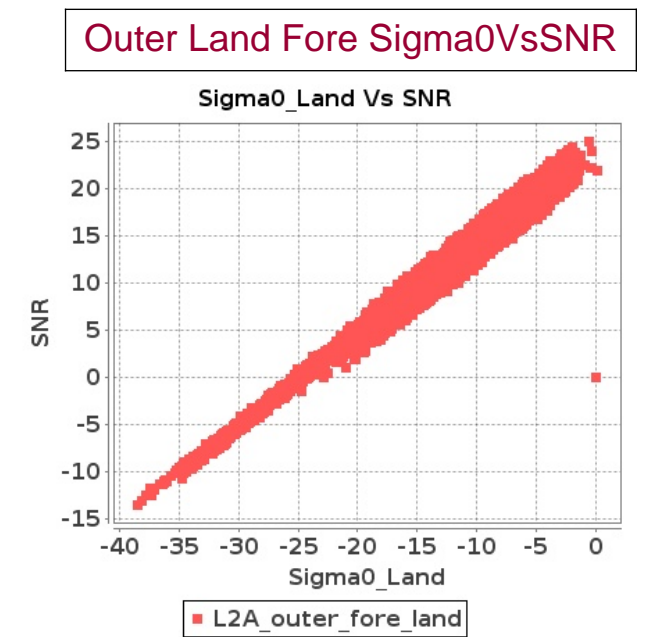
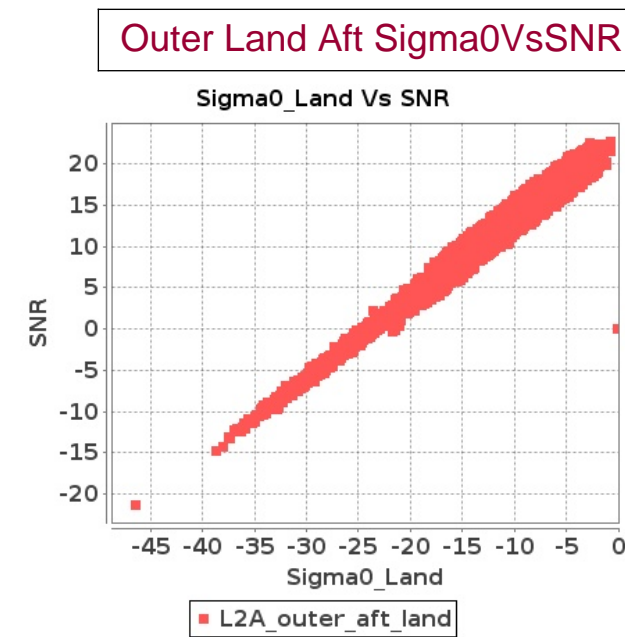
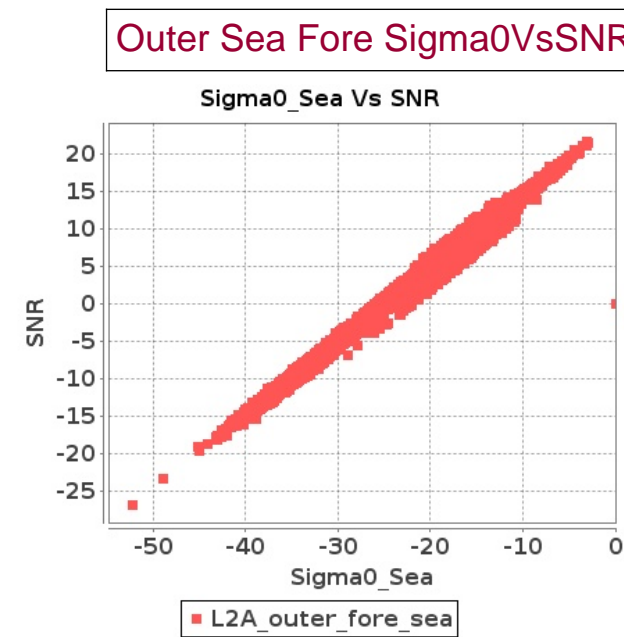
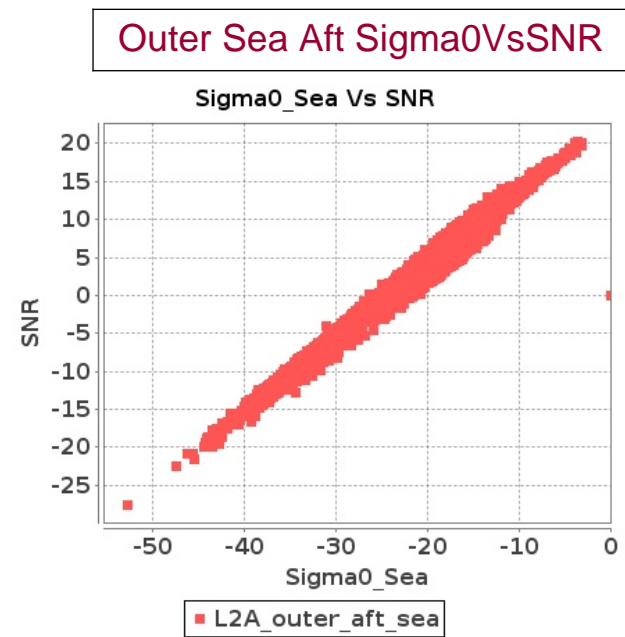
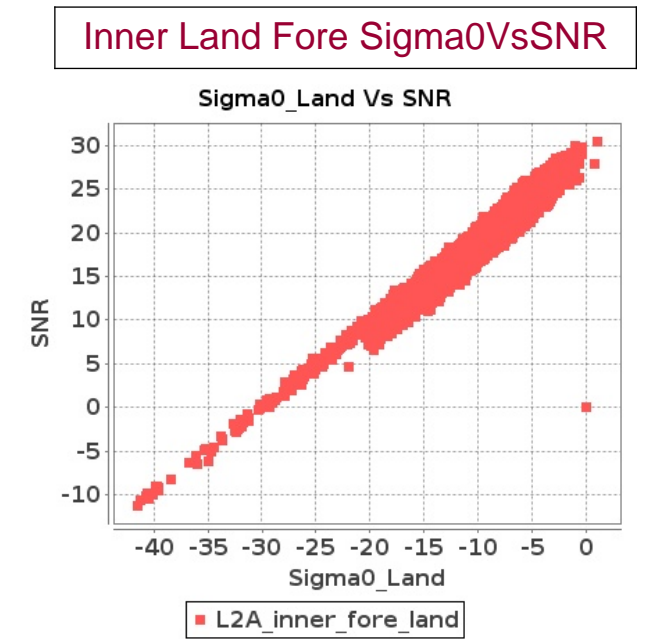
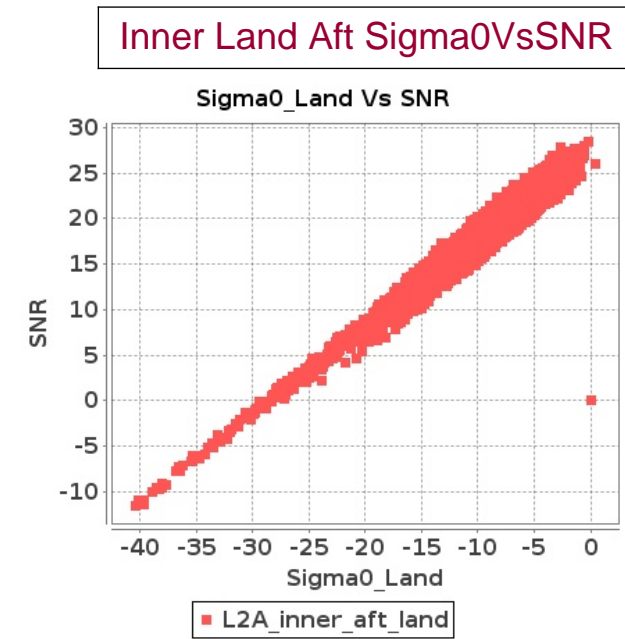
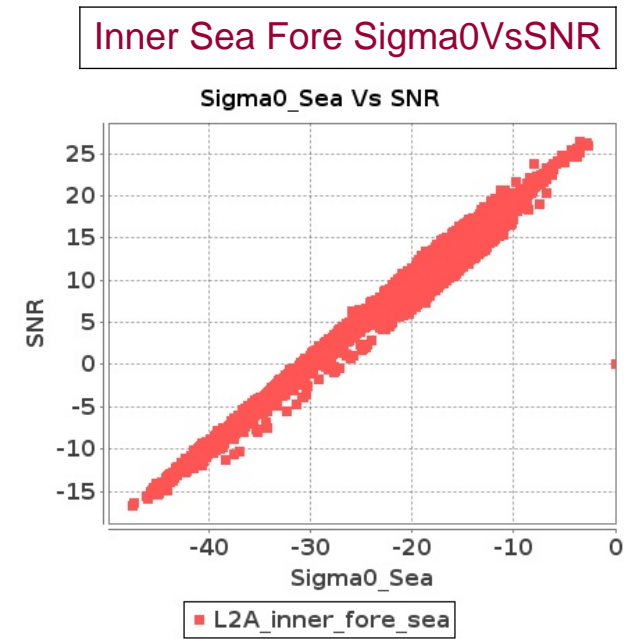
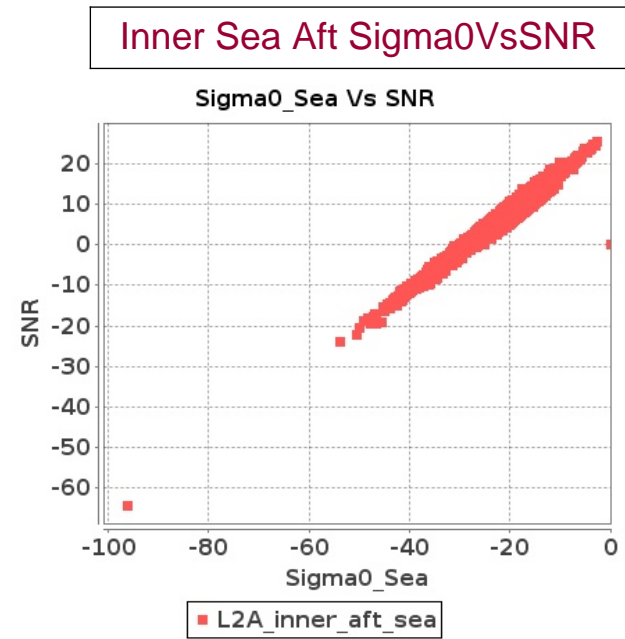


# SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 14-JUL-2017 To 15-JUL-2017



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

Report between 14-JUL-2017 To 15-JUL-2017

| Sr No | Start Orbit | End Orbit | Dir. | Ver. | SNR       |        |            |            |        |            |           |        |            |            |        |            | Sigma0    |        |            |            |        |            |           |        |            |            |        |            |
|-------|-------------|-----------|------|------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|
|       |             |           |      |      | Inner Aft |        |            | Inner Fore |        |            | Outer Aft |        |            | Outer Fore |        |            | Inner Aft |        |            | Inner Fore |        |            | Outer Aft |        |            | Outer Fore |        |            |
|       |             |           |      |      | Min       | Max    | BadOcc (%) | Min        | Max    | BadOcc (%) | Min       | Max    | BadOcc (%) | Min        | Max    | BadOcc (%) | Min       | Max    | BadOcc (%) | Min        | Max    | BadOcc (%) | Min       | Max    | BadOcc (%) | Min        | Max    | BadOcc (%) |
| 1     | 4216        | 4217      | SN   | 1    | 0.0       | 46.328 | 6.172      | 0.0        | 54.369 | 5.384      | 0.0       | 48.211 | 4.409      | 0.0        | 49.798 | 3.798      | 0.0       | 46.472 | 5.37       | 0.0        | 54.035 | 4.791      | 0.0       | 47.998 | 3.786      | 0.0        | 46.93  | 3.513      |
| 2     | 4216        | 4217      | SN   | 1    | 0.0       | 48.034 | 2.049      | 0.0        | 46.967 | 1.673      | 0.0       | 43.881 | 1.323      | 0.0        | 38.957 | 1.077      | 0.0       | 46.945 | 1.727      | 0.0        | 45.288 | 1.501      | 0.0       | 41.121 | 1.082      | 0.0        | 38.785 | 0.911      |
| 3     | 4217        | 4218      | SN   | 1    | 0.0       | 46.888 | 1.986      | 0.0        | 49.43  | 1.747      | 0.0       | 45.163 | 1.357      | 0.0        | 44.009 | 1.286      | 0.0       | 47.422 | 1.648      | 0.0        | 46.021 | 1.395      | 0.0       | 46.673 | 1.143      | 0.0        | 44.867 | 1.079      |
| 4     | 4217        | 4218      | NS   | 1    | 0.0       | 52.729 | 1.771      | 0.0        | 48.57  | 1.349      | 0.0       | 39.585 | 1.104      | 0.0        | 39.175 | 1.149      | 0.0       | 51.554 | 1.459      | 0.0        | 46.092 | 1.146      | 0.0       | 38.751 | 0.954      | 0.0        | 36.793 | 0.953      |
| 5     | 4217        | 4218      | SN   | 1    | 0.0       | 46.888 | 1.954      | 0.0        | 49.43  | 1.72       | 0.0       | 45.163 | 1.339      | 0.0        | 44.009 | 1.267      | 0.0       | 47.422 | 1.621      | 0.0        | 46.021 | 1.374      | 0.0       | 46.673 | 1.126      | 0.0        | 44.867 | 1.061      |
| 6     | 4217        | 4218      | SN   | 1    | 0.0       | 47.603 | 5.762      | 0.0        | 47.812 | 4.712      | 0.0       | 44.425 | 4.558      | 0.0        | 47.518 | 4.012      | 0.0       | 48.959 | 4.87       | 0.0        | 46.825 | 4.158      | 0.0       | 46.992 | 3.885      | 0.0        | 49.127 | 3.72       |
| 7     | 4217        | 4218      | NS   | 1    | 0.0       | 48.104 | 6.346      | 0.0        | 49.792 | 5.184      | 0.0       | 47.549 | 4.16       | 0.0        | 40.757 | 3.546      | 0.0       | 49.046 | 5.381      | 0.0        | 52.548 | 4.27       | 0.0       | 49.538 | 3.591      | 0.0        | 38.882 | 3.076      |
| 8     | 4217        | 4218      | SN   | 1    | 0.0       | 47.603 | 5.856      | 0.0        | 47.812 | 4.783      | 0.0       | 44.425 | 4.618      | 0.0        | 47.518 | 4.067      | 0.0       | 48.959 | 4.95       | 0.0        | 46.825 | 4.221      | 0.0       | 46.992 | 3.941      | 0.0        | 49.127 | 3.77       |
| 9     | 4217        | 4218      | SN   | 1    | 0.0       | 47.603 | 5.762      | 0.0        | 47.812 | 4.765      | 0.0       | 44.425 | 4.558      | 0.0        | 47.518 | 4.049      | 0.0       | 48.959 | 4.87       | 0.0        | 46.825 | 4.205      | 0.0       | 46.992 | 3.885      | 0.0        | 49.127 | 3.761      |
| 10    | 4217        | 4218      | SN   | 1    | 0.0       | 46.888 | 1.954      | 0.0        | 49.43  | 1.739      | 0.0       | 45.163 | 1.339      | 0.0        | 44.009 | 1.281      | 0.0       | 47.422 | 1.621      | 0.0        | 46.021 | 1.39       | 0.0       | 46.673 | 1.126      | 0.0        | 44.867 | 1.072      |
| 11    | 4218        | 4219      | NS   | 1    | 0.0       | 41.976 | 1.637      | 0.0        | 47.92  | 1.257      | 0.0       | 38.653 | 1.132      | 0.0        | 41.863 | 1.202      | 0.0       | 42.566 | 1.411      | 0.0        | 45.069 | 1.008      | 0.0       | 40.589 | 0.995      | 0.0        | 40.474 | 1.049      |
| 12    | 4218        | 4219      | NS   | 1    | 0.0       | 51.2   | 5.552      | 0.0        | 50.949 | 4.37       | 0.0       | 41.815 | 3.883      | 0.0        | 46.254 | 3.81       | 0.0       | 49.906 | 5.039      | 0.0        | 49.292 | 3.737      | 0.0       | 41.937 | 3.463      | 0.0        | 43.445 | 3.197      |
| 13    | 4218        | 4219      | SN   | 1    | 0.0       | 50.785 | 6.195      | 0.0        | 56.625 | 5.618      | 0.0       | 44.605 | 4.425      | 0.0        | 41.074 | 4.814      | 0.0       | 49.056 | 6.042      | 0.0        | 57.193 | 5.322      | 0.0       | 45.48  | 4.476      | 0.0        | 40.741 | 4.475      |
| 14    | 4218        | 4219      | SN   | 1    | 0.0       | 50.785 | 6.187      | 0.0        | 56.625 | 5.618      | 0.0       | 44.605 | 4.421      | 0.0        | 41.074 | 4.814      | 0.0       | 49.056 | 6.035      | 0.0        | 57.193 | 5.322      | 0.0       | 45.48  | 4.471      | 0.0        | 40.741 | 4.475      |
| 15    | 4218        | 4219      | NS   | 1    | 0.0       | 45.228 | 1.566      | 0.0        | 46.569 | 1.282      | 0.0       | 36.737 | 1.093      | 0.0        | 42.691 | 1.119      | 0.0       | 45.857 | 1.361      | 0.0        | 43.125 | 1.014      | 0.0       | 37.649 | 0.94       | 0.0        | 40.474 | 0.924      |
| 16    | 4218        | 4219      | SN   | 1    | 0.0       | 43.202 | 2.138      | 0.0        | 50.658 | 1.909      | 0.0       | 43.545 | 1.457      | 0.0        | 39.298 | 1.686      | 0.0       | 42.113 | 1.942      | 0.0        | 48.969 | 1.85       | 0.0       | 39.958 | 1.385      | 0.0        | 39.604 | 1.526      |
| 17    | 4218        | 4219      | SN   | 1    | 0.0       | 43.202 | 2.136      | 0.0        | 50.658 | 1.907      | 0.0       | 43.545 | 1.457      | 0.0        | 39.298 | 1.684      | 0.0       | 42.113 | 1.94       | 0.0        | 48.969 | 1.848      | 0.0       | 39.958 | 1.384      | 0.0        | 39.604 | 1.524      |
| 18    | 4218        | 4219      | NS   | 1    | 0.0       | 50.621 | 5.52       | 0.0        | 44.387 | 4.178      | 0.0       | 41.927 | 3.49       | 0.0        | 46.059 | 3.916      | 0.0       | 49.401 | 5.027      | 0.0        | 45.632 | 3.676      | 0.0       | 44.179 | 3.191      | 0.0        | 44.018 | 3.289      |
| 19    | 4220        | 4221      | NS   | 1    | 0.0       | 46.704 | 1.592      | 0.0        | 44.103 | 1.564      | 0.0       | 40.299 | 1.02       | 0.0        | 40.938 | 1.045      | 0.0       | 47.705 | 1.497      | 0.0        | 45.32  | 1.367      | 0.0       | 39.615 | 0.94       | 0.0        | 40.72  | 0.923      |
| 20    | 4220        | 4221      | SN   | 1    | 0.0       | 42.171 | 2.582      | 0.0        | 48.862 | 2.395      | 0.0       | 43.31  | 2.123      | 0.0        | 40.242 | 2.101      | 0.0       | 40.604 | 2.374      | 0.0        | 47.593 | 2.283      | 0.0       | 40.306 | 1.985      | 0.0        | 38.936 | 2.019      |
| 21    | 4220        | 4221      | SN   | 1    | 0.0       | 49.597 | 7.195      | 0.0        | 44.216 | 6.525      | 0.0       | 46.702 | 6.011      | 0.0        | 41.223 | 5.875      | 0.0       | 49.019 | 6.556      | 0.0        | 42.335 | 6.277      | 0.0       | 42.917 | 6.069      | 0.0        | 43.396 | 5.743      |
| 22    | 4220        | 4221      | NS   | 1    | 0.0       | 52.194 | 5.581      | 0.0        | 53.359 | 4.981      | 0.0       | 49.922 | 4.061      | 0.0        | 43.577 | 3.923      | 0.0       | 54.09  | 5.168      | 0.0        | 56.384 | 4.58       | 0.0       | 49.299 | 3.697      | 0.0        | 43.361 | 3.424      |
| 23    | 4231        | 4232      | NS   | 1    | 0.0       | 54.181 | 12.609     | 0.0        | 53.775 | 11.049     | 0.0       | 47.519 | 7.501      | 0.0        | 45.941 | 7.141      | 0.0       | 52.638 | 11.694     | 0.0        | 53.373 | 10.275     | 0.0       | 47.516 | 6.896      | 0.0        | 46.385 | 6.529      |
| 24    | 4231        | 4232      | SN   | 1    | 0.0       | 52.388 | 7.499      | 0.0        | 56.336 | 7.2        | 0.0       | 46.241 | 4.508      | 0.0        | 45.237 | 4.631      | 0.0       | 50.671 | 6.698      | 0.0        | 57.743 | 6.601      | 0.0       | 45.757 | 3.949      | 0.0        | 45.853 | 4.155      |
| 25    | 4231        | 4232      | SN   | 1    | 0.0       | 52.388 | 7.314      | 0.0        | 56.336 | 7.018      | 0.0       | 46.241 | 4.409      | 0.0        | 45.237 | 4.512      | 0.0       | 50.671 | 6.532      | 0.0        | 57.743 | 6.434      | 0.0       | 45.757 | 3.849      | 0.0        | 45.853 | 4.048      |
| 26    | 4231        | 4232      | SN   | 1    | 0.0       | 48.144 | 2.11       | 0.0        | 47.932 | 2.069      | 0.0       | 40.056 | 1.195      | 0.0        | 42.396 | 1.28       | 0.0       | 52.312 | 1.773      | 0.0        | 48.915 | 1.879      | 0.0       | 42.251 | 1.014      | 0.0        | 43.557 | 1.063      |
| 27    | 4231        | 4232      | SN   | 1    | 0.0       | 52.388 | 7.315      | 0.0        | 56.336 | 7.09       | 0.0       | 46.241 | 4.416      | 0.0        | 45.237 | 4.562      | 0.0       | 50.671 | 6.534      | 0.0        | 57.743 | 6.52       | 0.0       | 45.755 | 3.856      | 0.0        | 45.853 | 4.093      |
| 28    | 4232        | 4233      | NS   | 1    | 0.0       | 42.021 | 1.804      | 0.0        | 49.748 | 1.531      | 0.0       | 42.578 | 1.306      | 0.0        | 42.965 | 1.165      | 0.0       | 42.414 | 1.657      | 0.0        | 46.945 | 1.427      | 0.0       | 38.986 | 1.259      | 0.0        | 40.034 | 1.029      |
| 29    | 4232        | 4233      | SN   | 1    | 0.0       | 48.39  | 4.919      | 0.0        | 56.168 | 4.281      | 0.0       | 43.257 | 3.309      | 0.0        | 42.102 | 3.357      | 0.0       | 46.505 | 4.438      | 0.0        | 56.255 | 4.059      | 0.0       | 40.23  | 3.118      | 0.0        | 39.801 | 3.1        |
| 30    | 4232        | 4233      | NS   | 1    | 0.0       | 47.474 | 6.152      | 0.0        | 56.059 | 5.316      | 0.0       | 48.294 | 4.123      | 0.0        | 43.364 | 3.797      | 0.0       | 46.776 | 5.78       | 0.0        | 53.328 | 5.074      | 0.0       | 45.037 | 3.966      | 0.0        | 43.008 | 3.562      |
| 31    | 4232        | 4233      | NS   | 1    | 0.0       | 47.474 | 6.152      | 0.0        | 56.059 | 5.316      | 0.0       | 48.294 | 4.123      | 0.0        | 43.364 | 3.797      | 0.0       | 46.776 | 5.78       | 0.0        | 53.328 | 5.074      | 0.0       | 45.037 | 3.966      | 0.0        | 43.008 | 3.562      |

