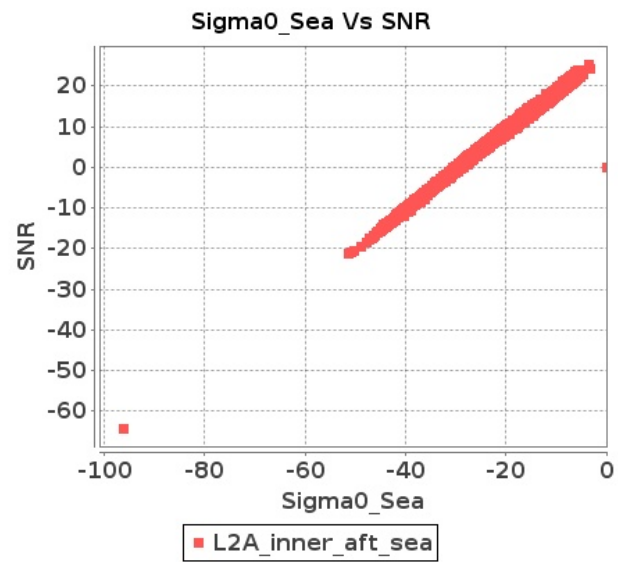


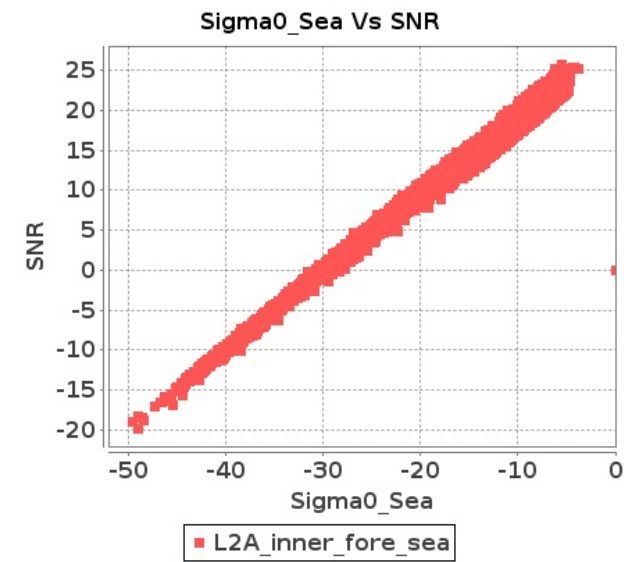
SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 14-OCT-2019 To 15-OCT-2019

