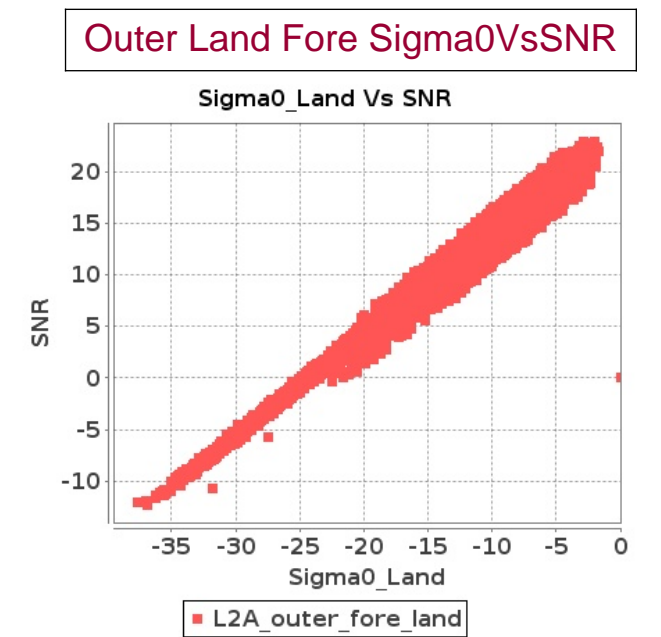
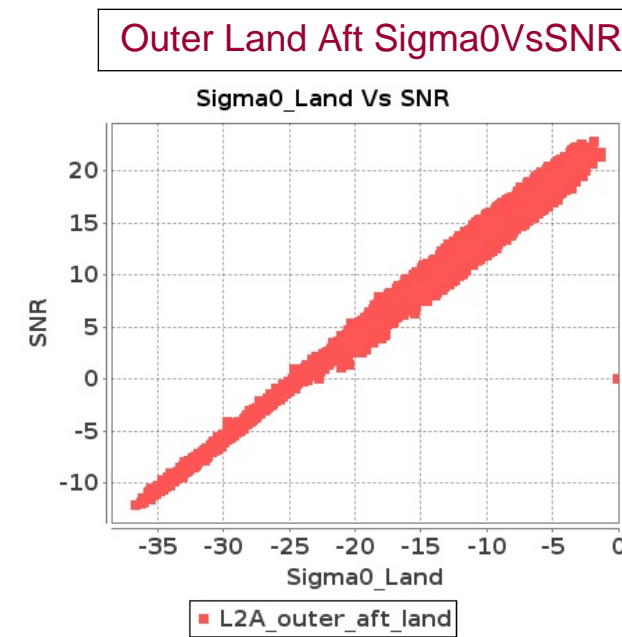
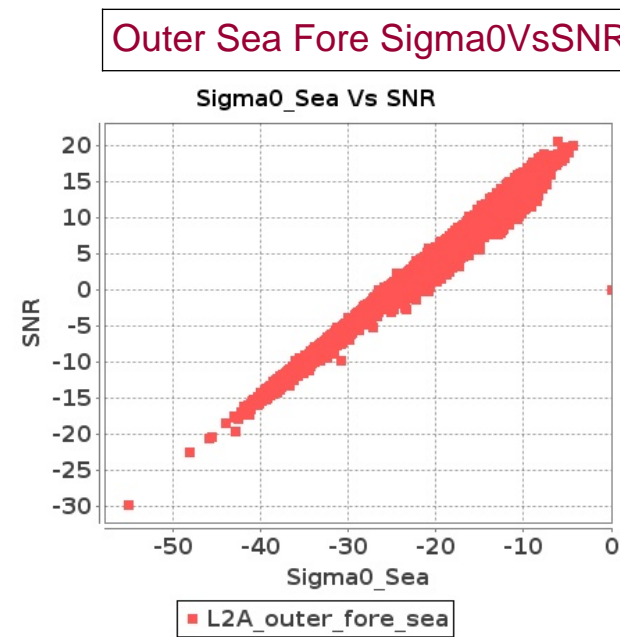
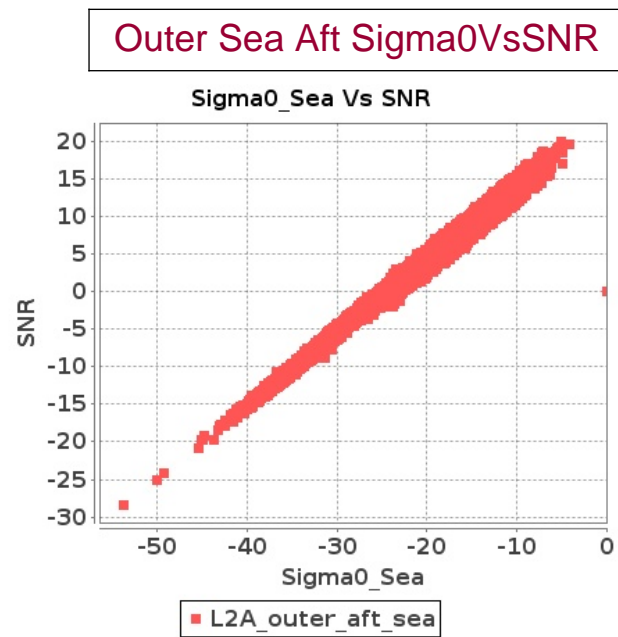
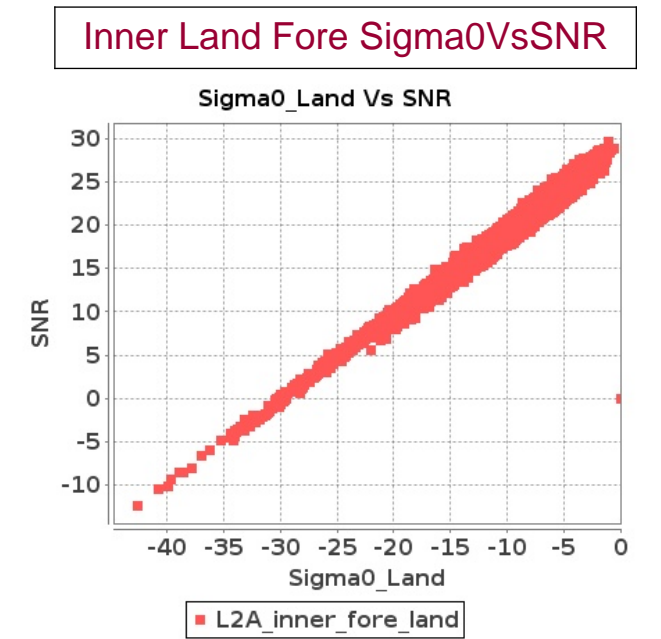
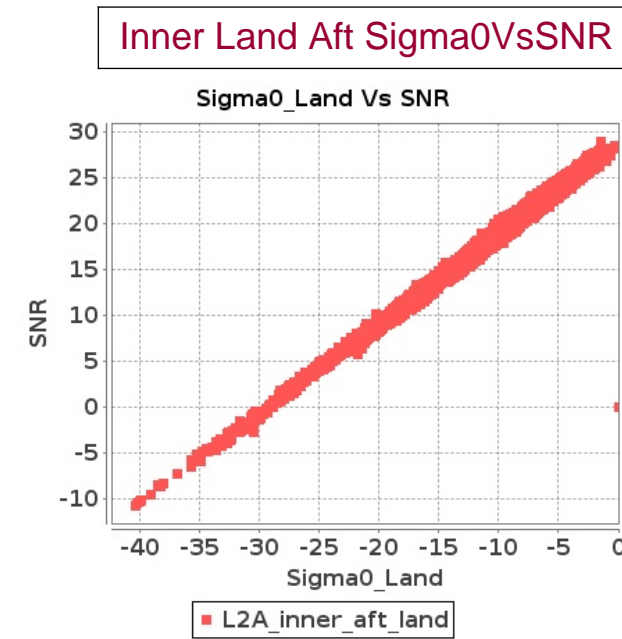
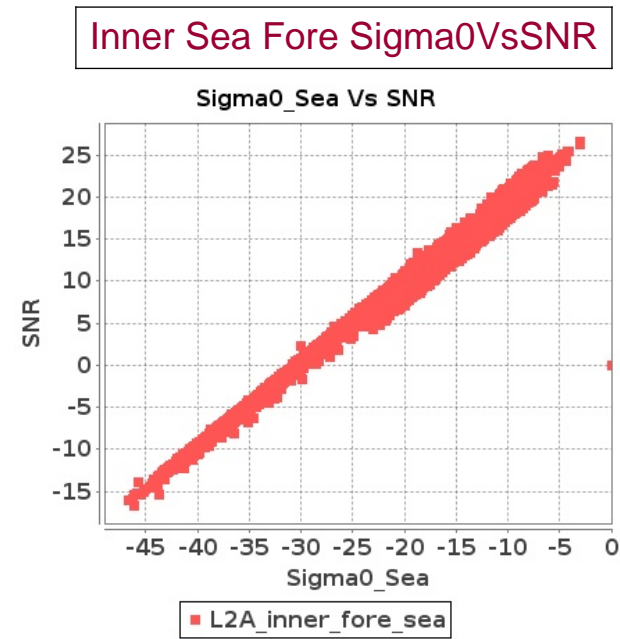
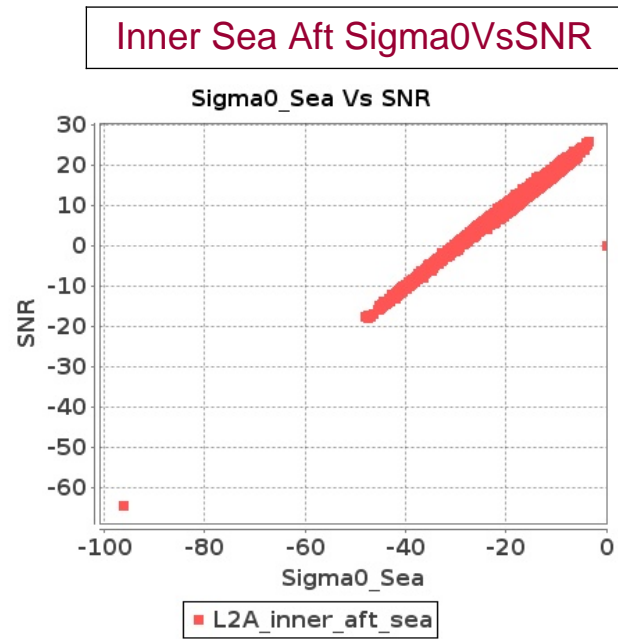


SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 06-FEB-2020 To 07-FEB-2020



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

Report between 06-FEB-2020 To 07-FEB-2020

| 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 | 17803 | 17804 | NS | 1 | 0.0 | 50.087 | 4.905 | 0.0 | 47.965 | 6.497 | 0.0 | 49.441 | 4.169 | 0.0 | 45.72 | 4.83 | 0.0 | 51.637 | 4.946 | 0.0 | 49.205 | 6.121 | 0.0 | 50.755 | 3.863 | 0.0 | 43.993 | 4.232 |
| 2 | 17803 | 17804 | SN | 1 | 0.0 | 49.679 | 3.14 | 0.0 | 49.914 | 4.131 | 0.0 | 48.752 | 2.76 | 0.0 | 44.708 | 3.514 | 0.0 | 50.142 | 3.251 | 0.0 | 49.098 | 3.786 | 0.0 | 48.991 | 2.604 | 0.0 | 44.273 | 3.094 |
| 3 | 17803 | 17804 | NS | 1 | 0.0 | 50.087 | 4.885 | 0.0 | 47.965 | 6.497 | 0.0 | 49.441 | 4.133 | 0.0 | 45.72 | 4.83 | 0.0 | 51.637 | 4.925 | 0.0 | 49.205 | 6.121 | 0.0 | 50.755 | 3.827 | 0.0 | 43.993 | 4.232 |
| 4 | 17803 | 17804 | SN | 1 | 0.0 | 45.004 | 0.725 | 0.0 | 44.916 | 1.125 | 0.0 | 45.111 | 0.724 | 0.0 | 46.136 | 1.095 | 0.0 | 44.474 | 0.737 | 0.0 | 44.018 | 1.005 | 0.0 | 46.09 | 0.666 | 0.0 | 45.027 | 0.91 |
| 5 | 17803 | 17804 | NS | 1 | 0.0 | 50.387 | 1.216 | 0.0 | 47.849 | 1.615 | 0.0 | 44.295 | 1.104 | 0.0 | 41.531 | 1.375 | 0.0 | 52.015 | 1.198 | 0.0 | 47.011 | 1.453 | 0.0 | 42.506 | 0.973 | 0.0 | 38.35 | 1.117 |
| 6 | 17803 | 17804 | SN | 1 | 0.0 | 49.679 | 3.215 | 0.0 | 49.914 | 4.227 | 0.0 | 48.752 | 2.82 | 0.0 | 44.708 | 3.611 | 0.0 | 50.142 | 3.329 | 0.0 | 49.098 | 3.874 | 0.0 | 48.991 | 2.653 | 0.0 | 44.273 | 3.167 |
| 7 | 17803 | 17804 | SN | 1 | 0.0 | 49.679 | 3.14 | 0.0 | 49.914 | 4.131 | 0.0 | 48.752 | 2.76 | 0.0 | 44.708 | 3.514 | 0.0 | 50.142 | 3.251 | 0.0 | 49.098 | 3.786 | 0.0 | 48.991 | 2.604 | 0.0 | 44.273 | 3.094 |
| 8 | 17803 | 17804 | SN | 1 | 0.0 | 45.004 | 0.708 | 0.0 | 44.916 | 1.1 | 0.0 | 45.111 | 0.708 | 0.0 | 46.136 | 1.066 | 0.0 | 44.474 | 0.719 | 0.0 | 44.018 | 0.982 | 0.0 | 46.09 | 0.653 | 0.0 | 45.027 | 0.887 |
| 9 | 17803 | 17804 | SN | 1 | 0.0 | 45.004 | 0.708 | 0.0 | 44.916 | 1.1 | 0.0 | 45.111 | 0.708 | 0.0 | 46.136 | 1.066 | 0.0 | 44.474 | 0.719 | 0.0 | 44.018 | 0.982 | 0.0 | 46.09 | 0.653 | 0.0 | 45.027 | 0.887 |
| 10 | 17803 | 17804 | NS | 1 | 0.0 | 50.387 | 1.228 | 0.0 | 47.849 | 1.613 | 0.0 | 44.295 | 1.097 | 0.0 | 41.531 | 1.375 | 0.0 | 52.015 | 1.214 | 0.0 | 47.011 | 1.45 | 0.0 | 42.506 | 0.966 | 0.0 | 38.35 | 1.116 |
| 11 | 17804 | 17805 | NS | 1 | 0.0 | 47.549 | 3.757 | 0.0 | 49.151 | 4.954 | 0.0 | 47.782 | 3.912 | 0.0 | 46.155 | 4.468 | 0.0 | 47.207 | 3.716 | 0.0 | 47.903 | 4.608 | 0.0 | 47.1 | 3.841 | 0.0 | 43.073 | 4.255 |
| 12 | 17804 | 17805 | SN | 1 | 0.0 | 41.32 | 4.974 | 0.0 | 42.55 | 5.626 | 0.0 | 40.48 | 4.396 | 0.0 | 42.009 | 5.657 | 0.0 | 40.071 | 5.117 | 0.0 | 42.794 | 5.873 | 0.0 | 40.754 | 4.59 | 0.0 | 41.139 | 5.859 |
| 13 | 17804 | 17805 | SN | 1 | 0.0 | 41.32 | 4.974 | 0.0 | 42.55 | 5.626 | 0.0 | 40.48 | 4.396 | 0.0 | 42.009 | 5.657 | 0.0 | 40.071 | 5.117 | 0.0 | 42.794 | 5.873 | 0.0 | 40.754 | 4.59 | 0.0 | 41.139 | 5.859 |
| 14 | 17804 | 17805 | SN | 1 | 0.0 | 41.155 | 1.325 | 0.0 | 51.79 | 1.757 | 0.0 | 41.996 | 1.472 | 0.0 | 39.611 | 1.925 | 0.0 | 42.799 | 1.314 | 0.0 | 51.375 | 1.737 | 0.0 | 38.348 | 1.509 | 0.0 | 39.571 | 1.799 |
| 15 | 17804 | 17805 | NS | 1 | 0.0 | 45.737 | 1.119 | 0.0 | 46.381 | 1.41 | 0.0 | 37.147 | 1.179 | 0.0 | 41.118 | 1.272 | 0.0 | 45.268 | 1.135 | 0.0 | 44.56 | 1.322 | 0.0 | 36.052 | 1.14 | 0.0 | 40.948 | 1.15 |
| 16 | 17804 | 17805 | NS | 1 | 0.0 | 54.427 | 3.828 | 0.0 | 45.344 | 5.006 | 0.0 | 46.911 | 3.77 | 0.0 | 42.45 | 4.418 | 0.0 | 55.557 | 3.777 | 0.0 | 44.815 | 4.66 | 0.0 | 46.23 | 3.777 | 0.0 | 40.965 | 4.29 |
| 17 | 17804 | 17805 | SN | 1 | 0.0 | 41.155 | 1.342 | 0.0 | 51.79 | 1.78 | 0.0 | 41.996 | 1.491 | 0.0 | 39.611 | 1.95 | 0.0 | 42.799 | 1.331 | 0.0 | 51.375 | 1.759 | 0.0 | 38.348 | 1.529 | 0.0 | 39.571 | 1.822 |
| 18 | 17804 | 17805 | NS | 1 | 0.0 | 45.186 | 1.112 | 0.0 | 45.963 | 1.399 | 0.0 | 38.035 | 1.172 | 0.0 | 41.221 | 1.306 | 0.0 | 44.568 | 1.128 | 0.0 | 44.139 | 1.297 | 0.0 | 40.693 | 1.152 | 0.0 | 40.921 | 1.15 |
| 19 | 17804 | 17805 | SN | 1 | 0.0 | 41.155 | 1.342 | 0.0 | 51.79 | 1.777 | 0.0 | 41.996 | 1.491 | 0.0 | 39.611 | 1.947 | 0.0 | 42.799 | 1.331 | 0.0 | 51.375 | 1.757 | 0.0 | 38.348 | 1.529 | 0.0 | 39.571 | 1.82 |
| 20 | 17804 | 17805 | SN | 1 | 0.0 | 41.32 | 4.911 | 0.0 | 42.55 | 5.554 | 0.0 | 40.48 | 4.341 | 0.0 | 42.009 | 5.585 | 0.0 | 40.071 | 5.053 | 0.0 | 42.794 | 5.798 | 0.0 | 40.754 | 4.533 | 0.0 | 41.139 | 5.784 |
| 21 | 17805 | 17806 | NS | 1 | 0.0 | 38.74 | 0.766 | 0.0 | 43.553 | 1.371 | 0.0 | 41.412 | 1.054 | 0.0 | 41.05 | 1.526 | 0.0 | 39.403 | 0.744 | 0.0 | 46.229 | 1.163 | 0.0 | 41.841 | 0.98 | 0.0 | 39.379 | 1.354 |
| 22 | 17805 | 17806 | SN | 1 | 0.0 | 33.935 | 0.552 | 0.0 | 38.712 | 0.881 | 0.0 | 37.431 | 0.863 | 0.0 | 38.646 | 1.297 | 0.0 | 33.559 | 0.543 | 0.0 | 35.172 | 0.773 | 0.0 | 35.211 | 0.768 | 0.0 | 37.251 | 1.074 |
| 23 | 17805 | 17806 | NS | 1 | 0.0 | 37.583 | 0.757 | 0.0 | 42.787 | 1.31 | 0.0 | 42.764 | 1.058 | 0.0 | 41.373 | 1.558 | 0.0 | 38.245 | 0.728 | 0.0 | 45.467 | 1.134 | 0.0 | 44.681 | 0.96 | 0.0 | 39.702 | 1.361 |
| 24 | 17805 | 17806 | SN | 1 | 0.0 | 37.069 | 1.707 | 0.0 | 38.231 | 2.238 | 0.0 | 39.953 | 2.486 | 0.0 | 42.714 | 3.634 | 0.0 | 38.526 | 1.676 | 0.0 | 37.269 | 1.98 | 0.0 | 39.28 | 2.37 | 0.0 | 41.618 | 3.085 |
| 25 | 17805 | 17806 | NS | 1 | 0.0 | 40.457 | 2.376 | 0.0 | 41.899 | 3.957 | 0.0 | 44.623 | 2.93 | 0.0 | 41.373 | 4.597 | 0.0 | 40.516 | 2.396 | 0.0 | 44.294 | 3.753 | 0.0 | 42.257 | 2.952 | 0.0 | 39.702 | 4.041 |
| 26 | 17805 | 17806 | NS | 1 | 0.0 | 42.83 | 2.416 | 0.0 | 42.481 | 3.957 | 0.0 | 44.413 | 2.909 | 0.0 | 41.05 | 4.54 | 0.0 | 42.469 | 2.376 | 0.0 | 44.893 | 3.703 | 0.0 | 46.239 | 2.902 | 0.0 | 40.23 | 4.133 |
| 27 | 17805 | 17806 | SN | 1 | 0.0 | 33.935 | 0.543 | 0.0 | 38.712 | 0.867 | 0.0 | 37.431 | 0.85 | 0.0 | 38.646 | 1.275 | 0.0 | 33.559 | 0.534 | 0.0 | 35.172 | 0.761 | 0.0 | 35.211 | 0.754 | 0.0 | 37.251 | 1.057 |
| 28 | 17805 | 17806 | SN | 1 | 0.0 | 33.935 | 0.543 | 0.0 | 38.712 | 0.867 | 0.0 | 37.431 | 0.85 | 0.0 | 38.646 | 1.275 | 0.0 | 33.559 | 0.534 | 0.0 | 35.172 | 0.761 | 0.0 | 35.211 | 0.754 | 0.0 | 37.251 | 1.057 |
| 29 | 17805 | 17806 | SN | 1 | 0.0 | 37.063 | 1.681 | 0.0 | 38.231 | 2.203 | 0.0 | 39.953 | 2.455 | 0.0 | 42.714 | 3.579 | 0.0 | 38.52 | 1.651 | 0.0 | 37.269 | 1.95 | 0.0 | 39.28 | 2.341 | 0.0 | 41.618 | 3.031 |
| 30 | 17805 | 17806 | SN | 1 | 0.0 | 37.063 | 1.681 | 0.0 | 38.231 | 2.203 | 0.0 | 39.953 | 2.455 | 0.0 | 42.714 | 3.579 | 0.0 | 38.52 | 1.651 | 0.0 | 37.269 | 1.95 | 0.0 | 39.28 | 2.341 | 0.0 | 41.618 | 3.031 |
| 31 | 17806 | 17807 | SN | 1 | 0.0 | 43.062 | 2.531 | 0.695 | 40.974 | 3.403 | 0.0 | 41.22 | 3.199 | 0.0 | 41.928 | 4.213 | 0.0 | 42.743 | 2.542 | 0.759 | 42.497 | 2.905 | 0.0 | 41.358 | 3.057 | 0.0 | 39.612 | 3.558 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|
| 32 | 17806 | 17807 | SN | 1 | 0.0 | 43.062 | 2.612 | 0.695 | 40.974 | 3.493 | 0.0 | 43.211 | 3.297 | 0.0 | 40.278 | 4.269 | 0.0 | 42.574 | 2.602 | 0.759 | 42.497 | 2.963 | 0.0 | 43.349 | 3.137 | 0.0 | 39.612 | 3.62 |
| 33 | 17806 | 17807 | NS | 1 | 0.0 | 49.42 | 4.732 | 0.0 | 55.543 | 7.034 | 0.0 | 47.847 | 4.126 | 0.0 | 46.56 | 5.343 | 0.0 | 49.999 | 4.803 | 0.0 | 52.43 | 6.81 | 0.0 | 49.741 | 4.205 | 0.0 | 45.501 | 5.222 |
| 34 | 17806 | 17807 | SN | 1 | 0.0 | 40.241 | 0.724 | 0.0 | 38.284 | 1.059 | 0.0 | 35.757 | 1.122 | 0.0 | 39.964 | 1.618 | 0.0 | 40.481 | 0.704 | 0.0 | 37.426 | 0.93 | 0.0 | 34.083 | 1.027 | 0.0 | 36.028 | 1.255 |
| 35 | 17806 | 17807 | NS | 1 | 0.0 | 46.972 | 1.193 | 0.0 | 42.58 | 1.819 | 0.0 | 37.29 | 1.093 | 0.0 | 42.377 | 1.621 | 0.0 | 46.475 | 1.223 | 0.0 | 44.223 | 1.771 | 0.0 | 35.48 | 1.156 | 0.0 | 40.545 | 1.511 |
| 36 | 17806 | 17807 | SN | 1 | 0.0 | 42.561 | 0.696 | 0.0 | 40.519 | 1.039 | 0.0 | 36.678 | 1.064 | 0.0 | 39.651 | 1.583 | 0.0 | 41.005 | 0.656 | 0.0 | 38.044 | 0.911 | 0.0 | 35.696 | 0.991 | 0.0 | 39.295 | 1.263 |
| 37 | 17806 | 17807 | NS | 1 | 0.0 | 49.42 | 4.732 | 0.0 | 55.543 | 7.044 | 0.0 | 47.875 | 4.119 | 0.0 | 46.551 | 5.329 | 0.0 | 49.999 | 4.803 | 0.0 | 52.431 | 6.82 | 0.0 | 49.766 | 4.169 | 0.0 | 45.492 | 5.251 |
| 38 | 17806 | 17807 | NS | 1 | 0.0 | 46.972 | 1.182 | 0.0 | 42.58 | 1.816 | 0.0 | 37.29 | 1.093 | 0.0 | 43.232 | 1.628 | 0.0 | 46.475 | 1.214 | 0.0 | 44.183 | 1.776 | 0.0 | 35.48 | 1.166 | 0.0 | 40.683 | 1.501 |
| 39 | 17806 | 17807 | SN | 1 | 0.0 | 40.241 | 0.699 | 0.0 | 38.284 | 1.033 | 0.0 | 36.334 | 1.087 | 0.0 | 39.964 | 1.586 | 0.0 | 40.481 | 0.687 | 0.0 | 37.426 | 0.904 | 0.0 | 34.425 | 1.012 | 0.0 | 36.028 | 1.237 |
| 40 | 17806 | 17807 | SN | 1 | 0.0 | 51.385 | 2.542 | 0.695 | 44.651 | 3.443 | 0.0 | 39.376 | 3.15 | 0.0 | 43.072 | 4.22 | 0.0 | 51.265 | 2.572 | 0.759 | 42.945 | 2.936 | 0.0 | 39.515 | 3.043 | 0.0 | 41.324 | 3.537 |
| 41 | 17807 | 17808 | NS | 1 | 0.0 | 42.988 | 2.021 | 0.0 | 39.755 | 2.511 | 0.0 | 42.997 | 2.462 | 0.0 | 40.216 | 2.878 | 0.0 | 42.243 | 2.011 | 0.0 | 39.026 | 2.267 | 0.0 | 42.199 | 2.433 | 0.0 | 40.439 | 2.65 |
| 42 | 17807 | 17808 | SN | 1 | 0.0 | 42.425 | 3.098 | 0.442 | 41.158 | 4.154 | 0.0 | 40.626 | 3.682 | 0.0 | 39.241 | 5.529 | 0.0 | 42.602 | 3.068 | 0.707 | 39.181 | 3.738 | 0.0 | 41.066 | 3.667 | 0.0 | 35.496 | 5.124 |
| 43 | 17807 | 17808 | SN | 1 | 0.0 | 45.957 | 3.078 | 0.442 | 41.893 | 4.215 | 0.0 | 40.626 | 3.745 | 0.0 | 39.241 | 5.693 | 0.0 | 45.1 | 3.038 | 0.707 | 39.181 | 3.667 | 0.0 | 41.066 | 3.646 | 0.0 | 39.712 | 5.238 |
| 44 | 17807 | 17808 | SN | 1 | 0.0 | 34.114 | 0.98 | 0.0 | 45.692 | 1.412 | 0.0 | 39.151 | 1.184 | 0.0 | 39.719 | 1.956 | 0.0 | 35.47 | 0.969 | 0.0 | 48.642 | 1.283 | 0.0 | 37.858 | 1.131 | 0.0 | 36.67 | 1.627 |
| 45 | 17807 | 17808 | NS | 1 | 0.0 | 50.349 | 2.01 | 0.0 | 47.332 | 2.41 | 0.0 | 44.015 | 2.29 | 0.0 | 42.948 | 2.864 | 0.0 | 50.31 | 1.959 | 0.0 | 46.746 | 2.196 | 0.0 | 45.67 | 2.119 | 0.0 | 45.155 | 2.529 |
| 46 | 17807 | 17808 | NS | 1 | 0.0 | 38.281 | 0.587 | 0.0 | 36.921 | 0.718 | 0.0 | 34.907 | 0.694 | 0.0 | 34.857 | 0.944 | 0.0 | 37.947 | 0.592 | 0.0 | 36.798 | 0.666 | 0.0 | 33.616 | 0.678 | 0.0 | 37.767 | 0.807 |
| 47 | 17807 | 17808 | NS | 1 | 0.0 | 40.369 | 0.606 | 0.0 | 38.058 | 0.812 | 0.0 | 34.565 | 0.701 | 0.0 | 40.015 | 0.954 | 0.0 | 40.024 | 0.597 | 0.0 | 38.452 | 0.674 | 0.0 | 35.007 | 0.687 | 0.0 | 37.419 | 0.817 |
| 48 | 17807 | 17808 | SN | 1 | 0.0 | 34.562 | 0.996 | 0.0 | 45.619 | 1.403 | 0.0 | 36.242 | 1.241 | 0.0 | 39.959 | 1.929 | 0.0 | 35.975 | 0.98 | 0.0 | 48.576 | 1.256 | 0.0 | 35.323 | 1.175 | 0.0 | 36.355 | 1.625 |
| 49 | 17808 | 17809 | SN | 1 | 0.0 | 42.666 | 2.755 | 0.0 | 44.994 | 3.745 | 0.0 | 41.452 | 3.313 | 0.0 | 45.104 | 4.382 | 0.0 | 42.604 | 2.826 | 0.0 | 46.6 | 3.268 | 0.0 | 41.668 | 3.193 | 0.0 | 43.003 | 3.62 |
| 50 | 17808 | 17809 | NS | 1 | 0.0 | 45.219 | 1.528 | 0.0 | 51.947 | 1.618 | 0.0 | 47.442 | 1.548 | 0.0 | 40.055 | 1.833 | 0.0 | 45.38 | 1.537 | 0.0 | 53.815 | 1.557 | 0.0 | 43.621 | 1.568 | 0.0 | 40.18 | 1.682 |
| 51 | 17808 | 17809 | SN | 1 | 0.0 | 42.666 | 2.906 | 0.0 | 44.994 | 3.935 | 0.0 | 41.079 | 3.473 | 0.0 | 45.104 | 4.548 | 0.0 | 42.604 | 2.98 | 0.0 | 46.6 | 3.431 | 0.0 | 41.202 | 3.346 | 0.0 | 43.003 | 3.781 |
| 52 | 17808 | 17809 | SN | 1 | 0.0 | 39.73 | 0.769 | 0.0 | 44.861 | 0.958 | 0.0 | 40.321 | 1.018 | 0.0 | 40.247 | 1.398 | 0.0 | 40.063 | 0.748 | 0.0 | 44.683 | 0.847 | 0.0 | 40.363 | 0.91 | 0.0 | 38.453 | 1.148 |
| 53 | 17808 | 17809 | NS | 1 | 0.0 | 48.197 | 5.149 | 0.0 | 54.464 | 5.44 | 0.0 | 42.01 | 5.214 | 0.0 | 42.68 | 5.693 | 0.0 | 47.924 | 5.149 | 0.0 | 54.784 | 5.206 | 0.0 | 41.473 | 5.165 | 0.0 | 41.068 | 5.543 |
| 54 | 17808 | 17809 | NS | 1 | 0.0 | 45.202 | 1.515 | 0.0 | 52.841 | 1.615 | 0.0 | 46.804 | 1.546 | 0.0 | 40.069 | 1.84 | 0.0 | 45.364 | 1.521 | 0.0 | 54.708 | 1.548 | 0.0 | 42.984 | 1.557 | 0.0 | 40.193 | 1.684 |
| 55 | 17808 | 17809 | SN | 1 | 0.0 | 39.73 | 0.813 | 0.0 | 44.861 | 1.008 | 0.0 | 38.129 | 1.065 | 0.0 | 40.247 | 1.445 | 0.0 | 40.063 | 0.792 | 0.0 | 44.683 | 0.891 | 0.0 | 36.324 | 0.958 | 0.0 | 38.453 | 1.196 |
| 56 | 17808 | 17809 | SN | 1 | 0.0 | 39.73 | 0.769 | 0.0 | 44.861 | 0.958 | 0.0 | 38.129 | 1.018 | 0.0 | 40.247 | 1.398 | 0.0 | 40.063 | 0.748 | 0.0 | 44.683 | 0.847 | 0.0 | 36.324 | 0.91 | 0.0 | 38.453 | 1.148 |
| 57 | 17808 | 17809 | NS | 1 | 0.0 | 48.166 | 5.149 | 0.0 | 54.464 | 5.43 | 0.0 | 41.961 | 5.236 | 0.0 | 42.578 | 5.75 | 0.0 | 47.891 | 5.169 | 0.0 | 54.784 | 5.206 | 0.0 | 41.424 | 5.214 | 0.0 | 40.791 | 5.572 |
| 58 | 17808 | 17809 | SN | 1 | 0.0 | 42.666 | 2.755 | 0.0 | 44.994 | 3.745 | 0.0 | 41.079 | 3.313 | 0.0 | 45.104 | 4.382 | 0.0 | 42.604 | 2.826 | 0.0 | 46.6 | 3.268 | 0.0 | 41.275 | 3.193 | 0.0 | 43.003 | 3.62 |
| 59 | 17809 | 17810 | NS | 1 | 0.0 | 44.86 | 1.29 | 0.0 | 51.812 | 1.711 | 0.0 | 45.429 | 1.505 | 0.0 | 43.854 | 1.933 | 0.0 | 42.736 | 1.279 | 0.0 | 53.79 | 1.541 | 0.0 | 42.435 | 1.457 | 0.0 | 45.823 | 1.688 |
| 60 | 17809 | 17810 | NS | 1 | 0.0 | 44.895 | 4.843 | 0.0 | 49.722 | 6.369 | 0.0 | 44.512 | 4.708 | 0.0 | 48.232 | 5.488 | 0.0 | 44.985 | 4.995 | 0.0 | 47.291 | 5.982 | 0.0 | 44.396 | 4.495 | 0.0 | 45.548 | 5.21 |
| 61 | 17809 | 17810 | SN | 1 | 0.0 | 52.985 | 1.515 | 0.0 | 46.254 | 1.8 | 0.0 | 46.444 | 1.267 | 0.0 | 41.124 | 1.586 | 0.0 | 52.208 | 1.524 | 0.0 | 45.364 | 1.789 | 0.0 | 45.587 | 1.193 | 0.0 | 40.636 | 1.421 |
| 62 | 17809 | 17810 | SN | 1 | 0.0 | 50.033 | 6.242 | 0.0 | 53.342 | 7.037 | 0.0 | 46.21 | 5.057 | 0.0 | 47.513 | 5.603 | 0.0 | 49.432 | 6.34 | 0.0 | 55.104 | 6.785 | 0.0 | 47.602 | 4.75 | 0.0 | 47.081 | 5.249 |
| 63 | 17809 | 17810 | NS | 1 | 0.0 | 45.431 | 1.288 | 0.0 | 46.354 | 1.686 | 0.0 | 38.587 | 1.495 | 0.0 | 43.441 | 1.936 | 0.0 | 46.807 | 1.281 | 0.0 | 48.333 | 1.541 | 0.0 | 38.741 | 1.436 | 0.0 | 45.409 | 1.681 |
| 64 | 17809 | 17810 | SN | 1 | 0.0 | 52.985 | 1.638 | 0.0 | 46.008 | 1.943 | 0.0 | 46.577 | 1.337 | 0.0 | 45.381 | 1.671 | 0.0 | 52.21 | 1.645 | 0.0 | 45.365 | 1.94 | 0.0 | 45.72 | 1.252 | 0.0 | 44.893 | 1.508 |
| 65 | 17809 | 17810 | SN | 1 | 0.0 | 49.631 | 5.853 | 0.0 | 53.299 | 6.539 | 0.0 | 46.079 | 4.724 | 0.0 | 43.256 | 5.279 | 0.0 | 49.362 | 5.884 | 0.0 | 55.059 | 6.296 | 0.0 | 46.189 | 4.362 | 0.0 | 45.197 | 4.895 |
| 66 | 17809 | 17810 | SN | 1 | 0.0 | 50.033 | 5.803 | 0.0 | 53.342 | 6.55 | 0.0 | 46.21 | 4.724 | 0.0 | 47.513 | 5.279 | 0.0 | 49.432 | 5.884 | 0.0 | 55.104 | 6.286 | 0.0 | 47.602 | 4.405 | 0.0 | 47.081 | 4.867 |
| 67 | 17809 | 17810 | SN | 1 | 0.0 | 52.985 | 1.519 | 0.0 | 46.008 | 1.805 | 0.0 | 46.577 | 1.244 | 0.0 | 45.381 | 1.563 | 0.0 | 52.21 | 1.526 | 0.0 | 45.365 | 1.798 | 0.0 | 45.72 | 1.163 | 0.0 | 44.893 | 1.407 |

