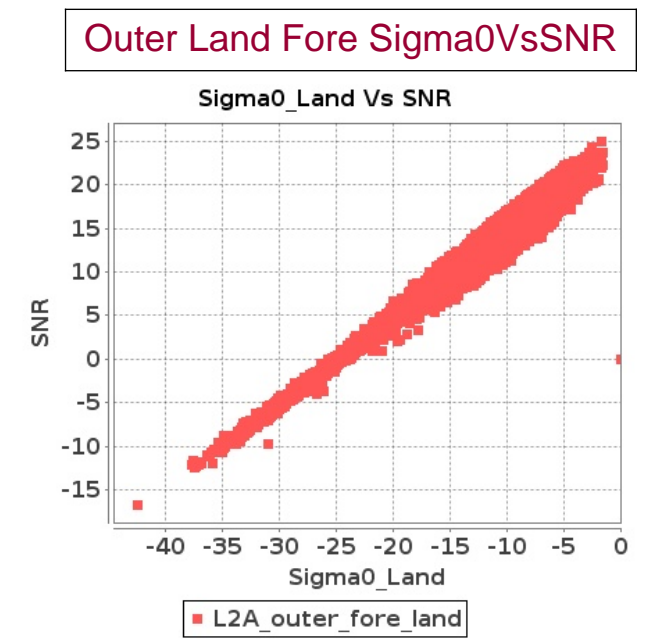
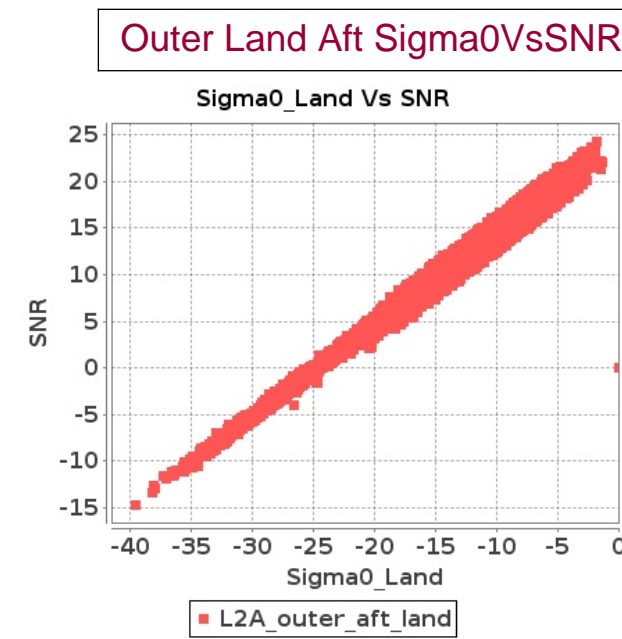
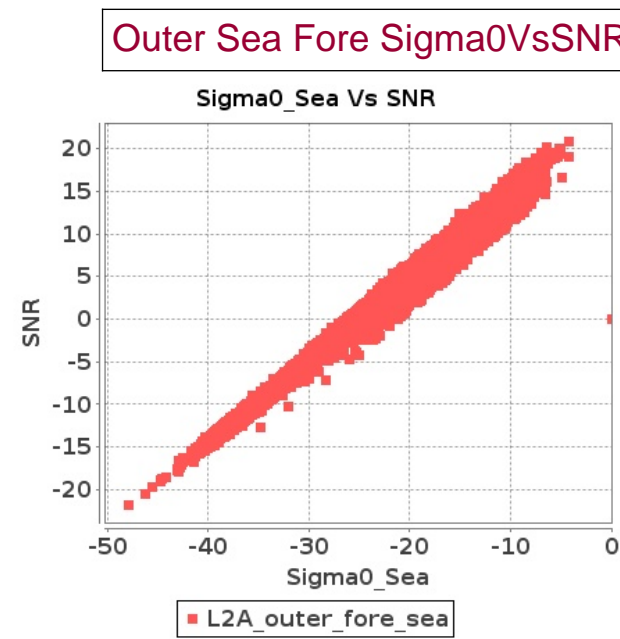
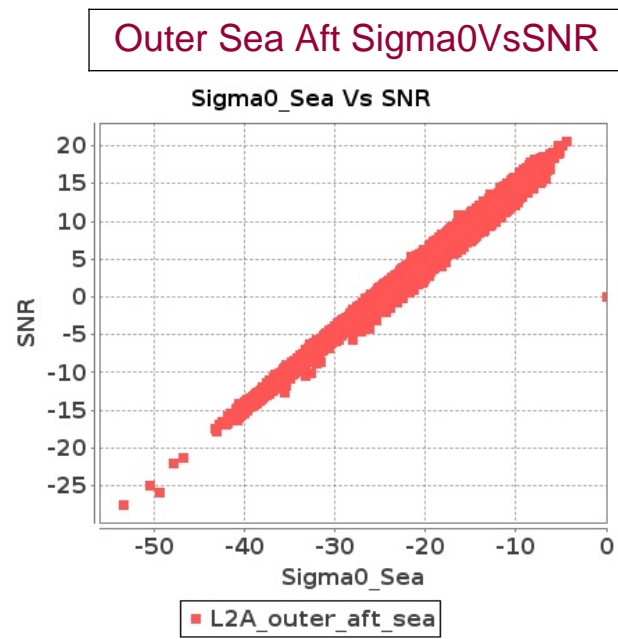
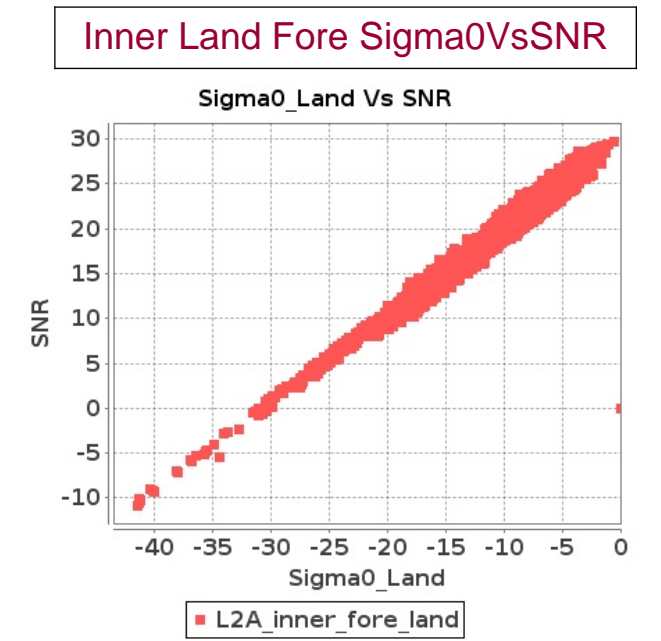
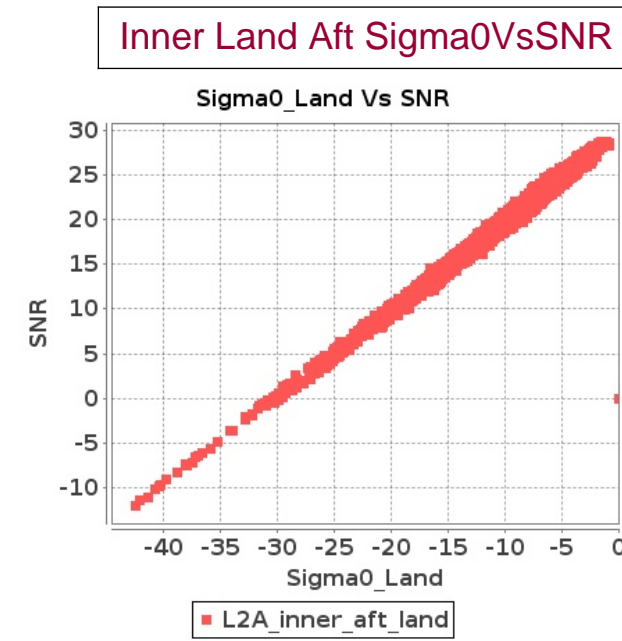
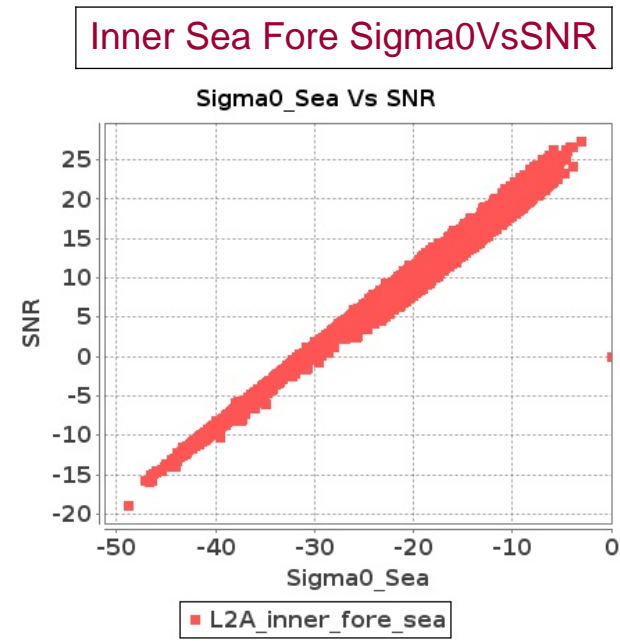
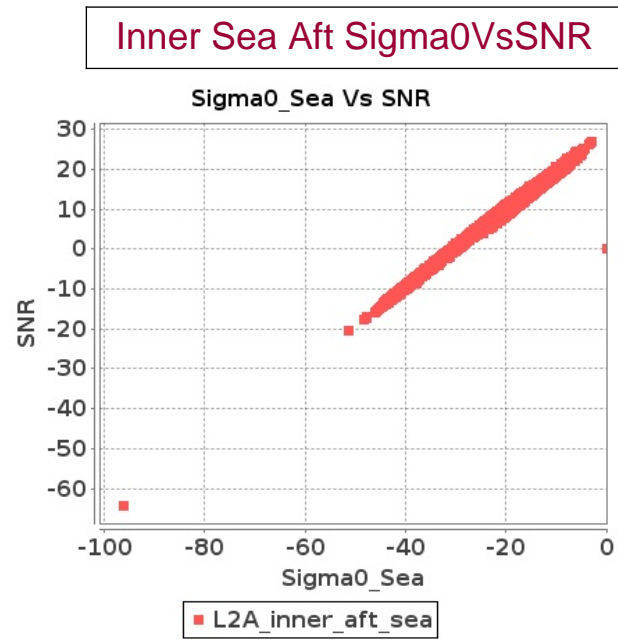


SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 30-APR-2019 To 01-MAY-2019



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

Report between 30-APR-2019 To 01-MAY-2019

| Sr No | Start Orbit | End Orbit | Dir. | Ver. | SNR | | | | | | | | | | | | Sigma0 | | | | | | | | | | | |
|-------|-------------|-----------|------|------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|
| | | | | | Inner Aft | | | Inner Fore | | | Outer Aft | | | Outer Fore | | | Inner Aft | | | Inner Fore | | | Outer Aft | | | Outer Fore | | |
| | | | | | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) |
| 1 | 13714 | 13715 | SN | 1 | 0.0 | 45.394 | 0.809 | 0.0 | 46.356 | 1.122 | 0.0 | 44.382 | 0.662 | 0.0 | 41.494 | 0.898 | 0.0 | 44.72 | 0.814 | 0.0 | 46.948 | 1.054 | 0.0 | 44.644 | 0.626 | 0.0 | 41.929 | 0.787 |
| 2 | 13714 | 13715 | NS | 1 | 0.0 | 51.398 | 2.288 | 0.0 | 48.113 | 2.927 | 0.0 | 49.631 | 1.995 | 0.0 | 47.952 | 2.607 | 0.0 | 51.3 | 2.348 | 0.0 | 48.744 | 2.833 | 0.0 | 50.918 | 1.913 | 0.0 | 46.189 | 2.258 |
| 3 | 13714 | 13715 | SN | 1 | 0.0 | 53.699 | 3.924 | 0.0 | 55.619 | 4.555 | 0.0 | 47.928 | 2.818 | 0.0 | 41.333 | 3.333 | 0.0 | 53.434 | 3.974 | 0.0 | 55.908 | 4.249 | 0.0 | 46.935 | 2.633 | 0.0 | 42.552 | 2.919 |
| 4 | 13714 | 13715 | SN | 1 | 0.0 | 51.379 | 3.903 | 0.0 | 52.179 | 4.585 | 0.0 | 41.887 | 2.74 | 0.0 | 39.371 | 3.268 | 0.0 | 52.006 | 3.995 | 0.0 | 52.467 | 4.249 | 0.0 | 41.788 | 2.526 | 0.0 | 38.423 | 2.912 |
| 5 | 13714 | 13715 | SN | 1 | 0.0 | 45.632 | 0.827 | 0.0 | 45.408 | 1.145 | 0.0 | 43.447 | 0.684 | 0.0 | 41.306 | 0.944 | 0.0 | 44.961 | 0.83 | 0.0 | 46.948 | 1.089 | 0.0 | 43.709 | 0.651 | 0.0 | 40.751 | 0.803 |
| 6 | 13714 | 13715 | SN | 1 | 0.0 | 45.895 | 0.812 | 0.0 | 45.408 | 1.117 | 0.0 | 47.928 | 0.672 | 0.0 | 41.306 | 0.921 | 0.0 | 47.1 | 0.812 | 0.0 | 46.948 | 1.06 | 0.0 | 47.027 | 0.633 | 0.0 | 40.751 | 0.787 |
| 7 | 13714 | 13715 | NS | 1 | 0.0 | 53.904 | 9.02 | 0.0 | 53.817 | 10.097 | 0.0 | 46.244 | 7.085 | 0.0 | 47.236 | 8.501 | 0.0 | 53.863 | 9.071 | 0.0 | 56.942 | 9.814 | 0.0 | 46.429 | 7.078 | 0.0 | 46.958 | 8.018 |
| 8 | 13714 | 13715 | SN | 1 | 0.0 | 53.699 | 4.01 | 0.0 | 55.619 | 4.651 | 0.0 | 42.122 | 2.897 | 0.0 | 41.333 | 3.419 | 0.0 | 53.434 | 4.062 | 0.0 | 55.908 | 4.349 | 0.0 | 41.884 | 2.7 | 0.0 | 42.552 | 2.988 |
| 9 | 13715 | 13716 | NS | 1 | 0.0 | 45.938 | 3.733 | 0.0 | 60.229 | 5.03 | 0.0 | 44.688 | 3.692 | 0.0 | 50.599 | 4.965 | 0.0 | 46.577 | 3.744 | 0.0 | 59.767 | 5.02 | 0.0 | 45.856 | 3.706 | 0.0 | 51.221 | 4.795 |
| 10 | 13715 | 13716 | NS | 1 | 0.0 | 49.304 | 1.046 | 0.0 | 51.173 | 1.556 | 0.0 | 39.252 | 1.216 | 0.0 | 45.615 | 1.665 | 0.0 | 49.849 | 1.05 | 0.0 | 50.077 | 1.493 | 0.0 | 41.361 | 1.209 | 0.0 | 43.731 | 1.637 |
