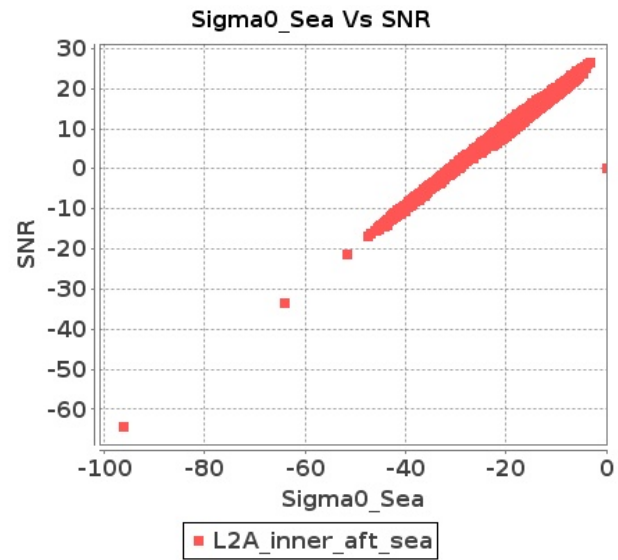


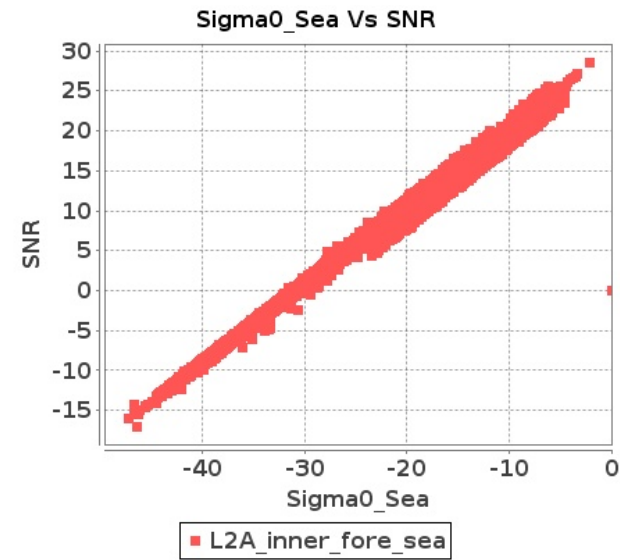
# SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 04-APR-2019 To 05-APR-2019

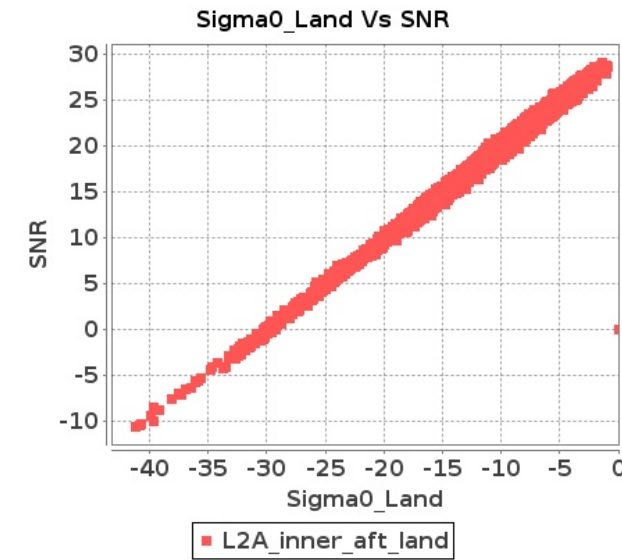
### Inner Sea Aft Sigma0VsSNR



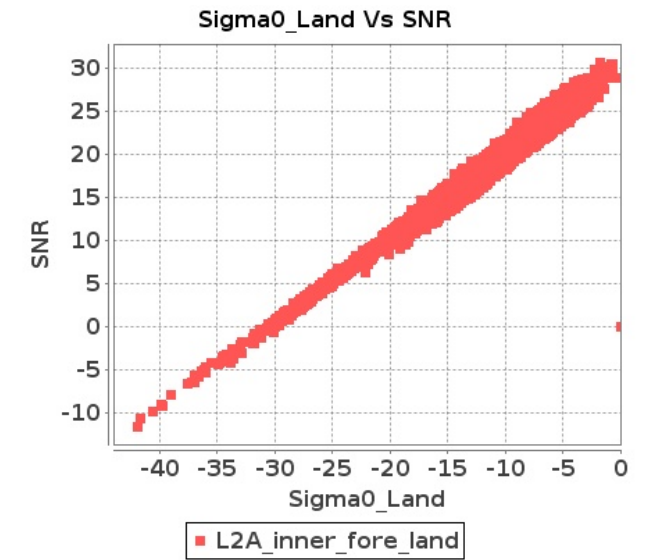
### Inner Sea Fore Sigma0VsSNR



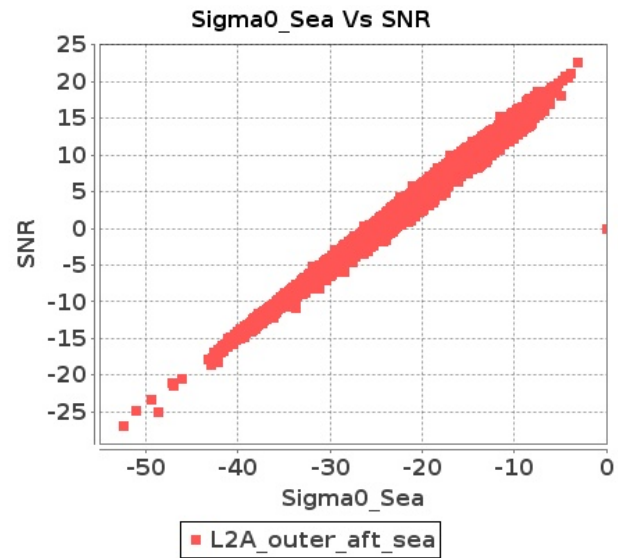
### Inner Land Aft Sigma0VsSNR



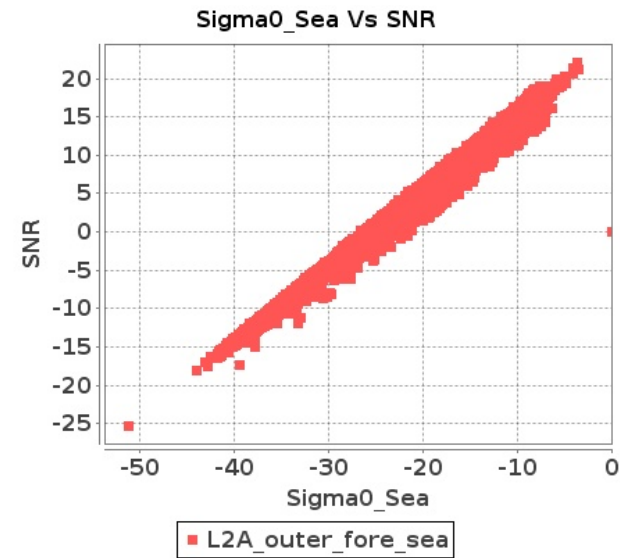
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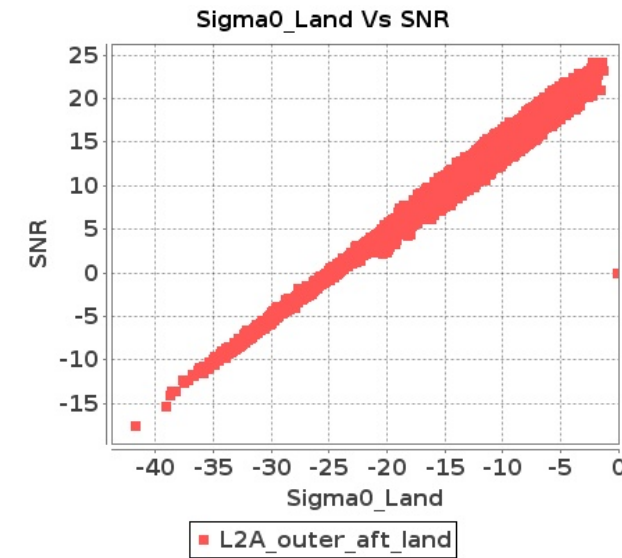
### Outer Sea Aft Sigma0VsSNR



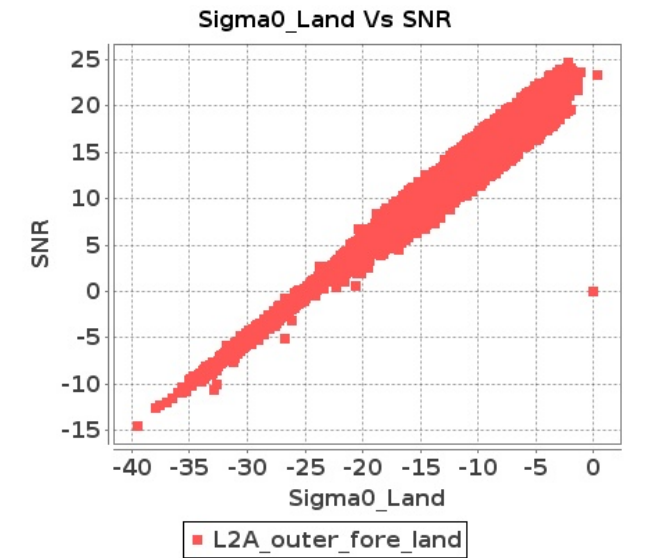
### Outer Sea Fore Sigma0VsSNR



### Outer Land Aft Sigma0VsSNR



### Outer Land Fore Sigma0VsSNR



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

Report between 04-APR-2019 To 05-APR-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     | 13337       | 13338     | NS   | 1    | 0.0       | 49.139 | 2.063      | 0.0        | 48.602 | 2.611      | 0.0       | 47.545 | 1.522      | 0.0        | 51.971 | 1.99       | 0.0       | 48.472 | 2.061      | 0.0        | 49.776 | 2.488      | 0.0       | 46.438 | 1.467      | 0.0        | 46.014 | 1.677      |
| 2     | 13337       | 13338     | NS   | 1    | 0.0       | 56.86  | 8.08       | 0.0        | 55.905 | 9.42       | 0.0       | 50.714 | 6.133      | 0.0        | 51.399 | 6.956      | 0.0       | 57.159 | 8.303      | 0.0        | 54.171 | 9.115      | 0.0       | 51.46  | 5.891      | 0.0        | 48.896 | 6.345      |
| 3     | 13337       | 13338     | SN   | 1    | 0.0       | 57.443 | 5.205      | 0.0        | 50.825 | 6.123      | 0.0       | 45.319 | 3.605      | 0.0        | 48.836 | 4.972      | 0.0       | 58.881 | 5.205      | 0.0        | 51.685 | 5.809      | 0.0       | 46.278 | 3.459      | 0.0        | 51.119 | 4.43       |
| 4     | 13337       | 13338     | SN   | 1    | 0.0       | 57.443 | 5.069      | 0.0        | 50.24  | 5.967      | 0.0       | 45.319 | 3.503      | 0.0        | 48.836 | 4.83       | 0.0       | 58.881 | 5.069      | 0.0        | 51.685 | 5.661      | 0.0       | 46.278 | 3.375      | 0.0        | 51.119 | 4.309      |
| 5     | 13337       | 13338     | SN   | 1    | 0.0       | 57.443 | 5.069      | 0.0        | 50.24  | 5.967      | 0.0       | 45.319 | 3.503      | 0.0        | 48.836 | 4.837      | 0.0       | 58.881 | 5.069      | 0.0        | 51.685 | 5.661      | 0.0       | 46.278 | 3.375      | 0.0        | 51.119 | 4.316      |
| 6     | 13337       | 13338     | SN   | 1    | 0.0       | 45.486 | 1.156      | 0.0        | 46.238 | 1.613      | 0.0       | 38.202 | 0.954      | 0.0        | 47.139 | 1.348      | 0.0       | 45.751 | 1.165      | 0.0        | 45.409 | 1.472      | 0.0       | 37.563 | 0.92       | 0.0        | 48.152 | 1.202      |
| 7     | 13337       | 13338     | SN   | 1    | 0.0       | 45.486 | 1.158      | 0.0        | 46.238 | 1.611      | 0.0       | 38.202 | 0.958      | 0.0        | 47.139 | 1.352      | 0.0       | 45.751 | 1.167      | 0.0        | 45.218 | 1.474      | 0.0       | 37.563 | 0.922      | 0.0        | 48.152 | 1.204      |
| 8     | 13337       | 13338     | SN   | 1    | 0.0       | 45.486 | 1.187      | 0.0        | 53.72  | 1.657      | 0.0       | 38.202 | 0.985      | 0.0        | 47.139 | 1.393      | 0.0       | 45.751 | 1.197      | 0.0        | 55.772 | 1.51       | 0.0       | 37.563 | 0.945      | 0.0        | 48.152 | 1.238      |
| 9     | 13338       | 13339     | SN   | 1    | 0.0       | 41.306 | 0.834      | 0.0        | 45.811 | 1.289      | 0.0       | 41.682 | 0.955      | 0.0        | 41.31  | 1.5        | 0.0       | 41.437 | 0.847      | 0.0        | 44.094 | 1.178      | 0.0       | 41.596 | 0.935      | 0.0        | 42.196 | 1.257      |
| 10    | 13338       | 13339     | NS   | 1    | 0.0       | 44.25  | 1.771      | 0.0        | 45.753 | 2.092      | 0.0       | 41.328 | 1.435      | 0.0        | 44.835 | 1.798      | 0.0       | 45.299 | 1.796      | 0.0        | 44.738 | 2.042      | 0.0       | 43.241 | 1.444      | 0.0        | 42.112 | 1.769      |
| 11    | 13338       | 13339     | NS   | 1    | 0.0       | 44.25  | 1.762      | 0.0        | 45.807 | 2.094      | 0.0       | 39.51  | 1.426      | 0.0        | 47.227 | 1.808      | 0.0       | 45.299 | 1.782      | 0.0        | 44.791 | 2.049      | 0.0       | 43.241 | 1.426      | 0.0        | 42.113 | 1.751      |
| 12    | 13338       | 13339     | SN   | 1    | 0.0       | 52.023 | 3.263      | 0.0        | 55.404 | 3.877      | 0.0       | 45.841 | 2.999      | 0.0        | 46.637 | 4.13       | 0.0       | 54.146 | 3.345      | 0.0        | 56.504 | 3.66       | 0.0       | 46.197 | 2.883      | 0.0        | 46.204 | 3.716      |
| 13    | 13338       | 13339     | SN   | 1    | 0.0       | 52.023 | 3.263      | 0.0        | 55.404 | 3.867      | 0.0       | 45.428 | 2.999      | 0.0        | 46.637 | 4.119      | 0.0       | 54.146 | 3.345      | 0.0        | 56.504 | 3.65       | 0.0       | 45.783 | 2.891      | 0.0        | 46.204 | 3.706      |
| 14    | 13338       | 13339     | NS   | 1    | 0.0       | 53.013 | 5.677      | 0.0        | 53.203 | 5.913      | 0.0       | 46.487 | 4.611      | 0.0        | 50.228 | 5.336      | 0.0       | 53.051 | 5.637      | 0.0        | 52.98  | 5.679      | 0.0       | 47.7   | 4.774      | 0.0        | 47.676 | 5.286      |
| 15    | 13338       | 13339     | NS   | 1    | 0.0       | 52.745 | 5.698      | 0.0        | 51.62  | 5.943      | 0.0       | 46.486 | 4.611      | 0.0        | 50.896 | 5.343      | 0.0       | 53.001 | 5.627      | 0.0        | 51.396 | 5.72       | 0.0       | 47.699 | 4.789      | 0.0        | 48.346 | 5.251      |
| 16    | 13338       | 13339     | SN   | 1    | 0.0       | 52.023 | 3.217      | 0.0        | 55.404 | 3.818      | 0.0       | 44.503 | 2.992      | 0.0        | 46.637 | 4.073      | 0.0       | 54.146 | 3.298      | 0.0        | 56.504 | 3.604      | 0.0       | 44.848 | 2.857      | 0.0        | 46.204 | 3.659      |
| 17    | 13338       | 13339     | SN   | 1    | 0.0       | 41.306 | 0.822      | 0.0        | 45.811 | 1.273      | 0.0       | 41.682 | 0.95       | 0.0        | 41.31  | 1.48       | 0.0       | 41.437 | 0.835      | 0.0        | 44.094 | 1.163      | 0.0       | 41.596 | 0.931      | 0.0        | 42.196 | 1.241      |
| 18    | 13338       | 13339     | SN   | 1    | 0.0       | 41.306 | 0.834      | 0.0        | 45.811 | 1.291      | 0.0       | 41.682 | 0.959      | 0.0        | 41.31  | 1.502      | 0.0       | 41.437 | 0.847      | 0.0        | 44.094 | 1.18       | 0.0       | 41.596 | 0.939      | 0.0        | 42.196 | 1.259      |
| 19    | 13339       | 13340     | SN   | 1    | 0.0       | 38.417 | 3.512      | 0.0        | 50.137 | 4.959      | 0.0       | 40.914 | 4.297      | 0.0        | 45.49  | 6.043      | 0.0       | 38.652 | 3.41       | 0.0        | 51.491 | 4.731      | 0.0       | 40.539 | 4.297      | 0.0        | 44.471 | 5.891      |
| 20    | 13339       | 13340     | NS   | 1    | 0.0       | 49.847 | 5.986      | 0.0        | 47.977 | 7.635      | 0.0       | 49.792 | 6.07       | 0.0        | 43.078 | 7.883      | 0.0       | 50.81  | 6.159      | 0.0        | 50.367 | 7.818      | 0.0       | 48.519 | 6.212      | 0.0        | 42.714 | 8.061      |
| 21    | 13339       | 13340     | SN   | 1    | 0.0       | 38.638 | 0.939      | 0.0        | 36.396 | 1.633      | 0.0       | 36.102 | 1.403      | 0.0        | 41.226 | 2.139      | 0.0       | 37.549 | 0.916      | 0.0        | 36.392 | 1.534      | 0.0       | 36.868 | 1.355      | 0.0        | 42.845 | 1.87       |
| 22    | 13339       | 13340     | NS   | 1    | 0.0       | 46.384 | 1.985      | 0.0        | 43.775 | 2.57       | 0.0       | 41.258 | 1.952      | 0.0        | 43.449 | 2.509      | 0.0       | 46.573 | 2.01       | 0.0        | 42.684 | 2.593      | 0.0       | 41.424 | 2.021      | 0.0        | 40.566 | 2.504      |
| 23    | 13339       | 13340     | SN   | 1    | 0.0       | 38.455 | 0.953      | 0.0        | 38.766 | 1.638      | 0.0       | 34.894 | 1.427      | 0.0        | 39.071 | 2.089      | 0.0       | 37.135 | 0.939      | 0.0        | 36.767 | 1.564      | 0.0       | 36.347 | 1.363      | 0.0        | 39.586 | 1.87       |
| 24    | 13339       | 13340     | SN   | 1    | 0.0       | 38.455 | 0.969      | 0.0        | 38.766 | 1.668      | 0.0       | 34.894 | 1.452      | 0.0        | 40.53  | 2.115      | 0.0       | 37.135 | 0.955      | 0.0        | 36.767 | 1.593      | 0.0       | 36.776 | 1.391      | 0.0        | 40.74  | 1.913      |
| 25    | 13339       | 13340     | SN   | 1    | 0.0       | 42.993 | 3.482      | 0.0        | 41.373 | 5.01       | 0.0       | 52.03  | 4.204      | 0.0        | 42.03  | 5.978      | 0.0       | 43.092 | 3.451      | 0.0        | 40.096 | 4.814      | 0.0       | 52.206 | 4.226      | 0.0        | 40.562 | 5.906      |
| 26    | 13339       | 13340     | SN   | 1    | 0.0       | 42.993 | 3.542      | 0.0        | 41.373 | 5.068      | 0.0       | 50.233 | 4.284      | 0.0        | 42.03  | 6.073      | 0.0       | 43.092 | 3.511      | 0.0        | 40.096 | 4.858      | 0.0       | 50.409 | 4.328      | 0.0        | 40.562 | 5.985      |
| 27    | 13340       | 13341     | SN   | 1    | 0.0       | 37.034 | 0.657      | 0.0        | 36.52  | 0.884      | 0.0       | 35.346 | 0.881      | 0.0        | 41.217 | 1.345      | 0.0       | 36.955 | 0.655      | 0.0        | 35.915 | 0.793      | 0.0       | 33.624 | 0.782      | 0.0        | 38.457 | 1.001      |
| 28    | 13340       | 13341     | NS   | 1    | 0.0       | 43.249 | 1.23       | 0.0        | 48.519 | 1.724      | 0.0       | 43.588 | 1.209      | 0.0        | 42.239 | 1.681      | 0.0       | 43.626 | 1.266      | 0.0        | 50.47  | 1.656      | 0.0       | 44.95  | 1.209      | 0.0        | 42.21  | 1.508      |
| 29    | 13340       | 13341     | SN   | 1    | 0.0       | 34.575 | 0.664      | 0.0        | 36.52  | 0.904      | 0.0       | 37.278 | 0.875      | 0.0        | 41.217 | 1.366      | 0.0       | 35.125 | 0.655      | 0.0        | 35.915 | 0.812      | 0.0       | 39.322 | 0.762      | 0.0        | 38.457 | 1.024      |
| 30    | 13340       | 13341     | NS   | 1    | 0.0       | 50.497 | 4.989      | 0.0        | 64.29  | 6.386      | 0.0       | 49.447 | 4.563      | 0.0        | 47.194 | 5.775      | 0.0       | 52.467 | 5.121      | 0.0        | 65.476 | 6.213      | 0.0       | 50.917 | 4.612      | 0.0        | 45.524 | 5.405      |
| 31    | 13340       | 13341     | NS   | 1    | 0.0       | 47.979 | 1.217      | 0.0        | 59.908 | 1.671      | 0.0       | 45.926 | 1.245      | 0.0        | 43.355 | 1.657      | 0.0       | 46.121 | 1.228      | 0.0        | 61.423 | 1.515      | 0.0       | 46.704 | 1.179      | 0.0        | 42.21  | 1.527      |