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

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|-----|-------|-------|----|---|-------|--------|-------|------|--------|-------|-----|--------|-------|-----|--------|-------|-------|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|
| 68 | 17809 | 17810 | NS | 1 | 0.0 | 41.234 | 4.965 | 0.0 | 48.792 | 6.46 | 0.0 | 47.312 | 4.801 | 0.0 | 45.865 | 5.445 | 0.0 | 42.246 | 5.046 | 0.0 | 47.729 | 6.023 | 0.0 | 45.734 | 4.587 | 0.0 | 44.861 | 5.281 |
| 69 | 17810 | 17811 | NS | 1 | 0.0 | 41.5 | 0.579 | 0.0 | 45.335 | 0.9 | 0.0 | 40.027 | 0.669 | 0.0 | 39.022 | 1.154 | 0.0 | 42.408 | 0.574 | 0.0 | 44.961 | 0.836 | 0.0 | 40.727 | 0.639 | 0.0 | 40.706 | 0.973 |
| 70 | 17810 | 17811 | NS | 1 | 0.0 | 46.074 | 2.112 | 0.0 | 46.288 | 2.757 | 0.0 | 40.237 | 1.984 | 0.0 | 42.208 | 3.464 | 0.0 | 46.435 | 2.092 | 0.0 | 45.914 | 2.666 | 0.0 | 38.387 | 2.006 | 0.0 | 42.584 | 3.022 |
| 71 | 17810 | 17811 | NS | 1 | 0.0 | 46.37 | 2.041 | 0.0 | 43.506 | 2.777 | 0.0 | 43.865 | 1.991 | 0.0 | 38.253 | 3.45 | 0.0 | 46.979 | 2.021 | 0.0 | 46.039 | 2.696 | 0.0 | 44.016 | 1.97 | 0.0 | 37.602 | 2.979 |
| 72 | 17810 | 17811 | SN | 1 | 0.0 | 50.989 | 3.612 | 0.0 | 49.182 | 3.745 | 0.0 | 49.369 | 3.327 | 0.0 | 45.893 | 4.494 | 0.0 | 51.91 | 3.601 | 0.0 | 50.444 | 3.566 | 0.0 | 48.974 | 3.085 | 0.0 | 43.887 | 3.564 |
| 73 | 17810 | 17811 | SN | 1 | 0.0 | 50.989 | 3.302 | 0.0 | 49.182 | 3.442 | 0.0 | 49.369 | 3.072 | 0.0 | 45.893 | 4.219 | 0.0 | 51.91 | 3.292 | 0.0 | 50.444 | 3.26 | 0.0 | 48.974 | 2.838 | 0.0 | 43.887 | 3.301 |
| 74 | 17810 | 17811 | SN | 1 | 0.0 | 50.989 | 3.302 | 0.0 | 49.182 | 3.442 | 0.0 | 49.369 | 3.072 | 0.0 | 45.893 | 4.219 | 0.0 | 51.91 | 3.292 | 0.0 | 50.444 | 3.26 | 0.0 | 48.974 | 2.838 | 0.0 | 43.887 | 3.301 |
| 75 | 17810 | 17811 | SN | 1 | 0.0 | 41.375 | 0.952 | 0.0 | 45.893 | 1.048 | 0.0 | 40.222 | 0.976 | 0.0 | 40.561 | 1.416 | 0.0 | 42.49 | 0.957 | 0.0 | 45.488 | 0.974 | 0.0 | 40.62 | 0.906 | 0.0 | 37.413 | 1.091 |
| 76 | 17810 | 17811 | NS | 1 | 0.0 | 40.375 | 0.574 | 0.0 | 44.08 | 0.9 | 0.0 | 40.327 | 0.648 | 0.0 | 36.331 | 1.164 | 0.0 | 40.6 | 0.572 | 0.0 | 46.576 | 0.818 | 0.0 | 42.065 | 0.641 | 0.0 | 37.293 | 0.992 |
| 77 | 17810 | 17811 | SN | 1 | 0.0 | 41.375 | 0.87 | 0.0 | 45.893 | 0.96 | 0.0 | 40.222 | 0.896 | 0.0 | 40.561 | 1.332 | 0.0 | 42.49 | 0.875 | 0.0 | 45.488 | 0.892 | 0.0 | 40.62 | 0.829 | 0.0 | 37.413 | 1.013 |
| 78 | 17810 | 17811 | SN | 1 | 0.0 | 41.375 | 0.87 | 0.0 | 45.893 | 0.96 | 0.0 | 40.222 | 0.896 | 0.0 | 40.561 | 1.332 | 0.0 | 42.49 | 0.875 | 0.0 | 45.488 | 0.892 | 0.0 | 40.62 | 0.829 | 0.0 | 37.413 | 1.015 |
| 79 | 17811 | 17812 | SN | 1 | 0.0 | 44.128 | 3.422 | 0.43 | 56.13 | 3.921 | 0.0 | 41.517 | 3.753 | 0.0 | 45.42 | 4.007 | 0.0 | 43.705 | 3.422 | 0.885 | 60.146 | 3.586 | 0.0 | 41.807 | 3.462 | 0.0 | 41.452 | 3.572 |
| 80 | 17811 | 17812 | NS | 1 | 0.0 | 46.622 | 1.254 | 0.0 | 46.254 | 1.541 | 0.0 | 39.032 | 1.33 | 0.0 | 38.509 | 1.788 | 0.0 | 45.98 | 1.248 | 0.0 | 46.621 | 1.439 | 0.0 | 36.515 | 1.264 | 0.0 | 38.85 | 1.548 |
| 81 | 17811 | 17812 | SN | 1 | 0.0 | 50.211 | 0.834 | 0.0 | 36.986 | 1.191 | 0.0 | 45.404 | 1.087 | 0.0 | 40.767 | 1.441 | 0.0 | 50.205 | 0.832 | 0.0 | 34.86 | 1.048 | 0.0 | 45.354 | 1.034 | 0.0 | 40.974 | 1.203 |
| 82 | 17811 | 17812 | NS | 1 | 0.0 | 45.935 | 4.539 | 0.0 | 52.726 | 5.693 | 0.0 | 43.407 | 4.197 | 0.0 | 42.382 | 5.87 | 0.0 | 46.691 | 4.539 | 0.0 | 51.14 | 5.489 | 0.0 | 43.189 | 4.026 | 0.0 | 38.772 | 5.35 |
| 83 | 17812 | 17813 | NS | 1 | 0.0 | 40.369 | 1.139 | 0.0 | 42.286 | 1.5 | 0.0 | 37.354 | 1.113 | 0.0 | 47.505 | 1.749 | 0.0 | 40.403 | 1.109 | 0.0 | 42.206 | 1.424 | 0.0 | 36.811 | 1.065 | 0.0 | 45.62 | 1.513 |
| 84 | 17812 | 17813 | SN | 1 | 0.0 | 44.956 | 0.919 | 0.0 | 45.046 | 1.125 | 0.0 | 37.866 | 1.007 | 0.0 | 38.772 | 1.218 | 0.0 | 45.089 | 0.913 | 0.0 | 42.163 | 0.978 | 0.0 | 38.719 | 0.899 | 0.0 | 36.153 | 0.977 |
| 85 | 17812 | 17813 | SN | 1 | 0.368 | 44.441 | 4.273 | 0.0 | 53.13 | 4.629 | 0.0 | 40.058 | 3.369 | 0.0 | 46.687 | 3.862 | 0.581 | 45.713 | 4.07 | 0.0 | 54.083 | 4.162 | 0.0 | 38.991 | 3.092 | 0.0 | 47.404 | 3.229 |
| 86 | 17812 | 17813 | NS | 1 | 0.0 | 43.533 | 3.939 | 0.0 | 47.23 | 5.613 | 0.0 | 42.758 | 3.413 | 0.0 | 44.631 | 4.767 | 0.0 | 44.136 | 4.041 | 0.0 | 45.221 | 5.318 | 0.0 | 42.327 | 3.335 | 0.0 | 41.806 | 4.275 |
| 87 | 17813 | 17814 | SN | 1 | 0.322 | 56.419 | 3.858 | 0.0 | 52.001 | 4.64 | 0.0 | 44.076 | 3.929 | 0.0 | 47.327 | 4.865 | 0.238 | 55.366 | 3.827 | 0.0 | 54.716 | 4.437 | 0.0 | 43.379 | 3.986 | 0.0 | 45.309 | 4.594 |
| 88 | 17813 | 17814 | NS | 1 | 0.0 | 41.125 | 0.788 | 0.0 | 43.378 | 0.996 | 0.0 | 43.376 | 1.089 | 0.0 | 37.796 | 1.43 | 0.0 | 39.546 | 0.744 | 0.0 | 45.231 | 0.896 | 0.0 | 44.775 | 1.009 | 0.0 | 38.758 | 1.101 |
| 89 | 17813 | 17814 | NS | 1 | 0.0 | 41.721 | 0.789 | 0.0 | 43.378 | 0.996 | 0.0 | 43.376 | 1.097 | 0.0 | 37.796 | 1.425 | 0.0 | 40.141 | 0.746 | 0.0 | 45.231 | 0.897 | 0.0 | 44.775 | 1.01 | 0.0 | 38.758 | 1.096 |
| 90 | 17813 | 17814 | NS | 1 | 0.0 | 46.71 | 2.355 | 0.0 | 46.606 | 2.905 | 0.0 | 40.552 | 3.115 | 0.0 | 39.741 | 3.972 | 0.0 | 48.44 | 2.314 | 0.0 | 43.84 | 2.467 | 0.0 | 42.464 | 3.008 | 0.0 | 39.442 | 3.35 |
| 91 | 17813 | 17814 | NS | 1 | 0.0 | 46.71 | 2.356 | 0.0 | 46.606 | 2.898 | 0.0 | 40.552 | 3.102 | 0.0 | 39.764 | 3.969 | 0.0 | 48.44 | 2.315 | 0.0 | 43.84 | 2.461 | 0.0 | 42.464 | 3.002 | 0.0 | 39.596 | 3.342 |
| 92 | 17813 | 17814 | SN | 1 | 0.0 | 52.143 | 1.127 | 0.0 | 46.345 | 1.486 | 0.0 | 43.175 | 1.132 | 0.0 | 43.116 | 1.548 | 0.0 | 53.664 | 1.12 | 0.0 | 44.236 | 1.405 | 0.0 | 43.951 | 1.07 | 0.0 | 42.269 | 1.465 |
| 93 | 17814 | 17815 | NS | 1 | 0.0 | 40.327 | 1.012 | 0.0 | 40.598 | 1.58 | 0.0 | 38.663 | 1.226 | 0.0 | 40.674 | 1.874 | 0.0 | 40.149 | 1.017 | 0.0 | 36.685 | 1.388 | 0.0 | 38.688 | 1.143 | 0.0 | 38.958 | 1.642 |
| 94 | 17814 | 17815 | NS | 1 | 0.0 | 47.009 | 3.625 | 0.0 | 44.719 | 5.057 | 0.0 | 43.366 | 4.203 | 0.0 | 38.703 | 5.509 | 0.0 | 47.003 | 3.696 | 0.0 | 43.349 | 4.976 | 0.0 | 40.757 | 4.011 | 0.0 | 39.989 | 5.067 |
| 95 | 17814 | 17815 | SN | 1 | 0.0 | 40.974 | 1.091 | 0.0 | 41.987 | 1.576 | 0.0 | 39.289 | 1.177 | 0.0 | 41.508 | 1.468 | 0.0 | 40.926 | 1.095 | 0.0 | 42.565 | 1.563 | 0.0 | 38.466 | 1.127 | 0.0 | 43.841 | 1.406 |
| 96 | 17814 | 17815 | NS | 1 | 0.0 | 46.962 | 3.513 | 0.0 | 50.347 | 5.169 | 0.0 | 41.149 | 4.16 | 0.0 | 39.515 | 5.488 | 0.0 | 46.958 | 3.615 | 0.0 | 49.538 | 4.915 | 0.0 | 40.411 | 4.011 | 0.0 | 38.28 | 5.089 |
| 97 | 17814 | 17815 | SN | 1 | 0.0 | 40.974 | 1.091 | 0.0 | 41.987 | 1.576 | 0.0 | 39.289 | 1.177 | 0.0 | 41.508 | 1.468 | 0.0 | 40.926 | 1.095 | 0.0 | 42.565 | 1.563 | 0.0 | 38.466 | 1.127 | 0.0 | 43.841 | 1.406 |
| 98 | 17814 | 17815 | SN | 1 | 0.277 | 47.544 | 4.344 | 0.0 | 52.019 | 5.939 | 0.0 | 40.29 | 3.843 | 0.0 | 43.497 | 4.879 | 0.204 | 47.068 | 4.293 | 0.0 | 52.899 | 5.665 | 0.0 | 40.188 | 3.822 | 0.0 | 44.011 | 4.644 |
| 99 | 17814 | 17815 | NS | 1 | 0.0 | 46.962 | 3.562 | 0.0 | 50.347 | 5.235 | 0.0 | 41.149 | 4.2 | 0.0 | 39.515 | 5.559 | 0.0 | 46.958 | 3.664 | 0.0 | 49.538 | 4.978 | 0.0 | 40.411 | 4.049 | 0.0 | 38.28 | 5.155 |
| 100 | 17814 | 17815 | NS | 1 | 0.0 | 43.494 | 1.049 | 0.0 | 39.882 | 1.58 | 0.0 | 37.29 | 1.23 | 0.0 | 42.928 | 1.897 | 0.0 | 43.39 | 1.06 | 0.0 | 37.093 | 1.377 | 0.0 | 35.742 | 1.177 | 0.0 | 41.853 | 1.659 |
| 101 | 17814 | 17815 | NS | 1 | 0.0 | 40.327 | 1.027 | 0.0 | 40.598 | 1.602 | 0.0 | 38.663 | 1.237 | 0.0 | 40.674 | 1.901 | 0.0 | 40.149 | 1.031 | 0.0 | 36.685 | 1.407 | 0.0 | 38.688 | 1.15 | 0.0 | 38.958 | 1.665 |
| 102 | 17814 | 17815 | SN | 1 | 0.277 | 47.544 | 4.344 | 0.0 | 52.019 | 5.939 | 0.0 | 40.29 | 3.843 | 0.0 | 43.497 | 4.879 | 0.204 | 47.068 | 4.293 | 0.0 | 52.899 | 5.665 | 0.0 | 40.188 | 3.822 | 0.0 | 44.011 | 4.644 |
| 103 | 17815 | 17816 | SN | 1 | 0.0 | 39.979 | 1.459 | 0.0 | 46.557 | 2.04 | 0.0 | 41.376 | 1.588 | 0.0 | 37.988 | 2.242 | 0.0 | 38.798 | 1.448 | 0.0 | 45.718 | 2.044 | 0.0 | 42.162 | 1.618 | 0.0 | 36.599 | 2.166 |

