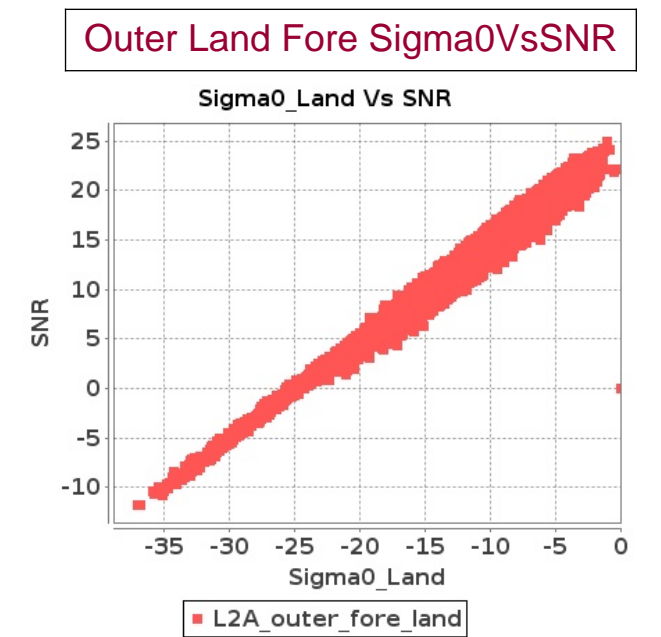
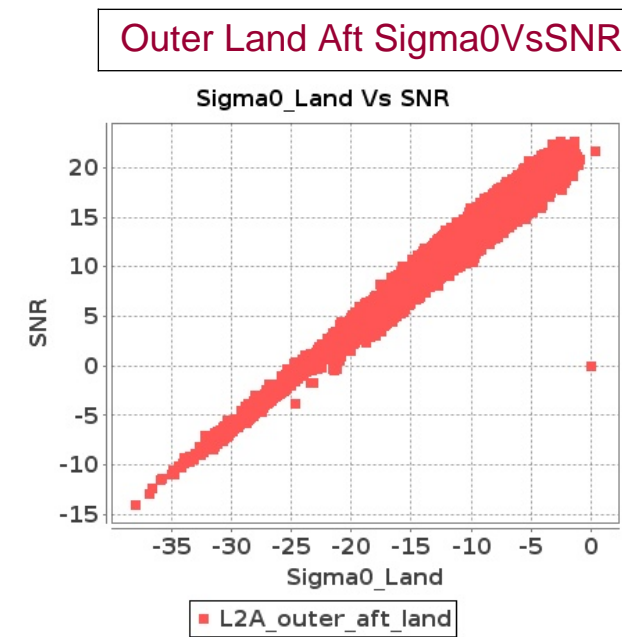
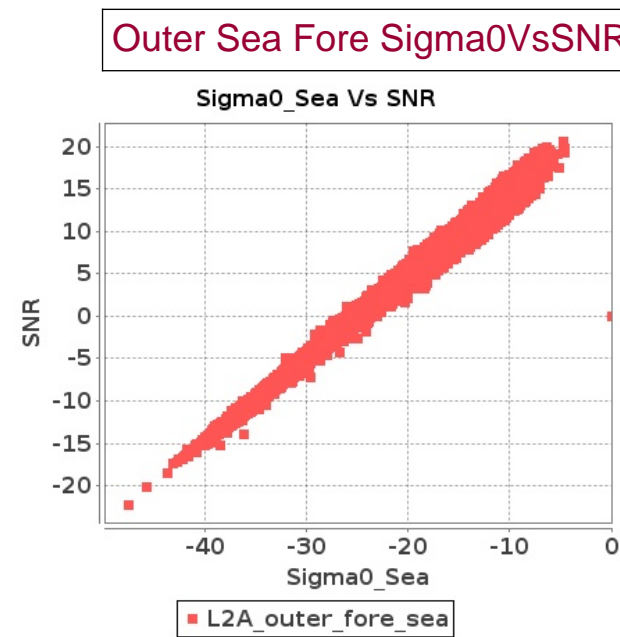
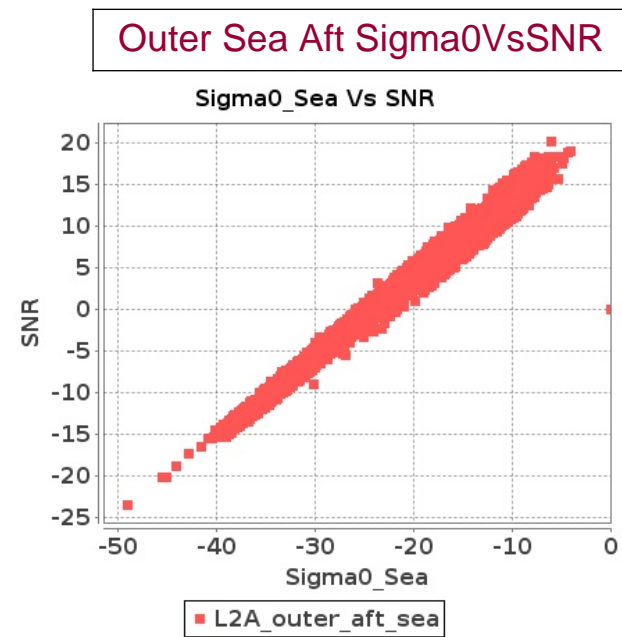
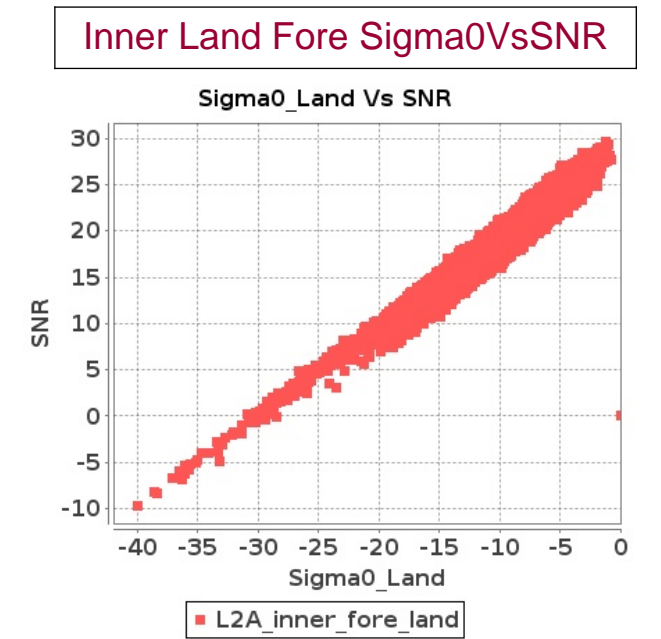
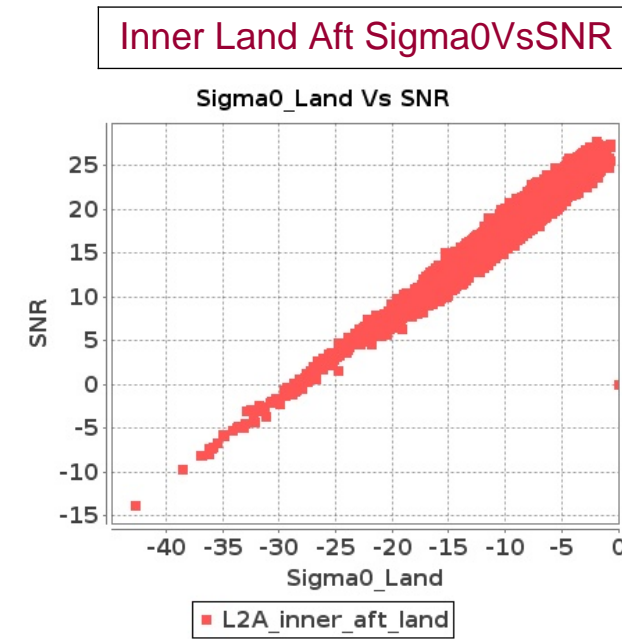
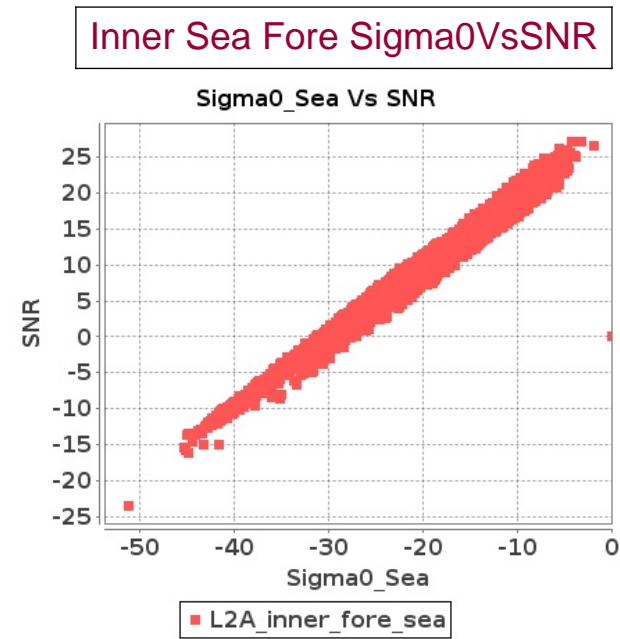
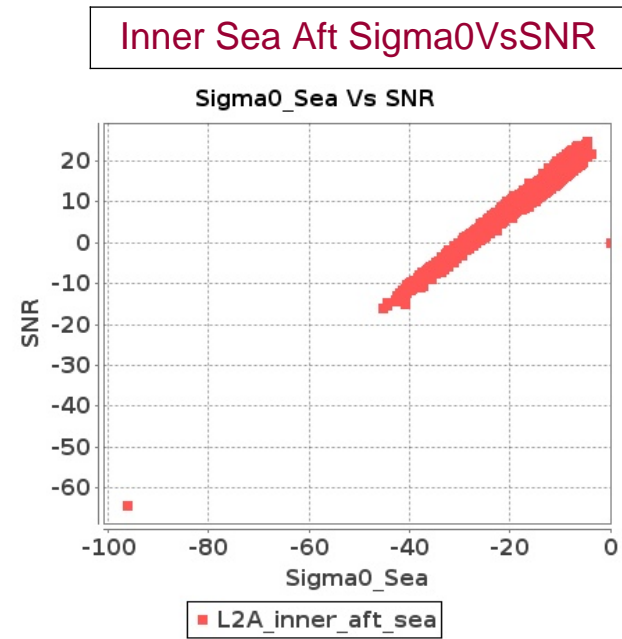


# SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 15-OCT-2017 To 16-OCT-2017



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

Report between 15-OCT-2017 To 16-OCT-2017

| 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     | 5565        | 5566      | NS   | 1    | 0.0       | 51.206 | 2.741      | 0.0        | 47.663 | 2.498      | 0.0       | 45.825 | 1.831      | 0.0        | 46.586 | 1.802      | 0.0       | 49.741 | 2.511      | 0.0        | 44.942 | 2.28       | 0.0       | 42.934 | 1.626      | 0.0        | 46.461 | 1.562      |
| 2     | 5565        | 5566      | NS   | 1    | 0.0       | 51.206 | 2.741      | 0.0        | 47.663 | 2.498      | 0.0       | 45.825 | 1.831      | 0.0        | 46.586 | 1.802      | 0.0       | 49.741 | 2.511      | 0.0        | 44.942 | 2.28       | 0.0       | 42.934 | 1.626      | 0.0        | 46.461 | 1.562      |
| 3     | 5565        | 5566      | SN   | 1    | 0.0       | 50.796 | 5.779      | 0.0        | 53.987 | 4.921      | 0.0       | 43.062 | 3.513      | 0.0        | 49.253 | 3.295      | 0.0       | 48.275 | 4.84       | 0.0        | 51.038 | 4.186      | 0.0       | 40.021 | 3.023      | 0.0        | 52.944 | 2.844      |
| 4     | 5565        | 5566      | SN   | 1    | 0.0       | 50.796 | 5.779      | 0.0        | 53.987 | 4.921      | 0.0       | 43.062 | 3.513      | 0.0        | 49.253 | 3.295      | 0.0       | 48.275 | 4.84       | 0.0        | 51.038 | 4.186      | 0.0       | 40.021 | 3.023      | 0.0        | 52.944 | 2.844      |
| 5     | 5565        | 5566      | SN   | 1    | 0.0       | 51.371 | 1.711      | 0.0        | 42.527 | 1.47       | 0.0       | 40.437 | 0.972      | 0.0        | 43.158 | 0.987      | 0.0       | 51.85  | 1.378      | 0.0        | 43.765 | 1.253      | 0.0       | 38.787 | 0.763      | 0.0        | 42.375 | 0.793      |
| 6     | 5565        | 5566      | SN   | 1    | 0.0       | 50.796 | 5.876      | 0.0        | 53.987 | 4.988      | 0.0       | 43.062 | 3.572      | 0.0        | 49.253 | 3.355      | 0.0       | 48.275 | 4.929      | 0.0        | 51.038 | 4.24       | 0.0       | 40.021 | 3.073      | 0.0        | 52.944 | 2.897      |
| 7     | 5565        | 5566      | SN   | 1    | 0.0       | 51.371 | 1.687      | 0.0        | 42.527 | 1.444      | 0.0       | 40.437 | 0.956      | 0.0        | 43.158 | 0.968      | 0.0       | 51.85  | 1.357      | 0.0        | 43.765 | 1.232      | 0.0       | 38.787 | 0.751      | 0.0        | 42.375 | 0.777      |
| 8     | 5565        | 5566      | NS   | 1    | 0.0       | 59.72  | 9.745      | 0.0        | 54.886 | 8.543      | 0.0       | 46.043 | 6.132      | 0.0        | 52.159 | 6.207      | 0.0       | 56.816 | 8.95       | 0.0        | 53.685 | 7.92       | 0.0       | 45.027 | 5.613      | 0.0        | 50.072 | 5.56       |
| 9     | 5565        | 5566      | NS   | 1    | 0.0       | 59.72  | 9.745      | 0.0        | 54.886 | 8.543      | 0.0       | 46.043 | 6.132      | 0.0        | 52.159 | 6.207      | 0.0       | 56.816 | 8.95       | 0.0        | 53.685 | 7.92       | 0.0       | 45.027 | 5.613      | 0.0        | 50.072 | 5.56       |
| 10    | 5565        | 5566      | SN   | 1    | 0.0       | 51.371 | 1.687      | 0.0        | 42.527 | 1.444      | 0.0       | 40.437 | 0.956      | 0.0        | 43.158 | 0.968      | 0.0       | 51.85  | 1.357      | 0.0        | 43.765 | 1.232      | 0.0       | 38.787 | 0.751      | 0.0        | 42.375 | 0.777      |
| 11    | 5566        | 5567      | NS   | 1    | 0.0       | 53.387 | 4.443      | 0.0        | 53.876 | 4.001      | 0.0       | 51.456 | 3.771      | 0.0        | 53.218 | 3.445      | 0.0       | 52.899 | 4.513      | 0.0        | 53.7   | 4.323      | 0.0       | 50.163 | 4.062      | 0.0        | 54.138 | 3.516      |
| 12    | 5566        | 5567      | NS   | 1    | 0.0       | 51.945 | 1.676      | 0.0        | 45.471 | 1.517      | 0.0       | 47.208 | 1.113      | 0.0        | 40.273 | 1.126      | 0.0       | 48.859 | 1.644      | 0.0        | 47.354 | 1.533      | 0.0       | 42.731 | 1.147      | 0.0        | 40.0   | 1.16       |
| 13    | 5566        | 5567      | NS   | 1    | 0.0       | 49.011 | 1.66       | 0.0        | 46.517 | 1.527      | 0.0       | 51.546 | 1.265      | 0.0        | 50.536 | 1.187      | 0.0       | 48.297 | 1.678      | 0.0        | 45.812 | 1.536      | 0.0       | 48.037 | 1.244      | 0.0        | 47.67  | 1.185      |
| 14    | 5566        | 5567      | SN   | 1    | 0.0       | 49.018 | 6.389      | 0.0        | 48.913 | 5.658      | 0.0       | 38.311 | 4.148      | 0.0        | 47.419 | 4.43       | 0.0       | 49.377 | 6.42       | 0.0        | 48.16  | 5.293      | 0.0       | 38.47  | 4.226      | 0.0        | 47.83  | 4.12       |
| 15    | 5566        | 5567      | SN   | 1    | 0.0       | 49.018 | 6.389      | 0.0        | 48.913 | 5.658      | 0.0       | 38.311 | 4.148      | 0.0        | 47.419 | 4.43       | 0.0       | 49.377 | 6.42       | 0.0        | 48.16  | 5.293      | 0.0       | 38.47  | 4.226      | 0.0        | 47.83  | 4.12       |
| 16    | 5566        | 5567      | SN   | 1    | 0.0       | 44.354 | 1.874      | 0.0        | 45.68  | 1.714      | 0.0       | 35.723 | 1.491      | 0.0        | 42.116 | 1.398      | 0.0       | 43.317 | 1.874      | 0.0        | 44.853 | 1.587      | 0.0       | 38.267 | 1.429      | 0.0        | 39.609 | 1.252      |
| 17    | 5566        | 5567      | SN   | 1    | 0.0       | 44.354 | 1.885      | 0.0        | 45.68  | 1.727      | 0.0       | 35.723 | 1.5        | 0.0        | 42.116 | 1.407      | 0.0       | 43.317 | 1.882      | 0.0        | 44.853 | 1.599      | 0.0       | 38.267 | 1.444      | 0.0        | 39.609 | 1.262      |
| 18    | 5566        | 5567      | SN   | 1    | 0.0       | 44.354 | 1.885      | 0.0        | 45.68  | 1.727      | 0.0       | 35.723 | 1.5        | 0.0        | 42.116 | 1.407      | 0.0       | 43.317 | 1.882      | 0.0        | 44.853 | 1.599      | 0.0       | 38.267 | 1.444      | 0.0        | 39.609 | 1.262      |
| 19    | 5566        | 5567      | SN   | 1    | 0.0       | 49.018 | 6.341      | 0.0        | 48.913 | 5.605      | 0.0       | 36.122 | 4.102      | 0.0        | 47.419 | 4.395      | 0.0       | 49.377 | 6.381      | 0.0        | 48.16  | 5.253      | 0.0       | 37.452 | 4.173      | 0.0        | 47.83  | 4.088      |
| 20    | 5566        | 5567      | NS   | 1    | 0.0       | 51.391 | 4.575      | 0.0        | 53.876 | 4.22       | 0.0       | 53.648 | 3.518      | 0.0        | 50.267 | 3.437      | 0.0       | 49.674 | 4.484      | 0.0        | 53.7   | 4.24       | 0.0       | 49.496 | 3.745      | 0.0        | 45.759 | 3.615      |
| 21    | 5567        | 5568      | SN   | 1    | 0.0       | 42.662 | 3.34       | 0.0        | 42.306 | 2.406      | 0.0       | 45.389 | 3.093      | 0.0        | 41.228 | 2.638      | 0.0       | 40.906 | 2.57       | 0.0        | 46.077 | 1.852      | 0.0       | 42.631 | 2.419      | 0.0        | 39.246 | 2.123      |
| 22    | 5567        | 5568      | NS   | 1    | 0.0       | 44.849 | 1.69       | 0.0        | 42.043 | 1.584      | 0.0       | 41.081 | 1.261      | 0.0        | 42.58  | 1.263      | 0.0       | 41.157 | 1.456      | 0.0        | 44.477 | 1.37       | 0.0       | 42.751 | 1.208      | 0.0        | 42.838 | 1.056      |
| 23    | 5567        | 5568      | SN   | 1    | 0.0       | 42.662 | 3.34       | 0.0        | 42.306 | 2.406      | 0.0       | 45.389 | 3.093      | 0.0        | 41.228 | 2.638      | 0.0       | 40.906 | 2.57       | 0.0        | 46.077 | 1.852      | 0.0       | 42.631 | 2.419      | 0.0        | 39.246 | 2.123      |
| 24    | 5567        | 5568      | NS   | 1    | 0.0       | 55.636 | 4.385      | 0.0        | 51.405 | 4.36       | 0.0       | 49.379 | 3.447      | 0.0        | 44.148 | 3.988      | 0.0       | 51.859 | 3.822      | 0.0        | 48.8   | 3.747      | 0.0       | 53.378 | 3.248      | 0.0        | 45.207 | 3.69       |
| 25    | 5567        | 5568      | SN   | 1    | 0.0       | 42.662 | 3.383      | 0.0        | 42.306 | 2.436      | 0.0       | 45.389 | 3.134      | 0.0        | 41.228 | 2.672      | 0.0       | 40.906 | 2.603      | 0.0        | 46.077 | 1.876      | 0.0       | 42.631 | 2.451      | 0.0        | 39.246 | 2.151      |
| 26    | 5567        | 5568      | SN   | 1    | 0.0       | 40.689 | 1.227      | 0.0        | 38.443 | 0.778      | 0.0       | 42.36  | 1.071      | 0.0        | 41.152 | 0.929      | 0.0       | 42.306 | 0.921      | 0.0        | 37.662 | 0.518      | 0.0       | 42.256 | 0.795      | 0.0        | 43.772 | 0.732      |
| 27    | 5567        | 5568      | SN   | 1    | 0.0       | 40.689 | 1.211      | 0.0        | 38.443 | 0.768      | 0.0       | 42.36  | 1.057      | 0.0        | 41.152 | 0.917      | 0.0       | 42.306 | 0.909      | 0.0        | 37.662 | 0.512      | 0.0       | 42.256 | 0.784      | 0.0        | 43.772 | 0.723      |
| 28    | 5567        | 5568      | SN   | 1    | 0.0       | 40.689 | 1.211      | 0.0        | 38.443 | 0.768      | 0.0       | 42.36  | 1.057      | 0.0        | 41.152 | 0.917      | 0.0       | 42.306 | 0.909      | 0.0        | 37.662 | 0.512      | 0.0       | 42.256 | 0.784      | 0.0        | 43.772 | 0.723      |
| 29    | 5568        | 5569      | SN   | 1    | 0.0       | 42.196 | 4.81       | 0.0        | 50.46  | 3.674      | 0.0       | 42.805 | 2.972      | 0.0        | 42.136 | 3.088      | 0.0       | 42.005 | 3.79       | 0.0        | 49.553 | 3.1        | 0.0       | 40.762 | 2.546      | 0.0        | 42.524 | 2.602      |
| 30    | 5568        | 5569      | SN   | 1    | 0.0       | 42.196 | 4.81       | 0.0        | 50.46  | 3.674      | 0.0       | 42.805 | 2.972      | 0.0        | 42.136 | 3.088      | 0.0       | 42.005 | 3.79       | 0.0        | 49.553 | 3.1        | 0.0       | 40.762 | 2.546      | 0.0        | 42.524 | 2.602      |
| 31    | 5568        | 5569      | NS   | 1    | 0.0       | 51.995 | 6.224      | 0.0        | 49.905 | 5.936      | 0.0       | 47.391 | 4.349      | 0.0        | 45.879 | 4.252      | 0.0       | 50.184 | 5.61       | 0.0        | 50.753 | 5.183      | 0.0       | 48.561 | 3.866      | 0.0        | 44.77  | 3.642      |