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

|    |       |       |    |   |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 32 | 13340 | 13341 | SN | 1 | 0.0 | 44.23  | 2.675 | 0.0 | 42.728 | 3.307 | 0.0 | 37.679 | 2.5   | 0.0 | 37.83  | 3.412 | 0.0 | 44.605 | 2.584 | 0.0 | 42.074 | 2.992 | 0.0 | 39.099 | 2.309 | 0.0 | 37.701 | 2.8   |
| 33 | 13340 | 13341 | SN | 1 | 0.0 | 44.23  | 2.713 | 0.0 | 42.728 | 3.393 | 0.0 | 35.782 | 2.587 | 0.0 | 37.598 | 3.487 | 0.0 | 44.605 | 2.609 | 0.0 | 42.074 | 3.07  | 0.0 | 34.628 | 2.354 | 0.0 | 37.701 | 2.859 |
| 34 | 13340 | 13341 | NS | 1 | 0.0 | 56.487 | 4.805 | 0.0 | 65.023 | 6.326 | 0.0 | 46.164 | 4.589 | 0.0 | 46.846 | 5.792 | 0.0 | 57.593 | 4.845 | 0.0 | 66.323 | 5.98  | 0.0 | 47.236 | 4.405 | 0.0 | 45.708 | 5.557 |
| 35 | 13341 | 13342 | NS | 1 | 0.0 | 49.179 | 1.022 | 0.0 | 51.17  | 1.407 | 0.0 | 41.47  | 0.803 | 0.0 | 43.384 | 1.18  | 0.0 | 50.423 | 1.029 | 0.0 | 52.79  | 1.344 | 0.0 | 39.892 | 0.762 | 0.0 | 38.813 | 1.014 |
| 36 | 13341 | 13342 | SN | 1 | 0.0 | 39.998 | 3.1   | 0.0 | 43.989 | 3.717 | 0.0 | 37.031 | 2.829 | 0.0 | 40.81  | 4.287 | 0.0 | 39.903 | 3.029 | 0.0 | 41.228 | 3.473 | 0.0 | 37.452 | 2.694 | 0.0 | 39.982 | 3.555 |
| 37 | 13341 | 13342 | NS | 1 | 0.0 | 50.675 | 4.115 | 0.0 | 46.438 | 4.975 | 0.0 | 45.285 | 3.183 | 0.0 | 47.269 | 4.134 | 0.0 | 50.543 | 4.247 | 0.0 | 48.663 | 4.751 | 0.0 | 47.89  | 3.076 | 0.0 | 48.919 | 3.636 |
| 38 | 13341 | 13342 | SN | 1 | 0.0 | 42.56  | 0.774 | 0.0 | 38.509 | 1.131 | 0.0 | 38.636 | 1.071 | 0.0 | 40.211 | 1.632 | 0.0 | 42.083 | 0.788 | 0.0 | 37.204 | 0.981 | 0.0 | 38.979 | 1.001 | 0.0 | 37.119 | 1.283 |
| 39 | 13341 | 13342 | SN | 1 | 0.0 | 42.56  | 0.745 | 0.0 | 38.509 | 1.088 | 0.0 | 38.636 | 1.036 | 0.0 | 40.211 | 1.575 | 0.0 | 42.083 | 0.759 | 0.0 | 37.204 | 0.943 | 0.0 | 38.979 | 0.961 | 0.0 | 37.119 | 1.234 |
| 40 | 13341 | 13342 | NS | 1 | 0.0 | 44.506 | 1.029 | 0.0 | 51.797 | 1.432 | 0.0 | 37.744 | 0.831 | 0.0 | 44.404 | 1.172 | 0.0 | 45.37  | 1.041 | 0.0 | 53.433 | 1.359 | 0.0 | 36.677 | 0.79  | 0.0 | 39.081 | 1.039 |
| 41 | 13341 | 13342 | NS | 1 | 0.0 | 49.868 | 4.125 | 0.0 | 46.309 | 4.955 | 0.0 | 45.68  | 3.105 | 0.0 | 46.882 | 4.141 | 0.0 | 50.475 | 4.247 | 0.0 | 48.66  | 4.681 | 0.0 | 48.283 | 3.012 | 0.0 | 48.53  | 3.686 |
| 42 | 13341 | 13342 | SN | 1 | 0.0 | 39.998 | 3.219 | 0.0 | 43.989 | 3.844 | 0.0 | 37.031 | 2.909 | 0.0 | 40.321 | 4.417 | 0.0 | 39.903 | 3.145 | 0.0 | 41.228 | 3.591 | 0.0 | 37.452 | 2.776 | 0.0 | 38.711 | 3.65  |
| 43 | 13342 | 13343 | SN | 1 | 0.0 | 51.691 | 5.591 | 0.0 | 51.054 | 7.116 | 0.0 | 41.914 | 5.264 | 0.0 | 45.179 | 6.811 | 0.0 | 50.82  | 5.634 | 0.0 | 51.397 | 6.834 | 0.0 | 42.739 | 5.136 | 0.0 | 46.487 | 6.317 |
| 44 | 13342 | 13343 | NS | 1 | 0.0 | 42.541 | 3.497 | 0.0 | 46.574 | 4.709 | 0.0 | 48.102 | 3.569 | 0.0 | 43.085 | 4.383 | 0.0 | 42.328 | 3.507 | 0.0 | 46.429 | 4.037 | 0.0 | 48.315 | 3.299 | 0.0 | 43.54  | 3.636 |
| 45 | 13342 | 13343 | NS | 1 | 0.0 | 47.57  | 0.849 | 0.0 | 43.998 | 1.21  | 0.0 | 37.148 | 1.055 | 0.0 | 38.435 | 1.415 | 0.0 | 48.221 | 0.831 | 0.0 | 43.628 | 1.033 | 0.0 | 36.441 | 0.963 | 0.0 | 37.005 | 1.095 |
| 46 | 13342 | 13343 | NS | 1 | 0.0 | 47.791 | 0.745 | 0.0 | 53.73  | 1.166 | 0.0 | 38.349 | 0.972 | 0.0 | 45.494 | 1.377 | 0.0 | 48.789 | 0.731 | 0.0 | 52.279 | 1.013 | 0.0 | 35.56  | 0.865 | 0.0 | 46.074 | 1.122 |
| 47 | 13342 | 13343 | SN | 1 | 0.0 | 49.731 | 1.627 | 0.0 | 48.942 | 2.282 | 0.0 | 43.293 | 1.498 | 0.0 | 47.013 | 2.234 | 0.0 | 50.33  | 1.63  | 0.0 | 47.99  | 2.118 | 0.0 | 43.667 | 1.473 | 0.0 | 51.181 | 2.041 |
| 48 | 13342 | 13343 | SN | 1 | 0.0 | 49.731 | 1.54  | 0.0 | 48.942 | 2.164 | 0.0 | 43.293 | 1.428 | 0.0 | 47.013 | 2.142 | 0.0 | 50.33  | 1.543 | 0.0 | 47.99  | 2.009 | 0.0 | 43.667 | 1.394 | 0.0 | 51.181 | 1.95  |
| 49 | 13342 | 13343 | SN | 1 | 0.0 | 51.691 | 5.293 | 0.0 | 51.054 | 6.733 | 0.0 | 41.914 | 4.997 | 0.0 | 45.179 | 6.491 | 0.0 | 50.82  | 5.334 | 0.0 | 51.397 | 6.466 | 0.0 | 42.739 | 4.862 | 0.0 | 46.487 | 5.982 |
| 50 | 13342 | 13343 | NS | 1 | 0.0 | 43.081 | 3.618 | 0.0 | 46.091 | 4.097 | 0.0 | 46.28  | 3.431 | 0.0 | 47.429 | 4.214 | 0.0 | 44.238 | 3.628 | 0.0 | 46.145 | 3.752 | 0.0 | 43.212 | 3.196 | 0.0 | 50.533 | 3.409 |
| 51 | 13343 | 13344 | NS | 1 | 0.0 | 59.013 | 4.865 | 0.0 | 49.433 | 7.303 | 0.0 | 46.402 | 4.368 | 0.0 | 51.529 | 5.59  | 0.0 | 59.68  | 4.855 | 0.0 | 50.048 | 6.876 | 0.0 | 46.239 | 4.184 | 0.0 | 51.891 | 5.107 |
| 52 | 13343 | 13344 | SN | 1 | 0.0 | 48.548 | 3.649 | 0.0 | 50.482 | 4.373 | 0.0 | 44.602 | 2.892 | 0.0 | 43.073 | 3.879 | 0.0 | 50.213 | 3.659 | 0.0 | 48.847 | 4.146 | 0.0 | 42.786 | 2.586 | 0.0 | 41.173 | 3.287 |
| 53 | 13343 | 13344 | SN | 1 | 0.0 | 48.548 | 3.649 | 0.0 | 50.482 | 4.373 | 0.0 | 44.602 | 2.899 | 0.0 | 43.379 | 3.894 | 0.0 | 50.213 | 3.659 | 0.0 | 48.847 | 4.146 | 0.0 | 42.786 | 2.601 | 0.0 | 44.851 | 3.302 |
| 54 | 13343 | 13344 | NS | 1 | 0.0 | 44.031 | 1.115 | 0.0 | 47.241 | 1.883 | 0.0 | 41.761 | 1.249 | 0.0 | 43.628 | 1.83  | 0.0 | 44.273 | 1.151 | 0.0 | 46.129 | 1.804 | 0.0 | 39.94  | 1.158 | 0.0 | 45.005 | 1.563 |
| 55 | 13343 | 13344 | SN | 1 | 0.0 | 49.756 | 0.793 | 0.0 | 42.621 | 1.045 | 0.0 | 42.722 | 0.718 | 0.0 | 42.564 | 1.113 | 0.0 | 49.729 | 0.772 | 0.0 | 39.395 | 0.937 | 0.0 | 45.026 | 0.638 | 0.0 | 40.329 | 0.81  |
| 56 | 13343 | 13344 | SN | 1 | 0.0 | 48.548 | 3.881 | 0.0 | 50.482 | 4.471 | 0.0 | 44.602 | 3.083 | 0.0 | 43.073 | 4.004 | 0.0 | 50.213 | 3.903 | 0.0 | 48.847 | 4.27  | 0.0 | 42.786 | 2.775 | 0.0 | 41.191 | 3.424 |
| 57 | 13343 | 13344 | NS | 1 | 0.0 | 58.568 | 4.834 | 0.0 | 49.363 | 7.323 | 0.0 | 45.901 | 4.375 | 0.0 | 51.15  | 5.548 | 0.0 | 59.233 | 4.875 | 0.0 | 50.04  | 6.916 | 0.0 | 45.739 | 4.176 | 0.0 | 51.6   | 5.071 |
| 58 | 13343 | 13344 | SN | 1 | 0.0 | 49.756 | 0.793 | 0.0 | 42.621 | 1.048 | 0.0 | 42.722 | 0.718 | 0.0 | 42.564 | 1.115 | 0.0 | 49.729 | 0.772 | 0.0 | 39.395 | 0.937 | 0.0 | 45.026 | 0.645 | 0.0 | 40.329 | 0.815 |
| 59 | 13343 | 13344 | NS | 1 | 0.0 | 44.026 | 1.115 | 0.0 | 47.159 | 1.89  | 0.0 | 41.786 | 1.253 | 0.0 | 45.525 | 1.843 | 0.0 | 44.268 | 1.149 | 0.0 | 46.213 | 1.792 | 0.0 | 39.966 | 1.158 | 0.0 | 45.673 | 1.574 |
| 60 | 13343 | 13344 | SN | 1 | 0.0 | 49.756 | 0.848 | 0.0 | 42.621 | 1.086 | 0.0 | 42.722 | 0.764 | 0.0 | 42.564 | 1.164 | 0.0 | 49.729 | 0.828 | 0.0 | 39.395 | 0.977 | 0.0 | 45.026 | 0.685 | 0.0 | 40.329 | 0.854 |
| 61 | 13344 | 13345 | SN | 1 | 0.0 | 53.351 | 5.172 | 0.0 | 50.291 | 5.781 | 0.0 | 51.79  | 4.384 | 0.0 | 48.618 | 5.056 | 0.0 | 54.235 | 5.223 | 0.0 | 50.64  | 5.496 | 0.0 | 49.517 | 4.341 | 0.0 | 48.888 | 4.728 |
| 62 | 13344 | 13345 | NS | 1 | 0.0 | 41.294 | 0.553 | 0.0 | 45.228 | 0.775 | 0.0 | 41.557 | 0.648 | 0.0 | 45.053 | 1.076 | 0.0 | 40.591 | 0.53  | 0.0 | 44.246 | 0.678 | 0.0 | 43.555 | 0.581 | 0.0 | 46.076 | 0.918 |
| 63 | 13344 | 13345 | SN | 1 | 0.0 | 50.607 | 1.527 | 0.0 | 55.684 | 1.952 | 0.0 | 45.206 | 1.177 | 0.0 | 46.303 | 1.513 | 0.0 | 51.506 | 1.559 | 0.0 | 55.227 | 1.811 | 0.0 | 45.39  | 1.147 | 0.0 | 44.811 | 1.355 |
| 64 | 13344 | 13345 | SN | 1 | 0.0 | 50.607 | 1.527 | 0.0 | 55.684 | 1.952 | 0.0 | 45.206 | 1.177 | 0.0 | 46.303 | 1.513 | 0.0 | 51.506 | 1.559 | 0.0 | 55.227 | 1.811 | 0.0 | 45.39  | 1.147 | 0.0 | 44.811 | 1.355 |
| 65 | 13344 | 13345 | NS | 1 | 0.0 | 41.293 | 0.55  | 0.0 | 45.23  | 0.777 | 0.0 | 41.557 | 0.668 | 0.0 | 46.144 | 1.06  | 0.0 | 40.351 | 0.525 | 0.0 | 44.247 | 0.664 | 0.0 | 43.557 | 0.597 | 0.0 | 43.445 | 0.893 |
| 66 | 13344 | 13345 | NS | 1 | 0.0 | 40.624 | 2.072 | 0.0 | 44.909 | 2.744 | 0.0 | 41.211 | 2.112 | 0.0 | 42.399 | 3.059 | 0.0 | 40.507 | 2.001 | 0.0 | 43.749 | 2.642 | 0.0 | 40.791 | 1.892 | 0.0 | 42.707 | 2.696 |
| 67 | 13344 | 13345 | SN | 1 | 0.0 | 53.351 | 5.561 | 0.0 | 50.291 | 5.995 | 0.0 | 51.79  | 4.754 | 0.0 | 48.618 | 5.278 | 0.0 | 54.235 | 5.606 | 0.0 | 50.64  | 5.733 | 0.0 | 49.517 | 4.746 | 0.0 | 48.888 | 5.023 |

