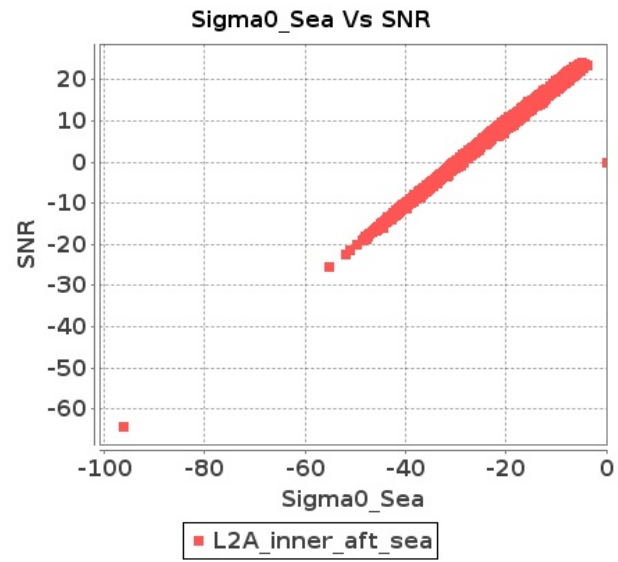


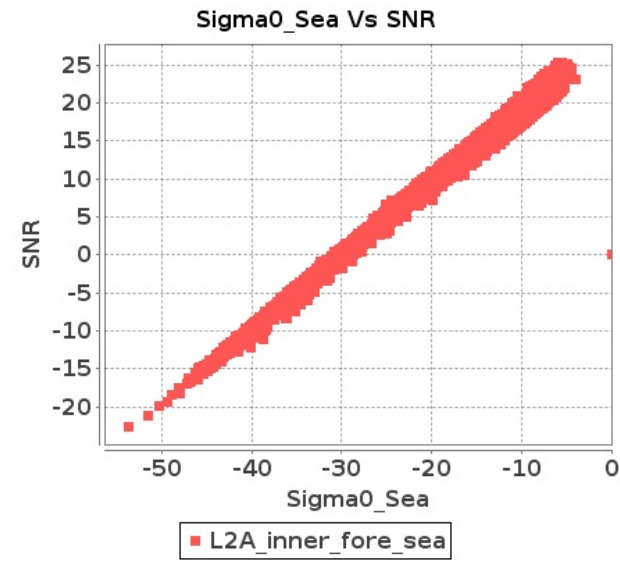
SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 18-SEP-2019 To 19-SEP-2019

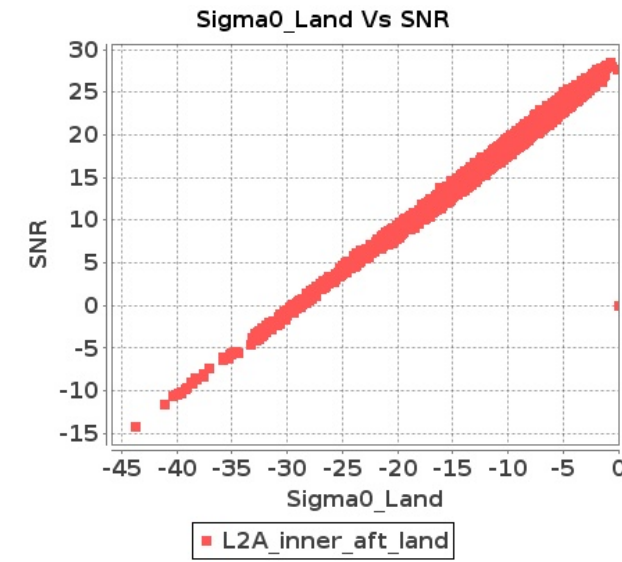
Inner Sea Aft Sigma0VsSNR



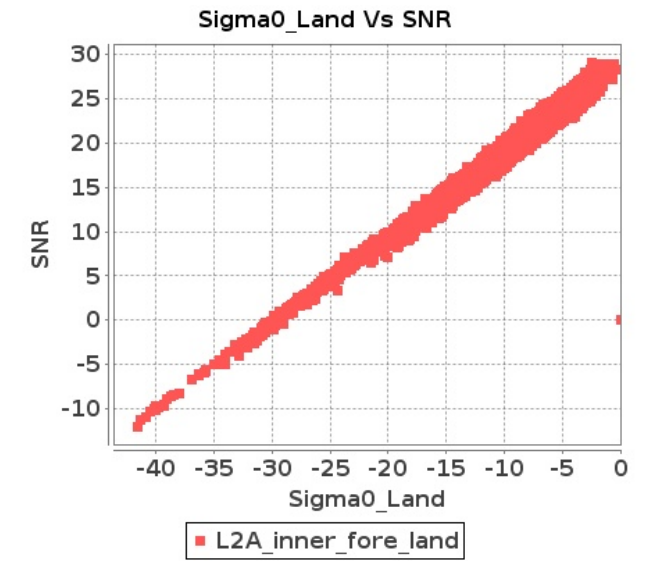
Inner Sea Fore Sigma0VsSNR



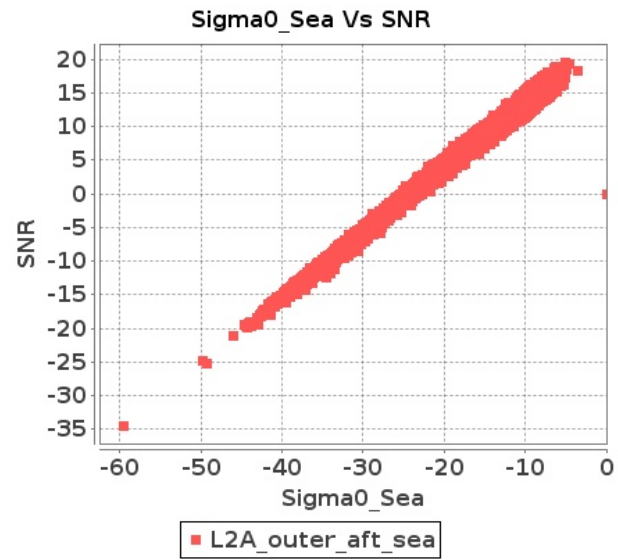
Inner Land Aft Sigma0VsSNR



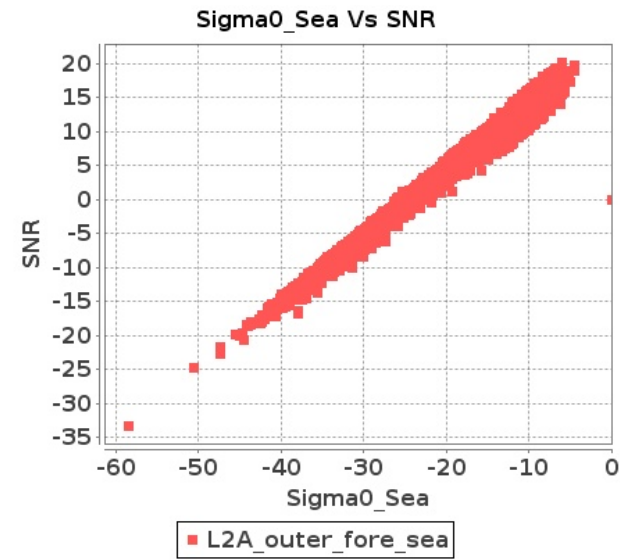
Inner Land Fore Sigma0VsSNR



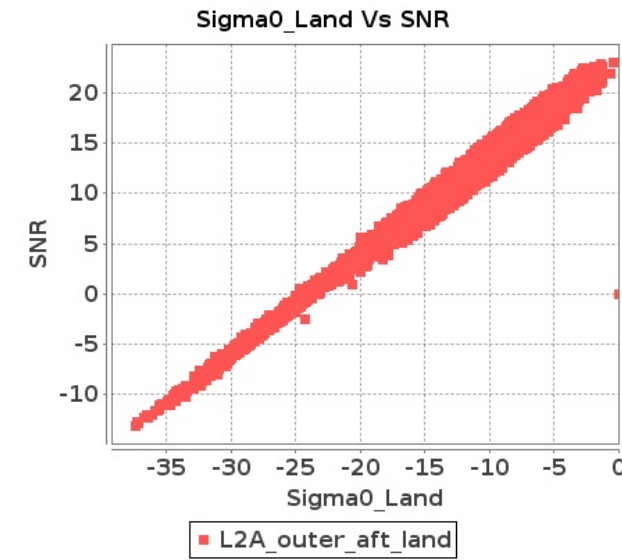
Outer Sea Aft Sigma0VsSNR



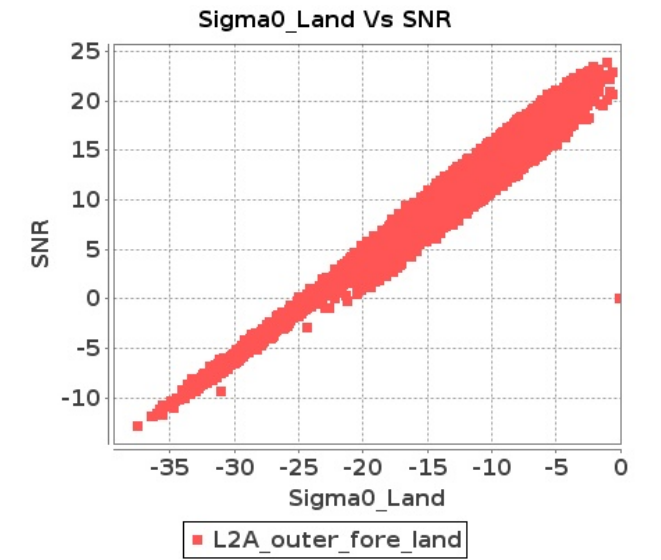
Outer Sea Fore Sigma0VsSNR



Outer Land Aft Sigma0VsSNR



Outer Land Fore Sigma0VsSNR



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

Report between 18-SEP-2019 To 19-SEP-2019

| Sr No | Start Orbit | End Orbit | Dir. | Ver. | SNR | | | | | | | | | | | | Sigma0 | | | | | | | | | | | |
|-------|-------------|-----------|------|------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|
| | | | | | Inner Aft | | | Inner Fore | | | Outer Aft | | | Outer Fore | | | Inner Aft | | | Inner Fore | | | Outer Aft | | | Outer Fore | | |
| | | | | | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) |
| 1 | 15758 | 15759 | SN | 1 | 0.0 | 49.752 | 4.775 | 0.0 | 56.181 | 5.949 | 0.0 | 43.407 | 4.22 | 0.0 | 46.967 | 5.231 | 0.0 | 50.836 | 4.923 | 0.0 | 56.449 | 5.736 | 0.0 | 43.602 | 4.063 | 0.0 | 47.077 | 4.744 |
| 2 | 15758 | 15759 | SN | 1 | 0.0 | 48.675 | 1.26 | 0.0 | 46.794 | 1.681 | 0.0 | 40.064 | 1.055 | 0.0 | 47.165 | 1.495 | 0.0 | 47.948 | 1.25 | 0.0 | 46.922 | 1.524 | 0.0 | 39.647 | 0.999 | 0.0 | 42.743 | 1.315 |
| 3 | 15758 | 15759 | SN | 1 | 0.0 | 50.53 | 4.827 | 0.0 | 52.316 | 5.733 | 0.0 | 47.53 | 4.341 | 0.0 | 48.248 | 4.962 | 0.0 | 51.609 | 4.908 | 0.0 | 53.965 | 5.479 | 0.0 | 45.725 | 4.171 | 0.0 | 47.064 | 4.435 |
| 4 | 15758 | 15759 | SN | 1 | 0.0 | 48.675 | 1.235 | 0.0 | 46.794 | 1.591 | 0.0 | 40.064 | 1.033 | 0.0 | 47.165 | 1.417 | 0.0 | 47.948 | 1.224 | 0.0 | 46.922 | 1.435 | 0.0 | 39.647 | 0.982 | 0.0 | 42.151 | 1.243 |
| 5 | 15758 | 15759 | SN | 1 | 0.0 | 48.758 | 1.244 | 0.0 | 48.681 | 1.591 | 0.0 | 41.469 | 1.042 | 0.0 | 42.352 | 1.442 | 0.0 | 48.032 | 1.244 | 0.0 | 48.163 | 1.444 | 0.0 | 40.141 | 0.994 | 0.0 | 41.812 | 1.253 |
| 6 | 15758 | 15759 | SN | 1 | 0.0 | 49.752 | 4.807 | 0.0 | 49.549 | 5.703 | 0.0 | 43.407 | 4.284 | 0.0 | 46.967 | 4.983 | 0.0 | 50.836 | 4.939 | 0.0 | 51.067 | 5.5 | 0.0 | 44.861 | 4.128 | 0.0 | 47.077 | 4.464 |
| 7 | 15759 | 15760 | NS | 1 | 0.0 | 51.786 | 0.726 | 0.0 | 53.828 | 1.165 | 0.0 | 39.685 | 0.63 | 0.0 | 48.658 | 1.089 | 0.0 | 49.721 | 0.701 | 0.0 | 54.761 | 1.107 | 0.0 | 40.398 | 0.563 | 0.0 | 45.626 | 0.936 |
| 8 | 15759 | 15760 | SN | 1 | 0.0 | 43.407 | 1.113 | 0.0 | 47.205 | 1.385 | 0.0 | 40.169 | 1.145 | 0.0 | 42.922 | 1.481 | 0.0 | 44.099 | 1.073 | 0.0 | 46.318 | 1.279 | 0.0 | 39.626 | 1.12 | 0.0 | 41.498 | 1.214 |
| 9 | 15759 | 15760 | SN | 1 | 0.0 | 47.873 | 3.37 | 0.0 | 49.717 | 4.323 | 0.0 | 47.038 | 3.993 | 0.0 | 48.16 | 4.456 | 0.0 | 47.071 | 3.4 | 0.0 | 50.351 | 4.018 | 0.0 | 49.008 | 3.866 | 0.0 | 46.77 | 4.065 |
| 10 | 15759 | 15760 | SN | 1 | 0.0 | 43.895 | 1.136 | 0.0 | 47.205 | 1.398 | 0.0 | 44.436 | 1.161 | 0.0 | 42.922 | 1.493 | 0.0 | 44.586 | 1.111 | 0.0 | 47.257 | 1.295 | 0.0 | 43.514 | 1.142 | 0.0 | 40.194 | 1.239 |
| 11 | 15759 | 15760 | SN | 1 | 0.0 | 43.895 | 1.12 | 0.0 | 47.205 | 1.383 | 0.0 | 44.436 | 1.147 | 0.0 | 42.922 | 1.472 | 0.0 | 44.586 | 1.095 | 0.0 | 47.257 | 1.279 | 0.0 | 43.514 | 1.124 | 0.0 | 40.194 | 1.22 |
| 12 | 15759 | 15760 | NS | 1 | 0.0 | 49.287 | 2.629 | 0.0 | 48.633 | 4.189 | 0.0 | 44.543 | 2.369 | 0.0 | 42.57 | 3.638 | 0.0 | 50.27 | 2.72 | 0.0 | 48.826 | 3.884 | 0.0 | 43.977 | 2.22 | 0.0 | 44.225 | 3.261 |
| 13 | 15759 | 15760 | SN | 1 | 0.0 | 47.873 | 3.418 | 0.0 | 49.717 | 4.378 | 0.0 | 47.038 | 4.037 | 0.0 | 48.16 | 4.507 | 0.0 | 47.071 | 3.449 | 0.0 | 50.351 | 4.06 | 0.0 | 49.008 | 3.907 | 0.0 | 46.77 | 4.118 |
| 14 | 15759 | 15760 | SN | 1 | 0.0 | 47.395 | 3.37 | 0.0 | 46.589 | 4.323 | 0.0 | 45.343 | 3.994 | 0.0 | 47.965 | 4.449 | 0.0 | 46.59 | 3.36 | 0.0 | 47.223 | 3.988 | 0.0 | 44.885 | 3.873 | 0.0 | 46.584 | 4.065 |
| 15 | 15760 | 15761 | NS | 1 | 0.0 | 40.691 | 0.69 | 0.0 | 48.477 | 1.224 | 0.0 | 37.198 | 0.746 | 0.0 | 46.577 | 1.356 | 0.0 | 39.733 | 0.69 | 0.0 | 50.336 | 1.138 | 0.0 | 36.903 | 0.686 | 0.0 | 43.584 | 1.166 |
| 16 | 15760 | 15761 | NS | 1 | 0.0 | 40.691 | 0.692 | 0.0 | 48.477 | 1.215 | 0.0 | 36.846 | 0.746 | 0.0 | 46.579 | 1.349 | 0.0 | 39.733 | 0.688 | 0.0 | 50.524 | 1.14 | 0.0 | 36.855 | 0.688 | 0.0 | 43.586 | 1.161 |
| 17 | 15760 | 15761 | SN | 1 | 0.0 | 50.191 | 3.041 | 0.0 | 46.719 | 3.452 | 0.0 | 41.194 | 2.936 | 0.0 | 45.35 | 4.218 | 0.0 | 51.1 | 3.123 | 0.0 | 46.99 | 3.154 | 0.0 | 41.985 | 2.756 | 0.0 | 41.287 | 3.85 |
| 18 | 15760 | 15761 | SN | 1 | 0.0 | 42.979 | 0.762 | 0.0 | 42.872 | 1.132 | 0.0 | 41.076 | 0.895 | 0.0 | 38.856 | 1.484 | 0.0 | 43.453 | 0.775 | 0.0 | 44.875 | 1.03 | 0.0 | 41.981 | 0.833 | 0.0 | 35.787 | 1.228 |
| 19 | 15760 | 15761 | SN | 1 | 0.0 | 42.979 | 0.771 | 0.0 | 42.872 | 1.109 | 0.0 | 41.076 | 0.904 | 0.0 | 38.856 | 1.476 | 0.0 | 43.453 | 0.784 | 0.0 | 44.875 | 1.003 | 0.0 | 41.981 | 0.845 | 0.0 | 35.787 | 1.212 |
| 20 | 15760 | 15761 | NS | 1 | 0.0 | 54.023 | 2.172 | 0.0 | 52.488 | 3.193 | 0.0 | 42.426 | 2.584 | 0.0 | 45.414 | 3.88 | 0.0 | 53.457 | 2.213 | 0.0 | 53.663 | 3.011 | 0.0 | 41.003 | 2.463 | 0.0 | 43.942 | 3.318 |
| 21 | 15760 | 15761 | NS | 1 | 0.0 | 54.023 | 2.183 | 0.0 | 52.671 | 3.183 | 0.0 | 42.426 | 2.598 | 0.0 | 45.644 | 3.909 | 0.0 | 53.457 | 2.223 | 0.0 | 53.842 | 3.031 | 0.0 | 41.003 | 2.477 | 0.0 | 43.974 | 3.339 |
| 22 | 15760 | 15761 | SN | 1 | 0.0 | 50.191 | 3.046 | 0.0 | 48.141 | 3.52 | 0.0 | 41.194 | 2.908 | 0.0 | 45.35 | 4.235 | 0.0 | 51.1 | 3.127 | 0.0 | 46.99 | 3.216 | 0.0 | 41.985 | 2.723 | 0.0 | 41.287 | 3.886 |
| 23 | 15761 | 15762 | SN | 1 | 0.0 | 42.227 | 2.823 | 0.0 | 39.687 | 4.048 | 0.0 | 41.797 | 3.269 | 0.0 | 40.38 | 4.74 | 0.0 | 43.403 | 2.722 | 0.0 | 38.937 | 3.52 | 0.0 | 39.526 | 3.007 | 0.0 | 36.549 | 3.815 |
| 24 | 15761 | 15762 | SN | 1 | 0.0 | 46.41 | 2.823 | 0.0 | 39.834 | 3.842 | 0.0 | 40.349 | 3.308 | 0.0 | 43.107 | 4.667 | 0.0 | 46.579 | 2.751 | 0.0 | 38.937 | 3.336 | 0.0 | 38.081 | 3.011 | 0.0 | 39.277 | 3.682 |
| 25 | 15761 | 15762 | NS | 1 | 0.0 | 39.107 | 1.199 | 0.0 | 47.12 | 1.544 | 0.0 | 40.881 | 1.132 | 0.0 | 46.628 | 1.468 | 0.0 | 40.486 | 1.158 | 0.0 | 46.935 | 1.452 | 0.0 | 42.409 | 1.027 | 0.0 | 45.327 | 1.306 |
| 26 | 15761 | 15762 | NS | 1 | 0.0 | 47.702 | 4.183 | 0.0 | 53.249 | 4.825 | 0.0 | 47.409 | 3.943 | 0.0 | 44.243 | 4.592 | 0.0 | 49.587 | 4.162 | 0.0 | 50.975 | 4.389 | 0.0 | 48.113 | 3.744 | 0.0 | 44.938 | 4.008 |
| 27 | 15761 | 15762 | SN | 1 | 0.0 | 42.932 | 0.787 | 0.0 | 39.349 | 1.164 | 0.0 | 37.849 | 1.24 | 0.0 | 45.162 | 1.798 | 0.0 | 43.571 | 0.759 | 0.0 | 37.908 | 0.964 | 0.0 | 39.217 | 1.07 | 0.0 | 40.418 | 1.363 |
| 28 | 15761 | 15762 | SN | 1 | 0.0 | 44.982 | 0.82 | 0.0 | 39.349 | 1.204 | 0.0 | 36.69 | 1.252 | 0.0 | 45.162 | 1.832 | 0.0 | 43.011 | 0.8 | 0.0 | 37.908 | 0.999 | 0.0 | 35.358 | 1.053 | 0.0 | 40.418 | 1.406 |
| 29 | 15762 | 15763 | SN | 1 | 0.0 | 45.172 | 1.612 | 0.0 | 43.35 | 2.031 | 0.0 | 43.551 | 1.74 | 0.0 | 35.691 | 2.455 | 0.0 | 43.778 | 1.689 | 0.0 | 43.704 | 2.05 | 0.0 | 40.233 | 1.856 | 0.0 | 38.133 | 2.587 |
| 30 | 15762 | 15763 | NS | 1 | 0.0 | 53.56 | 3.35 | 0.0 | 48.384 | 4.149 | 0.0 | 45.695 | 2.675 | 0.0 | 49.342 | 2.984 | 0.0 | 54.565 | 3.563 | 0.0 | 51.871 | 3.896 | 0.0 | 44.679 | 2.583 | 0.0 | 49.922 | 2.542 |
| 31 | 15762 | 15763 | SN | 1 | 0.0 | 40.604 | 5.502 | 0.0 | 44.391 | 6.433 | 0.0 | 41.944 | 5.26 | 0.0 | 43.724 | 6.924 | 0.0 | 41.775 | 5.704 | 0.0 | 43.712 | 6.554 | 0.0 | 42.625 | 5.799 | 0.0 | 47.184 | 7.251 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 32 | 15762 | 15763 | NS | 1 | 0.0 | 45.774 | 0.88 | 0.0 | 48.092 | 1.168 | 0.0 | 42.443 | 0.691 | 0.0 | 38.13 | 0.819 | 0.0 | 46.437 | 0.902 | 0.0 | 48.508 | 1.084 | 0.0 | 41.638 | 0.646 | 0.0 | 35.643 | 0.69 |
| 33 | 15762 | 15763 | NS | 1 | 0.0 | 53.599 | 3.36 | 0.0 | 43.661 | 4.159 | 0.0 | 40.299 | 2.711 | 0.0 | 49.738 | 2.998 | 0.0 | 54.604 | 3.563 | 0.0 | 44.84 | 3.906 | 0.0 | 42.471 | 2.576 | 0.0 | 50.317 | 2.549 |
| 34 | 15762 | 15763 | NS | 1 | 0.0 | 45.774 | 0.902 | 0.0 | 48.123 | 1.179 | 0.0 | 40.668 | 0.721 | 0.0 | 37.97 | 0.83 | 0.0 | 46.424 | 0.916 | 0.0 | 49.056 | 1.091 | 0.0 | 41.288 | 0.668 | 0.0 | 35.48 | 0.707 |
| 35 | 15762 | 15763 | SN | 1 | 0.0 | 44.261 | 1.628 | 0.0 | 43.35 | 2.051 | 0.0 | 43.551 | 1.733 | 0.0 | 35.691 | 2.426 | 0.0 | 42.867 | 1.696 | 0.0 | 43.704 | 2.076 | 0.0 | 40.233 | 1.844 | 0.0 | 38.133 | 2.559 |
| 36 | 15762 | 15763 | SN | 1 | 0.0 | 40.604 | 5.416 | 0.0 | 44.391 | 6.346 | 0.0 | 44.49 | 5.323 | 0.0 | 43.724 | 6.912 | 0.0 | 41.775 | 5.603 | 0.0 | 43.712 | 6.419 | 0.0 | 42.801 | 5.87 | 0.0 | 47.184 | 7.256 |
| 37 | 15763 | 15764 | SN | 1 | 0.0 | 44.721 | 2.069 | 0.0 | 41.771 | 2.224 | 0.0 | 38.81 | 1.948 | 0.0 | 40.165 | 2.279 | 0.0 | 44.764 | 2.08 | 0.0 | 41.989 | 1.993 | 0.0 | 40.788 | 1.982 | 0.0 | 39.458 | 2.212 |
| 38 | 15763 | 15764 | SN | 1 | 0.0 | 44.721 | 2.069 | 0.0 | 41.771 | 2.224 | 0.0 | 38.81 | 1.948 | 0.0 | 40.165 | 2.279 | 0.0 | 44.764 | 2.08 | 0.0 | 41.989 | 1.993 | 0.0 | 40.788 | 1.982 | 0.0 | 39.458 | 2.212 |
| 39 | 15763 | 15764 | NS | 1 | 0.0 | 51.036 | 5.379 | 0.0 | 58.214 | 6.237 | 0.0 | 43.466 | 4.717 | 0.0 | 47.646 | 5.557 | 0.0 | 51.546 | 5.44 | 0.0 | 59.894 | 5.963 | 0.0 | 44.849 | 4.944 | 0.0 | 47.81 | 5.365 |
| 40 | 15763 | 15764 | NS | 1 | 0.0 | 46.637 | 5.44 | 0.0 | 57.697 | 6.196 | 0.0 | 42.349 | 4.56 | 0.0 | 44.66 | 5.543 | 0.0 | 46.728 | 5.501 | 0.0 | 59.377 | 5.953 | 0.0 | 42.825 | 4.766 | 0.0 | 43.752 | 5.365 |
| 41 | 15763 | 15764 | SN | 1 | 0.0 | 45.231 | 8.116 | 0.0 | 45.797 | 8.363 | 0.0 | 40.188 | 6.1 | 0.0 | 44.572 | 6.948 | 0.0 | 44.608 | 8.116 | 0.0 | 46.39 | 8.079 | 0.0 | 38.835 | 6.426 | 0.0 | 42.909 | 6.941 |
| 42 | 15763 | 15764 | SN | 1 | 0.0 | 45.231 | 8.116 | 0.0 | 45.797 | 8.363 | 0.0 | 40.188 | 6.1 | 0.0 | 44.572 | 6.948 | 0.0 | 44.608 | 8.116 | 0.0 | 46.39 | 8.079 | 0.0 | 38.835 | 6.426 | 0.0 | 42.909 | 6.941 |
| 43 | 15763 | 15764 | NS | 1 | 0.0 | 45.157 | 1.374 | 0.0 | 51.119 | 1.79 | 0.0 | 41.224 | 1.351 | 0.0 | 41.732 | 1.928 | 0.0 | 43.809 | 1.365 | 0.0 | 50.156 | 1.69 | 0.0 | 39.322 | 1.337 | 0.0 | 44.542 | 1.738 |
| 44 | 15763 | 15764 | NS | 1 | 0.0 | 45.968 | 1.352 | 0.0 | 50.599 | 1.814 | 0.0 | 36.789 | 1.3 | 0.0 | 39.812 | 1.907 | 0.0 | 44.621 | 1.359 | 0.0 | 49.637 | 1.708 | 0.0 | 37.025 | 1.294 | 0.0 | 40.524 | 1.731 |
| 45 | 15764 | 15765 | SN | 1 | 0.0 | 56.985 | 5.71 | 0.0 | 50.711 | 6.427 | 0.0 | 42.133 | 4.382 | 0.0 | 47.058 | 6.131 | 0.0 | 56.101 | 5.721 | 0.0 | 50.988 | 6.134 | 0.0 | 43.136 | 4.345 | 0.0 | 48.093 | 5.537 |
| 46 | 15764 | 15765 | SN | 1 | 0.0 | 56.985 | 5.607 | 0.0 | 50.711 | 6.679 | 0.0 | 45.434 | 4.39 | 0.0 | 47.058 | 6.336 | 0.0 | 56.101 | 5.617 | 0.0 | 50.988 | 6.374 | 0.0 | 46.833 | 4.362 | 0.0 | 48.093 | 5.745 |
| 47 | 15764 | 15765 | SN | 1 | 0.0 | 57.439 | 5.566 | 0.0 | 50.711 | 6.699 | 0.0 | 42.08 | 4.39 | 0.0 | 47.083 | 6.357 | 0.0 | 56.557 | 5.617 | 0.0 | 50.841 | 6.354 | 0.0 | 43.113 | 4.362 | 0.0 | 47.671 | 5.773 |
| 48 | 15764 | 15765 | NS | 1 | 0.0 | 45.196 | 1.308 | 0.0 | 46.606 | 1.946 | 0.0 | 39.414 | 1.422 | 0.0 | 41.701 | 1.858 | 0.0 | 45.289 | 1.374 | 0.0 | 43.948 | 1.863 | 0.0 | 39.002 | 1.388 | 0.0 | 39.089 | 1.789 |
| 49 | 15764 | 15765 | SN | 1 | 0.0 | 49.134 | 1.474 | 0.0 | 46.641 | 1.982 | 0.0 | 39.445 | 1.424 | 0.0 | 41.712 | 2.022 | 0.0 | 49.94 | 1.467 | 0.0 | 49.438 | 1.819 | 0.0 | 39.325 | 1.414 | 0.0 | 40.866 | 1.825 |
| 50 | 15764 | 15765 | SN | 1 | 0.0 | 48.749 | 1.465 | 0.0 | 47.971 | 1.975 | 0.0 | 40.49 | 1.421 | 0.0 | 41.712 | 2.013 | 0.0 | 49.556 | 1.458 | 0.0 | 52.831 | 1.799 | 0.0 | 39.306 | 1.384 | 0.0 | 40.866 | 1.768 |
| 51 | 15764 | 15765 | NS | 1 | 0.0 | 51.43 | 4.822 | 0.0 | 48.287 | 5.863 | 0.0 | 38.947 | 4.845 | 0.0 | 47.154 | 5.98 | 0.0 | 51.126 | 4.913 | 0.0 | 49.171 | 5.964 | 0.0 | 41.45 | 4.916 | 0.0 | 44.822 | 6.008 |
| 52 | 15764 | 15765 | NS | 1 | 0.0 | 53.316 | 4.636 | 0.0 | 53.614 | 6.232 | 0.0 | 47.324 | 4.836 | 0.0 | 46.74 | 5.674 | 0.0 | 55.578 | 4.717 | 0.0 | 54.451 | 6.222 | 0.0 | 44.592 | 4.865 | 0.0 | 44.942 | 5.76 |
| 53 | 15764 | 15765 | SN | 1 | 0.0 | 49.134 | 1.454 | 0.0 | 46.641 | 1.899 | 0.0 | 39.445 | 1.403 | 0.0 | 41.712 | 2.006 | 0.0 | 49.94 | 1.44 | 0.0 | 49.438 | 1.744 | 0.0 | 39.325 | 1.386 | 0.0 | 40.866 | 1.801 |
| 54 | 15764 | 15765 | NS | 1 | 0.0 | 48.618 | 1.388 | 0.0 | 46.738 | 1.858 | 0.0 | 37.297 | 1.371 | 0.0 | 50.366 | 1.835 | 0.0 | 47.703 | 1.42 | 0.0 | 46.307 | 1.849 | 0.0 | 35.501 | 1.344 | 0.0 | 48.462 | 1.775 |
| 55 | 15765 | 15766 | NS | 1 | 0.0 | 46.75 | 4.701 | 0.0 | 47.468 | 5.903 | 0.0 | 42.003 | 3.985 | 0.0 | 44.919 | 5.19 | 0.0 | 47.147 | 4.761 | 0.0 | 49.627 | 5.802 | 0.0 | 40.613 | 3.985 | 0.0 | 42.314 | 4.913 |
| 56 | 15765 | 15766 | SN | 1 | 0.0 | 56.574 | 5.971 | 0.0 | 55.028 | 7.671 | 0.0 | 46.692 | 3.936 | 0.0 | 46.602 | 4.782 | 0.0 | 57.185 | 6.022 | 0.0 | 54.159 | 7.306 | 0.0 | 46.087 | 3.766 | 0.0 | 44.163 | 4.056 |
| 57 | 15765 | 15766 | SN | 1 | 0.0 | 41.345 | 1.368 | 0.0 | 45.524 | 1.939 | 0.0 | 45.107 | 1.035 | 0.0 | 46.577 | 1.327 | 0.0 | 41.468 | 1.341 | 0.0 | 47.579 | 1.812 | 0.0 | 48.035 | 0.968 | 0.0 | 47.579 | 1.1 |