|                          |            |      |        |  |  |
|--------------------------|------------|------|--------|--|--|
| Parameter Specifications | Parameters | SNR  | Sigma0 | <span style="color: green;">■</span> Normal    | <span style="color: yellow;">■</span> Deviations |
|                          | Range      | 20.0 | 20.0   | <span style="color: orange;">■</span> Alarming | <span style="color: red;">■</span> High Errors   |

|    |      |      |    |   |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|----|------|------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 32 | 5568 | 5569 | NS | 1 | 0.0 | 51.928 | 6.256 | 0.0 | 53.859 | 5.796 | 0.0 | 45.111 | 4.215 | 0.0 | 50.254 | 4.329 | 0.0 | 50.342 | 5.411 | 0.0 | 54.912 | 5.002 | 0.0 | 44.985 | 3.81  | 0.0 | 50.912 | 3.789 |
| 33 | 5568 | 5569 | NS | 1 | 0.0 | 45.027 | 1.905 | 0.0 | 48.29  | 1.627 | 0.0 | 40.16  | 1.296 | 0.0 | 45.374 | 1.184 | 0.0 | 45.074 | 1.627 | 0.0 | 46.637 | 1.361 | 0.0 | 42.733 | 1.121 | 0.0 | 43.895 | 1.049 |
| 34 | 5568 | 5569 | NS | 1 | 0.0 | 49.147 | 1.906 | 0.0 | 48.896 | 1.657 | 0.0 | 46.608 | 1.326 | 0.0 | 41.849 | 1.251 | 0.0 | 51.067 | 1.602 | 0.0 | 49.487 | 1.438 | 0.0 | 41.901 | 1.183 | 0.0 | 42.175 | 1.082 |
| 35 | 5568 | 5569 | SN | 1 | 0.0 | 43.299 | 1.425 | 0.0 | 39.311 | 1.18  | 0.0 | 38.559 | 1.122 | 0.0 | 36.947 | 1.093 | 0.0 | 42.142 | 1.046 | 0.0 | 39.369 | 0.906 | 0.0 | 39.215 | 0.896 | 0.0 | 35.821 | 0.851 |
| 36 | 5568 | 5569 | SN | 1 | 0.0 | 43.299 | 1.425 | 0.0 | 39.311 | 1.18  | 0.0 | 38.559 | 1.122 | 0.0 | 36.947 | 1.093 | 0.0 | 42.142 | 1.046 | 0.0 | 39.369 | 0.906 | 0.0 | 39.215 | 0.896 | 0.0 | 35.821 | 0.851 |
| 37 | 5569 | 5570 | NS | 1 | 0.0 | 48.146 | 1.387 | 0.0 | 44.668 | 1.294 | 0.0 | 43.318 | 1.014 | 0.0 | 45.296 | 1.039 | 0.0 | 48.53  | 1.169 | 0.0 | 50.08  | 1.071 | 0.0 | 42.794 | 0.892 | 0.0 | 44.011 | 0.921 |
| 38 | 5569 | 5570 | NS | 1 | 0.0 | 49.541 | 4.253 | 0.0 | 48.816 | 4.57  | 0.0 | 42.973 | 3.503 | 0.0 | 48.639 | 3.514 | 0.0 | 47.446 | 3.901 | 0.0 | 47.271 | 3.746 | 0.0 | 41.61  | 2.992 | 0.0 | 48.58  | 3.081 |
| 39 | 5569 | 5570 | NS | 1 | 0.0 | 49.541 | 4.253 | 0.0 | 48.816 | 4.57  | 0.0 | 42.973 | 3.503 | 0.0 | 48.639 | 3.514 | 0.0 | 47.446 | 3.901 | 0.0 | 47.271 | 3.746 | 0.0 | 41.61  | 2.992 | 0.0 | 48.58  | 3.081 |
| 40 | 5569 | 5570 | SN | 1 | 0.0 | 42.716 | 4.968 | 0.0 | 50.649 | 3.944 | 0.0 | 36.777 | 3.63  | 0.0 | 40.4   | 3.868 | 0.0 | 39.837 | 4.006 | 0.0 | 49.697 | 3.247 | 0.0 | 37.277 | 3.131 | 0.0 | 39.754 | 3.513 |
| 41 | 5569 | 5570 | NS | 1 | 0.0 | 48.146 | 1.387 | 0.0 | 44.668 | 1.294 | 0.0 | 43.318 | 1.014 | 0.0 | 45.296 | 1.039 | 0.0 | 48.53  | 1.169 | 0.0 | 50.08  | 1.071 | 0.0 | 42.794 | 0.892 | 0.0 | 44.011 | 0.921 |
| 42 | 5569 | 5570 | SN | 1 | 0.0 | 48.913 | 1.852 | 0.0 | 39.176 | 1.414 | 0.0 | 38.07  | 1.449 | 0.0 | 40.349 | 1.396 | 0.0 | 44.717 | 1.536 | 0.0 | 38.474 | 1.102 | 0.0 | 36.908 | 1.183 | 0.0 | 39.266 | 1.2   |
| 43 | 5569 | 5570 | SN | 1 | 0.0 | 41.036 | 4.83  | 0.0 | 48.55  | 3.926 | 0.0 | 37.261 | 3.525 | 0.0 | 38.967 | 3.817 | 0.0 | 40.041 | 3.9   | 0.0 | 47.438 | 3.08  | 0.0 | 38.029 | 3.057 | 0.0 | 39.861 | 3.381 |
| 44 | 5569 | 5570 | SN | 1 | 0.0 | 42.716 | 4.89  | 0.0 | 50.649 | 3.855 | 0.0 | 36.777 | 3.525 | 0.0 | 40.4   | 3.746 | 0.0 | 39.837 | 3.93  | 0.0 | 49.697 | 3.161 | 0.0 | 37.277 | 3.05  | 0.0 | 39.754 | 3.396 |
| 45 | 5569 | 5570 | SN | 1 | 0.0 | 48.913 | 1.806 | 0.0 | 39.176 | 1.372 | 0.0 | 38.07  | 1.406 | 0.0 | 40.349 | 1.349 | 0.0 | 44.717 | 1.497 | 0.0 | 38.474 | 1.066 | 0.0 | 36.908 | 1.149 | 0.0 | 39.266 | 1.16  |
| 46 | 5569 | 5570 | SN | 1 | 0.0 | 45.951 | 1.788 | 0.0 | 41.665 | 1.381 | 0.0 | 38.35  | 1.466 | 0.0 | 38.429 | 1.374 | 0.0 | 41.275 | 1.443 | 0.0 | 40.432 | 1.077 | 0.0 | 37.229 | 1.133 | 0.0 | 40.285 | 1.155 |
| 47 | 5570 | 5571 | SN | 1 | 0.0 | 47.225 | 8.249 | 0.0 | 47.146 | 7.335 | 0.0 | 42.187 | 5.007 | 0.0 | 41.15  | 5.151 | 0.0 | 47.526 | 7.659 | 0.0 | 47.242 | 6.741 | 0.0 | 40.615 | 4.964 | 0.0 | 38.432 | 4.694 |
| 48 | 5570 | 5571 | NS | 1 | 0.0 | 52.106 | 2.105 | 0.0 | 45.79  | 1.877 | 0.0 | 44.603 | 1.601 | 0.0 | 42.81  | 1.55  | 0.0 | 50.951 | 1.857 | 0.0 | 46.602 | 1.641 | 0.0 | 44.375 | 1.405 | 0.0 | 39.549 | 1.384 |
| 49 | 5570 | 5571 | NS | 1 | 0.0 | 53.484 | 7.431 | 0.0 | 50.477 | 6.298 | 0.0 | 44.745 | 4.913 | 0.0 | 52.197 | 4.927 | 0.0 | 55.444 | 6.596 | 0.0 | 51.257 | 5.705 | 0.0 | 40.316 | 4.479 | 0.0 | 51.64  | 4.501 |
| 50 | 5570 | 5571 | SN | 1 | 0.0 | 43.508 | 2.488 | 0.0 | 44.521 | 2.121 | 0.0 | 39.199 | 1.748 | 0.0 | 42.628 | 1.523 | 0.0 | 43.239 | 2.209 | 0.0 | 44.749 | 1.917 | 0.0 | 40.225 | 1.601 | 0.0 | 41.346 | 1.462 |
| 51 | 5570 | 5571 | SN | 1 | 0.0 | 43.508 | 2.488 | 0.0 | 44.521 | 2.121 | 0.0 | 39.199 | 1.748 | 0.0 | 42.628 | 1.523 | 0.0 | 43.239 | 2.209 | 0.0 | 44.749 | 1.917 | 0.0 | 40.225 | 1.601 | 0.0 | 41.346 | 1.462 |
| 52 | 5570 | 5571 | NS | 1 | 0.0 | 47.411 | 2.191 | 0.0 | 48.019 | 1.857 | 0.0 | 47.244 | 1.637 | 0.0 | 42.097 | 1.618 | 0.0 | 46.244 | 1.884 | 0.0 | 48.335 | 1.654 | 0.0 | 44.523 | 1.467 | 0.0 | 42.246 | 1.414 |
| 53 | 5570 | 5571 | SN | 1 | 0.0 | 47.225 | 8.581 | 0.0 | 47.146 | 7.566 | 0.0 | 42.187 | 5.23  | 0.0 | 41.15  | 5.356 | 0.0 | 47.526 | 8.002 | 0.0 | 47.242 | 6.953 | 0.0 | 40.615 | 5.215 | 0.0 | 38.432 | 4.928 |
| 54 | 5570 | 5571 | SN | 1 | 0.0 | 47.225 | 8.249 | 0.0 | 47.146 | 7.335 | 0.0 | 42.187 | 5.007 | 0.0 | 41.15  | 5.151 | 0.0 | 47.526 | 7.659 | 0.0 | 47.242 | 6.741 | 0.0 | 40.615 | 4.964 | 0.0 | 38.432 | 4.694 |
| 55 | 5570 | 5571 | NS | 1 | 0.0 | 53.625 | 7.461 | 0.0 | 52.655 | 6.378 | 0.0 | 42.7   | 4.856 | 0.0 | 46.602 | 4.813 | 0.0 | 55.07  | 6.616 | 0.0 | 54.769 | 5.906 | 0.0 | 41.209 | 4.415 | 0.0 | 46.616 | 4.387 |
| 56 | 5570 | 5571 | SN | 1 | 0.0 | 43.508 | 2.605 | 0.0 | 44.521 | 2.198 | 0.0 | 39.199 | 1.837 | 0.0 | 42.628 | 1.603 | 0.0 | 43.239 | 2.319 | 0.0 | 44.749 | 1.998 | 0.0 | 40.225 | 1.686 | 0.0 | 41.346 | 1.537 |
| 57 | 5571 | 5572 | SN | 1 | 0.0 | 48.955 | 2.47  | 0.0 | 47.872 | 2.062 | 0.0 | 44.543 | 1.74  | 0.0 | 39.076 | 1.61  | 0.0 | 49.804 | 2.292 | 0.0 | 46.928 | 1.842 | 0.0 | 45.846 | 1.645 | 0.0 | 42.906 | 1.46  |
| 58 | 5571 | 5572 | SN | 1 | 0.0 | 46.699 | 7.839 | 0.0 | 52.917 | 6.812 | 0.0 | 42.853 | 5.333 | 0.0 | 51.702 | 5.023 | 0.0 | 45.427 | 7.489 | 0.0 | 54.022 | 6.449 | 0.0 | 40.364 | 5.205 | 0.0 | 49.885 | 4.715 |
| 59 | 5571 | 5572 | SN | 1 | 0.0 | 46.699 | 7.839 | 0.0 | 52.917 | 6.812 | 0.0 | 42.853 | 5.333 | 0.0 | 51.702 | 5.023 | 0.0 | 45.427 | 7.489 | 0.0 | 54.022 | 6.449 | 0.0 | 40.364 | 5.205 | 0.0 | 49.885 | 4.715 |
| 60 | 5571 | 5572 | NS | 1 | 0.0 | 48.921 | 5.188 | 0.0 | 53.774 | 4.894 | 0.0 | 49.496 | 4.172 | 0.0 | 46.169 | 3.92  | 0.0 | 46.683 | 4.454 | 0.0 | 53.554 | 3.95  | 0.0 | 50.792 | 3.468 | 0.0 | 47.572 | 3.316 |
| 61 | 5571 | 5572 | SN | 1 | 0.0 | 48.955 | 2.344 | 0.0 | 47.872 | 1.989 | 0.0 | 44.543 | 1.637 | 0.0 | 39.076 | 1.523 | 0.0 | 49.804 | 2.15  | 0.0 | 46.928 | 1.743 | 0.0 | 45.846 | 1.536 | 0.0 | 42.906 | 1.37  |
| 62 | 5571 | 5572 | NS | 1 | 0.0 | 40.624 | 1.856 | 0.0 | 47.867 | 1.581 | 0.0 | 40.997 | 1.455 | 0.0 | 42.216 | 1.268 | 0.0 | 40.27  | 1.392 | 0.0 | 51.37  | 1.302 | 0.0 | 39.526 | 1.202 | 0.0 | 41.011 | 1.024 |
| 63 | 5571 | 5572 | NS | 1 | 0.0 | 40.593 | 1.947 | 0.0 | 46.778 | 1.598 | 0.0 | 40.575 | 1.484 | 0.0 | 41.325 | 1.373 | 0.0 | 41.96  | 1.467 | 0.0 | 50.224 | 1.233 | 0.0 | 41.337 | 1.162 | 0.0 | 39.076 | 1.065 |
| 64 | 5571 | 5572 | NS | 1 | 0.0 | 50.223 | 5.38  | 0.0 | 53.774 | 4.691 | 0.0 | 43.369 | 4.266 | 0.0 | 43.053 | 4.011 | 0.0 | 47.485 | 4.294 | 0.0 | 53.554 | 3.877 | 0.0 | 43.201 | 3.704 | 0.0 | 46.535 | 3.372 |
| 65 | 5571 | 5572 | SN | 1 | 0.0 | 48.955 | 2.344 | 0.0 | 47.872 | 1.989 | 0.0 | 44.543 | 1.637 | 0.0 | 39.076 | 1.523 | 0.0 | 49.804 | 2.15  | 0.0 | 46.928 | 1.743 | 0.0 | 45.846 | 1.536 | 0.0 | 42.906 | 1.37  |
| 66 | 5571 | 5572 | SN | 1 | 0.0 | 46.699 | 8.172 | 0.0 | 52.917 | 6.884 | 0.0 | 42.853 | 5.648 | 0.0 | 51.702 | 5.204 | 0.0 | 45.427 | 7.827 | 0.0 | 54.022 | 6.559 | 0.0 | 40.364 | 5.556 | 0.0 | 49.885 | 4.92  |
| 67 | 5572 | 5573 | SN | 1 | 0.0 | 51.586 | 6.333 | 0.0 | 56.797 | 6.158 | 0.0 | 43.605 | 4.703 | 0.0 | 47.598 | 4.375 | 0.0 | 53.832 | 5.712 | 0.0 | 58.593 | 5.611 | 0.0 | 41.736 | 4.284 | 0.0 | 43.605 | 4.137 |