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

|    |      |      |    |   |     |        |        |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|----|------|------|----|---|-----|--------|--------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 32 | 4232 | 4233 | SN | 1 | 0.0 | 48.39  | 4.919  | 0.0 | 56.168 | 4.28  | 0.0 | 43.257 | 3.309 | 0.0 | 42.102 | 3.357 | 0.0 | 46.505 | 4.438 | 0.0 | 56.255 | 4.058 | 0.0 | 40.23  | 3.118 | 0.0 | 39.801 | 3.1   |
| 33 | 4232 | 4233 | NS | 1 | 0.0 | 42.021 | 1.804  | 0.0 | 49.748 | 1.531 | 0.0 | 42.578 | 1.306 | 0.0 | 42.965 | 1.165 | 0.0 | 42.414 | 1.657 | 0.0 | 46.945 | 1.427 | 0.0 | 38.986 | 1.259 | 0.0 | 40.034 | 1.029 |
| 34 | 4233 | 4234 | NS | 1 | 0.0 | 41.99  | 1.746  | 0.0 | 46.195 | 1.578 | 0.0 | 41.822 | 1.397 | 0.0 | 41.096 | 1.369 | 0.0 | 41.934 | 1.843 | 0.0 | 42.864 | 1.546 | 0.0 | 40.338 | 1.379 | 0.0 | 38.395 | 1.31  |
| 35 | 4233 | 4234 | NS | 1 | 0.0 | 44.996 | 5.963  | 0.0 | 55.748 | 5.342 | 0.0 | 44.653 | 4.211 | 0.0 | 45.23  | 4.065 | 0.0 | 46.522 | 6.144 | 0.0 | 52.35  | 5.121 | 0.0 | 41.913 | 4.146 | 0.0 | 44.05  | 4.022 |
| 36 | 4233 | 4234 | SN | 1 | 0.0 | 42.366 | 2.584  | 0.0 | 42.43  | 1.956 | 0.0 | 42.488 | 1.892 | 0.0 | 40.251 | 1.86  | 0.0 | 40.932 | 2.185 | 0.0 | 42.206 | 1.83  | 0.0 | 40.696 | 1.716 | 0.0 | 39.322 | 1.652 |
| 37 | 4233 | 4234 | SN | 1 | 0.0 | 48.161 | 7.695  | 0.0 | 48.005 | 6.295 | 0.0 | 43.833 | 5.414 | 0.0 | 43.967 | 5.21  | 0.0 | 49.627 | 7.184 | 0.0 | 48.522 | 6.023 | 0.0 | 46.257 | 5.329 | 0.0 | 43.993 | 5.053 |
| 38 | 4233 | 4234 | SN | 1 | 0.0 | 48.161 | 7.738  | 0.0 | 48.005 | 6.134 | 0.0 | 43.833 | 5.491 | 0.0 | 43.967 | 5.111 | 0.0 | 49.627 | 7.22  | 0.0 | 48.522 | 5.858 | 0.0 | 46.257 | 5.404 | 0.0 | 43.993 | 4.937 |
| 39 | 4233 | 4234 | SN | 1 | 0.0 | 48.161 | 7.695  | 0.0 | 48.005 | 6.367 | 0.0 | 43.833 | 5.414 | 0.0 | 43.967 | 5.268 | 0.0 | 49.627 | 7.184 | 0.0 | 48.522 | 6.091 | 0.0 | 46.257 | 5.329 | 0.0 | 43.993 | 5.11  |
| 40 | 4234 | 4235 | NS | 1 | 0.0 | 58.051 | 1.699  | 0.0 | 46.659 | 1.452 | 0.0 | 46.784 | 1.046 | 0.0 | 37.49  | 0.962 | 0.0 | 56.339 | 1.455 | 0.0 | 43.539 | 1.316 | 0.0 | 44.097 | 0.921 | 0.0 | 37.792 | 0.89  |
| 41 | 4234 | 4235 | SN | 1 | 0.0 | 50.106 | 8.763  | 0.0 | 53.28  | 7.767 | 0.0 | 45.779 | 6.46  | 0.0 | 42.621 | 6.196 | 0.0 | 51.486 | 8.162 | 0.0 | 51.206 | 7.375 | 0.0 | 42.921 | 6.311 | 0.0 | 41.322 | 5.825 |
| 42 | 4234 | 4235 | NS | 1 | 0.0 | 59.286 | 1.706  | 0.0 | 45.949 | 1.449 | 0.0 | 37.009 | 1.031 | 0.0 | 37.951 | 0.962 | 0.0 | 57.575 | 1.457 | 0.0 | 43.073 | 1.318 | 0.0 | 35.646 | 0.917 | 0.0 | 37.206 | 0.874 |
| 43 | 4234 | 4235 | SN | 1 | 0.0 | 51.798 | 8.663  | 0.0 | 52.398 | 7.915 | 0.0 | 45.779 | 6.572 | 0.0 | 41.582 | 6.269 | 0.0 | 50.76  | 8.038 | 0.0 | 50.32  | 7.596 | 0.0 | 42.921 | 6.434 | 0.0 | 43.963 | 5.795 |
| 44 | 4234 | 4235 | NS | 1 | 0.0 | 55.74  | 6.247  | 0.0 | 50.978 | 5.064 | 0.0 | 45.064 | 4.041 | 0.0 | 44.735 | 3.946 | 0.0 | 58.243 | 5.603 | 0.0 | 51.871 | 4.551 | 0.0 | 45.853 | 3.656 | 0.0 | 43.364 | 3.533 |
| 45 | 4234 | 4235 | NS | 1 | 0.0 | 55.061 | 6.247  | 0.0 | 50.895 | 5.054 | 0.0 | 45.898 | 4.02  | 0.0 | 45.049 | 3.911 | 0.0 | 57.562 | 5.523 | 0.0 | 51.787 | 4.561 | 0.0 | 47.304 | 3.628 | 0.0 | 43.526 | 3.512 |
| 46 | 4234 | 4235 | SN | 1 | 0.0 | 51.798 | 8.815  | 0.0 | 52.398 | 7.909 | 0.0 | 45.779 | 6.467 | 0.0 | 41.582 | 6.336 | 0.0 | 50.76  | 8.164 | 0.0 | 50.32  | 7.594 | 0.0 | 42.921 | 6.339 | 0.0 | 43.963 | 5.86  |
| 47 | 4234 | 4235 | SN | 1 | 0.0 | 42.08  | 2.953  | 0.0 | 47.77  | 2.438 | 0.0 | 40.445 | 2.188 | 0.0 | 39.639 | 1.964 | 0.0 | 39.516 | 2.67  | 0.0 | 43.026 | 2.348 | 0.0 | 40.552 | 2.005 | 0.0 | 39.01  | 1.826 |
| 48 | 4235 | 4236 | NS | 1 | 0.0 | 43.929 | 1.907  | 0.0 | 48.922 | 1.895 | 0.0 | 43.918 | 1.2   | 0.0 | 44.66  | 1.252 | 0.0 | 44.39  | 1.785 | 0.0 | 45.031 | 1.802 | 0.0 | 42.916 | 1.143 | 0.0 | 42.744 | 1.131 |
| 49 | 4235 | 4236 | SN | 1 | 0.0 | 49.187 | 7.263  | 0.0 | 42.344 | 6.564 | 0.0 | 47.855 | 5.532 | 0.0 | 42.066 | 5.392 | 0.0 | 49.087 | 6.572 | 0.0 | 41.387 | 6.034 | 0.0 | 46.281 | 5.015 | 0.0 | 44.76  | 4.93  |
| 50 | 4235 | 4236 | NS | 1 | 0.0 | 45.72  | 1.905  | 0.0 | 48.16  | 1.877 | 0.0 | 47.34  | 1.198 | 0.0 | 43.308 | 1.271 | 0.0 | 45.867 | 1.799 | 0.0 | 44.262 | 1.786 | 0.0 | 43.49  | 1.152 | 0.0 | 41.562 | 1.133 |
| 51 | 4235 | 4236 | SN | 1 | 0.0 | 48.83  | 7.222  | 0.0 | 41.854 | 6.559 | 0.0 | 46.982 | 5.525 | 0.0 | 45.974 | 5.255 | 0.0 | 48.729 | 6.53  | 0.0 | 41.443 | 6.004 | 0.0 | 45.414 | 5.058 | 0.0 | 42.799 | 4.855 |
| 52 | 4235 | 4236 | SN | 1 | 0.0 | 49.187 | 6.984  | 0.0 | 42.344 | 6.613 | 0.0 | 47.855 | 5.509 | 0.0 | 42.066 | 5.473 | 0.0 | 49.087 | 6.236 | 0.0 | 41.387 | 6.092 | 0.0 | 46.281 | 4.988 | 0.0 | 44.76  | 5.023 |
| 53 | 4235 | 4236 | NS | 1 | 0.0 | 48.806 | 6.297  | 0.0 | 51.657 | 5.957 | 0.0 | 41.37  | 4.839 | 0.0 | 47.552 | 4.566 | 0.0 | 49.876 | 5.824 | 0.0 | 52.533 | 5.616 | 0.0 | 42.215 | 4.519 | 0.0 | 46.458 | 4.267 |
| 54 | 4235 | 4236 | SN | 1 | 0.0 | 50.414 | 2.379  | 0.0 | 42.637 | 2.332 | 0.0 | 45.671 | 1.817 | 0.0 | 38.995 | 1.865 | 0.0 | 47.082 | 2.059 | 0.0 | 41.88  | 2.145 | 0.0 | 46.448 | 1.665 | 0.0 | 39.125 | 1.62  |
| 55 | 4235 | 4236 | NS | 1 | 0.0 | 50.137 | 6.347  | 0.0 | 49.263 | 5.947 | 0.0 | 42.355 | 4.804 | 0.0 | 48.831 | 4.537 | 0.0 | 49.181 | 5.875 | 0.0 | 51.512 | 5.636 | 0.0 | 43.16  | 4.511 | 0.0 | 47.737 | 4.288 |
| 56 | 4236 | 4237 | NS | 1 | 0.0 | 52.798 | 7.052  | 0.0 | 51.343 | 5.847 | 0.0 | 48.993 | 5.609 | 0.0 | 49.769 | 4.936 | 0.0 | 53.512 | 6.488 | 0.0 | 50.899 | 5.435 | 0.0 | 47.034 | 5.131 | 0.0 | 48.966 | 4.409 |
| 57 | 4236 | 4237 | SN | 1 | 0.0 | 51.436 | 10.12  | 0.0 | 49.32  | 9.069 | 0.0 | 44.159 | 6.568 | 0.0 | 53.953 | 6.276 | 0.0 | 52.481 | 9.48  | 0.0 | 47.581 | 8.069 | 0.0 | 45.825 | 6.158 | 0.0 | 54.269 | 5.785 |
| 58 | 4236 | 4237 | SN | 1 | 0.0 | 51.436 | 10.09  | 0.0 | 49.32  | 9.193 | 0.0 | 44.159 | 6.543 | 0.0 | 53.953 | 6.364 | 0.0 | 52.481 | 9.448 | 0.0 | 47.581 | 8.194 | 0.0 | 45.825 | 6.118 | 0.0 | 54.269 | 5.874 |
| 59 | 4236 | 4237 | NS | 1 | 0.0 | 47.382 | 2.344  | 0.0 | 53.416 | 1.937 | 0.0 | 41.113 | 1.689 | 0.0 | 43.653 | 1.396 | 0.0 | 43.977 | 2.124 | 0.0 | 53.193 | 1.736 | 0.0 | 41.212 | 1.479 | 0.0 | 42.081 | 1.255 |
| 60 | 4236 | 4237 | NS | 1 | 0.0 | 43.571 | 2.263  | 0.0 | 50.18  | 1.9   | 0.0 | 39.153 | 1.651 | 0.0 | 41.464 | 1.425 | 0.0 | 42.453 | 2.062 | 0.0 | 51.595 | 1.73  | 0.0 | 41.086 | 1.455 | 0.0 | 41.225 | 1.304 |
| 61 | 4236 | 4237 | SN | 1 | 0.0 | 51.436 | 10.088 | 0.0 | 49.32  | 9.097 | 0.0 | 44.159 | 6.536 | 0.0 | 53.953 | 6.303 | 0.0 | 52.481 | 9.446 | 0.0 | 47.581 | 8.1   | 0.0 | 45.825 | 6.125 | 0.0 | 54.269 | 5.811 |
| 62 | 4236 | 4237 | SN | 1 | 0.0 | 47.283 | 3.396  | 0.0 | 48.011 | 2.833 | 0.0 | 41.317 | 2.273 | 0.0 | 47.601 | 1.978 | 0.0 | 45.82  | 2.903 | 0.0 | 49.648 | 2.43  | 0.0 | 38.992 | 1.981 | 0.0 | 44.631 | 1.73  |
| 63 | 4236 | 4237 | NS | 1 | 0.0 | 48.481 | 7.279  | 0.0 | 50.27  | 6.09  | 0.0 | 44.835 | 5.329 | 0.0 | 46.407 | 5.102 | 0.0 | 48.174 | 6.616 | 0.0 | 51.122 | 5.688 | 0.0 | 46.873 | 5.172 | 0.0 | 43.909 | 4.532 |
| 64 | 4237 | 4238 | SN | 1 | 0.0 | 57.883 | 10.175 | 0.0 | 57.887 | 9.796 | 0.0 | 48.008 | 6.728 | 0.0 | 51.13  | 6.39  | 0.0 | 53.816 | 9.273 | 0.0 | 59.686 | 9.043 | 0.0 | 47.962 | 6.324 | 0.0 | 50.247 | 6.015 |
| 65 | 4237 | 4238 | NS | 1 | 0.0 | 41.105 | 6.365  | 0.0 | 44.059 | 5.548 | 0.0 | 40.609 | 4.74  | 0.0 | 42.148 | 4.097 | 0.0 | 41.531 | 5.621 | 0.0 | 46.594 | 5.247 | 0.0 | 37.693 | 4.34  | 0.0 | 44.215 | 3.684 |
| 66 | 4237 | 4238 | SN | 1 | 0.0 | 57.883 | 10.064 | 0.0 | 57.887 | 9.402 | 0.0 | 48.008 | 6.693 | 0.0 | 51.13  | 6.224 | 0.0 | 53.816 | 9.135 | 0.0 | 59.686 | 8.644 | 0.0 | 47.962 | 6.303 | 0.0 | 50.247 | 5.863 |
| 67 | 4237 | 4238 | NS | 1 | 0.0 | 41.719 | 6.395  | 0.0 | 46.622 | 5.599 | 0.0 | 40.589 | 4.832 | 0.0 | 42.394 | 4.161 | 0.0 | 42.487 | 5.742 | 0.0 | 49.145 | 5.287 | 0.0 | 38.725 | 4.383 | 0.0 | 44.455 | 3.684 |