| 58 | 15765 | 15766 | NS | 1 | 0.0 | 46.115 | 1.097 | 0.0 | 47.06 | 1.578 | 0.0 | 36.545 | 1.197 | 0.0 | 42.583 | 1.769 | 0.0 | 47.618 | 1.067 | 0.0 | 45.626 | 1.524 | 0.0 | 36.963 | 1.148 | 0.0 | 39.978 | 1.539 |
| 59 | 15765 | 15766 | SN | 1 | 0.0 | 56.574 | 6.092 | 0.0 | 55.028 | 7.24 | 0.0 | 46.692 | 3.899 | 0.0 | 46.602 | 4.475 | 0.0 | 57.185 | 6.125 | 0.0 | 54.159 | 6.896 | 0.0 | 46.087 | 3.728 | 0.0 | 44.163 | 3.789 |
| 60 | 15765 | 15766 | SN | 1 | 0.0 | 41.345 | 1.388 | 0.0 | 45.524 | 1.869 | 0.0 | 45.107 | 0.998 | 0.0 | 46.577 | 1.279 | 0.0 | 41.468 | 1.374 | 0.0 | 47.579 | 1.755 | 0.0 | 48.035 | 0.924 | 0.0 | 47.579 | 1.059 |
| 61 | 15766 | 15767 | SN | 1 | 0.0 | 45.774 | 0.64 | 0.0 | 45.912 | 1.08 | 0.0 | 37.778 | 0.598 | 0.0 | 40.788 | 0.962 | 0.0 | 45.848 | 0.628 | 0.0 | 45.768 | 0.983 | 0.0 | 37.211 | 0.504 | 0.0 | 36.433 | 0.731 |
| 62 | 15766 | 15767 | SN | 1 | 0.0 | 49.244 | 3.034 | 0.0 | 56.961 | 4.729 | 0.0 | 40.805 | 2.134 | 0.0 | 43.288 | 3.451 | 0.0 | 50.676 | 3.004 | 0.0 | 57.292 | 4.313 | 0.0 | 41.346 | 1.985 | 0.0 | 42.029 | 2.96 |
| 63 | 15766 | 15767 | NS | 1 | 0.0 | 44.288 | 0.988 | 0.0 | 42.437 | 1.364 | 0.0 | 38.115 | 0.95 | 0.0 | 43.635 | 1.355 | 0.0 | 41.811 | 0.988 | 0.0 | 41.916 | 1.285 | 0.0 | 38.872 | 0.911 | 0.0 | 41.418 | 1.165 |
| 64 | 15766 | 15767 | NS | 1 | 0.0 | 47.361 | 3.442 | 0.0 | 49.003 | 4.16 | 0.0 | 49.813 | 3.593 | 0.0 | 41.043 | 4.472 | 0.0 | 47.927 | 3.36 | 0.0 | 47.094 | 3.704 | 0.0 | 48.948 | 3.472 | 0.0 | 41.714 | 4.009 |
| 65 | 15766 | 15767 | NS | 1 | 0.0 | 50.149 | 3.421 | 0.0 | 50.165 | 4.17 | 0.0 | 46.849 | 3.615 | 0.0 | 42.965 | 4.472 | 0.0 | 49.032 | 3.371 | 0.0 | 47.725 | 3.694 | 0.0 | 46.671 | 3.494 | 0.0 | 42.977 | 4.031 |
| 66 | 15766 | 15767 | NS | 1 | 0.0 | 39.69 | 0.993 | 0.0 | 41.828 | 1.362 | 0.0 | 47.295 | 0.931 | 0.0 | 43.633 | 1.358 | 0.0 | 40.371 | 0.993 | 0.0 | 41.238 | 1.278 | 0.0 | 47.43 | 0.891 | 0.0 | 41.418 | 1.16 |
| 67 | 15767 | 15768 | NS | 1 | 0.0 | 50.296 | 5.927 | 0.0 | 53.605 | 7.372 | 0.0 | 45.544 | 5.165 | 0.0 | 45.123 | 6.601 | 0.0 | 50.705 | 5.967 | 0.0 | 52.973 | 7.17 | 0.0 | 47.377 | 4.923 | 0.0 | 45.822 | 5.919 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 68 | 15767 | 15768 | NS | 1 | 0.0 | 41.588 | 1.546 | 0.0 | 51.504 | 2.221 | 0.0 | 46.039 | 1.42 | 0.0 | 44.572 | 2.198 | 0.0 | 43.603 | 1.56 | 0.0 | 49.344 | 2.034 | 0.0 | 44.556 | 1.335 | 0.0 | 45.102 | 1.845 |
| 69 | 15767 | 15768 | NS | 1 | 0.0 | 45.533 | 1.537 | 0.0 | 49.544 | 2.237 | 0.0 | 48.356 | 1.435 | 0.0 | 46.829 | 2.217 | 0.0 | 44.464 | 1.521 | 0.0 | 47.367 | 2.058 | 0.0 | 47.615 | 1.349 | 0.0 | 43.849 | 1.85 |
| 70 | 15767 | 15768 | SN | 1 | 0.0 | 43.59 | 1.072 | 0.0 | 42.298 | 1.361 | 0.0 | 38.717 | 1.084 | 0.0 | 38.743 | 1.523 | 0.0 | 45.304 | 1.063 | 0.0 | 42.316 | 1.239 | 0.0 | 36.955 | 1.003 | 0.0 | 36.434 | 1.22 |
| 71 | 15767 | 15768 | NS | 1 | 0.0 | 54.151 | 5.835 | 0.0 | 51.704 | 7.362 | 0.0 | 45.545 | 5.122 | 0.0 | 44.116 | 6.672 | 0.0 | 54.559 | 5.937 | 0.0 | 49.867 | 7.21 | 0.0 | 45.631 | 5.008 | 0.0 | 46.555 | 5.962 |
| 72 | 15767 | 15768 | SN | 1 | 0.0 | 42.482 | 5.268 | 0.0 | 50.867 | 5.41 | 0.0 | 44.767 | 3.41 | 0.0 | 47.17 | 4.307 | 0.0 | 42.5 | 5.066 | 0.0 | 49.585 | 5.125 | 0.0 | 44.773 | 3.162 | 0.0 | 47.537 | 3.673 |
| 73 | 15768 | 15769 | NS | 1 | 0.0 | 41.548 | 1.094 | 0.0 | 44.479 | 1.552 | 0.0 | 38.824 | 1.081 | 0.0 | 41.594 | 1.3 | 0.0 | 42.932 | 1.076 | 0.0 | 45.861 | 1.485 | 0.0 | 38.392 | 1.042 | 0.0 | 39.198 | 1.217 |
| 74 | 15768 | 15769 | SN | 1 | 0.0 | 53.423 | 0.843 | 0.0 | 46.743 | 1.146 | 0.0 | 43.367 | 1.023 | 0.0 | 41.737 | 1.52 | 0.0 | 53.645 | 0.829 | 0.0 | 46.343 | 1.049 | 0.0 | 44.315 | 0.955 | 0.0 | 38.444 | 1.321 |
| 75 | 15768 | 15769 | NS | 1 | 0.0 | 48.891 | 4.353 | 0.0 | 53.961 | 5.691 | 0.0 | 44.933 | 3.706 | 0.0 | 39.277 | 4.392 | 0.0 | 50.25 | 4.343 | 0.0 | 53.064 | 5.124 | 0.0 | 46.377 | 3.685 | 0.0 | 40.29 | 4.1 |
| 76 | 15768 | 15769 | SN | 1 | 0.0 | 53.987 | 3.623 | 0.0 | 52.504 | 3.898 | 0.0 | 46.623 | 3.632 | 0.0 | 48.788 | 4.798 | 0.0 | 54.323 | 3.634 | 0.0 | 53.412 | 3.695 | 0.0 | 46.738 | 3.383 | 0.0 | 48.407 | 4.243 |
| 77 | 15768 | 15769 | SN | 1 | 0.0 | 53.987 | 3.623 | 0.0 | 52.504 | 3.898 | 0.0 | 46.623 | 3.632 | 0.0 | 48.788 | 4.798 | 0.0 | 54.323 | 3.634 | 0.0 | 53.412 | 3.695 | 0.0 | 46.738 | 3.383 | 0.0 | 48.407 | 4.243 |
| 78 | 15768 | 15769 | SN | 1 | 0.0 | 53.423 | 0.843 | 0.0 | 46.743 | 1.146 | 0.0 | 43.367 | 1.023 | 0.0 | 41.737 | 1.52 | 0.0 | 53.645 | 0.829 | 0.0 | 46.343 | 1.049 | 0.0 | 44.315 | 0.955 | 0.0 | 38.444 | 1.321 |
| 79 | 15768 | 15769 | NS | 1 | 0.0 | 41.467 | 1.092 | 0.0 | 45.064 | 1.541 | 0.0 | 39.88 | 1.049 | 0.0 | 42.584 | 1.288 | 0.0 | 42.453 | 1.08 | 0.0 | 46.448 | 1.448 | 0.0 | 36.662 | 1.019 | 0.0 | 42.451 | 1.217 |
| 80 | 15768 | 15769 | NS | 1 | 0.0 | 47.505 | 4.404 | 0.0 | 53.381 | 5.62 | 0.0 | 45.336 | 3.699 | 0.0 | 42.912 | 4.392 | 0.0 | 47.456 | 4.404 | 0.0 | 52.485 | 5.165 | 0.0 | 46.78 | 3.692 | 0.0 | 43.922 | 4.001 |
| 81 | 15769 | 15770 | SN | 1 | 0.0 | 57.1 | 1.138 | 0.0 | 45.598 | 1.485 | 0.0 | 40.46 | 1.051 | 0.0 | 38.871 | 1.47 | 0.0 | 56.504 | 1.174 | 0.0 | 46.485 | 1.406 | 0.0 | 41.309 | 1.037 | 0.0 | 41.063 | 1.354 |
| 82 | 15769 | 15770 | NS | 1 | 0.0 | 42.826 | 2.658 | 0.0 | 58.294 | 4.563 | 0.0 | 41.639 | 3.179 | 0.0 | 40.955 | 4.63 | 0.0 | 43.54 | 2.709 | 0.0 | 58.272 | 3.936 | 0.0 | 41.078 | 2.894 | 0.0 | 44.479 | 3.764 |
| 83 | 15769 | 15770 | NS | 1 | 0.0 | 42.826 | 2.658 | 0.0 | 58.294 | 4.563 | 0.0 | 41.639 | 3.179 | 0.0 | 40.955 | 4.63 | 0.0 | 43.54 | 2.709 | 0.0 | 58.272 | 3.936 | 0.0 | 41.078 | 2.894 | 0.0 | 44.479 | 3.764 |
| 84 | 15769 | 15770 | NS | 1 | 0.0 | 42.826 | 2.704 | 0.0 | 58.294 | 4.649 | 0.0 | 41.639 | 3.235 | 0.0 | 40.955 | 4.7 | 0.0 | 43.54 | 2.755 | 0.0 | 58.272 | 4.01 | 0.0 | 41.078 | 2.974 | 0.0 | 44.479 | 3.825 |
| 85 | 15769 | 15770 | SN | 1 | 0.0 | 52.702 | 1.116 | 0.0 | 50.751 | 1.501 | 0.0 | 40.31 | 1.044 | 0.0 | 40.726 | 1.441 | 0.0 | 52.106 | 1.158 | 0.0 | 51.281 | 1.392 | 0.0 | 41.159 | 1.033 | 0.0 | 41.07 | 1.342 |
| 86 | 15769 | 15770 | NS | 1 | 0.0 | 44.824 | 0.762 | 0.0 | 51.959 | 1.366 | 0.0 | 38.68 | 1.01 | 0.0 | 49.298 | 1.746 | 0.0 | 45.853 | 0.723 | 0.0 | 54.564 | 1.204 | 0.0 | 37.607 | 0.9 | 0.0 | 49.663 | 1.33 |
| 87 | 15769 | 15770 | NS | 1 | 0.0 | 44.824 | 0.762 | 0.0 | 51.959 | 1.366 | 0.0 | 38.68 | 1.01 | 0.0 | 49.298 | 1.746 | 0.0 | 45.853 | 0.723 | 0.0 | 54.564 | 1.204 | 0.0 | 37.607 | 0.9 | 0.0 | 49.663 | 1.33 |
| 88 | 15769 | 15770 | SN | 1 | 0.0 | 60.503 | 4.271 | 0.0 | 50.643 | 5.441 | 0.0 | 45.718 | 3.887 | 0.0 | 46.127 | 5.126 | 0.0 | 59.945 | 4.241 | 0.0 | 50.566 | 5.329 | 0.0 | 46.475 | 3.816 | 0.0 | 44.0 | 4.848 |
| 89 | 15769 | 15770 | SN | 1 | 0.0 | 56.097 | 4.271 | 0.0 | 56.107 | 5.471 | 0.0 | 48.399 | 3.944 | 0.0 | 48.563 | 5.168 | 0.0 | 55.541 | 4.211 | 0.0 | 58.381 | 5.329 | 0.0 | 49.156 | 3.887 | 0.0 | 49.113 | 4.748 |
| 90 | 15769 | 15770 | NS | 1 | 0.0 | 44.824 | 0.775 | 0.0 | 51.959 | 1.391 | 0.0 | 38.68 | 1.029 | 0.0 | 49.298 | 1.776 | 0.0 | 45.853 | 0.736 | 0.0 | 54.564 | 1.226 | 0.0 | 37.607 | 0.919 | 0.0 | 49.663 | 1.35 |
| 91 | 15770 | 15771 | NS | 1 | 0.0 | 46.74 | 4.487 | 0.0 | 45.722 | 5.215 | 0.0 | 41.483 | 4.448 | 0.0 | 45.825 | 5.653 | 0.0 | 47.535 | 4.558 | 0.0 | 42.424 | 4.931 | 0.0 | 41.901 | 4.59 | 0.0 | 45.487 | 5.603 |
| 92 | 15770 | 15771 | NS | 1 | 0.0 | 46.74 | 4.487 | 0.0 | 45.722 | 5.215 | 0.0 | 41.483 | 4.448 | 0.0 | 45.825 | 5.653 | 0.0 | 47.535 | 4.558 | 0.0 | 42.424 | 4.931 | 0.0 | 41.901 | 4.59 | 0.0 | 45.487 | 5.603 |
| 93 | 15770 | 15771 | SN | 1 | 0.0 | 46.339 | 4.271 | 0.0 | 49.116 | 5.875 | 0.0 | 47.391 | 5.658 | 0.0 | 43.398 | 6.661 | 0.0 | 47.022 | 4.261 | 0.0 | 47.079 | 5.946 | 0.0 | 45.105 | 5.892 | 0.0 | 44.435 | 6.839 |
| 94 | 15770 | 15771 | NS | 1 | 0.0 | 41.07 | 1.581 | 0.0 | 44.195 | 1.72 | 0.0 | 36.419 | 1.487 | 0.0 | 45.759 | 2.133 | 0.0 | 40.592 | 1.621 | 0.0 | 45.435 | 1.641 | 0.0 | 36.581 | 1.505 | 0.0 | 43.576 | 2.046 |
| 95 | 15770 | 15771 | NS | 1 | 0.0 | 41.07 | 1.506 | 0.0 | 44.195 | 1.628 | 0.0 | 36.419 | 1.41 | 0.0 | 45.759 | 2.03 | 0.0 | 40.592 | 1.551 | 0.0 | 45.435 | 1.556 | 0.0 | 36.581 | 1.426 | 0.0 | 43.576 | 1.946 |
| 96 | 15770 | 15771 | NS | 1 | 0.0 | 41.07 | 1.506 | 0.0 | 44.195 | 1.628 | 0.0 | 36.419 | 1.41 | 0.0 | 45.759 | 2.03 | 0.0 | 40.592 | 1.551 | 0.0 | 45.435 | 1.556 | 0.0 | 36.581 | 1.426 | 0.0 | 43.576 | 1.946 |
| 97 | 15770 | 15771 | SN | 1 | 0.0 | 45.171 | 1.473 | 0.0 | 47.708 | 1.984 | 0.0 | 43.392 | 1.723 | 0.0 | 36.638 | 2.16 | 0.0 | 44.862 | 1.498 | 0.0 | 46.683 | 1.975 | 0.0 | 41.094 | 1.744 | 0.0 | 38.374 | 2.117 |
| 98 | 15770 | 15771 | NS | 1 | 0.0 | 46.74 | 4.711 | 0.0 | 45.722 | 5.474 | 0.0 | 41.483 | 4.657 | 0.0 | 45.825 | 5.919 | 0.0 | 47.535 | 4.786 | 0.0 | 42.424 | 5.176 | 0.0 | 41.901 | 4.806 | 0.0 | 45.487 | 5.874 |
| 99 | 15771 | 15772 | NS | 1 | 0.0 | 39.484 | 1.225 | 0.0 | 46.314 | 1.99 | 0.0 | 37.758 | 1.586 | 0.0 | 38.754 | 2.011 | 0.0 | 39.583 | 1.232 | 0.0 | 46.898 | 1.773 | 0.0 | 37.73 | 1.497 | 0.0 | 38.35 | 1.676 |
| 100 | 15771 | 15772 | SN | 1 | 0.0 | 44.052 | 1.333 | 0.0 | 44.889 | 1.807 | 0.0 | 46.348 | 1.434 | 0.0 | 38.25 | 1.959 | 0.0 | 42.905 | 1.358 | 0.0 | 45.645 | 1.837 | 0.0 | 44.764 | 1.48 | 0.0 | 37.62 | 1.943 |
| 101 | 15771 | 15772 | SN | 1 | 0.0 | 44.052 | 1.333 | 0.0 | 44.889 | 1.807 | 0.0 | 46.348 | 1.434 | 0.0 | 38.25 | 1.959 | 0.0 | 42.905 | 1.358 | 0.0 | 45.645 | 1.837 | 0.0 | 44.764 | 1.48 | 0.0 | 37.62 | 1.943 |
| 102 | 15771 | 15772 | NS | 1 | 0.0 | 40.513 | 4.213 | 0.0 | 50.002 | 6.251 | 0.0 | 41.826 | 4.582 | 0.0 | 44.948 | 5.584 | 0.0 | 40.681 | 4.081 | 0.0 | 47.449 | 5.703 | 0.0 | 39.183 | 4.511 | 0.0 | 44.476 | 4.651 |
| 103 | 15771 | 15772 | NS | 1 | 0.0 | 42.419 | 4.224 | 0.0 | 50.002 | 6.261 | 0.0 | 39.128 | 4.611 | 0.0 | 42.615 | 5.584 | 0.0 | 42.83 | 4.092 | 0.0 | 47.449 | 5.723 | 0.0 | 39.474 | 4.554 | 0.0 | 43.456 | 4.701 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 104 | 15771 | 15772 | NS | 1 | 0.0 | 38.907 | 1.263 | 0.0 | 44.984 | 2.076 | 0.0 | 47.511 | 1.662 | 0.0 | 38.754 | 2.083 | 0.0 | 37.41 | 1.279 | 0.0 | 45.265 | 1.841 | 0.0 | 43.977 | 1.54 | 0.0 | 38.36 | 1.743 |
| 105 | 15771 | 15772 | SN | 1 | 0.0 | 51.441 | 5.534 | 0.0 | 44.891 | 5.926 | 0.0 | 50.131 | 4.516 | 0.0 | 41.382 | 6.128 | 0.0 | 51.038 | 5.757 | 0.0 | 46.043 | 6.322 | 0.0 | 47.89 | 4.857 | 0.0 | 40.3 | 6.057 |
| 106 | 15771 | 15772 | NS | 1 | 0.0 | 42.419 | 4.4 | 0.0 | 50.002 | 6.519 | 0.0 | 39.128 | 4.769 | 0.0 | 42.615 | 5.814 | 0.0 | 42.83 | 4.252 | 0.0 | 47.449 | 5.959 | 0.0 | 39.474 | 4.717 | 0.0 | 43.456 | 4.889 |
| 107 | 15771 | 15772 | SN | 1 | 0.0 | 51.441 | 5.534 | 0.0 | 44.891 | 5.926 | 0.0 | 50.131 | 4.516 | 0.0 | 41.382 | 6.128 | 0.0 | 51.038 | 5.757 | 0.0 | 46.043 | 6.322 | 0.0 | 47.89 | 4.857 | 0.0 | 40.3 | 6.057 |
| 108 | 15771 | 15772 | NS | 1 | 0.0 | 38.907 | 1.212 | 0.0 | 44.984 | 1.994 | 0.0 | 46.198 | 1.595 | 0.0 | 38.754 | 1.995 | 0.0 | 37.41 | 1.228 | 0.0 | 45.265 | 1.771 | 0.0 | 42.663 | 1.483 | 0.0 | 38.36 | 1.67 |
| 109 | 15772 | 15773 | NS | 1 | 0.0 | 46.391 | 7.418 | 0.0 | 50.397 | 9.861 | 0.0 | 48.372 | 7.044 | 0.0 | 45.797 | 8.961 | 0.0 | 46.197 | 7.597 | 0.0 | 49.682 | 9.861 | 0.0 | 47.454 | 7.278 | 0.0 | 47.763 | 9.286 |
| 110 | 15772 | 15773 | SN | 1 | 0.0 | 45.437 | 1.108 | 0.0 | 52.221 | 1.658 | 0.0 | 42.779 | 1.058 | 0.0 | 40.965 | 1.795 | 0.0 | 47.155 | 1.087 | 0.0 | 51.978 | 1.532 | 0.0 | 41.311 | 1.0 | 0.0 | 41.665 | 1.51 |
| 111 | 15772 | 15773 | NS | 1 | 0.0 | 51.073 | 2.389 | 0.0 | 45.708 | 3.138 | 0.0 | 43.457 | 2.107 | 0.0 | 42.566 | 2.896 | 0.0 | 50.559 | 2.45 | 0.0 | 47.922 | 3.114 | 0.0 | 41.322 | 2.169 | 0.0 | 42.0 | 2.963 |
| 112 | 15772 | 15773 | SN | 1 | 0.0 | 48.307 | 5.001 | 0.0 | 52.211 | 6.23 | 0.0 | 49.171 | 4.171 | 0.0 | 51.274 | 6.042 | 0.0 | 48.124 | 4.97 | 0.0 | 52.124 | 5.956 | 0.0 | 48.192 | 3.987 | 0.0 | 48.432 | 5.06 |
| 113 | 15772 | 15773 | SN | 1 | 0.0 | 43.608 | 1.159 | 0.0 | 52.221 | 1.629 | 0.0 | 42.779 | 1.074 | 0.0 | 39.974 | 1.705 | 0.0 | 42.775 | 1.136 | 0.0 | 51.978 | 1.511 | 0.0 | 43.705 | 1.007 | 0.0 | 41.477 | 1.448 |
| 114 | 15772 | 15773 | NS | 1 | 0.0 | 46.391 | 6.35 | 0.0 | 50.397 | 8.436 | 0.0 | 48.372 | 6.152 | 0.0 | 45.797 | 7.703 | 0.0 | 46.197 | 6.502 | 0.0 | 49.682 | 8.396 | 0.0 | 47.454 | 6.337 | 0.0 | 47.763 | 7.93 |
| 115 | 15772 | 15773 | NS | 1 | 0.0 | 46.391 | 6.35 | 0.0 | 50.397 | 8.436 | 0.0 | 48.372 | 6.152 | 0.0 | 45.797 | 7.703 | 0.0 | 46.197 | 6.502 | 0.0 | 49.682 | 8.396 | 0.0 | 47.454 | 6.337 | 0.0 | 47.763 | 7.93 |
| 116 | 15772 | 15773 | NS | 1 | 0.0 | 51.073 | 2.052 | 0.0 | 45.708 | 2.68 | 0.0 | 43.457 | 1.834 | 0.0 | 42.566 | 2.48 | 0.0 | 50.559 | 2.097 | 0.0 | 47.922 | 2.657 | 0.0 | 41.322 | 1.878 | 0.0 | 42.0 | 2.526 |
| 117 | 15772 | 15773 | NS | 1 | 0.0 | 51.073 | 2.052 | 0.0 | 45.708 | 2.68 | 0.0 | 43.457 | 1.834 | 0.0 | 42.566 | 2.48 | 0.0 | 50.559 | 2.097 | 0.0 | 47.922 | 2.657 | 0.0 | 41.322 | 1.878 | 0.0 | 42.0 | 2.526 |
| 118 | 15772 | 15773 | SN | 1 | 0.0 | 47.748 | 4.379 | 0.0 | 51.651 | 6.161 | 0.0 | 41.777 | 3.735 | 0.0 | 51.274 | 6.172 | 0.0 | 47.406 | 4.314 | 0.0 | 52.883 | 5.898 | 0.0 | 41.32 | 3.605 | 0.0 | 48.432 | 5.129 |
| 119 | 15773 | 15774 | SN | 1 | 0.0 | 47.943 | 1.572 | 0.0 | 44.577 | 1.866 | 0.0 | 44.255 | 1.301 | 0.0 | 43.947 | 1.499 | 0.0 | 47.247 | 1.565 | 0.0 | 45.828 | 1.698 | 0.0 | 42.765 | 1.187 | 0.0 | 43.354 | 1.345 |