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

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|-----|-------|-------|----|---|-------|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|-------|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|
| 104 | 17815 | 17816 | NS | 1 | 0.0 | 40.081 | 0.773 | 0.0 | 43.144 | 1.085 | 0.0 | 36.463 | 0.976 | 0.0 | 41.616 | 1.361 | 0.0 | 40.565 | 0.791 | 0.0 | 43.94 | 0.97 | 0.0 | 39.19 | 0.942 | 0.0 | 37.364 | 1.107 |
| 105 | 17815 | 17816 | NS | 1 | 0.0 | 40.208 | 0.759 | 0.0 | 43.041 | 1.08 | 0.0 | 38.211 | 0.987 | 0.0 | 41.616 | 1.333 | 0.0 | 40.691 | 0.764 | 0.0 | 43.836 | 0.961 | 0.0 | 40.542 | 0.955 | 0.0 | 38.521 | 1.111 |
| 106 | 17815 | 17816 | SN | 1 | 0.0 | 39.979 | 1.466 | 0.0 | 46.557 | 2.04 | 0.0 | 41.376 | 1.593 | 0.0 | 37.988 | 2.237 | 0.0 | 38.798 | 1.45 | 0.0 | 45.718 | 2.049 | 0.0 | 42.162 | 1.627 | 0.0 | 36.598 | 2.161 |
| 107 | 17815 | 17816 | SN | 1 | 0.0 | 45.839 | 5.459 | 0.0 | 48.908 | 6.346 | 0.0 | 39.93 | 4.697 | 0.0 | 44.284 | 6.489 | 0.0 | 46.197 | 5.713 | 0.0 | 50.791 | 6.702 | 0.0 | 39.275 | 4.889 | 0.0 | 43.903 | 6.759 |
| 108 | 17815 | 17816 | SN | 1 | 0.0 | 45.839 | 5.469 | 0.0 | 48.908 | 6.346 | 0.0 | 40.07 | 4.704 | 0.0 | 46.111 | 6.482 | 0.0 | 46.197 | 5.723 | 0.0 | 50.791 | 6.702 | 0.0 | 39.275 | 4.896 | 0.0 | 48.94 | 6.759 |
| 109 | 17815 | 17816 | NS | 1 | 0.0 | 54.51 | 3.106 | 1.522 | 46.886 | 3.908 | 0.0 | 46.894 | 3.143 | 0.0 | 40.092 | 4.098 | 0.0 | 53.485 | 3.127 | 0.362 | 46.416 | 3.643 | 0.0 | 47.857 | 2.944 | 0.0 | 40.023 | 3.457 |
| 110 | 17815 | 17816 | NS | 1 | 0.0 | 44.057 | 3.086 | 1.522 | 44.708 | 3.958 | 0.0 | 46.894 | 3.186 | 0.0 | 40.333 | 4.098 | 0.0 | 44.404 | 3.157 | 0.362 | 44.825 | 3.653 | 0.0 | 47.857 | 3.001 | 0.0 | 40.264 | 3.478 |
| 111 | 17816 | 17817 | NS | 1 | 0.0 | 44.162 | 1.123 | 0.0 | 43.994 | 1.441 | 0.0 | 42.781 | 0.978 | 0.0 | 42.693 | 1.457 | 0.0 | 43.794 | 1.11 | 0.0 | 43.408 | 1.359 | 0.0 | 42.141 | 0.885 | 0.0 | 39.193 | 1.31 |
| 112 | 17816 | 17817 | NS | 1 | 0.0 | 49.174 | 3.287 | 0.0 | 49.38 | 4.381 | 0.0 | 38.294 | 2.773 | 0.0 | 45.944 | 4.209 | 0.0 | 50.556 | 3.287 | 0.0 | 47.762 | 4.117 | 0.0 | 39.012 | 2.716 | 0.0 | 45.377 | 3.818 |
| 113 | 17816 | 17817 | NS | 1 | 0.0 | 47.832 | 3.636 | 0.0 | 48.58 | 4.892 | 0.0 | 38.361 | 3.021 | 0.0 | 45.845 | 4.821 | 0.0 | 48.608 | 3.705 | 0.0 | 47.456 | 4.616 | 0.0 | 38.992 | 3.037 | 0.0 | 45.107 | 4.272 |
| 114 | 17816 | 17817 | NS | 1 | 0.0 | 49.844 | 3.348 | 0.0 | 48.641 | 4.341 | 0.0 | 38.361 | 2.816 | 0.0 | 45.845 | 4.281 | 0.0 | 51.226 | 3.369 | 0.0 | 47.456 | 4.117 | 0.0 | 38.992 | 2.78 | 0.0 | 45.107 | 3.796 |
| 115 | 17816 | 17817 | SN | 1 | 0.0 | 42.278 | 0.873 | 0.0 | 39.339 | 1.242 | 0.0 | 36.621 | 0.984 | 0.0 | 36.54 | 1.6 | 0.0 | 41.762 | 0.897 | 0.0 | 43.032 | 1.136 | 0.0 | 36.009 | 1.023 | 0.0 | 37.073 | 1.453 |
| 116 | 17816 | 17817 | SN | 1 | 0.0 | 48.859 | 2.765 | 0.0 | 50.627 | 3.94 | 0.0 | 43.871 | 3.03 | 0.0 | 43.76 | 4.169 | 0.0 | 49.517 | 2.836 | 0.0 | 51.91 | 3.636 | 0.0 | 43.411 | 3.037 | 0.0 | 43.304 | 4.219 |
| 117 | 17816 | 17817 | SN | 1 | 0.0 | 42.278 | 0.87 | 0.0 | 39.339 | 1.242 | 0.0 | 39.125 | 0.992 | 0.0 | 36.54 | 1.602 | 0.0 | 41.762 | 0.895 | 0.0 | 43.032 | 1.136 | 0.0 | 36.604 | 1.025 | 0.0 | 37.073 | 1.453 |
| 118 | 17816 | 17817 | SN | 1 | 0.0 | 48.859 | 2.775 | 0.0 | 50.627 | 3.94 | 0.0 | 43.871 | 3.03 | 0.0 | 43.76 | 4.169 | 0.0 | 49.517 | 2.846 | 0.0 | 51.91 | 3.636 | 0.0 | 43.411 | 3.051 | 0.0 | 43.304 | 4.219 |
| 119 | 17816 | 17817 | NS | 1 | 0.0 | 44.162 | 0.996 | 0.0 | 43.994 | 1.269 | 0.0 | 42.781 | 0.901 | 0.0 | 42.693 | 1.295 | 0.0 | 43.794 | 0.989 | 0.0 | 43.408 | 1.206 | 0.0 | 42.141 | 0.843 | 0.0 | 37.021 | 1.153 |
| 120 | 17816 | 17817 | NS | 1 | 0.0 | 44.178 | 1.001 | 0.0 | 43.91 | 1.258 | 0.0 | 43.112 | 0.906 | 0.0 | 42.991 | 1.298 | 0.0 | 43.812 | 0.985 | 0.0 | 43.325 | 1.186 | 0.0 | 42.472 | 0.848 | 0.0 | 38.023 | 1.151 |
| 121 | 17817 | 17818 | SN | 1 | 0.0 | 47.406 | 1.448 | 0.0 | 46.258 | 1.782 | 0.0 | 40.072 | 1.62 | 0.0 | 43.106 | 1.893 | 0.0 | 46.406 | 1.512 | 0.0 | 45.495 | 1.654 | 0.0 | 40.377 | 1.523 | 0.0 | 40.469 | 1.511 |
| 122 | 17817 | 17818 | NS | 1 | 0.0 | 51.325 | 4.083 | 0.0 | 51.308 | 5.693 | 0.0 | 44.724 | 4.126 | 0.0 | 51.6 | 5.912 | 0.0 | 52.577 | 4.154 | 0.0 | 50.381 | 5.215 | 0.0 | 45.492 | 3.984 | 0.0 | 46.521 | 4.972 |
| 123 | 17817 | 17818 | NS | 1 | 0.0 | 51.325 | 4.083 | 0.0 | 51.308 | 5.693 | 0.0 | 44.724 | 4.126 | 0.0 | 51.6 | 5.912 | 0.0 | 52.577 | 4.154 | 0.0 | 50.381 | 5.215 | 0.0 | 45.492 | 3.984 | 0.0 | 46.521 | 4.972 |
| 124 | 17817 | 17818 | NS | 1 | 0.0 | 49.772 | 1.603 | 0.0 | 49.555 | 2.136 | 0.0 | 40.971 | 1.288 | 0.0 | 47.788 | 1.874 | 0.0 | 49.338 | 1.587 | 0.0 | 46.021 | 2.003 | 0.0 | 42.015 | 1.235 | 0.0 | 45.38 | 1.624 |
| 125 | 17817 | 17818 | NS | 1 | 0.0 | 49.772 | 1.331 | 0.0 | 49.555 | 1.762 | 0.0 | 40.971 | 1.117 | 0.0 | 47.788 | 1.626 | 0.0 | 49.338 | 1.302 | 0.0 | 46.021 | 1.644 | 0.0 | 42.015 | 1.062 | 0.0 | 45.38 | 1.399 |
| 126 | 17817 | 17818 | NS | 1 | 0.0 | 49.772 | 1.331 | 0.0 | 49.555 | 1.762 | 0.0 | 40.971 | 1.117 | 0.0 | 47.788 | 1.626 | 0.0 | 49.338 | 1.3 | 0.0 | 46.021 | 1.644 | 0.0 | 42.015 | 1.062 | 0.0 | 45.38 | 1.399 |
| 127 | 17817 | 17818 | NS | 1 | 0.0 | 51.325 | 4.985 | 0.0 | 51.308 | 6.719 | 0.0 | 44.724 | 4.843 | 0.0 | 51.6 | 6.727 | 0.0 | 52.577 | 5.035 | 0.0 | 50.381 | 6.246 | 0.0 | 45.492 | 4.678 | 0.0 | 46.521 | 5.731 |
| 128 | 17817 | 17818 | SN | 1 | 0.0 | 47.406 | 1.377 | 0.0 | 46.258 | 1.696 | 0.0 | 41.905 | 1.539 | 0.0 | 43.106 | 1.779 | 0.0 | 46.406 | 1.438 | 0.0 | 45.495 | 1.574 | 0.0 | 40.377 | 1.447 | 0.0 | 40.469 | 1.423 |
| 129 | 17817 | 17818 | SN | 1 | 0.0 | 44.277 | 1.397 | 0.0 | 50.876 | 1.686 | 0.0 | 41.433 | 1.546 | 0.0 | 43.933 | 1.801 | 0.0 | 45.908 | 1.448 | 0.0 | 48.864 | 1.615 | 0.0 | 41.0 | 1.461 | 0.0 | 41.481 | 1.445 |
| 130 | 17817 | 17818 | SN | 1 | 0.0 | 39.065 | 0.375 | 0.0 | 42.006 | 0.521 | 0.0 | 35.511 | 0.464 | 0.0 | 46.91 | 0.553 | 0.0 | 38.991 | 0.408 | 0.0 | 41.56 | 0.456 | 0.0 | 33.811 | 0.417 | 0.0 | 42.364 | 0.463 |
| 131 | 17817 | 17818 | SN | 1 | 0.0 | 39.065 | 0.356 | 0.0 | 42.006 | 0.49 | 0.0 | 35.511 | 0.444 | 0.0 | 46.91 | 0.531 | 0.0 | 38.991 | 0.383 | 0.0 | 41.56 | 0.432 | 0.0 | 33.811 | 0.395 | 0.0 | 42.364 | 0.44 |
| 132 | 17817 | 17818 | SN | 1 | 0.0 | 39.198 | 0.367 | 0.0 | 42.194 | 0.488 | 0.0 | 38.013 | 0.432 | 0.0 | 47.739 | 0.532 | 0.0 | 39.122 | 0.394 | 0.0 | 41.749 | 0.425 | 0.0 | 37.491 | 0.388 | 0.0 | 43.194 | 0.444 |
| 133 | 17818 | 17819 | SN | 1 | 0.0 | 46.337 | 1.431 | 0.0 | 44.25 | 1.917 | 0.0 | 43.916 | 1.454 | 0.0 | 44.47 | 1.832 | 0.0 | 46.21 | 1.512 | 0.0 | 44.658 | 1.953 | 0.0 | 42.108 | 1.461 | 0.0 | 42.231 | 1.823 |
| 134 | 17818 | 17819 | NS | 1 | 0.0 | 45.986 | 1.038 | 0.0 | 44.744 | 1.363 | 0.0 | 42.891 | 0.916 | 0.0 | 43.69 | 1.274 | 0.0 | 46.809 | 1.029 | 0.0 | 43.272 | 1.241 | 0.0 | 39.348 | 0.866 | 0.0 | 41.971 | 1.031 |
| 135 | 17818 | 17819 | SN | 1 | 0.0 | 46.337 | 1.431 | 0.0 | 44.25 | 1.917 | 0.0 | 43.916 | 1.454 | 0.0 | 44.47 | 1.832 | 0.0 | 46.21 | 1.512 | 0.0 | 44.658 | 1.953 | 0.0 | 42.108 | 1.461 | 0.0 | 42.231 | 1.823 |
| 136 | 17818 | 17819 | NS | 1 | 0.0 | 45.986 | 1.033 | 0.0 | 44.744 | 1.354 | 0.0 | 40.16 | 0.941 | 0.0 | 43.69 | 1.267 | 0.0 | 46.809 | 1.033 | 0.0 | 43.272 | 1.241 | 0.0 | 38.79 | 0.872 | 0.0 | 41.971 | 1.034 |
| 137 | 17818 | 17819 | NS | 1 | 0.0 | 47.464 | 3.818 | 0.0 | 47.74 | 4.86 | 0.0 | 44.411 | 3.443 | 0.0 | 41.931 | 4.532 | 0.0 | 49.585 | 3.798 | 0.0 | 48.988 | 4.555 | 0.0 | 46.594 | 3.172 | 0.0 | 40.209 | 3.677 |
| 138 | 17818 | 17819 | NS | 1 | 0.0 | 47.464 | 3.848 | 0.0 | 47.74 | 4.881 | 0.0 | 44.411 | 3.379 | 0.0 | 41.931 | 4.517 | 0.0 | 49.585 | 3.828 | 0.0 | 48.988 | 4.555 | 0.0 | 46.594 | 3.144 | 0.0 | 40.209 | 3.691 |
| 139 | 17818 | 17819 | SN | 1 | 0.198 | 47.502 | 5.893 | 0.0 | 55.406 | 6.457 | 0.0 | 39.948 | 4.971 | 0.0 | 43.239 | 5.277 | 0.254 | 47.22 | 5.964 | 0.0 | 56.308 | 6.751 | 0.0 | 41.081 | 5.248 | 0.0 | 43.283 | 5.597 |