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

|     |      |      |    |   |       |        |        |     |        |        |     |        |       |     |        |       |       |        |        |     |        |        |     |        |       |     |        |       |
|-----|------|------|----|---|-------|--------|--------|-----|--------|--------|-----|--------|-------|-----|--------|-------|-------|--------|--------|-----|--------|--------|-----|--------|-------|-----|--------|-------|
| 68  | 4237 | 4238 | SN | 1 | 0.0   | 61.489 | 3.173  | 0.0 | 57.5   | 2.894  | 0.0 | 41.486 | 1.998 | 0.0 | 45.222 | 1.95  | 0.0   | 59.093 | 2.872  | 0.0 | 58.458 | 2.828  | 0.0 | 41.32  | 1.87  | 0.0 | 42.047 | 1.755 |
| 69  | 4238 | 4239 | SN | 1 | 0.0   | 45.165 | 1.29   | 0.0 | 44.458 | 1.455  | 0.0 | 39.626 | 1.007 | 0.0 | 44.029 | 1.124 | 0.0   | 44.93  | 1.116  | 0.0 | 46.145 | 1.311  | 0.0 | 41.118 | 0.901 | 0.0 | 42.519 | 1.032 |
| 70  | 4238 | 4239 | SN | 1 | 0.0   | 55.958 | 2.912  | 0.0 | 47.612 | 3.241  | 0.0 | 49.999 | 3.031 | 0.0 | 45.624 | 3.32  | 0.0   | 54.146 | 2.301  | 0.0 | 45.967 | 2.548  | 0.0 | 46.432 | 2.488 | 0.0 | 45.561 | 2.781 |
| 71  | 4238 | 4239 | NS | 1 | 0.0   | 50.74  | 6.265  | 0.0 | 50.558 | 5.849  | 0.0 | 46.48  | 4.412 | 0.0 | 43.483 | 4.061 | 0.0   | 47.477 | 6.024  | 0.0 | 49.33  | 5.618  | 0.0 | 44.713 | 4.262 | 0.0 | 42.801 | 3.911 |
| 72  | 4238 | 4239 | NS | 1 | 0.0   | 50.74  | 6.265  | 0.0 | 50.558 | 5.849  | 0.0 | 46.48  | 4.412 | 0.0 | 43.483 | 4.061 | 0.0   | 47.477 | 6.024  | 0.0 | 49.33  | 5.618  | 0.0 | 44.713 | 4.262 | 0.0 | 42.801 | 3.911 |
| 73  | 4238 | 4239 | SN | 1 | 0.0   | 55.958 | 4.409  | 0.0 | 51.3   | 4.885  | 0.0 | 49.999 | 3.657 | 0.0 | 45.624 | 4.095 | 0.0   | 54.146 | 3.808  | 0.0 | 51.276 | 4.283  | 0.0 | 46.432 | 3.132 | 0.0 | 45.561 | 3.583 |
| 74  | 4238 | 4239 | SN | 1 | 0.0   | 55.958 | 4.408  | 0.0 | 51.3   | 4.828  | 0.0 | 49.999 | 3.657 | 0.0 | 45.624 | 4.057 | 0.0   | 54.146 | 3.807  | 0.0 | 51.276 | 4.233  | 0.0 | 46.432 | 3.139 | 0.0 | 45.561 | 3.544 |
| 75  | 4238 | 4239 | SN | 1 | 0.0   | 43.564 | 0.997  | 0.0 | 44.458 | 1.062  | 0.0 | 39.626 | 0.835 | 0.0 | 44.029 | 0.875 | 0.0   | 42.175 | 0.827  | 0.0 | 43.008 | 0.921  | 0.0 | 41.118 | 0.715 | 0.0 | 42.519 | 0.756 |
| 76  | 4238 | 4239 | NS | 1 | 0.0   | 43.946 | 2.07   | 0.0 | 44.557 | 1.796  | 0.0 | 42.9   | 1.431 | 0.0 | 41.342 | 1.348 | 0.0   | 42.21  | 1.952  | 0.0 | 43.665 | 1.624  | 0.0 | 42.112 | 1.298 | 0.0 | 40.317 | 1.172 |
| 77  | 4238 | 4239 | NS | 1 | 0.0   | 43.946 | 2.07   | 0.0 | 44.557 | 1.796  | 0.0 | 42.9   | 1.431 | 0.0 | 41.342 | 1.348 | 0.0   | 42.21  | 1.952  | 0.0 | 43.665 | 1.624  | 0.0 | 42.112 | 1.298 | 0.0 | 40.317 | 1.172 |
| 78  | 4239 | 4240 | NS | 1 | 0.0   | 59.013 | 9.734  | 0.0 | 52.881 | 8.472  | 0.0 | 45.886 | 6.465 | 0.0 | 47.443 | 6.632 | 0.0   | 56.052 | 8.889  | 0.0 | 54.454 | 7.658  | 0.0 | 44.403 | 6.358 | 0.0 | 46.327 | 6.291 |
| 79  | 4239 | 4240 | SN | 1 | 0.0   | 48.842 | 6.135  | 0.0 | 48.109 | 5.885  | 0.0 | 43.362 | 4.729 | 0.0 | 46.497 | 5.056 | 0.0   | 45.731 | 5.614  | 0.0 | 47.695 | 5.724  | 0.0 | 46.239 | 4.602 | 0.0 | 45.987 | 4.913 |
| 80  | 4239 | 4240 | NS | 1 | 0.0   | 59.013 | 9.734  | 0.0 | 52.881 | 8.472  | 0.0 | 45.886 | 6.465 | 0.0 | 47.443 | 6.632 | 0.0   | 56.052 | 8.889  | 0.0 | 54.454 | 7.658  | 0.0 | 44.403 | 6.358 | 0.0 | 46.327 | 6.291 |
| 81  | 4239 | 4240 | NS | 1 | 0.0   | 51.563 | 9.742  | 0.0 | 51.749 | 8.295  | 0.0 | 47.08  | 6.762 | 0.0 | 48.847 | 6.542 | 0.0   | 52.033 | 9.008  | 0.0 | 52.135 | 7.501  | 0.0 | 45.315 | 6.527 | 0.0 | 47.275 | 6.1   |
| 82  | 4240 | 4241 | NS | 1 | 0.0   | 53.211 | 8.566  | 0.0 | 51.975 | 7.702  | 0.0 | 44.899 | 5.522 | 0.0 | 49.3   | 5.509 | 0.0   | 55.067 | 8.134  | 0.0 | 52.098 | 7.43   | 0.0 | 42.701 | 5.55  | 0.0 | 49.773 | 5.395 |
| 83  | 4240 | 4241 | SN | 1 | 0.0   | 47.519 | 6.807  | 0.0 | 55.407 | 6.093  | 0.0 | 44.796 | 5.197 | 0.0 | 44.835 | 5.207 | 0.0   | 47.775 | 6.316  | 0.0 | 51.967 | 5.921  | 0.0 | 44.613 | 5.439 | 0.0 | 44.95  | 5.406 |
| 84  | 4240 | 4241 | NS | 1 | 0.0   | 52.965 | 2.51   | 0.0 | 51.975 | 2.219  | 0.0 | 42.569 | 1.704 | 0.0 | 41.832 | 1.68  | 0.0   | 47.799 | 2.44   | 0.0 | 49.661 | 2.056  | 0.0 | 42.652 | 1.644 | 0.0 | 40.138 | 1.631 |
| 85  | 4241 | 4242 | NS | 1 | 0.0   | 50.038 | 4.393  | 0.0 | 47.194 | 3.887  | 0.0 | 43.302 | 3.753 | 0.0 | 46.057 | 3.511 | 0.0   | 49.559 | 3.971  | 0.0 | 48.836 | 3.496  | 0.0 | 44.264 | 3.404 | 0.0 | 42.285 | 3.24  |
| 86  | 4241 | 4242 | NS | 1 | 0.0   | 44.06  | 1.648  | 0.0 | 45.729 | 1.375  | 0.0 | 41.904 | 1.244 | 0.0 | 44.28  | 1.223 | 0.0   | 42.657 | 1.431  | 0.0 | 46.87  | 1.239  | 0.0 | 43.34  | 1.103 | 0.0 | 42.806 | 1.048 |
| 87  | 4241 | 4242 | SN | 1 | 0.0   | 52.57  | 6.895  | 0.0 | 54.951 | 6.495  | 0.0 | 46.95  | 5.366 | 0.0 | 48.429 | 5.202 | 0.0   | 52.604 | 6.374  | 0.0 | 53.143 | 6.143  | 0.0 | 45.675 | 4.863 | 0.0 | 47.365 | 4.496 |
| 88  | 4242 | 4243 | NS | 1 | 0.0   | 46.189 | 2.121  | 0.0 | 43.067 | 1.774  | 0.0 | 38.324 | 1.517 | 0.0 | 40.072 | 1.533 | 0.0   | 42.112 | 1.804  | 0.0 | 42.359 | 1.444  | 0.0 | 36.674 | 1.431 | 0.0 | 36.632 | 1.224 |
| 89  | 4242 | 4243 | SN | 1 | 0.0   | 55.393 | 4.38   | 0.0 | 53.16  | 4.431  | 0.0 | 44.773 | 3.169 | 0.0 | 48.483 | 3.598 | 0.0   | 55.573 | 3.858  | 0.0 | 52.109 | 3.977  | 0.0 | 42.985 | 2.772 | 0.0 | 46.098 | 3.221 |
| 90  | 4242 | 4243 | NS | 1 | 0.0   | 55.505 | 5.26   | 0.0 | 48.729 | 4.953  | 0.0 | 43.82  | 4.692 | 0.0 | 40.592 | 4.162 | 0.0   | 53.959 | 4.835  | 0.0 | 48.129 | 4.312  | 0.0 | 45.346 | 4.464 | 0.0 | 42.107 | 3.788 |
| 91  | 4242 | 4243 | NS | 1 | 0.0   | 55.505 | 5.107  | 0.0 | 48.729 | 4.811  | 0.0 | 43.82  | 4.558 | 0.0 | 40.592 | 4.052 | 0.0   | 53.959 | 4.685  | 0.0 | 48.129 | 4.188  | 0.0 | 45.346 | 4.337 | 0.0 | 42.107 | 3.689 |
| 92  | 4242 | 4243 | NS | 1 | 0.0   | 46.189 | 2.057  | 0.0 | 43.067 | 1.723  | 0.0 | 38.324 | 1.471 | 0.0 | 40.072 | 1.488 | 0.0   | 42.112 | 1.75   | 0.0 | 42.359 | 1.402  | 0.0 | 36.674 | 1.388 | 0.0 | 36.632 | 1.188 |
| 93  | 4243 | 4244 | SN | 1 | 0.0   | 48.593 | 5.683  | 0.0 | 43.661 | 5.026  | 0.0 | 43.992 | 4.005 | 0.0 | 42.592 | 4.377 | 0.0   | 50.695 | 5.432  | 0.0 | 43.071 | 4.774  | 0.0 | 44.069 | 3.963 | 0.0 | 45.343 | 3.942 |
| 94  | 4243 | 4244 | SN | 1 | 0.0   | 55.774 | 5.602  | 0.0 | 43.854 | 5.177  | 0.0 | 43.851 | 4.176 | 0.0 | 43.557 | 4.327 | 0.0   | 54.224 | 5.392  | 0.0 | 43.267 | 4.824  | 0.0 | 44.186 | 4.02  | 0.0 | 46.307 | 4.034 |
| 95  | 4243 | 4244 | NS | 1 | 0.0   | 41.627 | 3.025  | 0.0 | 45.381 | 2.369  | 0.0 | 36.91  | 1.948 | 0.0 | 43.246 | 1.715 | 0.0   | 43.358 | 2.513  | 0.0 | 44.814 | 1.986  | 0.0 | 37.976 | 1.657 | 0.0 | 39.371 | 1.473 |
| 96  | 4243 | 4244 | NS | 1 | 0.0   | 49.328 | 8.627  | 0.0 | 51.599 | 6.839  | 0.0 | 42.371 | 5.799 | 0.0 | 42.142 | 5.134 | 0.0   | 49.839 | 7.642  | 0.0 | 48.915 | 5.875  | 0.0 | 45.0   | 5.144 | 0.0 | 41.382 | 4.621 |
| 97  | 4243 | 4244 | NS | 1 | 0.0   | 41.627 | 2.904  | 0.0 | 45.381 | 2.276  | 0.0 | 39.023 | 1.871 | 0.0 | 43.246 | 1.647 | 0.0   | 43.358 | 2.413  | 0.0 | 44.814 | 1.908  | 0.0 | 39.923 | 1.592 | 0.0 | 39.371 | 1.415 |
| 98  | 4243 | 4244 | NS | 1 | 0.011 | 49.328 | 8.999  | 0.0 | 51.599 | 7.118  | 0.0 | 42.371 | 6.041 | 0.0 | 42.142 | 5.339 | 0.006 | 49.839 | 7.971  | 0.0 | 48.915 | 6.115  | 0.0 | 45.0   | 5.351 | 0.0 | 41.382 | 4.806 |
| 99  | 4244 | 4245 | NS | 1 | 0.0   | 50.288 | 11.902 | 0.0 | 58.056 | 10.239 | 0.0 | 46.528 | 8.053 | 0.0 | 42.918 | 7.587 | 0.0   | 51.71  | 11.5   | 0.0 | 53.659 | 9.486  | 0.0 | 46.414 | 7.833 | 0.0 | 43.456 | 7.145 |
| 100 | 4244 | 4245 | SN | 1 | 0.0   | 50.861 | 6.413  | 0.0 | 48.614 | 6.154  | 0.0 | 41.093 | 4.662 | 0.0 | 41.82  | 4.713 | 0.0   | 52.294 | 5.682  | 0.0 | 45.941 | 5.472  | 0.0 | 41.592 | 4.301 | 0.0 | 39.575 | 4.288 |
| 101 | 4244 | 4245 | SN | 1 | 0.0   | 50.861 | 5.811  | 0.0 | 48.252 | 5.92   | 0.0 | 41.093 | 4.373 | 0.0 | 41.82  | 4.738 | 0.0   | 52.294 | 5.086  | 0.0 | 45.941 | 5.357  | 0.0 | 41.592 | 3.976 | 0.0 | 39.575 | 4.307 |
| 102 | 4244 | 4245 | NS | 1 | 0.0   | 52.228 | 13.451 | 0.0 | 51.933 | 11.708 | 0.0 | 46.175 | 8.9   | 0.0 | 42.963 | 8.601 | 0.0   | 53.651 | 13.109 | 0.0 | 51.302 | 10.565 | 0.0 | 47.249 | 8.843 | 0.0 | 43.498 | 8.02  |
| 103 | 4244 | 4245 | NS | 1 | 0.0   | 44.611 | 4.276  | 0.0 | 48.158 | 3.622  | 0.0 | 46.0   | 2.936 | 0.0 | 38.134 | 2.844 | 0.0   | 44.184 | 4.092  | 0.0 | 51.221 | 3.317  | 0.0 | 43.243 | 2.807 | 0.0 | 37.53  | 2.508 |