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

|     |      |      |    |   |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|-----|------|------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 68  | 5572 | 5573 | SN | 1 | 0.0 | 51.586 | 6.292 | 0.0 | 56.797 | 6.389 | 0.0 | 43.605 | 4.414 | 0.0 | 47.598 | 4.201 | 0.0 | 53.832 | 5.672 | 0.0 | 58.593 | 5.624 | 0.0 | 41.736 | 4.01  | 0.0 | 43.605 | 3.887 |
| 69  | 5572 | 5573 | SN | 1 | 0.0 | 51.586 | 6.292 | 0.0 | 56.797 | 6.389 | 0.0 | 43.605 | 4.414 | 0.0 | 47.598 | 4.201 | 0.0 | 53.832 | 5.672 | 0.0 | 58.593 | 5.624 | 0.0 | 41.736 | 4.01  | 0.0 | 43.605 | 3.887 |
| 70  | 5572 | 5573 | NS | 1 | 0.0 | 48.775 | 4.856 | 0.0 | 53.888 | 4.811 | 0.0 | 43.989 | 4.081 | 0.0 | 44.849 | 4.124 | 0.0 | 52.337 | 4.152 | 0.0 | 50.147 | 4.259 | 0.0 | 44.173 | 3.604 | 0.0 | 45.861 | 3.436 |
| 71  | 5572 | 5573 | NS | 1 | 0.0 | 46.011 | 5.047 | 0.0 | 46.362 | 4.713 | 0.0 | 44.806 | 3.845 | 0.0 | 44.923 | 4.19  | 0.0 | 45.857 | 4.323 | 0.0 | 44.163 | 4.14  | 0.0 | 43.518 | 3.383 | 0.0 | 44.529 | 3.508 |
| 72  | 5572 | 5573 | SN | 1 | 0.0 | 46.418 | 1.886 | 0.0 | 48.924 | 1.793 | 0.0 | 40.559 | 1.368 | 0.0 | 42.857 | 1.162 | 0.0 | 43.717 | 1.746 | 0.0 | 47.616 | 1.67  | 0.0 | 42.117 | 1.199 | 0.0 | 45.137 | 1.071 |
| 73  | 5572 | 5573 | SN | 1 | 0.0 | 46.418 | 1.807 | 0.0 | 48.924 | 1.731 | 0.0 | 40.559 | 1.295 | 0.0 | 42.857 | 1.101 | 0.0 | 43.717 | 1.637 | 0.0 | 47.616 | 1.58  | 0.0 | 42.117 | 1.112 | 0.0 | 45.137 | 0.988 |
| 74  | 5572 | 5573 | SN | 1 | 0.0 | 46.418 | 1.807 | 0.0 | 48.924 | 1.731 | 0.0 | 40.559 | 1.295 | 0.0 | 42.857 | 1.101 | 0.0 | 43.717 | 1.637 | 0.0 | 47.616 | 1.58  | 0.0 | 42.117 | 1.112 | 0.0 | 45.137 | 0.988 |
| 75  | 5572 | 5573 | NS | 1 | 0.0 | 41.368 | 1.435 | 0.0 | 49.094 | 1.393 | 0.0 | 44.006 | 1.289 | 0.0 | 41.645 | 1.356 | 0.0 | 44.018 | 1.182 | 0.0 | 44.579 | 1.156 | 0.0 | 44.11  | 1.128 | 0.0 | 42.502 | 1.143 |
| 76  | 5572 | 5573 | NS | 1 | 0.0 | 40.677 | 1.498 | 0.0 | 40.975 | 1.428 | 0.0 | 46.495 | 1.209 | 0.0 | 42.142 | 1.425 | 0.0 | 39.41  | 1.2   | 0.0 | 40.895 | 1.205 | 0.0 | 43.231 | 1.065 | 0.0 | 40.269 | 1.187 |
| 77  | 5573 | 5574 | NS | 1 | 0.0 | 51.441 | 2.815 | 0.0 | 52.432 | 2.268 | 0.0 | 42.903 | 1.932 | 0.0 | 43.607 | 1.829 | 0.0 | 48.906 | 2.362 | 0.0 | 48.286 | 1.883 | 0.0 | 42.28  | 1.65  | 0.0 | 40.549 | 1.39  |
| 78  | 5573 | 5574 | NS | 1 | 0.0 | 51.441 | 2.815 | 0.0 | 52.432 | 2.268 | 0.0 | 42.903 | 1.932 | 0.0 | 43.607 | 1.829 | 0.0 | 48.906 | 2.362 | 0.0 | 48.286 | 1.883 | 0.0 | 42.28  | 1.65  | 0.0 | 40.549 | 1.39  |
| 79  | 5573 | 5574 | SN | 1 | 0.0 | 48.33  | 4.26  | 0.0 | 48.152 | 3.985 | 0.0 | 48.87  | 2.966 | 0.0 | 43.811 | 2.873 | 0.0 | 44.823 | 3.89  | 0.0 | 44.464 | 3.663 | 0.0 | 45.755 | 3.079 | 0.0 | 44.345 | 2.93  |
| 80  | 5573 | 5574 | SN | 1 | 0.0 | 48.33  | 4.26  | 0.0 | 48.152 | 3.985 | 0.0 | 48.87  | 2.966 | 0.0 | 43.811 | 2.873 | 0.0 | 44.823 | 3.89  | 0.0 | 44.464 | 3.663 | 0.0 | 45.755 | 3.079 | 0.0 | 44.345 | 2.93  |
| 81  | 5573 | 5574 | NS | 1 | 0.0 | 52.583 | 8.244 | 0.0 | 49.377 | 7.114 | 0.0 | 43.76  | 6.048 | 0.0 | 46.944 | 5.922 | 0.0 | 50.47  | 7.379 | 0.0 | 48.754 | 6.099 | 0.0 | 44.09  | 5.117 | 0.0 | 47.291 | 4.879 |
| 82  | 5573 | 5574 | NS | 1 | 0.0 | 52.583 | 8.244 | 0.0 | 49.377 | 7.114 | 0.0 | 43.76  | 6.048 | 0.0 | 46.944 | 5.922 | 0.0 | 50.47  | 7.379 | 0.0 | 48.754 | 6.099 | 0.0 | 44.09  | 5.117 | 0.0 | 47.291 | 4.879 |
| 83  | 5573 | 5574 | SN | 1 | 0.0 | 37.642 | 1.211 | 0.0 | 42.694 | 1.15  | 0.0 | 41.778 | 0.869 | 0.0 | 39.24  | 0.922 | 0.0 | 39.525 | 1.175 | 0.0 | 47.152 | 1.098 | 0.0 | 41.332 | 0.859 | 0.0 | 37.628 | 0.888 |
| 84  | 5573 | 5574 | SN | 1 | 0.0 | 37.642 | 1.211 | 0.0 | 42.694 | 1.15  | 0.0 | 41.778 | 0.869 | 0.0 | 39.24  | 0.922 | 0.0 | 39.525 | 1.175 | 0.0 | 47.152 | 1.098 | 0.0 | 41.332 | 0.859 | 0.0 | 37.628 | 0.888 |
| 85  | 5574 | 5575 | NS | 1 | 0.0 | 50.678 | 5.237 | 0.0 | 48.317 | 4.861 | 0.0 | 42.671 | 3.729 | 0.0 | 40.709 | 3.349 | 0.0 | 50.082 | 4.292 | 0.0 | 50.938 | 4.198 | 0.0 | 41.953 | 3.303 | 0.0 | 43.739 | 2.746 |
| 86  | 5574 | 5575 | NS | 1 | 0.0 | 47.283 | 1.721 | 0.0 | 41.956 | 1.632 | 0.0 | 43.014 | 1.319 | 0.0 | 37.673 | 1.23  | 0.0 | 46.919 | 1.328 | 0.0 | 43.534 | 1.294 | 0.0 | 41.638 | 1.046 | 0.0 | 37.618 | 0.995 |
| 87  | 5574 | 5575 | NS | 1 | 0.0 | 47.283 | 1.721 | 0.0 | 41.956 | 1.632 | 0.0 | 43.014 | 1.319 | 0.0 | 37.673 | 1.23  | 0.0 | 46.919 | 1.328 | 0.0 | 43.534 | 1.294 | 0.0 | 41.638 | 1.046 | 0.0 | 37.618 | 0.995 |
| 88  | 5574 | 5575 | NS | 1 | 0.0 | 50.678 | 5.237 | 0.0 | 48.317 | 4.861 | 0.0 | 42.671 | 3.729 | 0.0 | 40.709 | 3.349 | 0.0 | 50.082 | 4.292 | 0.0 | 50.938 | 4.198 | 0.0 | 41.953 | 3.303 | 0.0 | 43.739 | 2.746 |
| 89  | 5579 | 5580 | SN | 1 | 0.0 | 51.445 | 4.49  | 0.0 | 44.072 | 3.451 | 0.0 | 44.793 | 3.0   | 0.0 | 46.817 | 3.115 | 0.0 | 51.027 | 3.77  | 0.0 | 42.877 | 3.039 | 0.0 | 42.392 | 2.83  | 0.0 | 44.993 | 2.536 |
| 90  | 5579 | 5580 | SN | 1 | 0.0 | 45.463 | 1.334 | 0.0 | 43.602 | 1.016 | 0.0 | 41.486 | 0.915 | 0.0 | 44.137 | 0.918 | 0.0 | 44.636 | 1.082 | 0.0 | 40.232 | 0.878 | 0.0 | 46.367 | 0.8   | 0.0 | 45.289 | 0.751 |
| 91  | 5579 | 5580 | SN | 1 | 0.0 | 45.669 | 1.318 | 0.0 | 42.422 | 1.034 | 0.0 | 41.987 | 0.901 | 0.0 | 38.007 | 0.898 | 0.0 | 46.441 | 1.016 | 0.0 | 37.143 | 0.896 | 0.0 | 42.62  | 0.816 | 0.0 | 36.695 | 0.772 |
| 92  | 5579 | 5580 | SN | 1 | 0.0 | 45.669 | 1.369 | 0.0 | 42.422 | 1.078 | 0.0 | 41.987 | 0.907 | 0.0 | 38.007 | 0.939 | 0.0 | 46.441 | 1.058 | 0.0 | 37.143 | 0.938 | 0.0 | 42.62  | 0.822 | 0.0 | 36.695 | 0.806 |
| 93  | 5579 | 5580 | SN | 1 | 0.0 | 47.669 | 4.48  | 0.0 | 43.147 | 3.511 | 0.0 | 46.313 | 2.979 | 0.0 | 45.211 | 2.958 | 0.0 | 45.911 | 3.65  | 0.0 | 41.52  | 3.059 | 0.0 | 47.33  | 2.744 | 0.0 | 42.375 | 2.508 |
| 94  | 5579 | 5580 | SN | 1 | 0.0 | 47.669 | 4.679 | 0.0 | 43.147 | 3.658 | 0.0 | 46.313 | 3.01  | 0.0 | 45.211 | 3.093 | 0.0 | 45.911 | 3.82  | 0.0 | 41.52  | 3.195 | 0.0 | 47.33  | 2.765 | 0.0 | 42.375 | 2.622 |
| 95  | 5580 | 5581 | NS | 1 | 0.0 | 43.899 | 1.67  | 0.0 | 47.479 | 1.449 | 0.0 | 40.779 | 1.066 | 0.0 | 46.011 | 0.995 | 0.0 | 46.338 | 1.447 | 0.0 | 48.527 | 1.332 | 0.0 | 41.557 | 0.951 | 0.0 | 42.015 | 0.851 |
| 96  | 5580 | 5581 | SN | 1 | 0.0 | 53.737 | 5.922 | 0.0 | 51.04  | 5.895 | 0.0 | 42.043 | 5.342 | 0.0 | 47.34  | 5.024 | 0.0 | 53.323 | 5.194 | 0.0 | 52.394 | 5.204 | 0.0 | 44.624 | 4.797 | 0.0 | 47.144 | 4.8   |
| 97  | 5580 | 5581 | SN | 1 | 0.0 | 53.737 | 5.872 | 0.0 | 51.04  | 5.836 | 0.0 | 42.043 | 5.287 | 0.0 | 47.34  | 4.972 | 0.0 | 53.323 | 5.172 | 0.0 | 52.394 | 5.151 | 0.0 | 44.624 | 4.734 | 0.0 | 47.144 | 4.751 |
| 98  | 5580 | 5581 | SN | 1 | 0.0 | 53.737 | 5.872 | 0.0 | 51.04  | 5.836 | 0.0 | 42.043 | 5.287 | 0.0 | 47.34  | 4.972 | 0.0 | 53.323 | 5.172 | 0.0 | 52.394 | 5.151 | 0.0 | 44.624 | 4.734 | 0.0 | 47.144 | 4.751 |
| 99  | 5580 | 5581 | NS | 1 | 0.0 | 50.54  | 5.018 | 0.0 | 50.909 | 4.339 | 0.0 | 47.959 | 3.484 | 0.0 | 46.201 | 3.322 | 0.0 | 48.692 | 4.525 | 0.0 | 50.207 | 3.786 | 0.0 | 46.797 | 3.185 | 0.0 | 44.631 | 2.918 |
| 100 | 5580 | 5581 | NS | 1 | 0.0 | 50.54  | 5.018 | 0.0 | 50.909 | 4.339 | 0.0 | 47.959 | 3.484 | 0.0 | 46.201 | 3.322 | 0.0 | 48.692 | 4.525 | 0.0 | 50.207 | 3.786 | 0.0 | 46.797 | 3.185 | 0.0 | 44.631 | 2.918 |
| 101 | 5580 | 5581 | SN | 1 | 0.0 | 40.046 | 2.268 | 0.0 | 48.885 | 2.191 | 0.0 | 38.236 | 1.727 | 0.0 | 38.14  | 1.76  | 0.0 | 40.444 | 1.851 | 0.0 | 53.331 | 1.747 | 0.0 | 38.426 | 1.543 | 0.0 | 36.84  | 1.432 |
| 102 | 5580 | 5581 | SN | 1 | 0.0 | 40.046 | 2.245 | 0.0 | 48.885 | 2.167 | 0.0 | 38.236 | 1.709 | 0.0 | 38.14  | 1.742 | 0.0 | 40.444 | 1.832 | 0.0 | 53.331 | 1.729 | 0.0 | 38.426 | 1.525 | 0.0 | 36.84  | 1.418 |
| 103 | 5580 | 5581 | SN | 1 | 0.0 | 40.046 | 2.245 | 0.0 | 48.885 | 2.167 | 0.0 | 38.236 | 1.708 | 0.0 | 38.14  | 1.742 | 0.0 | 40.444 | 1.834 | 0.0 | 53.331 | 1.729 | 0.0 | 38.426 | 1.525 | 0.0 | 36.84  | 1.418 |

