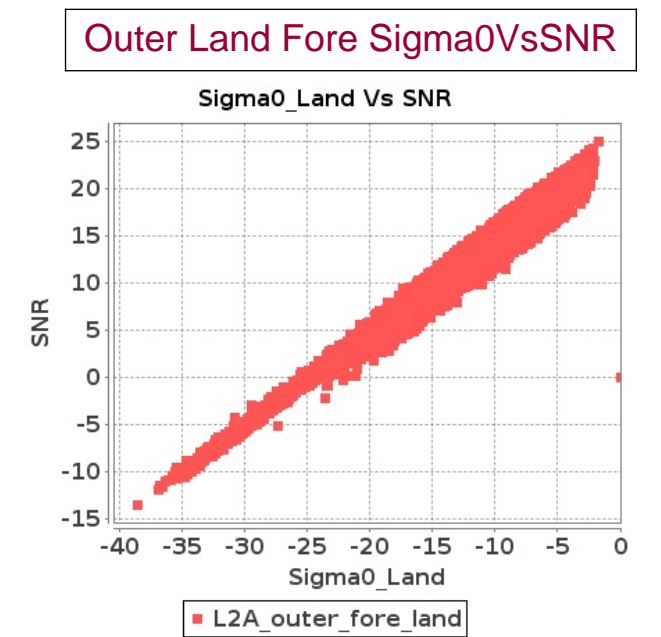
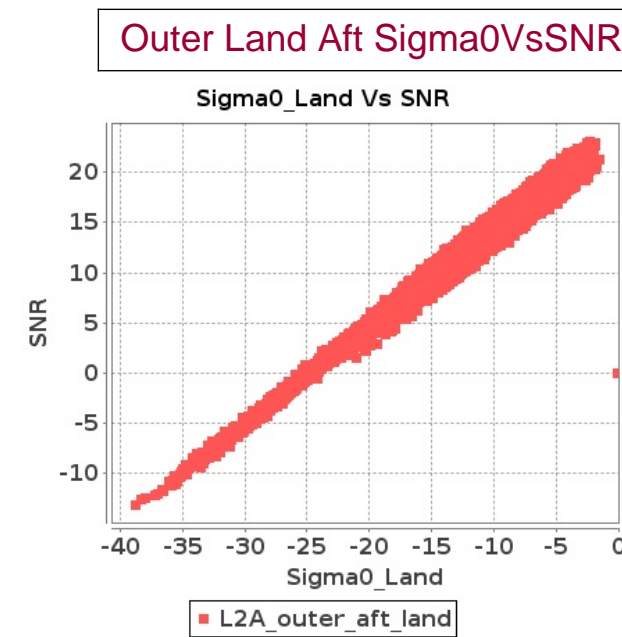
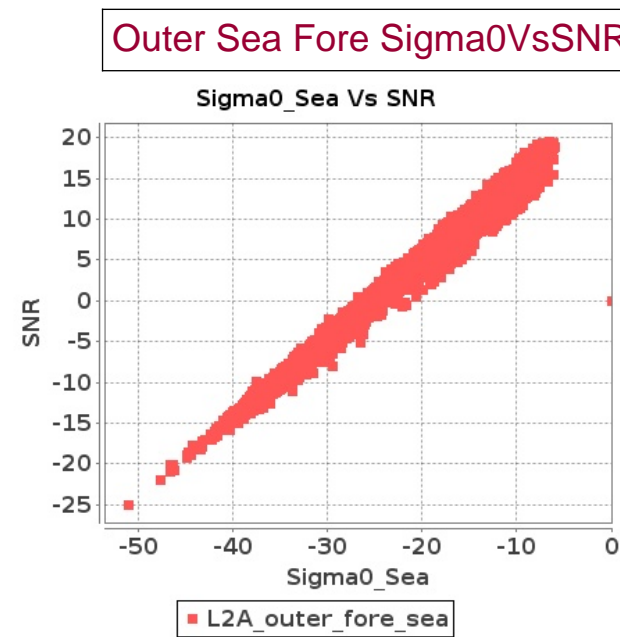
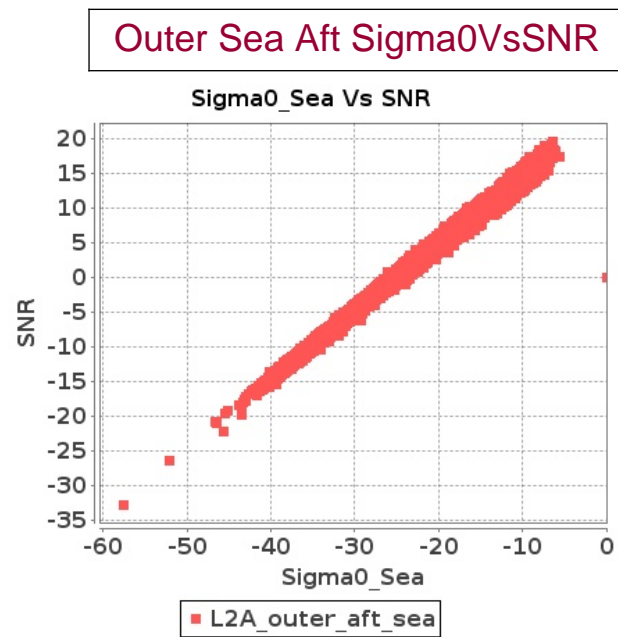
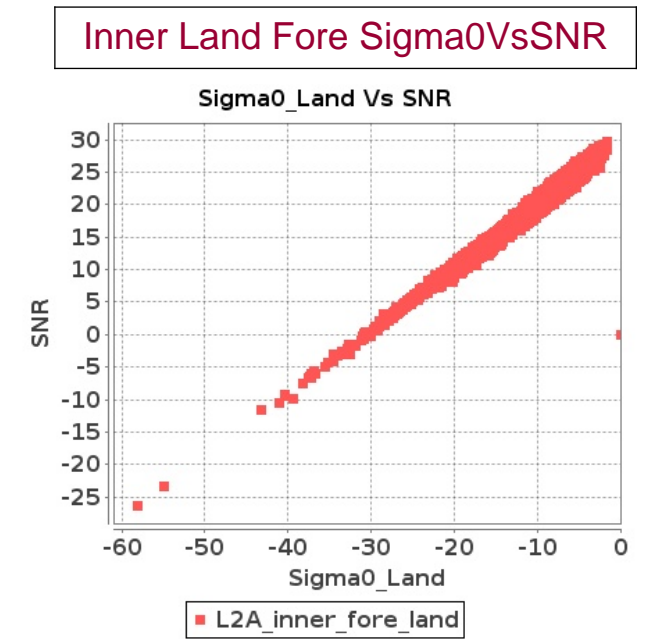
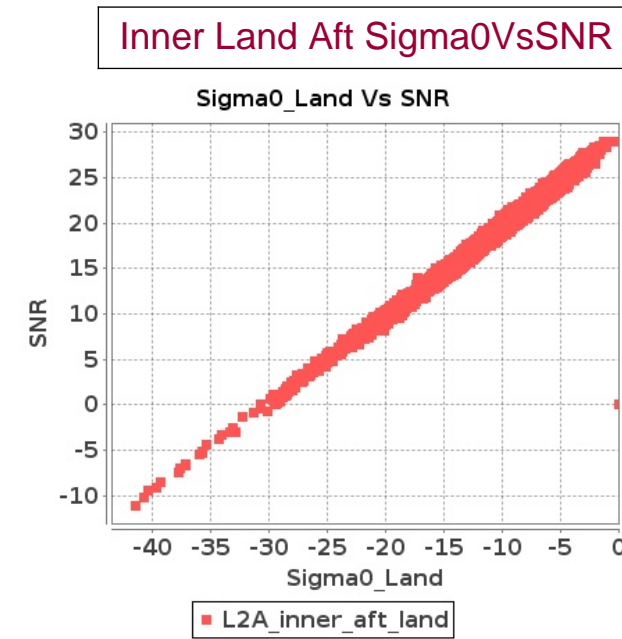
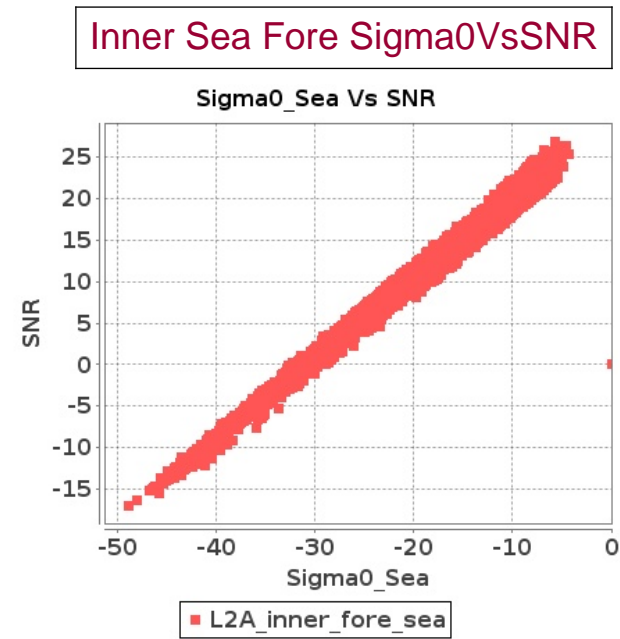
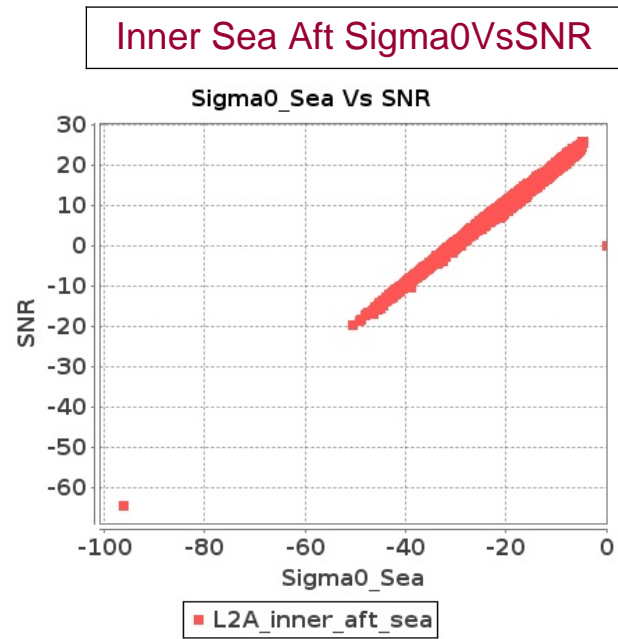


# SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 21-OCT-2018 To 22-OCT-2018



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

Report between 21-OCT-2018 To 22-OCT-2018

| Sr No | Start Orbit | End Orbit | Dir. | Ver. | SNR       |        |            |            |        |            |           |        |            |            |        |            | Sigma0    |        |            |            |        |            |           |        |            |            |        |            |
|-------|-------------|-----------|------|------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|
|       |             |           |      |      | Inner Aft |        |            | Inner Fore |        |            | Outer Aft |        |            | Outer Fore |        |            | Inner Aft |        |            | Inner Fore |        |            | Outer Aft |        |            | Outer Fore |        |            |
|       |             |           |      |      | Min       | Max    | BadOcc (%) | Min        | Max    | BadOcc (%) | Min       | Max    | BadOcc (%) | Min        | Max    | BadOcc (%) | Min       | Max    | BadOcc (%) | Min        | Max    | BadOcc (%) | Min       | Max    | BadOcc (%) | Min        | Max    | BadOcc (%) |
| 1     | 10944       | 10945     | SN   | 1    | 0.0       | 49.376 | 2.541      | 0.0        | 44.568 | 3.573      | 0.0       | 45.236 | 2.237      | 0.0        | 48.022 | 2.957      | 0.0       | 50.072 | 2.631      | 0.0        | 43.385 | 3.169      | 0.0       | 44.032 | 2.031      | 0.0        | 44.992 | 2.458      |
| 2     | 10944       | 10945     | NS   | 1    | 0.0       | 55.417 | 8.054      | 0.0        | 50.383 | 9.44       | 0.0       | 49.478 | 7.068      | 0.0        | 46.039 | 8.324      | 0.0       | 55.481 | 8.105      | 0.0        | 52.287 | 9.018      | 0.0       | 48.776 | 7.032      | 0.0        | 43.236 | 7.748      |
| 3     | 10944       | 10945     | NS   | 1    | 0.0       | 52.4   | 7.705      | 0.0        | 59.017 | 9.497      | 0.0       | 48.375 | 7.173      | 0.0        | 51.187 | 8.499      | 0.0       | 52.344 | 7.816      | 0.0        | 59.814 | 8.883      | 0.0       | 48.166 | 7.038      | 0.0        | 48.762 | 7.916      |
| 4     | 10944       | 10945     | SN   | 1    | 0.0       | 49.229 | 2.701      | 0.0        | 44.568 | 3.712      | 0.0       | 43.208 | 2.262      | 0.0        | 49.294 | 3.144      | 0.0       | 49.77  | 2.796      | 0.0        | 43.383 | 3.312      | 0.0       | 43.239 | 2.113      | 0.0        | 45.547 | 2.6        |
| 5     | 10944       | 10945     | NS   | 1    | 0.0       | 48.019 | 2.242      | 0.0        | 49.533 | 2.788      | 0.0       | 46.713 | 1.978      | 0.0        | 46.343 | 2.564      | 0.0       | 47.65  | 2.31       | 0.0        | 47.508 | 2.605      | 0.0       | 42.843 | 1.96       | 0.0        | 44.712 | 2.325      |
| 6     | 10944       | 10945     | NS   | 1    | 0.0       | 55.347 | 2.358      | 0.0        | 48.922 | 2.755      | 0.0       | 47.332 | 1.968      | 0.0        | 45.957 | 2.416      | 0.0       | 56.602 | 2.331      | 0.0        | 47.522 | 2.556      | 0.0       | 45.776 | 1.934      | 0.0        | 39.84  | 2.266      |
| 7     | 10944       | 10945     | SN   | 1    | 0.0       | 42.297 | 0.628      | 0.0        | 43.474 | 0.782      | 0.0       | 42.148 | 0.585      | 0.0        | 38.417 | 0.878      | 0.0       | 43.157 | 0.585      | 0.0        | 43.605 | 0.633      | 0.0       | 43.796 | 0.502      | 0.0        | 41.385 | 0.664      |
| 8     | 10944       | 10945     | SN   | 1    | 0.0       | 49.218 | 0.681      | 0.0        | 43.528 | 0.826      | 0.0       | 42.17  | 0.629      | 0.0        | 40.977 | 0.898      | 0.0       | 48.105 | 0.639      | 0.0        | 43.66  | 0.672      | 0.0       | 43.817 | 0.535      | 0.0        | 43.948 | 0.677      |
| 9     | 10944       | 10945     | SN   | 1    | 0.0       | 49.229 | 2.531      | 0.0        | 44.568 | 3.553      | 0.0       | 44.034 | 2.244      | 0.0        | 49.294 | 3.028      | 0.0       | 49.77  | 2.621      | 0.0        | 43.383 | 3.149      | 0.0       | 43.239 | 2.06       | 0.0        | 45.547 | 2.501      |
| 10    | 10944       | 10945     | SN   | 1    | 0.0       | 42.306 | 0.641      | 0.0        | 43.528 | 0.796      | 0.0       | 42.17  | 0.602      | 0.0        | 40.977 | 0.862      | 0.0       | 43.165 | 0.601      | 0.0        | 43.66  | 0.651      | 0.0       | 43.817 | 0.512      | 0.0        | 43.948 | 0.648      |
| 11    | 10945       | 10946     | SN   | 1    | 0.0       | 47.609 | 0.856      | 0.0        | 53.221 | 1.137      | 0.0       | 39.102 | 0.937      | 0.0        | 41.466 | 1.331      | 0.0       | 46.666 | 0.871      | 0.0        | 51.645 | 1.083      | 0.0       | 39.476 | 0.905      | 0.0        | 39.381 | 1.16       |
| 12    | 10945       | 10946     | SN   | 1    | 0.0       | 46.972 | 3.287      | 0.0        | 56.453 | 3.785      | 0.0       | 39.017 | 3.003      | 0.0        | 43.475 | 3.791      | 0.0       | 46.888 | 3.327      | 0.0        | 54.075 | 3.604      | 0.0       | 39.321 | 3.088      | 0.0        | 42.435 | 3.506      |
| 13    | 10945       | 10946     | SN   | 1    | 0.0       | 46.972 | 3.287      | 0.0        | 56.453 | 3.785      | 0.0       | 39.017 | 3.003      | 0.0        | 43.475 | 3.791      | 0.0       | 46.888 | 3.327      | 0.0        | 54.075 | 3.604      | 0.0       | 39.321 | 3.088      | 0.0        | 42.435 | 3.506      |
| 14    | 10945       | 10946     | NS   | 1    | 0.0       | 47.989 | 4.576      | 0.0        | 53.447 | 5.717      | 0.0       | 47.713 | 4.232      | 0.0        | 47.911 | 5.628      | 0.0       | 48.508 | 4.616      | 0.0        | 53.578 | 5.646      | 0.0       | 45.975 | 4.175      | 0.0        | 50.585 | 4.974      |
| 15    | 10945       | 10946     | SN   | 1    | 0.0       | 47.609 | 0.866      | 0.0        | 53.221 | 1.15       | 0.0       | 39.102 | 0.93       | 0.0        | 41.466 | 1.332      | 0.0       | 46.666 | 0.882      | 0.0        | 51.645 | 1.096      | 0.0       | 39.476 | 0.898      | 0.0        | 39.381 | 1.156      |
| 16    | 10945       | 10946     | NS   | 1    | 0.0       | 47.989 | 4.546      | 0.0        | 53.396 | 5.787      | 0.0       | 45.743 | 4.189      | 0.0        | 47.547 | 5.55       | 0.0       | 48.364 | 4.627      | 0.0        | 53.527 | 5.747      | 0.0       | 45.191 | 4.125      | 0.0        | 46.344 | 4.959      |
| 17    | 10945       | 10946     | SN   | 1    | 0.0       | 46.972 | 3.326      | 0.0        | 56.453 | 3.824      | 0.0       | 39.017 | 3.004      | 0.0        | 43.475 | 3.808      | 0.0       | 46.888 | 3.366      | 0.0        | 54.075 | 3.64       | 0.0       | 39.321 | 3.083      | 0.0        | 42.435 | 3.521      |
| 18    | 10945       | 10946     | NS   | 1    | 0.0       | 43.017 | 1.276      | 0.0        | 47.04  | 1.745      | 0.0       | 41.415 | 1.22       | 0.0        | 47.471 | 1.691      | 0.0       | 43.459 | 1.249      | 0.0        | 43.769 | 1.621      | 0.0       | 40.678 | 1.145      | 0.0        | 46.215 | 1.52       |
| 19    | 10945       | 10946     | SN   | 1    | 0.0       | 47.609 | 0.856      | 0.0        | 53.221 | 1.137      | 0.0       | 39.102 | 0.935      | 0.0        | 41.466 | 1.331      | 0.0       | 46.666 | 0.871      | 0.0        | 51.645 | 1.083      | 0.0       | 39.476 | 0.903      | 0.0        | 39.381 | 1.16       |
| 20    | 10945       | 10946     | NS   | 1    | 0.0       | 42.532 | 1.267      | 0.0        | 45.298 | 1.754      | 0.0       | 40.952 | 1.223      | 0.0        | 41.846 | 1.717      | 0.0       | 43.162 | 1.258      | 0.0        | 43.804 | 1.605      | 0.0       | 39.927 | 1.147      | 0.0        | 44.589 | 1.513      |
| 21    | 10946       | 10947     | NS   | 1    | 0.0       | 46.489 | 4.275      | 0.0        | 54.467 | 5.884      | 0.0       | 39.698 | 4.495      | 0.0        | 44.9   | 5.918      | 0.0       | 45.825 | 4.315      | 0.0        | 53.766 | 5.773      | 0.0       | 39.398 | 4.459      | 0.0        | 45.103 | 5.825      |
| 22    | 10946       | 10947     | NS   | 1    | 0.0       | 47.566 | 1.256      | 0.0        | 41.05  | 1.789      | 0.0       | 38.755 | 1.312      | 0.0        | 45.858 | 1.963      | 0.0       | 47.286 | 1.292      | 0.0        | 42.976 | 1.735      | 0.0       | 36.934 | 1.301      | 0.0        | 42.576 | 1.894      |
| 23    | 10946       | 10947     | SN   | 1    | 0.0       | 46.07  | 4.28       | 0.0        | 45.951 | 4.778      | 0.0       | 42.742 | 3.909      | 0.0        | 44.779 | 5.597      | 0.0       | 45.073 | 4.3        | 0.0        | 44.94  | 4.485      | 0.0       | 41.227 | 3.895      | 0.0        | 44.899 | 5.376      |
| 24    | 10946       | 10947     | NS   | 1    | 0.0       | 46.489 | 4.275      | 0.0        | 54.467 | 5.904      | 0.0       | 39.698 | 4.495      | 0.0        | 45.244 | 5.868      | 0.0       | 45.825 | 4.265      | 0.0        | 53.768 | 5.763      | 0.0       | 39.398 | 4.459      | 0.0        | 45.644 | 5.811      |
| 25    | 10946       | 10947     | SN   | 1    | 0.0       | 44.26  | 1.243      | 0.0        | 44.778 | 1.561      | 0.0       | 40.188 | 1.32       | 0.0        | 37.973 | 2.133      | 0.0       | 44.362 | 1.206      | 0.0        | 44.835 | 1.49       | 0.0       | 40.379 | 1.222      | 0.0        | 37.672 | 1.867      |
| 26    | 10946       | 10947     | SN   | 1    | 0.0       | 52.049 | 1.245      | 0.0        | 46.116 | 1.561      | 0.0       | 40.186 | 1.331      | 0.0        | 41.104 | 2.122      | 0.0       | 52.153 | 1.227      | 0.0        | 46.173 | 1.49       | 0.0       | 40.379 | 1.24       | 0.0        | 38.162 | 1.828      |
| 27    | 10946       | 10947     | NS   | 1    | 0.0       | 47.566 | 1.254      | 0.0        | 41.05  | 1.801      | 0.0       | 38.755 | 1.333      | 0.0        | 45.858 | 1.951      | 0.0       | 47.286 | 1.283      | 0.0        | 42.964 | 1.749      | 0.0       | 36.936 | 1.323      | 0.0        | 42.576 | 1.891      |
| 28    | 10946       | 10947     | SN   | 1    | 0.0       | 44.26  | 1.229      | 0.0        | 44.778 | 1.552      | 0.0       | 40.188 | 1.315      | 0.0        | 37.973 | 2.117      | 0.0       | 44.362 | 1.193      | 0.0        | 44.835 | 1.475      | 0.0       | 40.379 | 1.216      | 0.0        | 37.672 | 1.852      |
| 29    | 10946       | 10947     | SN   | 1    | 0.0       | 46.749 | 4.358      | 0.0        | 49.536 | 4.745      | 0.0       | 44.379 | 3.867      | 0.0        | 44.939 | 5.576      | 0.0       | 45.825 | 4.358      | 0.0        | 47.119 | 4.49       | 0.0       | 42.864 | 3.882      | 0.0        | 45.061 | 5.395      |
| 30    | 10946       | 10947     | SN   | 1    | 0.0       | 46.07  | 4.328      | 0.0        | 45.951 | 4.806      | 0.0       | 42.742 | 3.946      | 0.0        | 44.779 | 5.59       | 0.0       | 45.073 | 4.348      | 0.0        | 44.94  | 4.5        | 0.0       | 41.227 | 3.932      | 0.0        | 44.899 | 5.388      |
| 31    | 10947       | 10948     | SN   | 1    | 0.0       | 48.184 | 3.838      | 0.0        | 41.562 | 4.697      | 0.0       | 39.431 | 3.859      | 0.0        | 41.291 | 5.176      | 0.0       | 47.543 | 3.788      | 0.0        | 39.635 | 4.414      | 0.0       | 40.833 | 3.711      | 0.0        | 37.546 | 4.713      |

