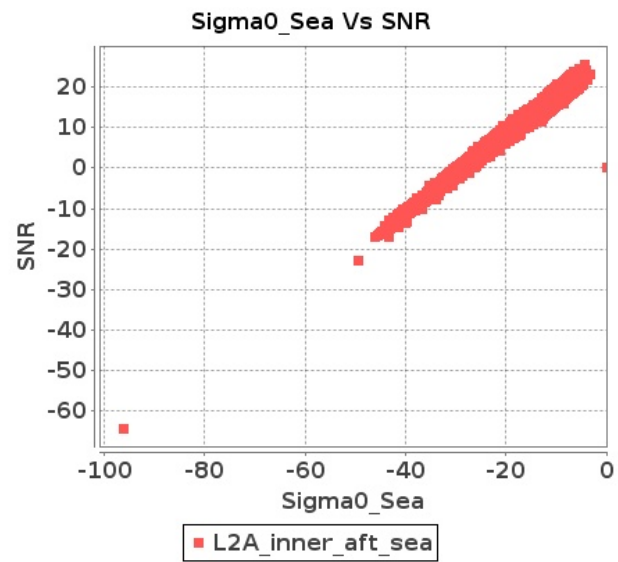


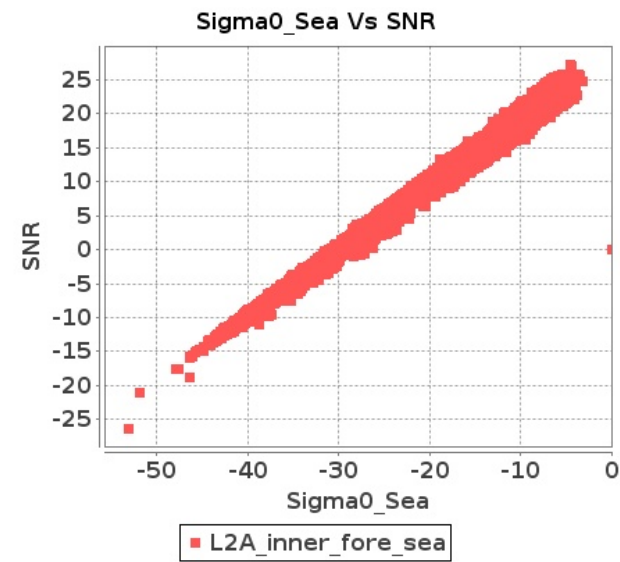
SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 14-AUG-2017 To 15-AUG-2017

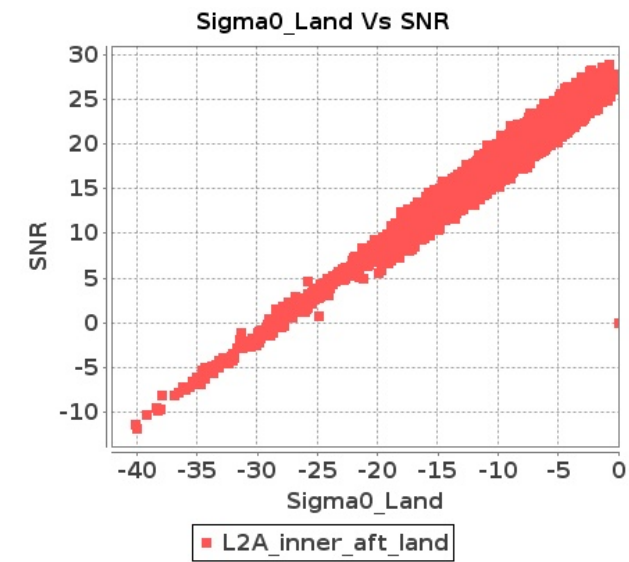
Inner Sea Aft Sigma0VsSNR



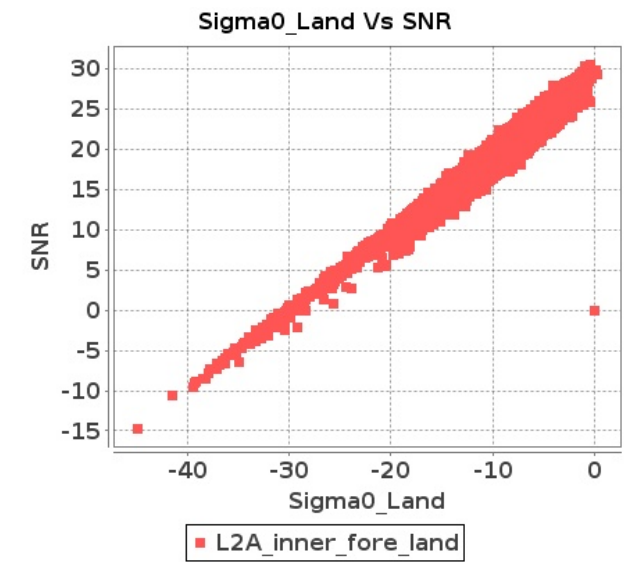
Inner Sea Fore Sigma0VsSNR



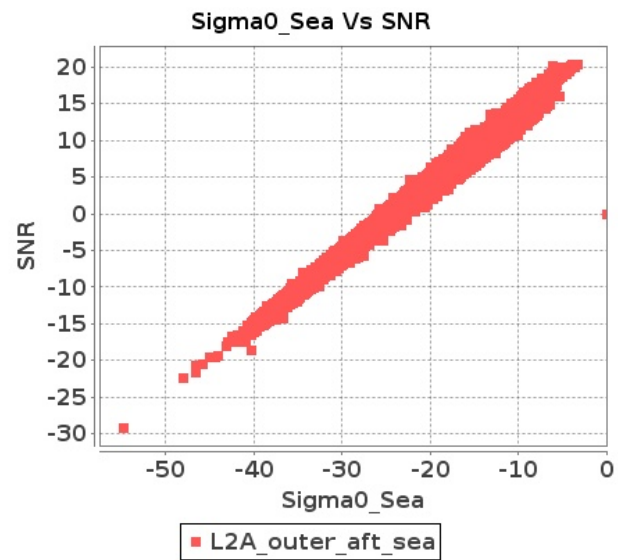
Inner Land Aft Sigma0VsSNR



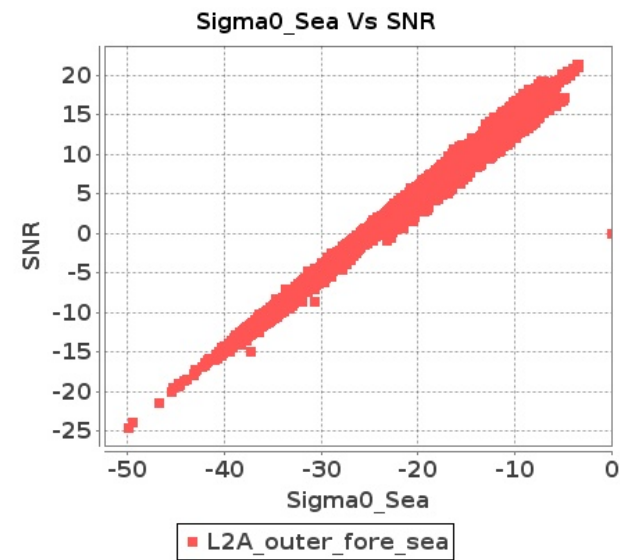
Inner Land Fore Sigma0VsSNR



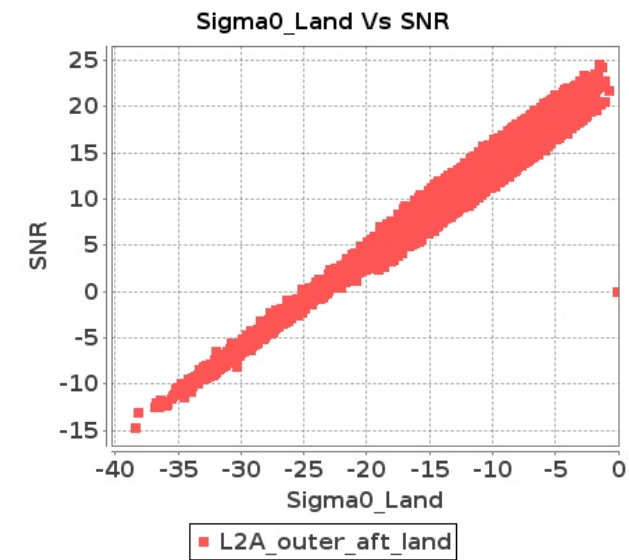
Outer Sea Aft Sigma0VsSNR



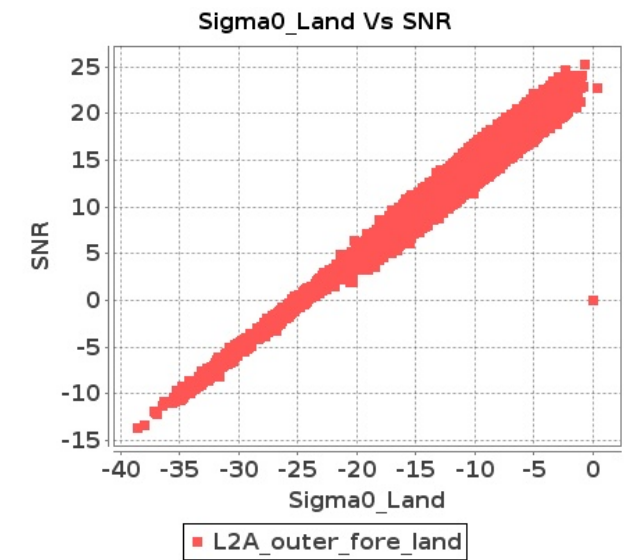
Outer Sea Fore Sigma0VsSNR



Outer Land Aft Sigma0VsSNR



Outer Land Fore Sigma0VsSNR



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

Report between 14-AUG-2017 To 15-AUG-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 | 4666 | 4667 | SN | 1 | 0.0 | 49.501 | 7.919 | 0.0 | 57.425 | 7.625 | 0.0 | 45.242 | 5.236 | 0.0 | 46.753 | 5.64 | 0.0 | 49.6 | 7.313 | 0.0 | 59.628 | 6.885 | 0.0 | 44.746 | 4.981 | 0.0 | 46.121 | 5.413 |
| 2 | 4666 | 4667 | SN | 1 | 0.0 | 51.401 | 2.621 | 0.0 | 48.607 | 2.511 | 0.0 | 48.024 | 1.63 | 0.0 | 43.271 | 1.7 | 0.0 | 50.066 | 2.406 | 0.0 | 45.869 | 2.373 | 0.0 | 43.235 | 1.527 | 0.0 | 41.948 | 1.567 |
| 3 | 4666 | 4667 | SN | 1 | 0.0 | 51.401 | 2.621 | 0.0 | 48.607 | 2.511 | 0.0 | 48.024 | 1.63 | 0.0 | 43.271 | 1.7 | 0.0 | 50.066 | 2.406 | 0.0 | 45.869 | 2.373 | 0.0 | 43.235 | 1.527 | 0.0 | 41.948 | 1.569 |
| 4 | 4666 | 4667 | NS | 1 | 0.0 | 52.419 | 3.391 | 0.0 | 52.307 | 2.89 | 0.0 | 42.805 | 2.072 | 0.0 | 49.049 | 2.046 | 0.0 | 52.896 | 3.026 | 0.0 | 49.87 | 2.593 | 0.0 | 43.722 | 1.896 | 0.0 | 49.93 | 1.777 |
| 5 | 4666 | 4667 | NS | 1 | 0.0 | 51.501 | 11.208 | 0.0 | 51.79 | 9.973 | 0.0 | 48.964 | 6.864 | 0.0 | 49.73 | 6.585 | 0.0 | 51.283 | 10.426 | 0.0 | 54.989 | 9.251 | 0.0 | 50.855 | 6.402 | 0.0 | 52.221 | 6.107 |
| 6 | 4666 | 4667 | SN | 1 | 0.0 | 49.501 | 7.919 | 0.0 | 57.425 | 7.625 | 0.0 | 45.242 | 5.236 | 0.0 | 46.753 | 5.64 | 0.0 | 49.6 | 7.313 | 0.0 | 59.628 | 6.885 | 0.0 | 44.746 | 4.981 | 0.0 | 46.121 | 5.42 |
| 7 | 4667 | 4668 | SN | 1 | 0.0 | 42.315 | 2.1 | 0.0 | 49.024 | 1.711 | 0.0 | 38.76 | 1.573 | 0.0 | 42.094 | 1.368 | 0.0 | 40.609 | 1.85 | 0.0 | 46.527 | 1.398 | 0.0 | 38.021 | 1.349 | 0.0 | 41.44 | 1.19 |
| 8 | 4667 | 4668 | SN | 1 | 0.0 | 52.029 | 7.032 | 0.0 | 53.826 | 5.508 | 0.0 | 43.65 | 4.127 | 0.0 | 48.519 | 4.051 | 0.0 | 46.83 | 6.092 | 0.0 | 52.446 | 5.093 | 0.0 | 44.233 | 4.021 | 0.0 | 44.734 | 3.554 |
| 9 | 4667 | 4668 | SN | 1 | 0.0 | 52.029 | 6.913 | 0.0 | 53.826 | 5.508 | 0.0 | 43.65 | 4.074 | 0.0 | 48.519 | 4.03 | 0.0 | 46.83 | 6.044 | 0.0 | 52.446 | 5.083 | 0.0 | 44.233 | 3.982 | 0.0 | 44.734 | 3.547 |
| 10 | 4667 | 4668 | NS | 1 | 0.0 | 39.094 | 1.903 | 0.0 | 41.758 | 1.262 | 0.0 | 39.277 | 1.275 | 0.0 | 39.233 | 1.068 | 0.0 | 39.324 | 1.681 | 0.0 | 40.782 | 1.074 | 0.0 | 39.919 | 1.145 | 0.0 | 37.148 | 0.924 |
| 11 | 4667 | 4668 | NS | 1 | 0.0 | 46.656 | 5.627 | 0.0 | 51.882 | 3.458 | 0.0 | 49.495 | 3.787 | 0.0 | 45.041 | 3.265 | 0.0 | 45.16 | 4.743 | 0.0 | 52.129 | 3.275 | 0.0 | 48.441 | 3.609 | 0.0 | 41.591 | 2.916 |
| 12 | 4668 | 4669 | SN | 1 | 0.0 | 48.7 | 14.749 | 0.0 | 48.265 | 6.029 | 0.0 | 41.13 | 5.154 | 0.0 | 44.39 | 7.448 | 0.0 | 48.59 | 13.557 | 0.0 | 45.848 | 5.452 | 0.0 | 40.141 | 4.621 | 0.0 | 45.419 | 6.506 |
| 13 | 4668 | 4669 | SN | 1 | 0.0 | 48.7 | 14.742 | 0.0 | 48.265 | 6.029 | 0.0 | 41.13 | 5.151 | 0.0 | 44.39 | 7.448 | 0.0 | 48.59 | 13.559 | 0.0 | 45.848 | 5.452 | 0.0 | 40.141 | 4.616 | 0.0 | 45.419 | 6.506 |
| 14 | 4668 | 4669 | NS | 1 | 0.0 | 46.382 | 10.306 | 0.0 | 55.121 | 4.41 | 0.0 | 47.504 | 2.905 | 0.0 | 48.929 | 5.54 | 0.0 | 45.073 | 9.042 | 0.0 | 51.669 | 4.131 | 0.0 | 44.846 | 2.686 | 0.0 | 44.95 | 4.839 |
| 15 | 4668 | 4669 | SN | 1 | 0.0 | 48.197 | 34.49 | 0.0 | 56.022 | 15.826 | 0.0 | 44.034 | 12.505 | 0.0 | 43.782 | 17.502 | 0.0 | 47.045 | 33.215 | 0.0 | 55.439 | 14.568 | 0.0 | 44.092 | 11.909 | 0.0 | 44.526 | 16.521 |
| 16 | 4668 | 4669 | SN | 1 | 0.0 | 48.197 | 34.5 | 0.0 | 56.022 | 15.826 | 0.0 | 44.034 | 12.498 | 0.0 | 43.782 | 17.502 | 0.0 | 47.045 | 33.225 | 0.0 | 55.439 | 14.568 | 0.0 | 44.092 | 11.888 | 0.0 | 44.526 | 16.521 |
| 17 | 4668 | 4669 | NS | 1 | 0.0 | 51.337 | 25.272 | 0.0 | 52.327 | 11.896 | 0.0 | 40.966 | 8.133 | 0.0 | 49.51 | 13.391 | 0.0 | 50.917 | 23.148 | 0.0 | 54.318 | 11.377 | 0.0 | 41.17 | 7.599 | 0.0 | 48.844 | 12.564 |
| 18 | 4669 | 4670 | SN | 1 | 0.0 | 47.057 | 2.065 | 0.0 | 40.83 | 1.817 | 0.0 | 42.371 | 1.491 | 0.0 | 37.109 | 1.553 | 0.0 | 49.986 | 1.592 | 0.0 | 38.288 | 1.459 | 0.0 | 39.526 | 1.277 | 0.0 | 34.776 | 1.265 |
| 19 | 4669 | 4670 | NS | 1 | 0.0 | 53.268 | 7.32 | 0.0 | 52.055 | 6.048 | 0.0 | 43.955 | 4.361 | 0.0 | 43.014 | 4.203 | 0.0 | 54.036 | 6.528 | 0.0 | 50.488 | 5.316 | 0.0 | 44.744 | 4.055 | 0.0 | 41.602 | 3.875 |
| 20 | 4669 | 4670 | SN | 1 | 0.0 | 47.057 | 2.065 | 0.0 | 40.83 | 1.817 | 0.0 | 42.371 | 1.493 | 0.0 | 37.109 | 1.553 | 0.0 | 49.986 | 1.592 | 0.0 | 38.288 | 1.459 | 0.0 | 39.526 | 1.283 | 0.0 | 34.776 | 1.265 |
| 21 | 4669 | 4670 | SN | 1 | 0.0 | 51.626 | 6.457 | 0.0 | 44.967 | 5.275 | 0.0 | 42.284 | 4.334 | 0.0 | 40.103 | 4.49 | 0.0 | 52.721 | 5.012 | 0.0 | 46.435 | 4.495 | 0.0 | 42.351 | 3.845 | 0.0 | 38.573 | 3.752 |
| 22 | 4669 | 4670 | SN | 1 | 0.0 | 51.626 | 6.457 | 0.0 | 44.967 | 5.275 | 0.0 | 42.284 | 4.348 | 0.0 | 40.103 | 4.49 | 0.0 | 52.721 | 5.012 | 0.0 | 46.435 | 4.495 | 0.0 | 42.351 | 3.845 | 0.0 | 38.573 | 3.752 |
| 23 | 4670 | 4671 | SN | 1 | 0.0 | 42.156 | 3.529 | 0.0 | 46.139 | 3.166 | 0.0 | 38.808 | 2.507 | 0.0 | 40.089 | 2.535 | 0.0 | 42.018 | 2.98 | 0.0 | 45.869 | 2.742 | 0.0 | 41.908 | 2.155 | 0.0 | 36.2 | 2.2 |
| 24 | 4670 | 4671 | SN | 1 | 0.0 | 45.539 | 10.217 | 0.0 | 50.115 | 8.597 | 0.0 | 48.873 | 7.257 | 0.0 | 50.477 | 6.953 | 0.0 | 46.655 | 9.237 | 0.0 | 52.113 | 7.371 | 0.0 | 48.548 | 6.612 | 0.0 | 50.336 | 6.392 |
| 25 | 4670 | 4671 | SN | 1 | 0.0 | 45.539 | 10.217 | 0.0 | 50.115 | 8.597 | 0.0 | 48.873 | 7.25 | 0.0 | 50.477 | 6.953 | 0.0 | 46.655 | 9.237 | 0.0 | 52.113 | 7.371 | 0.0 | 48.548 | 6.612 | 0.0 | 50.336 | 6.392 |
| 26 | 4670 | 4671 | NS | 1 | 0.0 | 55.902 | 4.762 | 0.0 | 47.685 | 4.393 | 0.0 | 49.06 | 4.107 | 0.0 | 46.91 | 4.035 | 0.0 | 56.06 | 4.448 | 0.0 | 48.004 | 3.915 | 0.0 | 47.572 | 3.744 | 0.0 | 46.772 | 3.622 |
| 27 | 4670 | 4671 | NS | 1 | 0.0 | 50.055 | 1.647 | 0.0 | 42.669 | 1.414 | 0.0 | 42.745 | 1.229 | 0.0 | 40.169 | 1.201 | 0.0 | 49.744 | 1.509 | 0.0 | 43.4 | 1.271 | 0.0 | 40.442 | 1.106 | 0.0 | 40.766 | 1.039 |
| 28 | 4670 | 4671 | SN | 1 | 0.0 | 42.156 | 3.529 | 0.0 | 46.139 | 3.166 | 0.0 | 38.808 | 2.507 | 0.0 | 40.089 | 2.535 | 0.0 | 42.018 | 2.98 | 0.0 | 45.869 | 2.742 | 0.0 | 41.908 | 2.155 | 0.0 | 36.2 | 2.2 |
| 29 | 4671 | 4672 | SN | 1 | 0.0 | 50.964 | 14.253 | 0.0 | 48.944 | 13.91 | 0.0 | 43.491 | 10.481 | 0.0 | 48.283 | 10.149 | 0.0 | 51.81 | 13.899 | 0.0 | 52.218 | 13.399 | 0.0 | 41.877 | 10.722 | 0.0 | 47.927 | 9.995 |
| 30 | 4671 | 4672 | SN | 1 | 0.0 | 51.362 | 4.936 | 0.0 | 47.205 | 4.711 | 0.0 | 47.827 | 3.467 | 0.0 | 46.849 | 3.494 | 0.0 | 49.849 | 4.977 | 0.0 | 47.26 | 4.522 | 0.0 | 43.176 | 3.522 | 0.0 | 44.408 | 3.219 |
| 31 | 4671 | 4672 | NS | 1 | 0.0 | 47.688 | 6.181 | 0.0 | 53.229 | 5.582 | 0.0 | 48.175 | 4.73 | 0.0 | 46.425 | 5.267 | 0.0 | 47.94 | 5.4 | 0.0 | 55.824 | 4.799 | 0.0 | 47.153 | 4.196 | 0.0 | 46.492 | 4.419 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|--------|-------|-----|--------|--------|-----|--------|--------|-----|--------|--------|-----|--------|--------|-----|--------|-------|
| 32 | 4671 | 4672 | SN | 1 | 0.0 | 50.964 | 14.338 | 0.0 | 48.944 | 13.923 | 0.0 | 43.491 | 10.42 | 0.0 | 48.283 | 10.036 | 0.0 | 51.81 | 13.954 | 0.0 | 52.218 | 13.397 | 0.0 | 41.877 | 10.611 | 0.0 | 47.927 | 9.866 |
| 33 | 4671 | 4672 | SN | 1 | 0.0 | 51.362 | 5.015 | 0.0 | 47.205 | 4.771 | 0.0 | 47.827 | 3.528 | 0.0 | 46.849 | 3.546 | 0.0 | 49.849 | 5.075 | 0.0 | 47.26 | 4.578 | 0.0 | 43.176 | 3.585 | 0.0 | 44.408 | 3.273 |
| 34 | 4671 | 4672 | NS | 1 | 0.0 | 53.692 | 2.176 | 0.0 | 44.512 | 1.948 | 0.0 | 42.754 | 1.531 | 0.0 | 41.194 | 1.632 | 0.0 | 52.501 | 1.764 | 0.0 | 42.689 | 1.678 | 0.0 | 44.636 | 1.318 | 0.0 | 40.316 | 1.336 |
| 35 | 4672 | 4673 | NS | 1 | 0.0 | 45.703 | 2.425 | 0.0 | 44.077 | 1.823 | 0.0 | 40.459 | 1.681 | 0.0 | 41.062 | 1.409 | 0.0 | 43.62 | 2.036 | 0.0 | 40.395 | 1.561 | 0.0 | 42.206 | 1.45 | 0.0 | 39.296 | 1.21 |
| 36 | 4672 | 4673 | SN | 1 | 0.0 | 54.611 | 12.611 | 0.0 | 51.988 | 12.65 | 0.0 | 47.728 | 8.026 | 0.0 | 48.806 | 9.062 | 0.0 | 56.289 | 12.216 | 0.0 | 53.059 | 12.083 | 0.0 | 48.621 | 8.25 | 0.0 | 46.75 | 8.672 |
| 37 | 4672 | 4673 | NS | 1 | 0.0 | 55.803 | 6.56 | 0.0 | 45.915 | 4.83 | 0.0 | 42.982 | 5.116 | 0.0 | 42.782 | 4.476 | 0.0 | 57.002 | 5.271 | 0.0 | 44.121 | 4.23 | 0.0 | 40.824 | 4.468 | 0.0 | 40.78 | 4.055 |
| 38 | 4672 | 4673 | SN | 1 | 0.0 | 50.887 | 4.183 | 0.0 | 49.376 | 4.056 | 0.0 | 44.807 | 2.558 | 0.0 | 43.656 | 2.572 | 0.0 | 49.889 | 4.041 | 0.0 | 46.621 | 3.785 | 0.0 | 43.662 | 2.629 | 0.0 | 42.849 | 2.495 |
| 39 | 4672 | 4673 | SN | 1 | 0.0 | 54.611 | 12.532 | 0.0 | 51.988 | 12.291 | 0.0 | 47.728 | 7.868 | 0.0 | 48.806 | 8.788 | 0.0 | 56.289 | 12.087 | 0.0 | 53.059 | 11.633 | 0.0 | 48.621 | 8.067 | 0.0 | 46.75 | 8.377 |