| 120 | 15773 | 15774 | SN | 1 | 0.0 | 54.888 | 1.539 | 0.0 | 47.388 | 1.831 | 0.0 | 44.255 | 1.269 | 0.0 | 39.305 | 1.489 | 0.0 | 54.446 | 1.56 | 0.0 | 48.22 | 1.654 | 0.0 | 42.765 | 1.18 | 0.0 | 39.091 | 1.342 |
| 121 | 15773 | 15774 | SN | 1 | 0.0 | 45.909 | 1.53 | 0.0 | 44.577 | 1.822 | 0.0 | 44.255 | 1.267 | 0.0 | 43.947 | 1.459 | 0.0 | 47.247 | 1.535 | 0.0 | 45.828 | 1.659 | 0.0 | 42.765 | 1.166 | 0.0 | 43.354 | 1.312 |
| 122 | 15773 | 15774 | SN | 1 | 0.0 | 49.81 | 6.004 | 0.0 | 51.62 | 6.793 | 0.0 | 47.808 | 4.614 | 0.0 | 49.365 | 5.488 | 0.0 | 48.65 | 6.117 | 0.0 | 48.917 | 6.346 | 0.0 | 48.276 | 4.404 | 0.0 | 49.741 | 4.795 |
| 123 | 15773 | 15774 | NS | 1 | 0.0 | 51.79 | 1.547 | 0.0 | 53.806 | 1.756 | 0.0 | 38.729 | 1.318 | 0.0 | 48.873 | 1.698 | 0.0 | 52.87 | 1.594 | 0.0 | 50.346 | 1.659 | 0.0 | 40.914 | 1.24 | 0.0 | 43.092 | 1.489 |
| 124 | 15773 | 15774 | NS | 1 | 0.0 | 52.091 | 5.886 | 0.0 | 53.359 | 6.816 | 0.0 | 50.092 | 4.446 | 0.0 | 49.73 | 5.858 | 0.0 | 52.473 | 6.008 | 0.0 | 52.502 | 6.248 | 0.0 | 52.281 | 4.631 | 0.0 | 48.346 | 5.225 |
| 125 | 15773 | 15774 | SN | 1 | 0.0 | 49.826 | 5.89 | 0.0 | 52.87 | 6.709 | 0.0 | 48.925 | 4.518 | 0.0 | 43.31 | 5.397 | 0.0 | 49.666 | 6.042 | 0.0 | 51.535 | 6.242 | 0.0 | 47.93 | 4.348 | 0.0 | 40.943 | 4.67 |
| 126 | 15773 | 15774 | SN | 1 | 0.0 | 50.073 | 5.86 | 0.0 | 51.62 | 6.648 | 0.0 | 47.808 | 4.412 | 0.0 | 49.365 | 5.361 | 0.0 | 50.373 | 6.012 | 0.0 | 48.917 | 6.201 | 0.0 | 48.276 | 4.277 | 0.0 | 49.741 | 4.663 |
| 127 | 15774 | 15775 | NS | 1 | 0.0 | 50.893 | 3.299 | 0.0 | 50.482 | 3.885 | 0.0 | 48.567 | 2.882 | 0.0 | 49.444 | 3.781 | 0.0 | 51.64 | 3.32 | 0.0 | 52.732 | 3.651 | 0.0 | 48.611 | 2.754 | 0.0 | 51.384 | 3.297 |
| 128 | 15774 | 15775 | SN | 1 | 0.0 | 43.28 | 0.794 | 0.0 | 41.289 | 1.154 | 0.0 | 39.428 | 0.928 | 0.0 | 44.275 | 1.233 | 0.0 | 42.46 | 0.778 | 0.0 | 39.761 | 1.01 | 0.0 | 36.363 | 0.885 | 0.0 | 40.643 | 1.077 |
| 129 | 15774 | 15775 | SN | 1 | 0.0 | 43.28 | 0.794 | 0.0 | 41.289 | 1.154 | 0.0 | 39.428 | 0.928 | 0.0 | 44.275 | 1.233 | 0.0 | 42.46 | 0.778 | 0.0 | 39.761 | 1.01 | 0.0 | 36.363 | 0.885 | 0.0 | 40.643 | 1.077 |
| 130 | 15774 | 15775 | NS | 1 | 0.0 | 49.204 | 0.882 | 0.0 | 48.515 | 1.337 | 0.0 | 37.27 | 0.826 | 0.0 | 47.416 | 1.209 | 0.0 | 48.953 | 0.868 | 0.0 | 50.16 | 1.24 | 0.0 | 35.556 | 0.759 | 0.0 | 48.763 | 1.026 |
| 131 | 15774 | 15775 | NS | 1 | 0.0 | 46.32 | 0.88 | 0.0 | 49.055 | 1.326 | 0.0 | 37.27 | 0.831 | 0.0 | 47.482 | 1.211 | 0.0 | 46.717 | 0.866 | 0.0 | 50.7 | 1.222 | 0.0 | 37.332 | 0.76 | 0.0 | 48.83 | 1.032 |
| 132 | 15774 | 15775 | SN | 1 | 0.0 | 43.28 | 0.784 | 0.0 | 41.289 | 1.161 | 0.0 | 39.428 | 0.916 | 0.0 | 44.275 | 1.233 | 0.0 | 42.46 | 0.768 | 0.0 | 39.761 | 1.014 | 0.0 | 36.363 | 0.874 | 0.0 | 40.643 | 1.075 |
| 133 | 15774 | 15775 | SN | 1 | 0.0 | 53.091 | 2.702 | 0.0 | 48.908 | 3.906 | 0.0 | 39.456 | 2.709 | 0.0 | 45.193 | 3.743 | 0.0 | 53.839 | 2.864 | 0.0 | 50.31 | 3.602 | 0.0 | 41.714 | 2.694 | 0.0 | 43.757 | 3.288 |
| 134 | 15774 | 15775 | NS | 1 | 0.0 | 50.893 | 3.32 | 0.0 | 50.482 | 3.885 | 0.0 | 46.603 | 2.882 | 0.0 | 49.554 | 3.774 | 0.0 | 51.64 | 3.35 | 0.0 | 52.729 | 3.652 | 0.0 | 48.791 | 2.761 | 0.0 | 51.404 | 3.289 |
| 135 | 15774 | 15775 | SN | 1 | 0.0 | 53.091 | 2.734 | 0.0 | 48.908 | 3.905 | 0.0 | 39.456 | 2.742 | 0.0 | 45.193 | 3.768 | 0.0 | 53.839 | 2.898 | 0.0 | 50.31 | 3.597 | 0.0 | 41.714 | 2.728 | 0.0 | 43.757 | 3.293 |
| 136 | 15774 | 15775 | SN | 1 | 0.0 | 53.091 | 2.734 | 0.0 | 48.908 | 3.905 | 0.0 | 39.456 | 2.742 | 0.0 | 45.193 | 3.768 | 0.0 | 53.839 | 2.898 | 0.0 | 50.31 | 3.597 | 0.0 | 41.714 | 2.728 | 0.0 | 43.757 | 3.293 |
| 137 | 15775 | 15776 | SN | 1 | 0.0 | 40.91 | 0.766 | 0.0 | 40.793 | 0.935 | 0.0 | 42.371 | 0.909 | 0.0 | 38.363 | 1.507 | 0.0 | 41.382 | 0.75 | 0.0 | 39.38 | 0.818 | 0.0 | 41.511 | 0.826 | 0.0 | 38.392 | 1.232 |
| 138 | 15775 | 15776 | NS | 1 | 0.0 | 44.56 | 1.255 | 0.0 | 47.798 | 1.7 | 0.0 | 39.967 | 1.27 | 0.0 | 42.801 | 1.741 | 0.0 | 45.697 | 1.235 | 0.0 | 47.477 | 1.569 | 0.0 | 39.612 | 1.144 | 0.0 | 40.766 | 1.514 |
| 139 | 15775 | 15776 | NS | 1 | 0.0 | 44.56 | 1.255 | 0.0 | 47.798 | 1.7 | 0.0 | 39.967 | 1.27 | 0.0 | 42.801 | 1.741 | 0.0 | 45.697 | 1.235 | 0.0 | 47.477 | 1.569 | 0.0 | 39.612 | 1.144 | 0.0 | 40.766 | 1.514 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 140 | 15775 | 15776 | SN | 1 | 0.0 | 42.841 | 2.568 | 0.0 | 36.382 | 2.977 | 0.0 | 42.272 | 2.866 | 0.0 | 43.653 | 4.098 | 0.0 | 42.502 | 2.486 | 0.0 | 37.057 | 2.936 | 0.0 | 41.71 | 2.83 | 0.0 | 43.44 | 3.527 |
| 141 | 15775 | 15776 | SN | 1 | 0.0 | 42.841 | 2.621 | 0.0 | 37.027 | 3.206 | 0.0 | 42.272 | 2.837 | 0.0 | 43.653 | 4.177 | 0.0 | 42.502 | 2.571 | 0.0 | 37.057 | 3.165 | 0.0 | 41.71 | 2.787 | 0.0 | 43.44 | 3.615 |
| 142 | 15775 | 15776 | SN | 1 | 0.0 | 42.841 | 2.642 | 0.0 | 37.027 | 3.206 | 0.0 | 42.272 | 2.837 | 0.0 | 43.653 | 4.177 | 0.0 | 42.502 | 2.581 | 0.0 | 37.057 | 3.165 | 0.0 | 41.71 | 2.787 | 0.0 | 43.44 | 3.615 |
| 143 | 15775 | 15776 | NS | 1 | 0.0 | 42.45 | 4.832 | 0.0 | 50.734 | 6.521 | 0.0 | 41.969 | 3.935 | 0.0 | 48.008 | 5.29 | 0.0 | 45.225 | 4.934 | 0.0 | 50.344 | 6.034 | 0.0 | 42.371 | 3.814 | 0.0 | 47.335 | 4.813 |
| 144 | 15775 | 15776 | SN | 1 | 0.0 | 40.91 | 0.764 | 0.0 | 40.793 | 0.938 | 0.0 | 42.371 | 0.909 | 0.0 | 38.363 | 1.507 | 0.0 | 41.382 | 0.748 | 0.0 | 39.38 | 0.818 | 0.0 | 41.511 | 0.826 | 0.0 | 38.392 | 1.23 |
| 145 | 15775 | 15776 | SN | 1 | 0.0 | 40.91 | 0.753 | 0.0 | 40.793 | 0.894 | 0.0 | 42.371 | 0.916 | 0.0 | 38.363 | 1.465 | 0.0 | 41.382 | 0.734 | 0.0 | 39.38 | 0.784 | 0.0 | 41.511 | 0.832 | 0.0 | 38.392 | 1.175 |
| 146 | 15775 | 15776 | NS | 1 | 0.0 | 42.45 | 4.832 | 0.0 | 50.734 | 6.521 | 0.0 | 41.969 | 3.928 | 0.0 | 48.008 | 5.29 | 0.0 | 45.225 | 4.934 | 0.0 | 50.344 | 6.034 | 0.0 | 42.371 | 3.807 | 0.0 | 47.335 | 4.813 |
| 147 | 15776 | 15777 | SN | 1 | 0.0 | 43.279 | 1.234 | 0.0 | 49.912 | 1.929 | 0.0 | 47.894 | 1.461 | 0.0 | 41.399 | 2.33 | 0.0 | 43.785 | 1.237 | 0.0 | 46.854 | 1.767 | 0.0 | 44.345 | 1.468 | 0.0 | 38.67 | 2.094 |
| 148 | 15776 | 15777 | SN | 1 | 0.0 | 43.279 | 1.234 | 0.0 | 49.912 | 1.929 | 0.0 | 47.894 | 1.461 | 0.0 | 41.399 | 2.33 | 0.0 | 43.785 | 1.237 | 0.0 | 46.854 | 1.767 | 0.0 | 44.345 | 1.468 | 0.0 | 38.67 | 2.094 |
| 149 | 15776 | 15777 | SN | 1 | 0.0 | 41.532 | 4.483 | 0.0 | 52.734 | 6.22 | 0.0 | 41.6 | 4.564 | 0.0 | 40.211 | 6.221 | 0.0 | 40.113 | 4.618 | 0.0 | 51.849 | 6.096 | 0.0 | 41.139 | 4.579 | 0.0 | 39.296 | 5.988 |
| 150 | 15776 | 15777 | NS | 1 | 0.0 | 42.368 | 1.097 | 0.0 | 48.604 | 1.349 | 0.0 | 39.746 | 0.909 | 0.0 | 41.907 | 1.241 | 0.0 | 41.825 | 1.144 | 0.0 | 45.573 | 1.283 | 0.0 | 44.008 | 0.858 | 0.0 | 38.466 | 1.076 |
| 151 | 15776 | 15777 | SN | 1 | 0.0 | 41.532 | 4.725 | 0.0 | 52.734 | 6.271 | 0.0 | 38.466 | 4.488 | 0.0 | 41.644 | 6.163 | 0.0 | 41.769 | 4.847 | 0.0 | 51.849 | 6.119 | 0.0 | 37.994 | 4.51 | 0.0 | 42.231 | 5.928 |
| 152 | 15776 | 15777 | SN | 1 | 0.0 | 41.532 | 4.725 | 0.0 | 52.734 | 6.271 | 0.0 | 38.466 | 4.488 | 0.0 | 41.644 | 6.163 | 0.0 | 41.769 | 4.847 | 0.0 | 51.849 | 6.119 | 0.0 | 37.994 | 4.51 | 0.0 | 42.231 | 5.928 |
| 153 | 15776 | 15777 | NS | 1 | 0.0 | 44.089 | 1.126 | 0.0 | 50.96 | 1.369 | 0.0 | 39.744 | 0.927 | 0.0 | 43.526 | 1.231 | 0.0 | 44.862 | 1.173 | 0.0 | 50.724 | 1.29 | 0.0 | 44.008 | 0.881 | 0.0 | 43.743 | 1.075 |
| 154 | 15776 | 15777 | NS | 1 | 0.0 | 54.789 | 4.68 | 0.0 | 48.752 | 5.521 | 0.0 | 47.923 | 3.728 | 0.0 | 47.997 | 4.501 | 0.0 | 55.195 | 4.741 | 0.0 | 47.519 | 5.216 | 0.0 | 50.517 | 3.686 | 0.0 | 48.687 | 3.789 |
| 155 | 15776 | 15777 | NS | 1 | 0.0 | 48.113 | 4.711 | 0.0 | 48.752 | 5.46 | 0.0 | 47.884 | 3.764 | 0.0 | 46.764 | 4.451 | 0.0 | 48.181 | 4.752 | 0.0 | 47.519 | 5.105 | 0.0 | 50.478 | 3.615 | 0.0 | 44.856 | 3.817 |
| 156 | 15776 | 15777 | SN | 1 | 0.0 | 43.279 | 1.208 | 0.0 | 49.912 | 1.933 | 0.0 | 44.484 | 1.477 | 0.0 | 39.696 | 2.312 | 0.0 | 43.785 | 1.196 | 0.0 | 46.854 | 1.778 | 0.0 | 40.935 | 1.45 | 0.0 | 37.0 | 2.076 |
| 157 | 15777 | 15778 | SN | 1 | 0.0 | 48.545 | 7.177 | 0.0 | 48.791 | 7.744 | 0.0 | 44.13 | 6.267 | 0.0 | 42.32 | 7.67 | 0.0 | 49.453 | 7.471 | 0.0 | 48.168 | 8.291 | 0.0 | 43.01 | 6.87 | 0.0 | 43.139 | 8.452 |
| 158 | 15777 | 15778 | NS | 1 | 0.0 | 47.159 | 4.376 | 0.0 | 52.87 | 5.532 | 0.0 | 45.706 | 4.106 | 0.0 | 47.193 | 5.192 | 0.0 | 47.729 | 4.539 | 0.0 | 50.341 | 5.38 | 0.0 | 44.002 | 4.219 | 0.0 | 45.469 | 5.0 |
| 159 | 15777 | 15778 | NS | 1 | 0.0 | 48.622 | 1.279 | 0.0 | 45.787 | 1.898 | 0.0 | 42.208 | 1.078 | 0.0 | 39.582 | 1.513 | 0.0 | 49.705 | 1.257 | 0.0 | 47.22 | 1.778 | 0.0 | 41.709 | 1.11 | 0.0 | 39.319 | 1.419 |
| 160 | 15777 | 15778 | NS | 1 | 0.0 | 46.458 | 1.368 | 0.0 | 45.095 | 1.703 | 0.0 | 42.066 | 1.048 | 0.0 | 39.99 | 1.56 | 0.0 | 46.72 | 1.354 | 0.0 | 44.744 | 1.674 | 0.0 | 39.442 | 1.062 | 0.0 | 41.155 | 1.419 |
| 161 | 15777 | 15778 | NS | 1 | 0.0 | 48.037 | 4.454 | 0.0 | 49.852 | 5.661 | 0.0 | 45.171 | 4.254 | 0.0 | 43.073 | 5.344 | 0.0 | 47.849 | 4.556 | 0.0 | 49.347 | 5.489 | 0.0 | 45.699 | 4.282 | 0.0 | 44.755 | 5.11 |
| 162 | 15777 | 15778 | SN | 1 | 0.0 | 44.608 | 2.03 | 0.0 | 44.176 | 2.492 | 0.0 | 41.647 | 2.145 | 0.0 | 39.348 | 2.54 | 0.0 | 44.254 | 2.065 | 0.0 | 43.747 | 2.555 | 0.0 | 39.133 | 2.325 | 0.0 | 39.063 | 2.72 |
| 163 | 15777 | 15778 | SN | 1 | 0.0 | 43.2 | 1.997 | 0.0 | 44.176 | 2.465 | 0.0 | 41.647 | 2.111 | 0.0 | 39.348 | 2.486 | 0.0 | 42.848 | 2.051 | 0.0 | 43.747 | 2.524 | 0.0 | 39.133 | 2.279 | 0.0 | 39.063 | 2.672 |
| 164 | 15777 | 15778 | SN | 1 | 0.0 | 53.89 | 7.481 | 0.0 | 48.791 | 7.895 | 0.0 | 39.814 | 6.228 | 0.0 | 41.732 | 7.487 | 0.0 | 54.656 | 7.805 | 0.0 | 48.168 | 8.443 | 0.0 | 40.639 | 6.86 | 0.0 | 41.081 | 8.249 |
| 165 | 15778 | 15779 | SN | 1 | 0.0 | 47.256 | 4.719 | 0.0 | 47.556 | 6.886 | 0.0 | 43.214 | 5.226 | 0.0 | 46.696 | 7.707 | 0.0 | 47.359 | 4.805 | 0.0 | 51.323 | 6.555 | 0.0 | 46.043 | 5.166 | 0.0 | 43.927 | 7.107 |
| 166 | 15778 | 15779 | NS | 1 | 0.0 | 47.802 | 3.989 | 0.0 | 54.993 | 5.306 | 0.0 | 44.212 | 4.042 | 0.0 | 47.801 | 5.332 | 0.0 | 47.786 | 3.938 | 0.0 | 54.797 | 4.799 | 0.0 | 44.268 | 3.849 | 0.0 | 47.511 | 4.57 |
| 167 | 15778 | 15779 | SN | 1 | 0.0 | 47.256 | 4.635 | 0.0 | 47.556 | 6.902 | 0.0 | 43.693 | 5.348 | 0.0 | 46.696 | 7.725 | 0.0 | 47.924 | 4.716 | 0.0 | 51.323 | 6.598 | 0.0 | 46.645 | 5.34 | 0.0 | 42.552 | 7.127 |
| 168 | 15778 | 15779 | SN | 1 | 0.0 | 46.849 | 4.686 | 0.0 | 50.649 | 7.034 | 0.0 | 42.19 | 5.298 | 0.0 | 43.002 | 7.512 | 0.0 | 46.961 | 4.645 | 0.0 | 50.36 | 6.719 | 0.0 | 42.477 | 5.199 | 0.0 | 41.78 | 7.006 |
| 169 | 15778 | 15779 | SN | 1 | 0.0 | 49.589 | 1.357 | 0.0 | 48.051 | 2.258 | 0.0 | 37.326 | 1.612 | 0.0 | 40.796 | 2.501 | 0.0 | 48.239 | 1.372 | 0.0 | 48.15 | 1.998 | 0.0 | 40.042 | 1.576 | 0.0 | 38.495 | 2.301 |
| 170 | 15778 | 15779 | NS | 1 | 0.0 | 45.978 | 0.993 | 0.0 | 47.996 | 1.47 | 0.0 | 45.126 | 1.076 | 0.0 | 47.409 | 1.572 | 0.0 | 48.669 | 0.988 | 0.0 | 45.124 | 1.343 | 0.0 | 47.312 | 0.991 | 0.0 | 42.675 | 1.308 |
| 171 | 15778 | 15779 | SN | 1 | 0.0 | 49.359 | 1.363 | 0.0 | 48.051 | 2.233 | 0.0 | 38.918 | 1.643 | 0.0 | 40.796 | 2.459 | 0.0 | 48.009 | 1.386 | 0.0 | 48.15 | 1.987 | 0.0 | 40.042 | 1.594 | 0.0 | 38.495 | 2.248 |
| 172 | 15778 | 15779 | SN | 1 | 0.0 | 47.691 | 1.377 | 0.0 | 46.585 | 2.213 | 0.0 | 37.108 | 1.656 | 0.0 | 40.193 | 2.478 | 0.0 | 46.6 | 1.384 | 0.0 | 46.684 | 2.027 | 0.0 | 36.415 | 1.595 | 0.0 | 37.261 | 2.235 |
| 173 | 15779 | 15780 | NS | 1 | 0.0 | 47.552 | 1.626 | 0.0 | 46.74 | 2.222 | 0.0 | 40.245 | 1.764 | 0.0 | 43.579 | 2.253 | 0.0 | 46.909 | 1.678 | 0.0 | 44.267 | 2.161 | 0.0 | 40.492 | 1.78 | 0.0 | 44.552 | 2.147 |
| 174 | 15779 | 15780 | SN | 1 | 0.0 | 50.669 | 5.438 | 0.0 | 51.781 | 6.275 | 0.0 | 46.328 | 4.204 | 0.0 | 45.564 | 5.565 | 0.0 | 52.7 | 5.559 | 0.0 | 54.188 | 6.155 | 0.0 | 44.654 | 4.357 | 0.0 | 43.036 | 5.165 |
| 175 | 15779 | 15780 | SN | 1 | 0.0 | 44.165 | 1.361 | 0.0 | 47.798 | 1.893 | 0.0 | 42.844 | 1.116 | 0.0 | 42.759 | 1.654 | 0.0 | 44.0 | 1.388 | 0.0 | 48.852 | 1.803 | 0.0 | 41.793 | 1.095 | 0.0 | 43.337 | 1.533 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 176 | 15779 | 15780 | NS | 1 | 0.0 | 54.278 | 5.879 | 0.0 | 51.299 | 7.299 | 0.0 | 46.862 | 5.821 | 0.0 | 52.245 | 7.206 | 0.0 | 55.107 | 5.92 | 0.0 | 50.58 | 7.198 | 0.0 | 46.166 | 5.964 | 0.0 | 48.004 | 7.128 |
| 177 | 15779 | 15780 | SN | 1 | 0.0 | 44.165 | 1.368 | 0.0 | 47.798 | 1.909 | 0.0 | 42.844 | 1.111 | 0.0 | 42.759 | 1.67 | 0.0 | 44.0 | 1.399 | 0.0 | 48.852 | 1.803 | 0.0 | 41.793 | 1.092 | 0.0 | 43.337 | 1.549 |
| 178 | 15779 | 15780 | SN | 1 | 0.0 | 50.669 | 5.435 | 0.0 | 51.781 | 6.686 | 0.0 | 53.8 | 4.163 | 0.0 | 45.564 | 5.884 | 0.0 | 52.7 | 5.557 | 0.0 | 54.188 | 6.483 | 0.0 | 52.125 | 4.284 | 0.0 | 43.036 | 5.351 |
| 179 | 15779 | 15780 | SN | 1 | 0.0 | 44.165 | 1.4 | 0.0 | 47.798 | 1.814 | 0.0 | 42.844 | 1.111 | 0.0 | 42.759 | 1.604 | 0.0 | 44.0 | 1.425 | 0.0 | 48.613 | 1.753 | 0.0 | 41.793 | 1.094 | 0.0 | 43.337 | 1.499 |
| 180 | 15779 | 15780 | SN | 1 | 0.0 | 50.669 | 5.445 | 0.0 | 51.781 | 6.666 | 0.0 | 53.8 | 4.149 | 0.0 | 45.564 | 5.87 | 0.0 | 52.7 | 5.567 | 0.0 | 54.188 | 6.473 | 0.0 | 52.125 | 4.277 | 0.0 | 43.036 | 5.329 |
| 181 | 15780 | 15781 | NS | 1 | 0.0 | 41.35 | 3.34 | 0.0 | 44.51 | 4.313 | 0.0 | 44.119 | 3.814 | 0.0 | 41.511 | 4.194 | 0.0 | 41.736 | 3.381 | 0.0 | 42.803 | 3.998 | 0.0 | 47.011 | 3.636 | 0.0 | 42.324 | 3.931 |