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

|     |       |       |    |   |     |        |       |     |        |       |     |        |       |          |           |       |     |        |       |     |        |       |     |        |       |          |           |       |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|----------|-----------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|----------|-----------|-------|
| 68  | 13344 | 13345 | SN | 1 | 0.0 | 53.351 | 5.172 | 0.0 | 50.291 | 5.781 | 0.0 | 51.79  | 4.384 | 0.0      | 48.618    | 5.056 | 0.0 | 54.235 | 5.223 | 0.0 | 50.64  | 5.496 | 0.0 | 49.517 | 4.341 | 0.0      | 48.888    | 4.728 |
| 69  | 13344 | 13345 | SN | 1 | 0.0 | 50.607 | 1.677 | 0.0 | 55.684 | 2.115 | 0.0 | 45.206 | 1.286 | 0.0      | 46.303    | 1.599 | 0.0 | 51.506 | 1.715 | 0.0 | 55.227 | 1.973 | 0.0 | 45.39  | 1.264 | 0.0      | 44.811    | 1.45  |
| 70  | 13344 | 13345 | NS | 1 | 0.0 | 41.0   | 2.072 | 0.0 | 44.892 | 2.744 | 0.0 | 41.271 | 2.119 | 0.0      | 42.397    | 3.087 | 0.0 | 40.435 | 1.99  | 0.0 | 43.754 | 2.632 | 0.0 | 40.853 | 1.927 | 0.0      | 43.142    | 2.753 |
| 71  | 13345 | 13346 | NS | 1 | 0.0 | 52.14  | 3.093 | 0.0 | 49.832 | 4.426 | 0.0 | 45.143 | 3.013 | 0.0      | 52.165    | 4.189 | 0.0 | 51.168 | 3.083 | 0.0 | 48.621 | 3.97  | 0.0 | 44.636 | 2.729 | 0.0      | 47.022    | 3.471 |
| 72  | 13345 | 13346 | NS | 1 | 0.0 | 44.326 | 0.883 | 0.0 | 47.03  | 1.246 | 0.0 | 37.773 | 0.901 | 0.0      | 42.539    | 1.417 | 0.0 | 42.712 | 0.862 | 0.0 | 46.666 | 1.101 | 0.0 | 37.94  | 0.837 | 0.0      | 40.468    | 1.106 |
| 73  | 13345 | 13346 | SN | 1 | 0.0 | 41.039 | 5.93  | 0.0 | 52.333 | 6.806 | 0.0 | 43.904 | 4.979 | 0.0      | 39.993    | 5.679 | 0.0 | 41.356 | 6.082 | 0.0 | 52.138 | 7.049 | 0.0 | 42.61  | 5.214 | 0.0      | 42.32     | 5.892 |
| 74  | 13345 | 13346 | SN | 1 | 0.0 | 51.699 | 1.664 | 0.0 | 47.089 | 2.133 | 0.0 | 38.906 | 1.397 | 0.0      | 42.026    | 1.888 | 0.0 | 53.221 | 1.725 | 0.0 | 46.561 | 2.095 | 0.0 | 39.44  | 1.468 | 0.0      | 40.727    | 1.868 |
| 75  | 13346 | 13347 | NS | 1 | 0.0 | 44.472 | 0.806 | 0.0 | 39.973 | 1.276 | 0.0 | 38.981 | 0.94  | 0.0      | 42.086    | 1.389 | 0.0 | 45.043 | 0.781 | 0.0 | 43.544 | 1.129 | 0.0 | 37.374 | 0.886 | 0.0      | 41.887    | 1.12  |
| 76  | 13346 | 13347 | NS | 1 | 0.0 | 47.88  | 2.904 | 0.0 | 45.175 | 4.063 | 0.0 | 40.754 | 3.056 | 0.0      | 40.706    | 4.013 | 0.0 | 47.616 | 2.772 | 0.0 | 46.361 | 3.698 | 0.0 | 42.045 | 2.9   | 0.0      | 37.813    | 3.394 |
| 77  | 13346 | 13347 | NS | 1 | 0.0 | 47.88  | 2.894 | 0.0 | 45.175 | 4.063 | 0.0 | 40.754 | 3.042 | 0.0      | 40.706    | 4.013 | 0.0 | 47.616 | 2.762 | 0.0 | 46.361 | 3.688 | 0.0 | 42.045 | 2.885 | 0.0      | 37.813    | 3.394 |
| 78  | 13346 | 13347 | SN | 1 | 0.0 | 51.377 | 7.613 | 0.0 | 53.262 | 9.161 | 0.0 | 48.808 | 7.483 | 0.0      | 42.765    | 8.224 | 0.0 | 52.176 | 7.806 | 0.0 | 53.502 | 9.141 | 0.0 | 48.553 | 7.839 | 0.0      | 43.123    | 8.538 |
| 79  | 13346 | 13347 | NS | 1 | 0.0 | 44.472 | 0.806 | 0.0 | 39.973 | 1.276 | 0.0 | 38.981 | 0.941 | 0.0      | 42.086    | 1.385 | 0.0 | 45.043 | 0.781 | 0.0 | 43.544 | 1.129 | 0.0 | 37.374 | 0.888 | 0.0      | 41.887    | 1.12  |
| 80  | 13346 | 13347 | SN | 1 | 0.0 | 46.45  | 2.203 | 0.0 | 45.013 | 3.034 | 0.0 | 43.899 | 2.212 | 0.0      | 44.458    | 2.71  | 0.0 | 44.971 | 2.28  | 0.0 | 45.243 | 3.018 | 0.0 | 43.882 | 2.288 | 0.0      | 45.149    | 2.715 |
| 81  | 13347 | 13348 | SN | 1 | 0.0 | 51.911 | 5.363 | 0.0 | 52.06  | 5.956 | 0.0 | 45.098 | 4.633 | 0.0      | 47.12     | 5.607 | 0.0 | 51.457 | 5.394 | 0.0 | 53.012 | 5.57  | 0.0 | 43.858 | 4.505 | 0.0      | 48.624    | 5.323 |
| 82  | 13347 | 13348 | NS | 1 | 0.0 | 45.316 | 0.935 | 0.0 | 50.686 | 1.438 | 0.0 | 39.47  | 1.124 | 0.0      | 37.427    | 1.663 | 0.0 | 46.524 | 0.974 | 0.0 | 48.053 | 1.33  | 0.0 | 39.306 | 1.067 | 0.0      | 35.764    | 1.485 |
| 83  | 13347 | 13348 | NS | 1 | 0.0 | 45.316 | 0.947 | 0.0 | 50.686 | 1.456 | 0.0 | 39.47  | 1.147 | 0.0      | 37.427    | 1.683 | 0.0 | 46.524 | 0.994 | 0.0 | 48.053 | 1.347 | 0.0 | 39.306 | 1.095 | 0.0      | 35.764    | 1.505 |
| 84  | 13347 | 13348 | NS | 1 | 0.0 | 49.574 | 3.629 | 0.0 | 52.883 | 5.308 | 0.0 | 43.981 | 3.233 | 0.0      | 42.145    | 4.638 | 0.0 | 50.705 | 3.71  | 0.0 | 53.14  | 5.114 | 0.0 | 42.589 | 3.077 | 0.0      | 45.916    | 4.265 |
| 85  | 13347 | 13348 | NS | 1 | 0.0 | 50.26  | 3.66  | 0.0 | 54.597 | 5.114 | 0.0 | 45.318 | 3.205 | 0.0      | 42.818    | 4.58  | 0.0 | 51.025 | 3.7   | 0.0 | 54.862 | 4.899 | 0.0 | 46.914 | 3.02  | 0.0      | 41.597    | 4.323 |
| 86  | 13347 | 13348 | SN | 1 | 0.0 | 48.036 | 1.427 | 0.0 | 42.624 | 1.851 | 0.0 | 41.956 | 1.225 | 0.0      | 42.275    | 1.793 | 0.0 | 48.834 | 1.47  | 0.0 | 43.746 | 1.797 | 0.0 | 42.934 | 1.163 | 0.0      | 46.249    | 1.566 |
| 87  | 13347 | 13348 | NS | 1 | 0.0 | 48.706 | 0.963 | 0.0 | 48.978 | 1.419 | 0.0 | 46.917 | 1.133 | 0.0      | 40.013    | 1.677 | 0.0 | 49.914 | 0.994 | 0.0 | 46.344 | 1.339 | 0.0 | 44.493 | 1.094 | 0.0      | 40.215    | 1.507 |
| 88  | 13347 | 13348 | NS | 1 | 0.0 | 50.26  | 3.705 | 0.0 | 54.597 | 5.204 | 0.0 | 45.318 | 3.24  | 0.0      | 42.818    | 4.652 | 0.0 | 51.025 | 3.726 | 0.0 | 54.862 | 4.986 | 0.0 | 46.914 | 3.017 | 0.0      | 41.597    | 4.39  |
| 89  | 13348 | 13349 | NS | 1 | 0.0 | 40.27  | 1.034 | 0.0 | 44.15  | 1.368 | 0.0 | 37.612 | 1.112 | 0.0      | 36.269    | 1.685 | 0.0 | 39.27  | 1.011 | 0.0 | 42.908 | 1.314 | 0.0 | 41.379 | 1.108 | 0.0      | 36.125    | 1.494 |
| 90  | 13348 | 13349 | NS | 1 | 0.0 | 38.667 | 3.436 | 0.0 | 41.927 | 4.459 | 0.0 | 40.889 | 3.488 | 0.0      | 45.094    | 4.84  | 0.0 | 37.416 | 3.457 | 0.0 | 39.494 | 4.448 | 0.0 | 41.369 | 3.444 | 0.0      | 45.212    | 4.603 |
| 91  | 13348 | 13349 | SN | 1 | 0.0 | 46.554 | 0.863 | 0.0 | 41.883 | 1.25  | 0.0 | 43.025 | 0.837 | 0.0      | 41.047    | 1.187 | 0.0 | 47.178 | 0.863 | 0.0 | 40.581 | 1.144 | 0.0 | 45.464 | 0.78  | 0.0      | 41.426    | 1.056 |
| 92  | 13348 | 13349 | NS | 1 | 0.0 | 38.667 | 3.333 | 0.0 | 41.927 | 4.332 | 0.0 | 40.889 | 3.447 | 0.0      | 44.79     | 4.676 | 0.0 | 37.416 | 3.374 | 0.0 | 39.494 | 4.322 | 0.0 | 41.369 | 3.398 | 0.0      | 44.904    | 4.447 |
| 93  | 13348 | 13349 | NS | 1 | 0.0 | 40.27  | 1.005 | 0.0 | 37.852 | 1.326 | 0.0 | 37.612 | 1.087 | 0.0      | 36.269    | 1.637 | 0.0 | 39.27  | 0.981 | 0.0 | 35.74  | 1.271 | 0.0 | 41.379 | 1.073 | 0.0      | 36.125    | 1.448 |
| 94  | 13348 | 13349 | SN | 1 | 0.0 | 52.692 | 3.558 | 0.0 | 50.57  | 4.497 | 0.0 | 43.898 | 3.248 | 0.0      | 40.958    | 4.308 | 0.0 | 52.556 | 3.579 | 0.0 | 52.478 | 4.162 | 0.0 | 45.702 | 2.999 | 0.0      | 39.855    | 3.838 |
| 95  | 13349 | 13350 | NS | 1 | 0.0 | 43.65  | 1.02  | 0.0 | 44.448 | 1.379 | 0.0 | 44.886 | 1.244 | 0.0      | 39.999    | 1.683 | 0.0 | 44.493 | 0.989 | 0.0 | 42.528 | 1.168 | 0.0 | 43.827 | 1.137 | 0.0      | 41.356    | 1.399 |
| 96  | 13349 | 13350 | SN | 1 | 0.0 | 18.581 | 0.0   | 0.0 | 8.102  | 0.0   | 0.0 | 25.235 | 0.051 | 100000.0 | -100000.0 | 0.0   | 0.0 | 17.715 | 0.0   | 0.0 | 9.135  | 0.0   | 0.0 | 23.474 | 0.051 | 100000.0 | -100000.0 | 0.0   |
| 97  | 13349 | 13350 | SN | 1 | 0.0 | 23.756 | 0.312 | 0.0 | 10.8   | 0.0   | 0.0 | 20.388 | 0.196 | 100000.0 | -100000.0 | 0.0   | 0.0 | 22.765 | 0.312 | 0.0 | 10.481 | 0.0   | 0.0 | 18.754 | 0.0   | 100000.0 | -100000.0 | 0.0   |
| 98  | 13349 | 13350 | NS | 1 | 0.0 | 45.859 | 3.109 | 0.0 | 57.824 | 4.535 | 0.0 | 42.47  | 4.056 | 0.0      | 41.723    | 5.204 | 0.0 | 46.629 | 3.131 | 0.0 | 57.928 | 4.078 | 0.0 | 41.052 | 3.774 | 0.0      | 41.765    | 4.762 |
| 99  | 13349 | 13350 | NS | 1 | 0.0 | 45.859 | 3.109 | 0.0 | 57.824 | 4.382 | 0.0 | 42.47  | 4.056 | 0.0      | 41.723    | 5.372 | 0.0 | 46.629 | 3.131 | 0.0 | 57.928 | 3.94  | 0.0 | 41.052 | 3.774 | 0.0      | 41.765    | 4.921 |
| 100 | 13349 | 13350 | SN | 1 | 0.0 | 18.581 | 0.0   | 0.0 | 8.102  | 0.0   | 0.0 | 25.235 | 0.051 | 100000.0 | -100000.0 | 0.0   | 0.0 | 17.715 | 0.0   | 0.0 | 9.135  | 0.0   | 0.0 | 23.474 | 0.051 | 100000.0 | -100000.0 | 0.0   |
| 101 | 13349 | 13350 | NS | 1 | 0.0 | 43.65  | 1.02  | 0.0 | 44.448 | 1.336 | 0.0 | 44.886 | 1.244 | 0.0      | 40.086    | 1.767 | 0.0 | 44.493 | 0.989 | 0.0 | 42.528 | 1.132 | 0.0 | 43.827 | 1.137 | 0.0      | 41.356    | 1.496 |
| 102 | 13349 | 13350 | SN | 1 | 0.0 | 23.756 | 0.312 | 0.0 | 10.8   | 0.0   | 0.0 | 20.388 | 0.196 | 100000.0 | -100000.0 | 0.0   | 0.0 | 22.765 | 0.312 | 0.0 | 10.481 | 0.0   | 0.0 | 18.754 | 0.0   | 100000.0 | -100000.0 | 0.0   |
| 103 | 13350 | 13351 | NS | 1 | 0.0 | 45.901 | 1.127 | 0.0 | 42.434 | 1.612 | 0.0 | 41.826 | 1.075 | 0.0      | 44.813    | 1.678 | 0.0 | 48.22  | 1.129 | 0.0 | 42.447 | 1.487 | 0.0 | 40.866 | 1.043 | 0.0      | 44.757    | 1.479 |

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

|     |       |       |    |   |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 104 | 13350 | 13351 | SN | 1 | 0.0 | 43.127 | 5.346 | 0.0 | 54.806 | 6.96  | 0.0 | 41.214 | 5.13  | 0.0 | 44.161 | 6.538 | 0.0 | 44.192 | 5.428 | 0.0 | 55.109 | 6.899 | 0.0 | 42.359 | 5.215 | 0.0 | 46.352 | 6.33  |
| 105 | 13350 | 13351 | SN | 1 | 0.0 | 43.127 | 5.346 | 0.0 | 54.806 | 6.96  | 0.0 | 41.214 | 5.13  | 0.0 | 44.161 | 6.538 | 0.0 | 44.192 | 5.428 | 0.0 | 55.109 | 6.899 | 0.0 | 42.359 | 5.215 | 0.0 | 46.352 | 6.33  |
| 106 | 13350 | 13351 | NS | 1 | 0.0 | 45.901 | 1.139 | 0.0 | 42.159 | 1.718 | 0.0 | 41.826 | 1.147 | 0.0 | 44.813 | 1.795 | 0.0 | 48.22  | 1.141 | 0.0 | 42.447 | 1.556 | 0.0 | 40.866 | 1.127 | 0.0 | 44.757 | 1.565 |
| 107 | 13350 | 13351 | SN | 1 | 0.0 | 43.307 | 1.549 | 0.0 | 42.382 | 2.178 | 0.0 | 47.412 | 1.823 | 0.0 | 45.646 | 2.317 | 0.0 | 42.118 | 1.522 | 0.0 | 41.819 | 2.135 | 0.0 | 47.998 | 1.794 | 0.0 | 42.445 | 2.171 |
| 108 | 13350 | 13351 | NS | 1 | 0.0 | 47.762 | 4.293 | 0.0 | 49.36  | 5.408 | 0.0 | 50.523 | 3.798 | 0.0 | 47.06  | 4.994 | 0.0 | 49.059 | 4.273 | 0.0 | 49.213 | 5.154 | 0.0 | 49.864 | 3.741 | 0.0 | 45.679 | 4.567 |
| 109 | 13350 | 13351 | NS | 1 | 0.0 | 45.901 | 1.127 | 0.0 | 42.473 | 1.612 | 0.0 | 41.826 | 1.075 | 0.0 | 44.813 | 1.678 | 0.0 | 48.22  | 1.127 | 0.0 | 42.447 | 1.489 | 0.0 | 40.866 | 1.045 | 0.0 | 44.757 | 1.48  |
| 110 | 13350 | 13351 | NS | 1 | 0.0 | 47.762 | 4.293 | 0.0 | 49.36  | 5.408 | 0.0 | 50.523 | 3.784 | 0.0 | 47.06  | 4.986 | 0.0 | 49.059 | 4.273 | 0.0 | 49.213 | 5.164 | 0.0 | 49.864 | 3.727 | 0.0 | 45.679 | 4.567 |
| 111 | 13350 | 13351 | SN | 1 | 0.0 | 44.249 | 5.832 | 0.0 | 54.806 | 7.6   | 0.0 | 41.214 | 5.561 | 0.0 | 44.161 | 7.108 | 0.0 | 44.192 | 5.91  | 0.0 | 55.109 | 7.544 | 0.0 | 42.359 | 5.655 | 0.0 | 46.352 | 6.919 |
| 112 | 13350 | 13351 | NS | 1 | 0.0 | 47.762 | 4.391 | 0.0 | 49.36  | 5.778 | 0.0 | 50.523 | 3.942 | 0.0 | 47.06  | 5.312 | 0.0 | 49.059 | 4.379 | 0.0 | 49.213 | 5.466 | 0.0 | 49.864 | 3.893 | 0.0 | 45.679 | 4.851 |
| 113 | 13350 | 13351 | SN | 1 | 0.0 | 43.307 | 1.421 | 0.0 | 42.382 | 1.986 | 0.0 | 47.412 | 1.695 | 0.0 | 45.646 | 2.129 | 0.0 | 42.118 | 1.396 | 0.0 | 41.819 | 1.947 | 0.0 | 47.998 | 1.66  | 0.0 | 42.445 | 1.989 |
| 114 | 13350 | 13351 | SN | 1 | 0.0 | 43.307 | 1.421 | 0.0 | 42.382 | 1.986 | 0.0 | 47.412 | 1.695 | 0.0 | 45.646 | 2.129 | 0.0 | 42.118 | 1.396 | 0.0 | 41.819 | 1.947 | 0.0 | 47.998 | 1.66  | 0.0 | 42.445 | 1.989 |
| 115 | 13351 | 13352 | SN | 1 | 0.0 | 53.888 | 2.64  | 0.0 | 43.519 | 2.985 | 0.0 | 43.014 | 2.581 | 0.0 | 43.089 | 3.224 | 0.0 | 53.302 | 2.691 | 0.0 | 44.919 | 2.667 | 0.0 | 43.01  | 2.41  | 0.0 | 42.435 | 2.764 |
| 116 | 13351 | 13352 | SN | 1 | 0.0 | 40.081 | 0.68  | 0.0 | 43.819 | 0.936 | 0.0 | 36.791 | 0.691 | 0.0 | 36.574 | 0.986 | 0.0 | 39.822 | 0.655 | 0.0 | 42.798 | 0.776 | 0.0 | 36.267 | 0.636 | 0.0 | 36.426 | 0.862 |
| 117 | 13351 | 13352 | NS | 1 | 0.0 | 51.435 | 4.342 | 0.0 | 47.934 | 5.766 | 0.0 | 47.355 | 4.574 | 0.0 | 49.337 | 5.245 | 0.0 | 51.051 | 4.383 | 0.0 | 50.629 | 5.471 | 0.0 | 50.993 | 4.396 | 0.0 | 50.883 | 4.455 |
| 118 | 13351 | 13352 | SN | 1 | 0.0 | 53.888 | 2.774 | 0.0 | 43.519 | 3.146 | 0.0 | 43.014 | 2.685 | 0.0 | 43.089 | 3.415 | 0.0 | 53.302 | 2.827 | 0.0 | 44.919 | 2.811 | 0.0 | 43.01  | 2.528 | 0.0 | 42.435 | 2.93  |
| 119 | 13351 | 13352 | NS | 1 | 0.0 | 53.998 | 4.332 | 0.0 | 52.621 | 5.736 | 0.0 | 47.347 | 4.581 | 0.0 | 49.345 | 5.266 | 0.0 | 54.929 | 4.373 | 0.0 | 51.459 | 5.471 | 0.0 | 50.753 | 4.403 | 0.0 | 50.891 | 4.483 |
| 120 | 13351 | 13352 | SN | 1 | 0.0 | 53.888 | 2.64  | 0.0 | 43.519 | 2.985 | 0.0 | 43.014 | 2.581 | 0.0 | 43.089 | 3.224 | 0.0 | 53.302 | 2.691 | 0.0 | 44.919 | 2.667 | 0.0 | 43.01  | 2.41  | 0.0 | 42.435 | 2.764 |
| 121 | 13351 | 13352 | SN | 1 | 0.0 | 40.081 | 0.715 | 0.0 | 43.819 | 0.987 | 0.0 | 36.791 | 0.728 | 0.0 | 36.574 | 1.037 | 0.0 | 39.822 | 0.688 | 0.0 | 42.798 | 0.818 | 0.0 | 36.267 | 0.67  | 0.0 | 36.426 | 0.907 |
| 122 | 13351 | 13352 | SN | 1 | 0.0 | 40.081 | 0.68  | 0.0 | 43.819 | 0.936 | 0.0 | 36.791 | 0.691 | 0.0 | 36.574 | 0.986 | 0.0 | 39.822 | 0.655 | 0.0 | 42.798 | 0.776 | 0.0 | 36.267 | 0.636 | 0.0 | 36.426 | 0.862 |
| 123 | 13351 | 13352 | NS | 1 | 0.0 | 48.997 | 1.402 | 0.0 | 50.253 | 1.736 | 0.0 | 44.362 | 1.276 | 0.0 | 41.432 | 1.729 | 0.0 | 49.134 | 1.399 | 0.0 | 48.852 | 1.527 | 0.0 | 44.471 | 1.184 | 0.0 | 45.154 | 1.398 |
| 124 | 13351 | 13352 | NS | 1 | 0.0 | 46.246 | 1.408 | 0.0 | 50.575 | 1.727 | 0.0 | 43.624 | 1.266 | 0.0 | 40.077 | 1.719 | 0.0 | 45.896 | 1.395 | 0.0 | 54.785 | 1.509 | 0.0 | 44.471 | 1.171 | 0.0 | 43.799 | 1.402 |
| 125 | 13352 | 13353 | SN | 1 | 0.0 | 49.821 | 1.102 | 0.0 | 43.447 | 1.601 | 0.0 | 45.964 | 1.246 | 0.0 | 42.651 | 1.685 | 0.0 | 52.009 | 1.095 | 0.0 | 44.6   | 1.469 | 0.0 | 43.026 | 1.168 | 0.0 | 40.811 | 1.448 |
| 126 | 13352 | 13353 | NS | 1 | 0.0 | 49.881 | 5.067 | 0.0 | 50.731 | 7.162 | 0.0 | 55.656 | 4.264 | 0.0 | 46.962 | 5.501 | 0.0 | 50.884 | 5.087 | 0.0 | 51.566 | 6.898 | 0.0 | 56.556 | 4.186 | 0.0 | 48.703 | 5.159 |
| 127 | 13352 | 13353 | NS | 1 | 0.0 | 49.881 | 5.067 | 0.0 | 50.731 | 7.162 | 0.0 | 55.656 | 4.264 | 0.0 | 46.962 | 5.501 | 0.0 | 50.884 | 5.087 | 0.0 | 51.566 | 6.898 | 0.0 | 56.556 | 4.186 | 0.0 | 48.703 | 5.159 |
| 128 | 13352 | 13353 | SN | 1 | 0.0 | 49.821 | 1.122 | 0.0 | 43.447 | 1.628 | 0.0 | 45.964 | 1.267 | 0.0 | 41.3   | 1.712 | 0.0 | 52.009 | 1.115 | 0.0 | 44.6   | 1.494 | 0.0 | 43.026 | 1.193 | 0.0 | 40.811 | 1.471 |
| 129 | 13352 | 13353 | SN | 1 | 0.0 | 49.821 | 1.102 | 0.0 | 43.447 | 1.601 | 0.0 | 45.964 | 1.246 | 0.0 | 42.651 | 1.685 | 0.0 | 52.009 | 1.095 | 0.0 | 44.6   | 1.469 | 0.0 | 43.026 | 1.168 | 0.0 | 40.811 | 1.448 |
| 130 | 13352 | 13353 | SN | 1 | 0.0 | 48.087 | 3.902 | 0.0 | 47.595 | 5.333 | 0.0 | 46.189 | 3.885 | 0.0 | 47.903 | 5.429 | 0.0 | 49.396 | 3.882 | 0.0 | 49.171 | 4.843 | 0.0 | 45.886 | 3.822 | 0.0 | 46.184 | 4.836 |
| 131 | 13352 | 13353 | SN | 1 | 0.0 | 48.087 | 3.902 | 0.0 | 47.595 | 5.333 | 0.0 | 46.189 | 3.885 | 0.0 | 47.903 | 5.429 | 0.0 | 49.396 | 3.882 | 0.0 | 49.171 | 4.843 | 0.0 | 45.886 | 3.822 | 0.0 | 46.184 | 4.836 |
| 132 | 13352 | 13353 | NS | 1 | 0.0 | 47.921 | 1.526 | 0.0 | 55.217 | 2.255 | 0.0 | 48.446 | 1.218 | 0.0 | 40.709 | 1.839 | 0.0 | 48.656 | 1.51  | 0.0 | 54.614 | 2.115 | 0.0 | 46.372 | 1.144 | 0.0 | 42.257 | 1.57  |
| 133 | 13352 | 13353 | NS | 1 | 0.0 | 47.921 | 1.526 | 0.0 | 55.217 | 2.255 | 0.0 | 48.446 | 1.218 | 0.0 | 40.709 | 1.839 | 0.0 | 48.656 | 1.51  | 0.0 | 54.614 | 2.115 | 0.0 | 46.372 | 1.144 | 0.0 | 42.257 | 1.57  |
| 134 | 13352 | 13353 | SN | 1 | 0.0 | 48.087 | 3.973 | 0.0 | 47.595 | 5.43  | 0.0 | 46.189 | 3.956 | 0.0 | 47.516 | 5.536 | 0.0 | 49.396 | 3.953 | 0.0 | 49.171 | 4.931 | 0.0 | 45.886 | 3.884 | 0.0 | 46.119 | 4.918 |
| 135 | 13353 | 13354 | SN | 1 | 0.0 | 41.195 | 3.791 | 0.0 | 47.952 | 4.932 | 0.0 | 49.25  | 3.571 | 0.0 | 47.238 | 4.934 | 0.0 | 41.68  | 3.936 | 0.0 | 47.019 | 4.518 | 0.0 | 47.097 | 3.427 | 0.0 | 46.04  | 4.513 |
| 136 | 13353 | 13354 | SN | 1 | 0.0 | 37.802 | 1.113 | 0.0 | 45.029 | 1.653 | 0.0 | 44.719 | 1.163 | 0.0 | 40.366 | 1.841 | 0.0 | 37.701 | 1.099 | 0.0 | 44.336 | 1.487 | 0.0 | 44.055 | 1.118 | 0.0 | 44.021 | 1.563 |
| 137 | 13353 | 13354 | NS | 1 | 0.0 | 42.035 | 1.643 | 0.0 | 41.972 | 2.174 | 0.0 | 38.692 | 1.454 | 0.0 | 38.096 | 2.199 | 0.0 | 42.502 | 1.648 | 0.0 | 43.273 | 2.197 | 0.0 | 39.77  | 1.58  | 0.0 | 36.455 | 2.288 |
| 138 | 13353 | 13354 | NS | 1 | 0.0 | 44.62  | 5.696 | 0.0 | 49.1   | 7.488 | 0.0 | 43.14  | 5.145 | 0.0 | 46.958 | 6.689 | 0.0 | 44.88  | 5.655 | 0.0 | 49.708 | 7.731 | 0.0 | 46.181 | 5.387 | 0.0 | 46.158 | 6.867 |
| 139 | 13353 | 13354 | SN | 1 | 0.0 | 37.802 | 1.115 | 0.0 | 45.029 | 1.657 | 0.0 | 44.719 | 1.161 | 0.0 | 41.368 | 1.838 | 0.0 | 37.701 | 1.104 | 0.0 | 44.336 | 1.498 | 0.0 | 44.053 | 1.122 | 0.0 | 44.021 | 1.561 |