| 40 | 4672 | 4673 | SN | 1 | 0.0 | 50.887 | 4.085 | 0.0 | 49.376 | 3.896 | 0.0 | 44.807 | 2.484 | 0.0 | 43.656 | 2.487 | 0.0 | 49.889 | 3.932 | 0.0 | 46.621 | 3.625 | 0.0 | 43.662 | 2.562 | 0.0 | 42.849 | 2.405 |
| 41 | 4673 | 4674 | NS | 1 | 0.0 | 45.966 | 2.308 | 0.0 | 50.182 | 1.779 | 0.0 | 38.483 | 1.499 | 0.0 | 44.977 | 1.444 | 0.0 | 48.089 | 2.105 | 0.0 | 48.03 | 1.726 | 0.0 | 37.054 | 1.444 | 0.0 | 43.298 | 1.33 |
| 42 | 4673 | 4674 | SN | 1 | 0.0 | 46.537 | 1.708 | 0.0 | 47.884 | 1.616 | 0.0 | 51.006 | 1.024 | 0.0 | 41.819 | 1.117 | 0.0 | 42.346 | 1.355 | 0.0 | 45.692 | 1.361 | 0.0 | 50.19 | 0.845 | 0.0 | 43.833 | 0.914 |
| 43 | 4673 | 4674 | NS | 1 | 0.0 | 42.015 | 7.443 | 0.0 | 51.86 | 5.992 | 0.0 | 41.709 | 4.975 | 0.0 | 46.441 | 4.364 | 0.0 | 41.112 | 7.057 | 0.0 | 51.645 | 5.788 | 0.0 | 42.473 | 4.641 | 0.0 | 45.728 | 4.057 |
| 44 | 4673 | 4674 | SN | 1 | 0.0 | 57.036 | 5.215 | 0.0 | 53.169 | 5.543 | 0.0 | 47.037 | 3.523 | 0.0 | 45.63 | 4.035 | 0.0 | 57.57 | 4.275 | 0.0 | 52.831 | 5.017 | 0.0 | 47.322 | 2.984 | 0.0 | 42.296 | 3.304 |
| 45 | 4674 | 4675 | SN | 1 | 0.0 | 45.748 | 1.834 | 0.0 | 49.657 | 1.783 | 0.0 | 47.052 | 1.253 | 0.0 | 39.532 | 1.217 | 0.0 | 46.909 | 1.532 | 0.0 | 48.54 | 1.438 | 0.0 | 43.126 | 1.083 | 0.0 | 38.442 | 0.923 |
| 46 | 4674 | 4675 | NS | 1 | 0.0 | 53.525 | 10.476 | 0.0 | 52.634 | 8.844 | 0.0 | 46.996 | 7.326 | 0.0 | 45.07 | 7.313 | 0.0 | 54.881 | 10.009 | 0.0 | 53.656 | 8.478 | 0.0 | 47.275 | 7.042 | 0.0 | 46.165 | 6.921 |
| 47 | 4674 | 4675 | SN | 1 | 0.0 | 51.04 | 5.457 | 0.0 | 51.656 | 5.576 | 0.0 | 42.089 | 3.854 | 0.0 | 44.328 | 3.653 | 0.0 | 52.355 | 4.8 | 0.0 | 53.159 | 4.837 | 0.0 | 40.139 | 3.492 | 0.0 | 42.422 | 2.929 |
| 48 | 4674 | 4675 | NS | 1 | 0.0 | 48.42 | 3.812 | 0.0 | 45.408 | 3.103 | 0.0 | 42.233 | 2.113 | 0.0 | 44.383 | 2.172 | 0.0 | 45.663 | 3.497 | 0.0 | 47.047 | 2.938 | 0.0 | 44.702 | 2.101 | 0.0 | 44.199 | 1.957 |
| 49 | 4675 | 4676 | NS | 1 | 0.0 | 52.842 | 7.43 | 0.0 | 52.467 | 6.609 | 0.0 | 45.406 | 5.54 | 0.0 | 49.195 | 5.154 | 0.0 | 53.208 | 6.709 | 0.0 | 51.473 | 5.999 | 0.0 | 46.547 | 5.177 | 0.0 | 48.009 | 4.94 |
| 50 | 4675 | 4676 | NS | 1 | 0.0 | 45.964 | 2.426 | 0.0 | 53.003 | 1.973 | 0.0 | 40.869 | 1.86 | 0.0 | 48.853 | 1.637 | 0.0 | 47.826 | 2.125 | 0.0 | 50.642 | 1.839 | 0.0 | 41.906 | 1.65 | 0.0 | 45.236 | 1.498 |
| 51 | 4675 | 4676 | SN | 1 | 0.0 | 48.939 | 5.357 | 0.0 | 45.561 | 4.981 | 0.0 | 44.608 | 3.982 | 0.0 | 43.437 | 3.745 | 0.0 | 47.83 | 4.659 | 0.0 | 49.71 | 4.445 | 0.0 | 42.43 | 3.55 | 0.0 | 41.793 | 3.235 |
| 52 | 4675 | 4676 | SN | 1 | 0.0 | 52.723 | 1.613 | 0.0 | 44.105 | 1.472 | 0.0 | 43.045 | 1.138 | 0.0 | 39.654 | 1.132 | 0.0 | 54.332 | 1.364 | 0.0 | 48.686 | 1.231 | 0.0 | 43.714 | 1.045 | 0.0 | 43.333 | 0.951 |
| 53 | 4676 | 4677 | NS | 1 | 0.0 | 46.962 | 6.182 | 0.0 | 47.669 | 5.758 | 0.0 | 40.301 | 5.043 | 0.0 | 40.087 | 4.571 | 0.0 | 44.95 | 5.624 | 0.0 | 48.699 | 5.26 | 0.0 | 40.634 | 4.716 | 0.0 | 41.29 | 4.35 |
| 54 | 4676 | 4677 | SN | 1 | 0.0 | 50.23 | 1.949 | 0.0 | 54.354 | 1.848 | 0.0 | 45.488 | 1.356 | 0.0 | 44.439 | 1.388 | 0.0 | 47.001 | 1.609 | 0.0 | 54.761 | 1.589 | 0.0 | 42.705 | 1.167 | 0.0 | 40.253 | 1.184 |
| 55 | 4676 | 4677 | SN | 1 | 0.0 | 48.757 | 6.386 | 0.0 | 52.036 | 6.02 | 0.0 | 49.498 | 4.514 | 0.0 | 43.169 | 5.014 | 0.0 | 52.527 | 5.608 | 0.0 | 52.918 | 5.343 | 0.0 | 46.419 | 4.06 | 0.0 | 44.558 | 4.305 |
| 56 | 4676 | 4677 | NS | 1 | 0.0 | 42.515 | 2.429 | 0.0 | 43.171 | 1.928 | 0.0 | 37.994 | 1.812 | 0.0 | 38.882 | 1.611 | 0.0 | 42.081 | 2.004 | 0.0 | 43.544 | 1.693 | 0.0 | 35.675 | 1.579 | 0.0 | 35.593 | 1.474 |
| 57 | 4677 | 4678 | NS | 1 | 0.0 | 41.232 | 1.662 | 0.0 | 43.777 | 1.282 | 0.0 | 43.817 | 1.277 | 0.0 | 40.041 | 1.146 | 0.0 | 42.672 | 1.287 | 0.0 | 43.269 | 1.087 | 0.0 | 42.089 | 1.054 | 0.0 | 39.172 | 0.941 |
| 58 | 4677 | 4678 | SN | 1 | 0.0 | 44.388 | 1.782 | 0.0 | 51.92 | 1.731 | 0.0 | 40.063 | 1.233 | 0.0 | 41.147 | 1.367 | 0.0 | 45.474 | 1.46 | 0.0 | 49.142 | 1.486 | 0.0 | 41.744 | 1.076 | 0.0 | 37.835 | 1.121 |
| 59 | 4677 | 4678 | NS | 1 | 0.0 | 44.037 | 4.234 | 0.0 | 42.408 | 3.71 | 0.0 | 41.062 | 3.571 | 0.0 | 40.316 | 3.314 | 0.0 | 40.662 | 3.391 | 0.0 | 40.22 | 3.131 | 0.0 | 40.905 | 3.194 | 0.0 | 37.905 | 2.751 |
| 60 | 4677 | 4678 | NS | 1 | 0.0 | 41.232 | 1.672 | 0.0 | 43.777 | 1.288 | 0.0 | 43.817 | 1.285 | 0.0 | 40.041 | 1.152 | 0.0 | 42.672 | 1.295 | 0.0 | 43.269 | 1.093 | 0.0 | 42.089 | 1.06 | 0.0 | 39.172 | 0.946 |
| 61 | 4677 | 4678 | NS | 1 | 0.0 | 44.037 | 4.258 | 0.0 | 42.408 | 3.729 | 0.0 | 41.062 | 3.587 | 0.0 | 40.316 | 3.338 | 0.0 | 40.662 | 3.41 | 0.0 | 40.22 | 3.147 | 0.0 | 40.905 | 3.214 | 0.0 | 37.905 | 2.765 |
| 62 | 4677 | 4678 | SN | 1 | 0.0 | 53.297 | 6.194 | 0.0 | 52.739 | 5.8 | 0.0 | 46.407 | 4.292 | 0.0 | 44.43 | 4.469 | 0.0 | 54.475 | 5.456 | 0.0 | 51.97 | 5.314 | 0.0 | 45.391 | 3.626 | 0.0 | 44.369 | 3.908 |
| 63 | 4678 | 4679 | NS | 1 | 0.0 | 47.762 | 3.401 | 0.0 | 49.176 | 2.864 | 0.0 | 42.211 | 2.292 | 0.0 | 45.069 | 2.394 | 0.0 | 48.352 | 2.786 | 0.0 | 49.47 | 2.447 | 0.0 | 41.678 | 1.946 | 0.0 | 44.01 | 2.065 |
| 64 | 4678 | 4679 | NS | 1 | 0.0 | 47.253 | 9.945 | 0.0 | 46.888 | 8.871 | 0.0 | 39.699 | 7.14 | 0.0 | 41.336 | 7.82 | 0.0 | 50.391 | 8.744 | 0.0 | 47.066 | 7.773 | 0.0 | 42.67 | 6.566 | 0.0 | 39.209 | 7.17 |
| 65 | 4678 | 4679 | NS | 1 | 0.0 | 47.762 | 3.561 | 0.0 | 49.176 | 2.995 | 0.0 | 42.211 | 2.398 | 0.0 | 45.069 | 2.507 | 0.0 | 48.352 | 2.917 | 0.0 | 49.47 | 2.561 | 0.0 | 41.678 | 2.038 | 0.0 | 44.01 | 2.162 |
| 66 | 4678 | 4679 | SN | 1 | 0.0 | 46.852 | 8.612 | 0.0 | 48.474 | 7.321 | 0.0 | 44.693 | 6.704 | 0.0 | 44.581 | 6.732 | 0.0 | 47.801 | 7.723 | 0.0 | 50.883 | 6.42 | 0.0 | 44.896 | 6.378 | 0.0 | 43.788 | 6.009 |
| 67 | 4678 | 4679 | SN | 1 | 0.0 | 48.401 | 2.906 | 0.0 | 40.83 | 2.498 | 0.0 | 47.286 | 2.249 | 0.0 | 40.722 | 2.223 | 0.0 | 43.951 | 2.654 | 0.0 | 39.736 | 2.223 | 0.0 | 48.077 | 2.152 | 0.0 | 40.285 | 1.885 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|--------|-------|-----|--------|-------|-----|--------|--------|-----|--------|--------|-----|--------|-------|-----|--------|-------|
| 68 | 4678 | 4679 | NS | 1 | 0.0 | 47.253 | 9.504 | 0.0 | 46.888 | 8.465 | 0.0 | 39.699 | 6.815 | 0.0 | 41.336 | 7.459 | 0.0 | 50.391 | 8.357 | 0.0 | 47.066 | 7.417 | 0.0 | 42.67 | 6.267 | 0.0 | 39.209 | 6.838 |
| 69 | 4679 | 4680 | NS | 1 | 0.0 | 45.972 | 4.508 | 0.0 | 54.001 | 3.785 | 0.0 | 41.998 | 2.946 | 0.0 | 43.649 | 2.823 | 0.0 | 45.686 | 4.362 | 0.0 | 55.95 | 3.584 | 0.0 | 39.735 | 2.886 | 0.0 | 42.793 | 2.734 |
| 70 | 4679 | 4680 | NS | 1 | 0.0 | 53.969 | 15.004 | 0.0 | 50.734 | 12.559 | 0.0 | 41.788 | 9.45 | 0.0 | 48.205 | 8.797 | 0.0 | 55.45 | 14.644 | 0.0 | 51.711 | 11.738 | 0.0 | 39.073 | 9.356 | 0.0 | 48.051 | 8.505 |
| 71 | 4680 | 4681 | SN | 1 | 0.0 | 52.613 | 6.778 | 0.0 | 51.606 | 5.876 | 0.0 | 45.782 | 4.8 | 0.0 | 50.489 | 4.836 | 0.0 | 51.604 | 6.222 | 0.0 | 49.731 | 5.46 | 0.0 | 44.338 | 4.303 | 0.0 | 48.006 | 4.43 |
| 72 | 4680 | 4681 | SN | 1 | 0.0 | 52.613 | 6.969 | 0.0 | 51.606 | 6.03 | 0.0 | 45.782 | 4.848 | 0.0 | 50.489 | 4.934 | 0.0 | 51.604 | 6.402 | 0.0 | 49.731 | 5.609 | 0.0 | 44.338 | 4.37 | 0.0 | 48.006 | 4.514 |
| 73 | 4680 | 4681 | SN | 1 | 0.0 | 52.613 | 6.772 | 0.0 | 51.606 | 5.876 | 0.0 | 45.782 | 4.795 | 0.0 | 50.489 | 4.836 | 0.0 | 51.604 | 6.217 | 0.0 | 49.731 | 5.46 | 0.0 | 44.338 | 4.299 | 0.0 | 48.006 | 4.43 |
| 74 | 4680 | 4681 | SN | 1 | 0.0 | 51.903 | 2.119 | 0.0 | 52.344 | 1.907 | 0.0 | 42.959 | 1.43 | 0.0 | 44.368 | 1.374 | 0.0 | 49.695 | 1.864 | 0.0 | 52.438 | 1.687 | 0.0 | 41.484 | 1.267 | 0.0 | 42.307 | 1.274 |
| 75 | 4680 | 4681 | SN | 1 | 0.0 | 51.903 | 2.067 | 0.0 | 52.344 | 1.849 | 0.0 | 42.959 | 1.404 | 0.0 | 44.368 | 1.353 | 0.0 | 49.695 | 1.813 | 0.0 | 52.438 | 1.634 | 0.0 | 41.484 | 1.238 | 0.0 | 42.307 | 1.259 |
| 76 | 4680 | 4681 | SN | 1 | 0.0 | 51.903 | 2.065 | 0.0 | 52.344 | 1.846 | 0.0 | 42.959 | 1.403 | 0.0 | 44.368 | 1.351 | 0.0 | 49.695 | 1.811 | 0.0 | 52.438 | 1.632 | 0.0 | 41.484 | 1.237 | 0.0 | 42.307 | 1.257 |
| 77 | 4681 | 4682 | SN | 1 | 0.0 | 47.191 | 3.799 | 0.0 | 49.475 | 3.463 | 0.0 | 44.065 | 3.334 | 0.0 | 42.59 | 3.193 | 0.0 | 45.785 | 3.223 | 0.0 | 47.524 | 3.118 | 0.0 | 44.192 | 3.058 | 0.0 | 41.605 | 2.859 |
| 78 | 4681 | 4682 | SN | 1 | 0.0 | 48.059 | 1.433 | 0.0 | 44.602 | 1.348 | 0.0 | 40.965 | 1.051 | 0.0 | 50.731 | 1.063 | 0.0 | 43.945 | 1.201 | 0.0 | 43.811 | 1.085 | 0.0 | 40.754 | 0.944 | 0.0 | 46.694 | 0.932 |
| 79 | 4681 | 4682 | SN | 1 | 0.0 | 48.059 | 1.421 | 0.0 | 44.602 | 1.34 | 0.0 | 40.965 | 1.041 | 0.0 | 50.731 | 1.056 | 0.0 | 43.945 | 1.194 | 0.0 | 43.811 | 1.08 | 0.0 | 40.754 | 0.933 | 0.0 | 46.694 | 0.927 |
| 80 | 4681 | 4682 | NS | 1 | 0.0 | 48.71 | 5.087 | 0.0 | 50.644 | 3.825 | 0.0 | 51.721 | 2.925 | 0.0 | 42.638 | 3.037 | 0.0 | 48.139 | 4.417 | 0.0 | 50.794 | 3.286 | 0.0 | 47.438 | 2.463 | 0.0 | 41.303 | 2.56 |
| 81 | 4681 | 4682 | SN | 1 | 0.0 | 47.191 | 3.818 | 0.0 | 49.475 | 3.489 | 0.0 | 44.065 | 3.348 | 0.0 | 42.59 | 3.217 | 0.0 | 45.785 | 3.247 | 0.0 | 47.524 | 3.142 | 0.0 | 44.192 | 3.084 | 0.0 | 41.605 | 2.881 |
| 82 | 4681 | 4682 | NS | 1 | 0.0 | 46.662 | 1.575 | 0.0 | 46.572 | 1.16 | 0.0 | 42.431 | 0.869 | 0.0 | 41.422 | 0.91 | 0.0 | 44.634 | 1.222 | 0.0 | 46.854 | 0.974 | 0.0 | 45.564 | 0.652 | 0.0 | 42.631 | 0.724 |
