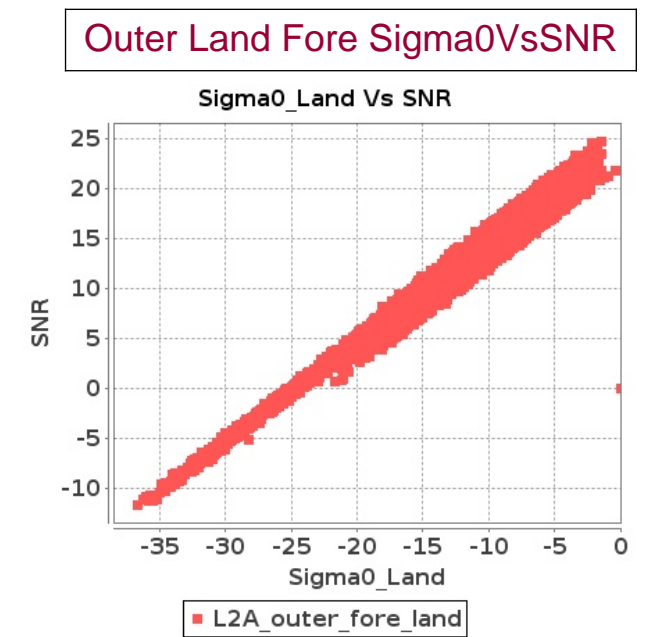
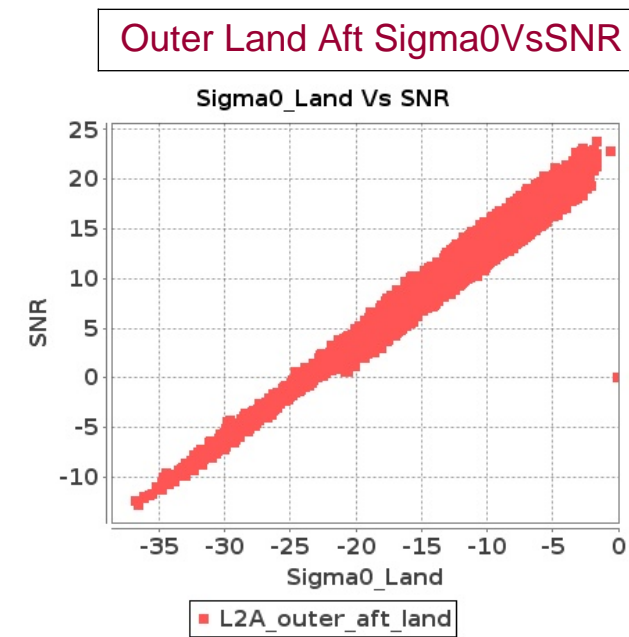
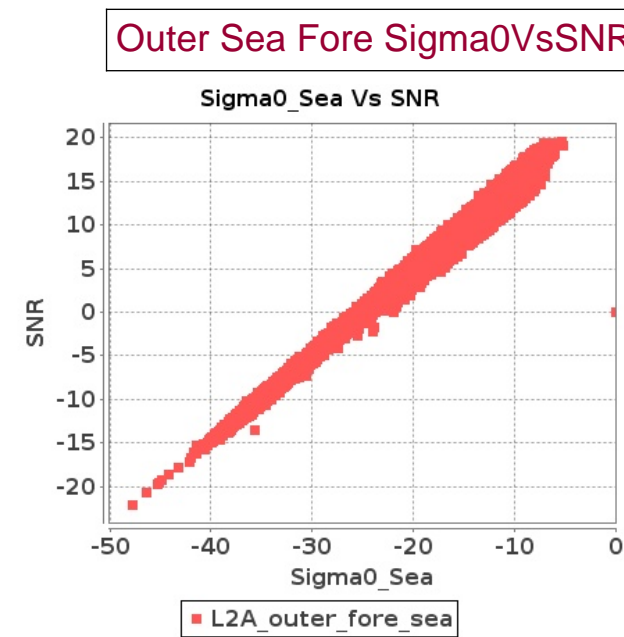
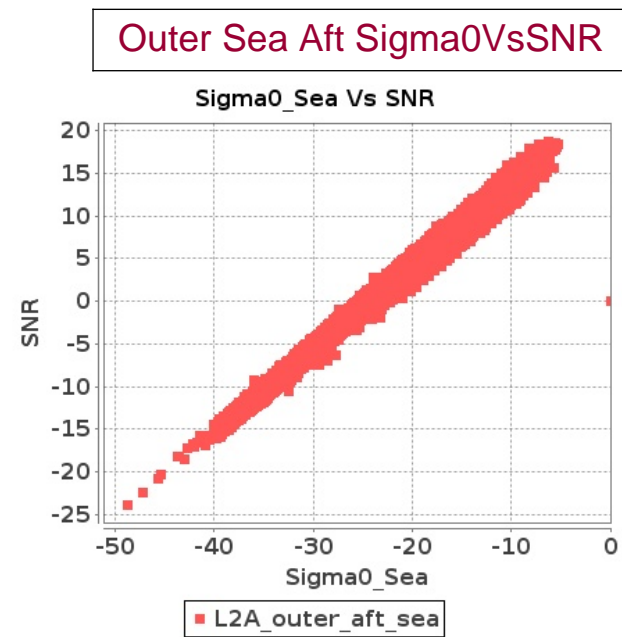
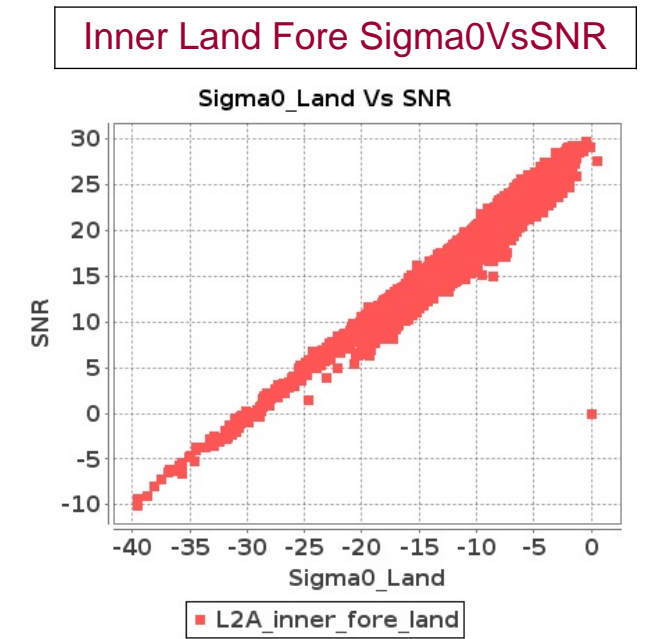
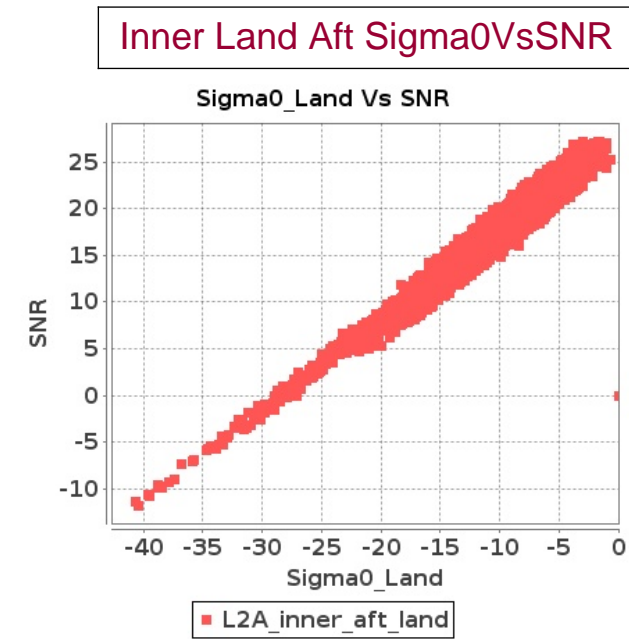
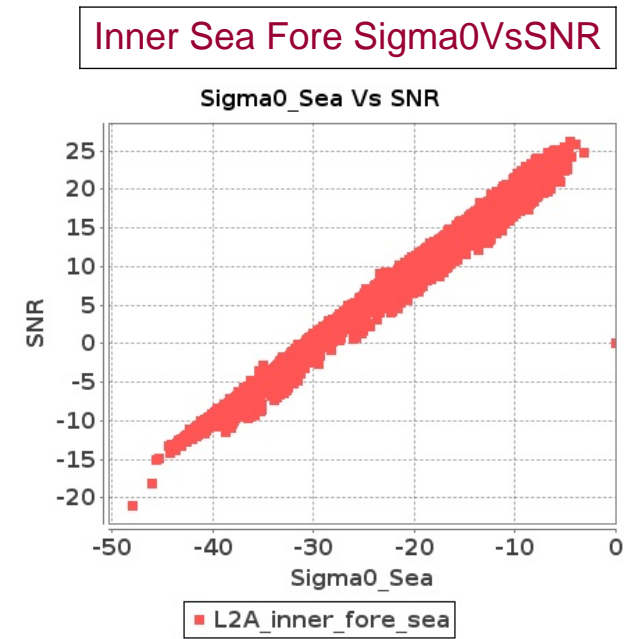
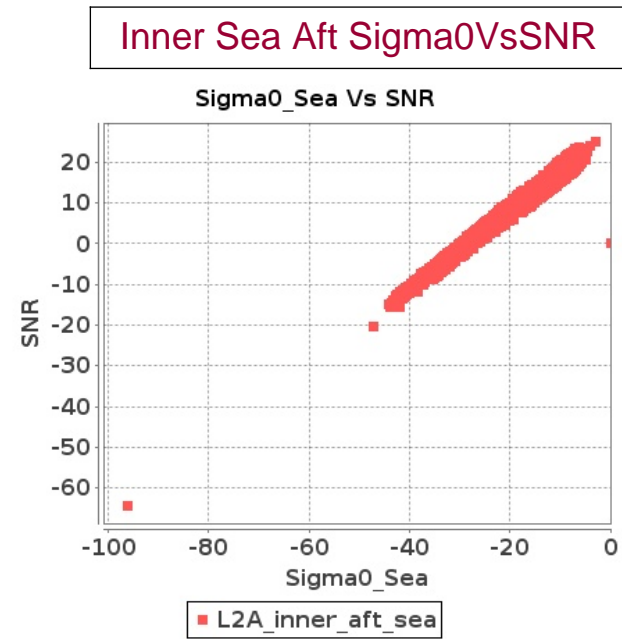


SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 11-NOV-2017 To 12-NOV-2017



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

Report between 11-NOV-2017 To 12-NOV-2017

| Sr No | Start Orbit | End Orbit | Dir. | Ver. | SNR | | | | | | | | | | | | Sigma0 | | | | | | | | | | | |
|-------|-------------|-----------|------|------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|
| | | | | | Inner Aft | | | Inner Fore | | | Outer Aft | | | Outer Fore | | | Inner Aft | | | Inner Fore | | | Outer Aft | | | Outer Fore | | |
| | | | | | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) |
| 1 | 5956 | 5957 | SN | 1 | 0.0 | 54.625 | 1.28 | 0.0 | 51.783 | 1.083 | 0.0 | 42.269 | 0.754 | 0.0 | 40.23 | 0.869 | 0.0 | 50.134 | 1.005 | 0.0 | 49.003 | 0.898 | 0.0 | 43.801 | 0.584 | 0.0 | 39.618 | 0.692 |
| 2 | 5956 | 5957 | SN | 1 | 0.0 | 48.819 | 1.355 | 0.0 | 46.405 | 1.306 | 0.0 | 42.269 | 0.796 | 0.0 | 38.344 | 1.106 | 0.0 | 45.179 | 1.069 | 0.0 | 48.265 | 1.096 | 0.0 | 43.801 | 0.639 | 0.0 | 36.858 | 0.881 |
| 3 | 5956 | 5957 | SN | 1 | 0.0 | 40.589 | 4.767 | 0.0 | 40.992 | 4.634 | 0.0 | 41.71 | 2.799 | 0.0 | 45.807 | 3.296 | 0.0 | 42.529 | 3.811 | 0.0 | 41.335 | 3.89 | 0.0 | 41.351 | 2.46 | 0.0 | 45.739 | 2.664 |
| 4 | 5956 | 5957 | SN | 1 | 0.0 | 43.389 | 2.38 | 0.0 | 40.992 | 4.061 | 0.0 | 41.71 | 2.1 | 0.0 | 45.807 | 2.879 | 0.0 | 42.529 | 1.883 | 0.0 | 41.335 | 3.416 | 0.0 | 38.887 | 2.011 | 0.0 | 45.739 | 2.316 |
| 5 | 5956 | 5957 | SN | 1 | 0.0 | 48.819 | 0.769 | 0.0 | 46.405 | 1.104 | 0.0 | 42.269 | 0.665 | 0.0 | 38.344 | 0.967 | 0.0 | 45.179 | 0.711 | 0.0 | 48.265 | 0.934 | 0.0 | 38.483 | 0.594 | 0.0 | 36.858 | 0.759 |
| 6 | 5956 | 5957 | SN | 1 | 0.0 | 44.902 | 4.374 | 0.0 | 52.265 | 3.803 | 0.0 | 43.574 | 2.598 | 0.0 | 45.807 | 2.714 | 0.0 | 43.123 | 3.592 | 0.0 | 52.483 | 3.188 | 0.0 | 41.351 | 2.308 | 0.0 | 45.739 | 2.187 |
| 7 | 5957 | 5958 | SN | 1 | 0.0 | 45.609 | 2.69 | 0.0 | 42.122 | 2.34 | 0.0 | 40.828 | 2.133 | 0.0 | 48.862 | 1.747 | 0.0 | 43.239 | 2.33 | 0.0 | 40.77 | 2.099 | 0.0 | 38.908 | 1.799 | 0.0 | 46.78 | 1.507 |
| 8 | 5957 | 5958 | SN | 1 | 0.0 | 43.421 | 6.492 | 0.0 | 46.594 | 6.354 | 0.0 | 41.565 | 4.477 | 0.0 | 47.238 | 5.039 | 0.0 | 45.155 | 6.138 | 0.0 | 46.026 | 5.722 | 0.0 | 44.154 | 3.925 | 0.0 | 48.127 | 4.574 |
| 9 | 5957 | 5958 | SN | 1 | 0.0 | 43.531 | 2.279 | 0.0 | 42.122 | 2.168 | 0.0 | 34.75 | 1.499 | 0.0 | 48.862 | 1.603 | 0.0 | 39.735 | 2.038 | 0.0 | 40.77 | 1.934 | 0.0 | 35.609 | 1.337 | 0.0 | 46.78 | 1.38 |
| 10 | 5957 | 5958 | SN | 1 | 0.0 | 49.134 | 8.487 | 0.0 | 46.594 | 6.851 | 0.0 | 49.786 | 6.361 | 0.0 | 47.238 | 5.483 | 0.0 | 47.728 | 7.774 | 0.0 | 46.026 | 6.201 | 0.0 | 45.764 | 5.674 | 0.0 | 48.127 | 5.002 |
| 11 | 5957 | 5958 | SN | 1 | 0.0 | 49.134 | 6.581 | 0.0 | 46.594 | 5.327 | 0.0 | 49.786 | 4.819 | 0.0 | 47.238 | 4.155 | 0.0 | 47.728 | 5.989 | 0.0 | 46.026 | 4.762 | 0.0 | 45.764 | 4.267 | 0.0 | 48.127 | 3.756 |
| 12 | 5957 | 5958 | NS | 1 | 0.0 | 50.104 | 2.662 | 0.0 | 51.28 | 2.306 | 0.0 | 40.917 | 1.763 | 0.0 | 41.051 | 1.751 | 0.0 | 50.55 | 2.445 | 0.0 | 52.417 | 2.128 | 0.0 | 37.722 | 1.66 | 0.0 | 39.77 | 1.648 |
| 13 | 5957 | 5958 | NS | 1 | 0.0 | 52.904 | 8.285 | 0.0 | 54.886 | 7.764 | 0.0 | 45.022 | 5.852 | 0.0 | 51.596 | 5.846 | 0.0 | 52.397 | 7.953 | 0.0 | 51.396 | 7.323 | 0.0 | 42.33 | 5.446 | 0.0 | 54.227 | 5.419 |
| 14 | 5957 | 5958 | NS | 1 | 0.0 | 52.904 | 8.285 | 0.0 | 54.886 | 7.764 | 0.0 | 45.022 | 5.852 | 0.0 | 51.596 | 5.846 | 0.0 | 52.397 | 7.953 | 0.0 | 51.396 | 7.323 | 0.0 | 42.33 | 5.446 | 0.0 | 54.227 | 5.419 |
| 15 | 5957 | 5958 | SN | 1 | 0.0 | 47.137 | 2.057 | 0.0 | 44.558 | 1.809 | 0.0 | 40.828 | 1.594 | 0.0 | 48.862 | 1.322 | 0.0 | 45.592 | 1.774 | 0.0 | 44.568 | 1.61 | 0.0 | 38.908 | 1.34 | 0.0 | 46.78 | 1.137 |
| 16 | 5957 | 5958 | NS | 1 | 0.0 | 50.104 | 2.662 | 0.0 | 51.28 | 2.306 | 0.0 | 40.917 | 1.763 | 0.0 | 41.051 | 1.751 | 0.0 | 50.55 | 2.445 | 0.0 | 52.417 | 2.128 | 0.0 | 37.722 | 1.66 | 0.0 | 39.77 | 1.648 |
| 17 | 5958 | 5959 | NS | 1 | 0.0 | 45.1 | 1.8 | 0.0 | 40.534 | 1.599 | 0.0 | 37.789 | 1.411 | 0.0 | 39.329 | 1.394 | 0.0 | 43.775 | 1.599 | 0.0 | 41.608 | 1.409 | 0.0 | 38.722 | 1.246 | 0.0 | 35.67 | 1.232 |
| 18 | 5958 | 5959 | SN | 1 | 0.0 | 41.597 | 6.537 | 0.0 | 42.365 | 5.926 | 0.0 | 40.742 | 6.14 | 0.0 | 48.024 | 7.272 | 0.0 | 41.822 | 5.944 | 0.0 | 41.097 | 5.459 | 0.0 | 38.644 | 5.903 | 0.0 | 46.323 | 6.72 |
| 19 | 5958 | 5959 | NS | 1 | 0.0 | 46.829 | 4.8 | 0.0 | 45.739 | 4.864 | 0.0 | 48.29 | 4.256 | 0.0 | 49.476 | 4.308 | 0.0 | 46.097 | 4.097 | 0.0 | 48.195 | 4.062 | 0.0 | 47.087 | 3.728 | 0.0 | 51.677 | 3.838 |
| 20 | 5958 | 5959 | NS | 1 | 0.0 | 42.392 | 5.041 | 0.0 | 44.761 | 4.374 | 0.0 | 46.334 | 4.033 | 0.0 | 43.559 | 4.159 | 0.0 | 41.992 | 4.117 | 0.0 | 45.869 | 3.842 | 0.0 | 46.891 | 3.734 | 0.0 | 44.082 | 3.846 |
| 21 | 5958 | 5959 | SN | 1 | 0.0 | 41.597 | 6.484 | 0.0 | 44.181 | 5.317 | 0.0 | 40.765 | 5.583 | 0.0 | 48.024 | 6.004 | 0.0 | 41.822 | 5.826 | 0.0 | 45.165 | 4.859 | 0.0 | 40.615 | 5.355 | 0.0 | 46.323 | 5.48 |
| 22 | 5958 | 5959 | SN | 1 | 0.0 | 46.441 | 2.412 | 0.0 | 47.669 | 2.095 | 0.0 | 44.02 | 1.933 | 0.0 | 48.577 | 2.008 | 0.0 | 41.728 | 2.214 | 0.0 | 44.891 | 1.86 | 0.0 | 42.516 | 1.779 | 0.0 | 46.445 | 1.84 |
| 23 | 5958 | 5959 | SN | 1 | 0.0 | 41.597 | 6.419 | 0.0 | 44.181 | 5.263 | 0.0 | 40.765 | 5.533 | 0.0 | 48.024 | 5.943 | 0.0 | 41.822 | 5.767 | 0.0 | 45.165 | 4.81 | 0.0 | 40.615 | 5.299 | 0.0 | 46.323 | 5.424 |
| 24 | 5958 | 5959 | SN | 1 | 0.0 | 46.441 | 2.693 | 0.0 | 47.669 | 2.477 | 0.0 | 44.02 | 2.134 | 0.0 | 48.577 | 2.473 | 0.0 | 41.728 | 2.493 | 0.0 | 44.891 | 2.238 | 0.0 | 42.516 | 1.991 | 0.0 | 46.445 | 2.296 |
| 25 | 5958 | 5959 | NS | 1 | 0.0 | 45.1 | 1.804 | 0.0 | 43.186 | 1.653 | 0.0 | 38.619 | 1.377 | 0.0 | 37.495 | 1.378 | 0.0 | 43.775 | 1.558 | 0.0 | 41.327 | 1.429 | 0.0 | 35.389 | 1.258 | 0.0 | 36.729 | 1.227 |
| 26 | 5958 | 5959 | SN | 1 | 0.0 | 46.441 | 2.437 | 0.0 | 47.669 | 2.117 | 0.0 | 44.02 | 1.95 | 0.0 | 48.577 | 2.029 | 0.0 | 41.728 | 2.237 | 0.0 | 44.891 | 1.879 | 0.0 | 42.516 | 1.796 | 0.0 | 46.445 | 1.859 |
| 27 | 5959 | 5960 | SN | 1 | 0.0 | 40.176 | 1.952 | 0.0 | 45.426 | 1.608 | 0.0 | 38.1 | 1.31 | 0.0 | 41.959 | 1.673 | 0.0 | 40.406 | 1.454 | 0.0 | 43.78 | 1.194 | 0.0 | 39.222 | 1.096 | 0.0 | 40.974 | 1.303 |
| 28 | 5959 | 5960 | SN | 1 | 0.0 | 41.034 | 4.892 | 0.0 | 41.684 | 3.791 | 0.0 | 39.532 | 3.829 | 0.0 | 40.411 | 4.284 | 0.0 | 41.665 | 3.984 | 0.0 | 40.769 | 2.867 | 0.0 | 36.593 | 3.338 | 0.0 | 39.235 | 3.555 |
| 29 | 5959 | 5960 | SN | 1 | 0.0 | 40.176 | 2.128 | 0.0 | 45.426 | 1.765 | 0.0 | 38.1 | 1.586 | 0.0 | 41.959 | 1.775 | 0.0 | 40.406 | 1.598 | 0.0 | 43.78 | 1.315 | 0.0 | 39.222 | 1.304 | 0.0 | 40.974 | 1.385 |
| 30 | 5959 | 5960 | SN | 1 | 0.0 | 41.034 | 5.119 | 0.0 | 41.684 | 4.151 | 0.0 | 39.532 | 4.463 | 0.0 | 40.411 | 4.485 | 0.0 | 41.665 | 4.251 | 0.0 | 40.769 | 3.146 | 0.0 | 36.593 | 3.94 | 0.0 | 39.235 | 3.744 |
| 31 | 5959 | 5960 | SN | 1 | 0.0 | 40.289 | 1.828 | 0.0 | 45.426 | 1.483 | 0.0 | 38.1 | 1.375 | 0.0 | 41.959 | 1.574 | 0.0 | 40.406 | 1.333 | 0.0 | 43.78 | 1.106 | 0.0 | 39.222 | 1.103 | 0.0 | 40.974 | 1.21 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|-------|--------|--------|-----|--------|--------|-----|--------|-------|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 32 | 5959 | 5960 | NS | 1 | 0.0 | 46.045 | 2.77 | 0.0 | 50.766 | 2.551 | 0.0 | 40.757 | 1.937 | 0.0 | 38.551 | 2.012 | 0.0 | 45.319 | 2.497 | 0.0 | 50.208 | 2.347 | 0.0 | 42.036 | 1.809 | 0.0 | 42.647 | 1.848 |
| 33 | 5959 | 5960 | NS | 1 | 0.0 | 46.405 | 7.43 | 0.0 | 50.499 | 6.65 | 0.0 | 46.809 | 5.895 | 0.0 | 41.856 | 5.946 | 0.0 | 46.1 | 7.078 | 0.0 | 53.121 | 6.018 | 0.0 | 47.977 | 5.632 | 0.0 | 43.938 | 5.832 |