| 182 | 15780 | 15781 | SN | 1 | 0.0 | 43.339 | 3.216 | 0.0 | 48.778 | 3.795 | 0.0 | 44.419 | 3.281 | 0.0 | 47.256 | 3.854 | 0.0 | 43.133 | 3.272 | 0.0 | 48.203 | 3.772 | 0.0 | 42.767 | 3.147 | 0.0 | 44.05 | 3.489 |
| 183 | 15780 | 15781 | SN | 1 | 0.0 | 45.726 | 1.113 | 0.0 | 48.687 | 1.448 | 0.0 | 41.373 | 0.969 | 0.0 | 41.699 | 1.297 | 0.0 | 45.954 | 1.122 | 0.0 | 46.141 | 1.36 | 0.0 | 44.657 | 0.893 | 0.0 | 38.565 | 1.216 |
| 184 | 15780 | 15781 | SN | 1 | 0.0 | 51.08 | 3.734 | 0.0 | 48.778 | 5.054 | 0.0 | 44.419 | 3.652 | 0.0 | 49.895 | 4.519 | 0.0 | 51.994 | 3.795 | 0.0 | 48.203 | 4.932 | 0.0 | 45.851 | 3.475 | 0.0 | 46.369 | 4.106 |
| 185 | 15780 | 15781 | NS | 1 | 0.0 | 39.656 | 0.875 | 0.0 | 48.356 | 1.184 | 0.0 | 40.397 | 1.099 | 0.0 | 47.411 | 1.436 | 0.0 | 39.791 | 0.882 | 0.0 | 47.26 | 1.091 | 0.0 | 40.842 | 1.058 | 0.0 | 45.286 | 1.287 |
| 186 | 15780 | 15781 | NS | 1 | 0.0 | 42.088 | 0.868 | 0.0 | 49.762 | 1.162 | 0.0 | 43.666 | 1.085 | 0.0 | 40.835 | 1.338 | 0.0 | 42.227 | 0.884 | 0.0 | 54.124 | 1.081 | 0.0 | 44.768 | 1.053 | 0.0 | 42.346 | 1.181 |
| 187 | 15780 | 15781 | NS | 1 | 0.0 | 56.616 | 3.665 | 0.0 | 51.266 | 4.091 | 0.0 | 45.72 | 3.75 | 0.0 | 42.204 | 4.38 | 0.0 | 55.878 | 3.726 | 0.0 | 52.358 | 3.948 | 0.0 | 46.103 | 3.799 | 0.0 | 43.806 | 3.974 |
| 188 | 15780 | 15781 | SN | 1 | 0.0 | 39.677 | 0.981 | 0.0 | 43.71 | 1.195 | 0.0 | 41.373 | 0.905 | 0.0 | 39.543 | 1.153 | 0.0 | 40.612 | 0.996 | 0.0 | 41.024 | 1.087 | 0.0 | 44.657 | 0.813 | 0.0 | 38.565 | 1.054 |
| 189 | 15781 | 15782 | SN | 1 | 0.0 | 47.343 | 2.429 | 0.0 | 48.047 | 3.511 | 0.0 | 40.338 | 2.475 | 0.0 | 45.021 | 3.751 | 0.0 | 48.019 | 2.429 | 0.0 | 49.974 | 3.206 | 0.0 | 40.743 | 2.269 | 0.0 | 44.467 | 3.153 |
| 190 | 15781 | 15782 | SN | 1 | 0.0 | 38.328 | 0.68 | 0.0 | 43.598 | 1.003 | 0.0 | 42.601 | 0.738 | 0.0 | 37.321 | 1.21 | 0.0 | 37.928 | 0.662 | 0.0 | 45.063 | 0.904 | 0.0 | 43.977 | 0.688 | 0.0 | 38.525 | 0.962 |
| 191 | 15781 | 15782 | SN | 1 | 0.0 | 38.328 | 0.68 | 0.0 | 43.598 | 1.003 | 0.0 | 42.601 | 0.738 | 0.0 | 37.321 | 1.21 | 0.0 | 37.928 | 0.662 | 0.0 | 45.063 | 0.904 | 0.0 | 43.977 | 0.688 | 0.0 | 38.525 | 0.962 |
| 192 | 15781 | 15782 | SN | 1 | 0.0 | 47.343 | 2.429 | 0.0 | 48.047 | 3.511 | 0.0 | 40.338 | 2.475 | 0.0 | 45.021 | 3.751 | 0.0 | 48.019 | 2.429 | 0.0 | 49.974 | 3.206 | 0.0 | 40.743 | 2.269 | 0.0 | 44.467 | 3.153 |
| 193 | 15781 | 15782 | NS | 1 | 0.0 | 48.433 | 6.295 | 0.0 | 51.812 | 7.298 | 0.0 | 45.476 | 4.931 | 0.0 | 47.485 | 6.552 | 0.0 | 50.122 | 6.224 | 0.0 | 52.779 | 7.004 | 0.0 | 42.862 | 4.852 | 0.0 | 48.205 | 5.975 |
| 194 | 15781 | 15782 | NS | 1 | 0.0 | 48.539 | 6.285 | 0.0 | 51.812 | 7.237 | 0.0 | 45.51 | 4.959 | 0.0 | 45.921 | 6.552 | 0.0 | 50.228 | 6.204 | 0.0 | 52.779 | 7.024 | 0.0 | 44.416 | 4.852 | 0.0 | 48.155 | 5.933 |
| 195 | 15781 | 15782 | NS | 1 | 0.0 | 49.863 | 1.576 | 0.0 | 46.764 | 2.11 | 0.0 | 38.386 | 1.357 | 0.0 | 48.002 | 1.999 | 0.0 | 50.605 | 1.574 | 0.0 | 46.658 | 1.999 | 0.0 | 38.413 | 1.316 | 0.0 | 48.493 | 1.772 |
| 196 | 15781 | 15782 | NS | 1 | 0.0 | 51.463 | 1.576 | 0.0 | 48.576 | 2.119 | 0.0 | 50.098 | 1.351 | 0.0 | 48.002 | 2.025 | 0.0 | 52.198 | 1.571 | 0.0 | 48.139 | 2.002 | 0.0 | 51.012 | 1.268 | 0.0 | 48.493 | 1.782 |
| 197 | 15782 | 15783 | SN | 1 | 0.0 | 43.938 | 1.386 | 0.0 | 42.741 | 2.104 | 0.0 | 41.452 | 1.412 | 0.0 | 41.863 | 1.978 | 0.0 | 42.558 | 1.361 | 0.0 | 41.424 | 1.905 | 0.0 | 39.939 | 1.408 | 0.0 | 35.907 | 1.864 |
| 198 | 15782 | 15783 | NS | 1 | 0.0 | 40.247 | 0.87 | 0.0 | 49.417 | 1.33 | 0.0 | 39.891 | 0.916 | 0.0 | 41.183 | 1.468 | 0.0 | 39.843 | 0.877 | 0.0 | 49.166 | 1.262 | 0.0 | 39.426 | 0.822 | 0.0 | 40.295 | 1.211 |
| 199 | 15782 | 15783 | NS | 1 | 0.0 | 40.247 | 0.87 | 0.0 | 49.417 | 1.33 | 0.0 | 39.891 | 0.916 | 0.0 | 41.183 | 1.468 | 0.0 | 39.843 | 0.877 | 0.0 | 49.166 | 1.262 | 0.0 | 39.426 | 0.822 | 0.0 | 40.295 | 1.211 |
| 200 | 15782 | 15783 | NS | 1 | 0.0 | 45.835 | 2.821 | 0.0 | 52.85 | 3.867 | 0.0 | 39.608 | 3.158 | 0.0 | 52.634 | 4.573 | 0.0 | 47.102 | 2.902 | 0.0 | 53.203 | 3.664 | 0.0 | 40.984 | 2.881 | 0.0 | 51.776 | 3.905 |
| 201 | 15782 | 15783 | NS | 1 | 0.0 | 45.835 | 2.821 | 0.0 | 52.85 | 3.867 | 0.0 | 39.608 | 3.158 | 0.0 | 52.634 | 4.573 | 0.0 | 47.102 | 2.902 | 0.0 | 53.203 | 3.664 | 0.0 | 40.984 | 2.881 | 0.0 | 51.776 | 3.905 |
| 202 | 15782 | 15783 | SN | 1 | 0.0 | 52.555 | 4.959 | 0.0 | 45.434 | 6.313 | 0.0 | 42.168 | 4.851 | 0.0 | 45.898 | 6.18 | 0.0 | 53.917 | 4.949 | 0.0 | 44.566 | 5.867 | 0.0 | 40.476 | 4.638 | 0.0 | 44.184 | 5.938 |
| 203 | 15783 | 15784 | SN | 1 | 0.0 | 49.04 | 1.009 | 0.0 | 44.855 | 1.266 | 0.0 | 41.755 | 0.923 | 0.0 | 45.083 | 1.126 | 0.0 | 48.579 | 0.98 | 0.0 | 44.194 | 1.13 | 0.0 | 40.419 | 0.828 | 0.0 | 45.819 | 0.888 |
| 204 | 15783 | 15784 | NS | 1 | 0.0 | 41.678 | 1.806 | 0.0 | 45.384 | 2.982 | 0.0 | 35.122 | 2.303 | 0.0 | 48.277 | 3.348 | 0.0 | 41.638 | 1.755 | 0.0 | 45.04 | 2.636 | 0.0 | 35.444 | 2.16 | 0.0 | 44.956 | 2.627 |
| 205 | 15783 | 15784 | NS | 1 | 0.0 | 38.237 | 0.525 | 0.0 | 39.701 | 0.849 | 0.0 | 39.682 | 0.7 | 0.0 | 40.581 | 1.24 | 0.0 | 37.743 | 0.5 | 0.0 | 37.277 | 0.756 | 0.0 | 38.097 | 0.607 | 0.0 | 39.644 | 0.918 |
| 206 | 15783 | 15784 | SN | 1 | 0.0 | 47.193 | 1.041 | 0.0 | 43.024 | 1.279 | 0.0 | 40.278 | 0.934 | 0.0 | 42.235 | 1.138 | 0.0 | 48.838 | 1.021 | 0.0 | 44.602 | 1.123 | 0.0 | 40.599 | 0.849 | 0.0 | 42.782 | 0.918 |
| 207 | 15783 | 15784 | SN | 1 | 0.0 | 49.668 | 4.018 | 0.0 | 51.707 | 4.476 | 0.0 | 45.146 | 3.355 | 0.0 | 46.193 | 3.923 | 0.0 | 50.486 | 4.049 | 0.0 | 55.006 | 4.111 | 0.0 | 44.081 | 3.149 | 0.0 | 45.231 | 3.453 |
| 208 | 15783 | 15784 | NS | 1 | 0.0 | 38.237 | 0.522 | 0.0 | 39.701 | 0.845 | 0.0 | 39.682 | 0.696 | 0.0 | 40.581 | 1.234 | 0.0 | 37.743 | 0.497 | 0.0 | 37.277 | 0.752 | 0.0 | 38.097 | 0.604 | 0.0 | 39.644 | 0.913 |
| 209 | 15783 | 15784 | SN | 1 | 0.0 | 53.566 | 4.068 | 0.0 | 53.461 | 4.466 | 0.0 | 43.964 | 3.312 | 0.0 | 46.432 | 3.973 | 0.0 | 54.386 | 4.109 | 0.0 | 56.763 | 4.111 | 0.0 | 46.42 | 3.092 | 0.0 | 45.493 | 3.489 |
| 210 | 15783 | 15784 | NS | 1 | 0.0 | 41.678 | 1.796 | 0.0 | 45.384 | 2.966 | 0.0 | 35.122 | 2.291 | 0.0 | 48.277 | 3.331 | 0.0 | 41.638 | 1.745 | 0.0 | 45.04 | 2.622 | 0.0 | 35.444 | 2.148 | 0.0 | 44.956 | 2.614 |
| 211 | 15784 | 15785 | SN | 1 | 0.0 | 48.649 | 1.239 | 0.0 | 49.359 | 1.83 | 0.0 | 44.348 | 1.112 | 0.0 | 44.874 | 1.804 | 0.0 | 48.872 | 1.25 | 0.0 | 47.537 | 1.669 | 0.0 | 44.793 | 1.072 | 0.0 | 45.374 | 1.63 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 212 | 15784 | 15785 | NS | 1 | 0.0 | 57.047 | 1.266 | 0.0 | 46.455 | 1.644 | 0.0 | 37.284 | 1.398 | 0.0 | 41.574 | 2.126 | 0.0 | 59.245 | 1.237 | 0.0 | 46.024 | 1.542 | 0.0 | 34.496 | 1.341 | 0.0 | 40.214 | 1.757 |
| 213 | 15784 | 15785 | NS | 1 | 0.0 | 49.481 | 1.264 | 0.0 | 46.478 | 1.653 | 0.0 | 37.352 | 1.396 | 0.0 | 41.586 | 2.122 | 0.0 | 50.404 | 1.233 | 0.0 | 45.362 | 1.56 | 0.0 | 35.858 | 1.339 | 0.0 | 40.201 | 1.761 |
| 214 | 15784 | 15785 | NS | 1 | 0.0 | 49.481 | 4.315 | 0.0 | 48.483 | 5.366 | 0.0 | 43.369 | 4.522 | 0.0 | 43.392 | 6.325 | 0.0 | 50.404 | 4.263 | 0.0 | 51.792 | 5.083 | 0.0 | 42.751 | 4.324 | 0.0 | 42.181 | 5.76 |
| 215 | 15784 | 15785 | SN | 1 | 0.0 | 48.649 | 1.239 | 0.0 | 49.359 | 1.83 | 0.0 | 44.348 | 1.112 | 0.0 | 44.874 | 1.804 | 0.0 | 48.872 | 1.25 | 0.0 | 47.537 | 1.669 | 0.0 | 44.793 | 1.072 | 0.0 | 45.374 | 1.63 |
| 216 | 15784 | 15785 | SN | 1 | 0.0 | 53.344 | 4.754 | 0.0 | 52.861 | 6.91 | 0.0 | 44.048 | 4.19 | 0.0 | 49.634 | 5.941 | 0.0 | 54.15 | 4.896 | 0.0 | 52.389 | 6.596 | 0.0 | 43.78 | 4.069 | 0.0 | 46.382 | 5.543 |
| 217 | 15784 | 15785 | SN | 1 | 0.0 | 53.344 | 4.754 | 0.0 | 52.861 | 6.91 | 0.0 | 44.048 | 4.19 | 0.0 | 49.634 | 5.941 | 0.0 | 54.15 | 4.896 | 0.0 | 52.389 | 6.596 | 0.0 | 43.78 | 4.069 | 0.0 | 46.382 | 5.543 |
| 218 | 15784 | 15785 | NS | 1 | 0.0 | 49.481 | 4.193 | 0.0 | 48.483 | 5.206 | 0.0 | 43.369 | 4.391 | 0.0 | 43.392 | 6.152 | 0.0 | 50.404 | 4.143 | 0.0 | 51.792 | 4.932 | 0.0 | 42.751 | 4.206 | 0.0 | 42.181 | 5.59 |
| 219 | 15784 | 15785 | NS | 1 | 0.0 | 49.459 | 4.173 | 0.0 | 48.336 | 5.278 | 0.0 | 44.006 | 4.405 | 0.0 | 43.392 | 6.152 | 0.0 | 50.383 | 4.143 | 0.0 | 51.645 | 4.933 | 0.0 | 43.393 | 4.22 | 0.0 | 41.985 | 5.561 |
| 220 | 15784 | 15785 | NS | 1 | 0.0 | 49.481 | 1.301 | 0.0 | 46.478 | 1.702 | 0.0 | 37.352 | 1.437 | 0.0 | 41.586 | 2.189 | 0.0 | 50.404 | 1.269 | 0.0 | 45.362 | 1.607 | 0.0 | 35.858 | 1.38 | 0.0 | 40.201 | 1.816 |
| 221 | 15785 | 15786 | NS | 1 | 0.0 | 45.296 | 7.199 | 0.0 | 49.648 | 8.821 | 0.0 | 43.339 | 6.453 | 0.0 | 44.097 | 8.012 | 0.0 | 44.631 | 7.493 | 0.0 | 50.744 | 9.096 | 0.0 | 42.879 | 6.852 | 0.0 | 43.817 | 8.732 |
| 222 | 15785 | 15786 | NS | 1 | 0.0 | 44.617 | 2.06 | 0.0 | 48.946 | 2.941 | 0.0 | 42.932 | 2.192 | 0.0 | 39.939 | 2.806 | 0.0 | 42.532 | 2.165 | 0.0 | 48.252 | 3.009 | 0.0 | 41.863 | 2.325 | 0.0 | 40.735 | 2.95 |
| 223 | 15785 | 15786 | NS | 1 | 0.0 | 45.296 | 7.067 | 0.0 | 49.648 | 8.842 | 0.0 | 43.339 | 6.588 | 0.0 | 44.097 | 7.891 | 0.0 | 44.631 | 7.392 | 0.0 | 50.744 | 9.156 | 0.0 | 42.879 | 6.958 | 0.0 | 42.892 | 8.675 |
| 224 | 15785 | 15786 | SN | 1 | 0.0 | 49.321 | 4.545 | 0.0 | 44.848 | 4.515 | 0.0 | 44.728 | 4.214 | 0.0 | 46.903 | 5.224 | 0.0 | 49.226 | 4.576 | 0.0 | 44.179 | 4.282 | 0.0 | 44.571 | 4.278 | 0.0 | 41.832 | 4.804 |
| 225 | 15785 | 15786 | NS | 1 | 0.0 | 44.617 | 1.924 | 0.0 | 48.946 | 2.734 | 0.0 | 42.932 | 2.04 | 0.0 | 39.939 | 2.612 | 0.0 | 42.532 | 2.021 | 0.0 | 48.252 | 2.797 | 0.0 | 41.863 | 2.168 | 0.0 | 40.735 | 2.745 |
| 226 | 15785 | 15786 | NS | 1 | 0.0 | 43.588 | 1.958 | 0.0 | 48.946 | 2.677 | 0.0 | 42.932 | 2.085 | 0.0 | 39.939 | 2.602 | 0.0 | 41.503 | 2.064 | 0.0 | 48.252 | 2.779 | 0.0 | 41.863 | 2.198 | 0.0 | 40.735 | 2.733 |
| 227 | 15785 | 15786 | SN | 1 | 0.0 | 39.015 | 1.05 | 0.0 | 38.076 | 1.274 | 0.0 | 37.046 | 1.281 | 0.0 | 39.357 | 1.704 | 0.0 | 39.068 | 1.062 | 0.0 | 37.706 | 1.18 | 0.0 | 36.209 | 1.304 | 0.0 | 36.746 | 1.524 |
| 228 | 15785 | 15786 | NS | 1 | 0.0 | 45.296 | 7.715 | 0.0 | 49.648 | 9.46 | 0.0 | 43.339 | 6.931 | 0.0 | 44.097 | 8.585 | 0.0 | 44.631 | 8.042 | 0.0 | 50.744 | 9.754 | 0.0 | 42.879 | 7.374 | 0.0 | 43.817 | 9.355 |
| 229 | 15785 | 15786 | SN | 1 | 0.0 | 39.015 | 1.05 | 0.0 | 40.151 | 1.268 | 0.0 | 37.046 | 1.262 | 0.0 | 39.357 | 1.697 | 0.0 | 39.068 | 1.055 | 0.0 | 37.769 | 1.173 | 0.0 | 36.209 | 1.281 | 0.0 | 36.746 | 1.517 |
| 230 | 15785 | 15786 | SN | 1 | 0.0 | 48.981 | 4.515 | 0.0 | 46.873 | 4.536 | 0.0 | 39.385 | 4.214 | 0.0 | 46.903 | 5.267 | 0.0 | 49.131 | 4.556 | 0.0 | 47.024 | 4.313 | 0.0 | 37.813 | 4.285 | 0.0 | 41.832 | 4.804 |
| 231 | 15786 | 15787 | SN | 1 | 0.0 | 48.797 | 2.643 | 0.0 | 43.369 | 4.287 | 0.0 | 43.437 | 3.017 | 0.0 | 44.034 | 4.639 | 0.0 | 48.246 | 2.632 | 0.0 | 44.031 | 3.909 | 0.0 | 41.841 | 2.877 | 0.0 | 40.856 | 3.976 |
| 232 | 15786 | 15787 | NS | 1 | 0.0 | 43.946 | 1.853 | 0.0 | 38.636 | 2.431 | 0.0 | 41.306 | 1.94 | 0.0 | 43.109 | 2.615 | 0.0 | 45.587 | 1.844 | 0.0 | 39.316 | 2.298 | 0.0 | 42.798 | 1.928 | 0.0 | 42.595 | 2.377 |
| 233 | 15786 | 15787 | NS | 1 | 0.0 | 43.946 | 1.853 | 0.0 | 38.636 | 2.431 | 0.0 | 41.306 | 1.94 | 0.0 | 43.109 | 2.615 | 0.0 | 45.587 | 1.844 | 0.0 | 39.316 | 2.298 | 0.0 | 42.798 | 1.928 | 0.0 | 42.595 | 2.377 |
| 234 | 15786 | 15787 | NS | 1 | 0.0 | 55.93 | 7.287 | 0.0 | 46.071 | 9.259 | 0.0 | 42.73 | 6.915 | 0.0 | 41.412 | 8.796 | 0.0 | 56.361 | 7.425 | 0.0 | 45.663 | 8.719 | 0.0 | 45.027 | 6.931 | 0.0 | 43.963 | 8.328 |
| 235 | 15786 | 15787 | SN | 1 | 0.0 | 44.977 | 0.924 | 0.0 | 42.931 | 1.363 | 0.0 | 37.643 | 0.947 | 0.0 | 38.458 | 1.508 | 0.0 | 44.15 | 0.897 | 0.0 | 41.85 | 1.195 | 0.0 | 36.389 | 0.872 | 0.0 | 39.997 | 1.207 |
| 236 | 15786 | 15787 | SN | 1 | 0.0 | 44.977 | 0.917 | 0.0 | 39.99 | 1.358 | 0.0 | 37.643 | 0.945 | 0.0 | 47.412 | 1.503 | 0.0 | 44.15 | 0.89 | 0.0 | 39.751 | 1.193 | 0.0 | 35.873 | 0.864 | 0.0 | 43.325 | 1.198 |
| 237 | 15786 | 15787 | SN | 1 | 0.0 | 53.433 | 3.421 | 0.0 | 51.121 | 5.043 | 0.0 | 40.983 | 3.277 | 0.0 | 43.904 | 4.804 | 0.0 | 53.36 | 3.432 | 0.0 | 49.702 | 4.658 | 0.0 | 39.926 | 3.114 | 0.0 | 41.545 | 4.149 |
| 238 | 15786 | 15787 | SN | 1 | 0.0 | 45.457 | 3.432 | 0.0 | 49.321 | 5.043 | 0.0 | 38.462 | 3.256 | 0.0 | 48.435 | 4.804 | 0.0 | 46.645 | 3.452 | 0.0 | 47.903 | 4.668 | 0.0 | 38.025 | 3.114 | 0.0 | 46.464 | 4.142 |
| 239 | 15786 | 15787 | SN | 1 | 0.0 | 44.977 | 0.778 | 0.0 | 39.99 | 1.289 | 0.0 | 35.309 | 0.938 | 0.0 | 40.57 | 1.496 | 0.0 | 44.15 | 0.773 | 0.0 | 38.834 | 1.091 | 0.0 | 35.873 | 0.836 | 0.0 | 39.677 | 1.211 |
| 240 | 15786 | 15787 | NS | 1 | 0.0 | 43.946 | 2.107 | 0.0 | 38.636 | 2.762 | 0.0 | 41.306 | 2.207 | 0.0 | 43.109 | 2.969 | 0.0 | 45.587 | 2.097 | 0.0 | 39.316 | 2.613 | 0.0 | 42.798 | 2.186 | 0.0 | 42.595 | 2.697 |
| 241 | 15786 | 15787 | NS | 1 | 0.0 | 55.93 | 6.421 | 0.0 | 46.071 | 8.143 | 0.0 | 42.73 | 6.159 | 0.0 | 41.412 | 7.718 | 0.0 | 56.361 | 6.543 | 0.0 | 45.663 | 7.667 | 0.0 | 45.027 | 6.138 | 0.0 | 43.963 | 7.335 |
| 242 | 15786 | 15787 | NS | 1 | 0.0 | 55.93 | 6.421 | 0.0 | 46.071 | 8.143 | 0.0 | 42.73 | 6.159 | 0.0 | 41.412 | 7.718 | 0.0 | 56.361 | 6.543 | 0.0 | 45.663 | 7.667 | 0.0 | 45.027 | 6.138 | 0.0 | 43.963 | 7.335 |
| 243 | 15787 | 15788 | NS | 1 | 0.0 | 50.189 | 2.334 | 0.0 | 53.325 | 2.867 | 0.0 | 40.791 | 1.829 | 0.0 | 45.049 | 2.469 | 0.0 | 50.44 | 2.39 | 0.0 | 52.03 | 2.838 | 0.0 | 41.586 | 1.876 | 0.0 | 46.98 | 2.361 |