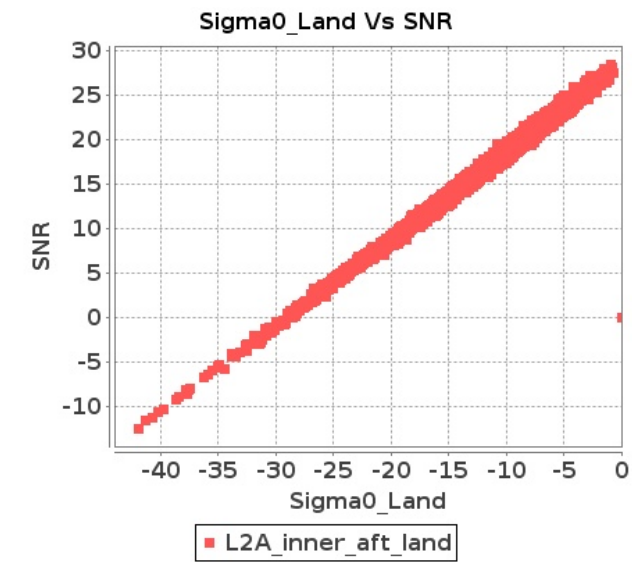
Inner Sea Aft Sigma0VsSNR



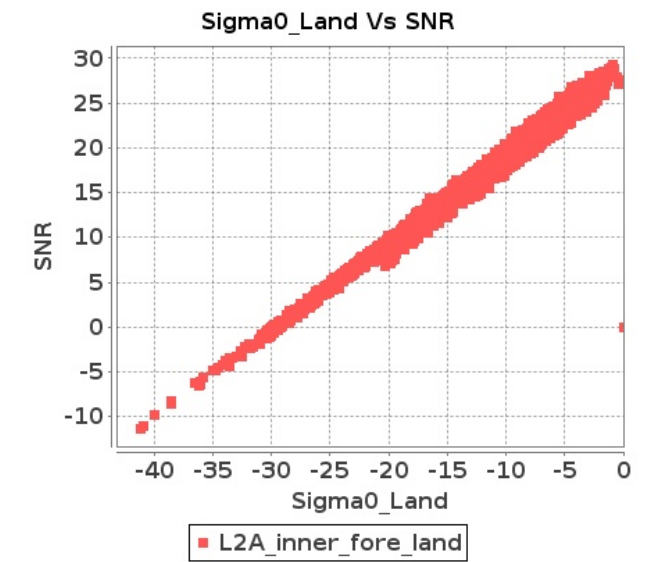
Inner Sea Fore Sigma0VsSNR



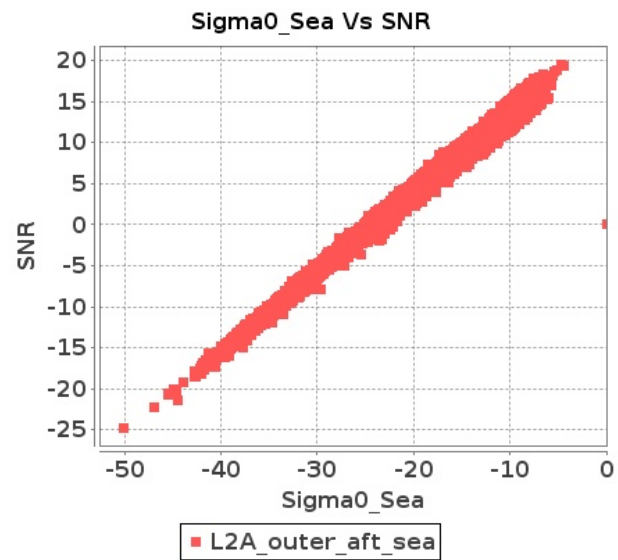
Inner Land Aft Sigma0VsSNR



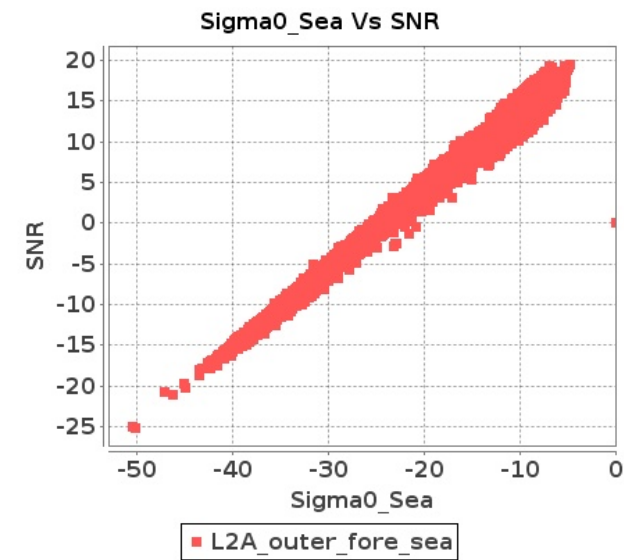
Inner Land Fore Sigma0VsSNR



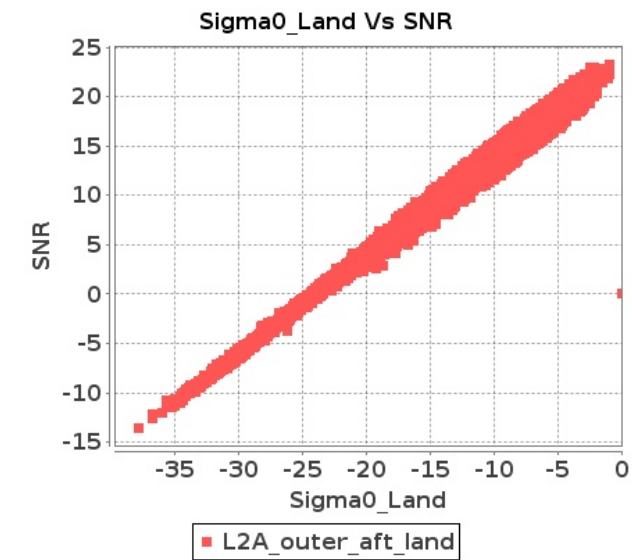
Outer Sea Aft Sigma0VsSNR



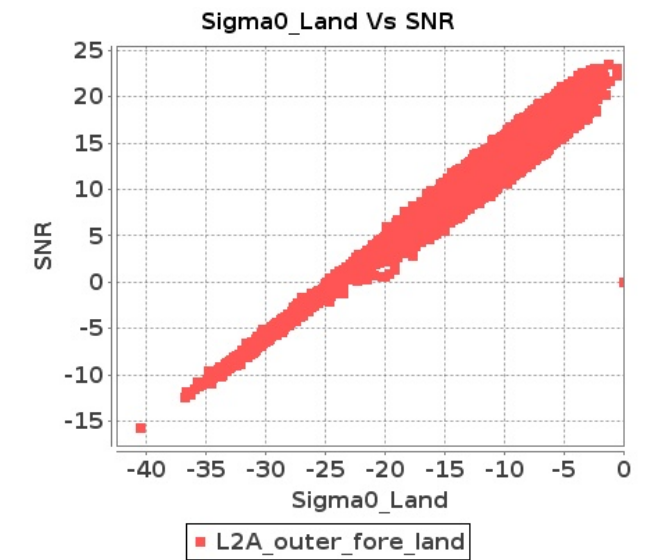
Outer Sea Fore Sigma0VsSNR



Outer Land Aft Sigma0VsSNR



Outer Land Fore Sigma0VsSNR



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

Report between 14-OCT-2019 To 15-OCT-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 | 16135 | 16136 | SN | 1 | 0.0 | 43.669 | 0.872 | 0.0 | 45.796 | 1.24 | 0.0 | 44.088 | 0.931 | 0.0 | 41.873 | 1.25 | 0.0 | 43.647 | 0.859 | 0.0 | 45.325 | 1.147 | 0.0 | 40.55 | 0.878 | 0.0 | 38.01 | 1.053 |
| 2 | 16135 | 16136 | SN | 1 | 0.0 | 47.849 | 2.997 | 0.0 | 51.367 | 4.121 | 0.0 | 42.906 | 3.199 | 0.0 | 44.821 | 4.246 | 0.0 | 48.551 | 3.038 | 0.0 | 51.092 | 3.816 | 0.0 | 44.48 | 3.078 | 0.0 | 45.55 | 3.777 |
| 3 | 16135 | 16136 | SN | 1 | 0.0 | 43.817 | 0.866 | 0.0 | 45.797 | 1.244 | 0.0 | 44.088 | 0.931 | 0.0 | 42.331 | 1.268 | 0.0 | 43.796 | 0.857 | 0.0 | 45.325 | 1.143 | 0.0 | 40.55 | 0.887 | 0.0 | 38.468 | 1.066 |
| 4 | 16135 | 16136 | SN | 1 | 0.0 | 43.817 | 0.908 | 0.0 | 45.797 | 1.311 | 0.0 | 44.088 | 0.965 | 0.0 | 42.812 | 1.318 | 0.0 | 43.796 | 0.901 | 0.0 | 45.325 | 1.2 | 0.0 | 40.55 | 0.914 | 0.0 | 40.109 | 1.124 |
| 5 | 16135 | 16136 | SN | 1 | 0.0 | 47.753 | 3.141 | 0.0 | 51.572 | 4.34 | 0.0 | 45.587 | 3.336 | 0.0 | 44.728 | 4.441 | 0.0 | 48.454 | 3.248 | 0.0 | 51.297 | 3.988 | 0.0 | 44.306 | 3.202 | 0.0 | 45.459 | 3.985 |
| 6 | 16135 | 16136 | SN | 1 | 0.0 | 47.753 | 3.007 | 0.0 | 51.572 | 4.131 | 0.0 | 41.865 | 3.163 | 0.0 | 44.728 | 4.268 | 0.0 | 48.454 | 3.098 | 0.0 | 51.297 | 3.816 | 0.0 | 44.345 | 3.064 | 0.0 | 45.459 | 3.82 |
| 7 | 16136 | 16137 | SN | 1 | 0.0 | 47.293 | 3.969 | 0.0 | 45.516 | 4.906 | 0.0 | 43.355 | 4.58 | 0.0 | 51.886 | 5.172 | 0.0 | 47.082 | 4.01 | 0.0 | 47.448 | 4.844 | 0.0 | 42.655 | 4.451 | 0.0 | 48.153 | 4.926 |
| 8 | 16136 | 16137 | SN | 1 | 0.0 | 47.293 | 3.96 | 0.0 | 45.516 | 4.943 | 0.0 | 43.355 | 4.526 | 0.0 | 51.886 | 5.156 | 0.0 | 47.082 | 3.981 | 0.0 | 47.448 | 4.861 | 0.0 | 42.655 | 4.399 | 0.0 | 48.153 | 4.957 |
| 9 | 16136 | 16137 | NS | 1 | 0.0 | 49.738 | 4.854 | 0.0 | 46.167 | 5.988 | 0.0 | 48.65 | 4.182 | 0.0 | 48.268 | 5.336 | 0.0 | 50.823 | 4.955 | 0.0 | 46.919 | 5.846 | 0.0 | 48.537 | 4.061 | 0.0 | 46.875 | 4.845 |
| 10 | 16136 | 16137 | NS | 1 | 0.0 | 41.276 | 1.331 | 0.0 | 52.378 | 1.751 | 0.0 | 45.149 | 1.085 | 0.0 | 49.427 | 1.749 | 0.0 | 41.063 | 1.347 | 0.0 | 51.8 | 1.706 | 0.0 | 45.788 | 1.042 | 0.0 | 48.666 | 1.6 |
| 11 | 16136 | 16137 | SN | 1 | 0.0 | 45.38 | 1.134 | 0.0 | 41.014 | 1.621 | 0.0 | 39.388 | 1.344 | 0.0 | 49.541 | 1.623 | 0.0 | 47.149 | 1.127 | 0.0 | 41.285 | 1.538 | 0.0 | 36.407 | 1.317 | 0.0 | 44.438 | 1.571 |
| 12 | 16136 | 16137 | NS | 1 | 0.0 | 49.738 | 4.854 | 0.0 | 46.167 | 5.988 | 0.0 | 48.65 | 4.189 | 0.0 | 48.268 | 5.329 | 0.0 | 50.823 | 4.955 | 0.0 | 46.919 | 5.846 | 0.0 | 48.537 | 4.068 | 0.0 | 46.875 | 4.845 |
| 13 | 16136 | 16137 | SN | 1 | 0.0 | 45.38 | 1.132 | 0.0 | 41.014 | 1.621 | 0.0 | 39.388 | 1.346 | 0.0 | 49.541 | 1.623 | 0.0 | 47.149 | 1.125 | 0.0 | 41.285 | 1.538 | 0.0 | 36.407 | 1.319 | 0.0 | 44.438 | 1.571 |
| 14 | 16136 | 16137 | SN | 1 | 0.0 | 45.38 | 1.14 | 0.0 | 41.014 | 1.626 | 0.0 | 39.388 | 1.353 | 0.0 | 49.541 | 1.608 | 0.0 | 47.149 | 1.13 | 0.0 | 41.285 | 1.541 | 0.0 | 36.407 | 1.326 | 0.0 | 44.438 | 1.558 |
| 15 | 16136 | 16137 | SN | 1 | 0.0 | 47.293 | 3.96 | 0.0 | 45.516 | 4.943 | 0.0 | 43.355 | 4.534 | 0.0 | 51.886 | 5.156 | 0.0 | 47.082 | 3.981 | 0.0 | 47.448 | 4.861 | 0.0 | 42.655 | 4.406 | 0.0 | 48.153 | 4.957 |
| 16 | 16136 | 16137 | NS | 1 | 0.0 | 41.276 | 1.331 | 0.0 | 52.378 | 1.751 | 0.0 | 45.149 | 1.087 | 0.0 | 49.427 | 1.752 | 0.0 | 41.317 | 1.345 | 0.0 | 51.8 | 1.703 | 0.0 | 45.788 | 1.044 | 0.0 | 48.666 | 1.6 |
| 17 | 16137 | 16138 | SN | 1 | 0.0 | 41.531 | 2.913 | 0.0 | 46.162 | 3.548 | 0.0 | 35.847 | 2.78 | 0.0 | 43.672 | 4.302 | 0.0 | 42.439 | 2.913 | 0.0 | 47.737 | 3.301 | 0.0 | 36.046 | 2.558 | 0.0 | 43.482 | 3.92 |
| 18 | 16137 | 16138 | NS | 1 | 0.0 | 47.892 | 1.492 | 0.0 | 50.143 | 2.459 | 0.0 | 42.064 | 1.56 | 0.0 | 43.641 | 2.092 | 0.0 | 50.875 | 1.487 | 0.0 | 49.619 | 2.369 | 0.0 | 42.356 | 1.528 | 0.0 | 45.691 | 2.021 |
| 19 | 16137 | 16138 | SN | 1 | 0.0 | 41.531 | 3.048 | 0.0 | 46.589 | 3.676 | 0.0 | 35.847 | 2.823 | 0.0 | 43.672 | 4.325 | 0.0 | 42.439 | 3.068 | 0.0 | 47.737 | 3.452 | 0.0 | 36.046 | 2.603 | 0.0 | 43.482 | 3.941 |
| 20 | 16137 | 16138 | SN | 1 | 0.0 | 40.479 | 0.829 | 0.0 | 43.021 | 1.26 | 0.0 | 34.968 | 0.945 | 0.0 | 38.639 | 1.602 | 0.0 | 38.847 | 0.834 | 0.0 | 44.209 | 1.123 | 0.0 | 38.741 | 0.855 | 0.0 | 38.971 | 1.359 |
| 21 | 16137 | 16138 | NS | 1 | 0.0 | 56.45 | 6.295 | 0.0 | 56.401 | 8.311 | 0.0 | 46.77 | 5.128 | 0.0 | 49.459 | 6.563 | 0.0 | 57.102 | 6.336 | 0.0 | 60.071 | 8.332 | 0.0 | 44.662 | 5.121 | 0.0 | 48.443 | 6.606 |
| 22 | 16137 | 16138 | NS | 1 | 0.0 | 56.091 | 6.336 | 0.0 | 56.365 | 8.271 | 0.0 | 43.455 | 5.135 | 0.0 | 43.171 | 6.592 | 0.0 | 56.745 | 6.447 | 0.0 | 60.036 | 8.271 | 0.0 | 42.105 | 5.206 | 0.0 | 42.901 | 6.613 |
| 23 | 16137 | 16138 | SN | 1 | 0.0 | 40.479 | 0.808 | 0.0 | 43.021 | 1.249 | 0.0 | 34.968 | 0.925 | 0.0 | 38.639 | 1.579 | 0.0 | 38.847 | 0.808 | 0.0 | 44.209 | 1.107 | 0.0 | 38.741 | 0.835 | 0.0 | 38.971 | 1.324 |
| 24 | 16137 | 16138 | SN | 1 | 0.0 | 40.479 | 0.808 | 0.0 | 43.021 | 1.249 | 0.0 | 34.968 | 0.925 | 0.0 | 38.639 | 1.579 | 0.0 | 38.847 | 0.808 | 0.0 | 44.209 | 1.107 | 0.0 | 38.741 | 0.835 | 0.0 | 38.971 | 1.324 |
| 25 | 16137 | 16138 | NS | 1 | 0.0 | 48.041 | 1.519 | 0.0 | 50.171 | 2.464 | 0.0 | 40.971 | 1.535 | 0.0 | 44.12 | 2.156 | 0.0 | 51.022 | 1.51 | 0.0 | 49.647 | 2.38 | 0.0 | 42.068 | 1.521 | 0.0 | 46.171 | 2.085 |
| 26 | 16137 | 16138 | SN | 1 | 0.0 | 41.531 | 2.913 | 0.0 | 46.162 | 3.548 | 0.0 | 35.847 | 2.78 | 0.0 | 43.672 | 4.302 | 0.0 | 42.439 | 2.913 | 0.0 | 47.737 | 3.301 | 0.0 | 36.046 | 2.558 | 0.0 | 43.482 | 3.92 |
| 27 | 16138 | 16139 | NS | 1 | 0.0 | 44.685 | 1.819 | 0.0 | 51.62 | 2.629 | 0.0 | 41.591 | 1.519 | 0.0 | 44.914 | 2.433 | 0.0 | 44.613 | 1.81 | 0.0 | 50.677 | 2.572 | 0.0 | 40.078 | 1.576 | 0.0 | 46.852 | 2.266 |
| 28 | 16138 | 16139 | SN | 1 | 0.0 | 48.379 | 2.573 | 0.0 | 46.965 | 3.503 | 0.0 | 37.411 | 2.654 | 0.0 | 42.382 | 3.756 | 0.0 | 47.417 | 2.543 | 0.0 | 48.1 | 3.3 | 0.0 | 35.483 | 2.576 | 0.0 | 39.584 | 3.173 |
| 29 | 16138 | 16139 | SN | 1 | 0.0 | 41.051 | 0.627 | 0.0 | 42.052 | 0.921 | 0.0 | 37.225 | 0.949 | 0.0 | 38.711 | 1.426 | 0.0 | 42.374 | 0.609 | 0.0 | 40.809 | 0.811 | 0.0 | 35.79 | 0.868 | 0.0 | 36.001 | 1.098 |
| 30 | 16138 | 16139 | SN | 1 | 0.0 | 41.05 | 0.627 | 0.0 | 42.052 | 0.921 | 0.0 | 37.225 | 0.942 | 0.0 | 38.711 | 1.426 | 0.0 | 42.374 | 0.609 | 0.0 | 40.809 | 0.811 | 0.0 | 35.79 | 0.862 | 0.0 | 36.001 | 1.098 |
| 31 | 16138 | 16139 | NS | 1 | 0.0 | 47.204 | 1.801 | 0.0 | 52.182 | 2.638 | 0.0 | 43.554 | 1.539 | 0.0 | 44.914 | 2.385 | 0.0 | 45.886 | 1.781 | 0.0 | 51.239 | 2.595 | 0.0 | 44.181 | 1.578 | 0.0 | 46.852 | 2.236 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|
| 32 | 16138 | 16139 | SN | 1 | 0.0 | 49.674 | 2.331 | 0.0 | 44.226 | 3.484 | 0.0 | 37.411 | 2.552 | 0.0 | 38.974 | 3.745 | 0.0 | 48.712 | 2.269 | 0.0 | 46.155 | 3.256 | 0.0 | 35.483 | 2.523 | 0.0 | 35.062 | 3.216 |
| 33 | 16138 | 16139 | SN | 1 | 0.0 | 48.379 | 2.573 | 0.0 | 46.965 | 3.503 | 0.0 | 37.411 | 2.654 | 0.0 | 42.382 | 3.756 | 0.0 | 47.417 | 2.543 | 0.0 | 48.1 | 3.3 | 0.0 | 35.483 | 2.583 | 0.0 | 39.584 | 3.173 |
| 34 | 16138 | 16139 | NS | 1 | 0.0 | 50.31 | 6.051 | 0.0 | 48.953 | 8.565 | 0.0 | 44.219 | 5.59 | 0.0 | 51.801 | 7.326 | 0.0 | 51.842 | 6.001 | 0.0 | 49.377 | 8.249 | 0.0 | 44.681 | 5.931 | 0.0 | 53.216 | 7.048 |
| 35 | 16138 | 16139 | SN | 1 | 0.0 | 36.897 | 0.629 | 0.0 | 46.554 | 0.943 | 0.0 | 37.225 | 0.907 | 0.0 | 38.711 | 1.429 | 0.0 | 35.858 | 0.606 | 0.0 | 43.626 | 0.842 | 0.0 | 35.79 | 0.826 | 0.0 | 36.753 | 1.103 |
| 36 | 16138 | 16139 | NS | 1 | 0.0 | 46.846 | 5.96 | 0.0 | 47.87 | 8.585 | 0.0 | 46.982 | 5.59 | 0.0 | 51.614 | 7.347 | 0.0 | 47.058 | 5.889 | 0.0 | 48.621 | 8.3 | 0.0 | 47.43 | 5.946 | 0.0 | 49.386 | 6.976 |
| 37 | 16139 | 16140 | SN | 1 | 0.0 | 37.747 | 3.666 | 0.0 | 38.725 | 4.774 | 0.0 | 39.238 | 3.845 | 0.0 | 40.668 | 5.244 | 0.0 | 37.169 | 3.737 | 0.0 | 39.693 | 4.337 | 0.0 | 37.297 | 3.724 | 0.0 | 41.829 | 4.647 |
| 38 | 16139 | 16140 | SN | 1 | 0.0 | 42.061 | 3.452 | 0.0 | 44.148 | 4.838 | 0.0 | 38.87 | 3.604 | 0.0 | 39.062 | 5.279 | 0.0 | 41.618 | 3.536 | 0.0 | 43.328 | 4.336 | 0.0 | 37.083 | 3.414 | 0.0 | 41.79 | 4.694 |
| 39 | 16139 | 16140 | NS | 1 | 0.0 | 51.874 | 3.838 | 0.0 | 54.798 | 4.697 | 0.0 | 43.517 | 2.959 | 0.0 | 47.83 | 3.619 | 0.0 | 53.307 | 3.838 | 0.0 | 54.667 | 4.636 | 0.0 | 43.456 | 2.774 | 0.0 | 46.747 | 3.256 |
| 40 | 16139 | 16140 | NS | 1 | 0.0 | 51.874 | 3.859 | 0.0 | 54.744 | 4.697 | 0.0 | 43.517 | 2.959 | 0.0 | 47.83 | 3.634 | 0.0 | 53.307 | 3.859 | 0.0 | 54.612 | 4.636 | 0.0 | 43.456 | 2.767 | 0.0 | 46.747 | 3.27 |
| 41 | 16139 | 16140 | SN | 1 | 0.0 | 39.786 | 3.605 | 0.0 | 45.983 | 4.733 | 0.0 | 38.353 | 3.746 | 0.0 | 39.572 | 5.209 | 0.0 | 39.382 | 3.676 | 0.0 | 45.165 | 4.286 | 0.0 | 36.567 | 3.632 | 0.0 | 41.79 | 4.611 |
| 42 | 16139 | 16140 | SN | 1 | 0.0 | 39.62 | 1.022 | 0.0 | 44.023 | 1.457 | 0.0 | 38.082 | 1.258 | 0.0 | 36.566 | 1.947 | 0.0 | 40.332 | 1.024 | 0.0 | 46.451 | 1.322 | 0.0 | 38.428 | 1.196 | 0.0 | 35.869 | 1.684 |
| 43 | 16139 | 16140 | NS | 1 | 0.0 | 47.374 | 0.931 | 0.0 | 55.887 | 1.344 | 0.0 | 41.883 | 0.706 | 0.0 | 43.825 | 0.86 | 0.0 | 47.917 | 0.933 | 0.0 | 53.392 | 1.283 | 0.0 | 43.061 | 0.648 | 0.0 | 44.6 | 0.786 |
| 44 | 16139 | 16140 | NS | 1 | 0.0 | 46.794 | 0.929 | 0.0 | 55.887 | 1.349 | 0.0 | 41.791 | 0.703 | 0.0 | 43.825 | 0.86 | 0.0 | 47.338 | 0.929 | 0.0 | 53.392 | 1.288 | 0.0 | 42.969 | 0.641 | 0.0 | 44.6 | 0.782 |
| 45 | 16139 | 16140 | SN | 1 | 0.0 | 39.62 | 1.032 | 0.0 | 43.907 | 1.439 | 0.0 | 37.28 | 1.31 | 0.0 | 36.721 | 1.891 | 0.0 | 40.332 | 1.026 | 0.0 | 46.451 | 1.299 | 0.0 | 38.428 | 1.245 | 0.0 | 36.023 | 1.645 |
| 46 | 16139 | 16140 | SN | 1 | 0.0 | 40.782 | 1.005 | 0.0 | 44.124 | 1.442 | 0.0 | 39.37 | 1.303 | 0.0 | 39.645 | 1.931 | 0.0 | 41.041 | 1.023 | 0.0 | 46.67 | 1.297 | 0.0 | 38.748 | 1.243 | 0.0 | 35.89 | 1.654 |
| 47 | 16140 | 16141 | SN | 1 | 0.0 | 46.846 | 1.758 | 0.0 | 41.303 | 2.185 | 0.0 | 37.719 | 1.749 | 0.0 | 39.611 | 2.545 | 0.0 | 46.875 | 1.763 | 0.0 | 40.249 | 2.144 | 0.0 | 37.499 | 1.784 | 0.0 | 35.994 | 2.34 |
| 48 | 16140 | 16141 | SN | 1 | 0.0 | 44.617 | 1.793 | 0.0 | 42.264 | 2.267 | 0.0 | 36.161 | 1.754 | 0.0 | 42.126 | 2.649 | 0.0 | 44.702 | 1.76 | 0.0 | 43.953 | 2.215 | 0.0 | 36.031 | 1.771 | 0.0 | 42.062 | 2.465 |
| 49 | 16140 | 16141 | SN | 1 | 0.0 | 45.193 | 5.63 | 0.678 | 41.099 | 7.131 | 0.0 | 41.837 | 5.612 | 0.0 | 41.956 | 6.881 | 0.0 | 45.776 | 5.722 | 0.625 | 41.143 | 6.653 | 0.0 | 41.505 | 5.966 | 0.0 | 41.003 | 6.611 |
| 50 | 16140 | 16141 | NS | 1 | 0.0 | 47.443 | 1.414 | 0.0 | 52.123 | 1.832 | 0.0 | 38.265 | 1.377 | 0.0 | 41.457 | 1.811 | 0.0 | 46.993 | 1.441 | 0.0 | 48.687 | 1.633 | 0.0 | 39.042 | 1.324 | 0.0 | 46.145 | 1.554 |
| 51 | 16140 | 16141 | SN | 1 | 0.0 | 47.88 | 1.745 | 0.0 | 42.264 | 2.18 | 0.0 | 36.161 | 1.738 | 0.0 | 42.126 | 2.545 | 0.0 | 49.012 | 1.733 | 0.0 | 43.953 | 2.135 | 0.0 | 36.031 | 1.767 | 0.0 | 42.062 | 2.378 |
| 52 | 16140 | 16141 | SN | 1 | 0.0 | 45.193 | 5.42 | 0.678 | 43.642 | 7.176 | 0.0 | 41.837 | 5.525 | 0.0 | 42.915 | 7.113 | 0.0 | 45.776 | 5.504 | 0.625 | 41.267 | 6.762 | 0.0 | 41.505 | 5.8 | 0.0 | 41.782 | 6.8 |
| 53 | 16140 | 16141 | NS | 1 | 0.0 | 47.429 | 5.097 | 0.0 | 46.183 | 6.537 | 0.0 | 43.073 | 4.666 | 0.0 | 41.918 | 5.792 | 0.0 | 48.394 | 5.24 | 0.0 | 48.944 | 6.232 | 0.0 | 42.136 | 4.574 | 0.0 | 41.256 | 5.172 |
| 54 | 16140 | 16141 | SN | 1 | 0.0 | 43.714 | 5.539 | 0.678 | 45.466 | 7.141 | 0.0 | 38.797 | 5.697 | 0.0 | 42.775 | 6.76 | 0.0 | 44.314 | 5.58 | 0.625 | 45.074 | 6.623 | 0.0 | 40.183 | 5.995 | 0.0 | 42.966 | 6.639 |
| 55 | 16140 | 16141 | NS | 1 | 0.0 | 45.794 | 5.248 | 0.0 | 53.854 | 6.213 | 0.0 | 43.794 | 4.828 | 0.0 | 48.746 | 5.842 | 0.0 | 46.665 | 5.248 | 0.0 | 52.248 | 5.948 | 0.0 | 43.07 | 4.743 | 0.0 | 46.145 | 5.087 |
| 56 | 16140 | 16141 | NS | 1 | 0.0 | 43.916 | 1.406 | 0.0 | 49.355 | 1.791 | 0.0 | 39.984 | 1.471 | 0.0 | 39.354 | 1.841 | 0.0 | 44.493 | 1.433 | 0.0 | 49.906 | 1.66 | 0.0 | 38.542 | 1.402 | 0.0 | 38.303 | 1.541 |
| 57 | 16141 | 16142 | SN | 1 | 0.0 | 52.301 | 6.855 | 0.0 | 55.564 | 9.053 | 0.0 | 44.453 | 5.836 | 0.0 | 47.375 | 7.582 | 0.0 | 51.939 | 7.007 | 0.0 | 55.989 | 9.114 | 0.0 | 43.613 | 5.822 | 0.0 | 47.33 | 7.688 |
| 58 | 16141 | 16142 | NS | 1 | 0.0 | 38.237 | 1.074 | 0.0 | 53.105 | 1.559 | 0.0 | 39.936 | 1.262 | 0.0 | 40.965 | 1.595 | 0.0 | 38.154 | 1.047 | 0.0 | 50.939 | 1.432 | 0.0 | 37.806 | 1.163 | 0.0 | 36.975 | 1.352 |
| 59 | 16141 | 16142 | SN | 1 | 0.0 | 47.826 | 2.076 | 0.0 | 44.127 | 3.007 | 0.0 | 39.9 | 1.692 | 0.0 | 37.857 | 2.505 | 0.0 | 49.721 | 2.091 | 0.0 | 43.747 | 2.942 | 0.0 | 41.324 | 1.784 | 0.0 | 38.125 | 2.459 |
| 60 | 16141 | 16142 | NS | 1 | 0.0 | 42.284 | 1.128 | 0.0 | 50.284 | 1.53 | 0.0 | 38.336 | 1.252 | 0.0 | 40.654 | 1.634 | 0.0 | 41.456 | 1.094 | 0.0 | 48.357 | 1.426 | 0.0 | 35.533 | 1.152 | 0.0 | 37.725 | 1.33 |
| 61 | 16141 | 16142 | SN | 1 | 0.0 | 52.301 | 6.972 | 0.0 | 55.564 | 9.211 | 0.0 | 44.453 | 5.674 | 0.0 | 47.375 | 7.622 | 0.0 | 51.939 | 7.124 | 0.0 | 55.989 | 9.33 | 0.0 | 43.613 | 5.697 | 0.0 | 47.33 | 7.804 |
| 62 | 16141 | 16142 | NS | 1 | 0.0 | 43.907 | 5.118 | 0.0 | 49.861 | 5.663 | 0.0 | 42.855 | 4.225 | 0.0 | 41.333 | 5.18 | 0.0 | 43.927 | 5.078 | 0.0 | 48.684 | 5.064 | 0.0 | 42.408 | 4.076 | 0.0 | 39.469 | 4.574 |
| 63 | 16141 | 16142 | SN | 1 | 0.0 | 47.826 | 2.028 | 0.0 | 44.127 | 2.906 | 0.0 | 39.9 | 1.734 | 0.0 | 37.857 | 2.447 | 0.0 | 49.721 | 2.042 | 0.0 | 43.747 | 2.848 | 0.0 | 41.324 | 1.826 | 0.0 | 38.125 | 2.391 |
| 64 | 16141 | 16142 | SN | 1 | 0.0 | 47.826 | 2.028 | 0.0 | 44.127 | 2.906 | 0.0 | 39.9 | 1.734 | 0.0 | 37.857 | 2.447 | 0.0 | 49.721 | 2.042 | 0.0 | 43.747 | 2.848 | 0.0 | 41.324 | 1.826 | 0.0 | 38.125 | 2.391 |
| 65 | 16141 | 16142 | NS | 1 | 0.0 | 43.621 | 5.026 | 0.0 | 54.389 | 5.755 | 0.0 | 47.058 | 4.339 | 0.0 | 40.613 | 5.108 | 0.0 | 43.641 | 5.047 | 0.0 | 55.148 | 5.104 | 0.0 | 46.597 | 4.218 | 0.0 | 39.448 | 4.602 |
| 66 | 16141 | 16142 | SN | 1 | 0.0 | 52.301 | 6.855 | 0.0 | 55.564 | 9.053 | 0.0 | 44.453 | 5.836 | 0.0 | 47.375 | 7.582 | 0.0 | 51.939 | 7.007 | 0.0 | 55.989 | 9.114 | 0.0 | 43.613 | 5.822 | 0.0 | 47.33 | 7.688 |
| 67 | 16142 | 16143 | NS | 1 | 0.0 | 40.621 | 0.852 | 0.0 | 51.464 | 1.209 | 0.0 | 37.113 | 0.976 | 0.0 | 43.418 | 1.295 | 0.0 | 41.13 | 0.827 | 0.0 | 50.795 | 1.173 | 0.0 | 37.945 | 0.925 | 0.0 | 46.576 | 1.128 |