| 34 | 5959 | 5960 | NS | 1 | 0.0 | 46.045 | 2.77 | 0.0 | 50.766 | 2.551 | 0.0 | 40.757 | 1.937 | 0.0 | 38.551 | 2.012 | 0.0 | 45.319 | 2.497 | 0.0 | 50.208 | 2.347 | 0.0 | 42.036 | 1.809 | 0.0 | 42.647 | 1.848 |
| 35 | 5959 | 5960 | SN | 1 | 0.0 | 44.128 | 4.655 | 0.0 | 45.898 | 3.723 | 0.0 | 39.532 | 3.927 | 0.0 | 40.411 | 4.07 | 0.0 | 41.665 | 3.742 | 0.0 | 42.757 | 2.815 | 0.0 | 37.868 | 3.411 | 0.0 | 39.235 | 3.357 |
| 36 | 5959 | 5960 | NS | 1 | 0.0 | 46.405 | 7.43 | 0.0 | 50.499 | 6.65 | 0.0 | 46.809 | 5.895 | 0.0 | 41.856 | 5.946 | 0.0 | 46.1 | 7.078 | 0.0 | 53.121 | 6.018 | 0.0 | 47.977 | 5.632 | 0.0 | 43.938 | 5.832 |
| 37 | 5960 | 5961 | NS | 1 | 0.0 | 52.253 | 4.331 | 0.0 | 51.786 | 4.37 | 0.0 | 43.977 | 3.758 | 0.0 | 48.667 | 3.993 | 0.0 | 49.8 | 4.039 | 0.0 | 53.13 | 3.919 | 0.0 | 45.34 | 3.572 | 0.0 | 45.233 | 3.687 |
| 38 | 5960 | 5961 | SN | 1 | 0.0 | 41.879 | 1.998 | 0.0 | 38.813 | 1.734 | 0.0 | 38.888 | 1.668 | 0.0 | 40.624 | 1.702 | 0.0 | 43.555 | 1.645 | 0.0 | 39.741 | 1.35 | 0.0 | 35.735 | 1.394 | 0.0 | 37.222 | 1.281 |
| 39 | 5960 | 5961 | NS | 1 | 0.0 | 52.029 | 4.301 | 0.0 | 51.964 | 4.309 | 0.0 | 43.704 | 3.729 | 0.0 | 47.627 | 3.993 | 0.0 | 49.221 | 4.009 | 0.0 | 53.31 | 3.869 | 0.0 | 41.856 | 3.572 | 0.0 | 44.194 | 3.694 |
| 40 | 5960 | 5961 | NS | 1 | 0.0 | 49.148 | 1.45 | 0.0 | 47.847 | 1.482 | 0.0 | 41.798 | 1.17 | 0.0 | 40.83 | 1.068 | 0.0 | 48.757 | 1.373 | 0.0 | 45.804 | 1.394 | 0.0 | 45.382 | 1.116 | 0.0 | 42.244 | 1.026 |
| 41 | 5960 | 5961 | NS | 1 | 0.0 | 49.725 | 1.473 | 0.0 | 49.564 | 1.498 | 0.0 | 40.852 | 1.179 | 0.0 | 41.176 | 1.056 | 0.0 | 49.334 | 1.391 | 0.0 | 48.574 | 1.405 | 0.0 | 40.94 | 1.095 | 0.0 | 43.455 | 1.011 |
| 42 | 5960 | 5961 | SN | 1 | 0.237 | 40.632 | 5.086 | 0.0 | 45.886 | 4.389 | 0.0 | 38.509 | 4.662 | 0.0 | 40.787 | 4.558 | 0.307 | 40.418 | 4.394 | 0.0 | 44.076 | 3.564 | 0.0 | 39.45 | 4.018 | 0.0 | 42.314 | 3.69 |
| 43 | 5960 | 5961 | SN | 1 | 0.237 | 40.632 | 5.086 | 0.0 | 45.886 | 4.389 | 0.0 | 38.509 | 4.662 | 0.0 | 40.787 | 4.558 | 0.307 | 40.418 | 4.394 | 0.0 | 44.076 | 3.564 | 0.0 | 39.45 | 4.018 | 0.0 | 42.314 | 3.69 |
| 44 | 5960 | 5961 | SN | 1 | 0.0 | 41.879 | 1.998 | 0.0 | 38.813 | 1.734 | 0.0 | 38.888 | 1.668 | 0.0 | 40.624 | 1.702 | 0.0 | 43.555 | 1.645 | 0.0 | 39.741 | 1.35 | 0.0 | 35.735 | 1.394 | 0.0 | 37.222 | 1.281 |
| 45 | 5961 | 5962 | SN | 1 | 0.0 | 49.269 | 3.086 | 0.0 | 46.299 | 2.577 | 0.0 | 38.593 | 2.181 | 0.0 | 42.307 | 2.005 | 0.0 | 50.467 | 2.785 | 0.0 | 46.063 | 2.218 | 0.0 | 36.809 | 1.98 | 0.0 | 41.207 | 1.743 |
| 46 | 5961 | 5962 | NS | 1 | 0.0 | 52.156 | 7.795 | 0.0 | 52.519 | 6.256 | 0.0 | 41.449 | 5.752 | 0.0 | 44.654 | 5.816 | 0.0 | 49.207 | 7.393 | 0.0 | 49.82 | 5.976 | 0.0 | 43.202 | 5.452 | 0.0 | 42.887 | 5.638 |
| 47 | 5961 | 5962 | SN | 1 | 0.0 | 58.603 | 9.334 | 0.0 | 46.996 | 7.862 | 0.0 | 40.077 | 6.387 | 0.0 | 40.992 | 5.803 | 0.0 | 57.117 | 8.72 | 0.0 | 48.364 | 7.225 | 0.0 | 41.265 | 5.953 | 0.0 | 39.913 | 5.446 |
| 48 | 5961 | 5962 | SN | 1 | 0.0 | 58.603 | 9.299 | 0.0 | 46.996 | 7.822 | 0.0 | 40.077 | 6.359 | 0.0 | 40.992 | 5.774 | 0.0 | 57.117 | 8.687 | 0.0 | 48.364 | 7.188 | 0.0 | 41.265 | 5.928 | 0.0 | 39.913 | 5.418 |
| 49 | 5961 | 5962 | SN | 1 | 0.0 | 58.603 | 9.299 | 0.0 | 46.996 | 7.822 | 0.0 | 40.077 | 6.359 | 0.0 | 40.992 | 5.774 | 0.0 | 57.117 | 8.687 | 0.0 | 48.364 | 7.188 | 0.0 | 41.265 | 5.928 | 0.0 | 39.913 | 5.418 |
| 50 | 5961 | 5962 | SN | 1 | 0.0 | 49.269 | 3.086 | 0.0 | 46.299 | 2.577 | 0.0 | 38.593 | 2.181 | 0.0 | 42.307 | 2.005 | 0.0 | 50.467 | 2.785 | 0.0 | 46.063 | 2.218 | 0.0 | 36.809 | 1.98 | 0.0 | 41.207 | 1.743 |
| 51 | 5961 | 5962 | NS | 1 | 0.0 | 50.177 | 7.896 | 0.0 | 53.0 | 6.176 | 0.0 | 44.809 | 5.809 | 0.0 | 44.455 | 5.844 | 0.0 | 48.406 | 7.423 | 0.0 | 52.161 | 5.935 | 0.0 | 46.563 | 5.431 | 0.0 | 43.618 | 5.609 |
| 52 | 5961 | 5962 | SN | 1 | 0.0 | 49.269 | 3.099 | 0.0 | 46.299 | 2.587 | 0.0 | 38.593 | 2.189 | 0.0 | 42.307 | 2.013 | 0.0 | 50.467 | 2.796 | 0.0 | 46.063 | 2.226 | 0.0 | 36.809 | 1.988 | 0.0 | 41.207 | 1.749 |
| 53 | 5961 | 5962 | NS | 1 | 0.0 | 46.382 | 2.655 | 0.0 | 47.549 | 2.29 | 0.0 | 42.262 | 1.863 | 0.0 | 40.593 | 1.823 | 0.0 | 46.598 | 2.567 | 0.0 | 49.906 | 2.116 | 0.0 | 37.622 | 1.722 | 0.0 | 38.039 | 1.674 |
| 54 | 5961 | 5962 | NS | 1 | 0.0 | 47.185 | 2.659 | 0.0 | 47.174 | 2.29 | 0.0 | 38.356 | 1.879 | 0.0 | 38.511 | 1.85 | 0.0 | 47.399 | 2.549 | 0.0 | 49.529 | 2.095 | 0.0 | 36.667 | 1.768 | 0.0 | 36.881 | 1.683 |
| 55 | 5962 | 5963 | SN | 1 | 0.0 | 49.693 | 2.512 | 0.0 | 47.013 | 2.541 | 0.0 | 47.539 | 1.851 | 0.0 | 42.287 | 1.908 | 0.0 | 48.398 | 2.496 | 0.0 | 44.293 | 2.455 | 0.0 | 47.755 | 1.891 | 0.0 | 41.291 | 1.81 |
| 56 | 5962 | 5963 | SN | 1 | 1.309 | 49.965 | 7.776 | 0.0 | 49.58 | 7.712 | 0.0 | 43.451 | 5.652 | 0.0 | 50.44 | 5.389 | 0.872 | 48.807 | 7.877 | 0.0 | 49.156 | 7.5 | 0.0 | 43.877 | 5.751 | 0.0 | 50.964 | 5.361 |
| 57 | 5962 | 5963 | SN | 1 | 1.309 | 49.965 | 7.776 | 0.0 | 49.58 | 7.712 | 0.0 | 43.451 | 5.652 | 0.0 | 50.44 | 5.389 | 0.872 | 48.807 | 7.877 | 0.0 | 49.156 | 7.5 | 0.0 | 43.877 | 5.751 | 0.0 | 50.964 | 5.361 |
| 58 | 5962 | 5963 | NS | 1 | 0.0 | 40.965 | 2.031 | 0.0 | 48.515 | 1.777 | 0.0 | 38.622 | 1.582 | 0.0 | 40.681 | 1.367 | 0.0 | 41.058 | 1.683 | 0.0 | 53.993 | 1.519 | 0.0 | 36.243 | 1.232 | 0.0 | 37.531 | 1.177 |
| 59 | 5962 | 5963 | SN | 1 | 0.0 | 49.965 | 8.006 | 0.0 | 49.58 | 7.818 | 0.0 | 43.451 | 5.817 | 0.0 | 50.44 | 5.502 | 0.0 | 48.807 | 8.11 | 0.0 | 49.156 | 7.62 | 0.0 | 43.877 | 5.926 | 0.0 | 50.964 | 5.487 |
| 60 | 5962 | 5963 | NS | 1 | 0.0 | 47.448 | 6.774 | 0.0 | 51.825 | 6.234 | 0.0 | 47.134 | 4.463 | 0.0 | 49.266 | 4.078 | 0.0 | 45.076 | 6.342 | 0.0 | 50.171 | 5.693 | 0.0 | 48.694 | 3.864 | 0.0 | 51.899 | 3.551 |
| 61 | 5962 | 5963 | NS | 1 | 0.0 | 43.143 | 6.931 | 0.0 | 53.491 | 5.955 | 0.0 | 39.367 | 4.183 | 0.0 | 44.736 | 4.307 | 0.0 | 47.105 | 6.138 | 0.0 | 51.179 | 5.604 | 0.0 | 37.078 | 3.77 | 0.0 | 43.536 | 3.866 |
| 62 | 5962 | 5963 | SN | 1 | 0.0 | 49.693 | 2.439 | 0.0 | 47.013 | 2.477 | 0.0 | 47.539 | 1.797 | 0.0 | 42.287 | 1.86 | 0.0 | 48.398 | 2.423 | 0.0 | 44.293 | 2.389 | 0.0 | 47.755 | 1.837 | 0.0 | 41.291 | 1.762 |
| 63 | 5962 | 5963 | NS | 1 | 0.0 | 38.845 | 2.045 | 0.0 | 47.307 | 1.638 | 0.0 | 39.221 | 1.426 | 0.0 | 40.702 | 1.366 | 0.0 | 36.543 | 1.633 | 0.0 | 51.124 | 1.421 | 0.0 | 38.447 | 1.22 | 0.0 | 37.763 | 1.189 |
| 64 | 5962 | 5963 | SN | 1 | 0.0 | 49.693 | 2.439 | 0.0 | 47.013 | 2.477 | 0.0 | 47.539 | 1.797 | 0.0 | 42.287 | 1.86 | 0.0 | 48.398 | 2.423 | 0.0 | 44.293 | 2.389 | 0.0 | 47.755 | 1.837 | 0.0 | 41.291 | 1.762 |
| 65 | 5963 | 5964 | SN | 1 | 0.0 | 53.563 | 10.902 | 0.0 | 57.487 | 10.028 | 0.0 | 48.328 | 7.794 | 0.0 | 52.225 | 7.785 | 0.0 | 56.382 | 10.47 | 0.0 | 58.741 | 9.574 | 0.0 | 48.577 | 7.667 | 0.0 | 49.779 | 7.557 |
| 66 | 5963 | 5964 | SN | 1 | 0.0 | 48.163 | 3.998 | 0.0 | 53.447 | 3.541 | 0.0 | 44.456 | 2.257 | 0.0 | 45.205 | 2.263 | 0.0 | 48.603 | 3.699 | 0.0 | 53.731 | 3.286 | 0.0 | 45.733 | 2.144 | 0.0 | 43.086 | 2.194 |
| 67 | 5963 | 5964 | NS | 1 | 0.0 | 42.918 | 1.785 | 0.0 | 42.057 | 1.383 | 0.0 | 37.453 | 1.093 | 0.0 | 49.523 | 1.164 | 0.0 | 40.109 | 1.378 | 0.0 | 42.477 | 1.101 | 0.0 | 34.24 | 0.916 | 0.0 | 51.802 | 0.975 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|--------|-----|--------|--------|----------|-----------|-------|-----|--------|-------|-----|--------|--------|-----|--------|--------|----------|-----------|-------|-----|--------|-------|
| 68 | 5963 | 5964 | SN | 1 | 0.0 | 53.563 | 11.569 | 0.0 | 57.487 | 10.552 | 0.0 | 48.328 | 8.33 | 0.0 | 52.225 | 8.234 | 0.0 | 56.382 | 11.161 | 0.0 | 58.741 | 10.122 | 0.0 | 48.577 | 8.201 | 0.0 | 49.779 | 8.029 |
| 69 | 5963 | 5964 | SN | 1 | 0.0 | 48.163 | 3.998 | 0.0 | 53.447 | 3.541 | 0.0 | 44.456 | 2.257 | 0.0 | 45.205 | 2.263 | 0.0 | 48.603 | 3.699 | 0.0 | 53.731 | 3.286 | 0.0 | 45.733 | 2.144 | 0.0 | 43.086 | 2.194 |