| 244 | 15787 | 15788 | NS | 1 | 0.0 | 51.837 | 7.623 | 0.0 | 51.786 | 8.831 | 0.0 | 48.078 | 6.654 | 0.0 | 49.968 | 8.193 | 0.0 | 52.881 | 7.897 | 0.0 | 54.154 | 8.851 | 0.0 | 50.195 | 6.91 | 0.0 | 51.373 | 7.731 |
| 245 | 15787 | 15788 | NS | 1 | 0.0 | 46.659 | 2.331 | 0.0 | 54.195 | 2.853 | 0.0 | 40.405 | 1.828 | 0.0 | 45.049 | 2.444 | 0.0 | 46.576 | 2.367 | 0.0 | 52.899 | 2.835 | 0.0 | 41.55 | 1.888 | 0.0 | 47.82 | 2.361 |
| 246 | 15787 | 15788 | NS | 1 | 0.0 | 51.883 | 7.653 | 0.0 | 51.752 | 8.922 | 0.0 | 48.228 | 6.697 | 0.0 | 50.618 | 8.158 | 0.0 | 53.125 | 7.856 | 0.0 | 54.119 | 8.902 | 0.0 | 50.349 | 6.874 | 0.0 | 50.533 | 7.788 |

| | | | | | |
|--------------------------|------------|------|--------|--------|------------|
| 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 | 15758 | 15759 | SN | 1 | 0.0 | 30.035 | 13.271 | 0.0 | 45.877 | 12.644 | 0.0 | 148.69 | 10.892 | 0.0 | 235.441 | 12.737 | 0.0 | 1.449 | 0.0 | 1.786 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.14 | 0.0 | |
| 2 | 15758 | 15759 | SN | 1 | 0.0 | 23.356 | 6.121 | 0.0 | 45.877 | 7.598 | 0.0 | 152.429 | 2.744 | 0.0 | 235.455 | 3.678 | 0.0 | 1.437 | 0.0 | 1.783 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.139 | 0.0 | |
| 3 | 15758 | 15759 | SN | 1 | 0.0 | 29.952 | 13.207 | 0.0 | 191.387 | 13.1 | 0.0 | 148.629 | 10.654 | 0.0 | 74.276 | 13.462 | 0.0 | 1.448 | 0.0 | 1.785 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.14 | 0.0 | |
| 4 | 15758 | 15759 | SN | 1 | 0.0 | 23.356 | 6.103 | 0.0 | 45.877 | 7.666 | 0.0 | 152.429 | 2.677 | 0.0 | 235.455 | 3.863 | 0.0 | 1.437 | 0.0 | 1.783 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.139 | 0.0 | |
| 5 | 15758 | 15759 | SN | 1 | 0.0 | 23.356 | 6.1 | 0.0 | 68.317 | 7.657 | 0.0 | 152.346 | 2.681 | 0.0 | 47.76 | 3.868 | 0.0 | 1.437 | 0.0 | 1.783 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.138 | 0.0 | |
| 6 | 15758 | 15759 | SN | 1 | 0.0 | 30.035 | 13.207 | 0.0 | 45.877 | 13.11 | 0.0 | 148.69 | 10.633 | 0.0 | 235.441 | 13.462 | 0.0 | 1.449 | 0.0 | 1.786 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.14 | 0.0 | |
| 7 | 15759 | 15760 | NS | 1 | 0.0 | 122.767 | 5.814 | 0.0 | 24.564 | 6.82 | 0.0 | 356.746 | 2.228 | 0.0 | 65.877 | 2.971 | 0.0 | 1.446 | 0.0 | 1.789 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.148 | 0.0 | |
| 8 | 15759 | 15760 | SN | 1 | 0.0 | 23.378 | 6.121 | 0.0 | 26.83 | 7.673 | 0.0 | 137.075 | 2.741 | 0.0 | 101.975 | 3.906 | 0.0 | 1.435 | 0.0 | 1.784 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.14 | 0.0 | |
| 9 | 15759 | 15760 | SN | 1 | 0.0 | 30.04 | 13.278 | 0.0 | 27.321 | 13.11 | 0.0 | 148.001 | 10.675 | 0.0 | 190.987 | 13.455 | 0.0 | 1.448 | 0.0 | 1.786 | 0.0 | 0.0 | 1.85 | 0.0 | 0.0 | 2.141 | 0.0 | |
| 10 | 15759 | 15760 | SN | 1 | 0.0 | 23.378 | 6.128 | 0.0 | 25.501 | 7.655 | 0.0 | 137.075 | 2.759 | 0.0 | 101.975 | 3.801 | 0.0 | 1.435 | 0.0 | 1.784 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.14 | 0.0 | |
| 11 | 15759 | 15760 | SN | 1 | 0.0 | 23.378 | 6.121 | 0.0 | 26.83 | 7.673 | 0.0 | 137.075 | 2.739 | 0.0 | 101.975 | 3.906 | 0.0 | 1.435 | 0.0 | 1.784 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.14 | 0.0 | |
| 12 | 15759 | 15760 | NS | 1 | 0.0 | 150.265 | 10.068 | 0.0 | 31.204 | 14.047 | 0.0 | 355.257 | 9.861 | 0.0 | 37.188 | 12.181 | 0.0 | 1.405 | 0.0 | 1.792 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.147 | 0.0 | |
| 13 | 15759 | 15760 | SN | 1 | 0.0 | 30.04 | 13.281 | 0.0 | 27.321 | 12.95 | 0.0 | 148.001 | 10.751 | 0.0 | 190.987 | 13.211 | 0.0 | 1.448 | 0.0 | 1.786 | 0.0 | 0.0 | 1.85 | 0.0 | 0.0 | 2.141 | 0.0 | |
| 14 | 15759 | 15760 | SN | 1 | 0.0 | 30.04 | 13.278 | 0.0 | 27.321 | 13.11 | 0.0 | 148.001 | 10.676 | 0.0 | 190.987 | 13.455 | 0.0 | 1.448 | 0.0 | 1.786 | 0.0 | 0.0 | 1.85 | 0.0 | 0.0 | 2.141 | 0.0 | |
| 15 | 15760 | 15761 | NS | 1 | 0.0 | 58.001 | 5.837 | 0.0 | 24.564 | 6.753 | 0.0 | 349.24 | 2.215 | 0.0 | 53.512 | 2.998 | 0.0 | 1.444 | 0.0 | 1.789 | 0.0 | 0.0 | 1.855 | 0.0 | 0.0 | 2.149 | 0.0 | |
| 16 | 15760 | 15761 | NS | 1 | 0.0 | 26.908 | 5.835 | 0.0 | 24.569 | 6.755 | 0.0 | 349.24 | 2.219 | 0.0 | 53.501 | 2.992 | 0.0 | 1.444 | 0.0 | 1.788 | 0.0 | 0.0 | 1.855 | 0.0 | 0.0 | 2.148 | 0.0 | |
| 17 | 15760 | 15761 | SN | 1 | 0.0 | 29.549 | 13.168 | 0.0 | 25.987 | 12.905 | 0.0 | 146.147 | 10.738 | 0.0 | 19.997 | 13.23 | 0.0 | 1.45 | 0.0 | 1.783 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.142 | 0.0 | |
| 18 | 15760 | 15761 | SN | 1 | 0.0 | 23.384 | 6.103 | 0.0 | 26.897 | 7.685 | 0.0 | 139.827 | 2.784 | 0.0 | 70.763 | 3.992 | 0.0 | 1.438 | 0.0 | 1.784 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.141 | 0.0 | |
| 19 | 15760 | 15761 | SN | 1 | 0.0 | 23.384 | 6.104 | 0.0 | 25.689 | 7.673 | 0.0 | 139.827 | 2.801 | 0.0 | 14.278 | 3.893 | 0.0 | 1.438 | 0.0 | 1.784 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.141 | 0.0 | |
| 20 | 15760 | 15761 | NS | 1 | 0.0 | 91.814 | 10.09 | 0.0 | 31.237 | 14.011 | 0.0 | 135.578 | 9.851 | 0.0 | 38.649 | 12.189 | 0.0 | 1.422 | 0.0 | 1.789 | 0.0 | 0.0 | 1.854 | 0.0 | 0.0 | 2.148 | 0.0 | |
| 21 | 15760 | 15761 | NS | 1 | 0.0 | 40.298 | 10.09 | 0.0 | 31.242 | 13.98 | 0.0 | 135.589 | 9.844 | 0.0 | 38.649 | 12.203 | 0.0 | 1.422 | 0.0 | 1.789 | 0.0 | 0.0 | 1.854 | 0.0 | 0.0 | 2.148 | 0.0 | |
| 22 | 15760 | 15761 | SN | 1 | 0.0 | 29.549 | 13.164 | 0.0 | 26.599 | 13.045 | 0.0 | 146.147 | 10.673 | 0.0 | 70.319 | 13.473 | 0.0 | 1.45 | 0.0 | 1.783 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.142 | 0.0 | |
| 23 | 15761 | 15762 | SN | 1 | 0.0 | 29.235 | 13.175 | 0.0 | 122.797 | 13.097 | 0.0 | 160.806 | 10.701 | 0.0 | 75.495 | 13.544 | 0.0 | 1.451 | 0.0 | 1.782 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.143 | 0.0 | |
| 24 | 15761 | 15762 | SN | 1 | 0.0 | 29.235 | 13.198 | 0.0 | 122.797 | 12.9 | 0.0 | 160.806 | 10.797 | 0.0 | 19.589 | 13.205 | 0.0 | 1.451 | 0.0 | 1.782 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.143 | 0.0 | |
| 25 | 15761 | 15762 | NS | 1 | 0.0 | 26.864 | 5.826 | 0.0 | 24.564 | 6.76 | 0.0 | 119.827 | 2.199 | 0.0 | 56.396 | 2.989 | 0.0 | 1.445 | 0.0 | 1.788 | 0.0 | 0.0 | 1.855 | 0.0 | 0.0 | 2.147 | 0.0 | |
| 26 | 15761 | 15762 | NS | 1 | 0.0 | 90.829 | 10.142 | 0.0 | 31.254 | 14.009 | 0.0 | 355.329 | 9.809 | 0.0 | 39.631 | 12.181 | 0.0 | 1.422 | 0.0 | 1.789 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.147 | 0.0 | |
| 27 | 15761 | 15762 | SN | 1 | 0.0 | 23.389 | 6.126 | 0.0 | 122.827 | 7.674 | 0.0 | 163.829 | 2.836 | 0.0 | 14.24 | 3.931 | 0.0 | 1.436 | 0.0 | 1.785 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.141 | 0.0 | |
| 28 | 15761 | 15762 | SN | 1 | 0.0 | 23.389 | 6.111 | 0.0 | 122.827 | 7.692 | 0.0 | 163.829 | 2.807 | 0.0 | 121.498 | 4.048 | 0.0 | 1.436 | 0.0 | 1.785 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.141 | 0.0 | |
| 29 | 15762 | 15763 | SN | 1 | 0.0 | 23.378 | 6.132 | 0.0 | 170.267 | 7.651 | 0.0 | 166.255 | 2.855 | 0.0 | 14.24 | 3.91 | 0.0 | 1.437 | 0.0 | 1.785 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.141 | 0.0 | |
| 30 | 15762 | 15763 | NS | 1 | 0.0 | 270.624 | 10.051 | 0.0 | 31.121 | 14.152 | 0.0 | 322.156 | 9.819 | 0.0 | 36.796 | 12.099 | 0.0 | 1.413 | 0.0 | 1.79 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.145 | 0.0 | |
| 31 | 15762 | 15763 | SN | 1 | 0.0 | 29.753 | 13.189 | 0.0 | 27.294 | 13.159 | 0.0 | 167.513 | 10.662 | 0.0 | 72.015 | 13.534 | 0.0 | 1.45 | 0.0 | 1.788 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.137 | 0.0 | |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 32 | 15762 | 15763 | NS | 1 | 0.0 | 258.154 | 5.818 | 0.0 | 24.569 | 6.742 | 0.0 | 327.798 | 2.209 | 0.0 | 57.571 | 2.986 | 0.0 | 1.445 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.146 | 0.0 |
| 33 | 15762 | 15763 | NS | 1 | 0.0 | 270.624 | 10.03 | 0.0 | 31.116 | 14.152 | 0.0 | 322.173 | 9.826 | 0.0 | 36.802 | 12.107 | 0.0 | 1.413 | 0.0 | 0.0 | 1.79 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.145 | 0.0 |
| 34 | 15762 | 15763 | NS | 1 | 0.0 | 258.154 | 5.818 | 0.0 | 24.569 | 6.744 | 0.0 | 327.809 | 2.211 | 0.0 | 57.577 | 2.986 | 0.0 | 1.445 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.145 | 0.0 |
| 35 | 15762 | 15763 | SN | 1 | 0.0 | 23.378 | 6.108 | 0.0 | 170.267 | 7.688 | 0.0 | 166.255 | 2.81 | 0.0 | 68.469 | 4.053 | 0.0 | 1.437 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.141 | 0.0 |
| 36 | 15762 | 15763 | SN | 1 | 0.0 | 29.753 | 13.237 | 0.0 | 25.987 | 12.817 | 0.0 | 167.513 | 10.813 | 0.0 | 17.791 | 13.026 | 0.0 | 1.45 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.137 | 0.0 |
| 37 | 15763 | 15764 | SN | 1 | 0.0 | 23.378 | 6.118 | 0.0 | 229.421 | 7.689 | 0.0 | 189.038 | 2.819 | 0.0 | 49.37 | 4.021 | 0.0 | 1.436 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.872 | 0.0 | 0.0 | 2.141 | 0.0 |
| 38 | 15763 | 15764 | SN | 1 | 0.0 | 23.378 | 6.118 | 0.0 | 229.421 | 7.689 | 0.0 | 189.038 | 2.819 | 0.0 | 49.37 | 4.021 | 0.0 | 1.436 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.872 | 0.0 | 0.0 | 2.141 | 0.0 |
| 39 | 15763 | 15764 | NS | 1 | 0.0 | 109.183 | 10.078 | 0.0 | 35.048 | 14.073 | 0.0 | 334.427 | 9.817 | 0.0 | 94.522 | 12.201 | 0.0 | 1.424 | 0.0 | 0.0 | 1.79 | 0.0 | 0.0 | 1.85 | 0.0 | 0.0 | 2.148 | 0.0 |
| 40 | 15763 | 15764 | NS | 1 | 0.0 | 91.855 | 10.068 | 0.0 | 35.042 | 14.072 | 0.0 | 334.432 | 9.817 | 0.0 | 94.511 | 12.186 | 0.0 | 1.424 | 0.0 | 0.0 | 1.79 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.148 | 0.0 |
| 41 | 15763 | 15764 | SN | 1 | 0.0 | 30.018 | 13.246 | 0.0 | 124.372 | 13.143 | 0.0 | 145.624 | 10.738 | 0.0 | 64.878 | 13.526 | 0.0 | 1.45 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.141 | 0.0 |
| 42 | 15763 | 15764 | SN | 1 | 0.0 | 30.018 | 13.246 | 0.0 | 124.372 | 13.143 | 0.0 | 145.624 | 10.738 | 0.0 | 64.878 | 13.526 | 0.0 | 1.45 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.141 | 0.0 |
| 43 | 15763 | 15764 | NS | 1 | 0.0 | 154.326 | 5.825 | 0.0 | 24.553 | 6.767 | 0.0 | 306.885 | 2.212 | 0.0 | 70.884 | 2.998 | 0.0 | 1.445 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.147 | 0.0 |
| 44 | 15763 | 15764 | NS | 1 | 0.0 | 154.326 | 5.823 | 0.0 | 24.553 | 6.774 | 0.0 | 306.891 | 2.21 | 0.0 | 70.879 | 2.996 | 0.0 | 1.445 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.147 | 0.0 |
| 45 | 15764 | 15765 | SN | 1 | 0.0 | 29.946 | 13.256 | 0.0 | 96.008 | 12.55 | 0.0 | 140.897 | 10.982 | 0.0 | 260.857 | 12.649 | 0.0 | 1.451 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.14 | 0.0 |
| 46 | 15764 | 15765 | SN | 1 | 0.0 | 29.946 | 13.177 | 0.0 | 96.008 | 13.145 | 0.0 | 140.897 | 10.66 | 0.0 | 260.857 | 13.483 | 0.0 | 1.451 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.14 | 0.0 |
| 47 | 15764 | 15765 | SN | 1 | 0.0 | 29.946 | 13.177 | 0.0 | 96.008 | 13.145 | 0.0 | 140.897 | 10.66 | 0.0 | 260.857 | 13.483 | 0.0 | 1.451 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.14 | 0.0 |
| 48 | 15764 | 15765 | NS | 1 | 0.0 | 80.461 | 5.825 | 0.0 | 24.564 | 6.768 | 0.0 | 356.89 | 2.233 | 0.0 | 70.256 | 3.005 | 0.0 | 1.444 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.859 | 0.0 | 0.0 | 2.147 | 0.0 |
| 49 | 15764 | 15765 | SN | 1 | 0.0 | 23.373 | 6.103 | 0.0 | 125.127 | 7.65 | 0.0 | 134.467 | 2.806 | 0.0 | 180.084 | 4.003 | 0.0 | 1.437 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.141 | 0.0 |
| 50 | 15764 | 15765 | SN | 1 | 0.0 | 23.373 | 6.103 | 0.0 | 125.127 | 7.65 | 0.0 | 134.467 | 2.806 | 0.0 | 180.084 | 4.001 | 0.0 | 1.437 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.141 | 0.0 |
| 51 | 15764 | 15765 | NS | 1 | 0.0 | 104.253 | 10.04 | 0.0 | 31.16 | 14.079 | 0.0 | 357.491 | 9.868 | 0.0 | 37.353 | 12.159 | 0.0 | 1.424 | 0.0 | 0.0 | 1.791 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.146 | 0.0 |
| 52 | 15764 | 15765 | NS | 1 | 0.0 | 82.7 | 10.114 | 0.0 | 31.083 | 14.062 | 0.0 | 357.491 | 9.858 | 0.0 | 93.441 | 12.215 | 0.0 | 1.407 | 0.0 | 0.0 | 1.79 | 0.0 | 0.0 | 1.855 | 0.0 | 0.0 | 2.145 | 0.0 |
| 53 | 15764 | 15765 | SN | 1 | 0.0 | 23.373 | 6.134 | 0.0 | 125.127 | 7.566 | 0.0 | 134.467 | 2.902 | 0.0 | 180.084 | 3.784 | 0.0 | 1.437 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.141 | 0.0 |
| 54 | 15764 | 15765 | NS | 1 | 0.0 | 103.999 | 5.826 | 0.0 | 24.575 | 6.763 | 0.0 | 356.89 | 2.213 | 0.0 | 75.451 | 3.001 | 0.0 | 1.444 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.147 | 0.0 |
| 55 | 15765 | 15766 | NS | 1 | 0.0 | 279.42 | 10.091 | 0.0 | 31.204 | 13.947 | 0.0 | 357.75 | 9.863 | 0.0 | 35.798 | 12.303 | 0.0 | 1.427 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 1.855 | 0.0 | 0.0 | 2.148 | 0.0 |
| 56 | 15765 | 15766 | SN | 1 | 0.0 | 29.522 | 13.227 | 0.0 | 26.599 | 13.09 | 0.0 | 139.061 | 10.659 | 0.0 | 105.014 | 13.514 | 0.0 | 1.452 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.14 | 0.0 |
| 57 | 15765 | 15766 | SN | 1 | 0.0 | 23.367 | 6.1 | 0.0 | 26.864 | 7.655 | 0.0 | 136.265 | 2.754 | 0.0 | 265.517 | 3.936 | 0.0 | 1.437 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.87 | 0.0 | 0.0 | 2.142 | 0.0 |
| 58 | 15765 | 15766 | NS | 1 | 0.0 | 80.891 | 5.857 | 0.0 | 24.569 | 6.774 | 0.0 | 271.396 | 2.24 | 0.0 | 59.374 | 3.015 | 0.0 | 1.444 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.857 | 0.0 | 0.0 | 2.147 | 0.0 |
| 59 | 15765 | 15766 | SN | 1 | 0.0 | 29.522 | 13.347 | 0.0 | 25.606 | 12.415 | 0.0 | 139.061 | 11.013 | 0.0 | 105.014 | 12.519 | 0.0 | 1.452 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.14 | 0.0 |