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

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|-----|-------|-------|----|---|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|
| 68 | 16142 | 16143 | NS | 1 | 0.0 | 40.621 | 0.854 | 0.0 | 51.464 | 1.206 | 0.0 | 39.725 | 0.975 | 0.0 | 43.418 | 1.291 | 0.0 | 41.13 | 0.83 | 0.0 | 50.795 | 1.17 | 0.0 | 37.945 | 0.928 | 0.0 | 46.576 | 1.128 |
| 69 | 16142 | 16143 | SN | 1 | 0.0 | 53.653 | 7.887 | 0.0 | 55.933 | 9.386 | 0.0 | 48.789 | 5.888 | 0.0 | 45.551 | 6.887 | 0.0 | 53.756 | 7.953 | 0.0 | 53.93 | 9.241 | 0.0 | 47.155 | 5.709 | 0.0 | 44.997 | 6.786 |
| 70 | 16142 | 16143 | SN | 1 | 0.0 | 49.909 | 2.012 | 0.0 | 48.802 | 2.631 | 0.0 | 42.42 | 1.468 | 0.0 | 45.059 | 1.853 | 0.0 | 50.274 | 2.003 | 0.0 | 47.346 | 2.565 | 0.0 | 43.631 | 1.459 | 0.0 | 44.749 | 1.768 |
| 71 | 16142 | 16143 | SN | 1 | 0.0 | 49.909 | 2.009 | 0.0 | 48.802 | 2.635 | 0.0 | 42.42 | 1.466 | 0.0 | 45.059 | 1.855 | 0.0 | 50.274 | 2.003 | 0.0 | 47.346 | 2.568 | 0.0 | 43.631 | 1.459 | 0.0 | 44.749 | 1.77 |
| 72 | 16142 | 16143 | SN | 1 | 0.0 | 53.653 | 7.728 | 0.0 | 55.933 | 9.459 | 0.0 | 48.789 | 5.619 | 0.0 | 45.551 | 6.842 | 0.0 | 53.756 | 7.799 | 0.0 | 53.93 | 9.337 | 0.0 | 47.155 | 5.449 | 0.0 | 44.997 | 6.693 |
| 73 | 16142 | 16143 | SN | 1 | 0.0 | 53.653 | 7.728 | 0.0 | 55.933 | 9.469 | 0.0 | 48.789 | 5.619 | 0.0 | 45.551 | 6.835 | 0.0 | 53.756 | 7.799 | 0.0 | 53.93 | 9.337 | 0.0 | 47.155 | 5.442 | 0.0 | 44.997 | 6.693 |
| 74 | 16142 | 16143 | SN | 1 | 0.0 | 49.909 | 2.112 | 0.0 | 48.802 | 2.672 | 0.0 | 42.42 | 1.52 | 0.0 | 45.059 | 1.937 | 0.0 | 50.274 | 2.097 | 0.0 | 47.346 | 2.63 | 0.0 | 43.631 | 1.522 | 0.0 | 44.749 | 1.844 |
| 75 | 16142 | 16143 | NS | 1 | 0.0 | 45.476 | 3.239 | 0.0 | 50.398 | 4.057 | 0.0 | 39.25 | 3.222 | 0.0 | 44.668 | 4.268 | 0.0 | 46.107 | 3.178 | 0.0 | 52.719 | 3.945 | 0.0 | 38.067 | 3.179 | 0.0 | 43.084 | 3.805 |
| 76 | 16142 | 16143 | NS | 1 | 0.0 | 45.476 | 3.229 | 0.0 | 50.398 | 4.057 | 0.0 | 41.877 | 3.229 | 0.0 | 44.668 | 4.268 | 0.0 | 46.107 | 3.178 | 0.0 | 52.719 | 3.945 | 0.0 | 39.693 | 3.179 | 0.0 | 43.084 | 3.805 |
| 77 | 16143 | 16144 | SN | 1 | 0.0 | 47.395 | 1.256 | 0.0 | 47.94 | 1.829 | 0.0 | 46.716 | 1.043 | 0.0 | 42.168 | 1.582 | 0.0 | 48.367 | 1.217 | 0.0 | 45.89 | 1.671 | 0.0 | 47.482 | 0.943 | 0.0 | 41.879 | 1.337 |
| 78 | 16143 | 16144 | NS | 1 | 0.0 | 50.315 | 6.902 | 0.0 | 50.952 | 7.987 | 0.0 | 46.568 | 6.293 | 0.0 | 48.393 | 7.732 | 0.0 | 51.164 | 7.014 | 0.0 | 51.121 | 7.976 | 0.0 | 47.419 | 6.634 | 0.0 | 49.122 | 8.117 |
| 79 | 16143 | 16144 | NS | 1 | 0.0 | 54.202 | 6.902 | 0.0 | 50.952 | 8.058 | 0.0 | 46.158 | 6.386 | 0.0 | 48.393 | 7.782 | 0.0 | 54.638 | 7.014 | 0.0 | 51.121 | 8.017 | 0.0 | 46.018 | 6.706 | 0.0 | 49.116 | 8.124 |
| 80 | 16143 | 16144 | SN | 1 | 0.0 | 52.097 | 5.003 | 0.0 | 52.952 | 6.407 | 0.0 | 41.478 | 3.646 | 0.0 | 49.176 | 5.3 | 0.0 | 51.177 | 4.932 | 0.0 | 55.617 | 6.225 | 0.0 | 42.481 | 3.49 | 0.0 | 47.513 | 4.802 |
| 81 | 16143 | 16144 | SN | 1 | 0.0 | 52.097 | 5.003 | 0.0 | 52.952 | 6.407 | 0.0 | 41.478 | 3.646 | 0.0 | 49.176 | 5.3 | 0.0 | 51.177 | 4.932 | 0.0 | 55.617 | 6.225 | 0.0 | 42.481 | 3.49 | 0.0 | 47.513 | 4.802 |
| 82 | 16143 | 16144 | SN | 1 | 0.0 | 47.395 | 1.256 | 0.0 | 47.94 | 1.829 | 0.0 | 46.716 | 1.043 | 0.0 | 42.168 | 1.582 | 0.0 | 48.367 | 1.217 | 0.0 | 45.89 | 1.671 | 0.0 | 47.482 | 0.943 | 0.0 | 41.879 | 1.337 |
| 83 | 16143 | 16144 | NS | 1 | 0.0 | 47.989 | 2.068 | 0.0 | 47.109 | 2.751 | 0.0 | 43.746 | 1.755 | 0.0 | 51.342 | 2.477 | 0.0 | 47.259 | 2.106 | 0.0 | 45.129 | 2.785 | 0.0 | 43.591 | 1.876 | 0.0 | 54.706 | 2.587 |
| 84 | 16143 | 16144 | NS | 1 | 0.0 | 49.789 | 2.047 | 0.0 | 47.108 | 2.737 | 0.0 | 40.784 | 1.805 | 0.0 | 50.842 | 2.442 | 0.0 | 49.412 | 2.099 | 0.0 | 45.485 | 2.809 | 0.0 | 43.615 | 1.874 | 0.0 | 53.701 | 2.573 |
| 85 | 16144 | 16145 | NS | 1 | 0.0 | 47.473 | 1.328 | 0.0 | 49.861 | 1.708 | 0.0 | 45.35 | 1.515 | 0.0 | 47.598 | 1.958 | 0.0 | 45.608 | 1.312 | 0.0 | 48.087 | 1.606 | 0.0 | 43.228 | 1.428 | 0.0 | 44.832 | 1.674 |
| 86 | 16144 | 16145 | NS | 1 | 0.0 | 50.186 | 4.697 | 0.0 | 56.705 | 5.931 | 0.0 | 48.37 | 5.261 | 0.0 | 40.991 | 6.225 | 0.0 | 51.948 | 4.646 | 0.0 | 55.323 | 5.637 | 0.0 | 45.501 | 5.054 | 0.0 | 44.851 | 5.741 |
| 87 | 16144 | 16145 | NS | 1 | 0.0 | 50.186 | 4.687 | 0.0 | 56.705 | 5.952 | 0.0 | 48.37 | 5.268 | 0.0 | 40.991 | 6.218 | 0.0 | 51.948 | 4.646 | 0.0 | 55.323 | 5.637 | 0.0 | 45.503 | 5.047 | 0.0 | 44.833 | 5.72 |
| 88 | 16144 | 16145 | SN | 1 | 0.0 | 47.756 | 7.685 | 0.178 | 50.499 | 7.882 | 0.0 | 38.683 | 4.915 | 0.0 | 44.495 | 6.419 | 0.0 | 49.478 | 7.776 | 0.625 | 49.988 | 7.547 | 0.0 | 40.058 | 4.773 | 0.0 | 41.725 | 6.177 |
| 89 | 16144 | 16145 | NS | 1 | 0.0 | 47.473 | 1.326 | 0.0 | 49.861 | 1.719 | 0.0 | 45.35 | 1.506 | 0.0 | 47.298 | 1.958 | 0.0 | 45.608 | 1.308 | 0.0 | 48.089 | 1.613 | 0.0 | 43.228 | 1.424 | 0.0 | 44.694 | 1.672 |
| 90 | 16144 | 16145 | SN | 1 | 0.0 | 42.037 | 1.785 | 0.0 | 44.12 | 2.131 | 0.0 | 41.457 | 1.419 | 0.0 | 42.295 | 2.184 | 0.0 | 42.521 | 1.791 | 0.0 | 43.186 | 1.957 | 0.0 | 37.508 | 1.408 | 0.0 | 36.811 | 1.979 |
| 91 | 16145 | 16146 | SN | 1 | 0.0 | 43.625 | 1.765 | 0.0 | 46.288 | 2.404 | 0.0 | 37.742 | 1.885 | 0.0 | 40.861 | 2.339 | 0.0 | 43.116 | 1.819 | 0.0 | 47.493 | 2.187 | 0.0 | 38.109 | 1.903 | 0.0 | 42.291 | 2.057 |
| 92 | 16145 | 16146 | NS | 1 | 0.0 | 47.697 | 2.678 | 0.0 | 49.501 | 3.751 | 0.0 | 45.341 | 2.616 | 0.0 | 44.504 | 3.802 | 0.0 | 48.763 | 2.719 | 0.0 | 48.21 | 3.538 | 0.0 | 45.81 | 2.588 | 0.0 | 44.827 | 3.34 |
| 93 | 16145 | 16146 | SN | 1 | 0.0 | 54.659 | 7.058 | 0.461 | 58.463 | 8.421 | 0.0 | 50.756 | 6.598 | 0.0 | 46.851 | 8.049 | 0.0 | 55.633 | 7.099 | 0.605 | 60.188 | 8.106 | 0.0 | 49.705 | 6.612 | 0.0 | 45.78 | 7.558 |
| 94 | 16145 | 16146 | NS | 1 | 0.0 | 37.778 | 0.693 | 0.0 | 42.86 | 1.082 | 0.0 | 36.635 | 0.901 | 0.0 | 41.757 | 1.304 | 0.0 | 37.397 | 0.702 | 0.0 | 41.516 | 1.035 | 0.0 | 36.687 | 0.828 | 0.0 | 41.466 | 1.117 |
| 95 | 16146 | 16147 | SN | 1 | 0.0 | 52.261 | 3.747 | 0.017 | 52.648 | 4.774 | 0.0 | 43.947 | 3.916 | 0.0 | 48.381 | 4.391 | 0.0 | 53.02 | 3.828 | 0.296 | 54.274 | 4.388 | 0.0 | 43.193 | 3.781 | 0.0 | 44.387 | 3.95 |
| 96 | 16146 | 16147 | NS | 1 | 0.0 | 39.453 | 0.809 | 0.0 | 38.782 | 1.243 | 0.0 | 35.918 | 1.084 | 0.0 | 38.933 | 1.721 | 0.0 | 39.487 | 0.764 | 0.0 | 37.217 | 1.071 | 0.0 | 34.98 | 1.045 | 0.0 | 38.986 | 1.355 |
| 97 | 16146 | 16147 | NS | 1 | 0.0 | 46.947 | 2.868 | 0.0 | 49.694 | 4.285 | 0.0 | 37.45 | 3.225 | 0.0 | 39.306 | 4.516 | 0.0 | 47.037 | 2.755 | 0.0 | 51.677 | 3.831 | 0.0 | 39.149 | 3.001 | 0.0 | 36.753 | 3.987 |
| 98 | 16146 | 16147 | NS | 1 | 0.0 | 39.453 | 0.82 | 0.0 | 38.782 | 1.261 | 0.0 | 35.918 | 1.101 | 0.0 | 38.933 | 1.748 | 0.0 | 39.487 | 0.777 | 0.0 | 37.217 | 1.089 | 0.0 | 34.98 | 1.065 | 0.0 | 38.986 | 1.378 |
| 99 | 16146 | 16147 | SN | 1 | 0.0 | 48.791 | 3.767 | 0.017 | 56.329 | 4.784 | 0.0 | 43.874 | 3.987 | 0.0 | 49.755 | 4.369 | 0.0 | 49.55 | 3.878 | 0.296 | 57.95 | 4.459 | 0.0 | 43.468 | 3.774 | 0.0 | 45.168 | 3.907 |
| 100 | 16146 | 16147 | SN | 1 | 0.0 | 45.777 | 0.99 | 0.0 | 52.576 | 1.213 | 0.0 | 42.245 | 0.986 | 0.0 | 40.623 | 1.208 | 0.0 | 44.943 | 0.985 | 0.0 | 51.127 | 1.121 | 0.0 | 39.646 | 0.915 | 0.0 | 41.662 | 1.072 |
| 101 | 16146 | 16147 | SN | 1 | 0.0 | 44.752 | 1.01 | 0.0 | 50.602 | 1.202 | 0.0 | 41.879 | 0.995 | 0.0 | 44.631 | 1.221 | 0.0 | 44.78 | 1.01 | 0.0 | 49.988 | 1.148 | 0.0 | 39.61 | 0.931 | 0.0 | 41.395 | 1.091 |
| 102 | 16146 | 16147 | NS | 1 | 0.0 | 46.947 | 2.821 | 0.0 | 49.694 | 4.209 | 0.0 | 37.45 | 3.178 | 0.0 | 39.306 | 4.428 | 0.0 | 47.037 | 2.709 | 0.0 | 51.677 | 3.763 | 0.0 | 39.149 | 2.951 | 0.0 | 36.753 | 3.909 |
| 103 | 16147 | 16148 | SN | 1 | 0.0 | 36.803 | 0.798 | 0.0 | 42.394 | 1.03 | 0.0 | 46.28 | 1.101 | 0.0 | 38.806 | 1.213 | 0.0 | 36.966 | 0.805 | 0.0 | 40.622 | 0.874 | 0.0 | 44.789 | 0.956 | 0.0 | 37.424 | 0.998 |