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



|     |      |      |    |   |          |           |       |          |           |       |          |           |       |          |           |       |          |           |       |          |           |       |          |           |       |          |           |       |
|-----|------|------|----|---|----------|-----------|-------|----------|-----------|-------|----------|-----------|-------|----------|-----------|-------|----------|-----------|-------|----------|-----------|-------|----------|-----------|-------|----------|-----------|-------|
| 104 | 5580 | 5581 | NS | 1 | 0.0      | 43.899    | 1.67  | 0.0      | 47.479    | 1.449 | 0.0      | 40.779    | 1.066 | 0.0      | 46.011    | 0.995 | 0.0      | 46.338    | 1.447 | 0.0      | 48.527    | 1.332 | 0.0      | 41.557    | 0.951 | 0.0      | 42.015    | 0.851 |
| 105 | 5581 | 5582 | SN | 1 | 0.0      | 44.11     | 2.098 | 0.0      | 46.336    | 1.83  | 0.0      | 41.8      | 1.458 | 0.0      | 39.992    | 1.596 | 0.0      | 46.524    | 1.871 | 0.0      | 46.794    | 1.523 | 0.0      | 38.981    | 1.225 | 0.0      | 37.112    | 1.33  |
| 106 | 5581 | 5582 | SN | 1 | 0.0      | 46.149    | 5.95  | 0.0      | 53.491    | 5.456 | 0.0      | 41.036    | 4.315 | 0.0      | 43.321    | 4.336 | 0.0      | 46.872    | 5.556 | 0.0      | 52.177    | 4.858 | 0.0      | 41.007    | 3.849 | 0.0      | 42.995    | 3.99  |
| 107 | 5581 | 5582 | SN | 1 | 0.0      | 44.261    | 5.919 | 0.0      | 52.798    | 5.486 | 0.0      | 40.446    | 4.344 | 0.0      | 44.397    | 4.387 | 0.0      | 45.628    | 5.495 | 0.0      | 51.485    | 4.847 | 0.0      | 40.115    | 3.728 | 0.0      | 44.071    | 3.94  |
| 108 | 5581 | 5582 | SN | 1 | 0.0      | 46.149    | 5.891 | 0.0      | 53.491    | 5.415 | 0.0      | 41.036    | 4.27  | 0.0      | 43.321    | 4.302 | 0.0      | 46.872    | 5.501 | 0.0      | 52.177    | 4.821 | 0.0      | 41.007    | 3.809 | 0.0      | 42.995    | 3.959 |
| 109 | 5581 | 5582 | NS | 1 | 0.0      | 43.093    | 3.287 | 0.0      | 46.671    | 3.044 | 0.0      | 40.38     | 2.637 | 0.0      | 46.461    | 2.741 | 0.0      | 41.78     | 2.845 | 0.0      | 45.15     | 2.723 | 0.0      | 39.358    | 2.211 | 0.0      | 46.393    | 2.336 |
| 110 | 5581 | 5582 | NS | 1 | 0.0      | 42.409    | 3.347 | 0.0      | 48.741    | 3.034 | 0.0      | 45.705    | 2.651 | 0.0      | 48.164    | 2.791 | 0.0      | 43.403    | 2.885 | 0.0      | 47.339    | 2.723 | 0.0      | 43.06     | 2.275 | 0.0      | 48.095    | 2.272 |
| 111 | 5581 | 5582 | NS | 1 | 0.0      | 53.695    | 1.047 | 0.0      | 48.45     | 0.945 | 0.0      | 43.992    | 0.808 | 0.0      | 40.847    | 0.93  | 0.0      | 54.412    | 0.83  | 0.0      | 46.477    | 0.755 | 0.0      | 42.938    | 0.663 | 0.0      | 43.869    | 0.738 |
| 112 | 5581 | 5582 | NS | 1 | 0.0      | 54.908    | 1.087 | 0.0      | 48.636    | 0.929 | 0.0      | 39.122    | 0.819 | 0.0      | 37.182    | 0.96  | 0.0      | 55.628    | 0.841 | 0.0      | 46.663    | 0.778 | 0.0      | 38.58     | 0.638 | 0.0      | 40.202    | 0.735 |
| 113 | 5581 | 5582 | SN | 1 | 0.0      | 44.11     | 2.077 | 0.0      | 46.336    | 1.811 | 0.0      | 41.8      | 1.443 | 0.0      | 39.992    | 1.58  | 0.0      | 46.524    | 1.851 | 0.0      | 46.794    | 1.508 | 0.0      | 38.981    | 1.213 | 0.0      | 37.112    | 1.317 |
| 114 | 5581 | 5582 | SN | 1 | 0.0      | 44.566    | 2.069 | 0.0      | 46.602    | 1.823 | 0.0      | 37.727    | 1.417 | 0.0      | 39.184    | 1.559 | 0.0      | 45.647    | 1.855 | 0.0      | 47.055    | 1.526 | 0.0      | 40.461    | 1.202 | 0.0      | 39.311    | 1.35  |
| 115 | 5582 | 5583 | SN | 1 | 0.0      | 40.949    | 1.841 | 0.0      | 39.885    | 1.441 | 0.0      | 36.732    | 1.496 | 0.0      | 38.446    | 1.236 | 0.0      | 38.241    | 1.527 | 0.0      | 39.804    | 1.206 | 0.0      | 35.431    | 1.267 | 0.0      | 39.604    | 1.033 |
| 116 | 5582 | 5583 | SN | 1 | 0.0      | 48.051    | 5.824 | 0.0      | 44.447    | 3.771 | 0.0      | 39.694    | 4.148 | 0.0      | 46.568    | 3.426 | 0.0      | 44.558    | 4.981 | 0.0      | 44.011    | 3.474 | 0.0      | 37.224    | 3.614 | 0.0      | 42.786    | 2.998 |
| 117 | 5582 | 5583 | NS | 1 | 0.0      | 48.791    | 2.538 | 0.0      | 44.752    | 2.399 | 0.0      | 40.06     | 1.936 | 0.0      | 37.778    | 1.967 | 0.0      | 43.654    | 2.299 | 0.0      | 43.885    | 2.12  | 0.0      | 38.989    | 1.737 | 0.0      | 37.821    | 1.689 |
| 118 | 5582 | 5583 | NS | 1 | 0.0      | 48.791    | 2.538 | 0.0      | 44.752    | 2.399 | 0.0      | 40.06     | 1.936 | 0.0      | 37.778    | 1.967 | 0.0      | 43.654    | 2.299 | 0.0      | 43.885    | 2.12  | 0.0      | 38.989    | 1.737 | 0.0      | 37.821    | 1.689 |
| 119 | 5582 | 5583 | SN | 1 | 0.0      | 48.051    | 5.75  | 0.0      | 44.447    | 3.734 | 0.0      | 39.694    | 4.086 | 0.0      | 46.568    | 3.374 | 0.0      | 44.558    | 4.91  | 0.0      | 44.011    | 3.462 | 0.0      | 37.224    | 3.554 | 0.0      | 42.786    | 2.952 |
| 120 | 5582 | 5583 | NS | 1 | 0.0      | 44.736    | 6.594 | 0.0      | 57.853    | 6.128 | 0.0      | 46.215    | 5.65  | 0.0      | 45.036    | 5.659 | 0.0      | 45.454    | 6.192 | 0.0      | 54.929    | 5.636 | 0.0      | 48.173    | 5.373 | 0.0      | 46.183    | 5.077 |
| 121 | 5582 | 5583 | NS | 1 | 0.0      | 44.736    | 6.594 | 0.0      | 57.853    | 6.128 | 0.0      | 46.215    | 5.65  | 0.0      | 45.036    | 5.659 | 0.0      | 45.454    | 6.192 | 0.0      | 54.929    | 5.636 | 0.0      | 48.173    | 5.373 | 0.0      | 46.183    | 5.077 |
| 122 | 5582 | 5583 | SN | 1 | 0.0      | 40.949    | 1.813 | 0.0      | 39.885    | 1.426 | 0.0      | 36.732    | 1.471 | 0.0      | 38.446    | 1.215 | 0.0      | 38.241    | 1.504 | 0.0      | 39.804    | 1.195 | 0.0      | 35.431    | 1.246 | 0.0      | 39.604    | 1.016 |
| 123 | 5583 | 5584 | SN | 1 | 0.0      | 11.007    | 0.0   | 0.0      | 0.0       | 0.0   | 0.0      | 30.239    | 0.601 | 100000.0 | -100000.0 | 0.0   | 0.0      | 9.839     | 0.0   | 0.0      | 0.0       | 0.0   | 0.0      | 27.289    | 0.601 | 100000.0 | -100000.0 | 0.0   |
| 124 | 5583 | 5584 | SN | 1 | 0.0      | 14.022    | 0.0   | 100000.0 | -100000.0 | 0.0   | 0.0      | 17.39     | 0.0   | 100000.0 | -100000.0 | 0.0   | 0.0      | 12.782    | 0.0   | 100000.0 | -100000.0 | 0.0   | 0.0      | 17.385    | 0.0   | 100000.0 | -100000.0 | 0.0   |
| 125 | 5583 | 5584 | NS | 1 | 100000.0 | -100000.0 | 0.0   | 0.0      | 6.822     | 0.0   | 100000.0 | -100000.0 | 0.0   | 0.0      | 9.647     | 0.0   | 100000.0 | -100000.0 | 0.0   | 0.0      | 6.69      | 0.0   | 100000.0 | -100000.0 | 0.0   | 0.0      | 9.436     | 0.0   |
| 126 | 5583 | 5584 | NS | 1 | 100000.0 | -100000.0 | 0.0   | 0.0      | 9.106     | 0.0   | 100000.0 | -100000.0 | 0.0   | 0.0      | 14.874    | 0.0   | 100000.0 | -100000.0 | 0.0   | 0.0      | 8.915     | 0.0   | 100000.0 | -100000.0 | 0.0   | 0.0      | 14.332    | 0.0   |
| 127 | 5584 | 5585 | SN | 1 | 0.0      | 41.371    | 2.046 | 0.0      | 51.642    | 1.877 | 0.0      | 38.735    | 1.465 | 0.0      | 37.332    | 1.578 | 0.0      | 39.612    | 1.757 | 0.0      | 49.637    | 1.621 | 0.0      | 39.162    | 1.31  | 0.0      | 36.573    | 1.335 |
| 128 | 5584 | 5585 | NS | 1 | 0.0      | 46.201    | 2.501 | 0.0      | 50.568    | 2.204 | 0.0      | 42.793    | 1.504 | 0.0      | 45.233    | 1.527 | 0.0      | 45.001    | 2.158 | 0.0      | 49.197    | 1.983 | 0.0      | 45.456    | 1.334 | 0.0      | 42.958    | 1.276 |
| 129 | 5584 | 5585 | SN | 1 | 0.0      | 46.005    | 6.89  | 0.0      | 48.594    | 6.379 | 0.0      | 37.741    | 4.213 | 0.0      | 44.832    | 4.727 | 0.0      | 46.199    | 6.265 | 0.0      | 47.844    | 5.54  | 0.0      | 35.997    | 4.02  | 0.0      | 45.959    | 4.22  |
| 130 | 5584 | 5585 | NS | 1 | 0.0      | 58.463    | 7.242 | 0.0      | 49.365    | 6.467 | 0.0      | 47.576    | 4.913 | 0.0      | 42.577    | 5.208 | 0.0      | 62.151    | 6.699 | 0.0      | 53.237    | 5.794 | 0.0      | 46.262    | 4.685 | 0.0      | 45.304    | 4.641 |
| 131 | 5584 | 5585 | NS | 1 | 0.0      | 57.517    | 7.121 | 0.0      | 53.3      | 6.577 | 0.0      | 51.071    | 4.877 | 0.0      | 49.612    | 5.237 | 0.0      | 61.204    | 6.699 | 0.0      | 53.797    | 5.854 | 0.0      | 49.758    | 4.699 | 0.0      | 45.21     | 4.584 |
| 132 | 5584 | 5585 | NS | 1 | 0.0      | 48.254    | 2.411 | 0.0      | 49.144    | 2.249 | 0.0      | 42.034    | 1.509 | 0.0      | 41.419    | 1.522 | 0.0      | 48.703    | 2.115 | 0.0      | 45.349    | 2.023 | 0.0      | 41.673    | 1.343 | 0.0      | 41.283    | 1.279 |
| 133 | 5584 | 5585 | SN | 1 | 0.0      | 46.005    | 6.651 | 0.0      | 48.594    | 6.152 | 0.0      | 37.741    | 4.078 | 0.0      | 44.832    | 4.532 | 0.0      | 46.199    | 6.031 | 0.0      | 47.844    | 5.327 | 0.0      | 35.997    | 3.872 | 0.0      | 45.959    | 4.046 |
| 134 | 5584 | 5585 | SN | 1 | 0.0      | 41.371    | 1.977 | 0.0      | 51.642    | 1.805 | 0.0      | 38.735    | 1.412 | 0.0      | 37.332    | 1.511 | 0.0      | 39.612    | 1.693 | 0.0      | 49.637    | 1.556 | 0.0      | 39.162    | 1.26  | 0.0      | 36.573    | 1.278 |
| 135 | 5584 | 5585 | SN | 1 | 0.0      | 41.371    | 1.977 | 0.0      | 51.642    | 1.805 | 0.0      | 38.735    | 1.412 | 0.0      | 37.332    | 1.511 | 0.0      | 39.612    | 1.693 | 0.0      | 49.637    | 1.556 | 0.0      | 39.162    | 1.26  | 0.0      | 36.573    | 1.278 |
| 136 | 5584 | 5585 | SN | 1 | 0.0      | 46.005    | 6.651 | 0.0      | 48.594    | 6.152 | 0.0      | 37.741    | 4.078 | 0.0      | 44.832    | 4.532 | 0.0      | 46.199    | 6.031 | 0.0      | 47.844    | 5.327 | 0.0      | 35.997    | 3.872 | 0.0      | 45.959    | 4.046 |
| 137 | 5585 | 5586 | NS | 1 | 0.0      | 46.668    | 8.317 | 0.0      | 57.075    | 7.13  | 0.0      | 44.034    | 6.661 | 0.0      | 42.679    | 5.818 | 0.0      | 45.514    | 7.704 | 0.0      | 55.027    | 6.116 | 0.0      | 41.913    | 6.093 | 0.0      | 43.092    | 5.251 |
| 138 | 5585 | 5586 | SN | 1 | 0.0      | 47.095    | 8.851 | 0.0      | 52.227    | 8.619 | 0.0      | 45.172    | 5.766 | 0.0      | 51.311    | 5.962 | 0.0      | 47.759    | 8.251 | 0.0      | 54.73     | 8.146 | 0.0      | 42.518    | 5.411 | 0.0      | 50.109    | 5.626 |
| 139 | 5585 | 5586 | SN | 1 | 0.0      | 53.027    | 2.72  | 0.0      | 42.346    | 2.815 | 0.0      | 44.767    | 1.916 | 0.0      | 45.539    | 1.884 | 0.0      | 54.583    | 2.458 | 0.0      | 44.699    | 2.567 | 0.0      | 43.052    | 1.854 | 0.0      | 42.273    | 1.749 |

