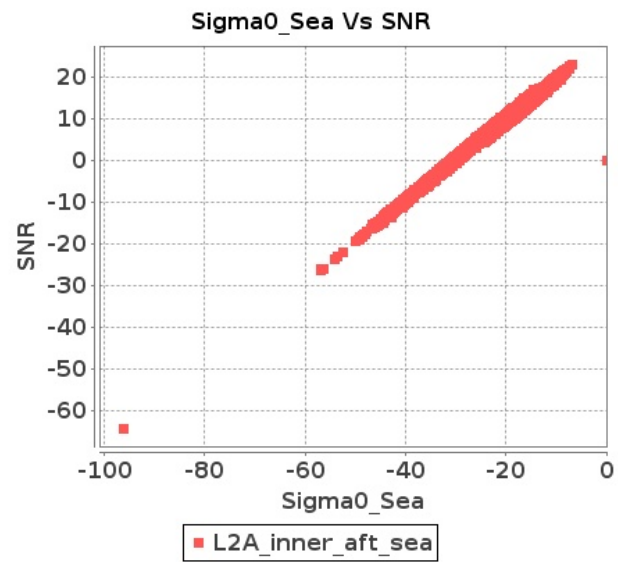


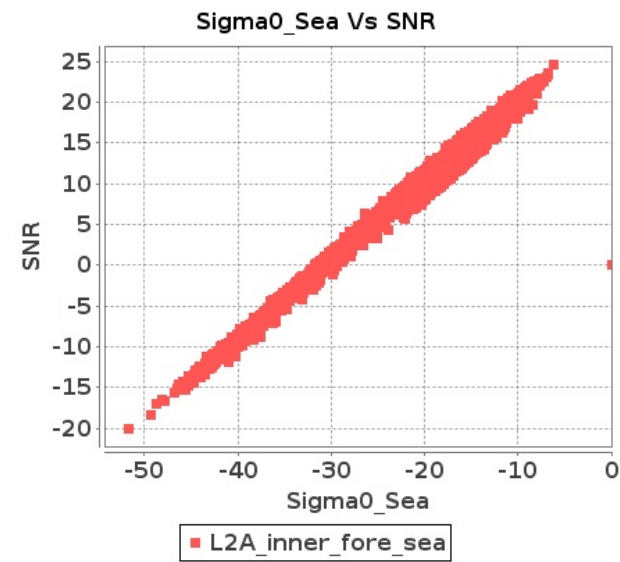
SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 28-JUL-2018 To 29-JUL-2018