| 70 | 5963 | 5964 | NS | 1 | 0.0 | 42.918 | 1.785 | 0.0 | 42.057 | 1.383 | 0.0 | 37.453 | 1.093 | 0.0 | 49.523 | 1.164 | 0.0 | 40.109 | 1.378 | 0.0 | 42.477 | 1.101 | 0.0 | 34.24 | 0.916 | 0.0 | 51.802 | 0.975 |
| 71 | 5963 | 5964 | NS | 1 | 0.0 | 43.28 | 4.802 | 0.0 | 50.295 | 4.492 | 0.0 | 39.11 | 3.443 | 0.0 | 41.132 | 3.979 | 0.0 | 42.238 | 3.918 | 0.0 | 49.755 | 3.86 | 0.0 | 35.978 | 2.98 | 0.0 | 41.772 | 3.474 |
| 72 | 5963 | 5964 | NS | 1 | 0.0 | 43.28 | 4.802 | 0.0 | 50.295 | 4.492 | 0.0 | 39.11 | 3.443 | 0.0 | 41.132 | 3.979 | 0.0 | 42.238 | 3.918 | 0.0 | 49.755 | 3.86 | 0.0 | 35.978 | 2.98 | 0.0 | 41.772 | 3.474 |
| 73 | 5963 | 5964 | SN | 1 | 0.0 | 53.563 | 10.902 | 0.0 | 57.487 | 10.028 | 0.0 | 48.328 | 7.794 | 0.0 | 52.225 | 7.785 | 0.0 | 56.382 | 10.47 | 0.0 | 58.741 | 9.574 | 0.0 | 48.577 | 7.667 | 0.0 | 49.779 | 7.557 |
| 74 | 5963 | 5964 | SN | 1 | 0.0 | 48.163 | 4.27 | 0.0 | 53.447 | 3.761 | 0.0 | 44.456 | 2.412 | 0.0 | 45.205 | 2.408 | 0.0 | 48.603 | 3.952 | 0.0 | 53.731 | 3.503 | 0.0 | 45.733 | 2.295 | 0.0 | 43.086 | 2.337 |
| 75 | 5964 | 5965 | SN | 1 | 0.0 | 48.915 | 7.743 | 0.0 | 50.782 | 7.285 | 0.0 | 45.104 | 5.043 | 0.0 | 44.34 | 4.929 | 0.0 | 49.94 | 7.302 | 0.0 | 51.244 | 6.942 | 0.0 | 46.281 | 4.64 | 0.0 | 45.471 | 4.644 |
| 76 | 5964 | 5965 | NS | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 9.612 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 11.276 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.355 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 9.787 | 0.0 |
| 77 | 5964 | 5965 | NS | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 9.612 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 11.276 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.355 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 9.787 | 0.0 |
| 78 | 5964 | 5965 | NS | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 15.434 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 10.137 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.437 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 9.401 | 0.0 |
| 79 | 5964 | 5965 | NS | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 15.434 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 10.137 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.437 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 9.401 | 0.0 |
| 80 | 5964 | 5965 | NS | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 7.402 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 11.188 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.142 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 9.721 | 0.0 |
| 81 | 5964 | 5965 | NS | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 9.228 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 10.137 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.954 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 9.401 | 0.0 |
| 82 | 5964 | 5965 | SN | 1 | 0.0 | 45.688 | 2.414 | 0.0 | 49.062 | 2.194 | 0.0 | 40.683 | 1.486 | 0.0 | 37.962 | 1.501 | 0.0 | 43.835 | 2.279 | 0.0 | 49.469 | 2.043 | 0.0 | 40.971 | 1.308 | 0.0 | 42.338 | 1.323 |
| 83 | 5965 | 5966 | SN | 1 | 0.0 | 43.919 | 8.205 | 0.0 | 55.531 | 7.497 | 0.0 | 40.975 | 5.022 | 0.0 | 39.863 | 5.292 | 0.0 | 41.854 | 7.874 | 0.0 | 52.718 | 6.821 | 0.0 | 40.848 | 4.852 | 0.0 | 40.274 | 4.922 |
| 84 | 5965 | 5966 | NS | 1 | 0.0 | 41.384 | 2.119 | 0.0 | 42.841 | 1.728 | 0.0 | 38.429 | 1.235 | 0.0 | 46.647 | 1.385 | 0.0 | 44.856 | 1.673 | 0.0 | 40.083 | 1.413 | 0.0 | 38.709 | 1.004 | 0.0 | 43.366 | 1.062 |
| 85 | 5965 | 5966 | SN | 1 | 0.0 | 48.285 | 2.503 | 0.0 | 43.214 | 2.131 | 0.0 | 45.762 | 1.669 | 0.0 | 45.728 | 1.765 | 0.0 | 46.073 | 2.391 | 0.0 | 42.254 | 1.916 | 0.0 | 44.039 | 1.588 | 0.0 | 41.536 | 1.52 |
| 86 | 5965 | 5966 | NS | 1 | 0.0 | 50.093 | 6.406 | 0.0 | 46.698 | 5.226 | 0.0 | 39.408 | 3.749 | 0.0 | 46.967 | 4.01 | 0.0 | 50.765 | 5.161 | 0.0 | 48.153 | 4.313 | 0.0 | 37.585 | 3.236 | 0.0 | 44.079 | 3.333 |
| 87 | 5966 | 5967 | NS | 1 | 0.0 | 46.076 | 5.452 | 0.0 | 53.983 | 4.624 | 0.0 | 42.362 | 3.186 | 0.0 | 38.358 | 3.17 | 0.0 | 42.764 | 4.639 | 0.0 | 51.24 | 3.852 | 0.0 | 40.641 | 2.915 | 0.0 | 41.439 | 2.721 |
| 88 | 5966 | 5967 | NS | 1 | 0.0 | 46.257 | 1.676 | 0.0 | 48.37 | 1.416 | 0.0 | 37.977 | 1.247 | 0.0 | 36.769 | 1.097 | 0.0 | 45.783 | 1.409 | 0.0 | 46.225 | 1.203 | 0.0 | 37.337 | 1.009 | 0.0 | 34.905 | 0.884 |
| 89 | 5971 | 5972 | NS | 1 | 0.0 | 51.568 | 11.183 | 0.0 | 53.59 | 11.039 | 0.0 | 45.677 | 7.208 | 0.0 | 48.645 | 7.511 | 0.0 | 54.531 | 10.339 | 0.0 | 54.963 | 10.197 | 0.0 | 46.684 | 6.801 | 0.0 | 46.741 | 6.927 |
| 90 | 5971 | 5972 | NS | 1 | 0.0 | 47.74 | 3.504 | 0.0 | 45.426 | 3.418 | 0.0 | 42.052 | 2.0 | 0.0 | 45.779 | 2.173 | 0.0 | 51.384 | 3.226 | 0.0 | 48.637 | 3.038 | 0.0 | 42.544 | 1.947 | 0.0 | 44.458 | 1.93 |
| 91 | 5971 | 5972 | SN | 1 | 0.0 | 49.721 | 5.897 | 0.0 | 57.095 | 4.942 | 0.0 | 47.535 | 3.854 | 0.0 | 46.951 | 3.865 | 0.0 | 50.459 | 5.115 | 0.0 | 55.683 | 4.399 | 0.0 | 46.508 | 3.508 | 0.0 | 46.658 | 3.552 |
| 92 | 5971 | 5972 | SN | 1 | 0.0 | 49.085 | 1.699 | 0.0 | 47.915 | 1.465 | 0.0 | 42.399 | 1.143 | 0.0 | 43.715 | 0.993 | 0.0 | 51.059 | 1.478 | 0.0 | 45.364 | 1.284 | 0.0 | 38.741 | 1.023 | 0.0 | 43.385 | 0.825 |
| 93 | 5972 | 5973 | NS | 1 | 0.0 | 45.57 | 6.386 | 0.0 | 48.248 | 6.079 | 0.0 | 39.524 | 4.398 | 0.0 | 45.601 | 4.23 | 0.0 | 48.199 | 5.954 | 0.0 | 50.001 | 5.698 | 0.0 | 40.363 | 4.141 | 0.0 | 44.435 | 3.931 |
| 94 | 5972 | 5973 | NS | 1 | 0.0 | 45.442 | 2.086 | 0.0 | 50.383 | 1.896 | 0.0 | 39.384 | 1.367 | 0.0 | 51.924 | 1.491 | 0.0 | 44.32 | 1.801 | 0.0 | 52.57 | 1.713 | 0.0 | 39.635 | 1.186 | 0.0 | 51.617 | 1.287 |
| 95 | 5972 | 5973 | SN | 1 | 0.0 | 49.321 | 6.392 | 0.0 | 48.845 | 5.044 | 0.0 | 45.694 | 5.551 | 0.0 | 47.765 | 5.907 | 0.0 | 50.147 | 5.886 | 0.0 | 48.697 | 4.586 | 0.0 | 46.67 | 5.294 | 0.0 | 50.09 | 5.462 |
| 96 | 5972 | 5973 | SN | 1 | 0.0 | 49.321 | 8.265 | 0.0 | 48.845 | 6.555 | 0.0 | 45.694 | 7.327 | 0.0 | 47.765 | 7.805 | 0.0 | 50.147 | 7.62 | 0.0 | 48.697 | 5.999 | 0.0 | 46.67 | 6.984 | 0.0 | 50.09 | 7.218 |
| 97 | 5972 | 5973 | SN | 1 | 0.0 | 44.444 | 2.391 | 0.0 | 47.295 | 2.135 | 0.0 | 42.047 | 1.896 | 0.0 | 39.846 | 2.075 | 0.0 | 41.877 | 2.256 | 0.0 | 44.383 | 1.918 | 0.0 | 39.101 | 1.727 | 0.0 | 36.017 | 1.85 |
| 98 | 5972 | 5973 | NS | 1 | 0.0 | 45.632 | 6.49 | 0.0 | 48.198 | 6.145 | 0.0 | 42.546 | 4.285 | 0.0 | 47.1 | 4.713 | 0.0 | 48.199 | 6.108 | 0.0 | 46.697 | 6.065 | 0.0 | 44.633 | 4.099 | 0.0 | 46.731 | 4.307 |
| 99 | 5972 | 5973 | NS | 1 | 0.0 | 42.999 | 2.092 | 0.0 | 47.951 | 1.972 | 0.0 | 42.256 | 1.358 | 0.0 | 37.747 | 1.442 | 0.0 | 43.636 | 1.8 | 0.0 | 48.153 | 1.854 | 0.0 | 44.416 | 1.194 | 0.0 | 38.311 | 1.273 |
| 100 | 5972 | 5973 | SN | 1 | 0.0 | 49.321 | 6.328 | 0.0 | 48.845 | 4.993 | 0.0 | 45.694 | 5.502 | 0.0 | 47.765 | 5.847 | 0.0 | 50.147 | 5.827 | 0.0 | 48.697 | 4.54 | 0.0 | 46.67 | 5.248 | 0.0 | 50.09 | 5.406 |
| 101 | 5972 | 5973 | SN | 1 | 0.0 | 44.444 | 2.415 | 0.0 | 47.295 | 2.154 | 0.0 | 42.047 | 1.916 | 0.0 | 39.846 | 2.094 | 0.0 | 41.877 | 2.279 | 0.0 | 44.383 | 1.936 | 0.0 | 39.101 | 1.745 | 0.0 | 36.017 | 1.867 |
| 102 | 5972 | 5973 | SN | 1 | 0.0 | 44.444 | 3.154 | 0.0 | 47.295 | 2.851 | 0.0 | 42.047 | 2.523 | 0.0 | 39.846 | 2.773 | 0.0 | 41.877 | 3.012 | 0.0 | 44.383 | 2.568 | 0.0 | 39.101 | 2.304 | 0.0 | 36.017 | 2.476 |
| 103 | 5973 | 5974 | SN | 1 | 0.0 | 41.97 | 4.303 | 0.0 | 40.881 | 3.604 | 0.0 | 44.671 | 4.017 | 0.0 | 41.107 | 3.708 | 0.0 | 40.424 | 3.571 | 0.0 | 38.492 | 3.131 | 0.0 | 42.361 | 3.826 | 0.0 | 38.013 | 3.68 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|--------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 104 | 5973 | 5974 | NS | 1 | 0.0 | 53.511 | 6.389 | 0.0 | 50.144 | 6.666 | 0.0 | 41.766 | 4.998 | 0.0 | 46.905 | 5.318 | 0.0 | 54.599 | 6.519 | 0.0 | 47.658 | 6.516 | 0.0 | 42.761 | 4.948 | 0.0 | 45.005 | 5.154 |