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

|    |       |       |    |   |     |        |       |     |        |        |     |        |       |     |        |       |     |        |       |     |        |        |     |        |       |     |        |       |
|----|-------|-------|----|---|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|-------|
| 32 | 10947 | 10948 | SN | 1 | 0.0 | 42.943 | 0.978 | 0.0 | 38.509 | 1.38   | 0.0 | 37.979 | 1.24  | 0.0 | 38.463 | 1.85  | 0.0 | 43.658 | 0.994 | 0.0 | 35.703 | 1.251  | 0.0 | 36.53  | 1.168 | 0.0 | 38.086 | 1.541 |
| 33 | 10947 | 10948 | SN | 1 | 0.0 | 43.775 | 3.751 | 0.0 | 44.301 | 4.391  | 0.0 | 37.105 | 3.934 | 0.0 | 43.837 | 5.14  | 0.0 | 44.746 | 3.761 | 0.0 | 42.659 | 4.267  | 0.0 | 38.51  | 3.833 | 0.0 | 38.254 | 4.538 |
| 34 | 10947 | 10948 | SN | 1 | 0.0 | 42.56  | 0.927 | 0.0 | 39.631 | 1.443  | 0.0 | 38.953 | 1.184 | 0.0 | 39.752 | 1.846 | 0.0 | 43.275 | 0.936 | 0.0 | 36.513 | 1.353  | 0.0 | 37.95  | 1.122 | 0.0 | 38.452 | 1.557 |
| 35 | 10947 | 10948 | SN | 1 | 0.0 | 42.943 | 0.954 | 0.0 | 38.509 | 1.468  | 0.0 | 37.979 | 1.214 | 0.0 | 38.463 | 1.845 | 0.0 | 43.658 | 0.957 | 0.0 | 35.703 | 1.337  | 0.0 | 36.013 | 1.155 | 0.0 | 38.086 | 1.542 |
| 36 | 10947 | 10948 | NS | 1 | 0.0 | 48.039 | 6.735 | 0.0 | 53.291 | 8.278  | 0.0 | 51.001 | 5.678 | 0.0 | 46.41  | 7.19  | 0.0 | 49.889 | 6.906 | 0.0 | 52.465 | 8.69   | 0.0 | 52.637 | 6.048 | 0.0 | 43.396 | 7.396 |
| 37 | 10947 | 10948 | NS | 1 | 0.0 | 46.076 | 1.84  | 0.0 | 46.642 | 2.499  | 0.0 | 40.934 | 1.666 | 0.0 | 44.071 | 2.254 | 0.0 | 47.082 | 1.864 | 0.0 | 46.739 | 2.517  | 0.0 | 39.77  | 1.81  | 0.0 | 40.408 | 2.289 |
| 38 | 10947 | 10948 | SN | 1 | 0.0 | 43.775 | 3.859 | 0.0 | 40.445 | 4.636  | 0.0 | 37.105 | 3.895 | 0.0 | 45.715 | 5.169 | 0.0 | 44.746 | 3.808 | 0.0 | 39.018 | 4.475  | 0.0 | 38.51  | 3.774 | 0.0 | 41.969 | 4.663 |
| 39 | 10948 | 10949 | NS | 1 | 0.0 | 50.714 | 3.892 | 0.0 | 52.315 | 4.898  | 0.0 | 47.391 | 2.735 | 0.0 | 42.289 | 3.72  | 0.0 | 52.07  | 3.922 | 0.0 | 53.32  | 4.677  | 0.0 | 48.097 | 2.7   | 0.0 | 43.891 | 3.271 |
| 40 | 10948 | 10949 | SN | 1 | 0.0 | 43.539 | 1.132 | 0.0 | 41.135 | 1.54   | 0.0 | 38.5   | 1.306 | 0.0 | 41.826 | 1.935 | 0.0 | 44.149 | 1.15  | 0.0 | 41.379 | 1.445  | 0.0 | 37.254 | 1.304 | 0.0 | 39.452 | 1.667 |
| 41 | 10948 | 10949 | SN | 1 | 0.0 | 42.618 | 3.99  | 0.0 | 47.174 | 5.091  | 0.0 | 39.631 | 3.884 | 0.0 | 41.365 | 5.737 | 0.0 | 42.71  | 3.98  | 0.0 | 46.943 | 4.717  | 0.0 | 38.062 | 3.841 | 0.0 | 37.606 | 5.209 |
| 42 | 10948 | 10949 | SN | 1 | 0.0 | 43.539 | 1.128 | 0.0 | 41.135 | 1.545  | 0.0 | 38.5   | 1.346 | 0.0 | 41.826 | 2.0   | 0.0 | 44.149 | 1.128 | 0.0 | 41.379 | 1.456  | 0.0 | 39.83  | 1.327 | 0.0 | 39.452 | 1.728 |
| 43 | 10948 | 10949 | NS | 1 | 0.0 | 54.883 | 3.759 | 0.0 | 54.094 | 4.809  | 0.0 | 42.612 | 2.912 | 0.0 | 44.547 | 3.791 | 0.0 | 56.654 | 3.809 | 0.0 | 55.654 | 4.598  | 0.0 | 44.459 | 2.777 | 0.0 | 46.343 | 3.457 |
| 44 | 10948 | 10949 | SN | 1 | 0.0 | 38.933 | 1.166 | 0.0 | 38.8   | 1.529  | 0.0 | 40.603 | 1.295 | 0.0 | 41.905 | 1.907 | 0.0 | 38.512 | 1.179 | 0.0 | 38.068 | 1.434  | 0.0 | 41.641 | 1.297 | 0.0 | 39.531 | 1.67  |
| 45 | 10948 | 10949 | SN | 1 | 0.0 | 42.618 | 4.139 | 0.0 | 53.234 | 5.081  | 0.0 | 37.864 | 3.916 | 0.0 | 43.585 | 5.704 | 0.0 | 42.71  | 4.15  | 0.0 | 50.749 | 4.748  | 0.0 | 38.062 | 3.88  | 0.0 | 40.728 | 5.197 |
| 46 | 10948 | 10949 | SN | 1 | 0.0 | 41.18  | 4.119 | 0.0 | 47.078 | 5.03   | 0.0 | 41.45  | 3.901 | 0.0 | 44.045 | 5.718 | 0.0 | 42.233 | 4.2   | 0.0 | 47.252 | 4.697  | 0.0 | 41.487 | 3.93  | 0.0 | 41.204 | 5.112 |
| 47 | 10948 | 10949 | NS | 1 | 0.0 | 49.362 | 0.995 | 0.0 | 51.192 | 1.401  | 0.0 | 40.957 | 0.65  | 0.0 | 44.244 | 1.033 | 0.0 | 47.812 | 1.009 | 0.0 | 48.356 | 1.311  | 0.0 | 41.304 | 0.643 | 0.0 | 46.249 | 0.893 |
| 48 | 10948 | 10949 | NS | 1 | 0.0 | 42.219 | 0.901 | 0.0 | 52.511 | 1.408  | 0.0 | 38.658 | 0.672 | 0.0 | 44.318 | 1.016 | 0.0 | 43.699 | 0.916 | 0.0 | 51.609 | 1.272  | 0.0 | 36.944 | 0.638 | 0.0 | 49.223 | 0.865 |
| 49 | 10949 | 10950 | NS | 1 | 0.0 | 51.62  | 4.264 | 0.0 | 52.53  | 4.811  | 0.0 | 39.69  | 3.498 | 0.0 | 44.27  | 4.69  | 0.0 | 51.975 | 4.274 | 0.0 | 53.227 | 4.197  | 0.0 | 39.55  | 3.413 | 0.0 | 45.558 | 4.071 |
| 50 | 10949 | 10950 | NS | 1 | 0.0 | 49.127 | 4.304 | 0.0 | 51.622 | 4.85   | 0.0 | 49.735 | 3.621 | 0.0 | 47.819 | 4.729 | 0.0 | 49.739 | 4.294 | 0.0 | 55.242 | 4.407  | 0.0 | 49.55  | 3.407 | 0.0 | 50.25  | 3.947 |
| 51 | 10949 | 10950 | SN | 1 | 0.0 | 43.658 | 2.437 | 0.0 | 45.921 | 3.131  | 0.0 | 38.568 | 2.23  | 0.0 | 46.334 | 2.817 | 0.0 | 45.42  | 2.437 | 0.0 | 45.836 | 3.091  | 0.0 | 38.165 | 2.396 | 0.0 | 43.587 | 2.908 |
| 52 | 10949 | 10950 | SN | 1 | 0.0 | 47.785 | 8.871 | 0.0 | 50.095 | 10.279 | 0.0 | 38.253 | 7.232 | 0.0 | 48.721 | 8.476 | 0.0 | 48.779 | 9.028 | 0.0 | 50.304 | 10.174 | 0.0 | 39.791 | 7.646 | 0.0 | 47.414 | 8.87  |
| 53 | 10949 | 10950 | SN | 1 | 0.0 | 43.658 | 2.437 | 0.0 | 45.921 | 3.131  | 0.0 | 38.568 | 2.23  | 0.0 | 46.334 | 2.817 | 0.0 | 45.42  | 2.437 | 0.0 | 45.836 | 3.091  | 0.0 | 38.165 | 2.396 | 0.0 | 43.587 | 2.908 |
| 54 | 10949 | 10950 | SN | 1 | 0.0 | 43.658 | 2.446 | 0.0 | 45.921 | 3.178  | 0.0 | 38.568 | 2.273 | 0.0 | 46.334 | 2.811 | 0.0 | 45.42  | 2.427 | 0.0 | 45.836 | 3.159  | 0.0 | 38.165 | 2.433 | 0.0 | 43.587 | 2.917 |
| 55 | 10949 | 10950 | SN | 1 | 0.0 | 47.784 | 8.908 | 0.0 | 50.095 | 10.288 | 0.0 | 41.062 | 7.177 | 0.0 | 48.721 | 8.392 | 0.0 | 48.779 | 9.009 | 0.0 | 50.304 | 10.096 | 0.0 | 39.767 | 7.651 | 0.0 | 47.414 | 8.727 |
| 56 | 10949 | 10950 | NS | 1 | 0.0 | 44.255 | 1.179 | 0.0 | 44.612 | 1.421  | 0.0 | 37.493 | 1.007 | 0.0 | 49.931 | 1.518 | 0.0 | 44.697 | 1.154 | 0.0 | 47.106 | 1.347  | 0.0 | 37.531 | 0.914 | 0.0 | 50.829 | 1.291 |
| 57 | 10949 | 10950 | NS | 1 | 0.0 | 49.849 | 1.159 | 0.0 | 48.506 | 1.413  | 0.0 | 42.561 | 0.965 | 0.0 | 49.236 | 1.552 | 0.0 | 50.532 | 1.181 | 0.0 | 49.438 | 1.307  | 0.0 | 41.822 | 0.924 | 0.0 | 47.799 | 1.315 |
| 58 | 10949 | 10950 | SN | 1 | 0.0 | 47.784 | 8.908 | 0.0 | 50.095 | 10.288 | 0.0 | 41.062 | 7.177 | 0.0 | 48.721 | 8.392 | 0.0 | 48.779 | 9.009 | 0.0 | 50.304 | 10.096 | 0.0 | 39.767 | 7.651 | 0.0 | 47.414 | 8.727 |
| 59 | 10950 | 10951 | SN | 1 | 0.0 | 45.794 | 2.174 | 0.0 | 47.671 | 3.113  | 0.0 | 43.573 | 1.737 | 0.0 | 49.012 | 2.615 | 0.0 | 45.87  | 2.179 | 0.0 | 48.182 | 2.898  | 0.0 | 45.285 | 1.712 | 0.0 | 43.989 | 2.528 |
| 60 | 10950 | 10951 | SN | 1 | 0.0 | 58.464 | 7.883 | 0.0 | 47.7   | 9.543  | 0.0 | 45.434 | 6.649 | 0.0 | 48.372 | 8.677 | 0.0 | 60.382 | 7.893 | 0.0 | 50.459 | 9.199  | 0.0 | 46.066 | 6.641 | 0.0 | 48.83  | 8.564 |
| 61 | 10950 | 10951 | NS | 1 | 0.0 | 52.53  | 5.413 | 0.0 | 54.928 | 6.781  | 0.0 | 45.589 | 4.241 | 0.0 | 46.432 | 4.894 | 0.0 | 52.03  | 5.363 | 0.0 | 56.543 | 6.188  | 0.0 | 45.497 | 4.077 | 0.0 | 45.129 | 4.403 |
| 62 | 10950 | 10951 | NS | 1 | 0.0 | 49.796 | 5.232 | 0.0 | 53.189 | 6.26   | 0.0 | 45.726 | 4.018 | 0.0 | 49.346 | 4.975 | 0.0 | 52.001 | 5.222 | 0.0 | 56.543 | 6.069  | 0.0 | 44.201 | 4.075 | 0.0 | 47.53  | 4.612 |
| 63 | 10950 | 10951 | SN | 1 | 0.0 | 58.464 | 7.908 | 0.0 | 47.7   | 9.783  | 0.0 | 45.434 | 6.492 | 0.0 | 48.372 | 8.749 | 0.0 | 60.382 | 7.908 | 0.0 | 50.459 | 9.47   | 0.0 | 46.066 | 6.471 | 0.0 | 48.83  | 8.578 |
| 64 | 10950 | 10951 | SN | 1 | 0.0 | 58.639 | 7.858 | 0.0 | 47.225 | 9.833  | 0.0 | 45.621 | 6.471 | 0.0 | 48.351 | 8.749 | 0.0 | 60.559 | 7.828 | 0.0 | 50.454 | 9.531  | 0.0 | 46.126 | 6.457 | 0.0 | 48.81  | 8.585 |
| 65 | 10950 | 10951 | SN | 1 | 0.0 | 45.794 | 2.218 | 0.0 | 50.27  | 3.153  | 0.0 | 43.573 | 1.785 | 0.0 | 49.012 | 2.64  | 0.0 | 45.87  | 2.218 | 0.0 | 48.182 | 2.943  | 0.0 | 45.285 | 1.753 | 0.0 | 43.989 | 2.553 |
| 66 | 10950 | 10951 | SN | 1 | 0.0 | 45.796 | 2.129 | 0.0 | 47.052 | 3.118  | 0.0 | 40.372 | 1.759 | 0.0 | 48.843 | 2.595 | 0.0 | 45.869 | 2.165 | 0.0 | 47.563 | 2.894  | 0.0 | 39.706 | 1.714 | 0.0 | 43.824 | 2.489 |
| 67 | 10950 | 10951 | NS | 1 | 0.0 | 46.676 | 1.372 | 0.0 | 45.052 | 1.914  | 0.0 | 37.606 | 1.183 | 0.0 | 39.173 | 1.524 | 0.0 | 47.755 | 1.374 | 0.0 | 46.683 | 1.787  | 0.0 | 37.298 | 1.149 | 0.0 | 41.473 | 1.293 |