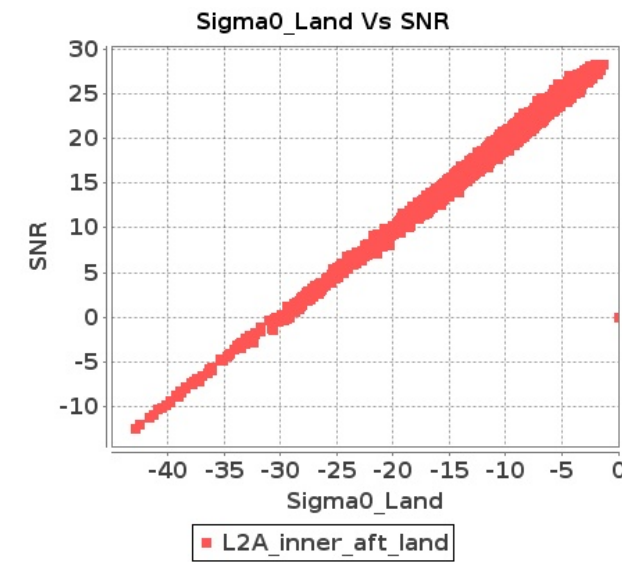
Inner Sea Aft Sigma0VsSNR



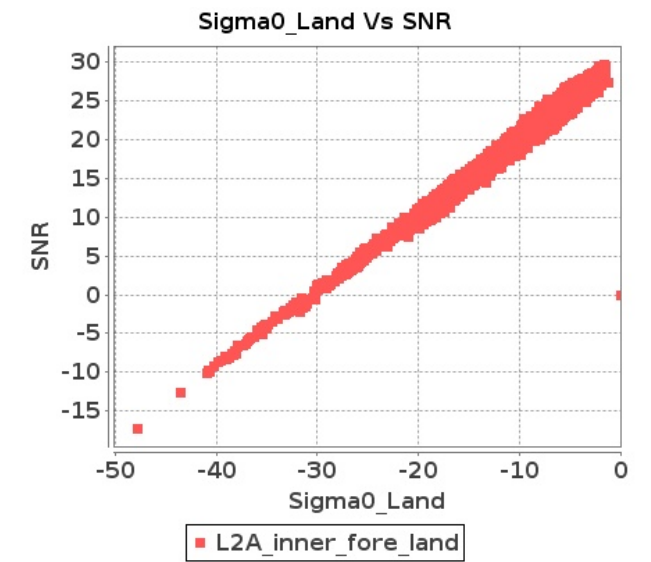
Inner Sea Fore Sigma0VsSNR



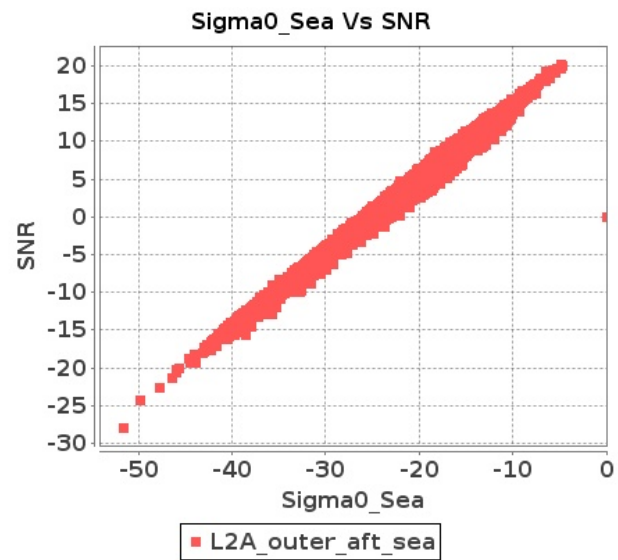
Inner Land Aft Sigma0VsSNR



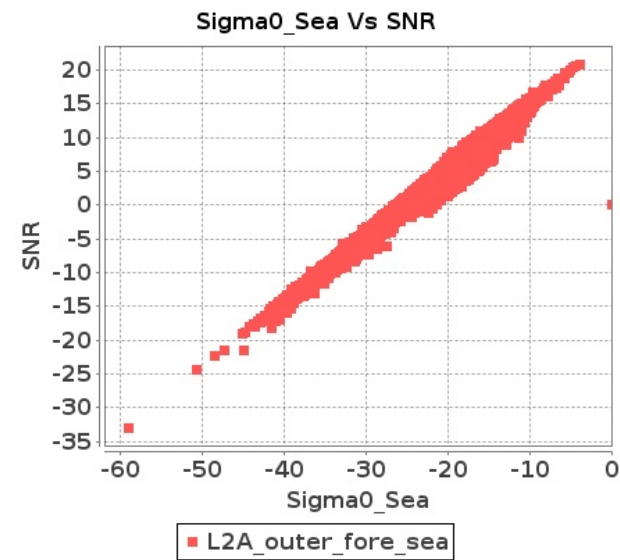
Inner Land Fore Sigma0VsSNR



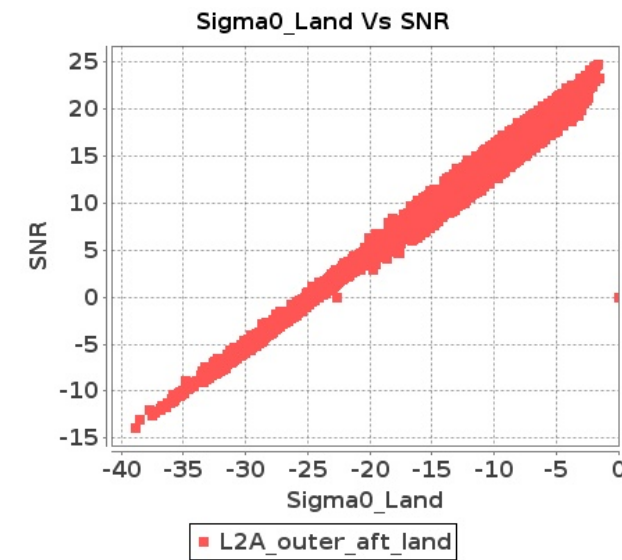
Outer Sea Aft Sigma0VsSNR



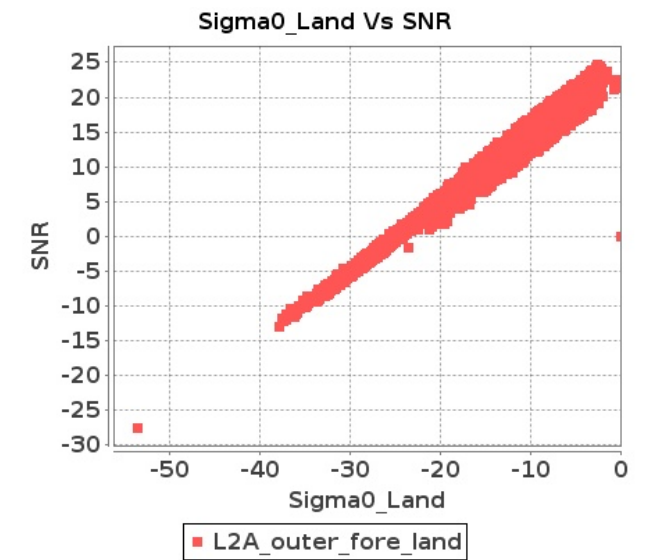
Outer Sea Fore Sigma0VsSNR



Outer Land Aft Sigma0VsSNR



Outer Land Fore Sigma0VsSNR



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

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| 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 | 9712 | 9713 | SN | 1 | 0.0 | 52.866 | 6.224 | 0.0 | 51.934 | 7.52 | 0.0 | 43.576 | 4.722 | 0.0 | 47.482 | 6.285 | 0.0 | 52.909 | 6.356 | 0.0 | 52.687 | 7.388 | 0.0 | 42.727 | 4.588 | 0.0 | 49.135 | 5.716 |
| 2 | 9712 | 9713 | SN | 1 | 0.0 | 53.412 | 1.53 | 0.0 | 52.446 | 2.273 | 0.0 | 44.663 | 1.283 | 0.0 | 45.042 | 1.985 | 0.0 | 52.475 | 1.546 | 0.0 | 53.231 | 2.203 | 0.0 | 45.772 | 1.226 | 0.0 | 44.848 | 1.792 |
| 3 | 9712 | 9713 | SN | 1 | 0.0 | 53.412 | 1.569 | 0.0 | 52.446 | 2.329 | 0.0 | 44.663 | 1.31 | 0.0 | 45.042 | 2.023 | 0.0 | 52.475 | 1.594 | 0.0 | 53.231 | 2.252 | 0.0 | 45.772 | 1.267 | 0.0 | 44.848 | 1.836 |
| 4 | 9712 | 9713 | NS | 1 | 0.0 | 45.759 | 2.739 | 0.0 | 45.013 | 3.263 | 0.0 | 49.826 | 2.107 | 0.0 | 42.408 | 2.429 | 0.0 | 45.764 | 2.789 | 0.0 | 44.327 | 3.086 | 0.0 | 47.464 | 2.027 | 0.0 | 44.414 | 2.239 |
| 5 | 9712 | 9713 | NS | 1 | 0.0 | 45.759 | 2.734 | 0.0 | 45.013 | 3.27 | 0.0 | 49.826 | 2.105 | 0.0 | 42.408 | 2.427 | 0.0 | 45.764 | 2.784 | 0.0 | 44.327 | 3.089 | 0.0 | 47.464 | 2.021 | 0.0 | 44.414 | 2.246 |
| 6 | 9712 | 9713 | NS | 1 | 0.0 | 51.668 | 11.592 | 0.0 | 55.596 | 12.856 | 0.0 | 46.085 | 7.91 | 0.0 | 51.362 | 8.753 | 0.0 | 52.689 | 11.663 | 0.0 | 55.436 | 12.724 | 0.0 | 46.184 | 7.653 | 0.0 | 48.525 | 8.375 |
| 7 | 9712 | 9713 | NS | 1 | 0.0 | 51.668 | 11.572 | 0.0 | 55.596 | 12.856 | 0.0 | 46.085 | 7.903 | 0.0 | 51.362 | 8.767 | 0.0 | 52.689 | 11.653 | 0.0 | 55.436 | 12.724 | 0.0 | 46.184 | 7.639 | 0.0 | 48.525 | 8.389 |
| 8 | 9712 | 9713 | SN | 1 | 0.0 | 53.412 | 1.53 | 0.0 | 52.446 | 2.273 | 0.0 | 44.663 | 1.283 | 0.0 | 45.042 | 1.983 | 0.0 | 52.475 | 1.546 | 0.0 | 53.231 | 2.203 | 0.0 | 45.772 | 1.226 | 0.0 | 44.848 | 1.792 |
| 9 | 9712 | 9713 | SN | 1 | 0.0 | 52.866 | 6.395 | 0.0 | 51.934 | 7.696 | 0.0 | 44.558 | 4.829 | 0.0 | 47.482 | 6.477 | 0.0 | 52.909 | 6.54 | 0.0 | 52.687 | 7.56 | 0.0 | 43.827 | 4.669 | 0.0 | 49.135 | 5.866 |
| 10 | 9712 | 9713 | SN | 1 | 0.0 | 52.866 | 6.224 | 0.0 | 51.934 | 7.52 | 0.0 | 43.576 | 4.722 | 0.0 | 47.482 | 6.285 | 0.0 | 52.909 | 6.356 | 0.0 | 52.687 | 7.388 | 0.0 | 42.727 | 4.588 | 0.0 | 49.135 | 5.716 |
| 11 | 9713 | 9714 | SN | 1 | 0.0 | 45.324 | 1.095 | 0.0 | 50.704 | 1.725 | 0.0 | 41.769 | 1.293 | 0.0 | 40.42 | 1.663 | 0.0 | 45.419 | 1.088 | 0.0 | 50.925 | 1.687 | 0.0 | 39.049 | 1.263 | 0.0 | 42.191 | 1.482 |
| 12 | 9713 | 9714 | SN | 1 | 0.0 | 48.355 | 4.122 | 0.0 | 51.656 | 4.645 | 0.0 | 46.996 | 3.981 | 0.0 | 47.236 | 4.756 | 0.0 | 49.181 | 4.204 | 0.0 | 48.961 | 4.686 | 0.0 | 46.736 | 3.945 | 0.0 | 46.416 | 4.519 |
| 13 | 9713 | 9714 | SN | 1 | 0.0 | 45.324 | 1.11 | 0.0 | 50.704 | 1.747 | 0.0 | 41.769 | 1.305 | 0.0 | 40.42 | 1.681 | 0.0 | 45.419 | 1.103 | 0.0 | 50.925 | 1.708 | 0.0 | 39.049 | 1.275 | 0.0 | 42.191 | 1.498 |
| 14 | 9713 | 9714 | NS | 1 | 0.0 | 47.464 | 0.781 | 0.0 | 44.513 | 0.986 | 0.0 | 40.372 | 0.753 | 0.0 | 41.727 | 0.903 | 0.0 | 47.382 | 0.778 | 0.0 | 43.125 | 0.882 | 0.0 | 40.118 | 0.665 | 0.0 | 39.104 | 0.762 |
| 15 | 9713 | 9714 | SN | 1 | 0.0 | 48.355 | 4.065 | 0.0 | 51.656 | 4.586 | 0.0 | 46.996 | 3.927 | 0.0 | 47.236 | 4.695 | 0.0 | 49.181 | 4.146 | 0.0 | 48.961 | 4.627 | 0.0 | 46.736 | 3.892 | 0.0 | 46.416 | 4.461 |
| 16 | 9713 | 9714 | NS | 1 | 0.0 | 42.999 | 0.785 | 0.0 | 43.499 | 1.0 | 0.0 | 40.678 | 0.748 | 0.0 | 41.959 | 0.901 | 0.0 | 44.561 | 0.783 | 0.0 | 43.173 | 0.9 | 0.0 | 40.06 | 0.686 | 0.0 | 39.337 | 0.774 |
| 17 | 9713 | 9714 | NS | 1 | 0.0 | 49.917 | 3.139 | 0.0 | 50.211 | 3.674 | 0.0 | 46.696 | 2.633 | 0.0 | 45.779 | 3.273 | 0.0 | 48.441 | 3.108 | 0.0 | 49.783 | 3.369 | 0.0 | 46.419 | 2.441 | 0.0 | 44.568 | 2.824 |
| 18 | 9713 | 9714 | NS | 1 | 0.0 | 45.217 | 3.19 | 0.0 | 53.07 | 3.654 | 0.0 | 43.056 | 2.576 | 0.0 | 47.112 | 3.252 | 0.0 | 46.532 | 3.139 | 0.0 | 53.13 | 3.379 | 0.0 | 41.644 | 2.349 | 0.0 | 46.094 | 2.809 |
| 19 | 9713 | 9714 | SN | 1 | 0.0 | 45.324 | 1.108 | 0.0 | 50.704 | 1.747 | 0.0 | 41.769 | 1.304 | 0.0 | 40.42 | 1.681 | 0.0 | 45.419 | 1.102 | 0.0 | 50.925 | 1.708 | 0.0 | 39.049 | 1.273 | 0.0 | 42.191 | 1.498 |
| 20 | 9714 | 9715 | NS | 1 | 0.0 | 45.783 | 2.367 | 0.0 | 47.429 | 2.992 | 0.0 | 44.012 | 2.242 | 0.0 | 41.585 | 3.095 | 0.0 | 47.339 | 2.387 | 0.0 | 47.87 | 2.687 | 0.0 | 41.707 | 1.95 | 0.0 | 42.453 | 2.817 |
| 21 | 9714 | 9715 | SN | 1 | 0.0 | 47.029 | 3.995 | 0.0 | 44.841 | 5.599 | 0.0 | 44.261 | 4.686 | 0.0 | 41.139 | 6.745 | 0.0 | 46.293 | 4.146 | 0.0 | 45.81 | 5.599 | 0.0 | 41.877 | 4.743 | 0.0 | 40.562 | 6.461 |
| 22 | 9714 | 9715 | SN | 1 | 0.0 | 47.029 | 3.995 | 0.0 | 44.841 | 5.599 | 0.0 | 44.261 | 4.686 | 0.0 | 41.139 | 6.745 | 0.0 | 46.293 | 4.146 | 0.0 | 45.81 | 5.599 | 0.0 | 41.877 | 4.743 | 0.0 | 40.562 | 6.461 |
| 23 | 9714 | 9715 | SN | 1 | 0.0 | 44.721 | 1.414 | 0.0 | 45.689 | 1.887 | 0.0 | 39.879 | 1.547 | 0.0 | 43.406 | 2.399 | 0.0 | 44.555 | 1.425 | 0.0 | 43.163 | 1.898 | 0.0 | 39.795 | 1.547 | 0.0 | 41.34 | 2.259 |
| 24 | 9714 | 9715 | SN | 1 | 0.0 | 44.721 | 1.398 | 0.0 | 45.689 | 1.892 | 0.0 | 39.879 | 1.526 | 0.0 | 43.406 | 2.398 | 0.0 | 44.555 | 1.407 | 0.0 | 43.163 | 1.906 | 0.0 | 39.795 | 1.524 | 0.0 | 41.34 | 2.245 |
| 25 | 9714 | 9715 | SN | 1 | 0.0 | 47.029 | 4.027 | 0.0 | 44.841 | 5.521 | 0.0 | 44.261 | 4.752 | 0.0 | 41.139 | 6.728 | 0.0 | 46.293 | 4.171 | 0.0 | 45.81 | 5.51 | 0.0 | 41.877 | 4.802 | 0.0 | 40.562 | 6.468 |
| 26 | 9714 | 9715 | SN | 1 | 0.0 | 44.721 | 1.398 | 0.0 | 45.689 | 1.892 | 0.0 | 39.879 | 1.526 | 0.0 | 43.406 | 2.398 | 0.0 | 44.555 | 1.407 | 0.0 | 43.163 | 1.906 | 0.0 | 39.795 | 1.524 | 0.0 | 41.34 | 2.245 |
| 27 | 9714 | 9715 | NS | 1 | 0.0 | 46.248 | 2.377 | 0.0 | 47.429 | 2.972 | 0.0 | 44.012 | 2.349 | 0.0 | 41.585 | 3.08 | 0.0 | 47.33 | 2.438 | 0.0 | 47.87 | 2.687 | 0.0 | 41.707 | 2.05 | 0.0 | 42.172 | 2.788 |
| 28 | 9714 | 9715 | NS | 1 | 0.0 | 44.456 | 0.55 | 0.0 | 42.001 | 0.737 | 0.0 | 35.32 | 0.661 | 0.0 | 40.616 | 0.954 | 0.0 | 45.136 | 0.545 | 0.0 | 40.136 | 0.694 | 0.0 | 35.462 | 0.618 | 0.0 | 40.507 | 0.844 |
| 29 | 9714 | 9715 | NS | 1 | 0.0 | 44.682 | 0.573 | 0.0 | 42.001 | 0.757 | 0.0 | 37.589 | 0.681 | 0.0 | 40.616 | 0.963 | 0.0 | 45.362 | 0.573 | 0.0 | 40.22 | 0.687 | 0.0 | 36.332 | 0.631 | 0.0 | 40.507 | 0.828 |
| 30 | 9715 | 9716 | NS | 1 | 0.0 | 46.89 | 4.672 | 0.0 | 54.461 | 5.099 | 0.0 | 50.983 | 3.679 | 0.0 | 48.82 | 4.457 | 0.0 | 47.86 | 4.733 | 0.0 | 51.439 | 4.702 | 0.0 | 51.794 | 3.658 | 0.0 | 46.841 | 3.801 |
| 31 | 9715 | 9716 | NS | 1 | 0.0 | 51.006 | 4.53 | 0.0 | 52.487 | 5.151 | 0.0 | 48.01 | 3.507 | 0.0 | 47.16 | 4.429 | 0.0 | 51.559 | 4.591 | 0.0 | 52.585 | 4.927 | 0.0 | 47.809 | 3.5 | 0.0 | 44.877 | 3.959 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|--------|
| 32 | 9715 | 9716 | SN | 1 | 0.0 | 50.353 | 4.531 | 0.0 | 49.475 | 5.744 | 0.0 | 41.15 | 4.52 | 0.0 | 40.454 | 6.179 | 0.0 | 50.037 | 4.438 | 0.0 | 47.102 | 5.381 | 0.0 | 39.034 | 4.426 | 0.0 | 39.558 | 5.648 |