| 11 | 13715 | 13716 | SN | 1 | 0.0 | 43.058 | 1.844 | 0.0 | 47.869 | 2.393 | 0.0 | 44.145 | 2.207 | 0.0 | 46.735 | 3.078 | 0.0 | 42.235 | 1.813 | 0.0 | 45.139 | 2.056 | 0.0 | 41.887 | 2.127 | 0.0 | 47.165 | 2.517 |
| 12 | 13715 | 13716 | NS | 1 | 0.0 | 48.56 | 1.025 | 0.0 | 48.865 | 1.5 | 0.0 | 41.325 | 1.208 | 0.0 | 52.833 | 1.695 | 0.0 | 49.849 | 1.043 | 0.0 | 49.49 | 1.498 | 0.0 | 41.167 | 1.197 | 0.0 | 52.454 | 1.583 |
| 13 | 13715 | 13716 | SN | 1 | 0.0 | 49.558 | 0.57 | 0.0 | 42.573 | 0.808 | 0.0 | 43.177 | 0.748 | 0.0 | 38.904 | 1.168 | 0.0 | 50.142 | 0.531 | 0.0 | 44.12 | 0.69 | 0.0 | 40.19 | 0.674 | 0.0 | 36.424 | 0.886 |
| 14 | 13715 | 13716 | SN | 1 | 0.0 | 43.366 | 1.87 | 0.0 | 45.841 | 2.372 | 0.0 | 40.879 | 2.205 | 0.0 | 43.757 | 3.03 | 0.0 | 42.54 | 1.809 | 0.0 | 43.11 | 1.977 | 0.0 | 44.767 | 2.084 | 0.0 | 46.407 | 2.433 |
| 15 | 13715 | 13716 | SN | 1 | 0.0 | 49.558 | 0.563 | 0.0 | 42.573 | 0.798 | 0.0 | 37.425 | 0.736 | 0.0 | 38.904 | 1.16 | 0.0 | 50.142 | 0.524 | 0.0 | 44.12 | 0.682 | 0.0 | 36.703 | 0.665 | 0.0 | 36.424 | 0.878 |
| 16 | 13715 | 13716 | SN | 1 | 0.0 | 52.272 | 0.577 | 0.0 | 43.72 | 0.794 | 0.0 | 40.471 | 0.728 | 0.0 | 38.118 | 1.172 | 0.0 | 52.857 | 0.542 | 0.0 | 44.662 | 0.697 | 0.0 | 41.097 | 0.662 | 0.0 | 36.138 | 0.919 |
| 17 | 13715 | 13716 | SN | 1 | 0.0 | 43.366 | 1.895 | 0.0 | 45.841 | 2.404 | 0.0 | 40.879 | 2.228 | 0.0 | 43.757 | 3.078 | 0.0 | 42.54 | 1.834 | 0.0 | 43.11 | 2.003 | 0.0 | 44.767 | 2.106 | 0.0 | 46.407 | 2.465 |
| 18 | 13715 | 13716 | NS | 1 | 0.0 | 47.856 | 3.856 | 0.0 | 58.3 | 4.922 | 0.0 | 45.265 | 3.837 | 0.0 | 49.612 | 4.927 | 0.0 | 48.136 | 3.785 | 0.0 | 58.447 | 5.034 | 0.0 | 42.917 | 3.901 | 0.0 | 47.021 | 4.799 |
| 19 | 13716 | 13717 | SN | 1 | 0.0 | 36.39 | 0.758 | 0.0 | 41.893 | 1.122 | 0.0 | 36.127 | 1.115 | 0.0 | 36.457 | 1.407 | 0.0 | 37.254 | 0.749 | 0.0 | 45.521 | 1.055 | 0.0 | 37.916 | 1.048 | 0.0 | 38.201 | 1.156 |
| 20 | 13716 | 13717 | SN | 1 | 0.0 | 44.894 | 2.639 | 0.0 | 38.748 | 3.928 | 0.0 | 41.494 | 3.222 | 0.0 | 37.818 | 3.796 | 0.0 | 44.877 | 2.629 | 0.0 | 38.178 | 3.546 | 0.0 | 40.529 | 3.128 | 0.0 | 37.093 | 3.455 |
| 21 | 13716 | 13717 | SN | 1 | 0.0 | 44.894 | 2.6 | 0.0 | 38.748 | 3.868 | 0.0 | 41.494 | 3.173 | 0.0 | 37.818 | 3.737 | 0.0 | 44.877 | 2.59 | 0.0 | 38.191 | 3.491 | 0.0 | 40.529 | 3.08 | 0.0 | 37.093 | 3.402 |
| 22 | 13716 | 13717 | NS | 1 | 0.0 | 38.101 | 0.651 | 0.0 | 40.815 | 0.823 | 0.0 | 37.574 | 0.855 | 0.0 | 40.055 | 1.345 | 0.0 | 38.238 | 0.615 | 0.0 | 40.741 | 0.712 | 0.0 | 36.654 | 0.779 | 0.0 | 38.457 | 1.124 |
| 23 | 13716 | 13717 | NS | 1 | 0.0 | 43.183 | 2.451 | 0.0 | 48.191 | 2.86 | 0.0 | 40.552 | 2.383 | 0.0 | 42.674 | 3.803 | 0.0 | 43.029 | 2.39 | 0.0 | 48.598 | 2.465 | 0.0 | 41.377 | 2.255 | 0.0 | 41.55 | 3.021 |
| 24 | 13716 | 13717 | SN | 1 | 0.0 | 36.39 | 0.746 | 0.0 | 41.893 | 1.106 | 0.0 | 36.127 | 1.098 | 0.0 | 36.457 | 1.387 | 0.0 | 37.254 | 0.737 | 0.0 | 45.521 | 1.041 | 0.0 | 37.916 | 1.032 | 0.0 | 38.201 | 1.14 |
| 25 | 13717 | 13718 | NS | 1 | 0.0 | 53.11 | 4.365 | 0.0 | 53.73 | 5.408 | 0.0 | 46.942 | 4.023 | 0.0 | 45.74 | 4.984 | 0.0 | 53.711 | 4.446 | 0.0 | 55.2 | 5.103 | 0.0 | 45.972 | 3.881 | 0.0 | 45.17 | 4.437 |