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

|     |       |       |    |   |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 140 | 13353 | 13354 | NS | 1 | 0.0 | 51.263 | 5.765 | 0.0 | 54.246 | 7.467 | 0.0 | 44.552 | 5.051 | 0.0 | 51.475 | 6.675 | 0.0 | 53.069 | 5.684 | 0.0 | 54.598 | 7.447 | 0.0 | 43.833 | 5.285 | 0.0 | 49.142 | 7.138 |
| 141 | 13353 | 13354 | NS | 1 | 0.0 | 46.128 | 1.664 | 0.0 | 43.512 | 2.156 | 0.0 | 37.719 | 1.502 | 0.0 | 41.192 | 2.2   | 0.0 | 46.016 | 1.696 | 0.0 | 43.825 | 2.196 | 0.0 | 38.054 | 1.589 | 0.0 | 38.699 | 2.255 |
| 142 | 13353 | 13354 | SN | 1 | 0.0 | 41.195 | 3.738 | 0.0 | 47.952 | 4.857 | 0.0 | 49.25  | 3.55  | 0.0 | 47.238 | 4.865 | 0.0 | 41.68  | 3.88  | 0.0 | 47.019 | 4.449 | 0.0 | 47.097 | 3.393 | 0.0 | 46.04  | 4.443 |
| 143 | 13353 | 13354 | SN | 1 | 0.0 | 37.802 | 1.097 | 0.0 | 45.029 | 1.632 | 0.0 | 44.719 | 1.14  | 0.0 | 40.366 | 1.821 | 0.0 | 37.701 | 1.083 | 0.0 | 44.336 | 1.468 | 0.0 | 44.055 | 1.106 | 0.0 | 44.021 | 1.543 |
| 144 | 13353 | 13354 | SN | 1 | 0.0 | 41.228 | 3.802 | 0.0 | 47.952 | 4.922 | 0.0 | 49.25  | 3.564 | 0.0 | 47.303 | 4.919 | 0.0 | 41.712 | 3.936 | 0.0 | 47.019 | 4.507 | 0.0 | 47.095 | 3.405 | 0.0 | 45.997 | 4.47  |
| 145 | 13354 | 13355 | SN | 1 | 0.0 | 35.951 | 2.415 | 0.0 | 46.413 | 3.309 | 0.0 | 37.976 | 2.758 | 0.0 | 41.257 | 3.689 | 0.0 | 36.56  | 2.363 | 0.0 | 48.8   | 3.057 | 0.0 | 38.555 | 2.612 | 0.0 | 39.819 | 3.183 |
| 146 | 13354 | 13355 | SN | 1 | 0.0 | 35.955 | 2.366 | 0.0 | 46.413 | 3.241 | 0.0 | 37.976 | 2.702 | 0.0 | 41.257 | 3.62  | 0.0 | 36.567 | 2.316 | 0.0 | 48.8   | 2.995 | 0.0 | 38.703 | 2.553 | 0.0 | 39.819 | 3.117 |
| 147 | 13354 | 13355 | NS | 1 | 0.0 | 48.096 | 6.392 | 0.0 | 44.374 | 8.62  | 0.0 | 46.642 | 6.787 | 0.0 | 45.808 | 7.937 | 0.0 | 47.78  | 6.555 | 0.0 | 45.794 | 9.047 | 0.0 | 49.7   | 7.164 | 0.0 | 43.587 | 8.741 |
| 148 | 13354 | 13355 | SN | 1 | 0.0 | 36.458 | 0.571 | 0.0 | 38.472 | 1.006 | 0.0 | 37.587 | 0.94  | 0.0 | 41.308 | 1.424 | 0.0 | 36.347 | 0.571 | 0.0 | 36.089 | 0.91  | 0.0 | 38.089 | 0.824 | 0.0 | 39.885 | 1.15  |
| 149 | 13354 | 13355 | SN | 1 | 0.0 | 36.458 | 0.56  | 0.0 | 38.472 | 0.986 | 0.0 | 39.356 | 0.923 | 0.0 | 38.277 | 1.4   | 0.0 | 36.347 | 0.56  | 0.0 | 36.089 | 0.892 | 0.0 | 38.406 | 0.809 | 0.0 | 39.885 | 1.127 |
| 150 | 13354 | 13355 | NS | 1 | 0.0 | 49.94  | 2.143 | 0.0 | 51.995 | 2.836 | 0.0 | 47.7   | 2.042 | 0.0 | 43.754 | 2.829 | 0.0 | 50.783 | 2.184 | 0.0 | 51.559 | 2.891 | 0.0 | 48.199 | 2.161 | 0.0 | 42.325 | 2.891 |
| 151 | 13354 | 13355 | NS | 1 | 0.0 | 49.94  | 2.143 | 0.0 | 51.995 | 2.836 | 0.0 | 47.7   | 2.042 | 0.0 | 43.754 | 2.829 | 0.0 | 50.783 | 2.184 | 0.0 | 51.559 | 2.891 | 0.0 | 48.199 | 2.161 | 0.0 | 42.325 | 2.891 |
| 152 | 13354 | 13355 | SN | 1 | 0.0 | 35.963 | 2.366 | 0.0 | 46.413 | 3.241 | 0.0 | 37.976 | 2.695 | 0.0 | 41.257 | 3.62  | 0.0 | 36.575 | 2.306 | 0.0 | 48.8   | 2.995 | 0.0 | 38.363 | 2.567 | 0.0 | 39.819 | 3.11  |
| 153 | 13354 | 13355 | NS | 1 | 0.0 | 48.096 | 6.392 | 0.0 | 44.374 | 8.62  | 0.0 | 46.642 | 6.787 | 0.0 | 45.808 | 7.937 | 0.0 | 47.78  | 6.555 | 0.0 | 45.794 | 9.047 | 0.0 | 49.7   | 7.164 | 0.0 | 43.587 | 8.741 |
| 154 | 13354 | 13355 | SN | 1 | 0.0 | 36.458 | 0.56  | 0.0 | 38.472 | 0.986 | 0.0 | 37.587 | 0.926 | 0.0 | 38.277 | 1.4   | 0.0 | 36.347 | 0.56  | 0.0 | 36.089 | 0.892 | 0.0 | 37.643 | 0.816 | 0.0 | 39.885 | 1.131 |
| 155 | 13355 | 13356 | NS | 1 | 0.0 | 45.047 | 1.069 | 0.0 | 49.501 | 1.311 | 0.0 | 39.042 | 0.912 | 0.0 | 40.835 | 1.192 | 0.0 | 44.544 | 1.087 | 0.0 | 48.572 | 1.245 | 0.0 | 41.699 | 0.895 | 0.0 | 37.947 | 1.107 |
| 156 | 13355 | 13356 | SN | 1 | 0.0 | 37.058 | 0.916 | 0.0 | 49.657 | 1.159 | 0.0 | 43.749 | 1.154 | 0.0 | 40.087 | 1.695 | 0.0 | 36.559 | 0.885 | 0.0 | 47.582 | 1.084 | 0.0 | 42.544 | 1.094 | 0.0 | 36.664 | 1.385 |
| 157 | 13355 | 13356 | SN | 1 | 0.0 | 37.456 | 3.251 | 0.0 | 42.179 | 4.178 | 0.0 | 38.896 | 3.532 | 0.0 | 40.963 | 4.803 | 0.0 | 37.69  | 3.22  | 0.0 | 40.34  | 3.874 | 0.0 | 39.735 | 3.393 | 0.0 | 38.394 | 4.29  |
| 158 | 13355 | 13356 | NS | 1 | 0.0 | 53.873 | 3.862 | 0.0 | 53.916 | 4.325 | 0.0 | 47.966 | 3.402 | 0.0 | 47.87  | 4.338 | 0.0 | 54.601 | 3.913 | 0.0 | 53.54  | 4.213 | 0.0 | 47.32  | 3.501 | 0.0 | 44.456 | 4.025 |
| 159 | 13355 | 13356 | SN | 1 | 0.0 | 44.144 | 2.828 | 0.0 | 46.005 | 4.123 | 0.0 | 48.386 | 3.275 | 0.0 | 39.764 | 4.579 | 0.0 | 43.684 | 2.859 | 0.0 | 46.0   | 3.587 | 0.0 | 48.093 | 3.168 | 0.0 | 37.505 | 3.965 |
| 160 | 13355 | 13356 | NS | 1 | 0.0 | 53.325 | 3.75  | 0.0 | 52.197 | 4.587 | 0.0 | 46.921 | 3.627 | 0.0 | 46.653 | 4.269 | 0.0 | 53.756 | 3.871 | 0.0 | 53.722 | 4.473 | 0.0 | 47.67  | 3.741 | 0.0 | 44.218 | 3.922 |
| 161 | 13355 | 13356 | SN | 1 | 0.0 | 39.122 | 0.838 | 0.0 | 41.726 | 1.322 | 0.0 | 35.033 | 1.196 | 0.0 | 37.391 | 1.673 | 0.0 | 37.305 | 0.838 | 0.0 | 39.591 | 1.218 | 0.0 | 34.376 | 1.136 | 0.0 | 35.374 | 1.36  |
| 162 | 13355 | 13356 | NS | 1 | 0.0 | 43.212 | 1.031 | 0.0 | 43.681 | 1.255 | 0.0 | 44.387 | 0.856 | 0.0 | 40.364 | 1.2   | 0.0 | 45.914 | 1.063 | 0.0 | 44.209 | 1.196 | 0.0 | 44.581 | 0.881 | 0.0 | 38.46  | 1.122 |
| 163 | 13356 | 13357 | NS | 1 | 0.0 | 49.113 | 3.751 | 0.0 | 53.501 | 4.548 | 0.0 | 48.093 | 3.951 | 0.0 | 45.576 | 4.453 | 0.0 | 49.957 | 3.842 | 0.0 | 54.088 | 4.091 | 0.0 | 47.425 | 3.915 | 0.0 | 46.506 | 3.941 |
| 164 | 13356 | 13357 | SN | 1 | 0.0 | 50.417 | 1.4   | 0.0 | 46.269 | 1.994 | 0.0 | 42.651 | 1.664 | 0.0 | 40.643 | 2.271 | 0.0 | 50.483 | 1.402 | 0.0 | 45.899 | 1.835 | 0.0 | 43.285 | 1.606 | 0.0 | 38.699 | 2.067 |
| 165 | 13356 | 13357 | NS | 1 | 0.0 | 46.15  | 0.923 | 0.0 | 40.417 | 1.112 | 0.0 | 40.002 | 1.143 | 0.0 | 37.595 | 1.395 | 0.0 | 45.0   | 0.941 | 0.0 | 38.698 | 0.99  | 0.0 | 41.366 | 1.086 | 0.0 | 38.617 | 1.232 |
| 166 | 13356 | 13357 | SN | 1 | 0.0 | 47.173 | 5.988 | 0.0 | 54.249 | 6.66  | 0.0 | 39.486 | 5.367 | 0.0 | 42.617 | 6.765 | 0.0 | 47.581 | 5.892 | 0.0 | 51.171 | 6.501 | 0.0 | 40.175 | 5.203 | 0.0 | 43.739 | 6.206 |
| 167 | 13356 | 13357 | NS | 1 | 0.0 | 46.605 | 0.996 | 0.0 | 44.926 | 1.113 | 0.0 | 46.209 | 1.143 | 0.0 | 43.517 | 1.373 | 0.0 | 47.703 | 0.966 | 0.0 | 45.293 | 0.977 | 0.0 | 44.257 | 1.099 | 0.0 | 43.875 | 1.167 |
| 168 | 13356 | 13357 | NS | 1 | 0.0 | 47.785 | 3.953 | 0.0 | 46.846 | 4.66  | 0.0 | 42.337 | 3.941 | 0.0 | 44.105 | 4.602 | 0.0 | 49.0   | 3.943 | 0.0 | 45.783 | 4.207 | 0.0 | 42.133 | 3.934 | 0.0 | 43.1   | 3.872 |
| 169 | 13357 | 13358 | NS | 1 | 0.0 | 49.376 | 1.298 | 0.0 | 50.977 | 1.907 | 0.0 | 38.284 | 1.4   | 0.0 | 41.712 | 1.992 | 0.0 | 50.596 | 1.316 | 0.0 | 51.868 | 1.753 | 0.0 | 36.015 | 1.361 | 0.0 | 40.256 | 1.761 |
| 170 | 13357 | 13358 | SN | 1 | 0.0 | 49.572 | 1.174 | 0.0 | 47.527 | 1.813 | 0.0 | 43.695 | 1.092 | 0.0 | 47.781 | 1.529 | 0.0 | 50.161 | 1.176 | 0.0 | 52.299 | 1.612 | 0.0 | 41.816 | 0.992 | 0.0 | 46.555 | 1.303 |
| 171 | 13357 | 13358 | SN | 1 | 0.0 | 49.821 | 3.903 | 0.0 | 50.735 | 5.31  | 0.0 | 46.812 | 3.73  | 0.0 | 50.876 | 5.245 | 0.0 | 50.639 | 3.903 | 0.0 | 50.41  | 4.874 | 0.0 | 45.692 | 3.517 | 0.0 | 51.315 | 4.442 |
| 172 | 13357 | 13358 | NS | 1 | 0.0 | 45.824 | 4.815 | 0.0 | 50.305 | 7.22  | 0.0 | 43.223 | 4.786 | 0.0 | 44.79  | 6.019 | 0.0 | 45.037 | 4.784 | 0.0 | 49.569 | 6.783 | 0.0 | 45.629 | 4.608 | 0.0 | 45.984 | 5.457 |
| 173 | 13358 | 13359 | NS | 1 | 0.0 | 43.502 | 2.585 | 0.0 | 45.8   | 3.554 | 0.0 | 45.233 | 2.712 | 0.0 | 47.382 | 3.735 | 0.0 | 44.726 | 2.615 | 0.0 | 44.765 | 3.168 | 0.0 | 43.131 | 2.648 | 0.0 | 49.08  | 3.323 |
| 174 | 13358 | 13359 | SN | 1 | 0.0 | 48.198 | 2.121 | 0.0 | 51.803 | 2.75  | 0.0 | 48.653 | 1.666 | 0.0 | 51.363 | 2.292 | 0.0 | 49.163 | 2.13  | 0.0 | 54.318 | 2.532 | 0.0 | 49.514 | 1.593 | 0.0 | 47.273 | 1.977 |
| 175 | 13358 | 13359 | NS | 1 | 0.0 | 38.089 | 0.632 | 0.0 | 37.841 | 0.961 | 0.0 | 37.919 | 0.773 | 0.0 | 49.221 | 1.213 | 0.0 | 38.893 | 0.609 | 0.0 | 39.327 | 0.875 | 0.0 | 36.078 | 0.734 | 0.0 | 49.749 | 1.007 |