| 83 | 4681 | 4682 | NS | 1 | 0.0 | 46.662 | 1.575 | 0.0 | 46.572 | 1.16 | 0.0 | 42.431 | 0.869 | 0.0 | 41.422 | 0.91 | 0.0 | 44.634 | 1.222 | 0.0 | 46.854 | 0.974 | 0.0 | 45.564 | 0.652 | 0.0 | 42.631 | 0.724 |
| 84 | 4681 | 4682 | NS | 1 | 0.0 | 48.71 | 5.087 | 0.0 | 50.644 | 3.825 | 0.0 | 51.721 | 2.925 | 0.0 | 42.638 | 3.037 | 0.0 | 48.139 | 4.417 | 0.0 | 50.794 | 3.286 | 0.0 | 47.438 | 2.463 | 0.0 | 41.303 | 2.56 |
| 85 | 4682 | 4683 | SN | 1 | 0.0 | 44.776 | 8.211 | 0.0 | 44.687 | 6.263 | 0.0 | 39.124 | 5.162 | 0.0 | 43.865 | 5.42 | 0.0 | 45.899 | 7.22 | 0.0 | 44.309 | 5.705 | 0.0 | 41.715 | 4.956 | 0.0 | 42.804 | 4.709 |
| 86 | 4682 | 4683 | SN | 1 | 0.0 | 44.597 | 8.268 | 0.0 | 45.013 | 6.247 | 0.0 | 40.935 | 5.217 | 0.0 | 43.992 | 5.413 | 0.0 | 45.72 | 7.227 | 0.0 | 44.406 | 5.701 | 0.0 | 41.215 | 4.94 | 0.0 | 42.93 | 4.683 |
| 87 | 4682 | 4683 | NS | 1 | 0.0 | 56.141 | 6.123 | 0.0 | 46.671 | 5.972 | 0.0 | 42.086 | 4.278 | 0.0 | 42.49 | 4.777 | 0.0 | 56.798 | 5.768 | 0.0 | 45.564 | 5.585 | 0.0 | 41.178 | 4.228 | 0.0 | 42.882 | 4.72 |
| 88 | 4682 | 4683 | SN | 1 | 0.0 | 40.779 | 2.627 | 0.0 | 43.441 | 2.039 | 0.0 | 38.048 | 1.807 | 0.0 | 40.259 | 1.816 | 0.0 | 36.708 | 2.154 | 0.0 | 45.043 | 1.746 | 0.0 | 36.533 | 1.662 | 0.0 | 37.631 | 1.543 |
| 89 | 4682 | 4683 | SN | 1 | 0.0 | 41.073 | 2.634 | 0.0 | 44.308 | 2.035 | 0.0 | 39.744 | 1.806 | 0.0 | 40.165 | 1.82 | 0.0 | 37.661 | 2.15 | 0.0 | 45.911 | 1.748 | 0.0 | 37.292 | 1.682 | 0.0 | 37.539 | 1.552 |
| 90 | 4682 | 4683 | SN | 1 | 0.0 | 40.779 | 2.65 | 0.0 | 43.441 | 2.052 | 0.0 | 38.048 | 1.82 | 0.0 | 40.259 | 1.824 | 0.0 | 36.708 | 2.176 | 0.0 | 45.043 | 1.757 | 0.0 | 36.533 | 1.674 | 0.0 | 37.631 | 1.551 |
| 91 | 4682 | 4683 | SN | 1 | 0.0 | 44.597 | 8.317 | 0.0 | 45.013 | 6.265 | 0.0 | 40.935 | 5.253 | 0.0 | 43.992 | 5.448 | 0.0 | 45.72 | 7.279 | 0.0 | 44.406 | 5.734 | 0.0 | 41.215 | 4.974 | 0.0 | 42.93 | 4.712 |
| 92 | 4682 | 4683 | NS | 1 | 0.0 | 48.554 | 2.004 | 0.0 | 51.176 | 1.872 | 0.0 | 38.103 | 1.379 | 0.0 | 39.226 | 1.501 | 0.0 | 46.322 | 1.893 | 0.0 | 50.946 | 1.754 | 0.0 | 38.007 | 1.34 | 0.0 | 38.584 | 1.4 |
| 93 | 4682 | 4683 | NS | 1 | 0.0 | 42.832 | 2.113 | 0.0 | 48.72 | 1.865 | 0.0 | 39.574 | 1.385 | 0.0 | 40.767 | 1.46 | 0.0 | 43.183 | 1.93 | 0.0 | 50.946 | 1.783 | 0.0 | 41.547 | 1.324 | 0.0 | 40.741 | 1.369 |
| 94 | 4682 | 4683 | NS | 1 | 0.0 | 52.479 | 6.213 | 0.0 | 54.99 | 5.597 | 0.0 | 50.186 | 4.261 | 0.0 | 42.201 | 4.892 | 0.0 | 49.705 | 5.523 | 0.0 | 54.287 | 5.251 | 0.0 | 50.143 | 4.176 | 0.0 | 40.882 | 4.564 |
| 95 | 4683 | 4684 | NS | 1 | 0.0 | 53.508 | 5.635 | 0.0 | 54.074 | 4.443 | 0.0 | 47.015 | 4.211 | 0.0 | 47.165 | 4.298 | 0.0 | 55.23 | 4.944 | 0.0 | 55.612 | 3.915 | 0.0 | 47.865 | 3.905 | 0.0 | 44.956 | 3.999 |
| 96 | 4683 | 4684 | NS | 1 | 0.0 | 53.758 | 5.471 | 0.0 | 52.494 | 4.514 | 0.0 | 44.158 | 3.926 | 0.0 | 50.619 | 4.219 | 0.0 | 51.825 | 5.035 | 0.0 | 51.857 | 3.996 | 0.0 | 43.655 | 3.734 | 0.0 | 47.886 | 3.827 |
| 97 | 4683 | 4684 | SN | 1 | 0.0 | 39.592 | 2.186 | 0.0 | 45.268 | 1.979 | 0.0 | 40.983 | 1.775 | 0.0 | 44.065 | 1.828 | 0.0 | 39.007 | 1.76 | 0.0 | 45.22 | 1.664 | 0.0 | 38.631 | 1.528 | 0.0 | 44.0 | 1.566 |
| 98 | 4683 | 4684 | SN | 1 | 0.0 | 45.985 | 7.227 | 0.0 | 51.732 | 6.015 | 0.0 | 40.548 | 5.32 | 0.0 | 44.68 | 5.173 | 0.0 | 46.628 | 6.203 | 0.0 | 55.632 | 5.451 | 0.0 | 38.96 | 4.652 | 0.0 | 41.919 | 4.433 |
| 99 | 4683 | 4684 | NS | 1 | 0.0 | 48.239 | 1.898 | 0.0 | 53.184 | 1.515 | 0.0 | 40.377 | 1.326 | 0.0 | 40.533 | 1.235 | 0.0 | 47.142 | 1.705 | 0.0 | 52.035 | 1.404 | 0.0 | 40.799 | 1.151 | 0.0 | 42.312 | 1.121 |
| 100 | 4683 | 4684 | SN | 1 | 0.0 | 45.768 | 7.264 | 0.0 | 52.313 | 6.055 | 0.0 | 41.095 | 5.326 | 0.0 | 44.653 | 5.191 | 0.0 | 46.411 | 6.182 | 0.0 | 56.213 | 5.558 | 0.0 | 39.505 | 4.716 | 0.0 | 41.892 | 4.487 |
| 101 | 4683 | 4684 | NS | 1 | 0.0 | 47.685 | 1.87 | 0.0 | 53.52 | 1.463 | 0.0 | 43.545 | 1.252 | 0.0 | 44.795 | 1.26 | 0.0 | 49.139 | 1.691 | 0.0 | 52.399 | 1.366 | 0.0 | 42.528 | 1.149 | 0.0 | 45.166 | 1.141 |
| 102 | 4683 | 4684 | SN | 1 | 0.0 | 45.985 | 7.316 | 0.0 | 51.732 | 6.121 | 0.0 | 40.548 | 5.334 | 0.0 | 44.68 | 5.22 | 0.0 | 46.628 | 6.245 | 0.0 | 55.632 | 5.585 | 0.0 | 38.96 | 4.682 | 0.0 | 41.919 | 4.518 |
| 103 | 4683 | 4684 | SN | 1 | 0.0 | 39.592 | 2.203 | 0.0 | 45.268 | 2.015 | 0.0 | 40.983 | 1.787 | 0.0 | 44.065 | 1.842 | 0.0 | 39.007 | 1.778 | 0.0 | 45.22 | 1.706 | 0.0 | 38.631 | 1.541 | 0.0 | 44.0 | 1.585 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|--------|-------|-----|--------|--------|-----|--------|--------|-----|--------|--------|-----|--------|-------|-----|--------|--------|
| 104 | 4683 | 4684 | SN | 1 | 0.0 | 39.371 | 2.199 | 0.0 | 45.134 | 2.015 | 0.0 | 42.16 | 1.783 | 0.0 | 39.713 | 1.837 | 0.0 | 38.997 | 1.773 | 0.0 | 45.086 | 1.697 | 0.0 | 38.686 | 1.529 | 0.0 | 39.647 | 1.59 |
| 105 | 4684 | 4685 | SN | 1 | 0.0 | 46.379 | 3.564 | 0.0 | 41.747 | 3.165 | 0.0 | 39.025 | 2.45 | 0.0 | 40.717 | 2.494 | 0.0 | 43.887 | 3.28 | 0.0 | 40.901 | 2.935 | 0.0 | 39.296 | 2.274 | 0.0 | 42.081 | 2.181 |
| 106 | 4684 | 4685 | NS | 1 | 0.0 | 46.054 | 0.941 | 0.0 | 39.991 | 0.63 | 0.0 | 41.797 | 0.597 | 0.0 | 41.509 | 0.559 | 0.0 | 41.968 | 0.742 | 0.0 | 41.38 | 0.557 | 0.0 | 39.251 | 0.471 | 0.0 | 38.737 | 0.466 |
| 107 | 4684 | 4685 | SN | 1 | 0.0 | 46.405 | 10.067 | 0.0 | 47.532 | 8.424 | 0.0 | 37.9 | 6.971 | 0.0 | 47.774 | 7.455 | 0.0 | 46.726 | 9.774 | 0.0 | 47.042 | 8.14 | 0.0 | 38.594 | 6.872 | 0.0 | 43.481 | 7.122 |
| 108 | 4684 | 4685 | SN | 1 | 0.0 | 46.405 | 9.866 | 0.0 | 47.532 | 8.331 | 0.0 | 37.9 | 6.807 | 0.0 | 47.774 | 7.476 | 0.0 | 46.726 | 9.525 | 0.0 | 47.042 | 8.05 | 0.0 | 38.594 | 6.72 | 0.0 | 43.481 | 7.097 |
| 109 | 4684 | 4685 | NS | 1 | 0.0 | 44.0 | 0.952 | 0.0 | 47.21 | 0.736 | 0.0 | 38.168 | 0.625 | 0.0 | 43.016 | 0.536 | 0.0 | 43.565 | 0.744 | 0.0 | 45.448 | 0.539 | 0.0 | 34.811 | 0.487 | 0.0 | 39.516 | 0.42 |
| 110 | 4684 | 4685 | NS | 1 | 0.0 | 53.353 | 3.666 | 0.0 | 44.484 | 2.654 | 0.0 | 44.421 | 2.59 | 0.0 | 47.406 | 2.074 | 0.0 | 52.991 | 3.138 | 0.0 | 44.338 | 2.206 | 0.0 | 42.772 | 2.348 | 0.0 | 44.006 | 1.739 |
| 111 | 4684 | 4685 | SN | 1 | 0.0 | 49.354 | 3.492 | 0.0 | 42.727 | 3.154 | 0.0 | 40.57 | 2.397 | 0.0 | 41.638 | 2.48 | 0.0 | 46.482 | 3.187 | 0.0 | 44.102 | 2.928 | 0.0 | 39.766 | 2.202 | 0.0 | 43.714 | 2.203 |
| 112 | 4684 | 4685 | SN | 1 | 0.0 | 49.354 | 3.544 | 0.0 | 42.727 | 3.156 | 0.0 | 40.57 | 2.42 | 0.0 | 41.638 | 2.448 | 0.0 | 46.482 | 3.24 | 0.0 | 44.102 | 2.927 | 0.0 | 39.766 | 2.232 | 0.0 | 43.714 | 2.173 |
| 113 | 4684 | 4685 | SN | 1 | 0.0 | 46.079 | 10.094 | 0.0 | 48.167 | 8.546 | 0.0 | 40.371 | 6.905 | 0.0 | 48.687 | 7.374 | 0.0 | 43.668 | 9.73 | 0.0 | 47.545 | 8.242 | 0.0 | 37.842 | 6.82 | 0.0 | 44.39 | 7.047 |
| 114 | 4684 | 4685 | NS | 1 | 0.0 | 53.548 | 3.846 | 0.0 | 47.08 | 2.594 | 0.0 | 40.712 | 2.561 | 0.0 | 44.537 | 2.146 | 0.0 | 50.721 | 3.45 | 0.0 | 47.139 | 2.208 | 0.0 | 41.642 | 2.127 | 0.0 | 42.44 | 1.697 |
| 115 | 4685 | 4686 | NS | 1 | 0.0 | 47.153 | 2.342 | 0.0 | 54.47 | 1.917 | 0.0 | 42.676 | 1.413 | 0.0 | 43.5 | 1.396 | 0.0 | 47.998 | 1.969 | 0.0 | 51.425 | 1.656 | 0.0 | 42.914 | 1.276 | 0.0 | 42.21 | 1.189 |
| 116 | 4685 | 4686 | SN | 1 | 0.0 | 45.799 | 13.307 | 0.0 | 46.911 | 13.483 | 0.0 | 42.991 | 9.563 | 0.0 | 44.035 | 10.534 | 0.0 | 47.768 | 12.708 | 0.0 | 50.839 | 12.65 | 0.0 | 44.535 | 9.674 | 0.0 | 43.262 | 10.12 |
| 117 | 4685 | 4686 | NS | 1 | 0.0 | 50.683 | 7.433 | 0.0 | 50.338 | 6.185 | 0.0 | 42.255 | 4.654 | 0.0 | 49.114 | 4.906 | 0.0 | 51.368 | 6.753 | 0.0 | 50.973 | 5.605 | 0.0 | 45.28 | 4.192 | 0.0 | 48.935 | 4.321 |
| 118 | 4685 | 4686 | NS | 1 | 0.0 | 50.683 | 7.433 | 0.0 | 50.338 | 6.185 | 0.0 | 42.255 | 4.654 | 0.0 | 49.114 | 4.906 | 0.0 | 51.368 | 6.753 | 0.0 | 50.973 | 5.605 | 0.0 | 45.28 | 4.192 | 0.0 | 48.935 | 4.321 |
| 119 | 4685 | 4686 | SN | 1 | 0.0 | 48.983 | 4.578 | 0.0 | 43.444 | 4.289 | 0.0 | 39.848 | 3.275 | 0.0 | 43.028 | 3.192 | 0.0 | 46.105 | 4.423 | 0.0 | 44.615 | 4.086 | 0.0 | 41.581 | 3.259 | 0.0 | 46.971 | 3.072 |
| 120 | 4685 | 4686 | SN | 1 | 0.0 | 45.799 | 13.614 | 0.0 | 46.911 | 13.143 | 0.0 | 42.991 | 9.687 | 0.0 | 44.035 | 10.223 | 0.0 | 47.768 | 13.047 | 0.0 | 50.839 | 12.331 | 0.0 | 44.535 | 9.772 | 0.0 | 43.262 | 9.817 |
| 121 | 4685 | 4686 | SN | 1 | 0.0 | 45.799 | 13.645 | 0.0 | 46.911 | 13.109 | 0.0 | 42.991 | 9.68 | 0.0 | 44.035 | 10.196 | 0.0 | 47.768 | 13.079 | 0.0 | 50.839 | 12.3 | 0.0 | 44.535 | 9.765 | 0.0 | 43.262 | 9.792 |
| 122 | 4685 | 4686 | SN | 1 | 0.0 | 48.983 | 4.578 | 0.0 | 43.444 | 4.284 | 0.0 | 39.848 | 3.273 | 0.0 | 43.028 | 3.188 | 0.0 | 46.105 | 4.425 | 0.0 | 44.615 | 4.081 | 0.0 | 41.581 | 3.255 | 0.0 | 46.971 | 3.068 |
| 123 | 4685 | 4686 | SN | 1 | 0.0 | 48.983 | 4.574 | 0.0 | 43.444 | 4.408 | 0.0 | 39.848 | 3.297 | 0.0 | 43.028 | 3.304 | 0.0 | 46.105 | 4.399 | 0.0 | 44.615 | 4.204 | 0.0 | 41.581 | 3.287 | 0.0 | 46.971 | 3.177 |
| 124 | 4685 | 4686 | NS | 1 | 0.0 | 47.153 | 2.342 | 0.0 | 54.47 | 1.917 | 0.0 | 42.676 | 1.413 | 0.0 | 43.5 | 1.396 | 0.0 | 47.998 | 1.969 | 0.0 | 51.425 | 1.656 | 0.0 | 42.914 | 1.276 | 0.0 | 42.21 | 1.189 |
| 125 | 4686 | 4687 | SN | 1 | 0.0 | 56.563 | 11.878 | 0.0 | 49.979 | 12.002 | 0.0 | 49.988 | 9.112 | 0.0 | 44.204 | 9.671 | 0.0 | 53.176 | 11.777 | 0.0 | 52.671 | 11.839 | 0.0 | 46.747 | 9.097 | 0.0 | 41.335 | 9.685 |
