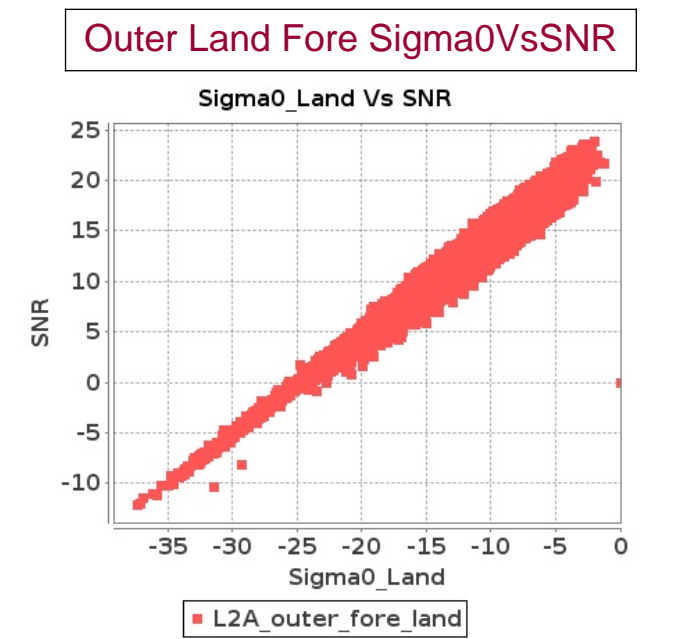
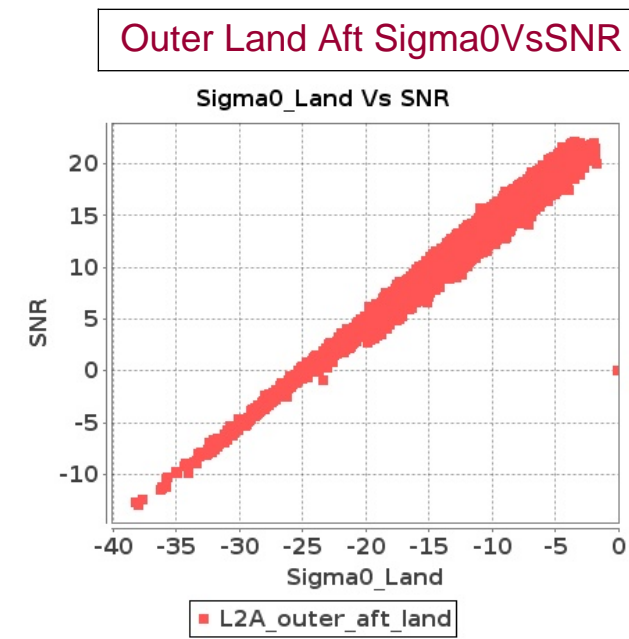
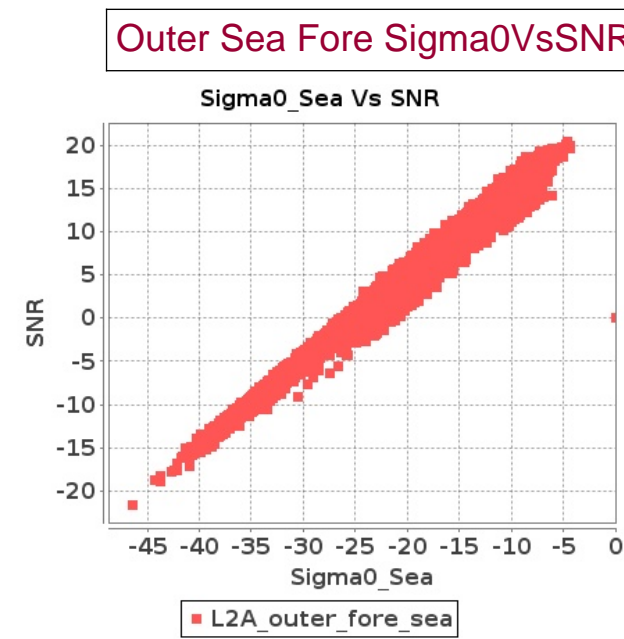
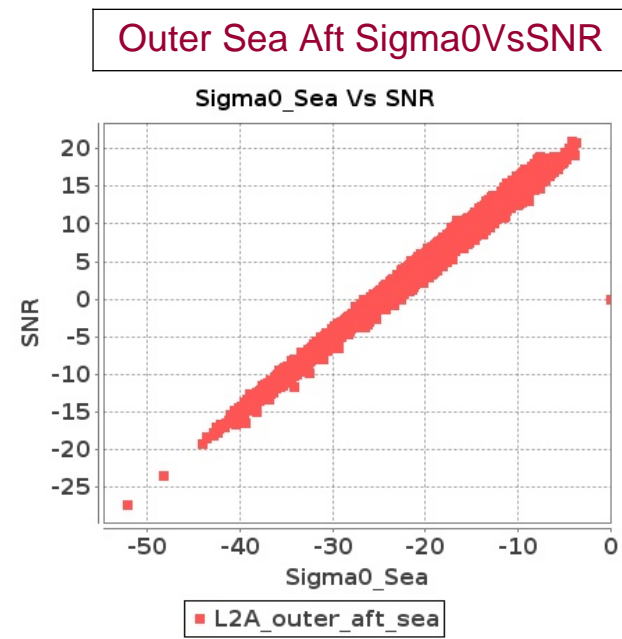
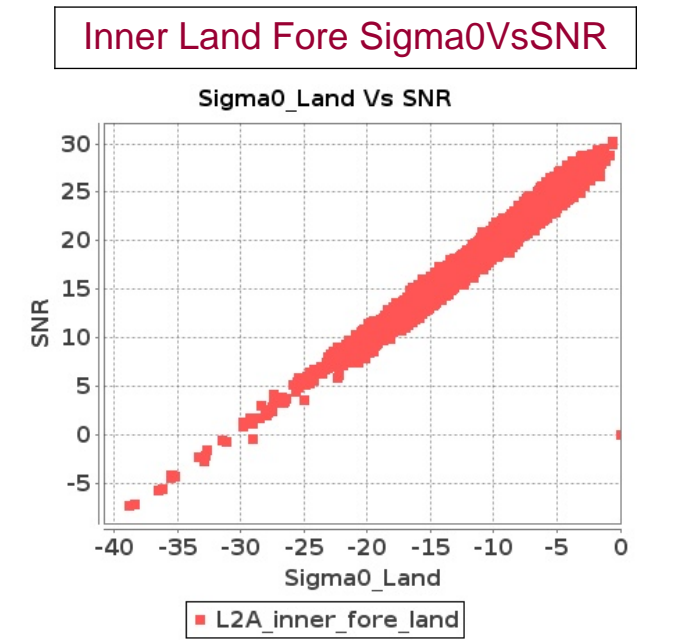
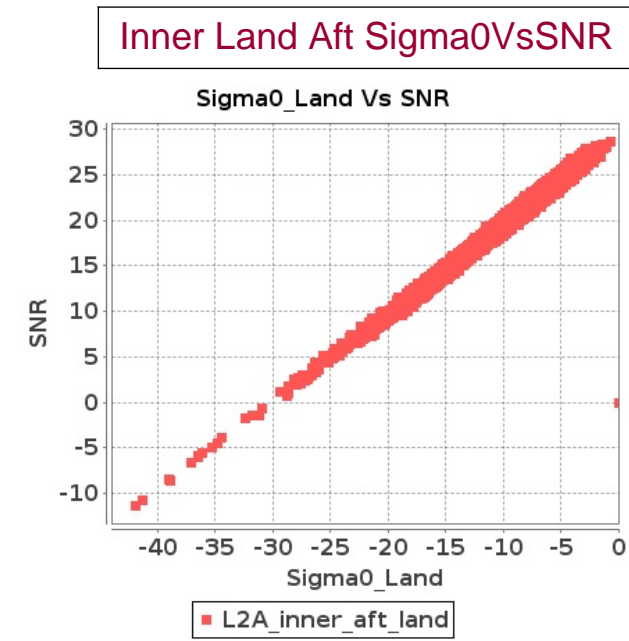
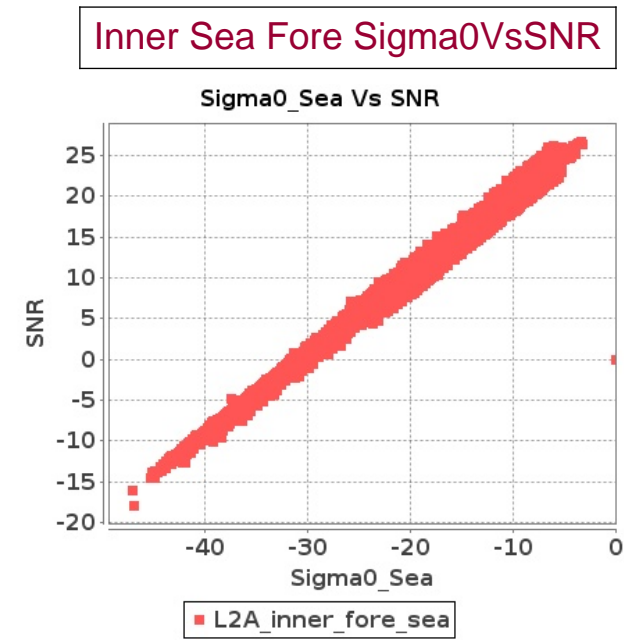
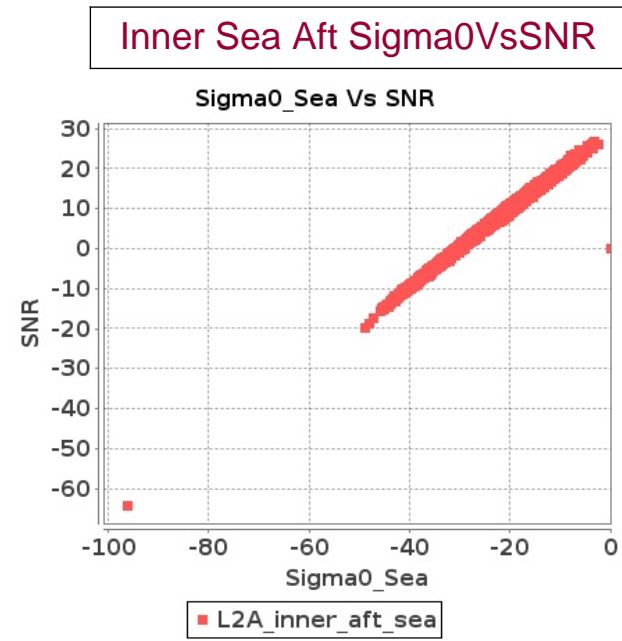


# SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 10-FEB-2019 To 11-FEB-2019



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

Report between 10-FEB-2019 To 11-FEB-2019

| 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     | 12568       | 12569     | SN   | 1    | 0.0       | 43.59  | 2.147      | 0.0        | 50.718 | 2.602      | 0.0       | 47.33  | 2.286      | 0.0        | 49.95  | 2.676      | 0.0       | 43.094 | 2.237      | 0.0        | 50.619 | 2.326      | 0.0       | 44.7   | 2.081      | 0.0        | 53.3   | 2.474      |
| 2     | 12568       | 12569     | SN   | 1    | 0.0       | 37.324 | 0.584      | 0.0        | 41.218 | 0.68       | 0.0       | 38.18  | 0.616      | 0.0        | 43.726 | 0.884      | 0.0       | 36.547 | 0.599      | 0.0        | 39.101 | 0.635      | 0.0       | 39.424 | 0.59       | 0.0        | 47.339 | 0.754      |
| 3     | 12568       | 12569     | SN   | 1    | 0.0       | 37.324 | 0.56       | 0.0        | 41.218 | 0.649      | 0.0       | 38.18  | 0.591      | 0.0        | 43.726 | 0.85       | 0.0       | 36.547 | 0.571      | 0.0        | 39.101 | 0.605      | 0.0       | 39.424 | 0.572      | 0.0        | 47.339 | 0.721      |
| 4     | 12568       | 12569     | SN   | 1    | 0.0       | 43.59  | 2.279      | 0.0        | 50.718 | 2.716      | 0.0       | 47.33  | 2.352      | 0.0        | 49.95  | 2.814      | 0.0       | 43.094 | 2.353      | 0.0        | 50.619 | 2.438      | 0.0       | 44.7   | 2.159      | 0.0        | 53.3   | 2.588      |
| 5     | 12569       | 12570     | SN   | 1    | 0.0       | 49.256 | 3.791      | 0.0        | 47.991 | 4.917      | 0.0       | 49.977 | 4.387      | 0.0        | 47.446 | 5.376      | 0.0       | 50.231 | 3.852      | 0.0        | 48.386 | 4.795      | 0.0       | 48.948 | 4.252      | 0.0        | 47.348 | 4.91       |
| 6     | 12569       | 12570     | SN   | 1    | 0.0       | 46.866 | 1.206      | 0.0        | 47.629 | 1.68       | 0.0       | 41.276 | 1.245      | 0.0        | 46.736 | 1.728      | 0.0       | 45.647 | 1.236      | 0.0        | 45.1   | 1.602      | 0.0       | 41.607 | 1.223      | 0.0        | 48.559 | 1.598      |
| 7     | 12569       | 12570     | SN   | 1    | 0.0       | 54.877 | 1.196      | 0.0        | 47.629 | 1.613      | 0.0       | 41.153 | 1.239      | 0.0        | 40.754 | 1.715      | 0.0       | 54.103 | 1.219      | 0.0        | 45.1   | 1.567      | 0.0       | 40.253 | 1.212      | 0.0        | 42.811 | 1.595      |
| 8     | 12569       | 12570     | SN   | 1    | 0.0       | 46.866 | 1.191      | 0.0        | 47.629 | 1.656      | 0.0       | 41.276 | 1.233      | 0.0        | 46.736 | 1.71       | 0.0       | 45.647 | 1.221      | 0.0        | 45.1   | 1.583      | 0.0       | 41.607 | 1.21       | 0.0        | 48.559 | 1.581      |
| 9     | 12569       | 12570     | NS   | 1    | 0.0       | 45.706 | 1.564      | 0.0        | 45.926 | 2.131      | 0.0       | 42.725 | 1.263      | 0.0        | 46.566 | 1.991      | 0.0       | 45.896 | 1.516      | 0.0        | 47.137 | 2.007      | 0.0       | 41.173 | 1.201      | 0.0        | 46.88  | 1.76       |
| 10    | 12569       | 12570     | SN   | 1    | 0.0       | 48.132 | 3.848      | 0.0        | 48.025 | 5.011      | 0.0       | 50.561 | 4.456      | 0.0        | 48.028 | 5.439      | 0.0       | 48.779 | 3.909      | 0.0        | 48.404 | 4.919      | 0.0       | 48.448 | 4.29       | 0.0        | 49.281 | 4.975      |
| 11    | 12569       | 12570     | NS   | 1    | 0.0       | 52.672 | 5.3        | 0.0        | 54.651 | 6.779      | 0.0       | 49.286 | 4.552      | 0.0        | 50.146 | 6.137      | 0.0       | 52.595 | 5.634      | 0.0        | 53.112 | 6.86       | 0.0       | 50.276 | 4.517      | 0.0        | 51.501 | 5.995      |
| 12    | 12569       | 12570     | SN   | 1    | 0.0       | 48.132 | 3.802      | 0.0        | 48.025 | 4.948      | 0.0       | 50.561 | 4.394      | 0.0        | 48.028 | 5.369      | 0.0       | 48.779 | 3.862      | 0.0        | 48.404 | 4.856      | 0.0       | 48.448 | 4.238      | 0.0        | 49.281 | 4.91       |
| 13    | 12570       | 12571     | SN   | 1    | 0.0       | 44.65  | 1.07       | 0.0        | 42.451 | 1.393      | 0.0       | 37.283 | 1.257      | 0.0        | 38.287 | 1.894      | 0.0       | 44.063 | 1.045      | 0.0        | 42.872 | 1.315      | 0.0       | 35.114 | 1.163      | 0.0        | 36.047 | 1.7        |
| 14    | 12570       | 12571     | NS   | 1    | 0.0       | 42.895 | 1.29       | 0.0        | 43.978 | 1.996      | 0.0       | 38.418 | 1.314      | 0.0        | 40.205 | 2.002      | 0.0       | 43.802 | 1.295      | 0.0        | 44.866 | 1.804      | 0.0       | 37.688 | 1.311      | 0.0        | 38.672 | 1.851      |
| 15    | 12570       | 12571     | NS   | 1    | 0.0       | 46.888 | 1.292      | 0.0        | 44.286 | 1.999      | 0.0       | 39.784 | 1.305      | 0.0        | 40.205 | 1.982      | 0.0       | 45.438 | 1.29       | 0.0        | 45.175 | 1.804      | 0.0       | 41.685 | 1.316      | 0.0        | 38.672 | 1.863      |
| 16    | 12570       | 12571     | SN   | 1    | 0.0       | 44.65  | 1.065      | 0.0        | 42.451 | 1.381      | 0.0       | 37.283 | 1.255      | 0.0        | 38.287 | 1.876      | 0.0       | 44.063 | 1.04       | 0.0        | 42.872 | 1.304      | 0.0       | 35.114 | 1.159      | 0.0        | 36.047 | 1.682      |
| 17    | 12570       | 12571     | NS   | 1    | 0.0       | 55.882 | 3.595      | 0.0        | 52.449 | 6.036      | 0.0       | 41.574 | 3.954      | 0.0        | 42.516 | 6.018      | 0.0       | 55.967 | 3.605      | 0.0        | 52.876 | 5.643      | 0.0       | 41.248 | 3.883      | 0.0        | 41.432 | 5.883      |
| 18    | 12570       | 12571     | NS   | 1    | 0.0       | 55.882 | 3.615      | 0.0        | 52.449 | 6.036      | 0.0       | 41.574 | 3.94       | 0.0        | 42.515 | 5.947      | 0.0       | 55.967 | 3.615      | 0.0        | 52.876 | 5.674      | 0.0       | 41.249 | 3.883      | 0.0        | 41.458 | 5.826      |
| 19    | 12570       | 12571     | SN   | 1    | 0.0       | 45.383 | 4.032      | 0.0        | 52.429 | 4.525      | 0.0       | 40.163 | 3.535      | 0.0        | 44.368 | 5.074      | 0.0       | 46.898 | 4.134      | 0.0        | 54.082 | 4.268      | 0.0       | 40.665 | 3.593      | 0.0        | 45.922 | 4.95       |
| 20    | 12570       | 12571     | SN   | 1    | 0.0       | 45.517 | 3.966      | 0.0        | 52.429 | 4.479      | 0.0       | 40.163 | 3.482      | 0.0        | 44.368 | 5.021      | 0.0       | 47.094 | 4.067      | 0.0        | 54.082 | 4.224      | 0.0       | 40.665 | 3.532      | 0.0        | 45.922 | 4.899      |
| 21    | 12571       | 12572     | SN   | 1    | 0.0       | 45.485 | 1.161      | 0.0        | 38.85  | 1.543      | 0.0       | 36.192 | 1.315      | 0.0        | 43.078 | 1.881      | 0.0       | 45.17  | 1.12       | 0.0        | 40.136 | 1.334      | 0.0       | 35.103 | 1.204      | 0.0        | 40.636 | 1.538      |
| 22    | 12571       | 12572     | NS   | 1    | 0.0       | 48.368 | 1.07       | 0.0        | 55.858 | 1.657      | 0.0       | 42.699 | 1.274      | 0.0        | 42.594 | 1.764      | 0.0       | 47.521 | 1.054      | 0.0        | 58.232 | 1.467      | 0.0       | 42.705 | 1.201      | 0.0        | 38.821 | 1.515      |
| 23    | 12571       | 12572     | NS   | 1    | 0.0       | 43.98  | 3.63       | 0.0        | 49.571 | 4.793      | 0.0       | 39.866 | 4.131      | 0.0        | 43.514 | 5.377      | 0.0       | 45.353 | 3.6        | 0.0        | 47.592 | 4.48       | 0.0       | 40.172 | 3.932      | 0.0        | 45.788 | 5.15       |
| 24    | 12571       | 12572     | SN   | 1    | 0.0       | 45.485 | 1.161      | 0.0        | 38.85  | 1.543      | 0.0       | 36.192 | 1.315      | 0.0        | 43.078 | 1.881      | 0.0       | 45.17  | 1.12       | 0.0        | 40.136 | 1.334      | 0.0       | 35.103 | 1.204      | 0.0        | 40.636 | 1.538      |
| 25    | 12571       | 12572     | SN   | 1    | 0.0       | 45.485 | 1.193      | 0.0        | 38.85  | 1.569      | 0.0       | 36.192 | 1.346      | 0.0        | 43.078 | 1.913      | 0.0       | 45.17  | 1.144      | 0.0        | 40.136 | 1.359      | 0.0       | 35.103 | 1.24       | 0.0        | 40.636 | 1.562      |
| 26    | 12571       | 12572     | SN   | 1    | 0.0       | 52.204 | 4.41       | 0.0        | 41.967 | 5.298      | 0.0       | 44.71  | 4.285      | 0.0        | 40.996 | 5.325      | 0.0       | 52.907 | 4.287      | 0.0        | 43.602 | 4.805      | 0.0       | 44.437 | 3.939      | 0.0        | 41.712 | 4.592      |
| 27    | 12571       | 12572     | SN   | 1    | 0.0       | 50.182 | 4.355      | 0.0        | 41.967 | 5.214      | 0.0       | 45.027 | 4.231      | 0.0        | 40.996 | 5.222      | 0.0       | 52.028 | 4.234      | 0.0        | 43.602 | 4.73       | 0.0       | 44.754 | 3.898      | 0.0        | 41.712 | 4.488      |
| 28    | 12572       | 12573     | NS   | 1    | 0.0       | 50.873 | 0.608      | 0.0        | 42.091 | 0.688      | 0.0       | 43.265 | 0.705      | 0.0        | 40.626 | 0.875      | 0.0       | 50.737 | 0.613      | 0.0        | 41.356 | 0.627      | 0.0       | 41.861 | 0.657      | 0.0        | 40.592 | 0.737      |
| 29    | 12572       | 12573     | SN   | 1    | 0.0       | 49.215 | 2.69       | 0.0        | 39.582 | 3.861      | 0.0       | 37.516 | 2.23       | 0.0        | 37.846 | 4.365      | 0.0       | 50.532 | 2.659      | 0.0        | 38.694 | 3.726      | 0.0       | 37.932 | 2.157      | 0.0        | 35.722 | 3.763      |
| 30    | 12572       | 12573     | SN   | 1    | 0.0       | 49.215 | 2.618      | 0.0        | 39.582 | 3.754      | 0.0       | 37.516 | 2.168      | 0.0        | 37.801 | 4.249      | 0.0       | 50.532 | 2.588      | 0.0        | 38.694 | 3.623      | 0.0       | 37.932 | 2.126      | 0.0        | 35.722 | 3.643      |
| 31    | 12572       | 12573     | SN   | 1    | 0.0       | 49.215 | 2.618      | 0.0        | 39.582 | 3.754      | 0.0       | 37.516 | 2.161      | 0.0        | 37.801 | 4.27       | 0.0       | 50.532 | 2.598      | 0.0        | 38.694 | 3.623      | 0.0       | 37.932 | 2.111      | 0.0        | 35.722 | 3.657      |