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

|     |      |      |    |   |     |        |        |     |        |        |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|-----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 104 | 4244 | 4245 | SN | 1 | 0.0 | 50.861 | 6.412  | 0.0 | 48.614 | 6.084  | 0.0 | 41.093 | 4.669 | 0.0 | 41.82  | 4.661 | 0.0 | 52.294 | 5.681 | 0.0 | 45.941 | 5.409 | 0.0 | 41.592 | 4.308 | 0.0 | 39.575 | 4.241 |
| 105 | 4244 | 4245 | NS | 1 | 0.0 | 52.228 | 11.872 | 0.0 | 51.933 | 10.321 | 0.0 | 46.175 | 7.911 | 0.0 | 42.963 | 7.601 | 0.0 | 53.651 | 11.54 | 0.0 | 51.302 | 9.296 | 0.0 | 47.249 | 7.847 | 0.0 | 43.498 | 7.081 |
| 106 | 4244 | 4245 | SN | 1 | 0.0 | 47.142 | 1.78   | 0.0 | 48.041 | 1.732  | 0.0 | 41.463 | 1.568 | 0.0 | 37.553 | 1.448 | 0.0 | 46.645 | 1.506 | 0.0 | 46.647 | 1.568 | 0.0 | 40.743 | 1.351 | 0.0 | 36.987 | 1.237 |