| 126 | 4686 | 4687 | NS | 1 | 0.0 | 44.171 | 3.385 | 0.0 | 48.669 | 2.965 | 0.0 | 38.653 | 2.35 | 0.0 | 40.875 | 2.228 | 0.0 | 43.869 | 3.073 | 0.0 | 47.791 | 2.584 | 0.0 | 37.4 | 2.007 | 0.0 | 41.049 | 1.852 |
| 127 | 4686 | 4687 | NS | 1 | 0.0 | 44.165 | 3.401 | 0.0 | 50.279 | 2.967 | 0.0 | 44.854 | 2.348 | 0.0 | 41.746 | 2.244 | 0.0 | 43.864 | 3.098 | 0.0 | 52.024 | 2.564 | 0.0 | 45.848 | 2.046 | 0.0 | 41.922 | 1.865 |
| 128 | 4686 | 4687 | SN | 1 | 0.0 | 45.831 | 4.501 | 0.0 | 56.815 | 4.566 | 0.0 | 43.223 | 3.058 | 0.0 | 44.694 | 3.505 | 0.0 | 43.061 | 4.496 | 0.0 | 60.094 | 4.547 | 0.0 | 43.459 | 3.128 | 0.0 | 45.822 | 3.363 |
| 129 | 4686 | 4687 | SN | 1 | 0.0 | 45.831 | 4.412 | 0.0 | 56.815 | 4.348 | 0.0 | 43.223 | 3.001 | 0.0 | 44.694 | 3.318 | 0.0 | 43.061 | 4.403 | 0.0 | 60.094 | 4.317 | 0.0 | 43.459 | 3.082 | 0.0 | 45.822 | 3.173 |
| 130 | 4686 | 4687 | SN | 1 | 0.0 | 56.563 | 12.005 | 0.0 | 49.979 | 12.474 | 0.0 | 49.988 | 9.082 | 0.0 | 44.204 | 10.165 | 0.0 | 53.176 | 11.898 | 0.0 | 52.671 | 12.367 | 0.0 | 46.747 | 9.052 | 0.0 | 41.335 | 10.203 |
| 131 | 4686 | 4687 | SN | 1 | 0.0 | 45.831 | 4.419 | 0.0 | 56.815 | 4.354 | 0.0 | 43.223 | 3.0 | 0.0 | 44.694 | 3.323 | 0.0 | 43.061 | 4.407 | 0.0 | 60.094 | 4.322 | 0.0 | 43.459 | 3.082 | 0.0 | 45.822 | 3.177 |
| 132 | 4686 | 4687 | NS | 1 | 0.0 | 54.374 | 10.09 | 0.0 | 50.205 | 8.315 | 0.0 | 46.029 | 6.907 | 0.0 | 46.22 | 6.828 | 0.0 | 58.167 | 9.502 | 0.0 | 50.928 | 7.573 | 0.0 | 45.571 | 6.544 | 0.0 | 45.142 | 6.066 |
| 133 | 4686 | 4687 | NS | 1 | 0.0 | 51.857 | 10.273 | 0.0 | 50.505 | 8.294 | 0.0 | 46.159 | 6.899 | 0.0 | 48.457 | 6.807 | 0.0 | 54.938 | 9.512 | 0.0 | 51.231 | 7.542 | 0.0 | 45.487 | 6.508 | 0.0 | 45.568 | 6.094 |
| 134 | 4686 | 4687 | SN | 1 | 0.0 | 56.563 | 11.903 | 0.0 | 49.979 | 11.981 | 0.0 | 49.988 | 9.11 | 0.0 | 44.204 | 9.646 | 0.0 | 53.176 | 11.771 | 0.0 | 52.671 | 11.819 | 0.0 | 46.747 | 9.081 | 0.0 | 41.335 | 9.66 |
| 135 | 4687 | 4688 | SN | 1 | 0.0 | 50.369 | 3.036 | 0.0 | 56.77 | 2.904 | 0.0 | 45.978 | 1.814 | 0.0 | 42.823 | 1.98 | 0.0 | 51.231 | 2.622 | 0.0 | 53.968 | 2.656 | 0.0 | 45.514 | 1.623 | 0.0 | 44.476 | 1.708 |
| 136 | 4687 | 4688 | SN | 1 | 0.0 | 50.369 | 3.17 | 0.0 | 56.77 | 3.087 | 0.0 | 45.978 | 1.849 | 0.0 | 42.823 | 2.085 | 0.0 | 51.231 | 2.765 | 0.0 | 53.968 | 2.839 | 0.0 | 45.514 | 1.674 | 0.0 | 44.476 | 1.805 |
| 137 | 4687 | 4688 | SN | 1 | 0.0 | 50.369 | 3.036 | 0.0 | 56.77 | 2.904 | 0.0 | 45.978 | 1.809 | 0.0 | 42.823 | 1.979 | 0.0 | 51.231 | 2.622 | 0.0 | 53.968 | 2.656 | 0.0 | 45.514 | 1.621 | 0.0 | 44.476 | 1.706 |
| 138 | 4687 | 4688 | NS | 1 | 0.0 | 39.012 | 2.527 | 0.0 | 41.136 | 1.932 | 0.0 | 37.034 | 1.653 | 0.0 | 41.891 | 1.55 | 0.0 | 39.46 | 2.377 | 0.0 | 40.337 | 1.783 | 0.0 | 38.628 | 1.489 | 0.0 | 41.675 | 1.374 |
| 139 | 4687 | 4688 | NS | 1 | 0.0 | 39.824 | 2.499 | 0.0 | 41.136 | 1.96 | 0.0 | 38.681 | 1.635 | 0.0 | 38.398 | 1.529 | 0.0 | 39.35 | 2.359 | 0.0 | 38.436 | 1.792 | 0.0 | 39.169 | 1.507 | 0.0 | 35.884 | 1.37 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 140 | 4687 | 4688 | SN | 1 | 0.0 | 51.026 | 9.181 | 0.0 | 54.507 | 8.595 | 0.0 | 47.1 | 6.745 | 0.0 | 47.98 | 6.871 | 0.0 | 51.117 | 8.487 | 0.0 | 56.863 | 7.821 | 0.0 | 49.114 | 6.165 | 0.0 | 47.712 | 6.104 |
| 141 | 4687 | 4688 | SN | 1 | 0.0 | 51.026 | 8.907 | 0.0 | 54.507 | 8.171 | 0.0 | 47.1 | 6.526 | 0.0 | 47.98 | 6.529 | 0.0 | 51.117 | 8.169 | 0.0 | 56.863 | 7.379 | 0.0 | 49.114 | 5.889 | 0.0 | 47.712 | 5.796 |
| 142 | 4687 | 4688 | SN | 1 | 0.0 | 51.026 | 8.907 | 0.0 | 54.507 | 8.161 | 0.0 | 47.1 | 6.526 | 0.0 | 47.98 | 6.529 | 0.0 | 51.117 | 8.169 | 0.0 | 56.863 | 7.369 | 0.0 | 49.114 | 5.889 | 0.0 | 47.712 | 5.796 |
| 143 | 4687 | 4688 | NS | 1 | 0.0 | 47.62 | 8.458 | 0.0 | 52.228 | 6.885 | 0.0 | 46.987 | 5.322 | 0.0 | 43.672 | 4.37 | 0.0 | 50.948 | 8.001 | 0.0 | 52.757 | 6.488 | 0.0 | 46.613 | 4.945 | 0.0 | 43.074 | 4.056 |
| 144 | 4687 | 4688 | NS | 1 | 0.0 | 44.402 | 8.427 | 0.0 | 48.424 | 6.966 | 0.0 | 45.446 | 5.301 | 0.0 | 42.925 | 4.32 | 0.0 | 46.257 | 8.021 | 0.0 | 45.508 | 6.56 | 0.0 | 45.683 | 4.909 | 0.0 | 42.332 | 4.056 |
| 145 | 4688 | 4689 | SN | 1 | 0.0 | 52.861 | 3.922 | 0.0 | 50.536 | 3.824 | 0.0 | 45.726 | 2.629 | 0.0 | 44.834 | 2.723 | 0.0 | 52.658 | 3.023 | 0.0 | 49.938 | 3.134 | 0.0 | 43.495 | 2.006 | 0.0 | 44.0 | 1.977 |
| 146 | 4688 | 4689 | SN | 1 | 0.0 | 53.036 | 3.952 | 0.0 | 50.536 | 3.814 | 0.0 | 45.822 | 2.608 | 0.0 | 44.67 | 2.702 | 0.0 | 53.083 | 3.022 | 0.0 | 49.938 | 3.145 | 0.0 | 43.591 | 1.97 | 0.0 | 43.885 | 1.955 |
| 147 | 4688 | 4689 | NS | 1 | 0.0 | 51.28 | 2.753 | 0.0 | 52.087 | 2.393 | 0.0 | 38.783 | 1.569 | 0.0 | 43.831 | 1.901 | 0.0 | 47.796 | 2.54 | 0.0 | 52.185 | 2.25 | 0.0 | 42.178 | 1.509 | 0.0 | 46.073 | 1.698 |
| 148 | 4688 | 4689 | NS | 1 | 0.0 | 49.243 | 2.78 | 0.0 | 49.453 | 2.411 | 0.0 | 40.329 | 1.624 | 0.0 | 39.979 | 1.821 | 0.0 | 50.831 | 2.57 | 0.0 | 50.564 | 2.194 | 0.0 | 41.803 | 1.503 | 0.0 | 40.609 | 1.599 |
| 149 | 4688 | 4689 | NS | 1 | 0.0 | 49.243 | 2.78 | 0.0 | 49.453 | 2.411 | 0.0 | 40.329 | 1.624 | 0.0 | 39.979 | 1.821 | 0.0 | 50.831 | 2.57 | 0.0 | 50.564 | 2.194 | 0.0 | 41.803 | 1.503 | 0.0 | 40.609 | 1.599 |
| 150 | 4688 | 4689 | SN | 1 | 0.0 | 40.948 | 1.238 | 0.0 | 47.259 | 1.185 | 0.0 | 44.185 | 0.76 | 0.0 | 37.317 | 0.745 | 0.0 | 44.163 | 0.921 | 0.0 | 49.331 | 0.861 | 0.0 | 39.521 | 0.523 | 0.0 | 37.483 | 0.513 |
| 151 | 4688 | 4689 | SN | 1 | 0.0 | 41.534 | 1.236 | 0.0 | 47.072 | 1.19 | 0.0 | 44.113 | 0.766 | 0.0 | 39.207 | 0.752 | 0.0 | 43.934 | 0.925 | 0.0 | 47.538 | 0.854 | 0.0 | 39.562 | 0.515 | 0.0 | 37.398 | 0.528 |
| 152 | 4688 | 4689 | NS | 1 | 0.0 | 48.471 | 8.143 | 0.0 | 57.638 | 7.315 | 0.0 | 47.023 | 5.549 | 0.0 | 48.225 | 6.104 | 0.0 | 50.404 | 7.442 | 0.0 | 56.73 | 6.878 | 0.0 | 46.695 | 5.286 | 0.0 | 45.479 | 5.762 |
| 153 | 4688 | 4689 | NS | 1 | 0.0 | 48.471 | 8.143 | 0.0 | 57.638 | 7.315 | 0.0 | 47.023 | 5.549 | 0.0 | 48.225 | 6.104 | 0.0 | 50.404 | 7.442 | 0.0 | 56.73 | 6.878 | 0.0 | 46.695 | 5.286 | 0.0 | 45.479 | 5.762 |
| 154 | 4688 | 4689 | NS | 1 | 0.0 | 55.355 | 7.828 | 0.0 | 56.722 | 7.366 | 0.0 | 47.895 | 5.456 | 0.0 | 50.092 | 6.239 | 0.0 | 54.175 | 7.432 | 0.0 | 55.497 | 6.878 | 0.0 | 46.708 | 5.271 | 0.0 | 48.299 | 5.854 |
| 155 | 4689 | 4690 | SN | 1 | 0.0 | 44.967 | 2.192 | 0.0 | 56.384 | 1.939 | 0.0 | 44.481 | 1.439 | 0.0 | 38.502 | 1.493 | 0.0 | 40.803 | 1.906 | 0.0 | 51.954 | 1.79 | 0.0 | 41.555 | 1.329 | 0.0 | 40.533 | 1.298 |
| 156 | 4689 | 4690 | NS | 1 | 0.0 | 45.089 | 3.0 | 0.0 | 49.02 | 2.772 | 0.0 | 40.698 | 1.792 | 0.0 | 47.283 | 1.89 | 0.0 | 46.558 | 2.738 | 0.0 | 53.049 | 2.487 | 0.0 | 37.593 | 1.702 | 0.0 | 47.487 | 1.699 |
| 157 | 4689 | 4690 | SN | 1 | 0.0 | 45.482 | 6.458 | 0.0 | 45.572 | 5.967 | 0.0 | 47.655 | 4.073 | 0.0 | 40.969 | 4.459 | 0.0 | 43.623 | 6.104 | 0.0 | 44.979 | 5.866 | 0.0 | 49.163 | 4.151 | 0.0 | 38.63 | 4.224 |
| 158 | 4689 | 4690 | NS | 1 | 0.0 | 45.089 | 3.0 | 0.0 | 49.02 | 2.772 | 0.0 | 40.698 | 1.792 | 0.0 | 47.283 | 1.89 | 0.0 | 46.558 | 2.738 | 0.0 | 53.049 | 2.487 | 0.0 | 37.593 | 1.702 | 0.0 | 47.487 | 1.699 |
| 159 | 4689 | 4690 | NS | 1 | 0.0 | 48.992 | 9.653 | 0.0 | 54.536 | 9.018 | 0.0 | 43.474 | 6.387 | 0.0 | 50.729 | 6.472 | 0.0 | 50.883 | 8.993 | 0.0 | 55.075 | 8.571 | 0.0 | 44.838 | 6.11 | 0.0 | 47.818 | 6.265 |
| 160 | 4689 | 4690 | NS | 1 | 0.0 | 48.992 | 9.653 | 0.0 | 54.536 | 9.018 | 0.0 | 43.474 | 6.387 | 0.0 | 50.729 | 6.472 | 0.0 | 50.883 | 8.993 | 0.0 | 55.075 | 8.571 | 0.0 | 44.838 | 6.11 | 0.0 | 47.818 | 6.265 |
| 161 | 4690 | 4691 | NS | 1 | 0.0 | 43.186 | 2.841 | 0.0 | 43.888 | 2.29 | 0.0 | 39.466 | 1.863 | 0.0 | 44.306 | 1.906 | 0.0 | 43.392 | 2.362 | 0.0 | 42.738 | 1.973 | 0.0 | 38.216 | 1.619 | 0.0 | 43.11 | 1.527 |
| 162 | 4690 | 4691 | NS | 1 | 0.0 | 47.518 | 8.228 | 0.0 | 52.678 | 6.774 | 0.0 | 42.81 | 5.831 | 0.0 | 47.329 | 5.269 | 0.0 | 48.593 | 7.163 | 0.0 | 53.31 | 6.092 | 0.0 | 42.775 | 5.241 | 0.0 | 46.859 | 4.791 |
| 163 | 4691 | 4692 | SN | 1 | 0.0 | 48.891 | 5.266 | 0.0 | 45.867 | 4.828 | 0.0 | 45.503 | 3.748 | 0.0 | 46.821 | 3.904 | 0.0 | 50.169 | 4.589 | 0.0 | 49.83 | 4.209 | 0.0 | 44.464 | 3.189 | 0.0 | 47.019 | 3.441 |
| 164 | 4691 | 4692 | SN | 1 | 0.0 | 43.91 | 1.49 | 0.0 | 47.553 | 1.397 | 0.0 | 42.19 | 1.033 | 0.0 | 42.329 | 1.025 | 0.0 | 46.928 | 1.238 | 0.0 | 50.689 | 1.176 | 0.0 | 41.392 | 0.861 | 0.0 | 41.327 | 0.85 |
| 165 | 4692 | 4693 | NS | 1 | 0.0 | 44.294 | 2.999 | 0.0 | 41.26 | 2.652 | 0.0 | 37.575 | 2.196 | 0.0 | 42.581 | 2.203 | 0.0 | 41.651 | 2.518 | 0.0 | 38.908 | 2.234 | 0.0 | 36.13 | 1.936 | 0.0 | 43.113 | 1.943 |
| 166 | 4692 | 4693 | NS | 1 | 0.0 | 46.339 | 7.964 | 0.0 | 45.466 | 7.101 | 0.0 | 45.722 | 6.114 | 0.0 | 43.953 | 6.502 | 0.0 | 44.893 | 7.446 | 0.0 | 45.514 | 6.256 | 0.0 | 46.085 | 5.417 | 0.0 | 45.985 | 5.704 |
| 167 | 4692 | 4693 | SN | 1 | 0.0 | 51.852 | 5.317 | 0.0 | 51.139 | 4.81 | 0.0 | 48.432 | 4.789 | 0.0 | 47.917 | 4.309 | 0.0 | 52.606 | 4.407 | 0.0 | 52.371 | 4.283 | 0.0 | 48.199 | 4.286 | 0.0 | 47.624 | 3.94 |
| 168 | 4692 | 4693 | NS | 1 | 0.0 | 44.294 | 2.877 | 0.0 | 41.26 | 2.544 | 0.0 | 37.575 | 2.102 | 0.0 | 42.581 | 2.113 | 0.0 | 41.651 | 2.411 | 0.0 | 38.908 | 2.143 | 0.0 | 36.13 | 1.853 | 0.0 | 43.113 | 1.864 |
| 169 | 4692 | 4693 | SN | 1 | 0.0 | 43.522 | 1.863 | 0.0 | 55.267 | 1.643 | 0.0 | 41.848 | 1.536 | 0.0 | 44.942 | 1.36 | 0.0 | 42.411 | 1.568 | 0.0 | 50.664 | 1.373 | 0.0 | 38.0 | 1.368 | 0.0 | 43.728 | 1.218 |
