.662 | 1.903 |
| 145 | 17592 | 17593 | SN | 1 | 0.0   | 49.956 | 6.395 | 0.0 | 50.158 | 7.246  | 0.0 | 46.002 | 5.196 | 0.0 | 46.053 | 6.66   | 0.0   | 51.062 | 6.583 | 0.0 | 50.577 | 6.735  | 0.0 | 46.2   | 4.963 | 0.0 | 46.383 | 5.826 |
| 146 | 17592 | 17593 | NS | 1 | 0.0   | 44.021 | 3.666 | 0.0 | 45.2   | 5.028  | 0.0 | 44.312 | 3.836 | 0.0 | 41.509 | 5.027  | 0.0   | 45.251 | 3.738 | 0.0 | 47.305 | 4.785  | 0.0 | 45.466 | 3.751 | 0.0 | 42.372 | 4.507 |
| 147 | 17592 | 17593 | SN | 1 | 0.0   | 50.868 | 1.607 | 0.0 | 45.115 | 1.942  | 0.0 | 44.286 | 1.213 | 0.0 | 48.35  | 1.592  | 0.0   | 50.907 | 1.634 | 0.0 | 43.561 | 1.829  | 0.0 | 43.502 | 1.199 | 0.0 | 48.613 | 1.374 |
| 148 | 17592 | 17593 | SN | 1 | 0.0   | 54.41  | 1.609 | 0.0 | 43.772 | 1.939  | 0.0 | 44.509 | 1.206 | 0.0 | 49.136 | 1.598  | 0.0   | 54.447 | 1.622 | 0.0 | 44.218 | 1.835  | 0.0 | 41.987 | 1.205 | 0.0 | 44.99  | 1.36  |
| 149 | 17592 | 17593 | SN | 1 | 0.0   | 50.237 | 5.842 | 0.0 | 50.158 | 6.621  | 0.0 | 46.002 | 4.787 | 0.0 | 46.053 | 6.18   | 0.0   | 51.346 | 6.015 | 0.0 | 50.577 | 6.154  | 0.0 | 46.2   | 4.567 | 0.0 | 46.383 | 5.354 |
| 150 | 17592 | 17593 | SN | 1 | 0.0   | 52.326 | 5.913 | 0.0 | 50.527 | 6.61   | 0.0 | 45.049 | 4.737 | 0.0 | 41.053 | 6.059  | 0.0   | 53.773 | 6.085 | 0.0 | 50.946 | 6.154  | 0.0 | 46.173 | 4.666 | 0.0 | 42.421 | 5.318 |
| 151 | 17592 | 17593 | SN | 1 | 0.0   | 51.229 | 1.753 | 0.0 | 45.115 | 2.124  | 0.0 | 52.225 | 1.322 | 0.0 | 48.35  | 1.715  | 0.0   | 51.268 | 1.783 | 0.0 | 43.561 | 2.001  | 0.0 | 51.397 | 1.314 | 0.0 | 48.613 | 1.493 |
| 152 | 17592 | 17593 | NS | 1 | 0.0   | 39.459 | 0.986 | 0.0 | 48.18  | 1.384  | 0.0 | 40.179 | 1.068 | 0.0 | 43.064 | 1.69   | 0.0   | 39.772 | 1.002 | 0.0 | 45.511 | 1.207  | 0.0 | 38.489 | 1.048 | 0.0 | 40.811 | 1.395 |
| 153 | 17593 | 17594 | NS | 1 | 0.0   | 48.553 | 5.119 | 0.0 | 46.644 | 6.191  | 0.0 | 43.386 | 5.237 | 0.0 | 50.777 | 6.353  | 0.0   | 47.802 | 5.241 | 0.0 | 47.453 | 5.947  | 0.0 | 40.861 | 5.394 | 0.0 | 50.922 | 6.432 |
| 154 | 17593 | 17594 | NS | 1 | 0.0   | 42.428 | 1.445 | 0.0 | 56.776 | 1.997  | 0.0 | 37.512 | 1.412 | 0.0 | 53.811 | 2.081  | 0.0   | 42.189 | 1.463 | 0.0 | 55.051 | 1.981  | 0.0 | 37.884 | 1.453 | 0.0 | 52.137 | 2.04  |
| 155 | 17593 | 17594 | NS | 1 | 0.0   | 49.337 | 5.149 | 0.0 | 46.644 | 6.322  | 0.0 | 43.28  | 5.223 | 0.0 | 43.585 | 6.375  | 0.0   | 49.859 | 5.22  | 0.0 | 47.338 | 6.068  | 0.0 | 40.799 | 5.415 | 0.0 | 41.49  | 6.553 |
| 156 | 17593 | 17594 | NS | 1 | 0.0   | 44.628 | 1.465 | 0.0 | 56.747 | 1.999  | 0.0 | 38.526 | 1.473 | 0.0 | 56.693 | 2.072  | 0.0   | 44.235 | 1.481 | 0.0 | 55.018 | 2.029  | 0.0 | 38.902 | 1.506 | 0.0 | 55.018 | 2.029 |
| 157 | 17593 | 17594 | SN | 1 | 0.0   | 43.565 | 1.18  | 0.0 | 49.396 | 1.703  | 0.0 | 42.587 | 1.146 | 0.0 | 49.521 | 1.474  | 0.0   | 44.076 | 1.169 | 0.0 | 48.401 | 1.54   | 0.0 | 38.581 | 1.089 | 0.0 | 45.728 | 1.29  |
| 158 | 17593 | 17594 | SN | 1 | 0.0   | 43.565 | 1.18  | 0.0 | 49.396 | 1.703  | 0.0 | 42.587 | 1.146 | 0.0 | 49.521 | 1.474  | 0.0   | 44.076 | 1.169 | 0.0 | 48.401 | 1.54   | 0.0 | 38.581 | 1.089 | 0.0 | 45.728 | 1.29  |
| 159 | 17593 | 17594 | SN | 1 | 0.0   | 53.59  | 4.949 | 0.0 | 49.045 | 5.533  | 0.0 | 48.466 | 4.189 | 0.0 | 43.735 | 4.731  | 0.0   | 55.361 | 5.04  | 0.0 | 49.291 | 5.279  | 0.0 | 49.207 | 4.005 | 0.0 | 44.94  | 4.297 |
| 160 | 17593 | 17594 | SN | 1 | 0.0   | 53.59  | 4.949 | 0.0 | 49.045 | 5.533  | 0.0 | 48.466 | 4.189 | 0.0 | 43.735 | 4.731  | 0.0   | 55.361 | 5.04  | 0.0 | 49.291 | 5.279  | 0.0 | 49.207 | 4.005 | 0.0 | 44.94  | 4.297 |
| 161 | 17594 | 17595 | NS | 1 | 0.0   | 50.525 | 1.467 | 0.0 | 40.148 | 1.826  | 0.0 | 41.873 | 1.719 | 0.0 | 43.205 | 2.367  | 0.0   | 48.909 | 1.436 | 0.0 | 40.575 | 1.658  | 0.0 | 39.932 | 1.616 | 0.0 | 38.874 | 2.037 |
| 162 | 17594 | 17595 | SN | 1 | 0.0   | 43.07  | 0.851 | 0.0 | 36.755 | 1.105  | 0.0 | 35.351 | 1.045 | 0.0 | 39.554 | 1.462  | 0.0   | 44.063 | 0.822 | 0.0 | 35.344 | 0.971  | 0.0 | 33.556 | 0.939 | 0.0 | 38.424 | 1.228 |
| 163 | 17594 | 17595 | NS | 1 | 0.0   | 50.352 | 1.467 | 0.0 | 47.132 | 1.855  | 0.0 | 38.135 | 1.696 | 0.0 | 37.832 | 2.363  | 0.0   | 48.734 | 1.465 | 0.0 | 48.299 | 1.674  | 0.0 | 40.156 | 1.605 | 0.0 | 36.389 | 2.051 |
| 164 | 17594 | 17595 | NS | 1 | 0.959 | 47.272 | 5.637 | 0.0 | 42.926 | 6.69   | 0.0 | 38.143 | 5.208 | 0.0 | 48.48  | 6.747  | 0.57  | 49.216 | 5.657 | 0.0 | 42.896 | 6.182  | 0.0 | 37.065 | 5.229 | 0.0 | 44.597 | 6.049 |
| 165 | 17594 | 17595 | SN | 1 | 0.0   | 40.954 | 3.086 | 0.0 | 55.064 | 3.523  | 0.0 | 50.571 | 3.119 | 0.0 | 45.177 | 4.504  | 0.0   | 40.882 | 3.107 | 0.0 | 52.566 | 3.198  | 0.0 | 48.899 | 2.942 | 0.0 | 41.634 | 4.198 |
| 166 | 17594 | 17595 | NS | 1 | 1.098 | 47.27  | 5.637 | 0.0 | 42.869 | 6.609  | 0.0 | 45.904 | 5.137 | 0.0 | 38.902 | 6.812  | 0.555 | 49.215 | 5.606 | 0.0 | 42.835 | 6.152  | 0.0 | 42.563 | 5.158 | 0.0 | 41.379 | 5.971 |
| 167 | 17595 | 17596 | NS | 1 | 0.0   | 38.406 | 0.683 | 0.0 | 41.37  | 1.127  | 0.0 | 42.761 | 0.872 | 0.0 | 37.456 | 1.282  | 0.0   | 38.534 | 0.628 | 0.0 | 42.547 | 0.958  | 0.0 | 40.832 | 0.787 | 0.0 | 38.395 | 1.014 |
| 168 | 17595 | 17596 | SN | 1 | 0.0   | 41.978 | 4.395 | 0.0 | 44.181 | 5.301  | 0.0 | 45.137 | 4.398 | 0.0 | 39.042 | 5.252  | 0.0   | 42.587 | 4.365 | 0.0 | 42.819 | 5.097  | 0.0 | 43.692 | 4.433 | 0.0 | 39.56  | 5.224 |
| 169 | 17595 | 17596 | SN | 1 | 0.0   | 44.025 | 1.03  | 0.0 | 41.517 | 1.487  | 0.0 | 38.452 | 1.272 | 0.0 | 40.454 | 1.76   | 0.0   | 45.333 | 1.05  | 0.0 | 39.321 | 1.419  | 0.0 | 35.611 | 1.334 | 0.0 | 40.924 | 1.682 |
| 170 | 17595 | 17596 | NS | 1 | 0.0   | 36.059 | 2.153 | 0.0 | 41.969 | 3.442  | 0.0 | 44.594 | 2.981 | 0.0 | 43.895 | 3.508  | 0.0   | 37.072 | 2.183 | 0.0 | 42.29  | 3.128  | 0.0 | 43.481 | 2.775 | 0.0 | 45.344 | 3.138 |
| 171 | 17595 | 17596 | SN | 1 | 0.0   | 41.97  | 4.405 | 0.0 | 44.181 | 5.29   | 0.0 | 45.137 | 4.377 | 0.0 | 39.042 | 5.245  | 0.0   | 42.579 | 4.385 | 0.0 | 42.819 | 5.128  | 0.0 | 43.692 | 4.433 | 0.0 | 39.56  | 5.217 |
| 172 | 17595 | 17596 | NS | 1 | 0.0   | 38.707 | 0.667 | 0.0 | 41.531 | 1.1    | 0.0 | 41.071 | 0.891 | 0.0 | 44.569 | 1.287  | 0.0   | 38.835 | 0.631 | 0.0 | 42.547 | 0.953  | 0.0 | 41.505 | 0.797 | 0.0 | 42.463 | 1.0   |
| 173 | 17595 | 17596 | SN | 1 | 0.0   | 44.025 | 1.03  | 0.0 | 41.517 | 1.485  | 0.0 | 38.452 | 1.269 | 0.0 | 40.454 | 1.766  | 0.0   | 45.333 | 1.048 | 0.0 | 39.321 | 1.417  | 0.0 | 36.107 | 1.334 | 0.0 | 40.924 | 1.684 |
| 174 | 17595 | 17596 | NS | 1 | 0.0   | 37.97  | 2.234 | 0.0 | 47.081 | 3.412  | 0.0 | 42.956 | 2.967 | 0.0 | 41.085 | 3.472  | 0.0   | 37.52  | 2.244 | 0.0 | 47.403 | 3.097  | 0.0 | 45.327 | 2.775 | 0.0 | 40.746 | 3.173 |
| 175 | 17596 | 17597 | NS | 1 | 0.0   | 43.933 | 3.261 | 0.0 | 44.762 | 4.644  | 0.0 | 37.823 | 3.945 | 0.0 | 43.355 | 4.824  | 0.0   | 43.843 | 3.261 | 0.0 | 44.273 | 4.2    | 0.0 | 38.97  | 3.807 | 0.0 | 44.018 | 4.462 |

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

|     |       |       |    |   |       |        |       |     |        |       |     |        |       |     |        |       |       |        |       |     |        |       |     |        |       |     |        |       |
|-----|-------|-------|----|---|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 176 | 17596 | 17597 | NS | 1 | 0.0   | 49.571 | 3.339 | 0.0 | 44.182 | 4.573 | 0.0 | 45.619 | 3.926 | 0.0 | 44.917 | 4.785 | 0.0   | 50.197 | 3.288 | 0.0 | 43.275 | 4.126 | 0.0 | 43.974 | 3.89  | 0.0 | 47.545 | 4.4   |
| 177 | 17596 | 17597 | NS | 1 | 0.0   | 39.116 | 1.019 | 0.0 | 39.179 | 1.38  | 0.0 | 35.764 | 1.311 | 0.0 | 43.701 | 1.855 | 0.0   | 39.919 | 0.982 | 0.0 | 39.34  | 1.228 | 0.0 | 34.315 | 1.243 | 0.0 | 43.401 | 1.511 |
| 178 | 17596 | 17597 | NS | 1 | 0.0   | 49.519 | 3.329 | 0.0 | 44.182 | 4.644 | 0.0 | 46.311 | 3.933 | 0.0 | 44.919 | 4.799 | 0.0   | 50.148 | 3.288 | 0.0 | 43.118 | 4.167 | 0.0 | 43.974 | 3.912 | 0.0 | 47.545 | 4.408 |
| 179 | 17596 | 17597 | SN | 1 | 0.0   | 50.132 | 4.172 | 0.0 | 46.877 | 5.128 | 0.0 | 43.675 | 4.483 | 0.0 | 42.713 | 6.135 | 0.0   | 51.483 | 4.354 | 0.0 | 45.071 | 4.986 | 0.0 | 44.864 | 4.412 | 0.0 | 41.568 | 5.936 |
| 180 | 17596 | 17597 | NS | 1 | 0.0   | 42.23  | 1.028 | 0.0 | 39.179 | 1.369 | 0.0 | 37.696 | 1.266 | 0.0 | 41.47  | 1.821 | 0.0   | 41.736 | 0.994 | 0.0 | 39.334 | 1.206 | 0.0 | 39.246 | 1.189 | 0.0 | 37.672 | 1.498 |