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

|     |       |       |    |   |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 176 | 13358 | 13359 | SN | 1 | 0.0 | 52.383 | 7.083 | 0.0 | 58.0   | 8.069 | 0.0 | 47.502 | 5.861 | 0.0 | 46.551 | 7.89  | 0.0 | 53.688 | 7.103 | 0.0 | 56.929 | 7.745 | 0.0 | 48.176 | 5.733 | 0.0 | 48.881 | 7.051 |
| 177 | 13359 | 13360 | SN | 1 | 0.0 | 55.202 | 5.485 | 0.0 | 52.415 | 5.928 | 0.0 | 46.387 | 4.058 | 0.0 | 44.387 | 5.055 | 0.0 | 55.395 | 5.465 | 0.0 | 51.674 | 5.746 | 0.0 | 48.14  | 4.122 | 0.0 | 45.332 | 4.642 |
| 178 | 13359 | 13360 | NS | 1 | 0.0 | 48.658 | 0.742 | 0.0 | 45.836 | 1.161 | 0.0 | 37.649 | 0.68  | 0.0 | 43.624 | 1.239 | 0.0 | 50.585 | 0.767 | 0.0 | 44.545 | 1.009 | 0.0 | 38.118 | 0.663 | 0.0 | 42.67  | 1.028 |
| 179 | 13359 | 13360 | SN | 1 | 0.0 | 48.755 | 1.362 | 0.0 | 46.594 | 1.673 | 0.0 | 37.79  | 1.224 | 0.0 | 40.115 | 1.688 | 0.0 | 49.93  | 1.359 | 0.0 | 45.964 | 1.634 | 0.0 | 37.306 | 1.248 | 0.0 | 39.081 | 1.537 |
| 180 | 13359 | 13360 | SN | 1 | 0.0 | 50.681 | 1.321 | 0.0 | 51.439 | 1.664 | 0.0 | 37.997 | 1.234 | 0.0 | 39.917 | 1.674 | 0.0 | 51.31  | 1.323 | 0.0 | 50.886 | 1.621 | 0.0 | 37.618 | 1.241 | 0.0 | 39.057 | 1.533 |
| 181 | 13359 | 13360 | NS | 1 | 0.0 | 43.656 | 3.122 | 0.0 | 48.192 | 4.04  | 0.0 | 37.716 | 2.457 | 0.0 | 39.976 | 3.639 | 0.0 | 43.39  | 3.243 | 0.0 | 49.16  | 3.876 | 0.0 | 38.004 | 2.301 | 0.0 | 39.413 | 3.203 |
| 182 | 13359 | 13360 | SN | 1 | 0.0 | 51.777 | 5.465 | 0.0 | 52.593 | 5.928 | 0.0 | 45.333 | 4.037 | 0.0 | 45.251 | 4.984 | 0.0 | 52.054 | 5.465 | 0.0 | 51.31  | 5.827 | 0.0 | 44.595 | 4.136 | 0.0 | 45.422 | 4.657 |
| 183 | 13360 | 13361 | NS | 1 | 0.0 | 43.24  | 1.45  | 0.0 | 42.499 | 1.704 | 0.0 | 35.624 | 1.343 | 0.0 | 46.45  | 1.814 | 0.0 | 43.626 | 1.407 | 0.0 | 45.692 | 1.571 | 0.0 | 36.876 | 1.219 | 0.0 | 46.1   | 1.595 |
| 184 | 13360 | 13361 | SN | 1 | 0.0 | 44.063 | 1.902 | 0.0 | 44.568 | 2.072 | 0.0 | 43.478 | 1.583 | 0.0 | 39.543 | 1.988 | 0.0 | 43.696 | 1.988 | 0.0 | 45.181 | 2.031 | 0.0 | 42.207 | 1.595 | 0.0 | 39.694 | 2.033 |
| 185 | 13360 | 13361 | SN | 1 | 0.0 | 45.971 | 7.553 | 0.0 | 46.153 | 7.418 | 0.0 | 42.362 | 5.371 | 0.0 | 44.048 | 5.532 | 0.0 | 46.799 | 7.604 | 0.0 | 47.254 | 7.337 | 0.0 | 41.034 | 5.357 | 0.0 | 42.604 | 5.759 |
| 186 | 13360 | 13361 | SN | 1 | 0.0 | 45.971 | 7.553 | 0.0 | 46.153 | 7.418 | 0.0 | 42.362 | 5.371 | 0.0 | 44.048 | 5.531 | 0.0 | 46.799 | 7.604 | 0.0 | 47.254 | 7.337 | 0.0 | 41.034 | 5.357 | 0.0 | 42.604 | 5.759 |
| 187 | 13360 | 13361 | NS | 1 | 0.0 | 48.539 | 4.32  | 0.0 | 55.574 | 5.778 | 0.0 | 40.353 | 4.297 | 0.0 | 41.339 | 5.876 | 0.0 | 50.278 | 4.32  | 0.0 | 55.14  | 5.565 | 0.0 | 40.846 | 4.112 | 0.0 | 42.246 | 5.037 |
| 188 | 13360 | 13361 | NS | 1 | 0.0 | 48.557 | 4.32  | 0.0 | 52.708 | 5.778 | 0.0 | 40.353 | 4.283 | 0.0 | 41.339 | 5.869 | 0.0 | 50.294 | 4.32  | 0.0 | 52.164 | 5.525 | 0.0 | 40.848 | 4.105 | 0.0 | 42.244 | 5.023 |
| 189 | 13360 | 13361 | SN | 1 | 0.0 | 44.063 | 1.902 | 0.0 | 44.568 | 2.072 | 0.0 | 43.478 | 1.583 | 0.0 | 39.543 | 1.988 | 0.0 | 43.696 | 1.988 | 0.0 | 45.181 | 2.031 | 0.0 | 42.207 | 1.595 | 0.0 | 39.694 | 2.031 |
| 190 | 13360 | 13361 | NS | 1 | 0.0 | 43.24  | 1.459 | 0.0 | 42.499 | 1.707 | 0.0 | 35.484 | 1.359 | 0.0 | 46.102 | 1.826 | 0.0 | 43.628 | 1.409 | 0.0 | 43.723 | 1.568 | 0.0 | 36.735 | 1.228 | 0.0 | 46.974 | 1.602 |
| 191 | 13361 | 13362 | SN | 1 | 0.0 | 45.474 | 1.648 | 0.0 | 50.199 | 2.539 | 0.0 | 40.353 | 1.811 | 0.0 | 42.292 | 2.44  | 0.0 | 47.448 | 1.685 | 0.0 | 52.088 | 2.466 | 0.0 | 41.995 | 1.796 | 0.0 | 42.248 | 2.374 |
| 192 | 13361 | 13362 | NS | 1 | 0.0 | 50.265 | 2.453 | 0.0 | 49.54  | 3.467 | 0.0 | 45.106 | 3.066 | 0.0 | 40.496 | 3.866 | 0.0 | 52.582 | 2.422 | 0.0 | 48.506 | 3.354 | 0.0 | 43.762 | 2.875 | 0.0 | 40.913 | 3.406 |
| 193 | 13361 | 13362 | SN | 1 | 0.0 | 54.936 | 6.19  | 0.0 | 52.106 | 7.91  | 0.0 | 46.49  | 6.218 | 0.0 | 48.956 | 7.509 | 0.0 | 54.997 | 6.312 | 0.0 | 51.684 | 7.786 | 0.0 | 44.988 | 6.431 | 0.0 | 53.884 | 7.753 |
| 194 | 13361 | 13362 | NS | 1 | 0.0 | 44.325 | 0.72  | 0.0 | 51.964 | 1.113 | 0.0 | 41.125 | 1.079 | 0.0 | 41.497 | 1.473 | 0.0 | 44.856 | 0.735 | 0.0 | 53.48  | 0.98  | 0.0 | 42.045 | 1.024 | 0.0 | 38.379 | 1.215 |
| 195 | 13362 | 13363 | SN | 1 | 0.0 | 52.598 | 3.801 | 0.0 | 55.024 | 4.937 | 0.0 | 44.158 | 3.293 | 0.0 | 49.909 | 4.558 | 0.0 | 52.59  | 3.812 | 0.0 | 54.363 | 4.717 | 0.0 | 42.812 | 3.009 | 0.0 | 49.223 | 3.717 |
| 196 | 13362 | 13363 | NS | 1 | 0.0 | 42.15  | 0.865 | 0.0 | 34.184 | 1.177 | 0.0 | 35.589 | 1.096 | 0.0 | 36.235 | 1.707 | 0.0 | 42.147 | 0.906 | 0.0 | 35.227 | 1.079 | 0.0 | 36.295 | 1.056 | 0.0 | 38.392 | 1.515 |
| 197 | 13362 | 13363 | SN | 1 | 0.0 | 44.311 | 0.804 | 0.0 | 49.722 | 1.401 | 0.0 | 38.263 | 0.807 | 0.0 | 49.461 | 1.328 | 0.0 | 43.898 | 0.834 | 0.0 | 50.673 | 1.342 | 0.0 | 37.28  | 0.78  | 0.0 | 45.001 | 1.042 |
| 198 | 13362 | 13363 | NS | 1 | 0.0 | 42.17  | 2.369 | 0.0 | 43.703 | 3.09  | 0.0 | 39.719 | 3.233 | 0.0 | 39.797 | 4.3   | 0.0 | 41.178 | 2.41  | 0.0 | 42.176 | 2.976 | 0.0 | 37.381 | 3.368 | 0.0 | 35.913 | 4.111 |
| 199 | 13363 | 13364 | SN | 1 | 0.0 | 38.253 | 0.84  | 0.0 | 42.318 | 1.071 | 0.0 | 41.494 | 1.144 | 0.0 | 38.093 | 1.551 | 0.0 | 38.489 | 0.851 | 0.0 | 42.162 | 0.988 | 0.0 | 43.623 | 1.076 | 0.0 | 37.614 | 1.382 |
| 200 | 13363 | 13364 | NS | 1 | 0.0 | 46.628 | 2.091 | 0.0 | 46.928 | 3.423 | 0.0 | 38.353 | 3.668 | 0.0 | 42.954 | 4.727 | 0.0 | 46.123 | 2.029 | 0.0 | 46.713 | 3.112 | 0.0 | 37.848 | 3.459 | 0.0 | 42.262 | 4.034 |
| 201 | 13363 | 13364 | NS | 1 | 0.0 | 46.628 | 2.066 | 0.0 | 46.928 | 3.378 | 0.0 | 38.353 | 3.631 | 0.0 | 42.954 | 4.806 | 0.0 | 46.123 | 2.004 | 0.0 | 46.713 | 3.071 | 0.0 | 37.848 | 3.403 | 0.0 | 42.262 | 4.103 |
| 202 | 13363 | 13364 | SN | 1 | 0.0 | 45.411 | 3.223 | 0.0 | 53.22  | 3.784 | 0.0 | 39.356 | 3.587 | 0.0 | 43.779 | 4.335 | 0.0 | 47.822 | 3.213 | 0.0 | 53.973 | 3.642 | 0.0 | 40.39  | 3.41  | 0.0 | 42.016 | 3.866 |
| 203 | 13363 | 13364 | NS | 1 | 0.0 | 41.511 | 0.935 | 0.0 | 44.284 | 1.288 | 0.0 | 40.927 | 1.235 | 0.0 | 43.22  | 1.733 | 0.0 | 41.78  | 0.912 | 0.0 | 45.586 | 1.157 | 0.0 | 41.431 | 1.127 | 0.0 | 42.799 | 1.424 |
| 204 | 13363 | 13364 | NS | 1 | 0.0 | 41.511 | 0.926 | 0.0 | 44.284 | 1.274 | 0.0 | 40.927 | 1.214 | 0.0 | 43.22  | 1.771 | 0.0 | 41.78  | 0.905 | 0.0 | 45.586 | 1.144 | 0.0 | 41.431 | 1.113 | 0.0 | 42.799 | 1.453 |
| 205 | 13364 | 13365 | NS | 1 | 0.0 | 50.476 | 5.09  | 0.0 | 43.333 | 6.377 | 0.0 | 39.614 | 4.805 | 0.0 | 43.11  | 5.782 | 0.0 | 50.385 | 5.121 | 0.0 | 43.66  | 6.082 | 0.0 | 39.762 | 4.748 | 0.0 | 44.425 | 5.327 |
| 206 | 13364 | 13365 | NS | 1 | 0.0 | 50.325 | 1.388 | 0.0 | 51.712 | 1.776 | 0.0 | 50.937 | 1.366 | 0.0 | 40.966 | 1.811 | 0.0 | 49.923 | 1.409 | 0.0 | 51.857 | 1.69  | 0.0 | 47.898 | 1.288 | 0.0 | 41.372 | 1.603 |
| 207 | 13364 | 13365 | SN | 1 | 0.0 | 41.659 | 3.45  | 0.0 | 45.112 | 4.278 | 0.0 | 39.546 | 3.988 | 0.0 | 40.683 | 5.575 | 0.0 | 41.896 | 3.49  | 0.0 | 45.485 | 4.125 | 0.0 | 39.584 | 3.981 | 0.0 | 37.686 | 5.081 |
| 208 | 13364 | 13365 | SN | 1 | 0.0 | 47.731 | 1.035 | 0.0 | 40.651 | 1.28  | 0.0 | 37.926 | 1.271 | 0.0 | 36.424 | 1.866 | 0.0 | 47.299 | 1.042 | 0.0 | 37.944 | 1.191 | 0.0 | 36.929 | 1.204 | 0.0 | 36.067 | 1.623 |
| 209 | 13365 | 13366 | NS | 1 | 0.0 | 47.903 | 0.991 | 0.0 | 46.36  | 1.116 | 0.0 | 42.866 | 1.083 | 0.0 | 40.746 | 1.447 | 0.0 | 47.234 | 0.986 | 0.0 | 44.045 | 0.978 | 0.0 | 42.084 | 0.992 | 0.0 | 41.519 | 1.189 |
| 210 | 13365 | 13366 | NS | 1 | 0.0 | 52.726 | 3.253 | 0.0 | 54.42  | 3.753 | 0.0 | 45.576 | 3.515 | 0.0 | 49.95  | 4.374 | 0.0 | 52.883 | 3.122 | 0.0 | 56.483 | 3.414 | 0.0 | 47.911 | 3.373 | 0.0 | 48.561 | 3.711 |
| 211 | 13365 | 13366 | SN | 1 | 0.0 | 46.405 | 0.797 | 0.0 | 40.462 | 1.029 | 0.0 | 38.608 | 0.901 | 0.0 | 38.531 | 1.163 | 0.0 | 47.456 | 0.815 | 0.0 | 40.002 | 0.954 | 0.0 | 39.602 | 0.896 | 0.0 | 37.199 | 1.097 |

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

|     |       |       |    |   |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |       |      |     |        |       |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|-------|------|-----|--------|-------|
| 212 | 13365 | 13366 | SN | 1 | 0.0 | 44.973 | 3.113 | 0.0 | 36.805 | 3.289 | 0.0 | 43.078 | 3.077 | 0.0 | 37.844 | 3.889 | 0.0 | 44.202 | 3.113 | 0.0 | 37.593 | 3.177 | 0.0 | 42.24 | 3.12 | 0.0 | 38.918 | 3.562 |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|-------|------|-----|--------|-------|

|                          |            |      |        |        |            |
|--------------------------|------------|------|--------|--------|------------|
| 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     | 13337       | 13338     | NS   | 1    | 0.0           | 79.361  | 5.69       | 0.0        | 24.299  | 6.942      | 0.0       | 350.795 | 2.102      | 0.0        | 50.181  | 3.071      | 0.0             | 1.404 | 0.0        | 0.0        | 1.763 | 0.0        | 0.0       | 1.823 | 0.0        | 0.0        | 2.116 | 0.0        |
| 2     | 13337       | 13338     | NS   | 1    | 0.0           | 124.633 | 10.516     | 0.0        | 31.921  | 14.592     | 0.0       | 254.765 | 10.105     | 0.0        | 73.565  | 12.32      | 0.0             | 1.395 | 0.0        | 0.0        | 1.764 | 0.0        | 0.0       | 1.818 | 0.0        | 0.0        | 2.118 | 0.0        |
| 3     | 13337       | 13338     | SN   | 1    | 0.0           | 31.066  | 13.126     | 0.0        | 23.803  | 12.581     | 0.0       | 143.098 | 11.821     | 0.0        | 81.63   | 13.348     | 0.0             | 1.429 | 0.0        | 0.0        | 1.789 | 0.0        | 0.0       | 1.842 | 0.0        | 0.0        | 2.146 | 0.0        |
| 4     | 13337       | 13338     | SN   | 1    | 0.0           | 31.066  | 13.108     | 0.0        | 23.803  | 12.862     | 0.0       | 143.098 | 11.581     | 0.0        | 81.63   | 13.712     | 0.0             | 1.429 | 0.0        | 0.0        | 1.789 | 0.0        | 0.0       | 1.842 | 0.0        | 0.0        | 2.146 | 0.0        |
| 5     | 13337       | 13338     | SN   | 1    | 0.0           | 31.066  | 13.108     | 0.0        | 23.803  | 12.862     | 0.0       | 143.098 | 11.581     | 0.0        | 81.63   | 13.712     | 0.0             | 1.429 | 0.0        | 0.0        | 1.789 | 0.0        | 0.0       | 1.842 | 0.0        | 0.0        | 2.146 | 0.0        |
| 6     | 13337       | 13338     | SN   | 1    | 0.0           | 21.751  | 6.318      | 0.0        | 24.636  | 7.74       | 0.0       | 153.51  | 2.602      | 0.0        | 78.415  | 3.54       | 0.0             | 1.427 | 0.0        | 0.0        | 1.787 | 0.0        | 0.0       | 1.849 | 0.0        | 0.0        | 2.144 | 0.0        |
| 7     | 13337       | 13338     | SN   | 1    | 0.0           | 21.751  | 6.318      | 0.0        | 24.636  | 7.74       | 0.0       | 153.51  | 2.602      | 0.0        | 78.415  | 3.54       | 0.0             | 1.427 | 0.0        | 0.0        | 1.787 | 0.0        | 0.0       | 1.849 | 0.0        | 0.0        | 2.144 | 0.0        |
| 8     | 13337       | 13338     | SN   | 1    | 0.0           | 21.751  | 6.416      | 0.0        | 24.636  | 7.797      | 0.0       | 153.51  | 2.672      | 0.0        | 78.415  | 3.46       | 0.0             | 1.427 | 0.0        | 0.0        | 1.787 | 0.0        | 0.0       | 1.849 | 0.0        | 0.0        | 2.144 | 0.0        |
| 9     | 13338       | 13339     | SN   | 1    | 0.0           | 21.729  | 6.383      | 0.0        | 24.647  | 7.7        | 0.0       | 148.53  | 2.625      | 0.0        | 13.628  | 3.414      | 0.0             | 1.423 | 0.0        | 0.0        | 1.788 | 0.0        | 0.0       | 1.849 | 0.0        | 0.0        | 2.144 | 0.0        |
| 10    | 13338       | 13339     | NS   | 1    | 0.0           | 24.542  | 5.679      | 0.0        | 24.299  | 6.928      | 0.0       | 345.209 | 2.06       | 0.0        | 50.523  | 3.028      | 0.0             | 1.404 | 0.0        | 0.0        | 1.763 | 0.0        | 0.0       | 1.823 | 0.0        | 0.0        | 2.116 | 0.0        |
| 11    | 13338       | 13339     | NS   | 1    | 0.0           | 24.542  | 5.677      | 0.0        | 24.299  | 6.924      | 0.0       | 345.198 | 2.062      | 0.0        | 50.512  | 3.03       | 0.0             | 1.404 | 0.0        | 0.0        | 1.763 | 0.0        | 0.0       | 1.823 | 0.0        | 0.0        | 2.116 | 0.0        |
| 12    | 13338       | 13339     | SN   | 1    | 0.0           | 31.121  | 13.083     | 0.0        | 23.803  | 12.7       | 0.0       | 134.787 | 11.584     | 0.0        | 18.227  | 13.355     | 0.0             | 1.441 | 0.0        | 0.0        | 1.79  | 0.0        | 0.0       | 1.846 | 0.0        | 0.0        | 2.143 | 0.0        |
| 13    | 13338       | 13339     | SN   | 1    | 0.0           | 31.121  | 13.082     | 0.0        | 23.803  | 12.718     | 0.0       | 134.787 | 11.584     | 0.0        | 19.473  | 13.385     | 0.0             | 1.441 | 0.0        | 0.0        | 1.79  | 0.0        | 0.0       | 1.846 | 0.0        | 0.0        | 2.143 | 0.0        |
| 14    | 13338       | 13339     | NS   | 1    | 0.0           | 22.391  | 10.512     | 0.0        | 31.981  | 14.589     | 0.0       | 281.257 | 10.018     | 0.0        | 77.828  | 12.231     | 0.0             | 1.394 | 0.0        | 0.0        | 1.764 | 0.0        | 0.0       | 1.819 | 0.0        | 0.0        | 2.118 | 0.0        |
| 15    | 13338       | 13339     | NS   | 1    | 0.0           | 22.391  | 10.492     | 0.0        | 31.976  | 14.589     | 0.0       | 245.244 | 9.996      | 0.0        | 77.811  | 12.231     | 0.0             | 1.395 | 0.0        | 0.0        | 1.764 | 0.0        | 0.0       | 1.818 | 0.0        | 0.0        | 2.118 | 0.0        |
| 16    | 13338       | 13339     | SN   | 1    | 0.0           | 31.121  | 13.08      | 0.0        | 23.803  | 12.883     | 0.0       | 134.787 | 11.464     | 0.0        | 76.041  | 13.577     | 0.0             | 1.441 | 0.0        | 0.0        | 1.79  | 0.0        | 0.0       | 1.846 | 0.0        | 0.0        | 2.143 | 0.0        |
| 17    | 13338       | 13339     | SN   | 1    | 0.0           | 21.729  | 6.326      | 0.0        | 24.647  | 7.67       | 0.0       | 148.53  | 2.588      | 0.0        | 55.349  | 3.477      | 0.0             | 1.423 | 0.0        | 0.0        | 1.788 | 0.0        | 0.0       | 1.849 | 0.0        | 0.0        | 2.144 | 0.0        |
| 18    | 13338       | 13339     | SN   | 1    | 0.0           | 21.729  | 6.383      | 0.0        | 24.647  | 7.701      | 0.0       | 148.53  | 2.625      | 0.0        | 13.628  | 3.411      | 0.0             | 1.423 | 0.0        | 0.0        | 1.788 | 0.0        | 0.0       | 1.849 | 0.0        | 0.0        | 2.144 | 0.0        |
| 19    | 13339       | 13340     | SN   | 1    | 0.0           | 28.391  | 13.104     | 0.0        | 71.251  | 12.924     | 0.0       | 97.494  | 11.505     | 0.0        | 278.703 | 13.664     | 0.0             | 1.432 | 0.0        | 0.0        | 1.791 | 0.0        | 0.0       | 1.842 | 0.0        | 0.0        | 2.146 | 0.0        |
| 20    | 13339       | 13340     | NS   | 1    | 0.0           | 263.793 | 10.486     | 0.0        | 33.024  | 14.63      | 0.0       | 162.483 | 9.72       | 0.0        | 73.868  | 12.117     | 0.0             | 1.395 | 0.0        | 0.0        | 1.763 | 0.0        | 0.0       | 1.812 | 0.0        | 0.0        | 2.116 | 0.0        |
| 21    | 13339       | 13340     | SN   | 1    | 0.0           | 21.713  | 6.261      | 0.0        | 228.076 | 7.692      | 0.0       | 107.752 | 2.585      | 0.0        | 191.781 | 3.506      | 0.0             | 1.417 | 0.0        | 0.0        | 1.788 | 0.0        | 0.0       | 1.85  | 0.0        | 0.0        | 2.145 | 0.0        |
| 22    | 13339       | 13340     | NS   | 1    | 0.0           | 201.375 | 5.605      | 0.0        | 24.294  | 6.887      | 0.0       | 162.483 | 1.948      | 0.0        | 51.168  | 2.913      | 0.0             | 1.402 | 0.0        | 0.0        | 1.763 | 0.0        | 0.0       | 1.823 | 0.0        | 0.0        | 2.117 | 0.0        |
| 23    | 13339       | 13340     | SN   | 1    | 0.0           | 21.713  | 6.261      | 0.0        | 228.076 | 7.692      | 0.0       | 107.752 | 2.585      | 0.0        | 191.781 | 3.506      | 0.0             | 1.417 | 0.0        | 0.0        | 1.788 | 0.0        | 0.0       | 1.85  | 0.0        | 0.0        | 2.145 | 0.0        |
| 24    | 13339       | 13340     | SN   | 1    | 0.0           | 21.713  | 6.329      | 0.0        | 228.076 | 7.72       | 0.0       | 107.752 | 2.63       | 0.0        | 191.781 | 3.423      | 0.0             | 1.417 | 0.0        | 0.0        | 1.788 | 0.0        | 0.0       | 1.85  | 0.0        | 0.0        | 2.145 | 0.0        |
| 25    | 13339       | 13340     | SN   | 1    | 0.0           | 28.391  | 13.104     | 0.0        | 71.251  | 12.924     | 0.0       | 97.494  | 11.505     | 0.0        | 278.703 | 13.664     | 0.0             | 1.432 | 0.0        | 0.0        | 1.791 | 0.0        | 0.0       | 1.842 | 0.0        | 0.0        | 2.146 | 0.0        |
| 26    | 13339       | 13340     | SN   | 1    | 0.0           | 28.391  | 13.126     | 0.0        | 71.251  | 12.77      | 0.0       | 97.494  | 11.654     | 0.0        | 278.703 | 13.44      | 0.0             | 1.432 | 0.0        | 0.0        | 1.791 | 0.0        | 0.0       | 1.842 | 0.0        | 0.0        | 2.146 | 0.0        |
| 27    | 13340       | 13341     | SN   | 1    | 0.0           | 21.713  | 6.343      | 0.0        | 24.63   | 7.683      | 0.0       | 137.71  | 2.613      | 0.0        | 44.368  | 3.518      | 0.0             | 1.421 | 0.0        | 0.0        | 1.787 | 0.0        | 0.0       | 1.848 | 0.0        | 0.0        | 2.145 | 0.0        |
| 28    | 13340       | 13341     | NS   | 1    | 0.0           | 78.68   | 5.701      | 0.0        | 24.299  | 6.953      | 0.0       | 349.51  | 2.084      | 0.0        | 53.793  | 3.045      | 0.0             | 1.401 | 0.0        | 0.0        | 1.763 | 0.0        | 0.0       | 1.822 | 0.0        | 0.0        | 2.117 | 0.0        |
| 29    | 13340       | 13341     | SN   | 1    | 0.0           | 21.713  | 6.436      | 0.0        | 24.63   | 7.728      | 0.0       | 137.71  | 2.681      | 0.0        | 12.911  | 3.427      | 0.0             | 1.421 | 0.0        | 0.0        | 1.787 | 0.0        | 0.0       | 1.848 | 0.0        | 0.0        | 2.145 | 0.0        |
| 30    | 13340       | 13341     | NS   | 1    | 0.0           | 150.937 | 10.557     | 0.0        | 33.002  | 14.751     | 0.0       | 355.45  | 10.014     | 0.0        | 81.534  | 12.34      | 0.0             | 1.395 | 0.0        | 0.0        | 1.763 | 0.0        | 0.0       | 1.812 | 0.0        | 0.0        | 2.116 | 0.0        |
| 31    | 13340       | 13341     | NS   | 1    | 0.0           | 200.426 | 5.698      | 0.0        | 24.294  | 6.964      | 0.0       | 128.138 | 2.071      | 0.0        | 62.783  | 3.046      | 0.0             | 1.403 | 0.0        | 0.0        | 1.762 | 0.0        | 0.0       | 1.822 | 0.0        | 0.0        | 2.118 | 0.0        |