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

|    |       |       |    |   |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 32 | 12572 | 12573 | NS | 1 | 0.0 | 49.342 | 2.45  | 0.0 | 48.799 | 2.81  | 0.0 | 46.671 | 2.591 | 0.0 | 38.791 | 2.96  | 0.0 | 49.362 | 2.48  | 0.0 | 47.843 | 2.659 | 0.0 | 46.147 | 2.441 | 0.0 | 36.884 | 2.576 |
| 33 | 12572 | 12573 | NS | 1 | 0.0 | 49.342 | 2.45  | 0.0 | 48.799 | 2.81  | 0.0 | 46.671 | 2.605 | 0.0 | 39.759 | 2.967 | 0.0 | 49.362 | 2.48  | 0.0 | 47.843 | 2.659 | 0.0 | 46.147 | 2.449 | 0.0 | 36.884 | 2.59  |
| 34 | 12572 | 12573 | SN | 1 | 0.0 | 33.933 | 0.693 | 0.0 | 38.496 | 1.187 | 0.0 | 38.895 | 0.799 | 0.0 | 41.489 | 1.47  | 0.0 | 34.088 | 0.693 | 0.0 | 37.719 | 1.042 | 0.0 | 37.635 | 0.768 | 0.0 | 40.905 | 1.136 |
| 35 | 12572 | 12573 | SN | 1 | 0.0 | 34.432 | 0.677 | 0.0 | 38.496 | 1.155 | 0.0 | 38.895 | 0.805 | 0.0 | 41.489 | 1.434 | 0.0 | 34.088 | 0.677 | 0.0 | 37.719 | 1.014 | 0.0 | 37.635 | 0.755 | 0.0 | 40.905 | 1.103 |
| 36 | 12572 | 12573 | SN | 1 | 0.0 | 41.467 | 0.674 | 0.0 | 38.496 | 1.155 | 0.0 | 38.895 | 0.803 | 0.0 | 41.489 | 1.443 | 0.0 | 40.33  | 0.681 | 0.0 | 37.719 | 1.014 | 0.0 | 37.635 | 0.748 | 0.0 | 40.905 | 1.114 |
| 37 | 12572 | 12573 | NS | 1 | 0.0 | 50.873 | 0.608 | 0.0 | 42.091 | 0.684 | 0.0 | 42.761 | 0.707 | 0.0 | 40.638 | 0.879 | 0.0 | 50.758 | 0.613 | 0.0 | 41.356 | 0.625 | 0.0 | 41.358 | 0.659 | 0.0 | 40.605 | 0.742 |
| 38 | 12573 | 12574 | SN | 1 | 0.0 | 37.277 | 0.514 | 0.0 | 46.012 | 0.758 | 0.0 | 38.958 | 0.815 | 0.0 | 41.402 | 1.043 | 0.0 | 38.978 | 0.496 | 0.0 | 46.115 | 0.694 | 0.0 | 36.968 | 0.732 | 0.0 | 39.877 | 0.863 |
| 39 | 12573 | 12574 | NS | 1 | 0.0 | 47.58  | 5.82  | 0.0 | 55.714 | 6.421 | 0.0 | 45.779 | 5.65  | 0.0 | 43.901 | 6.249 | 0.0 | 49.381 | 5.81  | 0.0 | 56.145 | 6.1   | 0.0 | 45.026 | 5.622 | 0.0 | 43.739 | 5.788 |
| 40 | 12573 | 12574 | SN | 1 | 0.0 | 41.585 | 2.28  | 0.0 | 43.157 | 3.079 | 0.0 | 39.86  | 2.532 | 0.0 | 48.101 | 3.552 | 0.0 | 41.367 | 2.259 | 0.0 | 44.438 | 2.877 | 0.0 | 41.257 | 2.421 | 0.0 | 43.709 | 2.915 |
| 41 | 12573 | 12574 | SN | 1 | 0.0 | 37.277 | 0.536 | 0.0 | 46.012 | 0.791 | 0.0 | 38.958 | 0.844 | 0.0 | 41.402 | 1.088 | 0.0 | 38.978 | 0.518 | 0.0 | 46.115 | 0.722 | 0.0 | 36.968 | 0.763 | 0.0 | 39.877 | 0.899 |
| 42 | 12573 | 12574 | NS | 1 | 0.0 | 49.996 | 6.014 | 0.0 | 43.715 | 5.987 | 0.0 | 44.981 | 5.744 | 0.0 | 43.689 | 6.454 | 0.0 | 50.247 | 6.075 | 0.0 | 45.333 | 5.836 | 0.0 | 44.903 | 5.673 | 0.0 | 43.942 | 6.063 |
| 43 | 12573 | 12574 | SN | 1 | 0.0 | 41.585 | 2.184 | 0.0 | 43.157 | 2.956 | 0.0 | 39.86  | 2.445 | 0.0 | 48.101 | 3.425 | 0.0 | 41.367 | 2.164 | 0.0 | 44.438 | 2.743 | 0.0 | 41.257 | 2.317 | 0.0 | 43.709 | 2.802 |
| 44 | 12573 | 12574 | NS | 1 | 0.0 | 49.765 | 1.694 | 0.0 | 49.653 | 1.881 | 0.0 | 41.392 | 1.654 | 0.0 | 41.664 | 2.092 | 0.0 | 50.247 | 1.708 | 0.0 | 49.021 | 1.77  | 0.0 | 39.952 | 1.625 | 0.0 | 40.744 | 1.883 |
| 45 | 12573 | 12574 | NS | 1 | 0.0 | 49.464 | 1.634 | 0.0 | 46.3   | 1.868 | 0.0 | 37.937 | 1.747 | 0.0 | 40.901 | 2.19  | 0.0 | 49.398 | 1.631 | 0.0 | 47.136 | 1.712 | 0.0 | 38.584 | 1.69  | 0.0 | 39.222 | 1.926 |
| 46 | 12574 | 12575 | SN | 1 | 0.0 | 47.646 | 4.288 | 0.0 | 51.701 | 4.555 | 0.0 | 46.065 | 3.581 | 0.0 | 47.511 | 4.552 | 0.0 | 48.44  | 4.234 | 0.0 | 51.697 | 4.319 | 0.0 | 44.712 | 3.482 | 0.0 | 45.624 | 3.891 |
| 47 | 12574 | 12575 | NS | 1 | 0.0 | 55.24  | 5.537 | 0.0 | 48.201 | 7.471 | 0.0 | 47.722 | 4.938 | 0.0 | 45.456 | 6.556 | 0.0 | 55.711 | 5.517 | 0.0 | 48.15  | 7.139 | 0.0 | 47.572 | 4.831 | 0.0 | 48.092 | 5.894 |
| 48 | 12574 | 12575 | NS | 1 | 0.0 | 54.855 | 5.497 | 0.0 | 48.209 | 7.481 | 0.0 | 47.722 | 4.895 | 0.0 | 45.51  | 6.549 | 0.0 | 55.326 | 5.477 | 0.0 | 48.158 | 7.118 | 0.0 | 47.572 | 4.809 | 0.0 | 48.147 | 5.902 |
| 49 | 12574 | 12575 | SN | 1 | 0.0 | 39.367 | 1.051 | 0.0 | 51.659 | 1.262 | 0.0 | 37.427 | 0.969 | 0.0 | 44.204 | 1.413 | 0.0 | 40.222 | 1.068 | 0.0 | 51.753 | 1.151 | 0.0 | 37.318 | 0.952 | 0.0 | 42.683 | 1.151 |