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

|     |       |       |    |   |     |        |       |     |        |        |     |        |       |     |        |        |     |        |       |     |        |        |     |        |       |     |        |        |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|--------|
| 68  | 10950 | 10951 | NS | 1 | 0.0 | 47.289 | 1.417 | 0.0 | 52.304 | 1.921  | 0.0 | 40.92  | 1.266 | 0.0 | 43.724 | 1.613  | 0.0 | 48.432 | 1.389 | 0.0 | 49.755 | 1.734  | 0.0 | 41.562 | 1.152 | 0.0 | 40.146 | 1.393  |
| 69  | 10951 | 10952 | NS | 1 | 0.0 | 40.754 | 1.724 | 0.0 | 38.957 | 2.657  | 0.0 | 43.126 | 1.781 | 0.0 | 42.396 | 2.783  | 0.0 | 40.264 | 1.774 | 0.0 | 37.102 | 2.335  | 0.0 | 42.152 | 1.703 | 0.0 | 41.681 | 2.114  |
| 70  | 10951 | 10952 | NS | 1 | 0.0 | 40.96  | 1.714 | 0.0 | 38.957 | 2.657  | 0.0 | 43.126 | 1.838 | 0.0 | 43.564 | 2.733  | 0.0 | 40.469 | 1.754 | 0.0 | 37.102 | 2.375  | 0.0 | 42.152 | 1.71  | 0.0 | 42.851 | 2.114  |
| 71  | 10951 | 10952 | NS | 1 | 0.0 | 40.318 | 0.536 | 0.0 | 44.56  | 0.764  | 0.0 | 37.007 | 0.628 | 0.0 | 41.037 | 0.978  | 0.0 | 40.461 | 0.509 | 0.0 | 42.38  | 0.649  | 0.0 | 36.839 | 0.572 | 0.0 | 36.756 | 0.646  |
| 72  | 10951 | 10952 | SN | 1 | 0.0 | 51.152 | 6.624 | 0.0 | 56.271 | 7.441  | 0.0 | 47.595 | 5.362 | 0.0 | 49.035 | 6.448  | 0.0 | 53.237 | 6.584 | 0.0 | 56.083 | 7.097  | 0.0 | 47.786 | 4.93  | 0.0 | 49.266 | 5.458  |
| 73  | 10951 | 10952 | NS | 1 | 0.0 | 39.837 | 0.53  | 0.0 | 44.56  | 0.766  | 0.0 | 38.229 | 0.626 | 0.0 | 40.932 | 0.963  | 0.0 | 39.978 | 0.514 | 0.0 | 42.38  | 0.653  | 0.0 | 38.059 | 0.583 | 0.0 | 36.756 | 0.648  |
| 74  | 10951 | 10952 | SN | 1 | 0.0 | 51.152 | 6.33  | 0.0 | 56.271 | 7.155  | 0.0 | 47.595 | 5.291 | 0.0 | 49.035 | 6.304  | 0.0 | 53.237 | 6.33  | 0.0 | 56.083 | 6.886  | 0.0 | 47.786 | 4.844 | 0.0 | 49.266 | 5.322  |
| 75  | 10951 | 10952 | SN | 1 | 0.0 | 48.758 | 1.777 | 0.0 | 46.662 | 2.195  | 0.0 | 48.568 | 1.384 | 0.0 | 50.54  | 1.718  | 0.0 | 49.635 | 1.755 | 0.0 | 49.94  | 1.994  | 0.0 | 47.346 | 1.254 | 0.0 | 49.058 | 1.433  |
| 76  | 10951 | 10952 | SN | 1 | 0.0 | 51.152 | 6.624 | 0.0 | 56.271 | 7.441  | 0.0 | 47.595 | 5.355 | 0.0 | 49.035 | 6.448  | 0.0 | 53.237 | 6.604 | 0.0 | 56.083 | 7.087  | 0.0 | 47.786 | 4.944 | 0.0 | 49.266 | 5.451  |
| 77  | 10951 | 10952 | SN | 1 | 0.0 | 48.758 | 1.801 | 0.0 | 46.662 | 2.227  | 0.0 | 48.568 | 1.409 | 0.0 | 50.54  | 1.766  | 0.0 | 49.635 | 1.774 | 0.0 | 49.94  | 2.039  | 0.0 | 47.346 | 1.283 | 0.0 | 49.058 | 1.462  |
| 78  | 10951 | 10952 | SN | 1 | 0.0 | 48.758 | 1.806 | 0.0 | 46.662 | 2.229  | 0.0 | 48.568 | 1.41  | 0.0 | 50.54  | 1.767  | 0.0 | 49.635 | 1.776 | 0.0 | 49.94  | 2.039  | 0.0 | 47.346 | 1.292 | 0.0 | 49.058 | 1.465  |
| 79  | 10952 | 10953 | NS | 1 | 0.0 | 42.706 | 3.71  | 0.0 | 45.804 | 4.396  | 0.0 | 44.159 | 4.338 | 0.0 | 47.293 | 5.142  | 0.0 | 43.913 | 3.71  | 0.0 | 45.543 | 4.195  | 0.0 | 44.288 | 4.132 | 0.0 | 45.969 | 4.644  |
| 80  | 10952 | 10953 | NS | 1 | 0.0 | 44.523 | 1.229 | 0.0 | 43.282 | 1.577  | 0.0 | 42.801 | 1.134 | 0.0 | 40.51  | 1.555  | 0.0 | 46.058 | 1.247 | 0.0 | 42.989 | 1.507  | 0.0 | 43.226 | 1.108 | 0.0 | 37.06  | 1.369  |
| 81  | 10952 | 10953 | SN | 1 | 0.0 | 51.235 | 1.319 | 0.0 | 52.287 | 1.859  | 0.0 | 43.689 | 1.132 | 0.0 | 51.543 | 1.718  | 0.0 | 51.38  | 1.331 | 0.0 | 48.095 | 1.728  | 0.0 | 44.189 | 1.109 | 0.0 | 49.21  | 1.571  |
| 82  | 10952 | 10953 | NS | 1 | 0.0 | 44.523 | 1.215 | 0.0 | 43.282 | 1.575  | 0.0 | 42.799 | 1.141 | 0.0 | 40.51  | 1.559  | 0.0 | 46.058 | 1.231 | 0.0 | 42.989 | 1.507  | 0.0 | 43.225 | 1.102 | 0.0 | 37.339 | 1.373  |
| 83  | 10952 | 10953 | NS | 1 | 0.0 | 42.713 | 3.731 | 0.0 | 45.804 | 4.447  | 0.0 | 44.159 | 4.331 | 0.0 | 47.309 | 5.177  | 0.0 | 43.917 | 3.7   | 0.0 | 45.543 | 4.225  | 0.0 | 44.288 | 4.125 | 0.0 | 45.649 | 4.68   |
| 84  | 10952 | 10953 | SN | 1 | 0.0 | 53.893 | 4.925 | 0.0 | 52.204 | 6.032  | 0.0 | 47.505 | 4.406 | 0.0 | 49.034 | 5.54   | 0.0 | 53.923 | 5.036 | 0.0 | 53.036 | 5.85   | 0.0 | 46.566 | 4.286 | 0.0 | 47.524 | 5.112  |
| 85  | 10953 | 10954 | NS | 1 | 0.0 | 52.414 | 5.795 | 0.0 | 51.518 | 6.852  | 0.0 | 42.969 | 4.109 | 0.0 | 50.033 | 5.613  | 0.0 | 52.784 | 5.785 | 0.0 | 50.884 | 6.641  | 0.0 | 41.008 | 4.151 | 0.0 | 48.729 | 5.158  |
| 86  | 10953 | 10954 | SN | 1 | 0.0 | 49.877 | 1.604 | 0.0 | 43.328 | 2.206  | 0.0 | 42.332 | 1.584 | 0.0 | 39.63  | 2.049  | 0.0 | 49.082 | 1.575 | 0.0 | 45.794 | 2.138  | 0.0 | 43.998 | 1.57  | 0.0 | 38.292 | 1.994  |
| 87  | 10953 | 10954 | NS | 1 | 0.0 | 44.069 | 1.296 | 0.0 | 42.499 | 1.794  | 0.0 | 38.236 | 1.16  | 0.0 | 42.12  | 1.697  | 0.0 | 43.338 | 1.267 | 0.0 | 42.849 | 1.663  | 0.0 | 37.415 | 1.125 | 0.0 | 39.592 | 1.513  |
| 88  | 10953 | 10954 | SN | 1 | 0.0 | 44.421 | 6.217 | 0.0 | 52.006 | 7.637  | 0.0 | 44.235 | 4.729 | 0.0 | 42.858 | 6.175  | 0.0 | 45.129 | 6.338 | 0.0 | 51.346 | 7.253  | 0.0 | 42.071 | 4.906 | 0.0 | 43.637 | 6.325  |
| 89  | 10954 | 10955 | SN | 1 | 0.0 | 44.329 | 1.305 | 0.0 | 43.01  | 1.708  | 0.0 | 49.473 | 1.418 | 0.0 | 45.042 | 1.916  | 0.0 | 44.463 | 1.296 | 0.0 | 45.594 | 1.609  | 0.0 | 46.712 | 1.404 | 0.0 | 46.598 | 1.695  |
| 90  | 10954 | 10955 | SN | 1 | 0.0 | 55.135 | 4.508 | 0.0 | 58.755 | 5.728  | 0.0 | 47.782 | 4.702 | 0.0 | 45.084 | 6.336  | 0.0 | 56.436 | 4.559 | 0.0 | 60.554 | 5.306  | 0.0 | 48.021 | 4.794 | 0.0 | 45.323 | 5.904  |
| 91  | 10954 | 10955 | SN | 1 | 0.0 | 43.181 | 1.274 | 0.0 | 44.889 | 1.905  | 0.0 | 37.567 | 1.472 | 0.0 | 44.264 | 1.988  | 0.0 | 43.565 | 1.304 | 0.0 | 43.717 | 1.844  | 0.0 | 38.893 | 1.488 | 0.0 | 47.598 | 1.805  |
| 92  | 10954 | 10955 | NS | 1 | 0.0 | 47.278 | 2.983 | 0.0 | 47.366 | 4.055  | 0.0 | 45.961 | 2.706 | 0.0 | 48.874 | 3.97   | 0.0 | 47.975 | 2.983 | 0.0 | 47.936 | 3.582  | 0.0 | 44.809 | 2.485 | 0.0 | 51.617 | 3.102  |
| 93  | 10954 | 10955 | SN | 1 | 0.0 | 58.543 | 4.61  | 0.0 | 52.228 | 5.647  | 0.0 | 48.395 | 4.977 | 0.0 | 49.352 | 6.045  | 0.0 | 60.526 | 4.661 | 0.0 | 54.211 | 5.364  | 0.0 | 48.221 | 4.941 | 0.0 | 46.178 | 5.415  |
| 94  | 10954 | 10955 | NS | 1 | 0.0 | 41.871 | 0.731 | 0.0 | 45.703 | 1.052  | 0.0 | 37.349 | 0.841 | 0.0 | 44.996 | 1.34   | 0.0 | 42.508 | 0.735 | 0.0 | 45.272 | 0.914  | 0.0 | 36.947 | 0.773 | 0.0 | 46.066 | 0.966  |
| 95  | 10955 | 10956 | NS | 1 | 0.0 | 53.399 | 3.952 | 0.0 | 59.468 | 13.589 | 0.0 | 52.587 | 3.4   | 0.0 | 51.735 | 8.065  | 0.0 | 54.057 | 4.056 | 0.0 | 58.036 | 14.128 | 0.0 | 54.09  | 3.149 | 0.0 | 53.027 | 8.183  |
| 96  | 10955 | 10956 | NS | 1 | 0.0 | 59.454 | 7.55  | 0.0 | 58.331 | 33.41  | 0.0 | 52.607 | 8.596 | 0.0 | 53.215 | 21.205 | 0.0 | 59.429 | 7.61  | 0.0 | 57.607 | 33.732 | 0.0 | 53.549 | 7.947 | 0.0 | 55.247 | 20.906 |
| 97  | 10955 | 10956 | SN | 1 | 0.0 | 41.701 | 0.68  | 0.0 | 47.199 | 0.827  | 0.0 | 39.003 | 0.712 | 0.0 | 44.568 | 0.86   | 0.0 | 41.72  | 0.691 | 0.0 | 46.325 | 0.798  | 0.0 | 38.813 | 0.681 | 0.0 | 42.683 | 0.714  |
| 98  | 10955 | 10956 | SN | 1 | 0.0 | 46.568 | 2.682 | 0.0 | 42.663 | 3.019  | 0.0 | 43.324 | 2.67  | 0.0 | 39.235 | 3.203  | 0.0 | 47.013 | 2.671 | 0.0 | 45.466 | 2.857  | 0.0 | 41.827 | 2.578 | 0.0 | 38.712 | 2.747  |
| 99  | 10955 | 10956 | NS | 1 | 0.0 | 58.625 | 6.527 | 0.0 | 58.331 | 28.265 | 0.0 | 52.562 | 7.302 | 0.0 | 50.528 | 17.771 | 0.0 | 58.719 | 6.789 | 0.0 | 57.112 | 29.065 | 0.0 | 53.549 | 6.822 | 0.0 | 52.143 | 18.345 |
| 100 | 10955 | 10956 | SN | 1 | 0.0 | 41.701 | 0.68  | 0.0 | 47.199 | 0.827  | 0.0 | 39.003 | 0.712 | 0.0 | 44.568 | 0.86   | 0.0 | 41.72  | 0.691 | 0.0 | 46.325 | 0.798  | 0.0 | 38.813 | 0.681 | 0.0 | 42.683 | 0.714  |
| 101 | 10955 | 10956 | NS | 1 | 0.0 | 53.399 | 4.563 | 0.0 | 59.468 | 18.315 | 0.0 | 52.587 | 3.879 | 0.0 | 54.727 | 10.997 | 0.0 | 54.057 | 4.568 | 0.0 | 58.036 | 18.424 | 0.0 | 54.09  | 3.498 | 0.0 | 55.303 | 10.108 |
| 102 | 10955 | 10956 | SN | 1 | 0.0 | 46.568 | 2.682 | 0.0 | 42.663 | 3.019  | 0.0 | 43.324 | 2.67  | 0.0 | 39.235 | 3.203  | 0.0 | 47.013 | 2.671 | 0.0 | 45.466 | 2.857  | 0.0 | 41.827 | 2.578 | 0.0 | 38.712 | 2.747  |
| 103 | 10955 | 10956 | NS | 1 | 0.0 | 58.625 | 6.732 | 0.0 | 56.896 | 28.305 | 0.0 | 52.562 | 7.463 | 0.0 | 50.528 | 18.073 | 0.0 | 58.719 | 7.002 | 0.0 | 57.112 | 29.121 | 0.0 | 53.549 | 6.986 | 0.0 | 52.143 | 18.621 |