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

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|-----|-------|-------|----|---|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|
| 104 | 16147 | 16148 | NS | 1 | 0.0 | 40.627 | 1.234 | 0.0 | 38.452 | 1.573 | 0.0 | 37.88 | 1.347 | 0.0 | 49.34 | 1.998 | 0.0 | 40.458 | 1.304 | 0.0 | 35.465 | 1.516 | 0.0 | 38.84 | 1.347 | 0.0 | 46.636 | 1.772 |
| 105 | 16147 | 16148 | NS | 1 | 0.0 | 40.627 | 1.294 | 0.0 | 38.452 | 1.647 | 0.0 | 37.88 | 1.425 | 0.0 | 49.34 | 2.095 | 0.0 | 40.458 | 1.368 | 0.0 | 35.465 | 1.591 | 0.0 | 38.84 | 1.428 | 0.0 | 46.636 | 1.853 |
| 106 | 16147 | 16148 | NS | 1 | 0.0 | 40.627 | 1.234 | 0.0 | 38.452 | 1.573 | 0.0 | 37.88 | 1.347 | 0.0 | 49.34 | 1.998 | 0.0 | 40.458 | 1.304 | 0.0 | 35.465 | 1.516 | 0.0 | 38.84 | 1.347 | 0.0 | 46.636 | 1.772 |
| 107 | 16147 | 16148 | NS | 1 | 0.0 | 47.846 | 4.354 | 0.0 | 42.252 | 5.242 | 0.0 | 38.899 | 4.372 | 0.0 | 48.908 | 5.543 | 0.0 | 46.793 | 4.503 | 0.0 | 42.068 | 5.178 | 0.0 | 38.52 | 4.537 | 0.0 | 46.595 | 5.505 |
| 108 | 16147 | 16148 | NS | 1 | 0.0 | 47.846 | 4.153 | 0.0 | 42.252 | 5.003 | 0.0 | 38.899 | 4.21 | 0.0 | 48.908 | 5.273 | 0.0 | 46.793 | 4.295 | 0.0 | 42.068 | 4.942 | 0.0 | 38.52 | 4.317 | 0.0 | 46.595 | 5.258 |
| 109 | 16147 | 16148 | SN | 1 | 0.0 | 49.561 | 2.329 | 0.0 | 46.534 | 3.258 | 0.0 | 45.318 | 2.886 | 0.0 | 41.178 | 3.392 | 0.0 | 50.388 | 2.349 | 0.0 | 45.778 | 3.024 | 0.0 | 44.236 | 2.837 | 0.0 | 45.15 | 2.831 |
| 110 | 16147 | 16148 | NS | 1 | 0.0 | 47.846 | 4.153 | 0.0 | 42.252 | 5.003 | 0.0 | 38.899 | 4.21 | 0.0 | 48.908 | 5.273 | 0.0 | 46.793 | 4.295 | 0.0 | 42.068 | 4.942 | 0.0 | 38.52 | 4.317 | 0.0 | 46.595 | 5.258 |
| 111 | 16148 | 16149 | NS | 1 | 0.0 | 45.336 | 6.231 | 0.0 | 42.228 | 6.475 | 0.0 | 41.149 | 5.447 | 0.0 | 44.962 | 6.597 | 0.0 | 45.721 | 6.403 | 0.0 | 45.262 | 6.231 | 0.0 | 39.955 | 5.56 | 0.0 | 44.568 | 6.397 |
| 112 | 16148 | 16149 | NS | 1 | 0.0 | 44.467 | 1.744 | 0.0 | 46.149 | 1.939 | 0.0 | 35.19 | 1.661 | 0.0 | 43.608 | 2.234 | 0.0 | 43.359 | 1.783 | 0.0 | 47.06 | 1.876 | 0.0 | 35.97 | 1.627 | 0.0 | 42.073 | 2.053 |
| 113 | 16148 | 16149 | SN | 1 | 0.0 | 45.473 | 2.956 | 0.0 | 45.867 | 3.38 | 0.0 | 40.318 | 3.049 | 0.0 | 48.152 | 4.096 | 0.0 | 45.734 | 2.936 | 0.0 | 44.642 | 3.227 | 0.0 | 40.041 | 3.014 | 0.0 | 49.82 | 3.556 |
| 114 | 16148 | 16149 | NS | 1 | 0.0 | 45.336 | 6.793 | 0.0 | 42.228 | 7.145 | 0.0 | 41.149 | 5.922 | 0.0 | 44.962 | 7.279 | 0.0 | 45.721 | 6.994 | 0.0 | 45.262 | 6.876 | 0.0 | 39.955 | 6.001 | 0.0 | 44.568 | 7.051 |
| 115 | 16148 | 16149 | NS | 1 | 0.0 | 46.398 | 6.241 | 0.0 | 42.228 | 6.495 | 0.0 | 38.618 | 5.496 | 0.0 | 44.962 | 6.589 | 0.0 | 46.783 | 6.475 | 0.0 | 45.262 | 6.231 | 0.0 | 39.767 | 5.617 | 0.0 | 43.314 | 6.44 |
| 116 | 16148 | 16149 | SN | 1 | 0.0 | 45.517 | 2.936 | 0.0 | 45.873 | 3.39 | 0.0 | 40.245 | 3.021 | 0.0 | 48.152 | 4.125 | 0.0 | 45.78 | 2.916 | 0.0 | 44.642 | 3.238 | 0.0 | 39.968 | 3.0 | 0.0 | 49.821 | 3.57 |
| 117 | 16148 | 16149 | NS | 1 | 0.0 | 43.641 | 1.724 | 0.0 | 46.877 | 1.982 | 0.0 | 39.193 | 1.649 | 0.0 | 45.22 | 2.229 | 0.0 | 43.667 | 1.765 | 0.0 | 47.781 | 1.894 | 0.0 | 39.359 | 1.65 | 0.0 | 44.802 | 2.073 |
| 118 | 16148 | 16149 | SN | 1 | 0.0 | 38.885 | 0.884 | 0.0 | 44.889 | 1.039 | 0.0 | 36.964 | 0.991 | 0.0 | 40.061 | 1.52 | 0.0 | 40.688 | 0.854 | 0.0 | 44.529 | 0.937 | 0.0 | 37.657 | 0.94 | 0.0 | 40.198 | 1.263 |
| 119 | 16148 | 16149 | SN | 1 | 0.0 | 38.884 | 0.881 | 0.0 | 44.86 | 1.032 | 0.0 | 36.95 | 0.984 | 0.0 | 40.061 | 1.506 | 0.0 | 40.688 | 0.852 | 0.0 | 44.5 | 0.926 | 0.0 | 37.644 | 0.934 | 0.0 | 40.196 | 1.261 |
| 120 | 16148 | 16149 | NS | 1 | 0.0 | 43.641 | 1.898 | 0.0 | 46.54 | 2.171 | 0.0 | 39.193 | 1.793 | 0.0 | 45.22 | 2.441 | 0.0 | 43.667 | 1.938 | 0.0 | 47.449 | 2.072 | 0.0 | 39.359 | 1.805 | 0.0 | 44.802 | 2.279 |
| 121 | 16149 | 16150 | SN | 1 | 0.0 | 51.565 | 4.278 | 0.0 | 44.818 | 5.029 | 0.0 | 45.954 | 3.227 | 0.0 | 41.016 | 3.976 | 0.0 | 51.35 | 4.385 | 0.0 | 45.021 | 4.912 | 0.0 | 46.197 | 3.227 | 0.0 | 38.233 | 3.664 |
| 122 | 16149 | 16150 | SN | 1 | 0.0 | 42.928 | 5.217 | 0.0 | 44.942 | 6.56 | 0.0 | 47.535 | 4.116 | 0.0 | 43.482 | 5.314 | 0.0 | 42.474 | 5.369 | 0.0 | 45.021 | 6.458 | 0.0 | 47.123 | 4.208 | 0.0 | 45.32 | 5.058 |
| 123 | 16149 | 16150 | SN | 1 | 0.0 | 41.008 | 3.262 | 0.0 | 44.939 | 5.465 | 0.0 | 34.73 | 2.238 | 0.0 | 39.637 | 4.057 | 0.0 | 42.689 | 3.516 | 0.0 | 45.04 | 5.116 | 0.0 | 36.525 | 2.188 | 0.0 | 37.238 | 3.881 |
| 124 | 16149 | 16150 | SN | 1 | 0.0 | 39.416 | 0.841 | 0.0 | 55.743 | 1.346 | 0.0 | 37.603 | 0.723 | 0.0 | 39.049 | 1.433 | 0.0 | 39.486 | 0.809 | 0.0 | 53.244 | 1.303 | 0.0 | 36.054 | 0.706 | 0.0 | 35.661 | 1.342 |
| 125 | 16149 | 16150 | SN | 1 | 0.0 | 41.356 | 0.961 | 0.0 | 55.743 | 1.289 | 0.0 | 36.019 | 0.862 | 0.0 | 40.661 | 1.341 | 0.0 | 40.401 | 0.956 | 0.0 | 53.244 | 1.202 | 0.0 | 36.054 | 0.877 | 0.0 | 37.33 | 1.208 |
| 126 | 16149 | 16150 | NS | 1 | 0.0 | 46.026 | 2.14 | 0.0 | 50.067 | 2.302 | 0.0 | 43.878 | 1.936 | 0.0 | 40.635 | 2.796 | 0.0 | 45.558 | 2.188 | 0.0 | 47.053 | 2.278 | 0.0 | 46.817 | 1.944 | 0.0 | 43.128 | 2.577 |
| 127 | 16149 | 16150 | NS | 1 | 0.0 | 48.321 | 6.14 | 0.0 | 52.849 | 6.959 | 0.0 | 43.256 | 5.553 | 0.0 | 49.032 | 7.212 | 0.0 | 50.113 | 6.282 | 0.0 | 52.658 | 7.01 | 0.0 | 43.836 | 5.681 | 0.0 | 50.985 | 6.984 |
| 128 | 16149 | 16150 | NS | 1 | 0.0 | 48.605 | 6.15 | 0.0 | 53.768 | 6.949 | 0.0 | 42.56 | 5.596 | 0.0 | 46.95 | 7.283 | 0.0 | 50.401 | 6.201 | 0.0 | 53.464 | 6.949 | 0.0 | 42.057 | 5.717 | 0.0 | 48.902 | 7.034 |
| 129 | 16149 | 16150 | NS | 1 | 0.0 | 46.026 | 1.878 | 0.0 | 50.067 | 1.975 | 0.0 | 43.878 | 1.723 | 0.0 | 40.635 | 2.376 | 0.0 | 45.558 | 1.925 | 0.0 | 47.053 | 1.948 | 0.0 | 46.817 | 1.719 | 0.0 | 43.128 | 2.201 |
| 130 | 16149 | 16150 | NS | 1 | 0.0 | 45.776 | 1.891 | 0.0 | 50.067 | 1.944 | 0.0 | 39.775 | 1.675 | 0.0 | 40.635 | 2.412 | 0.0 | 45.194 | 1.934 | 0.0 | 47.564 | 1.953 | 0.0 | 41.741 | 1.695 | 0.0 | 43.128 | 2.256 |
| 131 | 16149 | 16150 | SN | 1 | 0.0 | 40.346 | 1.31 | 0.0 | 55.743 | 1.825 | 0.0 | 41.221 | 1.172 | 0.0 | 40.372 | 1.726 | 0.0 | 40.804 | 1.313 | 0.0 | 53.244 | 1.75 | 0.0 | 41.342 | 1.172 | 0.0 | 39.638 | 1.614 |
| 132 | 16149 | 16150 | NS | 1 | 0.0 | 48.605 | 6.923 | 0.0 | 53.768 | 8.103 | 0.0 | 42.56 | 6.395 | 0.0 | 46.95 | 8.447 | 0.0 | 50.401 | 6.97 | 0.0 | 53.464 | 8.139 | 0.0 | 42.057 | 6.52 | 0.0 | 48.902 | 8.205 |
| 133 | 16150 | 16151 | SN | 1 | 0.0 | 51.376 | 5.762 | 0.364 | 46.203 | 6.48 | 0.0 | 47.491 | 5.051 | 0.0 | 48.45 | 5.629 | 0.0 | 52.512 | 5.954 | 0.272 | 46.61 | 6.196 | 0.0 | 47.812 | 4.952 | 0.0 | 47.197 | 5.131 |
| 134 | 16150 | 16151 | SN | 1 | 0.0 | 46.087 | 1.488 | 0.0 | 48.523 | 1.67 | 0.0 | 37.315 | 1.306 | 0.0 | 43.364 | 1.661 | 0.0 | 47.082 | 1.515 | 0.0 | 48.241 | 1.652 | 0.0 | 36.445 | 1.328 | 0.0 | 41.426 | 1.51 |
| 135 | 16150 | 16151 | SN | 1 | 0.0 | 51.376 | 5.92 | 0.364 | 46.203 | 6.57 | 0.0 | 47.491 | 5.099 | 0.0 | 48.45 | 5.675 | 0.0 | 52.512 | 6.065 | 0.272 | 46.61 | 6.299 | 0.0 | 47.812 | 4.939 | 0.0 | 47.197 | 5.259 |
| 136 | 16150 | 16151 | SN | 1 | 0.0 | 54.889 | 1.454 | 0.0 | 43.63 | 1.668 | 0.0 | 36.517 | 1.308 | 0.0 | 42.354 | 1.649 | 0.0 | 55.391 | 1.479 | 0.0 | 43.21 | 1.647 | 0.0 | 37.63 | 1.34 | 0.0 | 39.944 | 1.503 |
| 137 | 16150 | 16151 | NS | 1 | 0.0 | 42.691 | 1.331 | 0.0 | 52.745 | 1.922 | 0.0 | 40.112 | 1.259 | 0.0 | 46.682 | 1.976 | 0.0 | 43.175 | 1.313 | 0.0 | 53.528 | 1.685 | 0.0 | 40.28 | 1.205 | 0.0 | 48.202 | 1.676 |
| 138 | 16150 | 16151 | NS | 1 | 0.0 | 50.496 | 5.767 | 0.0 | 54.541 | 7.95 | 0.0 | 44.204 | 4.694 | 0.0 | 45.805 | 6.148 | 0.0 | 50.813 | 5.686 | 0.0 | 51.083 | 7.431 | 0.0 | 41.587 | 4.544 | 0.0 | 45.403 | 5.557 |
| 139 | 16150 | 16151 | SN | 1 | 0.0 | 54.889 | 1.484 | 0.0 | 43.63 | 1.709 | 0.0 | 36.2 | 1.334 | 0.0 | 44.175 | 1.664 | 0.0 | 55.391 | 1.514 | 0.0 | 43.21 | 1.693 | 0.0 | 37.63 | 1.361 | 0.0 | 42.759 | 1.502 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|------|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|-------|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|
| 140 | 16150 | 16151 | SN | 1 | 0.0 | 51.665 | 5.722 | 0.364 | 45.944 | 6.43 | 0.0 | 50.191 | 5.051 | 0.0 | 48.441 | 5.615 | 0.0 | 52.799 | 5.924 | 0.272 | 46.469 | 6.216 | 0.0 | 50.511 | 4.994 | 0.0 | 47.187 | 5.181 |
| 141 | 16151 | 16152 | NS | 1 | 0.0 | 43.83 | 3.574 | 0.0 | 54.654 | 4.656 | 0.0 | 45.182 | 3.001 | 0.0 | 48.099 | 3.505 | 0.0 | 44.217 | 3.645 | 0.0 | 55.836 | 4.331 | 0.0 | 45.84 | 2.788 | 0.0 | 48.013 | 2.921 |
| 142 | 16151 | 16152 | NS | 1 | 0.0 | 48.342 | 3.725 | 0.0 | 58.548 | 4.959 | 0.0 | 41.113 | 3.221 | 0.0 | 49.617 | 3.546 | 0.0 | 48.705 | 3.796 | 0.0 | 58.133 | 4.574 | 0.0 | 41.882 | 2.944 | 0.0 | 48.65 | 3.063 |
| 143 | 16151 | 16152 | SN | 1 | 0.0 | 42.649 | 4.422 | 0.835 | 50.474 | 6.276 | 0.0 | 36.559 | 3.94 | 0.0 | 41.217 | 6.351 | 0.0 | 45.306 | 4.494 | 0.817 | 51.826 | 6.049 | 0.0 | 37.46 | 4.098 | 0.0 | 40.33 | 6.163 |
| 144 | 16151 | 16152 | SN | 1 | 0.0 | 46.153 | 4.371 | 0.835 | 49.501 | 6.224 | 0.0 | 39.882 | 3.99 | 0.0 | 43.777 | 6.337 | 0.0 | 45.301 | 4.494 | 0.817 | 50.86 | 6.029 | 0.0 | 36.853 | 4.062 | 0.0 | 43.828 | 6.178 |
| 145 | 16151 | 16152 | SN | 1 | 0.0 | 46.153 | 4.446 | 0.835 | 49.501 | 6.206 | 0.0 | 39.882 | 3.959 | 0.0 | 43.777 | 6.341 | 0.0 | 45.301 | 4.567 | 0.817 | 50.86 | 6.003 | 0.0 | 36.853 | 4.022 | 0.0 | 43.828 | 6.156 |
| 146 | 16151 | 16152 | NS | 1 | 0.0 | 39.948 | 0.872 | 0.0 | 53.217 | 1.364 | 0.0 | 41.576 | 0.859 | 0.0 | 47.487 | 1.293 | 0.0 | 40.183 | 0.838 | 0.0 | 54.897 | 1.254 | 0.0 | 43.602 | 0.728 | 0.0 | 45.969 | 0.97 |
| 147 | 16151 | 16152 | NS | 1 | 0.0 | 40.762 | 0.929 | 0.0 | 53.39 | 1.444 | 0.0 | 40.678 | 0.822 | 0.0 | 43.273 | 1.192 | 0.0 | 39.636 | 0.874 | 0.0 | 57.536 | 1.331 | 0.0 | 41.466 | 0.712 | 0.0 | 45.011 | 0.93 |
| 148 | 16151 | 16152 | SN | 1 | 0.0 | 40.298 | 1.133 | 0.0 | 42.51 | 1.961 | 0.0 | 36.042 | 1.277 | 0.0 | 38.084 | 2.044 | 0.0 | 42.217 | 1.14 | 0.0 | 42.84 | 1.943 | 0.0 | 35.269 | 1.242 | 0.0 | 40.367 | 1.922 |
| 149 | 16151 | 16152 | SN | 1 | 0.0 | 39.583 | 1.149 | 0.0 | 41.497 | 1.984 | 0.0 | 40.678 | 1.24 | 0.0 | 38.265 | 2.052 | 0.0 | 39.824 | 1.167 | 0.0 | 41.853 | 1.945 | 0.0 | 40.437 | 1.236 | 0.0 | 39.314 | 1.944 |
| 150 | 16151 | 16152 | SN | 1 | 0.0 | 39.583 | 1.154 | 0.0 | 41.497 | 1.968 | 0.0 | 40.678 | 1.227 | 0.0 | 38.265 | 2.039 | 0.0 | 39.824 | 1.179 | 0.0 | 41.853 | 1.928 | 0.0 | 40.437 | 1.22 | 0.0 | 39.314 | 1.94 |
| 151 | 16152 | 16153 | SN | 1 | 0.78 | 41.426 | 3.291 | 0.0 | 39.694 | 4.274 | 0.0 | 41.704 | 3.631 | 0.0 | 45.428 | 4.964 | 0.641 | 41.777 | 3.412 | 0.0 | 39.167 | 4.132 | 0.0 | 41.149 | 3.447 | 0.0 | 44.319 | 4.302 |
| 152 | 16152 | 16153 | SN | 1 | 0.0 | 36.5 | 0.92 | 0.0 | 48.398 | 1.344 | 0.0 | 36.955 | 1.221 | 0.0 | 43.905 | 1.764 | 0.0 | 36.62 | 0.938 | 0.0 | 45.673 | 1.226 | 0.0 | 37.128 | 1.131 | 0.0 | 39.494 | 1.529 |
| 153 | 16152 | 16153 | NS | 1 | 0.0 | 54.328 | 5.869 | 0.0 | 46.108 | 6.945 | 0.0 | 40.377 | 4.644 | 0.0 | 46.441 | 6.071 | 0.0 | 54.444 | 5.879 | 0.0 | 49.194 | 6.558 | 0.0 | 37.178 | 4.573 | 0.0 | 47.192 | 5.985 |
| 154 | 16152 | 16153 | NS | 1 | 0.0 | 44.611 | 1.634 | 0.0 | 48.703 | 2.187 | 0.0 | 42.128 | 1.362 | 0.0 | 43.166 | 1.854 | 0.0 | 44.971 | 1.698 | 0.0 | 48.773 | 2.119 | 0.0 | 41.251 | 1.383 | 0.0 | 45.134 | 1.787 |
| 155 | 16152 | 16153 | NS | 1 | 0.0 | 54.328 | 5.828 | 0.0 | 46.108 | 6.955 | 0.0 | 39.665 | 4.63 | 0.0 | 46.441 | 6.12 | 0.0 | 54.444 | 5.858 | 0.0 | 49.194 | 6.579 | 0.0 | 40.877 | 4.523 | 0.0 | 47.192 | 5.957 |
| 156 | 16152 | 16153 | NS | 1 | 0.0 | 44.611 | 1.652 | 0.0 | 48.703 | 2.189 | 0.0 | 42.128 | 1.376 | 0.0 | 43.166 | 1.877 | 0.0 | 44.971 | 1.7 | 0.0 | 48.773 | 2.122 | 0.0 | 41.251 | 1.392 | 0.0 | 45.134 | 1.788 |
| 157 | 16152 | 16153 | SN | 1 | 0.0 | 41.426 | 3.197 | 0.0 | 39.694 | 4.185 | 0.0 | 41.704 | 3.536 | 0.0 | 45.428 | 4.918 | 0.0 | 41.777 | 3.3 | 0.0 | 39.167 | 4.041 | 0.0 | 41.149 | 3.341 | 0.0 | 44.319 | 4.239 |
| 158 | 16152 | 16153 | SN | 1 | 0.0 | 36.5 | 0.92 | 0.0 | 48.398 | 1.344 | 0.0 | 36.955 | 1.221 | 0.0 | 43.905 | 1.764 | 0.0 | 36.62 | 0.938 | 0.0 | 45.673 | 1.226 | 0.0 | 37.128 | 1.131 | 0.0 | 39.494 | 1.529 |
| 159 | 16152 | 16153 | SN | 1 | 0.78 | 41.426 | 3.291 | 0.0 | 39.694 | 4.274 | 0.0 | 41.704 | 3.631 | 0.0 | 45.428 | 4.964 | 0.641 | 41.777 | 3.412 | 0.0 | 39.167 | 4.132 | 0.0 | 41.149 | 3.447 | 0.0 | 44.319 | 4.302 |
| 160 | 16152 | 16153 | SN | 1 | 0.0 | 36.5 | 0.904 | 0.0 | 48.398 | 1.346 | 0.0 | 36.955 | 1.186 | 0.0 | 43.905 | 1.754 | 0.0 | 36.62 | 0.92 | 0.0 | 45.673 | 1.22 | 0.0 | 37.128 | 1.098 | 0.0 | 39.494 | 1.518 |
| 161 | 16153 | 16154 | SN | 1 | 0.0 | 40.377 | 1.115 | 0.0 | 39.619 | 1.52 | 0.0 | 35.187 | 1.308 | 0.0 | 38.415 | 1.953 | 0.0 | 39.071 | 1.06 | 0.0 | 37.745 | 1.352 | 0.0 | 35.615 | 1.155 | 0.0 | 35.17 | 1.525 |
| 162 | 16153 | 16154 | SN | 1 | 0.0 | 40.377 | 1.134 | 0.0 | 39.619 | 1.504 | 0.0 | 35.187 | 1.34 | 0.0 | 38.415 | 1.926 | 0.0 | 39.071 | 1.096 | 0.0 | 38.978 | 1.348 | 0.0 | 35.727 | 1.197 | 0.0 | 35.17 | 1.468 |
| 163 | 16153 | 16154 | SN | 1 | 0.0 | 48.696 | 4.042 | 0.0 | 42.471 | 5.36 | 0.0 | 38.421 | 4.244 | 0.0 | 42.191 | 5.077 | 0.0 | 48.123 | 4.082 | 0.0 | 43.189 | 4.964 | 0.0 | 39.24 | 4.024 | 0.0 | 41.519 | 4.651 |
| 164 | 16153 | 16154 | SN | 1 | 0.0 | 41.815 | 3.868 | 0.0 | 42.222 | 5.35 | 0.0 | 35.547 | 4.158 | 0.0 | 44.521 | 5.044 | 0.0 | 42.471 | 3.889 | 0.0 | 43.493 | 4.935 | 0.0 | 37.971 | 3.918 | 0.0 | 40.887 | 4.651 |
| 165 | 16153 | 16154 | NS | 1 | 0.0 | 50.299 | 4.608 | 0.0 | 51.299 | 5.779 | 0.0 | 49.765 | 3.57 | 0.0 | 45.349 | 4.54 | 0.0 | 50.179 | 4.75 | 0.0 | 50.857 | 5.464 | 0.0 | 48.449 | 3.527 | 0.0 | 45.838 | 3.941 |
| 166 | 16153 | 16154 | NS | 1 | 0.0 | 52.661 | 1.148 | 0.0 | 49.386 | 1.465 | 0.0 | 42.092 | 0.93 | 0.0 | 40.736 | 1.18 | 0.0 | 51.825 | 1.159 | 0.0 | 47.797 | 1.399 | 0.0 | 40.761 | 0.894 | 0.0 | 42.023 | 1.107 |
| 167 | 16153 | 16154 | NS | 1 | 0.0 | 44.507 | 1.103 | 0.0 | 50.021 | 1.396 | 0.0 | 41.339 | 0.868 | 0.0 | 42.858 | 1.213 | 0.0 | 45.065 | 1.146 | 0.0 | 47.453 | 1.331 | 0.0 | 40.615 | 0.856 | 0.0 | 38.766 | 1.088 |
| 168 | 16153 | 16154 | NS | 1 | 0.0 | 50.924 | 4.356 | 0.0 | 46.35 | 5.511 | 0.0 | 46.311 | 3.492 | 0.0 | 46.319 | 4.489 | 0.0 | 51.383 | 4.478 | 0.0 | 48.017 | 5.175 | 0.0 | 47.268 | 3.357 | 0.0 | 45.823 | 4.033 |
| 169 | 16154 | 16155 | SN | 1 | 0.0 | 41.523 | 1.242 | 0.0 | 40.66 | 1.868 | 0.0 | 37.462 | 1.676 | 0.0 | 41.396 | 2.551 | 0.0 | 41.998 | 1.242 | 0.0 | 38.921 | 1.737 | 0.0 | 38.502 | 1.568 | 0.0 | 38.554 | 2.241 |
| 170 | 16154 | 16155 | SN | 1 | 0.0 | 48.31 | 4.305 | 0.0 | 44.363 | 5.96 | 0.0 | 36.896 | 5.115 | 0.0 | 43.263 | 6.667 | 0.0 | 47.721 | 4.487 | 0.0 | 44.919 | 5.625 | 0.0 | 35.848 | 5.15 | 0.0 | 43.215 | 6.325 |
| 171 | 16154 | 16155 | NS | 1 | 0.0 | 53.101 | 4.049 | 1.233 | 57.384 | 4.943 | 0.0 | 45.25 | 3.833 | 0.0 | 47.702 | 4.926 | 0.0 | 54.13 | 4.181 | 0.835 | 55.116 | 4.903 | 0.0 | 45.003 | 3.833 | 0.0 | 44.775 | 4.72 |
| 172 | 16154 | 16155 | NS | 1 | 0.0 | 40.357 | 1.119 | 0.0 | 48.208 | 1.44 | 0.0 | 42.49 | 1.113 | 0.0 | 47.04 | 1.484 | 0.0 | 40.003 | 1.137 | 0.0 | 48.412 | 1.417 | 0.0 | 39.934 | 1.093 | 0.0 | 48.613 | 1.304 |
| 173 | 16155 | 16156 | SN | 1 | 0.0 | 41.348 | 1.145 | 0.0 | 43.666 | 1.791 | 0.0 | 37.792 | 1.535 | 0.0 | 42.555 | 2.102 | 0.0 | 41.308 | 1.134 | 0.0 | 41.29 | 1.568 | 0.0 | 36.826 | 1.418 | 0.0 | 38.55 | 1.758 |
| 174 | 16155 | 16156 | NS | 1 | 0.0 | 52.552 | 1.08 | 0.0 | 51.597 | 1.474 | 0.0 | 38.658 | 1.405 | 0.0 | 39.807 | 1.714 | 0.0 | 52.98 | 1.105 | 0.0 | 51.661 | 1.338 | 0.0 | 37.952 | 1.283 | 0.0 | 42.053 | 1.402 |
| 175 | 16155 | 16156 | SN | 1 | 0.0 | 50.847 | 4.265 | 0.0 | 48.263 | 6.054 | 0.0 | 39.775 | 4.743 | 0.0 | 39.108 | 5.864 | 0.0 | 50.603 | 4.254 | 0.0 | 45.642 | 5.434 | 0.0 | 39.678 | 4.383 | 0.0 | 38.355 | 5.519 |