| 181 | 17596 | 17597 | NS | 1 | 0.0   | 42.027 | 1.026 | 0.0 | 39.676 | 1.355 | 0.0 | 37.696 | 1.267 | 0.0 | 49.838 | 1.812 | 0.0   | 41.534 | 0.994 | 0.0 | 39.832 | 1.206 | 0.0 | 39.246 | 1.186 | 0.0 | 49.538 | 1.486 |
| 182 | 17596 | 17597 | SN | 1 | 0.0   | 50.132 | 4.172 | 0.0 | 46.877 | 5.128 | 0.0 | 43.675 | 4.483 | 0.0 | 42.713 | 6.135 | 0.0   | 51.483 | 4.354 | 0.0 | 45.071 | 4.986 | 0.0 | 44.864 | 4.412 | 0.0 | 41.568 | 5.936 |
| 183 | 17596 | 17597 | SN | 1 | 0.0   | 51.234 | 1.186 | 0.0 | 43.956 | 1.568 | 0.0 | 42.959 | 1.242 | 0.0 | 47.969 | 1.863 | 0.0   | 53.106 | 1.183 | 0.0 | 46.799 | 1.543 | 0.0 | 42.118 | 1.226 | 0.0 | 45.278 | 1.718 |
| 184 | 17596 | 17597 | SN | 1 | 0.0   | 51.234 | 1.186 | 0.0 | 43.956 | 1.568 | 0.0 | 42.959 | 1.242 | 0.0 | 47.969 | 1.863 | 0.0   | 53.106 | 1.183 | 0.0 | 46.799 | 1.543 | 0.0 | 42.118 | 1.226 | 0.0 | 45.278 | 1.718 |
| 185 | 17597 | 17598 | NS | 1 | 0.0   | 43.596 | 1.55  | 0.0 | 41.132 | 1.978 | 0.0 | 39.702 | 1.622 | 0.0 | 40.739 | 2.321 | 0.0   | 42.801 | 1.503 | 0.0 | 41.557 | 1.852 | 0.0 | 38.803 | 1.601 | 0.0 | 38.701 | 2.032 |
| 186 | 17597 | 17598 | NS | 1 | 0.0   | 43.596 | 1.55  | 0.0 | 41.132 | 1.978 | 0.0 | 39.702 | 1.622 | 0.0 | 40.739 | 2.321 | 0.0   | 42.801 | 1.503 | 0.0 | 41.557 | 1.852 | 0.0 | 38.803 | 1.601 | 0.0 | 38.701 | 2.032 |
| 187 | 17597 | 17598 | SN | 1 | 0.0   | 45.918 | 1.327 | 0.0 | 46.017 | 1.747 | 0.0 | 38.449 | 1.526 | 0.0 | 41.467 | 1.784 | 0.0   | 46.475 | 1.316 | 0.0 | 46.174 | 1.614 | 0.0 | 41.312 | 1.477 | 0.0 | 38.61  | 1.644 |
| 188 | 17597 | 17598 | SN | 1 | 0.0   | 45.918 | 1.327 | 0.0 | 46.017 | 1.747 | 0.0 | 38.449 | 1.526 | 0.0 | 41.467 | 1.784 | 0.0   | 46.475 | 1.316 | 0.0 | 46.174 | 1.614 | 0.0 | 41.312 | 1.477 | 0.0 | 38.61  | 1.644 |
| 189 | 17597 | 17598 | SN | 1 | 0.93  | 49.816 | 3.919 | 0.0 | 52.603 | 4.611 | 0.0 | 51.148 | 4.808 | 0.0 | 47.997 | 5.326 | 0.66  | 49.271 | 3.959 | 0.0 | 51.867 | 4.469 | 0.0 | 49.134 | 4.85  | 0.0 | 47.655 | 5.176 |
| 190 | 17597 | 17598 | SN | 1 | 0.93  | 49.816 | 3.919 | 0.0 | 52.603 | 4.611 | 0.0 | 51.148 | 4.808 | 0.0 | 47.997 | 5.326 | 0.66  | 49.271 | 3.959 | 0.0 | 51.867 | 4.469 | 0.0 | 49.134 | 4.85  | 0.0 | 47.655 | 5.176 |
| 191 | 17597 | 17598 | NS | 1 | 0.0   | 50.463 | 5.704 | 0.0 | 44.47  | 6.89  | 0.0 | 42.6   | 5.512 | 0.0 | 42.021 | 6.9   | 0.0   | 51.515 | 5.673 | 0.0 | 46.045 | 6.514 | 0.0 | 43.066 | 5.484 | 0.0 | 42.34  | 6.43  |
| 192 | 17597 | 17598 | NS | 1 | 0.0   | 50.463 | 5.704 | 0.0 | 44.47  | 6.89  | 0.0 | 42.6   | 5.512 | 0.0 | 42.021 | 6.9   | 0.0   | 51.515 | 5.673 | 0.0 | 46.045 | 6.514 | 0.0 | 43.066 | 5.484 | 0.0 | 42.34  | 6.43  |
| 193 | 17598 | 17599 | NS | 1 | 0.0   | 47.881 | 1.546 | 0.0 | 40.796 | 2.018 | 0.0 | 40.112 | 1.789 | 0.0 | 38.285 | 2.259 | 0.0   | 46.784 | 1.526 | 0.0 | 41.078 | 1.939 | 0.0 | 40.122 | 1.787 | 0.0 | 36.649 | 2.1   |
| 194 | 17598 | 17599 | SN | 1 | 1.117 | 38.977 | 3.757 | 0.0 | 42.14  | 4.276 | 0.0 | 40.853 | 3.39  | 0.0 | 38.469 | 5.219 | 0.853 | 39.969 | 3.655 | 0.0 | 38.764 | 3.768 | 0.0 | 40.041 | 3.134 | 0.0 | 36.365 | 4.407 |
| 195 | 17598 | 17599 | NS | 1 | 0.0   | 55.412 | 5.078 | 0.0 | 53.737 | 6.73  | 0.0 | 45.432 | 5.173 | 0.0 | 44.843 | 6.097 | 0.0   | 55.85  | 5.078 | 0.0 | 54.002 | 6.445 | 0.0 | 47.678 | 5.279 | 0.0 | 46.095 | 5.727 |
| 196 | 17598 | 17599 | NS | 1 | 0.0   | 47.881 | 1.395 | 0.0 | 40.796 | 1.843 | 0.0 | 40.112 | 1.708 | 0.0 | 36.874 | 2.02  | 0.0   | 46.784 | 1.384 | 0.0 | 41.078 | 1.76  | 0.0 | 40.122 | 1.699 | 0.0 | 36.295 | 1.885 |
| 197 | 17598 | 17599 | SN | 1 | 1.117 | 39.043 | 3.726 | 0.0 | 46.139 | 4.235 | 0.0 | 38.772 | 3.361 | 0.0 | 39.948 | 5.368 | 0.856 | 40.037 | 3.645 | 0.0 | 42.762 | 3.738 | 0.0 | 37.958 | 3.07  | 0.0 | 36.536 | 4.429 |
| 198 | 17598 | 17599 | SN | 1 | 0.0   | 36.639 | 1.014 | 0.0 | 46.404 | 1.212 | 0.0 | 37.015 | 1.18  | 0.0 | 38.045 | 2.044 | 0.0   | 34.726 | 0.98  | 0.0 | 45.799 | 1.033 | 0.0 | 34.855 | 1.116 | 0.0 | 37.699 | 1.671 |
| 199 | 17598 | 17599 | NS | 1 | 0.0   | 55.412 | 5.41  | 0.0 | 53.737 | 7.486 | 0.0 | 45.432 | 5.48  | 0.0 | 44.843 | 6.662 | 0.0   | 55.85  | 5.5   | 0.0 | 54.002 | 7.184 | 0.0 | 47.678 | 5.684 | 0.0 | 46.095 | 6.278 |
| 200 | 17598 | 17599 | SN | 1 | 0.0   | 34.942 | 0.991 | 0.0 | 45.524 | 1.2   | 0.0 | 36.941 | 1.183 | 0.0 | 38.036 | 2.077 | 0.0   | 34.522 | 0.976 | 0.0 | 44.922 | 1.035 | 0.0 | 36.049 | 1.105 | 0.0 | 38.699 | 1.68  |
| 201 | 17599 | 17600 | SN | 1 | 0.0   | 45.606 | 0.737 | 0.0 | 48.331 | 0.967 | 0.0 | 46.39  | 0.9   | 0.0 | 44.131 | 1.385 | 0.0   | 45.628 | 0.699 | 0.0 | 46.184 | 0.856 | 0.0 | 42.434 | 0.856 | 0.0 | 44.312 | 1.087 |
| 202 | 17599 | 17600 | NS | 1 | 0.0   | 38.8   | 0.651 | 0.0 | 45.875 | 1.081 | 0.0 | 39.302 | 0.945 | 0.0 | 50.23  | 1.451 | 0.0   | 38.19  | 0.638 | 0.0 | 44.709 | 0.911 | 0.0 | 38.046 | 0.904 | 0.0 | 45.463 | 1.223 |
| 203 | 17599 | 17600 | NS | 1 | 0.0   | 41.269 | 2.539 | 0.0 | 53.016 | 3.934 | 0.0 | 45.24  | 2.918 | 0.0 | 46.783 | 4.288 | 0.0   | 41.775 | 2.59  | 0.0 | 52.881 | 3.507 | 0.0 | 45.315 | 2.839 | 0.0 | 46.158 | 3.818 |
| 204 | 17599 | 17600 | NS | 1 | 0.0   | 38.8   | 0.75  | 0.0 | 45.875 | 1.249 | 0.0 | 39.302 | 1.024 | 0.0 | 50.23  | 1.626 | 0.0   | 38.19  | 0.732 | 0.0 | 44.709 | 1.066 | 0.0 | 38.046 | 0.986 | 0.0 | 45.463 | 1.386 |
| 205 | 17599 | 17600 | NS | 1 | 0.0   | 41.269 | 2.81  | 0.0 | 53.016 | 4.4   | 0.0 | 45.24  | 3.165 | 0.0 | 46.783 | 4.845 | 0.0   | 41.775 | 2.881 | 0.0 | 52.881 | 3.935 | 0.0 | 45.315 | 3.082 | 0.0 | 46.158 | 4.259 |
| 206 | 17599 | 17600 | SN | 1 | 0.0   | 45.606 | 2.702 | 0.0 | 47.241 | 3.391 | 0.0 | 49.075 | 2.744 | 0.0 | 41.987 | 3.508 | 0.0   | 45.628 | 2.712 | 0.0 | 48.868 | 3.096 | 0.0 | 48.786 | 2.595 | 0.0 | 41.018 | 2.974 |
| 207 | 17599 | 17600 | SN | 1 | 0.0   | 45.606 | 0.689 | 0.0 | 48.331 | 0.899 | 0.0 | 46.39  | 0.831 | 0.0 | 44.131 | 1.293 | 0.0   | 45.628 | 0.653 | 0.0 | 46.184 | 0.797 | 0.0 | 42.434 | 0.792 | 0.0 | 44.312 | 1.015 |
| 208 | 17599 | 17600 | NS | 1 | 0.0   | 41.269 | 2.539 | 0.0 | 53.016 | 3.934 | 0.0 | 45.24  | 2.918 | 0.0 | 46.783 | 4.295 | 0.0   | 41.775 | 2.59  | 0.0 | 52.881 | 3.507 | 0.0 | 45.315 | 2.846 | 0.0 | 46.158 | 3.825 |
| 209 | 17599 | 17600 | NS | 1 | 0.0   | 38.8   | 0.651 | 0.0 | 45.875 | 1.081 | 0.0 | 39.302 | 0.949 | 0.0 | 50.23  | 1.451 | 0.0   | 38.19  | 0.64  | 0.0 | 44.709 | 0.909 | 0.0 | 38.046 | 0.902 | 0.0 | 45.463 | 1.225 |
| 210 | 17599 | 17600 | SN | 1 | 0.0   | 45.606 | 2.899 | 0.0 | 47.241 | 3.639 | 0.0 | 49.075 | 2.879 | 0.0 | 41.987 | 3.71  | 0.0   | 45.628 | 2.899 | 0.0 | 48.868 | 3.311 | 0.0 | 48.786 | 2.757 | 0.0 | 41.018 | 3.158 |

|                          |            |      |        |        |            |
|--------------------------|------------|------|--------|--------|------------|
| 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     | 17571       | 17572     | SN   | 1    | 0.794         | 29.434  | 13.325     | 0.0        | 27.382  | 13.056     | 0.0       | 153.913 | 11.152     | 0.0        | 65.022  | 14.005     | 0.108           | 1.428 | 0.0        | 0.0        | 1.785 | 0.0        | 0.0       | 1.839 | 0.0        | 0.0        | 2.136 | 0.0        |
| 2     | 17571       | 17572     | NS   | 1    | 0.0           | 25.794  | 10.146     | 0.0        | 30.332  | 14.065     | 0.0       | 267.797 | 9.693      | 0.0        | 37.618  | 11.999     | 0.0             | 1.403 | 0.0        | 0.0        | 1.781 | 0.0        | 0.0       | 1.843 | 0.0        | 0.0        | 2.135 | 0.0        |
| 3     | 17571       | 17572     | SN   | 1    | 0.0           | 29.434  | 13.358     | 0.0        | 27.382  | 12.748     | 0.0       | 153.913 | 11.289     | 0.0        | 18.773  | 13.556     | 0.0             | 1.428 | 0.0        | 0.0        | 1.785 | 0.0        | 0.0       | 1.839 | 0.0        | 0.0        | 2.136 | 0.0        |
| 4     | 17571       | 17572     | SN   | 1    | 0.0           | 23.345  | 6.027      | 0.0        | 26.582  | 7.591      | 0.0       | 138.724 | 2.945      | 0.0        | 69.914  | 4.311      | 0.0             | 1.416 | 0.0        | 0.0        | 1.782 | 0.0        | 0.0       | 1.845 | 0.0        | 0.0        | 2.139 | 0.0        |
| 5     | 17571       | 17572     | SN   | 1    | 0.0           | 23.345  | 6.042      | 0.0        | 24.647  | 7.562      | 0.0       | 138.724 | 2.983      | 0.0        | 14.234  | 4.158      | 0.0             | 1.416 | 0.0        | 0.0        | 1.782 | 0.0        | 0.0       | 1.845 | 0.0        | 0.0        | 2.139 | 0.0        |