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



|     |       |       |    |   |     |        |       |     |        |        |     |        |       |     |        |       |     |        |       |     |        |        |     |        |       |     |        |       |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|-------|
| 104 | 10955 | 10956 | NS | 1 | 0.0 | 53.399 | 4.105 | 0.0 | 59.468 | 13.514 | 0.0 | 52.587 | 3.499 | 0.0 | 51.735 | 8.204 | 0.0 | 54.057 | 4.213 | 0.0 | 58.036 | 14.063 | 0.0 | 54.09  | 3.247 | 0.0 | 53.027 | 8.32  |
| 105 | 10956 | 10957 | NS | 1 | 0.0 | 40.466 | 1.214 | 0.0 | 46.299 | 1.404  | 0.0 | 41.594 | 1.459 | 0.0 | 40.002 | 1.893 | 0.0 | 41.327 | 1.219 | 0.0 | 45.223 | 1.344  | 0.0 | 41.11  | 1.405 | 0.0 | 39.749 | 1.738 |
| 106 | 10956 | 10957 | NS | 1 | 0.0 | 47.275 | 3.451 | 0.0 | 43.311 | 4.036  | 0.0 | 40.426 | 4.347 | 0.0 | 42.391 | 5.469 | 0.0 | 47.893 | 3.43  | 0.0 | 40.795 | 3.814  | 0.0 | 40.536 | 4.355 | 0.0 | 40.552 | 5.252 |
| 107 | 10956 | 10957 | NS | 1 | 0.0 | 47.275 | 3.276 | 0.0 | 43.311 | 3.835  | 0.0 | 38.692 | 4.111 | 0.0 | 40.466 | 5.202 | 0.0 | 47.893 | 3.266 | 0.0 | 40.795 | 3.624  | 0.0 | 39.835 | 4.154 | 0.0 | 40.419 | 4.982 |
| 108 | 10956 | 10957 | SN | 1 | 0.0 | 52.805 | 3.515 | 0.0 | 57.491 | 4.25   | 0.0 | 43.857 | 3.824 | 0.0 | 45.986 | 4.051 | 0.0 | 53.413 | 3.586 | 0.0 | 55.316 | 3.987  | 0.0 | 45.427 | 3.589 | 0.0 | 51.457 | 3.636 |
| 109 | 10956 | 10957 | NS | 1 | 0.0 | 40.466 | 1.15  | 0.0 | 47.289 | 1.337  | 0.0 | 41.594 | 1.38  | 0.0 | 46.334 | 1.797 | 0.0 | 41.327 | 1.152 | 0.0 | 45.223 | 1.282  | 0.0 | 41.11  | 1.317 | 0.0 | 45.022 | 1.651 |
| 110 | 10956 | 10957 | SN | 1 | 0.0 | 48.799 | 1.006 | 0.0 | 45.316 | 1.142  | 0.0 | 37.996 | 1.15  | 0.0 | 48.573 | 1.285 | 0.0 | 48.415 | 0.977 | 0.0 | 45.977 | 1.054  | 0.0 | 38.114 | 1.063 | 0.0 | 43.392 | 1.113 |
| 111 | 10956 | 10957 | NS | 1 | 0.0 | 44.687 | 3.296 | 0.0 | 43.417 | 3.775  | 0.0 | 39.388 | 4.211 | 0.0 | 38.591 | 5.188 | 0.0 | 45.304 | 3.256 | 0.0 | 39.864 | 3.634  | 0.0 | 40.897 | 4.146 | 0.0 | 40.335 | 4.932 |
| 112 | 10956 | 10957 | NS | 1 | 0.0 | 49.512 | 1.19  | 0.0 | 50.895 | 1.337  | 0.0 | 41.594 | 1.38  | 0.0 | 41.607 | 1.832 | 0.0 | 47.847 | 1.181 | 0.0 | 48.11  | 1.264  | 0.0 | 41.11  | 1.3   | 0.0 | 41.804 | 1.655 |
| 113 | 10957 | 10958 | NS | 1 | 0.0 | 40.883 | 5.938 | 0.0 | 46.82  | 7.813  | 0.0 | 42.697 | 6.434 | 0.0 | 45.861 | 8.365 | 0.0 | 40.956 | 5.938 | 0.0 | 47.797 | 7.346  | 0.0 | 43.312 | 6.512 | 0.0 | 45.419 | 8.24  |
| 114 | 10957 | 10958 | SN | 1 | 0.0 | 36.58  | 0.878 | 0.0 | 38.749 | 1.151  | 0.0 | 35.829 | 1.224 | 0.0 | 46.08  | 1.696 | 0.0 | 35.988 | 0.862 | 0.0 | 40.61  | 0.977  | 0.0 | 33.7   | 1.131 | 0.0 | 44.175 | 1.291 |
| 115 | 10957 | 10958 | NS | 1 | 0.0 | 48.893 | 1.808 | 0.0 | 44.021 | 2.469  | 0.0 | 45.663 | 1.748 | 0.0 | 42.793 | 2.638 | 0.0 | 48.299 | 1.846 | 0.0 | 42.215 | 2.34   | 0.0 | 41.952 | 1.744 | 0.0 | 39.371 | 2.518 |
| 116 | 10957 | 10958 | NS | 1 | 0.0 | 45.932 | 1.758 | 0.0 | 45.652 | 2.482  | 0.0 | 42.21  | 1.762 | 0.0 | 42.793 | 2.669 | 0.0 | 45.336 | 1.781 | 0.0 | 43.801 | 2.34   | 0.0 | 38.499 | 1.753 | 0.0 | 39.371 | 2.497 |
| 117 | 10957 | 10958 | NS | 1 | 0.0 | 40.496 | 5.383 | 0.0 | 46.78  | 7.077  | 0.0 | 39.048 | 5.7   | 0.0 | 47.255 | 7.672 | 0.0 | 40.348 | 5.463 | 0.0 | 47.759 | 6.684  | 0.0 | 41.605 | 5.835 | 0.0 | 46.286 | 7.58  |
| 118 | 10957 | 10958 | NS | 1 | 0.0 | 45.932 | 1.946 | 0.0 | 45.652 | 2.732  | 0.0 | 42.21  | 1.951 | 0.0 | 42.793 | 2.951 | 0.0 | 45.336 | 1.966 | 0.0 | 43.801 | 2.58   | 0.0 | 38.499 | 1.929 | 0.0 | 39.371 | 2.751 |
| 119 | 10957 | 10958 | NS | 1 | 0.0 | 40.883 | 5.352 | 0.0 | 46.82  | 7.077  | 0.0 | 42.697 | 5.785 | 0.0 | 45.861 | 7.601 | 0.0 | 40.956 | 5.383 | 0.0 | 47.797 | 6.664  | 0.0 | 43.312 | 5.878 | 0.0 | 45.419 | 7.459 |
| 120 | 10957 | 10958 | SN | 1 | 0.0 | 41.514 | 2.922 | 0.0 | 50.476 | 3.614  | 0.0 | 40.211 | 3.461 | 0.0 | 43.082 | 4.554 | 0.0 | 42.455 | 2.902 | 0.0 | 49.155 | 3.16   | 0.0 | 37.685 | 3.376 | 0.0 | 43.079 | 3.927 |
| 121 | 10957 | 10958 | SN | 1 | 0.0 | 41.514 | 2.922 | 0.0 | 50.476 | 3.614  | 0.0 | 40.211 | 3.461 | 0.0 | 43.082 | 4.554 | 0.0 | 42.455 | 2.902 | 0.0 | 49.155 | 3.16   | 0.0 | 37.685 | 3.376 | 0.0 | 43.079 | 3.927 |
| 122 | 10957 | 10958 | SN | 1 | 0.0 | 36.58  | 0.878 | 0.0 | 38.749 | 1.151  | 0.0 | 35.829 | 1.224 | 0.0 | 46.08  | 1.696 | 0.0 | 35.988 | 0.862 | 0.0 | 40.61  | 0.977  | 0.0 | 33.7   | 1.131 | 0.0 | 44.175 | 1.291 |
| 123 | 10958 | 10959 | NS | 1 | 0.0 | 43.291 | 1.732 | 0.0 | 47.612 | 2.408  | 0.0 | 38.827 | 1.747 | 0.0 | 44.756 | 2.281 | 0.0 | 44.409 | 1.721 | 0.0 | 48.797 | 2.288  | 0.0 | 39.28  | 1.722 | 0.0 | 45.074 | 2.044 |
| 124 | 10958 | 10959 | SN | 1 | 0.0 | 45.124 | 0.903 | 0.0 | 43.707 | 1.33   | 0.0 | 43.0   | 0.868 | 0.0 | 40.479 | 1.378 | 0.0 | 43.665 | 0.916 | 0.0 | 44.702 | 1.165  | 0.0 | 44.925 | 0.841 | 0.0 | 36.897 | 1.089 |
| 125 | 10958 | 10959 | NS | 1 | 0.0 | 46.025 | 7.636 | 0.0 | 47.408 | 9.903  | 0.0 | 47.264 | 7.251 | 0.0 | 43.604 | 8.803 | 0.0 | 46.728 | 7.851 | 0.0 | 47.927 | 9.63   | 0.0 | 49.461 | 7.302 | 0.0 | 40.28  | 8.461 |
| 126 | 10958 | 10959 | SN | 1 | 0.0 | 42.348 | 1.229 | 0.0 | 49.439 | 1.693  | 0.0 | 35.152 | 1.097 | 0.0 | 40.479 | 1.582 | 0.0 | 42.675 | 1.236 | 0.0 | 46.806 | 1.452  | 0.0 | 33.536 | 1.002 | 0.0 | 36.615 | 1.293 |
| 127 | 10958 | 10959 | NS | 1 | 0.0 | 46.025 | 7.068 | 0.0 | 47.408 | 8.715  | 0.0 | 47.264 | 6.756 | 0.0 | 43.604 | 7.645 | 0.0 | 46.728 | 7.233 | 0.0 | 47.927 | 8.423  | 0.0 | 49.461 | 6.771 | 0.0 | 40.28  | 7.318 |
| 128 | 10958 | 10959 | NS | 1 | 0.0 | 43.291 | 1.784 | 0.0 | 47.612 | 2.413  | 0.0 | 39.626 | 1.795 | 0.0 | 44.756 | 2.283 | 0.0 | 44.409 | 1.77  | 0.0 | 48.797 | 2.284  | 0.0 | 40.079 | 1.758 | 0.0 | 45.074 | 2.048 |
| 129 | 10958 | 10959 | NS | 1 | 0.0 | 43.291 | 1.944 | 0.0 | 47.612 | 2.755  | 0.0 | 39.626 | 1.94  | 0.0 | 44.756 | 2.633 | 0.0 | 44.409 | 1.928 | 0.0 | 48.797 | 2.612  | 0.0 | 40.079 | 1.923 | 0.0 | 45.074 | 2.377 |
| 130 | 10958 | 10959 | SN | 1 | 0.0 | 47.21  | 1.162 | 0.0 | 42.651 | 1.377  | 0.0 | 42.383 | 1.121 | 0.0 | 40.479 | 1.201 | 0.0 | 46.802 | 1.181 | 0.0 | 38.437 | 1.186  | 0.0 | 41.398 | 1.027 | 0.0 | 42.139 | 1.013 |
| 131 | 10958 | 10959 | SN | 1 | 0.0 | 44.948 | 4.135 | 0.0 | 44.537 | 4.453  | 0.0 | 43.055 | 3.373 | 0.0 | 49.442 | 2.871 | 0.0 | 45.836 | 4.135 | 0.0 | 45.343 | 3.695  | 0.0 | 44.058 | 3.178 | 0.0 | 47.496 | 2.723 |
| 132 | 10958 | 10959 | NS | 1 | 0.0 | 46.025 | 6.889 | 0.0 | 47.409 | 8.702  | 0.0 | 46.828 | 6.553 | 0.0 | 43.604 | 7.645 | 0.0 | 46.728 | 7.04  | 0.0 | 47.927 | 8.431  | 0.0 | 49.025 | 6.56  | 0.0 | 40.28  | 7.325 |
| 133 | 10958 | 10959 | NS | 1 | 0.0 | 46.025 | 6.899 | 0.0 | 47.408 | 8.692  | 0.0 | 47.264 | 6.545 | 0.0 | 43.604 | 7.645 | 0.0 | 46.728 | 7.05  | 0.0 | 47.927 | 8.41   | 0.0 | 49.461 | 6.553 | 0.0 | 40.28  | 7.318 |
| 134 | 10958 | 10959 | SN | 1 | 0.0 | 50.544 | 4.67  | 0.0 | 50.069 | 5.159  | 0.0 | 37.473 | 3.459 | 0.0 | 37.999 | 4.058 | 0.0 | 51.103 | 4.64  | 0.0 | 48.652 | 4.598  | 0.0 | 37.843 | 3.296 | 0.0 | 37.72  | 3.587 |
| 135 | 10958 | 10959 | SN | 1 | 0.0 | 51.142 | 3.568 | 0.0 | 50.98  | 4.746  | 0.0 | 46.212 | 2.897 | 0.0 | 42.744 | 4.269 | 0.0 | 51.698 | 3.568 | 0.0 | 53.682 | 4.422  | 0.0 | 46.505 | 2.614 | 0.0 | 39.052 | 3.442 |
| 136 | 10958 | 10959 | NS | 1 | 0.0 | 43.291 | 1.73  | 0.0 | 47.612 | 2.408  | 0.0 | 39.626 | 1.747 | 0.0 | 44.756 | 2.283 | 0.0 | 44.409 | 1.723 | 0.0 | 48.797 | 2.279  | 0.0 | 40.079 | 1.72  | 0.0 | 45.074 | 2.048 |
| 137 | 10959 | 10960 | NS | 1 | 0.0 | 50.862 | 2.048 | 0.0 | 61.912 | 2.714  | 0.0 | 43.576 | 1.591 | 0.0 | 45.282 | 2.433 | 0.0 | 52.524 | 2.046 | 0.0 | 59.586 | 2.476  | 0.0 | 45.642 | 1.5   | 0.0 | 41.625 | 2.061 |
| 138 | 10959 | 10960 | SN | 1 | 0.0 | 20.406 | 0.175 | 0.0 | 35.586 | 0.741  | 0.0 | 25.597 | 0.252 | 0.0 | 21.672 | 0.2   | 0.0 | 20.282 | 0.175 | 0.0 | 34.413 | 0.741  | 0.0 | 23.065 | 0.252 | 0.0 | 24.477 | 0.1   |
| 139 | 10959 | 10960 | SN | 1 | 0.0 | 16.265 | 0.0   | 0.0 | 39.059 | 0.147  | 0.0 | 26.279 | 0.097 | 0.0 | 26.704 | 0.053 | 0.0 | 15.695 | 0.0   | 0.0 | 38.717 | 0.184  | 0.0 | 23.736 | 0.065 | 0.0 | 23.49  | 0.026 |