| 26 | 13717 | 13718 | SN | 1 | 0.0 | 36.356 | 2.196 | 0.0 | 36.543 | 3.092 | 0.0 | 42.459 | 3.094 | 0.0 | 41.17 | 4.651 | 0.0 | 37.128 | 2.135 | 0.0 | 35.573 | 2.814 | 0.0 | 40.215 | 2.973 | 0.0 | 38.06 | 4.262 |
| 27 | 13717 | 13718 | SN | 1 | 0.0 | 40.439 | 0.736 | 0.0 | 43.938 | 1.012 | 0.0 | 38.709 | 1.012 | 0.0 | 36.74 | 1.804 | 0.0 | 38.966 | 0.711 | 0.0 | 42.631 | 0.92 | 0.0 | 35.918 | 0.959 | 0.0 | 36.682 | 1.536 |
| 28 | 13717 | 13718 | NS | 1 | 0.0 | 60.887 | 4.283 | 0.0 | 56.664 | 5.438 | 0.0 | 48.591 | 4.03 | 0.0 | 45.513 | 4.998 | 0.0 | 61.19 | 4.436 | 0.0 | 58.413 | 5.174 | 0.0 | 47.624 | 3.931 | 0.0 | 45.708 | 4.316 |
| 29 | 13717 | 13718 | SN | 1 | 0.0 | 36.356 | 2.259 | 0.0 | 36.543 | 3.165 | 0.0 | 42.459 | 3.15 | 0.0 | 41.17 | 4.777 | 0.0 | 37.128 | 2.197 | 0.0 | 35.573 | 2.881 | 0.0 | 40.215 | 3.018 | 0.0 | 38.06 | 4.379 |
| 30 | 13717 | 13718 | NS | 1 | 0.0 | 50.024 | 1.088 | 0.0 | 45.921 | 1.619 | 0.0 | 42.193 | 1.151 | 0.0 | 39.314 | 1.507 | 0.0 | 50.995 | 1.122 | 0.0 | 47.103 | 1.497 | 0.0 | 40.277 | 1.142 | 0.0 | 40.762 | 1.315 |
| 31 | 13717 | 13718 | SN | 1 | 0.0 | 40.439 | 0.716 | 0.0 | 43.938 | 0.988 | 0.0 | 38.709 | 0.998 | 0.0 | 36.74 | 1.785 | 0.0 | 38.966 | 0.694 | 0.0 | 42.631 | 0.897 | 0.0 | 35.918 | 0.946 | 0.0 | 36.682 | 1.511 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 32 | 13717 | 13718 | NS | 1 | 0.0 | 54.53 | 1.101 | 0.0 | 48.237 | 1.61 | 0.0 | 41.404 | 1.204 | 0.0 | 47.086 | 1.508 | 0.0 | 55.507 | 1.135 | 0.0 | 47.574 | 1.472 | 0.0 | 37.96 | 1.167 | 0.0 | 44.336 | 1.326 |
| 33 | 13718 | 13719 | SN | 1 | 0.0 | 48.206 | 3.525 | 0.0 | 46.63 | 4.609 | 0.0 | 43.304 | 3.018 | 0.0 | 39.147 | 4.081 | 0.0 | 46.943 | 3.475 | 0.0 | 44.501 | 4.168 | 0.0 | 44.035 | 2.833 | 0.0 | 37.879 | 3.657 |
| 34 | 13718 | 13719 | NS | 1 | 0.0 | 51.22 | 1.345 | 0.0 | 43.147 | 1.499 | 0.0 | 47.914 | 1.248 | 0.0 | 42.3 | 1.609 | 0.0 | 51.755 | 1.381 | 0.0 | 45.597 | 1.444 | 0.0 | 48.969 | 1.246 | 0.0 | 39.935 | 1.453 |
| 35 | 13718 | 13719 | NS | 1 | 0.0 | 49.755 | 4.52 | 0.0 | 49.136 | 4.958 | 0.0 | 46.424 | 4.385 | 0.0 | 44.091 | 5.389 | 0.0 | 51.559 | 4.55 | 0.0 | 49.779 | 4.674 | 0.0 | 45.16 | 4.193 | 0.0 | 44.286 | 4.849 |
| 36 | 13718 | 13719 | SN | 1 | 0.0 | 37.345 | 0.899 | 0.0 | 38.907 | 1.213 | 0.0 | 37.92 | 0.964 | 0.0 | 38.738 | 1.488 | 0.0 | 38.427 | 0.873 | 0.0 | 37.732 | 1.081 | 0.0 | 37.08 | 0.925 | 0.0 | 36.905 | 1.274 |
| 37 | 13718 | 13719 | SN | 1 | 0.0 | 35.733 | 0.862 | 0.0 | 38.907 | 1.176 | 0.0 | 37.767 | 0.945 | 0.0 | 38.738 | 1.459 | 0.0 | 35.452 | 0.84 | 0.0 | 37.732 | 1.052 | 0.0 | 37.426 | 0.897 | 0.0 | 36.905 | 1.251 |
| 38 | 13718 | 13719 | NS | 1 | 0.0 | 51.286 | 1.356 | 0.0 | 43.37 | 1.501 | 0.0 | 43.703 | 1.207 | 0.0 | 42.3 | 1.597 | 0.0 | 51.821 | 1.367 | 0.0 | 46.744 | 1.449 | 0.0 | 44.856 | 1.219 | 0.0 | 39.935 | 1.451 |
| 39 | 13718 | 13719 | SN | 1 | 0.0 | 48.206 | 3.525 | 0.0 | 46.63 | 4.609 | 0.0 | 43.304 | 3.018 | 0.0 | 39.147 | 4.089 | 0.0 | 46.943 | 3.475 | 0.0 | 44.501 | 4.168 | 0.0 | 44.035 | 2.833 | 0.0 | 37.879 | 3.657 |
| 40 | 13718 | 13719 | SN | 1 | 0.0 | 48.206 | 3.655 | 0.0 | 46.63 | 4.76 | 0.0 | 45.146 | 3.131 | 0.0 | 39.147 | 4.19 | 0.0 | 46.943 | 3.602 | 0.0 | 44.501 | 4.313 | 0.0 | 45.878 | 2.939 | 0.0 | 37.879 | 3.787 |