| 60 | 15765 | 15766 | SN | 1 | 0.0 | 23.367 | 6.163 | 0.0 | 24.294 | 7.577 | 0.0 | 136.265 | 2.866 | 0.0 | 265.517 | 3.671 | 0.0 | 1.437 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.87 | 0.0 | 0.0 | 2.142 | 0.0 |
| 61 | 15766 | 15767 | SN | 1 | 0.0 | 23.384 | 6.113 | 0.0 | 26.853 | 7.64 | 0.0 | 158.269 | 2.651 | 0.0 | 67.228 | 3.9 | 0.0 | 1.438 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.14 | 0.0 |
| 62 | 15766 | 15767 | SN | 1 | 0.0 | 29.709 | 13.098 | 0.0 | 27.288 | 13.212 | 0.0 | 156.301 | 10.543 | 0.0 | 66.704 | 13.435 | 0.0 | 1.45 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.137 | 0.0 |
| 63 | 15766 | 15767 | NS | 1 | 0.0 | 26.797 | 5.844 | 0.0 | 24.564 | 6.778 | 0.0 | 351.187 | 2.222 | 0.0 | 54.163 | 2.995 | 0.0 | 1.446 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.859 | 0.0 | 0.0 | 2.146 | 0.0 |
| 64 | 15766 | 15767 | NS | 1 | 0.0 | 269.124 | 10.061 | 0.0 | 31.099 | 14.186 | 0.0 | 353.073 | 9.833 | 0.0 | 35.787 | 12.192 | 0.0 | 1.41 | 0.0 | 0.0 | 1.791 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.145 | 0.0 |
| 65 | 15766 | 15767 | NS | 1 | 0.0 | 210.102 | 10.061 | 0.0 | 31.105 | 14.206 | 0.0 | 353.079 | 9.841 | 0.0 | 35.792 | 12.199 | 0.0 | 1.411 | 0.0 | 0.0 | 1.791 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.145 | 0.0 |
| 66 | 15766 | 15767 | NS | 1 | 0.0 | 219.315 | 5.845 | 0.0 | 24.558 | 6.771 | 0.0 | 351.187 | 2.223 | 0.0 | 50.528 | 2.993 | 0.0 | 1.445 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.858 | 0.0 | 0.0 | 2.146 | 0.0 |
| 67 | 15767 | 15768 | NS | 1 | 0.0 | 43.56 | 10.097 | 0.0 | 31.408 | 14.147 | 0.0 | 196.205 | 9.846 | 0.0 | 78.66 | 12.314 | 0.0 | 1.405 | 0.0 | 0.0 | 1.791 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.143 | 0.0 |
| 68 | 15767 | 15768 | NS | 1 | 0.0 | 54.204 | 5.816 | 0.0 | 24.564 | 6.792 | 0.0 | 141.948 | 2.239 | 0.0 | 66.577 | 2.993 | 0.0 | 1.446 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.147 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 69 | 15767 | 15768 | NS | 1 | 0.0 | 54.204 | 5.816 | 0.0 | 24.564 | 6.792 | 0.0 | 141.948 | 2.239 | 0.0 | 66.577 | 2.993 | 0.0 | 1.446 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.147 | 0.0 |
| 70 | 15767 | 15768 | SN | 1 | 0.0 | 23.389 | 6.1 | 0.0 | 45.38 | 7.635 | 0.0 | 155.209 | 2.716 | 0.0 | 58.418 | 3.929 | 0.0 | 1.437 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.14 | 0.0 |
| 71 | 15767 | 15768 | NS | 1 | 0.0 | 43.56 | 10.097 | 0.0 | 31.408 | 14.147 | 0.0 | 196.205 | 9.846 | 0.0 | 78.66 | 12.314 | 0.0 | 1.405 | 0.0 | 0.0 | 1.791 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.143 | 0.0 |
| 72 | 15767 | 15768 | SN | 1 | 0.0 | 30.007 | 13.207 | 0.0 | 35.001 | 13.153 | 0.0 | 157.238 | 10.626 | 0.0 | 73.228 | 13.482 | 0.0 | 1.45 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.14 | 0.0 |
| 73 | 15768 | 15769 | NS | 1 | 0.0 | 26.875 | 5.839 | 0.0 | 24.564 | 6.781 | 0.0 | 169.302 | 2.232 | 0.0 | 63.428 | 2.98 | 0.0 | 1.445 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.147 | 0.0 |
| 74 | 15768 | 15769 | SN | 1 | 0.0 | 23.384 | 6.107 | 0.0 | 26.847 | 7.666 | 0.0 | 149.159 | 2.762 | 0.0 | 262.357 | 3.941 | 0.0 | 1.438 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.87 | 0.0 | 0.0 | 2.14 | 0.0 |
| 75 | 15768 | 15769 | NS | 1 | 0.0 | 24.58 | 10.056 | 0.0 | 31.364 | 14.147 | 0.0 | 356.967 | 9.81 | 0.0 | 77.949 | 12.301 | 0.0 | 1.413 | 0.0 | 0.0 | 1.79 | 0.0 | 0.0 | 1.85 | 0.0 | 0.0 | 2.145 | 0.0 |
| 76 | 15768 | 15769 | SN | 1 | 0.0 | 29.875 | 13.168 | 0.0 | 27.343 | 13.155 | 0.0 | 146.103 | 10.626 | 0.0 | 120.859 | 13.54 | 0.0 | 1.449 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.138 | 0.0 |
| 77 | 15768 | 15769 | SN | 1 | 0.0 | 29.875 | 13.168 | 0.0 | 27.343 | 13.155 | 0.0 | 146.103 | 10.626 | 0.0 | 120.859 | 13.54 | 0.0 | 1.449 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.138 | 0.0 |
| 78 | 15768 | 15769 | SN | 1 | 0.0 | 23.384 | 6.107 | 0.0 | 26.847 | 7.666 | 0.0 | 149.159 | 2.762 | 0.0 | 262.357 | 3.941 | 0.0 | 1.438 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.87 | 0.0 | 0.0 | 2.14 | 0.0 |
| 79 | 15768 | 15769 | NS | 1 | 0.0 | 26.875 | 5.839 | 0.0 | 24.564 | 6.779 | 0.0 | 169.302 | 2.232 | 0.0 | 63.417 | 2.98 | 0.0 | 1.445 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.147 | 0.0 |
| 80 | 15768 | 15769 | NS | 1 | 0.0 | 24.58 | 10.056 | 0.0 | 31.364 | 14.147 | 0.0 | 356.967 | 9.81 | 0.0 | 77.955 | 12.301 | 0.0 | 1.413 | 0.0 | 0.0 | 1.79 | 0.0 | 0.0 | 1.85 | 0.0 | 0.0 | 2.145 | 0.0 |
| 81 | 15769 | 15770 | SN | 1 | 0.0 | 23.373 | 6.096 | 0.0 | 231.478 | 7.65 | 0.0 | 133.474 | 2.757 | 0.0 | 73.962 | 3.969 | 0.0 | 1.437 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.87 | 0.0 | 0.0 | 2.142 | 0.0 |
| 82 | 15769 | 15770 | NS | 1 | 0.0 | 219.649 | 10.094 | 0.0 | 31.072 | 14.065 | 0.0 | 136.168 | 9.863 | 0.0 | 75.147 | 12.251 | 0.0 | 1.425 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.854 | 0.0 | 0.0 | 2.148 | 0.0 |
| 83 | 15769 | 15770 | NS | 1 | 0.0 | 219.649 | 10.094 | 0.0 | 31.072 | 14.065 | 0.0 | 136.168 | 9.863 | 0.0 | 75.147 | 12.251 | 0.0 | 1.425 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.854 | 0.0 | 0.0 | 2.148 | 0.0 |
| 84 | 15769 | 15770 | NS | 1 | 0.0 | 219.649 | 10.112 | 0.0 | 29.825 | 13.854 | 0.0 | 136.168 | 9.993 | 0.0 | 17.416 | 11.975 | 0.0 | 1.425 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.854 | 0.0 | 0.0 | 2.148 | 0.0 |
| 85 | 15769 | 15770 | SN | 1 | 0.0 | 23.373 | 6.096 | 0.0 | 231.478 | 7.65 | 0.0 | 133.474 | 2.757 | 0.0 | 73.962 | 3.969 | 0.0 | 1.437 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.87 | 0.0 | 0.0 | 2.142 | 0.0 |
| 86 | 15769 | 15770 | NS | 1 | 0.0 | 120.004 | 5.851 | 0.0 | 24.564 | 6.788 | 0.0 | 185.224 | 2.231 | 0.0 | 65.524 | 3.001 | 0.0 | 1.446 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.859 | 0.0 | 0.0 | 2.147 | 0.0 |
| 87 | 15769 | 15770 | NS | 1 | 0.0 | 120.004 | 5.851 | 0.0 | 24.564 | 6.788 | 0.0 | 185.224 | 2.231 | 0.0 | 65.524 | 3.001 | 0.0 | 1.446 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.859 | 0.0 | 0.0 | 2.147 | 0.0 |
| 88 | 15769 | 15770 | SN | 1 | 0.0 | 30.013 | 13.168 | 0.0 | 277.181 | 13.155 | 0.0 | 145.541 | 10.668 | 0.0 | 63.18 | 13.54 | 0.0 | 1.45 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.855 | 0.0 | 0.0 | 2.138 | 0.0 |
| 89 | 15769 | 15770 | SN | 1 | 0.0 | 30.013 | 13.168 | 0.0 | 277.181 | 13.155 | 0.0 | 145.541 | 10.668 | 0.0 | 63.18 | 13.54 | 0.0 | 1.45 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.855 | 0.0 | 0.0 | 2.138 | 0.0 |
| 90 | 15769 | 15770 | NS | 1 | 0.0 | 120.004 | 5.917 | 0.0 | 24.564 | 6.812 | 0.0 | 185.224 | 2.27 | 0.0 | 12.861 | 2.913 | 0.0 | 1.446 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.859 | 0.0 | 0.0 | 2.147 | 0.0 |
| 91 | 15770 | 15771 | NS | 1 | 0.0 | 68.254 | 10.132 | 0.0 | 30.41 | 14.01 | 0.0 | 357.695 | 9.87 | 0.0 | 36.211 | 12.204 | 0.0 | 1.424 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.854 | 0.0 | 0.0 | 2.147 | 0.0 |
| 92 | 15770 | 15771 | NS | 1 | 0.0 | 68.254 | 10.132 | 0.0 | 30.41 | 14.01 | 0.0 | 357.695 | 9.87 | 0.0 | 36.211 | 12.204 | 0.0 | 1.424 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.854 | 0.0 | 0.0 | 2.147 | 0.0 |
| 93 | 15770 | 15771 | SN | 1 | 0.0 | 29.599 | 13.187 | 0.0 | 26.599 | 13.049 | 0.0 | 141.923 | 10.629 | 0.0 | 211.917 | 13.528 | 0.0 | 1.451 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.14 | 0.0 |
| 94 | 15770 | 15771 | NS | 1 | 0.0 | 158.038 | 6.058 | 0.0 | 24.558 | 6.872 | 0.0 | 224.483 | 2.334 | 0.0 | 12.855 | 2.992 | 0.0 | 1.445 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.858 | 0.0 | 0.0 | 2.147 | 0.0 |
| 95 | 15770 | 15771 | NS | 1 | 0.0 | 158.038 | 5.859 | 0.0 | 24.558 | 6.806 | 0.0 | 224.483 | 2.222 | 0.0 | 59.496 | 3.008 | 0.0 | 1.445 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.858 | 0.0 | 0.0 | 2.147 | 0.0 |
| 96 | 15770 | 15771 | NS | 1 | 0.0 | 158.038 | 5.859 | 0.0 | 24.558 | 6.806 | 0.0 | 224.483 | 2.222 | 0.0 | 59.496 | 3.008 | 0.0 | 1.445 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.858 | 0.0 | 0.0 | 2.147 | 0.0 |
| 97 | 15770 | 15771 | SN | 1 | 0.0 | 23.373 | 6.11 | 0.0 | 26.853 | 7.672 | 0.0 | 140.875 | 2.757 | 0.0 | 203.97 | 3.968 | 0.0 | 1.439 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.139 | 0.0 |
| 98 | 15770 | 15771 | NS | 1 | 0.0 | 68.254 | 10.2 | 0.0 | 29.82 | 13.557 | 0.0 | 357.695 | 10.24 | 0.0 | 13.859 | 11.719 | 0.0 | 1.424 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.854 | 0.0 | 0.0 | 2.147 | 0.0 |
| 99 | 15771 | 15772 | NS | 1 | 0.0 | 155.826 | 5.847 | 0.0 | 24.558 | 6.796 | 0.0 | 356.393 | 2.214 | 0.0 | 56.016 | 2.998 | 0.0 | 1.445 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.148 | 0.0 |
| 100 | 15771 | 15772 | SN | 1 | 0.0 | 23.395 | 6.109 | 0.0 | 26.825 | 7.652 | 0.0 | 154.53 | 2.754 | 0.0 | 67.752 | 3.959 | 0.0 | 1.438 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.863 | 0.0 | 0.0 | 2.138 | 0.0 |
| 101 | 15771 | 15772 | SN | 1 | 0.0 | 23.395 | 6.109 | 0.0 | 26.825 | 7.652 | 0.0 | 154.53 | 2.754 | 0.0 | 67.752 | 3.959 | 0.0 | 1.438 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.863 | 0.0 | 0.0 | 2.138 | 0.0 |
| 102 | 15771 | 15772 | NS | 1 | 0.0 | 269.212 | 10.122 | 0.0 | 31.077 | 14.135 | 0.0 | 351.755 | 9.855 | 0.0 | 36.063 | 12.171 | 0.0 | 1.415 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.854 | 0.0 | 0.0 | 2.144 | 0.0 |
| 103 | 15771 | 15772 | NS | 1 | 0.0 | 269.212 | 10.123 | 0.0 | 31.072 | 14.135 | 0.0 | 351.755 | 9.855 | 0.0 | 36.057 | 12.171 | 0.0 | 1.415 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.854 | 0.0 | 0.0 | 2.144 | 0.0 |
| 104 | 15771 | 15772 | NS | 1 | 0.0 | 155.826 | 6.014 | 0.0 | 24.558 | 6.857 | 0.0 | 356.393 | 2.308 | 0.0 | 12.861 | 2.98 | 0.0 | 1.445 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.148 | 0.0 |
| 105 | 15771 | 15772 | SN | 1 | 0.0 | 29.957 | 13.112 | 0.0 | 27.228 | 13.151 | 0.0 | 155.92 | 10.6 | 0.0 | 71.359 | 13.465 | 0.0 | 1.452 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.85 | 0.0 | 0.0 | 2.138 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 106 | 15771 | 15772 | NS | 1 | 0.0 | 269.212 | 10.186 | 0.0 | 29.82 | 13.703 | 0.0 | 351.755 | 10.175 | 0.0 | 13.865 | 11.718 | 0.0 | 1.415 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.854 | 0.0 | 0.0 | 2.144 | 0.0 |
| 107 | 15771 | 15772 | SN | 1 | 0.0 | 29.957 | 13.112 | 0.0 | 27.228 | 13.151 | 0.0 | 155.92 | 10.6 | 0.0 | 71.359 | 13.465 | 0.0 | 1.452 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.85 | 0.0 | 0.0 | 2.138 | 0.0 |
| 108 | 15771 | 15772 | NS | 1 | 0.0 | 155.826 | 5.849 | 0.0 | 24.558 | 6.796 | 0.0 | 356.393 | 2.214 | 0.0 | 55.994 | 2.998 | 0.0 | 1.445 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.148 | 0.0 |
| 109 | 15772 | 15773 | NS | 1 | 0.0 | 58.048 | 10.407 | 0.0 | 29.825 | 13.592 | 0.0 | 355.13 | 11.506 | 0.0 | 14.03 | 11.978 | 0.0 | 1.424 | 0.0 | 0.0 | 1.791 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.148 | 0.0 |
| 110 | 15772 | 15773 | SN | 1 | 0.0 | 120.266 | 6.206 | 0.0 | 24.288 | 7.591 | 0.0 | 138.482 | 2.894 | 0.0 | 120.329 | 3.656 | 0.0 | 1.438 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.884 | 0.0 | 0.0 | 2.139 | 0.0 |
| 111 | 15772 | 15773 | NS | 1 | 0.0 | 205.729 | 6.586 | 0.0 | 24.558 | 7.228 | 0.0 | 355.13 | 2.624 | 0.0 | 12.872 | 3.342 | 0.0 | 1.445 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.148 | 0.0 |
| 112 | 15772 | 15773 | SN | 1 | 0.0 | 99.077 | 13.281 | 0.0 | 126.147 | 13.313 | 0.0 | 147.747 | 10.768 | 0.0 | 74.298 | 13.593 | 0.0 | 1.45 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.137 | 0.0 |
| 113 | 15772 | 15773 | SN | 1 | 0.0 | 120.266 | 6.154 | 0.0 | 278.389 | 7.727 | 0.0 | 138.482 | 2.784 | 0.0 | 120.329 | 3.973 | 0.0 | 1.438 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.884 | 0.0 | 0.0 | 2.139 | 0.0 |
| 114 | 15772 | 15773 | NS | 1 | 0.0 | 58.048 | 10.072 | 0.0 | 31.149 | 14.091 | 0.0 | 355.13 | 9.908 | 0.0 | 70.388 | 12.275 | 0.0 | 1.424 | 0.0 | 0.0 | 1.791 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.148 | 0.0 |
| 115 | 15772 | 15773 | NS | 1 | 0.0 | 58.048 | 10.072 | 0.0 | 31.149 | 14.091 | 0.0 | 355.13 | 9.908 | 0.0 | 70.388 | 12.275 | 0.0 | 1.424 | 0.0 | 0.0 | 1.791 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.148 | 0.0 |
| 116 | 15772 | 15773 | NS | 1 | 0.0 | 205.729 | 5.861 | 0.0 | 24.558 | 6.795 | 0.0 | 355.13 | 2.233 | 0.0 | 62.22 | 2.998 | 0.0 | 1.445 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.148 | 0.0 |
| 117 | 15772 | 15773 | NS | 1 | 0.0 | 205.729 | 5.861 | 0.0 | 24.558 | 6.795 | 0.0 | 355.13 | 2.233 | 0.0 | 62.22 | 2.998 | 0.0 | 1.445 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.148 | 0.0 |
| 118 | 15772 | 15773 | SN | 1 | 0.0 | 99.077 | 13.377 | 0.0 | 25.75 | 12.561 | 0.0 | 147.747 | 11.12 | 0.0 | 64.335 | 12.574 | 0.0 | 1.45 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.137 | 0.0 |
| 119 | 15773 | 15774 | SN | 1 | 0.0 | 23.373 | 6.118 | 0.0 | 236.993 | 7.634 | 0.0 | 130.788 | 2.803 | 0.0 | 14.234 | 3.804 | 0.0 | 1.435 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.141 | 0.0 |
| 120 | 15773 | 15774 | SN | 1 | 0.0 | 23.373 | 6.11 | 0.0 | 236.993 | 7.662 | 0.0 | 130.788 | 2.769 | 0.0 | 57.924 | 3.954 | 0.0 | 1.435 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.141 | 0.0 |