| 50 | 12574 | 12575 | SN | 1 | 0.0 | 38.737 | 1.032 | 0.0 | 53.344 | 1.257 | 0.0 | 38.367 | 0.997 | 0.0 | 43.446 | 1.413 | 0.0 | 37.288 | 1.058 | 0.0 | 53.438 | 1.141 | 0.0 | 37.075 | 0.95  | 0.0 | 41.924 | 1.157 |
| 51 | 12574 | 12575 | NS | 1 | 0.0 | 48.611 | 1.495 | 0.0 | 44.903 | 2.128 | 0.0 | 41.297 | 1.493 | 0.0 | 41.172 | 2.106 | 0.0 | 46.718 | 1.484 | 0.0 | 43.658 | 1.949 | 0.0 | 41.613 | 1.393 | 0.0 | 37.416 | 1.78  |
| 52 | 12574 | 12575 | NS | 1 | 0.0 | 48.611 | 1.486 | 0.0 | 45.352 | 2.112 | 0.0 | 43.659 | 1.489 | 0.0 | 41.172 | 2.1   | 0.0 | 46.718 | 1.486 | 0.0 | 43.658 | 1.936 | 0.0 | 41.731 | 1.395 | 0.0 | 40.05  | 1.787 |
| 53 | 12574 | 12575 | SN | 1 | 0.0 | 47.807 | 4.341 | 0.0 | 52.415 | 4.587 | 0.0 | 50.024 | 3.633 | 0.0 | 48.269 | 4.46  | 0.0 | 47.647 | 4.266 | 0.0 | 52.405 | 4.33  | 0.0 | 51.287 | 3.43  | 0.0 | 46.383 | 3.921 |
| 54 | 12576 | 12577 | NS | 1 | 0.0 | 44.363 | 0.682 | 0.0 | 54.781 | 1.088 | 0.0 | 38.393 | 0.601 | 0.0 | 42.922 | 1.163 | 0.0 | 43.565 | 0.675 | 0.0 | 55.125 | 1.031 | 0.0 | 41.01  | 0.586 | 0.0 | 42.652 | 0.939 |
| 55 | 12576 | 12577 | NS | 1 | 0.0 | 46.039 | 2.315 | 0.0 | 50.435 | 2.965 | 0.0 | 39.351 | 2.281 | 0.0 | 41.931 | 3.635 | 0.0 | 46.495 | 2.386 | 0.0 | 50.152 | 2.763 | 0.0 | 40.126 | 2.153 | 0.0 | 41.971 | 3.116 |
| 56 | 12577 | 12578 | SN | 1 | 0.0 | 45.553 | 7.926 | 0.0 | 48.324 | 8.323 | 0.0 | 46.271 | 5.726 | 0.0 | 41.842 | 6.865 | 0.0 | 44.757 | 8.268 | 0.0 | 49.597 | 8.162 | 0.0 | 44.848 | 6.03  | 0.0 | 42.422 | 7.036 |
| 57 | 12577 | 12578 | SN | 1 | 0.0 | 44.159 | 2.144 | 0.0 | 44.701 | 2.576 | 0.0 | 45.293 | 1.81  | 0.0 | 38.72  | 2.306 | 0.0 | 44.864 | 2.178 | 0.0 | 46.56  | 2.515 | 0.0 | 44.366 | 1.826 | 0.0 | 39.631 | 2.356 |
| 58 | 12578 | 12579 | SN | 1 | 0.0 | 28.81  | 0.85  | 0.0 | 25.775 | 1.401 | 0.0 | 38.171 | 0.593 | 0.0 | 41.74  | 0.956 | 0.0 | 27.873 | 0.779 | 0.0 | 25.435 | 1.261 | 0.0 | 35.679 | 0.508 | 0.0 | 38.851 | 0.731 |
| 59 | 12578 | 12579 | NS | 1 | 0.0 | 51.503 | 3.087 | 0.0 | 46.764 | 4.349 | 0.0 | 44.917 | 3.451 | 0.0 | 43.107 | 4.144 | 0.0 | 52.278 | 3.097 | 0.0 | 48.844 | 3.897 | 0.0 | 45.179 | 3.273 | 0.0 | 42.938 | 3.761 |
| 60 | 12578 | 12579 | NS | 1 | 0.0 | 51.43  | 1.008 | 0.0 | 42.216 | 1.377 | 0.0 | 42.204 | 1.169 | 0.0 | 37.886 | 1.495 | 0.0 | 50.731 | 1.017 | 0.0 | 40.167 | 1.271 | 0.0 | 41.864 | 1.128 | 0.0 | 35.769 | 1.188 |
| 61 | 12578 | 12579 | SN | 1 | 0.0 | 28.545 | 0.213 | 0.0 | 31.512 | 0.455 | 0.0 | 38.571 | 0.19  | 0.0 | 31.157 | 0.292 | 0.0 | 27.305 | 0.193 | 0.0 | 29.075 | 0.393 | 0.0 | 37.675 | 0.152 | 0.0 | 31.161 | 0.206 |
| 62 | 12579 | 12580 | SN | 1 | 0.0 | 40.892 | 2.223 | 0.0 | 47.069 | 3.086 | 0.0 | 40.901 | 2.64  | 0.0 | 48.287 | 3.841 | 0.0 | 40.542 | 2.166 | 0.0 | 46.551 | 2.686 | 0.0 | 41.529 | 2.497 | 0.0 | 43.83  | 3.003 |
| 63 | 12579 | 12580 | NS | 1 | 0.0 | 47.29  | 3.17  | 0.0 | 42.621 | 2.164 | 0.0 | 41.173 | 2.63  | 0.0 | 43.053 | 2.843 | 0.0 | 48.721 | 3.185 | 0.0 | 41.419 | 1.852 | 0.0 | 39.906 | 2.499 | 0.0 | 43.066 | 2.12  |
| 64 | 12579 | 12580 | SN | 1 | 0.0 | 41.347 | 0.575 | 0.0 | 48.701 | 0.813 | 0.0 | 44.571 | 0.639 | 0.0 | 39.501 | 1.055 | 0.0 | 40.453 | 0.603 | 0.0 | 48.546 | 0.706 | 0.0 | 47.102 | 0.541 | 0.0 | 38.308 | 0.772 |
| 65 | 12579 | 12580 | NS | 1 | 0.0 | 48.845 | 0.958 | 0.0 | 37.682 | 0.778 | 0.0 | 37.089 | 0.785 | 0.0 | 37.057 | 0.898 | 0.0 | 47.218 | 0.943 | 0.0 | 38.207 | 0.65  | 0.0 | 35.41  | 0.666 | 0.0 | 34.048 | 0.672 |
| 66 | 12580 | 12581 | SN | 1 | 0.0 | 50.098 | 3.132 | 0.0 | 54.631 | 4.636 | 0.0 | 48.144 | 3.555 | 0.0 | 49.026 | 4.564 | 0.0 | 50.47  | 3.132 | 0.0 | 58.661 | 4.352 | 0.0 | 49.781 | 3.569 | 0.0 | 47.877 | 4.039 |
| 67 | 12580 | 12581 | NS | 1 | 0.0 | 42.318 | 0.65  | 0.0 | 45.223 | 0.911 | 0.0 | 41.344 | 0.991 | 0.0 | 41.931 | 1.325 | 0.0 | 40.825 | 0.627 | 0.0 | 43.667 | 0.824 | 0.0 | 40.939 | 0.962 | 0.0 | 40.359 | 1.036 |