| 170 | 4692 | 4693 | NS | 1 | 0.0 | 46.339 | 8.283 | 0.0 | 45.466 | 7.381 | 0.0 | 45.722 | 6.382 | 0.0 | 43.953 | 6.781 | 0.0 | 44.893 | 7.753 | 0.0 | 45.514 | 6.501 | 0.0 | 46.085 | 5.661 | 0.0 | 45.985 | 5.948 |
| 171 | 4693 | 4694 | NS | 1 | 0.0 | 45.723 | 2.805 | 0.0 | 43.341 | 2.41 | 0.0 | 38.197 | 1.751 | 0.0 | 40.443 | 2.043 | 0.0 | 45.723 | 2.254 | 0.0 | 40.756 | 1.997 | 0.0 | 39.973 | 1.507 | 0.0 | 41.9 | 1.672 |
| 172 | 4693 | 4694 | NS | 1 | 0.0 | 51.156 | 8.611 | 0.0 | 47.256 | 6.937 | 0.0 | 39.832 | 5.296 | 0.0 | 42.14 | 6.025 | 0.0 | 51.087 | 7.631 | 0.0 | 48.174 | 6.256 | 0.0 | 38.028 | 4.765 | 0.0 | 41.9 | 5.179 |

| | | | | | |
|--------------------------|------------|------|--------|--------|------------|
| 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 | 4666 | 4667 | SN | 1 | 0.0 | 33.498 | 16.415 | 0.0 | 27.785 | 13.791 | 0.0 | 169.311 | 15.17 | 0.0 | 90.576 | 15.082 | 0.0 | 1.924 | 0.0 | 0.0 | 1.967 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.144 | 0.0 |
| 2 | 4666 | 4667 | SN | 1 | 0.0 | 25.755 | 11.175 | 0.0 | 28.38 | 11.007 | 0.0 | 159.246 | 6.357 | 0.0 | 74.058 | 6.298 | 0.0 | 1.935 | 0.0 | 0.0 | 1.976 | 0.0 | 0.0 | 2.089 | 0.0 | 0.0 | 2.109 | 0.0 |
| 3 | 4666 | 4667 | SN | 1 | 0.0 | 25.755 | 11.175 | 0.0 | 28.38 | 11.007 | 0.0 | 159.246 | 6.357 | 0.0 | 74.058 | 6.298 | 0.0 | 1.935 | 0.0 | 0.0 | 1.976 | 0.0 | 0.0 | 2.089 | 0.0 | 0.0 | 2.109 | 0.0 |
| 4 | 4666 | 4667 | NS | 1 | 0.0 | 26.003 | 8.921 | 0.0 | 25.943 | 8.646 | 0.0 | 126.418 | 2.52 | 0.0 | 41.903 | 2.368 | 0.0 | 1.895 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.019 | 0.0 | 0.0 | 2.014 | 0.0 |
| 5 | 4666 | 4667 | NS | 1 | 0.0 | 27.25 | 15.36 | 0.0 | 32.665 | 15.432 | 0.0 | 356.526 | 11.395 | 0.0 | 53.865 | 12.008 | 0.0 | 1.905 | 0.0 | 0.0 | 1.904 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.02 | 0.0 |
| 6 | 4666 | 4667 | SN | 1 | 0.0 | 33.498 | 16.415 | 0.0 | 27.785 | 13.791 | 0.0 | 169.311 | 15.17 | 0.0 | 90.576 | 15.082 | 0.0 | 1.924 | 0.0 | 0.0 | 1.967 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.144 | 0.0 |
| 7 | 4667 | 4668 | SN | 1 | 0.0 | 25.777 | 11.223 | 0.0 | 28.066 | 11.092 | 0.0 | 160.746 | 6.442 | 0.0 | 206.01 | 6.331 | 0.0 | 1.938 | 0.0 | 0.0 | 1.95 | 0.0 | 0.0 | 2.087 | 0.0 | 0.0 | 2.118 | 0.0 |
| 8 | 4667 | 4668 | SN | 1 | 0.0 | 33.399 | 16.417 | 0.0 | 28.391 | 13.882 | 0.0 | 155.788 | 15.15 | 0.0 | 122.149 | 15.161 | 0.0 | 2.353 | 0.0 | 0.0 | 2.37 | 0.0 | 0.0 | 2.558 | 0.0 | 0.0 | 2.57 | 0.0 |
| 9 | 4667 | 4668 | SN | 1 | 0.0 | 33.399 | 16.485 | 0.0 | 28.485 | 13.902 | 0.0 | 155.788 | 15.161 | 0.0 | 122.149 | 15.126 | 0.0 | 1.934 | 0.0 | 0.0 | 1.964 | 0.0 | 0.0 | 2.09 | 0.0 | 0.0 | 2.141 | 0.0 |
| 10 | 4667 | 4668 | NS | 1 | 0.0 | 25.998 | 8.918 | 0.0 | 25.932 | 8.574 | 0.0 | 131.922 | 2.538 | 0.0 | 43.083 | 2.33 | 0.0 | 1.895 | 0.0 | 0.0 | 1.896 | 0.0 | 0.0 | 2.019 | 0.0 | 0.0 | 2.012 | 0.0 |
| 11 | 4667 | 4668 | NS | 1 | 0.0 | 27.244 | 15.478 | 0.0 | 32.649 | 15.397 | 0.0 | 353.559 | 11.389 | 0.0 | 36.035 | 11.833 | 0.0 | 1.905 | 0.0 | 0.0 | 1.903 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.02 | 0.0 |
| 12 | 4668 | 4669 | SN | 1 | 0.0 | 27.007 | 10.744 | 0.0 | 27.09 | 11.382 | 0.0 | 173.893 | 5.676 | 0.0 | 75.691 | 6.221 | 0.0 | 2.139 | 0.0 | 0.0 | 1.937 | 0.0 | 0.0 | 2.241 | 0.0 | 0.0 | 2.121 | 0.0 |
| 13 | 4668 | 4669 | SN | 1 | 0.0 | 27.007 | 10.744 | 0.0 | 27.09 | 11.377 | 0.0 | 173.893 | 5.676 | 0.0 | 75.691 | 6.216 | 0.0 | 2.263 | 0.0 | 0.0 | 2.276 | 0.0 | 0.0 | 2.46 | 0.0 | 0.0 | 2.414 | 0.0 |
| 14 | 4668 | 4669 | NS | 1 | 0.0 | 27.211 | 8.666 | 0.0 | 25.937 | 8.942 | 0.0 | 352.808 | 2.184 | 0.0 | 40.64 | 2.544 | 0.0 | 2.141 | 0.0 | 0.0 | 2.394 | 0.0 | 0.0 | 2.124 | 0.0 | 0.0 | 2.607 | 0.0 |
| 15 | 4668 | 4669 | SN | 1 | 0.0 | 32.544 | 15.49 | 0.0 | 27.272 | 14.031 | 0.0 | 157.1 | 15.009 | 0.0 | 50.716 | 15.419 | 0.0 | 2.269 | 0.0 | 0.0 | 2.262 | 0.0 | 0.0 | 2.465 | 0.0 | 0.0 | 2.256 | 0.0 |
| 16 | 4668 | 4669 | SN | 1 | 0.0 | 32.544 | 15.5 | 0.0 | 27.272 | 14.031 | 0.0 | 157.1 | 15.009 | 0.0 | 50.716 | 15.419 | 0.0 | 2.154 | 0.0 | 0.0 | 1.941 | 0.0 | 0.0 | 2.225 | 0.0 | 0.0 | 2.126 | 0.0 |
| 17 | 4668 | 4669 | NS | 1 | 0.0 | 27.183 | 14.988 | 0.0 | 32.351 | 15.356 | 0.0 | 146.04 | 11.163 | 0.0 | 53.462 | 11.516 | 0.0 | 2.133 | 0.0 | 0.0 | 2.397 | 0.0 | 0.0 | 2.136 | 0.0 | 0.0 | 2.61 | 0.0 |
| 18 | 4669 | 4670 | SN | 1 | 0.0 | 25.766 | 11.25 | 0.0 | 28.049 | 11.086 | 0.0 | 198.518 | 6.458 | 0.0 | 63.88 | 6.337 | 0.0 | 1.933 | 0.0 | 0.0 | 1.953 | 0.0 | 0.0 | 2.09 | 0.0 | 0.0 | 2.126 | 0.0 |
| 19 | 4669 | 4670 | NS | 1 | 0.0 | 28.275 | 15.371 | 0.0 | 32.676 | 15.42 | 0.0 | 355.389 | 11.389 | 0.0 | 50.368 | 11.847 | 0.0 | 1.906 | 0.0 | 0.0 | 2.165 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.025 | 0.0 |
| 20 | 4669 | 4670 | SN | 1 | 0.0 | 25.766 | 11.25 | 0.0 | 28.049 | 11.086 | 0.0 | 198.518 | 6.458 | 0.0 | 63.88 | 6.339 | 0.0 | 1.933 | 0.0 | 0.0 | 1.953 | 0.0 | 0.0 | 2.09 | 0.0 | 0.0 | 2.126 | 0.0 |
| 21 | 4669 | 4670 | SN | 1 | 0.0 | 33.487 | 16.562 | 0.0 | 27.785 | 13.8 | 0.0 | 193.836 | 15.24 | 0.0 | 111.886 | 15.137 | 0.0 | 1.922 | 0.0 | 0.0 | 1.964 | 0.0 | 0.0 | 2.094 | 0.0 | 0.0 | 2.146 | 0.0 |
| 22 | 4669 | 4670 | SN | 1 | 0.0 | 33.487 | 16.562 | 0.0 | 27.785 | 13.8 | 0.0 | 193.836 | 15.24 | 0.0 | 111.919 | 15.137 | 0.0 | 1.922 | 0.0 | 0.0 | 1.964 | 0.0 | 0.0 | 2.094 | 0.0 | 0.0 | 2.146 | 0.0 |
| 23 | 4670 | 4671 | SN | 1 | 0.0 | 25.766 | 11.239 | 0.0 | 28.038 | 11.091 | 0.0 | 181.135 | 6.452 | 0.0 | 83.999 | 6.349 | 0.0 | 1.934 | 0.0 | 0.0 | 1.974 | 0.0 | 0.0 | 2.089 | 0.0 | 0.0 | 2.11 | 0.0 |
| 24 | 4670 | 4671 | SN | 1 | 0.0 | 33.349 | 16.574 | 0.0 | 27.79 | 13.842 | 0.0 | 184.162 | 15.301 | 0.0 | 146.222 | 15.14 | 0.0 | 1.926 | 0.0 | 0.0 | 1.965 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.144 | 0.0 |
| 25 | 4670 | 4671 | SN | 1 | 0.0 | 33.349 | 16.574 | 0.0 | 27.79 | 13.842 | 0.0 | 184.162 | 15.301 | 0.0 | 146.222 | 15.14 | 0.0 | 1.926 | 0.0 | 0.0 | 1.965 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.144 | 0.0 |
| 26 | 4670 | 4671 | NS | 1 | 0.0 | 27.244 | 15.364 | 0.0 | 32.616 | 15.407 | 0.0 | 353.503 | 11.403 | 0.0 | 36.013 | 11.871 | 0.0 | 1.905 | 0.0 | 0.0 | 1.903 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.02 | 0.0 |
| 27 | 4670 | 4671 | NS | 1 | 0.0 | 25.976 | 8.973 | 0.0 | 25.937 | 8.588 | 0.0 | 123.412 | 2.523 | 0.0 | 32.936 | 2.277 | 0.0 | 1.894 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.021 | 0.0 | 0.0 | 2.014 | 0.0 |
| 28 | 4670 | 4671 | SN | 1 | 0.0 | 25.766 | 11.239 | 0.0 | 28.038 | 11.091 | 0.0 | 181.135 | 6.452 | 0.0 | 83.999 | 6.349 | 0.0 | 1.934 | 0.0 | 0.0 | 1.974 | 0.0 | 0.0 | 2.089 | 0.0 | 0.0 | 2.11 | 0.0 |
| 29 | 4671 | 4672 | SN | 1 | 0.0 | 33.421 | 16.431 | 0.0 | 27.255 | 13.597 | 0.0 | 166.884 | 15.542 | 0.0 | 15.823 | 14.663 | 0.0 | 1.931 | 0.0 | 0.0 | 1.964 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.143 | 0.0 |
| 30 | 4671 | 4672 | SN | 1 | 0.0 | 25.772 | 11.245 | 0.0 | 28.055 | 11.09 | 0.0 | 172.233 | 6.418 | 0.0 | 75.007 | 6.332 | 0.0 | 1.935 | 0.0 | 0.0 | 1.951 | 0.0 | 0.0 | 2.09 | 0.0 | 0.0 | 2.126 | 0.0 |
| 31 | 4671 | 4672 | NS | 1 | 0.0 | 27.255 | 15.357 | 0.0 | 32.665 | 15.496 | 0.0 | 136.576 | 11.373 | 0.0 | 48.609 | 11.952 | 0.0 | 1.906 | 0.0 | 0.0 | 1.894 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.02 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 32 | 4671 | 4672 | SN | 1 | 0.0 | 33.421 | 16.419 | 0.0 | 28.518 | 13.862 | 0.0 | 166.884 | 15.237 | 0.0 | 164.995 | 15.1 | 0.0 | 1.931 | 0.0 | 0.0 | 1.964 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.143 | 0.0 |
| 33 | 4671 | 4672 | SN | 1 | 0.0 | 25.772 | 11.328 | 0.0 | 28.055 | 11.096 | 0.0 | 172.233 | 6.575 | 0.0 | 15.558 | 6.27 | 0.0 | 1.935 | 0.0 | 0.0 | 1.951 | 0.0 | 0.0 | 2.09 | 0.0 | 0.0 | 2.126 | 0.0 |
| 34 | 4671 | 4672 | NS | 1 | 0.0 | 25.987 | 8.942 | 0.0 | 25.948 | 8.591 | 0.0 | 353.421 | 2.546 | 0.0 | 37.838 | 2.287 | 0.0 | 1.895 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.02 | 0.0 | 0.0 | 2.013 | 0.0 |
| 35 | 4672 | 4673 | NS | 1 | 0.0 | 26.003 | 8.91 | 0.0 | 25.948 | 8.65 | 0.0 | 137.255 | 2.502 | 0.0 | 40.265 | 2.347 | 0.0 | 1.895 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.02 | 0.0 | 0.0 | 2.017 | 0.0 |
| 36 | 4672 | 4673 | SN | 1 | 0.0 | 33.371 | 16.395 | 0.0 | 27.101 | 13.366 | 0.0 | 157.757 | 15.73 | 0.0 | 15.657 | 14.481 | 0.0 | 1.911 | 0.0 | 0.0 | 1.963 | 0.0 | 0.0 | 2.09 | 0.0 | 0.0 | 2.139 | 0.0 |
| 37 | 4672 | 4673 | NS | 1 | 0.0 | 27.228 | 15.324 | 0.0 | 32.665 | 15.496 | 0.0 | 355.373 | 11.377 | 0.0 | 50.843 | 12.038 | 0.0 | 1.905 | 0.0 | 0.0 | 1.906 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.021 | 0.0 |
| 38 | 4672 | 4673 | SN | 1 | 0.0 | 25.761 | 11.375 | 0.0 | 28.397 | 11.068 | 0.0 | 163.514 | 6.671 | 0.0 | 15.547 | 6.278 | 0.0 | 1.934 | 0.0 | 0.0 | 1.968 | 0.0 | 0.0 | 2.089 | 0.0 | 0.0 | 2.111 | 0.0 |
| 39 | 4672 | 4673 | SN | 1 | 0.0 | 33.371 | 16.281 | 0.0 | 28.551 | 13.759 | 0.0 | 157.757 | 15.212 | 0.0 | 117.572 | 15.045 | 0.0 | 1.911 | 0.0 | 0.0 | 1.963 | 0.0 | 0.0 | 2.09 | 0.0 | 0.0 | 2.139 | 0.0 |
| 40 | 4672 | 4673 | SN | 1 | 0.0 | 25.761 | 11.184 | 0.0 | 28.397 | 11.009 | 0.0 | 163.514 | 6.383 | 0.0 | 59.992 | 6.281 | 0.0 | 1.934 | 0.0 | 0.0 | 1.968 | 0.0 | 0.0 | 2.089 | 0.0 | 0.0 | 2.111 | 0.0 |