| 6     | 17571       | 17572     | NS   | 1    | 0.0           | 25.711  | 6.004      | 0.0        | 24.575  | 6.562      | 0.0       | 349.218 | 2.19       | 0.0        | 41.704  | 2.872      | 0.0             | 1.426 | 0.0        | 0.0        | 1.779 | 0.0        | 0.0       | 1.844 | 0.0        | 0.0        | 2.137 | 0.0        |
| 7     | 17572       | 17573     | SN   | 1    | 0.0           | 23.378  | 6.032      | 0.0        | 26.516  | 7.591      | 0.0       | 176.706 | 2.953      | 0.0        | 68.16   | 4.357      | 0.0             | 1.415 | 0.0        | 0.0        | 1.783 | 0.0        | 0.0       | 1.844 | 0.0        | 0.0        | 2.139 | 0.0        |
| 8     | 17572       | 17573     | SN   | 1    | 0.0           | 29.621  | 13.335     | 0.0        | 217.652 | 13.137     | 0.0       | 179.353 | 11.225     | 0.0        | 67.774  | 14.026     | 0.0             | 1.427 | 0.0        | 0.0        | 1.785 | 0.0        | 0.0       | 1.839 | 0.0        | 0.0        | 2.137 | 0.0        |
| 9     | 17572       | 17573     | NS   | 1    | 0.0           | 26.836  | 10.116     | 0.0        | 30.178  | 13.994     | 0.0       | 352.974 | 9.643      | 0.0        | 38.754  | 11.942     | 0.0             | 1.397 | 0.0        | 0.0        | 1.781 | 0.0        | 0.0       | 1.843 | 0.0        | 0.0        | 2.134 | 0.0        |
| 10    | 17572       | 17573     | NS   | 1    | 0.711         | 26.836  | 10.125     | 0.0        | 30.217  | 14.063     | 0.0       | 352.974 | 9.634      | 0.0        | 73.747  | 12.037     | 0.001           | 1.402 | 0.0        | 0.0        | 1.781 | 0.0        | 0.0       | 1.836 | 0.0        | 0.0        | 2.134 | 0.0        |
| 11    | 17572       | 17573     | SN   | 1    | 0.0           | 23.378  | 6.045      | 0.0        | 25.981  | 7.574      | 0.0       | 176.651 | 2.972      | 0.0        | 14.24   | 4.25       | 0.0             | 1.415 | 0.0        | 0.0        | 1.783 | 0.0        | 0.0       | 1.844 | 0.0        | 0.0        | 2.139 | 0.0        |
| 12    | 17572       | 17573     | SN   | 1    | 0.0           | 29.621  | 13.337     | 0.0        | 217.652 | 12.995     | 0.0       | 179.353 | 11.299     | 0.0        | 24.294  | 13.848     | 0.0             | 1.427 | 0.0        | 0.0        | 1.785 | 0.0        | 0.0       | 1.839 | 0.0        | 0.0        | 2.137 | 0.0        |
| 13    | 17572       | 17573     | NS   | 1    | 0.0           | 25.507  | 5.992      | 0.0        | 24.553  | 6.561      | 0.0       | 350.994 | 2.169      | 0.0        | 52.966  | 2.864      | 0.0             | 1.426 | 0.0        | 0.0        | 1.779 | 0.0        | 0.0       | 1.844 | 0.0        | 0.0        | 2.135 | 0.0        |
| 14    | 17572       | 17573     | SN   | 1    | 0.0           | 29.616  | 13.35      | 0.0        | 217.647 | 12.946     | 0.0       | 179.315 | 11.277     | 0.0        | 22.849  | 13.783     | 0.0             | 1.427 | 0.0        | 0.0        | 1.786 | 0.0        | 0.0       | 1.839 | 0.0        | 0.0        | 2.137 | 0.0        |
| 15    | 17572       | 17573     | NS   | 1    | 0.0           | 25.656  | 6.0        | 0.0        | 24.547  | 6.553      | 0.0       | 125.855 | 2.171      | 0.0        | 47.512  | 2.853      | 0.0             | 1.426 | 0.0        | 0.0        | 1.779 | 0.0        | 0.0       | 1.844 | 0.0        | 0.0        | 2.137 | 0.0        |
| 16    | 17572       | 17573     | SN   | 1    | 0.0           | 23.378  | 6.05       | 0.0        | 25.981  | 7.58       | 0.0       | 176.706 | 2.972      | 0.0        | 14.83   | 4.257      | 0.0             | 1.415 | 0.0        | 0.0        | 1.783 | 0.0        | 0.0       | 1.844 | 0.0        | 0.0        | 2.139 | 0.0        |
| 17    | 17573       | 17574     | NS   | 1    | 0.0           | 45.673  | 5.999      | 0.0        | 24.547  | 6.558      | 0.0       | 343.047 | 2.174      | 0.0        | 42.096  | 2.822      | 0.0             | 1.426 | 0.0        | 0.0        | 1.779 | 0.0        | 0.0       | 1.844 | 0.0        | 0.0        | 2.135 | 0.0        |
| 18    | 17573       | 17574     | SN   | 1    | 0.0           | 23.362  | 6.047      | 0.0        | 25.397  | 7.587      | 0.0       | 168.279 | 2.973      | 0.0        | 14.24   | 4.294      | 0.0             | 1.417 | 0.0        | 0.0        | 1.784 | 0.0        | 0.0       | 1.843 | 0.0        | 0.0        | 2.139 | 0.0        |
| 19    | 17573       | 17574     | NS   | 1    | 0.711         | 70.589  | 10.136     | 0.0        | 30.277  | 14.007     | 0.0       | 263.499 | 9.563      | 0.0        | 39.896  | 11.961     | 0.001           | 1.406 | 0.0        | 0.0        | 1.779 | 0.0        | 0.0       | 1.837 | 0.0        | 0.0        | 2.138 | 0.0        |
| 20    | 17573       | 17574     | SN   | 1    | 0.0           | 29.952  | 13.335     | 0.0        | 27.399  | 12.918     | 0.0       | 169.2   | 11.313     | 0.0        | 51.419  | 13.724     | 0.0             | 1.431 | 0.0        | 0.0        | 1.782 | 0.0        | 0.0       | 1.837 | 0.0        | 0.0        | 2.134 | 0.0        |
| 21    | 17573       | 17574     | SN   | 1    | 0.0           | 29.952  | 13.329     | 0.0        | 27.399  | 13.117     | 0.0       | 169.2   | 11.229     | 0.0        | 70.09   | 14.025     | 0.0             | 1.431 | 0.0        | 0.0        | 1.782 | 0.0        | 0.0       | 1.837 | 0.0        | 0.0        | 2.134 | 0.0        |
| 22    | 17573       | 17574     | SN   | 1    | 0.0           | 23.362  | 6.043      | 0.0        | 26.547  | 7.599      | 0.0       | 168.279 | 2.952      | 0.0        | 48.929  | 4.413      | 0.0             | 1.417 | 0.0        | 0.0        | 1.784 | 0.0        | 0.0       | 1.843 | 0.0        | 0.0        | 2.139 | 0.0        |
| 23    | 17574       | 17575     | NS   | 1    | 0.0           | 192.818 | 10.185     | 0.0        | 30.31   | 13.933     | 0.0       | 355.764 | 9.627      | 0.0        | 35.754  | 11.978     | 0.0             | 1.406 | 0.0        | 0.0        | 1.781 | 0.0        | 0.0       | 1.84  | 0.0        | 0.0        | 2.133 | 0.0        |
| 24    | 17574       | 17575     | NS   | 1    | 0.0           | 200.956 | 5.987      | 0.0        | 24.553  | 6.541      | 0.0       | 318.097 | 2.172      | 0.0        | 27.266  | 2.839      | 0.0             | 1.429 | 0.0        | 0.0        | 1.778 | 0.0        | 0.0       | 1.844 | 0.0        | 0.0        | 2.136 | 0.0        |
| 25    | 17574       | 17575     | SN   | 1    | 0.0           | 30.465  | 13.34      | 0.0        | 27.404  | 12.782     | 0.0       | 176.502 | 11.435     | 0.0        | 51.408  | 13.589     | 0.0             | 1.427 | 0.0        | 0.0        | 1.783 | 0.0        | 0.0       | 1.839 | 0.0        | 0.0        | 2.136 | 0.0        |
| 26    | 17574       | 17575     | SN   | 1    | 0.0           | 23.384  | 6.039      | 0.0        | 24.393  | 7.586      | 0.0       | 172.537 | 2.996      | 0.0        | 107.926 | 4.268      | 0.0             | 1.415 | 0.0        | 0.0        | 1.783 | 0.0        | 0.0       | 1.843 | 0.0        | 0.0        | 2.139 | 0.0        |
| 27    | 17574       | 17575     | SN   | 1    | 0.0           | 30.465  | 13.305     | 0.0        | 27.404  | 13.048     | 0.0       | 176.502 | 11.298     | 0.0        | 55.834  | 14.03      | 0.0             | 1.427 | 0.0        | 0.0        | 1.783 | 0.0        | 0.0       | 1.839 | 0.0        | 0.0        | 2.136 | 0.0        |
| 28    | 17574       | 17575     | SN   | 1    | 0.0           | 23.384  | 6.019      | 0.0        | 26.433  | 7.612      | 0.0       | 172.537 | 2.958      | 0.0        | 107.926 | 4.431      | 0.0             | 1.415 | 0.0        | 0.0        | 1.783 | 0.0        | 0.0       | 1.843 | 0.0        | 0.0        | 2.139 | 0.0        |
| 29    | 17575       | 17576     | NS   | 1    | 0.0           | 260.603 | 5.998      | 0.0        | 24.547  | 6.55       | 0.0       | 247.5   | 2.161      | 0.0        | 45.852  | 2.844      | 0.0             | 1.425 | 0.0        | 0.0        | 1.778 | 0.0        | 0.0       | 1.843 | 0.0        | 0.0        | 2.136 | 0.0        |
| 30    | 17575       | 17576     | SN   | 1    | 0.0           | 29.803  | 13.331     | 0.0        | 220.581 | 12.658     | 0.0       | 155.402 | 11.455     | 0.0        | 15.111  | 13.497     | 0.0             | 1.427 | 0.0        | 0.0        | 1.782 | 0.0        | 0.0       | 1.84  | 0.0        | 0.0        | 2.136 | 0.0        |