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

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|-----|-------|-------|----|---|-------|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|-------|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|
| 140 | 17818 | 17819 | SN | 1 | 0.198 | 47.502 | 5.893 | 0.0 | 55.406 | 6.457 | 0.0 | 39.948 | 4.971 | 0.0 | 43.239 | 5.277 | 0.254 | 47.22 | 5.964 | 0.0 | 56.308 | 6.751 | 0.0 | 41.081 | 5.248 | 0.0 | 43.283 | 5.597 |
| 141 | 17818 | 17819 | SN | 1 | 0.0 | 47.502 | 5.987 | 0.0 | 55.406 | 6.557 | 0.0 | 39.948 | 5.052 | 0.0 | 43.239 | 5.36 | 0.0 | 47.22 | 6.059 | 0.0 | 56.308 | 6.856 | 0.0 | 41.081 | 5.333 | 0.0 | 43.283 | 5.685 |
| 142 | 17818 | 17819 | SN | 1 | 0.0 | 46.337 | 1.454 | 0.0 | 44.25 | 1.947 | 0.0 | 43.916 | 1.478 | 0.0 | 44.47 | 1.861 | 0.0 | 46.21 | 1.537 | 0.0 | 44.658 | 1.983 | 0.0 | 42.108 | 1.486 | 0.0 | 42.231 | 1.852 |
| 143 | 17819 | 17820 | NS | 1 | 0.0 | 43.222 | 3.179 | 0.0 | 43.352 | 4.687 | 0.0 | 40.434 | 3.642 | 0.0 | 41.474 | 4.888 | 0.0 | 44.014 | 3.179 | 0.0 | 44.657 | 4.311 | 0.0 | 38.95 | 3.692 | 0.0 | 40.963 | 4.617 |
| 144 | 17819 | 17820 | SN | 1 | 0.0 | 45.865 | 4.66 | 0.0 | 50.341 | 5.066 | 0.0 | 41.251 | 4.684 | 0.0 | 40.514 | 5.641 | 0.0 | 45.76 | 4.771 | 0.0 | 52.334 | 4.985 | 0.0 | 39.469 | 4.726 | 0.0 | 40.974 | 5.69 |
| 145 | 17819 | 17820 | NS | 1 | 0.0 | 41.566 | 3.198 | 1.177 | 45.019 | 4.579 | 0.0 | 41.362 | 3.641 | 0.0 | 38.237 | 5.025 | 0.0 | 42.231 | 3.188 | 0.29 | 46.407 | 4.427 | 0.0 | 41.367 | 3.584 | 0.0 | 36.473 | 4.54 |
| 146 | 17819 | 17820 | SN | 1 | 0.0 | 47.822 | 1.418 | 0.0 | 44.151 | 1.885 | 0.0 | 37.835 | 1.598 | 0.0 | 39.504 | 2.086 | 0.0 | 48.731 | 1.427 | 0.0 | 45.933 | 1.745 | 0.0 | 36.478 | 1.562 | 0.0 | 38.848 | 1.978 |
| 147 | 17819 | 17820 | SN | 1 | 0.0 | 47.822 | 1.418 | 0.0 | 42.908 | 1.889 | 0.0 | 37.748 | 1.585 | 0.0 | 39.504 | 2.084 | 0.0 | 48.731 | 1.425 | 0.0 | 44.624 | 1.745 | 0.0 | 36.206 | 1.547 | 0.0 | 37.745 | 1.98 |
| 148 | 17819 | 17820 | SN | 1 | 0.0 | 45.89 | 4.728 | 0.0 | 50.342 | 5.1 | 0.0 | 41.251 | 4.77 | 0.0 | 40.366 | 5.699 | 0.0 | 45.783 | 4.851 | 0.0 | 52.331 | 5.008 | 0.0 | 39.469 | 4.842 | 0.0 | 40.825 | 5.735 |
| 149 | 17819 | 17820 | SN | 1 | 0.0 | 45.865 | 4.718 | 0.0 | 50.341 | 5.131 | 0.0 | 41.251 | 4.735 | 0.0 | 40.514 | 5.721 | 0.0 | 45.76 | 4.831 | 0.0 | 52.334 | 5.049 | 0.0 | 39.469 | 4.785 | 0.0 | 40.974 | 5.764 |
| 150 | 17819 | 17820 | SN | 1 | 0.0 | 47.822 | 1.398 | 0.0 | 42.908 | 1.867 | 0.0 | 37.748 | 1.569 | 0.0 | 39.504 | 2.057 | 0.0 | 48.731 | 1.407 | 0.0 | 44.624 | 1.723 | 0.0 | 36.206 | 1.528 | 0.0 | 37.745 | 1.954 |
| 151 | 17819 | 17820 | NS | 1 | 0.0 | 41.405 | 0.863 | 0.0 | 54.68 | 1.469 | 0.0 | 36.483 | 1.091 | 0.0 | 42.631 | 1.654 | 0.0 | 42.142 | 0.911 | 0.0 | 55.109 | 1.368 | 0.0 | 35.944 | 1.063 | 0.0 | 39.856 | 1.457 |
| 152 | 17819 | 17820 | NS | 1 | 0.0 | 39.209 | 0.839 | 0.0 | 54.34 | 1.462 | 0.0 | 40.098 | 1.099 | 0.0 | 39.891 | 1.713 | 0.0 | 39.076 | 0.832 | 0.0 | 55.109 | 1.353 | 0.0 | 38.099 | 1.067 | 0.0 | 37.864 | 1.462 |
| 153 | 17820 | 17821 | NS | 1 | 0.0 | 47.648 | 3.005 | 1.501 | 46.699 | 3.867 | 0.0 | 46.203 | 4.239 | 0.0 | 47.607 | 5.16 | 0.0 | 48.305 | 2.985 | 0.68 | 46.229 | 3.612 | 0.0 | 47.812 | 4.21 | 0.0 | 45.38 | 4.939 |
| 154 | 17820 | 17821 | SN | 1 | 0.0 | 37.393 | 1.609 | 0.0 | 38.4 | 2.326 | 0.0 | 37.317 | 2.111 | 0.0 | 49.642 | 3.282 | 0.0 | 37.725 | 1.599 | 0.0 | 36.984 | 2.047 | 0.0 | 38.72 | 2.002 | 0.0 | 45.552 | 2.985 |
| 155 | 17820 | 17821 | NS | 1 | 0.0 | 42.864 | 1.155 | 0.0 | 45.689 | 1.582 | 0.0 | 40.301 | 1.308 | 0.0 | 45.708 | 1.726 | 0.0 | 43.032 | 1.11 | 0.0 | 43.891 | 1.464 | 0.0 | 40.028 | 1.287 | 0.0 | 42.307 | 1.569 |
| 156 | 17820 | 17821 | NS | 1 | 0.0 | 44.489 | 1.166 | 0.0 | 44.495 | 1.611 | 0.0 | 39.797 | 1.299 | 0.0 | 45.418 | 1.729 | 0.0 | 44.256 | 1.123 | 0.0 | 43.447 | 1.498 | 0.0 | 40.481 | 1.292 | 0.0 | 42.021 | 1.53 |
| 157 | 17820 | 17821 | SN | 1 | 0.0 | 36.652 | 1.56 | 0.0 | 38.4 | 2.275 | 0.0 | 38.896 | 2.064 | 0.0 | 49.642 | 3.23 | 0.0 | 35.732 | 1.55 | 0.0 | 36.984 | 2.011 | 0.0 | 40.309 | 1.944 | 0.0 | 45.552 | 2.917 |
| 158 | 17820 | 17821 | SN | 1 | 0.0 | 36.294 | 0.356 | 0.0 | 37.86 | 0.716 | 0.0 | 35.318 | 0.814 | 0.0 | 37.202 | 1.263 | 0.0 | 38.583 | 0.358 | 0.0 | 35.206 | 0.619 | 0.0 | 35.777 | 0.727 | 0.0 | 37.248 | 0.962 |
| 159 | 17820 | 17821 | SN | 1 | 0.0 | 37.393 | 1.55 | 0.0 | 38.4 | 2.285 | 0.0 | 38.038 | 2.086 | 0.0 | 49.642 | 3.216 | 0.0 | 37.725 | 1.539 | 0.0 | 36.984 | 2.011 | 0.0 | 39.448 | 1.979 | 0.0 | 45.552 | 2.931 |
| 160 | 17820 | 17821 | SN | 1 | 0.0 | 36.294 | 0.372 | 0.0 | 37.86 | 0.73 | 0.0 | 39.138 | 0.828 | 0.0 | 37.202 | 1.288 | 0.0 | 38.583 | 0.377 | 0.0 | 35.206 | 0.631 | 0.0 | 36.926 | 0.734 | 0.0 | 37.248 | 0.98 |
| 161 | 17820 | 17821 | SN | 1 | 0.0 | 36.294 | 0.363 | 0.0 | 37.86 | 0.723 | 0.0 | 35.318 | 0.812 | 0.0 | 37.202 | 1.265 | 0.0 | 38.583 | 0.363 | 0.0 | 35.206 | 0.621 | 0.0 | 35.777 | 0.715 | 0.0 | 37.248 | 0.983 |
| 162 | 17820 | 17821 | NS | 1 | 0.0 | 45.477 | 2.985 | 1.516 | 46.059 | 3.867 | 0.0 | 46.198 | 4.281 | 0.0 | 47.867 | 4.982 | 0.0 | 46.367 | 2.944 | 0.68 | 47.396 | 3.602 | 0.0 | 47.807 | 4.232 | 0.0 | 45.506 | 4.811 |
| 163 | 17821 | 17822 | NS | 1 | 0.0 | 48.8 | 0.644 | 0.0 | 46.76 | 0.75 | 0.0 | 46.085 | 0.591 | 0.0 | 38.743 | 0.727 | 0.0 | 48.446 | 0.653 | 0.0 | 46.129 | 0.723 | 0.0 | 43.413 | 0.559 | 0.0 | 35.434 | 0.603 |
| 164 | 17821 | 17822 | NS | 1 | 0.0 | 41.187 | 0.608 | 0.0 | 49.886 | 0.811 | 0.0 | 39.192 | 0.557 | 0.0 | 39.968 | 0.667 | 0.0 | 39.762 | 0.61 | 0.0 | 47.228 | 0.773 | 0.0 | 37.269 | 0.54 | 0.0 | 40.18 | 0.589 |
| 165 | 17821 | 17822 | SN | 1 | 0.0 | 42.116 | 1.274 | 0.0 | 39.764 | 1.622 | 0.0 | 40.432 | 1.473 | 0.0 | 42.525 | 2.179 | 0.0 | 41.337 | 1.303 | 0.0 | 38.544 | 1.579 | 0.0 | 38.699 | 1.447 | 0.0 | 37.295 | 1.978 |
| 166 | 17821 | 17822 | SN | 1 | 0.0 | 42.116 | 1.251 | 0.0 | 39.976 | 1.613 | 0.0 | 40.432 | 1.48 | 0.0 | 40.357 | 2.186 | 0.0 | 41.337 | 1.285 | 0.0 | 39.693 | 1.572 | 0.0 | 38.699 | 1.45 | 0.0 | 36.788 | 2.001 |
| 167 | 17821 | 17822 | NS | 1 | 0.0 | 44.093 | 2.63 | 0.886 | 57.078 | 3.328 | 0.0 | 43.082 | 2.468 | 0.0 | 42.184 | 2.715 | 0.0 | 44.683 | 2.721 | 0.922 | 58.308 | 3.094 | 0.0 | 45.508 | 2.397 | 0.0 | 39.903 | 2.388 |
| 168 | 17821 | 17822 | NS | 1 | 0.0 | 43.571 | 2.73 | 0.0 | 49.195 | 3.161 | 0.0 | 47.649 | 2.396 | 0.0 | 43.495 | 2.614 | 0.0 | 44.411 | 2.73 | 0.0 | 49.491 | 3.07 | 0.0 | 45.276 | 2.346 | 0.0 | 39.685 | 2.294 |
| 169 | 17821 | 17822 | SN | 1 | 0.0 | 42.914 | 4.84 | 0.0 | 40.165 | 5.798 | 0.0 | 42.366 | 4.753 | 0.0 | 37.866 | 6.062 | 0.0 | 43.835 | 4.913 | 0.0 | 38.576 | 5.527 | 0.0 | 39.766 | 4.899 | 0.0 | 39.092 | 5.923 |
| 170 | 17821 | 17822 | SN | 1 | 0.0 | 42.914 | 4.7 | 0.0 | 40.165 | 5.636 | 0.0 | 38.561 | 4.633 | 0.0 | 37.866 | 5.92 | 0.0 | 43.835 | 4.771 | 0.0 | 38.576 | 5.372 | 0.0 | 37.455 | 4.753 | 0.0 | 39.092 | 5.77 |
| 171 | 17821 | 17822 | SN | 1 | 0.0 | 42.914 | 4.679 | 0.0 | 40.165 | 5.677 | 0.0 | 39.218 | 4.612 | 0.0 | 37.931 | 5.905 | 0.0 | 43.835 | 4.76 | 0.0 | 38.568 | 5.393 | 0.0 | 37.455 | 4.768 | 0.0 | 39.319 | 5.727 |
| 172 | 17821 | 17822 | SN | 1 | 0.0 | 42.116 | 1.291 | 0.0 | 39.976 | 1.661 | 0.0 | 40.432 | 1.527 | 0.0 | 40.357 | 2.233 | 0.0 | 41.337 | 1.326 | 0.0 | 39.693 | 1.624 | 0.0 | 38.699 | 1.501 | 0.0 | 36.788 | 2.056 |
| 173 | 17822 | 17823 | SN | 1 | 0.0 | 51.888 | 0.818 | 0.0 | 44.001 | 1.146 | 0.0 | 34.661 | 0.956 | 0.0 | 37.843 | 1.393 | 0.0 | 52.493 | 0.793 | 0.0 | 44.173 | 1.082 | 0.0 | 36.222 | 0.887 | 0.0 | 36.661 | 1.161 |
| 174 | 17822 | 17823 | SN | 1 | 0.0 | 49.851 | 0.825 | 0.0 | 44.175 | 1.139 | 0.0 | 36.303 | 0.972 | 0.0 | 39.51 | 1.439 | 0.0 | 50.454 | 0.816 | 0.0 | 46.134 | 1.062 | 0.0 | 35.183 | 0.871 | 0.0 | 35.656 | 1.177 |
| 175 | 17822 | 17823 | SN | 1 | 0.0 | 56.81 | 3.725 | 0.0 | 45.24 | 4.161 | 0.0 | 41.945 | 3.247 | 0.0 | 43.358 | 4.48 | 0.0 | 55.489 | 3.609 | 0.0 | 46.927 | 3.885 | 0.0 | 43.398 | 3.144 | 0.0 | 41.202 | 4.108 |

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

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|-----|-------|-------|----|---|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 176 | 17822 | 17823 | NS | 1 | 0.0 | 49.626 | 1.309 | 0.0 | 41.707 | 1.475 | 0.0 | 41.427 | 1.252 | 0.0 | 41.33 | 1.57 | 0.0 | 49.108 | 1.289 | 0.0 | 42.073 | 1.306 | 0.0 | 43.451 | 1.174 | 0.0 | 42.479 | 1.245 |
| 177 | 17822 | 17823 | SN | 1 | 0.0 | 54.761 | 3.554 | 0.0 | 46.823 | 4.022 | 0.0 | 44.835 | 3.142 | 0.0 | 43.362 | 4.207 | 0.0 | 53.439 | 3.443 | 0.0 | 46.631 | 3.799 | 0.0 | 44.068 | 3.0 | 0.0 | 43.379 | 3.886 |
| 178 | 17822 | 17823 | SN | 1 | 0.0 | 51.888 | 0.853 | 0.0 | 44.001 | 1.193 | 0.0 | 34.661 | 0.994 | 0.0 | 37.843 | 1.436 | 0.0 | 52.493 | 0.827 | 0.0 | 44.173 | 1.126 | 0.0 | 36.222 | 0.923 | 0.0 | 36.661 | 1.202 |
| 179 | 17822 | 17823 | SN | 1 | 0.0 | 56.81 | 3.574 | 0.0 | 45.24 | 3.992 | 0.0 | 41.945 | 3.135 | 0.0 | 43.358 | 4.342 | 0.0 | 55.489 | 3.463 | 0.0 | 46.927 | 3.718 | 0.0 | 43.398 | 3.028 | 0.0 | 41.202 | 3.943 |
| 180 | 17822 | 17823 | NS | 1 | 0.0 | 51.657 | 1.245 | 0.0 | 42.009 | 1.469 | 0.0 | 40.709 | 1.232 | 0.0 | 45.169 | 1.519 | 0.0 | 50.616 | 1.204 | 0.0 | 43.867 | 1.333 | 0.0 | 38.638 | 1.123 | 0.0 | 40.677 | 1.265 |
| 181 | 17822 | 17823 | NS | 1 | 0.543 | 48.423 | 4.246 | 0.0 | 54.747 | 5.357 | 0.0 | 42.555 | 4.397 | 0.0 | 48.881 | 4.801 | 0.047 | 49.021 | 4.409 | 0.0 | 55.462 | 4.798 | 0.0 | 41.102 | 4.077 | 0.0 | 46.683 | 4.181 |
| 182 | 17822 | 17823 | NS | 1 | 0.0 | 47.703 | 4.397 | 0.0 | 49.769 | 5.236 | 0.0 | 40.753 | 4.41 | 0.0 | 45.169 | 5.045 | 0.0 | 48.152 | 4.387 | 0.0 | 50.711 | 4.616 | 0.0 | 39.423 | 4.317 | 0.0 | 46.683 | 4.318 |
| 183 | 17823 | 17824 | SN | 1 | 0.0 | 44.049 | 1.195 | 0.0 | 49.787 | 1.568 | 0.0 | 44.883 | 1.065 | 0.0 | 44.215 | 1.564 | 0.0 | 45.966 | 1.172 | 0.0 | 49.375 | 1.374 | 0.0 | 42.502 | 0.989 | 0.0 | 40.293 | 1.262 |
| 184 | 17823 | 17824 | NS | 1 | 0.0 | 48.662 | 1.772 | 0.0 | 46.792 | 2.149 | 0.0 | 39.425 | 1.615 | 0.0 | 44.322 | 2.303 | 0.0 | 49.236 | 1.83 | 0.0 | 45.786 | 2.113 | 0.0 | 38.628 | 1.567 | 0.0 | 46.521 | 2.115 |
| 185 | 17823 | 17824 | SN | 1 | 0.0 | 47.662 | 4.982 | 0.0 | 49.507 | 5.099 | 0.0 | 45.21 | 4.128 | 0.0 | 48.743 | 5.239 | 0.0 | 48.487 | 4.84 | 0.0 | 49.689 | 4.733 | 0.0 | 43.171 | 3.922 | 0.0 | 47.915 | 4.449 |
| 186 | 17823 | 17824 | SN | 1 | 0.0 | 47.464 | 4.962 | 0.0 | 51.885 | 5.038 | 0.0 | 45.635 | 4.17 | 0.0 | 51.042 | 5.153 | 0.0 | 48.105 | 4.83 | 0.0 | 52.058 | 4.764 | 0.0 | 42.756 | 3.908 | 0.0 | 49.812 | 4.37 |
| 187 | 17823 | 17824 | NS | 1 | 0.0 | 50.341 | 1.677 | 0.0 | 47.699 | 2.119 | 0.0 | 37.563 | 1.64 | 0.0 | 41.814 | 2.188 | 0.0 | 49.689 | 1.671 | 0.0 | 46.697 | 2.037 | 0.0 | 38.026 | 1.671 | 0.0 | 40.652 | 2.132 |
| 188 | 17823 | 17824 | SN | 1 | 0.0 | 47.662 | 5.13 | 0.0 | 49.507 | 5.235 | 0.0 | 45.21 | 4.247 | 0.0 | 48.743 | 5.369 | 0.0 | 48.487 | 4.984 | 0.0 | 49.689 | 4.88 | 0.0 | 43.984 | 4.035 | 0.0 | 47.915 | 4.57 |
| 189 | 17823 | 17824 | SN | 1 | 0.0 | 43.997 | 1.24 | 0.0 | 48.464 | 1.622 | 0.0 | 45.033 | 1.129 | 0.0 | 40.946 | 1.622 | 0.0 | 45.912 | 1.207 | 0.0 | 48.037 | 1.424 | 0.0 | 42.867 | 1.065 | 0.0 | 40.196 | 1.273 |
| 190 | 17823 | 17824 | SN | 1 | 0.0 | 43.997 | 1.217 | 0.0 | 48.464 | 1.577 | 0.0 | 45.033 | 1.096 | 0.0 | 40.946 | 1.572 | 0.0 | 45.912 | 1.181 | 0.0 | 48.037 | 1.376 | 0.0 | 42.867 | 1.037 | 0.0 | 40.196 | 1.239 |
| 191 | 17823 | 17824 | NS | 1 | 0.0 | 46.71 | 5.839 | 0.0 | 45.878 | 7.799 | 0.0 | 41.521 | 5.669 | 0.0 | 47.375 | 6.633 | 0.0 | 45.343 | 5.961 | 0.0 | 44.544 | 7.657 | 0.0 | 41.859 | 5.661 | 0.0 | 44.573 | 6.819 |
| 192 | 17823 | 17824 | NS | 1 | 0.0 | 48.246 | 5.912 | 0.0 | 45.878 | 7.584 | 0.0 | 41.067 | 5.378 | 0.0 | 45.771 | 6.867 | 0.0 | 50.079 | 5.942 | 0.0 | 46.606 | 7.451 | 0.0 | 40.832 | 5.528 | 0.0 | 44.573 | 6.924 |
| 193 | 17824 | 17825 | SN | 1 | 0.0 | 50.833 | 6.777 | 0.0 | 49.82 | 7.259 | 0.0 | 46.011 | 4.706 | 0.0 | 48.941 | 5.598 | 0.0 | 50.834 | 6.929 | 0.0 | 50.194 | 6.853 | 0.0 | 45.115 | 4.528 | 0.0 | 51.818 | 5.05 |
| 194 | 17824 | 17825 | NS | 1 | 0.0 | 35.493 | 0.746 | 0.0 | 43.205 | 1.069 | 0.0 | 37.736 | 0.852 | 0.0 | 45.844 | 1.191 | 0.0 | 35.151 | 0.739 | 0.0 | 44.398 | 1.037 | 0.0 | 37.322 | 0.825 | 0.0 | 43.623 | 1.148 |
| 195 | 17824 | 17825 | NS | 1 | 0.0 | 41.011 | 0.732 | 0.0 | 43.205 | 1.08 | 0.0 | 39.438 | 0.852 | 0.0 | 37.134 | 1.212 | 0.0 | 41.283 | 0.735 | 0.0 | 44.398 | 1.055 | 0.0 | 37.751 | 0.827 | 0.0 | 39.547 | 1.13 |
| 196 | 17824 | 17825 | NS | 1 | 0.0 | 46.605 | 2.559 | 0.0 | 50.89 | 4.19 | 0.0 | 39.575 | 2.568 | 0.0 | 38.994 | 3.719 | 0.0 | 47.063 | 2.65 | 0.0 | 49.571 | 4.2 | 0.0 | 41.364 | 2.831 | 0.0 | 42.086 | 3.463 |
| 197 | 17824 | 17825 | SN | 1 | 0.0 | 50.833 | 6.777 | 0.0 | 52.621 | 7.259 | 0.0 | 46.011 | 4.706 | 0.0 | 48.941 | 5.598 | 0.0 | 50.834 | 6.929 | 0.0 | 50.194 | 6.853 | 0.0 | 45.115 | 4.528 | 0.0 | 51.818 | 5.05 |
| 198 | 17824 | 17825 | NS | 1 | 0.0 | 48.585 | 2.589 | 0.0 | 50.89 | 4.22 | 0.0 | 40.443 | 2.646 | 0.0 | 40.213 | 3.734 | 0.0 | 49.042 | 2.68 | 0.0 | 49.571 | 4.22 | 0.0 | 42.222 | 2.809 | 0.0 | 42.157 | 3.463 |
| 199 | 17824 | 17825 | SN | 1 | 0.0 | 50.833 | 7.186 | 0.0 | 49.82 | 7.667 | 0.0 | 46.011 | 5.056 | 0.0 | 48.941 | 5.843 | 0.0 | 50.834 | 7.364 | 0.0 | 50.194 | 7.256 | 0.0 | 45.115 | 4.916 | 0.0 | 51.818 | 5.298 |
| 200 | 17824 | 17825 | SN | 1 | 0.0 | 44.351 | 1.696 | 0.0 | 46.721 | 1.953 | 0.0 | 44.136 | 1.151 | 0.0 | 45.018 | 1.515 | 0.0 | 45.338 | 1.712 | 0.0 | 46.482 | 1.8 | 0.0 | 41.769 | 1.077 | 0.0 | 42.67 | 1.247 |
| 201 | 17824 | 17825 | SN | 1 | 0.0 | 44.351 | 1.698 | 0.0 | 44.229 | 1.958 | 0.0 | 44.136 | 1.153 | 0.0 | 45.018 | 1.513 | 0.0 | 45.338 | 1.714 | 0.0 | 42.9 | 1.802 | 0.0 | 41.769 | 1.082 | 0.0 | 42.67 | 1.245 |
| 202 | 17824 | 17825 | SN | 1 | 0.0 | 44.351 | 1.835 | 0.0 | 44.229 | 2.108 | 0.0 | 44.136 | 1.236 | 0.0 | 45.018 | 1.574 | 0.0 | 45.338 | 1.849 | 0.0 | 42.9 | 1.927 | 0.0 | 41.769 | 1.164 | 0.0 | 42.67 | 1.303 |
| 203 | 17825 | 17826 | SN | 1 | 0.0 | 42.355 | 0.931 | 0.0 | 42.06 | 1.283 | 0.0 | 39.06 | 0.898 | 0.0 | 40.468 | 1.277 | 0.0 | 42.382 | 0.936 | 0.0 | 41.473 | 1.125 | 0.0 | 39.471 | 0.832 | 0.0 | 38.254 | 0.986 |
| 204 | 17825 | 17826 | NS | 1 | 0.0 | 48.695 | 2.355 | 0.0 | 48.194 | 3.021 | 0.0 | 43.121 | 2.659 | 0.0 | 45.899 | 4.019 | 0.0 | 49.529 | 2.446 | 0.0 | 44.251 | 2.96 | 0.0 | 41.761 | 2.595 | 0.0 | 45.485 | 3.67 |
| 205 | 17825 | 17826 | NS | 1 | 0.0 | 50.327 | 2.365 | 0.0 | 40.406 | 2.981 | 0.0 | 43.051 | 2.688 | 0.0 | 47.278 | 4.005 | 0.0 | 51.171 | 2.477 | 0.0 | 41.421 | 2.93 | 0.0 | 42.262 | 2.645 | 0.0 | 45.459 | 3.655 |
| 206 | 17825 | 17826 | SN | 1 | 0.0 | 50.715 | 3.12 | 0.0 | 51.792 | 4.082 | 0.0 | 41.876 | 3.235 | 0.0 | 42.863 | 3.991 | 0.0 | 50.116 | 3.109 | 0.0 | 49.736 | 3.707 | 0.0 | 41.068 | 3.214 | 0.0 | 39.782 | 3.401 |
| 207 | 17825 | 17826 | SN | 1 | 0.0 | 50.715 | 3.12 | 0.0 | 51.792 | 4.082 | 0.0 | 41.876 | 3.235 | 0.0 | 42.863 | 3.991 | 0.0 | 50.116 | 3.109 | 0.0 | 49.736 | 3.707 | 0.0 | 41.068 | 3.214 | 0.0 | 39.782 | 3.401 |
| 208 | 17825 | 17826 | NS | 1 | 0.0 | 38.502 | 0.655 | 0.0 | 48.942 | 0.926 | 0.0 | 38.681 | 0.694 | 0.0 | 42.47 | 1.288 | 0.0 | 38.29 | 0.651 | 0.0 | 49.441 | 0.85 | 0.0 | 41.183 | 0.683 | 0.0 | 41.84 | 1.166 |
| 209 | 17825 | 17826 | NS | 1 | 0.0 | 38.656 | 0.642 | 0.0 | 40.131 | 0.956 | 0.0 | 38.282 | 0.745 | 0.0 | 44.6 | 1.251 | 0.0 | 39.512 | 0.646 | 0.0 | 39.133 | 0.847 | 0.0 | 40.058 | 0.72 | 0.0 | 41.361 | 1.125 |
| 210 | 17825 | 17826 | SN | 1 | 0.0 | 42.355 | 0.931 | 0.0 | 42.06 | 1.283 | 0.0 | 39.06 | 0.898 | 0.0 | 40.468 | 1.277 | 0.0 | 42.382 | 0.936 | 0.0 | 41.473 | 1.125 | 0.0 | 39.471 | 0.832 | 0.0 | 38.254 | 0.986 |
| 211 | 17826 | 17827 | SN | 1 | 0.0 | 37.871 | 1.032 | 0.0 | 45.647 | 1.302 | 0.0 | 39.424 | 1.092 | 0.0 | 43.042 | 1.498 | 0.0 | 38.109 | 1.043 | 0.0 | 45.82 | 1.184 | 0.0 | 37.356 | 1.087 | 0.0 | 43.854 | 1.304 |