| 41 | 4673 | 4674 | NS | 1 | 0.0 | 25.981 | 8.893 | 0.0 | 25.954 | 8.712 | 0.0 | 120.23 | 2.496 | 0.0 | 45.366 | 2.364 | 0.0 | 1.894 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.02 | 0.0 | 0.0 | 2.015 | 0.0 |
| 42 | 4673 | 4674 | SN | 1 | 0.0 | 25.761 | 11.145 | 0.0 | 28.408 | 10.96 | 0.0 | 155.655 | 6.185 | 0.0 | 70.586 | 6.193 | 0.0 | 1.934 | 0.0 | 0.0 | 1.972 | 0.0 | 0.0 | 2.087 | 0.0 | 0.0 | 2.113 | 0.0 |
| 43 | 4673 | 4674 | NS | 1 | 0.0 | 27.244 | 15.181 | 0.0 | 32.572 | 15.473 | 0.0 | 353.619 | 11.374 | 0.0 | 34.888 | 12.086 | 0.0 | 1.906 | 0.0 | 0.0 | 1.902 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.021 | 0.0 |
| 44 | 4673 | 4674 | SN | 1 | 0.0 | 33.515 | 16.2 | 0.0 | 28.386 | 13.848 | 0.0 | 159.306 | 15.153 | 0.0 | 120.897 | 15.019 | 0.0 | 1.929 | 0.0 | 0.0 | 1.962 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.135 | 0.0 |
| 45 | 4674 | 4675 | SN | 1 | 0.0 | 25.761 | 11.131 | 0.0 | 28.397 | 10.956 | 0.0 | 158.363 | 6.311 | 0.0 | 130.091 | 6.316 | 0.0 | 1.934 | 0.0 | 0.0 | 1.958 | 0.0 | 0.0 | 2.087 | 0.0 | 0.0 | 2.128 | 0.0 |
| 46 | 4674 | 4675 | NS | 1 | 0.0 | 27.244 | 15.267 | 0.0 | 32.698 | 15.391 | 0.0 | 137.216 | 11.331 | 0.0 | 51.543 | 12.024 | 0.0 | 1.907 | 0.0 | 0.0 | 1.896 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.024 | 0.0 |
| 47 | 4674 | 4675 | SN | 1 | 0.0 | 33.448 | 16.219 | 0.0 | 28.513 | 13.853 | 0.0 | 151.756 | 15.194 | 0.0 | 133.416 | 15.122 | 0.0 | 1.931 | 0.0 | 0.0 | 1.963 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.138 | 0.0 |
| 48 | 4674 | 4675 | NS | 1 | 0.0 | 25.998 | 8.883 | 0.0 | 25.948 | 8.659 | 0.0 | 355.064 | 2.486 | 0.0 | 52.475 | 2.352 | 0.0 | 1.895 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.021 | 0.0 | 0.0 | 2.017 | 0.0 |
| 49 | 4675 | 4676 | NS | 1 | 0.0 | 27.239 | 15.235 | 0.0 | 32.544 | 15.465 | 0.0 | 355.296 | 11.372 | 0.0 | 50.606 | 12.082 | 0.0 | 1.907 | 0.0 | 0.0 | 1.929 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.023 | 0.0 |
| 50 | 4675 | 4676 | NS | 1 | 0.0 | 25.97 | 8.881 | 0.0 | 25.965 | 8.712 | 0.0 | 126.456 | 2.48 | 0.0 | 40.243 | 2.362 | 0.0 | 1.894 | 0.0 | 0.0 | 1.92 | 0.0 | 0.0 | 2.02 | 0.0 | 0.0 | 2.016 | 0.0 |
| 51 | 4675 | 4676 | SN | 1 | 0.0 | 33.46 | 16.131 | 0.0 | 28.479 | 13.85 | 0.0 | 158.021 | 15.22 | 0.0 | 137.955 | 15.081 | 0.0 | 1.911 | 0.0 | 0.0 | 1.962 | 0.0 | 0.0 | 2.09 | 0.0 | 0.0 | 2.111 | 0.0 |
| 52 | 4675 | 4676 | SN | 1 | 0.0 | 25.772 | 11.158 | 0.0 | 28.397 | 10.95 | 0.0 | 158.788 | 6.327 | 0.0 | 136.455 | 6.336 | 0.0 | 1.936 | 0.0 | 0.0 | 1.974 | 0.0 | 0.0 | 2.088 | 0.0 | 0.0 | 2.109 | 0.0 |
| 53 | 4676 | 4677 | NS | 1 | 0.0 | 27.255 | 15.257 | 0.0 | 32.654 | 15.485 | 0.0 | 353.47 | 11.317 | 0.0 | 39.366 | 12.122 | 0.0 | 1.908 | 0.0 | 0.0 | 1.895 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.023 | 0.0 |
| 54 | 4676 | 4677 | SN | 1 | 0.0 | 25.761 | 11.167 | 0.0 | 28.38 | 10.969 | 0.0 | 177.693 | 6.298 | 0.0 | 68.772 | 6.162 | 0.0 | 1.936 | 0.0 | 0.0 | 1.956 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.122 | 0.0 |
| 55 | 4676 | 4677 | SN | 1 | 0.0 | 33.437 | 16.148 | 0.0 | 27.873 | 13.822 | 0.0 | 180.296 | 15.234 | 0.0 | 123.015 | 15.056 | 0.0 | 1.915 | 0.0 | 0.0 | 1.959 | 0.0 | 0.0 | 2.092 | 0.0 | 0.0 | 2.135 | 0.0 |
| 56 | 4676 | 4677 | NS | 1 | 0.0 | 25.981 | 8.879 | 0.0 | 25.965 | 8.743 | 0.0 | 121.564 | 2.498 | 0.0 | 25.59 | 2.377 | 0.0 | 1.895 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.02 | 0.0 | 0.0 | 2.018 | 0.0 |
| 57 | 4677 | 4678 | NS | 1 | 0.0 | 25.981 | 8.903 | 0.0 | 25.97 | 8.737 | 0.0 | 127.769 | 2.486 | 0.0 | 38.169 | 2.437 | 0.0 | 1.894 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.02 | 0.0 | 0.0 | 2.023 | 0.0 |
| 58 | 4677 | 4678 | SN | 1 | 0.0 | 25.755 | 11.163 | 0.0 | 28.386 | 10.956 | 0.0 | 165.875 | 6.344 | 0.0 | 70.537 | 6.306 | 0.0 | 1.936 | 0.0 | 0.0 | 1.976 | 0.0 | 0.0 | 2.09 | 0.0 | 0.0 | 2.106 | 0.0 |
| 59 | 4677 | 4678 | NS | 1 | 0.0 | 27.244 | 15.259 | 0.0 | 32.621 | 15.432 | 0.0 | 128.745 | 11.438 | 0.0 | 51.648 | 12.215 | 0.0 | 1.907 | 0.0 | 0.0 | 1.921 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.023 | 0.0 |
| 60 | 4677 | 4678 | NS | 1 | 0.0 | 25.981 | 8.907 | 0.0 | 25.97 | 8.736 | 0.0 | 127.769 | 2.492 | 0.0 | 16.551 | 2.398 | 0.0 | 1.894 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.02 | 0.0 | 0.0 | 2.023 | 0.0 |
| 61 | 4677 | 4678 | NS | 1 | 0.0 | 27.244 | 15.244 | 0.0 | 31.948 | 15.357 | 0.0 | 128.745 | 11.483 | 0.0 | 27.211 | 12.128 | 0.0 | 1.907 | 0.0 | 0.0 | 1.921 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.023 | 0.0 |
| 62 | 4677 | 4678 | SN | 1 | 0.0 | 33.448 | 16.278 | 0.0 | 28.435 | 13.797 | 0.0 | 172.664 | 15.192 | 0.0 | 137.668 | 15.094 | 0.0 | 1.931 | 0.0 | 0.0 | 1.962 | 0.0 | 0.0 | 2.092 | 0.0 | 0.0 | 2.113 | 0.0 |
| 63 | 4678 | 4679 | NS | 1 | 0.0 | 26.009 | 8.884 | 0.0 | 25.987 | 8.763 | 0.0 | 336.837 | 2.496 | 0.0 | 21.349 | 2.455 | 0.0 | 1.894 | 0.0 | 0.0 | 1.94 | 0.0 | 0.0 | 2.021 | 0.0 | 0.0 | 2.026 | 0.0 |
| 64 | 4678 | 4679 | NS | 1 | 0.0 | 27.244 | 15.342 | 0.0 | 30.068 | 14.97 | 0.0 | 336.837 | 11.716 | 0.0 | 14.157 | 11.446 | 0.0 | 1.907 | 0.0 | 0.0 | 1.947 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.029 | 0.0 |
| 65 | 4678 | 4679 | NS | 1 | 0.0 | 26.009 | 8.931 | 0.0 | 25.987 | 8.696 | 0.0 | 336.837 | 2.586 | 0.0 | 11.659 | 2.378 | 0.0 | 1.894 | 0.0 | 0.0 | 1.94 | 0.0 | 0.0 | 2.021 | 0.0 | 0.0 | 2.026 | 0.0 |
| 66 | 4678 | 4679 | SN | 1 | 0.0 | 33.261 | 16.112 | 0.0 | 28.479 | 13.791 | 0.0 | 185.883 | 15.171 | 0.0 | 117.842 | 15.04 | 0.0 | 1.91 | 0.0 | 0.0 | 1.958 | 0.0 | 0.0 | 2.09 | 0.0 | 0.0 | 2.128 | 0.0 |
| 67 | 4678 | 4679 | SN | 1 | 0.0 | 25.761 | 11.159 | 0.0 | 28.386 | 10.92 | 0.0 | 164.468 | 6.36 | 0.0 | 63.591 | 6.333 | 0.0 | 1.933 | 0.0 | 0.0 | 1.966 | 0.0 | 0.0 | 2.088 | 0.0 | 0.0 | 2.128 | 0.0 |
| 68 | 4678 | 4679 | NS | 1 | 0.0 | 27.244 | 15.221 | 0.0 | 32.665 | 15.475 | 0.0 | 336.837 | 11.374 | 0.0 | 38.065 | 12.101 | 0.0 | 1.907 | 0.0 | 0.0 | 1.947 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.029 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 69 | 4679 | 4680 | NS | 1 | 0.0 | 26.014 | 9.023 | 0.0 | 25.987 | 8.76 | 0.0 | 354.595 | 2.715 | 0.0 | 11.664 | 2.392 | 0.0 | 1.896 | 0.0 | 0.0 | 1.938 | 0.0 | 0.0 | 2.023 | 0.0 | 0.0 | 2.035 | 0.0 |
| 70 | 4679 | 4680 | NS | 1 | 0.0 | 27.261 | 15.476 | 0.0 | 30.079 | 14.742 | 0.0 | 355.384 | 12.056 | 0.0 | 13.109 | 11.151 | 0.0 | 1.906 | 0.0 | 0.0 | 1.896 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.032 | 0.0 |
| 71 | 4680 | 4681 | SN | 1 | 0.0 | 33.46 | 16.115 | 0.0 | 27.906 | 13.813 | 0.0 | 175.002 | 15.094 | 0.0 | 50.087 | 14.941 | 0.0 | 1.932 | 0.0 | 0.0 | 1.964 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.134 | 0.0 |
| 72 | 4680 | 4681 | SN | 1 | 0.0 | 33.46 | 16.184 | 0.0 | 27.239 | 13.438 | 0.0 | 175.002 | 15.464 | 0.0 | 15.646 | 14.471 | 0.0 | 1.932 | 0.0 | 0.0 | 1.964 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.134 | 0.0 |
| 73 | 4680 | 4681 | SN | 1 | 0.0 | 33.46 | 16.102 | 0.0 | 27.906 | 13.813 | 0.0 | 175.002 | 15.08 | 0.0 | 50.087 | 14.941 | 0.0 | 1.932 | 0.0 | 0.0 | 1.964 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.134 | 0.0 |
| 74 | 4680 | 4681 | SN | 1 | 0.0 | 25.733 | 11.204 | 0.0 | 76.899 | 10.87 | 0.0 | 161.231 | 6.456 | 0.0 | 15.536 | 6.074 | 0.0 | 1.934 | 0.0 | 0.0 | 1.977 | 0.0 | 0.0 | 2.086 | 0.0 | 0.0 | 2.105 | 0.0 |
| 75 | 4680 | 4681 | SN | 1 | 0.0 | 25.733 | 11.097 | 0.0 | 76.899 | 10.833 | 0.0 | 161.231 | 6.27 | 0.0 | 42.124 | 6.102 | 0.0 | 1.934 | 0.0 | 0.0 | 1.977 | 0.0 | 0.0 | 2.086 | 0.0 | 0.0 | 2.105 | 0.0 |
| 76 | 4680 | 4681 | SN | 1 | 0.0 | 25.733 | 11.09 | 0.0 | 76.899 | 10.828 | 0.0 | 161.231 | 6.264 | 0.0 | 71.786 | 6.107 | 0.0 | 1.934 | 0.0 | 0.0 | 1.977 | 0.0 | 0.0 | 2.086 | 0.0 | 0.0 | 2.105 | 0.0 |
| 77 | 4681 | 4682 | SN | 1 | 0.0 | 37.645 | 16.135 | 0.0 | 28.479 | 13.931 | 0.0 | 161.628 | 15.171 | 0.0 | 141.192 | 15.161 | 0.0 | 1.932 | 0.0 | 0.0 | 1.961 | 0.0 | 0.0 | 2.09 | 0.0 | 0.0 | 2.108 | 0.0 |
| 78 | 4681 | 4682 | SN | 1 | 0.0 | 25.75 | 11.203 | 0.0 | 28.391 | 10.853 | 0.0 | 163.012 | 6.318 | 0.0 | 17.67 | 6.239 | 0.0 | 1.934 | 0.0 | 0.0 | 1.957 | 0.0 | 0.0 | 2.088 | 0.0 | 0.0 | 2.103 | 0.0 |
| 79 | 4681 | 4682 | SN | 1 | 0.0 | 25.75 | 11.177 | 0.0 | 28.391 | 10.859 | 0.0 | 163.012 | 6.277 | 0.0 | 65.342 | 6.268 | 0.0 | 1.934 | 0.0 | 0.0 | 1.957 | 0.0 | 0.0 | 2.088 | 0.0 | 0.0 | 2.103 | 0.0 |
| 80 | 4681 | 4682 | NS | 1 | 0.0 | 27.233 | 15.272 | 0.0 | 32.5 | 15.38 | 0.0 | 355.345 | 11.317 | 0.0 | 38.34 | 12.042 | 0.0 | 1.906 | 0.0 | 0.0 | 1.945 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.038 | 0.0 |
| 81 | 4681 | 4682 | SN | 1 | 0.0 | 37.645 | 16.156 | 0.0 | 28.479 | 13.824 | 0.0 | 161.628 | 15.253 | 0.0 | 26.389 | 15.043 | 0.0 | 1.932 | 0.0 | 0.0 | 1.961 | 0.0 | 0.0 | 2.09 | 0.0 | 0.0 | 2.108 | 0.0 |
| 82 | 4681 | 4682 | NS | 1 | 0.0 | 25.981 | 8.892 | 0.0 | 25.992 | 8.747 | 0.0 | 135.722 | 2.485 | 0.0 | 34.039 | 2.456 | 0.0 | 1.894 | 0.0 | 0.0 | 1.94 | 0.0 | 0.0 | 2.02 | 0.0 | 0.0 | 2.042 | 0.0 |
| 83 | 4681 | 4682 | NS | 1 | 0.0 | 25.981 | 8.892 | 0.0 | 25.992 | 8.747 | 0.0 | 135.722 | 2.485 | 0.0 | 34.039 | 2.456 | 0.0 | 1.894 | 0.0 | 0.0 | 1.94 | 0.0 | 0.0 | 2.02 | 0.0 | 0.0 | 2.042 | 0.0 |
| 84 | 4681 | 4682 | NS | 1 | 0.0 | 27.233 | 15.272 | 0.0 | 32.5 | 15.38 | 0.0 | 355.345 | 11.317 | 0.0 | 38.34 | 12.042 | 0.0 | 1.906 | 0.0 | 0.0 | 1.945 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.038 | 0.0 |