| 31    | 17575       | 17576     | NS   | 1    | 0.0           | 40.792  | 10.187     | 0.0        | 30.344  | 13.984     | 0.0       | 357.535 | 9.584      | 0.0        | 36.895  | 11.95      | 0.0             | 1.397 | 0.0        | 0.0        | 1.781 | 0.0        | 0.0       | 1.843 | 0.0        | 0.0        | 2.131 | 0.0        |

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



|    |       |       |    |   |       |         |        |     |         |        |     |         |        |     |         |        |       |       |     |     |       |     |     |       |     |     |       |     |
|----|-------|-------|----|---|-------|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-------|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 32 | 17575 | 17576 | SN | 1 | 0.0   | 23.389  | 6.021  | 0.0 | 266.741 | 7.596  | 0.0 | 150.196 | 2.963  | 0.0 | 72.936  | 4.42   | 0.0   | 1.416 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.139 | 0.0 |
| 33 | 17575 | 17576 | SN | 1 | 0.0   | 23.389  | 6.057  | 0.0 | 266.741 | 7.54   | 0.0 | 150.196 | 3.021  | 0.0 | 14.24   | 4.24   | 0.0   | 1.416 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.139 | 0.0 |
| 34 | 17575 | 17576 | SN | 1 | 0.0   | 29.803  | 13.285 | 0.0 | 220.581 | 13.092 | 0.0 | 155.402 | 11.241 | 0.0 | 65.242  | 14.095 | 0.0   | 1.427 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.84  | 0.0 | 0.0 | 2.136 | 0.0 |
| 35 | 17576 | 17577 | SN | 1 | 0.0   | 23.373  | 6.097  | 0.0 | 24.26   | 7.498  | 0.0 | 134.345 | 3.049  | 0.0 | 66.933  | 4.228  | 0.0   | 1.416 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.139 | 0.0 |
| 36 | 17576 | 17577 | NS | 1 | 0.0   | 128.508 | 6.0    | 0.0 | 24.558  | 6.556  | 0.0 | 263.493 | 2.18   | 0.0 | 48.422  | 2.819  | 0.0   | 1.426 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.135 | 0.0 |
| 37 | 17576 | 17577 | SN | 1 | 0.0   | 29.742  | 13.402 | 0.0 | 25.887  | 12.463 | 0.0 | 145.122 | 11.63  | 0.0 | 272.673 | 13.5   | 0.0   | 1.428 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.138 | 0.0 |
| 38 | 17576 | 17577 | NS | 1 | 0.0   | 235.378 | 10.157 | 0.0 | 30.344  | 14.037 | 0.0 | 263.51  | 9.622  | 0.0 | 37.678  | 11.864 | 0.0   | 1.397 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.136 | 0.0 |
| 39 | 17576 | 17577 | SN | 1 | 0.0   | 23.373  | 6.097  | 0.0 | 24.26   | 7.36   | 0.0 | 134.345 | 3.049  | 0.0 | 66.933  | 4.12   | 0.0   | 1.416 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.139 | 0.0 |
| 40 | 17576 | 17577 | SN | 1 | 0.0   | 29.742  | 13.402 | 0.0 | 25.887  | 12.568 | 0.0 | 145.122 | 11.63  | 0.0 | 272.673 | 13.403 | 0.0   | 1.428 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.138 | 0.0 |
| 41 | 17577 | 17578 | SN | 1 | 0.0   | 23.362  | 6.02   | 0.0 | 26.442  | 7.59   | 0.0 | 164.876 | 2.934  | 0.0 | 210.268 | 4.344  | 0.0   | 1.416 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.138 | 0.0 |
| 42 | 17577 | 17578 | NS | 1 | 0.0   | 27.481  | 10.105 | 0.0 | 30.217  | 14.054 | 0.0 | 137.856 | 9.562  | 0.0 | 35.908  | 12.017 | 0.0   | 1.402 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.138 | 0.0 |
| 43 | 17577 | 17578 | SN | 1 | 0.0   | 29.902  | 13.331 | 0.0 | 27.399  | 13.077 | 0.0 | 166.851 | 11.223 | 0.0 | 73.358  | 14.082 | 0.0   | 1.429 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.139 | 0.0 |
| 44 | 17577 | 17578 | SN | 1 | 0.0   | 29.902  | 13.446 | 0.0 | 25.639  | 12.473 | 0.0 | 166.851 | 11.651 | 0.0 | 73.358  | 13.199 | 0.0   | 1.429 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.139 | 0.0 |
| 45 | 17577 | 17578 | SN | 1 | 0.0   | 23.362  | 6.106  | 0.0 | 24.26   | 7.511  | 0.0 | 164.876 | 3.06   | 0.0 | 210.268 | 4.185  | 0.0   | 1.416 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.138 | 0.0 |
| 46 | 17577 | 17578 | NS | 1 | 0.0   | 25.512  | 6.021  | 0.0 | 24.553  | 6.594  | 0.0 | 342.567 | 2.168  | 0.0 | 41.82   | 2.882  | 0.0   | 1.426 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.135 | 0.0 |
| 47 | 17578 | 17579 | SN | 1 | 0.0   | 23.384  | 6.146  | 0.0 | 24.244  | 7.52   | 0.0 | 158.799 | 3.085  | 0.0 | 14.234  | 4.143  | 0.0   | 1.415 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.137 | 0.0 |
| 48 | 17578 | 17579 | SN | 1 | 0.0   | 23.384  | 6.014  | 0.0 | 26.235  | 7.588  | 0.0 | 158.799 | 2.922  | 0.0 | 59.568  | 4.306  | 0.0   | 1.415 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.137 | 0.0 |
| 49 | 17578 | 17579 | NS | 1 | 0.0   | 68.847  | 6.019  | 0.0 | 24.553  | 6.555  | 0.0 | 315.29  | 2.177  | 0.0 | 25.446  | 2.891  | 0.0   | 1.425 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.136 | 0.0 |
| 50 | 17578 | 17579 | NS | 1 | 1.417 | 40.693  | 10.136 | 0.0 | 30.294  | 14.039 | 0.0 | 351.573 | 9.548  | 0.0 | 37.094  | 11.997 | 0.104 | 1.404 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.138 | 0.0 |
| 51 | 17578 | 17579 | SN | 1 | 0.0   | 29.853  | 13.329 | 0.0 | 263.416 | 13.137 | 0.0 | 153.471 | 11.18  | 0.0 | 63.025  | 14.011 | 0.0   | 1.429 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.138 | 0.0 |
| 52 | 17578 | 17579 | SN | 1 | 0.0   | 29.853  | 13.489 | 0.0 | 263.416 | 12.362 | 0.0 | 153.471 | 11.673 | 0.0 | 14.747  | 12.923 | 0.0   | 1.429 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.138 | 0.0 |
| 53 | 17579 | 17580 | NS | 1 | 0.0   | 212.603 | 10.163 | 0.0 | 30.344  | 14.013 | 0.0 | 355.296 | 9.592  | 0.0 | 36.421  | 12.041 | 0.0   | 1.406 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.134 | 0.0 |
| 54 | 17579 | 17580 | SN | 1 | 0.0   | 29.985  | 13.285 | 0.0 | 43.682  | 13.06  | 0.0 | 156.185 | 11.206 | 0.0 | 275.758 | 14.059 | 0.0   | 1.433 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.136 | 0.0 |
| 55 | 17579 | 17580 | SN | 1 | 0.0   | 23.384  | 6.017  | 0.0 | 127.637 | 7.596  | 0.0 | 146.109 | 2.924  | 0.0 | 76.978  | 4.333  | 0.0   | 1.421 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.138 | 0.0 |
| 56 | 17579 | 17580 | NS | 1 | 0.0   | 254.09  | 6.012  | 0.0 | 24.553  | 6.543  | 0.0 | 134.05  | 2.165  | 0.0 | 45.615  | 2.855  | 0.0   | 1.426 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.136 | 0.0 |
| 57 | 17580 | 17581 | NS | 1 | 0.0   | 166.225 | 10.162 | 0.0 | 30.338  | 14.059 | 0.0 | 231.831 | 9.595  | 0.0 | 37.905  | 12.029 | 0.0   | 1.404 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.136 | 0.0 |
| 58 | 17580 | 17581 | NS | 1 | 0.0   | 254.148 | 6.007  | 0.0 | 24.547  | 6.573  | 0.0 | 347.746 | 2.16   | 0.0 | 67.956  | 2.856  | 0.0   | 1.431 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.134 | 0.0 |
| 59 | 17580 | 17581 | SN | 1 | 0.0   | 95.222  | 6.028  | 0.0 | 25.965  | 7.618  | 0.0 | 181.675 | 2.985  | 0.0 | 70.973  | 4.392  | 0.0   | 1.416 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.138 | 0.0 |
| 60 | 17580 | 17581 | SN | 1 | 0.0   | 123.972 | 13.365 | 0.0 | 27.316  | 13.103 | 0.0 | 152.341 | 11.266 | 0.0 | 71.767  | 14.1   | 0.0   | 1.429 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.139 | 0.0 |
| 61 | 17581 | 17582 | SN | 1 | 0.0   | 30.024  | 13.359 | 0.0 | 233.216 | 13.157 | 0.0 | 147.901 | 11.266 | 0.0 | 67.653  | 14.104 | 0.0   | 1.429 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.138 | 0.0 |
| 62 | 17581 | 17582 | NS | 1 | 0.0   | 218.485 | 10.104 | 0.0 | 29.82   | 14.016 | 0.0 | 348.645 | 9.633  | 0.0 | 27.911  | 11.935 | 0.0   | 1.406 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.136 | 0.0 |
| 63 | 17581 | 17582 | NS | 1 | 0.0   | 218.485 | 10.114 | 0.0 | 30.465  | 14.066 | 0.0 | 348.645 | 9.584  | 0.0 | 74.293  | 11.995 | 0.0   | 1.406 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.136 | 0.0 |
| 64 | 17581 | 17582 | NS | 1 | 0.0   | 192.918 | 6.008  | 0.0 | 24.564  | 6.544  | 0.0 | 355.527 | 2.172  | 0.0 | 17.019  | 2.858  | 0.0   | 1.428 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.135 | 0.0 |
| 65 | 17581 | 17582 | NS | 1 | 0.0   | 192.918 | 5.985  | 0.0 | 24.564  | 6.538  | 0.0 | 355.527 | 2.161  | 0.0 | 53.771  | 2.895  | 0.0   | 1.428 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.135 | 0.0 |
| 66 | 17581 | 17582 | SN | 1 | 0.0   | 22.104  | 6.014  | 0.0 | 69.089  | 7.614  | 0.0 | 168.434 | 2.929  | 0.0 | 153.695 | 4.388  | 0.0   | 1.416 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.138 | 0.0 |