| 41 | 13718 | 13719 | NS | 1 | 0.0 | 49.569 | 4.479 | 0.0 | 49.136 | 4.918 | 0.0 | 44.417 | 4.385 | 0.0 | 44.107 | 5.368 | 0.0 | 51.373 | 4.53 | 0.0 | 49.779 | 4.624 | 0.0 | 43.154 | 4.328 | 0.0 | 44.516 | 4.905 |
| 42 | 13718 | 13719 | SN | 1 | 0.0 | 35.733 | 0.862 | 0.0 | 38.907 | 1.176 | 0.0 | 37.767 | 0.945 | 0.0 | 38.738 | 1.461 | 0.0 | 35.452 | 0.84 | 0.0 | 37.732 | 1.052 | 0.0 | 37.426 | 0.897 | 0.0 | 36.905 | 1.251 |
| 43 | 13719 | 13720 | SN | 1 | 0.0 | 52.443 | 5.497 | 0.0 | 51.234 | 7.589 | 0.0 | 47.092 | 4.335 | 0.0 | 45.657 | 5.478 | 0.0 | 52.525 | 5.67 | 0.0 | 52.907 | 7.486 | 0.0 | 47.212 | 4.313 | 0.0 | 47.255 | 5.507 |
| 44 | 13719 | 13720 | SN | 1 | 0.0 | 47.143 | 1.422 | 0.0 | 48.757 | 2.261 | 0.0 | 43.059 | 1.252 | 0.0 | 41.641 | 1.926 | 0.0 | 45.819 | 1.46 | 0.0 | 50.181 | 2.142 | 0.0 | 42.23 | 1.228 | 0.0 | 44.035 | 1.648 |
| 45 | 13719 | 13720 | SN | 1 | 0.0 | 51.029 | 5.771 | 0.0 | 51.234 | 8.0 | 0.0 | 46.76 | 4.564 | 0.0 | 45.657 | 5.732 | 0.0 | 51.459 | 5.975 | 0.0 | 52.907 | 7.903 | 0.0 | 45.298 | 4.602 | 0.0 | 47.255 | 5.763 |
| 46 | 13719 | 13720 | SN | 1 | 0.0 | 47.143 | 1.34 | 0.0 | 48.395 | 2.144 | 0.0 | 43.059 | 1.187 | 0.0 | 41.641 | 1.832 | 0.0 | 45.819 | 1.374 | 0.0 | 49.82 | 2.036 | 0.0 | 42.23 | 1.164 | 0.0 | 43.626 | 1.558 |
| 47 | 13719 | 13720 | NS | 1 | 0.0 | 46.794 | 1.355 | 0.0 | 47.272 | 2.023 | 0.0 | 39.377 | 1.27 | 0.0 | 47.946 | 1.94 | 0.0 | 46.632 | 1.38 | 0.0 | 47.726 | 1.869 | 0.0 | 41.251 | 1.199 | 0.0 | 50.36 | 1.548 |
| 48 | 13719 | 13720 | NS | 1 | 0.0 | 46.976 | 1.359 | 0.0 | 48.681 | 2.012 | 0.0 | 39.467 | 1.273 | 0.0 | 47.909 | 1.956 | 0.0 | 46.026 | 1.393 | 0.0 | 47.726 | 1.853 | 0.0 | 41.343 | 1.192 | 0.0 | 50.323 | 1.538 |
| 49 | 13719 | 13720 | NS | 1 | 0.0 | 47.805 | 4.15 | 0.0 | 60.395 | 5.759 | 0.0 | 44.315 | 4.3 | 0.0 | 47.692 | 5.979 | 0.0 | 47.556 | 4.272 | 0.0 | 56.706 | 5.576 | 0.0 | 45.022 | 4.129 | 0.0 | 45.097 | 5.311 |
| 50 | 13719 | 13720 | NS | 1 | 0.0 | 47.81 | 4.189 | 0.0 | 60.514 | 5.805 | 0.0 | 42.391 | 4.37 | 0.0 | 46.982 | 6.013 | 0.0 | 47.561 | 4.321 | 0.0 | 56.826 | 5.653 | 0.0 | 42.743 | 4.179 | 0.0 | 46.081 | 5.318 |
| 51 | 13720 | 13721 | NS | 1 | 0.0 | 41.721 | 1.526 | 0.0 | 46.693 | 2.152 | 0.0 | 36.712 | 1.614 | 0.0 | 38.87 | 2.206 | 0.0 | 41.375 | 1.501 | 0.0 | 46.411 | 2.103 | 0.0 | 38.028 | 1.607 | 0.0 | 38.41 | 2.108 |
| 52 | 13720 | 13721 | SN | 1 | 0.0 | 43.514 | 1.581 | 0.0 | 47.948 | 2.079 | 0.0 | 43.488 | 1.412 | 0.0 | 49.12 | 1.931 | 0.0 | 44.544 | 1.579 | 0.0 | 47.161 | 1.917 | 0.0 | 40.099 | 1.37 | 0.0 | 45.577 | 1.751 |
| 53 | 13720 | 13721 | SN | 1 | 0.0 | 52.248 | 6.683 | 0.0 | 56.687 | 7.904 | 0.0 | 45.87 | 5.287 | 0.0 | 54.994 | 6.386 | 0.0 | 51.672 | 6.683 | 0.0 | 55.308 | 7.379 | 0.0 | 45.658 | 5.243 | 0.0 | 52.481 | 6.01 |
| 54 | 13720 | 13721 | NS | 1 | 0.0 | 41.775 | 1.531 | 0.0 | 46.466 | 2.125 | 0.0 | 36.35 | 1.614 | 0.0 | 40.564 | 2.202 | 0.0 | 41.427 | 1.504 | 0.0 | 46.409 | 2.073 | 0.0 | 37.665 | 1.612 | 0.0 | 39.461 | 2.094 |
| 55 | 13720 | 13721 | SN | 1 | 0.0 | 43.514 | 1.655 | 0.0 | 47.948 | 2.184 | 0.0 | 43.488 | 1.477 | 0.0 | 42.887 | 1.999 | 0.0 | 44.544 | 1.652 | 0.0 | 47.161 | 2.017 | 0.0 | 40.099 | 1.436 | 0.0 | 39.343 | 1.821 |