| 33 | 9715 | 9716 | SN | 1 | 0.0 | 47.674 | 4.515 | 0.0 | 49.475 | 5.796 | 0.0 | 39.944 | 4.46 | 0.0 | 39.325 | 6.15 | 0.0 | 47.382 | 4.525 | 0.0 | 47.102 | 5.43 | 0.0 | 42.241 | 4.311 | 0.0 | 37.882 | 5.617 |
| 34 | 9715 | 9716 | SN | 1 | 0.0 | 47.674 | 4.545 | 0.0 | 49.475 | 5.796 | 0.0 | 39.988 | 4.453 | 0.0 | 39.28 | 6.143 | 0.0 | 47.382 | 4.545 | 0.0 | 47.102 | 5.42 | 0.0 | 42.241 | 4.29 | 0.0 | 37.512 | 5.624 |
| 35 | 9715 | 9716 | NS | 1 | 0.0 | 42.827 | 1.089 | 0.0 | 43.019 | 1.283 | 0.0 | 49.7 | 0.94 | 0.0 | 42.051 | 1.2 | 0.0 | 42.152 | 1.041 | 0.0 | 44.434 | 1.129 | 0.0 | 46.16 | 0.906 | 0.0 | 42.508 | 1.029 |
| 36 | 9715 | 9716 | NS | 1 | 0.0 | 51.421 | 1.088 | 0.0 | 50.194 | 1.231 | 0.0 | 42.942 | 0.936 | 0.0 | 47.655 | 1.213 | 0.0 | 51.695 | 1.084 | 0.0 | 48.186 | 1.113 | 0.0 | 40.167 | 0.86 | 0.0 | 47.488 | 1.029 |
| 37 | 9715 | 9716 | SN | 1 | 0.0 | 40.647 | 1.235 | 0.0 | 41.102 | 1.867 | 0.0 | 38.169 | 1.523 | 0.0 | 38.557 | 2.18 | 0.0 | 40.134 | 1.217 | 0.0 | 40.853 | 1.677 | 0.0 | 35.458 | 1.47 | 0.0 | 37.813 | 1.907 |
| 38 | 9715 | 9716 | SN | 1 | 0.0 | 45.175 | 1.223 | 0.0 | 41.102 | 1.854 | 0.0 | 38.169 | 1.502 | 0.0 | 39.883 | 2.168 | 0.0 | 45.741 | 1.235 | 0.0 | 40.853 | 1.682 | 0.0 | 35.866 | 1.424 | 0.0 | 38.211 | 1.898 |
| 39 | 9715 | 9716 | SN | 1 | 0.0 | 45.175 | 1.219 | 0.0 | 41.102 | 1.849 | 0.0 | 38.169 | 1.513 | 0.0 | 41.096 | 2.183 | 0.0 | 45.741 | 1.23 | 0.0 | 40.853 | 1.68 | 0.0 | 40.196 | 1.426 | 0.0 | 37.813 | 1.904 |
| 40 | 9716 | 9717 | NS | 1 | 0.0 | 47.511 | 1.333 | 0.0 | 45.415 | 1.668 | 0.0 | 41.6 | 1.397 | 0.0 | 43.502 | 1.644 | 0.0 | 47.503 | 1.356 | 0.0 | 48.22 | 1.527 | 0.0 | 39.136 | 1.344 | 0.0 | 38.426 | 1.498 |
| 41 | 9716 | 9717 | NS | 1 | 0.0 | 47.561 | 1.331 | 0.0 | 45.09 | 1.672 | 0.0 | 41.6 | 1.397 | 0.0 | 43.502 | 1.623 | 0.0 | 47.555 | 1.353 | 0.0 | 48.22 | 1.527 | 0.0 | 39.136 | 1.342 | 0.0 | 38.426 | 1.486 |
| 42 | 9716 | 9717 | SN | 1 | 0.0 | 46.622 | 5.613 | 0.0 | 51.189 | 6.877 | 0.0 | 43.443 | 5.054 | 0.0 | 41.913 | 6.669 | 0.0 | 46.15 | 5.684 | 0.0 | 51.59 | 6.351 | 0.0 | 44.217 | 4.99 | 0.0 | 42.495 | 6.037 |
| 43 | 9716 | 9717 | NS | 1 | 0.0 | 51.297 | 4.998 | 0.0 | 50.711 | 5.37 | 0.0 | 46.71 | 4.798 | 0.0 | 43.273 | 5.238 | 0.0 | 51.203 | 5.029 | 0.0 | 52.999 | 5.157 | 0.0 | 45.61 | 4.599 | 0.0 | 42.214 | 4.803 |
| 44 | 9716 | 9717 | NS | 1 | 0.0 | 51.297 | 4.978 | 0.0 | 50.701 | 5.319 | 0.0 | 46.71 | 4.805 | 0.0 | 44.227 | 5.281 | 0.0 | 51.203 | 5.009 | 0.0 | 52.99 | 5.136 | 0.0 | 45.61 | 4.627 | 0.0 | 43.937 | 4.86 |
| 45 | 9716 | 9717 | SN | 1 | 0.0 | 45.89 | 5.613 | 0.0 | 54.591 | 6.827 | 0.0 | 44.775 | 5.018 | 0.0 | 44.116 | 6.64 | 0.0 | 46.382 | 5.725 | 0.0 | 53.734 | 6.31 | 0.0 | 45.422 | 4.962 | 0.0 | 44.958 | 6.115 |
| 46 | 9716 | 9717 | SN | 1 | 0.0 | 47.303 | 1.455 | 0.0 | 46.718 | 2.012 | 0.0 | 45.876 | 1.679 | 0.0 | 38.093 | 2.239 | 0.0 | 47.419 | 1.473 | 0.0 | 44.924 | 1.764 | 0.0 | 48.944 | 1.576 | 0.0 | 38.979 | 1.956 |
| 47 | 9716 | 9717 | SN | 1 | 0.0 | 42.058 | 1.464 | 0.0 | 48.582 | 2.005 | 0.0 | 42.417 | 1.666 | 0.0 | 41.422 | 2.223 | 0.0 | 41.759 | 1.487 | 0.0 | 46.878 | 1.766 | 0.0 | 45.482 | 1.537 | 0.0 | 38.575 | 1.931 |
| 48 | 9716 | 9717 | SN | 1 | 0.0 | 46.834 | 5.437 | 0.0 | 54.591 | 6.707 | 0.0 | 42.145 | 4.994 | 0.0 | 44.694 | 6.654 | 0.0 | 48.037 | 5.553 | 0.0 | 53.734 | 6.18 | 0.0 | 42.921 | 4.928 | 0.0 | 44.958 | 6.115 |
| 49 | 9716 | 9717 | SN | 1 | 0.0 | 41.262 | 1.437 | 0.0 | 48.582 | 1.995 | 0.0 | 43.356 | 1.687 | 0.0 | 43.073 | 2.267 | 0.0 | 41.262 | 1.458 | 0.0 | 46.878 | 1.742 | 0.0 | 46.422 | 1.566 | 0.0 | 38.575 | 1.958 |
| 50 | 9717 | 9718 | SN | 1 | 0.0 | 48.121 | 2.467 | 0.0 | 50.808 | 3.692 | 0.0 | 44.954 | 2.295 | 0.0 | 41.873 | 3.522 | 0.0 | 47.581 | 2.455 | 0.0 | 50.414 | 3.482 | 0.0 | 45.621 | 2.288 | 0.0 | 42.751 | 3.279 |
| 51 | 9717 | 9718 | SN | 1 | 0.0 | 52.279 | 9.407 | 0.0 | 55.505 | 12.043 | 0.0 | 48.82 | 7.733 | 0.0 | 49.343 | 10.661 | 0.0 | 54.103 | 9.549 | 0.0 | 54.041 | 11.474 | 0.0 | 48.037 | 7.861 | 0.0 | 47.89 | 10.085 |
| 52 | 9717 | 9718 | SN | 1 | 0.0 | 48.121 | 2.367 | 0.0 | 47.315 | 3.582 | 0.0 | 44.954 | 2.234 | 0.0 | 42.01 | 3.364 | 0.0 | 47.996 | 2.345 | 0.0 | 48.061 | 3.39 | 0.0 | 45.621 | 2.225 | 0.0 | 42.793 | 3.125 |
| 53 | 9717 | 9718 | NS | 1 | 0.0 | 47.954 | 1.67 | 0.0 | 47.538 | 1.828 | 0.0 | 40.34 | 1.667 | 0.0 | 43.369 | 2.256 | 0.0 | 46.891 | 1.639 | 0.0 | 51.312 | 1.652 | 0.0 | 39.45 | 1.646 | 0.0 | 40.829 | 2.05 |
| 54 | 9717 | 9718 | NS | 1 | 0.0 | 42.547 | 1.595 | 0.0 | 52.514 | 1.944 | 0.0 | 42.465 | 1.651 | 0.0 | 44.229 | 2.361 | 0.0 | 43.071 | 1.611 | 0.0 | 52.396 | 1.799 | 0.0 | 41.887 | 1.599 | 0.0 | 41.791 | 2.08 |
| 55 | 9717 | 9718 | NS | 1 | 0.0 | 49.934 | 6.441 | 0.0 | 50.455 | 6.886 | 0.0 | 49.209 | 5.125 | 0.0 | 47.023 | 6.914 | 0.0 | 50.884 | 6.553 | 0.0 | 49.519 | 6.53 | 0.0 | 46.72 | 5.089 | 0.0 | 47.854 | 6.65 |
| 56 | 9717 | 9718 | SN | 1 | 0.0 | 53.181 | 2.334 | 0.0 | 47.706 | 3.582 | 0.0 | 44.645 | 2.216 | 0.0 | 42.371 | 3.355 | 0.0 | 52.409 | 2.313 | 0.0 | 47.763 | 3.367 | 0.0 | 45.31 | 2.2 | 0.0 | 42.718 | 3.119 |
| 57 | 9717 | 9718 | NS | 1 | 0.0 | 52.688 | 6.409 | 0.0 | 52.514 | 7.038 | 0.0 | 50.672 | 5.237 | 0.0 | 45.966 | 7.136 | 0.0 | 53.642 | 6.581 | 0.0 | 49.43 | 6.855 | 0.0 | 48.699 | 5.229 | 0.0 | 46.367 | 6.551 |
| 58 | 9717 | 9718 | SN | 1 | 0.0 | 53.483 | 9.434 | 0.0 | 55.505 | 12.516 | 0.0 | 52.244 | 7.955 | 0.0 | 47.756 | 11.072 | 0.0 | 55.306 | 9.519 | 0.0 | 53.265 | 12.035 | 0.0 | 49.378 | 8.045 | 0.0 | 49.058 | 10.6 |
| 59 | 9717 | 9718 | SN | 1 | 0.0 | 52.174 | 9.367 | 0.0 | 55.505 | 12.124 | 0.0 | 52.244 | 7.783 | 0.0 | 47.756 | 10.661 | 0.0 | 53.059 | 9.468 | 0.0 | 53.265 | 11.637 | 0.0 | 49.378 | 7.825 | 0.0 | 49.058 | 10.206 |
| 60 | 9718 | 9719 | SN | 1 | 0.0 | 46.413 | 2.27 | 0.0 | 48.944 | 3.01 | 0.0 | 43.808 | 1.786 | 0.0 | 50.974 | 2.468 | 0.0 | 46.262 | 2.295 | 0.0 | 49.587 | 2.994 | 0.0 | 44.374 | 1.848 | 0.0 | 45.529 | 2.379 |
| 61 | 9718 | 9719 | SN | 1 | 0.0 | 53.602 | 8.392 | 0.0 | 55.115 | 9.88 | 0.0 | 48.135 | 6.2 | 0.0 | 53.723 | 8.042 | 0.0 | 52.651 | 8.473 | 0.0 | 54.077 | 9.667 | 0.0 | 49.1 | 6.285 | 0.0 | 47.733 | 7.794 |
| 62 | 9718 | 9719 | SN | 1 | 0.0 | 53.602 | 8.724 | 0.0 | 55.115 | 10.417 | 0.0 | 48.135 | 6.355 | 0.0 | 53.723 | 8.264 | 0.0 | 52.651 | 8.823 | 0.0 | 54.077 | 10.297 | 0.0 | 49.1 | 6.416 | 0.0 | 47.733 | 8.064 |
| 63 | 9718 | 9719 | NS | 1 | 0.0 | 44.948 | 1.467 | 0.0 | 46.829 | 1.956 | 0.0 | 40.443 | 1.666 | 0.0 | 45.431 | 2.265 | 0.0 | 42.99 | 1.505 | 0.0 | 46.202 | 1.913 | 0.0 | 39.788 | 1.591 | 0.0 | 45.508 | 2.041 |
| 64 | 9718 | 9719 | SN | 1 | 0.0 | 53.602 | 8.392 | 0.0 | 55.115 | 9.88 | 0.0 | 48.135 | 6.2 | 0.0 | 53.723 | 8.042 | 0.0 | 52.651 | 8.473 | 0.0 | 54.077 | 9.667 | 0.0 | 49.1 | 6.285 | 0.0 | 47.733 | 7.794 |
| 65 | 9718 | 9719 | NS | 1 | 0.0 | 49.417 | 4.785 | 0.0 | 48.362 | 6.836 | 0.0 | 46.877 | 5.261 | 0.0 | 41.003 | 6.722 | 0.0 | 49.713 | 5.029 | 0.0 | 48.783 | 6.632 | 0.0 | 48.171 | 5.183 | 0.0 | 40.358 | 6.301 |
| 66 | 9718 | 9719 | NS | 1 | 0.0 | 44.841 | 1.433 | 0.0 | 48.631 | 1.956 | 0.0 | 38.836 | 1.655 | 0.0 | 46.062 | 2.28 | 0.0 | 42.989 | 1.474 | 0.0 | 48.003 | 1.917 | 0.0 | 37.366 | 1.582 | 0.0 | 46.141 | 2.036 |
| 67 | 9718 | 9719 | SN | 1 | 0.0 | 46.413 | 2.359 | 0.0 | 48.944 | 3.179 | 0.0 | 43.808 | 1.835 | 0.0 | 50.974 | 2.581 | 0.0 | 46.262 | 2.393 | 0.0 | 49.587 | 3.16 | 0.0 | 44.374 | 1.89 | 0.0 | 45.529 | 2.491 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 68 | 9718 | 9719 | SN | 1 | 0.0 | 46.413 | 2.27 | 0.0 | 48.944 | 3.01 | 0.0 | 43.808 | 1.786 | 0.0 | 50.974 | 2.468 | 0.0 | 46.262 | 2.295 | 0.0 | 49.587 | 2.994 | 0.0 | 44.374 | 1.848 | 0.0 | 45.529 | 2.379 |