| 85 | 4682 | 4683 | SN | 1 | 0.0 | 37.546 | 16.149 | 0.0 | 28.38 | 13.846 | 0.0 | 158.214 | 15.208 | 0.0 | 54.896 | 15.072 | 0.0 | 1.908 | 0.0 | 0.0 | 1.965 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.143 | 0.0 |
| 86 | 4682 | 4683 | SN | 1 | 0.0 | 33.476 | 16.173 | 0.0 | 28.38 | 13.872 | 0.0 | 158.192 | 15.21 | 0.0 | 128.298 | 15.112 | 0.0 | 1.908 | 0.0 | 0.0 | 1.965 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.143 | 0.0 |
| 87 | 4682 | 4683 | NS | 1 | 0.0 | 27.239 | 15.272 | 0.0 | 33.327 | 15.351 | 0.0 | 355.814 | 11.345 | 0.0 | 39.912 | 12.028 | 0.0 | 1.908 | 0.0 | 0.0 | 1.955 | 0.0 | 0.0 | 2.03 | 0.0 | 0.0 | 2.034 | 0.0 |
| 88 | 4682 | 4683 | SN | 1 | 0.0 | 25.783 | 11.187 | 0.0 | 28.391 | 10.911 | 0.0 | 153.488 | 6.371 | 0.0 | 128.298 | 6.335 | 0.0 | 1.934 | 0.0 | 0.0 | 1.976 | 0.0 | 0.0 | 2.088 | 0.0 | 0.0 | 2.111 | 0.0 |
| 89 | 4682 | 4683 | SN | 1 | 0.0 | 25.783 | 11.178 | 0.0 | 28.391 | 10.916 | 0.0 | 153.527 | 6.373 | 0.0 | 56.827 | 6.331 | 0.0 | 1.934 | 0.0 | 0.0 | 1.976 | 0.0 | 0.0 | 2.088 | 0.0 | 0.0 | 2.111 | 0.0 |
| 90 | 4682 | 4683 | SN | 1 | 0.0 | 25.783 | 11.206 | 0.0 | 28.391 | 10.91 | 0.0 | 153.488 | 6.407 | 0.0 | 18.067 | 6.306 | 0.0 | 1.934 | 0.0 | 0.0 | 1.976 | 0.0 | 0.0 | 2.088 | 0.0 | 0.0 | 2.111 | 0.0 |
| 91 | 4682 | 4683 | SN | 1 | 0.0 | 33.476 | 16.176 | 0.0 | 27.867 | 13.784 | 0.0 | 158.192 | 15.265 | 0.0 | 26.483 | 15.007 | 0.0 | 1.908 | 0.0 | 0.0 | 1.965 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.143 | 0.0 |
| 92 | 4682 | 4683 | NS | 1 | 0.0 | 25.976 | 8.876 | 0.0 | 25.998 | 8.68 | 0.0 | 353.575 | 2.484 | 0.0 | 22.755 | 2.416 | 0.0 | 1.893 | 0.0 | 0.0 | 1.949 | 0.0 | 0.0 | 2.021 | 0.0 | 0.0 | 2.046 | 0.0 |
| 93 | 4682 | 4683 | NS | 1 | 0.0 | 25.981 | 8.895 | 0.0 | 25.992 | 8.694 | 0.0 | 132.545 | 2.476 | 0.0 | 45.543 | 2.408 | 0.0 | 1.893 | 0.0 | 0.0 | 1.949 | 0.0 | 0.0 | 2.02 | 0.0 | 0.0 | 2.026 | 0.0 |
| 94 | 4682 | 4683 | NS | 1 | 0.0 | 27.233 | 15.34 | 0.0 | 32.671 | 15.386 | 0.0 | 353.575 | 11.396 | 0.0 | 36.531 | 12.023 | 0.0 | 1.908 | 0.0 | 0.0 | 1.937 | 0.0 | 0.0 | 2.03 | 0.0 | 0.0 | 2.044 | 0.0 |
| 95 | 4683 | 4684 | NS | 1 | 0.0 | 27.228 | 15.35 | 0.0 | 32.632 | 15.394 | 0.0 | 142.797 | 11.296 | 0.0 | 51.631 | 11.989 | 0.0 | 1.906 | 0.0 | 0.0 | 1.938 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.049 | 0.0 |
| 96 | 4683 | 4684 | NS | 1 | 0.0 | 27.233 | 15.296 | 0.0 | 32.632 | 15.445 | 0.0 | 142.091 | 11.272 | 0.0 | 49.034 | 12.031 | 0.0 | 1.905 | 0.0 | 0.0 | 1.963 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.031 | 0.0 |
| 97 | 4683 | 4684 | SN | 1 | 0.0 | 25.761 | 11.24 | 0.0 | 28.391 | 10.939 | 0.0 | 155.959 | 6.389 | 0.0 | 15.547 | 6.308 | 0.0 | 1.937 | 0.0 | 0.0 | 1.955 | 0.0 | 0.0 | 2.089 | 0.0 | 0.0 | 2.134 | 0.0 |
| 98 | 4683 | 4684 | SN | 1 | 0.0 | 33.454 | 16.112 | 0.0 | 28.573 | 13.69 | 0.0 | 152.054 | 15.335 | 0.0 | 21.955 | 14.929 | 0.0 | 1.921 | 0.0 | 0.0 | 1.963 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.126 | 0.0 |
| 99 | 4683 | 4684 | NS | 1 | 0.0 | 25.97 | 8.867 | 0.0 | 25.998 | 8.668 | 0.0 | 355.086 | 2.475 | 0.0 | 52.668 | 2.361 | 0.0 | 1.895 | 0.0 | 0.0 | 1.954 | 0.0 | 0.0 | 2.02 | 0.0 | 0.0 | 2.039 | 0.0 |
| 100 | 4683 | 4684 | SN | 1 | 0.0 | 33.448 | 16.097 | 0.0 | 28.573 | 13.815 | 0.0 | 152.054 | 15.219 | 0.0 | 53.33 | 15.075 | 0.0 | 1.921 | 0.0 | 0.0 | 1.963 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.133 | 0.0 |
| 101 | 4683 | 4684 | NS | 1 | 0.0 | 25.97 | 8.894 | 0.0 | 25.992 | 8.673 | 0.0 | 352.858 | 2.481 | 0.0 | 38.429 | 2.37 | 0.0 | 1.894 | 0.0 | 0.0 | 1.953 | 0.0 | 0.0 | 2.02 | 0.0 | 0.0 | 2.031 | 0.0 |
| 102 | 4683 | 4684 | SN | 1 | 0.0 | 33.454 | 16.118 | 0.0 | 28.573 | 13.82 | 0.0 | 152.054 | 15.202 | 0.0 | 140.42 | 15.107 | 0.0 | 1.921 | 0.0 | 0.0 | 1.963 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.126 | 0.0 |
| 103 | 4683 | 4684 | SN | 1 | 0.0 | 25.761 | 11.201 | 0.0 | 28.391 | 10.938 | 0.0 | 155.959 | 6.325 | 0.0 | 131.646 | 6.362 | 0.0 | 1.937 | 0.0 | 0.0 | 1.955 | 0.0 | 0.0 | 2.089 | 0.0 | 0.0 | 2.134 | 0.0 |
| 104 | 4683 | 4684 | SN | 1 | 0.0 | 25.761 | 11.207 | 0.0 | 28.391 | 10.932 | 0.0 | 155.959 | 6.33 | 0.0 | 58.156 | 6.356 | 0.0 | 1.937 | 0.0 | 0.0 | 1.955 | 0.0 | 0.0 | 2.089 | 0.0 | 0.0 | 2.134 | 0.0 |
| 105 | 4684 | 4685 | SN | 1 | 0.0 | 25.761 | 11.203 | 0.0 | 28.391 | 10.935 | 0.0 | 190.615 | 6.378 | 0.0 | 57.472 | 6.342 | 0.0 | 1.937 | 0.0 | 0.0 | 1.978 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.11 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 106 | 4684 | 4685 | NS | 1 | 0.0 | 25.97 | 8.87 | 0.0 | 25.998 | 8.669 | 0.0 | 164.835 | 2.503 | 0.0 | 33.851 | 2.385 | 0.0 | 1.893 | 0.0 | 0.0 | 1.958 | 0.0 | 0.0 | 2.02 | 0.0 | 0.0 | 2.049 | 0.0 |
| 107 | 4684 | 4685 | SN | 1 | 0.0 | 33.366 | 16.07 | 0.0 | 28.546 | 13.81 | 0.0 | 191.271 | 15.224 | 0.0 | 127.024 | 15.066 | 0.0 | 1.913 | 0.0 | 0.0 | 1.963 | 0.0 | 0.0 | 2.093 | 0.0 | 0.0 | 2.112 | 0.0 |
| 108 | 4684 | 4685 | SN | 1 | 0.0 | 33.366 | 16.12 | 0.0 | 27.228 | 13.618 | 0.0 | 191.271 | 15.464 | 0.0 | 16.749 | 14.733 | 0.0 | 1.913 | 0.0 | 0.0 | 1.963 | 0.0 | 0.0 | 2.093 | 0.0 | 0.0 | 2.112 | 0.0 |
| 109 | 4684 | 4685 | NS | 1 | 0.0 | 25.97 | 8.888 | 0.0 | 25.992 | 8.684 | 0.0 | 164.835 | 2.498 | 0.0 | 41.351 | 2.397 | 0.0 | 1.893 | 0.0 | 0.0 | 1.959 | 0.0 | 0.0 | 2.02 | 0.0 | 0.0 | 2.032 | 0.0 |
| 110 | 4684 | 4685 | NS | 1 | 0.0 | 27.228 | 15.284 | 0.0 | 32.55 | 15.465 | 0.0 | 355.4 | 11.333 | 0.0 | 50.804 | 12.104 | 0.0 | 1.905 | 0.0 | 0.0 | 1.967 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.033 | 0.0 |
| 111 | 4684 | 4685 | SN | 1 | 0.0 | 25.761 | 11.266 | 0.0 | 28.391 | 10.94 | 0.0 | 190.466 | 6.49 | 0.0 | 15.541 | 6.28 | 0.0 | 1.936 | 0.0 | 0.0 | 1.978 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.11 | 0.0 |
| 112 | 4684 | 4685 | SN | 1 | 0.0 | 25.761 | 11.195 | 0.0 | 28.391 | 10.919 | 0.0 | 190.466 | 6.365 | 0.0 | 81.23 | 6.336 | 0.0 | 1.936 | 0.0 | 0.0 | 1.978 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.11 | 0.0 |
| 113 | 4684 | 4685 | SN | 1 | 0.0 | 33.366 | 16.072 | 0.0 | 28.551 | 13.764 | 0.0 | 191.354 | 15.235 | 0.0 | 68.221 | 15.041 | 0.0 | 1.92 | 0.0 | 0.0 | 1.962 | 0.0 | 0.0 | 2.093 | 0.0 | 0.0 | 2.112 | 0.0 |
| 114 | 4684 | 4685 | NS | 1 | 0.0 | 27.228 | 15.251 | 0.0 | 32.467 | 15.412 | 0.0 | 355.4 | 11.281 | 0.0 | 38.175 | 12.115 | 0.0 | 1.905 | 0.0 | 0.0 | 1.948 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.033 | 0.0 |
| 115 | 4685 | 4686 | NS | 1 | 0.0 | 25.987 | 8.876 | 0.0 | 25.998 | 8.712 | 0.0 | 132.539 | 2.524 | 0.0 | 45.846 | 2.457 | 0.0 | 1.895 | 0.0 | 0.0 | 1.952 | 0.0 | 0.0 | 2.02 | 0.0 | 0.0 | 2.042 | 0.0 |
| 116 | 4685 | 4686 | SN | 1 | 0.0 | 33.388 | 16.239 | 0.0 | 27.156 | 13.462 | 0.0 | 183.269 | 15.656 | 0.0 | 15.641 | 14.645 | 0.0 | 1.923 | 0.0 | 0.0 | 1.96 | 0.0 | 0.0 | 2.09 | 0.0 | 0.0 | 2.135 | 0.0 |
| 117 | 4685 | 4686 | NS | 1 | 0.0 | 27.233 | 15.232 | 0.0 | 33.3 | 15.453 | 0.0 | 353.652 | 11.401 | 0.0 | 39.84 | 12.072 | 0.0 | 1.906 | 0.0 | 0.0 | 1.904 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.026 | 0.0 |
| 118 | 4685 | 4686 | NS | 1 | 0.0 | 27.233 | 15.232 | 0.0 | 33.3 | 15.453 | 0.0 | 353.652 | 11.401 | 0.0 | 39.84 | 12.072 | 0.0 | 1.906 | 0.0 | 0.0 | 1.904 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.026 | 0.0 |
| 119 | 4685 | 4686 | SN | 1 | 0.0 | 25.755 | 11.183 | 0.0 | 28.386 | 10.937 | 0.0 | 172.338 | 6.355 | 0.0 | 36.989 | 6.328 | 0.0 | 1.935 | 0.0 | 0.0 | 1.977 | 0.0 | 0.0 | 2.087 | 0.0 | 0.0 | 2.128 | 0.0 |
| 120 | 4685 | 4686 | SN | 1 | 0.0 | 33.388 | 16.102 | 0.0 | 27.9 | 13.842 | 0.0 | 183.269 | 15.282 | 0.0 | 55.106 | 15.12 | 0.0 | 1.923 | 0.0 | 0.0 | 1.96 | 0.0 | 0.0 | 2.09 | 0.0 | 0.0 | 2.135 | 0.0 |
| 121 | 4685 | 4686 | SN | 1 | 0.0 | 33.388 | 16.131 | 0.0 | 27.9 | 13.878 | 0.0 | 183.269 | 15.272 | 0.0 | 151.362 | 15.146 | 0.0 | 1.923 | 0.0 | 0.0 | 1.96 | 0.0 | 0.0 | 2.09 | 0.0 | 0.0 | 2.135 | 0.0 |
| 122 | 4685 | 4686 | SN | 1 | 0.0 | 25.755 | 11.181 | 0.0 | 28.386 | 10.937 | 0.0 | 172.338 | 6.351 | 0.0 | 91.146 | 6.334 | 0.0 | 1.935 | 0.0 | 0.0 | 1.977 | 0.0 | 0.0 | 2.087 | 0.0 | 0.0 | 2.128 | 0.0 |
| 123 | 4685 | 4686 | SN | 1 | 0.0 | 25.755 | 11.308 | 0.0 | 28.386 | 10.98 | 0.0 | 172.338 | 6.553 | 0.0 | 15.547 | 6.29 | 0.0 | 1.935 | 0.0 | 0.0 | 1.977 | 0.0 | 0.0 | 2.087 | 0.0 | 0.0 | 2.128 | 0.0 |
| 124 | 4685 | 4686 | NS | 1 | 0.0 | 25.987 | 8.876 | 0.0 | 25.998 | 8.712 | 0.0 | 132.539 | 2.524 | 0.0 | 45.846 | 2.457 | 0.0 | 1.895 | 0.0 | 0.0 | 1.952 | 0.0 | 0.0 | 2.02 | 0.0 | 0.0 | 2.042 | 0.0 |
| 125 | 4686 | 4687 | SN | 1 | 0.0 | 37.734 | 16.127 | 0.0 | 28.507 | 13.848 | 0.0 | 173.127 | 15.28 | 0.0 | 47.992 | 15.196 | 0.0 | 1.918 | 0.0 | 0.0 | 1.961 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.118 | 0.0 |
| 126 | 4686 | 4687 | NS | 1 | 0.0 | 25.976 | 8.844 | 0.0 | 26.031 | 8.745 | 0.0 | 352.968 | 2.482 | 0.0 | 38.809 | 2.502 | 0.0 | 1.896 | 0.0 | 0.0 | 1.966 | 0.0 | 0.0 | 2.02 | 0.0 | 0.0 | 2.055 | 0.0 |
| 127 | 4686 | 4687 | NS | 1 | 0.0 | 25.976 | 8.846 | 0.0 | 26.031 | 8.749 | 0.0 | 352.963 | 2.478 | 0.0 | 38.809 | 2.503 | 0.0 | 1.896 | 0.0 | 0.0 | 1.966 | 0.0 | 0.0 | 2.02 | 0.0 | 0.0 | 2.055 | 0.0 |
| 128 | 4686 | 4687 | SN | 1 | 0.0 | 25.761 | 11.368 | 0.0 | 28.391 | 10.929 | 0.0 | 157.1 | 6.652 | 0.0 | 15.53 | 6.296 | 0.0 | 1.936 | 0.0 | 0.0 | 1.978 | 0.0 | 0.0 | 2.088 | 0.0 | 0.0 | 2.109 | 0.0 |