| 56 | 13720 | 13721 | NS | 1 | 0.0 | 49.343 | 4.628 | 0.0 | 50.242 | 6.658 | 0.0 | 44.233 | 5.403 | 0.0 | 45.807 | 6.581 | 0.0 | 48.103 | 4.709 | 0.0 | 50.684 | 6.304 | 0.0 | 45.068 | 5.275 | 0.0 | 43.197 | 6.155 |
| 57 | 13720 | 13721 | SN | 1 | 0.0 | 52.248 | 6.369 | 0.0 | 56.687 | 7.581 | 0.0 | 45.87 | 5.087 | 0.0 | 54.994 | 6.125 | 0.0 | 51.672 | 6.369 | 0.0 | 54.747 | 7.071 | 0.0 | 45.658 | 5.059 | 0.0 | 52.481 | 5.753 |
| 58 | 13720 | 13721 | NS | 1 | 0.0 | 49.343 | 4.598 | 0.0 | 49.323 | 6.617 | 0.0 | 44.139 | 5.403 | 0.0 | 43.328 | 6.581 | 0.0 | 48.103 | 4.649 | 0.0 | 49.762 | 6.314 | 0.0 | 45.027 | 5.268 | 0.0 | 43.196 | 6.127 |
| 59 | 13721 | 13722 | SN | 1 | 0.0 | 45.983 | 1.522 | 0.0 | 48.959 | 1.981 | 0.0 | 43.308 | 1.407 | 0.0 | 48.792 | 1.884 | 0.0 | 47.44 | 1.599 | 0.0 | 46.218 | 1.981 | 0.0 | 42.262 | 1.404 | 0.0 | 47.78 | 1.893 |
| 60 | 13721 | 13722 | SN | 1 | 0.0 | 52.505 | 5.307 | 0.0 | 51.999 | 6.338 | 0.0 | 44.269 | 5.103 | 0.0 | 52.211 | 6.035 | 0.0 | 52.727 | 5.399 | 0.0 | 50.16 | 6.379 | 0.0 | 44.126 | 5.252 | 0.0 | 49.736 | 6.042 |
| 61 | 13721 | 13722 | SN | 1 | 0.0 | 53.248 | 5.277 | 0.0 | 53.081 | 6.327 | 0.0 | 46.979 | 5.089 | 0.0 | 52.982 | 5.999 | 0.0 | 52.907 | 5.389 | 0.0 | 51.465 | 6.265 | 0.0 | 44.396 | 5.167 | 0.0 | 50.862 | 6.063 |
| 62 | 13721 | 13722 | NS | 1 | 0.0 | 51.323 | 2.832 | 0.0 | 48.064 | 4.316 | 0.0 | 54.629 | 3.527 | 0.0 | 46.576 | 4.778 | 0.0 | 51.331 | 2.862 | 0.0 | 46.861 | 4.143 | 0.0 | 54.847 | 3.456 | 0.0 | 47.27 | 4.216 |
| 63 | 13721 | 13722 | NS | 1 | 0.0 | 42.952 | 0.843 | 0.0 | 49.668 | 1.469 | 0.0 | 48.916 | 1.058 | 0.0 | 55.622 | 1.57 | 0.0 | 42.95 | 0.872 | 0.0 | 50.587 | 1.46 | 0.0 | 46.812 | 1.003 | 0.0 | 57.289 | 1.41 |
| 64 | 13721 | 13722 | SN | 1 | 0.0 | 46.048 | 1.495 | 0.0 | 44.213 | 1.963 | 0.0 | 44.521 | 1.372 | 0.0 | 50.339 | 1.882 | 0.0 | 46.238 | 1.568 | 0.0 | 45.154 | 1.967 | 0.0 | 42.877 | 1.375 | 0.0 | 49.328 | 1.871 |
| 65 | 13722 | 13723 | NS | 1 | 0.0 | 46.919 | 0.913 | 0.0 | 47.955 | 1.366 | 0.0 | 46.75 | 0.97 | 0.0 | 46.022 | 1.354 | 0.0 | 45.833 | 0.935 | 0.0 | 48.841 | 1.251 | 0.0 | 46.573 | 0.896 | 0.0 | 42.814 | 1.125 |
| 66 | 13722 | 13723 | SN | 1 | 0.0 | 41.147 | 2.346 | 0.0 | 43.406 | 3.491 | 0.0 | 38.947 | 2.931 | 0.0 | 45.889 | 3.559 | 0.0 | 41.584 | 2.366 | 0.0 | 46.241 | 3.369 | 0.0 | 37.633 | 3.13 | 0.0 | 43.189 | 3.645 |
| 67 | 13722 | 13723 | SN | 1 | 0.0 | 37.315 | 0.733 | 0.0 | 40.428 | 1.091 | 0.0 | 37.818 | 0.913 | 0.0 | 38.158 | 1.291 | 0.0 | 37.343 | 0.767 | 0.0 | 39.78 | 1.113 | 0.0 | 36.031 | 0.966 | 0.0 | 35.873 | 1.264 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 68 | 13722 | 13723 | NS | 1 | 0.0 | 48.511 | 3.756 | 0.0 | 50.898 | 4.907 | 0.0 | 48.649 | 3.504 | 0.0 | 46.145 | 4.686 | 0.0 | 49.317 | 3.787 | 0.0 | 51.48 | 4.502 | 0.0 | 47.98 | 3.518 | 0.0 | 48.878 | 4.006 |
| 69 | 13723 | 13724 | NS | 1 | 0.0 | 50.98 | 2.256 | 0.0 | 46.916 | 3.158 | 0.0 | 47.627 | 2.532 | 0.0 | 44.988 | 3.744 | 0.0 | 50.969 | 2.246 | 0.0 | 47.17 | 2.834 | 0.0 | 45.252 | 2.475 | 0.0 | 43.437 | 3.389 |