| 69 | 9718 | 9719 | NS | 1 | 0.0 | 43.861 | 4.826 | 0.0 | 48.362 | 6.866 | 0.0 | 46.681 | 5.19 | 0.0 | 41.002 | 6.693 | 0.0 | 43.605 | 5.09 | 0.0 | 48.778 | 6.652 | 0.0 | 47.974 | 5.133 | 0.0 | 40.707 | 6.287 |
| 70 | 9719 | 9720 | SN | 1 | 0.0 | 44.821 | 3.259 | 0.0 | 53.409 | 4.587 | 0.0 | 47.08 | 3.156 | 0.0 | 46.36 | 4.294 | 0.0 | 45.738 | 3.228 | 0.0 | 54.122 | 4.151 | 0.0 | 48.022 | 2.844 | 0.0 | 46.804 | 3.562 |
| 71 | 9719 | 9720 | SN | 1 | 0.0 | 40.681 | 0.773 | 0.0 | 46.014 | 1.24 | 0.0 | 44.796 | 0.869 | 0.0 | 42.877 | 1.2 | 0.0 | 40.238 | 0.746 | 0.0 | 43.374 | 1.089 | 0.0 | 44.411 | 0.764 | 0.0 | 44.218 | 0.975 |
| 72 | 9719 | 9720 | SN | 1 | 0.0 | 40.681 | 0.773 | 0.0 | 46.014 | 1.24 | 0.0 | 44.796 | 0.869 | 0.0 | 42.877 | 1.2 | 0.0 | 40.238 | 0.746 | 0.0 | 43.374 | 1.089 | 0.0 | 44.411 | 0.764 | 0.0 | 44.218 | 0.975 |
| 73 | 9719 | 9720 | NS | 1 | 0.0 | 52.154 | 1.216 | 0.0 | 50.712 | 1.613 | 0.0 | 40.666 | 1.371 | 0.0 | 47.078 | 1.876 | 0.0 | 52.549 | 1.236 | 0.0 | 48.309 | 1.627 | 0.0 | 40.353 | 1.372 | 0.0 | 46.741 | 1.84 |
| 74 | 9719 | 9720 | NS | 1 | 0.0 | 52.156 | 1.252 | 0.0 | 48.978 | 1.611 | 0.0 | 40.702 | 1.371 | 0.0 | 48.491 | 1.885 | 0.0 | 52.551 | 1.274 | 0.0 | 49.1 | 1.616 | 0.0 | 40.387 | 1.356 | 0.0 | 46.733 | 1.853 |
| 75 | 9719 | 9720 | SN | 1 | 0.0 | 44.821 | 3.259 | 0.0 | 53.409 | 4.587 | 0.0 | 47.08 | 3.156 | 0.0 | 46.36 | 4.294 | 0.0 | 45.738 | 3.228 | 0.0 | 54.122 | 4.151 | 0.0 | 48.022 | 2.844 | 0.0 | 46.804 | 3.562 |
| 76 | 9719 | 9720 | SN | 1 | 0.0 | 40.681 | 0.8 | 0.0 | 46.014 | 1.256 | 0.0 | 44.796 | 0.881 | 0.0 | 42.744 | 1.139 | 0.0 | 40.238 | 0.775 | 0.0 | 43.374 | 1.1 | 0.0 | 44.411 | 0.751 | 0.0 | 42.466 | 0.906 |
| 77 | 9719 | 9720 | NS | 1 | 0.0 | 45.206 | 4.521 | 0.0 | 52.652 | 5.605 | 0.0 | 42.029 | 4.77 | 0.0 | 52.893 | 5.666 | 0.0 | 45.34 | 4.643 | 0.0 | 55.051 | 5.544 | 0.0 | 40.968 | 4.827 | 0.0 | 49.417 | 5.78 |
| 78 | 9719 | 9720 | NS | 1 | 0.0 | 45.22 | 4.49 | 0.0 | 52.858 | 5.595 | 0.0 | 42.529 | 4.784 | 0.0 | 52.166 | 5.702 | 0.0 | 45.354 | 4.633 | 0.0 | 55.017 | 5.554 | 0.0 | 40.914 | 4.855 | 0.0 | 48.69 | 5.837 |
| 79 | 9719 | 9720 | SN | 1 | 0.0 | 44.821 | 3.211 | 0.0 | 53.409 | 4.597 | 0.0 | 47.08 | 3.176 | 0.0 | 46.36 | 4.095 | 0.0 | 45.738 | 3.121 | 0.0 | 54.122 | 4.168 | 0.0 | 48.022 | 2.86 | 0.0 | 46.804 | 3.461 |
| 80 | 9720 | 9721 | NS | 1 | 0.0 | 40.265 | 1.65 | 0.0 | 49.04 | 1.952 | 0.0 | 45.864 | 1.459 | 0.0 | 43.548 | 2.086 | 0.0 | 40.664 | 1.641 | 0.0 | 49.907 | 1.818 | 0.0 | 43.369 | 1.391 | 0.0 | 43.445 | 1.803 |
| 81 | 9720 | 9721 | NS | 1 | 0.0 | 50.115 | 6.491 | 0.0 | 51.24 | 6.89 | 0.0 | 48.121 | 5.651 | 0.0 | 49.391 | 6.902 | 0.0 | 50.687 | 6.348 | 0.0 | 53.143 | 6.473 | 0.0 | 50.15 | 5.523 | 0.0 | 48.36 | 6.168 |
| 82 | 9720 | 9721 | SN | 1 | 0.0 | 41.695 | 0.556 | 0.0 | 44.883 | 0.954 | 0.0 | 34.831 | 0.743 | 0.0 | 45.007 | 1.243 | 0.0 | 41.274 | 0.559 | 0.0 | 43.966 | 0.828 | 0.0 | 35.992 | 0.665 | 0.0 | 41.12 | 1.054 |
| 83 | 9720 | 9721 | SN | 1 | 0.0 | 45.599 | 2.418 | 0.0 | 46.345 | 3.402 | 0.0 | 48.701 | 2.574 | 0.0 | 47.614 | 3.589 | 0.0 | 45.655 | 2.377 | 0.0 | 48.404 | 3.159 | 0.0 | 45.361 | 2.51 | 0.0 | 45.764 | 2.943 |
| 84 | 9721 | 9722 | NS | 1 | 0.0 | 38.901 | 1.561 | 0.0 | 47.921 | 2.041 | 0.0 | 36.887 | 1.293 | 0.0 | 38.752 | 1.833 | 0.0 | 39.335 | 1.538 | 0.0 | 45.113 | 1.964 | 0.0 | 38.217 | 1.25 | 0.0 | 39.764 | 1.663 |
| 85 | 9721 | 9722 | NS | 1 | 0.0 | 55.523 | 6.012 | 0.0 | 52.578 | 6.876 | 0.0 | 47.915 | 4.702 | 0.0 | 48.523 | 5.951 | 0.0 | 56.203 | 6.002 | 0.0 | 54.07 | 6.631 | 0.0 | 49.454 | 4.673 | 0.0 | 49.352 | 5.295 |
| 86 | 9726 | 9727 | SN | 1 | 0.0 | 51.73 | 4.695 | 0.0 | 50.695 | 4.969 | 0.0 | 46.229 | 3.225 | 0.0 | 51.614 | 4.006 | 0.0 | 52.901 | 4.685 | 0.0 | 51.176 | 4.595 | 0.0 | 45.024 | 3.098 | 0.0 | 52.978 | 3.378 |
| 87 | 9726 | 9727 | SN | 1 | 0.0 | 51.73 | 4.494 | 0.0 | 50.695 | 4.709 | 0.0 | 43.918 | 3.283 | 0.0 | 44.769 | 3.804 | 0.0 | 52.901 | 4.474 | 0.0 | 51.176 | 4.354 | 0.0 | 44.607 | 3.127 | 0.0 | 46.573 | 3.249 |
| 88 | 9726 | 9727 | SN | 1 | 0.0 | 48.365 | 1.069 | 0.0 | 43.277 | 1.214 | 0.0 | 43.226 | 0.933 | 0.0 | 45.001 | 1.226 | 0.0 | 48.019 | 1.041 | 0.0 | 44.222 | 1.107 | 0.0 | 42.24 | 0.851 | 0.0 | 41.597 | 1.028 |
| 89 | 9726 | 9727 | SN | 1 | 0.0 | 48.365 | 1.025 | 0.0 | 43.905 | 1.161 | 0.0 | 43.226 | 0.924 | 0.0 | 45.001 | 1.167 | 0.0 | 48.019 | 0.989 | 0.0 | 44.817 | 1.064 | 0.0 | 42.24 | 0.839 | 0.0 | 41.597 | 0.981 |
| 90 | 9727 | 9728 | NS | 1 | 0.0 | 52.819 | 4.835 | 0.0 | 51.727 | 4.885 | 0.0 | 42.425 | 4.326 | 0.0 | 47.204 | 5.006 | 0.0 | 51.554 | 4.855 | 0.0 | 50.834 | 4.661 | 0.0 | 43.015 | 4.212 | 0.0 | 48.168 | 4.45 |
| 91 | 9727 | 9728 | SN | 1 | 0.0 | 49.905 | 1.039 | 0.0 | 46.866 | 1.484 | 0.0 | 47.001 | 1.164 | 0.0 | 45.081 | 1.311 | 0.0 | 51.083 | 1.016 | 0.0 | 46.202 | 1.369 | 0.0 | 45.568 | 1.107 | 0.0 | 43.728 | 1.124 |
| 92 | 9727 | 9728 | NS | 1 | 0.0 | 47.08 | 1.24 | 0.0 | 50.081 | 1.278 | 0.0 | 40.992 | 1.175 | 0.0 | 40.544 | 1.481 | 0.0 | 47.545 | 1.197 | 0.0 | 48.097 | 1.195 | 0.0 | 41.452 | 1.079 | 0.0 | 41.625 | 1.259 |
| 93 | 9727 | 9728 | NS | 1 | 0.0 | 46.953 | 1.247 | 0.0 | 46.132 | 1.294 | 0.0 | 44.223 | 1.166 | 0.0 | 39.603 | 1.462 | 0.0 | 48.556 | 1.213 | 0.0 | 44.147 | 1.206 | 0.0 | 44.681 | 1.075 | 0.0 | 38.461 | 1.227 |
| 94 | 9727 | 9728 | SN | 1 | 0.0 | 47.222 | 3.545 | 0.0 | 46.412 | 4.472 | 0.0 | 44.448 | 3.665 | 0.0 | 46.622 | 4.653 | 0.0 | 46.171 | 3.576 | 0.0 | 47.024 | 4.051 | 0.0 | 48.309 | 3.608 | 0.0 | 43.667 | 4.163 |
| 95 | 9727 | 9728 | SN | 1 | 0.0 | 49.905 | 1.023 | 0.0 | 46.866 | 1.461 | 0.0 | 47.001 | 1.148 | 0.0 | 45.081 | 1.291 | 0.0 | 51.083 | 1.0 | 0.0 | 46.202 | 1.348 | 0.0 | 45.568 | 1.089 | 0.0 | 43.728 | 1.107 |
| 96 | 9727 | 9728 | SN | 1 | 0.0 | 49.905 | 1.023 | 0.0 | 46.866 | 1.461 | 0.0 | 47.001 | 1.148 | 0.0 | 45.081 | 1.291 | 0.0 | 51.083 | 1.0 | 0.0 | 46.202 | 1.348 | 0.0 | 45.568 | 1.089 | 0.0 | 43.728 | 1.107 |
| 97 | 9727 | 9728 | SN | 1 | 0.0 | 47.222 | 3.49 | 0.0 | 46.412 | 4.404 | 0.0 | 44.448 | 3.609 | 0.0 | 46.622 | 4.582 | 0.0 | 46.171 | 3.52 | 0.0 | 47.024 | 3.989 | 0.0 | 48.309 | 3.552 | 0.0 | 43.667 | 4.099 |
| 98 | 9727 | 9728 | SN | 1 | 0.0 | 47.222 | 3.49 | 0.0 | 46.412 | 4.404 | 0.0 | 44.448 | 3.609 | 0.0 | 46.622 | 4.582 | 0.0 | 46.171 | 3.52 | 0.0 | 47.024 | 3.989 | 0.0 | 48.309 | 3.552 | 0.0 | 43.667 | 4.099 |
| 99 | 9727 | 9728 | NS | 1 | 0.0 | 52.821 | 4.825 | 0.0 | 48.546 | 4.916 | 0.0 | 43.463 | 4.297 | 0.0 | 47.253 | 4.991 | 0.0 | 51.554 | 4.825 | 0.0 | 48.589 | 4.671 | 0.0 | 44.057 | 4.155 | 0.0 | 48.216 | 4.371 |
| 100 | 9728 | 9729 | SN | 1 | 0.0 | 47.123 | 4.595 | 0.0 | 44.544 | 5.109 | 0.0 | 42.966 | 4.275 | 0.0 | 47.528 | 5.128 | 0.0 | 47.373 | 4.595 | 0.0 | 44.967 | 5.007 | 0.0 | 45.657 | 4.527 | 0.0 | 45.778 | 4.876 |
| 101 | 9728 | 9729 | SN | 1 | 0.0 | 47.123 | 4.626 | 0.0 | 44.544 | 5.109 | 0.0 | 42.966 | 4.261 | 0.0 | 47.528 | 5.143 | 0.0 | 47.373 | 4.636 | 0.0 | 44.963 | 4.986 | 0.0 | 45.657 | 4.52 | 0.0 | 45.778 | 4.869 |
| 102 | 9728 | 9729 | NS | 1 | 0.0 | 44.385 | 2.377 | 0.0 | 40.664 | 2.869 | 0.0 | 46.11 | 1.999 | 0.0 | 44.585 | 3.187 | 0.0 | 45.063 | 2.407 | 0.0 | 40.759 | 2.707 | 0.0 | 43.914 | 1.878 | 0.0 | 46.425 | 2.838 |
| 103 | 9728 | 9729 | SN | 1 | 0.0 | 41.288 | 1.192 | 0.0 | 43.995 | 1.66 | 0.0 | 42.351 | 1.356 | 0.0 | 43.126 | 1.928 | 0.0 | 41.992 | 1.187 | 0.0 | 40.858 | 1.585 | 0.0 | 41.63 | 1.353 | 0.0 | 42.94 | 1.721 |