| 105 | 5973 | 5974 | SN | 1 | 0.0 | 40.596 | 1.737 | 0.0 | 37.277 | 1.56 | 0.0 | 47.338 | 1.457 | 0.0 | 41.382 | 1.465 | 0.0 | 39.084 | 1.535 | 0.0 | 37.57 | 1.352 | 0.0 | 44.684 | 1.346 | 0.0 | 37.452 | 1.293 |
| 106 | 5973 | 5974 | NS | 1 | 0.0 | 40.118 | 2.387 | 0.0 | 43.98 | 2.226 | 0.0 | 38.689 | 1.636 | 0.0 | 48.053 | 1.784 | 0.0 | 39.552 | 2.287 | 0.0 | 45.675 | 2.041 | 0.0 | 40.911 | 1.568 | 0.0 | 45.495 | 1.667 |
| 107 | 5974 | 5975 | NS | 1 | 0.0 | 48.545 | 7.46 | 0.0 | 52.293 | 7.011 | 0.0 | 44.043 | 4.662 | 0.0 | 48.902 | 4.936 | 0.0 | 50.402 | 7.189 | 0.0 | 52.441 | 6.82 | 0.0 | 44.467 | 4.733 | 0.0 | 51.443 | 4.964 |
| 108 | 5974 | 5975 | NS | 1 | 0.0 | 49.563 | 2.228 | 0.0 | 47.81 | 2.022 | 0.0 | 39.792 | 1.424 | 0.0 | 40.968 | 1.563 | 0.0 | 51.626 | 2.069 | 0.0 | 48.754 | 1.897 | 0.0 | 37.267 | 1.418 | 0.0 | 40.67 | 1.497 |
| 109 | 5974 | 5975 | SN | 1 | 0.0 | 46.639 | 2.293 | 0.0 | 41.528 | 1.824 | 0.0 | 41.617 | 1.703 | 0.0 | 39.639 | 1.453 | 0.0 | 42.183 | 1.859 | 0.0 | 46.877 | 1.434 | 0.0 | 41.659 | 1.342 | 0.0 | 36.4 | 1.157 |
| 110 | 5974 | 5975 | SN | 1 | 0.0 | 41.616 | 7.275 | 0.0 | 49.765 | 5.688 | 0.0 | 37.394 | 4.571 | 0.0 | 38.265 | 3.91 | 0.0 | 43.846 | 6.261 | 0.0 | 49.085 | 5.144 | 0.0 | 37.269 | 3.764 | 0.0 | 40.563 | 3.227 |
| 111 | 5975 | 5976 | NS | 1 | 0.0 | 46.5 | 4.939 | 0.0 | 48.735 | 4.129 | 0.0 | 39.272 | 3.199 | 0.0 | 44.65 | 3.737 | 0.0 | 47.948 | 4.277 | 0.0 | 46.383 | 3.588 | 0.0 | 40.039 | 2.942 | 0.0 | 44.942 | 3.416 |
| 112 | 5975 | 5976 | SN | 1 | 0.0 | 44.236 | 7.756 | 0.0 | 46.964 | 6.404 | 0.0 | 40.663 | 5.434 | 0.0 | 46.63 | 5.133 | 0.0 | 42.566 | 6.994 | 0.0 | 47.31 | 5.477 | 0.0 | 40.997 | 5.045 | 0.0 | 48.608 | 4.621 |
| 113 | 5975 | 5976 | NS | 1 | 0.0 | 46.008 | 1.519 | 0.0 | 42.114 | 1.254 | 0.0 | 40.787 | 1.039 | 0.0 | 42.957 | 1.111 | 0.0 | 47.86 | 1.268 | 0.0 | 39.18 | 1.082 | 0.0 | 40.783 | 0.847 | 0.0 | 40.615 | 0.955 |
| 114 | 5975 | 5976 | SN | 1 | 0.0 | 39.617 | 2.666 | 0.0 | 43.22 | 2.307 | 0.0 | 39.654 | 2.041 | 0.0 | 39.582 | 2.056 | 0.0 | 37.785 | 2.235 | 0.0 | 46.513 | 1.926 | 0.0 | 39.083 | 1.707 | 0.0 | 37.117 | 1.684 |
| 115 | 5976 | 5977 | SN | 1 | 0.0 | 46.925 | 2.585 | 0.0 | 44.815 | 2.601 | 0.0 | 42.471 | 1.862 | 0.0 | 45.183 | 1.751 | 0.0 | 46.521 | 2.21 | 0.0 | 42.84 | 2.353 | 0.0 | 40.128 | 1.575 | 0.0 | 43.806 | 1.613 |
| 116 | 5976 | 5977 | NS | 1 | 0.0 | 49.67 | 6.667 | 0.0 | 51.661 | 5.302 | 0.0 | 48.146 | 4.196 | 0.0 | 39.817 | 4.014 | 0.0 | 47.637 | 5.803 | 0.0 | 53.218 | 4.671 | 0.0 | 46.558 | 3.69 | 0.0 | 42.943 | 3.637 |
| 117 | 5976 | 5977 | NS | 1 | 0.0 | 52.584 | 1.845 | 0.0 | 43.632 | 1.496 | 0.0 | 40.957 | 1.324 | 0.0 | 40.527 | 1.209 | 0.0 | 49.027 | 1.494 | 0.0 | 43.481 | 1.245 | 0.0 | 39.371 | 1.153 | 0.0 | 39.196 | 1.017 |
| 118 | 5976 | 5977 | SN | 1 | 0.0 | 50.154 | 7.905 | 0.0 | 57.457 | 7.585 | 0.0 | 41.212 | 5.424 | 0.0 | 42.663 | 5.581 | 0.0 | 52.15 | 7.152 | 0.0 | 55.512 | 6.716 | 0.0 | 41.778 | 4.893 | 0.0 | 43.311 | 5.119 |
| 119 | 5976 | 5977 | SN | 1 | 0.0 | 50.154 | 7.798 | 0.0 | 57.457 | 7.51 | 0.0 | 41.212 | 5.349 | 0.0 | 42.663 | 5.516 | 0.0 | 52.15 | 7.045 | 0.0 | 55.512 | 6.632 | 0.0 | 41.778 | 4.825 | 0.0 | 43.311 | 5.06 |
| 120 | 5976 | 5977 | SN | 1 | 0.0 | 46.925 | 2.625 | 0.0 | 44.815 | 2.634 | 0.0 | 42.471 | 1.891 | 0.0 | 45.183 | 1.773 | 0.0 | 46.521 | 2.244 | 0.0 | 42.84 | 2.384 | 0.0 | 40.128 | 1.599 | 0.0 | 43.806 | 1.636 |
| 121 | 5977 | 5978 | SN | 1 | 0.0 | 52.895 | 10.084 | 0.0 | 57.788 | 9.019 | 0.0 | 50.558 | 7.294 | 0.0 | 48.683 | 7.126 | 0.0 | 53.452 | 9.811 | 0.0 | 59.23 | 8.787 | 0.0 | 48.721 | 6.953 | 0.0 | 44.029 | 6.775 |
| 122 | 5977 | 5978 | SN | 1 | 0.0 | 52.895 | 9.721 | 0.0 | 57.788 | 8.751 | 0.0 | 50.558 | 6.982 | 0.0 | 48.683 | 6.911 | 0.0 | 53.452 | 9.42 | 0.0 | 59.23 | 8.489 | 0.0 | 48.721 | 6.643 | 0.0 | 44.029 | 6.542 |
| 123 | 5977 | 5978 | SN | 1 | 0.0 | 46.65 | 3.335 | 0.0 | 45.879 | 3.243 | 0.0 | 44.667 | 2.345 | 0.0 | 48.737 | 2.172 | 0.0 | 44.867 | 3.189 | 0.0 | 47.14 | 2.986 | 0.0 | 44.83 | 2.204 | 0.0 | 49.677 | 1.947 |
| 124 | 5977 | 5978 | NS | 1 | 0.0 | 44.23 | 1.892 | 0.0 | 43.333 | 1.598 | 0.0 | 40.083 | 1.3 | 0.0 | 39.39 | 1.384 | 0.0 | 43.133 | 1.446 | 0.0 | 42.018 | 1.241 | 0.0 | 39.275 | 1.115 | 0.0 | 37.369 | 1.077 |
| 125 | 5977 | 5978 | NS | 1 | 0.0 | 44.359 | 5.527 | 0.0 | 45.734 | 4.611 | 0.0 | 40.709 | 3.935 | 0.0 | 49.861 | 3.964 | 0.0 | 41.293 | 4.522 | 0.0 | 45.165 | 3.678 | 0.0 | 36.555 | 3.543 | 0.0 | 51.334 | 3.395 |
| 126 | 5977 | 5978 | SN | 1 | 0.0 | 46.65 | 3.488 | 0.0 | 45.879 | 3.365 | 0.0 | 44.667 | 2.454 | 0.0 | 48.737 | 2.261 | 0.0 | 44.867 | 3.34 | 0.0 | 47.14 | 3.11 | 0.0 | 44.83 | 2.308 | 0.0 | 49.677 | 2.029 |
| 127 | 5978 | 5979 | NS | 1 | 0.0 | 51.144 | 1.491 | 0.0 | 42.973 | 1.32 | 0.0 | 42.686 | 1.255 | 0.0 | 38.166 | 1.267 | 0.0 | 49.239 | 1.22 | 0.0 | 43.409 | 1.1 | 0.0 | 41.21 | 1.054 | 0.0 | 39.122 | 1.107 |
| 128 | 5978 | 5979 | SN | 1 | 0.0 | 48.822 | 7.295 | 0.0 | 50.144 | 7.4 | 0.0 | 50.833 | 5.85 | 0.0 | 44.86 | 6.045 | 0.0 | 50.299 | 6.944 | 0.0 | 49.19 | 6.764 | 0.0 | 47.26 | 5.695 | 0.0 | 46.435 | 5.81 |
| 129 | 5978 | 5979 | SN | 1 | 0.0 | 45.886 | 2.949 | 0.0 | 46.416 | 2.815 | 0.0 | 45.063 | 2.015 | 0.0 | 41.189 | 1.93 | 0.0 | 43.778 | 2.788 | 0.0 | 45.704 | 2.74 | 0.0 | 45.422 | 1.959 | 0.0 | 40.312 | 1.799 |
| 130 | 5978 | 5979 | SN | 1 | 0.0 | 48.822 | 7.72 | 0.0 | 50.144 | 7.377 | 0.0 | 50.833 | 6.306 | 0.0 | 44.86 | 6.256 | 0.0 | 50.299 | 7.39 | 0.0 | 49.19 | 6.759 | 0.0 | 47.26 | 6.189 | 0.0 | 46.435 | 6.115 |
| 131 | 5978 | 5979 | NS | 1 | 0.0 | 46.343 | 4.27 | 0.0 | 47.954 | 4.24 | 0.0 | 47.298 | 3.843 | 0.0 | 44.95 | 3.907 | 0.0 | 45.239 | 3.436 | 0.0 | 50.804 | 3.348 | 0.0 | 47.155 | 3.351 | 0.0 | 46.372 | 3.523 |
| 132 | 5978 | 5979 | SN | 1 | 0.0 | 45.886 | 2.744 | 0.0 | 46.416 | 2.712 | 0.0 | 45.063 | 1.86 | 0.0 | 41.351 | 1.842 | 0.0 | 43.778 | 2.585 | 0.0 | 45.704 | 2.611 | 0.0 | 45.422 | 1.8 | 0.0 | 40.312 | 1.714 |
| 133 | 5979 | 5980 | SN | 1 | 0.0 | 43.229 | 4.624 | 0.0 | 50.231 | 4.198 | 0.0 | 41.07 | 3.727 | 0.0 | 38.762 | 4.206 | 0.0 | 43.134 | 4.082 | 0.0 | 51.129 | 3.725 | 0.0 | 41.45 | 3.67 | 0.0 | 41.186 | 3.914 |
| 134 | 5979 | 5980 | NS | 1 | 0.0 | 48.748 | 8.529 | 0.0 | 54.202 | 6.977 | 0.0 | 45.779 | 5.71 | 0.0 | 51.244 | 5.319 | 0.0 | 51.384 | 8.168 | 0.0 | 52.532 | 6.687 | 0.0 | 44.943 | 5.404 | 0.0 | 52.143 | 4.763 |
| 135 | 5979 | 5980 | NS | 1 | 0.0 | 48.748 | 8.529 | 0.0 | 54.202 | 6.977 | 0.0 | 45.779 | 5.71 | 0.0 | 51.244 | 5.319 | 0.0 | 51.384 | 8.168 | 0.0 | 52.532 | 6.687 | 0.0 | 44.943 | 5.404 | 0.0 | 52.143 | 4.763 |
| 136 | 5979 | 5980 | NS | 1 | 0.0 | 45.137 | 2.769 | 0.0 | 45.44 | 2.17 | 0.0 | 42.62 | 2.059 | 0.0 | 39.668 | 1.791 | 0.0 | 45.378 | 2.595 | 0.0 | 51.341 | 1.958 | 0.0 | 40.736 | 1.861 | 0.0 | 37.606 | 1.555 |
| 137 | 5979 | 5980 | NS | 1 | 0.0 | 45.137 | 2.769 | 0.0 | 45.44 | 2.17 | 0.0 | 42.62 | 2.059 | 0.0 | 39.668 | 1.791 | 0.0 | 45.378 | 2.595 | 0.0 | 51.341 | 1.958 | 0.0 | 40.736 | 1.861 | 0.0 | 37.606 | 1.555 |
| 138 | 5979 | 5980 | SN | 1 | 0.0 | 50.604 | 1.651 | 0.0 | 47.787 | 1.603 | 0.0 | 45.295 | 1.342 | 0.0 | 43.878 | 1.439 | 0.0 | 47.836 | 1.438 | 0.0 | 45.453 | 1.496 | 0.0 | 43.513 | 1.263 | 0.0 | 40.562 | 1.222 |
| 139 | 5979 | 5980 | SN | 1 | 0.0 | 50.604 | 1.651 | 0.0 | 47.787 | 1.603 | 0.0 | 45.295 | 1.342 | 0.0 | 43.878 | 1.439 | 0.0 | 47.836 | 1.438 | 0.0 | 45.453 | 1.496 | 0.0 | 43.513 | 1.263 | 0.0 | 40.562 | 1.222 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 140 | 5979 | 5980 | SN | 1 | 0.0 | 43.229 | 4.624 | 0.0 | 50.231 | 4.198 | 0.0 | 41.07 | 3.727 | 0.0 | 38.762 | 4.206 | 0.0 | 43.134 | 4.082 | 0.0 | 51.129 | 3.725 | 0.0 | 41.45 | 3.67 | 0.0 | 41.186 | 3.914 |
| 141 | 5980 | 5981 | NS | 1 | 0.0 | 51.886 | 6.155 | 0.0 | 48.33 | 4.905 | 0.0 | 45.949 | 4.34 | 0.0 | 45.91 | 4.53 | 0.0 | 50.436 | 5.493 | 0.0 | 47.545 | 4.394 | 0.0 | 43.827 | 3.834 | 0.0 | 46.153 | 3.903 |
| 142 | 5980 | 5981 | NS | 1 | 0.0 | 44.496 | 2.234 | 0.0 | 43.167 | 1.854 | 0.0 | 43.663 | 1.517 | 0.0 | 42.259 | 1.547 | 0.0 | 44.456 | 1.809 | 0.0 | 40.371 | 1.621 | 0.0 | 43.248 | 1.256 | 0.0 | 39.411 | 1.218 |