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

Normal

Deviations

Alarming

High Errors



| 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     | 4216        | 4217      | SN   | 1    | 0.0           | 34.243 | 15.91      | 0.0        | 26.489 | 14.563     | 0.0       | 173.844 | 12.399     | 0.0        | 74.397 | 12.897     | 0.0             | 1.886 | 0.0        | 0.0        | 1.93  | 0.0        | 0.0       | 2.06  | 0.0        | 0.0        | 2.083 | 0.0        |
| 2     | 4216        | 4217      | SN   | 1    | 0.0           | 25.882 | 9.241      | 0.0        | 26.759 | 9.185      | 0.0       | 217.252 | 3.48       | 0.0        | 75.34  | 3.834      | 0.0             | 1.878 | 0.0        | 0.0        | 1.951 | 0.0        | 0.0       | 2.056 | 0.0        | 0.0        | 2.117 | 0.0        |
| 3     | 4217        | 4218      | SN   | 1    | 0.0           | 25.865 | 9.256      | 0.0        | 26.753 | 9.16       | 0.0       | 216.205 | 3.502      | 0.0        | 14.626 | 3.744      | 0.0             | 1.878 | 0.0        | 0.0        | 1.954 | 0.0        | 0.0       | 2.056 | 0.0        | 0.0        | 2.114 | 0.0        |
| 4     | 4217        | 4218      | NS   | 1    | 0.0           | 26.83  | 8.887      | 0.0        | 25.794 | 8.714      | 0.0       | 340.797 | 3.03       | 0.0        | 56.634 | 2.576      | 0.0             | 1.91  | 0.0        | 0.0        | 1.862 | 0.0        | 0.0       | 2.057 | 0.0        | 0.0        | 2.034 | 0.0        |
| 5     | 4217        | 4218      | SN   | 1    | 0.0           | 25.865 | 9.258      | 0.0        | 26.753 | 9.213      | 0.0       | 216.205 | 3.469      | 0.0        | 69.704 | 3.857      | 0.0             | 1.878 | 0.0        | 0.0        | 1.954 | 0.0        | 0.0       | 2.056 | 0.0        | 0.0        | 2.114 | 0.0        |
| 6     | 4217        | 4218      | SN   | 1    | 0.0           | 34.303 | 15.902     | 0.0        | 26.538 | 14.568     | 0.0       | 172.432 | 12.47      | 0.0        | 72.158 | 12.969     | 0.0             | 1.886 | 0.0        | 0.0        | 1.941 | 0.0        | 0.0       | 2.059 | 0.0        | 0.0        | 2.084 | 0.0        |
| 7     | 4217        | 4218      | NS   | 1    | 0.0           | 25.909 | 15.056     | 0.0        | 37.182 | 15.19      | 0.0       | 355.72  | 10.985     | 0.0        | 56.06  | 11.094     | 0.0             | 1.923 | 0.0        | 0.0        | 1.875 | 0.0        | 0.0       | 2.059 | 0.0        | 0.0        | 2.034 | 0.0        |
| 8     | 4217        | 4218      | SN   | 1    | 0.0           | 34.303 | 15.908     | 0.0        | 25.959 | 14.297     | 0.0       | 172.432 | 12.565     | 0.0        | 20.885 | 12.614     | 0.0             | 1.886 | 0.0        | 0.0        | 1.941 | 0.0        | 0.0       | 2.059 | 0.0        | 0.0        | 2.084 | 0.0        |
| 9     | 4217        | 4218      | SN   | 1    | 0.0           | 32.136 | 15.883     | 0.0        | 26.538 | 14.59      | 0.0       | 172.432 | 12.47      | 0.0        | 72.158 | 13.077     | 0.0             | 1.886 | 0.0        | 0.0        | 1.941 | 0.0        | 0.0       | 2.059 | 0.0        | 0.0        | 2.084 | 0.0        |
| 10    | 4217        | 4218      | SN   | 1    | 0.0           | 25.865 | 9.254      | 0.0        | 26.753 | 9.291      | 0.0       | 216.205 | 3.469      | 0.0        | 69.704 | 3.9        | 0.0             | 1.878 | 0.0        | 0.0        | 1.954 | 0.0        | 0.0       | 2.056 | 0.0        | 0.0        | 2.114 | 0.0        |
| 11    | 4218        | 4219      | NS   | 1    | 0.0           | 26.83  | 8.877      | 0.0        | 25.783 | 8.696      | 0.0       | 356.553 | 2.986      | 0.0        | 58.062 | 2.581      | 0.0             | 1.916 | 0.0        | 0.0        | 1.862 | 0.0        | 0.0       | 2.055 | 0.0        | 0.0        | 2.033 | 0.0        |
| 12    | 4218        | 4219      | NS   | 1    | 0.0           | 25.909 | 15.076     | 0.0        | 33.713 | 15.279     | 0.0       | 355.715 | 11.016     | 0.0        | 56.65  | 11.073     | 0.0             | 1.919 | 0.0        | 0.0        | 1.874 | 0.0        | 0.0       | 2.058 | 0.0        | 0.0        | 2.034 | 0.0        |
| 13    | 4218        | 4219      | SN   | 1    | 0.0           | 34.325 | 15.853     | 0.0        | 25.954 | 14.356     | 0.0       | 183.661 | 12.579     | 0.0        | 22.816 | 12.682     | 0.0             | 1.887 | 0.0        | 0.0        | 1.94  | 0.0        | 0.0       | 2.061 | 0.0        | 0.0        | 2.086 | 0.0        |
| 14    | 4218        | 4219      | SN   | 1    | 0.0           | 34.325 | 15.843     | 0.0        | 25.954 | 14.356     | 0.0       | 183.661 | 12.573     | 0.0        | 22.816 | 12.682     | 0.0             | 1.887 | 0.0        | 0.0        | 1.94  | 0.0        | 0.0       | 2.061 | 0.0        | 0.0        | 2.086 | 0.0        |
| 15    | 4218        | 4219      | NS   | 1    | 0.0           | 26.83  | 8.895      | 0.0        | 25.799 | 8.685      | 0.0       | 346.499 | 2.993      | 0.0        | 72.77  | 2.573      | 0.0             | 1.913 | 0.0        | 0.0        | 1.863 | 0.0        | 0.0       | 2.055 | 0.0        | 0.0        | 2.033 | 0.0        |
| 16    | 4218        | 4219      | SN   | 1    | 0.0           | 25.871 | 9.256      | 0.0        | 26.748 | 9.176      | 0.0       | 204.094 | 3.539      | 0.0        | 15.006 | 3.771      | 0.0             | 1.88  | 0.0        | 0.0        | 1.949 | 0.0        | 0.0       | 2.056 | 0.0        | 0.0        | 2.112 | 0.0        |
| 17    | 4218        | 4219      | SN   | 1    | 0.0           | 25.871 | 9.258      | 0.0        | 26.748 | 9.183      | 0.0       | 204.094 | 3.537      | 0.0        | 15.006 | 3.779      | 0.0             | 1.88  | 0.0        | 0.0        | 1.949 | 0.0        | 0.0       | 2.056 | 0.0        | 0.0        | 2.112 | 0.0        |
| 18    | 4218        | 4219      | NS   | 1    | 0.0           | 25.909 | 15.132     | 0.0        | 33.983 | 15.297     | 0.0       | 351.027 | 10.982     | 0.0        | 52.547 | 11.1       | 0.0             | 1.919 | 0.0        | 0.0        | 1.874 | 0.0        | 0.0       | 2.06  | 0.0        | 0.0        | 2.034 | 0.0        |
| 19    | 4220        | 4221      | NS   | 1    | 0.0           | 26.825 | 8.879      | 0.0        | 25.783 | 8.674      | 0.0       | 356.63  | 2.942      | 0.0        | 56.479 | 2.57       | 0.0             | 1.916 | 0.0        | 0.0        | 1.865 | 0.0        | 0.0       | 2.056 | 0.0        | 0.0        | 2.035 | 0.0        |
| 20    | 4220        | 4221      | SN   | 1    | 0.0           | 25.909 | 9.274      | 0.0        | 26.748 | 9.165      | 0.0       | 191.806 | 3.601      | 0.0        | 14.207 | 3.686      | 0.0             | 1.878 | 0.0        | 0.0        | 1.951 | 0.0        | 0.0       | 2.055 | 0.0        | 0.0        | 2.107 | 0.0        |
| 21    | 4220        | 4221      | SN   | 1    | 0.0           | 34.149 | 15.833     | 0.0        | 25.954 | 14.013     | 0.0       | 211.572 | 12.606     | 0.0        | 17.494 | 12.447     | 0.0             | 1.888 | 0.0        | 0.0        | 1.936 | 0.0        | 0.0       | 2.058 | 0.0        | 0.0        | 2.122 | 0.0        |
| 22    | 4220        | 4221      | NS   | 1    | 0.0           | 25.915 | 15.093     | 0.0        | 38.324 | 15.266     | 0.0       | 354.309 | 10.935     | 0.0        | 57.731 | 11.149     | 0.0             | 1.925 | 0.0        | 0.0        | 1.873 | 0.0        | 0.0       | 2.058 | 0.0        | 0.0        | 2.035 | 0.0        |
| 23    | 4231        | 4232      | NS   | 1    | 0.0           | 25.915 | 15.113     | 0.0        | 33.95  | 15.137     | 0.0       | 353.873 | 10.977     | 0.0        | 56.656 | 11.043     | 0.0             | 1.915 | 0.0        | 0.0        | 1.879 | 0.0        | 0.0       | 2.059 | 0.0        | 0.0        | 2.052 | 0.0        |
| 24    | 4231        | 4232      | SN   | 1    | 0.0           | 34.121 | 15.811     | 0.0        | 25.954 | 14.069     | 0.0       | 232.264 | 12.624     | 0.0        | 17.885 | 12.421     | 0.0             | 1.886 | 0.0        | 0.0        | 1.963 | 0.0        | 0.0       | 2.062 | 0.0        | 0.0        | 2.125 | 0.0        |
| 25    | 4231        | 4232      | SN   | 1    | 0.0           | 34.121 | 15.81      | 0.0        | 27.117 | 14.52      | 0.0       | 232.264 | 12.51      | 0.0        | 69.836 | 12.979     | 0.0             | 1.886 | 0.0        | 0.0        | 1.963 | 0.0        | 0.0       | 2.062 | 0.0        | 0.0        | 2.125 | 0.0        |
| 26    | 4231        | 4232      | SN   | 1    | 0.0           | 25.887 | 9.249      | 0.0        | 26.737 | 9.165      | 0.0       | 203.845 | 3.58       | 0.0        | 14.074 | 3.757      | 0.0             | 1.879 | 0.0        | 0.0        | 1.956 | 0.0        | 0.0       | 2.06  | 0.0        | 0.0        | 2.106 | 0.0        |
| 27    | 4231        | 4232      | SN   | 1    | 0.0           | 31.866 | 15.793     | 0.0        | 27.178 | 14.558     | 0.0       | 232.264 | 12.517     | 0.0        | 69.836 | 13.087     | 0.0             | 1.886 | 0.0        | 0.0        | 1.963 | 0.0        | 0.0       | 2.062 | 0.0        | 0.0        | 2.125 | 0.0        |
| 28    | 4232        | 4233      | NS   | 1    | 0.0           | 26.814 | 8.881      | 0.0        | 25.783 | 8.66       | 0.0       | 356.641 | 2.885      | 0.0        | 73.294 | 2.54       | 0.0             | 1.916 | 0.0        | 0.0        | 1.861 | 0.0        | 0.0       | 2.055 | 0.0        | 0.0        | 2.033 | 0.0        |
| 29    | 4232        | 4233      | SN   | 1    | 0.0           | 34.143 | 15.818     | 0.0        | 27.172 | 14.494     | 0.0       | 229.595 | 12.514     | 0.0        | 79.204 | 13.022     | 0.0             | 1.888 | 0.0        | 0.0        | 1.95  | 0.0        | 0.0       | 2.058 | 0.0        | 0.0        | 2.123 | 0.0        |
| 30    | 4232        | 4233      | NS   | 1    | 0.0           | 25.898 | 14.978     | 0.0        | 33.989 | 15.102     | 0.0       | 356.641 | 10.951     | 0.0        | 38.903 | 10.984     | 0.0             | 1.925 | 0.0        | 0.0        | 1.872 | 0.0        | 0.0       | 2.059 | 0.0        | 0.0        | 2.034 | 0.0        |
| 31    | 4232        | 4233      | NS   | 1    | 0.0           | 25.898 | 14.978     | 0.0        | 33.989 | 15.102     | 0.0       | 356.641 | 10.951     | 0.0        | 38.903 | 10.984     | 0.0             | 1.925 | 0.0        | 0.0        | 1.872 | 0.0        | 0.0       | 2.059 | 0.0        | 0.0        | 2.034 | 0.0        |