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

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|-----|------|------|----|---|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|-------|
| 104 | 9728 | 9729 | SN | 1 | 0.0 | 41.288 | 1.215 | 0.0 | 43.995 | 1.672 | 0.0 | 42.462 | 1.377 | 0.0 | 38.115 | 1.944 | 0.0 | 41.992 | 1.208 | 0.0 | 40.858 | 1.594 | 0.0 | 41.63 | 1.375 | 0.0 | 38.919 | 1.74 |
| 105 | 9728 | 9729 | SN | 1 | 0.0 | 41.288 | 1.208 | 0.0 | 43.995 | 1.679 | 0.0 | 42.351 | 1.375 | 0.0 | 43.126 | 1.953 | 0.0 | 41.992 | 1.203 | 0.0 | 40.858 | 1.603 | 0.0 | 41.63 | 1.372 | 0.0 | 42.94 | 1.743 |
| 106 | 9728 | 9729 | NS | 1 | 0.0 | 41.057 | 0.52 | 0.0 | 41.648 | 0.802 | 0.0 | 40.715 | 0.643 | 0.0 | 41.662 | 0.977 | 0.0 | 39.104 | 0.505 | 0.0 | 40.953 | 0.723 | 0.0 | 37.447 | 0.578 | 0.0 | 42.5 | 0.814 |
| 107 | 9728 | 9729 | NS | 1 | 0.0 | 42.759 | 0.568 | 0.0 | 45.248 | 0.744 | 0.0 | 38.885 | 0.599 | 0.0 | 36.678 | 1.013 | 0.0 | 41.979 | 0.561 | 0.0 | 45.76 | 0.696 | 0.0 | 36.153 | 0.618 | 0.0 | 36.868 | 0.816 |
| 108 | 9728 | 9729 | SN | 1 | 0.0 | 47.123 | 4.562 | 0.0 | 44.544 | 5.032 | 0.0 | 42.966 | 4.204 | 0.0 | 47.528 | 5.078 | 0.0 | 47.373 | 4.573 | 0.0 | 44.963 | 4.91 | 0.0 | 45.657 | 4.46 | 0.0 | 45.778 | 4.794 |
| 109 | 9728 | 9729 | NS | 1 | 0.0 | 41.243 | 2.265 | 0.0 | 39.84 | 2.972 | 0.0 | 42.931 | 2.113 | 0.0 | 44.789 | 3.117 | 0.0 | 40.311 | 2.315 | 0.0 | 41.228 | 2.728 | 0.0 | 40.736 | 1.978 | 0.0 | 42.746 | 2.718 |
| 110 | 9729 | 9730 | SN | 1 | 0.0 | 46.574 | 4.261 | 0.0 | 49.809 | 5.25 | 0.0 | 46.603 | 3.962 | 0.0 | 46.153 | 5.35 | 0.0 | 46.624 | 4.209 | 0.0 | 52.54 | 4.867 | 0.0 | 46.6 | 4.02 | 0.0 | 42.311 | 4.894 |
| 111 | 9729 | 9730 | NS | 1 | 0.0 | 52.522 | 2.285 | 0.0 | 49.962 | 2.9 | 0.0 | 43.895 | 3.401 | 0.0 | 46.449 | 4.214 | 0.0 | 53.455 | 2.438 | 0.0 | 47.43 | 2.717 | 0.0 | 44.317 | 3.209 | 0.0 | 46.623 | 3.808 |
| 112 | 9729 | 9730 | NS | 1 | 0.0 | 53.259 | 2.285 | 0.0 | 49.232 | 2.911 | 0.0 | 43.658 | 3.366 | 0.0 | 46.039 | 4.214 | 0.0 | 53.735 | 2.417 | 0.0 | 46.7 | 2.717 | 0.0 | 43.04 | 3.202 | 0.0 | 45.938 | 3.922 |
| 113 | 9729 | 9730 | SN | 1 | 0.0 | 48.474 | 4.283 | 0.0 | 46.947 | 5.258 | 0.0 | 44.37 | 3.865 | 0.0 | 45.968 | 5.276 | 0.0 | 48.522 | 4.262 | 0.0 | 47.194 | 4.882 | 0.0 | 45.419 | 3.929 | 0.0 | 42.126 | 4.856 |
| 114 | 9729 | 9730 | SN | 1 | 0.0 | 48.474 | 4.283 | 0.0 | 46.947 | 5.258 | 0.0 | 44.37 | 3.865 | 0.0 | 45.968 | 5.276 | 0.0 | 48.522 | 4.262 | 0.0 | 47.194 | 4.882 | 0.0 | 45.419 | 3.929 | 0.0 | 42.126 | 4.856 |
| 115 | 9729 | 9730 | NS | 1 | 0.0 | 43.658 | 0.808 | 0.0 | 40.361 | 1.027 | 0.0 | 42.436 | 0.96 | 0.0 | 45.199 | 1.346 | 0.0 | 44.21 | 0.803 | 0.0 | 40.89 | 0.961 | 0.0 | 42.982 | 0.887 | 0.0 | 41.786 | 1.123 |
| 116 | 9729 | 9730 | NS | 1 | 0.0 | 43.723 | 0.84 | 0.0 | 40.146 | 1.027 | 0.0 | 39.781 | 0.968 | 0.0 | 45.094 | 1.396 | 0.0 | 44.277 | 0.844 | 0.0 | 40.673 | 0.959 | 0.0 | 41.757 | 0.908 | 0.0 | 41.68 | 1.17 |
| 117 | 9729 | 9730 | SN | 1 | 0.0 | 37.838 | 1.146 | 0.0 | 42.892 | 1.492 | 0.0 | 36.358 | 1.317 | 0.0 | 38.991 | 1.795 | 0.0 | 36.638 | 1.142 | 0.0 | 43.387 | 1.425 | 0.0 | 36.133 | 1.256 | 0.0 | 37.347 | 1.576 |
| 118 | 9729 | 9730 | SN | 1 | 0.0 | 43.188 | 1.138 | 0.0 | 43.977 | 1.47 | 0.0 | 36.358 | 1.309 | 0.0 | 38.709 | 1.769 | 0.0 | 42.358 | 1.14 | 0.0 | 44.472 | 1.418 | 0.0 | 36.025 | 1.253 | 0.0 | 37.347 | 1.56 |
| 119 | 9729 | 9730 | SN | 1 | 0.0 | 40.462 | 1.138 | 0.0 | 43.977 | 1.47 | 0.0 | 36.358 | 1.309 | 0.0 | 38.709 | 1.769 | 0.0 | 39.633 | 1.14 | 0.0 | 44.472 | 1.418 | 0.0 | 36.025 | 1.253 | 0.0 | 37.347 | 1.56 |
| 120 | 9730 | 9731 | NS | 1 | 0.0 | 45.182 | 0.785 | 0.0 | 52.183 | 0.992 | 0.0 | 43.905 | 0.86 | 0.0 | 44.156 | 1.075 | 0.0 | 46.605 | 0.799 | 0.0 | 52.481 | 0.895 | 0.0 | 40.999 | 0.814 | 0.0 | 43.882 | 0.929 |
| 121 | 9730 | 9731 | NS | 1 | 0.0 | 45.168 | 0.783 | 0.0 | 52.183 | 0.99 | 0.0 | 43.905 | 0.853 | 0.0 | 44.156 | 1.08 | 0.0 | 46.59 | 0.792 | 0.0 | 52.481 | 0.89 | 0.0 | 40.999 | 0.81 | 0.0 | 43.882 | 0.931 |
| 122 | 9730 | 9731 | SN | 1 | 0.0 | 53.658 | 4.046 | 0.0 | 53.472 | 5.611 | 0.0 | 48.638 | 4.856 | 0.0 | 44.179 | 7.08 | 0.0 | 53.564 | 4.127 | 0.0 | 54.494 | 5.338 | 0.0 | 46.011 | 4.92 | 0.0 | 44.679 | 6.442 |
| 123 | 9730 | 9731 | NS | 1 | 0.0 | 51.023 | 3.485 | 0.0 | 52.264 | 4.018 | 0.0 | 45.366 | 3.445 | 0.0 | 41.127 | 3.934 | 0.0 | 49.163 | 3.505 | 0.0 | 52.161 | 3.55 | 0.0 | 43.052 | 3.317 | 0.0 | 42.291 | 3.464 |
| 124 | 9730 | 9731 | SN | 1 | 0.0 | 53.873 | 4.151 | 0.0 | 53.472 | 5.735 | 0.0 | 40.674 | 4.958 | 0.0 | 46.628 | 7.15 | 0.0 | 53.802 | 4.244 | 0.0 | 54.494 | 5.495 | 0.0 | 40.534 | 5.06 | 0.0 | 47.995 | 6.528 |
| 125 | 9730 | 9731 | SN | 1 | 0.0 | 51.407 | 3.955 | 0.0 | 51.673 | 5.743 | 0.0 | 39.059 | 4.806 | 0.0 | 43.084 | 7.045 | 0.0 | 51.318 | 4.036 | 0.0 | 52.698 | 5.419 | 0.0 | 38.586 | 4.906 | 0.0 | 42.772 | 6.484 |
| 126 | 9730 | 9731 | NS | 1 | 0.0 | 51.023 | 3.475 | 0.0 | 52.264 | 3.998 | 0.0 | 44.835 | 3.438 | 0.0 | 41.136 | 3.948 | 0.0 | 49.163 | 3.495 | 0.0 | 52.163 | 3.54 | 0.0 | 42.521 | 3.303 | 0.0 | 42.303 | 3.478 |
| 127 | 9730 | 9731 | SN | 1 | 0.0 | 49.014 | 1.257 | 0.0 | 41.404 | 1.784 | 0.0 | 40.859 | 1.456 | 0.0 | 44.569 | 2.395 | 0.0 | 49.881 | 1.275 | 0.0 | 42.06 | 1.705 | 0.0 | 42.159 | 1.461 | 0.0 | 41.332 | 2.124 |
| 128 | 9730 | 9731 | SN | 1 | 0.0 | 43.324 | 1.252 | 0.0 | 41.631 | 1.802 | 0.0 | 45.38 | 1.488 | 0.0 | 40.471 | 2.331 | 0.0 | 44.247 | 1.259 | 0.0 | 42.083 | 1.671 | 0.0 | 42.838 | 1.452 | 0.0 | 41.348 | 2.097 |
| 129 | 9730 | 9731 | SN | 1 | 0.0 | 48.2 | 1.291 | 0.0 | 44.206 | 1.868 | 0.0 | 39.105 | 1.496 | 0.0 | 44.029 | 2.387 | 0.0 | 48.65 | 1.291 | 0.0 | 42.228 | 1.747 | 0.0 | 36.601 | 1.494 | 0.0 | 44.013 | 2.17 |
| 130 | 9731 | 9732 | SN | 1 | 0.0 | 40.917 | 2.286 | 0.0 | 44.17 | 3.429 | 0.0 | 45.076 | 2.333 | 0.0 | 42.262 | 3.284 | 0.0 | 41.841 | 2.288 | 0.0 | 48.011 | 3.443 | 0.0 | 44.686 | 2.414 | 0.0 | 37.292 | 3.18 |
| 131 | 9731 | 9732 | SN | 1 | 0.0 | 44.185 | 8.599 | 0.0 | 47.261 | 11.109 | 0.0 | 45.999 | 7.139 | 0.0 | 43.167 | 9.538 | 0.0 | 44.479 | 8.791 | 0.0 | 45.37 | 10.957 | 0.0 | 48.357 | 7.344 | 0.0 | 44.762 | 9.538 |
| 132 | 9731 | 9732 | SN | 1 | 0.0 | 48.642 | 8.67 | 0.0 | 49.312 | 11.16 | 0.0 | 45.293 | 7.16 | 0.0 | 43.964 | 9.474 | 0.0 | 48.935 | 8.771 | 0.0 | 46.251 | 10.916 | 0.0 | 47.652 | 7.394 | 0.0 | 43.272 | 9.395 |
| 133 | 9731 | 9732 | NS | 1 | 0.0 | 49.338 | 6.654 | 0.0 | 52.92 | 7.588 | 0.0 | 44.198 | 5.936 | 0.0 | 43.556 | 7.191 | 0.0 | 48.944 | 6.776 | 0.0 | 53.884 | 7.192 | 0.0 | 44.654 | 5.965 | 0.0 | 44.51 | 6.842 |
| 134 | 9731 | 9732 | NS | 1 | 0.0 | 49.159 | 6.614 | 0.0 | 52.805 | 7.548 | 0.0 | 45.394 | 5.929 | 0.0 | 43.432 | 7.156 | 0.0 | 48.765 | 6.756 | 0.0 | 53.258 | 7.181 | 0.0 | 44.61 | 6.0 | 0.0 | 44.616 | 6.856 |
| 135 | 9731 | 9732 | NS | 1 | 0.0 | 46.767 | 1.718 | 0.0 | 43.16 | 2.159 | 0.0 | 39.696 | 1.583 | 0.0 | 39.312 | 2.167 | 0.0 | 47.017 | 1.738 | 0.0 | 41.547 | 2.069 | 0.0 | 37.932 | 1.619 | 0.0 | 41.374 | 2.053 |
| 136 | 9731 | 9732 | NS | 1 | 0.0 | 46.732 | 1.727 | 0.0 | 43.157 | 2.143 | 0.0 | 39.756 | 1.589 | 0.0 | 40.635 | 2.176 | 0.0 | 46.982 | 1.745 | 0.0 | 41.316 | 2.055 | 0.0 | 37.932 | 1.612 | 0.0 | 44.246 | 2.067 |
| 137 | 9731 | 9732 | SN | 1 | 0.0 | 47.539 | 8.785 | 0.0 | 47.261 | 11.376 | 0.0 | 43.83 | 7.305 | 0.0 | 43.167 | 9.726 | 0.0 | 47.453 | 8.954 | 0.0 | 45.37 | 11.249 | 0.0 | 46.527 | 7.565 | 0.0 | 44.762 | 9.697 |
| 138 | 9731 | 9732 | SN | 1 | 0.0 | 42.671 | 2.228 | 0.0 | 47.68 | 3.367 | 0.0 | 37.504 | 2.273 | 0.0 | 44.27 | 3.204 | 0.0 | 42.168 | 2.241 | 0.0 | 51.823 | 3.291 | 0.0 | 37.855 | 2.33 | 0.0 | 46.7 | 3.096 |
| 139 | 9731 | 9732 | SN | 1 | 0.0 | 47.174 | 2.232 | 0.0 | 43.87 | 3.347 | 0.0 | 42.32 | 2.277 | 0.0 | 38.559 | 3.219 | 0.0 | 46.231 | 2.235 | 0.0 | 48.011 | 3.356 | 0.0 | 41.93 | 2.349 | 0.0 | 36.471 | 3.089 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|-------|
| 140 | 9732 | 9733 | SN | 1 | 0.0 | 48.54 | 2.311 | 0.0 | 48.808 | 3.474 | 0.0 | 48.65 | 2.099 | 0.0 | 41.053 | 2.868 | 0.0 | 49.441 | 2.356 | 0.0 | 48.644 | 3.377 | 0.0 | 46.674 | 2.119 | 0.0 | 44.823 | 2.804 |
| 141 | 9732 | 9733 | SN | 1 | 0.0 | 49.878 | 7.728 | 0.0 | 55.423 | 11.097 | 0.0 | 49.481 | 7.402 | 0.0 | 44.085 | 8.673 | 0.0 | 49.684 | 7.75 | 0.0 | 55.787 | 10.773 | 0.0 | 47.694 | 7.402 | 0.0 | 46.55 | 8.643 |
| 142 | 9732 | 9733 | NS | 1 | 0.0 | 43.797 | 1.564 | 0.0 | 43.127 | 2.187 | 0.0 | 38.03 | 1.744 | 0.0 | 46.692 | 2.273 | 0.0 | 45.977 | 1.616 | 0.0 | 45.433 | 2.189 | 0.0 | 38.683 | 1.68 | 0.0 | 41.131 | 2.15 |
| 143 | 9732 | 9733 | SN | 1 | 0.0 | 49.878 | 7.837 | 0.0 | 55.423 | 11.113 | 0.0 | 49.481 | 7.215 | 0.0 | 44.085 | 8.673 | 0.0 | 49.684 | 7.908 | 0.0 | 55.787 | 10.779 | 0.0 | 47.694 | 7.186 | 0.0 | 46.55 | 8.609 |
| 144 | 9732 | 9733 | NS | 1 | 0.0 | 45.063 | 1.587 | 0.0 | 42.264 | 2.212 | 0.0 | 38.03 | 1.746 | 0.0 | 38.946 | 2.267 | 0.0 | 45.886 | 1.623 | 0.0 | 45.301 | 2.223 | 0.0 | 40.254 | 1.683 | 0.0 | 38.648 | 2.128 |
| 145 | 9732 | 9733 | SN | 1 | 0.0 | 48.54 | 2.311 | 0.0 | 48.808 | 3.474 | 0.0 | 48.65 | 2.099 | 0.0 | 41.053 | 2.868 | 0.0 | 49.441 | 2.356 | 0.0 | 48.644 | 3.377 | 0.0 | 46.674 | 2.119 | 0.0 | 44.823 | 2.804 |
| 146 | 9732 | 9733 | NS | 1 | 0.0 | 49.83 | 5.942 | 0.0 | 51.713 | 7.04 | 0.0 | 44.784 | 5.759 | 0.0 | 46.201 | 6.694 | 0.0 | 51.224 | 6.034 | 0.0 | 52.524 | 7.07 | 0.0 | 45.459 | 5.972 | 0.0 | 48.273 | 6.737 |
| 147 | 9732 | 9733 | NS | 1 | 0.0 | 50.002 | 5.962 | 0.0 | 50.91 | 7.07 | 0.0 | 44.755 | 5.759 | 0.0 | 46.419 | 6.779 | 0.0 | 51.394 | 6.064 | 0.0 | 52.058 | 7.101 | 0.0 | 44.571 | 5.994 | 0.0 | 47.94 | 6.815 |
| 148 | 9732 | 9733 | SN | 1 | 0.0 | 49.878 | 7.837 | 0.0 | 55.423 | 11.113 | 0.0 | 49.481 | 7.215 | 0.0 | 44.085 | 8.673 | 0.0 | 49.684 | 7.908 | 0.0 | 55.787 | 10.779 | 0.0 | 47.694 | 7.186 | 0.0 | 46.55 | 8.609 |
| 149 | 9732 | 9733 | SN | 1 | 0.0 | 48.54 | 2.324 | 0.0 | 48.808 | 3.554 | 0.0 | 48.65 | 2.159 | 0.0 | 41.053 | 2.897 | 0.0 | 49.441 | 2.377 | 0.0 | 48.644 | 3.456 | 0.0 | 46.674 | 2.181 | 0.0 | 44.823 | 2.827 |
| 150 | 9733 | 9734 | SN | 1 | 0.0 | 53.865 | 8.051 | 0.0 | 52.87 | 9.964 | 0.0 | 45.677 | 5.918 | 0.0 | 45.179 | 7.366 | 0.0 | 54.582 | 7.99 | 0.0 | 52.171 | 9.467 | 0.0 | 45.293 | 5.627 | 0.0 | 47.055 | 6.754 |
| 151 | 9733 | 9734 | SN | 1 | 0.0 | 56.161 | 2.191 | 0.0 | 51.254 | 2.985 | 0.0 | 43.002 | 1.482 | 0.0 | 42.672 | 2.121 | 0.0 | 55.25 | 2.182 | 0.0 | 53.197 | 2.732 | 0.0 | 43.257 | 1.383 | 0.0 | 42.424 | 1.799 |
| 152 | 9733 | 9734 | SN | 1 | 0.0 | 56.161 | 2.191 | 0.0 | 51.254 | 2.985 | 0.0 | 43.002 | 1.482 | 0.0 | 42.672 | 2.121 | 0.0 | 55.25 | 2.182 | 0.0 | 53.197 | 2.732 | 0.0 | 43.257 | 1.383 | 0.0 | 42.424 | 1.799 |
| 153 | 9733 | 9734 | NS | 1 | 0.0 | 36.423 | 0.96 | 0.0 | 43.633 | 1.491 | 0.0 | 39.999 | 1.147 | 0.0 | 38.864 | 1.698 | 0.0 | 35.855 | 0.937 | 0.0 | 44.403 | 1.333 | 0.0 | 39.618 | 1.134 | 0.0 | 38.081 | 1.47 |
| 154 | 9733 | 9734 | NS | 1 | 0.0 | 40.101 | 0.951 | 0.0 | 43.633 | 1.494 | 0.0 | 39.999 | 1.143 | 0.0 | 38.864 | 1.709 | 0.0 | 39.368 | 0.942 | 0.0 | 44.403 | 1.333 | 0.0 | 39.618 | 1.136 | 0.0 | 37.085 | 1.479 |
| 155 | 9733 | 9734 | NS | 1 | 0.0 | 47.705 | 4.002 | 0.0 | 43.602 | 5.259 | 0.0 | 38.022 | 3.609 | 0.0 | 47.606 | 5.161 | 0.0 | 47.608 | 4.012 | 0.0 | 44.463 | 4.883 | 0.0 | 38.575 | 3.766 | 0.0 | 48.765 | 4.726 |
| 156 | 9733 | 9734 | NS | 1 | 0.0 | 47.705 | 4.012 | 0.0 | 43.602 | 5.259 | 0.0 | 38.022 | 3.602 | 0.0 | 47.753 | 5.161 | 0.0 | 47.608 | 4.033 | 0.0 | 44.463 | 4.883 | 0.0 | 38.575 | 3.751 | 0.0 | 46.422 | 4.712 |
| 157 | 9733 | 9734 | SN | 1 | 0.0 | 53.865 | 7.586 | 0.0 | 52.87 | 9.406 | 0.0 | 45.677 | 5.981 | 0.0 | 45.179 | 7.172 | 0.0 | 54.582 | 7.508 | 0.0 | 52.171 | 8.917 | 0.0 | 45.293 | 5.615 | 0.0 | 47.055 | 6.479 |
| 158 | 9733 | 9734 | SN | 1 | 0.0 | 53.865 | 8.051 | 0.0 | 52.87 | 9.964 | 0.0 | 45.677 | 5.918 | 0.0 | 45.179 | 7.366 | 0.0 | 54.582 | 7.99 | 0.0 | 52.171 | 9.467 | 0.0 | 45.293 | 5.627 | 0.0 | 47.055 | 6.754 |
| 159 | 9733 | 9734 | SN | 1 | 0.0 | 56.161 | 2.154 | 0.0 | 51.254 | 2.929 | 0.0 | 43.002 | 1.481 | 0.0 | 42.672 | 2.05 | 0.0 | 55.25 | 2.136 | 0.0 | 53.197 | 2.685 | 0.0 | 43.257 | 1.368 | 0.0 | 42.424 | 1.698 |
| 160 | 9734 | 9735 | SN | 1 | 0.0 | 48.633 | 0.901 | 0.0 | 45.963 | 1.416 | 0.0 | 37.682 | 0.943 | 0.0 | 42.578 | 1.407 | 0.0 | 49.208 | 0.887 | 0.0 | 45.076 | 1.265 | 0.0 | 35.478 | 0.916 | 0.0 | 37.868 | 1.241 |
| 161 | 9734 | 9735 | NS | 1 | 0.0 | 44.533 | 1.148 | 0.0 | 49.589 | 1.48 | 0.0 | 45.89 | 0.949 | 0.0 | 49.122 | 1.493 | 0.0 | 44.241 | 1.148 | 0.0 | 53.98 | 1.401 | 0.0 | 44.346 | 0.917 | 0.0 | 49.126 | 1.23 |
| 162 | 9734 | 9735 | NS | 1 | 0.0 | 51.063 | 4.703 | 0.0 | 51.224 | 5.445 | 0.0 | 48.953 | 3.522 | 0.0 | 53.54 | 4.514 | 0.0 | 51.81 | 4.764 | 0.0 | 51.655 | 5.251 | 0.0 | 45.476 | 3.486 | 0.0 | 56.337 | 4.051 |
| 163 | 9734 | 9735 | SN | 1 | 0.0 | 46.987 | 3.146 | 0.0 | 51.676 | 4.404 | 0.0 | 45.107 | 3.395 | 0.0 | 47.487 | 4.835 | 0.0 | 48.487 | 3.044 | 0.0 | 50.391 | 3.988 | 0.0 | 46.474 | 3.268 | 0.0 | 46.223 | 4.394 |
| 164 | 9734 | 9735 | SN | 1 | 0.0 | 46.987 | 3.146 | 0.0 | 50.737 | 4.404 | 0.0 | 45.084 | 3.388 | 0.0 | 50.355 | 4.82 | 0.0 | 48.487 | 3.044 | 0.0 | 50.391 | 3.978 | 0.0 | 46.45 | 3.275 | 0.0 | 51.755 | 4.422 |
| 165 | 9734 | 9735 | NS | 1 | 0.0 | 46.832 | 1.156 | 0.0 | 49.775 | 1.464 | 0.0 | 45.329 | 0.951 | 0.0 | 53.102 | 1.483 | 0.0 | 47.71 | 1.134 | 0.0 | 50.828 | 1.36 | 0.0 | 44.346 | 0.935 | 0.0 | 56.569 | 1.278 |
| 166 | 9734 | 9735 | NS | 1 | 0.0 | 49.035 | 4.754 | 0.0 | 56.182 | 5.534 | 0.0 | 47.892 | 3.274 | 0.0 | 49.656 | 4.641 | 0.0 | 49.645 | 4.886 | 0.0 | 55.586 | 5.371 | 0.0 | 45.364 | 3.424 | 0.0 | 49.017 | 4.049 |
| 167 | 9734 | 9735 | SN | 1 | 0.0 | 47.663 | 0.894 | 0.0 | 45.963 | 1.416 | 0.0 | 37.001 | 0.941 | 0.0 | 39.408 | 1.413 | 0.0 | 49.333 | 0.881 | 0.0 | 45.076 | 1.265 | 0.0 | 35.225 | 0.916 | 0.0 | 36.17 | 1.248 |
| 168 | 9735 | 9736 | NS | 1 | 0.0 | 47.677 | 1.928 | 0.0 | 49.459 | 2.346 | 0.0 | 43.772 | 1.494 | 0.0 | 42.21 | 2.008 | 0.0 | 47.438 | 1.964 | 0.0 | 48.854 | 2.26 | 0.0 | 43.532 | 1.421 | 0.0 | 38.719 | 1.787 |
| 169 | 9735 | 9736 | SN | 1 | 0.0 | 41.388 | 1.002 | 0.0 | 41.062 | 1.439 | 0.0 | 40.052 | 0.999 | 0.0 | 41.091 | 1.489 | 0.0 | 41.314 | 1.059 | 0.0 | 38.324 | 1.459 | 0.0 | 37.678 | 1.021 | 0.0 | 40.479 | 1.383 |
| 170 | 9735 | 9736 | NS | 1 | 0.0 | 53.345 | 7.74 | 0.0 | 52.511 | 8.559 | 0.0 | 47.114 | 6.161 | 0.0 | 47.83 | 6.832 | 0.0 | 53.412 | 7.74 | 0.0 | 52.485 | 8.457 | 0.0 | 46.158 | 6.061 | 0.0 | 46.992 | 6.354 |
| 171 | 9735 | 9736 | NS | 1 | 0.0 | 53.345 | 7.72 | 0.0 | 52.511 | 8.539 | 0.0 | 47.632 | 6.175 | 0.0 | 47.83 | 6.875 | 0.0 | 53.412 | 7.699 | 0.0 | 52.485 | 8.478 | 0.0 | 46.158 | 6.019 | 0.0 | 46.992 | 6.369 |
| 172 | 9735 | 9736 | NS | 1 | 0.0 | 47.677 | 1.939 | 0.0 | 49.459 | 2.346 | 0.0 | 43.772 | 1.5 | 0.0 | 42.21 | 2.01 | 0.0 | 47.438 | 1.966 | 0.0 | 48.854 | 2.267 | 0.0 | 43.532 | 1.407 | 0.0 | 38.719 | 1.791 |
| 173 | 9735 | 9736 | SN | 1 | 0.0 | 44.653 | 4.209 | 0.0 | 51.398 | 5.197 | 0.0 | 43.605 | 3.467 | 0.0 | 40.439 | 4.778 | 0.0 | 46.592 | 4.401 | 0.0 | 51.223 | 5.166 | 0.0 | 43.409 | 3.644 | 0.0 | 39.037 | 4.778 |
| 174 | 9736 | 9737 | NS | 1 | 0.0 | 43.304 | 1.416 | 0.0 | 48.382 | 2.1 | 0.0 | 36.454 | 1.439 | 0.0 | 51.124 | 2.114 | 0.0 | 42.663 | 1.434 | 0.0 | 48.157 | 2.075 | 0.0 | 37.931 | 1.503 | 0.0 | 49.728 | 2.075 |
| 175 | 9736 | 9737 | NS | 1 | 0.0 | 52.415 | 5.097 | 0.0 | 52.484 | 6.734 | 0.0 | 46.232 | 4.964 | 0.0 | 52.163 | 6.614 | 0.0 | 52.051 | 5.168 | 0.0 | 50.351 | 6.724 | 0.0 | 45.586 | 5.021 | 0.0 | 50.771 | 6.55 |