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

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|-----|-------|-------|----|---|-----|--------|-------|-------|--------|--------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-------|--------|--------|-----|--------|-------|-----|--------|-------|
| 176 | 16155 | 16156 | SN | 1 | 0.0 | 50.847 | 4.224 | 0.0 | 48.263 | 5.95 | 0.0 | 39.775 | 4.64 | 0.0 | 39.108 | 5.706 | 0.0 | 50.603 | 4.244 | 0.0 | 45.642 | 5.3 | 0.0 | 39.321 | 4.278 | 0.0 | 38.355 | 5.315 |
| 177 | 16155 | 16156 | NS | 1 | 0.0 | 49.881 | 3.776 | 1.508 | 54.476 | 4.345 | 0.0 | 45.397 | 4.43 | 0.0 | 42.589 | 5.331 | 0.0 | 49.187 | 3.765 | 1.003 | 56.056 | 3.979 | 0.0 | 44.83 | 4.245 | 0.0 | 41.676 | 4.768 |
| 178 | 16155 | 16156 | SN | 1 | 0.0 | 41.214 | 1.147 | 0.0 | 43.666 | 1.863 | 0.0 | 36.772 | 1.568 | 0.0 | 42.555 | 2.151 | 0.0 | 41.175 | 1.145 | 0.0 | 41.29 | 1.637 | 0.0 | 36.824 | 1.456 | 0.0 | 38.55 | 1.821 |
| 179 | 16155 | 16156 | NS | 1 | 0.0 | 56.271 | 1.181 | 0.0 | 47.671 | 1.494 | 0.0 | 39.388 | 1.394 | 0.0 | 41.958 | 1.759 | 0.0 | 54.308 | 1.165 | 0.0 | 45.424 | 1.37 | 0.0 | 38.025 | 1.279 | 0.0 | 41.22 | 1.461 |
| 180 | 16155 | 16156 | NS | 1 | 0.0 | 48.152 | 3.773 | 0.0 | 52.804 | 4.354 | 0.0 | 45.397 | 4.4 | 0.0 | 45.44 | 5.021 | 0.0 | 48.514 | 3.733 | 0.0 | 51.286 | 3.888 | 0.0 | 45.194 | 4.059 | 0.0 | 47.016 | 4.395 |
| 181 | 16156 | 16157 | SN | 1 | 0.0 | 43.101 | 2.078 | 0.0 | 51.673 | 2.66 | 0.0 | 42.609 | 1.729 | 0.0 | 47.145 | 2.257 | 0.0 | 44.225 | 2.13 | 0.0 | 48.881 | 2.599 | 0.0 | 41.754 | 1.795 | 0.0 | 42.445 | 2.35 |
| 182 | 16156 | 16157 | NS | 1 | 0.0 | 49.352 | 6.318 | 0.0 | 56.039 | 7.798 | 0.0 | 41.399 | 5.161 | 0.0 | 46.528 | 6.373 | 0.0 | 50.545 | 6.44 | 0.0 | 55.729 | 7.95 | 0.0 | 42.803 | 5.154 | 0.0 | 49.011 | 6.323 |
| 183 | 16156 | 16157 | NS | 1 | 0.0 | 40.689 | 1.477 | 0.0 | 49.309 | 2.211 | 0.0 | 39.227 | 1.609 | 0.0 | 43.825 | 2.052 | 0.0 | 41.479 | 1.484 | 0.0 | 52.358 | 2.2 | 0.0 | 40.266 | 1.573 | 0.0 | 41.379 | 1.935 |
| 184 | 16156 | 16157 | SN | 1 | 0.0 | 55.475 | 8.01 | 0.0 | 51.732 | 9.101 | 0.0 | 46.851 | 6.073 | 0.0 | 50.237 | 7.415 | 0.0 | 55.468 | 8.213 | 0.0 | 51.268 | 9.04 | 0.0 | 45.786 | 6.343 | 0.0 | 50.093 | 7.551 |
| 185 | 16157 | 16158 | NS | 1 | 0.0 | 52.159 | 4.192 | 0.0 | 51.015 | 5.162 | 0.0 | 42.982 | 4.139 | 0.0 | 44.291 | 5.835 | 0.0 | 52.737 | 4.365 | 0.0 | 51.126 | 5.142 | 0.0 | 42.898 | 4.053 | 0.0 | 48.053 | 5.231 |
| 186 | 16157 | 16158 | SN | 1 | 0.0 | 49.547 | 4.607 | 0.0 | 54.054 | 5.827 | 0.0 | 47.156 | 3.439 | 0.0 | 46.399 | 4.722 | 0.0 | 51.716 | 4.658 | 0.0 | 54.685 | 5.675 | 0.0 | 47.475 | 3.333 | 0.0 | 49.309 | 4.139 |
| 187 | 16157 | 16158 | NS | 1 | 0.0 | 45.001 | 1.27 | 0.0 | 54.539 | 1.722 | 0.0 | 35.996 | 1.244 | 0.0 | 43.525 | 1.943 | 0.0 | 45.598 | 1.252 | 0.0 | 56.816 | 1.717 | 0.0 | 36.578 | 1.251 | 0.0 | 44.158 | 1.76 |
| 188 | 16157 | 16158 | SN | 1 | 0.0 | 44.64 | 1.14 | 0.0 | 45.988 | 1.515 | 0.0 | 43.249 | 0.927 | 0.0 | 43.975 | 1.323 | 0.0 | 43.88 | 1.165 | 0.0 | 42.921 | 1.409 | 0.0 | 45.144 | 0.917 | 0.0 | 41.675 | 1.16 |
| 189 | 16158 | 16159 | SN | 1 | 0.0 | 49.792 | 3.645 | 0.0 | 51.285 | 5.228 | 0.0 | 46.636 | 2.681 | 0.0 | 44.15 | 4.416 | 0.0 | 49.349 | 3.655 | 0.0 | 50.925 | 4.569 | 0.0 | 45.833 | 2.589 | 0.0 | 46.713 | 3.904 |
| 190 | 16158 | 16159 | NS | 1 | 0.0 | 48.588 | 2.109 | 0.0 | 51.79 | 3.032 | 0.0 | 46.804 | 2.13 | 0.0 | 46.439 | 2.924 | 0.0 | 47.801 | 2.111 | 0.0 | 53.918 | 2.883 | 0.0 | 47.948 | 2.082 | 0.0 | 47.27 | 2.697 |
| 191 | 16158 | 16159 | SN | 1 | 0.0 | 39.702 | 0.802 | 0.0 | 40.771 | 1.262 | 0.0 | 37.874 | 0.798 | 0.0 | 42.091 | 1.447 | 0.0 | 39.698 | 0.798 | 0.0 | 40.588 | 1.149 | 0.0 | 38.479 | 0.786 | 0.0 | 42.231 | 1.218 |
| 192 | 16158 | 16159 | NS | 1 | 0.0 | 49.142 | 8.722 | 0.0 | 54.812 | 11.013 | 0.0 | 43.311 | 7.233 | 0.0 | 48.491 | 8.849 | 0.0 | 50.545 | 8.752 | 0.0 | 55.688 | 10.718 | 0.0 | 43.476 | 7.211 | 0.0 | 47.284 | 8.386 |
| 193 | 16159 | 16160 | NS | 1 | 0.0 | 40.101 | 0.892 | 0.0 | 45.109 | 1.476 | 0.0 | 41.164 | 1.089 | 0.0 | 45.536 | 1.684 | 0.0 | 41.155 | 0.865 | 0.0 | 44.37 | 1.336 | 0.0 | 38.295 | 1.075 | 0.0 | 44.018 | 1.482 |
| 194 | 16159 | 16160 | SN | 1 | 0.0 | 54.099 | 7.928 | 0.0 | 48.995 | 9.32 | 0.0 | 41.69 | 6.383 | 0.0 | 47.491 | 8.015 | 0.0 | 55.421 | 7.999 | 0.0 | 49.315 | 8.924 | 0.0 | 41.228 | 6.574 | 0.0 | 45.058 | 7.844 |
| 195 | 16159 | 16160 | NS | 1 | 0.0 | 46.641 | 3.612 | 1.044 | 51.947 | 4.832 | 0.0 | 40.449 | 3.577 | 0.0 | 46.141 | 5.111 | 0.0 | 46.759 | 3.602 | 0.01 | 49.449 | 4.497 | 0.0 | 39.757 | 3.52 | 0.0 | 45.742 | 4.692 |
| 196 | 16159 | 16160 | SN | 1 | 0.0 | 47.136 | 2.076 | 0.0 | 43.314 | 2.766 | 0.0 | 46.039 | 1.927 | 0.0 | 46.334 | 2.571 | 0.0 | 46.42 | 2.026 | 0.0 | 44.239 | 2.617 | 0.0 | 46.189 | 1.936 | 0.0 | 45.058 | 2.47 |
| 197 | 16160 | 16161 | NS | 1 | 0.0 | 41.718 | 0.84 | 0.0 | 39.934 | 1.214 | 0.0 | 36.58 | 0.844 | 0.0 | 47.649 | 1.477 | 0.0 | 40.981 | 0.838 | 0.0 | 41.353 | 1.069 | 0.0 | 35.486 | 0.736 | 0.0 | 42.819 | 1.187 |
| 198 | 16160 | 16161 | SN | 1 | 0.0 | 47.31 | 1.346 | 0.0 | 46.622 | 1.611 | 0.0 | 40.548 | 1.257 | 0.0 | 42.713 | 1.666 | 0.0 | 48.445 | 1.348 | 0.0 | 46.765 | 1.547 | 0.0 | 40.822 | 1.23 | 0.0 | 42.225 | 1.455 |
| 199 | 16160 | 16161 | SN | 1 | 0.0 | 47.544 | 4.416 | 0.0 | 57.394 | 4.976 | 0.0 | 44.455 | 4.789 | 0.0 | 45.366 | 5.222 | 0.0 | 48.357 | 4.396 | 0.0 | 56.331 | 4.722 | 0.0 | 44.43 | 4.689 | 0.0 | 48.658 | 4.838 |
| 200 | 16160 | 16161 | NS | 1 | 0.0 | 44.834 | 2.425 | 0.325 | 43.853 | 3.948 | 0.0 | 43.847 | 2.588 | 0.0 | 41.353 | 4.4 | 0.0 | 45.158 | 2.395 | 0.811 | 44.634 | 3.613 | 0.0 | 43.327 | 2.467 | 0.0 | 42.824 | 3.796 |
| 201 | 16161 | 16162 | NS | 1 | 0.0 | 42.094 | 4.191 | 0.526 | 43.953 | 5.319 | 0.0 | 37.906 | 3.761 | 0.0 | 39.099 | 4.941 | 0.0 | 42.89 | 4.12 | 0.426 | 45.649 | 5.136 | 0.0 | 37.389 | 3.768 | 0.0 | 37.945 | 4.436 |
| 202 | 16161 | 16162 | SN | 1 | 0.0 | 41.195 | 2.816 | 0.0 | 47.923 | 4.265 | 0.0 | 44.585 | 2.902 | 0.0 | 44.817 | 4.034 | 0.0 | 40.736 | 2.745 | 0.0 | 46.252 | 3.96 | 0.0 | 42.927 | 2.668 | 0.0 | 40.581 | 3.55 |
| 203 | 16161 | 16162 | SN | 1 | 0.0 | 41.195 | 2.816 | 0.0 | 47.923 | 4.265 | 0.0 | 44.585 | 2.852 | 0.0 | 42.089 | 4.02 | 0.0 | 40.748 | 2.765 | 0.0 | 46.252 | 3.96 | 0.0 | 42.927 | 2.639 | 0.0 | 39.385 | 3.543 |
| 204 | 16161 | 16162 | NS | 1 | 0.0 | 36.121 | 1.1 | 0.0 | 42.414 | 1.53 | 0.0 | 36.82 | 1.279 | 0.0 | 39.141 | 1.814 | 0.0 | 36.047 | 1.078 | 0.0 | 45.534 | 1.399 | 0.0 | 35.041 | 1.173 | 0.0 | 38.664 | 1.567 |
| 205 | 16161 | 16162 | SN | 1 | 0.0 | 37.651 | 0.561 | 0.0 | 45.488 | 1.107 | 0.0 | 41.155 | 0.706 | 0.0 | 39.397 | 1.185 | 0.0 | 36.921 | 0.552 | 0.0 | 47.645 | 1.026 | 0.0 | 41.448 | 0.621 | 0.0 | 41.409 | 0.958 |
| 206 | 16161 | 16162 | SN | 1 | 0.0 | 38.228 | 0.568 | 0.0 | 45.488 | 1.107 | 0.0 | 41.155 | 0.705 | 0.0 | 39.397 | 1.194 | 0.0 | 37.136 | 0.559 | 0.0 | 47.645 | 1.028 | 0.0 | 41.448 | 0.611 | 0.0 | 41.409 | 0.965 |
| 207 | 16162 | 16163 | NS | 1 | 0.0 | 41.367 | 1.122 | 0.0 | 42.937 | 1.712 | 0.0 | 40.961 | 1.449 | 0.0 | 39.937 | 2.183 | 0.0 | 40.905 | 1.082 | 0.0 | 40.484 | 1.507 | 0.0 | 41.186 | 1.325 | 0.0 | 40.039 | 1.779 |
| 208 | 16162 | 16163 | SN | 1 | 0.0 | 47.044 | 3.625 | 0.0 | 47.403 | 4.926 | 0.0 | 42.365 | 3.944 | 0.0 | 43.437 | 5.096 | 0.0 | 47.78 | 3.696 | 0.0 | 45.603 | 4.855 | 0.0 | 42.354 | 3.923 | 0.0 | 41.374 | 4.654 |
| 209 | 16162 | 16163 | SN | 1 | 0.0 | 51.422 | 3.686 | 0.0 | 46.385 | 4.926 | 0.0 | 42.894 | 3.994 | 0.0 | 44.185 | 5.067 | 0.0 | 51.726 | 3.706 | 0.0 | 45.941 | 4.876 | 0.0 | 42.885 | 3.98 | 0.0 | 47.231 | 4.669 |
| 210 | 16162 | 16163 | NS | 1 | 0.0 | 43.639 | 3.854 | 0.0 | 50.049 | 4.887 | 0.0 | 37.931 | 4.557 | 0.0 | 47.88 | 6.167 | 0.0 | 43.705 | 3.702 | 0.0 | 49.237 | 4.502 | 0.0 | 38.785 | 4.365 | 0.0 | 50.823 | 5.357 |
| 211 | 16162 | 16163 | SN | 1 | 0.0 | 43.551 | 1.003 | 0.0 | 46.209 | 1.403 | 0.0 | 35.075 | 1.23 | 0.0 | 37.999 | 1.743 | 0.0 | 43.641 | 0.976 | 0.0 | 45.375 | 1.308 | 0.0 | 35.224 | 1.133 | 0.0 | 36.196 | 1.478 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|-------|
| 212 | 16162 | 16163 | NS | 1 | 0.0 | 43.639 | 3.854 | 0.0 | 50.049 | 4.887 | 0.0 | 37.931 | 4.557 | 0.0 | 47.88 | 6.167 | 0.0 | 43.705 | 3.702 | 0.0 | 49.237 | 4.502 | 0.0 | 38.785 | 4.365 | 0.0 | 50.823 | 5.357 |
| 213 | 16162 | 16163 | NS | 1 | 0.0 | 41.367 | 1.122 | 0.0 | 42.937 | 1.712 | 0.0 | 40.961 | 1.449 | 0.0 | 39.937 | 2.183 | 0.0 | 40.905 | 1.082 | 0.0 | 40.484 | 1.507 | 0.0 | 41.186 | 1.325 | 0.0 | 40.039 | 1.779 |
| 214 | 16162 | 16163 | SN | 1 | 0.0 | 39.323 | 1.003 | 0.0 | 41.806 | 1.39 | 0.0 | 35.723 | 1.243 | 0.0 | 38.281 | 1.728 | 0.0 | 39.94 | 0.981 | 0.0 | 41.049 | 1.324 | 0.0 | 36.0 | 1.128 | 0.0 | 39.516 | 1.469 |
| 215 | 16163 | 16164 | NS | 1 | 0.0 | 42.581 | 1.718 | 0.0 | 48.834 | 2.135 | 0.0 | 43.223 | 1.632 | 0.0 | 44.546 | 2.203 | 0.0 | 41.676 | 1.712 | 0.0 | 50.999 | 1.943 | 0.0 | 45.581 | 1.605 | 0.0 | 44.599 | 1.91 |
| 216 | 16163 | 16164 | SN | 1 | 0.0 | 46.908 | 1.096 | 0.0 | 40.552 | 1.765 | 0.0 | 37.136 | 1.179 | 0.0 | 37.854 | 1.943 | 0.0 | 48.33 | 1.141 | 0.0 | 37.957 | 1.652 | 0.0 | 39.27 | 1.13 | 0.0 | 35.088 | 1.626 |
| 217 | 16163 | 16164 | SN | 1 | 0.0 | 49.366 | 4.061 | 0.0 | 49.524 | 6.003 | 0.0 | 40.454 | 4.03 | 0.0 | 42.069 | 5.672 | 0.0 | 49.634 | 4.284 | 0.0 | 49.985 | 5.759 | 0.0 | 40.738 | 3.93 | 0.0 | 40.524 | 5.416 |
| 218 | 16163 | 16164 | SN | 1 | 0.0 | 47.088 | 1.091 | 0.0 | 46.054 | 1.778 | 0.0 | 37.637 | 1.165 | 0.0 | 37.854 | 1.961 | 0.0 | 48.509 | 1.109 | 0.0 | 43.6 | 1.675 | 0.0 | 37.816 | 1.124 | 0.0 | 36.809 | 1.629 |
| 219 | 16163 | 16164 | NS | 1 | 0.0 | 47.703 | 6.876 | 0.0 | 51.484 | 7.866 | 0.0 | 42.088 | 5.772 | 0.0 | 44.246 | 7.261 | 0.0 | 49.511 | 6.836 | 0.0 | 52.012 | 7.562 | 0.0 | 43.398 | 5.602 | 0.0 | 41.997 | 6.579 |
| 220 | 16163 | 16164 | NS | 1 | 0.0 | 47.705 | 6.886 | 0.0 | 51.441 | 7.957 | 0.0 | 42.089 | 5.687 | 0.0 | 44.374 | 7.226 | 0.0 | 49.512 | 6.876 | 0.0 | 51.97 | 7.633 | 0.0 | 43.4 | 5.538 | 0.0 | 42.126 | 6.551 |
| 221 | 16163 | 16164 | SN | 1 | 0.0 | 48.087 | 4.02 | 0.0 | 46.351 | 5.983 | 0.0 | 45.106 | 4.093 | 0.0 | 39.58 | 5.701 | 0.0 | 48.356 | 4.192 | 0.0 | 46.814 | 5.769 | 0.0 | 45.42 | 4.044 | 0.0 | 37.907 | 5.366 |
| 222 | 16163 | 16164 | NS | 1 | 0.0 | 42.377 | 1.718 | 0.0 | 48.984 | 2.155 | 0.0 | 43.646 | 1.641 | 0.0 | 44.417 | 2.213 | 0.0 | 41.657 | 1.703 | 0.0 | 51.148 | 1.965 | 0.0 | 46.001 | 1.609 | 0.0 | 44.582 | 1.917 |
| 223 | 16164 | 16165 | NS | 1 | 0.0 | 54.309 | 8.851 | 0.0 | 52.074 | 10.325 | 0.0 | 47.513 | 7.218 | 0.0 | 46.034 | 8.457 | 0.0 | 53.685 | 9.044 | 0.0 | 55.463 | 10.132 | 0.0 | 48.642 | 7.296 | 0.0 | 47.988 | 8.457 |
| 224 | 16164 | 16165 | NS | 1 | 0.0 | 45.985 | 2.619 | 0.0 | 50.489 | 3.127 | 0.0 | 44.94 | 1.897 | 0.0 | 45.553 | 2.649 | 0.0 | 47.399 | 2.716 | 0.0 | 48.996 | 3.03 | 0.0 | 44.006 | 1.918 | 0.0 | 47.694 | 2.532 |