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

|    |      |      |    |   |     |        |        |     |        |        |     |         |        |     |        |        |     |       |     |     |       |     |     |       |     |     |       |     |
|----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|---------|--------|-----|--------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 32 | 4232 | 4233 | SN | 1 | 0.0 | 34.143 | 15.818 | 0.0 | 27.172 | 14.502 | 0.0 | 229.595 | 12.514 | 0.0 | 79.204 | 13.022 | 0.0 | 1.888 | 0.0 | 0.0 | 1.95  | 0.0 | 0.0 | 2.058 | 0.0 | 0.0 | 2.123 | 0.0 |
| 33 | 4232 | 4233 | NS | 1 | 0.0 | 26.814 | 8.881  | 0.0 | 25.783 | 8.66   | 0.0 | 356.641 | 2.885  | 0.0 | 73.294 | 2.54   | 0.0 | 1.916 | 0.0 | 0.0 | 1.861 | 0.0 | 0.0 | 2.055 | 0.0 | 0.0 | 2.033 | 0.0 |
| 34 | 4233 | 4234 | NS | 1 | 0.0 | 26.902 | 8.852  | 0.0 | 25.788 | 8.651  | 0.0 | 356.663 | 2.865  | 0.0 | 60.329 | 2.517  | 0.0 | 1.909 | 0.0 | 0.0 | 1.861 | 0.0 | 0.0 | 2.054 | 0.0 | 0.0 | 2.033 | 0.0 |
| 35 | 4233 | 4234 | NS | 1 | 0.0 | 25.909 | 15.053 | 0.0 | 37.872 | 15.192 | 0.0 | 354.617 | 10.972 | 0.0 | 42.813 | 11.042 | 0.0 | 1.923 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.058 | 0.0 | 0.0 | 2.033 | 0.0 |
| 36 | 4233 | 4234 | SN | 1 | 0.0 | 25.893 | 9.307  | 0.0 | 26.753 | 9.25   | 0.0 | 197.376 | 3.567  | 0.0 | 14.935 | 3.811  | 0.0 | 1.88  | 0.0 | 0.0 | 1.955 | 0.0 | 0.0 | 2.058 | 0.0 | 0.0 | 2.103 | 0.0 |
| 37 | 4233 | 4234 | SN | 1 | 0.0 | 34.187 | 15.75  | 0.0 | 27.183 | 14.483 | 0.0 | 193.466 | 12.5   | 0.0 | 79.981 | 13.122 | 0.0 | 1.887 | 0.0 | 0.0 | 1.941 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.126 | 0.0 |
| 38 | 4233 | 4234 | SN | 1 | 0.0 | 34.187 | 15.741 | 0.0 | 25.954 | 14.211 | 0.0 | 193.466 | 12.594 | 0.0 | 21.122 | 12.77  | 0.0 | 1.887 | 0.0 | 0.0 | 1.941 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.126 | 0.0 |
| 39 | 4233 | 4234 | SN | 1 | 0.0 | 31.816 | 15.731 | 0.0 | 27.183 | 14.516 | 0.0 | 193.466 | 12.5   | 0.0 | 79.981 | 13.231 | 0.0 | 1.887 | 0.0 | 0.0 | 1.941 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.126 | 0.0 |
| 40 | 4234 | 4235 | NS | 1 | 0.0 | 26.842 | 8.86   | 0.0 | 25.783 | 8.639  | 0.0 | 349.284 | 2.865  | 0.0 | 57.863 | 2.532  | 0.0 | 1.909 | 0.0 | 0.0 | 1.861 | 0.0 | 0.0 | 2.051 | 0.0 | 0.0 | 2.031 | 0.0 |
| 41 | 4234 | 4235 | SN | 1 | 0.0 | 34.116 | 15.704 | 0.0 | 27.244 | 14.437 | 0.0 | 224.67  | 12.601 | 0.0 | 72.737 | 13.104 | 0.0 | 1.891 | 0.0 | 0.0 | 1.969 | 0.0 | 0.0 | 2.06  | 0.0 | 0.0 | 2.106 | 0.0 |
| 42 | 4234 | 4235 | NS | 1 | 0.0 | 26.842 | 8.862  | 0.0 | 25.783 | 8.632  | 0.0 | 349.29  | 2.866  | 0.0 | 57.88  | 2.528  | 0.0 | 1.909 | 0.0 | 0.0 | 1.861 | 0.0 | 0.0 | 2.051 | 0.0 | 0.0 | 2.031 | 0.0 |
| 43 | 4234 | 4235 | SN | 1 | 0.0 | 34.116 | 15.706 | 0.0 | 25.959 | 14.068 | 0.0 | 224.654 | 12.73  | 0.0 | 18.448 | 12.582 | 0.0 | 1.89  | 0.0 | 0.0 | 1.969 | 0.0 | 0.0 | 2.06  | 0.0 | 0.0 | 2.106 | 0.0 |
| 44 | 4234 | 4235 | NS | 1 | 0.0 | 25.904 | 15.059 | 0.0 | 33.967 | 15.171 | 0.0 | 355.081 | 10.927 | 0.0 | 45.422 | 10.912 | 0.0 | 1.926 | 0.0 | 0.0 | 1.872 | 0.0 | 0.0 | 2.057 | 0.0 | 0.0 | 2.032 | 0.0 |
| 45 | 4234 | 4235 | NS | 1 | 0.0 | 25.904 | 15.069 | 0.0 | 33.961 | 15.161 | 0.0 | 355.086 | 10.927 | 0.0 | 45.416 | 10.927 | 0.0 | 1.926 | 0.0 | 0.0 | 1.872 | 0.0 | 0.0 | 2.057 | 0.0 | 0.0 | 2.032 | 0.0 |
| 46 | 4234 | 4235 | SN | 1 | 0.0 | 31.772 | 15.687 | 0.0 | 27.244 | 14.463 | 0.0 | 224.654 | 12.608 | 0.0 | 72.748 | 13.22  | 0.0 | 1.89  | 0.0 | 0.0 | 1.969 | 0.0 | 0.0 | 2.06  | 0.0 | 0.0 | 2.106 | 0.0 |
| 47 | 4234 | 4235 | SN | 1 | 0.0 | 25.909 | 9.276  | 0.0 | 26.742 | 9.257  | 0.0 | 221.405 | 3.581  | 0.0 | 14.333 | 3.792  | 0.0 | 1.88  | 0.0 | 0.0 | 1.951 | 0.0 | 0.0 | 2.055 | 0.0 | 0.0 | 2.099 | 0.0 |
| 48 | 4235 | 4236 | NS | 1 | 0.0 | 26.825 | 8.868  | 0.0 | 25.794 | 8.65   | 0.0 | 352.103 | 2.87   | 0.0 | 58.724 | 2.507  | 0.0 | 1.912 | 0.0 | 0.0 | 1.861 | 0.0 | 0.0 | 2.053 | 0.0 | 0.0 | 2.031 | 0.0 |
| 49 | 4235 | 4236 | SN | 1 | 0.0 | 31.766 | 15.618 | 0.0 | 27.244 | 14.514 | 0.0 | 212.647 | 12.629 | 0.0 | 74.017 | 13.184 | 0.0 | 1.888 | 0.0 | 0.0 | 1.97  | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.108 | 0.0 |
| 50 | 4235 | 4236 | NS | 1 | 0.0 | 26.825 | 8.859  | 0.0 | 25.794 | 8.646  | 0.0 | 352.108 | 2.871  | 0.0 | 58.74  | 2.505  | 0.0 | 1.912 | 0.0 | 0.0 | 1.861 | 0.0 | 0.0 | 2.053 | 0.0 | 0.0 | 2.031 | 0.0 |
| 51 | 4235 | 4236 | SN | 1 | 0.0 | 34.138 | 15.625 | 0.0 | 27.244 | 14.477 | 0.0 | 212.603 | 12.63  | 0.0 | 73.989 | 13.076 | 0.0 | 1.888 | 0.0 | 0.0 | 1.97  | 0.0 | 0.0 | 2.058 | 0.0 | 0.0 | 2.108 | 0.0 |
| 52 | 4235 | 4236 | SN | 1 | 0.0 | 34.143 | 15.638 | 0.0 | 25.943 | 13.902 | 0.0 | 212.647 | 12.781 | 0.0 | 15.585 | 12.369 | 0.0 | 1.888 | 0.0 | 0.0 | 1.97  | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.108 | 0.0 |
| 53 | 4235 | 4236 | NS | 1 | 0.0 | 25.893 | 15.019 | 0.0 | 33.972 | 15.11  | 0.0 | 352.003 | 10.883 | 0.0 | 46.034 | 10.962 | 0.0 | 1.923 | 0.0 | 0.0 | 1.873 | 0.0 | 0.0 | 2.057 | 0.0 | 0.0 | 2.033 | 0.0 |
| 54 | 4235 | 4236 | SN | 1 | 0.0 | 25.893 | 9.304  | 0.0 | 26.737 | 9.221  | 0.0 | 188.872 | 3.617  | 0.0 | 14.212 | 3.742  | 0.0 | 1.88  | 0.0 | 0.0 | 1.952 | 0.0 | 0.0 | 2.056 | 0.0 | 0.0 | 2.107 | 0.0 |
| 55 | 4235 | 4236 | NS | 1 | 0.0 | 25.893 | 15.019 | 0.0 | 33.972 | 15.11  | 0.0 | 352.009 | 10.89  | 0.0 | 46.039 | 10.955 | 0.0 | 1.922 | 0.0 | 0.0 | 1.873 | 0.0 | 0.0 | 2.057 | 0.0 | 0.0 | 2.033 | 0.0 |
| 56 | 4236 | 4237 | NS | 1 | 0.0 | 25.909 | 15.079 | 0.0 | 33.967 | 15.089 | 0.0 | 352.279 | 10.918 | 0.0 | 52.856 | 10.919 | 0.0 | 1.922 | 0.0 | 0.0 | 1.872 | 0.0 | 0.0 | 2.063 | 0.0 | 0.0 | 2.033 | 0.0 |
| 57 | 4236 | 4237 | SN | 1 | 0.0 | 34.132 | 15.678 | 0.0 | 25.954 | 14.261 | 0.0 | 166.986 | 12.74  | 0.0 | 22.319 | 12.841 | 0.0 | 1.887 | 0.0 | 0.0 | 1.952 | 0.0 | 0.0 | 2.054 | 0.0 | 0.0 | 2.099 | 0.0 |
| 58 | 4236 | 4237 | SN | 1 | 0.0 | 31.678 | 15.657 | 0.0 | 27.239 | 14.523 | 0.0 | 166.986 | 12.647 | 0.0 | 90.678 | 13.233 | 0.0 | 1.887 | 0.0 | 0.0 | 1.952 | 0.0 | 0.0 | 2.054 | 0.0 | 0.0 | 2.099 | 0.0 |
| 59 | 4236 | 4237 | NS | 1 | 0.0 | 26.847 | 8.852  | 0.0 | 25.788 | 8.699  | 0.0 | 350.183 | 2.841  | 0.0 | 59.81  | 2.493  | 0.0 | 1.908 | 0.0 | 0.0 | 1.862 | 0.0 | 0.0 | 2.056 | 0.0 | 0.0 | 2.032 | 0.0 |
| 60 | 4236 | 4237 | NS | 1 | 0.0 | 26.814 | 8.863  | 0.0 | 25.794 | 8.679  | 0.0 | 356.89  | 2.856  | 0.0 | 72.098 | 2.505  | 0.0 | 1.915 | 0.0 | 0.0 | 1.861 | 0.0 | 0.0 | 2.06  | 0.0 | 0.0 | 2.032 | 0.0 |
| 61 | 4236 | 4237 | SN | 1 | 0.0 | 34.132 | 15.674 | 0.0 | 27.233 | 14.487 | 0.0 | 166.986 | 12.647 | 0.0 | 90.645 | 13.118 | 0.0 | 1.887 | 0.0 | 0.0 | 1.952 | 0.0 | 0.0 | 2.054 | 0.0 | 0.0 | 2.099 | 0.0 |
| 62 | 4236 | 4237 | SN | 1 | 0.0 | 25.898 | 9.282  | 0.0 | 26.742 | 9.301  | 0.0 | 186.881 | 3.592  | 0.0 | 14.896 | 3.838  | 0.0 | 1.879 | 0.0 | 0.0 | 1.949 | 0.0 | 0.0 | 2.053 | 0.0 | 0.0 | 2.106 | 0.0 |
| 63 | 4236 | 4237 | NS | 1 | 0.0 | 25.921 | 15.071 | 0.0 | 33.967 | 15.095 | 0.0 | 352.279 | 10.921 | 0.0 | 51.549 | 11.008 | 0.0 | 1.918 | 0.0 | 0.0 | 1.872 | 0.0 | 0.0 | 2.057 | 0.0 | 0.0 | 2.033 | 0.0 |
| 64 | 4237 | 4238 | SN | 1 | 0.0 | 32.213 | 15.719 | 0.0 | 26.577 | 14.46  | 0.0 | 173.626 | 12.57  | 0.0 | 71.894 | 13.183 | 0.0 | 1.888 | 0.0 | 0.0 | 1.94  | 0.0 | 0.0 | 2.055 | 0.0 | 0.0 | 2.119 | 0.0 |
| 65 | 4237 | 4238 | NS | 1 | 0.0 | 25.915 | 15.103 | 0.0 | 33.994 | 15.107 | 0.0 | 357.022 | 10.933 | 0.0 | 52.409 | 11.001 | 0.0 | 1.924 | 0.0 | 0.0 | 1.873 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.033 | 0.0 |
| 66 | 4237 | 4238 | SN | 1 | 0.0 | 34.149 | 15.765 | 0.0 | 25.65  | 13.551 | 0.0 | 173.626 | 12.812 | 0.0 | 14.885 | 11.896 | 0.0 | 1.888 | 0.0 | 0.0 | 1.94  | 0.0 | 0.0 | 2.055 | 0.0 | 0.0 | 2.119 | 0.0 |
| 67 | 4237 | 4238 | NS | 1 | 0.0 | 25.909 | 15.103 | 0.0 | 33.994 | 15.127 | 0.0 | 357.027 | 10.926 | 0.0 | 52.442 | 10.994 | 0.0 | 1.923 | 0.0 | 0.0 | 1.874 | 0.0 | 0.0 | 2.058 | 0.0 | 0.0 | 2.033 | 0.0 |
| 68 | 4237 | 4238 | SN | 1 | 0.0 | 25.893 | 9.286  | 0.0 | 26.737 | 9.132  | 0.0 | 168.693 | 3.663  | 0.0 | 14.207 | 3.674  | 0.0 | 1.879 | 0.0 | 0.0 | 1.952 | 0.0 | 0.0 | 2.051 | 0.0 | 0.0 | 2.111 | 0.0 |