| 121 | 15773 | 15774 | SN | 1 | 0.0 | 23.373 | 6.11 | 0.0 | 236.993 | 7.662 | 0.0 | 130.788 | 2.769 | 0.0 | 57.924 | 3.952 | 0.0 | 1.435 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.141 | 0.0 |
| 122 | 15773 | 15774 | SN | 1 | 0.0 | 29.969 | 13.27 | 0.0 | 181.595 | 12.858 | 0.0 | 142.099 | 10.802 | 0.0 | 18.701 | 13.103 | 0.0 | 1.448 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.141 | 0.0 |
| 123 | 15773 | 15774 | NS | 1 | 0.0 | 219.186 | 5.842 | 0.0 | 24.558 | 6.778 | 0.0 | 139.383 | 2.232 | 0.0 | 65.926 | 2.987 | 0.0 | 1.445 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.855 | 0.0 | 0.0 | 2.147 | 0.0 |
| 124 | 15773 | 15774 | NS | 1 | 0.0 | 213.042 | 10.148 | 0.0 | 31.154 | 14.068 | 0.0 | 355.594 | 9.846 | 0.0 | 37.248 | 12.257 | 0.0 | 1.409 | 0.0 | 0.0 | 1.79 | 0.0 | 0.0 | 1.85 | 0.0 | 0.0 | 2.147 | 0.0 |
| 125 | 15773 | 15774 | SN | 1 | 0.0 | 29.969 | 13.248 | 0.0 | 181.595 | 13.184 | 0.0 | 142.099 | 10.675 | 0.0 | 56.595 | 13.541 | 0.0 | 1.448 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.141 | 0.0 |
| 126 | 15773 | 15774 | SN | 1 | 0.0 | 29.969 | 13.248 | 0.0 | 181.595 | 13.184 | 0.0 | 142.099 | 10.675 | 0.0 | 56.6 | 13.541 | 0.0 | 1.448 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.141 | 0.0 |
| 127 | 15774 | 15775 | NS | 1 | 0.0 | 155.465 | 10.183 | 0.0 | 30.393 | 14.008 | 0.0 | 259.484 | 9.821 | 0.0 | 35.401 | 12.175 | 0.0 | 1.423 | 0.0 | 0.0 | 1.79 | 0.0 | 0.0 | 1.855 | 0.0 | 0.0 | 2.148 | 0.0 |
| 128 | 15774 | 15775 | SN | 1 | 0.0 | 23.367 | 6.107 | 0.0 | 25.705 | 7.658 | 0.0 | 155.435 | 2.822 | 0.0 | 86.77 | 3.863 | 0.0 | 1.437 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.14 | 0.0 |
| 129 | 15774 | 15775 | SN | 1 | 0.0 | 23.367 | 6.107 | 0.0 | 25.705 | 7.658 | 0.0 | 155.435 | 2.822 | 0.0 | 86.77 | 3.863 | 0.0 | 1.437 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.14 | 0.0 |
| 130 | 15774 | 15775 | NS | 1 | 0.0 | 239.974 | 5.853 | 0.0 | 24.553 | 6.772 | 0.0 | 349.053 | 2.244 | 0.0 | 58.525 | 2.975 | 0.0 | 1.443 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.145 | 0.0 |
| 131 | 15774 | 15775 | NS | 1 | 0.0 | 239.974 | 5.858 | 0.0 | 24.553 | 6.777 | 0.0 | 349.064 | 2.24 | 0.0 | 58.531 | 2.98 | 0.0 | 1.443 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.145 | 0.0 |
| 132 | 15774 | 15775 | SN | 1 | 0.0 | 23.367 | 6.101 | 0.0 | 26.869 | 7.668 | 0.0 | 155.435 | 2.805 | 0.0 | 86.77 | 3.954 | 0.0 | 1.437 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.14 | 0.0 |
| 133 | 15774 | 15775 | SN | 1 | 0.0 | 29.588 | 13.197 | 0.0 | 26.643 | 13.097 | 0.0 | 153.052 | 10.65 | 0.0 | 196.37 | 13.514 | 0.0 | 1.449 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.141 | 0.0 |
| 134 | 15774 | 15775 | NS | 1 | 0.0 | 155.471 | 10.183 | 0.0 | 30.393 | 14.009 | 0.0 | 259.478 | 9.842 | 0.0 | 35.395 | 12.168 | 0.0 | 1.423 | 0.0 | 0.0 | 1.79 | 0.0 | 0.0 | 1.855 | 0.0 | 0.0 | 2.148 | 0.0 |
| 135 | 15774 | 15775 | SN | 1 | 0.0 | 29.588 | 13.187 | 0.0 | 26.643 | 12.986 | 0.0 | 153.052 | 10.716 | 0.0 | 196.37 | 13.323 | 0.0 | 1.449 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.141 | 0.0 |
| 136 | 15774 | 15775 | SN | 1 | 0.0 | 29.588 | 13.187 | 0.0 | 26.643 | 12.986 | 0.0 | 153.052 | 10.716 | 0.0 | 196.37 | 13.323 | 0.0 | 1.449 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.141 | 0.0 |
| 137 | 15775 | 15776 | SN | 1 | 0.0 | 23.384 | 6.108 | 0.0 | 170.245 | 7.659 | 0.0 | 153.146 | 2.842 | 0.0 | 70.245 | 4.039 | 0.0 | 1.435 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.141 | 0.0 |
| 138 | 15775 | 15776 | NS | 1 | 0.0 | 155.49 | 5.835 | 0.0 | 24.558 | 6.761 | 0.0 | 125.078 | 2.212 | 0.0 | 60.659 | 2.962 | 0.0 | 1.444 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.858 | 0.0 | 0.0 | 2.145 | 0.0 |
| 139 | 15775 | 15776 | NS | 1 | 0.0 | 155.49 | 5.835 | 0.0 | 24.558 | 6.761 | 0.0 | 125.078 | 2.212 | 0.0 | 60.659 | 2.962 | 0.0 | 1.444 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.858 | 0.0 | 0.0 | 2.145 | 0.0 |
| 140 | 15775 | 15776 | SN | 1 | 0.0 | 29.654 | 13.272 | 0.0 | 170.273 | 12.939 | 0.0 | 149.65 | 10.8 | 0.0 | 207.529 | 13.262 | 0.0 | 1.448 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.141 | 0.0 |
| 141 | 15775 | 15776 | SN | 1 | 0.0 | 29.654 | 13.259 | 0.0 | 170.273 | 13.138 | 0.0 | 149.65 | 10.716 | 0.0 | 207.529 | 13.542 | 0.0 | 1.448 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.141 | 0.0 |
| 142 | 15775 | 15776 | SN | 1 | 0.0 | 29.654 | 13.259 | 0.0 | 170.273 | 13.138 | 0.0 | 149.65 | 10.716 | 0.0 | 207.529 | 13.534 | 0.0 | 1.448 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.141 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 143 | 15775 | 15776 | NS | 1 | 0.0 | 25.981 | 10.142 | 0.0 | 31.22 | 13.955 | 0.0 | 352.99 | 9.814 | 0.0 | 35.781 | 12.175 | 0.0 | 1.422 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.147 | 0.0 |
| 144 | 15775 | 15776 | SN | 1 | 0.0 | 23.384 | 6.107 | 0.0 | 170.245 | 7.659 | 0.0 | 153.146 | 2.842 | 0.0 | 70.245 | 4.039 | 0.0 | 1.435 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.141 | 0.0 |
| 145 | 15775 | 15776 | SN | 1 | 0.0 | 23.384 | 6.119 | 0.0 | 170.245 | 7.645 | 0.0 | 153.146 | 2.865 | 0.0 | 14.24 | 3.936 | 0.0 | 1.435 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.141 | 0.0 |
| 146 | 15775 | 15776 | NS | 1 | 0.0 | 25.981 | 10.142 | 0.0 | 31.22 | 13.955 | 0.0 | 352.99 | 9.814 | 0.0 | 35.781 | 12.175 | 0.0 | 1.422 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.147 | 0.0 |
| 147 | 15776 | 15777 | SN | 1 | 0.0 | 23.384 | 6.102 | 0.0 | 26.748 | 7.688 | 0.0 | 167.992 | 2.851 | 0.0 | 58.244 | 4.085 | 0.0 | 1.438 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.141 | 0.0 |
| 148 | 15776 | 15777 | SN | 1 | 0.0 | 23.384 | 6.102 | 0.0 | 26.748 | 7.688 | 0.0 | 167.992 | 2.851 | 0.0 | 58.244 | 4.085 | 0.0 | 1.438 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.141 | 0.0 |
| 149 | 15776 | 15777 | SN | 1 | 0.0 | 29.787 | 13.16 | 0.0 | 29.072 | 12.897 | 0.0 | 167.303 | 10.776 | 0.0 | 125.453 | 13.127 | 0.0 | 1.448 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.14 | 0.0 |
| 150 | 15776 | 15777 | NS | 1 | 0.0 | 157.784 | 5.831 | 0.0 | 24.558 | 6.752 | 0.0 | 356.437 | 2.202 | 0.0 | 57.362 | 2.951 | 0.0 | 1.446 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.146 | 0.0 |
| 151 | 15776 | 15777 | SN | 1 | 0.0 | 29.787 | 13.134 | 0.0 | 29.072 | 13.151 | 0.0 | 167.303 | 10.65 | 0.0 | 125.453 | 13.551 | 0.0 | 1.448 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.14 | 0.0 |
| 152 | 15776 | 15777 | SN | 1 | 0.0 | 29.787 | 13.134 | 0.0 | 29.072 | 13.151 | 0.0 | 167.303 | 10.65 | 0.0 | 125.453 | 13.551 | 0.0 | 1.448 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.14 | 0.0 |
| 153 | 15776 | 15777 | NS | 1 | 0.0 | 53.595 | 5.829 | 0.0 | 24.558 | 6.745 | 0.0 | 356.432 | 2.204 | 0.0 | 57.345 | 2.947 | 0.0 | 1.446 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.147 | 0.0 |
| 154 | 15776 | 15777 | NS | 1 | 0.0 | 40.323 | 10.061 | 0.0 | 31.083 | 14.116 | 0.0 | 240.945 | 9.784 | 0.0 | 36.151 | 12.15 | 0.0 | 1.421 | 0.0 | 0.0 | 1.79 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.144 | 0.0 |
| 155 | 15776 | 15777 | NS | 1 | 0.0 | 158.76 | 10.072 | 0.0 | 31.077 | 14.118 | 0.0 | 141.06 | 9.798 | 0.0 | 36.156 | 12.136 | 0.0 | 1.426 | 0.0 | 0.0 | 1.79 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.144 | 0.0 |
| 156 | 15776 | 15777 | SN | 1 | 0.0 | 23.384 | 6.116 | 0.0 | 24.624 | 7.66 | 0.0 | 167.992 | 2.885 | 0.0 | 58.244 | 3.951 | 0.0 | 1.438 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.141 | 0.0 |
| 157 | 15777 | 15778 | SN | 1 | 0.0 | 30.073 | 13.2 | 0.0 | 25.976 | 12.742 | 0.0 | 145.022 | 10.886 | 0.0 | 16.755 | 12.97 | 0.0 | 1.449 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.143 | 0.0 |
| 158 | 15777 | 15778 | NS | 1 | 0.0 | 42.81 | 10.082 | 0.0 | 31.105 | 14.089 | 0.0 | 139.648 | 9.748 | 0.0 | 37.171 | 12.143 | 0.0 | 1.421 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.853 | 0.0 | 0.0 | 2.144 | 0.0 |
| 159 | 15777 | 15778 | NS | 1 | 0.0 | 96.408 | 5.836 | 0.0 | 24.558 | 6.736 | 0.0 | 331.146 | 2.202 | 0.0 | 68.281 | 2.956 | 0.0 | 1.445 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.146 | 0.0 |
| 160 | 15777 | 15778 | NS | 1 | 0.0 | 68.546 | 5.827 | 0.0 | 24.558 | 6.72 | 0.0 | 324.301 | 2.206 | 0.0 | 74.684 | 2.983 | 0.0 | 1.444 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.146 | 0.0 |
| 161 | 15777 | 15778 | NS | 1 | 0.0 | 47.779 | 10.126 | 0.0 | 31.331 | 14.108 | 0.0 | 329.094 | 9.78 | 0.0 | 80.188 | 12.217 | 0.0 | 1.411 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.144 | 0.0 |
| 162 | 15777 | 15778 | SN | 1 | 0.0 | 23.373 | 6.145 | 0.0 | 24.283 | 7.617 | 0.0 | 187.857 | 2.899 | 0.0 | 14.24 | 3.909 | 0.0 | 1.438 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.141 | 0.0 |
| 163 | 15777 | 15778 | SN | 1 | 0.0 | 23.373 | 6.128 | 0.0 | 26.853 | 7.668 | 0.0 | 187.857 | 2.844 | 0.0 | 50.584 | 4.09 | 0.0 | 1.438 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.141 | 0.0 |
| 164 | 15777 | 15778 | SN | 1 | 0.0 | 30.073 | 13.161 | 0.0 | 26.632 | 13.132 | 0.0 | 145.022 | 10.697 | 0.0 | 71.039 | 13.558 | 0.0 | 1.449 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.143 | 0.0 |
| 165 | 15778 | 15779 | SN | 1 | 0.0 | 29.869 | 13.229 | 0.0 | 25.86 | 12.628 | 0.0 | 145.21 | 10.99 | 0.0 | 99.543 | 12.871 | 0.0 | 1.45 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.136 | 0.0 |
| 166 | 15778 | 15779 | NS | 1 | 0.0 | 24.569 | 10.13 | 0.0 | 31.127 | 14.113 | 0.0 | 333.175 | 9.805 | 0.0 | 37.309 | 12.222 | 0.0 | 1.419 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.85 | 0.0 | 0.0 | 2.144 | 0.0 |
| 167 | 15778 | 15779 | SN | 1 | 0.0 | 29.869 | 13.167 | 0.0 | 27.255 | 13.104 | 0.0 | 145.21 | 10.702 | 0.0 | 99.543 | 13.606 | 0.0 | 1.45 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.136 | 0.0 |
| 168 | 15778 | 15779 | SN | 1 | 0.0 | 29.869 | 13.167 | 0.0 | 27.255 | 13.094 | 0.0 | 145.21 | 10.709 | 0.0 | 99.543 | 13.599 | 0.0 | 1.45 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.136 | 0.0 |
| 169 | 15778 | 15779 | SN | 1 | 0.0 | 23.378 | 6.138 | 0.0 | 24.266 | 7.586 | 0.0 | 135.377 | 2.94 | 0.0 | 14.24 | 3.828 | 0.0 | 1.436 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.141 | 0.0 |
| 170 | 15778 | 15779 | NS | 1 | 0.0 | 26.847 | 5.872 | 0.0 | 24.558 | 6.73 | 0.0 | 339.958 | 2.215 | 0.0 | 75.026 | 2.959 | 0.0 | 1.445 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.146 | 0.0 |
| 171 | 15778 | 15779 | SN | 1 | 0.0 | 23.378 | 6.116 | 0.0 | 26.908 | 7.66 | 0.0 | 135.377 | 2.857 | 0.0 | 74.182 | 4.043 | 0.0 | 1.436 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.141 | 0.0 |
| 172 | 15778 | 15779 | SN | 1 | 0.0 | 23.378 | 6.115 | 0.0 | 26.908 | 7.66 | 0.0 | 135.377 | 2.857 | 0.0 | 74.221 | 4.039 | 0.0 | 1.436 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.866 | 0.0 | 0.0 | 2.141 | 0.0 |
| 173 | 15779 | 15780 | NS | 1 | 0.0 | 26.897 | 5.855 | 0.0 | 24.553 | 6.759 | 0.0 | 310.718 | 2.224 | 0.0 | 59.044 | 2.989 | 0.0 | 1.444 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.857 | 0.0 | 0.0 | 2.145 | 0.0 |
| 174 | 15779 | 15780 | SN | 1 | 0.0 | 29.654 | 13.312 | 0.0 | 25.727 | 12.496 | 0.0 | 144.581 | 11.012 | 0.0 | 211.31 | 12.621 | 0.0 | 1.45 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.142 | 0.0 |
| 175 | 15779 | 15780 | SN | 1 | 0.0 | 23.384 | 6.132 | 0.0 | 26.842 | 7.667 | 0.0 | 144.317 | 2.838 | 0.0 | 142.064 | 4.001 | 0.0 | 1.438 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.14 | 0.0 |
| 176 | 15779 | 15780 | NS | 1 | 0.0 | 25.755 | 10.175 | 0.0 | 30.377 | 14.081 | 0.0 | 357.612 | 9.814 | 0.0 | 36.046 | 12.197 | 0.0 | 1.411 | 0.0 | 0.0 | 1.79 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.146 | 0.0 |
| 177 | 15779 | 15780 | SN | 1 | 0.0 | 23.384 | 6.129 | 0.0 | 26.847 | 7.674 | 0.0 | 144.317 | 2.838 | 0.0 | 142.064 | 4.003 | 0.0 | 1.438 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.14 | 0.0 |
| 178 | 15779 | 15780 | SN | 1 | 0.0 | 29.654 | 13.219 | 0.0 | 27.299 | 13.159 | 0.0 | 144.581 | 10.667 | 0.0 | 211.31 | 13.569 | 0.0 | 1.45 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.142 | 0.0 |
| 179 | 15779 | 15780 | SN | 1 | 0.0 | 23.384 | 6.177 | 0.0 | 24.305 | 7.587 | 0.0 | 144.317 | 2.954 | 0.0 | 142.064 | 3.75 | 0.0 | 1.438 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.14 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 180 | 15779 | 15780 | SN | 1 | 0.0 | 29.654 | 13.219 | 0.0 | 27.299 | 13.159 | 0.0 | 144.581 | 10.667 | 0.0 | 211.31 | 13.562 | 0.0 | 1.45 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.142 | 0.0 |
| 181 | 15780 | 15781 | NS | 1 | 0.0 | 90.818 | 10.142 | 0.0 | 30.487 | 14.106 | 0.0 | 353.117 | 9.814 | 0.0 | 37.281 | 12.176 | 0.0 | 1.426 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.145 | 0.0 |
| 182 | 15780 | 15781 | SN | 1 | 0.0 | 29.814 | 13.325 | 0.0 | 25.237 | 12.367 | 0.0 | 165.064 | 11.042 | 0.0 | 148.456 | 12.426 | 0.0 | 1.45 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.14 | 0.0 |
| 183 | 15780 | 15781 | SN | 1 | 0.0 | 23.389 | 6.089 | 0.0 | 26.773 | 7.655 | 0.0 | 166.222 | 2.768 | 0.0 | 136.54 | 3.927 | 0.0 | 1.437 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.141 | 0.0 |
| 184 | 15780 | 15781 | SN | 1 | 0.0 | 29.814 | 13.177 | 0.0 | 26.676 | 13.111 | 0.0 | 165.064 | 10.644 | 0.0 | 148.456 | 13.508 | 0.0 | 1.45 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.14 | 0.0 |