| 70 | 13723 | 13724 | NS | 1 | 0.0 | 50.98 | 2.307 | 0.0 | 46.916 | 3.148 | 0.0 | 47.627 | 2.532 | 0.0 | 44.988 | 3.765 | 0.0 | 50.969 | 2.246 | 0.0 | 47.17 | 2.834 | 0.0 | 45.252 | 2.475 | 0.0 | 43.437 | 3.425 |
| 71 | 13723 | 13724 | NS | 1 | 0.0 | 46.169 | 0.638 | 0.0 | 47.374 | 1.033 | 0.0 | 45.36 | 0.759 | 0.0 | 38.564 | 1.363 | 0.0 | 45.691 | 0.656 | 0.0 | 47.613 | 0.99 | 0.0 | 44.681 | 0.729 | 0.0 | 38.594 | 1.124 |
| 72 | 13723 | 13724 | SN | 1 | 0.0 | 47.015 | 1.341 | 0.0 | 45.541 | 1.851 | 0.0 | 43.284 | 1.385 | 0.0 | 38.073 | 1.861 | 0.0 | 45.602 | 1.386 | 0.0 | 43.435 | 1.953 | 0.0 | 41.536 | 1.436 | 0.0 | 38.583 | 1.841 |
| 73 | 13723 | 13724 | SN | 1 | 0.0 | 50.355 | 6.172 | 0.0 | 49.0 | 6.925 | 0.0 | 45.66 | 4.668 | 0.0 | 47.491 | 5.883 | 0.0 | 50.147 | 6.345 | 0.0 | 48.935 | 6.986 | 0.0 | 46.092 | 4.896 | 0.0 | 50.069 | 6.204 |
| 74 | 13723 | 13724 | NS | 1 | 0.0 | 46.169 | 0.651 | 0.0 | 47.374 | 1.042 | 0.0 | 45.36 | 0.763 | 0.0 | 38.564 | 1.356 | 0.0 | 45.691 | 0.676 | 0.0 | 47.613 | 0.992 | 0.0 | 44.681 | 0.72 | 0.0 | 38.594 | 1.122 |
| 75 | 13724 | 13725 | SN | 1 | 0.0 | 50.022 | 1.37 | 0.0 | 47.781 | 1.761 | 0.0 | 43.851 | 1.197 | 0.0 | 41.658 | 1.569 | 0.0 | 51.469 | 1.35 | 0.0 | 48.092 | 1.552 | 0.0 | 45.445 | 1.243 | 0.0 | 38.334 | 1.425 |
| 76 | 13724 | 13725 | NS | 1 | 0.0 | 38.969 | 0.738 | 0.0 | 48.814 | 1.204 | 0.0 | 36.549 | 0.925 | 0.0 | 40.886 | 1.488 | 0.0 | 38.931 | 0.717 | 0.0 | 48.867 | 1.037 | 0.0 | 35.038 | 0.867 | 0.0 | 40.956 | 1.177 |
| 77 | 13724 | 13725 | SN | 1 | 0.0 | 46.453 | 5.25 | 0.0 | 55.429 | 6.178 | 0.0 | 46.507 | 4.943 | 0.0 | 46.676 | 5.52 | 0.0 | 47.066 | 5.219 | 0.0 | 55.907 | 5.963 | 0.0 | 45.005 | 4.822 | 0.0 | 47.72 | 5.197 |
| 78 | 13724 | 13725 | NS | 1 | 0.0 | 38.969 | 0.725 | 0.0 | 48.814 | 1.191 | 0.0 | 36.549 | 0.911 | 0.0 | 40.886 | 1.466 | 0.0 | 38.931 | 0.707 | 0.0 | 48.867 | 1.025 | 0.0 | 35.038 | 0.852 | 0.0 | 40.956 | 1.159 |
| 79 | 13724 | 13725 | NS | 1 | 0.0 | 51.521 | 2.283 | 0.0 | 47.702 | 3.322 | 0.0 | 41.979 | 2.924 | 0.0 | 40.163 | 3.823 | 0.0 | 51.384 | 2.121 | 0.0 | 48.233 | 2.853 | 0.0 | 39.947 | 2.775 | 0.0 | 36.337 | 3.202 |
| 80 | 13724 | 13725 | NS | 1 | 0.0 | 51.521 | 2.302 | 0.0 | 47.702 | 3.371 | 0.0 | 41.979 | 2.967 | 0.0 | 40.163 | 3.878 | 0.0 | 51.384 | 2.158 | 0.0 | 48.233 | 2.894 | 0.0 | 39.947 | 2.808 | 0.0 | 36.337 | 3.261 |
| 81 | 13725 | 13726 | SN | 1 | 0.0 | 51.786 | 6.038 | 0.0 | 50.454 | 8.07 | 0.0 | 46.37 | 5.196 | 0.0 | 43.751 | 5.942 | 0.0 | 51.768 | 5.998 | 0.0 | 48.988 | 7.968 | 0.0 | 48.483 | 5.181 | 0.0 | 42.332 | 5.436 |
| 82 | 13725 | 13726 | NS | 1 | 0.0 | 40.165 | 1.576 | 0.0 | 42.092 | 2.244 | 0.0 | 43.242 | 3.069 | 0.0 | 37.586 | 4.051 | 0.0 | 41.011 | 1.586 | 0.0 | 41.406 | 2.05 | 0.0 | 42.372 | 2.991 | 0.0 | 35.973 | 3.302 |
| 83 | 13725 | 13726 | SN | 1 | 0.0 | 62.366 | 6.038 | 0.0 | 49.939 | 8.029 | 0.0 | 49.484 | 5.189 | 0.0 | 45.762 | 5.914 | 0.0 | 62.379 | 6.049 | 0.0 | 48.474 | 7.917 | 0.0 | 51.598 | 5.181 | 0.0 | 44.341 | 5.414 |
| 84 | 13725 | 13726 | NS | 1 | 0.0 | 41.986 | 1.586 | 0.0 | 42.092 | 2.295 | 0.0 | 43.242 | 3.055 | 0.0 | 37.456 | 4.058 | 0.0 | 42.832 | 1.616 | 0.0 | 41.406 | 2.06 | 0.0 | 42.372 | 2.998 | 0.0 | 36.444 | 3.31 |