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

■ Normal      ■ Deviations  
■ Alarming      ■ High Errors

|    |       |       |    |   |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 68 | 12580 | 12581 | NS | 1 | 0.0 | 41.693 | 1.795 | 0.0 | 47.102 | 2.287 | 0.0 | 43.427 | 2.955 | 0.0 | 47.163 | 3.442 | 0.0 | 43.649 | 1.805 | 0.0 | 47.605 | 2.015 | 0.0 | 44.616 | 2.876 | 0.0 | 44.453 | 2.882 |
| 69 | 12580 | 12581 | SN | 1 | 0.0 | 41.105 | 0.903 | 0.0 | 39.783 | 1.476 | 0.0 | 42.544 | 1.144 | 0.0 | 41.28  | 1.518 | 0.0 | 40.257 | 0.9   | 0.0 | 39.225 | 1.373 | 0.0 | 42.749 | 1.089 | 0.0 | 41.492 | 1.366 |
| 70 | 12580 | 12581 | NS | 1 | 0.0 | 41.693 | 1.795 | 0.0 | 47.102 | 2.287 | 0.0 | 43.492 | 2.962 | 0.0 | 47.163 | 3.442 | 0.0 | 43.649 | 1.805 | 0.0 | 47.605 | 2.015 | 0.0 | 44.681 | 2.876 | 0.0 | 44.453 | 2.882 |
| 71 | 12580 | 12581 | NS | 1 | 0.0 | 42.267 | 0.65  | 0.0 | 45.223 | 0.911 | 0.0 | 41.344 | 0.992 | 0.0 | 41.931 | 1.325 | 0.0 | 40.775 | 0.627 | 0.0 | 43.667 | 0.824 | 0.0 | 40.969 | 0.964 | 0.0 | 40.359 | 1.036 |
| 72 | 12581 | 12582 | NS | 1 | 0.0 | 41.152 | 0.649 | 0.0 | 43.126 | 1.134 | 0.0 | 39.473 | 0.862 | 0.0 | 39.722 | 1.376 | 0.0 | 41.018 | 0.634 | 0.0 | 45.463 | 1.022 | 0.0 | 41.667 | 0.807 | 0.0 | 35.738 | 1.159 |
| 73 | 12581 | 12582 | SN | 1 | 0.0 | 44.656 | 1.177 | 0.0 | 40.456 | 1.675 | 0.0 | 36.628 | 1.463 | 0.0 | 36.933 | 2.198 | 0.0 | 44.849 | 1.155 | 0.0 | 40.518 | 1.562 | 0.0 | 36.196 | 1.428 | 0.0 | 38.58  | 2.009 |
| 74 | 12581 | 12582 | NS | 1 | 0.0 | 41.152 | 0.57  | 0.0 | 43.126 | 1.041 | 0.0 | 40.599 | 0.791 | 0.0 | 39.722 | 1.256 | 0.0 | 41.018 | 0.561 | 0.0 | 45.463 | 0.928 | 0.0 | 40.689 | 0.759 | 0.0 | 36.507 | 1.042 |
| 75 | 12581 | 12582 | SN | 1 | 0.0 | 38.322 | 4.737 | 0.0 | 42.598 | 5.435 | 0.0 | 39.328 | 4.773 | 0.0 | 47.211 | 5.906 | 0.0 | 38.395 | 4.757 | 0.0 | 41.207 | 5.385 | 0.0 | 37.915 | 4.659 | 0.0 | 48.894 | 5.6   |
| 76 | 12581 | 12582 | NS | 1 | 0.0 | 46.77  | 1.906 | 0.0 | 52.714 | 3.168 | 0.0 | 37.386 | 2.749 | 0.0 | 41.757 | 3.633 | 0.0 | 46.825 | 1.855 | 0.0 | 51.48  | 2.875 | 0.0 | 35.895 | 2.514 | 0.0 | 41.186 | 3.047 |
| 77 | 12582 | 12583 | SN | 1 | 0.0 | 36.183 | 0.11  | 0.0 | 30.516 | 0.176 | 0.0 | 33.627 | 0.176 | 0.0 | 41.798 | 0.474 | 0.0 | 36.133 | 0.11  | 0.0 | 29.514 | 0.138 | 0.0 | 30.897 | 0.194 | 0.0 | 40.524 | 0.288 |
| 78 | 12582 | 12583 | NS | 1 | 0.0 | 45.18  | 1.916 | 0.0 | 44.628 | 3.16  | 0.0 | 40.87  | 2.319 | 0.0 | 46.379 | 3.176 | 0.0 | 45.152 | 1.821 | 0.0 | 42.01  | 2.898 | 0.0 | 41.382 | 2.177 | 0.0 | 48.428 | 2.658 |
| 79 | 12582 | 12583 | SN | 1 | 0.0 | 30.307 | 0.389 | 0.0 | 31.717 | 0.525 | 0.0 | 32.665 | 0.473 | 0.0 | 33.149 | 1.356 | 0.0 | 30.263 | 0.422 | 0.0 | 30.003 | 0.402 | 0.0 | 30.402 | 0.452 | 0.0 | 34.365 | 0.668 |
| 80 | 12582 | 12583 | NS | 1 | 0.0 | 39.459 | 0.502 | 0.0 | 39.53  | 0.782 | 0.0 | 45.349 | 0.65  | 0.0 | 47.103 | 1.014 | 0.0 | 40.002 | 0.494 | 0.0 | 37.905 | 0.67  | 0.0 | 44.446 | 0.618 | 0.0 | 47.712 | 0.742 |