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

|     |      |      |    |   |       |        |        |     |        |        |     |         |        |     |        |        |     |       |     |     |       |     |     |       |     |     |       |     |
|-----|------|------|----|---|-------|--------|--------|-----|--------|--------|-----|---------|--------|-----|--------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 69  | 4238 | 4239 | SN | 1 | 0.0   | 25.898 | 9.219  | 0.0 | 26.731 | 9.383  | 0.0 | 342.418 | 3.537  | 0.0 | 74.348 | 3.948  | 0.0 | 1.88  | 0.0 | 0.0 | 1.95  | 0.0 | 0.0 | 2.051 | 0.0 | 0.0 | 2.109 | 0.0 |
| 70  | 4238 | 4239 | SN | 1 | 0.0   | 34.11  | 15.926 | 0.0 | 24.906 | 13.478 | 0.0 | 351.071 | 12.842 | 0.0 | 14.879 | 11.719 | 0.0 | 1.888 | 0.0 | 0.0 | 1.959 | 0.0 | 0.0 | 2.054 | 0.0 | 0.0 | 2.116 | 0.0 |
| 71  | 4238 | 4239 | NS | 1 | 0.0   | 25.904 | 15.095 | 0.0 | 34.039 | 15.146 | 0.0 | 357.149 | 10.897 | 0.0 | 53.347 | 11.043 | 0.0 | 1.92  | 0.0 | 0.0 | 1.87  | 0.0 | 0.0 | 2.058 | 0.0 | 0.0 | 2.032 | 0.0 |
| 72  | 4238 | 4239 | NS | 1 | 0.0   | 25.904 | 15.095 | 0.0 | 34.039 | 15.146 | 0.0 | 357.149 | 10.897 | 0.0 | 53.347 | 11.043 | 0.0 | 1.92  | 0.0 | 0.0 | 1.87  | 0.0 | 0.0 | 2.058 | 0.0 | 0.0 | 2.032 | 0.0 |
| 73  | 4238 | 4239 | SN | 1 | 0.0   | 32.097 | 15.721 | 0.0 | 27.156 | 14.501 | 0.0 | 351.071 | 12.529 | 0.0 | 73.173 | 13.157 | 0.0 | 1.888 | 0.0 | 0.0 | 1.959 | 0.0 | 0.0 | 2.054 | 0.0 | 0.0 | 2.116 | 0.0 |
| 74  | 4238 | 4239 | SN | 1 | 0.0   | 34.11  | 15.738 | 0.0 | 27.156 | 14.444 | 0.0 | 351.071 | 12.529 | 0.0 | 73.173 | 13.042 | 0.0 | 1.888 | 0.0 | 0.0 | 1.959 | 0.0 | 0.0 | 2.054 | 0.0 | 0.0 | 2.116 | 0.0 |
| 75  | 4238 | 4239 | SN | 1 | 0.0   | 25.898 | 9.317  | 0.0 | 26.731 | 9.074  | 0.0 | 342.418 | 3.681  | 0.0 | 14.201 | 3.673  | 0.0 | 1.88  | 0.0 | 0.0 | 1.95  | 0.0 | 0.0 | 2.051 | 0.0 | 0.0 | 2.109 | 0.0 |
| 76  | 4238 | 4239 | NS | 1 | 0.0   | 26.861 | 8.88   | 0.0 | 25.783 | 8.682  | 0.0 | 345.352 | 2.859  | 0.0 | 50.65  | 2.524  | 0.0 | 1.904 | 0.0 | 0.0 | 1.861 | 0.0 | 0.0 | 2.052 | 0.0 | 0.0 | 2.031 | 0.0 |
| 77  | 4238 | 4239 | NS | 1 | 0.0   | 26.861 | 8.88   | 0.0 | 25.783 | 8.682  | 0.0 | 345.352 | 2.859  | 0.0 | 50.65  | 2.524  | 0.0 | 1.904 | 0.0 | 0.0 | 1.861 | 0.0 | 0.0 | 2.052 | 0.0 | 0.0 | 2.031 | 0.0 |
| 78  | 4239 | 4240 | NS | 1 | 0.0   | 25.932 | 15.073 | 0.0 | 35.974 | 15.126 | 0.0 | 357.331 | 10.905 | 0.0 | 53.859 | 11.042 | 0.0 | 1.919 | 0.0 | 0.0 | 1.87  | 0.0 | 0.0 | 2.057 | 0.0 | 0.0 | 2.031 | 0.0 |
| 79  | 4239 | 4240 | SN | 1 | 0.0   | 34.171 | 15.729 | 0.0 | 27.156 | 14.482 | 0.0 | 351.176 | 12.528 | 0.0 | 74.342 | 13.021 | 0.0 | 1.888 | 0.0 | 0.0 | 1.95  | 0.0 | 0.0 | 2.06  | 0.0 | 0.0 | 2.117 | 0.0 |
| 80  | 4239 | 4240 | NS | 1 | 0.0   | 25.932 | 15.073 | 0.0 | 35.974 | 15.126 | 0.0 | 357.331 | 10.905 | 0.0 | 53.859 | 11.042 | 0.0 | 1.919 | 0.0 | 0.0 | 1.87  | 0.0 | 0.0 | 2.057 | 0.0 | 0.0 | 2.031 | 0.0 |
| 81  | 4239 | 4240 | NS | 1 | 0.0   | 25.909 | 15.02  | 0.0 | 34.05  | 15.011 | 0.0 | 351.904 | 10.923 | 0.0 | 53.859 | 10.996 | 0.0 | 1.914 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.057 | 0.0 | 0.0 | 2.034 | 0.0 |
| 82  | 4240 | 4241 | NS | 1 | 0.0   | 25.904 | 15.011 | 0.0 | 34.022 | 14.921 | 0.0 | 357.606 | 10.973 | 0.0 | 54.135 | 10.911 | 0.0 | 1.922 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.058 | 0.0 | 0.0 | 2.032 | 0.0 |
| 83  | 4240 | 4241 | SN | 1 | 0.0   | 34.215 | 15.659 | 0.0 | 27.217 | 14.451 | 0.0 | 161.49  | 12.593 | 0.0 | 70.697 | 13.064 | 0.0 | 1.888 | 0.0 | 0.0 | 1.946 | 0.0 | 0.0 | 2.061 | 0.0 | 0.0 | 2.117 | 0.0 |
| 84  | 4240 | 4241 | NS | 1 | 0.0   | 26.875 | 8.88   | 0.0 | 25.788 | 8.658  | 0.0 | 345.882 | 2.822  | 0.0 | 73.769 | 2.509  | 0.0 | 1.916 | 0.0 | 0.0 | 1.86  | 0.0 | 0.0 | 2.053 | 0.0 | 0.0 | 2.03  | 0.0 |
| 85  | 4241 | 4242 | NS | 1 | 0.0   | 25.948 | 15.11  | 0.0 | 33.846 | 15.038 | 0.0 | 98.302  | 10.925 | 0.0 | 53.953 | 10.981 | 0.0 | 1.921 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.057 | 0.0 | 0.0 | 2.032 | 0.0 |
| 86  | 4241 | 4242 | NS | 1 | 0.0   | 26.869 | 8.88   | 0.0 | 25.777 | 8.683  | 0.0 | 350.222 | 2.839  | 0.0 | 69.252 | 2.513  | 0.0 | 1.913 | 0.0 | 0.0 | 1.86  | 0.0 | 0.0 | 2.053 | 0.0 | 0.0 | 2.031 | 0.0 |
| 87  | 4241 | 4242 | SN | 1 | 0.0   | 34.21  | 15.634 | 0.0 | 27.272 | 14.491 | 0.0 | 170.088 | 12.675 | 0.0 | 72.462 | 13.018 | 0.0 | 1.888 | 0.0 | 0.0 | 1.938 | 0.0 | 0.0 | 2.063 | 0.0 | 0.0 | 2.108 | 0.0 |
| 88  | 4242 | 4243 | NS | 1 | 0.0   | 26.858 | 9.012  | 0.0 | 25.788 | 8.666  | 0.0 | 356.217 | 2.936  | 0.0 | 11.758 | 2.453  | 0.0 | 1.913 | 0.0 | 0.0 | 1.861 | 0.0 | 0.0 | 2.051 | 0.0 | 0.0 | 2.032 | 0.0 |
| 89  | 4242 | 4243 | SN | 1 | 0.0   | 34.149 | 15.695 | 0.0 | 27.205 | 14.5   | 0.0 | 197.161 | 12.689 | 0.0 | 73.945 | 13.047 | 0.0 | 1.888 | 0.0 | 0.0 | 1.966 | 0.0 | 0.0 | 2.063 | 0.0 | 0.0 | 2.106 | 0.0 |
| 90  | 4242 | 4243 | NS | 1 | 0.0   | 25.904 | 15.271 | 0.0 | 31.016 | 14.571 | 0.0 | 342.12  | 11.154 | 0.0 | 14.653 | 10.603 | 0.0 | 1.92  | 0.0 | 0.0 | 1.87  | 0.0 | 0.0 | 2.057 | 0.0 | 0.0 | 2.031 | 0.0 |
| 91  | 4242 | 4243 | NS | 1 | 0.0   | 25.904 | 15.1   | 0.0 | 33.89  | 15.056 | 0.0 | 342.12  | 10.882 | 0.0 | 54.896 | 10.966 | 0.0 | 1.92  | 0.0 | 0.0 | 1.87  | 0.0 | 0.0 | 2.057 | 0.0 | 0.0 | 2.031 | 0.0 |
| 92  | 4242 | 4243 | NS | 1 | 0.0   | 26.858 | 8.869  | 0.0 | 25.788 | 8.667  | 0.0 | 356.217 | 2.846  | 0.0 | 70.41  | 2.516  | 0.0 | 1.913 | 0.0 | 0.0 | 1.861 | 0.0 | 0.0 | 2.051 | 0.0 | 0.0 | 2.032 | 0.0 |
| 93  | 4243 | 4244 | SN | 1 | 0.0   | 34.165 | 15.785 | 0.0 | 26.5   | 14.473 | 0.0 | 164.479 | 12.668 | 0.0 | 69.974 | 13.066 | 0.0 | 1.887 | 0.0 | 0.0 | 1.937 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.111 | 0.0 |
| 94  | 4243 | 4244 | SN | 1 | 0.0   | 34.165 | 15.775 | 0.0 | 26.505 | 14.463 | 0.0 | 164.325 | 12.668 | 0.0 | 70.029 | 13.094 | 0.0 | 1.887 | 0.0 | 0.0 | 1.937 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.115 | 0.0 |
| 95  | 4243 | 4244 | NS | 1 | 0.0   | 26.814 | 9.076  | 0.0 | 25.788 | 8.693  | 0.0 | 345.319 | 2.959  | 0.0 | 12.734 | 2.51   | 0.0 | 1.91  | 0.0 | 0.0 | 1.861 | 0.0 | 0.0 | 2.053 | 0.0 | 0.0 | 2.031 | 0.0 |
| 96  | 4243 | 4244 | NS | 1 | 0.0   | 25.904 | 15.123 | 0.0 | 33.895 | 15.075 | 0.0 | 332.315 | 10.907 | 0.0 | 55.922 | 11.008 | 0.0 | 1.92  | 0.0 | 0.0 | 1.872 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.031 | 0.0 |
| 97  | 4243 | 4244 | NS | 1 | 0.0   | 26.814 | 8.879  | 0.0 | 25.788 | 8.677  | 0.0 | 345.319 | 2.84   | 0.0 | 55.277 | 2.539  | 0.0 | 1.91  | 0.0 | 0.0 | 1.861 | 0.0 | 0.0 | 2.053 | 0.0 | 0.0 | 2.031 | 0.0 |
| 98  | 4243 | 4244 | NS | 1 | 0.006 | 25.904 | 15.387 | 0.0 | 31.016 | 14.498 | 0.0 | 332.315 | 11.295 | 0.0 | 13.611 | 10.604 | 0.0 | 1.92  | 0.0 | 0.0 | 1.872 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.031 | 0.0 |
| 99  | 4244 | 4245 | NS | 1 | 0.0   | 25.904 | 15.038 | 0.0 | 33.906 | 15.062 | 0.0 | 356.708 | 10.958 | 0.0 | 37.91  | 10.999 | 0.0 | 1.921 | 0.0 | 0.0 | 1.87  | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.037 | 0.0 |
| 100 | 4244 | 4245 | SN | 1 | 0.0   | 31.86  | 15.653 | 0.0 | 26.527 | 14.469 | 0.0 | 227.124 | 12.633 | 0.0 | 79.48  | 13.138 | 0.0 | 1.887 | 0.0 | 0.0 | 1.959 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.113 | 0.0 |
| 101 | 4244 | 4245 | SN | 1 | 0.0   | 34.083 | 15.784 | 0.0 | 25.507 | 13.508 | 0.0 | 227.124 | 12.917 | 0.0 | 14.891 | 11.754 | 0.0 | 1.887 | 0.0 | 0.0 | 1.959 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.113 | 0.0 |
| 102 | 4244 | 4245 | NS | 1 | 0.0   | 25.926 | 15.714 | 0.0 | 31.022 | 14.129 | 0.0 | 356.702 | 12.324 | 0.0 | 13.462 | 10.58  | 0.0 | 1.921 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.037 | 0.0 |
| 103 | 4244 | 4245 | NS | 1 | 0.0   | 26.819 | 9.569  | 0.0 | 25.794 | 8.958  | 0.0 | 356.702 | 3.244  | 0.0 | 12.74  | 2.733  | 0.0 | 1.913 | 0.0 | 0.0 | 1.861 | 0.0 | 0.0 | 2.055 | 0.0 | 0.0 | 2.031 | 0.0 |
| 104 | 4244 | 4245 | SN | 1 | 0.0   | 34.083 | 15.67  | 0.0 | 26.577 | 14.445 | 0.0 | 227.124 | 12.633 | 0.0 | 79.48  | 13.029 | 0.0 | 1.887 | 0.0 | 0.0 | 1.959 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.113 | 0.0 |
| 105 | 4244 | 4245 | NS | 1 | 0.0   | 25.926 | 15.008 | 0.0 | 33.901 | 15.084 | 0.0 | 356.702 | 10.945 | 0.0 | 37.998 | 11.013 | 0.0 | 1.921 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.037 | 0.0 |

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



|     |      |      |    |   |     |        |       |     |        |       |     |         |       |     |        |       |     |       |     |     |       |     |     |       |     |     |       |     |
|-----|------|------|----|---|-----|--------|-------|-----|--------|-------|-----|---------|-------|-----|--------|-------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 106 | 4244 | 4245 | SN | 1 | 0.0 | 25.915 | 9.312 | 0.0 | 26.742 | 9.137 | 0.0 | 187.334 | 3.694 | 0.0 | 14.201 | 3.673 | 0.0 | 1.881 | 0.0 | 0.0 | 1.949 | 0.0 | 0.0 | 2.057 | 0.0 | 0.0 | 2.107 | 0.0 |
|-----|------|------|----|---|-----|--------|-------|-----|--------|-------|-----|---------|-------|-----|--------|-------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|

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