| 85 | 13725 | 13726 | SN | 1 | 0.0 | 48.563 | 1.34 | 0.0 | 42.278 | 1.961 | 0.0 | 40.711 | 1.285 | 0.0 | 39.786 | 1.713 | 0.0 | 49.954 | 1.343 | 0.0 | 42.754 | 1.849 | 0.0 | 40.24 | 1.24 | 0.0 | 41.678 | 1.608 |
| 86 | 13725 | 13726 | NS | 1 | 0.0 | 40.165 | 1.628 | 0.0 | 42.092 | 2.321 | 0.0 | 43.242 | 3.156 | 0.0 | 37.586 | 4.191 | 0.0 | 41.011 | 1.638 | 0.0 | 41.406 | 2.12 | 0.0 | 42.372 | 3.082 | 0.0 | 35.973 | 3.416 |
| 87 | 13725 | 13726 | SN | 1 | 0.0 | 47.296 | 1.352 | 0.0 | 50.717 | 1.959 | 0.0 | 41.681 | 1.267 | 0.0 | 38.851 | 1.735 | 0.0 | 48.687 | 1.356 | 0.0 | 54.289 | 1.852 | 0.0 | 39.573 | 1.247 | 0.0 | 41.877 | 1.617 |
| 88 | 13725 | 13726 | NS | 1 | 0.0 | 42.784 | 0.624 | 0.0 | 38.686 | 0.92 | 0.0 | 39.052 | 0.985 | 0.0 | 40.931 | 1.464 | 0.0 | 42.88 | 0.617 | 0.0 | 38.453 | 0.772 | 0.0 | 40.793 | 0.884 | 0.0 | 38.934 | 1.152 |
| 89 | 13725 | 13726 | NS | 1 | 0.0 | 42.784 | 0.611 | 0.0 | 39.039 | 0.916 | 0.0 | 38.851 | 1.003 | 0.0 | 39.667 | 1.469 | 0.0 | 42.88 | 0.615 | 0.0 | 38.804 | 0.772 | 0.0 | 40.592 | 0.909 | 0.0 | 38.934 | 1.148 |
| 90 | 13725 | 13726 | NS | 1 | 0.0 | 42.784 | 0.633 | 0.0 | 39.039 | 0.946 | 0.0 | 38.851 | 1.029 | 0.0 | 39.667 | 1.516 | 0.0 | 42.88 | 0.633 | 0.0 | 38.804 | 0.795 | 0.0 | 40.592 | 0.932 | 0.0 | 38.934 | 1.186 |
| 91 | 13726 | 13727 | NS | 1 | 0.0 | 39.442 | 1.231 | 0.0 | 41.376 | 1.564 | 0.0 | 37.467 | 1.301 | 0.0 | 38.115 | 1.898 | 0.0 | 39.387 | 1.186 | 0.0 | 43.332 | 1.33 | 0.0 | 35.298 | 1.21 | 0.0 | 39.382 | 1.543 |
| 92 | 13726 | 13727 | NS | 1 | 0.0 | 38.952 | 4.169 | 0.0 | 43.488 | 5.309 | 0.0 | 42.812 | 4.481 | 0.0 | 41.484 | 6.009 | 0.0 | 40.445 | 4.125 | 0.0 | 43.814 | 4.774 | 0.0 | 40.02 | 4.245 | 0.0 | 39.125 | 5.029 |
| 93 | 13726 | 13727 | SN | 1 | 0.0 | 49.035 | 4.227 | 0.0 | 40.357 | 4.688 | 0.0 | 42.742 | 4.036 | 0.0 | 43.455 | 5.529 | 0.0 | 49.336 | 4.248 | 0.0 | 41.495 | 4.403 | 0.0 | 43.66 | 3.929 | 0.0 | 40.162 | 4.986 |
| 94 | 13726 | 13727 | NS | 1 | 0.0 | 38.952 | 3.881 | 0.0 | 43.488 | 4.945 | 0.0 | 42.812 | 4.191 | 0.0 | 41.305 | 5.593 | 0.0 | 40.445 | 3.841 | 0.0 | 43.814 | 4.446 | 0.0 | 40.02 | 3.965 | 0.0 | 39.125 | 4.681 |
| 95 | 13726 | 13727 | NS | 1 | 0.0 | 39.442 | 1.325 | 0.0 | 41.319 | 1.677 | 0.0 | 37.467 | 1.39 | 0.0 | 37.837 | 2.035 | 0.0 | 39.476 | 1.274 | 0.0 | 43.272 | 1.423 | 0.0 | 35.297 | 1.287 | 0.0 | 39.384 | 1.643 |
| 96 | 13726 | 13727 | SN | 1 | 0.0 | 38.813 | 1.007 | 0.0 | 42.116 | 1.355 | 0.0 | 36.935 | 1.228 | 0.0 | 43.69 | 1.657 | 0.0 | 39.325 | 1.003 | 0.0 | 41.49 | 1.316 | 0.0 | 35.447 | 1.173 | 0.0 | 39.665 | 1.501 |
| 97 | 13726 | 13727 | NS | 1 | 0.0 | 39.442 | 1.224 | 0.0 | 41.319 | 1.564 | 0.0 | 37.467 | 1.297 | 0.0 | 37.837 | 1.894 | 0.0 | 39.476 | 1.179 | 0.0 | 43.272 | 1.33 | 0.0 | 35.297 | 1.205 | 0.0 | 39.384 | 1.531 |
| 98 | 13726 | 13727 | SN | 1 | 0.0 | 48.497 | 4.197 | 0.0 | 40.347 | 4.698 | 0.0 | 44.875 | 4.028 | 0.0 | 45.182 | 5.493 | 0.0 | 48.81 | 4.227 | 0.0 | 41.723 | 4.464 | 0.0 | 44.042 | 3.929 | 0.0 | 42.903 | 5.008 |
| 99 | 13726 | 13727 | NS | 1 | 0.0 | 38.952 | 3.881 | 0.0 | 43.488 | 4.934 | 0.0 | 42.813 | 4.22 | 0.0 | 41.305 | 5.593 | 0.0 | 40.445 | 3.841 | 0.0 | 43.812 | 4.446 | 0.0 | 40.02 | 3.986 | 0.0 | 39.123 | 4.674 |