|                          |            |      |        |        |            |
|--------------------------|------------|------|--------|--------|------------|
| 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     | 12568       | 12569     | SN   | 1    | 0.0           | 30.873  | 12.295     | 0.0        | 24.586  | 12.395     | 0.0       | 145.386 | 9.806      | 0.0        | 76.19   | 12.667     | 0.0             | 1.409 | 0.0        | 1.786      | 0.0 | 0.0        | 1.838     | 0.0 | 0.0        | 2.141      | 0.0 |            |
| 2     | 12568       | 12569     | SN   | 1    | 0.0           | 23.257  | 5.989      | 0.0        | 25.507  | 7.5        | 0.0       | 135.697 | 2.911      | 0.0        | 249.143 | 3.981      | 0.0             | 1.397 | 0.0        | 1.78       | 0.0 | 0.0        | 1.835     | 0.0 | 0.0        | 2.134      | 0.0 |            |
| 3     | 12568       | 12569     | SN   | 1    | 0.0           | 23.257  | 6.039      | 0.0        | 25.507  | 7.68       | 0.0       | 135.697 | 2.921      | 0.0        | 249.143 | 4.212      | 0.0             | 1.397 | 0.0        | 1.782      | 0.0 | 0.0        | 1.835     | 0.0 | 0.0        | 2.138      | 0.0 |            |
| 4     | 12568       | 12569     | SN   | 1    | 0.0           | 30.873  | 12.493     | 0.0        | 24.536  | 11.88      | 0.0       | 145.386 | 9.847      | 0.0        | 73.59   | 11.853     | 0.0             | 1.409 | 0.0        | 1.783      | 0.0 | 0.0        | 1.817     | 0.0 | 0.0        | 2.139      | 0.0 |            |
| 5     | 12569       | 12570     | SN   | 1    | 0.0           | 32.197  | 12.292     | 0.0        | 24.586  | 12.334     | 0.0       | 145.828 | 9.732      | 0.0        | 195.024 | 12.523     | 0.0             | 1.406 | 0.0        | 1.785      | 0.0 | 0.0        | 1.815     | 0.0 | 0.0        | 2.142      | 0.0 |            |
| 6     | 12569       | 12570     | SN   | 1    | 0.0           | 23.935  | 5.994      | 0.0        | 25.501  | 7.582      | 0.0       | 130.54  | 2.645      | 0.0        | 179.378 | 3.81       | 0.0             | 1.397 | 0.0        | 1.781      | 0.0 | 0.0        | 1.834     | 0.0 | 0.0        | 2.138      | 0.0 |            |
| 7     | 12569       | 12570     | SN   | 1    | 0.0           | 23.935  | 6.011      | 0.0        | 25.501  | 7.627      | 0.0       | 130.54  | 2.654      | 0.0        | 179.378 | 3.887      | 0.0             | 1.397 | 0.0        | 1.782      | 0.0 | 0.0        | 1.835     | 0.0 | 0.0        | 2.138      | 0.0 |            |
| 8     | 12569       | 12570     | SN   | 1    | 0.0           | 23.935  | 6.011      | 0.0        | 25.501  | 7.627      | 0.0       | 130.54  | 2.652      | 0.0        | 179.378 | 3.887      | 0.0             | 1.397 | 0.0        | 1.782      | 0.0 | 0.0        | 1.835     | 0.0 | 0.0        | 2.138      | 0.0 |            |
| 9     | 12569       | 12570     | NS   | 1    | 0.0           | 162.433 | 5.463      | 0.0        | 24.525  | 7.201      | 0.0       | 136.35  | 3.002      | 0.0        | 64.719  | 3.464      | 0.0             | 1.441 | 0.0        | 1.811      | 0.0 | 0.0        | 1.893     | 0.0 | 0.0        | 2.171      | 0.0 |            |
| 10    | 12569       | 12570     | SN   | 1    | 0.0           | 32.197  | 12.351     | 0.0        | 24.586  | 12.122     | 0.0       | 145.828 | 9.752      | 0.0        | 195.024 | 12.251     | 0.0             | 1.406 | 0.0        | 1.785      | 0.0 | 0.0        | 1.815     | 0.0 | 0.0        | 2.142      | 0.0 |            |
| 11    | 12569       | 12570     | NS   | 1    | 0.0           | 148.748 | 9.541      | 0.0        | 36.851  | 14.405     | 0.0       | 355.207 | 10.287     | 0.0        | 33.493  | 12.018     | 0.0             | 1.42  | 0.0        | 1.815      | 0.0 | 0.0        | 1.885     | 0.0 | 0.0        | 2.171      | 0.0 |            |
| 12    | 12569       | 12570     | SN   | 1    | 0.0           | 32.197  | 12.292     | 0.0        | 24.586  | 12.334     | 0.0       | 145.828 | 9.725      | 0.0        | 195.024 | 12.516     | 0.0             | 1.406 | 0.0        | 1.785      | 0.0 | 0.0        | 1.815     | 0.0 | 0.0        | 2.142      | 0.0 |            |
| 13    | 12570       | 12571     | SN   | 1    | 0.0           | 23.301  | 6.045      | 0.0        | 25.507  | 7.641      | 0.0       | 127.634 | 2.901      | 0.0        | 277.57  | 4.032      | 0.0             | 1.399 | 0.0        | 1.784      | 0.0 | 0.0        | 1.837     | 0.0 | 0.0        | 2.137      | 0.0 |            |
| 14    | 12570       | 12571     | NS   | 1    | 0.0           | 271.55  | 5.454      | 0.0        | 24.52   | 7.124      | 0.0       | 356.481 | 2.902      | 0.0        | 48.637  | 3.38       | 0.0             | 1.432 | 0.0        | 1.811      | 0.0 | 0.0        | 1.891     | 0.0 | 0.0        | 2.172      | 0.0 |            |
| 15    | 12570       | 12571     | NS   | 1    | 0.0           | 160.07  | 5.454      | 0.0        | 24.525  | 7.129      | 0.0       | 356.481 | 2.908      | 0.0        | 48.642  | 3.384      | 0.0             | 1.423 | 0.0        | 1.811      | 0.0 | 0.0        | 1.891     | 0.0 | 0.0        | 2.172      | 0.0 |            |
| 16    | 12570       | 12571     | SN   | 1    | 0.0           | 23.301  | 6.06       | 0.0        | 25.507  | 7.677      | 0.0       | 127.634 | 2.912      | 0.0        | 277.57  | 4.105      | 0.0             | 1.399 | 0.0        | 1.784      | 0.0 | 0.0        | 1.838     | 0.0 | 0.0        | 2.138      | 0.0 |            |
| 17    | 12570       | 12571     | NS   | 1    | 0.0           | 40.764  | 9.411      | 0.0        | 32.958  | 14.159     | 0.0       | 350.255 | 10.053     | 0.0        | 34.309  | 11.866     | 0.0             | 1.422 | 0.0        | 1.813      | 0.0 | 0.0        | 1.884     | 0.0 | 0.0        | 2.171      | 0.0 |            |
| 18    | 12570       | 12571     | NS   | 1    | 0.0           | 40.759  | 9.401      | 0.0        | 32.952  | 14.139     | 0.0       | 350.255 | 10.053     | 0.0        | 34.314  | 11.859     | 0.0             | 1.422 | 0.0        | 1.813      | 0.0 | 0.0        | 1.895     | 0.0 | 0.0        | 2.172      | 0.0 |            |
| 19    | 12570       | 12571     | SN   | 1    | 0.0           | 32.235  | 12.238     | 0.0        | 24.586  | 12.258     | 0.0       | 138.708 | 9.918      | 0.0        | 143.625 | 12.372     | 0.0             | 1.406 | 0.0        | 1.787      | 0.0 | 0.0        | 1.84      | 0.0 | 0.0        | 2.141      | 0.0 |            |
| 20    | 12570       | 12571     | SN   | 1    | 0.0           | 32.235  | 12.18      | 0.0        | 24.586  | 12.429     | 0.0       | 138.708 | 9.907      | 0.0        | 143.625 | 12.582     | 0.0             | 1.406 | 0.0        | 1.787      | 0.0 | 0.0        | 1.84      | 0.0 | 0.0        | 2.141      | 0.0 |            |
| 21    | 12571       | 12572     | SN   | 1    | 0.0           | 23.29   | 6.097      | 0.0        | 25.507  | 7.65       | 0.0       | 116.185 | 2.926      | 0.0        | 75.01   | 4.192      | 0.0             | 1.4   | 0.0        | 1.782      | 0.0 | 0.0        | 1.835     | 0.0 | 0.0        | 2.138      | 0.0 |            |
| 22    | 12571       | 12572     | NS   | 1    | 0.0           | 25.546  | 5.441      | 0.0        | 24.525  | 7.207      | 0.0       | 216.93  | 2.982      | 0.0        | 49.459  | 3.435      | 0.0             | 1.437 | 0.0        | 1.811      | 0.0 | 0.0        | 1.89      | 0.0 | 0.0        | 2.172      | 0.0 |            |
| 23    | 12571       | 12572     | NS   | 1    | 0.0           | 23.229  | 9.478      | 0.0        | 32.958  | 14.217     | 0.0       | 228.131 | 10.107     | 0.0        | 34.998  | 11.992     | 0.0             | 1.42  | 0.0        | 1.813      | 0.0 | 0.0        | 1.883     | 0.0 | 0.0        | 2.172      | 0.0 |            |
| 24    | 12571       | 12572     | SN   | 1    | 0.0           | 23.29   | 6.097      | 0.0        | 25.507  | 7.65       | 0.0       | 116.185 | 2.926      | 0.0        | 75.01   | 4.192      | 0.0             | 1.4   | 0.0        | 1.782      | 0.0 | 0.0        | 1.835     | 0.0 | 0.0        | 2.138      | 0.0 |            |
| 25    | 12571       | 12572     | SN   | 1    | 0.0           | 23.29   | 6.074      | 0.0        | 25.507  | 7.587      | 0.0       | 116.185 | 2.911      | 0.0        | 16.203  | 4.083      | 0.0             | 1.4   | 0.0        | 1.782      | 0.0 | 0.0        | 1.835     | 0.0 | 0.0        | 2.136      | 0.0 |            |
| 26    | 12571       | 12572     | SN   | 1    | 0.0           | 32.362  | 12.237     | 0.0        | 279.442 | 12.187     | 0.0       | 135.708 | 10.12      | 0.0        | 21.497  | 12.252     | 0.0             | 1.405 | 0.0        | 1.787      | 0.0 | 0.0        | 1.827     | 0.0 | 0.0        | 2.141      | 0.0 |            |
| 27    | 12571       | 12572     | SN   | 1    | 0.0           | 32.362  | 12.169     | 0.0        | 279.442 | 12.446     | 0.0       | 135.708 | 10.064     | 0.0        | 68.474  | 12.624     | 0.0             | 1.405 | 0.0        | 1.787      | 0.0 | 0.0        | 1.827     | 0.0 | 0.0        | 2.141      | 0.0 |            |
| 28    | 12572       | 12573     | NS   | 1    | 0.0           | 25.556  | 5.474      | 0.0        | 24.525  | 7.254      | 0.0       | 247.171 | 2.997      | 0.0        | 49.343  | 3.416      | 0.0             | 1.438 | 0.0        | 1.81       | 0.0 | 0.0        | 1.885     | 0.0 | 0.0        | 2.17       | 0.0 |            |
| 29    | 12572       | 12573     | SN   | 1    | 0.0           | 32.301  | 12.375     | 0.0        | 24.586  | 11.968     | 0.0       | 138.476 | 10.136     | 0.0        | 40.996  | 11.95      | 0.0             | 1.41  | 0.0        | 1.788      | 0.0 | 0.0        | 1.834     | 0.0 | 0.0        | 2.141      | 0.0 |            |
| 30    | 12572       | 12573     | SN   | 1    | 0.0           | 32.301  | 12.263     | 0.0        | 37.428  | 12.352     | 0.0       | 138.476 | 10.111     | 0.0        | 70.222  | 12.504     | 0.0             | 1.41  | 0.0        | 1.788      | 0.0 | 0.0        | 1.835     | 0.0 | 0.0        | 2.141      | 0.0 |            |
| 31    | 12572       | 12573     | SN   | 1    | 0.0           | 32.301  | 12.263     | 0.0        | 37.428  | 12.352     | 0.0       | 138.476 | 10.111     | 0.0        | 70.222  | 12.504     | 0.0             | 1.41  | 0.0        | 1.788      | 0.0 | 0.0        | 1.835     | 0.0 | 0.0        | 2.141      | 0.0 |            |