| 67 | 17582 | 17583 | NS | 1 | 0.0   | 78.752  | 6.138  | 0.0 | 24.558  | 6.58   | 0.0 | 356.002 | 2.24   | 0.0 | 12.811  | 2.807  | 0.0   | 1.426 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.136 | 0.0 |
| 68 | 17582 | 17583 | NS | 1 | 0.0   | 122.855 | 10.184 | 0.0 | 29.82   | 13.754 | 0.0 | 165.971 | 9.862  | 0.0 | 14.527  | 11.568 | 0.0   | 1.405 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.136 | 0.0 |

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

|     |       |       |    |   |       |         |        |     |         |        |     |         |        |     |         |        |       |       |     |     |       |     |     |       |     |     |       |     |
|-----|-------|-------|----|---|-------|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-------|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 69  | 17582 | 17583 | SN | 1 | 0.0   | 23.378  | 6.025  | 0.0 | 26.519  | 7.577  | 0.0 | 187.99  | 2.936  | 0.0 | 79.774  | 4.365  | 0.0   | 1.417 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.137 | 0.0 |
| 70  | 17582 | 17583 | NS | 1 | 1.417 | 122.855 | 10.146 | 0.0 | 30.239  | 14.079 | 0.0 | 165.971 | 9.584  | 0.0 | 32.875  | 11.975 | 0.105 | 1.405 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.136 | 0.0 |
| 71  | 17582 | 17583 | NS | 1 | 0.0   | 78.752  | 6.003  | 0.0 | 24.558  | 6.569  | 0.0 | 356.002 | 2.172  | 0.0 | 42.736  | 2.888  | 0.0   | 1.426 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.136 | 0.0 |
| 72  | 17582 | 17583 | SN | 1 | 0.0   | 29.864  | 13.291 | 0.0 | 43.599  | 13.098 | 0.0 | 185.563 | 11.231 | 0.0 | 73.476  | 14.02  | 0.0   | 1.428 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.139 | 0.0 |
| 73  | 17583 | 17584 | SN | 1 | 0.0   | 23.406  | 6.032  | 0.0 | 26.384  | 7.597  | 0.0 | 155.562 | 2.938  | 0.0 | 77.8    | 4.348  | 0.0   | 1.417 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.139 | 0.0 |
| 74  | 17583 | 17584 | NS | 1 | 0.0   | 159.794 | 6.244  | 0.0 | 24.553  | 6.663  | 0.0 | 119.761 | 2.345  | 0.0 | 12.817  | 2.89   | 0.0   | 1.427 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.136 | 0.0 |
| 75  | 17583 | 17584 | SN | 1 | 0.0   | 29.897  | 13.285 | 0.0 | 27.399  | 13.061 | 0.0 | 161.032 | 11.333 | 0.0 | 82.24   | 14.032 | 0.0   | 1.428 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.139 | 0.0 |
| 76  | 17583 | 17584 | NS | 1 | 0.0   | 159.794 | 6.01   | 0.0 | 24.553  | 6.58   | 0.0 | 119.761 | 2.182  | 0.0 | 64.796  | 2.879  | 0.0   | 1.427 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.136 | 0.0 |
| 77  | 17583 | 17584 | NS | 1 | 0.0   | 47.14   | 10.144 | 0.0 | 30.255  | 14.053 | 0.0 | 355.809 | 9.662  | 0.0 | 36.184  | 12.042 | 0.0   | 1.407 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.84  | 0.0 | 0.0 | 2.135 | 0.0 |
| 78  | 17583 | 17584 | NS | 1 | 0.0   | 47.14   | 10.284 | 0.0 | 29.82   | 13.47  | 0.0 | 355.809 | 10.288 | 0.0 | 13.622  | 11.505 | 0.0   | 1.407 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.84  | 0.0 | 0.0 | 2.135 | 0.0 |
| 79  | 17584 | 17585 | NS | 1 | 0.0   | 191.456 | 5.995  | 0.0 | 24.564  | 6.582  | 0.0 | 347.481 | 2.183  | 0.0 | 65.535  | 2.883  | 0.0   | 1.427 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.136 | 0.0 |
| 80  | 17584 | 17585 | SN | 1 | 0.0   | 29.814  | 13.996 | 0.0 | 22.915  | 11.455 | 0.0 | 148.916 | 11.185 | 0.0 | 14.135  | 8.862  | 0.0   | 1.429 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 2.133 | 0.0 |
| 81  | 17584 | 17585 | NS | 1 | 0.0   | 191.456 | 6.407  | 0.0 | 24.564  | 6.839  | 0.0 | 347.481 | 2.482  | 0.0 | 12.817  | 3.053  | 0.0   | 1.427 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.136 | 0.0 |
| 82  | 17584 | 17585 | SN | 1 | 0.0   | 23.373  | 5.237  | 0.0 | 24.255  | 6.065  | 0.0 | 146.848 | 1.842  | 0.0 | 12.894  | 2.289  | 0.0   | 1.415 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.136 | 0.0 |
| 83  | 17584 | 17585 | NS | 1 | 0.0   | 211.194 | 10.46  | 0.0 | 29.82   | 13.434 | 0.0 | 155.658 | 10.871 | 0.0 | 13.082  | 11.555 | 0.0   | 1.406 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.135 | 0.0 |
| 84  | 17584 | 17585 | NS | 1 | 0.0   | 211.194 | 10.191 | 0.0 | 30.382  | 14.082 | 0.0 | 155.658 | 9.674  | 0.0 | 81.567  | 12.035 | 0.0   | 1.406 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.135 | 0.0 |
| 85  | 17585 | 17586 | SN | 1 | 0.0   | 23.373  | 6.006  | 0.0 | 235.262 | 7.583  | 0.0 | 135.658 | 2.937  | 0.0 | 64.018  | 4.308  | 0.0   | 1.416 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.138 | 0.0 |
| 86  | 17585 | 17586 | NS | 1 | 0.0   | 236.834 | 5.997  | 0.0 | 24.564  | 6.599  | 0.0 | 135.065 | 2.18   | 0.0 | 43.083  | 2.89   | 0.0   | 1.426 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.135 | 0.0 |
| 87  | 17585 | 17586 | NS | 1 | 0.0   | 236.834 | 6.63   | 0.0 | 24.564  | 7.081  | 0.0 | 135.065 | 2.673  | 0.0 | 12.811  | 3.312  | 0.0   | 1.426 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.135 | 0.0 |
| 88  | 17585 | 17586 | NS | 1 | 0.0   | 210.439 | 10.679 | 0.0 | 29.825  | 13.569 | 0.0 | 353.035 | 11.759 | 0.0 | 13.087  | 12.014 | 0.0   | 1.402 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.135 | 0.0 |
| 89  | 17585 | 17586 | NS | 1 | 0.0   | 210.439 | 10.217 | 0.0 | 29.825  | 14.087 | 0.0 | 353.035 | 9.699  | 0.0 | 34.86   | 12.047 | 0.0   | 1.402 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.135 | 0.0 |
| 90  | 17585 | 17586 | SN | 1 | 0.0   | 23.373  | 6.065  | 0.0 | 235.262 | 7.505  | 0.0 | 135.658 | 3.02   | 0.0 | 31.935  | 4.136  | 0.0   | 1.416 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.138 | 0.0 |
| 91  | 17585 | 17586 | SN | 1 | 0.0   | 29.897  | 13.421 | 0.0 | 235.278 | 12.617 | 0.0 | 151.111 | 11.361 | 0.0 | 224.469 | 13.395 | 0.0   | 1.428 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.138 | 0.0 |
| 92  | 17585 | 17586 | SN | 1 | 0.0   | 29.897  | 13.347 | 0.0 | 235.278 | 13.115 | 0.0 | 151.111 | 11.078 | 0.0 | 224.469 | 14.066 | 0.0   | 1.428 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.138 | 0.0 |
| 93  | 17586 | 17587 | NS | 1 | 0.0   | 236.889 | 5.98   | 0.0 | 24.564  | 6.562  | 0.0 | 355.913 | 2.175  | 0.0 | 42.912  | 2.853  | 0.0   | 1.429 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.136 | 0.0 |
| 94  | 17586 | 17587 | NS | 1 | 0.0   | 236.889 | 5.978  | 0.0 | 24.564  | 6.562  | 0.0 | 355.913 | 2.177  | 0.0 | 42.912  | 2.854  | 0.0   | 1.429 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.136 | 0.0 |
| 95  | 17586 | 17587 | SN | 1 | 0.0   | 29.935  | 13.364 | 0.0 | 27.393  | 12.919 | 0.0 | 159.196 | 11.256 | 0.0 | 21.36   | 13.762 | 0.0   | 1.428 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.136 | 0.0 |
| 96  | 17586 | 17587 | NS | 1 | 1.417 | 143.856 | 10.146 | 0.0 | 30.255  | 14.081 | 0.0 | 138.413 | 9.57   | 0.0 | 36.587  | 11.947 | 0.104 | 1.4   | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.137 | 0.0 |
| 97  | 17586 | 17587 | SN | 1 | 0.0   | 29.935  | 13.357 | 0.0 | 27.393  | 13.138 | 0.0 | 159.196 | 11.173 | 0.0 | 60.88   | 14.056 | 0.0   | 1.428 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.136 | 0.0 |
| 98  | 17586 | 17587 | SN | 1 | 0.0   | 29.935  | 13.357 | 0.0 | 27.393  | 13.138 | 0.0 | 159.196 | 11.173 | 0.0 | 60.88   | 14.056 | 0.0   | 1.428 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.136 | 0.0 |
| 99  | 17586 | 17587 | SN | 1 | 0.0   | 23.378  | 6.007  | 0.0 | 26.251  | 7.598  | 0.0 | 165.224 | 2.945  | 0.0 | 50.435  | 4.376  | 0.0   | 1.416 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.139 | 0.0 |
| 100 | 17586 | 17587 | SN | 1 | 0.0   | 23.378  | 6.007  | 0.0 | 26.257  | 7.596  | 0.0 | 165.224 | 2.945  | 0.0 | 50.435  | 4.376  | 0.0   | 1.416 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.139 | 0.0 |
| 101 | 17586 | 17587 | NS | 1 | 1.417 | 143.856 | 10.146 | 0.0 | 30.255  | 14.081 | 0.0 | 138.413 | 9.57   | 0.0 | 36.587  | 11.947 | 0.104 | 1.4   | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.137 | 0.0 |
| 102 | 17586 | 17587 | SN | 1 | 0.0   | 23.378  | 6.024  | 0.0 | 24.327  | 7.58   | 0.0 | 165.224 | 2.966  | 0.0 | 14.3    | 4.266  | 0.0   | 1.416 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.139 | 0.0 |
| 103 | 17587 | 17588 | NS | 1 | 0.0   | 122.061 | 10.166 | 0.0 | 30.31   | 13.979 | 0.0 | 356.062 | 9.566  | 0.0 | 35.875  | 12.019 | 0.0   | 1.405 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.134 | 0.0 |