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

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|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 212 | 17826 | 17827 | SN | 1 | 0.0 | 38.59 | 1.184 | 0.0 | 43.098 | 1.3 | 0.0 | 45.109 | 1.11 | 0.0 | 40.261 | 1.344 | 0.0 | 38.955 | 1.142 | 0.0 | 41.374 | 1.224 | 0.0 | 41.401 | 1.114 | 0.0 | 41.261 | 1.243 |
| 213 | 17826 | 17827 | NS | 1 | 0.0 | 49.083 | 1.186 | 0.0 | 39.091 | 1.52 | 0.0 | 37.233 | 1.348 | 0.0 | 37.504 | 1.765 | 0.0 | 50.431 | 1.229 | 0.0 | 38.864 | 1.43 | 0.0 | 36.667 | 1.357 | 0.0 | 37.714 | 1.687 |
| 214 | 17826 | 17827 | NS | 1 | 0.0 | 49.083 | 1.188 | 0.0 | 39.018 | 1.511 | 0.0 | 37.796 | 1.353 | 0.0 | 37.504 | 1.766 | 0.0 | 50.431 | 1.235 | 0.0 | 38.916 | 1.428 | 0.0 | 36.667 | 1.353 | 0.0 | 37.714 | 1.69 |
| 215 | 17826 | 17827 | NS | 1 | 0.0 | 43.226 | 3.287 | 0.0 | 46.354 | 4.676 | 0.0 | 44.577 | 4.266 | 0.0 | 45.114 | 5.1 | 0.0 | 42.989 | 3.358 | 0.0 | 46.37 | 4.686 | 0.0 | 42.662 | 4.287 | 0.0 | 43.453 | 5.079 |
| 216 | 17826 | 17827 | NS | 1 | 0.0 | 43.226 | 3.297 | 0.0 | 46.407 | 4.666 | 0.0 | 45.386 | 4.287 | 0.0 | 42.9 | 5.051 | 0.0 | 42.971 | 3.358 | 0.0 | 46.425 | 4.676 | 0.0 | 43.471 | 4.28 | 0.0 | 42.228 | 5.058 |
| 217 | 17826 | 17827 | SN | 1 | 0.0 | 45.745 | 4.115 | 0.0 | 45.013 | 4.632 | 0.0 | 40.681 | 3.299 | 0.0 | 42.629 | 4.499 | 0.0 | 47.556 | 4.095 | 0.0 | 43.998 | 4.307 | 0.0 | 41.312 | 3.427 | 0.0 | 42.621 | 4.321 |
| 218 | 17826 | 17827 | SN | 1 | 0.0 | 46.009 | 4.465 | 0.0 | 44.577 | 4.631 | 0.0 | 47.694 | 3.324 | 0.0 | 42.951 | 3.639 | 0.0 | 48.021 | 4.612 | 0.0 | 43.561 | 4.319 | 0.0 | 45.581 | 3.324 | 0.0 | 43.037 | 3.571 |
| 219 | 17827 | 17828 | SN | 1 | 0.0 | 46.187 | 0.983 | 0.0 | 45.545 | 1.403 | 0.0 | 39.489 | 1.168 | 0.0 | 43.441 | 1.823 | 0.0 | 47.707 | 0.98 | 0.0 | 42.497 | 1.304 | 0.0 | 39.885 | 1.149 | 0.0 | 41.934 | 1.535 |
| 220 | 17827 | 17828 | NS | 1 | 0.0 | 39.424 | 3.308 | 0.0 | 47.603 | 3.67 | 0.0 | 41.043 | 3.64 | 0.0 | 40.039 | 4.894 | 0.0 | 39.953 | 3.287 | 0.0 | 45.231 | 3.517 | 0.0 | 39.298 | 3.505 | 0.0 | 41.981 | 4.424 |
| 221 | 17827 | 17828 | SN | 1 | 0.0 | 53.755 | 4.334 | 0.0 | 50.896 | 5.14 | 0.0 | 52.431 | 3.95 | 0.0 | 45.064 | 5.467 | 0.0 | 53.842 | 4.344 | 0.0 | 50.511 | 4.774 | 0.0 | 52.611 | 3.83 | 0.0 | 45.548 | 4.847 |
| 222 | 17827 | 17828 | NS | 1 | 0.0 | 40.85 | 0.931 | 0.0 | 48.031 | 1.254 | 0.0 | 37.592 | 1.181 | 0.0 | 38.242 | 1.708 | 0.0 | 43.197 | 0.937 | 0.0 | 50.76 | 1.091 | 0.0 | 39.293 | 1.119 | 0.0 | 38.347 | 1.481 |
| 223 | 17828 | 17829 | SN | 1 | 0.0 | 46.999 | 3.058 | 0.0 | 53.888 | 3.909 | 0.0 | 47.59 | 3.262 | 0.0 | 48.797 | 3.792 | 0.0 | 47.419 | 3.058 | 0.0 | 52.557 | 3.503 | 0.0 | 45.165 | 3.085 | 0.0 | 51.362 | 3.636 |
| 224 | 17828 | 17829 | SN | 1 | 0.0 | 50.148 | 3.048 | 0.0 | 52.589 | 3.879 | 0.0 | 48.022 | 3.213 | 0.0 | 47.027 | 3.814 | 0.0 | 49.705 | 3.088 | 0.0 | 55.205 | 3.472 | 0.0 | 45.547 | 3.05 | 0.0 | 49.639 | 3.614 |
| 225 | 17828 | 17829 | NS | 1 | 0.0 | 41.484 | 3.401 | 0.0 | 45.264 | 4.566 | 0.0 | 38.22 | 3.826 | 0.0 | 45.555 | 5.081 | 0.0 | 41.379 | 3.32 | 0.0 | 45.487 | 4.383 | 0.0 | 35.127 | 3.791 | 0.0 | 43.851 | 4.838 |
| 226 | 17828 | 17829 | SN | 1 | 0.0 | 46.905 | 0.764 | 0.0 | 52.629 | 1.046 | 0.0 | 46.15 | 0.839 | 0.0 | 47.858 | 1.155 | 0.0 | 47.979 | 0.791 | 0.0 | 50.446 | 0.915 | 0.0 | 46.314 | 0.853 | 0.0 | 44.424 | 1.032 |
| 227 | 17828 | 17829 | NS | 1 | 0.0 | 41.449 | 3.361 | 0.0 | 45.268 | 4.607 | 0.0 | 37.297 | 3.812 | 0.0 | 42.443 | 5.138 | 0.0 | 41.411 | 3.3 | 0.0 | 45.571 | 4.373 | 0.0 | 35.675 | 3.826 | 0.0 | 42.455 | 4.888 |
| 228 | 17828 | 17829 | NS | 1 | 0.0 | 44.045 | 1.004 | 0.0 | 42.87 | 1.444 | 0.0 | 37.963 | 1.239 | 0.0 | 40.586 | 1.833 | 0.0 | 43.989 | 0.999 | 0.0 | 43.349 | 1.378 | 0.0 | 37.64 | 1.186 | 0.0 | 37.729 | 1.581 |
| 229 | 17828 | 17829 | NS | 1 | 0.0 | 42.952 | 0.988 | 0.0 | 43.341 | 1.462 | 0.0 | 35.847 | 1.228 | 0.0 | 41.877 | 1.812 | 0.0 | 42.896 | 0.992 | 0.0 | 43.819 | 1.401 | 0.0 | 37.392 | 1.161 | 0.0 | 37.819 | 1.602 |
| 230 | 17828 | 17829 | NS | 1 | 0.0 | 42.952 | 0.999 | 0.0 | 43.341 | 1.475 | 0.0 | 35.847 | 1.272 | 0.0 | 40.586 | 1.846 | 0.0 | 42.896 | 0.983 | 0.0 | 43.819 | 1.395 | 0.0 | 34.87 | 1.211 | 0.0 | 37.729 | 1.644 |
| 231 | 17828 | 17829 | NS | 1 | 0.0 | 41.449 | 3.394 | 0.0 | 45.268 | 4.668 | 0.0 | 37.297 | 3.789 | 0.0 | 38.95 | 5.254 | 0.0 | 41.411 | 3.363 | 0.0 | 43.631 | 4.472 | 0.0 | 35.675 | 3.804 | 0.0 | 39.495 | 5.03 |
| 232 | 17828 | 17829 | SN | 1 | 0.0 | 47.954 | 0.742 | 0.0 | 52.748 | 1.053 | 0.0 | 46.19 | 0.842 | 0.0 | 45.886 | 1.144 | 0.0 | 49.029 | 0.773 | 0.0 | 51.897 | 0.926 | 0.0 | 46.354 | 0.816 | 0.0 | 42.793 | 1.015 |
| 233 | 17829 | 17830 | NS | 1 | 0.0 | 48.438 | 4.143 | 0.0 | 44.472 | 4.932 | 0.0 | 41.774 | 4.068 | 0.0 | 42.069 | 4.389 | 0.0 | 50.718 | 4.082 | 0.0 | 43.87 | 4.505 | 0.0 | 43.424 | 3.776 | 0.0 | 45.367 | 3.783 |
| 234 | 17829 | 17830 | SN | 1 | 0.0 | 45.805 | 1.248 | 0.0 | 49.348 | 1.807 | 0.0 | 45.787 | 1.465 | 0.0 | 43.874 | 1.797 | 0.0 | 47.904 | 1.228 | 0.0 | 45.914 | 1.719 | 0.0 | 43.916 | 1.451 | 0.0 | 41.518 | 1.618 |
| 235 | 17829 | 17830 | NS | 1 | 0.0 | 42.034 | 1.031 | 0.0 | 45.222 | 1.277 | 0.0 | 42.089 | 1.196 | 0.0 | 38.525 | 1.469 | 0.0 | 42.06 | 1.033 | 0.0 | 47.893 | 1.18 | 0.0 | 42.929 | 1.106 | 0.0 | 36.886 | 1.271 |
| 236 | 17829 | 17830 | SN | 1 | 0.0 | 55.709 | 3.998 | 0.0 | 48.506 | 4.904 | 0.0 | 45.643 | 4.446 | 0.0 | 44.206 | 5.541 | 0.0 | 55.34 | 3.927 | 0.0 | 47.996 | 4.924 | 0.0 | 47.81 | 4.631 | 0.0 | 44.325 | 5.427 |
| 237 | 17829 | 17830 | NS | 1 | 0.0 | 39.096 | 1.001 | 0.0 | 45.223 | 1.281 | 0.0 | 40.712 | 1.23 | 0.0 | 36.856 | 1.475 | 0.0 | 39.484 | 1.015 | 0.0 | 47.894 | 1.184 | 0.0 | 41.553 | 1.131 | 0.0 | 36.886 | 1.278 |
| 238 | 17829 | 17830 | SN | 1 | 0.0 | 55.709 | 3.998 | 0.0 | 48.506 | 4.904 | 0.0 | 45.643 | 4.446 | 0.0 | 44.206 | 5.541 | 0.0 | 55.34 | 3.927 | 0.0 | 47.996 | 4.924 | 0.0 | 47.81 | 4.631 | 0.0 | 44.325 | 5.427 |
| 239 | 17829 | 17830 | NS | 1 | 0.0 | 48.438 | 4.153 | 0.0 | 44.8 | 4.902 | 0.0 | 41.489 | 4.068 | 0.0 | 42.069 | 4.375 | 0.0 | 50.718 | 4.071 | 0.0 | 44.197 | 4.505 | 0.0 | 43.362 | 3.805 | 0.0 | 45.367 | 3.819 |
| 240 | 17829 | 17830 | SN | 1 | 0.0 | 45.805 | 1.248 | 0.0 | 49.348 | 1.807 | 0.0 | 45.787 | 1.465 | 0.0 | 43.874 | 1.797 | 0.0 | 47.904 | 1.228 | 0.0 | 45.914 | 1.719 | 0.0 | 43.916 | 1.451 | 0.0 | 41.518 | 1.618 |
| 241 | 17830 | 17831 | NS | 1 | 0.0 | 40.08 | 1.583 | 0.0 | 41.045 | 1.984 | 0.0 | 39.687 | 1.991 | 0.0 | 47.765 | 2.587 | 0.0 | 38.924 | 1.674 | 0.0 | 39.398 | 1.822 | 0.0 | 41.479 | 1.785 | 0.0 | 43.479 | 2.131 |
| 242 | 17830 | 17831 | SN | 1 | 0.0 | 43.816 | 4.454 | 0.0 | 44.499 | 5.198 | 0.0 | 40.606 | 4.779 | 0.0 | 41.829 | 5.932 | 0.0 | 43.324 | 4.484 | 0.0 | 44.464 | 5.178 | 0.0 | 38.576 | 5.021 | 0.0 | 40.913 | 6.195 |
| 243 | 17830 | 17831 | SN | 1 | 0.0 | 43.823 | 4.454 | 0.0 | 44.499 | 5.219 | 0.0 | 40.606 | 4.765 | 0.0 | 41.829 | 5.953 | 0.0 | 43.33 | 4.484 | 0.0 | 44.464 | 5.188 | 0.0 | 38.576 | 5.042 | 0.0 | 40.913 | 6.195 |
| 244 | 17830 | 17831 | NS | 1 | 0.0 | 38.811 | 1.709 | 0.0 | 42.219 | 2.189 | 0.0 | 37.391 | 1.943 | 0.0 | 49.523 | 2.851 | 0.0 | 37.656 | 1.809 | 0.0 | 41.314 | 2.022 | 0.0 | 36.942 | 1.77 | 0.0 | 45.246 | 2.326 |
| 245 | 17830 | 17831 | NS | 1 | 0.0 | 44.032 | 0.373 | 0.0 | 36.464 | 0.595 | 0.0 | 41.132 | 0.617 | 0.0 | 39.49 | 0.932 | 0.0 | 44.906 | 0.366 | 0.0 | 36.67 | 0.493 | 0.0 | 39.065 | 0.557 | 0.0 | 36.994 | 0.666 |
| 246 | 17830 | 17831 | SN | 1 | 0.0 | 41.74 | 1.406 | 0.0 | 40.613 | 1.818 | 0.0 | 35.256 | 1.587 | 0.0 | 40.889 | 2.148 | 0.0 | 41.316 | 1.422 | 0.0 | 39.306 | 1.85 | 0.0 | 33.802 | 1.628 | 0.0 | 39.392 | 2.219 |
| 247 | 17830 | 17831 | SN | 1 | 0.0 | 41.74 | 1.399 | 0.0 | 40.613 | 1.818 | 0.0 | 38.263 | 1.59 | 0.0 | 41.311 | 2.15 | 0.0 | 41.316 | 1.415 | 0.0 | 39.114 | 1.854 | 0.0 | 34.683 | 1.624 | 0.0 | 37.793 | 2.214 |

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

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|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 248 | 17830 | 17831 | NS | 1 | 0.0 | 37.031 | 1.532 | 0.0 | 42.219 | 1.995 | 0.0 | 41.682 | 1.941 | 0.0 | 49.523 | 2.559 | 0.0 | 35.742 | 1.634 | 0.0 | 41.314 | 1.842 | 0.0 | 44.118 | 1.756 | 0.0 | 45.246 | 2.089 |
| 249 | 17830 | 17831 | NS | 1 | 0.0 | 44.032 | 0.42 | 0.0 | 36.464 | 0.642 | 0.0 | 38.966 | 0.643 | 0.0 | 39.49 | 1.04 | 0.0 | 44.906 | 0.408 | 0.0 | 36.67 | 0.542 | 0.0 | 35.345 | 0.585 | 0.0 | 36.994 | 0.729 |
| 250 | 17830 | 17831 | NS | 1 | 0.0 | 37.816 | 0.384 | 0.0 | 39.798 | 0.574 | 0.0 | 38.966 | 0.614 | 0.0 | 40.491 | 0.946 | 0.0 | 38.691 | 0.368 | 0.0 | 39.555 | 0.491 | 0.0 | 38.633 | 0.552 | 0.0 | 37.002 | 0.696 |
| 251 | 17831 | 17832 | NS | 1 | 0.0 | 51.54 | 2.842 | 0.0 | 53.231 | 3.612 | 0.0 | 45.899 | 2.93 | 0.0 | 45.089 | 3.728 | 0.0 | 51.702 | 2.873 | 0.0 | 53.371 | 3.338 | 0.0 | 45.853 | 2.795 | 0.0 | 46.147 | 3.044 |
| 252 | 17831 | 17832 | SN | 1 | 0.0 | 54.98 | 1.215 | 0.0 | 47.62 | 1.869 | 0.0 | 36.025 | 1.504 | 0.0 | 48.392 | 2.462 | 0.0 | 55.124 | 1.215 | 0.0 | 49.223 | 1.726 | 0.0 | 35.928 | 1.518 | 0.0 | 46.281 | 2.341 |
| 253 | 17831 | 17832 | SN | 1 | 0.0 | 54.98 | 1.298 | 0.0 | 47.62 | 1.99 | 0.0 | 36.025 | 1.552 | 0.0 | 48.392 | 2.591 | 0.0 | 55.124 | 1.298 | 0.0 | 49.223 | 1.848 | 0.0 | 35.928 | 1.56 | 0.0 | 46.281 | 2.499 |
| 254 | 17831 | 17832 | NS | 1 | 0.0 | 51.54 | 3.08 | 0.0 | 53.231 | 3.951 | 0.0 | 45.899 | 3.156 | 0.0 | 45.089 | 4.15 | 0.0 | 51.702 | 3.103 | 0.0 | 53.371 | 3.654 | 0.0 | 45.853 | 3.064 | 0.0 | 46.147 | 3.356 |
| 255 | 17831 | 17832 | NS | 1 | 0.0 | 47.544 | 0.956 | 0.0 | 44.012 | 1.161 | 0.0 | 41.327 | 0.989 | 0.0 | 40.999 | 1.284 | 0.0 | 49.121 | 0.969 | 0.0 | 45.105 | 1.017 | 0.0 | 40.579 | 0.875 | 0.0 | 38.165 | 1.002 |
| 256 | 17831 | 17832 | NS | 1 | 0.0 | 47.544 | 0.852 | 0.0 | 44.012 | 1.029 | 0.0 | 41.327 | 0.903 | 0.0 | 40.999 | 1.145 | 0.0 | 49.121 | 0.865 | 0.0 | 45.105 | 0.891 | 0.0 | 40.579 | 0.798 | 0.0 | 38.165 | 0.895 |
| 257 | 17831 | 17832 | SN | 1 | 0.0 | 35.021 | 0.469 | 0.0 | 47.886 | 0.744 | 0.0 | 36.893 | 0.548 | 0.0 | 36.074 | 0.923 | 0.0 | 34.562 | 0.476 | 0.0 | 49.043 | 0.715 | 0.0 | 36.384 | 0.555 | 0.0 | 36.656 | 0.77 |
| 258 | 17831 | 17832 | NS | 1 | 0.0 | 52.264 | 2.812 | 0.0 | 53.232 | 3.602 | 0.0 | 49.708 | 2.958 | 0.0 | 44.442 | 3.707 | 0.0 | 52.456 | 2.852 | 0.0 | 53.375 | 3.378 | 0.0 | 49.673 | 2.802 | 0.0 | 46.1 | 3.058 |
| 259 | 17831 | 17832 | SN | 1 | 0.0 | 35.021 | 0.44 | 0.0 | 47.49 | 0.7 | 0.0 | 41.565 | 0.519 | 0.0 | 36.074 | 0.868 | 0.0 | 34.562 | 0.442 | 0.0 | 47.746 | 0.669 | 0.0 | 44.671 | 0.521 | 0.0 | 36.623 | 0.72 |
| 260 | 17831 | 17832 | SN | 1 | 0.0 | 54.98 | 1.195 | 0.0 | 47.62 | 1.858 | 0.0 | 36.025 | 1.476 | 0.0 | 48.393 | 2.441 | 0.0 | 55.124 | 1.215 | 0.0 | 49.223 | 1.757 | 0.0 | 35.928 | 1.476 | 0.0 | 46.283 | 2.334 |
| 261 | 17831 | 17832 | NS | 1 | 0.0 | 51.357 | 0.872 | 0.0 | 43.958 | 1.029 | 0.0 | 41.811 | 0.91 | 0.0 | 40.561 | 1.143 | 0.0 | 52.936 | 0.892 | 0.0 | 46.032 | 0.879 | 0.0 | 41.031 | 0.804 | 0.0 | 39.13 | 0.923 |
| 262 | 17831 | 17832 | SN | 1 | 0.0 | 35.021 | 0.435 | 0.0 | 47.886 | 0.696 | 0.0 | 36.893 | 0.519 | 0.0 | 36.074 | 0.864 | 0.0 | 34.562 | 0.442 | 0.0 | 49.043 | 0.662 | 0.0 | 36.384 | 0.526 | 0.0 | 36.656 | 0.717 |