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

|    |       |       |    |   |     |         |        |     |         |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 32 | 12572 | 12573 | NS | 1 | 0.0 | 148.787 | 9.618  | 0.0 | 32.974  | 14.271 | 0.0 | 355.152 | 10.079 | 0.0 | 36.829  | 11.933 | 0.0 | 1.412 | 0.0 | 0.0 | 1.812 | 0.0 | 0.0 | 1.879 | 0.0 | 0.0 | 2.17  | 0.0 |
| 33 | 12572 | 12573 | NS | 1 | 0.0 | 148.787 | 9.628  | 0.0 | 32.974  | 14.271 | 0.0 | 355.152 | 10.093 | 0.0 | 36.835  | 11.94  | 0.0 | 1.412 | 0.0 | 0.0 | 1.812 | 0.0 | 0.0 | 1.879 | 0.0 | 0.0 | 2.17  | 0.0 |
| 34 | 12572 | 12573 | SN | 1 | 0.0 | 24.746  | 6.013  | 0.0 | 25.496  | 7.565  | 0.0 | 143.191 | 2.974  | 0.0 | 87.65   | 3.978  | 0.0 | 1.398 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.136 | 0.0 |
| 35 | 12572 | 12573 | SN | 1 | 0.0 | 24.746  | 6.04   | 0.0 | 78.145  | 7.679  | 0.0 | 143.191 | 2.973  | 0.0 | 87.65   | 4.134  | 0.0 | 1.398 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.14  | 0.0 |
| 36 | 12572 | 12573 | SN | 1 | 0.0 | 24.746  | 6.04   | 0.0 | 78.145  | 7.679  | 0.0 | 143.191 | 2.973  | 0.0 | 87.65   | 4.136  | 0.0 | 1.398 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.14  | 0.0 |
| 37 | 12572 | 12573 | NS | 1 | 0.0 | 25.556  | 5.474  | 0.0 | 24.525  | 7.25   | 0.0 | 247.182 | 2.995  | 0.0 | 49.337  | 3.414  | 0.0 | 1.438 | 0.0 | 0.0 | 1.81  | 0.0 | 0.0 | 1.885 | 0.0 | 0.0 | 2.171 | 0.0 |
| 38 | 12573 | 12574 | SN | 1 | 0.0 | 23.279  | 6.078  | 0.0 | 122.24  | 7.736  | 0.0 | 126.917 | 2.919  | 0.0 | 245.718 | 4.175  | 0.0 | 1.396 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.14  | 0.0 |
| 39 | 12573 | 12574 | NS | 1 | 0.0 | 92.109  | 9.562  | 0.0 | 36.173  | 14.401 | 0.0 | 253.549 | 10.048 | 0.0 | 71.348  | 11.966 | 0.0 | 1.424 | 0.0 | 0.0 | 1.814 | 0.0 | 0.0 | 1.883 | 0.0 | 0.0 | 2.169 | 0.0 |
| 40 | 12573 | 12574 | SN | 1 | 0.0 | 32.18   | 12.419 | 0.0 | 122.265 | 11.956 | 0.0 | 134.108 | 10.202 | 0.0 | 45.992  | 11.856 | 0.0 | 1.407 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.144 | 0.0 |
| 41 | 12573 | 12574 | SN | 1 | 0.0 | 23.279  | 6.034  | 0.0 | 122.24  | 7.56   | 0.0 | 126.917 | 2.917  | 0.0 | 245.718 | 3.955  | 0.0 | 1.396 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.14  | 0.0 |
| 42 | 12573 | 12574 | NS | 1 | 0.0 | 92.015  | 9.647  | 0.0 | 32.98   | 14.201 | 0.0 | 355.274 | 10.001 | 0.0 | 37.816  | 11.933 | 0.0 | 1.413 | 0.0 | 0.0 | 1.809 | 0.0 | 0.0 | 1.88  | 0.0 | 0.0 | 2.167 | 0.0 |
| 43 | 12573 | 12574 | SN | 1 | 0.0 | 32.18   | 12.248 | 0.0 | 122.265 | 12.476 | 0.0 | 134.108 | 10.155 | 0.0 | 75.385  | 12.654 | 0.0 | 1.407 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.144 | 0.0 |
| 44 | 12573 | 12574 | NS | 1 | 0.0 | 218.896 | 5.441  | 0.0 | 24.52   | 7.201  | 0.0 | 343.731 | 2.959  | 0.0 | 50.843  | 3.384  | 0.0 | 1.441 | 0.0 | 0.0 | 1.81  | 0.0 | 0.0 | 1.881 | 0.0 | 0.0 | 2.169 | 0.0 |
| 45 | 12573 | 12574 | NS | 1 | 0.0 | 68.383  | 5.44   | 0.0 | 24.525  | 7.21   | 0.0 | 352.853 | 2.963  | 0.0 | 49.778  | 3.371  | 0.0 | 1.421 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 1.89  | 0.0 | 0.0 | 2.17  | 0.0 |
| 46 | 12574 | 12575 | SN | 1 | 0.0 | 32.031  | 12.618 | 0.0 | 24.465  | 11.732 | 0.0 | 143.969 | 10.175 | 0.0 | 15.701  | 11.687 | 0.0 | 1.406 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.826 | 0.0 | 0.0 | 2.142 | 0.0 |
| 47 | 12574 | 12575 | NS | 1 | 0.0 | 200.435 | 9.571  | 0.0 | 36.289  | 14.448 | 0.0 | 355.092 | 10.096 | 0.0 | 34.005  | 11.91  | 0.0 | 1.423 | 0.0 | 0.0 | 1.814 | 0.0 | 0.0 | 1.881 | 0.0 | 0.0 | 2.17  | 0.0 |
| 48 | 12574 | 12575 | NS | 1 | 0.0 | 162.411 | 9.561  | 0.0 | 32.996  | 14.448 | 0.0 | 355.086 | 10.089 | 0.0 | 32.853  | 11.889 | 0.0 | 1.423 | 0.0 | 0.0 | 1.814 | 0.0 | 0.0 | 1.882 | 0.0 | 0.0 | 2.168 | 0.0 |
| 49 | 12574 | 12575 | SN | 1 | 0.0 | 23.279  | 6.084  | 0.0 | 25.518  | 7.478  | 0.0 | 133.838 | 2.947  | 0.0 | 14.267  | 3.882  | 0.0 | 1.398 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.137 | 0.0 |
| 50 | 12574 | 12575 | SN | 1 | 0.0 | 23.279  | 6.084  | 0.0 | 25.518  | 7.478  | 0.0 | 133.838 | 2.949  | 0.0 | 14.267  | 3.882  | 0.0 | 1.398 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.137 | 0.0 |
| 51 | 12574 | 12575 | NS | 1 | 0.0 | 25.546  | 5.476  | 0.0 | 24.509  | 7.24   | 0.0 | 137.056 | 2.97   | 0.0 | 62.832  | 3.393  | 0.0 | 1.44  | 0.0 | 0.0 | 1.81  | 0.0 | 0.0 | 1.89  | 0.0 | 0.0 | 2.17  | 0.0 |
| 52 | 12574 | 12575 | NS | 1 | 0.0 | 25.546  | 5.476  | 0.0 | 24.509  | 7.242  | 0.0 | 137.089 | 2.986  | 0.0 | 62.799  | 3.405  | 0.0 | 1.44  | 0.0 | 0.0 | 1.81  | 0.0 | 0.0 | 1.882 | 0.0 | 0.0 | 2.17  | 0.0 |
| 53 | 12574 | 12575 | SN | 1 | 0.0 | 32.031  | 12.618 | 0.0 | 24.465  | 11.732 | 0.0 | 143.969 | 10.175 | 0.0 | 15.701  | 11.687 | 0.0 | 1.406 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.826 | 0.0 | 0.0 | 2.142 | 0.0 |
| 54 | 12576 | 12577 | NS | 1 | 0.0 | 25.551  | 5.444  | 0.0 | 24.525  | 7.152  | 0.0 | 355.241 | 2.928  | 0.0 | 49.74   | 3.36   | 0.0 | 1.417 | 0.0 | 0.0 | 1.81  | 0.0 | 0.0 | 1.89  | 0.0 | 0.0 | 2.17  | 0.0 |
| 55 | 12576 | 12577 | NS | 1 | 0.0 | 23.218  | 9.482  | 0.0 | 32.952  | 14.258 | 0.0 | 357.309 | 9.907  | 0.0 | 34.728  | 11.781 | 0.0 | 1.426 | 0.0 | 0.0 | 1.815 | 0.0 | 0.0 | 1.881 | 0.0 | 0.0 | 2.171 | 0.0 |
| 56 | 12577 | 12578 | SN | 1 | 0.0 | 32.263  | 12.508 | 0.0 | 24.586  | 12.47  | 0.0 | 134.037 | 10.098 | 0.0 | 261.43  | 12.739 | 0.0 | 1.406 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.144 | 0.0 |
| 57 | 12577 | 12578 | SN | 1 | 0.0 | 23.273  | 6.092  | 0.0 | 25.501  | 7.661  | 0.0 | 140.401 | 2.915  | 0.0 | 173.257 | 4.178  | 0.0 | 1.399 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.138 | 0.0 |
| 58 | 12578 | 12579 | SN | 1 | 0.0 | 24.316  | 4.816  | 0.0 | 23.77   | 5.812  | 0.0 | 37.469  | 2.288  | 0.0 | 54.334  | 1.18   | 0.0 | 1.326 | 0.0 | 0.0 | 1.681 | 0.0 | 0.0 | 1.794 | 0.0 | 0.0 | 2.032 | 0.0 |
| 59 | 12578 | 12579 | NS | 1 | 0.0 | 89.958  | 9.563  | 0.0 | 36.57   | 14.283 | 0.0 | 148.726 | 10.005 | 0.0 | 67.537  | 11.759 | 0.0 | 1.419 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 1.883 | 0.0 | 0.0 | 2.168 | 0.0 |
| 60 | 12578 | 12579 | NS | 1 | 0.0 | 56.377  | 5.492  | 0.0 | 24.525  | 7.216  | 0.0 | 340.273 | 2.939  | 0.0 | 49.773  | 3.284  | 0.0 | 1.436 | 0.0 | 0.0 | 1.809 | 0.0 | 0.0 | 1.883 | 0.0 | 0.0 | 2.169 | 0.0 |
| 61 | 12578 | 12579 | SN | 1 | 0.0 | 18.569  | 1.973  | 0.0 | 24.459  | 1.614  | 0.0 | 19.964  | 0.697  | 0.0 | 49.144  | 0.292  | 0.0 | 1.363 | 0.0 | 0.0 | 1.711 | 0.0 | 0.0 | 1.812 | 0.0 | 0.0 | 2.024 | 0.0 |
| 62 | 12579 | 12580 | SN | 1 | 0.0 | 31.7    | 12.304 | 0.0 | 24.586  | 12.939 | 0.0 | 126.939 | 10.641 | 0.0 | 73.68   | 13.826 | 0.0 | 1.405 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.827 | 0.0 | 0.0 | 2.142 | 0.0 |
| 63 | 12579 | 12580 | NS | 1 | 0.0 | 266.521 | 8.394  | 0.0 | 36.647  | 14.506 | 0.0 | 172.953 | 7.508  | 0.0 | 72.081  | 10.766 | 0.0 | 1.423 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 1.88  | 0.0 | 0.0 | 2.17  | 0.0 |
| 64 | 12579 | 12580 | SN | 1 | 0.0 | 23.268  | 6.458  | 0.0 | 25.523  | 8.421  | 0.0 | 170.8   | 3.285  | 0.0 | 58.558  | 4.65   | 0.0 | 1.399 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.137 | 0.0 |
| 65 | 12579 | 12580 | NS | 1 | 0.0 | 96.893  | 4.175  | 0.0 | 23.108  | 6.59   | 0.0 | 341.988 | 2.067  | 0.0 | 49.927  | 3.05   | 0.0 | 1.439 | 0.0 | 0.0 | 1.809 | 0.0 | 0.0 | 1.876 | 0.0 | 0.0 | 2.168 | 0.0 |
| 66 | 12580 | 12581 | SN | 1 | 0.0 | 32.086  | 12.356 | 0.0 | 24.591  | 12.477 | 0.0 | 162.014 | 10.118 | 0.0 | 87.898  | 12.613 | 0.0 | 1.403 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.142 | 0.0 |
| 67 | 12580 | 12581 | NS | 1 | 0.0 | 25.545  | 5.452  | 0.0 | 24.525  | 7.108  | 0.0 | 343.885 | 2.861  | 0.0 | 63.334  | 3.346  | 0.0 | 1.442 | 0.0 | 0.0 | 1.809 | 0.0 | 0.0 | 1.882 | 0.0 | 0.0 | 2.169 | 0.0 |
| 68 | 12580 | 12581 | NS | 1 | 0.0 | 125.513 | 9.413  | 0.0 | 36.78   | 14.268 | 0.0 | 355.125 | 9.834  | 0.0 | 75.059  | 11.598 | 0.0 | 1.42  | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 1.88  | 0.0 | 0.0 | 2.169 | 0.0 |