| 104 | 17587 | 17588 | NS | 1 | 0.0   | 54.877  | 10.176 | 0.0 | 30.31   | 13.969 | 0.0 | 356.062 | 9.552  | 0.0 | 35.881  | 12.033 | 0.0   | 1.405 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.134 | 0.0 |
| 105 | 17587 | 17588 | SN | 1 | 0.0   | 29.88   | 13.324 | 0.0 | 27.393  | 12.918 | 0.0 | 174.743 | 11.252 | 0.0 | 22.617  | 13.832 | 0.0   | 1.427 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.14  | 0.0 |

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

|     |       |       |    |   |       |         |        |     |         |        |     |         |        |     |        |        |       |       |     |     |       |       |     |       |       |     |       |       |
|-----|-------|-------|----|---|-------|---------|--------|-----|---------|--------|-----|---------|--------|-----|--------|--------|-------|-------|-----|-----|-------|-------|-----|-------|-------|-----|-------|-------|
| 106 | 17587 | 17588 | SN | 1 | 0.0   | 29.88   | 13.324 | 0.0 | 27.393  | 12.918 | 0.0 | 174.743 | 11.252 | 0.0 | 22.617 | 13.832 | 0.0   | 1.427 | 0.0 | 0.0 | 1.785 | 0.0   | 0.0 | 1.838 | 0.0   | 0.0 | 2.14  | 0.0   |
| 107 | 17587 | 17588 | SN | 1 | 0.0   | 29.88   | 13.305 | 0.0 | 27.393  | 13.089 | 0.0 | 174.743 | 11.177 | 0.0 | 57.152 | 14.082 | 0.0   | 1.427 | 0.0 | 0.0 | 1.785 | 0.0   | 0.0 | 1.838 | 0.0   | 0.0 | 2.14  | 0.0   |
| 108 | 17587 | 17588 | NS | 1 | 0.0   | 217.192 | 6.002  | 0.0 | 24.553  | 6.55   | 0.0 | 356.217 | 2.171  | 0.0 | 26.599 | 2.821  | 0.0   | 1.426 | 0.0 | 0.0 | 1.778 | 0.0   | 0.0 | 1.842 | 0.0   | 0.0 | 2.135 | 0.0   |
| 109 | 17587 | 17588 | NS | 1 | 0.0   | 95.04   | 6.0    | 0.0 | 24.553  | 6.554  | 0.0 | 356.222 | 2.171  | 0.0 | 26.604 | 2.821  | 0.0   | 1.425 | 0.0 | 0.0 | 1.778 | 0.0   | 0.0 | 1.843 | 0.0   | 0.0 | 2.135 | 0.0   |
| 110 | 17587 | 17588 | SN | 1 | 0.0   | 23.395  | 6.023  | 0.0 | 24.547  | 7.619  | 0.0 | 171.638 | 2.987  | 0.0 | 14.24  | 4.318  | 0.0   | 1.418 | 0.0 | 0.0 | 1.783 | 0.0   | 0.0 | 1.845 | 0.0   | 0.0 | 2.14  | 0.0   |
| 111 | 17587 | 17588 | SN | 1 | 0.0   | 23.395  | 6.023  | 0.0 | 24.547  | 7.62   | 0.0 | 171.638 | 2.989  | 0.0 | 14.714 | 4.323  | 0.0   | 1.418 | 0.0 | 0.0 | 1.783 | 0.0   | 0.0 | 1.845 | 0.0   | 0.0 | 2.14  | 0.0   |
| 112 | 17587 | 17588 | SN | 1 | 0.0   | 23.395  | 6.012  | 0.0 | 25.819  | 7.635  | 0.0 | 171.638 | 2.967  | 0.0 | 70.879 | 4.422  | 0.0   | 1.418 | 0.0 | 0.0 | 1.783 | 0.0   | 0.0 | 1.845 | 0.0   | 0.0 | 2.14  | 0.0   |
| 113 | 17588 | 17589 | NS | 1 | 0.0   | 53.631  | 6.002  | 0.0 | 24.553  | 6.543  | 0.0 | 347.338 | 2.156  | 0.0 | 46.276 | 2.817  | 0.0   | 1.429 | 0.0 | 0.0 | 1.778 | 0.0   | 0.0 | 1.843 | 0.0   | 0.0 | 2.135 | 0.0   |
| 114 | 17588 | 17589 | SN | 1 | 0.0   | 23.362  | 6.028  | 0.0 | 195.27  | 7.615  | 0.0 | 143.611 | 2.981  | 0.0 | 74.37  | 4.46   | 0.0   | 1.416 | 0.0 | 0.0 | 1.784 | 0.0   | 0.0 | 1.843 | 0.0   | 0.0 | 2.14  | 0.0   |
| 115 | 17588 | 17589 | NS | 1 | 0.0   | 242.371 | 10.135 | 0.0 | 30.338  | 13.95  | 0.0 | 355.246 | 9.515  | 0.0 | 36.796 | 11.969 | 0.0   | 1.411 | 0.0 | 0.0 | 1.78  | 0.0   | 0.0 | 1.841 | 0.0   | 0.0 | 2.134 | 0.0   |
| 116 | 17588 | 17589 | SN | 1 | 0.0   | 29.869  | 13.315 | 0.0 | 27.393  | 13.08  | 0.0 | 154.205 | 11.29  | 0.0 | 64.95  | 14.097 | 0.0   | 1.428 | 0.0 | 0.0 | 1.782 | 0.0   | 0.0 | 1.84  | 0.0   | 0.0 | 2.138 | 0.0   |
| 117 | 17589 | 17590 | SN | 1 | 0.0   | 23.384  | 6.056  | 0.0 | 24.222  | 7.539  | 0.0 | 143.925 | 3.041  | 0.0 | 14.234 | 4.279  | 0.0   | 1.416 | 0.0 | 0.0 | 1.784 | 0.0   | 0.0 | 1.848 | 0.0   | 0.0 | 2.138 | 0.0   |
| 118 | 17589 | 17590 | NS | 1 | 0.0   | 153.403 | 10.268 | 0.0 | 30.349  | 14.008 | 0.0 | 352.908 | 9.529  | 0.0 | 34.48  | 11.93  | 0.0   | 1.405 | 0.0 | 0.0 | 1.78  | 0.0   | 0.0 | 1.84  | 0.0   | 0.0 | 2.133 | 0.0   |
| 119 | 17589 | 17590 | NS | 1 | 0.0   | 153.403 | 10.268 | 0.0 | 30.344  | 13.998 | 0.0 | 352.908 | 9.522  | 0.0 | 34.48  | 11.937 | 0.0   | 1.405 | 0.0 | 0.0 | 1.78  | 0.0   | 0.0 | 1.84  | 0.0   | 0.0 | 2.133 | 0.0   |
| 120 | 17589 | 17590 | SN | 1 | 0.0   | 23.384  | 6.028  | 0.0 | 26.025  | 7.587  | 0.0 | 143.925 | 2.992  | 0.0 | 63.196 | 4.449  | 0.0   | 1.416 | 0.0 | 0.0 | 1.784 | 0.0   | 0.0 | 1.848 | 0.0   | 0.0 | 2.138 | 0.0   |
| 121 | 17589 | 17590 | SN | 1 | 0.0   | 29.825  | 13.408 | 0.0 | 27.183  | 13.088 | 0.0 | 143.892 | 11.318 | 0.0 | 68.662 | 14.129 | 0.0   | 1.427 | 0.0 | 0.0 | 1.782 | 0.0   | 0.0 | 1.841 | 0.0   | 0.0 | 2.138 | 0.0   |
| 122 | 17589 | 17590 | NS | 1 | 0.0   | 152.159 | 5.981  | 0.0 | 24.564  | 6.545  | 0.0 | 117.307 | 2.155  | 0.0 | 43.353 | 2.83   | 0.0   | 1.427 | 0.0 | 0.0 | 1.778 | 0.0   | 0.0 | 1.842 | 0.0   | 0.0 | 2.133 | 0.0   |
| 123 | 17589 | 17590 | SN | 1 | 0.0   | 29.825  | 13.454 | 0.0 | 26.792  | 12.753 | 0.0 | 143.892 | 11.488 | 0.0 | 15.729 | 13.602 | 0.0   | 1.427 | 0.0 | 0.0 | 1.782 | 0.0   | 0.0 | 1.841 | 0.0   | 0.0 | 2.138 | 0.0   |
| 124 | 17589 | 17590 | NS | 1 | 0.0   | 152.159 | 5.981  | 0.0 | 24.564  | 6.547  | 0.0 | 154.285 | 2.156  | 0.0 | 43.359 | 2.832  | 0.0   | 1.427 | 0.0 | 0.0 | 1.778 | 0.0   | 0.0 | 1.842 | 0.0   | 0.0 | 2.133 | 0.0   |
| 125 | 17590 | 17591 | SN | 1 | 0.0   | 23.362  | 6.078  | 0.0 | 24.255  | 7.506  | 0.0 | 156.874 | 3.046  | 0.0 | 14.234 | 4.272  | 0.0   | 1.416 | 0.0 | 0.0 | 1.783 | 0.0   | 0.0 | 1.844 | 0.0   | 0.0 | 2.139 | 0.0   |
| 126 | 17590 | 17591 | SN | 1 | 0.0   | 29.676  | 13.484 | 0.0 | 25.921  | 12.598 | 0.0 | 165.654 | 11.583 | 0.0 | 14.747 | 13.446 | 0.0   | 1.428 | 0.0 | 0.0 | 1.786 | 0.0   | 0.0 | 1.839 | 0.0   | 0.0 | 2.137 | 0.0   |
| 127 | 17590 | 17591 | SN | 1 | 0.0   | 23.362  | 6.022  | 0.0 | 25.264  | 7.569  | 0.0 | 156.874 | 2.972  | 0.0 | 49.42  | 4.436  | 0.0   | 1.416 | 0.0 | 0.0 | 1.783 | 0.0   | 0.0 | 1.844 | 0.0   | 0.0 | 2.139 | 0.0   |
| 128 | 17590 | 17591 | NS | 1 | 1.417 | 213.036 | 10.197 | 0.0 | 30.206  | 14.001 | 0.0 | 347.509 | 9.527  | 0.0 | 35.969 | 11.926 | 0.081 | 1.401 | 0.0 | 0.0 | 1.78  | 0.0   | 0.0 | 1.831 | 0.0   | 0.0 | 2.136 | 0.0   |
| 129 | 17590 | 17591 | NS | 1 | 1.417 | 213.031 | 10.217 | 0.0 | 30.2    | 14.011 | 0.0 | 347.514 | 9.541  | 0.0 | 35.974 | 11.92  | 0.104 | 1.401 | 0.0 | 0.0 | 1.78  | 0.0   | 0.0 | 1.831 | 0.0   | 0.0 | 2.136 | 0.0   |
| 130 | 17590 | 17591 | NS | 1 | 0.0   | 236.712 | 5.982  | 0.0 | 24.558  | 6.538  | 0.0 | 355.902 | 2.154  | 0.0 | 41.903 | 2.833  | 0.0   | 1.428 | 0.0 | 0.0 | 1.779 | 0.0   | 0.0 | 1.842 | 0.0   | 0.0 | 2.135 | 0.0   |
| 131 | 17590 | 17591 | NS | 1 | 0.0   | 236.712 | 5.989  | 0.0 | 24.558  | 6.538  | 0.0 | 355.908 | 2.149  | 0.0 | 41.92  | 2.835  | 0.0   | 1.428 | 0.0 | 0.0 | 1.779 | 0.0   | 0.0 | 1.842 | 0.0   | 0.0 | 2.135 | 0.0   |
| 132 | 17590 | 17591 | SN | 1 | 0.0   | 29.676  | 13.412 | 0.0 | 27.332  | 13.06  | 0.0 | 165.654 | 11.318 | 0.0 | 65.022 | 14.092 | 0.0   | 1.428 | 0.0 | 0.0 | 1.786 | 0.0   | 0.0 | 1.839 | 0.0   | 0.0 | 2.137 | 0.0   |
| 133 | 17590 | 17591 | SN | 1 | 0.0   | 29.676  | 13.412 | 0.0 | 27.332  | 13.06  | 0.0 | 165.654 | 11.318 | 0.0 | 65.022 | 14.092 | 0.0   | 1.428 | 0.0 | 0.0 | 1.786 | 0.0   | 0.0 | 1.839 | 0.0   | 0.0 | 2.137 | 0.0   |
| 134 | 17590 | 17591 | SN | 1 | 0.0   | 23.362  | 6.022  | 0.0 | 25.264  | 7.569  | 0.0 | 156.874 | 2.972  | 0.0 | 49.42  | 4.436  | 0.0   | 1.416 | 0.0 | 0.0 | 1.783 | 0.0   | 0.0 | 1.844 | 0.0   | 0.0 | 2.139 | 0.0   |
| 135 | 17591 | 17592 | SN | 1 | 0.0   | 29.869  | 12.999 | 0.0 | 165.205 | 13.202 | 0.0 | 173.21  | 10.673 | 0.0 | 41.258 | 11.672 | 0.0   | 2.013 | 0.0 | 0.0 | 3.253 | 0.045 | 0.0 | 3.48  | 0.095 | 0.0 | 3.675 | 0.329 |
| 136 | 17591 | 17592 | SN | 1 | 0.0   | 58.613  | 5.577  | 0.0 | 32.351  | 6.87   | 0.0 | 169.625 | 2.3    | 0.0 | 60.422 | 3.627  | 0.0   | 2.965 | 0.0 | 0.0 | 3.228 | 0.009 | 0.0 | 3.695 | 0.036 | 0.0 | 3.608 | 0.158 |
| 137 | 17591 | 17592 | SN | 1 | 0.0   | 29.869  | 12.945 | 0.0 | 34.915  | 13.903 | 0.0 | 173.265 | 10.26  | 0.0 | 58.255 | 12.887 | 0.0   | 2.013 | 0.0 | 0.0 | 3.254 | 0.041 | 0.0 | 3.48  | 0.087 | 0.0 | 3.676 | 0.291 |
| 138 | 17591 | 17592 | NS | 1 | 0.0   | 202.47  | 10.19  | 0.0 | 30.167  | 14.031 | 0.0 | 355.869 | 9.545  | 0.0 | 35.5   | 11.94  | 0.0   | 1.399 | 0.0 | 0.0 | 1.78  | 0.0   | 0.0 | 1.835 | 0.0   | 0.0 | 2.134 | 0.0   |