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

|    |       |       |    |   |     |         |        |     |         |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 32 | 13340 | 13341 | SN | 1 | 0.0 | 31.364  | 13.184 | 0.0 | 23.792  | 12.822 | 0.0 | 150.504 | 11.529 | 0.0 | 69.461  | 13.654 | 0.0 | 1.433 | 0.0 | 0.0 | 1.79  | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.146 | 0.0 |
| 33 | 13340 | 13341 | SN | 1 | 0.0 | 31.364  | 13.233 | 0.0 | 23.792  | 12.604 | 0.0 | 150.504 | 11.76  | 0.0 | 15.166  | 13.261 | 0.0 | 1.433 | 0.0 | 0.0 | 1.79  | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.146 | 0.0 |
| 34 | 13340 | 13341 | NS | 1 | 0.0 | 238.902 | 10.644 | 0.0 | 32.732  | 14.682 | 0.0 | 137.894 | 10.01  | 0.0 | 73.587  | 12.28  | 0.0 | 1.395 | 0.0 | 0.0 | 1.764 | 0.0 | 0.0 | 1.819 | 0.0 | 0.0 | 2.118 | 0.0 |
| 35 | 13341 | 13342 | NS | 1 | 0.0 | 24.542  | 5.706  | 0.0 | 24.31   | 6.96   | 0.0 | 212.397 | 2.109  | 0.0 | 52.74   | 3.073  | 0.0 | 1.402 | 0.0 | 0.0 | 1.763 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 2.117 | 0.0 |
| 36 | 13341 | 13342 | SN | 1 | 0.0 | 31.237  | 13.142 | 0.0 | 23.819  | 12.838 | 0.0 | 151.238 | 11.381 | 0.0 | 64.095  | 13.55  | 0.0 | 1.439 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.144 | 0.0 |
| 37 | 13341 | 13342 | NS | 1 | 0.0 | 22.385  | 10.602 | 0.0 | 32.759  | 14.66  | 0.0 | 133.824 | 10.152 | 0.0 | 70.697  | 12.259 | 0.0 | 1.394 | 0.0 | 0.0 | 1.764 | 0.0 | 0.0 | 1.818 | 0.0 | 0.0 | 2.118 | 0.0 |
| 38 | 13341 | 13342 | SN | 1 | 0.0 | 23.825  | 6.425  | 0.0 | 24.63   | 7.706  | 0.0 | 154.801 | 2.649  | 0.0 | 12.911  | 3.375  | 0.0 | 1.424 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.145 | 0.0 |
| 39 | 13341 | 13342 | SN | 1 | 0.0 | 23.825  | 6.299  | 0.0 | 24.63   | 7.629  | 0.0 | 154.801 | 2.55   | 0.0 | 122.993 | 3.452  | 0.0 | 1.424 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.145 | 0.0 |
| 40 | 13341 | 13342 | NS | 1 | 0.0 | 24.542  | 5.704  | 0.0 | 24.31   | 6.96   | 0.0 | 279.9   | 2.104  | 0.0 | 52.762  | 3.063  | 0.0 | 1.402 | 0.0 | 0.0 | 1.762 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 2.117 | 0.0 |
| 41 | 13341 | 13342 | NS | 1 | 0.0 | 22.385  | 10.612 | 0.0 | 32.759  | 14.672 | 0.0 | 133.835 | 10.152 | 0.0 | 70.669  | 12.266 | 0.0 | 1.394 | 0.0 | 0.0 | 1.764 | 0.0 | 0.0 | 1.818 | 0.0 | 0.0 | 2.118 | 0.0 |
| 42 | 13341 | 13342 | SN | 1 | 0.0 | 31.237  | 13.205 | 0.0 | 23.819  | 12.5   | 0.0 | 151.238 | 11.725 | 0.0 | 14.333  | 13.036 | 0.0 | 1.439 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.144 | 0.0 |
| 43 | 13342 | 13343 | SN | 1 | 0.0 | 31.309  | 13.218 | 0.0 | 208.293 | 12.531 | 0.0 | 139.05  | 12.037 | 0.0 | 14.333  | 13.151 | 0.0 | 1.44  | 0.0 | 0.0 | 1.79  | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.145 | 0.0 |
| 44 | 13342 | 13343 | NS | 1 | 0.0 | 22.413  | 10.541 | 0.0 | 32.787  | 14.645 | 0.0 | 129.01  | 10.039 | 0.0 | 76.686  | 12.253 | 0.0 | 1.395 | 0.0 | 0.0 | 1.764 | 0.0 | 0.0 | 1.818 | 0.0 | 0.0 | 2.114 | 0.0 |
| 45 | 13342 | 13343 | NS | 1 | 0.0 | 24.553  | 5.664  | 0.0 | 24.299  | 6.906  | 0.0 | 217.906 | 2.061  | 0.0 | 54.797  | 3.007  | 0.0 | 1.405 | 0.0 | 0.0 | 1.763 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 2.118 | 0.0 |
| 46 | 13342 | 13343 | NS | 1 | 0.0 | 24.547  | 5.658  | 0.0 | 24.299  | 6.903  | 0.0 | 348.948 | 2.043  | 0.0 | 48.94   | 3.012  | 0.0 | 1.404 | 0.0 | 0.0 | 1.763 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 2.117 | 0.0 |
| 47 | 13342 | 13343 | SN | 1 | 0.0 | 21.735  | 6.502  | 0.0 | 24.624  | 7.834  | 0.0 | 141.283 | 2.757  | 0.0 | 12.911  | 3.544  | 0.0 | 1.423 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.144 | 0.0 |
| 48 | 13342 | 13343 | SN | 1 | 0.0 | 21.735  | 6.324  | 0.0 | 24.624  | 7.731  | 0.0 | 141.283 | 2.609  | 0.0 | 63.693  | 3.593  | 0.0 | 1.423 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.144 | 0.0 |
| 49 | 13342 | 13343 | SN | 1 | 0.0 | 31.309  | 13.121 | 0.0 | 208.293 | 12.902 | 0.0 | 139.05  | 11.508 | 0.0 | 73.421  | 13.766 | 0.0 | 1.44  | 0.0 | 0.0 | 1.79  | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.145 | 0.0 |
| 50 | 13342 | 13343 | NS | 1 | 0.0 | 22.385  | 10.499 | 0.0 | 31.877  | 14.549 | 0.0 | 217.912 | 10.03  | 0.0 | 76.89   | 12.228 | 0.0 | 1.396 | 0.0 | 0.0 | 1.764 | 0.0 | 0.0 | 1.819 | 0.0 | 0.0 | 2.118 | 0.0 |
| 51 | 13343 | 13344 | NS | 1 | 0.0 | 91.348  | 10.433 | 0.0 | 31.932  | 14.483 | 0.0 | 242.475 | 10.022 | 0.0 | 76.796  | 11.942 | 0.0 | 1.395 | 0.0 | 0.0 | 1.765 | 0.0 | 0.0 | 1.818 | 0.0 | 0.0 | 2.128 | 0.0 |
| 52 | 13343 | 13344 | SN | 1 | 0.0 | 75.313  | 13.064 | 0.0 | 23.808  | 12.933 | 0.0 | 140.55  | 11.454 | 0.0 | 188.484 | 13.719 | 0.0 | 1.43  | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.145 | 0.0 |
| 53 | 13343 | 13344 | SN | 1 | 0.0 | 75.313  | 13.064 | 0.0 | 23.808  | 12.964 | 0.0 | 140.55  | 11.454 | 0.0 | 188.484 | 13.712 | 0.0 | 1.43  | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.145 | 0.0 |
| 54 | 13343 | 13344 | NS | 1 | 0.0 | 100.122 | 5.697  | 0.0 | 24.294  | 6.852  | 0.0 | 344.37  | 2.117  | 0.0 | 51.433  | 3.014  | 0.0 | 1.411 | 0.0 | 0.0 | 1.763 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 2.117 | 0.0 |
| 55 | 13343 | 13344 | SN | 1 | 0.0 | 68.044  | 6.303  | 0.0 | 24.613  | 7.726  | 0.0 | 133.838 | 2.685  | 0.0 | 278.488 | 3.576  | 0.0 | 1.42  | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.146 | 0.0 |
| 56 | 13343 | 13344 | SN | 1 | 0.0 | 75.313  | 13.166 | 0.0 | 23.808  | 12.475 | 0.0 | 140.55  | 12.216 | 0.0 | 188.484 | 13.015 | 0.0 | 1.43  | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.145 | 0.0 |
| 57 | 13343 | 13344 | NS | 1 | 0.0 | 91.342  | 10.432 | 0.0 | 32.825  | 14.463 | 0.0 | 242.475 | 9.965  | 0.0 | 76.719  | 11.943 | 0.0 | 1.395 | 0.0 | 0.0 | 1.765 | 0.0 | 0.0 | 1.818 | 0.0 | 0.0 | 2.128 | 0.0 |
| 58 | 13343 | 13344 | SN | 1 | 0.0 | 68.044  | 6.303  | 0.0 | 24.613  | 7.729  | 0.0 | 133.838 | 2.687  | 0.0 | 278.488 | 3.57   | 0.0 | 1.42  | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.146 | 0.0 |
| 59 | 13343 | 13344 | NS | 1 | 0.0 | 100.117 | 5.69   | 0.0 | 24.294  | 6.864  | 0.0 | 344.332 | 2.105  | 0.0 | 51.378  | 3.01   | 0.0 | 1.411 | 0.0 | 0.0 | 1.763 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 2.117 | 0.0 |
| 60 | 13343 | 13344 | SN | 1 | 0.0 | 68.044  | 6.549  | 0.0 | 24.613  | 7.841  | 0.0 | 133.838 | 2.903  | 0.0 | 278.488 | 3.609  | 0.0 | 1.42  | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.146 | 0.0 |
| 61 | 13344 | 13345 | SN | 1 | 0.0 | 31.766  | 13.183 | 0.0 | 171.144 | 12.765 | 0.0 | 157.326 | 11.396 | 0.0 | 217.465 | 13.605 | 0.0 | 1.435 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.144 | 0.0 |
| 62 | 13344 | 13345 | NS | 1 | 0.0 | 44.713  | 5.685  | 0.0 | 24.272  | 6.929  | 0.0 | 196.326 | 2.153  | 0.0 | 50.462  | 3.102  | 0.0 | 1.405 | 0.0 | 0.0 | 1.764 | 0.0 | 0.0 | 1.825 | 0.0 | 0.0 | 2.119 | 0.0 |
| 63 | 13344 | 13345 | SN | 1 | 0.0 | 21.746  | 6.284  | 0.0 | 129.214 | 7.649  | 0.0 | 150.251 | 2.696  | 0.0 | 262.081 | 3.493  | 0.0 | 1.428 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.147 | 0.0 |
| 64 | 13344 | 13345 | SN | 1 | 0.0 | 21.746  | 6.284  | 0.0 | 129.214 | 7.649  | 0.0 | 150.251 | 2.696  | 0.0 | 262.081 | 3.493  | 0.0 | 1.428 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.147 | 0.0 |
| 65 | 13344 | 13345 | NS | 1 | 0.0 | 101.17  | 5.694  | 0.0 | 24.272  | 6.929  | 0.0 | 196.32  | 2.164  | 0.0 | 50.512  | 3.098  | 0.0 | 1.405 | 0.0 | 0.0 | 1.764 | 0.0 | 0.0 | 1.825 | 0.0 | 0.0 | 2.119 | 0.0 |
| 66 | 13344 | 13345 | NS | 1 | 0.0 | 22.396  | 10.501 | 0.0 | 33.007  | 14.593 | 0.0 | 227.276 | 10.233 | 0.0 | 73.918  | 12.129 | 0.0 | 1.395 | 0.0 | 0.0 | 1.763 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 2.121 | 0.0 |
| 67 | 13344 | 13345 | SN | 1 | 0.0 | 31.766  | 13.348 | 0.0 | 171.144 | 12.205 | 0.0 | 157.326 | 12.503 | 0.0 | 217.465 | 12.816 | 0.0 | 1.435 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.144 | 0.0 |
| 68 | 13344 | 13345 | SN | 1 | 0.0 | 31.766  | 13.183 | 0.0 | 171.144 | 12.765 | 0.0 | 157.326 | 11.396 | 0.0 | 217.465 | 13.605 | 0.0 | 1.435 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.144 | 0.0 |

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

|     |       |       |    |   |     |         |        |     |         |        |     |         |        |          |           |        |       |       |     |       |       |     |       |       |          |           |       |     |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|----------|-----------|--------|-------|-------|-----|-------|-------|-----|-------|-------|----------|-----------|-------|-----|
| 69  | 13344 | 13345 | SN | 1 | 0.0 | 21.746  | 6.616  | 0.0 | 129.214 | 7.787  | 0.0 | 150.251 | 3.002  | 0.0      | 262.081   | 3.61   | 0.0   | 1.428 | 0.0 | 0.0   | 1.787 | 0.0 | 0.0   | 1.85  | 0.0      | 0.0       | 2.147 | 0.0 |
| 70  | 13344 | 13345 | NS | 1 | 0.0 | 159.171 | 10.511 | 0.0 | 33.007  | 14.593 | 0.0 | 227.276 | 10.226 | 0.0      | 73.846    | 12.072 | 0.0   | 1.395 | 0.0 | 0.0   | 1.763 | 0.0 | 0.0   | 1.813 | 0.0      | 0.0       | 2.117 | 0.0 |
| 71  | 13345 | 13346 | NS | 1 | 0.0 | 42.882  | 10.525 | 0.0 | 32.996  | 14.66  | 0.0 | 355.384 | 10.355 | 0.0      | 81.738    | 12.134 | 0.0   | 1.396 | 0.0 | 0.0   | 1.763 | 0.0 | 0.0   | 1.814 | 0.0      | 0.0       | 2.119 | 0.0 |
| 72  | 13345 | 13346 | NS | 1 | 0.0 | 158.851 | 5.705  | 0.0 | 24.299  | 6.974  | 0.0 | 257.101 | 2.179  | 0.0      | 59.849    | 3.127  | 0.0   | 1.404 | 0.0 | 0.0   | 1.764 | 0.0 | 0.0   | 1.823 | 0.0      | 0.0       | 2.119 | 0.0 |
| 73  | 13345 | 13346 | SN | 1 | 0.0 | 31.292  | 13.168 | 0.0 | 236.321 | 12.8   | 0.0 | 150.615 | 11.465 | 0.0      | 209.887   | 13.632 | 0.0   | 1.434 | 0.0 | 0.0   | 1.788 | 0.0 | 0.0   | 1.833 | 0.0      | 0.0       | 2.143 | 0.0 |
| 74  | 13345 | 13346 | SN | 1 | 0.0 | 21.751  | 6.296  | 0.0 | 94.48   | 7.683  | 0.0 | 137.941 | 2.739  | 0.0      | 172.468   | 3.521  | 0.0   | 1.416 | 0.0 | 0.0   | 1.786 | 0.0 | 0.0   | 1.847 | 0.0      | 0.0       | 2.143 | 0.0 |
| 75  | 13346 | 13347 | NS | 1 | 0.0 | 204.102 | 5.714  | 0.0 | 24.283  | 6.934  | 0.0 | 188.412 | 2.185  | 0.0      | 52.817    | 3.154  | 0.0   | 1.403 | 0.0 | 0.0   | 1.764 | 0.0 | 0.0   | 1.823 | 0.0      | 0.0       | 2.118 | 0.0 |
| 76  | 13346 | 13347 | NS | 1 | 0.0 | 41.387  | 10.529 | 0.0 | 32.754  | 14.709 | 0.0 | 188.467 | 10.177 | 0.0      | 70.283    | 12.267 | 0.0   | 1.394 | 0.0 | 0.0   | 1.766 | 0.0 | 0.0   | 1.815 | 0.0      | 0.0       | 2.12  | 0.0 |
| 77  | 13346 | 13347 | NS | 1 | 0.0 | 41.387  | 10.529 | 0.0 | 32.754  | 14.709 | 0.0 | 188.467 | 10.177 | 0.0      | 70.283    | 12.267 | 0.0   | 1.394 | 0.0 | 0.0   | 1.766 | 0.0 | 0.0   | 1.815 | 0.0      | 0.0       | 2.12  | 0.0 |
| 78  | 13346 | 13347 | SN | 1 | 0.0 | 31.386  | 13.114 | 0.0 | 23.819  | 12.773 | 0.0 | 153.014 | 11.392 | 0.0      | 140.509   | 13.604 | 0.0   | 1.439 | 0.0 | 0.0   | 1.788 | 0.0 | 0.0   | 1.832 | 0.0      | 0.0       | 2.142 | 0.0 |
| 79  | 13346 | 13347 | NS | 1 | 0.0 | 204.102 | 5.714  | 0.0 | 24.283  | 6.934  | 0.0 | 188.412 | 2.185  | 0.0      | 52.817    | 3.154  | 0.0   | 1.403 | 0.0 | 0.0   | 1.764 | 0.0 | 0.0   | 1.823 | 0.0      | 0.0       | 2.118 | 0.0 |
| 80  | 13346 | 13347 | SN | 1 | 0.0 | 21.961  | 6.276  | 0.0 | 24.608  | 7.667  | 0.0 | 145.392 | 2.681  | 0.0      | 202.753   | 3.493  | 0.0   | 1.425 | 0.0 | 0.0   | 1.786 | 0.0 | 0.0   | 1.844 | 0.0      | 0.0       | 2.143 | 0.0 |
| 81  | 13347 | 13348 | SN | 1 | 0.0 | 31.375  | 13.089 | 0.0 | 23.819  | 12.825 | 0.0 | 141.019 | 11.496 | 0.0      | 80.552    | 13.524 | 0.0   | 1.439 | 0.0 | 0.0   | 1.788 | 0.0 | 0.0   | 1.836 | 0.0      | 0.0       | 2.143 | 0.0 |
| 82  | 13347 | 13348 | NS | 1 | 0.0 | 45.452  | 5.683  | 0.0 | 24.277  | 6.892  | 0.0 | 344.751 | 2.14   | 0.0      | 48.389    | 3.139  | 0.0   | 1.404 | 0.0 | 0.0   | 1.764 | 0.0 | 0.0   | 1.824 | 0.0      | 0.0       | 2.118 | 0.0 |
| 83  | 13347 | 13348 | NS | 1 | 0.0 | 45.452  | 5.714  | 0.0 | 24.277  | 6.865  | 0.0 | 344.751 | 2.157  | 0.0      | 12.993    | 3.041  | 0.0   | 1.404 | 0.0 | 0.0   | 1.764 | 0.0 | 0.0   | 1.824 | 0.0      | 0.0       | 2.118 | 0.0 |
| 84  | 13347 | 13348 | NS | 1 | 0.0 | 53.879  | 10.481 | 0.0 | 32.996  | 14.524 | 0.0 | 156.386 | 10.062 | 0.0      | 76.013    | 12.102 | 0.0   | 1.396 | 0.0 | 0.0   | 1.765 | 0.0 | 0.0   | 1.819 | 0.0      | 0.0       | 2.119 | 0.0 |
| 85  | 13347 | 13348 | NS | 1 | 0.0 | 53.879  | 10.481 | 0.0 | 32.996  | 14.524 | 0.0 | 156.386 | 10.062 | 0.0      | 76.013    | 12.102 | 0.0   | 1.396 | 0.0 | 0.0   | 1.765 | 0.0 | 0.0   | 1.819 | 0.0      | 0.0       | 2.119 | 0.0 |
| 86  | 13347 | 13348 | SN | 1 | 0.0 | 21.735  | 6.295  | 0.0 | 24.613  | 7.678  | 0.0 | 142.386 | 2.712  | 0.0      | 248.834   | 3.536  | 0.0   | 1.425 | 0.0 | 0.0   | 1.786 | 0.0 | 0.0   | 1.843 | 0.0      | 0.0       | 2.142 | 0.0 |
| 87  | 13347 | 13348 | NS | 1 | 0.0 | 45.452  | 5.683  | 0.0 | 24.277  | 6.892  | 0.0 | 344.751 | 2.14   | 0.0      | 48.389    | 3.139  | 0.0   | 1.404 | 0.0 | 0.0   | 1.764 | 0.0 | 0.0   | 1.824 | 0.0      | 0.0       | 2.118 | 0.0 |
| 88  | 13347 | 13348 | NS | 1 | 0.0 | 53.879  | 10.486 | 0.0 | 29.643  | 14.283 | 0.0 | 156.386 | 10.132 | 0.0      | 19.617    | 11.812 | 0.0   | 1.396 | 0.0 | 0.0   | 1.765 | 0.0 | 0.0   | 1.819 | 0.0      | 0.0       | 2.119 | 0.0 |
| 89  | 13348 | 13349 | NS | 1 | 0.0 | 215.124 | 5.761  | 0.0 | 24.834  | 6.847  | 0.0 | 349.202 | 2.214  | 0.0      | 12.993    | 2.998  | 0.0   | 1.404 | 0.0 | 0.0   | 1.764 | 0.0 | 0.0   | 1.826 | 0.0      | 0.0       | 2.12  | 0.0 |
| 90  | 13348 | 13349 | NS | 1 | 0.0 | 203.71  | 10.55  | 0.0 | 29.803  | 14.125 | 0.0 | 217.867 | 10.259 | 0.0      | 15.872    | 11.494 | 0.0   | 1.393 | 0.0 | 0.0   | 1.766 | 0.0 | 0.0   | 1.818 | 0.0      | 0.0       | 2.119 | 0.0 |
| 91  | 13348 | 13349 | SN | 1 | 0.0 | 21.74   | 6.302  | 0.0 | 24.619  | 7.683  | 0.0 | 174.936 | 2.775  | 0.0      | 52.613    | 3.48   | 0.0   | 1.428 | 0.0 | 0.0   | 1.786 | 0.0 | 0.0   | 1.842 | 0.0      | 0.0       | 2.143 | 0.0 |
| 92  | 13348 | 13349 | NS | 1 | 0.0 | 203.71  | 10.488 | 0.0 | 33.013  | 14.54  | 0.0 | 217.867 | 10.122 | 0.0      | 75.627    | 12.083 | 0.0   | 1.393 | 0.0 | 0.0   | 1.766 | 0.0 | 0.0   | 1.818 | 0.0      | 0.0       | 2.119 | 0.0 |
| 93  | 13348 | 13349 | NS | 1 | 0.0 | 157.514 | 5.695  | 0.0 | 24.834  | 6.913  | 0.0 | 349.202 | 2.19   | 0.0      | 50.473    | 3.131  | 0.0   | 1.404 | 0.0 | 0.0   | 1.764 | 0.0 | 0.0   | 1.826 | 0.0      | 0.0       | 2.12  | 0.0 |
| 94  | 13348 | 13349 | SN | 1 | 0.0 | 31.099  | 13.149 | 0.0 | 23.808  | 12.83  | 0.0 | 176.204 | 11.534 | 0.0      | 84.264    | 13.627 | 0.0   | 1.435 | 0.0 | 0.0   | 1.784 | 0.0 | 0.0   | 1.833 | 0.0      | 0.0       | 2.143 | 0.0 |
| 95  | 13349 | 13350 | NS | 1 | 0.0 | 24.558  | 5.868  | 0.0 | 24.26   | 6.801  | 0.0 | 354.97  | 2.343  | 0.0      | 12.999    | 3.031  | 0.0   | 1.406 | 0.0 | 0.0   | 1.765 | 0.0 | 0.0   | 1.824 | 0.0      | 0.0       | 2.12  | 0.0 |
| 96  | 13349 | 13350 | SN | 1 | 0.0 | 13.087  | 1.196  | 0.0 | 13.57   | 15.789 | 0.0 | 9.42    | 0.0    | 100000.0 | -100000.0 | 0.0    | 1.294 | 0.0   | 0.0 | 1.047 | 0.0   | 0.0 | 1.752 | 0.0   | 100000.0 | -100000.0 | 0.0   | 0.0 |
| 97  | 13349 | 13350 | SN | 1 | 0.0 | 17.946  | 6.562  | 0.0 | 19.578  | 41.667 | 0.0 | 11.074  | 1.176  | 100000.0 | -100000.0 | 0.0    | 1.316 | 0.0   | 0.0 | 1.106 | 0.0   | 0.0 | 1.744 | 0.0   | 100000.0 | -100000.0 | 0.0   | 0.0 |
| 98  | 13349 | 13350 | NS | 1 | 0.0 | 22.38   | 10.6   | 0.0 | 29.23   | 13.876 | 0.0 | 354.97  | 10.729 | 0.0      | 14.24     | 11.368 | 0.0   | 1.395 | 0.0 | 0.0   | 1.765 | 0.0 | 0.0   | 1.823 | 0.0      | 0.0       | 2.117 | 0.0 |
| 99  | 13349 | 13350 | NS | 1 | 0.0 | 22.38   | 10.6   | 0.0 | 29.23   | 13.691 | 0.0 | 354.97  | 10.729 | 0.0      | 14.879    | 11.29  | 0.0   | 1.395 | 0.0 | 0.0   | 1.765 | 0.0 | 0.0   | 1.823 | 0.0      | 0.0       | 2.117 | 0.0 |
| 100 | 13349 | 13350 | SN | 1 | 0.0 | 13.087  | 1.196  | 0.0 | 13.57   | 15.789 | 0.0 | 9.42    | 0.0    | 100000.0 | -100000.0 | 0.0    | 1.294 | 0.0   | 0.0 | 1.047 | 0.0   | 0.0 | 1.752 | 0.0   | 100000.0 | -100000.0 | 0.0   | 0.0 |
| 101 | 13349 | 13350 | NS | 1 | 0.0 | 24.558  | 5.868  | 0.0 | 24.26   | 6.658  | 0.0 | 354.97  | 2.343  | 0.0      | 12.999    | 2.947  | 0.0   | 1.406 | 0.0 | 0.0   | 1.765 | 0.0 | 0.0   | 1.824 | 0.0      | 0.0       | 2.12  | 0.0 |
| 102 | 13349 | 13350 | SN | 1 | 0.0 | 17.946  | 6.562  | 0.0 | 19.578  | 41.667 | 0.0 | 11.074  | 1.176  | 100000.0 | -100000.0 | 0.0    | 1.316 | 0.0   | 0.0 | 1.106 | 0.0   | 0.0 | 1.744 | 0.0   | 100000.0 | -100000.0 | 0.0   | 0.0 |
| 103 | 13350 | 13351 | NS | 1 | 0.0 | 201.435 | 5.762  | 0.0 | 24.277  | 6.883  | 0.0 | 135.727 | 2.244  | 0.0      | 52.602    | 3.235  | 0.0   | 1.407 | 0.0 | 0.0   | 1.765 | 0.0 | 0.0   | 1.823 | 0.0      | 0.0       | 2.121 | 0.0 |
| 104 | 13350 | 13351 | SN | 1 | 0.0 | 31.331  | 13.148 | 0.0 | 44.934  | 12.876 | 0.0 | 150.515 | 11.404 | 0.0      | 126.467   | 13.548 | 0.0   | 1.436 | 0.0 | 0.0   | 1.787 | 0.0 | 0.0   | 1.831 | 0.0      | 0.0       | 2.139 | 0.0 |
| 105 | 13350 | 13351 | SN | 1 | 0.0 | 31.331  | 13.148 | 0.0 | 44.934  | 12.876 | 0.0 | 150.515 | 11.404 | 0.0      | 126.467   | 13.548 | 0.0   | 1.436 | 0.0 | 0.0   | 1.787 | 0.0 | 0.0   | 1.831 | 0.0      | 0.0       | 2.139 | 0.0 |