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

|     |      |      |    |   |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|-----|------|------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 140 | 5585 | 5586 | SN | 1 | 0.0 | 53.027 | 2.574 | 0.0 | 53.382 | 2.72  | 0.0 | 44.767 | 1.807 | 0.0 | 45.539 | 1.807 | 0.0 | 54.583 | 2.322 | 0.0 | 48.771 | 2.471 | 0.0 | 43.052 | 1.747 | 0.0 | 42.273 | 1.666 |
| 141 | 5585 | 5586 | NS | 1 | 0.0 | 46.934 | 2.815 | 0.0 | 41.404 | 2.407 | 0.0 | 43.271 | 2.217 | 0.0 | 44.592 | 1.967 | 0.0 | 44.775 | 2.469 | 0.0 | 43.751 | 2.057 | 0.0 | 43.639 | 1.914 | 0.0 | 44.364 | 1.67  |
| 142 | 5585 | 5586 | SN | 1 | 0.0 | 47.095 | 9.293 | 0.0 | 52.227 | 8.831 | 0.0 | 45.172 | 6.105 | 0.0 | 50.138 | 6.202 | 0.0 | 47.759 | 8.697 | 0.0 | 54.73  | 8.424 | 0.0 | 42.518 | 5.765 | 0.0 | 48.412 | 5.874 |
| 143 | 5586 | 5587 | SN | 1 | 0.0 | 52.88  | 2.617 | 0.0 | 46.535 | 2.467 | 0.0 | 46.342 | 1.526 | 0.0 | 49.023 | 1.547 | 0.0 | 52.109 | 2.286 | 0.0 | 46.674 | 2.195 | 0.0 | 45.895 | 1.368 | 0.0 | 53.337 | 1.337 |
| 144 | 5586 | 5587 | SN | 1 | 0.0 | 52.88  | 2.62  | 0.0 | 46.535 | 2.462 | 0.0 | 46.342 | 1.519 | 0.0 | 49.023 | 1.547 | 0.0 | 52.109 | 2.286 | 0.0 | 46.674 | 2.197 | 0.0 | 45.895 | 1.361 | 0.0 | 53.337 | 1.335 |
| 145 | 5586 | 5587 | SN | 1 | 0.0 | 55.576 | 8.442 | 0.0 | 53.112 | 7.854 | 0.0 | 48.257 | 5.496 | 0.0 | 48.249 | 5.733 | 0.0 | 52.928 | 7.491 | 0.0 | 51.172 | 7.149 | 0.0 | 47.912 | 5.021 | 0.0 | 44.652 | 5.19  |
| 146 | 5586 | 5587 | SN | 1 | 0.0 | 55.576 | 8.422 | 0.0 | 53.112 | 7.884 | 0.0 | 48.257 | 5.504 | 0.0 | 48.249 | 5.733 | 0.0 | 52.928 | 7.491 | 0.0 | 51.172 | 7.149 | 0.0 | 47.912 | 5.021 | 0.0 | 44.652 | 5.204 |
| 147 | 5586 | 5587 | NS | 1 | 0.0 | 45.754 | 1.779 | 0.0 | 47.296 | 1.498 | 0.0 | 39.724 | 1.25  | 0.0 | 39.096 | 1.329 | 0.0 | 44.218 | 1.53  | 0.0 | 45.23  | 1.296 | 0.0 | 36.945 | 1.149 | 0.0 | 40.335 | 1.184 |
| 148 | 5586 | 5587 | NS | 1 | 0.0 | 49.705 | 5.15  | 0.0 | 46.179 | 5.07  | 0.0 | 44.193 | 3.995 | 0.0 | 47.477 | 3.846 | 0.0 | 46.579 | 4.546 | 0.0 | 44.087 | 4.458 | 0.0 | 44.569 | 3.654 | 0.0 | 42.463 | 3.449 |
| 149 | 5586 | 5587 | SN | 1 | 0.0 | 52.88  | 2.765 | 0.0 | 46.535 | 2.572 | 0.0 | 46.342 | 1.605 | 0.0 | 49.023 | 1.644 | 0.0 | 52.109 | 2.427 | 0.0 | 46.674 | 2.327 | 0.0 | 45.895 | 1.442 | 0.0 | 53.337 | 1.431 |
| 150 | 5586 | 5587 | SN | 1 | 0.0 | 55.576 | 8.708 | 0.0 | 53.112 | 7.973 | 0.0 | 48.257 | 5.778 | 0.0 | 48.249 | 6.078 | 0.0 | 52.928 | 7.812 | 0.0 | 51.172 | 7.38  | 0.0 | 47.912 | 5.281 | 0.0 | 44.652 | 5.554 |
| 151 | 5587 | 5588 | SN | 1 | 0.0 | 48.655 | 1.837 | 0.0 | 48.034 | 1.793 | 0.0 | 47.343 | 1.17  | 0.0 | 43.519 | 1.146 | 0.0 | 46.098 | 1.742 | 0.0 | 46.186 | 1.686 | 0.0 | 43.662 | 1.159 | 0.0 | 42.477 | 1.074 |
| 152 | 5587 | 5588 | SN | 1 | 0.0 | 45.514 | 1.814 | 0.0 | 49.628 | 1.811 | 0.0 | 45.782 | 1.173 | 0.0 | 46.221 | 1.078 | 0.0 | 42.295 | 1.746 | 0.0 | 47.506 | 1.668 | 0.0 | 44.456 | 1.166 | 0.0 | 42.304 | 1.053 |
| 153 | 5587 | 5588 | NS | 1 | 0.0 | 53.238 | 1.866 | 0.0 | 48.797 | 1.657 | 0.0 | 40.353 | 1.307 | 0.0 | 40.541 | 1.327 | 0.0 | 50.535 | 1.523 | 0.0 | 49.33  | 1.373 | 0.0 | 35.931 | 1.105 | 0.0 | 39.063 | 1.157 |
| 154 | 5587 | 5588 | NS | 1 | 0.0 | 45.101 | 5.379 | 0.0 | 50.974 | 4.458 | 0.0 | 44.645 | 4.38  | 0.0 | 48.096 | 4.55  | 0.0 | 48.055 | 4.836 | 0.0 | 52.595 | 3.846 | 0.0 | 45.446 | 3.954 | 0.0 | 48.095 | 3.897 |
| 155 | 5587 | 5588 | NS | 1 | 0.0 | 50.171 | 5.358 | 0.0 | 52.945 | 4.338 | 0.0 | 48.285 | 4.302 | 0.0 | 45.619 | 4.543 | 0.0 | 48.961 | 4.725 | 0.0 | 54.384 | 3.765 | 0.0 | 49.085 | 3.89  | 0.0 | 45.637 | 3.897 |
| 156 | 5587 | 5588 | SN | 1 | 0.0 | 51.651 | 5.09  | 0.0 | 58.207 | 5.101 | 0.0 | 46.173 | 4.176 | 0.0 | 41.006 | 3.794 | 0.0 | 49.398 | 4.99  | 0.0 | 57.117 | 4.749 | 0.0 | 45.383 | 3.978 | 0.0 | 40.018 | 3.679 |
| 157 | 5587 | 5588 | SN | 1 | 0.0 | 51.65  | 5.1   | 0.0 | 51.614 | 4.99  | 0.0 | 48.426 | 4.127 | 0.0 | 41.438 | 3.829 | 0.0 | 49.398 | 4.97  | 0.0 | 50.499 | 4.679 | 0.0 | 45.031 | 3.9   | 0.0 | 40.782 | 3.744 |
| 158 | 5587 | 5588 | NS | 1 | 0.0 | 55.905 | 1.884 | 0.0 | 48.638 | 1.675 | 0.0 | 43.189 | 1.293 | 0.0 | 40.061 | 1.352 | 0.0 | 53.185 | 1.559 | 0.0 | 49.169 | 1.415 | 0.0 | 39.358 | 1.156 | 0.0 | 40.778 | 1.129 |
| 159 | 5588 | 5589 | NS | 1 | 0.0 | 47.846 | 2.743 | 0.0 | 55.981 | 2.553 | 0.0 | 45.539 | 1.932 | 0.0 | 41.582 | 1.96  | 0.0 | 48.257 | 2.362 | 0.0 | 53.554 | 2.23  | 0.0 | 44.435 | 1.725 | 0.0 | 38.939 | 1.723 |
| 160 | 5588 | 5589 | NS | 1 | 0.0 | 55.185 | 8.433 | 0.0 | 53.947 | 8.199 | 0.0 | 45.65  | 5.992 | 0.0 | 44.679 | 6.107 | 0.0 | 56.531 | 7.579 | 0.0 | 52.017 | 7.545 | 0.0 | 47.988 | 5.231 | 0.0 | 44.647 | 5.553 |
| 161 | 5588 | 5589 | NS | 1 | 0.0 | 52.688 | 8.584 | 0.0 | 54.57  | 8.088 | 0.0 | 44.639 | 6.063 | 0.0 | 46.453 | 6.171 | 0.0 | 54.031 | 7.619 | 0.0 | 55.324 | 7.556 | 0.0 | 45.785 | 5.217 | 0.0 | 44.477 | 5.588 |
| 162 | 5588 | 5589 | NS | 1 | 0.0 | 49.442 | 2.77  | 0.0 | 55.038 | 2.555 | 0.0 | 44.758 | 1.955 | 0.0 | 40.845 | 1.948 | 0.0 | 46.239 | 2.364 | 0.0 | 52.609 | 2.255 | 0.0 | 43.655 | 1.766 | 0.0 | 42.502 | 1.703 |
| 163 | 5588 | 5589 | SN | 1 | 0.0 | 46.817 | 4.55  | 0.0 | 43.376 | 3.924 | 0.0 | 39.438 | 2.907 | 0.0 | 48.129 | 2.965 | 0.0 | 51.166 | 4.06  | 0.0 | 43.343 | 3.612 | 0.0 | 41.275 | 2.709 | 0.0 | 44.231 | 2.586 |
| 164 | 5588 | 5589 | SN | 1 | 0.0 | 40.677 | 1.293 | 0.0 | 40.598 | 1.082 | 0.0 | 39.919 | 1.017 | 0.0 | 37.671 | 0.914 | 0.0 | 39.521 | 1.043 | 0.0 | 38.491 | 0.89  | 0.0 | 42.83  | 0.895 | 0.0 | 35.193 | 0.777 |
| 165 | 5589 | 5590 | NS | 1 | 0.0 | 41.064 | 2.38  | 0.0 | 48.792 | 2.23  | 0.0 | 44.417 | 1.709 | 0.0 | 42.089 | 1.884 | 0.0 | 38.449 | 2.087 | 0.0 | 48.027 | 2.036 | 0.0 | 43.893 | 1.558 | 0.0 | 41.348 | 1.65  |
| 166 | 5589 | 5590 | NS | 1 | 0.0 | 50.658 | 6.514 | 0.0 | 49.574 | 6.3   | 0.0 | 42.445 | 5.082 | 0.0 | 45.193 | 5.099 | 0.0 | 50.595 | 5.72  | 0.0 | 51.176 | 5.536 | 0.0 | 41.602 | 4.741 | 0.0 | 43.848 | 4.623 |

| 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     | 5565        | 5566      | NS   | 1    | 0.0           | 27.194 | 10.119     | 0.0        | 26.875 | 10.208     | 0.0       | 356.597 | 5.527      | 0.0        | 138.162 | 5.009      | 0.0             | 1.956 | 0.0        | 0.0        | 1.898 | 0.0        | 0.0       | 2.11  | 0.0        | 0.0        | 2.074 | 0.0        |
| 2     | 5565        | 5566      | NS   | 1    | 0.0           | 27.194 | 10.119     | 0.0        | 26.875 | 10.208     | 0.0       | 356.597 | 5.527      | 0.0        | 138.162 | 5.009      | 0.0             | 1.956 | 0.0        | 0.0        | 1.898 | 0.0        | 0.0       | 2.11  | 0.0        | 0.0        | 2.074 | 0.0        |
| 3     | 5565        | 5566      | SN   | 1    | 0.0           | 32.616 | 15.438     | 0.0        | 25.954 | 14.933     | 0.0       | 121.81  | 11.311     | 0.0        | 37.844  | 11.356     | 0.0             | 1.875 | 0.0        | 0.0        | 1.979 | 0.0        | 0.0       | 2.045 | 0.0        | 0.0        | 2.068 | 0.0        |
| 4     | 5565        | 5566      | SN   | 1    | 0.0           | 32.616 | 15.438     | 0.0        | 25.954 | 14.933     | 0.0       | 121.81  | 11.311     | 0.0        | 37.844  | 11.356     | 0.0             | 1.875 | 0.0        | 0.0        | 1.979 | 0.0        | 0.0       | 2.045 | 0.0        | 0.0        | 2.068 | 0.0        |
| 5     | 5565        | 5566      | SN   | 1    | 0.0           | 25.733 | 8.619      | 0.0        | 26.919 | 8.633      | 0.0       | 132.73  | 2.834      | 0.0        | 14.802  | 3.098      | 0.0             | 1.869 | 0.0        | 0.0        | 1.951 | 0.0        | 0.0       | 2.041 | 0.0        | 0.0        | 2.101 | 0.0        |
| 6     | 5565        | 5566      | SN   | 1    | 0.0           | 32.616 | 15.429     | 0.0        | 25.954 | 14.627     | 0.0       | 121.81  | 11.331     | 0.0        | 19.54   | 10.968     | 0.0             | 1.875 | 0.0        | 0.0        | 1.979 | 0.0        | 0.0       | 2.045 | 0.0        | 0.0        | 2.068 | 0.0        |
| 7     | 5565        | 5566      | SN   | 1    | 0.0           | 25.733 | 8.627      | 0.0        | 26.919 | 8.7        | 0.0       | 132.73  | 2.847      | 0.0        | 66.02   | 3.261      | 0.0             | 1.871 | 0.0        | 0.0        | 1.951 | 0.0        | 0.0       | 2.041 | 0.0        | 0.0        | 2.101 | 0.0        |
| 8     | 5565        | 5566      | NS   | 1    | 0.0           | 24.525 | 13.747     | 0.0        | 32.268 | 16.111     | 0.0       | 354.893 | 13.777     | 0.0        | 65.502  | 13.215     | 0.0             | 1.941 | 0.0        | 0.0        | 1.9   | 0.0        | 0.0       | 2.11  | 0.0        | 0.0        | 2.074 | 0.0        |
| 9     | 5565        | 5566      | NS   | 1    | 0.0           | 24.525 | 13.747     | 0.0        | 32.268 | 16.111     | 0.0       | 354.893 | 13.777     | 0.0        | 65.502  | 13.215     | 0.0             | 1.941 | 0.0        | 0.0        | 1.9   | 0.0        | 0.0       | 2.11  | 0.0        | 0.0        | 2.074 | 0.0        |
| 10    | 5565        | 5566      | SN   | 1    | 0.0           | 25.733 | 8.627      | 0.0        | 26.919 | 8.7        | 0.0       | 132.73  | 2.847      | 0.0        | 66.02   | 3.261      | 0.0             | 1.871 | 0.0        | 0.0        | 1.951 | 0.0        | 0.0       | 2.041 | 0.0        | 0.0        | 2.101 | 0.0        |
| 11    | 5566        | 5567      | NS   | 1    | 0.0           | 24.52  | 13.74      | 0.0        | 32.285 | 16.015     | 0.0       | 356.867 | 13.693     | 0.0        | 76.449  | 13.219     | 0.0             | 1.942 | 0.0        | 0.0        | 1.9   | 0.0        | 0.0       | 2.111 | 0.0        | 0.0        | 2.074 | 0.0        |
| 12    | 5566        | 5567      | NS   | 1    | 0.0           | 27.194 | 10.103     | 0.0        | 26.858 | 10.198     | 0.0       | 356.663 | 5.481      | 0.0        | 131.891 | 4.927      | 0.0             | 1.957 | 0.0        | 0.0        | 1.898 | 0.0        | 0.0       | 2.109 | 0.0        | 0.0        | 2.074 | 0.0        |
| 13    | 5566        | 5567      | NS   | 1    | 0.0           | 27.194 | 10.087     | 0.0        | 26.869 | 10.189     | 0.0       | 354.424 | 5.474      | 0.0        | 139.088 | 4.91       | 0.0             | 1.957 | 0.0        | 0.0        | 1.898 | 0.0        | 0.0       | 2.109 | 0.0        | 0.0        | 2.074 | 0.0        |
| 14    | 5566        | 5567      | SN   | 1    | 0.0           | 37.072 | 15.454     | 0.0        | 25.954 | 14.794     | 0.0       | 120.128 | 11.361     | 0.0        | 24.244  | 11.186     | 0.0             | 1.875 | 0.0        | 0.0        | 1.978 | 0.0        | 0.0       | 2.046 | 0.0        | 0.0        | 2.069 | 0.0        |
| 15    | 5566        | 5567      | SN   | 1    | 0.0           | 37.072 | 15.454     | 0.0        | 25.954 | 14.794     | 0.0       | 120.128 | 11.361     | 0.0        | 24.244  | 11.186     | 0.0             | 1.875 | 0.0        | 0.0        | 1.978 | 0.0        | 0.0       | 2.046 | 0.0        | 0.0        | 2.069 | 0.0        |
| 16    | 5566        | 5567      | SN   | 1    | 0.0           | 25.755 | 8.666      | 0.0        | 26.908 | 8.688      | 0.0       | 125.4   | 2.851      | 0.0        | 54.168  | 3.273      | 0.0             | 1.871 | 0.0        | 0.0        | 1.957 | 0.0        | 0.0       | 2.043 | 0.0        | 0.0        | 2.102 | 0.0        |
| 17    | 5566        | 5567      | SN   | 1    | 0.0           | 25.755 | 8.663      | 0.0        | 26.908 | 8.666      | 0.0       | 125.4   | 2.844      | 0.0        | 16.551  | 3.192      | 0.0             | 1.87  | 0.0        | 0.0        | 1.957 | 0.0        | 0.0       | 2.043 | 0.0        | 0.0        | 2.102 | 0.0        |
| 18    | 5566        | 5567      | SN   | 1    | 0.0           | 25.755 | 8.663      | 0.0        | 26.908 | 8.666      | 0.0       | 125.4   | 2.844      | 0.0        | 16.551  | 3.192      | 0.0             | 1.87  | 0.0        | 0.0        | 1.957 | 0.0        | 0.0       | 2.043 | 0.0        | 0.0        | 2.102 | 0.0        |
| 19    | 5566        | 5567      | SN   | 1    | 0.0           | 37.072 | 15.462     | 0.0        | 25.948 | 14.934     | 0.0       | 120.128 | 11.342     | 0.0        | 39.256  | 11.356     | 0.0             | 1.875 | 0.0        | 0.0        | 1.978 | 0.0        | 0.0       | 2.046 | 0.0        | 0.0        | 2.069 | 0.0        |
| 20    | 5566        | 5567      | NS   | 1    | 0.0           | 24.547 | 13.734     | 0.0        | 32.296 | 16.017     | 0.0       | 355.02  | 13.723     | 0.0        | 81.622  | 13.265     | 0.0             | 1.945 | 0.0        | 0.0        | 1.9   | 0.0        | 0.0       | 2.11  | 0.0        | 0.0        | 2.074 | 0.0        |
| 21    | 5567        | 5568      | SN   | 1    | 0.0           | 32.583 | 15.5       | 0.0        | 25.959 | 14.887     | 0.0       | 136.138 | 11.363     | 0.0        | 57.18   | 11.409     | 0.0             | 1.874 | 0.0        | 0.0        | 1.957 | 0.0        | 0.0       | 2.048 | 0.0        | 0.0        | 2.067 | 0.0        |
| 22    | 5567        | 5568      | NS   | 1    | 0.0           | 27.2   | 10.061     | 0.0        | 26.864 | 10.19      | 0.0       | 354.678 | 5.4        | 0.0        | 72.064  | 4.933      | 0.0             | 1.956 | 0.0        | 0.0        | 1.899 | 0.0        | 0.0       | 2.11  | 0.0        | 0.0        | 2.074 | 0.0        |
| 23    | 5567        | 5568      | SN   | 1    | 0.0           | 32.583 | 15.5       | 0.0        | 25.959 | 14.887     | 0.0       | 136.138 | 11.363     | 0.0        | 57.18   | 11.409     | 0.0             | 1.874 | 0.0        | 0.0        | 1.957 | 0.0        | 0.0       | 2.048 | 0.0        | 0.0        | 2.067 | 0.0        |
| 24    | 5567        | 5568      | NS   | 1    | 0.0           | 24.52  | 13.73      | 0.0        | 32.318 | 15.992     | 0.0       | 356.459 | 13.718     | 0.0        | 77.596  | 13.213     | 0.0             | 1.941 | 0.0        | 0.0        | 1.902 | 0.0        | 0.0       | 2.11  | 0.0        | 0.0        | 2.074 | 0.0        |
| 25    | 5567        | 5568      | SN   | 1    | 0.0           | 32.583 | 15.497     | 0.0        | 25.959 | 14.679     | 0.0       | 136.138 | 11.38      | 0.0        | 22.463  | 11.109     | 0.0             | 1.874 | 0.0        | 0.0        | 1.957 | 0.0        | 0.0       | 2.048 | 0.0        | 0.0        | 2.067 | 0.0        |
| 26    | 5567        | 5568      | SN   | 1    | 0.0           | 25.755 | 8.666      | 0.0        | 26.919 | 8.672      | 0.0       | 140.246 | 2.831      | 0.0        | 15.459  | 3.184      | 0.0             | 1.87  | 0.0        | 0.0        | 1.958 | 0.0        | 0.0       | 2.043 | 0.0        | 0.0        | 2.102 | 0.0        |
| 27    | 5567        | 5568      | SN   | 1    | 0.0           | 25.755 | 8.671      | 0.0        | 26.919 | 8.718      | 0.0       | 140.246 | 2.845      | 0.0        | 69.417  | 3.3        | 0.0             | 1.871 | 0.0        | 0.0        | 1.958 | 0.0        | 0.0       | 2.043 | 0.0        | 0.0        | 2.102 | 0.0        |
| 28    | 5567        | 5568      | SN   | 1    | 0.0           | 25.755 | 8.671      | 0.0        | 26.919 | 8.718      | 0.0       | 140.246 | 2.845      | 0.0        | 69.417  | 3.3        | 0.0             | 1.871 | 0.0        | 0.0        | 1.958 | 0.0        | 0.0       | 2.043 | 0.0        | 0.0        | 2.102 | 0.0        |
| 29    | 5568        | 5569      | SN   | 1    | 0.0           | 32.649 | 15.452     | 0.0        | 25.954 | 14.908     | 0.0       | 134.053 | 11.349     | 0.0        | 57.896  | 11.43      | 0.0             | 1.874 | 0.0        | 0.0        | 1.949 | 0.0        | 0.0       | 2.047 | 0.0        | 0.0        | 2.068 | 0.0        |
| 30    | 5568        | 5569      | SN   | 1    | 0.0           | 32.649 | 15.452     | 0.0        | 25.954 | 14.908     | 0.0       | 134.053 | 11.349     | 0.0        | 57.896  | 11.43      | 0.0             | 1.874 | 0.0        | 0.0        | 1.949 | 0.0        | 0.0       | 2.047 | 0.0        | 0.0        | 2.068 | 0.0        |
| 31    | 5568        | 5569      | NS   | 1    | 0.0           | 24.525 | 13.774     | 0.0        | 32.246 | 15.97      | 0.0       | 356.564 | 13.673     | 0.0        | 74.066  | 13.331     | 0.0             | 1.945 | 0.0        | 0.0        | 1.902 | 0.0        | 0.0       | 2.112 | 0.0        | 0.0        | 2.074 | 0.0        |