| 139 | 17591 | 17592 | NS | 1 | 0.0   | 220.719 | 10.155 | 0.0 | 30.228  | 14.013 | 0.0 | 355.869 | 9.634  | 0.0 | 37.132 | 11.927 | 0.0   | 1.402 | 0.0 | 0.0 | 1.78  | 0.0   | 0.0 | 1.831 | 0.0   | 0.0 | 2.136 | 0.0   |
| 140 | 17591 | 17592 | NS | 1 | 0.0   | 219.158 | 5.984  | 0.0 | 24.558  | 6.549  | 0.0 | 321.671 | 2.154  | 0.0 | 23.323 | 2.847  | 0.0   | 1.429 | 0.0 | 0.0 | 1.778 | 0.0   | 0.0 | 1.843 | 0.0   | 0.0 | 2.135 | 0.0   |
| 141 | 17591 | 17592 | SN | 1 | 0.0   | 29.869  | 12.931 | 0.0 | 165.205 | 13.903 | 0.0 | 173.21  | 10.251 | 0.0 | 58.255 | 12.878 | 0.0   | 2.013 | 0.0 | 0.0 | 3.253 | 0.041 | 0.0 | 3.48  | 0.087 | 0.0 | 3.675 | 0.301 |
| 142 | 17591 | 17592 | SN | 1 | 0.0   | 58.619  | 5.666  | 0.0 | 32.351  | 6.673  | 0.0 | 169.564 | 2.39   | 0.0 | 38.787 | 3.31   | 0.0   | 2.966 | 0.0 | 0.0 | 3.228 | 0.01  | 0.0 | 3.696 | 0.04  | 0.0 | 3.607 | 0.178 |

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

|     |       |       |    |   |       |         |        |     |         |        |     |         |        |     |         |        |       |       |     |     |       |       |     |       |       |     |       |       |
|-----|-------|-------|----|---|-------|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-------|-------|-----|-----|-------|-------|-----|-------|-------|-----|-------|-------|
| 143 | 17591 | 17592 | SN | 1 | 0.0   | 58.619  | 5.611  | 0.0 | 32.351  | 6.87   | 0.0 | 169.564 | 2.303  | 0.0 | 128.21  | 3.627  | 0.0   | 2.966 | 0.0 | 0.0 | 3.228 | 0.009 | 0.0 | 3.696 | 0.036 | 0.0 | 3.607 | 0.163 |
| 144 | 17591 | 17592 | NS | 1 | 0.0   | 265.688 | 6.018  | 0.0 | 24.564  | 6.557  | 0.0 | 252.402 | 2.165  | 0.0 | 66.158  | 2.849  | 0.0   | 1.43  | 0.0 | 0.0 | 1.778 | 0.0   | 0.0 | 1.843 | 0.0   | 0.0 | 2.135 | 0.0   |
| 145 | 17592 | 17593 | SN | 1 | 0.0   | 29.831  | 13.377 | 0.0 | 25.601  | 12.414 | 0.0 | 160.156 | 11.658 | 0.0 | 219.186 | 13.204 | 0.0   | 1.433 | 0.0 | 0.0 | 1.784 | 0.0   | 0.0 | 1.831 | 0.0   | 0.0 | 2.14  | 0.0   |
| 146 | 17592 | 17593 | NS | 1 | 0.0   | 25.755  | 10.156 | 0.0 | 30.327  | 14.019 | 0.0 | 355.307 | 9.629  | 0.0 | 36.89   | 12.012 | 0.0   | 1.402 | 0.0 | 0.0 | 1.779 | 0.0   | 0.0 | 1.841 | 0.0   | 0.0 | 2.135 | 0.0   |
| 147 | 17592 | 17593 | SN | 1 | 0.0   | 23.356  | 6.039  | 0.0 | 25.929  | 7.617  | 0.0 | 157.746 | 2.917  | 0.0 | 74.243  | 4.397  | 0.0   | 1.421 | 0.0 | 0.0 | 1.785 | 0.0   | 0.0 | 1.844 | 0.0   | 0.0 | 2.141 | 0.0   |
| 148 | 17592 | 17593 | SN | 1 | 0.0   | 23.356  | 6.036  | 0.0 | 25.827  | 7.61   | 0.0 | 157.746 | 2.917  | 0.0 | 70.338  | 4.399  | 0.0   | 1.421 | 0.0 | 0.0 | 1.785 | 0.0   | 0.0 | 1.844 | 0.0   | 0.0 | 2.141 | 0.0   |
| 149 | 17592 | 17593 | SN | 1 | 0.0   | 29.831  | 13.254 | 0.0 | 27.387  | 13.14  | 0.0 | 160.156 | 11.191 | 0.0 | 219.186 | 14.175 | 0.0   | 1.433 | 0.0 | 0.0 | 1.784 | 0.0   | 0.0 | 1.829 | 0.0   | 0.0 | 2.14  | 0.0   |
| 150 | 17592 | 17593 | SN | 1 | 0.0   | 29.831  | 13.254 | 0.0 | 27.393  | 13.109 | 0.0 | 160.156 | 11.191 | 0.0 | 219.186 | 14.189 | 0.0   | 1.433 | 0.0 | 0.0 | 1.784 | 0.0   | 0.0 | 1.829 | 0.0   | 0.0 | 2.14  | 0.0   |
| 151 | 17592 | 17593 | SN | 1 | 0.0   | 23.356  | 6.151  | 0.0 | 24.249  | 7.526  | 0.0 | 157.746 | 3.062  | 0.0 | 57.784  | 4.227  | 0.0   | 1.421 | 0.0 | 0.0 | 1.785 | 0.0   | 0.0 | 1.844 | 0.0   | 0.0 | 2.141 | 0.0   |
| 152 | 17592 | 17593 | NS | 1 | 0.0   | 68.317  | 5.939  | 0.0 | 24.597  | 6.553  | 0.0 | 167.11  | 2.155  | 0.0 | 49.949  | 2.844  | 0.0   | 1.426 | 0.0 | 0.0 | 1.781 | 0.0   | 0.0 | 1.847 | 0.0   | 0.0 | 2.135 | 0.0   |
| 153 | 17593 | 17594 | NS | 1 | 0.0   | 55.087  | 10.217 | 0.0 | 30.349  | 14.11  | 0.0 | 205.111 | 9.557  | 0.0 | 34.436  | 12.073 | 0.0   | 1.414 | 0.0 | 0.0 | 1.781 | 0.0   | 0.0 | 1.845 | 0.0   | 0.0 | 2.137 | 0.0   |
| 154 | 17593 | 17594 | NS | 1 | 0.0   | 53.534  | 5.975  | 0.0 | 24.569  | 6.538  | 0.0 | 348.049 | 2.13   | 0.0 | 43.028  | 2.811  | 0.0   | 1.426 | 0.0 | 0.0 | 1.777 | 0.0   | 0.0 | 1.845 | 0.0   | 0.0 | 2.135 | 0.0   |
| 155 | 17593 | 17594 | NS | 1 | 0.0   | 157.966 | 10.217 | 0.0 | 30.09   | 14.037 | 0.0 | 187.601 | 9.507  | 0.0 | 34.325  | 11.959 | 0.0   | 1.411 | 0.0 | 0.0 | 1.78  | 0.0   | 0.0 | 1.843 | 0.0   | 0.0 | 2.134 | 0.0   |
| 156 | 17593 | 17594 | NS | 1 | 0.0   | 25.507  | 5.995  | 0.0 | 24.558  | 6.57   | 0.0 | 248.068 | 2.144  | 0.0 | 43.392  | 2.855  | 0.0   | 1.431 | 0.0 | 0.0 | 1.779 | 0.0   | 0.0 | 1.847 | 0.0   | 0.0 | 2.137 | 0.0   |
| 157 | 17593 | 17594 | SN | 1 | 0.0   | 23.378  | 6.011  | 0.0 | 125.646 | 7.582  | 0.0 | 203.746 | 2.898  | 0.0 | 62.342  | 4.382  | 0.0   | 1.422 | 0.0 | 0.0 | 1.784 | 0.0   | 0.0 | 1.846 | 0.0   | 0.0 | 2.141 | 0.0   |
| 158 | 17593 | 17594 | SN | 1 | 0.0   | 23.378  | 6.011  | 0.0 | 125.646 | 7.582  | 0.0 | 203.746 | 2.898  | 0.0 | 62.342  | 4.382  | 0.0   | 1.422 | 0.0 | 0.0 | 1.784 | 0.0   | 0.0 | 1.846 | 0.0   | 0.0 | 2.141 | 0.0   |
| 159 | 17593 | 17594 | SN | 1 | 0.0   | 29.803  | 13.308 | 0.0 | 182.825 | 13.086 | 0.0 | 155.606 | 11.094 | 0.0 | 64.481  | 14.052 | 0.0   | 1.435 | 0.0 | 0.0 | 1.785 | 0.0   | 0.0 | 1.839 | 0.0   | 0.0 | 2.14  | 0.0   |
| 160 | 17593 | 17594 | SN | 1 | 0.0   | 29.803  | 13.308 | 0.0 | 182.825 | 13.086 | 0.0 | 155.606 | 11.094 | 0.0 | 64.481  | 14.052 | 0.0   | 1.435 | 0.0 | 0.0 | 1.785 | 0.0   | 0.0 | 1.839 | 0.0   | 0.0 | 2.14  | 0.0   |
| 161 | 17594 | 17595 | NS | 1 | 0.0   | 201.446 | 5.982  | 0.0 | 24.553  | 6.553  | 0.0 | 355.946 | 2.149  | 0.0 | 54.499  | 2.885  | 0.0   | 1.436 | 0.0 | 0.0 | 1.78  | 0.0   | 0.0 | 1.846 | 0.0   | 0.0 | 2.139 | 0.0   |
| 162 | 17594 | 17595 | SN | 1 | 0.0   | 23.362  | 6.006  | 0.0 | 26.116  | 7.563  | 0.0 | 161.347 | 2.939  | 0.0 | 168.806 | 4.369  | 0.0   | 1.416 | 0.0 | 0.0 | 1.783 | 0.0   | 0.0 | 1.84  | 0.0   | 0.0 | 2.138 | 0.0   |
| 163 | 17594 | 17595 | NS | 1 | 0.0   | 201.446 | 5.982  | 0.0 | 24.553  | 6.55   | 0.0 | 355.946 | 2.149  | 0.0 | 54.494  | 2.89   | 0.0   | 1.436 | 0.0 | 0.0 | 1.78  | 0.0   | 0.0 | 1.846 | 0.0   | 0.0 | 2.139 | 0.0   |
| 164 | 17594 | 17595 | NS | 1 | 1.417 | 212.554 | 10.146 | 0.0 | 30.112  | 14.113 | 0.0 | 347.139 | 9.477  | 0.0 | 35.671  | 12.056 | 0.104 | 1.405 | 0.0 | 0.0 | 1.782 | 0.0   | 0.0 | 1.843 | 0.0   | 0.0 | 2.138 | 0.0   |
| 165 | 17594 | 17595 | SN | 1 | 0.0   | 29.952  | 13.297 | 0.0 | 27.387  | 13.098 | 0.0 | 166.608 | 11.029 | 0.0 | 128.304 | 14.018 | 0.0   | 1.429 | 0.0 | 0.0 | 1.784 | 0.0   | 0.0 | 1.835 | 0.0   | 0.0 | 2.138 | 0.0   |
| 166 | 17594 | 17595 | NS | 1 | 1.417 | 212.554 | 10.136 | 0.0 | 30.189  | 14.093 | 0.0 | 347.139 | 9.491  | 0.0 | 35.666  | 12.041 | 0.104 | 1.405 | 0.0 | 0.0 | 1.782 | 0.0   | 0.0 | 1.843 | 0.0   | 0.0 | 2.138 | 0.0   |
| 167 | 17595 | 17596 | NS | 1 | 0.0   | 278.463 | 6.029  | 0.0 | 29.82   | 6.592  | 0.0 | 355.957 | 2.25   | 0.0 | 55.718  | 2.9    | 0.0   | 1.428 | 0.0 | 0.0 | 1.777 | 0.0   | 0.0 | 1.842 | 0.0   | 0.0 | 2.134 | 0.0   |
| 168 | 17595 | 17596 | SN | 1 | 0.0   | 29.98   | 13.367 | 0.0 | 69.111  | 13.099 | 0.0 | 161.49  | 11.151 | 0.0 | 169.815 | 14.127 | 0.0   | 1.428 | 0.0 | 0.0 | 1.785 | 0.0   | 0.0 | 1.837 | 0.0   | 0.0 | 2.138 | 0.0   |
| 169 | 17595 | 17596 | SN | 1 | 0.0   | 23.389  | 6.004  | 0.0 | 230.458 | 7.588  | 0.0 | 166.52  | 2.957  | 0.0 | 237.181 | 4.376  | 0.0   | 1.416 | 0.0 | 0.0 | 1.783 | 0.0   | 0.0 | 1.842 | 0.0   | 0.0 | 2.139 | 0.0   |
| 170 | 17595 | 17596 | NS | 1 | 0.0   | 72.398  | 10.267 | 0.0 | 30.211  | 14.135 | 0.0 | 347.409 | 9.619  | 0.0 | 38.991  | 12.06  | 0.0   | 1.404 | 0.0 | 0.0 | 1.779 | 0.0   | 0.0 | 1.832 | 0.0   | 0.0 | 2.134 | 0.0   |
| 171 | 17595 | 17596 | SN | 1 | 0.0   | 29.98   | 13.367 | 0.0 | 69.111  | 13.099 | 0.0 | 161.49  | 11.151 | 0.0 | 169.815 | 14.127 | 0.0   | 1.428 | 0.0 | 0.0 | 1.785 | 0.0   | 0.0 | 1.837 | 0.0   | 0.0 | 2.138 | 0.0   |
| 172 | 17595 | 17596 | NS | 1 | 0.0   | 278.463 | 6.031  | 0.0 | 29.82   | 6.592  | 0.0 | 355.957 | 2.25   | 0.0 | 55.729  | 2.902  | 0.0   | 1.428 | 0.0 | 0.0 | 1.777 | 0.0   | 0.0 | 1.842 | 0.0   | 0.0 | 2.134 | 0.0   |
| 173 | 17595 | 17596 | SN | 1 | 0.0   | 23.389  | 6.004  | 0.0 | 230.458 | 7.588  | 0.0 | 166.52  | 2.957  | 0.0 | 237.181 | 4.376  | 0.0   | 1.416 | 0.0 | 0.0 | 1.783 | 0.0   | 0.0 | 1.842 | 0.0   | 0.0 | 2.139 | 0.0   |
| 174 | 17595 | 17596 | NS | 1 | 0.0   | 72.398  | 10.267 | 0.0 | 30.222  | 14.135 | 0.0 | 347.409 | 9.619  | 0.0 | 38.986  | 12.06  | 0.0   | 1.404 | 0.0 | 0.0 | 1.779 | 0.0   | 0.0 | 1.832 | 0.0   | 0.0 | 2.134 | 0.0   |