| | | | | | |
|--------------------------|------------|------|--------|--------|------------|
| 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 | 16135 | 16136 | SN | 1 | 0.0 | 22.126 | 6.047 | 0.0 | 24.255 | 7.541 | 0.0 | 154.332 | 2.596 | 0.0 | 66.787 | 3.751 | 0.0 | 1.438 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 2 | 16135 | 16136 | SN | 1 | 0.0 | 28.044 | 13.69 | 0.0 | 27.305 | 13.214 | 0.0 | 147.565 | 11.624 | 0.0 | 73.912 | 13.643 | 0.0 | 1.455 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.138 | 0.0 |
| 3 | 16135 | 16136 | SN | 1 | 0.0 | 22.126 | 6.05 | 0.0 | 24.255 | 7.534 | 0.0 | 154.321 | 2.602 | 0.0 | 71.48 | 3.754 | 0.0 | 1.438 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 4 | 16135 | 16136 | SN | 1 | 0.0 | 22.126 | 6.138 | 0.0 | 24.255 | 7.528 | 0.0 | 154.321 | 2.673 | 0.0 | 12.988 | 3.609 | 0.0 | 1.438 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 5 | 16135 | 16136 | SN | 1 | 0.0 | 28.044 | 13.79 | 0.0 | 27.305 | 12.711 | 0.0 | 147.559 | 11.919 | 0.0 | 14.455 | 12.837 | 0.0 | 1.455 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.138 | 0.0 |
| 6 | 16135 | 16136 | SN | 1 | 0.0 | 28.044 | 13.7 | 0.0 | 27.305 | 13.235 | 0.0 | 147.559 | 11.61 | 0.0 | 73.912 | 13.635 | 0.0 | 1.455 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.138 | 0.0 |
| 7 | 16136 | 16137 | SN | 1 | 0.0 | 27.967 | 13.716 | 0.0 | 27.305 | 12.944 | 0.0 | 141.068 | 11.689 | 0.0 | 153.325 | 13.313 | 0.0 | 1.454 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.142 | 0.0 |
| 8 | 16136 | 16137 | SN | 1 | 0.0 | 27.967 | 13.684 | 0.0 | 27.332 | 13.174 | 0.0 | 141.068 | 11.6 | 0.0 | 153.325 | 13.613 | 0.0 | 1.454 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.142 | 0.0 |
| 9 | 16136 | 16137 | NS | 1 | 0.0 | 213.003 | 10.297 | 0.0 | 29.891 | 14.477 | 0.0 | 204.968 | 9.751 | 0.0 | 37.083 | 12.796 | 0.0 | 1.418 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.134 | 0.0 |
| 10 | 16136 | 16137 | NS | 1 | 0.0 | 191.781 | 6.139 | 0.0 | 24.597 | 6.911 | 0.0 | 243.126 | 2.136 | 0.0 | 49.922 | 3.077 | 0.0 | 1.44 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.135 | 0.0 |
| 11 | 16136 | 16137 | SN | 1 | 0.0 | 22.132 | 6.054 | 0.0 | 24.255 | 7.565 | 0.0 | 152.374 | 2.61 | 0.0 | 74.315 | 3.768 | 0.0 | 1.437 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.142 | 0.0 |
| 12 | 16136 | 16137 | NS | 1 | 0.0 | 213.003 | 10.297 | 0.0 | 29.891 | 14.477 | 0.0 | 204.968 | 9.751 | 0.0 | 37.083 | 12.796 | 0.0 | 1.418 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.134 | 0.0 |
| 13 | 16136 | 16137 | SN | 1 | 0.0 | 22.132 | 6.054 | 0.0 | 24.255 | 7.565 | 0.0 | 152.374 | 2.61 | 0.0 | 74.315 | 3.768 | 0.0 | 1.437 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.142 | 0.0 |
| 14 | 16136 | 16137 | SN | 1 | 0.0 | 22.132 | 6.076 | 0.0 | 24.255 | 7.558 | 0.0 | 152.374 | 2.629 | 0.0 | 13.721 | 3.663 | 0.0 | 1.437 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.142 | 0.0 |
| 15 | 16136 | 16137 | SN | 1 | 0.0 | 27.967 | 13.684 | 0.0 | 27.332 | 13.174 | 0.0 | 141.068 | 11.6 | 0.0 | 153.325 | 13.613 | 0.0 | 1.454 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.142 | 0.0 |
| 16 | 16136 | 16137 | NS | 1 | 0.0 | 191.781 | 6.139 | 0.0 | 24.597 | 6.911 | 0.0 | 243.126 | 2.136 | 0.0 | 49.922 | 3.077 | 0.0 | 1.44 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.135 | 0.0 |
| 17 | 16137 | 16138 | SN | 1 | 0.0 | 28.573 | 13.732 | 0.0 | 27.228 | 13.031 | 0.0 | 149.688 | 11.646 | 0.0 | 20.334 | 13.367 | 0.0 | 1.456 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 18 | 16137 | 16138 | NS | 1 | 0.0 | 45.342 | 6.113 | 0.0 | 24.602 | 6.914 | 0.0 | 298.855 | 2.119 | 0.0 | 57.902 | 3.098 | 0.0 | 1.441 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.133 | 0.0 |
| 19 | 16137 | 16138 | SN | 1 | 0.0 | 28.573 | 13.7 | 0.0 | 27.228 | 13.18 | 0.0 | 149.688 | 11.569 | 0.0 | 68.182 | 13.623 | 0.0 | 1.456 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 20 | 16137 | 16138 | SN | 1 | 0.0 | 22.126 | 6.085 | 0.0 | 24.244 | 7.541 | 0.0 | 147.344 | 2.621 | 0.0 | 49.315 | 3.828 | 0.0 | 1.44 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.143 | 0.0 |
| 21 | 16137 | 16138 | NS | 1 | 0.0 | 160.594 | 10.245 | 0.0 | 29.891 | 14.476 | 0.0 | 352.505 | 9.836 | 0.0 | 39.123 | 12.92 | 0.0 | 1.418 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.132 | 0.0 |
| 22 | 16137 | 16138 | NS | 1 | 0.0 | 160.594 | 10.275 | 0.0 | 29.891 | 14.476 | 0.0 | 352.505 | 9.836 | 0.0 | 39.118 | 12.934 | 0.0 | 1.418 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.132 | 0.0 |
| 23 | 16137 | 16138 | SN | 1 | 0.0 | 22.126 | 6.099 | 0.0 | 24.244 | 7.526 | 0.0 | 147.344 | 2.637 | 0.0 | 14.852 | 3.732 | 0.0 | 1.44 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.143 | 0.0 |
| 24 | 16137 | 16138 | SN | 1 | 0.0 | 22.126 | 6.099 | 0.0 | 24.244 | 7.526 | 0.0 | 147.344 | 2.637 | 0.0 | 14.852 | 3.732 | 0.0 | 1.44 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.143 | 0.0 |
| 25 | 16137 | 16138 | NS | 1 | 0.0 | 45.342 | 6.104 | 0.0 | 24.602 | 6.921 | 0.0 | 298.839 | 2.119 | 0.0 | 57.891 | 3.097 | 0.0 | 1.441 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.133 | 0.0 |
| 26 | 16137 | 16138 | SN | 1 | 0.0 | 28.573 | 13.732 | 0.0 | 27.228 | 13.031 | 0.0 | 149.688 | 11.646 | 0.0 | 20.334 | 13.367 | 0.0 | 1.456 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 27 | 16138 | 16139 | NS | 1 | 0.0 | 167.168 | 6.116 | 0.0 | 24.591 | 6.907 | 0.0 | 304.183 | 2.111 | 0.0 | 59.579 | 3.081 | 0.0 | 1.44 | 0.0 | 0.0 | 1.776 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.133 | 0.0 |
| 28 | 16138 | 16139 | SN | 1 | 0.0 | 28.485 | 13.726 | 0.0 | 69.266 | 13.201 | 0.0 | 193.031 | 11.545 | 0.0 | 106.376 | 13.594 | 0.0 | 1.454 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.138 | 0.0 |
| 29 | 16138 | 16139 | SN | 1 | 0.0 | 22.126 | 6.075 | 0.0 | 69.23 | 7.535 | 0.0 | 164.071 | 2.617 | 0.0 | 55.029 | 3.819 | 0.0 | 1.437 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.85 | 0.0 | 0.0 | 2.143 | 0.0 |
| 30 | 16138 | 16139 | SN | 1 | 0.0 | 22.126 | 6.075 | 0.0 | 69.23 | 7.535 | 0.0 | 164.071 | 2.617 | 0.0 | 55.023 | 3.819 | 0.0 | 1.437 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.85 | 0.0 | 0.0 | 2.143 | 0.0 |
| 31 | 16138 | 16139 | NS | 1 | 0.0 | 167.168 | 6.116 | 0.0 | 24.591 | 6.907 | 0.0 | 304.183 | 2.111 | 0.0 | 59.579 | 3.081 | 0.0 | 1.44 | 0.0 | 0.0 | 1.776 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.133 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|-----|---------|--------|-------|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-------|-------|-----|-----|-------|-----|-----|-------|-----|
| 32 | 16138 | 16139 | SN | 1 | 0.0 | 28.485 | 13.76 | 0.0 | 69.266 | 12.964 | 0.0 | 193.031 | 11.661 | 0.0 | 106.376 | 13.226 | 0.0 | 1.454 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.138 | 0.0 |
| 33 | 16138 | 16139 | SN | 1 | 0.0 | 28.485 | 13.726 | 0.0 | 69.266 | 13.201 | 0.0 | 193.031 | 11.545 | 0.0 | 106.376 | 13.594 | 0.0 | 1.454 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.138 | 0.0 |
| 34 | 16138 | 16139 | NS | 1 | 0.0 | 218.146 | 10.235 | 0.0 | 29.891 | 14.424 | 0.0 | 210.411 | 9.807 | 0.0 | 40.006 | 12.813 | 0.0 | 1.418 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.131 | 0.0 |
| 35 | 16138 | 16139 | SN | 1 | 0.0 | 22.126 | 6.098 | 0.0 | 69.23 | 7.523 | 0.0 | 164.071 | 2.639 | 0.0 | 13.699 | 3.702 | 0.0 | 1.437 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.85 | 0.0 | 0.0 | 2.143 | 0.0 |
| 36 | 16138 | 16139 | NS | 1 | 0.0 | 218.146 | 10.235 | 0.0 | 29.891 | 14.424 | 0.0 | 210.411 | 9.807 | 0.0 | 40.006 | 12.813 | 0.0 | 1.418 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.131 | 0.0 |
| 37 | 16139 | 16140 | SN | 1 | 0.0 | 28.579 | 13.641 | 0.0 | 27.172 | 13.153 | 0.0 | 177.219 | 11.635 | 0.0 | 47.821 | 13.549 | 0.0 | 1.455 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.144 | 0.0 |
| 38 | 16139 | 16140 | SN | 1 | 0.0 | 28.579 | 13.673 | 0.0 | 27.172 | 12.789 | 0.0 | 177.219 | 11.827 | 0.0 | 16.032 | 12.99 | 0.0 | 1.455 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.144 | 0.0 |
| 39 | 16139 | 16140 | NS | 1 | 0.0 | 24.558 | 10.205 | 0.0 | 29.891 | 14.415 | 0.0 | 327.147 | 9.73 | 0.0 | 35.395 | 12.867 | 0.0 | 1.42 | 0.0 | 0.0 | 1.776 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.133 | 0.0 |
| 40 | 16139 | 16140 | NS | 1 | 0.0 | 24.558 | 10.215 | 0.0 | 29.891 | 14.415 | 0.0 | 327.153 | 9.73 | 0.0 | 35.401 | 12.853 | 0.0 | 1.42 | 0.0 | 0.0 | 1.776 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.133 | 0.0 |
| 41 | 16139 | 16140 | SN | 1 | 0.0 | 28.579 | 13.641 | 0.0 | 27.172 | 13.153 | 0.0 | 177.219 | 11.635 | 0.0 | 47.821 | 13.549 | 0.0 | 1.455 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.144 | 0.0 |
| 42 | 16139 | 16140 | SN | 1 | 0.0 | 22.121 | 6.126 | 0.0 | 24.255 | 7.503 | 0.0 | 177.737 | 2.677 | 0.0 | 12.988 | 3.682 | 0.0 | 1.438 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.143 | 0.0 |
| 43 | 16139 | 16140 | NS | 1 | 0.0 | 57.348 | 6.102 | 0.0 | 24.597 | 6.921 | 0.0 | 326.623 | 2.114 | 0.0 | 72.064 | 3.065 | 0.0 | 1.44 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.134 | 0.0 |
| 44 | 16139 | 16140 | NS | 1 | 0.0 | 57.353 | 6.107 | 0.0 | 24.597 | 6.921 | 0.0 | 326.618 | 2.11 | 0.0 | 72.059 | 3.067 | 0.0 | 1.44 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.134 | 0.0 |
| 45 | 16139 | 16140 | SN | 1 | 0.0 | 22.121 | 6.082 | 0.0 | 24.255 | 7.515 | 0.0 | 177.737 | 2.636 | 0.0 | 71.899 | 3.813 | 0.0 | 1.438 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.143 | 0.0 |
| 46 | 16139 | 16140 | SN | 1 | 0.0 | 22.121 | 6.082 | 0.0 | 24.255 | 7.515 | 0.0 | 177.737 | 2.638 | 0.0 | 71.899 | 3.813 | 0.0 | 1.438 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.143 | 0.0 |
| 47 | 16140 | 16141 | SN | 1 | 0.0 | 22.104 | 6.075 | 0.0 | 197.677 | 7.515 | 0.0 | 179.397 | 2.63 | 0.0 | 77.853 | 3.764 | 0.0 | 1.438 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.143 | 0.0 |
| 48 | 16140 | 16141 | SN | 1 | 0.0 | 22.104 | 6.158 | 0.0 | 197.677 | 7.515 | 0.0 | 179.397 | 2.691 | 0.0 | 77.853 | 3.636 | 0.0 | 1.438 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.143 | 0.0 |
| 49 | 16140 | 16141 | SN | 1 | 0.0 | 28.496 | 13.641 | 0.673 | 123.329 | 13.205 | 0.0 | 186.572 | 11.663 | 0.0 | 162.243 | 13.52 | 0.0 | 1.455 | 0.0 | 0.002 | 1.788 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.143 | 0.0 |
| 50 | 16140 | 16141 | NS | 1 | 0.0 | 24.757 | 6.091 | 0.0 | 24.591 | 6.913 | 0.0 | 303.311 | 2.115 | 0.0 | 66.963 | 3.074 | 0.0 | 1.44 | 0.0 | 0.0 | 1.776 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.134 | 0.0 |
| 51 | 16140 | 16141 | SN | 1 | 0.0 | 22.104 | 6.075 | 0.0 | 197.677 | 7.513 | 0.0 | 179.397 | 2.63 | 0.0 | 77.853 | 3.764 | 0.0 | 1.438 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.143 | 0.0 |
| 52 | 16140 | 16141 | SN | 1 | 0.0 | 28.496 | 13.74 | 0.673 | 123.329 | 12.76 | 0.0 | 186.572 | 11.941 | 0.0 | 162.243 | 12.804 | 0.0 | 1.455 | 0.0 | 0.002 | 1.788 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.143 | 0.0 |
| 53 | 16140 | 16141 | NS | 1 | 0.0 | 269.333 | 10.236 | 0.0 | 29.88 | 14.506 | 0.0 | 332.91 | 9.71 | 0.0 | 35.77 | 12.838 | 0.0 | 1.419 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.131 | 0.0 |
| 54 | 16140 | 16141 | SN | 1 | 0.0 | 28.496 | 13.641 | 0.673 | 123.329 | 13.195 | 0.0 | 186.572 | 11.663 | 0.0 | 162.243 | 13.506 | 0.0 | 1.455 | 0.0 | 0.002 | 1.788 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.143 | 0.0 |
| 55 | 16140 | 16141 | NS | 1 | 0.0 | 258.066 | 10.302 | 0.0 | 29.88 | 14.459 | 0.0 | 339.269 | 9.756 | 0.0 | 36.145 | 12.753 | 0.0 | 1.418 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.134 | 0.0 |
| 56 | 16140 | 16141 | NS | 1 | 0.0 | 218.929 | 6.095 | 0.0 | 24.591 | 6.935 | 0.0 | 336.015 | 2.11 | 0.0 | 67.757 | 3.07 | 0.0 | 1.439 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.134 | 0.0 |
| 57 | 16141 | 16142 | SN | 1 | 0.0 | 27.989 | 13.67 | 0.0 | 27.288 | 13.235 | 0.0 | 144.923 | 11.602 | 0.0 | 134.312 | 13.514 | 0.0 | 1.454 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.141 | 0.0 |
| 58 | 16141 | 16142 | NS | 1 | 0.0 | 24.724 | 6.111 | 0.0 | 24.597 | 6.918 | 0.0 | 356.344 | 2.132 | 0.0 | 40.739 | 3.071 | 0.0 | 1.44 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.135 | 0.0 |
| 59 | 16141 | 16142 | SN | 1 | 0.0 | 22.115 | 6.188 | 0.0 | 192.702 | 7.514 | 0.0 | 153.88 | 2.699 | 0.0 | 134.312 | 3.608 | 0.0 | 1.438 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.141 | 0.0 |
| 60 | 16141 | 16142 | NS | 1 | 0.0 | 24.729 | 6.115 | 0.0 | 24.597 | 6.92 | 0.0 | 356.338 | 2.127 | 0.0 | 41.837 | 3.074 | 0.0 | 1.44 | 0.0 | 0.0 | 1.776 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.135 | 0.0 |
| 61 | 16141 | 16142 | SN | 1 | 0.0 | 27.989 | 13.804 | 0.0 | 26.786 | 12.614 | 0.0 | 144.923 | 11.985 | 0.0 | 134.312 | 12.561 | 0.0 | 1.454 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.141 | 0.0 |
| 62 | 16141 | 16142 | NS | 1 | 0.0 | 24.58 | 10.257 | 0.0 | 29.886 | 14.499 | 0.0 | 356.432 | 9.816 | 0.0 | 36.658 | 12.796 | 0.0 | 1.419 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.134 | 0.0 |
| 63 | 16141 | 16142 | SN | 1 | 0.0 | 22.115 | 6.073 | 0.0 | 192.702 | 7.52 | 0.0 | 153.88 | 2.606 | 0.0 | 134.312 | 3.76 | 0.0 | 1.438 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.141 | 0.0 |
| 64 | 16141 | 16142 | SN | 1 | 0.0 | 22.115 | 6.073 | 0.0 | 192.702 | 7.52 | 0.0 | 153.88 | 2.606 | 0.0 | 134.312 | 3.76 | 0.0 | 1.438 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.141 | 0.0 |
| 65 | 16141 | 16142 | NS | 1 | 0.0 | 24.575 | 10.266 | 0.0 | 29.886 | 14.489 | 0.0 | 356.432 | 9.809 | 0.0 | 36.658 | 12.789 | 0.0 | 1.419 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.134 | 0.0 |
| 66 | 16141 | 16142 | SN | 1 | 0.0 | 27.989 | 13.67 | 0.0 | 27.288 | 13.235 | 0.0 | 144.923 | 11.602 | 0.0 | 134.312 | 13.514 | 0.0 | 1.454 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.141 | 0.0 |
| 67 | 16142 | 16143 | NS | 1 | 0.0 | 254.082 | 6.146 | 0.0 | 24.597 | 6.916 | 0.0 | 175.942 | 2.136 | 0.0 | 43.469 | 3.071 | 0.0 | 1.442 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.135 | 0.0 |
| 68 | 16142 | 16143 | NS | 1 | 0.0 | 254.082 | 6.146 | 0.0 | 24.597 | 6.916 | 0.0 | 175.942 | 2.136 | 0.0 | 43.469 | 3.071 | 0.0 | 1.442 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.135 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-------|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-------|-------|-----|-----|-------|-----|-----|-------|-----|
| 69 | 16142 | 16143 | SN | 1 | 0.0 | 27.906 | 13.821 | 0.0 | 25.617 | 12.507 | 0.0 | 142.883 | 12.057 | 0.0 | 169.903 | 12.504 | 0.0 | 1.455 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.14 | 0.0 |
| 70 | 16142 | 16143 | SN | 1 | 0.0 | 22.126 | 6.05 | 0.0 | 24.227 | 7.515 | 0.0 | 147.135 | 2.59 | 0.0 | 168.307 | 3.738 | 0.0 | 1.438 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.142 | 0.0 |
| 71 | 16142 | 16143 | SN | 1 | 0.0 | 22.126 | 6.05 | 0.0 | 24.227 | 7.515 | 0.0 | 147.135 | 2.59 | 0.0 | 168.307 | 3.738 | 0.0 | 1.438 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.142 | 0.0 |
| 72 | 16142 | 16143 | SN | 1 | 0.0 | 27.906 | 13.643 | 0.0 | 27.244 | 13.235 | 0.0 | 142.883 | 11.572 | 0.0 | 169.903 | 13.556 | 0.0 | 1.455 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.14 | 0.0 |
| 73 | 16142 | 16143 | SN | 1 | 0.0 | 27.906 | 13.643 | 0.0 | 27.25 | 13.235 | 0.0 | 142.883 | 11.572 | 0.0 | 169.903 | 13.556 | 0.0 | 1.455 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.14 | 0.0 |
| 74 | 16142 | 16143 | SN | 1 | 0.0 | 22.126 | 6.244 | 0.0 | 24.227 | 7.524 | 0.0 | 147.135 | 2.739 | 0.0 | 168.307 | 3.584 | 0.0 | 1.438 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.142 | 0.0 |