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

|     |       |       |    |   |     |        |       |     |        |        |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 140 | 10959 | 10960 | NS | 1 | 0.0 | 51.541 | 8.694 | 0.0 | 49.634 | 10.186 | 0.0 | 48.302 | 6.063 | 0.0 | 51.077 | 8.376 | 0.0 | 53.108 | 8.654 | 0.0 | 51.062 | 9.562 | 0.0 | 46.959 | 5.835 | 0.0 | 49.713 | 7.572 |
| 141 | 10959 | 10960 | NS | 1 | 0.0 | 51.541 | 8.662 | 0.0 | 49.634 | 10.172 | 0.0 | 48.302 | 6.056 | 0.0 | 51.077 | 8.371 | 0.0 | 53.108 | 8.622 | 0.0 | 51.062 | 9.548 | 0.0 | 46.959 | 5.821 | 0.0 | 49.713 | 7.553 |
| 142 | 10959 | 10960 | SN | 1 | 0.0 | 47.985 | 3.547 | 0.0 | 47.06  | 4.374  | 0.0 | 46.945 | 2.684 | 0.0 | 45.684 | 4.007 | 0.0 | 48.432 | 3.618 | 0.0 | 47.581 | 3.99  | 0.0 | 44.076 | 2.372 | 0.0 | 45.052 | 3.222 |
| 143 | 10959 | 10960 | NS | 1 | 0.0 | 50.862 | 2.059 | 0.0 | 61.912 | 2.719  | 0.0 | 43.576 | 1.595 | 0.0 | 45.282 | 2.436 | 0.0 | 52.524 | 2.057 | 0.0 | 59.586 | 2.484 | 0.0 | 45.642 | 1.502 | 0.0 | 41.625 | 2.063 |
| 144 | 10959 | 10960 | SN | 1 | 0.0 | 46.074 | 0.837 | 0.0 | 49.137 | 1.167  | 0.0 | 45.431 | 0.652 | 0.0 | 41.41  | 1.159 | 0.0 | 43.89  | 0.824 | 0.0 | 51.459 | 1.04  | 0.0 | 42.12  | 0.579 | 0.0 | 37.549 | 0.931 |
| 145 | 10960 | 10961 | SN | 1 | 0.0 | 43.483 | 0.95  | 0.0 | 51.282 | 1.305  | 0.0 | 42.272 | 1.292 | 0.0 | 48.662 | 1.689 | 0.0 | 44.901 | 0.98  | 0.0 | 49.148 | 1.264 | 0.0 | 39.835 | 1.269 | 0.0 | 46.187 | 1.526 |
| 146 | 10960 | 10961 | NS | 1 | 0.0 | 45.531 | 1.589 | 0.0 | 49.773 | 2.011  | 0.0 | 44.227 | 1.417 | 0.0 | 49.198 | 1.837 | 0.0 | 44.688 | 1.62  | 0.0 | 50.048 | 2.011 | 0.0 | 42.081 | 1.431 | 0.0 | 45.231 | 1.78  |
| 147 | 10960 | 10961 | NS | 1 | 0.0 | 44.874 | 1.552 | 0.0 | 52.832 | 1.954  | 0.0 | 40.595 | 1.432 | 0.0 | 45.442 | 1.966 | 0.0 | 45.17  | 1.575 | 0.0 | 51.066 | 1.95  | 0.0 | 40.285 | 1.463 | 0.0 | 46.113 | 1.92  |
| 148 | 10960 | 10961 | SN | 1 | 0.0 | 44.605 | 0.95  | 0.0 | 44.676 | 1.312  | 0.0 | 41.37  | 1.292 | 0.0 | 47.378 | 1.7   | 0.0 | 46.022 | 0.994 | 0.0 | 42.998 | 1.267 | 0.0 | 38.271 | 1.269 | 0.0 | 48.074 | 1.546 |
| 149 | 10960 | 10961 | SN | 1 | 0.0 | 42.727 | 3.349 | 0.0 | 54.352 | 4.102  | 0.0 | 43.652 | 4.02  | 0.0 | 46.15  | 4.835 | 0.0 | 43.626 | 3.4   | 0.0 | 55.14  | 3.868 | 0.0 | 42.602 | 3.942 | 0.0 | 45.62  | 4.541 |
| 150 | 10960 | 10961 | SN | 1 | 0.0 | 43.245 | 3.339 | 0.0 | 43.723 | 4.072  | 0.0 | 41.037 | 4.006 | 0.0 | 51.079 | 4.778 | 0.0 | 44.139 | 3.369 | 0.0 | 45.44  | 3.838 | 0.0 | 38.97  | 3.849 | 0.0 | 48.542 | 4.519 |
| 151 | 10960 | 10961 | SN | 1 | 0.0 | 44.605 | 0.948 | 0.0 | 44.676 | 1.296  | 0.0 | 41.37  | 1.306 | 0.0 | 47.378 | 1.692 | 0.0 | 46.022 | 0.99  | 0.0 | 42.998 | 1.255 | 0.0 | 38.271 | 1.281 | 0.0 | 48.074 | 1.535 |
| 152 | 10960 | 10961 | SN | 1 | 0.0 | 43.245 | 3.366 | 0.0 | 43.723 | 4.071  | 0.0 | 41.037 | 4.043 | 0.0 | 51.079 | 4.755 | 0.0 | 44.139 | 3.397 | 0.0 | 45.44  | 3.859 | 0.0 | 38.97  | 3.916 | 0.0 | 48.542 | 4.499 |
| 153 | 10960 | 10961 | NS | 1 | 0.0 | 54.833 | 5.152 | 0.0 | 59.493 | 6.197  | 0.0 | 46.893 | 4.887 | 0.0 | 46.693 | 5.646 | 0.0 | 56.581 | 5.263 | 0.0 | 61.186 | 6.127 | 0.0 | 44.917 | 4.937 | 0.0 | 45.982 | 5.504 |
| 154 | 10960 | 10961 | NS | 1 | 0.0 | 48.226 | 5.451 | 0.0 | 52.798 | 6.208  | 0.0 | 45.814 | 4.714 | 0.0 | 45.426 | 5.733 | 0.0 | 49.071 | 5.421 | 0.0 | 53.63  | 5.856 | 0.0 | 48.11  | 4.942 | 0.0 | 43.882 | 5.612 |
| 155 | 10961 | 10962 | NS | 1 | 0.0 | 48.215 | 5.866 | 0.0 | 55.525 | 6.972  | 0.0 | 38.407 | 5.082 | 0.0 | 54.131 | 6.75  | 0.0 | 47.55  | 5.785 | 0.0 | 54.883 | 7.012 | 0.0 | 40.793 | 5.339 | 0.0 | 53.311 | 6.629 |
| 156 | 10961 | 10962 | SN | 1 | 0.0 | 39.204 | 3.949 | 0.0 | 48.542 | 5.02   | 0.0 | 40.024 | 4.469 | 0.0 | 40.739 | 6.387 | 0.0 | 39.969 | 3.959 | 0.0 | 49.33  | 4.836 | 0.0 | 39.204 | 4.512 | 0.0 | 41.159 | 5.752 |
| 157 | 10961 | 10962 | SN | 1 | 0.0 | 39.204 | 3.937 | 0.0 | 43.14  | 5.169  | 0.0 | 38.927 | 4.424 | 0.0 | 39.356 | 6.448 | 0.0 | 39.969 | 3.937 | 0.0 | 43.883 | 5.038 | 0.0 | 36.619 | 4.459 | 0.0 | 39.942 | 5.814 |
| 158 | 10961 | 10962 | SN | 1 | 0.0 | 40.42  | 1.316 | 0.0 | 43.24  | 1.849  | 0.0 | 39.984 | 1.536 | 0.0 | 39.53  | 2.14  | 0.0 | 41.812 | 1.307 | 0.0 | 40.719 | 1.659 | 0.0 | 38.568 | 1.448 | 0.0 | 37.471 | 1.806 |
| 159 | 10961 | 10962 | NS | 1 | 0.0 | 46.668 | 1.84  | 0.0 | 51.288 | 2.248  | 0.0 | 36.186 | 1.435 | 0.0 | 40.31  | 2.052 | 0.0 | 47.606 | 1.877 | 0.0 | 52.415 | 2.208 | 0.0 | 34.24  | 1.506 | 0.0 | 42.097 | 2.001 |
| 160 | 10961 | 10962 | SN | 1 | 0.0 | 40.42  | 1.327 | 0.0 | 41.965 | 1.797  | 0.0 | 39.984 | 1.553 | 0.0 | 39.53  | 2.112 | 0.0 | 41.812 | 1.315 | 0.0 | 40.756 | 1.619 | 0.0 | 38.568 | 1.464 | 0.0 | 37.471 | 1.761 |
| 161 | 10962 | 10963 | SN | 1 | 0.0 | 41.463 | 0.885 | 0.0 | 41.127 | 1.399  | 0.0 | 41.97  | 1.078 | 0.0 | 39.781 | 1.764 | 0.0 | 41.579 | 0.844 | 0.0 | 38.384 | 1.255 | 0.0 | 41.091 | 1.0   | 0.0 | 38.651 | 1.46  |
| 162 | 10962 | 10963 | SN | 1 | 0.0 | 45.65  | 3.112 | 0.0 | 45.406 | 4.627  | 0.0 | 40.046 | 3.489 | 0.0 | 40.418 | 4.859 | 0.0 | 45.636 | 3.051 | 0.0 | 44.853 | 4.308 | 0.0 | 40.691 | 3.272 | 0.0 | 39.007 | 4.277 |
| 163 | 10962 | 10963 | SN | 1 | 0.0 | 35.581 | 0.833 | 0.0 | 46.254 | 1.377  | 0.0 | 38.123 | 1.082 | 0.0 | 39.707 | 1.817 | 0.0 | 35.962 | 0.814 | 0.0 | 46.637 | 1.241 | 0.0 | 37.29  | 1.013 | 0.0 | 39.976 | 1.514 |
| 164 | 10962 | 10963 | NS | 1 | 0.0 | 53.613 | 3.729 | 0.0 | 53.237 | 4.497  | 0.0 | 45.032 | 2.944 | 0.0 | 46.135 | 3.955 | 0.0 | 53.621 | 3.759 | 0.0 | 54.978 | 4.286 | 0.0 | 42.647 | 2.972 | 0.0 | 46.178 | 3.599 |
| 165 | 10962 | 10963 | NS | 1 | 0.0 | 45.963 | 0.899 | 0.0 | 43.791 | 1.259  | 0.0 | 44.714 | 0.862 | 0.0 | 42.405 | 1.156 | 0.0 | 46.471 | 0.924 | 0.0 | 46.255 | 1.184 | 0.0 | 43.794 | 0.83  | 0.0 | 38.562 | 1.029 |
| 166 | 10962 | 10963 | SN | 1 | 0.0 | 48.22  | 3.226 | 0.0 | 45.406 | 4.584  | 0.0 | 40.046 | 3.349 | 0.0 | 41.081 | 4.887 | 0.0 | 47.171 | 3.296 | 0.0 | 44.752 | 4.271 | 0.0 | 40.691 | 3.179 | 0.0 | 42.183 | 4.289 |
| 167 | 10963 | 10964 | NS | 1 | 0.0 | 45.666 | 3.528 | 0.0 | 50.165 | 4.227  | 0.0 | 39.541 | 2.579 | 0.0 | 48.761 | 4.028 | 0.0 | 45.215 | 3.528 | 0.0 | 51.229 | 3.956 | 0.0 | 38.986 | 2.501 | 0.0 | 48.545 | 3.523 |
| 168 | 10963 | 10964 | SN | 1 | 0.0 | 47.849 | 5.973 | 0.0 | 56.178 | 8.0    | 0.0 | 47.284 | 5.377 | 0.0 | 42.826 | 7.344 | 0.0 | 48.013 | 5.994 | 0.0 | 56.835 | 7.478 | 0.0 | 47.854 | 5.289 | 0.0 | 44.013 | 6.761 |
| 169 | 10963 | 10964 | SN | 1 | 0.0 | 41.186 | 1.634 | 0.0 | 47.442 | 2.427  | 0.0 | 41.405 | 1.653 | 0.0 | 46.365 | 2.587 | 0.0 | 41.405 | 1.602 | 0.0 | 48.784 | 2.289 | 0.0 | 40.583 | 1.675 | 0.0 | 41.047 | 2.306 |
| 170 | 10963 | 10964 | NS | 1 | 0.0 | 42.116 | 0.853 | 0.0 | 56.78  | 1.212  | 0.0 | 42.283 | 0.734 | 0.0 | 51.234 | 1.311 | 0.0 | 42.667 | 0.876 | 0.0 | 58.911 | 1.124 | 0.0 | 42.94  | 0.688 | 0.0 | 48.616 | 1.079 |

|                          |            |      |        |        |            |
|--------------------------|------------|------|--------|--------|------------|
| 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     | 10944       | 10945     | SN   | 1    | 0.0           | 32.792  | 12.312     | 0.0        | 24.586 | 12.648     | 0.0       | 142.386 | 10.907     | 0.0        | 69.252  | 12.983     | 0.0             | 1.416 | 0.0        | 1.798      | 0.0 | 0.0        | 1.836     | 0.0 | 0.0        | 2.151      | 0.0 |            |
| 2     | 10944       | 10945     | NS   | 1    | 0.0           | 45.766  | 9.617      | 0.0        | 36.454 | 13.979     | 0.0       | 356.774 | 9.505      | 0.0        | 33.482  | 11.583     | 0.0             | 1.417 | 0.0        | 1.8        | 0.0 | 0.0        | 1.857     | 0.0 | 0.0        | 2.16       | 0.0 |            |
| 3     | 10944       | 10945     | NS   | 1    | 0.0           | 206.242 | 9.602      | 0.0        | 32.754 | 13.974     | 0.0       | 354.502 | 9.548      | 0.0        | 37.215  | 11.543     | 0.0             | 1.42  | 0.0        | 1.804      | 0.0 | 0.0        | 1.867     | 0.0 | 0.0        | 2.161      | 0.0 |            |
| 4     | 10944       | 10945     | SN   | 1    | 0.0           | 32.368  | 12.329     | 0.0        | 24.536 | 12.086     | 0.0       | 142.353 | 11.057     | 0.0        | 15.839  | 12.241     | 0.0             | 1.417 | 0.0        | 1.796      | 0.0 | 0.0        | 1.835     | 0.0 | 0.0        | 2.151      | 0.0 |            |
| 5     | 10944       | 10945     | NS   | 1    | 0.0           | 97.359  | 5.344      | 0.0        | 24.476 | 6.875      | 0.0       | 354.281 | 2.331      | 0.0        | 43.193  | 2.946      | 0.0             | 1.432 | 0.0        | 1.801      | 0.0 | 0.0        | 1.878     | 0.0 | 0.0        | 2.161      | 0.0 |            |
| 6     | 10944       | 10945     | NS   | 1    | 0.0           | 158.826 | 5.352      | 0.0        | 24.476 | 6.88       | 0.0       | 355.908 | 2.336      | 0.0        | 21.371  | 2.936      | 0.0             | 1.438 | 0.0        | 1.8        | 0.0 | 0.0        | 1.874     | 0.0 | 0.0        | 2.16       | 0.0 |            |
| 7     | 10944       | 10945     | SN   | 1    | 0.0           | 23.328  | 6.622      | 0.0        | 25.446 | 8.077      | 0.0       | 143.87  | 3.34       | 0.0        | 55.277  | 4.519      | 0.0             | 1.411 | 0.0        | 1.791      | 0.0 | 0.0        | 1.85      | 0.0 | 0.0        | 2.147      | 0.0 |            |
| 8     | 10944       | 10945     | SN   | 1    | 0.0           | 23.334  | 6.609      | 0.0        | 25.452 | 7.94       | 0.0       | 143.804 | 3.36       | 0.0        | 15.536  | 4.3        | 0.0             | 1.412 | 0.0        | 1.791      | 0.0 | 0.0        | 1.85      | 0.0 | 0.0        | 2.147      | 0.0 |            |
| 9     | 10944       | 10945     | SN   | 1    | 0.0           | 32.368  | 12.282     | 0.0        | 24.58  | 12.648     | 0.0       | 142.353 | 10.9       | 0.0        | 66.726  | 13.018     | 0.0             | 1.417 | 0.0        | 1.796      | 0.0 | 0.0        | 1.835     | 0.0 | 0.0        | 2.151      | 0.0 |            |
| 10    | 10944       | 10945     | SN   | 1    | 0.0           | 23.334  | 6.634      | 0.0        | 25.452 | 8.097      | 0.0       | 143.804 | 3.348      | 0.0        | 55.277  | 4.507      | 0.0             | 1.412 | 0.0        | 1.791      | 0.0 | 0.0        | 1.85      | 0.0 | 0.0        | 2.147      | 0.0 |            |
| 11    | 10945       | 10946     | SN   | 1    | 0.0           | 23.334  | 6.63       | 0.0        | 46.401 | 8.095      | 0.0       | 140.285 | 3.19       | 0.0        | 53.314  | 4.381      | 0.0             | 1.413 | 0.0        | 1.791      | 0.0 | 0.0        | 1.85      | 0.0 | 0.0        | 2.148      | 0.0 |            |
| 12    | 10945       | 10946     | SN   | 1    | 0.0           | 32.169  | 12.353     | 0.0        | 30.379 | 12.648     | 0.0       | 140.439 | 10.873     | 0.0        | 64.663  | 12.876     | 0.0             | 1.419 | 0.0        | 1.797      | 0.0 | 0.0        | 1.836     | 0.0 | 0.0        | 2.148      | 0.0 |            |
| 13    | 10945       | 10946     | SN   | 1    | 0.0           | 32.169  | 12.343     | 0.0        | 30.379 | 12.648     | 0.0       | 140.439 | 10.866     | 0.0        | 64.663  | 12.876     | 0.0             | 1.419 | 0.0        | 1.797      | 0.0 | 0.0        | 1.836     | 0.0 | 0.0        | 2.148      | 0.0 |            |
| 14    | 10945       | 10946     | NS   | 1    | 0.0           | 268.484 | 9.576      | 0.0        | 36.537 | 13.979     | 0.0       | 356.884 | 9.526      | 0.0        | 33.062  | 11.577     | 0.0             | 1.417 | 0.0        | 1.8        | 0.0 | 0.0        | 1.858     | 0.0 | 0.0        | 2.157      | 0.0 |            |
| 15    | 10945       | 10946     | SN   | 1    | 0.0           | 23.334  | 6.617      | 0.0        | 46.401 | 8.062      | 0.0       | 140.285 | 3.197      | 0.0        | 15.596  | 4.283      | 0.0             | 1.413 | 0.0        | 1.791      | 0.0 | 0.0        | 1.85      | 0.0 | 0.0        | 2.148      | 0.0 |            |
| 16    | 10945       | 10946     | NS   | 1    | 0.0           | 268.484 | 9.576      | 0.0        | 36.537 | 13.979     | 0.0       | 356.884 | 9.526      | 0.0        | 33.062  | 11.577     | 0.0             | 1.417 | 0.0        | 1.8        | 0.0 | 0.0        | 1.858     | 0.0 | 0.0        | 2.157      | 0.0 |            |
| 17    | 10945       | 10946     | SN   | 1    | 0.0           | 32.169  | 12.367     | 0.0        | 30.379 | 12.491     | 0.0       | 140.439 | 10.921     | 0.0        | 25.441  | 12.657     | 0.0             | 1.419 | 0.0        | 1.797      | 0.0 | 0.0        | 1.836     | 0.0 | 0.0        | 2.148      | 0.0 |            |
| 18    | 10945       | 10946     | NS   | 1    | 0.0           | 141.46  | 5.332      | 0.0        | 25.761 | 6.847      | 0.0       | 138.165 | 2.324      | 0.0        | 21.691  | 2.938      | 0.0             | 1.441 | 0.0        | 1.8        | 0.0 | 0.0        | 1.872     | 0.0 | 0.0        | 2.159      | 0.0 |            |
| 19    | 10945       | 10946     | SN   | 1    | 0.0           | 23.334  | 6.63       | 0.0        | 46.401 | 8.095      | 0.0       | 140.285 | 3.192      | 0.0        | 53.314  | 4.381      | 0.0             | 1.413 | 0.0        | 1.791      | 0.0 | 0.0        | 1.85      | 0.0 | 0.0        | 2.148      | 0.0 |            |
| 20    | 10945       | 10946     | NS   | 1    | 0.0           | 141.46  | 5.332      | 0.0        | 25.761 | 6.847      | 0.0       | 138.165 | 2.324      | 0.0        | 21.691  | 2.936      | 0.0             | 1.441 | 0.0        | 1.8        | 0.0 | 0.0        | 1.872     | 0.0 | 0.0        | 2.159      | 0.0 |            |
| 21    | 10946       | 10947     | NS   | 1    | 0.0           | 148.831 | 9.628      | 0.0        | 32.676 | 13.971     | 0.0       | 134.238 | 9.453      | 0.0        | 34.64   | 11.459     | 0.0             | 1.407 | 0.0        | 1.804      | 0.0 | 0.0        | 1.864     | 0.0 | 0.0        | 2.156      | 0.0 |            |
| 22    | 10946       | 10947     | NS   | 1    | 0.0           | 78.895  | 5.324      | 0.0        | 25.772 | 6.792      | 0.0       | 256.952 | 2.32       | 0.0        | 24.128  | 2.951      | 0.0             | 1.439 | 0.0        | 1.799      | 0.0 | 0.0        | 1.87      | 0.0 | 0.0        | 2.16       | 0.0 |            |
| 23    | 10946       | 10947     | SN   | 1    | 0.0           | 32.197  | 12.308     | 0.0        | 24.608 | 12.505     | 0.0       | 138.961 | 10.948     | 0.0        | 114.588 | 13.133     | 0.0             | 1.418 | 0.0        | 1.797      | 0.0 | 0.0        | 1.842     | 0.0 | 0.0        | 2.152      | 0.0 |            |
| 24    | 10946       | 10947     | NS   | 1    | 0.0           | 148.831 | 9.628      | 0.0        | 32.676 | 13.961     | 0.0       | 134.255 | 9.467      | 0.0        | 34.64   | 11.459     | 0.0             | 1.407 | 0.0        | 1.804      | 0.0 | 0.0        | 1.864     | 0.0 | 0.0        | 2.156      | 0.0 |            |
| 25    | 10946       | 10947     | SN   | 1    | 0.0           | 23.345  | 6.648      | 0.0        | 25.446 | 8.096      | 0.0       | 130.0   | 3.408      | 0.0        | 43.728  | 4.442      | 0.0             | 1.413 | 0.0        | 1.792      | 0.0 | 0.0        | 1.849     | 0.0 | 0.0        | 2.148      | 0.0 |            |
| 26    | 10946       | 10947     | SN   | 1    | 0.0           | 23.345  | 6.648      | 0.0        | 25.446 | 8.096      | 0.0       | 130.0   | 3.408      | 0.0        | 43.728  | 4.437      | 0.0             | 1.413 | 0.0        | 1.792      | 0.0 | 0.0        | 1.849     | 0.0 | 0.0        | 2.148      | 0.0 |            |
| 27    | 10946       | 10947     | NS   | 1    | 0.0           | 78.895  | 5.331      | 0.0        | 25.772 | 6.785      | 0.0       | 256.952 | 2.32       | 0.0        | 24.128  | 2.951      | 0.0             | 1.439 | 0.0        | 1.799      | 0.0 | 0.0        | 1.87      | 0.0 | 0.0        | 2.16       | 0.0 |            |
| 28    | 10946       | 10947     | SN   | 1    | 0.0           | 23.345  | 6.658      | 0.0        | 25.446 | 8.136      | 0.0       | 130.0   | 3.405      | 0.0        | 60.687  | 4.528      | 0.0             | 1.413 | 0.0        | 1.792      | 0.0 | 0.0        | 1.849     | 0.0 | 0.0        | 2.148      | 0.0 |            |
| 29    | 10946       | 10947     | SN   | 1    | 0.0           | 32.197  | 12.354     | 0.0        | 24.608 | 12.347     | 0.0       | 138.961 | 11.001     | 0.0        | 114.588 | 12.894     | 0.0             | 1.418 | 0.0        | 1.797      | 0.0 | 0.0        | 1.842     | 0.0 | 0.0        | 2.152      | 0.0 |            |
| 30    | 10946       | 10947     | SN   | 1    | 0.0           | 32.197  | 12.354     | 0.0        | 24.608 | 12.347     | 0.0       | 138.961 | 11.001     | 0.0        | 114.588 | 12.894     | 0.0             | 1.418 | 0.0        | 1.797      | 0.0 | 0.0        | 1.842     | 0.0 | 0.0        | 2.152      | 0.0 |            |
| 31    | 10947       | 10948     | SN   | 1    | 0.0           | 32.252  | 12.259     | 0.0        | 30.209 | 12.525     | 0.0       | 168.969 | 10.955     | 0.0        | 67.807  | 13.09      | 0.0             | 1.42  | 0.0        | 1.798      | 0.0 | 0.0        | 1.839     | 0.0 | 0.0        | 2.152      | 0.0 |            |