| 175 | 17596 | 17597 | NS | 1 | 0.0   | 240.214 | 10.166 | 0.0 | 29.809  | 13.808 | 0.0 | 355.081 | 9.684  | 0.0 | 17.466  | 11.694 | 0.0   | 1.4   | 0.0 | 0.0 | 1.78  | 0.0   | 0.0 | 1.835 | 0.0   | 0.0 | 2.133 | 0.0   |
| 176 | 17596 | 17597 | NS | 1 | 0.0   | 240.214 | 10.149 | 0.0 | 30.184  | 14.014 | 0.0 | 355.081 | 9.516  | 0.0 | 35.191  | 11.955 | 0.0   | 1.4   | 0.0 | 0.0 | 1.78  | 0.0   | 0.0 | 1.835 | 0.0   | 0.0 | 2.133 | 0.0   |
| 177 | 17596 | 17597 | NS | 1 | 0.0   | 159.954 | 6.065  | 0.0 | 24.564  | 6.541  | 0.0 | 175.989 | 2.191  | 0.0 | 12.789  | 2.738  | 0.0   | 1.43  | 0.0 | 0.0 | 1.777 | 0.0   | 0.0 | 1.842 | 0.0   | 0.0 | 2.135 | 0.0   |
| 178 | 17596 | 17597 | NS | 1 | 0.0   | 240.214 | 10.169 | 0.0 | 30.184  | 14.014 | 0.0 | 355.081 | 9.531  | 0.0 | 35.18   | 11.977 | 0.0   | 1.4   | 0.0 | 0.0 | 1.78  | 0.0   | 0.0 | 1.835 | 0.0   | 0.0 | 2.133 | 0.0   |
| 179 | 17596 | 17597 | SN | 1 | 0.0   | 29.842  | 13.347 | 0.0 | 27.332  | 13.089 | 0.0 | 182.558 | 11.172 | 0.0 | 259.114 | 14.156 | 0.0   | 1.428 | 0.0 | 0.0 | 1.786 | 0.0   | 0.0 | 1.837 | 0.0   | 0.0 | 2.139 | 0.0   |

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

|     |       |       |    |   |       |         |        |     |         |        |     |         |        |     |         |        |       |       |     |     |       |     |     |       |     |     |       |     |
|-----|-------|-------|----|---|-------|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-------|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 180 | 17596 | 17597 | NS | 1 | 0.0   | 159.954 | 5.987  | 0.0 | 24.564  | 6.547  | 0.0 | 175.989 | 2.153  | 0.0 | 62.182  | 2.833  | 0.0   | 1.43  | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.135 | 0.0 |
| 181 | 17596 | 17597 | NS | 1 | 0.0   | 159.943 | 5.98   | 0.0 | 24.564  | 6.542  | 0.0 | 186.054 | 2.153  | 0.0 | 62.16   | 2.835  | 0.0   | 1.43  | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.135 | 0.0 |
| 182 | 17596 | 17597 | SN | 1 | 0.0   | 29.842  | 13.347 | 0.0 | 27.332  | 13.089 | 0.0 | 182.558 | 11.172 | 0.0 | 259.114 | 14.156 | 0.0   | 1.428 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.139 | 0.0 |
| 183 | 17596 | 17597 | SN | 1 | 0.0   | 23.384  | 6.018  | 0.0 | 24.266  | 7.593  | 0.0 | 191.111 | 2.938  | 0.0 | 60.155  | 4.398  | 0.0   | 1.417 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.84  | 0.0 | 0.0 | 2.139 | 0.0 |
| 184 | 17596 | 17597 | SN | 1 | 0.0   | 23.384  | 6.018  | 0.0 | 24.266  | 7.593  | 0.0 | 191.111 | 2.938  | 0.0 | 60.155  | 4.398  | 0.0   | 1.417 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.84  | 0.0 | 0.0 | 2.139 | 0.0 |
| 185 | 17597 | 17598 | NS | 1 | 0.0   | 255.347 | 5.994  | 0.0 | 24.553  | 6.551  | 0.0 | 174.409 | 2.144  | 0.0 | 65.215  | 2.851  | 0.0   | 1.427 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.137 | 0.0 |
| 186 | 17597 | 17598 | NS | 1 | 0.0   | 255.347 | 5.994  | 0.0 | 24.553  | 6.551  | 0.0 | 174.409 | 2.144  | 0.0 | 65.215  | 2.851  | 0.0   | 1.427 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.137 | 0.0 |
| 187 | 17597 | 17598 | SN | 1 | 0.0   | 22.066  | 6.007  | 0.0 | 26.544  | 7.568  | 0.0 | 191.988 | 2.949  | 0.0 | 74.188  | 4.387  | 0.0   | 1.416 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.139 | 0.0 |
| 188 | 17597 | 17598 | SN | 1 | 0.0   | 22.066  | 6.007  | 0.0 | 26.544  | 7.568  | 0.0 | 191.988 | 2.949  | 0.0 | 74.188  | 4.387  | 0.0   | 1.416 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.139 | 0.0 |
| 189 | 17597 | 17598 | SN | 1 | 0.728 | 29.632  | 13.315 | 0.0 | 27.393  | 13.102 | 0.0 | 174.754 | 11.204 | 0.0 | 68.557  | 14.105 | 0.1   | 1.43  | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.14  | 0.0 |
| 190 | 17597 | 17598 | SN | 1 | 0.728 | 29.632  | 13.315 | 0.0 | 27.393  | 13.102 | 0.0 | 174.754 | 11.204 | 0.0 | 68.557  | 14.105 | 0.1   | 1.43  | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.14  | 0.0 |
| 191 | 17597 | 17598 | NS | 1 | 0.0   | 125.469 | 10.129 | 0.0 | 30.255  | 14.106 | 0.0 | 355.185 | 9.488  | 0.0 | 36.173  | 11.991 | 0.0   | 1.403 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.134 | 0.0 |
| 192 | 17597 | 17598 | NS | 1 | 0.0   | 125.469 | 10.129 | 0.0 | 30.255  | 14.106 | 0.0 | 355.185 | 9.488  | 0.0 | 36.173  | 11.991 | 0.0   | 1.403 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.134 | 0.0 |
| 193 | 17598 | 17599 | NS | 1 | 0.0   | 238.598 | 6.295  | 0.0 | 24.558  | 6.712  | 0.0 | 343.19  | 2.374  | 0.0 | 12.8    | 2.927  | 0.0   | 1.426 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.135 | 0.0 |
| 194 | 17598 | 17599 | SN | 1 | 0.722 | 29.461  | 13.335 | 0.0 | 190.052 | 13.061 | 0.0 | 158.909 | 11.176 | 0.0 | 66.18   | 14.076 | 0.099 | 1.429 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.135 | 0.0 |
| 195 | 17598 | 17599 | NS | 1 | 0.0   | 240.799 | 10.177 | 0.0 | 29.814  | 14.049 | 0.0 | 138.435 | 9.52   | 0.0 | 34.143  | 12.052 | 0.0   | 1.406 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.133 | 0.0 |
| 196 | 17598 | 17599 | NS | 1 | 0.0   | 238.598 | 5.986  | 0.0 | 24.558  | 6.544  | 0.0 | 343.19  | 2.154  | 0.0 | 65.298  | 2.857  | 0.0   | 1.426 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.135 | 0.0 |
| 197 | 17598 | 17599 | SN | 1 | 0.722 | 29.461  | 13.325 | 0.0 | 190.058 | 13.071 | 0.0 | 158.904 | 11.19  | 0.0 | 66.191  | 14.069 | 0.099 | 1.429 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.135 | 0.0 |
| 198 | 17598 | 17599 | SN | 1 | 0.0   | 23.373  | 5.984  | 0.0 | 190.052 | 7.588  | 0.0 | 179.017 | 2.931  | 0.0 | 75.942  | 4.373  | 0.0   | 1.417 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.84  | 0.0 | 0.0 | 2.138 | 0.0 |
| 199 | 17598 | 17599 | NS | 1 | 0.0   | 240.799 | 10.362 | 0.0 | 29.814  | 13.405 | 0.0 | 138.435 | 10.387 | 0.0 | 13.076  | 11.559 | 0.0   | 1.406 | 0.0 | 0.0 | 1.78  | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.133 | 0.0 |
| 200 | 17598 | 17599 | SN | 1 | 0.0   | 23.373  | 5.989  | 0.0 | 190.058 | 7.584  | 0.0 | 178.984 | 2.934  | 0.0 | 75.953  | 4.38   | 0.0   | 1.417 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.84  | 0.0 | 0.0 | 2.138 | 0.0 |
| 201 | 17599 | 17600 | SN | 1 | 0.0   | 23.378  | 6.098  | 0.0 | 24.266  | 7.521  | 0.0 | 178.063 | 3.061  | 0.0 | 14.229  | 4.192  | 0.0   | 1.416 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.138 | 0.0 |
| 202 | 17599 | 17600 | NS | 1 | 0.0   | 235.466 | 5.995  | 0.0 | 24.558  | 6.543  | 0.0 | 140.867 | 2.163  | 0.0 | 43.039  | 2.862  | 0.0   | 1.429 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.135 | 0.0 |
| 203 | 17599 | 17600 | NS | 1 | 0.0   | 192.636 | 10.167 | 0.0 | 29.809  | 13.987 | 0.0 | 353.112 | 9.557  | 0.0 | 34.761  | 12.066 | 0.0   | 1.408 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.133 | 0.0 |
| 204 | 17599 | 17600 | NS | 1 | 0.0   | 57.651  | 6.494  | 0.0 | 24.558  | 6.906  | 0.0 | 140.867 | 2.54   | 0.0 | 12.8    | 3.133  | 0.0   | 1.429 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.135 | 0.0 |
| 205 | 17599 | 17600 | NS | 1 | 0.0   | 90.851  | 10.501 | 0.0 | 29.809  | 13.378 | 0.0 | 353.112 | 11.092 | 0.0 | 13.076  | 11.74  | 0.0   | 1.408 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.133 | 0.0 |
| 206 | 17599 | 17600 | SN | 1 | 0.0   | 29.853  | 13.288 | 0.0 | 27.393  | 13.096 | 0.0 | 151.37  | 11.024 | 0.0 | 67.768  | 14.046 | 0.0   | 1.428 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.14  | 0.0 |
| 207 | 17599 | 17600 | SN | 1 | 0.0   | 23.378  | 6.0    | 0.0 | 24.955  | 7.603  | 0.0 | 178.063 | 2.936  | 0.0 | 63.98   | 4.357  | 0.0   | 1.416 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.138 | 0.0 |
| 208 | 17599 | 17600 | NS | 1 | 0.0   | 192.636 | 10.167 | 0.0 | 29.809  | 13.987 | 0.0 | 353.112 | 9.557  | 0.0 | 34.761  | 12.066 | 0.0   | 1.408 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.133 | 0.0 |
| 209 | 17599 | 17600 | NS | 1 | 0.0   | 235.466 | 5.995  | 0.0 | 24.558  | 6.543  | 0.0 | 140.867 | 2.163  | 0.0 | 43.039  | 2.862  | 0.0   | 1.429 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.135 | 0.0 |
| 210 | 17599 | 17600 | SN | 1 | 0.0   | 29.853  | 13.397 | 0.0 | 25.672  | 12.514 | 0.0 | 151.37  | 11.411 | 0.0 | 14.725  | 13.184 | 0.0   | 1.428 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.14  | 0.0 |

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