| 143 | 5980 | 5981 | NS | 1 | 0.0 | 44.496 | 2.234 | 0.0 | 43.167 | 1.854 | 0.0 | 43.663 | 1.517 | 0.0 | 42.259 | 1.547 | 0.0 | 44.456 | 1.809 | 0.0 | 40.371 | 1.621 | 0.0 | 43.248 | 1.256 | 0.0 | 39.411 | 1.218 |
| 144 | 5980 | 5981 | NS | 1 | 0.0 | 51.886 | 6.155 | 0.0 | 48.33 | 4.905 | 0.0 | 45.949 | 4.34 | 0.0 | 45.91 | 4.53 | 0.0 | 50.436 | 5.493 | 0.0 | 47.545 | 4.394 | 0.0 | 43.827 | 3.834 | 0.0 | 46.153 | 3.903 |

| | | | | | |
|--------------------------|------------|------|--------|--------|------------|
| 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 | 5956 | 5957 | SN | 1 | 0.0 | 25.634 | 10.32 | 0.0 | 28.259 | 10.268 | 0.0 | 155.302 | 5.128 | 0.0 | 80.174 | 5.647 | 0.0 | 1.908 | 0.0 | 1.967 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.111 | 0.0 | |
| 2 | 5956 | 5957 | SN | 1 | 0.0 | 25.634 | 10.152 | 0.0 | 28.259 | 9.665 | 0.0 | 155.302 | 4.846 | 0.0 | 15.668 | 4.959 | 0.0 | 1.908 | 0.0 | 1.966 | 0.0 | 0.0 | 2.073 | 0.0 | 0.0 | 2.099 | 0.0 | |
| 3 | 5956 | 5957 | SN | 1 | 0.0 | 31.485 | 16.708 | 0.0 | 24.106 | 12.618 | 0.0 | 147.719 | 14.037 | 0.0 | 15.85 | 11.567 | 0.0 | 1.902 | 0.0 | 1.931 | 0.0 | 0.0 | 2.073 | 0.0 | 0.0 | 2.098 | 0.0 | |
| 4 | 5956 | 5957 | SN | 1 | 0.0 | 31.485 | 20.55 | 0.0 | 25.965 | 13.563 | 0.0 | 147.719 | 15.344 | 0.0 | 57.494 | 12.777 | 0.0 | 1.902 | 0.0 | 1.931 | 0.0 | 0.0 | 2.056 | 0.0 | 0.0 | 2.098 | 0.0 | |
| 5 | 5956 | 5957 | SN | 1 | 0.0 | 24.691 | 11.794 | 0.0 | 28.259 | 9.184 | 0.0 | 155.302 | 3.306 | 0.0 | 80.174 | 5.049 | 0.0 | 1.908 | 0.0 | 1.934 | 0.0 | 0.0 | 2.05 | 0.0 | 0.0 | 2.095 | 0.0 | |
| 6 | 5956 | 5957 | SN | 1 | 0.0 | 31.485 | 16.374 | 0.0 | 25.97 | 13.85 | 0.0 | 147.719 | 13.492 | 0.0 | 57.494 | 13.811 | 0.0 | 1.902 | 0.0 | 1.957 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.106 | 0.0 | |
| 7 | 5957 | 5958 | SN | 1 | 0.0 | 25.628 | 10.257 | 0.0 | 28.253 | 9.895 | 0.0 | 164.634 | 4.891 | 0.0 | 15.723 | 5.017 | 0.0 | 1.903 | 0.0 | 1.966 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.101 | 0.0 | |
| 8 | 5957 | 5958 | SN | 1 | 0.0 | 32.048 | 20.852 | 0.0 | 25.965 | 13.265 | 0.0 | 159.703 | 17.34 | 0.0 | 58.917 | 12.299 | 0.0 | 1.9 | 0.0 | 1.931 | 0.0 | 0.0 | 2.057 | 0.0 | 0.0 | 2.099 | 0.0 | |
| 9 | 5957 | 5958 | SN | 1 | 0.0 | 25.628 | 12.402 | 0.0 | 28.253 | 9.967 | 0.0 | 164.634 | 4.774 | 0.0 | 65.645 | 5.16 | 0.0 | 1.903 | 0.0 | 1.963 | 0.0 | 0.0 | 2.054 | 0.0 | 0.0 | 2.101 | 0.0 | |
| 10 | 5957 | 5958 | SN | 1 | 0.0 | 32.048 | 16.638 | 0.0 | 24.106 | 12.578 | 0.0 | 159.703 | 13.961 | 0.0 | 15.949 | 11.65 | 0.0 | 1.9 | 0.0 | 1.931 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.099 | 0.0 | |
| 11 | 5957 | 5958 | SN | 1 | 0.0 | 32.048 | 16.402 | 0.0 | 25.965 | 13.843 | 0.0 | 159.703 | 13.466 | 0.0 | 58.917 | 13.577 | 0.0 | 1.9 | 0.0 | 1.941 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.116 | 0.0 | |
| 12 | 5957 | 5958 | NS | 1 | 0.0 | 26.897 | 8.612 | 0.0 | 25.722 | 8.561 | 0.0 | 355.141 | 2.829 | 0.0 | 23.825 | 2.385 | 0.0 | 1.914 | 0.0 | 1.942 | 0.0 | 0.0 | 2.056 | 0.0 | 0.0 | 2.035 | 0.0 | |
| 13 | 5957 | 5958 | NS | 1 | 0.0 | 25.921 | 14.983 | 0.0 | 32.417 | 15.598 | 0.0 | 356.057 | 10.892 | 0.0 | 35.153 | 10.981 | 0.0 | 1.92 | 0.0 | 1.954 | 0.0 | 0.0 | 2.061 | 0.0 | 0.0 | 2.035 | 0.0 | |
| 14 | 5957 | 5958 | NS | 1 | 0.0 | 25.921 | 14.983 | 0.0 | 32.417 | 15.598 | 0.0 | 356.057 | 10.892 | 0.0 | 35.153 | 10.981 | 0.0 | 1.92 | 0.0 | 1.954 | 0.0 | 0.0 | 2.061 | 0.0 | 0.0 | 2.035 | 0.0 | |
| 15 | 5957 | 5958 | SN | 1 | 0.0 | 25.628 | 10.325 | 0.0 | 28.253 | 10.305 | 0.0 | 164.634 | 4.836 | 0.0 | 65.645 | 5.456 | 0.0 | 1.903 | 0.0 | 1.966 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.11 | 0.0 | |
| 16 | 5957 | 5958 | NS | 1 | 0.0 | 26.897 | 8.612 | 0.0 | 25.722 | 8.561 | 0.0 | 355.141 | 2.829 | 0.0 | 23.825 | 2.385 | 0.0 | 1.914 | 0.0 | 1.942 | 0.0 | 0.0 | 2.056 | 0.0 | 0.0 | 2.035 | 0.0 | |
| 17 | 5958 | 5959 | NS | 1 | 0.0 | 26.919 | 8.596 | 0.0 | 25.722 | 8.574 | 0.0 | 355.268 | 2.824 | 0.0 | 52.79 | 2.37 | 0.0 | 1.913 | 0.0 | 1.938 | 0.0 | 0.0 | 2.057 | 0.0 | 0.0 | 2.044 | 0.0 | |
| 18 | 5958 | 5959 | SN | 1 | 0.0 | 32.108 | 16.671 | 0.0 | 24.101 | 12.526 | 0.0 | 158.148 | 13.944 | 0.0 | 15.966 | 12.041 | 0.0 | 1.9 | 0.0 | 1.934 | 0.0 | 0.0 | 2.076 | 0.0 | 0.0 | 2.099 | 0.0 | |
| 19 | 5958 | 5959 | NS | 1 | 0.0 | 25.915 | 14.973 | 0.0 | 32.423 | 15.675 | 0.0 | 357.436 | 10.871 | 0.0 | 48.102 | 10.895 | 0.0 | 1.929 | 0.0 | 1.947 | 0.0 | 0.0 | 2.061 | 0.0 | 0.0 | 2.035 | 0.0 | |
| 20 | 5958 | 5959 | NS | 1 | 0.0 | 25.915 | 14.951 | 0.0 | 32.423 | 15.67 | 0.0 | 357.888 | 10.859 | 0.0 | 45.912 | 10.854 | 0.0 | 1.918 | 0.0 | 1.947 | 0.0 | 0.0 | 2.061 | 0.0 | 0.0 | 2.034 | 0.0 | |
| 21 | 5958 | 5959 | SN | 1 | 0.0 | 32.108 | 16.494 | 0.0 | 25.965 | 13.703 | 0.0 | 158.148 | 13.562 | 0.0 | 23.549 | 13.682 | 0.0 | 1.9 | 0.0 | 1.941 | 0.0 | 0.0 | 2.076 | 0.0 | 0.0 | 2.099 | 0.0 | |
| 22 | 5958 | 5959 | SN | 1 | 0.0 | 25.623 | 10.439 | 0.0 | 28.259 | 10.289 | 0.0 | 171.505 | 5.17 | 0.0 | 71.088 | 5.688 | 0.0 | 1.898 | 0.0 | 1.968 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.114 | 0.0 | |
| 23 | 5958 | 5959 | SN | 1 | 0.0 | 32.108 | 16.478 | 0.0 | 25.965 | 13.898 | 0.0 | 158.148 | 13.514 | 0.0 | 140.007 | 13.891 | 0.0 | 1.9 | 0.0 | 1.941 | 0.0 | 0.0 | 2.076 | 0.0 | 0.0 | 2.099 | 0.0 | |
| 24 | 5958 | 5959 | SN | 1 | 0.0 | 25.623 | 10.445 | 0.0 | 28.259 | 9.95 | 0.0 | 171.505 | 5.272 | 0.0 | 15.723 | 5.284 | 0.0 | 1.898 | 0.0 | 1.968 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.101 | 0.0 | |
| 25 | 5958 | 5959 | NS | 1 | 0.0 | 26.924 | 8.602 | 0.0 | 26.985 | 8.586 | 0.0 | 355.268 | 2.825 | 0.0 | 34.998 | 2.364 | 0.0 | 1.911 | 0.0 | 1.938 | 0.0 | 0.0 | 2.056 | 0.0 | 0.0 | 2.037 | 0.0 | |
| 26 | 5958 | 5959 | SN | 1 | 0.0 | 25.623 | 10.448 | 0.0 | 28.259 | 10.273 | 0.0 | 171.505 | 5.192 | 0.0 | 16.313 | 5.621 | 0.0 | 1.898 | 0.0 | 1.968 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.114 | 0.0 | |
| 27 | 5959 | 5960 | SN | 1 | 0.0 | 25.623 | 10.583 | 0.0 | 28.248 | 10.084 | 0.0 | 168.621 | 6.173 | 0.0 | 66.252 | 5.436 | 0.0 | 1.909 | 0.0 | 1.966 | 0.0 | 0.0 | 2.068 | 0.0 | 0.0 | 2.101 | 0.0 | |
| 28 | 5959 | 5960 | SN | 1 | 0.0 | 32.092 | 16.492 | 0.0 | 25.965 | 13.27 | 0.0 | 159.494 | 15.516 | 0.0 | 49.999 | 12.835 | 0.0 | 1.912 | 0.0 | 1.937 | 0.0 | 0.0 | 2.071 | 0.0 | 0.0 | 2.1 | 0.0 | |
| 29 | 5959 | 5960 | SN | 1 | 0.0 | 25.623 | 10.458 | 0.0 | 28.248 | 9.958 | 0.0 | 168.621 | 5.285 | 0.0 | 15.729 | 5.278 | 0.0 | 1.909 | 0.0 | 1.966 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.101 | 0.0 | |
| 30 | 5959 | 5960 | SN | 1 | 0.0 | 32.092 | 16.667 | 0.0 | 24.101 | 12.57 | 0.0 | 159.494 | 13.996 | 0.0 | 15.982 | 12.066 | 0.0 | 1.912 | 0.0 | 1.937 | 0.0 | 0.0 | 2.076 | 0.0 | 0.0 | 2.1 | 0.0 | |
| 31 | 5959 | 5960 | SN | 1 | 0.0 | 25.623 | 10.466 | 0.0 | 28.248 | 10.311 | 0.0 | 168.621 | 5.207 | 0.0 | 66.202 | 5.697 | 0.0 | 1.909 | 0.0 | 1.966 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.113 | 0.0 | |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|-------|---------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-------|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 32 | 5959 | 5960 | NS | 1 | 0.0 | 26.913 | 8.599 | 0.0 | 25.716 | 8.54 | 0.0 | 143.608 | 2.797 | 0.0 | 58.205 | 2.329 | 0.0 | 1.911 | 0.0 | 0.0 | 1.949 | 0.0 | 0.0 | 2.056 | 0.0 | 0.0 | 2.067 | 0.0 |
| 33 | 5959 | 5960 | NS | 1 | 0.0 | 25.915 | 14.93 | 0.0 | 32.439 | 15.697 | 0.0 | 352.042 | 10.857 | 0.0 | 48.3 | 10.788 | 0.0 | 1.919 | 0.0 | 0.0 | 1.959 | 0.0 | 0.0 | 2.061 | 0.0 | 0.0 | 2.035 | 0.0 |
| 34 | 5959 | 5960 | NS | 1 | 0.0 | 26.913 | 8.599 | 0.0 | 25.716 | 8.54 | 0.0 | 143.608 | 2.797 | 0.0 | 58.205 | 2.329 | 0.0 | 1.911 | 0.0 | 0.0 | 1.949 | 0.0 | 0.0 | 2.056 | 0.0 | 0.0 | 2.067 | 0.0 |
| 35 | 5959 | 5960 | SN | 1 | 0.0 | 32.092 | 16.493 | 0.0 | 25.959 | 13.823 | 0.0 | 159.494 | 13.508 | 0.0 | 49.982 | 13.869 | 0.0 | 1.912 | 0.0 | 0.0 | 1.961 | 0.0 | 0.0 | 2.076 | 0.0 | 0.0 | 2.1 | 0.0 |