| | | | | | |
|--------------------------|------------|------|--------|--------|------------|
| 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 | 9712 | 9713 | SN | 1 | 0.0 | 27.575 | 13.136 | 0.0 | 277.529 | 13.02 | 0.0 | 159.952 | 12.955 | 0.0 | 243.104 | 15.137 | 0.0 | 1.513 | 0.0 | 1.938 | 0.0 | 0.0 | 2.088 | 0.0 | 0.0 | 2.395 | 0.0 | |
| 2 | 9712 | 9713 | SN | 1 | 0.0 | 24.277 | 7.009 | 0.0 | 126.23 | 8.611 | 0.0 | 155.611 | 4.182 | 0.0 | 227.276 | 5.313 | 0.0 | 1.626 | 0.0 | 1.875 | 0.0 | 0.0 | 2.126 | 0.0 | 0.0 | 2.389 | 0.0 | |
| 3 | 9712 | 9713 | SN | 1 | 0.0 | 24.277 | 7.061 | 0.0 | 126.23 | 8.617 | 0.0 | 155.611 | 4.257 | 0.0 | 227.276 | 5.251 | 0.0 | 1.626 | 0.0 | 1.875 | 0.0 | 0.0 | 2.126 | 0.0 | 0.0 | 2.389 | 0.0 | |
| 4 | 9712 | 9713 | NS | 1 | 0.0 | 255.254 | 5.256 | 0.0 | 25.739 | 6.42 | 0.0 | 116.866 | 0.871 | 0.0 | 34.926 | 1.593 | 0.0 | 1.372 | 0.0 | 1.742 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 2.096 | 0.0 | |
| 5 | 9712 | 9713 | NS | 1 | 0.0 | 255.254 | 5.256 | 0.0 | 25.739 | 6.42 | 0.0 | 116.866 | 0.871 | 0.0 | 34.926 | 1.593 | 0.0 | 1.372 | 0.0 | 1.742 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 2.096 | 0.0 | |
| 6 | 9712 | 9713 | NS | 1 | 0.0 | 256.489 | 11.704 | 0.0 | 29.638 | 13.131 | 0.0 | 242.701 | 7.276 | 0.0 | 35.213 | 10.171 | 0.0 | 1.385 | 0.0 | 1.744 | 0.0 | 0.0 | 1.793 | 0.0 | 0.0 | 2.092 | 0.0 | |
| 7 | 9712 | 9713 | NS | 1 | 0.0 | 256.489 | 11.704 | 0.0 | 29.638 | 13.131 | 0.0 | 242.701 | 7.276 | 0.0 | 35.213 | 10.171 | 0.0 | 1.385 | 0.0 | 1.744 | 0.0 | 0.0 | 1.793 | 0.0 | 0.0 | 2.092 | 0.0 | |
| 8 | 9712 | 9713 | SN | 1 | 0.0 | 24.277 | 7.009 | 0.0 | 126.23 | 8.611 | 0.0 | 155.611 | 4.184 | 0.0 | 227.276 | 5.311 | 0.0 | 1.626 | 0.0 | 1.875 | 0.0 | 0.0 | 2.126 | 0.0 | 0.0 | 2.389 | 0.0 | |
| 9 | 9712 | 9713 | SN | 1 | 0.0 | 27.575 | 13.174 | 0.0 | 277.529 | 12.795 | 0.0 | 159.952 | 13.136 | 0.0 | 243.104 | 14.737 | 0.0 | 1.513 | 0.0 | 1.938 | 0.0 | 0.0 | 2.088 | 0.0 | 0.0 | 2.395 | 0.0 | |
| 10 | 9712 | 9713 | SN | 1 | 0.0 | 27.575 | 13.136 | 0.0 | 277.529 | 13.02 | 0.0 | 159.952 | 12.955 | 0.0 | 243.104 | 15.137 | 0.0 | 1.513 | 0.0 | 1.938 | 0.0 | 0.0 | 2.088 | 0.0 | 0.0 | 2.395 | 0.0 | |
| 11 | 9713 | 9714 | SN | 1 | 0.0 | 63.726 | 7.022 | 0.0 | 23.588 | 8.626 | 0.0 | 162.367 | 4.172 | 0.0 | 75.878 | 5.338 | 0.0 | 1.58 | 0.0 | 1.865 | 0.0 | 0.0 | 2.1 | 0.0 | 0.0 | 2.34 | 0.0 | |
| 12 | 9713 | 9714 | SN | 1 | 0.0 | 63.792 | 13.186 | 0.0 | 25.352 | 12.869 | 0.0 | 155.799 | 13.078 | 0.0 | 31.0 | 14.944 | 0.0 | 1.479 | 0.0 | 1.902 | 0.0 | 0.0 | 2.096 | 0.0 | 0.0 | 2.364 | 0.0 | |
| 13 | 9713 | 9714 | SN | 1 | 0.0 | 63.726 | 7.055 | 0.0 | 23.588 | 8.643 | 0.0 | 162.367 | 4.217 | 0.0 | 30.625 | 5.274 | 0.0 | 1.58 | 0.0 | 1.865 | 0.0 | 0.0 | 2.1 | 0.0 | 0.0 | 2.34 | 0.0 | |
| 14 | 9713 | 9714 | NS | 1 | 0.0 | 18.674 | 5.291 | 0.0 | 25.739 | 6.394 | 0.0 | 351.391 | 0.858 | 0.0 | 21.018 | 1.524 | 0.0 | 1.37 | 0.0 | 1.742 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 2.096 | 0.0 | |
| 15 | 9713 | 9714 | SN | 1 | 0.0 | 63.792 | 13.156 | 0.0 | 25.352 | 12.99 | 0.0 | 155.799 | 12.98 | 0.0 | 131.883 | 15.143 | 0.0 | 1.479 | 0.0 | 1.902 | 0.0 | 0.0 | 2.096 | 0.0 | 0.0 | 2.364 | 0.0 | |
| 16 | 9713 | 9714 | NS | 1 | 0.0 | 18.674 | 5.289 | 0.0 | 25.739 | 6.381 | 0.0 | 351.386 | 0.857 | 0.0 | 21.018 | 1.513 | 0.0 | 1.37 | 0.0 | 1.742 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 2.095 | 0.0 | |
| 17 | 9713 | 9714 | NS | 1 | 0.0 | 22.016 | 11.692 | 0.0 | 31.827 | 13.179 | 0.0 | 128.833 | 7.195 | 0.0 | 37.011 | 10.004 | 0.0 | 1.384 | 0.0 | 1.743 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.094 | 0.0 | |
| 18 | 9713 | 9714 | NS | 1 | 0.0 | 22.016 | 11.692 | 0.0 | 31.827 | 13.179 | 0.0 | 128.833 | 7.181 | 0.0 | 37.006 | 10.004 | 0.0 | 1.384 | 0.0 | 1.743 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.094 | 0.0 | |
| 19 | 9713 | 9714 | SN | 1 | 0.0 | 63.726 | 7.05 | 0.0 | 23.588 | 8.643 | 0.0 | 162.367 | 4.215 | 0.0 | 30.625 | 5.274 | 0.0 | 1.58 | 0.0 | 1.865 | 0.0 | 0.0 | 2.1 | 0.0 | 0.0 | 2.34 | 0.0 | |
| 20 | 9714 | 9715 | NS | 1 | 0.0 | 201.344 | 11.701 | 0.0 | 31.855 | 13.159 | 0.0 | 109.205 | 7.224 | 0.0 | 35.919 | 9.862 | 0.0 | 1.384 | 0.0 | 1.743 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 2.095 | 0.0 | |
| 21 | 9714 | 9715 | SN | 1 | 0.0 | 30.928 | 13.046 | 0.0 | 72.453 | 13.01 | 0.0 | 151.221 | 13.016 | 0.0 | 139.67 | 15.178 | 0.0 | 1.461 | 0.0 | 1.89 | 0.0 | 0.0 | 2.081 | 0.0 | 0.0 | 2.328 | 0.0 | |
| 22 | 9714 | 9715 | SN | 1 | 0.0 | 30.928 | 13.046 | 0.0 | 72.453 | 13.01 | 0.0 | 151.221 | 13.016 | 0.0 | 139.67 | 15.178 | 0.0 | 1.461 | 0.0 | 1.89 | 0.0 | 0.0 | 2.081 | 0.0 | 0.0 | 2.328 | 0.0 | |
| 23 | 9714 | 9715 | SN | 1 | 0.0 | 24.277 | 7.08 | 0.0 | 23.874 | 8.662 | 0.0 | 140.671 | 4.191 | 0.0 | 18.078 | 5.251 | 0.0 | 1.563 | 0.0 | 1.854 | 0.0 | 0.0 | 2.081 | 0.0 | 0.0 | 2.314 | 0.0 | |
| 24 | 9714 | 9715 | SN | 1 | 0.0 | 24.277 | 7.051 | 0.0 | 23.874 | 8.646 | 0.0 | 140.671 | 4.139 | 0.0 | 74.213 | 5.313 | 0.0 | 1.563 | 0.0 | 1.854 | 0.0 | 0.0 | 2.081 | 0.0 | 0.0 | 2.314 | 0.0 | |
| 25 | 9714 | 9715 | SN | 1 | 0.0 | 30.928 | 13.068 | 0.0 | 72.453 | 12.861 | 0.0 | 151.221 | 13.14 | 0.0 | 18.591 | 14.918 | 0.0 | 1.461 | 0.0 | 1.89 | 0.0 | 0.0 | 2.081 | 0.0 | 0.0 | 2.328 | 0.0 | |
| 26 | 9714 | 9715 | SN | 1 | 0.0 | 24.277 | 7.051 | 0.0 | 23.874 | 8.646 | 0.0 | 140.671 | 4.139 | 0.0 | 74.213 | 5.313 | 0.0 | 1.563 | 0.0 | 1.854 | 0.0 | 0.0 | 2.081 | 0.0 | 0.0 | 2.314 | 0.0 | |
| 27 | 9714 | 9715 | NS | 1 | 0.0 | 201.344 | 11.701 | 0.0 | 31.855 | 13.159 | 0.0 | 109.205 | 7.224 | 0.0 | 35.919 | 9.862 | 0.0 | 1.384 | 0.0 | 1.743 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 2.095 | 0.0 | |
| 28 | 9714 | 9715 | NS | 1 | 0.0 | 77.127 | 5.311 | 0.0 | 25.722 | 6.374 | 0.0 | 337.091 | 0.857 | 0.0 | 21.393 | 1.465 | 0.0 | 1.37 | 0.0 | 1.742 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 2.096 | 0.0 | |
| 29 | 9714 | 9715 | NS | 1 | 0.0 | 77.127 | 5.311 | 0.0 | 25.722 | 6.374 | 0.0 | 337.091 | 0.857 | 0.0 | 21.393 | 1.467 | 0.0 | 1.37 | 0.0 | 1.742 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 2.096 | 0.0 | |
| 30 | 9715 | 9716 | NS | 1 | 0.0 | 237.766 | 11.722 | 0.0 | 30.741 | 13.159 | 0.0 | 106.067 | 7.167 | 0.0 | 36.487 | 9.904 | 0.0 | 1.385 | 0.0 | 1.742 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 2.096 | 0.0 | |
| 31 | 9715 | 9716 | NS | 1 | 0.0 | 211.376 | 11.761 | 0.0 | 29.621 | 13.131 | 0.0 | 354.623 | 7.193 | 0.0 | 38.55 | 9.922 | 0.0 | 1.383 | 0.0 | 1.743 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 2.094 | 0.0 | |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 32 | 9715 | 9716 | SN | 1 | 0.0 | 30.912 | 13.096 | 0.0 | 25.452 | 12.756 | 0.0 | 183.843 | 13.256 | 0.0 | 159.271 | 14.803 | 0.0 | 1.436 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.301 | 0.0 |
| 33 | 9715 | 9716 | SN | 1 | 0.0 | 30.912 | 13.058 | 0.0 | 25.452 | 12.952 | 0.0 | 183.843 | 13.062 | 0.0 | 159.271 | 15.202 | 0.0 | 1.436 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.301 | 0.0 |
| 34 | 9715 | 9716 | SN | 1 | 0.0 | 30.912 | 13.038 | 0.0 | 136.521 | 12.952 | 0.0 | 183.776 | 13.055 | 0.0 | 261.497 | 15.195 | 0.0 | 1.435 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.301 | 0.0 |
| 35 | 9715 | 9716 | NS | 1 | 0.0 | 79.468 | 5.314 | 0.0 | 25.722 | 6.408 | 0.0 | 306.372 | 0.841 | 0.0 | 21.817 | 1.497 | 0.0 | 1.372 | 0.0 | 0.0 | 1.741 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 2.095 | 0.0 |
| 36 | 9715 | 9716 | NS | 1 | 0.0 | 191.649 | 5.319 | 0.0 | 25.722 | 6.402 | 0.0 | 142.885 | 0.842 | 0.0 | 22.92 | 1.489 | 0.0 | 1.372 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.804 | 0.0 | 0.0 | 2.095 | 0.0 |
| 37 | 9715 | 9716 | SN | 1 | 0.0 | 24.349 | 7.132 | 0.0 | 67.035 | 8.669 | 0.0 | 169.112 | 4.215 | 0.0 | 157.484 | 5.243 | 0.0 | 1.556 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.055 | 0.0 | 0.0 | 2.276 | 0.0 |
| 38 | 9715 | 9716 | SN | 1 | 0.0 | 24.349 | 7.082 | 0.0 | 23.593 | 8.664 | 0.0 | 169.057 | 4.126 | 0.0 | 76.369 | 5.298 | 0.0 | 1.549 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.055 | 0.0 | 0.0 | 2.276 | 0.0 |
| 39 | 9715 | 9716 | SN | 1 | 0.0 | 24.349 | 7.077 | 0.0 | 67.035 | 8.652 | 0.0 | 169.112 | 4.135 | 0.0 | 157.484 | 5.291 | 0.0 | 1.556 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.055 | 0.0 | 0.0 | 2.276 | 0.0 |
| 40 | 9716 | 9717 | NS | 1 | 0.0 | 252.576 | 5.276 | 0.0 | 25.722 | 6.41 | 0.0 | 174.867 | 0.857 | 0.0 | 23.24 | 1.523 | 0.0 | 1.371 | 0.0 | 0.0 | 1.741 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 2.095 | 0.0 |
| 41 | 9716 | 9717 | NS | 1 | 0.0 | 252.57 | 5.292 | 0.0 | 25.722 | 6.408 | 0.0 | 140.795 | 0.855 | 0.0 | 23.235 | 1.539 | 0.0 | 1.371 | 0.0 | 0.0 | 1.741 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 2.095 | 0.0 |
| 42 | 9716 | 9717 | SN | 1 | 0.0 | 27.575 | 12.997 | 0.0 | 71.301 | 12.995 | 0.0 | 167.303 | 13.021 | 0.0 | 114.489 | 15.182 | 0.0 | 1.431 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 1.982 | 0.0 | 0.0 | 2.258 | 0.0 |
| 43 | 9716 | 9717 | NS | 1 | 0.0 | 258.248 | 11.744 | 0.0 | 29.621 | 13.131 | 0.0 | 218.138 | 7.232 | 0.0 | 39.344 | 9.984 | 0.0 | 1.385 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 2.095 | 0.0 |
| 44 | 9716 | 9717 | NS | 1 | 0.0 | 258.243 | 11.755 | 0.0 | 29.621 | 13.11 | 0.0 | 225.555 | 7.232 | 0.0 | 39.344 | 10.006 | 0.0 | 1.385 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 2.095 | 0.0 |
| 45 | 9716 | 9717 | SN | 1 | 0.0 | 27.575 | 12.997 | 0.0 | 71.301 | 12.995 | 0.0 | 167.303 | 13.021 | 0.0 | 114.489 | 15.182 | 0.0 | 1.431 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 1.982 | 0.0 | 0.0 | 2.258 | 0.0 |
| 46 | 9716 | 9717 | SN | 1 | 0.0 | 24.376 | 7.089 | 0.0 | 69.271 | 8.668 | 0.0 | 178.493 | 4.095 | 0.0 | 111.968 | 5.227 | 0.0 | 1.512 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.019 | 0.0 | 0.0 | 2.237 | 0.0 |
| 47 | 9716 | 9717 | SN | 1 | 0.0 | 24.376 | 7.089 | 0.0 | 69.271 | 8.668 | 0.0 | 178.493 | 4.095 | 0.0 | 111.968 | 5.227 | 0.0 | 1.512 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.019 | 0.0 | 0.0 | 2.237 | 0.0 |
| 48 | 9716 | 9717 | SN | 1 | 0.0 | 27.575 | 13.047 | 0.0 | 71.301 | 12.634 | 0.0 | 167.303 | 13.321 | 0.0 | 23.706 | 14.554 | 0.0 | 1.431 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 1.982 | 0.0 | 0.0 | 2.258 | 0.0 |
| 49 | 9716 | 9717 | SN | 1 | 0.0 | 24.376 | 7.177 | 0.0 | 69.271 | 8.687 | 0.0 | 178.493 | 4.218 | 0.0 | 72.103 | 5.206 | 0.0 | 1.512 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.019 | 0.0 | 0.0 | 2.237 | 0.0 |
| 50 | 9717 | 9718 | SN | 1 | 0.0 | 24.36 | 7.225 | 0.0 | 23.582 | 8.689 | 0.0 | 185.839 | 4.304 | 0.0 | 16.777 | 5.233 | 0.0 | 1.463 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 1.961 | 0.0 | 0.0 | 2.193 | 0.0 |
| 51 | 9717 | 9718 | SN | 1 | 0.0 | 27.691 | 12.897 | 0.0 | 25.43 | 12.998 | 0.0 | 147.543 | 13.035 | 0.0 | 59.645 | 15.156 | 0.0 | 1.437 | 0.0 | 0.0 | 1.816 | 0.0 | 0.0 | 1.935 | 0.0 | 0.0 | 2.215 | 0.0 |
| 52 | 9717 | 9718 | SN | 1 | 0.0 | 24.36 | 7.102 | 0.0 | 23.582 | 8.681 | 0.0 | 185.839 | 4.105 | 0.0 | 117.285 | 5.208 | 0.0 | 1.463 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 1.961 | 0.0 | 0.0 | 2.193 | 0.0 |
| 53 | 9717 | 9718 | NS | 1 | 0.0 | 158.369 | 5.303 | 0.0 | 25.739 | 6.41 | 0.0 | 353.454 | 0.851 | 0.0 | 23.621 | 1.575 | 0.0 | 1.371 | 0.0 | 0.0 | 1.741 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 2.094 | 0.0 |
| 54 | 9717 | 9718 | NS | 1 | 0.0 | 219.296 | 5.307 | 0.0 | 25.739 | 6.415 | 0.0 | 353.454 | 0.851 | 0.0 | 23.632 | 1.577 | 0.0 | 1.371 | 0.0 | 0.0 | 1.741 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 2.094 | 0.0 |
| 55 | 9717 | 9718 | NS | 1 | 0.0 | 96.207 | 11.785 | 0.0 | 29.638 | 13.131 | 0.0 | 356.272 | 7.174 | 0.0 | 39.664 | 10.086 | 0.0 | 1.385 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 2.095 | 0.0 |
| 56 | 9717 | 9718 | SN | 1 | 0.0 | 24.36 | 7.107 | 0.0 | 23.582 | 8.684 | 0.0 | 185.839 | 4.107 | 0.0 | 117.274 | 5.208 | 0.0 | 1.463 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 1.961 | 0.0 | 0.0 | 2.193 | 0.0 |
| 57 | 9717 | 9718 | NS | 1 | 0.0 | 158.369 | 11.761 | 0.0 | 29.643 | 13.141 | 0.0 | 354.854 | 7.229 | 0.0 | 33.708 | 10.094 | 0.0 | 1.385 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 2.091 | 0.0 |
| 58 | 9717 | 9718 | SN | 1 | 0.0 | 27.691 | 12.959 | 0.0 | 25.43 | 12.537 | 0.0 | 147.543 | 13.476 | 0.0 | 16.815 | 14.468 | 0.0 | 1.437 | 0.0 | 0.0 | 1.816 | 0.0 | 0.0 | 1.935 | 0.0 | 0.0 | 2.215 | 0.0 |