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

|    |       |       |    |   |     |         |        |     |         |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 32 | 10947 | 10948 | SN | 1 | 0.0 | 23.323  | 6.636  | 0.0 | 231.481 | 8.093  | 0.0 | 166.013 | 3.459  | 0.0 | 15.547  | 4.42   | 0.0 | 1.416 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.149 | 0.0 |
| 33 | 10947 | 10948 | SN | 1 | 0.0 | 32.252  | 12.296 | 0.0 | 30.209  | 12.226 | 0.0 | 168.969 | 11.046 | 0.0 | 21.393  | 12.72  | 0.0 | 1.42  | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.152 | 0.0 |
| 34 | 10947 | 10948 | SN | 1 | 0.0 | 23.323  | 6.647  | 0.0 | 231.481 | 8.156  | 0.0 | 166.013 | 3.459  | 0.0 | 53.396  | 4.54   | 0.0 | 1.416 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.149 | 0.0 |
| 35 | 10947 | 10948 | SN | 1 | 0.0 | 23.323  | 6.647  | 0.0 | 231.481 | 8.156  | 0.0 | 166.013 | 3.462  | 0.0 | 53.396  | 4.537  | 0.0 | 1.416 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.149 | 0.0 |
| 36 | 10947 | 10948 | NS | 1 | 0.0 | 23.207  | 9.578  | 0.0 | 32.698  | 13.931 | 0.0 | 354.965 | 9.503  | 0.0 | 34.96   | 11.457 | 0.0 | 1.418 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 1.864 | 0.0 | 0.0 | 2.154 | 0.0 |
| 37 | 10947 | 10948 | NS | 1 | 0.0 | 25.612  | 5.322  | 0.0 | 25.755  | 6.776  | 0.0 | 263.653 | 2.318  | 0.0 | 38.197  | 2.979  | 0.0 | 1.423 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.16  | 0.0 |
| 38 | 10947 | 10948 | SN | 1 | 0.0 | 32.252  | 12.259 | 0.0 | 30.209  | 12.525 | 0.0 | 168.969 | 10.955 | 0.0 | 67.807  | 13.09  | 0.0 | 1.42  | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.152 | 0.0 |
| 39 | 10948 | 10949 | NS | 1 | 0.0 | 253.715 | 9.628  | 0.0 | 33.09   | 13.981 | 0.0 | 355.218 | 9.424  | 0.0 | 35.307  | 11.486 | 0.0 | 1.409 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 1.864 | 0.0 | 0.0 | 2.157 | 0.0 |
| 40 | 10948 | 10949 | SN | 1 | 0.0 | 23.328  | 6.672  | 0.0 | 234.128 | 8.181  | 0.0 | 170.298 | 3.496  | 0.0 | 101.242 | 4.538  | 0.0 | 1.409 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.149 | 0.0 |
| 41 | 10948 | 10949 | SN | 1 | 0.0 | 32.412  | 12.301 | 0.0 | 24.58   | 12.126 | 0.0 | 180.385 | 11.128 | 0.0 | 220.36  | 12.561 | 0.0 | 1.418 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.152 | 0.0 |
| 42 | 10948 | 10949 | SN | 1 | 0.0 | 23.328  | 6.659  | 0.0 | 234.128 | 8.066  | 0.0 | 170.298 | 3.5    | 0.0 | 101.242 | 4.37   | 0.0 | 1.409 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.149 | 0.0 |
| 43 | 10948 | 10949 | NS | 1 | 0.0 | 253.715 | 9.725  | 0.0 | 32.693  | 13.944 | 0.0 | 353.796 | 9.498  | 0.0 | 35.566  | 11.437 | 0.0 | 1.417 | 0.0 | 0.0 | 1.8   | 0.0 | 0.0 | 1.867 | 0.0 | 0.0 | 2.157 | 0.0 |
| 44 | 10948 | 10949 | SN | 1 | 0.0 | 23.328  | 6.674  | 0.0 | 234.134 | 8.183  | 0.0 | 170.276 | 3.512  | 0.0 | 101.231 | 4.52   | 0.0 | 1.408 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.149 | 0.0 |
| 45 | 10948 | 10949 | SN | 1 | 0.0 | 32.412  | 12.248 | 0.0 | 24.602  | 12.547 | 0.0 | 180.385 | 11.017 | 0.0 | 220.36  | 13.111 | 0.0 | 1.418 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.152 | 0.0 |
| 46 | 10948 | 10949 | SN | 1 | 0.0 | 32.412  | 12.258 | 0.0 | 24.608  | 12.545 | 0.0 | 180.374 | 11.017 | 0.0 | 220.366 | 13.118 | 0.0 | 1.417 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.152 | 0.0 |
| 47 | 10948 | 10949 | NS | 1 | 0.0 | 253.715 | 5.318  | 0.0 | 25.755  | 6.72   | 0.0 | 214.481 | 2.3    | 0.0 | 49.971  | 2.981  | 0.0 | 1.437 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.87  | 0.0 | 0.0 | 2.157 | 0.0 |
| 48 | 10948 | 10949 | NS | 1 | 0.0 | 264.328 | 5.329  | 0.0 | 25.755  | 6.738  | 0.0 | 264.579 | 2.318  | 0.0 | 39.338  | 2.994  | 0.0 | 1.434 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.87  | 0.0 | 0.0 | 2.159 | 0.0 |
| 49 | 10949 | 10950 | NS | 1 | 0.0 | 23.516  | 9.576  | 0.0 | 35.39   | 13.949 | 0.0 | 334.725 | 9.469  | 0.0 | 31.849  | 11.5   | 0.0 | 1.406 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.16  | 0.0 |
| 50 | 10949 | 10950 | NS | 1 | 0.0 | 23.191  | 9.647  | 0.0 | 32.698  | 13.885 | 0.0 | 325.211 | 9.515  | 0.0 | 36.427  | 11.415 | 0.0 | 1.419 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.867 | 0.0 | 0.0 | 2.157 | 0.0 |
| 51 | 10949 | 10950 | SN | 1 | 0.0 | 23.339  | 6.678  | 0.0 | 68.097  | 8.166  | 0.0 | 181.598 | 3.473  | 0.0 | 69.18   | 4.57   | 0.0 | 1.411 | 0.0 | 0.0 | 1.793 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.149 | 0.0 |
| 52 | 10949 | 10950 | SN | 1 | 0.0 | 32.301  | 12.31  | 0.0 | 265.523 | 12.109 | 0.0 | 139.237 | 11.137 | 0.0 | 17.438  | 12.406 | 0.0 | 1.42  | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.151 | 0.0 |
| 53 | 10949 | 10950 | SN | 1 | 0.0 | 23.339  | 6.678  | 0.0 | 68.097  | 8.166  | 0.0 | 181.598 | 3.473  | 0.0 | 69.18   | 4.57   | 0.0 | 1.411 | 0.0 | 0.0 | 1.793 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.149 | 0.0 |
| 54 | 10949 | 10950 | SN | 1 | 0.0 | 23.339  | 6.656  | 0.0 | 68.097  | 8.02   | 0.0 | 181.598 | 3.49   | 0.0 | 15.552  | 4.356  | 0.0 | 1.411 | 0.0 | 0.0 | 1.793 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.149 | 0.0 |
| 55 | 10949 | 10950 | SN | 1 | 0.0 | 32.301  | 12.283 | 0.0 | 265.523 | 12.59  | 0.0 | 139.237 | 11.007 | 0.0 | 63.081  | 13.108 | 0.0 | 1.42  | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.151 | 0.0 |
| 56 | 10949 | 10950 | NS | 1 | 0.0 | 25.617  | 5.317  | 0.0 | 25.761  | 6.699  | 0.0 | 330.964 | 2.294  | 0.0 | 37.805  | 2.994  | 0.0 | 1.426 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.158 | 0.0 |
| 57 | 10949 | 10950 | NS | 1 | 0.0 | 25.606  | 5.325  | 0.0 | 25.772  | 6.698  | 0.0 | 328.741 | 2.286  | 0.0 | 61.101  | 2.995  | 0.0 | 1.437 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.87  | 0.0 | 0.0 | 2.158 | 0.0 |
| 58 | 10949 | 10950 | SN | 1 | 0.0 | 32.301  | 12.283 | 0.0 | 265.523 | 12.59  | 0.0 | 139.237 | 11.007 | 0.0 | 63.081  | 13.108 | 0.0 | 1.42  | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.151 | 0.0 |
| 59 | 10950 | 10951 | SN | 1 | 0.0 | 23.334  | 6.575  | 0.0 | 25.463  | 8.162  | 0.0 | 147.675 | 3.507  | 0.0 | 68.474  | 4.528  | 0.0 | 1.419 | 0.0 | 0.0 | 1.8   | 0.0 | 0.0 | 1.886 | 0.0 | 0.0 | 2.167 | 0.0 |
| 60 | 10950 | 10951 | SN | 1 | 0.0 | 32.202  | 12.274 | 0.0 | 24.448  | 11.929 | 0.0 | 145.215 | 11.114 | 0.0 | 16.981  | 12.193 | 0.0 | 1.42  | 0.0 | 0.0 | 1.804 | 0.0 | 0.0 | 1.883 | 0.0 | 0.0 | 2.189 | 0.0 |
| 61 | 10950 | 10951 | NS | 1 | 0.0 | 40.229  | 9.667  | 0.0 | 32.704  | 13.875 | 0.0 | 354.281 | 9.551  | 0.0 | 37.386  | 11.438 | 0.0 | 1.419 | 0.0 | 0.0 | 1.8   | 0.0 | 0.0 | 1.867 | 0.0 | 0.0 | 2.157 | 0.0 |
| 62 | 10950 | 10951 | NS | 1 | 0.0 | 45.138  | 9.577  | 0.0 | 35.919  | 13.929 | 0.0 | 356.796 | 9.511  | 0.0 | 32.064  | 11.508 | 0.0 | 1.409 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.159 | 0.0 |
| 63 | 10950 | 10951 | SN | 1 | 0.0 | 32.202  | 12.219 | 0.0 | 24.619  | 12.58  | 0.0 | 145.215 | 10.953 | 0.0 | 72.98   | 13.138 | 0.0 | 1.42  | 0.0 | 0.0 | 1.804 | 0.0 | 0.0 | 1.883 | 0.0 | 0.0 | 2.189 | 0.0 |
| 64 | 10950 | 10951 | SN | 1 | 0.0 | 32.208  | 12.189 | 0.0 | 24.619  | 12.549 | 0.0 | 145.309 | 10.967 | 0.0 | 72.98   | 13.138 | 0.0 | 1.419 | 0.0 | 0.0 | 1.804 | 0.0 | 0.0 | 1.883 | 0.0 | 0.0 | 2.183 | 0.0 |
| 65 | 10950 | 10951 | SN | 1 | 0.0 | 23.334  | 6.54   | 0.0 | 25.463  | 7.974  | 0.0 | 147.675 | 3.551  | 0.0 | 16.799  | 4.281  | 0.0 | 1.419 | 0.0 | 0.0 | 1.8   | 0.0 | 0.0 | 1.886 | 0.0 | 0.0 | 2.167 | 0.0 |
| 66 | 10950 | 10951 | SN | 1 | 0.0 | 23.328  | 6.582  | 0.0 | 25.463  | 8.151  | 0.0 | 147.785 | 3.51   | 0.0 | 68.474  | 4.529  | 0.0 | 1.41  | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.881 | 0.0 | 0.0 | 2.167 | 0.0 |
| 67 | 10950 | 10951 | NS | 1 | 0.0 | 95.867  | 5.315  | 0.0 | 24.476  | 6.731  | 0.0 | 310.784 | 2.289  | 0.0 | 31.584  | 2.996  | 0.0 | 1.437 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.87  | 0.0 | 0.0 | 2.158 | 0.0 |
| 68 | 10950 | 10951 | NS | 1 | 0.0 | 203.528 | 5.322  | 0.0 | 24.476  | 6.723  | 0.0 | 304.21  | 2.295  | 0.0 | 70.096  | 3.009  | 0.0 | 1.441 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.158 | 0.0 |