| 36 | 5959 | 5960 | NS | 1 | 0.0 | 25.915 | 14.93 | 0.0 | 32.439 | 15.697 | 0.0 | 352.042 | 10.857 | 0.0 | 48.3 | 10.788 | 0.0 | 1.919 | 0.0 | 0.0 | 1.959 | 0.0 | 0.0 | 2.061 | 0.0 | 0.0 | 2.035 | 0.0 |
| 37 | 5960 | 5961 | NS | 1 | 0.0 | 25.909 | 14.902 | 0.0 | 32.423 | 15.664 | 0.0 | 356.509 | 10.796 | 0.0 | 46.872 | 10.718 | 0.0 | 1.924 | 0.0 | 0.0 | 1.952 | 0.0 | 0.0 | 2.061 | 0.0 | 0.0 | 2.034 | 0.0 |
| 38 | 5960 | 5961 | SN | 1 | 0.0 | 25.623 | 10.47 | 0.0 | 28.248 | 10.316 | 0.0 | 190.163 | 5.207 | 0.0 | 72.66 | 5.681 | 0.0 | 1.929 | 0.0 | 0.0 | 1.967 | 0.0 | 0.0 | 2.076 | 0.0 | 0.0 | 2.101 | 0.0 |
| 39 | 5960 | 5961 | NS | 1 | 0.0 | 25.915 | 14.922 | 0.0 | 32.417 | 15.654 | 0.0 | 356.509 | 10.803 | 0.0 | 46.883 | 10.754 | 0.0 | 1.915 | 0.0 | 0.0 | 1.952 | 0.0 | 0.0 | 2.061 | 0.0 | 0.0 | 2.034 | 0.0 |
| 40 | 5960 | 5961 | NS | 1 | 0.0 | 26.93 | 8.598 | 0.0 | 27.001 | 8.546 | 0.0 | 163.854 | 2.811 | 0.0 | 33.377 | 2.323 | 0.0 | 1.909 | 0.0 | 0.0 | 1.943 | 0.0 | 0.0 | 2.056 | 0.0 | 0.0 | 2.056 | 0.0 |
| 41 | 5960 | 5961 | NS | 1 | 0.0 | 26.93 | 8.598 | 0.0 | 27.001 | 8.539 | 0.0 | 124.57 | 2.809 | 0.0 | 33.366 | 2.318 | 0.0 | 1.909 | 0.0 | 0.0 | 1.943 | 0.0 | 0.0 | 2.056 | 0.0 | 0.0 | 2.055 | 0.0 |
| 42 | 5960 | 5961 | SN | 1 | 0.761 | 31.397 | 16.473 | 0.0 | 25.959 | 13.883 | 0.0 | 176.706 | 13.574 | 0.0 | 159.982 | 13.929 | 0.001 | 1.901 | 0.0 | 0.0 | 1.947 | 0.0 | 0.0 | 2.076 | 0.0 | 0.0 | 2.118 | 0.0 |
| 43 | 5960 | 5961 | SN | 1 | 0.761 | 31.397 | 16.473 | 0.0 | 25.959 | 13.883 | 0.0 | 176.706 | 13.574 | 0.0 | 159.982 | 13.929 | 0.001 | 1.901 | 0.0 | 0.0 | 1.947 | 0.0 | 0.0 | 2.076 | 0.0 | 0.0 | 2.118 | 0.0 |
| 44 | 5960 | 5961 | SN | 1 | 0.0 | 25.623 | 10.47 | 0.0 | 28.248 | 10.316 | 0.0 | 190.163 | 5.207 | 0.0 | 72.66 | 5.681 | 0.0 | 1.929 | 0.0 | 0.0 | 1.967 | 0.0 | 0.0 | 2.076 | 0.0 | 0.0 | 2.101 | 0.0 |
| 45 | 5961 | 5962 | SN | 1 | 0.0 | 25.628 | 10.447 | 0.0 | 28.242 | 10.357 | 0.0 | 195.027 | 5.235 | 0.0 | 65.496 | 5.699 | 0.0 | 1.929 | 0.0 | 0.0 | 1.968 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.101 | 0.0 |
| 46 | 5961 | 5962 | NS | 1 | 0.0 | 25.92 | 14.977 | 0.0 | 36.592 | 15.621 | 0.0 | 357.976 | 10.84 | 0.0 | 35.544 | 10.807 | 0.0 | 1.925 | 0.0 | 0.0 | 1.957 | 0.0 | 0.0 | 2.06 | 0.0 | 0.0 | 2.034 | 0.0 |
| 47 | 5961 | 5962 | SN | 1 | 0.0 | 31.469 | 16.474 | 0.0 | 25.965 | 13.801 | 0.0 | 172.007 | 13.662 | 0.0 | 32.638 | 13.836 | 0.0 | 1.9 | 0.0 | 0.0 | 1.944 | 0.0 | 0.0 | 2.076 | 0.0 | 0.0 | 2.118 | 0.0 |
| 48 | 5961 | 5962 | SN | 1 | 0.0 | 31.469 | 16.481 | 0.0 | 25.965 | 13.883 | 0.0 | 172.007 | 13.645 | 0.0 | 131.42 | 13.929 | 0.0 | 1.9 | 0.0 | 0.0 | 1.944 | 0.0 | 0.0 | 2.076 | 0.0 | 0.0 | 2.118 | 0.0 |
| 49 | 5961 | 5962 | SN | 1 | 0.0 | 31.469 | 16.481 | 0.0 | 25.965 | 13.883 | 0.0 | 172.007 | 13.645 | 0.0 | 131.42 | 13.929 | 0.0 | 1.9 | 0.0 | 0.0 | 1.944 | 0.0 | 0.0 | 2.076 | 0.0 | 0.0 | 2.118 | 0.0 |
| 50 | 5961 | 5962 | SN | 1 | 0.0 | 25.628 | 10.447 | 0.0 | 28.242 | 10.357 | 0.0 | 195.027 | 5.235 | 0.0 | 65.496 | 5.699 | 0.0 | 1.929 | 0.0 | 0.0 | 1.968 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.101 | 0.0 |
| 51 | 5961 | 5962 | NS | 1 | 0.0 | 25.921 | 14.957 | 0.0 | 36.587 | 15.621 | 0.0 | 357.976 | 10.84 | 0.0 | 35.522 | 10.806 | 0.0 | 1.925 | 0.0 | 0.0 | 1.957 | 0.0 | 0.0 | 2.06 | 0.0 | 0.0 | 2.034 | 0.0 |
| 52 | 5961 | 5962 | SN | 1 | 0.0 | 25.628 | 10.456 | 0.0 | 28.242 | 10.36 | 0.0 | 195.027 | 5.247 | 0.0 | 20.985 | 5.667 | 0.0 | 1.929 | 0.0 | 0.0 | 1.968 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.101 | 0.0 |
| 53 | 5961 | 5962 | NS | 1 | 0.0 | 26.919 | 8.598 | 0.0 | 27.007 | 8.546 | 0.0 | 357.976 | 2.792 | 0.0 | 33.956 | 2.309 | 0.0 | 1.907 | 0.0 | 0.0 | 1.943 | 0.0 | 0.0 | 2.056 | 0.0 | 0.0 | 2.051 | 0.0 |
| 54 | 5961 | 5962 | NS | 1 | 0.0 | 26.902 | 8.598 | 0.0 | 25.722 | 8.542 | 0.0 | 357.976 | 2.79 | 0.0 | 33.934 | 2.315 | 0.0 | 1.907 | 0.0 | 0.0 | 1.943 | 0.0 | 0.0 | 2.056 | 0.0 | 0.0 | 2.051 | 0.0 |
| 55 | 5962 | 5963 | SN | 1 | 0.0 | 25.639 | 10.418 | 0.0 | 28.248 | 10.293 | 0.0 | 161.066 | 5.237 | 0.0 | 15.723 | 5.485 | 0.0 | 1.928 | 0.0 | 0.0 | 1.967 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.101 | 0.0 |
| 56 | 5962 | 5963 | SN | 1 | 0.011 | 31.48 | 16.406 | 0.0 | 25.965 | 13.829 | 0.0 | 148.899 | 13.596 | 0.0 | 57.83 | 13.894 | 0.0 | 1.9 | 0.0 | 0.0 | 1.944 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.115 | 0.0 |
| 57 | 5962 | 5963 | SN | 1 | 0.011 | 31.48 | 16.406 | 0.0 | 25.965 | 13.829 | 0.0 | 148.899 | 13.596 | 0.0 | 57.83 | 13.894 | 0.0 | 1.9 | 0.0 | 0.0 | 1.944 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.115 | 0.0 |
| 58 | 5962 | 5963 | NS | 1 | 0.0 | 26.908 | 8.587 | 0.0 | 27.001 | 8.503 | 0.0 | 354.937 | 2.78 | 0.0 | 34.568 | 2.331 | 0.0 | 1.913 | 0.0 | 0.0 | 1.94 | 0.0 | 0.0 | 2.055 | 0.0 | 0.0 | 2.047 | 0.0 |
| 59 | 5962 | 5963 | SN | 1 | 0.0 | 31.48 | 16.426 | 0.0 | 25.965 | 13.351 | 0.0 | 148.899 | 13.704 | 0.0 | 17.472 | 13.388 | 0.0 | 1.9 | 0.0 | 0.0 | 1.944 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.115 | 0.0 |
| 60 | 5962 | 5963 | NS | 1 | 0.0 | 25.898 | 14.945 | 0.0 | 32.395 | 15.596 | 0.0 | 356.923 | 10.808 | 0.0 | 48.306 | 10.789 | 0.0 | 1.92 | 0.0 | 0.0 | 1.952 | 0.0 | 0.0 | 2.06 | 0.0 | 0.0 | 2.033 | 0.0 |
| 61 | 5962 | 5963 | NS | 1 | 0.0 | 25.915 | 14.987 | 0.0 | 32.312 | 15.559 | 0.0 | 356.923 | 10.797 | 0.0 | 34.656 | 10.771 | 0.0 | 1.925 | 0.0 | 0.0 | 1.953 | 0.0 | 0.0 | 2.061 | 0.0 | 0.0 | 2.034 | 0.0 |
| 62 | 5962 | 5963 | SN | 1 | 0.0 | 25.639 | 10.398 | 0.0 | 28.248 | 10.341 | 0.0 | 161.066 | 5.189 | 0.0 | 67.024 | 5.628 | 0.0 | 1.928 | 0.0 | 0.0 | 1.967 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.101 | 0.0 |
| 63 | 5962 | 5963 | NS | 1 | 0.0 | 26.924 | 8.584 | 0.0 | 27.001 | 8.514 | 0.0 | 355.946 | 2.793 | 0.0 | 34.568 | 2.337 | 0.0 | 1.907 | 0.0 | 0.0 | 1.94 | 0.0 | 0.0 | 2.055 | 0.0 | 0.0 | 2.041 | 0.0 |
| 64 | 5962 | 5963 | SN | 1 | 0.0 | 25.639 | 10.398 | 0.0 | 28.248 | 10.341 | 0.0 | 161.066 | 5.189 | 0.0 | 67.024 | 5.628 | 0.0 | 1.928 | 0.0 | 0.0 | 1.967 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.101 | 0.0 |
| 65 | 5963 | 5964 | SN | 1 | 0.0 | 31.518 | 16.438 | 0.0 | 25.965 | 13.822 | 0.0 | 157.183 | 13.544 | 0.0 | 56.92 | 13.811 | 0.0 | 1.9 | 0.0 | 0.0 | 1.936 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.1 | 0.0 |
| 66 | 5963 | 5964 | SN | 1 | 0.0 | 25.634 | 10.389 | 0.0 | 28.275 | 10.335 | 0.0 | 155.782 | 5.038 | 0.0 | 74.133 | 5.552 | 0.0 | 1.919 | 0.0 | 0.0 | 1.967 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.101 | 0.0 |
| 67 | 5963 | 5964 | NS | 1 | 0.0 | 258.847 | 8.609 | 0.0 | 27.007 | 8.542 | 0.0 | 139.858 | 2.814 | 0.0 | 35.406 | 2.334 | 0.0 | 1.913 | 0.0 | 0.0 | 1.945 | 0.0 | 0.0 | 2.055 | 0.0 | 0.0 | 2.054 | 0.0 |
| 68 | 5963 | 5964 | SN | 1 | 0.0 | 31.518 | 16.468 | 0.0 | 24.31 | 13.083 | 0.0 | 157.183 | 13.653 | 0.0 | 15.966 | 12.945 | 0.0 | 1.9 | 0.0 | 0.0 | 1.936 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.1 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|---------|--------|-----|--------|--------|----------|-----------|--------|-----|---------|--------|-----|-------|-----|-------|-------|----------|-----------|-------|-----|-------|-------|-----|
| 69 | 5963 | 5964 | SN | 1 | 0.0 | 25.634 | 10.389 | 0.0 | 28.275 | 10.335 | 0.0 | 155.782 | 5.038 | 0.0 | 74.133 | 5.552 | 0.0 | 1.919 | 0.0 | 0.0 | 1.967 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.101 | 0.0 |
| 70 | 5963 | 5964 | NS | 1 | 0.0 | 258.847 | 8.609 | 0.0 | 27.007 | 8.542 | 0.0 | 139.858 | 2.814 | 0.0 | 35.406 | 2.334 | 0.0 | 1.913 | 0.0 | 0.0 | 1.945 | 0.0 | 0.0 | 2.055 | 0.0 | 0.0 | 2.054 | 0.0 |
| 71 | 5963 | 5964 | NS | 1 | 0.0 | 153.987 | 14.979 | 0.0 | 36.691 | 15.51 | 0.0 | 356.945 | 10.779 | 0.0 | 37.083 | 10.785 | 0.0 | 1.924 | 0.0 | 0.0 | 1.954 | 0.0 | 0.0 | 2.06 | 0.0 | 0.0 | 2.034 | 0.0 |
| 72 | 5963 | 5964 | NS | 1 | 0.0 | 153.987 | 14.979 | 0.0 | 36.691 | 15.51 | 0.0 | 356.945 | 10.779 | 0.0 | 37.083 | 10.785 | 0.0 | 1.924 | 0.0 | 0.0 | 1.954 | 0.0 | 0.0 | 2.06 | 0.0 | 0.0 | 2.034 | 0.0 |