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

|    |      |      |    |   |     |        |        |     |        |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 32 | 5568 | 5569 | NS | 1 | 0.0 | 24.531 | 13.748 | 0.0 | 32.318 | 16.01  | 0.0 | 354.849 | 13.711 | 0.0 | 78.92   | 13.256 | 0.0 | 1.951 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.111 | 0.0 | 0.0 | 2.074 | 0.0 |
| 33 | 5568 | 5569 | NS | 1 | 0.0 | 27.183 | 10.016 | 0.0 | 26.858 | 10.178 | 0.0 | 355.312 | 5.372  | 0.0 | 116.229 | 4.95   | 0.0 | 1.956 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.111 | 0.0 | 0.0 | 2.074 | 0.0 |
| 34 | 5568 | 5569 | NS | 1 | 0.0 | 27.183 | 10.027 | 0.0 | 26.858 | 10.176 | 0.0 | 355.356 | 5.377  | 0.0 | 135.84  | 4.962  | 0.0 | 1.956 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.074 | 0.0 |
| 35 | 5568 | 5569 | SN | 1 | 0.0 | 25.761 | 8.673  | 0.0 | 26.913 | 8.745  | 0.0 | 128.83  | 2.843  | 0.0 | 69.301  | 3.334  | 0.0 | 1.871 | 0.0 | 0.0 | 1.957 | 0.0 | 0.0 | 2.043 | 0.0 | 0.0 | 2.102 | 0.0 |
| 36 | 5568 | 5569 | SN | 1 | 0.0 | 25.761 | 8.673  | 0.0 | 26.913 | 8.745  | 0.0 | 128.83  | 2.843  | 0.0 | 69.301  | 3.334  | 0.0 | 1.871 | 0.0 | 0.0 | 1.957 | 0.0 | 0.0 | 2.043 | 0.0 | 0.0 | 2.102 | 0.0 |
| 37 | 5569 | 5570 | NS | 1 | 0.0 | 27.194 | 10.036 | 0.0 | 26.853 | 10.174 | 0.0 | 354.198 | 5.377  | 0.0 | 145.971 | 4.965  | 0.0 | 1.957 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.074 | 0.0 |
| 38 | 5569 | 5570 | NS | 1 | 0.0 | 24.52  | 13.794 | 0.0 | 32.213 | 15.97  | 0.0 | 171.354 | 13.658 | 0.0 | 75.484  | 13.324 | 0.0 | 1.945 | 0.0 | 0.0 | 1.9   | 0.0 | 0.0 | 2.111 | 0.0 | 0.0 | 2.075 | 0.0 |
| 39 | 5569 | 5570 | NS | 1 | 0.0 | 24.52  | 13.794 | 0.0 | 32.213 | 15.97  | 0.0 | 171.354 | 13.658 | 0.0 | 75.484  | 13.324 | 0.0 | 1.945 | 0.0 | 0.0 | 1.9   | 0.0 | 0.0 | 2.111 | 0.0 | 0.0 | 2.075 | 0.0 |
| 40 | 5569 | 5570 | SN | 1 | 0.0 | 32.643 | 15.433 | 0.0 | 25.943 | 14.382 | 0.0 | 151.696 | 11.354 | 0.0 | 16.793  | 10.835 | 0.0 | 1.874 | 0.0 | 0.0 | 1.949 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.068 | 0.0 |
| 41 | 5569 | 5570 | NS | 1 | 0.0 | 27.194 | 10.036 | 0.0 | 26.853 | 10.174 | 0.0 | 354.198 | 5.377  | 0.0 | 145.971 | 4.965  | 0.0 | 1.957 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.074 | 0.0 |
| 42 | 5569 | 5570 | SN | 1 | 0.0 | 25.766 | 8.684  | 0.0 | 26.919 | 8.605  | 0.0 | 151.696 | 2.786  | 0.0 | 13.898  | 3.108  | 0.0 | 1.87  | 0.0 | 0.0 | 1.957 | 0.0 | 0.0 | 2.043 | 0.0 | 0.0 | 2.102 | 0.0 |
| 43 | 5569 | 5570 | SN | 1 | 0.0 | 32.643 | 15.452 | 0.0 | 25.965 | 14.868 | 0.0 | 151.894 | 11.406 | 0.0 | 43.304  | 11.445 | 0.0 | 1.874 | 0.0 | 0.0 | 1.948 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.088 | 0.0 |
| 44 | 5569 | 5570 | SN | 1 | 0.0 | 32.643 | 15.432 | 0.0 | 25.959 | 14.878 | 0.0 | 151.696 | 11.363 | 0.0 | 43.304  | 11.48  | 0.0 | 1.874 | 0.0 | 0.0 | 1.949 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.068 | 0.0 |
| 45 | 5569 | 5570 | SN | 1 | 0.0 | 25.766 | 8.689  | 0.0 | 26.919 | 8.738  | 0.0 | 151.696 | 2.829  | 0.0 | 63.312  | 3.329  | 0.0 | 1.872 | 0.0 | 0.0 | 1.957 | 0.0 | 0.0 | 2.043 | 0.0 | 0.0 | 2.102 | 0.0 |
| 46 | 5569 | 5570 | SN | 1 | 0.0 | 25.766 | 8.68   | 0.0 | 26.919 | 8.727  | 0.0 | 151.894 | 2.832  | 0.0 | 63.312  | 3.311  | 0.0 | 1.872 | 0.0 | 0.0 | 1.957 | 0.0 | 0.0 | 2.043 | 0.0 | 0.0 | 2.102 | 0.0 |
| 47 | 5570 | 5571 | SN | 1 | 0.0 | 32.583 | 15.448 | 0.0 | 25.959 | 14.961 | 0.0 | 139.916 | 11.333 | 0.0 | 54.455  | 11.538 | 0.0 | 1.874 | 0.0 | 0.0 | 1.98  | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.093 | 0.0 |
| 48 | 5570 | 5571 | NS | 1 | 0.0 | 27.211 | 10.039 | 0.0 | 26.853 | 10.183 | 0.0 | 354.441 | 5.356  | 0.0 | 67.972  | 4.959  | 0.0 | 1.957 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.074 | 0.0 |
| 49 | 5570 | 5571 | NS | 1 | 0.0 | 24.531 | 13.786 | 0.0 | 32.186 | 15.96  | 0.0 | 148.803 | 13.728 | 0.0 | 74.127  | 13.324 | 0.0 | 1.945 | 0.0 | 0.0 | 1.9   | 0.0 | 0.0 | 2.111 | 0.0 | 0.0 | 2.074 | 0.0 |
| 50 | 5570 | 5571 | SN | 1 | 0.0 | 25.744 | 8.697  | 0.0 | 26.913 | 8.748  | 0.0 | 139.916 | 2.847  | 0.0 | 63.935  | 3.351  | 0.0 | 1.871 | 0.0 | 0.0 | 1.957 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.114 | 0.0 |
| 51 | 5570 | 5571 | SN | 1 | 0.0 | 25.744 | 8.697  | 0.0 | 26.913 | 8.748  | 0.0 | 139.916 | 2.847  | 0.0 | 63.935  | 3.351  | 0.0 | 1.871 | 0.0 | 0.0 | 1.957 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.114 | 0.0 |
| 52 | 5570 | 5571 | NS | 1 | 0.0 | 27.211 | 10.017 | 0.0 | 26.853 | 10.18  | 0.0 | 354.419 | 5.352  | 0.0 | 69.29   | 4.966  | 0.0 | 1.958 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.111 | 0.0 | 0.0 | 2.074 | 0.0 |
| 53 | 5570 | 5571 | SN | 1 | 0.0 | 32.583 | 15.445 | 0.0 | 25.391 | 14.413 | 0.0 | 139.916 | 11.305 | 0.0 | 15.641  | 10.704 | 0.0 | 1.874 | 0.0 | 0.0 | 1.98  | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.093 | 0.0 |
| 54 | 5570 | 5571 | SN | 1 | 0.0 | 32.583 | 15.448 | 0.0 | 25.959 | 14.961 | 0.0 | 139.916 | 11.333 | 0.0 | 54.455  | 11.538 | 0.0 | 1.874 | 0.0 | 0.0 | 1.98  | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.093 | 0.0 |
| 55 | 5570 | 5571 | NS | 1 | 0.0 | 24.531 | 13.786 | 0.0 | 32.18  | 15.94  | 0.0 | 148.935 | 13.707 | 0.0 | 73.989  | 13.31  | 0.0 | 1.947 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.112 | 0.0 | 0.0 | 2.074 | 0.0 |
| 56 | 5570 | 5571 | SN | 1 | 0.0 | 25.744 | 8.679  | 0.0 | 26.913 | 8.55   | 0.0 | 139.916 | 2.778  | 0.0 | 13.898  | 3.011  | 0.0 | 1.87  | 0.0 | 0.0 | 1.957 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.114 | 0.0 |
| 57 | 5571 | 5572 | SN | 1 | 0.0 | 25.755 | 8.676  | 0.0 | 26.919 | 8.465  | 0.0 | 136.408 | 2.731  | 0.0 | 13.269  | 2.871  | 0.0 | 1.871 | 0.0 | 0.0 | 1.957 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.114 | 0.0 |
| 58 | 5571 | 5572 | SN | 1 | 0.0 | 32.621 | 15.448 | 0.0 | 25.954 | 14.941 | 0.0 | 127.214 | 11.382 | 0.0 | 55.542  | 11.524 | 0.0 | 1.874 | 0.0 | 0.0 | 1.974 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.098 | 0.0 |
| 59 | 5571 | 5572 | SN | 1 | 0.0 | 32.621 | 15.448 | 0.0 | 25.954 | 14.941 | 0.0 | 127.214 | 11.382 | 0.0 | 55.542  | 11.524 | 0.0 | 1.874 | 0.0 | 0.0 | 1.974 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.098 | 0.0 |
| 60 | 5571 | 5572 | NS | 1 | 0.0 | 24.52  | 13.734 | 0.0 | 32.323 | 15.98  | 0.0 | 352.875 | 13.752 | 0.0 | 75.969  | 13.279 | 0.0 | 1.946 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.073 | 0.0 |
| 61 | 5571 | 5572 | SN | 1 | 0.0 | 25.755 | 8.695  | 0.0 | 26.919 | 8.734  | 0.0 | 136.408 | 2.837  | 0.0 | 74.21   | 3.33   | 0.0 | 1.872 | 0.0 | 0.0 | 1.957 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.114 | 0.0 |
| 62 | 5571 | 5572 | NS | 1 | 0.0 | 27.206 | 10.04  | 0.0 | 26.858 | 10.195 | 0.0 | 352.119 | 5.387  | 0.0 | 159.064 | 4.965  | 0.0 | 1.957 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.073 | 0.0 |
| 63 | 5571 | 5572 | NS | 1 | 0.0 | 27.206 | 10.037 | 0.0 | 26.853 | 10.174 | 0.0 | 141.529 | 5.396  | 0.0 | 70.73   | 4.968  | 0.0 | 1.957 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.074 | 0.0 |
| 64 | 5571 | 5572 | NS | 1 | 0.0 | 24.52  | 13.756 | 0.0 | 32.219 | 15.982 | 0.0 | 355.825 | 13.714 | 0.0 | 76.041  | 13.296 | 0.0 | 1.944 | 0.0 | 0.0 | 1.9   | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.074 | 0.0 |
| 65 | 5571 | 5572 | SN | 1 | 0.0 | 25.755 | 8.695  | 0.0 | 26.919 | 8.734  | 0.0 | 136.408 | 2.837  | 0.0 | 74.21   | 3.33   | 0.0 | 1.872 | 0.0 | 0.0 | 1.957 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.114 | 0.0 |
| 66 | 5571 | 5572 | SN | 1 | 0.0 | 32.621 | 15.459 | 0.0 | 24.305 | 14.255 | 0.0 | 127.214 | 11.35  | 0.0 | 14.835  | 10.424 | 0.0 | 1.874 | 0.0 | 0.0 | 1.974 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.098 | 0.0 |
| 67 | 5572 | 5573 | SN | 1 | 0.0 | 32.732 | 15.417 | 0.0 | 24.012 | 14.112 | 0.0 | 133.391 | 11.322 | 0.0 | 14.758  | 10.006 | 0.0 | 1.875 | 0.0 | 0.0 | 1.95  | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.112 | 0.0 |
| 68 | 5572 | 5573 | SN | 1 | 0.0 | 32.732 | 15.435 | 0.0 | 25.959 | 14.961 | 0.0 | 133.391 | 11.348 | 0.0 | 43.177  | 11.502 | 0.0 | 1.875 | 0.0 | 0.0 | 1.949 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.112 | 0.0 |