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

|     |       |       |    |   |     |         |        |     |         |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 106 | 13350 | 13351 | NS | 1 | 0.0 | 201.435 | 6.069  | 0.0 | 24.277  | 6.808  | 0.0 | 135.727 | 2.506  | 0.0 | 12.993  | 3.148  | 0.0 | 1.407 | 0.0 | 0.0 | 1.765 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 2.121 | 0.0 |
| 107 | 13350 | 13351 | SN | 1 | 0.0 | 22.556  | 6.533  | 0.0 | 129.363 | 7.784  | 0.0 | 154.812 | 3.094  | 0.0 | 12.911  | 3.49   | 0.0 | 1.424 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.142 | 0.0 |
| 108 | 13350 | 13351 | NS | 1 | 0.0 | 263.86  | 10.366 | 0.0 | 32.263  | 14.456 | 0.0 | 140.437 | 10.185 | 0.0 | 78.429  | 12.306 | 0.0 | 1.397 | 0.0 | 0.0 | 1.767 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 2.115 | 0.0 |
| 109 | 13350 | 13351 | NS | 1 | 0.0 | 201.435 | 5.762  | 0.0 | 24.277  | 6.883  | 0.0 | 135.727 | 2.244  | 0.0 | 52.597  | 3.237  | 0.0 | 1.407 | 0.0 | 0.0 | 1.765 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 2.121 | 0.0 |
| 110 | 13350 | 13351 | NS | 1 | 0.0 | 263.86  | 10.366 | 0.0 | 32.257  | 14.466 | 0.0 | 140.437 | 10.185 | 0.0 | 78.429  | 12.299 | 0.0 | 1.397 | 0.0 | 0.0 | 1.767 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 2.115 | 0.0 |
| 111 | 13350 | 13351 | SN | 1 | 0.0 | 31.331  | 13.278 | 0.0 | 44.934  | 12.378 | 0.0 | 150.515 | 12.316 | 0.0 | 126.467 | 12.766 | 0.0 | 1.436 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.139 | 0.0 |
| 112 | 13350 | 13351 | NS | 1 | 0.0 | 263.86  | 10.473 | 0.0 | 29.224  | 13.655 | 0.0 | 140.437 | 11.055 | 0.0 | 14.14   | 11.206 | 0.0 | 1.397 | 0.0 | 0.0 | 1.767 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 2.115 | 0.0 |
| 113 | 13350 | 13351 | SN | 1 | 0.0 | 22.556  | 6.249  | 0.0 | 129.363 | 7.68   | 0.0 | 154.812 | 2.821  | 0.0 | 56.827  | 3.432  | 0.0 | 1.424 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.142 | 0.0 |
| 114 | 13350 | 13351 | SN | 1 | 0.0 | 22.556  | 6.249  | 0.0 | 129.363 | 7.68   | 0.0 | 154.812 | 2.821  | 0.0 | 56.827  | 3.432  | 0.0 | 1.424 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.142 | 0.0 |
| 115 | 13351 | 13352 | SN | 1 | 0.0 | 31.54   | 13.118 | 0.0 | 170.483 | 12.831 | 0.0 | 143.412 | 11.256 | 0.0 | 74.756  | 13.584 | 0.0 | 1.437 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.83  | 0.0 | 0.0 | 2.143 | 0.0 |
| 116 | 13351 | 13352 | SN | 1 | 0.0 | 23.521  | 6.221  | 0.0 | 24.624  | 7.716  | 0.0 | 117.729 | 2.77   | 0.0 | 94.549  | 3.423  | 0.0 | 1.427 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.142 | 0.0 |
| 117 | 13351 | 13352 | NS | 1 | 0.0 | 148.605 | 10.454 | 0.0 | 32.263  | 14.482 | 0.0 | 131.883 | 10.243 | 0.0 | 77.138  | 12.404 | 0.0 | 1.396 | 0.0 | 0.0 | 1.765 | 0.0 | 0.0 | 1.816 | 0.0 | 0.0 | 2.115 | 0.0 |
| 118 | 13351 | 13352 | SN | 1 | 0.0 | 31.54   | 13.204 | 0.0 | 170.483 | 12.476 | 0.0 | 143.412 | 11.755 | 0.0 | 50.123  | 12.985 | 0.0 | 1.437 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.83  | 0.0 | 0.0 | 2.143 | 0.0 |
| 119 | 13351 | 13352 | NS | 1 | 0.0 | 218.882 | 10.444 | 0.0 | 32.263  | 14.462 | 0.0 | 139.905 | 10.271 | 0.0 | 77.155  | 12.475 | 0.0 | 1.396 | 0.0 | 0.0 | 1.765 | 0.0 | 0.0 | 1.816 | 0.0 | 0.0 | 2.115 | 0.0 |
| 120 | 13351 | 13352 | SN | 1 | 0.0 | 31.54   | 13.118 | 0.0 | 170.483 | 12.831 | 0.0 | 143.412 | 11.256 | 0.0 | 74.756  | 13.584 | 0.0 | 1.437 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.83  | 0.0 | 0.0 | 2.143 | 0.0 |
| 121 | 13351 | 13352 | SN | 1 | 0.0 | 23.521  | 6.393  | 0.0 | 24.624  | 7.805  | 0.0 | 117.729 | 2.924  | 0.0 | 94.549  | 3.358  | 0.0 | 1.427 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.142 | 0.0 |
| 122 | 13351 | 13352 | SN | 1 | 0.0 | 23.521  | 6.221  | 0.0 | 24.624  | 7.716  | 0.0 | 117.729 | 2.77   | 0.0 | 94.549  | 3.423  | 0.0 | 1.427 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.142 | 0.0 |
| 123 | 13351 | 13352 | NS | 1 | 0.0 | 202.707 | 5.721  | 0.0 | 24.277  | 6.874  | 0.0 | 140.58  | 2.259  | 0.0 | 57.373  | 3.24   | 0.0 | 1.408 | 0.0 | 0.0 | 1.765 | 0.0 | 0.0 | 1.825 | 0.0 | 0.0 | 2.121 | 0.0 |
| 124 | 13351 | 13352 | NS | 1 | 0.0 | 202.707 | 5.725  | 0.0 | 24.272  | 6.872  | 0.0 | 127.168 | 2.253  | 0.0 | 57.373  | 3.235  | 0.0 | 1.407 | 0.0 | 0.0 | 1.765 | 0.0 | 0.0 | 1.825 | 0.0 | 0.0 | 2.121 | 0.0 |
| 125 | 13352 | 13353 | SN | 1 | 0.0 | 22.805  | 6.271  | 0.0 | 24.613  | 7.706  | 0.0 | 143.986 | 2.741  | 0.0 | 62.126  | 3.47   | 0.0 | 1.425 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.142 | 0.0 |
| 126 | 13352 | 13353 | NS | 1 | 0.0 | 22.391  | 10.529 | 0.0 | 32.809  | 14.537 | 0.0 | 264.966 | 10.269 | 0.0 | 76.25   | 12.417 | 0.0 | 1.395 | 0.0 | 0.0 | 1.766 | 0.0 | 0.0 | 1.814 | 0.0 | 0.0 | 2.118 | 0.0 |
| 127 | 13352 | 13353 | NS | 1 | 0.0 | 22.391  | 10.529 | 0.0 | 32.809  | 14.537 | 0.0 | 264.966 | 10.269 | 0.0 | 76.25   | 12.417 | 0.0 | 1.395 | 0.0 | 0.0 | 1.766 | 0.0 | 0.0 | 1.814 | 0.0 | 0.0 | 2.118 | 0.0 |
| 128 | 13352 | 13353 | SN | 1 | 0.0 | 22.805  | 6.343  | 0.0 | 24.613  | 7.736  | 0.0 | 143.986 | 2.791  | 0.0 | 12.916  | 3.38   | 0.0 | 1.425 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.142 | 0.0 |
| 129 | 13352 | 13353 | SN | 1 | 0.0 | 22.805  | 6.271  | 0.0 | 24.613  | 7.706  | 0.0 | 143.986 | 2.741  | 0.0 | 62.126  | 3.47   | 0.0 | 1.425 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.142 | 0.0 |
| 130 | 13352 | 13353 | SN | 1 | 0.0 | 31.436  | 13.145 | 0.0 | 23.808  | 12.899 | 0.0 | 140.671 | 11.458 | 0.0 | 72.655  | 13.609 | 0.0 | 1.43  | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.139 | 0.0 |
| 131 | 13352 | 13353 | SN | 1 | 0.0 | 31.436  | 13.145 | 0.0 | 23.808  | 12.899 | 0.0 | 140.671 | 11.458 | 0.0 | 72.655  | 13.609 | 0.0 | 1.43  | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.139 | 0.0 |
| 132 | 13352 | 13353 | NS | 1 | 0.0 | 24.558  | 5.721  | 0.0 | 24.277  | 6.907  | 0.0 | 262.812 | 2.218  | 0.0 | 54.83   | 3.206  | 0.0 | 1.405 | 0.0 | 0.0 | 1.766 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 2.119 | 0.0 |
| 133 | 13352 | 13353 | NS | 1 | 0.0 | 24.558  | 5.721  | 0.0 | 24.277  | 6.907  | 0.0 | 262.812 | 2.218  | 0.0 | 54.83   | 3.206  | 0.0 | 1.405 | 0.0 | 0.0 | 1.766 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 2.119 | 0.0 |
| 134 | 13352 | 13353 | SN | 1 | 0.0 | 31.436  | 13.179 | 0.0 | 23.808  | 12.728 | 0.0 | 140.671 | 11.63  | 0.0 | 17.041  | 13.371 | 0.0 | 1.43  | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.139 | 0.0 |
| 135 | 13353 | 13354 | SN | 1 | 0.0 | 31.303  | 13.126 | 0.0 | 35.58   | 12.652 | 0.0 | 137.925 | 11.536 | 0.0 | 235.256 | 13.358 | 0.0 | 1.433 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.141 | 0.0 |
| 136 | 13353 | 13354 | SN | 1 | 0.0 | 21.74   | 6.325  | 0.0 | 24.624  | 7.705  | 0.0 | 125.477 | 2.783  | 0.0 | 235.237 | 3.391  | 0.0 | 1.426 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.141 | 0.0 |
| 137 | 13353 | 13354 | NS | 1 | 0.0 | 80.869  | 5.726  | 0.0 | 24.266  | 6.922  | 0.0 | 350.586 | 2.189  | 0.0 | 50.457  | 3.151  | 0.0 | 1.406 | 0.0 | 0.0 | 1.764 | 0.0 | 0.0 | 1.825 | 0.0 | 0.0 | 2.12  | 0.0 |
| 138 | 13353 | 13354 | NS | 1 | 0.0 | 270.53  | 10.58  | 0.0 | 32.368  | 14.599 | 0.0 | 260.344 | 10.262 | 0.0 | 73.818  | 12.168 | 0.0 | 1.397 | 0.0 | 0.0 | 1.767 | 0.0 | 0.0 | 1.814 | 0.0 | 0.0 | 2.114 | 0.0 |
| 139 | 13353 | 13354 | SN | 1 | 0.0 | 21.74   | 6.327  | 0.0 | 24.624  | 7.708  | 0.0 | 125.494 | 2.788  | 0.0 | 235.248 | 3.39   | 0.0 | 1.426 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.141 | 0.0 |
| 140 | 13353 | 13354 | NS | 1 | 0.0 | 193.155 | 10.556 | 0.0 | 33.046  | 14.477 | 0.0 | 352.726 | 10.187 | 0.0 | 74.16   | 12.212 | 0.0 | 1.396 | 0.0 | 0.0 | 1.766 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 2.119 | 0.0 |
| 141 | 13353 | 13354 | NS | 1 | 0.0 | 206.132 | 5.722  | 0.0 | 24.283  | 6.909  | 0.0 | 256.009 | 2.197  | 0.0 | 56.678  | 3.142  | 0.0 | 1.406 | 0.0 | 0.0 | 1.764 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 2.118 | 0.0 |
| 142 | 13353 | 13354 | SN | 1 | 0.0 | 31.303  | 13.112 | 0.0 | 35.58   | 12.795 | 0.0 | 137.925 | 11.417 | 0.0 | 235.256 | 13.573 | 0.0 | 1.433 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.141 | 0.0 |