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

|    |       |       |    |   |     |         |        |     |         |        |     |         |        |     |        |        |     |       |     |     |       |     |     |       |     |     |       |     |
|----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|--------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 69 | 12580 | 12581 | SN | 1 | 0.0 | 23.273  | 6.137  | 0.0 | 25.518  | 7.738  | 0.0 | 166.95  | 3.012  | 0.0 | 73.112 | 4.264  | 0.0 | 1.4   | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.84  | 0.0 | 0.0 | 2.138 | 0.0 |
| 70 | 12580 | 12581 | NS | 1 | 0.0 | 125.513 | 9.413  | 0.0 | 36.78   | 14.268 | 0.0 | 355.125 | 9.842  | 0.0 | 75.054 | 11.598 | 0.0 | 1.42  | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 1.88  | 0.0 | 0.0 | 2.169 | 0.0 |
| 71 | 12580 | 12581 | NS | 1 | 0.0 | 25.545  | 5.452  | 0.0 | 24.525  | 7.108  | 0.0 | 343.885 | 2.862  | 0.0 | 63.334 | 3.346  | 0.0 | 1.442 | 0.0 | 0.0 | 1.809 | 0.0 | 0.0 | 1.882 | 0.0 | 0.0 | 2.169 | 0.0 |
| 72 | 12581 | 12582 | NS | 1 | 0.0 | 257.603 | 6.028  | 0.0 | 24.525  | 7.542  | 0.0 | 356.57  | 3.297  | 0.0 | 14.047 | 3.595  | 0.0 | 1.435 | 0.0 | 0.0 | 1.81  | 0.0 | 0.0 | 1.889 | 0.0 | 0.0 | 2.171 | 0.0 |
| 73 | 12581 | 12582 | SN | 1 | 0.0 | 23.279  | 6.113  | 0.0 | 187.551 | 7.739  | 0.0 | 144.625 | 3.023  | 0.0 | 75.953 | 4.233  | 0.0 | 1.4   | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.138 | 0.0 |
| 74 | 12581 | 12582 | NS | 1 | 0.0 | 257.603 | 5.459  | 0.0 | 24.525  | 7.219  | 0.0 | 356.57  | 2.983  | 0.0 | 55.459 | 3.381  | 0.0 | 1.435 | 0.0 | 0.0 | 1.81  | 0.0 | 0.0 | 1.889 | 0.0 | 0.0 | 2.171 | 0.0 |
| 75 | 12581 | 12582 | SN | 1 | 0.0 | 32.136  | 12.344 | 0.0 | 122.254 | 12.423 | 0.0 | 138.035 | 10.225 | 0.0 | 62.695 | 12.653 | 0.0 | 1.403 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.82  | 0.0 | 0.0 | 2.142 | 0.0 |
| 76 | 12581 | 12582 | NS | 1 | 0.0 | 271.258 | 9.609  | 0.0 | 32.908  | 14.232 | 0.0 | 356.57  | 10.07  | 0.0 | 34.127 | 11.951 | 0.0 | 1.423 | 0.0 | 0.0 | 1.814 | 0.0 | 0.0 | 1.88  | 0.0 | 0.0 | 2.171 | 0.0 |
| 77 | 12582 | 12583 | SN | 1 | 0.0 | 21.911  | 4.443  | 0.0 | 25.468  | 5.603  | 0.0 | 14.096  | 1.753  | 0.0 | 15.492 | 2.761  | 0.0 | 1.37  | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.141 | 0.0 |
| 78 | 12582 | 12583 | NS | 1 | 0.0 | 23.218  | 9.876  | 0.0 | 29.742  | 13.731 | 0.0 | 141.827 | 11.854 | 0.0 | 14.3   | 11.878 | 0.0 | 1.415 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 1.882 | 0.0 | 0.0 | 2.171 | 0.0 |
| 79 | 12582 | 12583 | SN | 1 | 0.0 | 27.106  | 6.777  | 0.0 | 22.54   | 7.849  | 0.0 | 14.107  | 5.94   | 0.0 | 15.96  | 8.478  | 0.0 | 1.39  | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.816 | 0.0 | 0.0 | 2.14  | 0.0 |
| 80 | 12582 | 12583 | NS | 1 | 0.0 | 25.551  | 6.381  | 0.0 | 24.525  | 7.809  | 0.0 | 354.298 | 3.515  | 0.0 | 14.047 | 3.841  | 0.0 | 1.424 | 0.0 | 0.0 | 1.81  | 0.0 | 0.0 | 1.889 | 0.0 | 0.0 | 2.171 | 0.0 |

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