| 73 | 5963 | 5964 | SN | 1 | 0.0 | 31.518 | 16.438 | 0.0 | 25.965 | 13.822 | 0.0 | 157.183 | 13.544 | 0.0 | 56.92 | 13.811 | 0.0 | 1.9 | 0.0 | 0.0 | 1.936 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.1 | 0.0 |
| 74 | 5963 | 5964 | SN | 1 | 0.0 | 25.634 | 10.47 | 0.0 | 28.275 | 10.193 | 0.0 | 155.782 | 5.119 | 0.0 | 15.712 | 5.32 | 0.0 | 1.919 | 0.0 | 0.0 | 1.967 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.101 | 0.0 |
| 75 | 5964 | 5965 | SN | 1 | 0.0 | 31.447 | 16.309 | 0.0 | 25.959 | 13.793 | 0.0 | 155.109 | 13.595 | 0.0 | 57.902 | 13.697 | 0.0 | 1.902 | 0.0 | 0.0 | 1.937 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.1 | 0.0 |
| 76 | 5964 | 5965 | NS | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 3.557 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 3.022 | 0.0 | 0.0 | 0.0 | 0.0 | 0.86 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 0.807 | 0.0 | |
| 77 | 5964 | 5965 | NS | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 3.557 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 3.022 | 0.0 | 0.0 | 0.0 | 0.0 | 0.86 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 0.807 | 0.0 | |
| 78 | 5964 | 5965 | NS | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 4.726 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 2.802 | 0.0 | 0.0 | 0.0 | 0.0 | 0.47 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 0.599 | 0.0 | |
| 79 | 5964 | 5965 | NS | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 4.726 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 2.802 | 0.0 | 0.0 | 0.0 | 0.0 | 0.47 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 0.599 | 0.0 | |
| 80 | 5964 | 5965 | NS | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 5.008 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 0.899 | 0.0 | 0.0 | 0.0 | 0.0 | 0.465 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 0.296 | 0.0 | |
| 81 | 5964 | 5965 | NS | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 4.638 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 4.903 | 0.0 | 0.0 | 0.0 | 0.0 | 1.144 | 0.0 | 100000.0 | -100000.0 | 0.0 | 0.0 | 1.004 | 0.0 | |
| 82 | 5964 | 5965 | SN | 1 | 0.0 | 25.623 | 10.302 | 0.0 | 28.253 | 10.225 | 0.0 | 158.578 | 5.012 | 0.0 | 77.533 | 5.494 | 0.0 | 1.908 | 0.0 | 0.0 | 1.967 | 0.0 | 0.0 | 2.073 | 0.0 | 0.0 | 2.101 | 0.0 |
| 83 | 5965 | 5966 | SN | 1 | 0.0 | 31.391 | 16.359 | 0.0 | 25.959 | 13.823 | 0.0 | 164.976 | 13.602 | 0.0 | 58.597 | 13.917 | 0.0 | 1.9 | 0.0 | 0.0 | 1.937 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.1 | 0.0 |
| 84 | 5965 | 5966 | NS | 1 | 0.0 | 26.924 | 8.593 | 0.0 | 25.716 | 8.482 | 0.0 | 355.202 | 2.799 | 0.0 | 19.369 | 2.305 | 0.0 | 1.909 | 0.0 | 0.0 | 1.958 | 0.0 | 0.0 | 2.056 | 0.0 | 0.0 | 2.059 | 0.0 |
| 85 | 5965 | 5966 | SN | 1 | 0.0 | 25.617 | 10.376 | 0.0 | 28.248 | 10.344 | 0.0 | 166.184 | 5.154 | 0.0 | 78.84 | 5.672 | 0.0 | 1.897 | 0.0 | 0.0 | 1.965 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.1 | 0.0 |
| 86 | 5965 | 5966 | NS | 1 | 0.0 | 25.909 | 14.921 | 0.0 | 32.373 | 15.567 | 0.0 | 144.402 | 10.899 | 0.0 | 34.949 | 10.818 | 0.0 | 1.925 | 0.0 | 0.0 | 1.965 | 0.0 | 0.0 | 2.06 | 0.0 | 0.0 | 2.048 | 0.0 |
| 87 | 5966 | 5967 | NS | 1 | 0.0 | 25.915 | 14.931 | 0.0 | 32.34 | 15.518 | 0.0 | 358.064 | 10.841 | 0.0 | 35.616 | 10.812 | 0.0 | 1.927 | 0.0 | 0.0 | 1.959 | 0.0 | 0.0 | 2.068 | 0.0 | 0.0 | 2.038 | 0.0 |
| 88 | 5966 | 5967 | NS | 1 | 0.0 | 26.913 | 8.579 | 0.0 | 27.007 | 8.48 | 0.0 | 355.323 | 2.784 | 0.0 | 20.047 | 2.31 | 0.0 | 1.926 | 0.0 | 0.0 | 1.951 | 0.0 | 0.0 | 2.068 | 0.0 | 0.0 | 2.035 | 0.0 |
| 89 | 5971 | 5972 | NS | 1 | 0.0 | 25.909 | 14.9 | 0.0 | 36.62 | 15.38 | 0.0 | 358.224 | 10.815 | 0.0 | 35.908 | 10.814 | 0.0 | 1.918 | 0.0 | 0.0 | 1.944 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.033 | 0.0 |
| 90 | 5971 | 5972 | NS | 1 | 0.0 | 26.908 | 8.582 | 0.0 | 27.001 | 8.476 | 0.0 | 141.501 | 2.768 | 0.0 | 35.097 | 2.292 | 0.0 | 1.908 | 0.0 | 0.0 | 1.933 | 0.0 | 0.0 | 2.055 | 0.0 | 0.0 | 2.032 | 0.0 |
| 91 | 5971 | 5972 | SN | 1 | 0.0 | 31.447 | 16.317 | 0.0 | 25.959 | 13.82 | 0.0 | 159.907 | 13.727 | 0.0 | 135.148 | 13.96 | 0.0 | 1.909 | 0.0 | 0.0 | 1.94 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.111 | 0.0 |
| 92 | 5971 | 5972 | SN | 1 | 0.0 | 25.639 | 10.364 | 0.0 | 28.248 | 10.353 | 0.0 | 165.003 | 5.243 | 0.0 | 70.421 | 5.703 | 0.0 | 1.922 | 0.0 | 0.0 | 1.966 | 0.0 | 0.0 | 2.073 | 0.0 | 0.0 | 2.101 | 0.0 |
| 93 | 5972 | 5973 | NS | 1 | 0.0 | 25.915 | 14.931 | 0.0 | 32.296 | 15.418 | 0.0 | 141.17 | 10.827 | 0.0 | 35.097 | 10.783 | 0.0 | 1.919 | 0.0 | 0.0 | 1.949 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.037 | 0.0 |
| 94 | 5972 | 5973 | NS | 1 | 0.0 | 26.919 | 8.557 | 0.0 | 25.722 | 8.479 | 0.0 | 146.332 | 2.743 | 0.0 | 27.801 | 2.269 | 0.0 | 1.909 | 0.0 | 0.0 | 1.939 | 0.0 | 0.0 | 2.054 | 0.0 | 0.0 | 2.047 | 0.0 |
| 95 | 5972 | 5973 | SN | 1 | 0.0 | 31.447 | 16.371 | 0.0 | 25.959 | 13.687 | 0.0 | 158.534 | 13.781 | 0.0 | 24.029 | 13.681 | 0.0 | 1.909 | 0.0 | 0.0 | 1.942 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.112 | 0.0 |
| 96 | 5972 | 5973 | SN | 1 | 0.0 | 31.447 | 16.691 | 0.0 | 24.101 | 12.568 | 0.0 | 158.534 | 14.293 | 0.0 | 16.06 | 11.967 | 0.0 | 1.909 | 0.0 | 0.0 | 1.933 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.1 | 0.0 |
| 97 | 5972 | 5973 | SN | 1 | 0.0 | 25.645 | 10.439 | 0.0 | 28.248 | 10.351 | 0.0 | 154.271 | 5.201 | 0.0 | 73.901 | 5.64 | 0.0 | 1.898 | 0.0 | 0.0 | 1.966 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.099 | 0.0 |
| 98 | 5972 | 5973 | NS | 1 | 0.0 | 25.909 | 14.919 | 0.0 | 36.702 | 15.459 | 0.0 | 358.605 | 10.751 | 0.0 | 37.298 | 10.758 | 0.0 | 1.922 | 0.0 | 0.0 | 1.965 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.032 | 0.0 |
| 99 | 5972 | 5973 | NS | 1 | 0.0 | 26.919 | 8.563 | 0.0 | 25.722 | 8.473 | 0.0 | 354.981 | 2.733 | 0.0 | 19.882 | 2.278 | 0.0 | 1.906 | 0.0 | 0.0 | 1.939 | 0.0 | 0.0 | 2.054 | 0.0 | 0.0 | 2.044 | 0.0 |
| 100 | 5972 | 5973 | SN | 1 | 0.0 | 31.447 | 16.367 | 0.0 | 25.959 | 13.851 | 0.0 | 158.534 | 13.727 | 0.0 | 129.517 | 13.882 | 0.0 | 1.909 | 0.0 | 0.0 | 1.942 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.112 | 0.0 |
| 101 | 5972 | 5973 | SN | 1 | 0.0 | 25.645 | 10.456 | 0.0 | 28.248 | 10.332 | 0.0 | 154.271 | 5.227 | 0.0 | 17.637 | 5.575 | 0.0 | 1.898 | 0.0 | 0.0 | 1.966 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.099 | 0.0 |
| 102 | 5972 | 5973 | SN | 1 | 0.0 | 25.645 | 10.419 | 0.0 | 28.248 | 9.988 | 0.0 | 154.271 | 5.297 | 0.0 | 15.718 | 5.191 | 0.0 | 1.898 | 0.0 | 0.0 | 1.966 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.099 | 0.0 |
| 103 | 5973 | 5974 | SN | 1 | 0.0 | 31.463 | 16.469 | 0.0 | 25.959 | 13.851 | 0.0 | 149.865 | 13.706 | 0.0 | 136.019 | 13.981 | 0.0 | 1.9 | 0.0 | 0.0 | 1.956 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.099 | 0.0 |
| 104 | 5973 | 5974 | NS | 1 | 0.0 | 25.904 | 14.857 | 0.0 | 36.73 | 15.477 | 0.0 | 358.693 | 10.759 | 0.0 | 37.739 | 10.736 | 0.0 | 1.922 | 0.0 | 0.0 | 1.943 | 0.0 | 0.0 | 2.06 | 0.0 | 0.0 | 2.032 | 0.0 |
| 105 | 5973 | 5974 | SN | 1 | 0.0 | 25.634 | 10.481 | 0.0 | 28.248 | 10.371 | 0.0 | 156.692 | 5.318 | 0.0 | 75.269 | 5.735 | 0.0 | 1.899 | 0.0 | 0.0 | 1.967 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.099 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 106 | 5973 | 5974 | NS | 1 | 0.0 | 26.946 | 8.554 | 0.0 | 26.979 | 8.449 | 0.0 | 352.803 | 2.715 | 0.0 | 28.838 | 2.224 | 0.0 | 1.906 | 0.0 | 0.0 | 1.934 | 0.0 | 0.0 | 2.055 | 0.0 | 0.0 | 2.044 | 0.0 |
| 107 | 5974 | 5975 | NS | 1 | 0.0 | 25.909 | 14.89 | 0.0 | 32.323 | 15.507 | 0.0 | 358.147 | 10.706 | 0.0 | 35.5 | 10.69 | 0.0 | 1.915 | 0.0 | 0.0 | 1.931 | 0.0 | 0.0 | 2.058 | 0.0 | 0.0 | 2.033 | 0.0 |
| 108 | 5974 | 5975 | NS | 1 | 0.0 | 26.924 | 8.533 | 0.0 | 25.716 | 8.43 | 0.0 | 355.312 | 2.687 | 0.0 | 26.505 | 2.188 | 0.0 | 1.907 | 0.0 | 0.0 | 1.922 | 0.0 | 0.0 | 2.054 | 0.0 | 0.0 | 2.045 | 0.0 |