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|--------------------------|------------|------|--------|--------|------------|
| 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 | 17803 | 17804 | NS | 1 | 0.0 | 161.614 | 10.298 | 0.0 | 29.897 | 14.367 | 0.0 | 135.876 | 9.774 | 0.0 | 58.939 | 12.746 | 0.0 | 1.409 | 0.0 | 1.775 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.131 | 0.0 | |
| 2 | 17803 | 17804 | SN | 1 | 0.0 | 28.171 | 13.662 | 0.0 | 27.327 | 13.295 | 0.0 | 139.37 | 11.38 | 0.0 | 69.737 | 13.864 | 0.0 | 1.432 | 0.0 | 1.78 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.138 | 0.0 | |
| 3 | 17803 | 17804 | NS | 1 | 0.0 | 161.614 | 10.298 | 0.0 | 29.897 | 14.367 | 0.0 | 135.876 | 9.774 | 0.0 | 58.939 | 12.746 | 0.0 | 1.409 | 0.0 | 1.775 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.131 | 0.0 | |
| 4 | 17803 | 17804 | SN | 1 | 0.0 | 22.137 | 6.193 | 0.0 | 24.244 | 7.561 | 0.0 | 133.105 | 2.724 | 0.0 | 13.01 | 3.674 | 0.0 | 1.419 | 0.0 | 1.782 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.138 | 0.0 | |
| 5 | 17803 | 17804 | NS | 1 | 0.0 | 235.328 | 6.097 | 0.0 | 24.591 | 6.929 | 0.0 | 142.345 | 2.131 | 0.0 | 66.494 | 3.072 | 0.0 | 1.425 | 0.0 | 1.773 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.13 | 0.0 | |
| 6 | 17803 | 17804 | SN | 1 | 0.0 | 28.171 | 13.711 | 0.0 | 27.327 | 12.973 | 0.0 | 139.37 | 11.529 | 0.0 | 17.179 | 13.419 | 0.0 | 1.432 | 0.0 | 1.78 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.138 | 0.0 | |
| 7 | 17803 | 17804 | SN | 1 | 0.0 | 28.171 | 13.662 | 0.0 | 27.327 | 13.295 | 0.0 | 139.37 | 11.38 | 0.0 | 69.748 | 13.864 | 0.0 | 1.432 | 0.0 | 1.78 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.138 | 0.0 | |
| 8 | 17803 | 17804 | SN | 1 | 0.0 | 22.137 | 6.166 | 0.0 | 24.244 | 7.579 | 0.0 | 133.105 | 2.691 | 0.0 | 67.719 | 3.797 | 0.0 | 1.419 | 0.0 | 1.782 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.138 | 0.0 | |
| 9 | 17803 | 17804 | SN | 1 | 0.0 | 22.137 | 6.166 | 0.0 | 24.244 | 7.579 | 0.0 | 133.105 | 2.691 | 0.0 | 67.708 | 3.797 | 0.0 | 1.419 | 0.0 | 1.782 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.138 | 0.0 | |
| 10 | 17803 | 17804 | NS | 1 | 0.0 | 235.328 | 6.097 | 0.0 | 24.591 | 6.929 | 0.0 | 142.345 | 2.131 | 0.0 | 66.494 | 3.072 | 0.0 | 1.425 | 0.0 | 1.773 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.13 | 0.0 | |
| 11 | 17804 | 17805 | NS | 1 | 0.0 | 58.556 | 10.224 | 0.0 | 29.946 | 14.385 | 0.0 | 352.483 | 9.787 | 0.0 | 37.855 | 12.749 | 0.0 | 1.411 | 0.0 | 1.775 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.129 | 0.0 | |
| 12 | 17804 | 17805 | SN | 1 | 0.0 | 28.706 | 13.701 | 0.0 | 27.349 | 13.072 | 0.0 | 156.119 | 11.364 | 0.0 | 20.328 | 13.556 | 0.0 | 1.431 | 0.0 | 1.784 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.137 | 0.0 | |
| 13 | 17804 | 17805 | SN | 1 | 0.0 | 28.706 | 13.701 | 0.0 | 27.349 | 13.072 | 0.0 | 156.119 | 11.364 | 0.0 | 20.328 | 13.556 | 0.0 | 1.431 | 0.0 | 1.784 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.137 | 0.0 | |
| 14 | 17804 | 17805 | SN | 1 | 0.0 | 22.115 | 6.18 | 0.0 | 24.244 | 7.607 | 0.0 | 153.405 | 2.736 | 0.0 | 51.096 | 3.823 | 0.0 | 1.42 | 0.0 | 1.783 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.138 | 0.0 | |
| 15 | 17804 | 17805 | NS | 1 | 0.0 | 57.309 | 6.089 | 0.0 | 24.586 | 6.925 | 0.0 | 305.413 | 2.123 | 0.0 | 45.212 | 3.067 | 0.0 | 1.424 | 0.0 | 1.773 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.128 | 0.0 | |
| 16 | 17804 | 17805 | NS | 1 | 0.0 | 58.55 | 10.224 | 0.0 | 29.946 | 14.386 | 0.0 | 352.483 | 9.78 | 0.0 | 37.86 | 12.735 | 0.0 | 1.41 | 0.0 | 1.775 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.129 | 0.0 | |
| 17 | 17804 | 17805 | SN | 1 | 0.0 | 22.115 | 6.193 | 0.0 | 24.244 | 7.588 | 0.0 | 153.405 | 2.753 | 0.0 | 14.107 | 3.727 | 0.0 | 1.42 | 0.0 | 1.783 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.138 | 0.0 | |
| 18 | 17804 | 17805 | NS | 1 | 0.0 | 57.315 | 6.093 | 0.0 | 24.586 | 6.929 | 0.0 | 305.385 | 2.125 | 0.0 | 45.206 | 3.067 | 0.0 | 1.424 | 0.0 | 1.773 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.128 | 0.0 | |
| 19 | 17804 | 17805 | SN | 1 | 0.0 | 22.115 | 6.193 | 0.0 | 24.244 | 7.589 | 0.0 | 153.405 | 2.753 | 0.0 | 15.188 | 3.734 | 0.0 | 1.42 | 0.0 | 1.783 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.138 | 0.0 | |
| 20 | 17804 | 17805 | SN | 1 | 0.0 | 28.706 | 13.671 | 0.0 | 27.349 | 13.231 | 0.0 | 156.119 | 11.292 | 0.0 | 68.684 | 13.816 | 0.0 | 1.431 | 0.0 | 1.784 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.137 | 0.0 | |
| 21 | 17805 | 17806 | NS | 1 | 0.0 | 159.612 | 6.093 | 0.0 | 24.58 | 6.916 | 0.0 | 343.146 | 2.1 | 0.0 | 35.257 | 3.038 | 0.0 | 1.424 | 0.0 | 1.772 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.128 | 0.0 | |
| 22 | 17805 | 17806 | SN | 1 | 0.0 | 22.11 | 6.218 | 0.0 | 24.233 | 7.582 | 0.0 | 147.879 | 2.812 | 0.0 | 244.913 | 3.83 | 0.0 | 1.42 | 0.0 | 1.783 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.139 | 0.0 | |
| 23 | 17805 | 17806 | NS | 1 | 0.0 | 159.612 | 6.093 | 0.0 | 24.58 | 6.916 | 0.0 | 343.146 | 2.1 | 0.0 | 35.257 | 3.038 | 0.0 | 1.424 | 0.0 | 1.772 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.128 | 0.0 | |
| 24 | 17805 | 17806 | SN | 1 | 0.0 | 28.744 | 13.689 | 0.0 | 27.294 | 13.065 | 0.0 | 155.881 | 11.412 | 0.0 | 173.466 | 13.49 | 0.0 | 1.433 | 0.0 | 1.782 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.137 | 0.0 | |
| 25 | 17805 | 17806 | NS | 1 | 0.0 | 41.685 | 10.224 | 0.0 | 29.985 | 14.332 | 0.0 | 163.385 | 9.772 | 0.0 | 34.64 | 12.678 | 0.0 | 1.408 | 0.0 | 1.774 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.128 | 0.0 | |
| 26 | 17805 | 17806 | NS | 1 | 0.0 | 41.685 | 10.224 | 0.0 | 29.985 | 14.332 | 0.0 | 163.385 | 9.772 | 0.0 | 34.64 | 12.678 | 0.0 | 1.408 | 0.0 | 1.774 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.128 | 0.0 | |
| 27 | 17805 | 17806 | SN | 1 | 0.0 | 22.11 | 6.199 | 0.0 | 24.233 | 7.596 | 0.0 | 147.879 | 2.79 | 0.0 | 244.913 | 3.938 | 0.0 | 1.42 | 0.0 | 1.783 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.139 | 0.0 | |
| 28 | 17805 | 17806 | SN | 1 | 0.0 | 22.11 | 6.199 | 0.0 | 24.233 | 7.596 | 0.0 | 147.879 | 2.79 | 0.0 | 244.913 | 3.938 | 0.0 | 1.42 | 0.0 | 1.783 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.139 | 0.0 | |
| 29 | 17805 | 17806 | SN | 1 | 0.0 | 28.744 | 13.653 | 0.0 | 27.288 | 13.272 | 0.0 | 155.881 | 11.331 | 0.0 | 173.466 | 13.802 | 0.0 | 1.433 | 0.0 | 1.782 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.137 | 0.0 | |
| 30 | 17805 | 17806 | SN | 1 | 0.0 | 28.744 | 13.653 | 0.0 | 27.288 | 13.272 | 0.0 | 155.881 | 11.331 | 0.0 | 173.466 | 13.802 | 0.0 | 1.433 | 0.0 | 1.782 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.137 | 0.0 | |
| 31 | 17806 | 17807 | SN | 1 | 0.0 | 28.832 | 13.639 | 0.667 | 236.139 | 13.164 | 0.0 | 159.031 | 11.307 | 0.0 | 65.656 | 13.785 | 0.0 | 1.432 | 0.0 | 0.001 | 1.785 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.139 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|-----|---------|--------|-------|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-------|-------|-----|-----|-------|-----|-----|-------|-----|
| 32 | 17806 | 17807 | SN | 1 | 0.0 | 28.832 | 13.682 | 0.667 | 236.139 | 12.942 | 0.0 | 159.031 | 11.444 | 0.0 | 58.964 | 13.345 | 0.0 | 1.432 | 0.0 | 0.001 | 1.785 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.139 | 0.0 |
| 33 | 17806 | 17807 | NS | 1 | 0.0 | 25.463 | 10.196 | 0.0 | 29.875 | 14.332 | 0.0 | 356.862 | 9.782 | 0.0 | 36.211 | 12.596 | 0.0 | 1.41 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.128 | 0.0 |
| 34 | 17806 | 17807 | SN | 1 | 0.0 | 22.11 | 6.239 | 0.0 | 24.255 | 7.535 | 0.0 | 153.615 | 2.848 | 0.0 | 14.19 | 3.794 | 0.0 | 1.42 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.139 | 0.0 |
| 35 | 17806 | 17807 | NS | 1 | 0.0 | 96.074 | 6.077 | 0.0 | 24.586 | 6.923 | 0.0 | 343.951 | 2.11 | 0.0 | 23.919 | 3.008 | 0.0 | 1.424 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.129 | 0.0 |
| 36 | 17806 | 17807 | SN | 1 | 0.0 | 22.11 | 6.203 | 0.0 | 24.255 | 7.542 | 0.0 | 153.615 | 2.814 | 0.0 | 73.217 | 3.916 | 0.0 | 1.42 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.139 | 0.0 |
| 37 | 17806 | 17807 | NS | 1 | 0.0 | 25.463 | 10.196 | 0.0 | 29.875 | 14.342 | 0.0 | 356.862 | 9.796 | 0.0 | 36.206 | 12.582 | 0.0 | 1.41 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.128 | 0.0 |
| 38 | 17806 | 17807 | NS | 1 | 0.0 | 25.408 | 6.073 | 0.0 | 24.586 | 6.912 | 0.0 | 343.968 | 2.118 | 0.0 | 23.924 | 3.01 | 0.0 | 1.425 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.129 | 0.0 |
| 39 | 17806 | 17807 | SN | 1 | 0.0 | 22.11 | 6.203 | 0.0 | 24.255 | 7.542 | 0.0 | 153.615 | 2.812 | 0.0 | 73.217 | 3.916 | 0.0 | 1.42 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.139 | 0.0 |
| 40 | 17806 | 17807 | SN | 1 | 0.0 | 28.832 | 13.639 | 0.667 | 236.139 | 13.164 | 0.0 | 159.031 | 11.314 | 0.0 | 65.656 | 13.785 | 0.0 | 1.432 | 0.0 | 0.001 | 1.785 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.139 | 0.0 |
| 41 | 17807 | 17808 | NS | 1 | 0.0 | 192.736 | 10.186 | 0.0 | 29.869 | 14.293 | 0.0 | 355.207 | 9.761 | 0.0 | 45.372 | 12.561 | 0.0 | 1.41 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.128 | 0.0 |
| 42 | 17807 | 17808 | SN | 1 | 0.0 | 29.34 | 13.68 | 0.667 | 27.343 | 13.195 | 0.0 | 143.93 | 11.336 | 0.0 | 169.17 | 13.735 | 0.0 | 1.432 | 0.0 | 0.001 | 1.788 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.141 | 0.0 |
| 43 | 17807 | 17808 | SN | 1 | 0.0 | 29.34 | 13.68 | 0.667 | 27.343 | 13.195 | 0.0 | 143.93 | 11.336 | 0.0 | 169.17 | 13.742 | 0.0 | 1.432 | 0.0 | 0.001 | 1.788 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.141 | 0.0 |
| 44 | 17807 | 17808 | SN | 1 | 0.0 | 22.104 | 6.205 | 0.0 | 130.926 | 7.569 | 0.0 | 133.617 | 2.819 | 0.0 | 236.668 | 3.888 | 0.0 | 1.42 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.139 | 0.0 |
| 45 | 17807 | 17808 | NS | 1 | 0.0 | 106.437 | 10.273 | 0.0 | 29.858 | 14.296 | 0.0 | 177.525 | 9.721 | 0.0 | 35.599 | 12.633 | 0.0 | 1.409 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.129 | 0.0 |
| 46 | 17807 | 17808 | NS | 1 | 0.0 | 240.915 | 6.066 | 0.0 | 24.586 | 6.936 | 0.0 | 128.177 | 2.106 | 0.0 | 63.02 | 3.028 | 0.0 | 1.424 | 0.0 | 0.0 | 1.772 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.128 | 0.0 |
| 47 | 17807 | 17808 | NS | 1 | 0.0 | 266.984 | 6.068 | 0.0 | 24.58 | 6.935 | 0.0 | 141.589 | 2.105 | 0.0 | 44.33 | 3.028 | 0.0 | 1.424 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.129 | 0.0 |
| 48 | 17807 | 17808 | SN | 1 | 0.0 | 22.104 | 6.205 | 0.0 | 130.926 | 7.569 | 0.0 | 133.617 | 2.819 | 0.0 | 236.668 | 3.884 | 0.0 | 1.42 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.139 | 0.0 |
| 49 | 17808 | 17809 | SN | 1 | 0.0 | 28.115 | 13.642 | 0.0 | 27.343 | 13.327 | 0.0 | 171.533 | 11.331 | 0.0 | 70.063 | 13.707 | 0.0 | 1.433 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.137 | 0.0 |
| 50 | 17808 | 17809 | NS | 1 | 0.0 | 25.446 | 6.077 | 0.0 | 24.586 | 6.927 | 0.0 | 136.609 | 2.113 | 0.0 | 51.499 | 3.049 | 0.0 | 1.423 | 0.0 | 0.0 | 1.772 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.127 | 0.0 |
| 51 | 17808 | 17809 | SN | 1 | 0.0 | 28.115 | 13.727 | 0.0 | 27.261 | 12.748 | 0.0 | 171.533 | 11.648 | 0.0 | 14.598 | 12.914 | 0.0 | 1.433 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.137 | 0.0 |
| 52 | 17808 | 17809 | SN | 1 | 0.0 | 22.143 | 6.217 | 0.0 | 24.216 | 7.527 | 0.0 | 144.228 | 2.799 | 0.0 | 63.759 | 3.865 | 0.0 | 1.421 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.139 | 0.0 |
| 53 | 17808 | 17809 | NS | 1 | 0.0 | 205.85 | 10.318 | 0.0 | 29.864 | 14.337 | 0.0 | 170.466 | 9.782 | 0.0 | 36.581 | 12.704 | 0.0 | 1.409 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.129 | 0.0 |
| 54 | 17808 | 17809 | NS | 1 | 0.0 | 97.172 | 6.086 | 0.0 | 24.586 | 6.939 | 0.0 | 218.077 | 2.113 | 0.0 | 56.738 | 3.055 | 0.0 | 1.422 | 0.0 | 0.0 | 1.772 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.127 | 0.0 |
| 55 | 17808 | 17809 | SN | 1 | 0.0 | 22.143 | 6.3 | 0.0 | 24.216 | 7.507 | 0.0 | 144.228 | 2.878 | 0.0 | 58.671 | 3.721 | 0.0 | 1.421 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.139 | 0.0 |
| 56 | 17808 | 17809 | SN | 1 | 0.0 | 22.143 | 6.217 | 0.0 | 24.216 | 7.527 | 0.0 | 144.228 | 2.799 | 0.0 | 63.737 | 3.865 | 0.0 | 1.421 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.139 | 0.0 |
| 57 | 17808 | 17809 | NS | 1 | 0.0 | 205.856 | 10.318 | 0.0 | 29.869 | 14.347 | 0.0 | 136.532 | 9.789 | 0.0 | 36.592 | 12.661 | 0.0 | 1.409 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.129 | 0.0 |
| 58 | 17808 | 17809 | SN | 1 | 0.0 | 28.115 | 13.642 | 0.0 | 27.338 | 13.317 | 0.0 | 171.533 | 11.331 | 0.0 | 65.11 | 13.707 | 0.0 | 1.433 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.137 | 0.0 |
| 59 | 17809 | 17810 | NS | 1 | 0.0 | 158.429 | 6.109 | 0.0 | 24.586 | 6.941 | 0.0 | 304.453 | 2.109 | 0.0 | 58.426 | 3.072 | 0.0 | 1.423 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.13 | 0.0 |
| 60 | 17809 | 17810 | NS | 1 | 0.0 | 211.465 | 10.265 | 0.0 | 34.149 | 14.396 | 0.0 | 351.093 | 9.801 | 0.0 | 37.75 | 12.715 | 0.0 | 1.409 | 0.0 | 0.0 | 1.776 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.128 | 0.0 |
| 61 | 17809 | 17810 | SN | 1 | 0.0 | 22.121 | 6.209 | 0.0 | 24.233 | 7.58 | 0.0 | 152.313 | 2.738 | 0.0 | 254.095 | 3.839 | 0.0 | 1.419 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.137 | 0.0 |
| 62 | 17809 | 17810 | SN | 1 | 0.0 | 28.739 | 13.752 | 0.0 | 25.705 | 12.682 | 0.0 | 153.83 | 11.761 | 0.0 | 14.598 | 12.797 | 0.0 | 1.432 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.826 | 0.0 | 0.0 | 2.137 | 0.0 |
| 63 | 17809 | 17810 | NS | 1 | 0.0 | 25.419 | 6.1 | 0.0 | 24.591 | 6.934 | 0.0 | 304.403 | 2.114 | 0.0 | 58.393 | 3.06 | 0.0 | 1.422 | 0.0 | 0.0 | 1.772 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.129 | 0.0 |
| 64 | 17809 | 17810 | SN | 1 | 0.0 | 22.121 | 6.345 | 0.0 | 24.238 | 7.571 | 0.0 | 152.379 | 2.864 | 0.0 | 12.993 | 3.699 | 0.0 | 1.42 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.137 | 0.0 |
| 65 | 17809 | 17810 | SN | 1 | 0.0 | 28.739 | 13.59 | 0.0 | 27.283 | 13.363 | 0.0 | 153.813 | 11.405 | 0.0 | 144.601 | 13.782 | 0.0 | 1.431 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.826 | 0.0 | 0.0 | 2.137 | 0.0 |
| 66 | 17809 | 17810 | SN | 1 | 0.0 | 28.739 | 13.58 | 0.0 | 27.288 | 13.383 | 0.0 | 153.83 | 11.363 | 0.0 | 144.617 | 13.76 | 0.0 | 1.432 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.826 | 0.0 | 0.0 | 2.137 | 0.0 |
| 67 | 17809 | 17810 | SN | 1 | 0.0 | 22.121 | 6.212 | 0.0 | 24.238 | 7.582 | 0.0 | 152.379 | 2.74 | 0.0 | 254.101 | 3.84 | 0.0 | 1.42 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.137 | 0.0 |
| 68 | 17809 | 17810 | NS | 1 | 0.0 | 270.734 | 10.275 | 0.0 | 34.165 | 14.386 | 0.0 | 351.082 | 9.807 | 0.0 | 37.745 | 12.715 | 0.0 | 1.408 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.128 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-------|---------|--------|-------|--------|--------|-----|---------|--------|-----|---------|--------|-------|-------|-----|-------|-------|-----|-----|-------|-----|-----|-------|-----|
| 69 | 17810 | 17811 | NS | 1 | 0.0 | 121.658 | 6.109 | 0.0 | 24.591 | 6.914 | 0.0 | 342.617 | 2.125 | 0.0 | 61.387 | 3.076 | 0.0 | 1.422 | 0.0 | 0.0 | 1.772 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.129 | 0.0 |
| 70 | 17810 | 17811 | NS | 1 | 0.0 | 71.174 | 10.214 | 0.0 | 34.32 | 14.396 | 0.0 | 217.338 | 9.815 | 0.0 | 38.445 | 12.742 | 0.0 | 1.407 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.129 | 0.0 |
| 71 | 17810 | 17811 | NS | 1 | 0.0 | 157.395 | 10.214 | 0.0 | 34.055 | 14.406 | 0.0 | 254.013 | 9.821 | 0.0 | 38.44 | 12.722 | 0.0 | 1.407 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.825 | 0.0 | 0.0 | 2.128 | 0.0 |
| 72 | 17810 | 17811 | SN | 1 | 0.0 | 28.75 | 13.792 | 0.0 | 25.529 | 12.593 | 0.0 | 153.389 | 11.795 | 0.0 | 130.295 | 12.771 | 0.0 | 1.433 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 2.133 | 0.0 |
| 73 | 17810 | 17811 | SN | 1 | 0.0 | 28.75 | 13.623 | 0.0 | 26.841 | 13.292 | 0.0 | 153.389 | 11.332 | 0.0 | 130.295 | 13.803 | 0.0 | 1.433 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 2.133 | 0.0 |
| 74 | 17810 | 17811 | SN | 1 | 0.0 | 28.75 | 13.623 | 0.0 | 26.841 | 13.292 | 0.0 | 153.389 | 11.332 | 0.0 | 130.295 | 13.803 | 0.0 | 1.433 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 2.133 | 0.0 |
| 75 | 17810 | 17811 | SN | 1 | 0.0 | 22.11 | 6.345 | 0.0 | 24.249 | 7.561 | 0.0 | 147.785 | 2.803 | 0.0 | 169.49 | 3.692 | 0.0 | 1.42 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.137 | 0.0 |
| 76 | 17810 | 17811 | NS | 1 | 0.0 | 54.452 | 6.1 | 0.0 | 24.586 | 6.914 | 0.0 | 342.661 | 2.123 | 0.0 | 61.421 | 3.07 | 0.0 | 1.424 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.13 | 0.0 |
| 77 | 17810 | 17811 | SN | 1 | 0.0 | 22.11 | 6.199 | 0.0 | 24.249 | 7.56 | 0.0 | 147.785 | 2.654 | 0.0 | 169.49 | 3.828 | 0.0 | 1.42 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.137 | 0.0 |
| 78 | 17810 | 17811 | SN | 1 | 0.0 | 22.11 | 6.199 | 0.0 | 24.249 | 7.56 | 0.0 | 147.785 | 2.654 | 0.0 | 169.49 | 3.828 | 0.0 | 1.42 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.137 | 0.0 |
| 79 | 17811 | 17812 | SN | 1 | 0.0 | 43.21 | 13.629 | 0.667 | 26.842 | 13.276 | 0.0 | 175.195 | 11.386 | 0.0 | 59.733 | 13.72 | 0.0 | 1.433 | 0.0 | 0.002 | 1.784 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.139 | 0.0 |
| 80 | 17811 | 17812 | NS | 1 | 0.0 | 24.74 | 6.078 | 0.0 | 24.586 | 6.924 | 0.0 | 344.216 | 2.104 | 0.0 | 68.778 | 3.045 | 0.0 | 1.423 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.13 | 0.0 |
| 81 | 17811 | 17812 | SN | 1 | 0.0 | 22.104 | 6.189 | 0.0 | 24.233 | 7.541 | 0.0 | 169.779 | 2.701 | 0.0 | 73.079 | 3.775 | 0.0 | 1.42 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.138 | 0.0 |
| 82 | 17811 | 17812 | NS | 1 | 0.0 | 211.233 | 10.226 | 0.0 | 29.886 | 14.364 | 0.0 | 356.757 | 9.767 | 0.0 | 36.427 | 12.687 | 0.0 | 1.409 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.129 | 0.0 |
| 83 | 17812 | 17813 | NS | 1 | 0.0 | 25.424 | 6.089 | 0.0 | 24.591 | 6.937 | 0.0 | 211.373 | 2.124 | 0.0 | 62.717 | 3.02 | 0.0 | 1.424 | 0.0 | 0.0 | 1.772 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.13 | 0.0 |
| 84 | 17812 | 17813 | SN | 1 | 0.0 | 22.11 | 6.201 | 0.0 | 24.238 | 7.524 | 0.0 | 170.877 | 2.682 | 0.0 | 66.665 | 3.824 | 0.0 | 1.42 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.137 | 0.0 |
| 85 | 17812 | 17813 | SN | 1 | 0.734 | 28.667 | 13.659 | 0.0 | 26.847 | 13.33 | 0.0 | 144.681 | 11.297 | 0.0 | 69.092 | 13.685 | 0.001 | 1.433 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.135 | 0.0 |
| 86 | 17812 | 17813 | NS | 1 | 0.0 | 54.761 | 10.274 | 0.0 | 29.88 | 14.357 | 0.0 | 141.121 | 9.771 | 0.0 | 35.472 | 12.704 | 0.0 | 1.406 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.128 | 0.0 |
| 87 | 17813 | 17814 | SN | 1 | 0.739 | 28.832 | 13.609 | 0.0 | 27.338 | 13.299 | 0.0 | 140.677 | 11.354 | 0.0 | 100.062 | 13.719 | 0.001 | 1.433 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.134 | 0.0 |
| 88 | 17813 | 17814 | NS | 1 | 0.0 | 25.43 | 6.098 | 0.0 | 24.591 | 6.95 | 0.0 | 346.367 | 2.121 | 0.0 | 19.562 | 3.028 | 0.0 | 1.423 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.129 | 0.0 |
| 89 | 17813 | 17814 | NS | 1 | 0.0 | 25.43 | 6.09 | 0.0 | 24.591 | 6.944 | 0.0 | 346.367 | 2.113 | 0.0 | 56.314 | 3.053 | 0.0 | 1.423 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.129 | 0.0 |
| 90 | 17813 | 17814 | NS | 1 | 0.0 | 24.597 | 10.235 | 0.0 | 29.886 | 14.353 | 0.0 | 226.554 | 9.804 | 0.0 | 28.766 | 12.715 | 0.0 | 1.409 | 0.0 | 0.0 | 1.772 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.129 | 0.0 |
| 91 | 17813 | 17814 | NS | 1 | 0.0 | 24.597 | 10.247 | 0.0 | 29.886 | 14.387 | 0.0 | 226.554 | 9.767 | 0.0 | 37.006 | 12.754 | 0.0 | 1.409 | 0.0 | 0.0 | 1.772 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.129 | 0.0 |
| 92 | 17813 | 17814 | SN | 1 | 0.0 | 22.11 | 6.197 | 0.0 | 24.238 | 7.547 | 0.0 | 172.757 | 2.707 | 0.0 | 99.739 | 3.85 | 0.0 | 1.42 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.138 | 0.0 |
| 93 | 17814 | 17815 | NS | 1 | 0.0 | 255.852 | 6.113 | 0.0 | 24.586 | 6.946 | 0.0 | 302.065 | 2.117 | 0.0 | 57.858 | 3.072 | 0.0 | 1.425 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.129 | 0.0 |
| 94 | 17814 | 17815 | NS | 1 | 0.0 | 270.387 | 10.245 | 0.0 | 29.886 | 14.418 | 0.0 | 347.74 | 9.779 | 0.0 | 37.563 | 12.729 | 0.0 | 1.407 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.129 | 0.0 |
| 95 | 17814 | 17815 | SN | 1 | 0.0 | 22.11 | 6.204 | 0.0 | 24.244 | 7.549 | 0.0 | 160.768 | 2.716 | 0.0 | 77.91 | 3.854 | 0.0 | 1.42 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.138 | 0.0 |
| 96 | 17814 | 17815 | NS | 1 | 0.0 | 211.238 | 10.255 | 0.0 | 29.886 | 14.408 | 0.0 | 347.746 | 9.779 | 0.0 | 37.568 | 12.729 | 0.0 | 1.407 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.129 | 0.0 |
| 97 | 17814 | 17815 | SN | 1 | 0.0 | 22.11 | 6.204 | 0.0 | 24.244 | 7.549 | 0.0 | 160.768 | 2.716 | 0.0 | 77.91 | 3.854 | 0.0 | 1.42 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.138 | 0.0 |
| 98 | 17814 | 17815 | SN | 1 | 0.739 | 28.744 | 13.609 | 0.0 | 27.288 | 13.36 | 0.0 | 173.932 | 11.339 | 0.0 | 79.697 | 13.769 | 0.002 | 1.432 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.134 | 0.0 |
| 99 | 17814 | 17815 | NS | 1 | 0.0 | 211.238 | 10.262 | 0.0 | 29.886 | 14.243 | 0.0 | 347.746 | 9.88 | 0.0 | 18.795 | 12.505 | 0.0 | 1.407 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.129 | 0.0 |
| 100 | 17814 | 17815 | NS | 1 | 0.0 | 155.661 | 6.118 | 0.0 | 24.591 | 6.955 | 0.0 | 302.026 | 2.123 | 0.0 | 57.841 | 3.085 | 0.0 | 1.424 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.129 | 0.0 |
| 101 | 17814 | 17815 | NS | 1 | 0.0 | 255.852 | 6.161 | 0.0 | 24.586 | 6.936 | 0.0 | 302.065 | 2.148 | 0.0 | 13.093 | 3.003 | 0.0 | 1.425 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.129 | 0.0 |
| 102 | 17814 | 17815 | SN | 1 | 0.739 | 28.744 | 13.609 | 0.0 | 27.288 | 13.36 | 0.0 | 173.932 | 11.339 | 0.0 | 79.697 | 13.769 | 0.002 | 1.432 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.134 | 0.0 |
| 103 | 17815 | 17816 | SN | 1 | 0.0 | 22.099 | 6.212 | 0.0 | 24.238 | 7.537 | 0.0 | 174.406 | 2.721 | 0.0 | 71.491 | 3.857 | 0.0 | 1.421 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.137 | 0.0 |
| 104 | 17815 | 17816 | NS | 1 | 0.0 | 24.751 | 6.113 | 0.0 | 24.586 | 6.935 | 0.0 | 342.148 | 2.126 | 0.0 | 60.527 | 3.079 | 0.0 | 1.424 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.129 | 0.0 |
| 105 | 17815 | 17816 | NS | 1 | 0.0 | 24.751 | 6.113 | 0.0 | 24.586 | 6.935 | 0.0 | 342.148 | 2.124 | 0.0 | 60.527 | 3.079 | 0.0 | 1.424 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.129 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-------|---------|--------|-------|--------|--------|-----|---------|--------|-----|--------|--------|-------|-------|-----|-------|-------|-----|-----|-------|-----|-----|-------|-----|
| 106 | 17815 | 17816 | SN | 1 | 0.0 | 22.099 | 6.212 | 0.0 | 24.238 | 7.537 | 0.0 | 174.406 | 2.721 | 0.0 | 71.491 | 3.857 | 0.0 | 1.421 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.137 | 0.0 |
| 107 | 17815 | 17816 | SN | 1 | 0.0 | 28.722 | 13.593 | 0.0 | 27.31 | 13.323 | 0.0 | 162.626 | 11.338 | 0.0 | 82.063 | 13.831 | 0.0 | 1.433 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.136 | 0.0 |
| 108 | 17815 | 17816 | SN | 1 | 0.0 | 28.722 | 13.593 | 0.0 | 27.31 | 13.323 | 0.0 | 162.626 | 11.338 | 0.0 | 82.063 | 13.831 | 0.0 | 1.433 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.136 | 0.0 |
| 109 | 17815 | 17816 | NS | 1 | 0.0 | 25.468 | 10.192 | 0.827 | 29.886 | 14.409 | 0.0 | 230.411 | 9.842 | 0.0 | 37.066 | 12.729 | 0.0 | 1.41 | 0.0 | 0.002 | 1.775 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.129 | 0.0 |
| 110 | 17815 | 17816 | NS | 1 | 0.0 | 25.468 | 10.192 | 0.827 | 29.886 | 14.409 | 0.0 | 270.111 | 9.835 | 0.0 | 37.072 | 12.729 | 0.0 | 1.41 | 0.0 | 0.002 | 1.775 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.129 | 0.0 |
| 111 | 17816 | 17817 | NS | 1 | 0.0 | 95.804 | 6.469 | 0.0 | 24.591 | 7.055 | 0.0 | 356.79 | 2.413 | 0.0 | 11.664 | 3.261 | 0.0 | 1.426 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.129 | 0.0 |
| 112 | 17816 | 17817 | NS | 1 | 0.0 | 259.406 | 10.217 | 0.0 | 29.891 | 14.395 | 0.0 | 356.785 | 9.84 | 0.0 | 35.235 | 12.749 | 0.0 | 1.408 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.827 | 0.0 | 0.0 | 2.129 | 0.0 |
| 113 | 17816 | 17817 | NS | 1 | 0.0 | 192.923 | 10.46 | 0.0 | 29.886 | 13.687 | 0.0 | 356.79 | 11.075 | 0.0 | 14.102 | 12.024 | 0.0 | 1.408 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.13 | 0.0 |
| 114 | 17816 | 17817 | NS | 1 | 0.0 | 192.923 | 10.217 | 0.0 | 29.886 | 14.395 | 0.0 | 356.79 | 9.847 | 0.0 | 35.246 | 12.785 | 0.0 | 1.408 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.13 | 0.0 |
| 115 | 17816 | 17817 | SN | 1 | 0.0 | 22.104 | 6.205 | 0.0 | 24.244 | 7.578 | 0.0 | 152.49 | 2.693 | 0.0 | 123.71 | 3.844 | 0.0 | 1.423 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.138 | 0.0 |
| 116 | 17816 | 17817 | SN | 1 | 0.0 | 28.628 | 13.714 | 0.0 | 27.305 | 13.293 | 0.0 | 147.046 | 11.345 | 0.0 | 68.187 | 13.924 | 0.0 | 1.435 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.135 | 0.0 |
| 117 | 17816 | 17817 | SN | 1 | 0.0 | 22.104 | 6.205 | 0.0 | 24.244 | 7.578 | 0.0 | 152.49 | 2.693 | 0.0 | 123.71 | 3.844 | 0.0 | 1.423 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.138 | 0.0 |
| 118 | 17816 | 17817 | SN | 1 | 0.0 | 28.628 | 13.714 | 0.0 | 27.305 | 13.293 | 0.0 | 147.046 | 11.345 | 0.0 | 68.187 | 13.924 | 0.0 | 1.435 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.135 | 0.0 |
| 119 | 17816 | 17817 | NS | 1 | 0.0 | 95.804 | 6.101 | 0.0 | 24.591 | 6.917 | 0.0 | 356.79 | 2.123 | 0.0 | 68.926 | 3.082 | 0.0 | 1.426 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.129 | 0.0 |
| 120 | 17816 | 17817 | NS | 1 | 0.0 | 24.762 | 6.094 | 0.0 | 24.586 | 6.917 | 0.0 | 356.785 | 2.134 | 0.0 | 68.91 | 3.077 | 0.0 | 1.426 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.129 | 0.0 |
| 121 | 17817 | 17818 | SN | 1 | 0.0 | 28.093 | 13.767 | 0.0 | 26.858 | 12.828 | 0.0 | 145.927 | 11.691 | 0.0 | 14.642 | 13.017 | 0.0 | 1.432 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.135 | 0.0 |
| 122 | 17817 | 17818 | NS | 1 | 0.0 | 161.361 | 10.207 | 0.0 | 29.891 | 14.405 | 0.0 | 356.89 | 9.853 | 0.0 | 37.287 | 12.829 | 0.0 | 1.407 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.827 | 0.0 | 0.0 | 2.13 | 0.0 |
| 123 | 17817 | 17818 | NS | 1 | 0.0 | 161.361 | 10.207 | 0.0 | 29.891 | 14.405 | 0.0 | 356.89 | 9.853 | 0.0 | 37.287 | 12.829 | 0.0 | 1.407 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.827 | 0.0 | 0.0 | 2.13 | 0.0 |
| 124 | 17817 | 17818 | NS | 1 | 0.0 | 24.746 | 6.703 | 0.0 | 24.591 | 7.156 | 0.0 | 127.78 | 2.619 | 0.0 | 11.664 | 3.484 | 0.0 | 1.423 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.129 | 0.0 |