| 185 | 15780 | 15781 | NS | 1 | 0.0 | 155.548 | 5.845 | 0.0 | 24.558 | 6.761 | 0.0 | 335.254 | 2.223 | 0.0 | 54.119 | 3.0 | 0.0 | 1.447 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.857 | 0.0 | 0.0 | 2.147 | 0.0 |
| 186 | 15780 | 15781 | NS | 1 | 0.0 | 219.55 | 5.848 | 0.0 | 24.558 | 6.763 | 0.0 | 218.4 | 2.226 | 0.0 | 42.769 | 2.989 | 0.0 | 1.453 | 0.0 | 0.0 | 1.791 | 0.0 | 0.0 | 1.858 | 0.0 | 0.0 | 2.152 | 0.0 |
| 187 | 15780 | 15781 | NS | 1 | 0.0 | 90.818 | 10.092 | 0.0 | 31.066 | 14.149 | 0.0 | 351.165 | 9.833 | 0.0 | 35.842 | 12.207 | 0.0 | 1.418 | 0.0 | 0.0 | 1.791 | 0.0 | 0.0 | 1.857 | 0.0 | 0.0 | 2.146 | 0.0 |
| 188 | 15780 | 15781 | SN | 1 | 0.0 | 23.389 | 6.144 | 0.0 | 24.288 | 7.586 | 0.0 | 166.222 | 2.885 | 0.0 | 136.54 | 3.665 | 0.0 | 1.437 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.141 | 0.0 |
| 189 | 15781 | 15782 | SN | 1 | 0.0 | 30.057 | 13.167 | 0.0 | 26.693 | 13.1 | 0.0 | 161.584 | 10.623 | 0.0 | 78.137 | 13.508 | 0.0 | 1.45 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.862 | 0.0 | 0.0 | 2.138 | 0.0 |
| 190 | 15781 | 15782 | SN | 1 | 0.0 | 23.378 | 6.098 | 0.0 | 26.902 | 7.646 | 0.0 | 153.311 | 2.759 | 0.0 | 269.245 | 3.973 | 0.0 | 1.438 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.139 | 0.0 |
| 191 | 15781 | 15782 | SN | 1 | 0.0 | 23.378 | 6.098 | 0.0 | 26.902 | 7.646 | 0.0 | 153.311 | 2.759 | 0.0 | 269.245 | 3.973 | 0.0 | 1.438 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.139 | 0.0 |
| 192 | 15781 | 15782 | SN | 1 | 0.0 | 30.057 | 13.167 | 0.0 | 26.693 | 13.1 | 0.0 | 161.584 | 10.623 | 0.0 | 78.137 | 13.508 | 0.0 | 1.45 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.862 | 0.0 | 0.0 | 2.138 | 0.0 |
| 193 | 15781 | 15782 | NS | 1 | 0.0 | 270.971 | 10.113 | 0.0 | 31.105 | 14.109 | 0.0 | 180.807 | 9.811 | 0.0 | 36.713 | 12.214 | 0.0 | 1.422 | 0.0 | 0.0 | 1.791 | 0.0 | 0.0 | 1.854 | 0.0 | 0.0 | 2.143 | 0.0 |
| 194 | 15781 | 15782 | NS | 1 | 0.0 | 270.971 | 10.113 | 0.0 | 31.105 | 14.109 | 0.0 | 180.807 | 9.811 | 0.0 | 36.713 | 12.214 | 0.0 | 1.422 | 0.0 | 0.0 | 1.791 | 0.0 | 0.0 | 1.854 | 0.0 | 0.0 | 2.143 | 0.0 |
| 195 | 15781 | 15782 | NS | 1 | 0.0 | 79.48 | 5.865 | 0.0 | 24.558 | 6.755 | 0.0 | 356.669 | 2.223 | 0.0 | 66.836 | 2.983 | 0.0 | 1.445 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.857 | 0.0 | 0.0 | 2.147 | 0.0 |
| 196 | 15781 | 15782 | NS | 1 | 0.0 | 79.48 | 5.865 | 0.0 | 24.558 | 6.755 | 0.0 | 356.669 | 2.223 | 0.0 | 66.836 | 2.984 | 0.0 | 1.445 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.857 | 0.0 | 0.0 | 2.147 | 0.0 |
| 197 | 15782 | 15783 | SN | 1 | 0.0 | 23.378 | 6.093 | 0.0 | 26.875 | 7.678 | 0.0 | 132.002 | 2.775 | 0.0 | 60.444 | 4.027 | 0.0 | 1.437 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.141 | 0.0 |
| 198 | 15782 | 15783 | NS | 1 | 0.0 | 26.902 | 5.865 | 0.0 | 24.558 | 6.761 | 0.0 | 149.625 | 2.224 | 0.0 | 63.643 | 2.967 | 0.0 | 1.446 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.855 | 0.0 | 0.0 | 2.145 | 0.0 |
| 199 | 15782 | 15783 | NS | 1 | 0.0 | 26.902 | 5.865 | 0.0 | 24.558 | 6.761 | 0.0 | 149.625 | 2.224 | 0.0 | 63.643 | 2.967 | 0.0 | 1.446 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.855 | 0.0 | 0.0 | 2.145 | 0.0 |
| 200 | 15782 | 15783 | NS | 1 | 0.0 | 24.586 | 10.075 | 0.0 | 31.309 | 14.121 | 0.0 | 356.818 | 9.78 | 0.0 | 71.513 | 12.184 | 0.0 | 1.42 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.145 | 0.0 |
| 201 | 15782 | 15783 | NS | 1 | 0.0 | 24.586 | 10.075 | 0.0 | 31.309 | 14.121 | 0.0 | 356.818 | 9.78 | 0.0 | 71.513 | 12.184 | 0.0 | 1.42 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.848 | 0.0 | 0.0 | 2.145 | 0.0 |
| 202 | 15782 | 15783 | SN | 1 | 0.0 | 29.825 | 13.157 | 0.0 | 27.321 | 13.114 | 0.0 | 144.885 | 10.66 | 0.0 | 72.812 | 13.535 | 0.0 | 1.451 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.139 | 0.0 |
| 203 | 15783 | 15784 | SN | 1 | 0.0 | 23.389 | 6.102 | 0.0 | 96.929 | 7.683 | 0.0 | 120.437 | 2.825 | 0.0 | 88.816 | 4.018 | 0.0 | 1.439 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.862 | 0.0 | 0.0 | 2.141 | 0.0 |
| 204 | 15783 | 15784 | NS | 1 | 0.0 | 42.496 | 10.175 | 0.0 | 30.316 | 14.066 | 0.0 | 164.852 | 9.835 | 0.0 | 27.15 | 12.143 | 0.0 | 1.424 | 0.0 | 0.0 | 1.79 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.146 | 0.0 |
| 205 | 15783 | 15784 | NS | 1 | 0.0 | 263.981 | 5.875 | 0.0 | 24.558 | 6.782 | 0.0 | 263.545 | 2.226 | 0.0 | 15.85 | 2.94 | 0.0 | 1.446 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.858 | 0.0 | 0.0 | 2.145 | 0.0 |
| 206 | 15783 | 15784 | SN | 1 | 0.0 | 23.389 | 6.104 | 0.0 | 77.411 | 7.671 | 0.0 | 120.486 | 2.82 | 0.0 | 207.598 | 4.018 | 0.0 | 1.438 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.861 | 0.0 | 0.0 | 2.141 | 0.0 |
| 207 | 15783 | 15784 | SN | 1 | 0.0 | 30.106 | 13.148 | 0.0 | 33.209 | 13.114 | 0.0 | 145.116 | 10.617 | 0.0 | 62.149 | 13.593 | 0.0 | 1.451 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.137 | 0.0 |
| 208 | 15783 | 15784 | NS | 1 | 0.0 | 263.981 | 5.854 | 0.0 | 24.558 | 6.775 | 0.0 | 263.545 | 2.214 | 0.0 | 59.082 | 2.975 | 0.0 | 1.446 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.858 | 0.0 | 0.0 | 2.145 | 0.0 |
| 209 | 15783 | 15784 | SN | 1 | 0.0 | 30.106 | 13.157 | 0.0 | 82.469 | 13.114 | 0.0 | 145.078 | 10.617 | 0.0 | 62.165 | 13.593 | 0.0 | 1.451 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.137 | 0.0 |
| 210 | 15783 | 15784 | NS | 1 | 0.0 | 42.496 | 10.167 | 0.0 | 31.022 | 14.114 | 0.0 | 164.852 | 9.795 | 0.0 | 73.581 | 12.216 | 0.0 | 1.424 | 0.0 | 0.0 | 1.79 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.146 | 0.0 |
| 211 | 15784 | 15785 | SN | 1 | 0.0 | 23.389 | 6.106 | 0.0 | 26.891 | 7.668 | 0.0 | 143.986 | 2.815 | 0.0 | 69.197 | 4.022 | 0.0 | 1.437 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.867 | 0.0 | 0.0 | 2.142 | 0.0 |
| 212 | 15784 | 15785 | NS | 1 | 0.0 | 26.853 | 5.839 | 0.0 | 24.558 | 6.784 | 0.0 | 132.506 | 2.222 | 0.0 | 59.336 | 2.996 | 0.0 | 1.447 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.859 | 0.0 | 0.0 | 2.145 | 0.0 |
| 213 | 15784 | 15785 | NS | 1 | 0.0 | 26.853 | 5.85 | 0.0 | 24.558 | 6.784 | 0.0 | 132.457 | 2.222 | 0.0 | 59.336 | 3.003 | 0.0 | 1.447 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.86 | 0.0 | 0.0 | 2.146 | 0.0 |
| 214 | 15784 | 15785 | NS | 1 | 0.0 | 26.064 | 10.171 | 0.0 | 29.831 | 13.771 | 0.0 | 352.775 | 10.021 | 0.0 | 14.372 | 11.747 | 0.0 | 1.413 | 0.0 | 0.0 | 1.791 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.147 | 0.0 |
| 215 | 15784 | 15785 | SN | 1 | 0.0 | 23.389 | 6.106 | 0.0 | 26.891 | 7.668 | 0.0 | 143.986 | 2.815 | 0.0 | 69.197 | 4.022 | 0.0 | 1.437 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.867 | 0.0 | 0.0 | 2.142 | 0.0 |
| 216 | 15784 | 15785 | SN | 1 | 0.0 | 29.737 | 13.19 | 0.0 | 27.294 | 13.151 | 0.0 | 149.479 | 10.642 | 0.0 | 70.024 | 13.511 | 0.0 | 1.451 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.141 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 217 | 15784 | 15785 | SN | 1 | 0.0 | 29.737 | 13.19 | 0.0 | 27.294 | 13.151 | 0.0 | 149.479 | 10.642 | 0.0 | 70.024 | 13.511 | 0.0 | 1.451 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.141 | 0.0 |
| 218 | 15784 | 15785 | NS | 1 | 0.0 | 26.064 | 10.123 | 0.0 | 34.419 | 14.106 | 0.0 | 352.775 | 9.792 | 0.0 | 40.943 | 12.212 | 0.0 | 1.413 | 0.0 | 0.0 | 1.791 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.147 | 0.0 |
| 219 | 15784 | 15785 | NS | 1 | 0.0 | 26.064 | 10.123 | 0.0 | 34.419 | 14.118 | 0.0 | 352.77 | 9.77 | 0.0 | 40.943 | 12.204 | 0.0 | 1.422 | 0.0 | 0.0 | 1.791 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.147 | 0.0 |
| 220 | 15784 | 15785 | NS | 1 | 0.0 | 26.853 | 5.97 | 0.0 | 24.558 | 6.824 | 0.0 | 132.457 | 2.292 | 0.0 | 12.855 | 2.928 | 0.0 | 1.447 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.86 | 0.0 | 0.0 | 2.146 | 0.0 |
| 221 | 15785 | 15786 | NS | 1 | 0.0 | 24.575 | 10.031 | 0.0 | 31.06 | 14.059 | 0.0 | 354.937 | 9.833 | 0.0 | 35.456 | 12.228 | 0.0 | 1.413 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 1.855 | 0.0 | 0.0 | 2.149 | 0.0 |
| 222 | 15785 | 15786 | NS | 1 | 0.0 | 26.803 | 6.159 | 0.0 | 24.564 | 6.901 | 0.0 | 356.388 | 2.394 | 0.0 | 12.866 | 3.027 | 0.0 | 1.447 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.147 | 0.0 |
| 223 | 15785 | 15786 | NS | 1 | 0.0 | 24.575 | 10.031 | 0.0 | 31.055 | 14.059 | 0.0 | 354.937 | 9.833 | 0.0 | 35.45 | 12.228 | 0.0 | 1.413 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 1.855 | 0.0 | 0.0 | 2.149 | 0.0 |
| 224 | 15785 | 15786 | SN | 1 | 0.0 | 29.963 | 13.211 | 0.0 | 275.207 | 13.07 | 0.0 | 157.553 | 10.683 | 0.0 | 67.741 | 13.508 | 0.0 | 1.45 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.143 | 0.0 |
| 225 | 15785 | 15786 | NS | 1 | 0.0 | 26.803 | 5.847 | 0.0 | 24.564 | 6.775 | 0.0 | 356.388 | 2.229 | 0.0 | 54.654 | 2.99 | 0.0 | 1.447 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.147 | 0.0 |
| 226 | 15785 | 15786 | NS | 1 | 0.0 | 26.803 | 5.844 | 0.0 | 24.564 | 6.775 | 0.0 | 356.388 | 2.229 | 0.0 | 54.637 | 2.988 | 0.0 | 1.447 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.147 | 0.0 |
| 227 | 15785 | 15786 | SN | 1 | 0.0 | 23.4 | 6.11 | 0.0 | 266.603 | 7.667 | 0.0 | 164.474 | 2.766 | 0.0 | 63.98 | 4.021 | 0.0 | 1.439 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.14 | 0.0 |
| 228 | 15785 | 15786 | NS | 1 | 0.0 | 24.575 | 10.167 | 0.0 | 29.825 | 13.51 | 0.0 | 354.937 | 10.438 | 0.0 | 13.81 | 11.751 | 0.0 | 1.413 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 1.855 | 0.0 | 0.0 | 2.149 | 0.0 |
| 229 | 15785 | 15786 | SN | 1 | 0.0 | 23.4 | 6.11 | 0.0 | 266.603 | 7.667 | 0.0 | 164.474 | 2.766 | 0.0 | 63.98 | 4.021 | 0.0 | 1.439 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.14 | 0.0 |
| 230 | 15785 | 15786 | SN | 1 | 0.0 | 29.963 | 13.211 | 0.0 | 275.207 | 13.07 | 0.0 | 157.553 | 10.683 | 0.0 | 67.741 | 13.508 | 0.0 | 1.45 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.143 | 0.0 |
| 231 | 15786 | 15787 | SN | 1 | 0.0 | 30.04 | 13.335 | 0.0 | 242.801 | 12.449 | 0.0 | 146.76 | 11.02 | 0.0 | 14.714 | 12.505 | 0.0 | 1.452 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.137 | 0.0 |
| 232 | 15786 | 15787 | NS | 1 | 0.0 | 27.244 | 5.834 | 0.0 | 24.564 | 6.786 | 0.0 | 356.89 | 2.24 | 0.0 | 62.126 | 2.98 | 0.0 | 1.447 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.86 | 0.0 | 0.0 | 2.146 | 0.0 |
| 233 | 15786 | 15787 | NS | 1 | 0.0 | 27.244 | 5.834 | 0.0 | 24.564 | 6.786 | 0.0 | 356.89 | 2.24 | 0.0 | 62.126 | 2.98 | 0.0 | 1.447 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.86 | 0.0 | 0.0 | 2.146 | 0.0 |
| 234 | 15786 | 15787 | NS | 1 | 0.0 | 25.452 | 10.377 | 0.0 | 29.82 | 13.63 | 0.0 | 156.419 | 11.128 | 0.0 | 13.826 | 11.814 | 0.0 | 1.426 | 0.0 | 0.0 | 1.79 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.147 | 0.0 |
| 235 | 15786 | 15787 | SN | 1 | 0.0 | 23.384 | 6.101 | 0.0 | 241.036 | 7.662 | 0.0 | 146.07 | 2.773 | 0.0 | 51.345 | 3.982 | 0.0 | 1.44 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 236 | 15786 | 15787 | SN | 1 | 0.0 | 23.384 | 6.099 | 0.0 | 241.036 | 7.665 | 0.0 | 146.07 | 2.773 | 0.0 | 51.372 | 3.982 | 0.0 | 1.44 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 237 | 15786 | 15787 | SN | 1 | 0.0 | 30.04 | 13.22 | 0.0 | 242.801 | 13.11 | 0.0 | 146.76 | 10.662 | 0.0 | 70.835 | 13.494 | 0.0 | 1.452 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.137 | 0.0 |
| 238 | 15786 | 15787 | SN | 1 | 0.0 | 30.04 | 13.22 | 0.0 | 242.801 | 13.1 | 0.0 | 146.76 | 10.662 | 0.0 | 70.851 | 13.494 | 0.0 | 1.452 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.137 | 0.0 |
| 239 | 15786 | 15787 | SN | 1 | 0.0 | 23.384 | 6.155 | 0.0 | 241.036 | 7.585 | 0.0 | 146.07 | 2.886 | 0.0 | 42.843 | 3.724 | 0.0 | 1.44 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.849 | 0.0 | 0.0 | 2.141 | 0.0 |
| 240 | 15786 | 15787 | NS | 1 | 0.0 | 27.244 | 6.422 | 0.0 | 24.564 | 7.109 | 0.0 | 356.89 | 2.548 | 0.0 | 12.855 | 3.194 | 0.0 | 1.447 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.86 | 0.0 | 0.0 | 2.146 | 0.0 |
| 241 | 15786 | 15787 | NS | 1 | 0.0 | 25.452 | 10.114 | 0.0 | 31.105 | 14.172 | 0.0 | 156.419 | 9.9 | 0.0 | 70.245 | 12.22 | 0.0 | 1.426 | 0.0 | 0.0 | 1.79 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.147 | 0.0 |
| 242 | 15786 | 15787 | NS | 1 | 0.0 | 25.452 | 10.114 | 0.0 | 31.105 | 14.172 | 0.0 | 156.419 | 9.9 | 0.0 | 70.245 | 12.22 | 0.0 | 1.426 | 0.0 | 0.0 | 1.79 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.147 | 0.0 |
| 243 | 15787 | 15788 | NS | 1 | 0.0 | 26.919 | 5.866 | 0.0 | 112.677 | 6.813 | 0.0 | 135.887 | 2.224 | 0.0 | 103.412 | 3.038 | 0.0 | 1.446 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.859 | 0.0 | 0.0 | 2.146 | 0.0 |
| 244 | 15787 | 15788 | NS | 1 | 0.0 | 263.725 | 10.099 | 0.0 | 112.887 | 14.134 | 0.0 | 355.605 | 9.849 | 0.0 | 106.373 | 12.265 | 0.0 | 1.428 | 0.0 | 0.0 | 1.79 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.146 | 0.0 |
| 245 | 15787 | 15788 | NS | 1 | 0.0 | 199.315 | 5.861 | 0.0 | 112.677 | 6.82 | 0.0 | 135.865 | 2.226 | 0.0 | 103.417 | 3.036 | 0.0 | 1.448 | 0.0 | 0.0 | 1.788 | 0.0 | 0.0 | 1.86 | 0.0 | 0.0 | 2.146 | 0.0 |
| 246 | 15787 | 15788 | NS | 1 | 0.0 | 257.901 | 10.089 | 0.0 | 112.887 | 14.154 | 0.0 | 355.605 | 9.87 | 0.0 | 106.362 | 12.258 | 0.0 | 1.426 | 0.0 | 0.0 | 1.79 | 0.0 | 0.0 | 1.851 | 0.0 | 0.0 | 2.145 | 0.0 |

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