| 109 | 5974 | 5975 | SN | 1 | 0.0 | 25.639 | 10.526 | 0.0 | 28.231 | 10.361 | 0.0 | 195.705 | 5.317 | 0.0 | 65.397 | 5.738 | 0.0 | 1.899 | 0.0 | 0.0 | 1.968 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.101 | 0.0 |
| 110 | 5974 | 5975 | SN | 1 | 0.0 | 34.562 | 16.546 | 0.0 | 25.954 | 13.923 | 0.0 | 189.92 | 13.748 | 0.0 | 146.189 | 14.004 | 0.0 | 1.901 | 0.0 | 0.0 | 1.939 | 0.0 | 0.0 | 2.076 | 0.0 | 0.0 | 2.1 | 0.0 |
| 111 | 5975 | 5976 | NS | 1 | 0.0 | 25.909 | 14.918 | 0.0 | 32.29 | 15.494 | 0.0 | 356.388 | 10.751 | 0.0 | 45.135 | 10.619 | 0.0 | 1.929 | 0.0 | 0.0 | 1.931 | 0.0 | 0.0 | 2.06 | 0.0 | 0.0 | 2.034 | 0.0 |
| 112 | 5975 | 5976 | SN | 1 | 0.0 | 34.105 | 16.536 | 0.0 | 204.312 | 13.905 | 0.0 | 184.73 | 13.726 | 0.0 | 164.896 | 14.033 | 0.0 | 1.9 | 0.0 | 0.0 | 1.938 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.1 | 0.0 |
| 113 | 5975 | 5976 | NS | 1 | 0.0 | 26.924 | 8.552 | 0.0 | 25.716 | 8.444 | 0.0 | 128.811 | 2.699 | 0.0 | 32.268 | 2.186 | 0.0 | 1.907 | 0.0 | 0.0 | 1.922 | 0.0 | 0.0 | 2.054 | 0.0 | 0.0 | 2.031 | 0.0 |
| 114 | 5975 | 5976 | SN | 1 | 0.0 | 25.645 | 10.524 | 0.0 | 166.101 | 10.388 | 0.0 | 191.084 | 5.306 | 0.0 | 82.118 | 5.745 | 0.0 | 1.899 | 0.0 | 0.0 | 1.967 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.103 | 0.0 |
| 115 | 5976 | 5977 | SN | 1 | 0.0 | 25.634 | 10.479 | 0.0 | 28.231 | 10.354 | 0.0 | 164.375 | 5.301 | 0.0 | 64.862 | 5.702 | 0.0 | 1.899 | 0.0 | 0.0 | 1.968 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.11 | 0.0 |
| 116 | 5976 | 5977 | NS | 1 | 0.0 | 25.909 | 14.9 | 0.0 | 32.296 | 15.425 | 0.0 | 356.564 | 10.729 | 0.0 | 45.697 | 10.669 | 0.0 | 1.93 | 0.0 | 0.0 | 1.926 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.033 | 0.0 |
| 117 | 5976 | 5977 | NS | 1 | 0.0 | 26.924 | 8.543 | 0.0 | 26.979 | 8.426 | 0.0 | 135.176 | 2.709 | 0.0 | 32.737 | 2.202 | 0.0 | 1.911 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.054 | 0.0 | 0.0 | 2.03 | 0.0 |
| 118 | 5976 | 5977 | SN | 1 | 0.0 | 34.397 | 16.514 | 0.0 | 25.959 | 13.617 | 0.0 | 162.814 | 13.823 | 0.0 | 21.63 | 13.725 | 0.0 | 1.933 | 0.0 | 0.0 | 1.933 | 0.0 | 0.0 | 2.076 | 0.0 | 0.0 | 2.101 | 0.0 |
| 119 | 5976 | 5977 | SN | 1 | 0.0 | 34.397 | 16.489 | 0.0 | 25.959 | 13.829 | 0.0 | 162.814 | 13.733 | 0.0 | 45.449 | 14.005 | 0.0 | 1.933 | 0.0 | 0.0 | 1.933 | 0.0 | 0.0 | 2.076 | 0.0 | 0.0 | 2.101 | 0.0 |
| 120 | 5976 | 5977 | SN | 1 | 0.0 | 25.634 | 10.493 | 0.0 | 28.231 | 10.323 | 0.0 | 164.375 | 5.34 | 0.0 | 15.712 | 5.607 | 0.0 | 1.899 | 0.0 | 0.0 | 1.968 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.11 | 0.0 |
| 121 | 5977 | 5978 | SN | 1 | 0.0 | 31.369 | 16.481 | 0.0 | 130.151 | 13.291 | 0.0 | 160.139 | 13.95 | 0.0 | 15.955 | 13.32 | 0.0 | 1.899 | 0.0 | 0.0 | 1.937 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.101 | 0.0 |
| 122 | 5977 | 5978 | SN | 1 | 0.0 | 31.369 | 16.443 | 0.0 | 130.151 | 13.897 | 0.0 | 160.139 | 13.816 | 0.0 | 99.063 | 14.022 | 0.0 | 1.899 | 0.0 | 0.0 | 1.937 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.101 | 0.0 |
| 123 | 5977 | 5978 | SN | 1 | 0.0 | 25.639 | 10.449 | 0.0 | 28.253 | 10.355 | 0.0 | 155.076 | 5.289 | 0.0 | 66.533 | 5.676 | 0.0 | 1.899 | 0.0 | 0.0 | 1.967 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.1 | 0.0 |
| 124 | 5977 | 5978 | NS | 1 | 0.0 | 221.767 | 8.548 | 0.0 | 25.722 | 8.422 | 0.0 | 357.976 | 2.708 | 0.0 | 33.476 | 2.213 | 0.0 | 1.907 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.054 | 0.0 | 0.0 | 2.031 | 0.0 |
| 125 | 5977 | 5978 | NS | 1 | 0.0 | 25.915 | 14.922 | 0.0 | 32.301 | 15.405 | 0.0 | 358.186 | 10.687 | 0.0 | 46.569 | 10.719 | 0.0 | 1.918 | 0.0 | 0.0 | 1.929 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.033 | 0.0 |
| 126 | 5977 | 5978 | SN | 1 | 0.0 | 25.639 | 10.505 | 0.0 | 28.253 | 10.263 | 0.0 | 155.076 | 5.366 | 0.0 | 15.712 | 5.481 | 0.0 | 1.899 | 0.0 | 0.0 | 1.967 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.1 | 0.0 |
| 127 | 5978 | 5979 | NS | 1 | 0.0 | 26.924 | 8.532 | 0.0 | 27.001 | 8.408 | 0.0 | 356.029 | 2.726 | 0.0 | 34.232 | 2.206 | 0.0 | 1.907 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.053 | 0.0 | 0.0 | 2.031 | 0.0 |
| 128 | 5978 | 5979 | SN | 1 | 0.0 | 31.303 | 16.326 | 0.0 | 25.954 | 13.821 | 0.0 | 147.642 | 13.809 | 0.0 | 56.584 | 13.822 | 0.0 | 1.9 | 0.0 | 0.0 | 1.934 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.1 | 0.0 |
| 129 | 5978 | 5979 | SN | 1 | 0.0 | 25.645 | 10.441 | 0.0 | 28.242 | 10.094 | 0.0 | 159.676 | 5.242 | 0.0 | 15.718 | 5.249 | 0.0 | 1.899 | 0.0 | 0.0 | 1.966 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.1 | 0.0 |
| 130 | 5978 | 5979 | SN | 1 | 0.0 | 31.303 | 16.364 | 0.0 | 24.134 | 12.91 | 0.0 | 147.642 | 13.963 | 0.0 | 15.971 | 12.769 | 0.0 | 1.9 | 0.0 | 0.0 | 1.934 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.1 | 0.0 |
| 131 | 5978 | 5979 | NS | 1 | 0.0 | 25.904 | 14.891 | 0.0 | 32.318 | 15.446 | 0.0 | 358.279 | 10.722 | 0.0 | 47.473 | 10.676 | 0.0 | 1.929 | 0.0 | 0.0 | 1.926 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.033 | 0.0 |
| 132 | 5978 | 5979 | SN | 1 | 0.0 | 25.645 | 10.35 | 0.0 | 28.242 | 10.239 | 0.0 | 159.676 | 5.123 | 0.0 | 69.445 | 5.557 | 0.0 | 1.899 | 0.0 | 0.0 | 1.966 | 0.0 | 0.0 | 2.074 | 0.0 | 0.0 | 2.105 | 0.0 |
| 133 | 5979 | 5980 | SN | 1 | 0.0 | 31.298 | 16.299 | 0.0 | 25.954 | 13.903 | 0.0 | 160.453 | 13.791 | 0.0 | 131.993 | 14.059 | 0.0 | 1.91 | 0.0 | 0.0 | 1.95 | 0.0 | 0.0 | 2.076 | 0.0 | 0.0 | 2.101 | 0.0 |
| 134 | 5979 | 5980 | NS | 1 | 0.0 | 25.893 | 14.878 | 0.0 | 36.559 | 15.348 | 0.0 | 358.439 | 10.751 | 0.0 | 35.539 | 10.687 | 0.0 | 1.921 | 0.0 | 0.0 | 1.923 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.032 | 0.0 |
| 135 | 5979 | 5980 | NS | 1 | 0.0 | 25.893 | 14.878 | 0.0 | 36.559 | 15.348 | 0.0 | 358.439 | 10.751 | 0.0 | 35.539 | 10.687 | 0.0 | 1.921 | 0.0 | 0.0 | 1.923 | 0.0 | 0.0 | 2.059 | 0.0 | 0.0 | 2.032 | 0.0 |
| 136 | 5979 | 5980 | NS | 1 | 0.0 | 26.952 | 8.546 | 0.0 | 25.716 | 8.431 | 0.0 | 142.571 | 2.701 | 0.0 | 34.684 | 2.194 | 0.0 | 1.907 | 0.0 | 0.0 | 1.909 | 0.0 | 0.0 | 2.054 | 0.0 | 0.0 | 2.031 | 0.0 |
| 137 | 5979 | 5980 | NS | 1 | 0.0 | 26.952 | 8.546 | 0.0 | 25.716 | 8.431 | 0.0 | 142.571 | 2.701 | 0.0 | 34.684 | 2.194 | 0.0 | 1.907 | 0.0 | 0.0 | 1.909 | 0.0 | 0.0 | 2.054 | 0.0 | 0.0 | 2.031 | 0.0 |
| 138 | 5979 | 5980 | SN | 1 | 0.0 | 25.634 | 10.463 | 0.0 | 28.248 | 10.365 | 0.0 | 165.075 | 5.199 | 0.0 | 67.785 | 5.671 | 0.0 | 1.899 | 0.0 | 0.0 | 1.967 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.1 | 0.0 |
| 139 | 5979 | 5980 | SN | 1 | 0.0 | 25.634 | 10.463 | 0.0 | 28.248 | 10.365 | 0.0 | 165.075 | 5.199 | 0.0 | 67.785 | 5.671 | 0.0 | 1.899 | 0.0 | 0.0 | 1.967 | 0.0 | 0.0 | 2.075 | 0.0 | 0.0 | 2.1 | 0.0 |
| 140 | 5979 | 5980 | SN | 1 | 0.0 | 31.298 | 16.299 | 0.0 | 25.954 | 13.903 | 0.0 | 160.453 | 13.791 | 0.0 | 131.993 | 14.059 | 0.0 | 1.91 | 0.0 | 0.0 | 1.95 | 0.0 | 0.0 | 2.076 | 0.0 | 0.0 | 2.101 | 0.0 |
| 141 | 5980 | 5981 | NS | 1 | 0.0 | 25.893 | 14.911 | 0.0 | 32.241 | 15.348 | 0.0 | 353.702 | 10.762 | 0.0 | 34.789 | 10.699 | 0.0 | 1.924 | 0.0 | 0.0 | 1.931 | 0.0 | 0.0 | 2.058 | 0.0 | 0.0 | 2.032 | 0.0 |
| 142 | 5980 | 5981 | NS | 1 | 0.0 | 26.924 | 8.509 | 0.0 | 26.996 | 8.388 | 0.0 | 356.217 | 2.674 | 0.0 | 22.805 | 2.174 | 0.0 | 1.901 | 0.0 | 0.0 | 1.92 | 0.0 | 0.0 | 2.053 | 0.0 | 0.0 | 2.03 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|---------|--------|-----|--------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 143 | 5980 | 5981 | NS | 1 | 0.0 | 26.924 | 8.509 | 0.0 | 26.996 | 8.388 | 0.0 | 356.217 | 2.674 | 0.0 | 22.805 | 2.174 | 0.0 | 1.901 | 0.0 | 0.0 | 1.92 | 0.0 | 0.0 | 2.053 | 0.0 | 0.0 | 2.03 | 0.0 |
| 144 | 5980 | 5981 | NS | 1 | 0.0 | 25.893 | 14.911 | 0.0 | 32.241 | 15.348 | 0.0 | 353.702 | 10.762 | 0.0 | 34.789 | 10.699 | 0.0 | 1.924 | 0.0 | 0.0 | 1.931 | 0.0 | 0.0 | 2.058 | 0.0 | 0.0 | 2.032 | 0.0 |

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