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



|     |       |       |    |   |     |         |        |     |        |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|-----|-------|-------|----|---|-----|---------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 69  | 10951 | 10952 | NS | 1 | 0.0 | 81.912  | 9.646  | 0.0 | 36.041 | 13.959 | 0.0 | 356.923 | 9.469  | 0.0 | 32.908  | 11.522 | 0.0 | 1.415 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.159 | 0.0 |
| 70  | 10951 | 10952 | NS | 1 | 0.0 | 81.912  | 9.646  | 0.0 | 36.041 | 13.959 | 0.0 | 356.923 | 9.469  | 0.0 | 32.908  | 11.522 | 0.0 | 1.415 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.159 | 0.0 |
| 71  | 10951 | 10952 | NS | 1 | 0.0 | 106.23  | 5.334  | 0.0 | 24.476 | 6.758  | 0.0 | 356.151 | 2.286  | 0.0 | 21.619  | 2.984  | 0.0 | 1.442 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.159 | 0.0 |
| 72  | 10951 | 10952 | SN | 1 | 0.0 | 31.987  | 12.263 | 0.0 | 24.63  | 12.6   | 0.0 | 141.868 | 10.816 | 0.0 | 64.768  | 12.975 | 0.0 | 1.419 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 1.927 | 0.0 | 0.0 | 2.202 | 0.0 |
| 73  | 10951 | 10952 | NS | 1 | 0.0 | 106.23  | 5.334  | 0.0 | 24.476 | 6.758  | 0.0 | 356.151 | 2.286  | 0.0 | 21.619  | 2.984  | 0.0 | 1.442 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.159 | 0.0 |
| 74  | 10951 | 10952 | SN | 1 | 0.0 | 31.987  | 12.284 | 0.0 | 24.409 | 11.897 | 0.0 | 141.868 | 10.975 | 0.0 | 17.003  | 11.991 | 0.0 | 1.419 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 1.927 | 0.0 | 0.0 | 2.202 | 0.0 |
| 75  | 10951 | 10952 | SN | 1 | 0.0 | 23.345  | 6.533  | 0.0 | 25.441 | 7.943  | 0.0 | 139.552 | 3.501  | 0.0 | 16.804  | 4.278  | 0.0 | 1.43  | 0.0 | 0.0 | 1.808 | 0.0 | 0.0 | 1.94  | 0.0 | 0.0 | 2.205 | 0.0 |
| 76  | 10951 | 10952 | SN | 1 | 0.0 | 31.987  | 12.273 | 0.0 | 24.602 | 12.59  | 0.0 | 141.868 | 10.816 | 0.0 | 64.746  | 12.975 | 0.0 | 1.419 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 1.927 | 0.0 | 0.0 | 2.202 | 0.0 |
| 77  | 10951 | 10952 | SN | 1 | 0.0 | 23.345  | 6.576  | 0.0 | 25.441 | 8.138  | 0.0 | 139.552 | 3.476  | 0.0 | 53.633  | 4.492  | 0.0 | 1.43  | 0.0 | 0.0 | 1.808 | 0.0 | 0.0 | 1.94  | 0.0 | 0.0 | 2.205 | 0.0 |
| 78  | 10951 | 10952 | SN | 1 | 0.0 | 23.345  | 6.576  | 0.0 | 25.441 | 8.14   | 0.0 | 139.552 | 3.475  | 0.0 | 53.661  | 4.494  | 0.0 | 1.43  | 0.0 | 0.0 | 1.808 | 0.0 | 0.0 | 1.94  | 0.0 | 0.0 | 2.205 | 0.0 |
| 79  | 10952 | 10953 | NS | 1 | 0.0 | 269.912 | 9.649  | 0.0 | 32.643 | 13.954 | 0.0 | 356.923 | 9.489  | 0.0 | 34.568  | 11.5   | 0.0 | 1.41  | 0.0 | 0.0 | 1.804 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.157 | 0.0 |
| 80  | 10952 | 10953 | NS | 1 | 0.0 | 78.47   | 5.324  | 0.0 | 25.755 | 6.711  | 0.0 | 356.388 | 2.306  | 0.0 | 20.218  | 2.995  | 0.0 | 1.438 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.159 | 0.0 |
| 81  | 10952 | 10953 | SN | 1 | 0.0 | 23.328  | 6.547  | 0.0 | 25.441 | 8.121  | 0.0 | 158.567 | 3.36   | 0.0 | 204.924 | 4.451  | 0.0 | 1.487 | 0.0 | 0.0 | 1.84  | 0.0 | 0.0 | 2.001 | 0.0 | 0.0 | 2.262 | 0.0 |
| 82  | 10952 | 10953 | NS | 1 | 0.0 | 122.028 | 5.324  | 0.0 | 25.755 | 6.708  | 0.0 | 319.536 | 2.304  | 0.0 | 20.218  | 2.994  | 0.0 | 1.434 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.158 | 0.0 |
| 83  | 10952 | 10953 | NS | 1 | 0.0 | 149.945 | 9.669  | 0.0 | 32.649 | 13.934 | 0.0 | 356.917 | 9.489  | 0.0 | 34.563  | 11.486 | 0.0 | 1.406 | 0.0 | 0.0 | 1.804 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.157 | 0.0 |
| 84  | 10952 | 10953 | SN | 1 | 0.0 | 32.395  | 12.283 | 0.0 | 25.849 | 12.6   | 0.0 | 137.875 | 10.788 | 0.0 | 191.87  | 13.09  | 0.0 | 1.42  | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 1.99  | 0.0 | 0.0 | 2.266 | 0.0 |
| 85  | 10953 | 10954 | NS | 1 | 0.0 | 210.047 | 9.696  | 0.0 | 32.654 | 13.836 | 0.0 | 353.514 | 9.52   | 0.0 | 35.202  | 11.46  | 0.0 | 1.422 | 0.0 | 0.0 | 1.801 | 0.0 | 0.0 | 1.858 | 0.0 | 0.0 | 2.157 | 0.0 |
| 86  | 10953 | 10954 | SN | 1 | 0.0 | 23.328  | 6.57   | 0.0 | 25.468 | 8.147  | 0.0 | 155.347 | 3.528  | 0.0 | 110.242 | 4.737  | 0.0 | 1.512 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.009 | 0.0 | 0.0 | 2.301 | 0.0 |
| 87  | 10953 | 10954 | NS | 1 | 0.0 | 204.659 | 5.359  | 0.0 | 25.755 | 6.677  | 0.0 | 355.941 | 2.271  | 0.0 | 39.736  | 2.996  | 0.0 | 1.434 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.157 | 0.0 |
| 88  | 10953 | 10954 | SN | 1 | 0.0 | 32.379  | 12.294 | 0.0 | 25.137 | 12.607 | 0.0 | 147.124 | 11.128 | 0.0 | 215.877 | 13.142 | 0.0 | 1.429 | 0.0 | 0.0 | 1.859 | 0.0 | 0.0 | 1.992 | 0.0 | 0.0 | 2.313 | 0.0 |
| 89  | 10954 | 10955 | SN | 1 | 0.0 | 23.339  | 6.568  | 0.0 | 25.468 | 8.12   | 0.0 | 143.82  | 3.462  | 0.0 | 120.428 | 4.702  | 0.0 | 1.511 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.024 | 0.0 | 0.0 | 2.334 | 0.0 |
| 90  | 10954 | 10955 | SN | 1 | 0.0 | 27.327  | 11.394 | 0.0 | 24.613 | 12.234 | 0.0 | 17.637  | 10.479 | 0.0 | 46.414  | 13.261 | 0.0 | 1.435 | 0.0 | 0.0 | 1.881 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.32  | 0.0 |
| 91  | 10954 | 10955 | SN | 1 | 0.0 | 23.345  | 6.446  | 0.0 | 25.468 | 8.122  | 0.0 | 15.365  | 3.09   | 0.0 | 86.373  | 4.593  | 0.0 | 1.513 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.022 | 0.0 | 0.0 | 2.322 | 0.0 |
| 92  | 10954 | 10955 | NS | 1 | 0.0 | 218.069 | 9.766  | 0.0 | 32.66  | 13.846 | 0.0 | 353.774 | 9.506  | 0.0 | 35.803  | 11.404 | 0.0 | 1.422 | 0.0 | 0.0 | 1.801 | 0.0 | 0.0 | 1.86  | 0.0 | 0.0 | 2.156 | 0.0 |
| 93  | 10954 | 10955 | SN | 1 | 0.0 | 32.401  | 12.204 | 0.0 | 24.613 | 12.587 | 0.0 | 144.394 | 11.192 | 0.0 | 61.239  | 13.043 | 0.0 | 1.432 | 0.0 | 0.0 | 1.881 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.333 | 0.0 |
| 94  | 10954 | 10955 | NS | 1 | 0.0 | 219.886 | 5.339  | 0.0 | 25.772 | 6.668  | 0.0 | 356.52  | 2.28   | 0.0 | 40.971  | 2.97   | 0.0 | 1.433 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.157 | 0.0 |
| 95  | 10955 | 10956 | NS | 1 | 0.0 | 217.796 | 4.014  | 0.0 | 24.454 | 5.055  | 0.0 | 119.902 | 1.355  | 0.0 | 30.399  | 2.032  | 0.0 | 1.425 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.157 | 0.0 |
| 96  | 10955 | 10956 | NS | 1 | 0.0 | 58.942  | 9.555  | 0.0 | 32.693 | 13.833 | 0.0 | 131.227 | 9.572  | 0.0 | 35.55   | 11.929 | 0.0 | 1.426 | 0.0 | 0.0 | 1.81  | 0.0 | 0.0 | 1.857 | 0.0 | 0.0 | 2.164 | 0.0 |
| 97  | 10955 | 10956 | SN | 1 | 0.0 | 23.323  | 6.616  | 0.0 | 25.468 | 8.18   | 0.0 | 146.875 | 3.486  | 0.0 | 64.724  | 4.666  | 0.0 | 1.529 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.358 | 0.0 |
| 98  | 10955 | 10956 | SN | 1 | 0.0 | 32.224  | 12.273 | 0.0 | 24.619 | 12.569 | 0.0 | 140.075 | 11.139 | 0.0 | 62.722  | 12.884 | 0.0 | 1.462 | 0.0 | 0.0 | 1.91  | 0.0 | 0.0 | 2.037 | 0.0 | 0.0 | 2.369 | 0.0 |
| 99  | 10955 | 10956 | NS | 1 | 0.0 | 58.942  | 7.907  | 0.0 | 32.676 | 12.532 | 0.0 | 131.227 | 6.441  | 0.0 | 35.55   | 8.616  | 0.0 | 1.392 | 0.0 | 0.0 | 1.801 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.157 | 0.0 |
| 100 | 10955 | 10956 | SN | 1 | 0.0 | 23.323  | 6.616  | 0.0 | 25.468 | 8.18   | 0.0 | 146.875 | 3.486  | 0.0 | 64.724  | 4.666  | 0.0 | 1.529 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.358 | 0.0 |
| 101 | 10955 | 10956 | NS | 1 | 0.0 | 217.796 | 5.176  | 0.0 | 25.772 | 6.446  | 0.0 | 308.308 | 2.165  | 0.0 | 30.399  | 3.096  | 0.0 | 1.45  | 0.0 | 0.0 | 1.81  | 0.0 | 0.0 | 1.876 | 0.0 | 0.0 | 2.167 | 0.0 |
| 102 | 10955 | 10956 | SN | 1 | 0.0 | 32.224  | 12.273 | 0.0 | 24.619 | 12.569 | 0.0 | 140.075 | 11.139 | 0.0 | 62.722  | 12.884 | 0.0 | 1.462 | 0.0 | 0.0 | 1.91  | 0.0 | 0.0 | 2.037 | 0.0 | 0.0 | 2.369 | 0.0 |
| 103 | 10955 | 10956 | NS | 1 | 0.0 | 58.942  | 7.767  | 0.0 | 29.654 | 12.144 | 0.0 | 131.227 | 6.611  | 0.0 | 16.915  | 8.325  | 0.0 | 1.392 | 0.0 | 0.0 | 1.801 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.157 | 0.0 |
| 104 | 10955 | 10956 | NS | 1 | 0.0 | 217.796 | 4.157  | 0.0 | 24.454 | 5.007  | 0.0 | 119.902 | 1.401  | 0.0 | 13.986  | 1.956  | 0.0 | 1.425 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.157 | 0.0 |
| 105 | 10956 | 10957 | NS | 1 | 0.0 | 119.419 | 5.607  | 0.0 | 25.755 | 6.775  | 0.0 | 230.75  | 2.405  | 0.0 | 12.817  | 3.034  | 0.0 | 1.417 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.157 | 0.0 |