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

|     |       |       |    |   |     |         |        |     |         |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 143 | 13353 | 13354 | SN | 1 | 0.0 | 21.74   | 6.265  | 0.0 | 24.624  | 7.679  | 0.0 | 125.477 | 2.743  | 0.0 | 235.237 | 3.464  | 0.0 | 1.426 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.141 | 0.0 |
| 144 | 13353 | 13354 | SN | 1 | 0.0 | 31.298  | 13.126 | 0.0 | 88.193  | 12.631 | 0.0 | 137.941 | 11.558 | 0.0 | 235.267 | 13.358 | 0.0 | 1.432 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.141 | 0.0 |
| 145 | 13354 | 13355 | SN | 1 | 0.0 | 30.779  | 13.112 | 0.0 | 23.808  | 12.616 | 0.0 | 141.008 | 11.633 | 0.0 | 15.9    | 13.363 | 0.0 | 1.431 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.143 | 0.0 |
| 146 | 13354 | 13355 | SN | 1 | 0.0 | 30.779  | 13.092 | 0.0 | 23.808  | 12.829 | 0.0 | 141.008 | 11.456 | 0.0 | 75.296  | 13.682 | 0.0 | 1.431 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.143 | 0.0 |
| 147 | 13354 | 13355 | NS | 1 | 0.0 | 218.24  | 10.528 | 0.0 | 33.035  | 14.495 | 0.0 | 348.54  | 10.128 | 0.0 | 78.125  | 12.105 | 0.0 | 1.396 | 0.0 | 0.0 | 1.766 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 2.119 | 0.0 |
| 148 | 13354 | 13355 | SN | 1 | 0.0 | 21.856  | 6.31   | 0.0 | 24.624  | 7.728  | 0.0 | 147.626 | 2.798  | 0.0 | 12.916  | 3.403  | 0.0 | 1.43  | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.143 | 0.0 |
| 149 | 13354 | 13355 | SN | 1 | 0.0 | 21.856  | 6.235  | 0.0 | 24.624  | 7.691  | 0.0 | 147.626 | 2.741  | 0.0 | 54.361  | 3.491  | 0.0 | 1.43  | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.143 | 0.0 |
| 150 | 13354 | 13355 | NS | 1 | 0.0 | 258.645 | 5.703  | 0.0 | 24.283  | 6.916  | 0.0 | 351.038 | 2.222  | 0.0 | 48.725  | 3.158  | 0.0 | 1.405 | 0.0 | 0.0 | 1.764 | 0.0 | 0.0 | 1.825 | 0.0 | 0.0 | 2.121 | 0.0 |
| 151 | 13354 | 13355 | NS | 1 | 0.0 | 258.645 | 5.703  | 0.0 | 24.283  | 6.916  | 0.0 | 351.038 | 2.222  | 0.0 | 48.725  | 3.158  | 0.0 | 1.405 | 0.0 | 0.0 | 1.764 | 0.0 | 0.0 | 1.825 | 0.0 | 0.0 | 2.121 | 0.0 |
| 152 | 13354 | 13355 | SN | 1 | 0.0 | 30.779  | 13.092 | 0.0 | 23.808  | 12.829 | 0.0 | 141.008 | 11.456 | 0.0 | 75.291  | 13.682 | 0.0 | 1.431 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.143 | 0.0 |
| 153 | 13354 | 13355 | NS | 1 | 0.0 | 218.24  | 10.528 | 0.0 | 33.035  | 14.495 | 0.0 | 348.54  | 10.128 | 0.0 | 78.125  | 12.105 | 0.0 | 1.396 | 0.0 | 0.0 | 1.766 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 2.119 | 0.0 |
| 154 | 13354 | 13355 | SN | 1 | 0.0 | 21.856  | 6.235  | 0.0 | 24.624  | 7.689  | 0.0 | 147.626 | 2.741  | 0.0 | 54.356  | 3.491  | 0.0 | 1.43  | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.143 | 0.0 |
| 155 | 13355 | 13356 | NS | 1 | 0.0 | 24.558  | 5.71   | 0.0 | 24.283  | 6.971  | 0.0 | 140.089 | 2.243  | 0.0 | 50.854  | 3.236  | 0.0 | 1.407 | 0.0 | 0.0 | 1.764 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 2.12  | 0.0 |
| 156 | 13355 | 13356 | SN | 1 | 0.0 | 21.768  | 6.251  | 0.0 | 24.624  | 7.75   | 0.0 | 139.397 | 2.757  | 0.0 | 56.01   | 3.539  | 0.0 | 1.428 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.143 | 0.0 |
| 157 | 13355 | 13356 | SN | 1 | 0.0 | 31.154  | 13.161 | 0.0 | 279.327 | 12.658 | 0.0 | 157.69  | 11.748 | 0.0 | 14.311  | 13.156 | 0.0 | 1.433 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.142 | 0.0 |
| 158 | 13355 | 13356 | NS | 1 | 0.0 | 22.374  | 10.522 | 0.0 | 32.996  | 14.538 | 0.0 | 130.471 | 10.263 | 0.0 | 78.831  | 12.375 | 0.0 | 1.395 | 0.0 | 0.0 | 1.766 | 0.0 | 0.0 | 1.821 | 0.0 | 0.0 | 2.118 | 0.0 |
| 159 | 13355 | 13356 | SN | 1 | 0.0 | 29.902  | 13.118 | 0.0 | 78.878  | 12.947 | 0.0 | 143.07  | 11.493 | 0.0 | 70.564  | 13.7   | 0.0 | 1.436 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.14  | 0.0 |
| 160 | 13355 | 13356 | NS | 1 | 0.0 | 22.369  | 10.439 | 0.0 | 32.996  | 14.564 | 0.0 | 137.139 | 10.285 | 0.0 | 68.254  | 12.488 | 0.0 | 1.395 | 0.0 | 0.0 | 1.765 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 2.114 | 0.0 |
| 161 | 13355 | 13356 | SN | 1 | 0.0 | 21.768  | 6.377  | 0.0 | 125.728 | 7.762  | 0.0 | 143.07  | 2.848  | 0.0 | 12.916  | 3.421  | 0.0 | 1.42  | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.143 | 0.0 |
| 162 | 13355 | 13356 | NS | 1 | 0.0 | 24.569  | 5.732  | 0.0 | 24.277  | 6.937  | 0.0 | 140.117 | 2.242  | 0.0 | 62.772  | 3.209  | 0.0 | 1.405 | 0.0 | 0.0 | 1.765 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 2.12  | 0.0 |
| 163 | 13356 | 13357 | NS | 1 | 0.0 | 22.363  | 10.493 | 0.0 | 32.985  | 14.518 | 0.0 | 355.494 | 10.352 | 0.0 | 76.829  | 12.419 | 0.0 | 1.395 | 0.0 | 0.0 | 1.765 | 0.0 | 0.0 | 1.82  | 0.0 | 0.0 | 2.113 | 0.0 |
| 164 | 13356 | 13357 | SN | 1 | 0.0 | 21.966  | 6.375  | 0.0 | 24.613  | 7.691  | 0.0 | 133.601 | 2.86   | 0.0 | 211.875 | 3.357  | 0.0 | 1.423 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.142 | 0.0 |
| 165 | 13356 | 13357 | NS | 1 | 0.0 | 24.558  | 5.73   | 0.0 | 24.277  | 6.974  | 0.0 | 349.13  | 2.254  | 0.0 | 51.516  | 3.274  | 0.0 | 1.406 | 0.0 | 0.0 | 1.765 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 2.121 | 0.0 |
| 166 | 13356 | 13357 | SN | 1 | 0.0 | 31.838  | 13.189 | 0.0 | 23.803  | 12.437 | 0.0 | 144.763 | 11.731 | 0.0 | 235.264 | 12.882 | 0.0 | 1.436 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.143 | 0.0 |
| 167 | 13356 | 13357 | NS | 1 | 0.0 | 24.558  | 5.739  | 0.0 | 24.283  | 6.951  | 0.0 | 118.482 | 2.243  | 0.0 | 58.779  | 3.22   | 0.0 | 1.407 | 0.0 | 0.0 | 1.765 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 2.12  | 0.0 |
| 168 | 13356 | 13357 | NS | 1 | 0.0 | 22.363  | 10.482 | 0.0 | 32.726  | 14.569 | 0.0 | 178.457 | 10.332 | 0.0 | 74.475  | 12.607 | 0.0 | 1.395 | 0.0 | 0.0 | 1.767 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 2.116 | 0.0 |
| 169 | 13357 | 13358 | NS | 1 | 0.0 | 24.558  | 5.759  | 0.0 | 24.277  | 6.927  | 0.0 | 124.294 | 2.282  | 0.0 | 54.257  | 3.256  | 0.0 | 1.405 | 0.0 | 0.0 | 1.766 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 2.119 | 0.0 |
| 170 | 13357 | 13358 | SN | 1 | 0.0 | 23.042  | 6.248  | 0.0 | 24.608  | 7.663  | 0.0 | 150.355 | 2.804  | 0.0 | 45.686  | 3.444  | 0.0 | 1.425 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.142 | 0.0 |
| 171 | 13357 | 13358 | SN | 1 | 0.0 | 30.912  | 13.118 | 0.0 | 23.803  | 12.783 | 0.0 | 147.361 | 11.305 | 0.0 | 69.991  | 13.554 | 0.0 | 1.433 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.141 | 0.0 |
| 172 | 13357 | 13358 | NS | 1 | 0.0 | 22.38   | 10.531 | 0.0 | 32.765  | 14.571 | 0.0 | 184.411 | 10.388 | 0.0 | 75.098  | 12.643 | 0.0 | 1.396 | 0.0 | 0.0 | 1.766 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 2.117 | 0.0 |
| 173 | 13358 | 13359 | NS | 1 | 0.0 | 270.922 | 10.572 | 0.0 | 32.82   | 14.582 | 0.0 | 217.663 | 10.402 | 0.0 | 75.258  | 12.914 | 0.0 | 1.395 | 0.0 | 0.0 | 1.767 | 0.0 | 0.0 | 1.814 | 0.0 | 0.0 | 2.116 | 0.0 |
| 174 | 13358 | 13359 | SN | 1 | 0.0 | 22.738  | 6.242  | 0.0 | 60.166  | 7.667  | 0.0 | 129.58  | 2.831  | 0.0 | 220.603 | 3.4    | 0.0 | 1.426 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.144 | 0.0 |
| 175 | 13358 | 13359 | NS | 1 | 0.0 | 220.52  | 5.754  | 0.0 | 24.255  | 6.911  | 0.0 | 268.062 | 2.291  | 0.0 | 56.656  | 3.338  | 0.0 | 1.406 | 0.0 | 0.0 | 1.766 | 0.0 | 0.0 | 1.826 | 0.0 | 0.0 | 2.119 | 0.0 |
| 176 | 13358 | 13359 | SN | 1 | 0.0 | 31.022  | 13.07  | 0.0 | 55.186  | 12.81  | 0.0 | 136.535 | 10.926 | 0.0 | 82.948  | 13.441 | 0.0 | 1.434 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.142 | 0.0 |
| 177 | 13359 | 13360 | SN | 1 | 0.0 | 31.165  | 12.876 | 0.0 | 180.04  | 12.851 | 0.0 | 143.373 | 10.802 | 0.0 | 92.357  | 13.501 | 0.0 | 1.441 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.83  | 0.0 | 0.0 | 2.14  | 0.0 |
| 178 | 13359 | 13360 | NS | 1 | 0.0 | 24.564  | 5.768  | 0.0 | 24.249  | 6.926  | 0.0 | 350.878 | 2.281  | 0.0 | 59.468  | 3.379  | 0.0 | 1.406 | 0.0 | 0.0 | 1.766 | 0.0 | 0.0 | 1.827 | 0.0 | 0.0 | 2.121 | 0.0 |
| 179 | 13359 | 13360 | SN | 1 | 0.0 | 22.827  | 6.225  | 0.0 | 121.443 | 7.699  | 0.0 | 146.776 | 2.859  | 0.0 | 53.672  | 3.358  | 0.0 | 1.431 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.843 | 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 |

|     |       |       |    |   |     |         |        |     |         |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 180 | 13359 | 13360 | SN | 1 | 0.0 | 22.827  | 6.225  | 0.0 | 121.443 | 7.699  | 0.0 | 146.776 | 2.859  | 0.0 | 53.672  | 3.361  | 0.0 | 1.431 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.141 | 0.0 |
| 181 | 13359 | 13360 | NS | 1 | 0.0 | 70.749  | 10.51  | 0.0 | 33.018  | 14.618 | 0.0 | 348.33  | 10.381 | 0.0 | 79.973  | 13.003 | 0.0 | 1.397 | 0.0 | 0.0 | 1.768 | 0.0 | 0.0 | 1.818 | 0.0 | 0.0 | 2.121 | 0.0 |
| 182 | 13359 | 13360 | SN | 1 | 0.0 | 31.165  | 12.876 | 0.0 | 180.04  | 12.851 | 0.0 | 143.373 | 10.802 | 0.0 | 92.357  | 13.501 | 0.0 | 1.441 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.83  | 0.0 | 0.0 | 2.14  | 0.0 |
| 183 | 13360 | 13361 | NS | 1 | 0.0 | 24.547  | 5.721  | 0.0 | 24.266  | 6.903  | 0.0 | 134.756 | 2.255  | 0.0 | 45.841  | 3.314  | 0.0 | 1.407 | 0.0 | 0.0 | 1.766 | 0.0 | 0.0 | 1.827 | 0.0 | 0.0 | 2.121 | 0.0 |
| 184 | 13360 | 13361 | SN | 1 | 0.0 | 22.816  | 6.2    | 0.0 | 24.602  | 7.634  | 0.0 | 141.024 | 2.831  | 0.0 | 86.803  | 3.352  | 0.0 | 1.426 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.141 | 0.0 |
| 185 | 13360 | 13361 | SN | 1 | 0.0 | 31.182  | 12.809 | 0.0 | 23.814  | 12.763 | 0.0 | 158.435 | 10.692 | 0.0 | 77.682  | 13.261 | 0.0 | 1.441 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.14  | 0.0 |
| 186 | 13360 | 13361 | SN | 1 | 0.0 | 31.182  | 12.809 | 0.0 | 23.814  | 12.763 | 0.0 | 158.435 | 10.692 | 0.0 | 77.682  | 13.26  | 0.0 | 1.441 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.14  | 0.0 |
| 187 | 13360 | 13361 | NS | 1 | 0.0 | 22.369  | 10.406 | 0.0 | 32.698  | 14.502 | 0.0 | 355.207 | 10.362 | 0.0 | 68.055  | 12.813 | 0.0 | 1.394 | 0.0 | 0.0 | 1.767 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 2.121 | 0.0 |
| 188 | 13360 | 13361 | NS | 1 | 0.0 | 198.951 | 10.406 | 0.0 | 32.698  | 14.522 | 0.0 | 355.207 | 10.355 | 0.0 | 68.083  | 12.806 | 0.0 | 1.394 | 0.0 | 0.0 | 1.767 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 2.121 | 0.0 |
| 189 | 13360 | 13361 | SN | 1 | 0.0 | 22.816  | 6.2    | 0.0 | 24.602  | 7.634  | 0.0 | 141.024 | 2.831  | 0.0 | 86.803  | 3.352  | 0.0 | 1.426 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.141 | 0.0 |
| 190 | 13360 | 13361 | NS | 1 | 0.0 | 167.251 | 5.726  | 0.0 | 24.266  | 6.896  | 0.0 | 134.756 | 2.254  | 0.0 | 45.857  | 3.322  | 0.0 | 1.407 | 0.0 | 0.0 | 1.766 | 0.0 | 0.0 | 1.827 | 0.0 | 0.0 | 2.121 | 0.0 |
| 191 | 13361 | 13362 | SN | 1 | 0.0 | 23.268  | 6.178  | 0.0 | 24.806  | 7.629  | 0.0 | 137.395 | 2.722  | 0.0 | 189.746 | 3.278  | 0.0 | 1.429 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.14  | 0.0 |
| 192 | 13361 | 13362 | NS | 1 | 0.0 | 92.914  | 10.469 | 0.0 | 32.991  | 14.523 | 0.0 | 255.728 | 10.406 | 0.0 | 75.903  | 12.985 | 0.0 | 1.396 | 0.0 | 0.0 | 1.768 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 2.116 | 0.0 |
| 193 | 13361 | 13362 | SN | 1 | 0.0 | 31.336  | 12.898 | 0.0 | 83.346  | 12.748 | 0.0 | 152.561 | 10.566 | 0.0 | 71.248  | 13.307 | 0.0 | 1.435 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.85  | 0.0 | 0.0 | 2.142 | 0.0 |
| 194 | 13361 | 13362 | NS | 1 | 0.0 | 263.849 | 5.752  | 0.0 | 24.26   | 6.938  | 0.0 | 209.485 | 2.297  | 0.0 | 52.938  | 3.399  | 0.0 | 1.407 | 0.0 | 0.0 | 1.766 | 0.0 | 0.0 | 1.827 | 0.0 | 0.0 | 2.121 | 0.0 |
| 195 | 13362 | 13363 | SN | 1 | 0.0 | 26.88   | 12.719 | 0.0 | 131.078 | 12.827 | 0.0 | 23.593  | 10.627 | 0.0 | 72.649  | 13.816 | 0.0 | 1.436 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.138 | 0.0 |
| 196 | 13362 | 13363 | NS | 1 | 0.0 | 24.553  | 5.672  | 0.0 | 24.238  | 6.935  | 0.0 | 243.463 | 2.287  | 0.0 | 53.589  | 3.457  | 0.0 | 1.407 | 0.0 | 0.0 | 1.767 | 0.0 | 0.0 | 1.827 | 0.0 | 0.0 | 2.121 | 0.0 |
| 197 | 13362 | 13363 | SN | 1 | 0.0 | 22.81   | 6.069  | 0.0 | 199.196 | 7.718  | 0.0 | 11.83   | 2.749  | 0.0 | 58.415  | 3.514  | 0.0 | 1.429 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.139 | 0.0 |
| 198 | 13362 | 13363 | NS | 1 | 0.0 | 22.468  | 10.259 | 0.0 | 32.765  | 14.515 | 0.0 | 264.728 | 10.289 | 0.0 | 71.028  | 13.112 | 0.0 | 1.396 | 0.0 | 0.0 | 1.769 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 2.119 | 0.0 |
| 199 | 13363 | 13364 | SN | 1 | 0.0 | 22.816  | 6.233  | 0.0 | 24.597  | 7.704  | 0.0 | 150.51  | 2.855  | 0.0 | 64.873  | 3.346  | 0.0 | 1.429 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.14  | 0.0 |
| 200 | 13363 | 13364 | NS | 1 | 0.0 | 201.165 | 10.104 | 0.0 | 29.665  | 14.349 | 0.0 | 187.094 | 10.277 | 0.0 | 20.19   | 13.172 | 0.0 | 1.395 | 0.0 | 0.0 | 1.769 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 2.124 | 0.0 |
| 201 | 13363 | 13364 | NS | 1 | 0.0 | 201.165 | 10.124 | 0.0 | 32.368  | 14.508 | 0.0 | 187.094 | 10.224 | 0.0 | 72.395  | 13.724 | 0.0 | 1.395 | 0.0 | 0.0 | 1.769 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 2.124 | 0.0 |
| 202 | 13363 | 13364 | SN | 1 | 0.0 | 31.072  | 12.923 | 0.0 | 23.803  | 12.722 | 0.0 | 166.184 | 10.62  | 0.0 | 92.525  | 13.396 | 0.0 | 1.432 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.141 | 0.0 |
| 203 | 13363 | 13364 | NS | 1 | 0.0 | 265.826 | 5.721  | 0.0 | 24.249  | 6.995  | 0.0 | 263.283 | 2.19   | 0.0 | 13.219  | 3.521  | 0.0 | 1.409 | 0.0 | 0.0 | 1.767 | 0.0 | 0.0 | 1.827 | 0.0 | 0.0 | 2.122 | 0.0 |
| 204 | 13363 | 13364 | NS | 1 | 0.0 | 280.259 | 5.699  | 0.0 | 24.249  | 7.009  | 0.0 | 263.283 | 2.181  | 0.0 | 49.177  | 3.711  | 0.0 | 1.409 | 0.0 | 0.0 | 1.767 | 0.0 | 0.0 | 1.827 | 0.0 | 0.0 | 2.122 | 0.0 |
| 205 | 13364 | 13365 | NS | 1 | 0.0 | 257.178 | 10.485 | 0.0 | 33.002  | 14.368 | 0.0 | 352.842 | 10.383 | 0.0 | 72.919  | 13.107 | 0.0 | 1.398 | 0.0 | 0.0 | 1.77  | 0.0 | 0.0 | 1.819 | 0.0 | 0.0 | 2.123 | 0.0 |
| 206 | 13364 | 13365 | NS | 1 | 0.0 | 237.084 | 5.8    | 0.0 | 24.249  | 6.909  | 0.0 | 351.7   | 2.329  | 0.0 | 50.892  | 3.455  | 0.0 | 1.409 | 0.0 | 0.0 | 1.767 | 0.0 | 0.0 | 1.827 | 0.0 | 0.0 | 2.123 | 0.0 |
| 207 | 13364 | 13365 | SN | 1 | 0.0 | 31.121  | 12.845 | 0.0 | 23.814  | 12.773 | 0.0 | 154.872 | 10.399 | 0.0 | 66.538  | 13.422 | 0.0 | 1.443 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.83  | 0.0 | 0.0 | 2.138 | 0.0 |
| 208 | 13364 | 13365 | SN | 1 | 0.0 | 22.827  | 6.167  | 0.0 | 24.602  | 7.648  | 0.0 | 151.828 | 2.783  | 0.0 | 45.995  | 3.302  | 0.0 | 1.428 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.84  | 0.0 | 0.0 | 2.14  | 0.0 |
| 209 | 13365 | 13366 | NS | 1 | 0.0 | 158.896 | 5.793  | 0.0 | 24.255  | 7.005  | 0.0 | 231.528 | 2.357  | 0.0 | 61.068  | 3.541  | 0.0 | 1.41  | 0.0 | 0.0 | 1.768 | 0.0 | 0.0 | 1.826 | 0.0 | 0.0 | 2.123 | 0.0 |
| 210 | 13365 | 13366 | NS | 1 | 0.0 | 70.7    | 10.49  | 0.0 | 32.996  | 14.386 | 0.0 | 348.578 | 10.432 | 0.0 | 74.21   | 13.359 | 0.0 | 1.396 | 0.0 | 0.0 | 1.77  | 0.0 | 0.0 | 1.818 | 0.0 | 0.0 | 2.121 | 0.0 |
| 211 | 13365 | 13366 | SN | 1 | 0.0 | 22.827  | 6.199  | 0.0 | 24.619  | 7.695  | 0.0 | 136.607 | 2.853  | 0.0 | 266.819 | 3.283  | 0.0 | 1.431 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.14  | 0.0 |
| 212 | 13365 | 13366 | SN | 1 | 0.0 | 31.204  | 12.805 | 0.0 | 23.814  | 12.821 | 0.0 | 157.878 | 10.447 | 0.0 | 194.853 | 13.452 | 0.0 | 1.442 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.138 | 0.0 |

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