| 125 | 17817 | 17818 | NS | 1 | 0.0 | 266.962 | 6.11 | 0.0 | 24.591 | 6.937 | 0.0 | 127.78 | 2.134 | 0.0 | 68.502 | 3.093 | 0.0 | 1.423 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.129 | 0.0 |
| 126 | 17817 | 17818 | NS | 1 | 0.0 | 266.962 | 6.11 | 0.0 | 24.591 | 6.937 | 0.0 | 127.78 | 2.134 | 0.0 | 68.502 | 3.093 | 0.0 | 1.423 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.129 | 0.0 |
| 127 | 17817 | 17818 | NS | 1 | 0.0 | 25.981 | 10.604 | 0.0 | 29.891 | 13.761 | 0.0 | 356.89 | 11.929 | 0.0 | 13.148 | 12.318 | 0.0 | 1.407 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.827 | 0.0 | 0.0 | 2.13 | 0.0 |
| 128 | 17817 | 17818 | SN | 1 | 0.0 | 28.093 | 13.659 | 0.0 | 26.858 | 13.245 | 0.0 | 145.927 | 11.371 | 0.0 | 74.017 | 13.771 | 0.0 | 1.432 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.135 | 0.0 |
| 129 | 17817 | 17818 | SN | 1 | 0.0 | 28.093 | 13.659 | 0.0 | 26.858 | 13.245 | 0.0 | 145.927 | 11.371 | 0.0 | 74.017 | 13.771 | 0.0 | 1.432 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.135 | 0.0 |
| 130 | 17817 | 17818 | SN | 1 | 0.0 | 22.115 | 6.295 | 0.0 | 24.211 | 7.573 | 0.0 | 144.73 | 2.704 | 0.0 | 12.971 | 3.674 | 0.0 | 1.419 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.138 | 0.0 |
| 131 | 17817 | 17818 | SN | 1 | 0.0 | 22.115 | 6.197 | 0.0 | 24.211 | 7.584 | 0.0 | 144.73 | 2.634 | 0.0 | 71.86 | 3.814 | 0.0 | 1.419 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.138 | 0.0 |
| 132 | 17817 | 17818 | SN | 1 | 0.0 | 22.115 | 6.197 | 0.0 | 24.211 | 7.584 | 0.0 | 144.73 | 2.634 | 0.0 | 71.86 | 3.815 | 0.0 | 1.419 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.138 | 0.0 |
| 133 | 17818 | 17819 | SN | 1 | 0.0 | 22.11 | 6.197 | 0.0 | 24.233 | 7.558 | 0.0 | 158.733 | 2.638 | 0.0 | 63.836 | 3.834 | 0.0 | 1.42 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.138 | 0.0 |
| 134 | 17818 | 17819 | NS | 1 | 0.0 | 24.735 | 6.119 | 0.0 | 24.591 | 6.912 | 0.0 | 346.543 | 2.125 | 0.0 | 49.111 | 3.06 | 0.0 | 1.426 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.128 | 0.0 |
| 135 | 17818 | 17819 | SN | 1 | 0.0 | 22.11 | 6.197 | 0.0 | 24.233 | 7.558 | 0.0 | 158.733 | 2.638 | 0.0 | 63.836 | 3.834 | 0.0 | 1.42 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.138 | 0.0 |
| 136 | 17818 | 17819 | NS | 1 | 0.0 | 24.735 | 6.119 | 0.0 | 24.591 | 6.912 | 0.0 | 346.543 | 2.125 | 0.0 | 49.111 | 3.059 | 0.0 | 1.426 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.128 | 0.0 |
| 137 | 17818 | 17819 | NS | 1 | 0.0 | 269.482 | 10.246 | 0.0 | 29.886 | 14.337 | 0.0 | 137.988 | 9.752 | 0.0 | 37.144 | 12.711 | 0.0 | 1.41 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.129 | 0.0 |
| 138 | 17818 | 17819 | NS | 1 | 0.0 | 269.482 | 10.246 | 0.0 | 29.886 | 14.337 | 0.0 | 137.988 | 9.752 | 0.0 | 37.144 | 12.711 | 0.0 | 1.41 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.129 | 0.0 |
| 139 | 17818 | 17819 | SN | 1 | 0.739 | 28.772 | 13.649 | 0.0 | 27.316 | 13.279 | 0.0 | 176.265 | 11.375 | 0.0 | 66.401 | 13.826 | 0.002 | 1.433 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.135 | 0.0 |
| 140 | 17818 | 17819 | SN | 1 | 0.739 | 28.772 | 13.649 | 0.0 | 27.316 | 13.279 | 0.0 | 176.265 | 11.375 | 0.0 | 66.401 | 13.826 | 0.002 | 1.433 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.135 | 0.0 |
| 141 | 17818 | 17819 | SN | 1 | 0.0 | 28.772 | 13.671 | 0.0 | 27.316 | 13.052 | 0.0 | 176.265 | 11.467 | 0.0 | 19.291 | 13.508 | 0.0 | 1.433 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.135 | 0.0 |
| 142 | 17818 | 17819 | SN | 1 | 0.0 | 22.11 | 6.22 | 0.0 | 24.233 | 7.548 | 0.0 | 158.733 | 2.66 | 0.0 | 13.732 | 3.732 | 0.0 | 1.42 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.138 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-------|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-------|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 143 | 17819 | 17820 | NS | 1 | 0.0 | 235.361 | 10.277 | 0.0 | 29.93 | 14.377 | 0.0 | 352.472 | 9.767 | 0.0 | 60.119 | 12.697 | 0.0 | 1.407 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.129 | 0.0 |
| 144 | 17819 | 17820 | SN | 1 | 0.0 | 29.268 | 13.635 | 0.0 | 27.316 | 13.218 | 0.0 | 152.837 | 11.376 | 0.0 | 72.098 | 13.82 | 0.0 | 1.433 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.138 | 0.0 |
| 145 | 17819 | 17820 | NS | 1 | 0.0 | 269.3 | 10.245 | 0.695 | 29.886 | 14.348 | 0.0 | 349.042 | 9.772 | 0.0 | 37.69 | 12.693 | 0.0 | 1.407 | 0.002 | 0.0 | 1.774 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.13 | 0.0 |
| 146 | 17819 | 17820 | SN | 1 | 0.0 | 22.115 | 6.21 | 0.0 | 24.238 | 7.568 | 0.0 | 166.117 | 2.718 | 0.0 | 14.946 | 3.76 | 0.0 | 1.42 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.138 | 0.0 |
| 147 | 17819 | 17820 | SN | 1 | 0.0 | 22.115 | 6.208 | 0.0 | 24.238 | 7.561 | 0.0 | 166.073 | 2.718 | 0.0 | 14.946 | 3.758 | 0.0 | 1.42 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.138 | 0.0 |
| 148 | 17819 | 17820 | SN | 1 | 0.0 | 29.268 | 13.662 | 0.0 | 27.316 | 13.059 | 0.0 | 152.865 | 11.459 | 0.0 | 19.777 | 13.553 | 0.0 | 1.433 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.138 | 0.0 |
| 149 | 17819 | 17820 | SN | 1 | 0.0 | 29.268 | 13.662 | 0.0 | 27.316 | 13.08 | 0.0 | 152.837 | 11.445 | 0.0 | 19.777 | 13.553 | 0.0 | 1.433 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.138 | 0.0 |
| 150 | 17819 | 17820 | SN | 1 | 0.0 | 22.115 | 6.194 | 0.0 | 24.238 | 7.574 | 0.0 | 166.073 | 2.7 | 0.0 | 66.097 | 3.854 | 0.0 | 1.42 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.138 | 0.0 |
| 151 | 17819 | 17820 | NS | 1 | 0.0 | 235.361 | 6.099 | 0.0 | 24.597 | 6.937 | 0.0 | 319.674 | 2.119 | 0.0 | 53.347 | 3.072 | 0.0 | 1.423 | 0.0 | 0.0 | 1.772 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.13 | 0.0 |
| 152 | 17819 | 17820 | NS | 1 | 0.0 | 80.621 | 6.106 | 0.0 | 24.597 | 6.93 | 0.0 | 131.574 | 2.113 | 0.0 | 43.177 | 3.064 | 0.0 | 1.423 | 0.0 | 0.0 | 1.772 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.128 | 0.0 |
| 153 | 17820 | 17821 | NS | 1 | 0.0 | 256.318 | 10.265 | 0.695 | 29.88 | 14.348 | 0.0 | 217.338 | 9.757 | 0.0 | 35.886 | 12.7 | 0.0 | 1.408 | 0.002 | 0.0 | 1.775 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.128 | 0.0 |
| 154 | 17820 | 17821 | SN | 1 | 0.0 | 28.65 | 13.727 | 0.0 | 27.343 | 13.038 | 0.0 | 156.422 | 11.456 | 0.0 | 18.558 | 13.468 | 0.0 | 1.43 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.137 | 0.0 |
| 155 | 17820 | 17821 | NS | 1 | 0.0 | 160.114 | 6.077 | 0.0 | 24.591 | 6.941 | 0.0 | 342.975 | 2.124 | 0.0 | 40.976 | 3.037 | 0.0 | 1.423 | 0.0 | 0.0 | 1.772 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.129 | 0.0 |
| 156 | 17820 | 17821 | NS | 1 | 0.0 | 160.114 | 6.077 | 0.0 | 24.591 | 6.941 | 0.0 | 342.975 | 2.123 | 0.0 | 40.976 | 3.037 | 0.0 | 1.423 | 0.0 | 0.0 | 1.772 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.129 | 0.0 |
| 157 | 17820 | 17821 | SN | 1 | 0.0 | 28.65 | 13.703 | 0.0 | 27.343 | 13.324 | 0.0 | 156.422 | 11.343 | 0.0 | 63.307 | 13.846 | 0.0 | 1.43 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.137 | 0.0 |
| 158 | 17820 | 17821 | SN | 1 | 0.0 | 22.121 | 6.206 | 0.0 | 24.233 | 7.572 | 0.0 | 151.006 | 2.768 | 0.0 | 54.455 | 3.889 | 0.0 | 1.419 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.139 | 0.0 |
| 159 | 17820 | 17821 | SN | 1 | 0.0 | 28.65 | 13.703 | 0.0 | 27.343 | 13.324 | 0.0 | 156.422 | 11.343 | 0.0 | 63.307 | 13.846 | 0.0 | 1.43 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.137 | 0.0 |
| 160 | 17820 | 17821 | SN | 1 | 0.0 | 22.121 | 6.233 | 0.0 | 24.233 | 7.559 | 0.0 | 151.006 | 2.795 | 0.0 | 13.159 | 3.778 | 0.0 | 1.419 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.139 | 0.0 |
| 161 | 17820 | 17821 | SN | 1 | 0.0 | 22.121 | 6.206 | 0.0 | 24.233 | 7.572 | 0.0 | 151.006 | 2.768 | 0.0 | 54.455 | 3.889 | 0.0 | 1.419 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.139 | 0.0 |
| 162 | 17820 | 17821 | NS | 1 | 0.0 | 256.318 | 10.265 | 0.695 | 29.88 | 14.348 | 0.0 | 217.338 | 9.765 | 0.0 | 35.886 | 12.7 | 0.0 | 1.408 | 0.002 | 0.0 | 1.775 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.128 | 0.0 |
| 163 | 17821 | 17822 | NS | 1 | 0.0 | 46.395 | 6.062 | 0.0 | 24.58 | 6.937 | 0.0 | 351.843 | 2.111 | 0.0 | 67.603 | 3.029 | 0.0 | 1.423 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.127 | 0.0 |
| 164 | 17821 | 17822 | NS | 1 | 0.0 | 203.175 | 6.056 | 0.0 | 24.58 | 6.935 | 0.0 | 343.698 | 2.11 | 0.0 | 66.991 | 3.037 | 0.0 | 1.423 | 0.0 | 0.0 | 1.772 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.129 | 0.0 |
| 165 | 17821 | 17822 | SN | 1 | 0.0 | 22.121 | 6.219 | 0.0 | 24.238 | 7.538 | 0.0 | 143.566 | 2.744 | 0.0 | 271.498 | 3.896 | 0.0 | 1.419 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.138 | 0.0 |
| 166 | 17821 | 17822 | SN | 1 | 0.0 | 22.121 | 6.214 | 0.0 | 24.238 | 7.544 | 0.0 | 143.572 | 2.735 | 0.0 | 123.748 | 3.899 | 0.0 | 1.42 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.139 | 0.0 |
| 167 | 17821 | 17822 | NS | 1 | 0.0 | 42.59 | 10.265 | 0.7 | 29.864 | 14.318 | 0.0 | 350.812 | 9.715 | 0.0 | 40.927 | 12.672 | 0.0 | 1.408 | 0.002 | 0.0 | 1.774 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.129 | 0.0 |
| 168 | 17821 | 17822 | NS | 1 | 0.0 | 42.584 | 10.219 | 0.0 | 29.864 | 14.322 | 0.0 | 356.757 | 9.79 | 0.0 | 35.313 | 12.636 | 0.0 | 1.408 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.128 | 0.0 |
| 169 | 17821 | 17822 | SN | 1 | 0.0 | 29.103 | 13.655 | 0.0 | 27.343 | 12.871 | 0.0 | 147.548 | 11.545 | 0.0 | 15.778 | 13.273 | 0.0 | 1.431 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.135 | 0.0 |
| 170 | 17821 | 17822 | SN | 1 | 0.0 | 29.103 | 13.613 | 0.0 | 27.343 | 13.283 | 0.0 | 147.548 | 11.359 | 0.0 | 65.662 | 13.831 | 0.0 | 1.431 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.135 | 0.0 |
| 171 | 17821 | 17822 | SN | 1 | 0.0 | 29.103 | 13.623 | 0.0 | 27.343 | 13.293 | 0.0 | 147.554 | 11.373 | 0.0 | 65.662 | 13.838 | 0.0 | 1.431 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.135 | 0.0 |
| 172 | 17821 | 17822 | SN | 1 | 0.0 | 22.121 | 6.257 | 0.0 | 24.238 | 7.526 | 0.0 | 143.572 | 2.778 | 0.0 | 12.988 | 3.776 | 0.0 | 1.42 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.139 | 0.0 |
| 173 | 17822 | 17823 | SN | 1 | 0.0 | 22.11 | 6.196 | 0.0 | 24.227 | 7.539 | 0.0 | 171.522 | 2.742 | 0.0 | 71.447 | 3.851 | 0.0 | 1.421 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.138 | 0.0 |
| 174 | 17822 | 17823 | SN | 1 | 0.0 | 22.115 | 6.196 | 0.0 | 24.227 | 7.537 | 0.0 | 171.55 | 2.747 | 0.0 | 71.408 | 3.855 | 0.0 | 1.42 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.138 | 0.0 |
| 175 | 17822 | 17823 | SN | 1 | 0.0 | 28.182 | 13.705 | 0.0 | 27.305 | 12.824 | 0.0 | 143.704 | 11.633 | 0.0 | 136.609 | 13.015 | 0.0 | 1.433 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.137 | 0.0 |
| 176 | 17822 | 17823 | NS | 1 | 0.0 | 190.381 | 6.061 | 0.0 | 24.591 | 6.935 | 0.0 | 128.96 | 2.111 | 0.0 | 68.386 | 3.038 | 0.0 | 1.423 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.128 | 0.0 |
| 177 | 17822 | 17823 | SN | 1 | 0.0 | 28.182 | 13.639 | 0.0 | 27.299 | 13.235 | 0.0 | 143.721 | 11.348 | 0.0 | 73.587 | 13.752 | 0.0 | 1.432 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.137 | 0.0 |
| 178 | 17822 | 17823 | SN | 1 | 0.0 | 22.11 | 6.278 | 0.0 | 24.227 | 7.54 | 0.0 | 171.522 | 2.807 | 0.0 | 12.982 | 3.725 | 0.0 | 1.421 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.138 | 0.0 |
| 179 | 17822 | 17823 | SN | 1 | 0.0 | 28.182 | 13.629 | 0.0 | 27.305 | 13.266 | 0.0 | 143.704 | 11.376 | 0.0 | 136.609 | 13.744 | 0.0 | 1.433 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.137 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-------|---------|--------|-----|--------|--------|-----|---------|--------|-----|--------|--------|-------|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 180 | 17822 | 17823 | NS | 1 | 0.0 | 263.992 | 6.074 | 0.0 | 24.58 | 6.94 | 0.0 | 176.919 | 2.109 | 0.0 | 52.679 | 3.031 | 0.0 | 1.423 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.129 | 0.0 |
| 181 | 17822 | 17823 | NS | 1 | 0.601 | 254.037 | 10.27 | 0.0 | 29.875 | 14.363 | 0.0 | 356.895 | 9.853 | 0.0 | 36.294 | 12.715 | 0.209 | 1.41 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.825 | 0.0 | 0.0 | 2.128 | 0.0 |
| 182 | 17822 | 17823 | NS | 1 | 0.0 | 238.223 | 10.277 | 0.0 | 29.88 | 14.347 | 0.0 | 140.531 | 9.844 | 0.0 | 36.36 | 12.626 | 0.0 | 1.41 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.128 | 0.0 |
| 183 | 17823 | 17824 | SN | 1 | 0.0 | 22.11 | 6.21 | 0.0 | 24.216 | 7.509 | 0.0 | 133.606 | 2.694 | 0.0 | 74.949 | 3.849 | 0.0 | 1.42 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.137 | 0.0 |
| 184 | 17823 | 17824 | NS | 1 | 0.0 | 24.735 | 6.07 | 0.0 | 24.597 | 6.949 | 0.0 | 346.356 | 2.114 | 0.0 | 55.514 | 3.027 | 0.0 | 1.425 | 0.0 | 0.0 | 1.772 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.129 | 0.0 |
| 185 | 17823 | 17824 | SN | 1 | 0.0 | 28.248 | 13.619 | 0.0 | 27.31 | 13.195 | 0.0 | 149.881 | 11.383 | 0.0 | 70.851 | 13.659 | 0.0 | 1.432 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.137 | 0.0 |
| 186 | 17823 | 17824 | SN | 1 | 0.0 | 28.253 | 13.629 | 0.0 | 27.31 | 13.215 | 0.0 | 149.936 | 11.369 | 0.0 | 70.851 | 13.659 | 0.0 | 1.431 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.136 | 0.0 |
| 187 | 17823 | 17824 | NS | 1 | 0.0 | 24.74 | 6.086 | 0.0 | 24.597 | 6.939 | 0.0 | 137.605 | 2.118 | 0.0 | 67.509 | 3.034 | 0.0 | 1.425 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.128 | 0.0 |
| 188 | 17823 | 17824 | SN | 1 | 0.0 | 28.248 | 13.659 | 0.0 | 27.31 | 12.832 | 0.0 | 149.881 | 11.563 | 0.0 | 15.85 | 13.111 | 0.0 | 1.432 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.137 | 0.0 |
| 189 | 17823 | 17824 | SN | 1 | 0.0 | 22.11 | 6.255 | 0.0 | 24.222 | 7.509 | 0.0 | 125.466 | 2.719 | 0.0 | 12.988 | 3.717 | 0.0 | 1.421 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.137 | 0.0 |
| 190 | 17823 | 17824 | SN | 1 | 0.0 | 22.11 | 6.214 | 0.0 | 24.222 | 7.514 | 0.0 | 125.466 | 2.676 | 0.0 | 74.949 | 3.848 | 0.0 | 1.421 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.137 | 0.0 |
| 191 | 17823 | 17824 | NS | 1 | 0.0 | 24.591 | 10.215 | 0.0 | 29.897 | 14.399 | 0.0 | 152.603 | 9.808 | 0.0 | 37.381 | 12.675 | 0.0 | 1.408 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.128 | 0.0 |
| 192 | 17823 | 17824 | NS | 1 | 0.0 | 24.591 | 10.188 | 0.0 | 29.897 | 14.415 | 0.0 | 161.113 | 9.846 | 0.0 | 52.426 | 12.729 | 0.0 | 1.408 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.825 | 0.0 | 0.0 | 2.128 | 0.0 |
| 193 | 17824 | 17825 | SN | 1 | 0.0 | 28.722 | 13.635 | 0.0 | 27.316 | 13.249 | 0.0 | 149.087 | 11.413 | 0.0 | 72.451 | 13.65 | 0.0 | 1.432 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.138 | 0.0 |
| 194 | 17824 | 17825 | NS | 1 | 0.0 | 236.85 | 6.116 | 0.0 | 24.597 | 6.903 | 0.0 | 131.194 | 2.113 | 0.0 | 42.995 | 3.066 | 0.0 | 1.425 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.129 | 0.0 |
| 195 | 17824 | 17825 | NS | 1 | 0.0 | 236.85 | 6.116 | 0.0 | 24.597 | 6.903 | 0.0 | 131.194 | 2.113 | 0.0 | 42.995 | 3.066 | 0.0 | 1.425 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.129 | 0.0 |
| 196 | 17824 | 17825 | NS | 1 | 0.0 | 210.395 | 10.285 | 0.0 | 29.902 | 14.369 | 0.0 | 352.378 | 9.78 | 0.0 | 37.656 | 12.754 | 0.0 | 1.408 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.128 | 0.0 |
| 197 | 17824 | 17825 | SN | 1 | 0.0 | 28.722 | 13.635 | 0.0 | 27.316 | 13.249 | 0.0 | 149.087 | 11.413 | 0.0 | 72.467 | 13.65 | 0.0 | 1.432 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.138 | 0.0 |
| 198 | 17824 | 17825 | NS | 1 | 0.0 | 210.395 | 10.285 | 0.0 | 29.902 | 14.369 | 0.0 | 352.378 | 9.78 | 0.0 | 37.656 | 12.754 | 0.0 | 1.408 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.128 | 0.0 |
| 199 | 17824 | 17825 | SN | 1 | 0.0 | 28.722 | 13.818 | 0.0 | 25.623 | 12.611 | 0.0 | 149.087 | 11.892 | 0.0 | 14.51 | 12.637 | 0.0 | 1.432 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.138 | 0.0 |
| 200 | 17824 | 17825 | SN | 1 | 0.0 | 22.121 | 6.211 | 0.0 | 24.238 | 7.543 | 0.0 | 152.677 | 2.628 | 0.0 | 66.323 | 3.808 | 0.0 | 1.42 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.138 | 0.0 |
| 201 | 17824 | 17825 | SN | 1 | 0.0 | 22.121 | 6.211 | 0.0 | 24.238 | 7.543 | 0.0 | 152.677 | 2.628 | 0.0 | 66.301 | 3.806 | 0.0 | 1.42 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.138 | 0.0 |
| 202 | 17824 | 17825 | SN | 1 | 0.0 | 22.121 | 6.351 | 0.0 | 24.238 | 7.544 | 0.0 | 152.677 | 2.751 | 0.0 | 12.971 | 3.657 | 0.0 | 1.42 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.138 | 0.0 |
| 203 | 17825 | 17826 | SN | 1 | 0.0 | 22.104 | 6.213 | 0.0 | 24.216 | 7.556 | 0.0 | 148.315 | 2.62 | 0.0 | 54.554 | 3.759 | 0.0 | 1.42 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.138 | 0.0 |
| 204 | 17825 | 17826 | NS | 1 | 0.0 | 156.105 | 10.222 | 0.0 | 29.902 | 14.385 | 0.0 | 346.808 | 9.777 | 0.0 | 36.162 | 12.762 | 0.0 | 1.408 | 0.0 | 0.0 | 1.776 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.129 | 0.0 |
| 205 | 17825 | 17826 | NS | 1 | 0.0 | 156.105 | 10.212 | 0.0 | 29.902 | 14.364 | 0.0 | 346.808 | 9.791 | 0.0 | 36.156 | 12.762 | 0.0 | 1.408 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.129 | 0.0 |
| 206 | 17825 | 17826 | SN | 1 | 0.0 | 28.733 | 13.603 | 0.0 | 27.283 | 13.324 | 0.0 | 154.277 | 11.366 | 0.0 | 63.345 | 13.582 | 0.0 | 1.432 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.136 | 0.0 |
| 207 | 17825 | 17826 | SN | 1 | 0.0 | 28.733 | 13.603 | 0.0 | 27.283 | 13.324 | 0.0 | 154.277 | 11.366 | 0.0 | 63.345 | 13.582 | 0.0 | 1.432 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.136 | 0.0 |
| 208 | 17825 | 17826 | NS | 1 | 0.0 | 24.735 | 6.097 | 0.0 | 24.602 | 6.919 | 0.0 | 342.76 | 2.119 | 0.0 | 55.762 | 3.082 | 0.0 | 1.423 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.13 | 0.0 |
| 209 | 17825 | 17826 | NS | 1 | 0.0 | 24.735 | 6.108 | 0.0 | 24.602 | 6.917 | 0.0 | 342.749 | 2.119 | 0.0 | 55.762 | 3.087 | 0.0 | 1.423 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.13 | 0.0 |
| 210 | 17825 | 17826 | SN | 1 | 0.0 | 22.104 | 6.213 | 0.0 | 24.216 | 7.556 | 0.0 | 148.315 | 2.62 | 0.0 | 54.554 | 3.759 | 0.0 | 1.42 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.138 | 0.0 |
| 211 | 17826 | 17827 | SN | 1 | 0.0 | 22.11 | 6.101 | 0.0 | 44.002 | 7.505 | 0.0 | 144.234 | 2.519 | 0.0 | 72.252 | 3.72 | 0.0 | 1.422 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.137 | 0.0 |
| 212 | 17826 | 17827 | SN | 1 | 0.0 | 22.066 | 5.698 | 0.0 | 44.002 | 6.875 | 0.0 | 144.234 | 2.395 | 0.0 | 72.252 | 3.325 | 0.0 | 1.417 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.852 | 0.0 | 0.0 | 2.137 | 0.0 |
| 213 | 17826 | 17827 | NS | 1 | 0.0 | 272.16 | 6.139 | 0.0 | 24.597 | 6.924 | 0.0 | 351.705 | 2.187 | 0.0 | 66.015 | 3.017 | 0.0 | 1.424 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.127 | 0.0 |
| 214 | 17826 | 17827 | NS | 1 | 0.0 | 272.165 | 6.13 | 0.0 | 24.597 | 6.921 | 0.0 | 351.7 | 2.185 | 0.0 | 66.004 | 3.018 | 0.0 | 1.424 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.128 | 0.0 |
| 215 | 17826 | 17827 | NS | 1 | 0.0 | 274.415 | 10.368 | 0.0 | 32.037 | 14.435 | 0.0 | 356.807 | 10.046 | 0.0 | 34.838 | 12.723 | 0.0 | 1.407 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.128 | 0.0 |
| 216 | 17826 | 17827 | NS | 1 | 0.0 | 274.426 | 10.368 | 0.0 | 32.037 | 14.425 | 0.0 | 356.807 | 10.046 | 0.0 | 34.838 | 12.744 | 0.0 | 1.407 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.128 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 217 | 17826 | 17827 | SN | 1 | 0.0 | 28.237 | 13.592 | 0.0 | 27.255 | 13.255 | 0.0 | 164.126 | 11.288 | 0.0 | 51.651 | 13.581 | 0.0 | 1.439 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.132 | 0.0 |
| 218 | 17826 | 17827 | SN | 1 | 0.0 | 28.237 | 12.64 | 0.0 | 27.255 | 12.26 | 0.0 | 164.126 | 9.893 | 0.0 | 51.651 | 12.056 | 0.0 | 1.428 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.128 | 0.0 |
| 219 | 17827 | 17828 | SN | 1 | 0.0 | 22.104 | 6.185 | 0.0 | 24.255 | 7.541 | 0.0 | 158.545 | 2.609 | 0.0 | 115.423 | 3.759 | 0.0 | 1.421 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.137 | 0.0 |
| 220 | 17827 | 17828 | NS | 1 | 0.0 | 24.597 | 10.227 | 0.0 | 29.897 | 14.445 | 0.0 | 356.895 | 9.882 | 0.0 | 35.599 | 12.794 | 0.0 | 1.408 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.826 | 0.0 | 0.0 | 2.128 | 0.0 |
| 221 | 17827 | 17828 | SN | 1 | 0.0 | 28.248 | 13.639 | 0.0 | 27.266 | 13.316 | 0.0 | 152.087 | 11.39 | 0.0 | 115.423 | 13.617 | 0.0 | 1.432 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.136 | 0.0 |
| 222 | 17827 | 17828 | NS | 1 | 0.0 | 24.707 | 6.051 | 0.0 | 24.602 | 6.919 | 0.0 | 351.623 | 2.13 | 0.0 | 62.303 | 3.006 | 0.0 | 1.423 | 0.0 | 0.0 | 1.772 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.128 | 0.0 |
| 223 | 17828 | 17829 | SN | 1 | 0.0 | 28.082 | 13.639 | 0.0 | 27.288 | 13.311 | 0.0 | 172.586 | 11.369 | 0.0 | 75.258 | 13.654 | 0.0 | 1.432 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.134 | 0.0 |
| 224 | 17828 | 17829 | SN | 1 | 0.0 | 28.082 | 13.639 | 0.0 | 27.288 | 13.311 | 0.0 | 172.586 | 11.369 | 0.0 | 75.258 | 13.639 | 0.0 | 1.432 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.134 | 0.0 |
| 225 | 17828 | 17829 | NS | 1 | 0.0 | 24.591 | 10.235 | 0.0 | 30.283 | 14.411 | 0.0 | 162.149 | 9.878 | 0.0 | 36.807 | 12.705 | 0.0 | 1.409 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.127 | 0.0 |
| 226 | 17828 | 17829 | SN | 1 | 0.0 | 22.093 | 6.183 | 0.0 | 24.249 | 7.527 | 0.0 | 180.6 | 2.627 | 0.0 | 78.214 | 3.78 | 0.0 | 1.42 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.137 | 0.0 |
| 227 | 17828 | 17829 | NS | 1 | 0.0 | 40.224 | 10.245 | 0.0 | 30.669 | 14.431 | 0.0 | 206.507 | 9.871 | 0.0 | 36.813 | 12.705 | 0.0 | 1.409 | 0.0 | 0.0 | 1.776 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.127 | 0.0 |
| 228 | 17828 | 17829 | NS | 1 | 0.0 | 24.74 | 6.116 | 0.0 | 24.602 | 6.956 | 0.0 | 345.744 | 2.139 | 0.0 | 48.24 | 3.05 | 0.0 | 1.422 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.13 | 0.0 |
| 229 | 17828 | 17829 | NS | 1 | 0.0 | 68.066 | 6.123 | 0.0 | 24.602 | 6.963 | 0.0 | 345.76 | 2.142 | 0.0 | 48.267 | 3.049 | 0.0 | 1.423 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.131 | 0.0 |
| 230 | 17828 | 17829 | NS | 1 | 0.0 | 68.066 | 6.18 | 0.0 | 24.602 | 6.95 | 0.0 | 345.76 | 2.178 | 0.0 | 12.398 | 2.972 | 0.0 | 1.423 | 0.0 | 0.0 | 1.773 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.131 | 0.0 |
| 231 | 17828 | 17829 | NS | 1 | 0.0 | 40.224 | 10.254 | 0.0 | 29.902 | 14.241 | 0.0 | 206.507 | 9.993 | 0.0 | 17.085 | 12.455 | 0.0 | 1.409 | 0.0 | 0.0 | 1.776 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.127 | 0.0 |
| 232 | 17828 | 17829 | SN | 1 | 0.0 | 22.093 | 6.189 | 0.0 | 24.249 | 7.527 | 0.0 | 180.6 | 2.628 | 0.0 | 78.214 | 3.782 | 0.0 | 1.42 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.137 | 0.0 |
| 233 | 17829 | 17830 | NS | 1 | 0.0 | 269.328 | 10.214 | 0.0 | 33.779 | 14.4 | 0.0 | 352.268 | 9.814 | 0.0 | 37.436 | 12.747 | 0.0 | 1.409 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.128 | 0.0 |
| 234 | 17829 | 17830 | SN | 1 | 0.0 | 22.104 | 6.201 | 0.0 | 24.238 | 7.548 | 0.0 | 180.611 | 2.627 | 0.0 | 74.232 | 3.762 | 0.0 | 1.42 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.138 | 0.0 |
| 235 | 17829 | 17830 | NS | 1 | 0.0 | 240.073 | 6.139 | 0.0 | 24.597 | 6.922 | 0.0 | 347.029 | 2.134 | 0.0 | 43.375 | 3.061 | 0.0 | 1.424 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.131 | 0.0 |
| 236 | 17829 | 17830 | SN | 1 | 0.0 | 28.722 | 13.612 | 0.0 | 26.842 | 13.25 | 0.0 | 165.831 | 11.431 | 0.0 | 75.842 | 13.65 | 0.0 | 1.432 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.131 | 0.0 |
| 237 | 17829 | 17830 | NS | 1 | 0.0 | 240.073 | 6.139 | 0.0 | 24.597 | 6.922 | 0.0 | 347.029 | 2.132 | 0.0 | 43.375 | 3.061 | 0.0 | 1.424 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.131 | 0.0 |
| 238 | 17829 | 17830 | SN | 1 | 0.0 | 28.722 | 13.612 | 0.0 | 26.842 | 13.25 | 0.0 | 165.831 | 11.431 | 0.0 | 75.842 | 13.65 | 0.0 | 1.432 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.131 | 0.0 |
| 239 | 17829 | 17830 | NS | 1 | 0.0 | 269.328 | 10.214 | 0.0 | 33.779 | 14.4 | 0.0 | 352.268 | 9.814 | 0.0 | 37.436 | 12.747 | 0.0 | 1.409 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.128 | 0.0 |
| 240 | 17829 | 17830 | SN | 1 | 0.0 | 22.104 | 6.201 | 0.0 | 24.238 | 7.548 | 0.0 | 180.611 | 2.627 | 0.0 | 74.232 | 3.762 | 0.0 | 1.42 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.138 | 0.0 |
| 241 | 17830 | 17831 | NS | 1 | 0.0 | 270.613 | 10.29 | 0.0 | 29.891 | 14.419 | 0.0 | 347.999 | 9.77 | 0.0 | 34.568 | 12.766 | 0.0 | 1.407 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.129 | 0.0 |
| 242 | 17830 | 17831 | SN | 1 | 0.0 | 28.805 | 13.635 | 0.0 | 78.763 | 13.281 | 0.0 | 171.511 | 11.466 | 0.0 | 68.866 | 13.671 | 0.0 | 1.432 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.136 | 0.0 |
| 243 | 17830 | 17831 | SN | 1 | 0.0 | 28.799 | 13.635 | 0.0 | 30.319 | 13.281 | 0.0 | 171.522 | 11.466 | 0.0 | 274.032 | 13.671 | 0.0 | 1.432 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.136 | 0.0 |
| 244 | 17830 | 17831 | NS | 1 | 0.0 | 270.613 | 10.499 | 0.0 | 29.891 | 13.785 | 0.0 | 347.999 | 10.67 | 0.0 | 14.179 | 11.99 | 0.0 | 1.407 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.129 | 0.0 |
| 245 | 17830 | 17831 | NS | 1 | 0.0 | 141.248 | 6.14 | 0.0 | 24.602 | 6.933 | 0.0 | 339.203 | 2.157 | 0.0 | 55.933 | 3.076 | 0.0 | 1.424 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.13 | 0.0 |
| 246 | 17830 | 17831 | SN | 1 | 0.0 | 22.099 | 6.206 | 0.0 | 125.469 | 7.581 | 0.0 | 169.459 | 2.599 | 0.0 | 244.786 | 3.757 | 0.0 | 1.42 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.137 | 0.0 |
| 247 | 17830 | 17831 | SN | 1 | 0.0 | 22.099 | 6.206 | 0.0 | 53.184 | 7.586 | 0.0 | 169.476 | 2.599 | 0.0 | 139.725 | 3.76 | 0.0 | 1.42 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.137 | 0.0 |
| 248 | 17830 | 17831 | NS | 1 | 0.0 | 270.613 | 10.29 | 0.0 | 29.891 | 14.419 | 0.0 | 347.999 | 9.763 | 0.0 | 34.568 | 12.766 | 0.0 | 1.407 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.129 | 0.0 |
| 249 | 17830 | 17831 | NS | 1 | 0.0 | 141.248 | 6.412 | 0.0 | 24.602 | 7.029 | 0.0 | 339.203 | 2.377 | 0.0 | 11.67 | 3.159 | 0.0 | 1.424 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.13 | 0.0 |
| 250 | 17830 | 17831 | NS | 1 | 0.0 | 141.248 | 6.14 | 0.0 | 24.602 | 6.933 | 0.0 | 339.203 | 2.159 | 0.0 | 55.933 | 3.078 | 0.0 | 1.424 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.13 | 0.0 |
| 251 | 17831 | 17832 | NS | 1 | 0.0 | 40.494 | 10.242 | 0.0 | 29.891 | 14.369 | 0.0 | 355.759 | 9.792 | 0.0 | 35.544 | 12.709 | 0.0 | 1.406 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.129 | 0.0 |
| 252 | 17831 | 17832 | SN | 1 | 0.0 | 28.557 | 13.643 | 0.0 | 25.926 | 13.385 | 0.0 | 147.813 | 11.38 | 0.0 | 174.04 | 13.612 | 0.0 | 1.434 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.133 | 0.0 |
| 253 | 17831 | 17832 | SN | 1 | 0.0 | 28.557 | 13.807 | 0.0 | 25.722 | 12.693 | 0.0 | 147.813 | 11.807 | 0.0 | 174.04 | 12.686 | 0.0 | 1.434 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.133 | 0.0 |