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



|     |      |      |    |   |     |        |        |     |        |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|-----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 69  | 5572 | 5573 | SN | 1 | 0.0 | 32.732 | 15.435 | 0.0 | 25.959 | 14.961 | 0.0 | 133.391 | 11.348 | 0.0 | 43.177  | 11.502 | 0.0 | 1.875 | 0.0 | 0.0 | 1.949 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.112 | 0.0 |
| 70  | 5572 | 5573 | NS | 1 | 0.0 | 24.52  | 13.774 | 0.0 | 32.263 | 16.0   | 0.0 | 355.875 | 13.643 | 0.0 | 81.694  | 13.346 | 0.0 | 1.945 | 0.0 | 0.0 | 1.9   | 0.0 | 0.0 | 2.112 | 0.0 | 0.0 | 2.074 | 0.0 |
| 71  | 5572 | 5573 | NS | 1 | 0.0 | 24.525 | 13.733 | 0.0 | 32.329 | 16.029 | 0.0 | 152.63  | 13.673 | 0.0 | 77.795  | 13.272 | 0.0 | 1.943 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.074 | 0.0 |
| 72  | 5572 | 5573 | SN | 1 | 0.0 | 25.755 | 8.602  | 0.0 | 26.924 | 8.388  | 0.0 | 133.391 | 2.676  | 0.0 | 13.264  | 2.8    | 0.0 | 1.871 | 0.0 | 0.0 | 1.958 | 0.0 | 0.0 | 2.043 | 0.0 | 0.0 | 2.114 | 0.0 |
| 73  | 5572 | 5573 | SN | 1 | 0.0 | 25.755 | 8.677  | 0.0 | 26.924 | 8.718  | 0.0 | 133.391 | 2.812  | 0.0 | 58.972  | 3.325  | 0.0 | 1.872 | 0.0 | 0.0 | 1.957 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.114 | 0.0 |
| 74  | 5572 | 5573 | SN | 1 | 0.0 | 25.755 | 8.677  | 0.0 | 26.924 | 8.718  | 0.0 | 133.391 | 2.812  | 0.0 | 58.972  | 3.325  | 0.0 | 1.872 | 0.0 | 0.0 | 1.957 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.114 | 0.0 |
| 75  | 5572 | 5573 | NS | 1 | 0.0 | 27.205 | 10.042 | 0.0 | 26.864 | 10.183 | 0.0 | 355.4   | 5.4    | 0.0 | 152.264 | 4.984  | 0.0 | 1.957 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.111 | 0.0 | 0.0 | 2.074 | 0.0 |
| 76  | 5572 | 5573 | NS | 1 | 0.0 | 27.205 | 10.047 | 0.0 | 26.869 | 10.193 | 0.0 | 142.566 | 5.416  | 0.0 | 151.629 | 4.99   | 0.0 | 1.959 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.111 | 0.0 | 0.0 | 2.074 | 0.0 |
| 77  | 5573 | 5574 | NS | 1 | 0.0 | 27.183 | 10.018 | 0.0 | 26.858 | 10.194 | 0.0 | 356.636 | 5.396  | 0.0 | 136.331 | 4.966  | 0.0 | 1.957 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.073 | 0.0 |
| 78  | 5573 | 5574 | NS | 1 | 0.0 | 27.183 | 10.018 | 0.0 | 26.858 | 10.194 | 0.0 | 356.636 | 5.396  | 0.0 | 136.331 | 4.966  | 0.0 | 1.957 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.073 | 0.0 |
| 79  | 5573 | 5574 | SN | 1 | 0.0 | 37.149 | 15.44  | 0.0 | 25.932 | 14.914 | 0.0 | 128.373 | 11.374 | 0.0 | 38.484  | 11.464 | 0.0 | 1.875 | 0.0 | 0.0 | 1.97  | 0.0 | 0.0 | 2.045 | 0.0 | 0.0 | 2.069 | 0.0 |
| 80  | 5573 | 5574 | SN | 1 | 0.0 | 37.149 | 15.44  | 0.0 | 25.932 | 14.914 | 0.0 | 128.373 | 11.374 | 0.0 | 38.484  | 11.464 | 0.0 | 1.875 | 0.0 | 0.0 | 1.97  | 0.0 | 0.0 | 2.045 | 0.0 | 0.0 | 2.069 | 0.0 |
| 81  | 5573 | 5574 | NS | 1 | 0.0 | 24.514 | 13.733 | 0.0 | 32.34  | 15.967 | 0.0 | 354.849 | 13.716 | 0.0 | 72.142  | 13.272 | 0.0 | 1.946 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.109 | 0.0 | 0.0 | 2.073 | 0.0 |
| 82  | 5573 | 5574 | NS | 1 | 0.0 | 24.514 | 13.733 | 0.0 | 32.34  | 15.967 | 0.0 | 354.849 | 13.716 | 0.0 | 72.142  | 13.272 | 0.0 | 1.946 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.109 | 0.0 | 0.0 | 2.073 | 0.0 |
| 83  | 5573 | 5574 | SN | 1 | 0.0 | 25.755 | 8.672  | 0.0 | 26.913 | 8.71   | 0.0 | 123.999 | 2.822  | 0.0 | 64.68   | 3.327  | 0.0 | 1.871 | 0.0 | 0.0 | 1.956 | 0.0 | 0.0 | 2.043 | 0.0 | 0.0 | 2.091 | 0.0 |
| 84  | 5573 | 5574 | SN | 1 | 0.0 | 25.755 | 8.672  | 0.0 | 26.913 | 8.71   | 0.0 | 123.999 | 2.822  | 0.0 | 64.68   | 3.327  | 0.0 | 1.871 | 0.0 | 0.0 | 1.956 | 0.0 | 0.0 | 2.043 | 0.0 | 0.0 | 2.091 | 0.0 |
| 85  | 5574 | 5575 | NS | 1 | 0.0 | 24.52  | 13.71  | 0.0 | 32.318 | 15.99  | 0.0 | 356.801 | 13.709 | 0.0 | 60.229  | 13.22  | 0.0 | 1.941 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.111 | 0.0 | 0.0 | 2.073 | 0.0 |
| 86  | 5574 | 5575 | NS | 1 | 0.0 | 27.172 | 10.017 | 0.0 | 26.858 | 10.161 | 0.0 | 354.932 | 5.324  | 0.0 | 136.033 | 4.902  | 0.0 | 1.958 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.073 | 0.0 |
| 87  | 5574 | 5575 | NS | 1 | 0.0 | 27.172 | 10.017 | 0.0 | 26.858 | 10.161 | 0.0 | 354.932 | 5.324  | 0.0 | 136.033 | 4.902  | 0.0 | 1.958 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.073 | 0.0 |
| 88  | 5574 | 5575 | NS | 1 | 0.0 | 24.52  | 13.71  | 0.0 | 32.318 | 15.99  | 0.0 | 356.801 | 13.709 | 0.0 | 60.229  | 13.22  | 0.0 | 1.941 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.111 | 0.0 | 0.0 | 2.073 | 0.0 |
| 89  | 5579 | 5580 | SN | 1 | 0.0 | 32.643 | 15.528 | 0.0 | 25.976 | 14.921 | 0.0 | 141.002 | 11.325 | 0.0 | 54.571  | 11.524 | 0.0 | 1.875 | 0.0 | 0.0 | 1.95  | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.124 | 0.0 |
| 90  | 5579 | 5580 | SN | 1 | 0.0 | 25.755 | 8.663  | 0.0 | 26.913 | 8.725  | 0.0 | 136.755 | 2.842  | 0.0 | 65.143  | 3.349  | 0.0 | 1.872 | 0.0 | 0.0 | 1.958 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.115 | 0.0 |
| 91  | 5579 | 5580 | SN | 1 | 0.0 | 25.755 | 8.676  | 0.0 | 26.908 | 8.734  | 0.0 | 136.447 | 2.852  | 0.0 | 65.143  | 3.355  | 0.0 | 1.872 | 0.0 | 0.0 | 1.959 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.115 | 0.0 |
| 92  | 5579 | 5580 | SN | 1 | 0.0 | 25.755 | 8.663  | 0.0 | 26.908 | 8.555  | 0.0 | 136.447 | 2.786  | 0.0 | 13.865  | 3.065  | 0.0 | 1.871 | 0.0 | 0.0 | 1.959 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.115 | 0.0 |
| 93  | 5579 | 5580 | SN | 1 | 0.0 | 32.643 | 15.538 | 0.0 | 25.965 | 14.931 | 0.0 | 140.699 | 11.325 | 0.0 | 54.571  | 11.51  | 0.0 | 1.875 | 0.0 | 0.0 | 1.961 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.124 | 0.0 |
| 94  | 5579 | 5580 | SN | 1 | 0.0 | 32.643 | 15.543 | 0.0 | 25.915 | 14.41  | 0.0 | 140.699 | 11.298 | 0.0 | 15.762  | 10.736 | 0.0 | 1.875 | 0.0 | 0.0 | 1.961 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.124 | 0.0 |
| 95  | 5580 | 5581 | NS | 1 | 0.0 | 27.183 | 9.977  | 0.0 | 26.853 | 10.16  | 0.0 | 357.072 | 5.307  | 0.0 | 124.01  | 4.931  | 0.0 | 1.955 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.073 | 0.0 |
| 96  | 5580 | 5581 | SN | 1 | 0.0 | 32.643 | 15.491 | 0.0 | 25.965 | 14.798 | 0.0 | 127.661 | 11.402 | 0.0 | 42.67   | 11.319 | 0.0 | 1.875 | 0.0 | 0.0 | 1.975 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.097 | 0.0 |
| 97  | 5580 | 5581 | SN | 1 | 0.0 | 32.643 | 15.496 | 0.0 | 25.959 | 14.921 | 0.0 | 127.661 | 11.384 | 0.0 | 55.823  | 11.531 | 0.0 | 1.875 | 0.0 | 0.0 | 1.975 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.097 | 0.0 |
| 98  | 5580 | 5581 | SN | 1 | 0.0 | 32.643 | 15.496 | 0.0 | 25.959 | 14.921 | 0.0 | 127.661 | 11.384 | 0.0 | 55.823  | 11.531 | 0.0 | 1.876 | 0.0 | 0.0 | 1.975 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.097 | 0.0 |
| 99  | 5580 | 5581 | NS | 1 | 0.0 | 24.531 | 13.756 | 0.0 | 32.279 | 15.969 | 0.0 | 355.913 | 13.631 | 0.0 | 76.829  | 13.31  | 0.0 | 1.945 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.074 | 0.0 |
| 100 | 5580 | 5581 | NS | 1 | 0.0 | 24.531 | 13.756 | 0.0 | 32.279 | 15.969 | 0.0 | 355.913 | 13.631 | 0.0 | 76.829  | 13.31  | 0.0 | 1.945 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.074 | 0.0 |
| 101 | 5580 | 5581 | SN | 1 | 0.0 | 25.755 | 8.695  | 0.0 | 26.908 | 8.684  | 0.0 | 136.733 | 2.86   | 0.0 | 42.67   | 3.281  | 0.0 | 1.871 | 0.0 | 0.0 | 1.959 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.115 | 0.0 |
| 102 | 5580 | 5581 | SN | 1 | 0.0 | 25.755 | 8.701  | 0.0 | 26.908 | 8.725  | 0.0 | 136.733 | 2.873  | 0.0 | 47.484  | 3.382  | 0.0 | 1.874 | 0.0 | 0.0 | 1.959 | 0.0 | 0.0 | 2.045 | 0.0 | 0.0 | 2.115 | 0.0 |
| 103 | 5580 | 5581 | SN | 1 | 0.0 | 25.755 | 8.701  | 0.0 | 26.908 | 8.727  | 0.0 | 136.733 | 2.873  | 0.0 | 47.484  | 3.382  | 0.0 | 1.873 | 0.0 | 0.0 | 1.959 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.115 | 0.0 |
| 104 | 5580 | 5581 | NS | 1 | 0.0 | 27.183 | 9.977  | 0.0 | 26.853 | 10.16  | 0.0 | 357.072 | 5.307  | 0.0 | 124.01  | 4.931  | 0.0 | 1.955 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.073 | 0.0 |
| 105 | 5581 | 5582 | SN | 1 | 0.0 | 25.766 | 8.699  | 0.0 | 26.913 | 8.71   | 0.0 | 132.735 | 2.844  | 0.0 | 15.845  | 3.275  | 0.0 | 1.871 | 0.0 | 0.0 | 1.959 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.111 | 0.0 |