| 75 | 16142 | 16143 | NS | 1 | 0.0 | 149.796 | 10.255 | 0.0 | 29.902 | 14.54 | 0.0 | 353.724 | 9.744 | 0.0 | 37.303 | 12.789 | 0.0 | 1.418 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.135 | 0.0 |
| 76 | 16142 | 16143 | NS | 1 | 0.0 | 149.796 | 10.255 | 0.0 | 29.902 | 14.54 | 0.0 | 353.724 | 9.744 | 0.0 | 37.303 | 12.789 | 0.0 | 1.418 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.135 | 0.0 |
| 77 | 16143 | 16144 | SN | 1 | 0.0 | 22.137 | 6.017 | 0.0 | 24.266 | 7.51 | 0.0 | 143.065 | 2.579 | 0.0 | 56.843 | 3.696 | 0.0 | 1.437 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.142 | 0.0 |
| 78 | 16143 | 16144 | NS | 1 | 0.0 | 24.58 | 10.252 | 0.0 | 29.891 | 14.6 | 0.0 | 352.516 | 9.856 | 0.0 | 35.985 | 12.92 | 0.0 | 1.419 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.132 | 0.0 |
| 79 | 16143 | 16144 | NS | 1 | 0.0 | 24.58 | 10.242 | 0.0 | 29.891 | 14.61 | 0.0 | 352.527 | 9.856 | 0.0 | 35.985 | 12.928 | 0.0 | 1.419 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.132 | 0.0 |
| 80 | 16143 | 16144 | SN | 1 | 0.0 | 28.54 | 13.591 | 0.0 | 27.266 | 13.14 | 0.0 | 153.256 | 11.541 | 0.0 | 69.627 | 13.574 | 0.0 | 1.454 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.142 | 0.0 |
| 81 | 16143 | 16144 | SN | 1 | 0.0 | 28.54 | 13.591 | 0.0 | 27.266 | 13.14 | 0.0 | 153.256 | 11.541 | 0.0 | 69.627 | 13.574 | 0.0 | 1.454 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.142 | 0.0 |
| 82 | 16143 | 16144 | SN | 1 | 0.0 | 22.137 | 6.017 | 0.0 | 24.266 | 7.51 | 0.0 | 143.065 | 2.579 | 0.0 | 56.843 | 3.696 | 0.0 | 1.437 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.142 | 0.0 |
| 83 | 16143 | 16144 | NS | 1 | 0.0 | 24.746 | 6.131 | 0.0 | 24.591 | 6.882 | 0.0 | 321.82 | 2.149 | 0.0 | 56.611 | 3.081 | 0.0 | 1.44 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.133 | 0.0 |
| 84 | 16143 | 16144 | NS | 1 | 0.0 | 24.746 | 6.131 | 0.0 | 24.591 | 6.885 | 0.0 | 321.82 | 2.149 | 0.0 | 54.328 | 3.084 | 0.0 | 1.44 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.133 | 0.0 |
| 85 | 16144 | 16145 | NS | 1 | 0.0 | 106.224 | 6.087 | 0.0 | 24.608 | 6.917 | 0.0 | 356.746 | 2.13 | 0.0 | 58.834 | 3.04 | 0.0 | 1.44 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.134 | 0.0 |
| 86 | 16144 | 16145 | NS | 1 | 0.0 | 200.23 | 10.287 | 0.0 | 29.908 | 14.681 | 0.0 | 356.746 | 9.817 | 0.0 | 71.132 | 12.925 | 0.0 | 1.42 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.131 | 0.0 |
| 87 | 16144 | 16145 | NS | 1 | 0.0 | 200.23 | 10.287 | 0.0 | 29.908 | 14.681 | 0.0 | 356.746 | 9.81 | 0.0 | 71.132 | 12.933 | 0.0 | 1.42 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.131 | 0.0 |
| 88 | 16144 | 16145 | SN | 1 | 0.0 | 28.513 | 13.638 | 0.673 | 43.119 | 13.144 | 0.0 | 160.111 | 11.695 | 0.0 | 159.204 | 13.607 | 0.0 | 1.454 | 0.0 | 0.002 | 1.786 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.141 | 0.0 |
| 89 | 16144 | 16145 | NS | 1 | 0.0 | 122.645 | 6.096 | 0.0 | 24.608 | 6.917 | 0.0 | 356.746 | 2.129 | 0.0 | 58.834 | 3.045 | 0.0 | 1.44 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.134 | 0.0 |
| 90 | 16144 | 16145 | SN | 1 | 0.0 | 22.143 | 6.025 | 0.0 | 43.119 | 7.504 | 0.0 | 140.655 | 2.601 | 0.0 | 66.872 | 3.719 | 0.0 | 1.437 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.142 | 0.0 |
| 91 | 16145 | 16146 | SN | 1 | 0.0 | 22.115 | 6.039 | 0.0 | 94.547 | 7.522 | 0.0 | 138.873 | 2.572 | 0.0 | 72.732 | 3.723 | 0.0 | 1.437 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.141 | 0.0 |
| 92 | 16145 | 16146 | NS | 1 | 0.0 | 24.564 | 10.225 | 0.0 | 29.908 | 14.712 | 0.0 | 272.802 | 9.832 | 0.0 | 73.217 | 12.925 | 0.0 | 1.418 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.131 | 0.0 |
| 93 | 16145 | 16146 | SN | 1 | 0.0 | 28.821 | 13.63 | 0.667 | 128.138 | 13.195 | 0.0 | 149.219 | 11.586 | 0.0 | 65.441 | 13.585 | 0.0 | 1.454 | 0.0 | 0.002 | 1.787 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.143 | 0.0 |
| 94 | 16145 | 16146 | NS | 1 | 0.0 | 24.746 | 6.087 | 0.0 | 24.613 | 6.901 | 0.0 | 318.764 | 2.146 | 0.0 | 60.869 | 3.015 | 0.0 | 1.439 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.136 | 0.0 |
| 95 | 16146 | 16147 | SN | 1 | 0.0 | 28.502 | 13.61 | 0.673 | 27.172 | 13.184 | 0.0 | 145.486 | 11.606 | 0.0 | 76.512 | 13.592 | 0.0 | 1.453 | 0.0 | 0.002 | 1.786 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.141 | 0.0 |
| 96 | 16146 | 16147 | NS | 1 | 0.0 | 24.74 | 6.138 | 0.0 | 24.597 | 6.909 | 0.0 | 139.51 | 2.126 | 0.0 | 46.966 | 3.06 | 0.0 | 1.44 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.134 | 0.0 |
| 97 | 16146 | 16147 | NS | 1 | 0.0 | 24.58 | 10.296 | 0.0 | 29.891 | 14.414 | 0.0 | 139.51 | 9.856 | 0.0 | 19.198 | 12.628 | 0.0 | 1.419 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.134 | 0.0 |
| 98 | 16146 | 16147 | NS | 1 | 0.0 | 24.74 | 6.196 | 0.0 | 24.597 | 6.905 | 0.0 | 139.51 | 2.162 | 0.0 | 12.398 | 2.986 | 0.0 | 1.44 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.134 | 0.0 |
| 99 | 16146 | 16147 | SN | 1 | 0.0 | 28.502 | 13.61 | 0.673 | 27.172 | 13.184 | 0.0 | 145.486 | 11.606 | 0.0 | 76.512 | 13.592 | 0.0 | 1.453 | 0.0 | 0.002 | 1.786 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.141 | 0.0 |
| 100 | 16146 | 16147 | SN | 1 | 0.0 | 22.104 | 6.046 | 0.0 | 24.238 | 7.493 | 0.0 | 163.989 | 2.583 | 0.0 | 70.52 | 3.716 | 0.0 | 1.437 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.142 | 0.0 |
| 101 | 16146 | 16147 | SN | 1 | 0.0 | 22.104 | 6.046 | 0.0 | 24.238 | 7.493 | 0.0 | 163.989 | 2.583 | 0.0 | 70.52 | 3.716 | 0.0 | 1.437 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.142 | 0.0 |
| 102 | 16146 | 16147 | NS | 1 | 0.0 | 24.58 | 10.279 | 0.0 | 29.891 | 14.615 | 0.0 | 139.51 | 9.741 | 0.0 | 68.607 | 12.934 | 0.0 | 1.419 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.134 | 0.0 |
| 103 | 16147 | 16148 | SN | 1 | 0.0 | 22.132 | 6.06 | 0.0 | 229.785 | 7.499 | 0.0 | 151.773 | 2.592 | 0.0 | 274.126 | 3.735 | 0.0 | 1.438 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.14 | 0.0 |
| 104 | 16147 | 16148 | NS | 1 | 0.0 | 235.571 | 6.161 | 0.0 | 24.597 | 6.907 | 0.0 | 308.699 | 2.139 | 0.0 | 55.321 | 3.067 | 0.0 | 1.441 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.134 | 0.0 |
| 105 | 16147 | 16148 | NS | 1 | 0.0 | 235.571 | 6.302 | 0.0 | 24.597 | 6.938 | 0.0 | 308.699 | 2.244 | 0.0 | 11.675 | 3.016 | 0.0 | 1.441 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.134 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-------|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-------|-------|-----|-----|-------|-----|-----|-------|-----|
| 106 | 16147 | 16148 | NS | 1 | 0.0 | 235.571 | 6.161 | 0.0 | 24.597 | 6.907 | 0.0 | 308.699 | 2.139 | 0.0 | 55.321 | 3.067 | 0.0 | 1.441 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.134 | 0.0 |
| 107 | 16147 | 16148 | NS | 1 | 0.0 | 81.151 | 10.368 | 0.0 | 29.902 | 14.14 | 0.0 | 136.014 | 10.207 | 0.0 | 13.639 | 12.296 | 0.0 | 1.419 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.134 | 0.0 |
| 108 | 16147 | 16148 | NS | 1 | 0.0 | 81.151 | 10.275 | 0.0 | 29.902 | 14.601 | 0.0 | 136.014 | 9.786 | 0.0 | 36.895 | 12.875 | 0.0 | 1.419 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.134 | 0.0 |
| 109 | 16147 | 16148 | SN | 1 | 0.0 | 27.994 | 13.599 | 0.0 | 229.813 | 13.245 | 0.0 | 159.957 | 11.574 | 0.0 | 221.011 | 13.598 | 0.0 | 1.455 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.85 | 0.0 | 0.0 | 2.14 | 0.0 |
| 110 | 16147 | 16148 | NS | 1 | 0.0 | 81.151 | 10.275 | 0.0 | 29.902 | 14.601 | 0.0 | 136.014 | 9.786 | 0.0 | 36.895 | 12.875 | 0.0 | 1.419 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.134 | 0.0 |
| 111 | 16148 | 16149 | NS | 1 | 0.0 | 263.84 | 10.25 | 0.0 | 29.897 | 14.735 | 0.0 | 349.312 | 9.869 | 0.0 | 73.476 | 12.902 | 0.0 | 1.418 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.133 | 0.0 |
| 112 | 16148 | 16149 | NS | 1 | 0.0 | 54.921 | 6.164 | 0.0 | 24.602 | 6.935 | 0.0 | 312.312 | 2.147 | 0.0 | 53.501 | 3.086 | 0.0 | 1.441 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.134 | 0.0 |
| 113 | 16148 | 16149 | SN | 1 | 0.0 | 124.369 | 13.768 | 0.0 | 236.58 | 13.336 | 0.0 | 149.142 | 11.63 | 0.0 | 235.231 | 13.69 | 0.0 | 1.454 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.139 | 0.0 |
| 114 | 16148 | 16149 | NS | 1 | 0.0 | 263.84 | 10.436 | 0.0 | 29.897 | 14.1 | 0.0 | 349.312 | 10.795 | 0.0 | 13.6 | 12.068 | 0.0 | 1.418 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.133 | 0.0 |
| 115 | 16148 | 16149 | NS | 1 | 0.0 | 263.84 | 10.25 | 0.0 | 29.897 | 14.735 | 0.0 | 349.312 | 9.869 | 0.0 | 73.476 | 12.902 | 0.0 | 1.418 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.133 | 0.0 |
| 116 | 16148 | 16149 | SN | 1 | 0.0 | 124.369 | 13.768 | 0.0 | 236.574 | 13.336 | 0.0 | 149.12 | 11.652 | 0.0 | 235.237 | 13.683 | 0.0 | 1.455 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.139 | 0.0 |
| 117 | 16148 | 16149 | NS | 1 | 0.0 | 54.921 | 6.164 | 0.0 | 24.602 | 6.935 | 0.0 | 312.312 | 2.147 | 0.0 | 53.501 | 3.088 | 0.0 | 1.441 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.134 | 0.0 |
| 118 | 16148 | 16149 | SN | 1 | 0.0 | 124.369 | 6.063 | 0.0 | 68.753 | 7.542 | 0.0 | 144.752 | 2.634 | 0.0 | 235.237 | 3.735 | 0.0 | 1.438 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.141 | 0.0 |
| 119 | 16148 | 16149 | SN | 1 | 0.0 | 124.369 | 6.058 | 0.0 | 68.753 | 7.547 | 0.0 | 144.796 | 2.632 | 0.0 | 242.117 | 3.737 | 0.0 | 1.437 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.141 | 0.0 |
| 120 | 16148 | 16149 | NS | 1 | 0.0 | 54.921 | 6.437 | 0.0 | 24.602 | 7.048 | 0.0 | 312.312 | 2.366 | 0.0 | 12.74 | 3.16 | 0.0 | 1.441 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.134 | 0.0 |
| 121 | 16149 | 16150 | SN | 1 | 0.0 | 28.43 | 13.793 | 0.0 | 27.266 | 12.817 | 0.0 | 150.653 | 12.081 | 0.0 | 243.876 | 13.255 | 0.0 | 1.454 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.14 | 0.0 |
| 122 | 16149 | 16150 | SN | 1 | 0.0 | 28.43 | 13.655 | 0.0 | 27.266 | 13.18 | 0.0 | 150.653 | 11.588 | 0.0 | 243.876 | 13.702 | 0.0 | 1.454 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.14 | 0.0 |
| 123 | 16149 | 16150 | SN | 1 | 0.0 | 28.43 | 14.262 | 0.0 | 22.898 | 12.017 | 0.0 | 150.653 | 12.863 | 0.0 | 243.876 | 12.142 | 0.0 | 1.454 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.14 | 0.0 |
| 124 | 16149 | 16150 | SN | 1 | 0.0 | 22.121 | 6.267 | 0.0 | 24.266 | 7.582 | 0.0 | 140.715 | 2.747 | 0.0 | 73.104 | 3.563 | 0.0 | 1.437 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.14 | 0.0 |
| 125 | 16149 | 16150 | SN | 1 | 0.0 | 22.121 | 5.853 | 0.0 | 24.266 | 7.453 | 0.0 | 140.715 | 2.612 | 0.0 | 73.104 | 3.621 | 0.0 | 1.437 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.14 | 0.0 |
| 126 | 16149 | 16150 | NS | 1 | 0.0 | 219.05 | 6.625 | 0.0 | 24.608 | 7.076 | 0.0 | 355.687 | 2.513 | 0.0 | 12.811 | 3.369 | 0.0 | 1.441 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.134 | 0.0 |
| 127 | 16149 | 16150 | NS | 1 | 0.0 | 24.564 | 10.261 | 0.0 | 29.913 | 14.671 | 0.0 | 187.496 | 9.819 | 0.0 | 35.677 | 12.871 | 0.0 | 1.418 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.134 | 0.0 |
| 128 | 16149 | 16150 | NS | 1 | 0.0 | 158.236 | 10.281 | 0.0 | 29.913 | 14.661 | 0.0 | 187.496 | 9.812 | 0.0 | 35.677 | 12.871 | 0.0 | 1.418 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.134 | 0.0 |
| 129 | 16149 | 16150 | NS | 1 | 0.0 | 96.286 | 6.164 | 0.0 | 24.608 | 6.896 | 0.0 | 355.687 | 2.14 | 0.0 | 55.779 | 3.083 | 0.0 | 1.441 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.134 | 0.0 |
| 130 | 16149 | 16150 | NS | 1 | 0.0 | 219.05 | 6.164 | 0.0 | 24.608 | 6.896 | 0.0 | 355.687 | 2.14 | 0.0 | 55.779 | 3.081 | 0.0 | 1.441 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.134 | 0.0 |
| 131 | 16149 | 16150 | SN | 1 | 0.0 | 22.121 | 6.017 | 0.0 | 24.266 | 7.542 | 0.0 | 140.715 | 2.543 | 0.0 | 73.104 | 3.689 | 0.0 | 1.437 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.14 | 0.0 |
| 132 | 16149 | 16150 | NS | 1 | 0.0 | 24.564 | 10.551 | 0.0 | 29.913 | 14.029 | 0.0 | 187.496 | 11.387 | 0.0 | 13.594 | 12.179 | 0.0 | 1.418 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.134 | 0.0 |
| 133 | 16150 | 16151 | SN | 1 | 0.0 | 28.948 | 13.549 | 0.673 | 27.167 | 13.134 | 0.0 | 157.31 | 11.663 | 0.0 | 77.053 | 13.656 | 0.0 | 1.453 | 0.0 | 0.002 | 1.786 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.135 | 0.0 |
| 134 | 16150 | 16151 | SN | 1 | 0.0 | 22.115 | 6.039 | 0.0 | 24.283 | 7.541 | 0.0 | 138.647 | 2.561 | 0.0 | 122.996 | 3.7 | 0.0 | 1.436 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.142 | 0.0 |
| 135 | 16150 | 16151 | SN | 1 | 0.0 | 28.948 | 13.593 | 0.673 | 27.167 | 12.89 | 0.0 | 157.31 | 11.81 | 0.0 | 77.053 | 13.192 | 0.0 | 1.453 | 0.0 | 0.002 | 1.786 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.135 | 0.0 |
| 136 | 16150 | 16151 | SN | 1 | 0.0 | 22.115 | 6.039 | 0.0 | 24.283 | 7.541 | 0.0 | 138.647 | 2.563 | 0.0 | 122.996 | 3.702 | 0.0 | 1.436 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.142 | 0.0 |
| 137 | 16150 | 16151 | NS | 1 | 0.0 | 53.457 | 6.167 | 0.0 | 24.597 | 6.914 | 0.0 | 355.5 | 2.157 | 0.0 | 60.362 | 3.047 | 0.0 | 1.44 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.135 | 0.0 |
| 138 | 16150 | 16151 | NS | 1 | 0.0 | 157.856 | 10.204 | 0.0 | 29.897 | 14.74 | 0.0 | 146.283 | 9.836 | 0.0 | 32.963 | 12.93 | 0.0 | 1.417 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.132 | 0.0 |
| 139 | 16150 | 16151 | SN | 1 | 0.0 | 22.115 | 6.076 | 0.0 | 24.283 | 7.543 | 0.0 | 138.647 | 2.594 | 0.0 | 122.996 | 3.576 | 0.0 | 1.436 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.142 | 0.0 |
| 140 | 16150 | 16151 | SN | 1 | 0.0 | 28.948 | 13.549 | 0.673 | 27.167 | 13.134 | 0.0 | 157.31 | 11.663 | 0.0 | 77.053 | 13.656 | 0.0 | 1.453 | 0.0 | 0.002 | 1.786 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.135 | 0.0 |
| 141 | 16151 | 16152 | NS | 1 | 0.0 | 151.001 | 10.184 | 0.0 | 29.902 | 14.588 | 0.0 | 355.174 | 9.857 | 0.0 | 35.616 | 12.943 | 0.0 | 1.418 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.132 | 0.0 |
| 142 | 16151 | 16152 | NS | 1 | 0.0 | 200.707 | 10.301 | 0.0 | 33.476 | 14.544 | 0.0 | 212.022 | 9.877 | 0.0 | 75.043 | 12.913 | 0.0 | 1.418 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.131 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-------|---------|--------|-------|---------|--------|-----|---------|--------|-----|---------|--------|-------|-------|-----|-------|-------|-----|-----|-------|-----|-----|-------|-----|
| 143 | 16151 | 16152 | SN | 1 | 0.0 | 28.772 | 13.677 | 0.667 | 43.114 | 13.025 | 0.0 | 146.622 | 11.74 | 0.0 | 224.935 | 13.43 | 0.0 | 1.454 | 0.0 | 0.003 | 1.787 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.142 | 0.0 |
| 144 | 16151 | 16152 | SN | 1 | 0.0 | 29.025 | 13.688 | 0.673 | 43.119 | 13.025 | 0.0 | 146.677 | 11.74 | 0.0 | 224.935 | 13.423 | 0.0 | 1.453 | 0.0 | 0.003 | 1.787 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.142 | 0.0 |
| 145 | 16151 | 16152 | SN | 1 | 0.0 | 29.025 | 13.671 | 0.673 | 43.119 | 13.144 | 0.0 | 146.677 | 11.656 | 0.0 | 224.935 | 13.678 | 0.0 | 1.453 | 0.0 | 0.003 | 1.787 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.142 | 0.0 |
| 146 | 16151 | 16152 | NS | 1 | 0.0 | 255.642 | 6.134 | 0.0 | 24.602 | 6.933 | 0.0 | 217.313 | 2.151 | 0.0 | 62.408 | 3.056 | 0.0 | 1.441 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.135 | 0.0 |
| 147 | 16151 | 16152 | NS | 1 | 0.0 | 79.526 | 6.132 | 0.0 | 24.597 | 6.907 | 0.0 | 255.289 | 2.147 | 0.0 | 53.286 | 3.059 | 0.0 | 1.441 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.133 | 0.0 |