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

|     |       |       |    |   |     |         |        |     |         |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 106 | 10956 | 10957 | NS | 1 | 0.0 | 220.79  | 9.685  | 0.0 | 29.671  | 13.411 | 0.0 | 356.785 | 9.976  | 0.0 | 14.025  | 11.012 | 0.0 | 1.418 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.157 | 0.0 |
| 107 | 10956 | 10957 | NS | 1 | 0.0 | 220.79  | 9.616  | 0.0 | 36.763  | 13.952 | 0.0 | 356.785 | 9.483  | 0.0 | 31.822  | 11.444 | 0.0 | 1.418 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.157 | 0.0 |
| 108 | 10956 | 10957 | SN | 1 | 0.0 | 32.252  | 12.264 | 0.0 | 24.613  | 12.548 | 0.0 | 146.517 | 11.166 | 0.0 | 141.512 | 13.013 | 0.0 | 1.481 | 0.0 | 0.0 | 1.93  | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.384 | 0.0 |
| 109 | 10956 | 10957 | NS | 1 | 0.0 | 119.419 | 5.342  | 0.0 | 25.755  | 6.676  | 0.0 | 230.75  | 2.286  | 0.0 | 49.067  | 3.0    | 0.0 | 1.417 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.157 | 0.0 |
| 110 | 10956 | 10957 | SN | 1 | 0.0 | 23.334  | 6.62   | 0.0 | 25.468  | 8.193  | 0.0 | 148.811 | 3.552  | 0.0 | 63.434  | 4.805  | 0.0 | 1.583 | 0.0 | 0.0 | 1.895 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.391 | 0.0 |
| 111 | 10956 | 10957 | NS | 1 | 0.0 | 220.79  | 9.616  | 0.0 | 36.763  | 13.952 | 0.0 | 356.785 | 9.483  | 0.0 | 31.822  | 11.444 | 0.0 | 1.418 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.157 | 0.0 |
| 112 | 10956 | 10957 | NS | 1 | 0.0 | 119.419 | 5.342  | 0.0 | 25.755  | 6.676  | 0.0 | 230.75  | 2.286  | 0.0 | 49.067  | 3.0    | 0.0 | 1.417 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.157 | 0.0 |
| 113 | 10957 | 10958 | NS | 1 | 0.0 | 23.869  | 9.754  | 0.0 | 29.671  | 13.236 | 0.0 | 356.873 | 10.465 | 0.0 | 14.003  | 11.149 | 0.0 | 1.414 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.867 | 0.0 | 0.0 | 2.155 | 0.0 |
| 114 | 10957 | 10958 | SN | 1 | 0.0 | 190.323 | 6.702  | 0.0 | 25.435  | 8.202  | 0.0 | 209.973 | 3.726  | 0.0 | 53.264  | 4.775  | 0.0 | 1.606 | 0.0 | 0.0 | 1.9   | 0.0 | 0.0 | 2.117 | 0.0 | 0.0 | 2.411 | 0.0 |
| 115 | 10957 | 10958 | NS | 1 | 0.0 | 25.623  | 5.34   | 0.0 | 24.47   | 6.698  | 0.0 | 356.073 | 2.293  | 0.0 | 21.453  | 3.0    | 0.0 | 1.437 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.87  | 0.0 | 0.0 | 2.158 | 0.0 |
| 116 | 10957 | 10958 | NS | 1 | 0.0 | 25.623  | 5.34   | 0.0 | 24.47   | 6.698  | 0.0 | 356.073 | 2.293  | 0.0 | 21.453  | 3.0    | 0.0 | 1.437 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.87  | 0.0 | 0.0 | 2.158 | 0.0 |
| 117 | 10957 | 10958 | NS | 1 | 0.0 | 23.869  | 9.596  | 0.0 | 36.879  | 13.972 | 0.0 | 356.873 | 9.469  | 0.0 | 32.638  | 11.472 | 0.0 | 1.414 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.867 | 0.0 | 0.0 | 2.155 | 0.0 |
| 118 | 10957 | 10958 | NS | 1 | 0.0 | 25.623  | 5.884  | 0.0 | 24.47   | 6.942  | 0.0 | 356.073 | 2.535  | 0.0 | 12.817  | 3.184  | 0.0 | 1.437 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.87  | 0.0 | 0.0 | 2.158 | 0.0 |
| 119 | 10957 | 10958 | NS | 1 | 0.0 | 23.869  | 9.596  | 0.0 | 36.879  | 13.962 | 0.0 | 356.873 | 9.469  | 0.0 | 32.632  | 11.472 | 0.0 | 1.414 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.867 | 0.0 | 0.0 | 2.155 | 0.0 |
| 120 | 10957 | 10958 | SN | 1 | 0.0 | 220.837 | 12.633 | 0.0 | 138.225 | 12.61  | 0.0 | 210.64  | 11.621 | 0.0 | 257.934 | 13.107 | 0.0 | 1.495 | 0.0 | 0.0 | 1.957 | 0.0 | 0.0 | 2.088 | 0.0 | 0.0 | 2.409 | 0.0 |
| 121 | 10957 | 10958 | SN | 1 | 0.0 | 220.837 | 12.633 | 0.0 | 138.225 | 12.61  | 0.0 | 210.64  | 11.621 | 0.0 | 257.934 | 13.107 | 0.0 | 1.495 | 0.0 | 0.0 | 1.957 | 0.0 | 0.0 | 2.088 | 0.0 | 0.0 | 2.409 | 0.0 |
| 122 | 10957 | 10958 | SN | 1 | 0.0 | 190.323 | 6.702  | 0.0 | 25.435  | 8.202  | 0.0 | 209.973 | 3.726  | 0.0 | 53.264  | 4.775  | 0.0 | 1.606 | 0.0 | 0.0 | 1.9   | 0.0 | 0.0 | 2.117 | 0.0 | 0.0 | 2.411 | 0.0 |
| 123 | 10958 | 10959 | NS | 1 | 0.0 | 25.601  | 5.327  | 0.0 | 25.755  | 6.718  | 0.0 | 133.979 | 2.279  | 0.0 | 63.252  | 2.992  | 0.0 | 1.441 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.158 | 0.0 |
| 124 | 10958 | 10959 | SN | 1 | 0.0 | 23.317  | 6.553  | 0.0 | 25.435  | 8.147  | 0.0 | 138.608 | 3.613  | 0.0 | 49.889  | 4.725  | 0.0 | 1.412 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.149 | 0.0 |
| 125 | 10958 | 10959 | NS | 1 | 0.0 | 23.191  | 9.888  | 0.0 | 29.676  | 13.401 | 0.0 | 134.315 | 11.158 | 0.0 | 14.03   | 11.601 | 0.0 | 1.421 | 0.0 | 0.0 | 1.805 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.154 | 0.0 |
| 126 | 10958 | 10959 | SN | 1 | 0.0 | 23.317  | 6.466  | 0.0 | 25.43   | 9.459  | 0.0 | 135.697 | 3.751  | 0.0 | 15.519  | 6.429  | 0.0 | 1.409 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.149 | 0.0 |
| 127 | 10958 | 10959 | NS | 1 | 0.0 | 23.191  | 9.544  | 0.0 | 29.676  | 13.814 | 0.0 | 134.315 | 9.698  | 0.0 | 27.729  | 11.528 | 0.0 | 1.421 | 0.0 | 0.0 | 1.805 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.154 | 0.0 |
| 128 | 10958 | 10959 | NS | 1 | 0.0 | 25.601  | 5.457  | 0.0 | 25.755  | 6.649  | 0.0 | 133.99  | 2.335  | 0.0 | 16.595  | 2.98   | 0.0 | 1.441 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.158 | 0.0 |
| 129 | 10958 | 10959 | NS | 1 | 0.0 | 25.601  | 6.258  | 0.0 | 25.755  | 7.187  | 0.0 | 133.99  | 2.685  | 0.0 | 12.817  | 3.374  | 0.0 | 1.441 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.158 | 0.0 |
| 130 | 10958 | 10959 | SN | 1 | 0.0 | 23.317  | 6.539  | 0.0 | 24.283  | 10.724 | 0.0 | 135.697 | 3.612  | 0.0 | 49.889  | 7.559  | 0.0 | 1.409 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.149 | 0.0 |
| 131 | 10958 | 10959 | SN | 1 | 0.0 | 30.741  | 11.338 | 0.0 | 24.63   | 15.369 | 0.0 | 139.463 | 9.895  | 0.0 | 69.561  | 17.805 | 0.0 | 1.42  | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.857 | 0.0 | 0.0 | 2.149 | 0.0 |
| 132 | 10958 | 10959 | NS | 1 | 0.0 | 23.196  | 9.581  | 0.0 | 32.632  | 13.944 | 0.0 | 134.31  | 9.512  | 0.0 | 34.414  | 11.535 | 0.0 | 1.421 | 0.0 | 0.0 | 1.805 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.154 | 0.0 |
| 133 | 10958 | 10959 | NS | 1 | 0.0 | 23.191  | 9.592  | 0.0 | 32.632  | 13.944 | 0.0 | 134.315 | 9.497  | 0.0 | 34.414  | 11.535 | 0.0 | 1.421 | 0.0 | 0.0 | 1.805 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.154 | 0.0 |
| 134 | 10958 | 10959 | SN | 1 | 0.0 | 30.741  | 11.253 | 0.0 | 24.387  | 13.143 | 0.0 | 139.463 | 10.009 | 0.0 | 15.784  | 15.152 | 0.0 | 1.42  | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.857 | 0.0 | 0.0 | 2.149 | 0.0 |
| 135 | 10958 | 10959 | SN | 1 | 0.0 | 32.064  | 12.283 | 0.0 | 24.63   | 12.621 | 0.0 | 139.463 | 11.235 | 0.0 | 69.561  | 13.171 | 0.0 | 1.42  | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.857 | 0.0 | 0.0 | 2.149 | 0.0 |
| 136 | 10958 | 10959 | NS | 1 | 0.0 | 25.601  | 5.33   | 0.0 | 25.755  | 6.72   | 0.0 | 133.99  | 2.282  | 0.0 | 63.252  | 2.992  | 0.0 | 1.441 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.158 | 0.0 |
| 137 | 10959 | 10960 | NS | 1 | 0.0 | 93.421  | 5.338  | 0.0 | 25.772  | 6.652  | 0.0 | 242.255 | 2.288  | 0.0 | 31.364  | 3.003  | 0.0 | 1.442 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.157 | 0.0 |
| 138 | 10959 | 10960 | SN | 1 | 0.0 | 28.281  | 15.614 | 0.0 | 24.487  | 8.148  | 0.0 | 66.279  | 5.66   | 0.0 | 61.9    | 0.801  | 0.0 | 1.302 | 0.0 | 0.0 | 1.665 | 0.0 | 0.0 | 1.817 | 0.0 | 0.0 | 2.009 | 0.0 |
| 139 | 10959 | 10960 | SN | 1 | 0.0 | 18.817  | 4.808  | 0.0 | 24.663  | 2.801  | 0.0 | 29.941  | 2.983  | 0.0 | 53.198  | 0.264  | 0.0 | 1.337 | 0.0 | 0.0 | 1.663 | 0.0 | 0.0 | 1.817 | 0.0 | 0.0 | 2.011 | 0.0 |
| 140 | 10959 | 10960 | NS | 1 | 0.0 | 40.731  | 9.585  | 0.0 | 33.035  | 13.904 | 0.0 | 355.042 | 9.506  | 0.0 | 34.794  | 11.408 | 0.0 | 1.419 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.156 | 0.0 |
| 141 | 10959 | 10960 | NS | 1 | 0.0 | 40.731  | 9.6    | 0.0 | 33.035  | 13.945 | 0.0 | 355.042 | 9.49   | 0.0 | 34.794  | 11.5   | 0.0 | 1.419 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.156 | 0.0 |
| 142 | 10959 | 10960 | SN | 1 | 0.0 | 32.423  | 12.3   | 0.0 | 25.843  | 12.698 | 0.0 | 146.054 | 11.302 | 0.0 | 235.502 | 13.167 | 0.0 | 1.52  | 0.0 | 0.0 | 1.983 | 0.0 | 0.0 | 2.117 | 0.0 | 0.0 | 2.457 | 0.0 |

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

|     |       |       |    |   |     |         |        |     |         |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 143 | 10959 | 10960 | NS | 1 | 0.0 | 93.421  | 5.368  | 0.0 | 25.772  | 6.626  | 0.0 | 242.255 | 2.296  | 0.0 | 31.364  | 3.008  | 0.0 | 1.442 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.157 | 0.0 |
| 144 | 10959 | 10960 | SN | 1 | 0.0 | 23.306  | 6.497  | 0.0 | 25.468  | 8.181  | 0.0 | 162.389 | 3.646  | 0.0 | 235.51  | 4.767  | 0.0 | 1.616 | 0.0 | 0.0 | 1.939 | 0.0 | 0.0 | 2.151 | 0.0 | 0.0 | 2.451 | 0.0 |
| 145 | 10960 | 10961 | SN | 1 | 0.0 | 23.345  | 6.557  | 0.0 | 25.457  | 8.183  | 0.0 | 152.126 | 3.709  | 0.0 | 118.002 | 4.746  | 0.0 | 1.638 | 0.0 | 0.0 | 1.952 | 0.0 | 0.0 | 2.174 | 0.0 | 0.0 | 2.474 | 0.0 |
| 146 | 10960 | 10961 | NS | 1 | 0.0 | 47.013  | 5.32   | 0.0 | 25.761  | 6.636  | 0.0 | 135.391 | 2.263  | 0.0 | 39.052  | 2.995  | 0.0 | 1.442 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.156 | 0.0 |
| 147 | 10960 | 10961 | NS | 1 | 0.0 | 160.236 | 5.332  | 0.0 | 25.772  | 6.603  | 0.0 | 354.684 | 2.259  | 0.0 | 49.519  | 2.997  | 0.0 | 1.439 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.157 | 0.0 |
| 148 | 10960 | 10961 | SN | 1 | 0.0 | 23.339  | 6.557  | 0.0 | 25.457  | 8.188  | 0.0 | 152.22  | 3.705  | 0.0 | 118.013 | 4.75   | 0.0 | 1.638 | 0.0 | 0.0 | 1.952 | 0.0 | 0.0 | 2.174 | 0.0 | 0.0 | 2.475 | 0.0 |
| 149 | 10960 | 10961 | SN | 1 | 0.0 | 32.345  | 12.35  | 0.0 | 24.575  | 12.539 | 0.0 | 152.87  | 11.374 | 0.0 | 33.782  | 13.033 | 0.0 | 1.533 | 0.0 | 0.0 | 1.997 | 0.0 | 0.0 | 2.131 | 0.0 | 0.0 | 2.473 | 0.0 |
| 150 | 10960 | 10961 | SN | 1 | 0.0 | 32.345  | 12.36  | 0.0 | 236.618 | 12.561 | 0.0 | 152.914 | 11.374 | 0.0 | 33.788  | 13.048 | 0.0 | 1.533 | 0.0 | 0.0 | 1.997 | 0.0 | 0.0 | 2.131 | 0.0 | 0.0 | 2.478 | 0.0 |
| 151 | 10960 | 10961 | SN | 1 | 0.0 | 23.339  | 6.568  | 0.0 | 25.457  | 8.208  | 0.0 | 152.22  | 3.696  | 0.0 | 118.013 | 4.832  | 0.0 | 1.638 | 0.0 | 0.0 | 1.952 | 0.0 | 0.0 | 2.174 | 0.0 | 0.0 | 2.475 | 0.0 |
| 152 | 10960 | 10961 | SN | 1 | 0.0 | 32.345  | 12.361 | 0.0 | 236.618 | 12.668 | 0.0 | 152.914 | 11.316 | 0.0 | 62.22   | 13.218 | 0.0 | 1.533 | 0.0 | 0.0 | 1.997 | 0.0 | 0.0 | 2.131 | 0.0 | 0.0 | 2.478 | 0.0 |
| 153 | 10960 | 10961 | NS | 1 | 0.0 | 42.132  | 9.638  | 0.0 | 32.665  | 13.984 | 0.0 | 138.545 | 9.447  | 0.0 | 35.191  | 11.456 | 0.0 | 1.409 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.156 | 0.0 |
| 154 | 10960 | 10961 | NS | 1 | 0.0 | 161.217 | 9.724  | 0.0 | 32.665  | 13.885 | 0.0 | 138.545 | 9.521  | 0.0 | 35.842  | 11.445 | 0.0 | 1.418 | 0.0 | 0.0 | 1.8   | 0.0 | 0.0 | 1.859 | 0.0 | 0.0 | 2.158 | 0.0 |
| 155 | 10961 | 10962 | NS | 1 | 0.0 | 141.584 | 9.736  | 0.0 | 32.693  | 13.873 | 0.0 | 266.824 | 9.473  | 0.0 | 35.996  | 11.324 | 0.0 | 1.413 | 0.0 | 0.0 | 1.8   | 0.0 | 0.0 | 1.857 | 0.0 | 0.0 | 2.155 | 0.0 |
| 156 | 10961 | 10962 | SN | 1 | 0.0 | 32.23   | 12.285 | 0.0 | 55.401  | 12.423 | 0.0 | 164.628 | 11.506 | 0.0 | 23.874  | 13.034 | 0.0 | 1.542 | 0.0 | 0.0 | 2.025 | 0.0 | 0.0 | 2.151 | 0.0 | 0.0 | 2.486 | 0.0 |
| 157 | 10961 | 10962 | SN | 1 | 0.0 | 32.23   | 12.284 | 0.0 | 55.401  | 12.62  | 0.0 | 164.628 | 11.431 | 0.0 | 60.356  | 13.337 | 0.0 | 1.542 | 0.0 | 0.0 | 2.025 | 0.0 | 0.0 | 2.151 | 0.0 | 0.0 | 2.486 | 0.0 |
| 158 | 10961 | 10962 | SN | 1 | 0.0 | 23.339  | 6.573  | 0.0 | 67.898  | 8.252  | 0.0 | 164.077 | 3.843  | 0.0 | 65.298  | 4.897  | 0.0 | 1.646 | 0.0 | 0.0 | 1.953 | 0.0 | 0.0 | 2.196 | 0.0 | 0.0 | 2.493 | 0.0 |
| 159 | 10961 | 10962 | NS | 1 | 0.0 | 156.35  | 5.322  | 0.0 | 25.75   | 6.577  | 0.0 | 355.125 | 2.242  | 0.0 | 37.392  | 2.976  | 0.0 | 1.43  | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.157 | 0.0 |
| 160 | 10961 | 10962 | SN | 1 | 0.0 | 23.339  | 6.563  | 0.0 | 67.898  | 8.204  | 0.0 | 164.077 | 3.844  | 0.0 | 22.016  | 4.789  | 0.0 | 1.646 | 0.0 | 0.0 | 1.953 | 0.0 | 0.0 | 2.196 | 0.0 | 0.0 | 2.493 | 0.0 |
| 161 | 10962 | 10963 | SN | 1 | 0.0 | 23.334  | 6.609  | 0.0 | 25.43   | 8.274  | 0.0 | 180.291 | 3.801  | 0.0 | 127.736 | 4.902  | 0.0 | 1.695 | 0.0 | 0.0 | 1.973 | 0.0 | 0.0 | 2.202 | 0.0 | 0.0 | 2.493 | 0.0 |
| 162 | 10962 | 10963 | SN | 1 | 0.0 | 32.268  | 12.347 | 0.0 | 24.575  | 12.295 | 0.0 | 161.369 | 11.562 | 0.0 | 80.947  | 12.926 | 0.0 | 1.549 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.163 | 0.0 | 0.0 | 2.501 | 0.0 |
| 163 | 10962 | 10963 | SN | 1 | 0.0 | 23.334  | 6.594  | 0.0 | 25.43   | 8.186  | 0.0 | 180.291 | 3.802  | 0.0 | 127.736 | 4.726  | 0.0 | 1.695 | 0.0 | 0.0 | 1.973 | 0.0 | 0.0 | 2.202 | 0.0 | 0.0 | 2.493 | 0.0 |
| 164 | 10962 | 10963 | NS | 1 | 0.0 | 198.934 | 9.766  | 0.0 | 32.682  | 13.883 | 0.0 | 132.903 | 9.416  | 0.0 | 36.708  | 11.388 | 0.0 | 1.411 | 0.0 | 0.0 | 1.801 | 0.0 | 0.0 | 1.858 | 0.0 | 0.0 | 2.155 | 0.0 |
| 165 | 10962 | 10963 | NS | 1 | 0.0 | 254.583 | 5.311  | 0.0 | 25.75   | 6.568  | 0.0 | 355.351 | 2.241  | 0.0 | 38.241  | 2.971  | 0.0 | 1.431 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.156 | 0.0 |
| 166 | 10962 | 10963 | SN | 1 | 0.0 | 32.268  | 12.332 | 0.0 | 25.882  | 12.602 | 0.0 | 161.369 | 11.442 | 0.0 | 80.947  | 13.316 | 0.0 | 1.549 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.163 | 0.0 | 0.0 | 2.501 | 0.0 |
| 167 | 10963 | 10964 | NS | 1 | 0.0 | 24.062  | 9.655  | 0.0 | 32.682  | 13.87  | 0.0 | 356.856 | 9.397  | 0.0 | 32.704  | 11.352 | 0.0 | 1.412 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.155 | 0.0 |
| 168 | 10963 | 10964 | SN | 1 | 0.0 | 31.799  | 12.352 | 0.0 | 30.881  | 12.219 | 0.0 | 177.131 | 11.577 | 0.0 | 22.358  | 12.623 | 0.0 | 1.557 | 0.0 | 0.0 | 2.033 | 0.0 | 0.0 | 2.176 | 0.0 | 0.0 | 2.521 | 0.0 |
| 169 | 10963 | 10964 | SN | 1 | 0.0 | 23.35   | 6.572  | 0.0 | 68.124  | 8.111  | 0.0 | 167.617 | 3.858  | 0.0 | 22.027  | 4.748  | 0.0 | 1.686 | 0.0 | 0.0 | 1.991 | 0.0 | 0.0 | 2.234 | 0.0 | 0.0 | 2.512 | 0.0 |
| 170 | 10963 | 10964 | NS | 1 | 0.0 | 25.628  | 5.293  | 0.0 | 25.739  | 6.583  | 0.0 | 320.524 | 2.259  | 0.0 | 21.2    | 2.956  | 0.0 | 1.439 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.156 | 0.0 |

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