| 59 | 9717 | 9718 | SN | 1 | 0.0 | 27.691 | 12.897 | 0.0 | 25.43 | 12.987 | 0.0 | 147.543 | 13.042 | 0.0 | 59.639 | 15.149 | 0.0 | 1.437 | 0.0 | 0.0 | 1.816 | 0.0 | 0.0 | 1.935 | 0.0 | 0.0 | 2.215 | 0.0 |
| 60 | 9718 | 9719 | SN | 1 | 0.0 | 21.133 | 7.085 | 0.0 | 23.571 | 8.654 | 0.0 | 158.457 | 4.122 | 0.0 | 264.061 | 5.244 | 0.0 | 1.422 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 1.877 | 0.0 | 0.0 | 2.17 | 0.0 |
| 61 | 9718 | 9719 | SN | 1 | 0.0 | 27.432 | 12.973 | 0.0 | 25.369 | 13.028 | 0.0 | 161.021 | 12.995 | 0.0 | 224.579 | 15.119 | 0.0 | 1.449 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 1.872 | 0.0 | 0.0 | 2.171 | 0.0 |
| 62 | 9718 | 9719 | SN | 1 | 0.0 | 27.432 | 13.064 | 0.0 | 25.369 | 12.477 | 0.0 | 161.021 | 13.607 | 0.0 | 224.579 | 14.346 | 0.0 | 1.449 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 1.872 | 0.0 | 0.0 | 2.171 | 0.0 |
| 63 | 9718 | 9719 | NS | 1 | 0.0 | 16.749 | 5.286 | 0.0 | 25.766 | 6.424 | 0.0 | 237.319 | 0.855 | 0.0 | 24.222 | 1.573 | 0.0 | 1.371 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.095 | 0.0 |
| 64 | 9718 | 9719 | SN | 1 | 0.0 | 27.432 | 12.973 | 0.0 | 25.369 | 13.028 | 0.0 | 161.021 | 12.995 | 0.0 | 224.579 | 15.119 | 0.0 | 1.449 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 1.872 | 0.0 | 0.0 | 2.171 | 0.0 |
| 65 | 9718 | 9719 | NS | 1 | 0.0 | 22.021 | 11.724 | 0.0 | 29.643 | 13.142 | 0.0 | 238.56 | 7.311 | 0.0 | 34.463 | 10.136 | 0.0 | 1.385 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.793 | 0.0 | 0.0 | 2.092 | 0.0 |
| 66 | 9718 | 9719 | NS | 1 | 0.0 | 16.749 | 5.286 | 0.0 | 25.766 | 6.433 | 0.0 | 237.324 | 0.857 | 0.0 | 22.975 | 1.586 | 0.0 | 1.37 | 0.0 | 0.0 | 1.741 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.095 | 0.0 |
| 67 | 9718 | 9719 | SN | 1 | 0.0 | 21.133 | 7.297 | 0.0 | 23.571 | 8.673 | 0.0 | 158.457 | 4.42 | 0.0 | 264.061 | 5.358 | 0.0 | 1.422 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 1.877 | 0.0 | 0.0 | 2.17 | 0.0 |
| 68 | 9718 | 9719 | SN | 1 | 0.0 | 21.133 | 7.085 | 0.0 | 23.571 | 8.654 | 0.0 | 158.457 | 4.122 | 0.0 | 264.061 | 5.244 | 0.0 | 1.422 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 1.877 | 0.0 | 0.0 | 2.17 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 69 | 9718 | 9719 | NS | 1 | 0.0 | 22.021 | 11.704 | 0.0 | 29.638 | 13.142 | 0.0 | 238.554 | 7.311 | 0.0 | 34.463 | 10.129 | 0.0 | 1.386 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 2.092 | 0.0 |
| 70 | 9719 | 9720 | SN | 1 | 0.0 | 27.481 | 13.076 | 0.0 | 95.043 | 12.969 | 0.0 | 158.766 | 12.941 | 0.0 | 36.995 | 15.052 | 0.0 | 1.431 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.171 | 0.0 |
| 71 | 9719 | 9720 | SN | 1 | 0.0 | 21.139 | 7.041 | 0.0 | 23.577 | 8.647 | 0.0 | 164.584 | 4.066 | 0.0 | 266.901 | 5.138 | 0.0 | 1.418 | 0.0 | 0.0 | 1.81 | 0.0 | 0.0 | 1.876 | 0.0 | 0.0 | 2.169 | 0.0 |
| 72 | 9719 | 9720 | SN | 1 | 0.0 | 21.139 | 7.041 | 0.0 | 23.577 | 8.647 | 0.0 | 164.584 | 4.066 | 0.0 | 266.901 | 5.138 | 0.0 | 1.418 | 0.0 | 0.0 | 1.81 | 0.0 | 0.0 | 1.876 | 0.0 | 0.0 | 2.169 | 0.0 |
| 73 | 9719 | 9720 | NS | 1 | 0.0 | 141.749 | 5.295 | 0.0 | 25.766 | 6.417 | 0.0 | 122.943 | 0.846 | 0.0 | 34.882 | 1.643 | 0.0 | 1.371 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.096 | 0.0 |
| 74 | 9719 | 9720 | NS | 1 | 0.0 | 264.475 | 5.29 | 0.0 | 25.766 | 6.417 | 0.0 | 241.108 | 0.843 | 0.0 | 34.882 | 1.637 | 0.0 | 1.371 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.801 | 0.0 | 0.0 | 2.095 | 0.0 |
| 75 | 9719 | 9720 | SN | 1 | 0.0 | 27.481 | 13.076 | 0.0 | 95.043 | 12.969 | 0.0 | 158.766 | 12.941 | 0.0 | 36.995 | 15.052 | 0.0 | 1.431 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.171 | 0.0 |
| 76 | 9719 | 9720 | SN | 1 | 0.0 | 21.139 | 7.371 | 0.0 | 23.577 | 8.708 | 0.0 | 164.584 | 4.483 | 0.0 | 266.901 | 5.354 | 0.0 | 1.418 | 0.0 | 0.0 | 1.81 | 0.0 | 0.0 | 1.876 | 0.0 | 0.0 | 2.169 | 0.0 |
| 77 | 9719 | 9720 | NS | 1 | 0.0 | 42.204 | 11.765 | 0.0 | 29.66 | 13.152 | 0.0 | 271.832 | 7.268 | 0.0 | 34.789 | 10.178 | 0.0 | 1.386 | 0.0 | 0.0 | 1.744 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 2.092 | 0.0 |
| 78 | 9719 | 9720 | NS | 1 | 0.0 | 269.234 | 11.765 | 0.0 | 29.66 | 13.152 | 0.0 | 271.826 | 7.254 | 0.0 | 35.175 | 10.178 | 0.0 | 1.386 | 0.0 | 0.0 | 1.744 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 2.097 | 0.0 |
| 79 | 9719 | 9720 | SN | 1 | 0.0 | 27.481 | 13.217 | 0.0 | 95.043 | 12.367 | 0.0 | 158.766 | 13.8 | 0.0 | 15.53 | 14.226 | 0.0 | 1.431 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.171 | 0.0 |
| 80 | 9720 | 9721 | NS | 1 | 0.0 | 183.509 | 5.302 | 0.0 | 25.744 | 6.41 | 0.0 | 353.978 | 0.874 | 0.0 | 21.029 | 1.629 | 0.0 | 1.371 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.096 | 0.0 |
| 81 | 9720 | 9721 | NS | 1 | 0.0 | 265.01 | 11.742 | 0.0 | 30.652 | 13.139 | 0.0 | 122.331 | 7.224 | 0.0 | 37.011 | 10.047 | 0.0 | 1.385 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 2.092 | 0.0 |
| 82 | 9720 | 9721 | SN | 1 | 0.0 | 21.089 | 7.05 | 0.0 | 210.783 | 8.634 | 0.0 | 164.231 | 4.078 | 0.0 | 139.168 | 5.128 | 0.0 | 1.425 | 0.0 | 0.0 | 1.81 | 0.0 | 0.0 | 1.874 | 0.0 | 0.0 | 2.17 | 0.0 |
| 83 | 9720 | 9721 | SN | 1 | 0.0 | 30.856 | 13.018 | 0.0 | 170.689 | 12.959 | 0.0 | 154.459 | 12.832 | 0.0 | 132.374 | 15.078 | 0.0 | 1.445 | 0.0 | 0.0 | 1.81 | 0.0 | 0.0 | 1.877 | 0.0 | 0.0 | 2.168 | 0.0 |
| 84 | 9721 | 9722 | NS | 1 | 0.0 | 47.311 | 5.264 | 0.0 | 25.75 | 6.403 | 0.0 | 264.469 | 0.851 | 0.0 | 22.523 | 1.633 | 0.0 | 1.37 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.095 | 0.0 |
| 85 | 9721 | 9722 | NS | 1 | 0.0 | 42.358 | 11.811 | 0.0 | 29.649 | 13.141 | 0.0 | 168.657 | 7.22 | 0.0 | 36.421 | 10.078 | 0.0 | 1.384 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 2.095 | 0.0 |
| 86 | 9726 | 9727 | SN | 1 | 0.0 | 27.553 | 13.149 | 0.0 | 210.723 | 12.539 | 0.0 | 159.213 | 13.145 | 0.0 | 15.547 | 14.334 | 0.0 | 1.432 | 0.0 | 0.0 | 1.812 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.169 | 0.0 |
| 87 | 9726 | 9727 | SN | 1 | 0.0 | 27.553 | 13.077 | 0.0 | 210.723 | 12.908 | 0.0 | 159.213 | 12.75 | 0.0 | 38.065 | 15.009 | 0.0 | 1.432 | 0.0 | 0.0 | 1.812 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.169 | 0.0 |
| 88 | 9726 | 9727 | SN | 1 | 0.0 | 21.133 | 7.173 | 0.0 | 23.566 | 8.622 | 0.0 | 163.211 | 4.19 | 0.0 | 15.481 | 4.929 | 0.0 | 1.421 | 0.0 | 0.0 | 1.81 | 0.0 | 0.0 | 1.893 | 0.0 | 0.0 | 2.168 | 0.0 |
| 89 | 9726 | 9727 | SN | 1 | 0.0 | 21.133 | 7.026 | 0.0 | 23.566 | 8.624 | 0.0 | 163.211 | 4.016 | 0.0 | 76.452 | 4.927 | 0.0 | 1.421 | 0.0 | 0.0 | 1.81 | 0.0 | 0.0 | 1.893 | 0.0 | 0.0 | 2.168 | 0.0 |
| 90 | 9727 | 9728 | NS | 1 | 0.0 | 211.249 | 11.681 | 0.0 | 30.625 | 13.108 | 0.0 | 138.589 | 7.129 | 0.0 | 36.581 | 10.076 | 0.0 | 1.385 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.801 | 0.0 | 0.0 | 2.093 | 0.0 |
| 91 | 9727 | 9728 | SN | 1 | 0.0 | 21.073 | 7.06 | 0.0 | 167.802 | 8.652 | 0.0 | 162.34 | 4.1 | 0.0 | 254.978 | 4.972 | 0.0 | 1.422 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 1.877 | 0.0 | 0.0 | 2.17 | 0.0 |
| 92 | 9727 | 9728 | NS | 1 | 0.0 | 191.566 | 5.239 | 0.0 | 25.766 | 6.417 | 0.0 | 353.967 | 0.791 | 0.0 | 21.056 | 1.659 | 0.0 | 1.373 | 0.0 | 0.0 | 1.744 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 2.098 | 0.0 |
| 93 | 9727 | 9728 | NS | 1 | 0.0 | 191.566 | 5.239 | 0.0 | 25.766 | 6.417 | 0.0 | 353.967 | 0.791 | 0.0 | 21.056 | 1.659 | 0.0 | 1.373 | 0.0 | 0.0 | 1.744 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 2.098 | 0.0 |
| 94 | 9727 | 9728 | SN | 1 | 0.0 | 30.856 | 13.029 | 0.0 | 82.849 | 12.82 | 0.0 | 152.92 | 12.89 | 0.0 | 258.436 | 14.808 | 0.0 | 1.438 | 0.0 | 0.0 | 1.809 | 0.0 | 0.0 | 1.875 | 0.0 | 0.0 | 2.168 | 0.0 |
| 95 | 9727 | 9728 | SN | 1 | 0.0 | 21.073 | 7.012 | 0.0 | 167.802 | 8.643 | 0.0 | 162.34 | 4.057 | 0.0 | 254.978 | 5.031 | 0.0 | 1.422 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 1.877 | 0.0 | 0.0 | 2.17 | 0.0 |
| 96 | 9727 | 9728 | SN | 1 | 0.0 | 21.073 | 7.012 | 0.0 | 167.802 | 8.643 | 0.0 | 162.34 | 4.057 | 0.0 | 254.978 | 5.031 | 0.0 | 1.422 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 1.877 | 0.0 | 0.0 | 2.17 | 0.0 |
| 97 | 9727 | 9728 | SN | 1 | 0.0 | 30.856 | 13.01 | 0.0 | 82.849 | 12.949 | 0.0 | 152.92 | 12.776 | 0.0 | 258.436 | 15.078 | 0.0 | 1.438 | 0.0 | 0.0 | 1.809 | 0.0 | 0.0 | 1.875 | 0.0 | 0.0 | 2.168 | 0.0 |
| 98 | 9727 | 9728 | SN | 1 | 0.0 | 30.856 | 13.01 | 0.0 | 82.849 | 12.949 | 0.0 | 152.92 | 12.776 | 0.0 | 258.436 | 15.078 | 0.0 | 1.438 | 0.0 | 0.0 | 1.809 | 0.0 | 0.0 | 1.875 | 0.0 | 0.0 | 2.168 | 0.0 |
| 99 | 9727 | 9728 | NS | 1 | 0.0 | 211.249 | 11.681 | 0.0 | 30.625 | 13.108 | 0.0 | 138.589 | 7.129 | 0.0 | 36.581 | 10.076 | 0.0 | 1.385 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.801 | 0.0 | 0.0 | 2.093 | 0.0 |
| 100 | 9728 | 9729 | SN | 1 | 0.0 | 30.895 | 13.026 | 0.0 | 172.562 | 12.789 | 0.0 | 150.626 | 12.912 | 0.0 | 219.814 | 14.852 | 0.0 | 1.432 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 1.875 | 0.0 | 0.0 | 2.168 | 0.0 |
| 101 | 9728 | 9729 | SN | 1 | 0.0 | 30.901 | 13.026 | 0.0 | 25.308 | 12.779 | 0.0 | 150.604 | 12.912 | 0.0 | 236.47 | 14.837 | 0.0 | 1.432 | 0.0 | 0.0 | 1.81 | 0.0 | 0.0 | 1.875 | 0.0 | 0.0 | 2.168 | 0.0 |
| 102 | 9728 | 9729 | NS | 1 | 0.0 | 92.727 | 11.681 | 0.0 | 120.089 | 13.207 | 0.0 | 259.958 | 7.172 | 0.0 | 133.821 | 10.147 | 0.0 | 1.386 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 2.094 | 0.0 |
| 103 | 9728 | 9729 | SN | 1 | 0.0 | 21.095 | 7.032 | 0.0 | 23.566 | 8.652 | 0.0 | 159.946 | 4.039 | 0.0 | 236.34 | 5.118 | 0.0 | 1.418 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 1.887 | 0.0 | 0.0 | 2.171 | 0.0 |
| 104 | 9728 | 9729 | SN | 1 | 0.0 | 21.095 | 7.069 | 0.0 | 168.905 | 8.655 | 0.0 | 159.985 | 4.076 | 0.0 | 135.713 | 5.06 | 0.0 | 1.418 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 1.887 | 0.0 | 0.0 | 2.171 | 0.0 |
| 105 | 9728 | 9729 | SN | 1 | 0.0 | 21.095 | 7.069 | 0.0 | 23.566 | 8.66 | 0.0 | 159.946 | 4.076 | 0.0 | 236.34 | 5.065 | 0.0 | 1.418 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 1.887 | 0.0 | 0.0 | 2.171 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 106 | 9728 | 9729 | NS | 1 | 0.0 | 120.175 | 5.25 | 0.0 | 119.968 | 6.438 | 0.0 | 120.142 | 0.817 | 0.0 | 131.058 | 1.686 | 0.0 | 1.371 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.096 | 0.0 |
| 107 | 9728 | 9729 | NS | 1 | 0.0 | 90.035 | 5.239 | 0.0 | 119.962 | 6.448 | 0.0 | 245.503 | 0.812 | 0.0 | 131.086 | 1.681 | 0.0 | 1.371 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.096 | 0.0 |
| 108 | 9728 | 9729 | SN | 1 | 0.0 | 30.901 | 12.999 | 0.0 | 25.308 | 12.919 | 0.0 | 150.604 | 12.819 | 0.0 | 236.47 | 15.106 | 0.0 | 1.432 | 0.0 | 0.0 | 1.81 | 0.0 | 0.0 | 1.875 | 0.0 | 0.0 | 2.168 | 0.0 |
| 109 | 9728 | 9729 | NS | 1 | 0.0 | 22.021 | 11.75 | 0.0 | 120.089 | 13.233 | 0.0 | 244.135 | 7.185 | 0.0 | 133.821 | 10.128 | 0.0 | 1.386 | 0.0 | 0.0 | 1.744 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 2.096 | 0.0 |
| 110 | 9729 | 9730 | SN | 1 | 0.0 | 30.785 | 13.009 | 0.0 | 25.314 | 12.742 | 0.0 | 172.757 | 13.021 | 0.0 | 16.611 | 14.705 | 0.0 | 1.438 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 1.875 | 0.0 | 0.0 | 2.169 | 0.0 |
| 111 | 9729 | 9730 | NS | 1 | 0.0 | 103.023 | 11.732 | 0.0 | 30.685 | 13.149 | 0.0 | 108.268 | 7.201 | 0.0 | 37.348 | 10.047 | 0.0 | 1.383 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 2.094 | 0.0 |
| 112 | 9729 | 9730 | NS | 1 | 0.0 | 103.023 | 11.732 | 0.0 | 30.685 | 13.149 | 0.0 | 108.268 | 7.201 | 0.0 | 37.348 | 10.047 | 0.0 | 1.383 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 2.094 | 0.0 |
| 113 | 9729 | 9730 | SN | 1 | 0.0 | 30.785 | 12.99 | 0.0 | 25.314 | 12.891 | 0.0 | 172.757 | 12.879 | 0.0 | 60.053 | 15.046 | 0.0 | 1.438 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 1.875 | 0.0 | 0.0 | 2.169 | 0.0 |
| 114 | 9729 | 9730 | SN | 1 | 0.0 | 30.785 | 12.99 | 0.0 | 25.314 | 12.891 | 0.0 | 172.757 | 12.879 | 0.0 | 60.053 | 15.038 | 0.0 | 1.438 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 1.875 | 0.0 | 0.0 | 2.169 | 0.0 |
| 115 | 9729 | 9730 | NS | 1 | 0.0 | 101.799 | 5.286 | 0.0 | 25.761 | 6.422 | 0.0 | 212.402 | 0.837 | 0.0 | 21.823 | 1.641 | 0.0 | 1.371 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.095 | 0.0 |
| 116 | 9729 | 9730 | NS | 1 | 0.0 | 101.81 | 5.286 | 0.0 | 25.761 | 6.42 | 0.0 | 212.402 | 0.837 | 0.0 | 21.823 | 1.643 | 0.0 | 1.371 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.095 | 0.0 |