| 148 | 16151 | 16152 | SN | 1 | 0.0 | 22.121 | 6.052 | 0.0 | 43.114 | 7.555 | 0.0 | 141.107 | 2.612 | 0.0 | 43.353 | 3.642 | 0.0 | 1.437 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 149 | 16151 | 16152 | SN | 1 | 0.0 | 22.121 | 6.063 | 0.0 | 144.319 | 7.563 | 0.0 | 141.228 | 2.614 | 0.0 | 14.521 | 3.641 | 0.0 | 1.436 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 150 | 16151 | 16152 | SN | 1 | 0.0 | 22.121 | 6.047 | 0.0 | 144.319 | 7.568 | 0.0 | 141.228 | 2.601 | 0.0 | 119.596 | 3.735 | 0.0 | 1.436 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 151 | 16152 | 16153 | SN | 1 | 0.667 | 28.656 | 13.659 | 0.0 | 28.565 | 13.258 | 0.0 | 171.434 | 11.574 | 0.0 | 169.6 | 13.597 | 0.001 | 1.454 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.139 | 0.0 |
| 152 | 16152 | 16153 | SN | 1 | 0.0 | 22.099 | 6.063 | 0.0 | 129.156 | 7.535 | 0.0 | 165.395 | 2.588 | 0.0 | 223.851 | 3.761 | 0.0 | 1.438 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.142 | 0.0 |
| 153 | 16152 | 16153 | NS | 1 | 0.0 | 24.58 | 10.295 | 0.0 | 29.891 | 14.469 | 0.0 | 135.341 | 9.772 | 0.0 | 36.719 | 12.782 | 0.0 | 1.418 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.132 | 0.0 |
| 154 | 16152 | 16153 | NS | 1 | 0.0 | 24.729 | 6.117 | 0.0 | 24.591 | 6.934 | 0.0 | 151.05 | 2.127 | 0.0 | 61.294 | 3.059 | 0.0 | 1.439 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.133 | 0.0 |
| 155 | 16152 | 16153 | NS | 1 | 0.0 | 24.58 | 10.295 | 0.0 | 29.891 | 14.469 | 0.0 | 135.341 | 9.772 | 0.0 | 36.719 | 12.782 | 0.0 | 1.418 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.132 | 0.0 |
| 156 | 16152 | 16153 | NS | 1 | 0.0 | 24.729 | 6.117 | 0.0 | 24.591 | 6.934 | 0.0 | 151.05 | 2.127 | 0.0 | 61.294 | 3.059 | 0.0 | 1.439 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.133 | 0.0 |
| 157 | 16152 | 16153 | SN | 1 | 0.0 | 28.656 | 13.694 | 0.0 | 28.565 | 13.05 | 0.0 | 171.434 | 11.659 | 0.0 | 169.6 | 13.296 | 0.0 | 1.454 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.139 | 0.0 |
| 158 | 16152 | 16153 | SN | 1 | 0.0 | 22.099 | 6.063 | 0.0 | 129.156 | 7.535 | 0.0 | 165.395 | 2.588 | 0.0 | 223.851 | 3.761 | 0.0 | 1.438 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.142 | 0.0 |
| 159 | 16152 | 16153 | SN | 1 | 0.667 | 28.656 | 13.659 | 0.0 | 28.565 | 13.258 | 0.0 | 171.434 | 11.574 | 0.0 | 169.6 | 13.597 | 0.001 | 1.454 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.139 | 0.0 |
| 160 | 16152 | 16153 | SN | 1 | 0.0 | 22.099 | 6.08 | 0.0 | 129.156 | 7.535 | 0.0 | 165.395 | 2.606 | 0.0 | 223.851 | 3.654 | 0.0 | 1.438 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.142 | 0.0 |
| 161 | 16153 | 16154 | SN | 1 | 0.0 | 22.126 | 6.108 | 0.0 | 199.502 | 7.514 | 0.0 | 182.431 | 2.639 | 0.0 | 188.034 | 3.619 | 0.0 | 1.437 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.142 | 0.0 |
| 162 | 16153 | 16154 | SN | 1 | 0.0 | 22.132 | 6.061 | 0.0 | 199.502 | 7.524 | 0.0 | 182.359 | 2.601 | 0.0 | 188.028 | 3.763 | 0.0 | 1.437 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.142 | 0.0 |
| 163 | 16153 | 16154 | SN | 1 | 0.0 | 28.684 | 13.655 | 0.0 | 180.112 | 13.237 | 0.0 | 170.072 | 11.589 | 0.0 | 70.586 | 13.568 | 0.0 | 1.454 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.14 | 0.0 |
| 164 | 16153 | 16154 | SN | 1 | 0.0 | 28.689 | 13.69 | 0.0 | 180.112 | 12.882 | 0.0 | 170.105 | 11.74 | 0.0 | 48.353 | 13.094 | 0.0 | 1.453 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.14 | 0.0 |
| 165 | 16153 | 16154 | NS | 1 | 0.0 | 24.569 | 10.272 | 0.0 | 29.891 | 14.53 | 0.0 | 347.503 | 9.87 | 0.0 | 34.91 | 12.871 | 0.0 | 1.419 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.132 | 0.0 |
| 166 | 16153 | 16154 | NS | 1 | 0.0 | 24.729 | 6.099 | 0.0 | 24.597 | 6.926 | 0.0 | 352.014 | 2.144 | 0.0 | 58.641 | 3.072 | 0.0 | 1.44 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.134 | 0.0 |
| 167 | 16153 | 16154 | NS | 1 | 0.0 | 24.729 | 6.103 | 0.0 | 24.597 | 6.923 | 0.0 | 310.343 | 2.132 | 0.0 | 50.523 | 3.055 | 0.0 | 1.439 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.132 | 0.0 |
| 168 | 16153 | 16154 | NS | 1 | 0.0 | 24.564 | 10.336 | 0.0 | 29.891 | 14.448 | 0.0 | 352.18 | 9.744 | 0.0 | 37.105 | 12.811 | 0.0 | 1.419 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.131 | 0.0 |
| 169 | 16154 | 16155 | SN | 1 | 0.0 | 22.137 | 6.071 | 0.0 | 188.765 | 7.519 | 0.0 | 179.122 | 2.597 | 0.0 | 53.027 | 3.763 | 0.0 | 1.437 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.142 | 0.0 |
| 170 | 16154 | 16155 | SN | 1 | 0.0 | 28.38 | 13.664 | 0.0 | 123.462 | 13.27 | 0.0 | 183.738 | 11.655 | 0.0 | 67.349 | 13.533 | 0.0 | 1.453 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.141 | 0.0 |
| 171 | 16154 | 16155 | NS | 1 | 0.0 | 219.869 | 10.29 | 0.827 | 29.891 | 14.586 | 0.0 | 324.147 | 9.856 | 0.0 | 76.802 | 12.846 | 0.0 | 1.419 | 0.0 | 0.003 | 1.778 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.132 | 0.0 |
| 172 | 16154 | 16155 | NS | 1 | 0.0 | 203.341 | 6.111 | 0.0 | 24.597 | 6.926 | 0.0 | 322.057 | 2.133 | 0.0 | 55.547 | 3.061 | 0.0 | 1.438 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.134 | 0.0 |
| 173 | 16155 | 16156 | SN | 1 | 0.0 | 22.104 | 6.077 | 0.0 | 24.233 | 7.53 | 0.0 | 139.094 | 2.594 | 0.0 | 62.667 | 3.72 | 0.0 | 1.437 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.143 | 0.0 |
| 174 | 16155 | 16156 | NS | 1 | 0.0 | 24.746 | 6.127 | 0.0 | 24.597 | 6.932 | 0.0 | 311.926 | 2.142 | 0.0 | 64.377 | 3.042 | 0.0 | 1.439 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.133 | 0.0 |
| 175 | 16155 | 16156 | SN | 1 | 0.0 | 28.568 | 13.736 | 0.0 | 27.261 | 12.739 | 0.0 | 149.153 | 11.943 | 0.0 | 135.481 | 12.696 | 0.0 | 1.453 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.139 | 0.0 |
| 176 | 16155 | 16156 | SN | 1 | 0.0 | 28.568 | 13.633 | 0.0 | 27.266 | 13.22 | 0.0 | 149.092 | 11.594 | 0.0 | 242.376 | 13.518 | 0.0 | 1.453 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.139 | 0.0 |
| 177 | 16155 | 16156 | NS | 1 | 0.0 | 24.569 | 10.291 | 0.827 | 29.897 | 14.654 | 0.0 | 348.827 | 9.848 | 0.0 | 35.759 | 12.857 | 0.0 | 1.418 | 0.0 | 0.003 | 1.779 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.132 | 0.0 |
| 178 | 16155 | 16156 | SN | 1 | 0.0 | 22.104 | 6.192 | 0.0 | 24.233 | 7.518 | 0.0 | 140.081 | 2.658 | 0.0 | 117.064 | 3.568 | 0.0 | 1.437 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.143 | 0.0 |
| 179 | 16155 | 16156 | NS | 1 | 0.0 | 24.746 | 6.113 | 0.0 | 24.597 | 6.921 | 0.0 | 354.788 | 2.144 | 0.0 | 64.377 | 3.052 | 0.0 | 1.439 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.134 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-------|-------|-----|-----|-------|-----|-----|-------|-----|
| 180 | 16155 | 16156 | NS | 1 | 0.0 | 24.569 | 10.224 | 0.0 | 29.897 | 14.667 | 0.0 | 355.235 | 9.881 | 0.0 | 88.052 | 12.928 | 0.0 | 1.418 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.131 | 0.0 |
| 181 | 16156 | 16157 | SN | 1 | 0.0 | 22.11 | 6.054 | 0.0 | 69.707 | 7.505 | 0.0 | 132.211 | 2.574 | 0.0 | 74.149 | 3.716 | 0.0 | 1.437 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.14 | 0.0 |
| 182 | 16156 | 16157 | NS | 1 | 0.0 | 264.91 | 10.223 | 0.0 | 29.902 | 14.784 | 0.0 | 355.003 | 9.874 | 0.0 | 69.064 | 13.015 | 0.0 | 1.419 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.132 | 0.0 |
| 183 | 16156 | 16157 | NS | 1 | 0.0 | 198.135 | 6.138 | 0.0 | 24.597 | 6.901 | 0.0 | 355.792 | 2.15 | 0.0 | 61.112 | 3.041 | 0.0 | 1.44 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.135 | 0.0 |
| 184 | 16156 | 16157 | SN | 1 | 0.0 | 28.082 | 13.62 | 0.0 | 72.156 | 13.174 | 0.0 | 150.069 | 11.621 | 0.0 | 66.268 | 13.55 | 0.0 | 1.453 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.141 | 0.0 |
| 185 | 16157 | 16158 | NS | 1 | 0.0 | 24.564 | 10.292 | 0.0 | 29.902 | 14.696 | 0.0 | 178.264 | 9.878 | 0.0 | 68.75 | 12.949 | 0.0 | 1.419 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.132 | 0.0 |
| 186 | 16157 | 16158 | SN | 1 | 0.0 | 28.706 | 13.548 | 0.0 | 179.433 | 13.259 | 0.0 | 151.844 | 11.68 | 0.0 | 153.37 | 13.597 | 0.0 | 1.454 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.85 | 0.0 | 0.0 | 2.139 | 0.0 |
| 187 | 16157 | 16158 | NS | 1 | 0.0 | 24.74 | 6.159 | 0.0 | 24.597 | 6.892 | 0.0 | 302.82 | 2.151 | 0.0 | 40.657 | 3.044 | 0.0 | 1.441 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.133 | 0.0 |
| 188 | 16157 | 16158 | SN | 1 | 0.0 | 22.115 | 6.033 | 0.0 | 116.016 | 7.533 | 0.0 | 153.538 | 2.539 | 0.0 | 153.347 | 3.683 | 0.0 | 1.437 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.14 | 0.0 |
| 189 | 16158 | 16159 | SN | 1 | 0.0 | 28.49 | 13.578 | 0.0 | 128.844 | 13.289 | 0.0 | 160.106 | 11.603 | 0.0 | 66.114 | 13.583 | 0.0 | 1.454 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.14 | 0.0 |
| 190 | 16158 | 16159 | NS | 1 | 0.0 | 159.182 | 6.122 | 0.0 | 24.613 | 6.908 | 0.0 | 294.769 | 2.148 | 0.0 | 57.99 | 3.021 | 0.0 | 1.442 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.134 | 0.0 |
| 191 | 16158 | 16159 | SN | 1 | 0.0 | 22.11 | 6.031 | 0.0 | 128.789 | 7.535 | 0.0 | 151.486 | 2.513 | 0.0 | 70.013 | 3.669 | 0.0 | 1.437 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.14 | 0.0 |
| 192 | 16158 | 16159 | NS | 1 | 0.0 | 211.36 | 10.295 | 0.0 | 29.924 | 14.714 | 0.0 | 136.301 | 9.821 | 0.0 | 36.995 | 12.939 | 0.0 | 1.419 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.132 | 0.0 |
| 193 | 16159 | 16160 | NS | 1 | 0.0 | 24.746 | 6.108 | 0.0 | 24.613 | 6.933 | 0.0 | 306.438 | 2.157 | 0.0 | 48.83 | 2.994 | 0.0 | 1.439 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.135 | 0.0 |
| 194 | 16159 | 16160 | SN | 1 | 0.0 | 28.689 | 13.578 | 0.0 | 86.688 | 13.269 | 0.0 | 142.215 | 11.616 | 0.0 | 71.695 | 13.519 | 0.0 | 1.453 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.85 | 0.0 | 0.0 | 2.14 | 0.0 |
| 195 | 16159 | 16160 | NS | 1 | 0.0 | 24.531 | 10.269 | 0.7 | 29.913 | 14.758 | 0.0 | 347.768 | 9.883 | 0.0 | 73.035 | 12.917 | 0.0 | 1.419 | 0.0 | 0.003 | 1.779 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.131 | 0.0 |
| 196 | 16159 | 16160 | SN | 1 | 0.0 | 22.115 | 6.025 | 0.0 | 116.209 | 7.531 | 0.0 | 150.014 | 2.504 | 0.0 | 69.175 | 3.683 | 0.0 | 1.437 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.14 | 0.0 |
| 197 | 16160 | 16161 | NS | 1 | 0.0 | 45.336 | 6.115 | 0.0 | 24.619 | 6.921 | 0.0 | 335.442 | 2.159 | 0.0 | 50.242 | 3.009 | 0.0 | 1.441 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.135 | 0.0 |
| 198 | 16160 | 16161 | SN | 1 | 0.0 | 22.115 | 6.042 | 0.0 | 24.233 | 7.544 | 0.0 | 141.416 | 2.558 | 0.0 | 53.865 | 3.692 | 0.0 | 1.437 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.141 | 0.0 |
| 199 | 16160 | 16161 | SN | 1 | 0.0 | 28.882 | 13.653 | 0.0 | 27.189 | 13.272 | 0.0 | 151.558 | 11.627 | 0.0 | 62.639 | 13.589 | 0.0 | 1.453 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.142 | 0.0 |
| 200 | 16160 | 16161 | NS | 1 | 0.0 | 69.928 | 10.269 | 0.7 | 29.919 | 14.748 | 0.0 | 349.979 | 9.855 | 0.0 | 69.313 | 12.974 | 0.0 | 1.419 | 0.0 | 0.003 | 1.779 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.136 | 0.0 |
| 201 | 16161 | 16162 | NS | 1 | 0.0 | 211.724 | 10.299 | 0.7 | 29.902 | 14.748 | 0.0 | 341.619 | 9.827 | 0.0 | 72.12 | 12.959 | 0.0 | 1.419 | 0.0 | 0.003 | 1.78 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.135 | 0.0 |
| 202 | 16161 | 16162 | SN | 1 | 0.0 | 28.965 | 13.623 | 0.0 | 30.843 | 13.251 | 0.0 | 147.83 | 11.601 | 0.0 | 72.914 | 13.554 | 0.0 | 1.453 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.14 | 0.0 |
| 203 | 16161 | 16162 | SN | 1 | 0.0 | 28.965 | 13.623 | 0.0 | 30.843 | 13.251 | 0.0 | 147.83 | 11.601 | 0.0 | 72.914 | 13.554 | 0.0 | 1.453 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.14 | 0.0 |
| 204 | 16161 | 16162 | NS | 1 | 0.0 | 106.867 | 6.163 | 0.0 | 24.602 | 6.939 | 0.0 | 317.628 | 2.149 | 0.0 | 65.121 | 3.028 | 0.0 | 1.439 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.136 | 0.0 |
| 205 | 16161 | 16162 | SN | 1 | 0.0 | 22.132 | 6.05 | 0.0 | 24.244 | 7.52 | 0.0 | 138.2 | 2.566 | 0.0 | 76.703 | 3.679 | 0.0 | 1.437 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.141 | 0.0 |
| 206 | 16161 | 16162 | SN | 1 | 0.0 | 22.132 | 6.05 | 0.0 | 24.244 | 7.52 | 0.0 | 138.2 | 2.566 | 0.0 | 76.703 | 3.679 | 0.0 | 1.437 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.141 | 0.0 |
| 207 | 16162 | 16163 | NS | 1 | 0.0 | 258.27 | 6.163 | 0.0 | 24.602 | 6.914 | 0.0 | 313.178 | 2.157 | 0.0 | 62.204 | 3.066 | 0.0 | 1.443 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.135 | 0.0 |
| 208 | 16162 | 16163 | SN | 1 | 0.0 | 27.983 | 13.63 | 0.0 | 27.211 | 13.195 | 0.0 | 140.969 | 11.627 | 0.0 | 138.032 | 13.6 | 0.0 | 1.455 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.14 | 0.0 |
| 209 | 16162 | 16163 | SN | 1 | 0.0 | 27.983 | 13.63 | 0.0 | 27.211 | 13.195 | 0.0 | 140.969 | 11.627 | 0.0 | 138.032 | 13.6 | 0.0 | 1.455 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.14 | 0.0 |
| 210 | 16162 | 16163 | NS | 1 | 0.0 | 91.618 | 10.203 | 0.0 | 29.897 | 14.793 | 0.0 | 219.665 | 9.881 | 0.0 | 70.338 | 13.03 | 0.0 | 1.419 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.133 | 0.0 |
| 211 | 16162 | 16163 | SN | 1 | 0.0 | 22.132 | 6.03 | 0.0 | 24.266 | 7.546 | 0.0 | 139.888 | 2.572 | 0.0 | 138.032 | 3.697 | 0.0 | 1.439 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.14 | 0.0 |
| 212 | 16162 | 16163 | NS | 1 | 0.0 | 91.618 | 10.203 | 0.0 | 29.897 | 14.793 | 0.0 | 219.665 | 9.881 | 0.0 | 70.338 | 13.03 | 0.0 | 1.419 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.133 | 0.0 |
| 213 | 16162 | 16163 | NS | 1 | 0.0 | 258.27 | 6.163 | 0.0 | 24.602 | 6.914 | 0.0 | 313.178 | 2.157 | 0.0 | 62.204 | 3.066 | 0.0 | 1.443 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.135 | 0.0 |
| 214 | 16162 | 16163 | SN | 1 | 0.0 | 22.132 | 6.03 | 0.0 | 24.266 | 7.546 | 0.0 | 139.888 | 2.572 | 0.0 | 138.032 | 3.697 | 0.0 | 1.439 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.14 | 0.0 |
| 215 | 16163 | 16164 | NS | 1 | 0.0 | 198.206 | 6.163 | 0.0 | 74.248 | 6.901 | 0.0 | 126.6 | 2.16 | 0.0 | 86.619 | 3.102 | 0.0 | 1.441 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.136 | 0.0 |
| 216 | 16163 | 16164 | SN | 1 | 0.0 | 22.11 | 6.028 | 0.0 | 46.323 | 7.595 | 0.0 | 159.135 | 2.549 | 0.0 | 123.263 | 3.665 | 0.0 | 1.44 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.14 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 217 | 16163 | 16164 | SN | 1 | 0.0 | 28.215 | 13.62 | 0.0 | 30.804 | 13.174 | 0.0 | 144.024 | 11.606 | 0.0 | 75.219 | 13.672 | 0.0 | 1.456 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.138 | 0.0 |
| 218 | 16163 | 16164 | SN | 1 | 0.0 | 22.11 | 6.028 | 0.0 | 46.323 | 7.595 | 0.0 | 159.135 | 2.551 | 0.0 | 123.296 | 3.665 | 0.0 | 1.44 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.14 | 0.0 |
| 219 | 16163 | 16164 | NS | 1 | 0.0 | 154.188 | 10.223 | 0.0 | 78.462 | 14.82 | 0.0 | 355.329 | 9.917 | 0.0 | 86.817 | 13.002 | 0.0 | 1.42 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.133 | 0.0 |
| 220 | 16163 | 16164 | NS | 1 | 0.0 | 238.595 | 10.223 | 0.0 | 78.456 | 14.82 | 0.0 | 355.323 | 9.91 | 0.0 | 86.817 | 13.023 | 0.0 | 1.419 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.133 | 0.0 |
| 221 | 16163 | 16164 | SN | 1 | 0.0 | 28.215 | 13.62 | 0.0 | 30.804 | 13.184 | 0.0 | 144.024 | 11.606 | 0.0 | 75.236 | 13.672 | 0.0 | 1.456 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.138 | 0.0 |
| 222 | 16163 | 16164 | NS | 1 | 0.0 | 254.272 | 6.16 | 0.0 | 74.259 | 6.901 | 0.0 | 126.561 | 2.16 | 0.0 | 86.619 | 3.098 | 0.0 | 1.441 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.136 | 0.0 |
| 223 | 16164 | 16165 | NS | 1 | 0.0 | 212.336 | 10.252 | 0.0 | 29.908 | 14.787 | 0.0 | 352.213 | 9.899 | 0.0 | 78.467 | 13.02 | 0.0 | 1.419 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.134 | 0.0 |
| 224 | 16164 | 16165 | NS | 1 | 0.0 | 210.284 | 6.175 | 0.0 | 24.613 | 6.915 | 0.0 | 228.34 | 2.156 | 0.0 | 59.722 | 3.027 | 0.0 | 1.443 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.134 | 0.0 |

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