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

|     |      |      |    |   |          |           |        |          |           |        |          |           |        |          |           |        |          |           |     |          |           |     |          |           |     |          |           |     |
|-----|------|------|----|---|----------|-----------|--------|----------|-----------|--------|----------|-----------|--------|----------|-----------|--------|----------|-----------|-----|----------|-----------|-----|----------|-----------|-----|----------|-----------|-----|
| 106 | 5581 | 5582 | SN | 1 | 0.0      | 37.0      | 15.517 | 0.0      | 25.959    | 14.817 | 0.0      | 139.259   | 11.376 | 0.0      | 24.018    | 11.416 | 0.0      | 1.876     | 0.0 | 0.0      | 1.95      | 0.0 | 0.0      | 2.048     | 0.0 | 0.0      | 2.131     | 0.0 |
| 107 | 5581 | 5582 | SN | 1 | 0.0      | 36.239    | 15.525 | 0.0      | 25.965    | 14.806 | 0.0      | 139.237   | 11.369 | 0.0      | 24.023    | 11.424 | 0.0      | 1.876     | 0.0 | 0.0      | 1.95      | 0.0 | 0.0      | 2.048     | 0.0 | 0.0      | 2.132     | 0.0 |
| 108 | 5581 | 5582 | SN | 1 | 0.0      | 37.0      | 15.522 | 0.0      | 25.959    | 14.937 | 0.0      | 139.259   | 11.336 | 0.0      | 37.673    | 11.571 | 0.0      | 1.876     | 0.0 | 0.0      | 1.95      | 0.0 | 0.0      | 2.048     | 0.0 | 0.0      | 2.131     | 0.0 |
| 109 | 5581 | 5582 | NS | 1 | 0.0      | 24.531    | 13.741 | 0.0      | 36.741    | 16.044 | 0.0      | 354.937   | 13.605 | 0.0      | 77.943    | 13.258 | 0.0      | 1.943     | 0.0 | 0.0      | 1.899     | 0.0 | 0.0      | 2.109     | 0.0 | 0.0      | 2.073     | 0.0 |
| 110 | 5581 | 5582 | NS | 1 | 0.0      | 24.531    | 13.741 | 0.0      | 36.349    | 16.054 | 0.0      | 354.943   | 13.626 | 0.0      | 77.855    | 13.258 | 0.0      | 1.944     | 0.0 | 0.0      | 1.899     | 0.0 | 0.0      | 2.11      | 0.0 | 0.0      | 2.073     | 0.0 |
| 111 | 5581 | 5582 | NS | 1 | 0.0      | 27.167    | 9.889  | 0.0      | 26.853    | 10.147 | 0.0      | 356.564   | 5.235  | 0.0      | 65.805    | 4.866  | 0.0      | 1.956     | 0.0 | 0.0      | 1.898     | 0.0 | 0.0      | 2.11      | 0.0 | 0.0      | 2.074     | 0.0 |
| 112 | 5581 | 5582 | NS | 1 | 0.0      | 27.167    | 9.919  | 0.0      | 26.853    | 10.136 | 0.0      | 356.564   | 5.209  | 0.0      | 65.921    | 4.865  | 0.0      | 1.956     | 0.0 | 0.0      | 1.898     | 0.0 | 0.0      | 2.11      | 0.0 | 0.0      | 2.074     | 0.0 |
| 113 | 5581 | 5582 | SN | 1 | 0.0      | 25.766    | 8.708  | 0.0      | 26.913    | 8.741  | 0.0      | 132.735   | 2.855  | 0.0      | 68.866    | 3.372  | 0.0      | 1.872     | 0.0 | 0.0      | 1.959     | 0.0 | 0.0      | 2.046     | 0.0 | 0.0      | 2.111     | 0.0 |
| 114 | 5581 | 5582 | SN | 1 | 0.0      | 25.766    | 8.685  | 0.0      | 26.913    | 8.696  | 0.0      | 132.713   | 2.846  | 0.0      | 15.85     | 3.279  | 0.0      | 1.871     | 0.0 | 0.0      | 1.959     | 0.0 | 0.0      | 2.046     | 0.0 | 0.0      | 2.111     | 0.0 |
| 115 | 5582 | 5583 | SN | 1 | 0.0      | 25.766    | 8.731  | 0.0      | 26.902    | 8.697  | 0.0      | 125.395   | 2.878  | 0.0      | 14.593    | 3.239  | 0.0      | 1.873     | 0.0 | 0.0      | 1.96      | 0.0 | 0.0      | 2.046     | 0.0 | 0.0      | 2.111     | 0.0 |
| 116 | 5582 | 5583 | SN | 1 | 0.0      | 36.973    | 15.542 | 0.0      | 25.965    | 14.664 | 0.0      | 126.034   | 11.384 | 0.0      | 20.157    | 11.267 | 0.0      | 1.876     | 0.0 | 0.0      | 1.951     | 0.0 | 0.0      | 2.048     | 0.0 | 0.0      | 2.132     | 0.0 |
| 117 | 5582 | 5583 | NS | 1 | 0.0      | 33.76     | 9.91   | 0.0      | 26.841    | 10.156 | 0.0      | 351.876   | 5.184  | 0.0      | 76.157    | 4.883  | 0.0      | 1.956     | 0.0 | 0.0      | 1.897     | 0.0 | 0.0      | 2.109     | 0.0 | 0.0      | 2.072     | 0.0 |
| 118 | 5582 | 5583 | NS | 1 | 0.0      | 33.76     | 9.91   | 0.0      | 26.841    | 10.156 | 0.0      | 351.876   | 5.184  | 0.0      | 76.157    | 4.883  | 0.0      | 1.956     | 0.0 | 0.0      | 1.897     | 0.0 | 0.0      | 2.109     | 0.0 | 0.0      | 2.072     | 0.0 |
| 119 | 5582 | 5583 | SN | 1 | 0.0      | 36.973    | 15.54  | 0.0      | 25.965    | 14.895 | 0.0      | 126.034   | 11.364 | 0.0      | 38.23     | 11.6   | 0.0      | 1.876     | 0.0 | 0.0      | 1.951     | 0.0 | 0.0      | 2.048     | 0.0 | 0.0      | 2.132     | 0.0 |
| 120 | 5582 | 5583 | NS | 1 | 0.0      | 24.536    | 13.762 | 0.0      | 32.312    | 16.024 | 0.0      | 355.147   | 13.611 | 0.0      | 72.18     | 13.278 | 0.0      | 1.945     | 0.0 | 0.0      | 1.898     | 0.0 | 0.0      | 2.109     | 0.0 | 0.0      | 2.072     | 0.0 |
| 121 | 5582 | 5583 | NS | 1 | 0.0      | 24.536    | 13.762 | 0.0      | 32.312    | 16.024 | 0.0      | 355.147   | 13.611 | 0.0      | 72.18     | 13.278 | 0.0      | 1.945     | 0.0 | 0.0      | 1.898     | 0.0 | 0.0      | 2.109     | 0.0 | 0.0      | 2.072     | 0.0 |
| 122 | 5582 | 5583 | SN | 1 | 0.0      | 25.766    | 8.744  | 0.0      | 26.902    | 8.76   | 0.0      | 125.395   | 2.899  | 0.0      | 70.052    | 3.379  | 0.0      | 1.873     | 0.0 | 0.0      | 1.96      | 0.0 | 0.0      | 2.046     | 0.0 | 0.0      | 2.111     | 0.0 |
| 123 | 5583 | 5584 | SN | 1 | 0.0      | 8.118     | 0.0    | 0.0      | 0.0       | 0.0    | 0.0      | 3.463     | 0.0    | 100000.0 | -100000.0 | 0.0    | 0.0      | 1.865     | 0.0 | 0.0      | 0.0       | 0.0 | 0.0      | 1.801     | 0.0 | 100000.0 | -100000.0 | 0.0 |
| 124 | 5583 | 5584 | SN | 1 | 0.0      | 5.818     | 0.0    | 100000.0 | -100000.0 | 0.0    | 0.0      | 4.644     | 0.0    | 100000.0 | -100000.0 | 0.0    | 0.0      | 1.721     | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0      | 1.949     | 0.0 | 100000.0 | -100000.0 | 0.0 |
| 125 | 5583 | 5584 | NS | 1 | 100000.0 | -100000.0 | 0.0    | 0.0      | 5.162     | 0.0    | 100000.0 | -100000.0 | 0.0    | 0.0      | 2.206     | 0.0    | 100000.0 | -100000.0 | 0.0 | 0.0      | 0.468     | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0      | 0.413     | 0.0 |
| 126 | 5583 | 5584 | NS | 1 | 100000.0 | -100000.0 | 0.0    | 0.0      | 4.715     | 0.0    | 100000.0 | -100000.0 | 0.0    | 0.0      | 2.531     | 0.0    | 100000.0 | -100000.0 | 0.0 | 0.0      | 0.82      | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0      | 0.924     | 0.0 |
| 127 | 5584 | 5585 | SN | 1 | 0.0      | 25.761    | 8.758  | 0.0      | 26.902    | 8.596  | 0.0      | 160.509   | 2.895  | 0.0      | 13.821    | 3.13   | 0.0      | 1.872     | 0.0 | 0.0      | 1.958     | 0.0 | 0.0      | 2.045     | 0.0 | 0.0      | 2.111     | 0.0 |
| 128 | 5584 | 5585 | NS | 1 | 0.0      | 27.172    | 9.871  | 0.0      | 26.836    | 10.135 | 0.0      | 356.812   | 5.163  | 0.0      | 70.84     | 4.855  | 0.0      | 1.956     | 0.0 | 0.0      | 1.897     | 0.0 | 0.0      | 2.11      | 0.0 | 0.0      | 2.072     | 0.0 |
| 129 | 5584 | 5585 | SN | 1 | 0.0      | 32.583    | 15.574 | 0.0      | 24.487    | 14.458 | 0.0      | 160.509   | 11.298 | 0.0      | 16.01     | 10.848 | 0.0      | 1.876     | 0.0 | 0.0      | 1.969     | 0.0 | 0.0      | 2.047     | 0.0 | 0.0      | 2.122     | 0.0 |
| 130 | 5584 | 5585 | NS | 1 | 0.0      | 24.536    | 13.689 | 0.0      | 32.34     | 16.056 | 0.0      | 354.728   | 13.65  | 0.0      | 77.039    | 13.17  | 0.0      | 1.941     | 0.0 | 0.0      | 1.898     | 0.0 | 0.0      | 2.11      | 0.0 | 0.0      | 2.072     | 0.0 |
| 131 | 5584 | 5585 | NS | 1 | 0.0      | 24.536    | 13.689 | 0.0      | 32.34     | 16.056 | 0.0      | 354.722   | 13.643 | 0.0      | 76.956    | 13.184 | 0.0      | 1.941     | 0.0 | 0.0      | 1.898     | 0.0 | 0.0      | 2.111     | 0.0 | 0.0      | 2.072     | 0.0 |
| 132 | 5584 | 5585 | NS | 1 | 0.0      | 27.156    | 9.839  | 0.0      | 26.836    | 10.135 | 0.0      | 356.812   | 5.163  | 0.0      | 70.945    | 4.86   | 0.0      | 1.955     | 0.0 | 0.0      | 1.897     | 0.0 | 0.0      | 2.109     | 0.0 | 0.0      | 2.072     | 0.0 |
| 133 | 5584 | 5585 | SN | 1 | 0.0      | 32.583    | 15.593 | 0.0      | 25.92     | 14.933 | 0.0      | 160.509   | 11.305 | 0.0      | 47.269    | 11.581 | 0.0      | 1.876     | 0.0 | 0.0      | 1.969     | 0.0 | 0.0      | 2.047     | 0.0 | 0.0      | 2.122     | 0.0 |
| 134 | 5584 | 5585 | SN | 1 | 0.0      | 25.761    | 8.764  | 0.0      | 26.902    | 8.759  | 0.0      | 160.509   | 2.942  | 0.0      | 69.461    | 3.384  | 0.0      | 1.874     | 0.0 | 0.0      | 1.958     | 0.0 | 0.0      | 2.045     | 0.0 | 0.0      | 2.111     | 0.0 |
| 135 | 5584 | 5585 | SN | 1 | 0.0      | 25.761    | 8.764  | 0.0      | 26.902    | 8.759  | 0.0      | 160.509   | 2.942  | 0.0      | 69.461    | 3.384  | 0.0      | 1.874     | 0.0 | 0.0      | 1.958     | 0.0 | 0.0      | 2.045     | 0.0 | 0.0      | 2.111     | 0.0 |
| 136 | 5584 | 5585 | SN | 1 | 0.0      | 32.583    | 15.593 | 0.0      | 25.92     | 14.933 | 0.0      | 160.509   | 11.305 | 0.0      | 47.269    | 11.581 | 0.0      | 1.876     | 0.0 | 0.0      | 1.969     | 0.0 | 0.0      | 2.047     | 0.0 | 0.0      | 2.122     | 0.0 |
| 137 | 5585 | 5586 | NS | 1 | 0.0      | 24.531    | 13.668 | 0.0      | 32.351    | 16.037 | 0.0      | 354.882   | 13.65  | 0.0      | 78.876    | 13.163 | 0.0      | 1.94      | 0.0 | 0.0      | 1.898     | 0.0 | 0.0      | 2.11      | 0.0 | 0.0      | 2.073     | 0.0 |
| 138 | 5585 | 5586 | SN | 1 | 0.0      | 32.632    | 15.602 | 0.0      | 25.943    | 14.923 | 0.0      | 142.971   | 11.319 | 0.0      | 55.58     | 11.566 | 0.0      | 1.878     | 0.0 | 0.0      | 1.969     | 0.0 | 0.0      | 2.047     | 0.0 | 0.0      | 2.122     | 0.0 |
| 139 | 5585 | 5586 | SN | 1 | 0.0      | 25.777    | 8.722  | 0.0      | 26.908    | 8.536  | 0.0      | 138.879   | 2.841  | 0.0      | 13.843    | 3.02   | 0.0      | 1.872     | 0.0 | 0.0      | 1.958     | 0.0 | 0.0      | 2.045     | 0.0 | 0.0      | 2.111     | 0.0 |
| 140 | 5585 | 5586 | SN | 1 | 0.0      | 25.777    | 8.728  | 0.0      | 26.908    | 8.771  | 0.0      | 138.879   | 2.908  | 0.0      | 70.675    | 3.38   | 0.0      | 1.876     | 0.0 | 0.0      | 1.958     | 0.0 | 0.0      | 2.045     | 0.0 | 0.0      | 2.111     | 0.0 |
| 141 | 5585 | 5586 | NS | 1 | 0.0      | 27.167    | 9.913  | 0.0      | 26.841    | 10.149 | 0.0      | 353.062   | 5.165  | 0.0      | 116.207   | 4.848  | 0.0      | 1.955     | 0.0 | 0.0      | 1.897     | 0.0 | 0.0      | 2.11      | 0.0 | 0.0      | 2.072     | 0.0 |
| 142 | 5585 | 5586 | SN | 1 | 0.0      | 32.632    | 15.563 | 0.0      | 24.36     | 14.382 | 0.0      | 142.971   | 11.303 | 0.0      | 14.957    | 10.606 | 0.0      | 1.876     | 0.0 | 0.0      | 1.969     | 0.0 | 0.0      | 2.047     | 0.0 | 0.0      | 2.122     | 0.0 |

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

|     |      |      |    |   |     |        |        |     |        |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|-----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 143 | 5586 | 5587 | SN | 1 | 0.0 | 25.761 | 8.731  | 0.0 | 26.913 | 8.764  | 0.0 | 135.989 | 2.894  | 0.0 | 49.183  | 3.379  | 0.0 | 1.874 | 0.0 | 0.0 | 1.958 | 0.0 | 0.0 | 2.045 | 0.0 | 0.0 | 2.111 | 0.0 |
| 144 | 5586 | 5587 | SN | 1 | 0.0 | 25.761 | 8.731  | 0.0 | 26.913 | 8.764  | 0.0 | 135.989 | 2.894  | 0.0 | 49.139  | 3.376  | 0.0 | 1.874 | 0.0 | 0.0 | 1.958 | 0.0 | 0.0 | 2.045 | 0.0 | 0.0 | 2.111 | 0.0 |
| 145 | 5586 | 5587 | SN | 1 | 0.0 | 32.726 | 15.623 | 0.0 | 25.965 | 14.963 | 0.0 | 140.147 | 11.369 | 0.0 | 56.407  | 11.566 | 0.0 | 1.877 | 0.0 | 0.0 | 1.951 | 0.0 | 0.0 | 2.049 | 0.0 | 0.0 | 2.122 | 0.0 |
| 146 | 5586 | 5587 | SN | 1 | 0.0 | 32.726 | 15.623 | 0.0 | 25.959 | 14.963 | 0.0 | 140.147 | 11.362 | 0.0 | 56.441  | 11.559 | 0.0 | 1.877 | 0.0 | 0.0 | 1.951 | 0.0 | 0.0 | 2.049 | 0.0 | 0.0 | 2.122 | 0.0 |
| 147 | 5586 | 5587 | NS | 1 | 0.0 | 27.172 | 9.895  | 0.0 | 26.847 | 10.133 | 0.0 | 356.961 | 5.19   | 0.0 | 69.82   | 4.871  | 0.0 | 1.955 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.072 | 0.0 |
| 148 | 5586 | 5587 | NS | 1 | 0.0 | 24.525 | 13.72  | 0.0 | 32.373 | 16.064 | 0.0 | 355.048 | 13.634 | 0.0 | 81.164  | 13.226 | 0.0 | 1.945 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.072 | 0.0 |
| 149 | 5586 | 5587 | SN | 1 | 0.0 | 25.761 | 8.685  | 0.0 | 26.913 | 8.468  | 0.0 | 135.989 | 2.778  | 0.0 | 13.253  | 2.931  | 0.0 | 1.873 | 0.0 | 0.0 | 1.958 | 0.0 | 0.0 | 2.045 | 0.0 | 0.0 | 2.111 | 0.0 |
| 150 | 5586 | 5587 | SN | 1 | 0.0 | 32.726 | 15.592 | 0.0 | 24.216 | 14.21  | 0.0 | 140.147 | 11.339 | 0.0 | 14.879  | 10.304 | 0.0 | 1.876 | 0.0 | 0.0 | 1.951 | 0.0 | 0.0 | 2.049 | 0.0 | 0.0 | 2.122 | 0.0 |
| 151 | 5587 | 5588 | SN | 1 | 0.0 | 25.761 | 8.694  | 0.0 | 26.913 | 8.757  | 0.0 | 132.415 | 2.904  | 0.0 | 64.382  | 3.405  | 0.0 | 1.874 | 0.0 | 0.0 | 1.959 | 0.0 | 0.0 | 2.045 | 0.0 | 0.0 | 2.113 | 0.0 |
| 152 | 5587 | 5588 | SN | 1 | 0.0 | 25.761 | 8.7    | 0.0 | 26.908 | 8.755  | 0.0 | 132.255 | 2.907  | 0.0 | 64.399  | 3.403  | 0.0 | 1.874 | 0.0 | 0.0 | 1.959 | 0.0 | 0.0 | 2.045 | 0.0 | 0.0 | 2.114 | 0.0 |
| 153 | 5587 | 5588 | NS | 1 | 0.0 | 27.172 | 9.882  | 0.0 | 26.836 | 10.124 | 0.0 | 356.051 | 5.217  | 0.0 | 68.314  | 4.906  | 0.0 | 1.957 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.073 | 0.0 |
| 154 | 5587 | 5588 | NS | 1 | 0.0 | 24.531 | 13.733 | 0.0 | 32.279 | 16.016 | 0.0 | 357.491 | 13.596 | 0.0 | 74.519  | 13.302 | 0.0 | 1.947 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.073 | 0.0 |
| 155 | 5587 | 5588 | NS | 1 | 0.0 | 24.525 | 13.713 | 0.0 | 32.279 | 16.006 | 0.0 | 357.496 | 13.568 | 0.0 | 74.563  | 13.281 | 0.0 | 1.942 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.109 | 0.0 | 0.0 | 2.073 | 0.0 |
| 156 | 5587 | 5588 | SN | 1 | 0.0 | 32.77  | 15.5   | 0.0 | 25.959 | 14.941 | 0.0 | 143.953 | 11.239 | 0.0 | 54.72   | 11.567 | 0.0 | 1.877 | 0.0 | 0.0 | 1.984 | 0.0 | 0.0 | 2.049 | 0.0 | 0.0 | 2.118 | 0.0 |
| 157 | 5587 | 5588 | SN | 1 | 0.0 | 32.776 | 15.51  | 0.0 | 25.959 | 14.941 | 0.0 | 144.107 | 11.232 | 0.0 | 54.703  | 11.567 | 0.0 | 1.877 | 0.0 | 0.0 | 1.984 | 0.0 | 0.0 | 2.049 | 0.0 | 0.0 | 2.118 | 0.0 |
| 158 | 5587 | 5588 | NS | 1 | 0.0 | 27.172 | 9.882  | 0.0 | 26.836 | 10.124 | 0.0 | 356.051 | 5.218  | 0.0 | 68.358  | 4.899  | 0.0 | 1.956 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.11  | 0.0 | 0.0 | 2.072 | 0.0 |
| 159 | 5588 | 5589 | NS | 1 | 0.0 | 27.178 | 9.86   | 0.0 | 26.847 | 10.152 | 0.0 | 147.176 | 5.164  | 0.0 | 62.535  | 4.858  | 0.0 | 1.956 | 0.0 | 0.0 | 1.896 | 0.0 | 0.0 | 2.109 | 0.0 | 0.0 | 2.072 | 0.0 |
| 160 | 5588 | 5589 | NS | 1 | 0.0 | 24.531 | 13.71  | 0.0 | 33.994 | 16.035 | 0.0 | 152.509 | 13.619 | 0.0 | 75.385  | 13.271 | 0.0 | 1.944 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.109 | 0.0 | 0.0 | 2.073 | 0.0 |
| 161 | 5588 | 5589 | NS | 1 | 0.0 | 24.531 | 13.7   | 0.0 | 33.994 | 16.035 | 0.0 | 152.487 | 13.619 | 0.0 | 75.374  | 13.271 | 0.0 | 1.945 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.109 | 0.0 | 0.0 | 2.072 | 0.0 |
| 162 | 5588 | 5589 | NS | 1 | 0.0 | 27.178 | 9.86   | 0.0 | 26.847 | 10.156 | 0.0 | 147.149 | 5.163  | 0.0 | 62.513  | 4.862  | 0.0 | 1.957 | 0.0 | 0.0 | 1.896 | 0.0 | 0.0 | 2.109 | 0.0 | 0.0 | 2.072 | 0.0 |
| 163 | 5588 | 5589 | SN | 1 | 0.0 | 32.732 | 15.498 | 0.0 | 25.965 | 14.921 | 0.0 | 136.755 | 11.232 | 0.0 | 259.798 | 11.552 | 0.0 | 1.876 | 0.0 | 0.0 | 1.985 | 0.0 | 0.0 | 2.049 | 0.0 | 0.0 | 2.102 | 0.0 |
| 164 | 5588 | 5589 | SN | 1 | 0.0 | 25.766 | 8.727  | 0.0 | 26.902 | 8.737  | 0.0 | 132.647 | 2.909  | 0.0 | 62.932  | 3.39   | 0.0 | 1.873 | 0.0 | 0.0 | 1.959 | 0.0 | 0.0 | 2.045 | 0.0 | 0.0 | 2.114 | 0.0 |
| 165 | 5589 | 5590 | NS | 1 | 0.0 | 27.167 | 9.866  | 0.0 | 26.836 | 10.12  | 0.0 | 150.551 | 5.122  | 0.0 | 63.775  | 4.836  | 0.0 | 1.953 | 0.0 | 0.0 | 1.896 | 0.0 | 0.0 | 2.109 | 0.0 | 0.0 | 2.072 | 0.0 |
| 166 | 5589 | 5590 | NS | 1 | 0.0 | 24.52  | 13.762 | 0.0 | 32.296 | 16.005 | 0.0 | 154.368 | 13.62  | 0.0 | 76.333  | 13.201 | 0.0 | 1.944 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.109 | 0.0 | 0.0 | 2.072 | 0.0 |

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