| 117 | 9729 | 9730 | SN | 1 | 0.0 | 21.117 | 7.098 | 0.0 | 23.555 | 8.7 | 0.0 | 161.231 | 4.142 | 0.0 | 15.481 | 5.138 | 0.0 | 1.421 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 1.89 | 0.0 | 0.0 | 2.17 | 0.0 |
| 118 | 9729 | 9730 | SN | 1 | 0.0 | 21.117 | 7.035 | 0.0 | 23.555 | 8.688 | 0.0 | 161.231 | 4.089 | 0.0 | 112.691 | 5.19 | 0.0 | 1.421 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 1.89 | 0.0 | 0.0 | 2.17 | 0.0 |
| 119 | 9729 | 9730 | SN | 1 | 0.0 | 21.117 | 7.035 | 0.0 | 23.555 | 8.688 | 0.0 | 161.231 | 4.089 | 0.0 | 112.702 | 5.19 | 0.0 | 1.421 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 1.89 | 0.0 | 0.0 | 2.17 | 0.0 |
| 120 | 9730 | 9731 | NS | 1 | 0.0 | 19.314 | 5.289 | 0.0 | 25.772 | 6.41 | 0.0 | 269.389 | 0.805 | 0.0 | 23.174 | 1.633 | 0.0 | 1.371 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.804 | 0.0 | 0.0 | 2.094 | 0.0 |
| 121 | 9730 | 9731 | NS | 1 | 0.0 | 19.314 | 5.284 | 0.0 | 25.772 | 6.408 | 0.0 | 269.389 | 0.805 | 0.0 | 23.174 | 1.63 | 0.0 | 1.37 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.094 | 0.0 |
| 122 | 9730 | 9731 | SN | 1 | 0.0 | 27.421 | 12.968 | 0.0 | 83.472 | 12.904 | 0.0 | 165.996 | 12.853 | 0.0 | 171.492 | 15.139 | 0.0 | 1.432 | 0.0 | 0.0 | 1.812 | 0.0 | 0.0 | 1.888 | 0.0 | 0.0 | 2.169 | 0.0 |
| 123 | 9730 | 9731 | NS | 1 | 0.0 | 22.027 | 11.714 | 0.0 | 29.676 | 13.173 | 0.0 | 354.744 | 7.154 | 0.0 | 37.888 | 10.006 | 0.0 | 1.385 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 2.095 | 0.0 |
| 124 | 9730 | 9731 | SN | 1 | 0.0 | 27.421 | 13.004 | 0.0 | 83.472 | 12.598 | 0.0 | 165.996 | 13.089 | 0.0 | 171.492 | 14.63 | 0.0 | 1.432 | 0.0 | 0.0 | 1.812 | 0.0 | 0.0 | 1.888 | 0.0 | 0.0 | 2.169 | 0.0 |
| 125 | 9730 | 9731 | SN | 1 | 0.0 | 27.421 | 12.968 | 0.0 | 83.472 | 12.904 | 0.0 | 165.996 | 12.853 | 0.0 | 171.492 | 15.139 | 0.0 | 1.432 | 0.0 | 0.0 | 1.812 | 0.0 | 0.0 | 1.888 | 0.0 | 0.0 | 2.169 | 0.0 |
| 126 | 9730 | 9731 | NS | 1 | 0.0 | 22.027 | 11.714 | 0.0 | 29.676 | 13.173 | 0.0 | 354.75 | 7.183 | 0.0 | 37.894 | 9.985 | 0.0 | 1.385 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 2.095 | 0.0 |
| 127 | 9730 | 9731 | SN | 1 | 0.0 | 21.122 | 7.003 | 0.0 | 262.743 | 8.654 | 0.0 | 172.774 | 4.125 | 0.0 | 204.913 | 5.169 | 0.0 | 1.429 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 1.892 | 0.0 | 0.0 | 2.17 | 0.0 |
| 128 | 9730 | 9731 | SN | 1 | 0.0 | 21.122 | 7.003 | 0.0 | 262.743 | 8.654 | 0.0 | 172.774 | 4.125 | 0.0 | 204.913 | 5.169 | 0.0 | 1.429 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 1.892 | 0.0 | 0.0 | 2.17 | 0.0 |
| 129 | 9730 | 9731 | SN | 1 | 0.0 | 21.122 | 7.107 | 0.0 | 262.743 | 8.662 | 0.0 | 172.774 | 4.223 | 0.0 | 204.913 | 5.153 | 0.0 | 1.429 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 1.892 | 0.0 | 0.0 | 2.17 | 0.0 |
| 130 | 9731 | 9732 | SN | 1 | 0.0 | 21.122 | 7.171 | 0.0 | 67.614 | 8.655 | 0.0 | 181.515 | 4.263 | 0.0 | 157.93 | 5.175 | 0.0 | 1.434 | 0.0 | 0.0 | 1.81 | 0.0 | 0.0 | 1.887 | 0.0 | 0.0 | 2.17 | 0.0 |
| 131 | 9731 | 9732 | SN | 1 | 0.0 | 27.399 | 12.989 | 0.0 | 31.091 | 12.926 | 0.0 | 180.098 | 12.803 | 0.0 | 273.26 | 15.107 | 0.0 | 1.434 | 0.0 | 0.0 | 1.812 | 0.0 | 0.0 | 1.894 | 0.0 | 0.0 | 2.169 | 0.0 |
| 132 | 9731 | 9732 | SN | 1 | 0.0 | 27.399 | 12.989 | 0.0 | 31.091 | 12.926 | 0.0 | 180.098 | 12.803 | 0.0 | 273.26 | 15.107 | 0.0 | 1.434 | 0.0 | 0.0 | 1.812 | 0.0 | 0.0 | 1.894 | 0.0 | 0.0 | 2.169 | 0.0 |
| 133 | 9731 | 9732 | NS | 1 | 0.0 | 68.488 | 11.744 | 0.0 | 31.105 | 13.152 | 0.0 | 334.091 | 7.154 | 0.0 | 34.855 | 10.006 | 0.0 | 1.383 | 0.0 | 0.0 | 1.744 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 2.096 | 0.0 |
| 134 | 9731 | 9732 | NS | 1 | 0.0 | 68.488 | 11.744 | 0.0 | 31.105 | 13.162 | 0.0 | 334.085 | 7.168 | 0.0 | 37.943 | 9.999 | 0.0 | 1.383 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 2.096 | 0.0 |
| 135 | 9731 | 9732 | NS | 1 | 0.0 | 263.049 | 5.275 | 0.0 | 25.772 | 6.43 | 0.0 | 307.751 | 0.787 | 0.0 | 23.538 | 1.648 | 0.0 | 1.37 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.801 | 0.0 | 0.0 | 2.095 | 0.0 |
| 136 | 9731 | 9732 | NS | 1 | 0.0 | 263.049 | 5.271 | 0.0 | 25.772 | 6.439 | 0.0 | 307.784 | 0.791 | 0.0 | 23.538 | 1.649 | 0.0 | 1.37 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.095 | 0.0 |
| 137 | 9731 | 9732 | SN | 1 | 0.0 | 27.399 | 13.05 | 0.0 | 31.091 | 12.523 | 0.0 | 180.098 | 13.142 | 0.0 | 273.26 | 14.493 | 0.0 | 1.434 | 0.0 | 0.0 | 1.812 | 0.0 | 0.0 | 1.894 | 0.0 | 0.0 | 2.169 | 0.0 |
| 138 | 9731 | 9732 | SN | 1 | 0.0 | 21.122 | 7.01 | 0.0 | 67.614 | 8.654 | 0.0 | 181.515 | 4.108 | 0.0 | 157.93 | 5.14 | 0.0 | 1.434 | 0.0 | 0.0 | 1.81 | 0.0 | 0.0 | 1.887 | 0.0 | 0.0 | 2.17 | 0.0 |
| 139 | 9731 | 9732 | SN | 1 | 0.0 | 21.122 | 7.01 | 0.0 | 67.614 | 8.656 | 0.0 | 181.515 | 4.107 | 0.0 | 157.93 | 5.144 | 0.0 | 1.434 | 0.0 | 0.0 | 1.81 | 0.0 | 0.0 | 1.887 | 0.0 | 0.0 | 2.17 | 0.0 |
| 140 | 9732 | 9733 | SN | 1 | 0.0 | 21.145 | 7.019 | 0.0 | 23.549 | 8.651 | 0.0 | 158.716 | 4.076 | 0.0 | 174.497 | 5.114 | 0.0 | 1.423 | 0.0 | 0.0 | 1.81 | 0.0 | 0.0 | 1.877 | 0.0 | 0.0 | 2.17 | 0.0 |
| 141 | 9732 | 9733 | SN | 1 | 0.0 | 27.487 | 13.168 | 0.0 | 25.308 | 12.458 | 0.0 | 165.24 | 13.328 | 0.0 | 189.984 | 14.316 | 0.0 | 1.432 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.168 | 0.0 |
| 142 | 9732 | 9733 | NS | 1 | 0.0 | 16.755 | 5.215 | 0.0 | 25.783 | 6.455 | 0.0 | 353.74 | 0.8 | 0.0 | 22.926 | 1.636 | 0.0 | 1.371 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.095 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 143 | 9732 | 9733 | SN | 1 | 0.0 | 27.487 | 13.085 | 0.0 | 25.308 | 12.915 | 0.0 | 165.24 | 12.842 | 0.0 | 189.984 | 15.048 | 0.0 | 1.432 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.168 | 0.0 |
| 144 | 9732 | 9733 | NS | 1 | 0.0 | 69.497 | 5.206 | 0.0 | 25.783 | 6.437 | 0.0 | 353.729 | 0.812 | 0.0 | 22.92 | 1.639 | 0.0 | 1.37 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.095 | 0.0 |
| 145 | 9732 | 9733 | SN | 1 | 0.0 | 21.145 | 7.019 | 0.0 | 23.549 | 8.651 | 0.0 | 158.716 | 4.076 | 0.0 | 174.497 | 5.114 | 0.0 | 1.423 | 0.0 | 0.0 | 1.81 | 0.0 | 0.0 | 1.877 | 0.0 | 0.0 | 2.17 | 0.0 |
| 146 | 9732 | 9733 | NS | 1 | 0.0 | 98.401 | 11.732 | 0.0 | 29.682 | 13.143 | 0.0 | 352.251 | 7.161 | 0.0 | 34.458 | 10.13 | 0.0 | 1.384 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 2.09 | 0.0 |
| 147 | 9732 | 9733 | NS | 1 | 0.0 | 130.444 | 11.732 | 0.0 | 29.682 | 13.154 | 0.0 | 352.262 | 7.175 | 0.0 | 34.458 | 10.101 | 0.0 | 1.385 | 0.0 | 0.0 | 1.744 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 2.09 | 0.0 |
| 148 | 9732 | 9733 | SN | 1 | 0.0 | 27.487 | 13.085 | 0.0 | 25.308 | 12.915 | 0.0 | 165.24 | 12.842 | 0.0 | 189.984 | 15.048 | 0.0 | 1.432 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.168 | 0.0 |
| 149 | 9732 | 9733 | SN | 1 | 0.0 | 21.145 | 7.252 | 0.0 | 23.549 | 8.649 | 0.0 | 158.716 | 4.313 | 0.0 | 174.497 | 5.147 | 0.0 | 1.423 | 0.0 | 0.0 | 1.81 | 0.0 | 0.0 | 1.877 | 0.0 | 0.0 | 2.17 | 0.0 |
| 150 | 9733 | 9734 | SN | 1 | 0.0 | 27.404 | 13.108 | 0.0 | 210.679 | 12.897 | 0.0 | 157.624 | 12.679 | 0.0 | 239.729 | 15.052 | 0.0 | 1.432 | 0.0 | 0.0 | 1.812 | 0.0 | 0.0 | 1.87 | 0.0 | 0.0 | 2.167 | 0.0 |
| 151 | 9733 | 9734 | SN | 1 | 0.0 | 21.133 | 6.968 | 0.0 | 23.533 | 8.628 | 0.0 | 160.906 | 4.027 | 0.0 | 77.053 | 5.006 | 0.0 | 1.418 | 0.0 | 0.0 | 1.809 | 0.0 | 0.0 | 1.874 | 0.0 | 0.0 | 2.169 | 0.0 |
| 152 | 9733 | 9734 | SN | 1 | 0.0 | 21.133 | 6.968 | 0.0 | 23.533 | 8.628 | 0.0 | 160.906 | 4.027 | 0.0 | 77.053 | 5.006 | 0.0 | 1.418 | 0.0 | 0.0 | 1.809 | 0.0 | 0.0 | 1.874 | 0.0 | 0.0 | 2.169 | 0.0 |
| 153 | 9733 | 9734 | NS | 1 | 0.0 | 170.212 | 5.197 | 0.0 | 25.788 | 6.434 | 0.0 | 125.866 | 0.791 | 0.0 | 40.138 | 1.68 | 0.0 | 1.37 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.096 | 0.0 |
| 154 | 9733 | 9734 | NS | 1 | 0.0 | 170.212 | 5.197 | 0.0 | 25.788 | 6.434 | 0.0 | 125.866 | 0.791 | 0.0 | 40.138 | 1.68 | 0.0 | 1.37 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.096 | 0.0 |
| 155 | 9733 | 9734 | NS | 1 | 0.0 | 168.326 | 11.671 | 0.0 | 29.698 | 13.133 | 0.0 | 271.837 | 7.154 | 0.0 | 35.026 | 10.123 | 0.0 | 1.385 | 0.0 | 0.0 | 1.744 | 0.0 | 0.0 | 1.793 | 0.0 | 0.0 | 2.091 | 0.0 |
| 156 | 9733 | 9734 | NS | 1 | 0.0 | 168.326 | 11.671 | 0.0 | 29.698 | 13.133 | 0.0 | 271.837 | 7.154 | 0.0 | 35.026 | 10.123 | 0.0 | 1.385 | 0.0 | 0.0 | 1.744 | 0.0 | 0.0 | 1.793 | 0.0 | 0.0 | 2.091 | 0.0 |
| 157 | 9733 | 9734 | SN | 1 | 0.0 | 27.404 | 13.231 | 0.0 | 210.679 | 12.404 | 0.0 | 157.624 | 13.424 | 0.0 | 239.729 | 14.282 | 0.0 | 1.432 | 0.0 | 0.0 | 1.812 | 0.0 | 0.0 | 1.87 | 0.0 | 0.0 | 2.167 | 0.0 |
| 158 | 9733 | 9734 | SN | 1 | 0.0 | 27.404 | 13.108 | 0.0 | 210.679 | 12.897 | 0.0 | 157.624 | 12.679 | 0.0 | 239.729 | 15.052 | 0.0 | 1.432 | 0.0 | 0.0 | 1.812 | 0.0 | 0.0 | 1.87 | 0.0 | 0.0 | 2.167 | 0.0 |
| 159 | 9733 | 9734 | SN | 1 | 0.0 | 21.133 | 7.3 | 0.0 | 23.533 | 8.664 | 0.0 | 160.906 | 4.375 | 0.0 | 77.053 | 5.14 | 0.0 | 1.418 | 0.0 | 0.0 | 1.809 | 0.0 | 0.0 | 1.874 | 0.0 | 0.0 | 2.169 | 0.0 |
| 160 | 9734 | 9735 | SN | 1 | 0.0 | 21.332 | 6.977 | 0.0 | 23.527 | 8.612 | 0.0 | 163.713 | 3.952 | 0.0 | 127.576 | 4.936 | 0.0 | 1.419 | 0.0 | 0.0 | 1.81 | 0.0 | 0.0 | 1.891 | 0.0 | 0.0 | 2.169 | 0.0 |
| 161 | 9734 | 9735 | NS | 1 | 0.0 | 205.161 | 5.224 | 0.0 | 25.788 | 6.437 | 0.0 | 156.177 | 0.771 | 0.0 | 41.037 | 1.666 | 0.0 | 1.371 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.095 | 0.0 |
| 162 | 9734 | 9735 | NS | 1 | 0.0 | 271.898 | 11.61 | 0.0 | 29.704 | 13.159 | 0.0 | 206.633 | 7.143 | 0.0 | 35.892 | 10.127 | 0.0 | 1.386 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.801 | 0.0 | 0.0 | 2.095 | 0.0 |
| 163 | 9734 | 9735 | SN | 1 | 0.0 | 27.426 | 13.108 | 0.0 | 47.222 | 12.938 | 0.0 | 150.416 | 12.638 | 0.0 | 151.081 | 14.966 | 0.0 | 1.433 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 1.87 | 0.0 | 0.0 | 2.169 | 0.0 |
| 164 | 9734 | 9735 | SN | 1 | 0.0 | 27.426 | 13.108 | 0.0 | 47.217 | 12.938 | 0.0 | 150.383 | 12.638 | 0.0 | 77.748 | 14.966 | 0.0 | 1.433 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 1.87 | 0.0 | 0.0 | 2.169 | 0.0 |
| 165 | 9734 | 9735 | NS | 1 | 0.0 | 95.933 | 5.232 | 0.0 | 25.788 | 6.427 | 0.0 | 205.453 | 0.775 | 0.0 | 46.078 | 1.672 | 0.0 | 1.371 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 2.096 | 0.0 |
| 166 | 9734 | 9735 | NS | 1 | 0.0 | 70.7 | 11.64 | 0.0 | 29.704 | 13.133 | 0.0 | 119.265 | 7.076 | 0.0 | 35.748 | 10.165 | 0.0 | 1.386 | 0.0 | 0.0 | 1.744 | 0.0 | 0.0 | 1.794 | 0.0 | 0.0 | 2.093 | 0.0 |
| 167 | 9734 | 9735 | SN | 1 | 0.0 | 21.332 | 6.981 | 0.0 | 23.527 | 8.615 | 0.0 | 163.707 | 3.956 | 0.0 | 269.207 | 4.93 | 0.0 | 1.419 | 0.0 | 0.0 | 1.81 | 0.0 | 0.0 | 1.891 | 0.0 | 0.0 | 2.169 | 0.0 |
| 168 | 9735 | 9736 | NS | 1 | 0.0 | 16.749 | 5.223 | 0.0 | 25.788 | 6.411 | 0.0 | 354.364 | 0.76 | 0.0 | 21.415 | 1.698 | 0.0 | 1.371 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.096 | 0.0 |
| 169 | 9735 | 9736 | SN | 1 | 0.0 | 21.387 | 6.985 | 0.0 | 23.533 | 8.62 | 0.0 | 158.363 | 3.992 | 0.0 | 119.778 | 4.955 | 0.0 | 1.419 | 0.0 | 0.0 | 1.809 | 0.0 | 0.0 | 1.876 | 0.0 | 0.0 | 2.169 | 0.0 |
| 170 | 9735 | 9736 | NS | 1 | 0.0 | 22.016 | 11.681 | 0.0 | 29.698 | 13.159 | 0.0 | 245.382 | 7.05 | 0.0 | 36.355 | 10.12 | 0.0 | 1.385 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 2.093 | 0.0 |
| 171 | 9735 | 9736 | NS | 1 | 0.0 | 22.016 | 11.681 | 0.0 | 29.698 | 13.159 | 0.0 | 245.382 | 7.05 | 0.0 | 36.355 | 10.12 | 0.0 | 1.385 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 2.093 | 0.0 |
| 172 | 9735 | 9736 | NS | 1 | 0.0 | 16.749 | 5.223 | 0.0 | 25.788 | 6.411 | 0.0 | 354.364 | 0.76 | 0.0 | 21.415 | 1.698 | 0.0 | 1.371 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.096 | 0.0 |
| 173 | 9735 | 9736 | SN | 1 | 0.0 | 30.785 | 13.093 | 0.0 | 87.261 | 12.891 | 0.0 | 148.96 | 12.628 | 0.0 | 52.539 | 14.996 | 0.0 | 1.433 | 0.0 | 0.0 | 1.808 | 0.0 | 0.0 | 1.876 | 0.0 | 0.0 | 2.166 | 0.0 |
| 174 | 9736 | 9737 | NS | 1 | 0.0 | 47.322 | 5.203 | 0.0 | 25.794 | 6.43 | 0.0 | 175.578 | 0.776 | 0.0 | 19.975 | 1.692 | 0.0 | 1.371 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.096 | 0.0 |
| 175 | 9736 | 9737 | NS | 1 | 0.0 | 166.832 | 11.717 | 0.0 | 30.994 | 13.223 | 0.0 | 244.022 | 7.063 | 0.0 | 33.007 | 10.021 | 0.0 | 1.385 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 2.094 | 0.0 |

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