| 129 | 4686 | 4687 | SN | 1 | 0.0 | 25.761 | 11.16 | 0.0 | 28.391 | 10.851 | 0.0 | 157.1 | 6.329 | 0.0 | 133.096 | 6.29 | 0.0 | 1.936 | 0.0 | 0.0 | 1.978 | 0.0 | 0.0 | 2.088 | 0.0 | 0.0 | 2.109 | 0.0 |
| 130 | 4686 | 4687 | SN | 1 | 0.0 | 37.734 | 16.297 | 0.0 | 27.068 | 13.431 | 0.0 | 173.127 | 15.839 | 0.0 | 15.646 | 14.588 | 0.0 | 1.918 | 0.0 | 0.0 | 1.961 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.118 | 0.0 |
| 131 | 4686 | 4687 | SN | 1 | 0.0 | 25.761 | 11.164 | 0.0 | 28.391 | 10.849 | 0.0 | 157.1 | 6.333 | 0.0 | 56.512 | 6.278 | 0.0 | 1.936 | 0.0 | 0.0 | 1.978 | 0.0 | 0.0 | 2.088 | 0.0 | 0.0 | 2.109 | 0.0 |
| 132 | 4686 | 4687 | NS | 1 | 0.0 | 27.228 | 15.267 | 0.0 | 33.272 | 15.389 | 0.0 | 136.212 | 11.352 | 0.0 | 52.299 | 12.238 | 0.0 | 1.905 | 0.0 | 0.0 | 1.971 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.055 | 0.0 |
| 133 | 4686 | 4687 | NS | 1 | 0.0 | 27.228 | 15.298 | 0.0 | 33.266 | 15.389 | 0.0 | 136.201 | 11.331 | 0.0 | 52.304 | 12.259 | 0.0 | 1.905 | 0.0 | 0.0 | 1.971 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.055 | 0.0 |
| 134 | 4686 | 4687 | SN | 1 | 0.0 | 37.734 | 16.126 | 0.0 | 28.507 | 13.864 | 0.0 | 173.127 | 15.265 | 0.0 | 142.042 | 15.228 | 0.0 | 1.918 | 0.0 | 0.0 | 1.961 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.118 | 0.0 |
| 135 | 4687 | 4688 | SN | 1 | 0.0 | 25.761 | 11.083 | 0.0 | 28.408 | 10.803 | 0.0 | 163.42 | 6.248 | 0.0 | 135.164 | 6.226 | 0.0 | 1.935 | 0.0 | 0.0 | 1.978 | 0.0 | 0.0 | 2.087 | 0.0 | 0.0 | 2.111 | 0.0 |
| 136 | 4687 | 4688 | SN | 1 | 0.0 | 25.761 | 11.398 | 0.0 | 28.408 | 10.936 | 0.0 | 163.42 | 6.731 | 0.0 | 15.536 | 6.319 | 0.0 | 1.935 | 0.0 | 0.0 | 1.978 | 0.0 | 0.0 | 2.087 | 0.0 | 0.0 | 2.111 | 0.0 |
| 137 | 4687 | 4688 | SN | 1 | 0.0 | 25.761 | 11.083 | 0.0 | 28.408 | 10.8 | 0.0 | 163.42 | 6.25 | 0.0 | 135.164 | 6.225 | 0.0 | 1.935 | 0.0 | 0.0 | 1.978 | 0.0 | 0.0 | 2.087 | 0.0 | 0.0 | 2.111 | 0.0 |
| 138 | 4687 | 4688 | NS | 1 | 0.0 | 25.976 | 8.824 | 0.0 | 26.047 | 8.803 | 0.0 | 141.253 | 2.472 | 0.0 | 38.644 | 2.582 | 0.0 | 1.893 | 0.0 | 0.0 | 1.961 | 0.0 | 0.0 | 2.021 | 0.0 | 0.0 | 2.033 | 0.0 |
| 139 | 4687 | 4688 | NS | 1 | 0.0 | 25.976 | 8.822 | 0.0 | 26.047 | 8.79 | 0.0 | 141.402 | 2.474 | 0.0 | 38.622 | 2.577 | 0.0 | 1.893 | 0.0 | 0.0 | 1.961 | 0.0 | 0.0 | 2.021 | 0.0 | 0.0 | 2.033 | 0.0 |
| 140 | 4687 | 4688 | SN | 1 | 0.0 | 33.316 | 16.323 | 0.0 | 26.963 | 13.224 | 0.0 | 158.264 | 15.97 | 0.0 | 15.641 | 14.44 | 0.0 | 1.911 | 0.0 | 0.0 | 1.961 | 0.0 | 0.0 | 2.089 | 0.0 | 0.0 | 2.101 | 0.0 |
| 141 | 4687 | 4688 | SN | 1 | 0.0 | 33.316 | 15.994 | 0.0 | 28.595 | 13.774 | 0.0 | 158.264 | 15.214 | 0.0 | 68.844 | 15.098 | 0.0 | 1.911 | 0.0 | 0.0 | 1.961 | 0.0 | 0.0 | 2.089 | 0.0 | 0.0 | 2.101 | 0.0 |
| 142 | 4687 | 4688 | SN | 1 | 0.0 | 33.316 | 15.994 | 0.0 | 28.595 | 13.764 | 0.0 | 158.264 | 15.214 | 0.0 | 68.844 | 15.091 | 0.0 | 1.911 | 0.0 | 0.0 | 1.961 | 0.0 | 0.0 | 2.089 | 0.0 | 0.0 | 2.101 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 143 | 4687 | 4688 | NS | 1 | 0.0 | 27.222 | 15.271 | 0.0 | 32.483 | 15.428 | 0.0 | 140.122 | 11.37 | 0.0 | 50.981 | 12.268 | 0.0 | 1.904 | 0.0 | 0.0 | 1.92 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.057 | 0.0 |
| 144 | 4687 | 4688 | NS | 1 | 0.0 | 27.222 | 15.281 | 0.0 | 32.483 | 15.428 | 0.0 | 140.271 | 11.391 | 0.0 | 50.953 | 12.269 | 0.0 | 1.905 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.056 | 0.0 |
| 145 | 4688 | 4689 | SN | 1 | 0.0 | 33.895 | 15.983 | 0.0 | 27.933 | 13.896 | 0.0 | 159.058 | 15.124 | 0.0 | 55.508 | 14.98 | 0.0 | 1.927 | 0.0 | 0.0 | 1.963 | 0.0 | 0.0 | 2.09 | 0.0 | 0.0 | 2.11 | 0.0 |
| 146 | 4688 | 4689 | SN | 1 | 0.0 | 33.471 | 15.981 | 0.0 | 27.933 | 13.857 | 0.0 | 158.964 | 15.138 | 0.0 | 55.497 | 14.973 | 0.0 | 1.927 | 0.0 | 0.0 | 1.963 | 0.0 | 0.0 | 2.09 | 0.0 | 0.0 | 2.111 | 0.0 |
| 147 | 4688 | 4689 | NS | 1 | 0.0 | 26.02 | 8.783 | 0.0 | 25.987 | 8.867 | 0.0 | 136.538 | 2.468 | 0.0 | 24.277 | 2.581 | 0.0 | 1.895 | 0.0 | 0.0 | 1.893 | 0.0 | 0.0 | 2.016 | 0.0 | 0.0 | 2.014 | 0.0 |
| 148 | 4688 | 4689 | NS | 1 | 0.0 | 25.981 | 8.822 | 0.0 | 26.042 | 8.786 | 0.0 | 136.598 | 2.468 | 0.0 | 24.305 | 2.592 | 0.0 | 1.895 | 0.0 | 0.0 | 1.96 | 0.0 | 0.0 | 2.02 | 0.0 | 0.0 | 2.037 | 0.0 |
| 149 | 4688 | 4689 | NS | 1 | 0.0 | 25.981 | 8.822 | 0.0 | 26.042 | 8.786 | 0.0 | 136.598 | 2.468 | 0.0 | 24.305 | 2.592 | 0.0 | 1.895 | 0.0 | 0.0 | 1.96 | 0.0 | 0.0 | 2.02 | 0.0 | 0.0 | 2.037 | 0.0 |
| 150 | 4688 | 4689 | SN | 1 | 0.0 | 25.761 | 11.018 | 0.0 | 28.397 | 10.809 | 0.0 | 152.39 | 6.238 | 0.0 | 132.975 | 6.205 | 0.0 | 1.937 | 0.0 | 0.0 | 1.981 | 0.0 | 0.0 | 2.087 | 0.0 | 0.0 | 2.11 | 0.0 |
| 151 | 4688 | 4689 | SN | 1 | 0.0 | 25.761 | 11.013 | 0.0 | 28.397 | 10.8 | 0.0 | 152.512 | 6.235 | 0.0 | 133.025 | 6.209 | 0.0 | 1.937 | 0.0 | 0.0 | 1.981 | 0.0 | 0.0 | 2.087 | 0.0 | 0.0 | 2.135 | 0.0 |
| 152 | 4688 | 4689 | NS | 1 | 0.0 | 27.239 | 15.24 | 0.0 | 32.61 | 15.515 | 0.0 | 141.308 | 11.347 | 0.0 | 40.232 | 12.336 | 0.0 | 1.904 | 0.0 | 0.0 | 1.966 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.034 | 0.0 |
| 153 | 4688 | 4689 | NS | 1 | 0.0 | 27.239 | 15.24 | 0.0 | 32.61 | 15.515 | 0.0 | 141.308 | 11.347 | 0.0 | 40.232 | 12.336 | 0.0 | 1.904 | 0.0 | 0.0 | 1.966 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.034 | 0.0 |
| 154 | 4688 | 4689 | NS | 1 | 0.0 | 27.592 | 15.21 | 0.0 | 33.272 | 15.536 | 0.0 | 139.67 | 11.311 | 0.0 | 40.243 | 12.422 | 0.0 | 1.9 | 0.0 | 0.0 | 1.904 | 0.0 | 0.0 | 2.023 | 0.0 | 0.0 | 2.021 | 0.0 |
| 155 | 4689 | 4690 | SN | 1 | 0.0 | 25.761 | 11.041 | 0.0 | 28.391 | 10.791 | 0.0 | 162.02 | 6.254 | 0.0 | 133.207 | 6.221 | 0.0 | 1.935 | 0.0 | 0.0 | 1.982 | 0.0 | 0.0 | 2.088 | 0.0 | 0.0 | 2.127 | 0.0 |
| 156 | 4689 | 4690 | NS | 1 | 0.0 | 25.981 | 8.786 | 0.0 | 26.036 | 8.811 | 0.0 | 352.985 | 2.451 | 0.0 | 38.059 | 2.594 | 0.0 | 1.894 | 0.0 | 0.0 | 1.961 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.042 | 0.0 |
| 157 | 4689 | 4690 | SN | 1 | 0.0 | 33.382 | 15.998 | 0.0 | 28.419 | 13.842 | 0.0 | 168.798 | 15.166 | 0.0 | 50.402 | 15.09 | 0.0 | 1.915 | 0.0 | 0.0 | 1.964 | 0.0 | 0.0 | 2.091 | 0.0 | 0.0 | 2.116 | 0.0 |
| 158 | 4689 | 4690 | NS | 1 | 0.0 | 25.981 | 8.786 | 0.0 | 26.036 | 8.811 | 0.0 | 352.985 | 2.451 | 0.0 | 38.059 | 2.594 | 0.0 | 1.894 | 0.0 | 0.0 | 1.961 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.042 | 0.0 |
| 159 | 4689 | 4690 | NS | 1 | 0.0 | 28.358 | 15.286 | 0.0 | 32.599 | 15.484 | 0.0 | 137.481 | 11.309 | 0.0 | 52.442 | 12.431 | 0.0 | 1.907 | 0.0 | 0.0 | 1.939 | 0.0 | 0.0 | 2.031 | 0.0 | 0.0 | 2.034 | 0.0 |
| 160 | 4689 | 4690 | NS | 1 | 0.0 | 28.358 | 15.286 | 0.0 | 32.599 | 15.484 | 0.0 | 137.481 | 11.309 | 0.0 | 52.442 | 12.431 | 0.0 | 1.907 | 0.0 | 0.0 | 1.939 | 0.0 | 0.0 | 2.031 | 0.0 | 0.0 | 2.034 | 0.0 |
| 161 | 4690 | 4691 | NS | 1 | 0.0 | 25.97 | 8.801 | 0.0 | 26.036 | 8.824 | 0.0 | 126.363 | 2.493 | 0.0 | 34.033 | 2.617 | 0.0 | 1.894 | 0.0 | 0.0 | 1.965 | 0.0 | 0.0 | 2.033 | 0.0 | 0.0 | 2.067 | 0.0 |
| 162 | 4690 | 4691 | NS | 1 | 0.0 | 27.707 | 15.31 | 0.0 | 33.289 | 15.46 | 0.0 | 355.4 | 11.42 | 0.0 | 38.291 | 12.37 | 0.0 | 1.904 | 0.0 | 0.0 | 1.969 | 0.0 | 0.0 | 2.037 | 0.0 | 0.0 | 2.059 | 0.0 |
| 163 | 4691 | 4692 | SN | 1 | 0.0 | 33.978 | 15.989 | 0.0 | 28.573 | 13.805 | 0.0 | 167.849 | 15.234 | 0.0 | 50.997 | 15.017 | 0.0 | 1.906 | 0.0 | 0.0 | 1.976 | 0.0 | 0.0 | 2.092 | 0.0 | 0.0 | 2.116 | 0.0 |
| 164 | 4691 | 4692 | SN | 1 | 0.0 | 25.755 | 11.068 | 0.0 | 28.386 | 10.775 | 0.0 | 168.709 | 6.266 | 0.0 | 77.017 | 6.135 | 0.0 | 1.935 | 0.0 | 0.0 | 1.979 | 0.0 | 0.0 | 2.09 | 0.0 | 0.0 | 2.116 | 0.0 |
| 165 | 4692 | 4693 | NS | 1 | 0.0 | 25.976 | 8.818 | 0.0 | 26.031 | 8.799 | 0.0 | 320.132 | 2.565 | 0.0 | 11.708 | 2.567 | 0.0 | 1.893 | 0.0 | 0.0 | 1.957 | 0.0 | 0.0 | 2.023 | 0.0 | 0.0 | 2.045 | 0.0 |
| 166 | 4692 | 4693 | NS | 1 | 0.0 | 27.239 | 15.319 | 0.0 | 33.311 | 15.453 | 0.0 | 330.092 | 11.489 | 0.0 | 37.077 | 12.52 | 0.0 | 1.906 | 0.0 | 0.0 | 1.969 | 0.0 | 0.0 | 2.033 | 0.0 | 0.0 | 2.04 | 0.0 |
| 167 | 4692 | 4693 | SN | 1 | 0.0 | 33.322 | 15.981 | 0.0 | 27.895 | 13.862 | 0.0 | 175.984 | 15.081 | 0.0 | 50.545 | 15.041 | 0.0 | 1.928 | 0.0 | 0.0 | 1.95 | 0.0 | 0.0 | 2.092 | 0.0 | 0.0 | 2.12 | 0.0 |
| 168 | 4692 | 4693 | NS | 1 | 0.0 | 25.976 | 8.778 | 0.0 | 26.031 | 8.875 | 0.0 | 320.132 | 2.491 | 0.0 | 22.97 | 2.672 | 0.0 | 1.893 | 0.0 | 0.0 | 1.957 | 0.0 | 0.0 | 2.023 | 0.0 | 0.0 | 2.045 | 0.0 |
| 169 | 4692 | 4693 | SN | 1 | 0.0 | 25.755 | 11.054 | 0.0 | 28.397 | 10.765 | 0.0 | 168.053 | 6.244 | 0.0 | 132.953 | 6.211 | 0.0 | 1.935 | 0.0 | 0.0 | 1.979 | 0.0 | 0.0 | 2.087 | 0.0 | 0.0 | 2.128 | 0.0 |
| 170 | 4692 | 4693 | NS | 1 | 0.0 | 27.239 | 15.454 | 0.0 | 30.134 | 14.973 | 0.0 | 330.092 | 11.783 | 0.0 | 13.892 | 11.903 | 0.0 | 1.906 | 0.0 | 0.0 | 1.969 | 0.0 | 0.0 | 2.033 | 0.0 | 0.0 | 2.04 | 0.0 |
| 171 | 4693 | 4694 | NS | 1 | 0.0 | 26.003 | 8.866 | 0.0 | 26.009 | 8.873 | 0.0 | 354.231 | 2.697 | 0.0 | 11.692 | 2.631 | 0.0 | 1.895 | 0.0 | 0.0 | 1.968 | 0.0 | 0.0 | 2.034 | 0.0 | 0.0 | 2.071 | 0.0 |
| 172 | 4693 | 4694 | NS | 1 | 0.0 | 27.233 | 15.696 | 0.0 | 30.145 | 14.779 | 0.0 | 355.731 | 12.163 | 0.0 | 13.098 | 11.8 | 0.0 | 1.907 | 0.0 | 0.0 | 1.978 | 0.0 | 0.0 | 2.035 | 0.0 | 0.0 | 2.061 | 0.0 |

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