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

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|-----|-------|-------|----|---|-----|--------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 254 | 17831 | 17832 | NS | 1 | 0.0 | 40.494 | 10.547 | 0.0 | 29.891 | 13.675 | 0.0 | 355.759 | 11.345 | 0.0 | 14.124 | 12.04 | 0.0 | 1.406 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.129 | 0.0 |
| 255 | 17831 | 17832 | NS | 1 | 0.0 | 24.768 | 6.595 | 0.0 | 24.602 | 7.074 | 0.0 | 343.665 | 2.533 | 0.0 | 11.692 | 3.378 | 0.0 | 1.423 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.13 | 0.0 |
| 256 | 17831 | 17832 | NS | 1 | 0.0 | 24.768 | 6.132 | 0.0 | 24.602 | 6.915 | 0.0 | 343.665 | 2.159 | 0.0 | 68.369 | 3.083 | 0.0 | 1.423 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.13 | 0.0 |
| 257 | 17831 | 17832 | SN | 1 | 0.0 | 22.132 | 6.314 | 0.0 | 24.222 | 7.586 | 0.0 | 141.741 | 2.685 | 0.0 | 107.777 | 3.552 | 0.0 | 1.422 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.137 | 0.0 |
| 258 | 17831 | 17832 | NS | 1 | 0.0 | 40.494 | 10.242 | 0.0 | 29.891 | 14.369 | 0.0 | 355.759 | 9.792 | 0.0 | 35.544 | 12.709 | 0.0 | 1.406 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.129 | 0.0 |
| 259 | 17831 | 17832 | SN | 1 | 0.0 | 22.132 | 6.168 | 0.0 | 24.222 | 7.586 | 0.0 | 141.741 | 2.567 | 0.0 | 123.065 | 3.715 | 0.0 | 1.422 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.137 | 0.0 |
| 260 | 17831 | 17832 | SN | 1 | 0.0 | 28.557 | 13.643 | 0.0 | 25.926 | 13.385 | 0.0 | 147.813 | 11.38 | 0.0 | 174.04 | 13.612 | 0.0 | 1.434 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.133 | 0.0 |
| 261 | 17831 | 17832 | NS | 1 | 0.0 | 24.768 | 6.132 | 0.0 | 24.602 | 6.915 | 0.0 | 343.665 | 2.159 | 0.0 | 68.369 | 3.081 | 0.0 | 1.423 | 0.0 | 0.0 | 1.774 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.13 | 0.0 |
| 262 | 17831 | 17832 | SN | 1 | 0.0 | 22.132 | 6.168 | 0.0 | 24.222 | 7.586 | 0.0 | 141.741 | 2.567 | 0.0 | 123.065 | 3.715 | 0.0 | 1.422 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.137 | 0.0 |

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