| 100 | 13726 | 13727 | SN | 1 | 0.0 | 48.687 | 0.993 | 0.0 | 42.116 | 1.339 | 0.0 | 37.252 | 1.235 | 0.0 | 43.689 | 1.657 | 0.0 | 47.678 | 0.982 | 0.0 | 41.49 | 1.318 | 0.0 | 35.996 | 1.167 | 0.0 | 39.67 | 1.485 |
| 101 | 13727 | 13728 | NS | 1 | 0.0 | 52.217 | 4.12 | 0.0 | 57.674 | 5.308 | 0.0 | 44.19 | 3.9 | 0.0 | 49.558 | 5.614 | 0.0 | 53.53 | 4.1 | 0.0 | 56.769 | 5.084 | 0.0 | 42.489 | 3.752 | 0.0 | 49.197 | 5.016 |
| 102 | 13727 | 13728 | SN | 1 | 0.0 | 42.032 | 4.173 | 0.0 | 53.501 | 4.946 | 0.0 | 38.183 | 3.991 | 0.0 | 36.63 | 4.793 | 0.0 | 43.178 | 4.245 | 0.0 | 51.498 | 5.007 | 0.0 | 37.565 | 3.912 | 0.0 | 38.766 | 4.928 |
| 103 | 13727 | 13728 | NS | 1 | 0.0 | 52.217 | 4.12 | 0.0 | 57.674 | 5.308 | 0.0 | 44.19 | 3.9 | 0.0 | 49.558 | 5.614 | 0.0 | 53.53 | 4.1 | 0.0 | 56.769 | 5.084 | 0.0 | 42.489 | 3.752 | 0.0 | 49.197 | 5.016 |

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

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|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 104 | 13727 | 13728 | SN | 1 | 0.0 | 43.367 | 4.173 | 0.0 | 53.503 | 4.916 | 0.0 | 38.186 | 3.976 | 0.0 | 39.947 | 4.8 | 0.0 | 43.325 | 4.224 | 0.0 | 51.498 | 4.977 | 0.0 | 37.568 | 3.891 | 0.0 | 38.979 | 4.907 |
| 105 | 13727 | 13728 | SN | 1 | 0.0 | 38.619 | 1.034 | 0.0 | 41.252 | 1.426 | 0.0 | 43.902 | 1.229 | 0.0 | 37.445 | 1.577 | 0.0 | 38.114 | 1.022 | 0.0 | 39.897 | 1.363 | 0.0 | 43.542 | 1.186 | 0.0 | 35.831 | 1.549 |
| 106 | 13727 | 13728 | NS | 1 | 0.0 | 52.217 | 4.586 | 0.0 | 57.674 | 5.964 | 0.0 | 44.19 | 4.288 | 0.0 | 49.558 | 6.378 | 0.0 | 53.53 | 4.586 | 0.0 | 56.769 | 5.732 | 0.0 | 42.888 | 4.2 | 0.0 | 49.197 | 5.695 |
| 107 | 13727 | 13728 | SN | 1 | 0.0 | 43.367 | 4.492 | 0.0 | 53.503 | 5.292 | 0.0 | 39.012 | 4.258 | 0.0 | 39.947 | 5.181 | 0.0 | 41.189 | 4.537 | 0.0 | 51.498 | 5.392 | 0.0 | 38.394 | 4.219 | 0.0 | 38.979 | 5.361 |
| 108 | 13727 | 13728 | NS | 1 | 0.0 | 47.491 | 1.172 | 0.0 | 42.533 | 1.635 | 0.0 | 45.417 | 1.097 | 0.0 | 40.723 | 1.803 | 0.0 | 46.852 | 1.156 | 0.0 | 42.595 | 1.488 | 0.0 | 45.166 | 1.06 | 0.0 | 39.515 | 1.485 |
| 109 | 13727 | 13728 | SN | 1 | 0.0 | 38.429 | 1.139 | 0.0 | 41.252 | 1.543 | 0.0 | 43.902 | 1.326 | 0.0 | 38.732 | 1.726 | 0.0 | 38.74 | 1.135 | 0.0 | 39.9 | 1.474 | 0.0 | 43.273 | 1.277 | 0.0 | 36.327 | 1.699 |
| 110 | 13727 | 13728 | NS | 1 | 0.0 | 47.491 | 1.328 | 0.0 | 42.533 | 1.849 | 0.0 | 45.417 | 1.243 | 0.0 | 40.723 | 2.029 | 0.0 | 46.852 | 1.302 | 0.0 | 42.595 | 1.682 | 0.0 | 45.166 | 1.203 | 0.0 | 39.515 | 1.679 |
| 111 | 13727 | 13728 | NS | 1 | 0.0 | 47.491 | 1.174 | 0.0 | 42.533 | 1.635 | 0.0 | 45.417 | 1.099 | 0.0 | 40.723 | 1.803 | 0.0 | 46.852 | 1.156 | 0.0 | 42.595 | 1.488 | 0.0 | 45.166 | 1.062 | 0.0 | 39.515 | 1.485 |
| 112 | 13727 | 13728 | SN | 1 | 0.0 | 37.442 | 1.036 | 0.0 | 41.252 | 1.428 | 0.0 | 43.902 | 1.222 | 0.0 | 38.732 | 1.579 | 0.0 | 37.248 | 1.031 | 0.0 | 39.9 | 1.36 | 0.0 | 43.273 | 1.181 | 0.0 | 36.327 | 1.547 |
| 113 | 13728 | 13729 | SN | 1 | 0.0 | 49.526 | 2.319 | 0.0 | 48.942 | 2.676 | 0.0 | 43.186 | 1.977 | 0.0 | 46.155 | 2.464 | 0.0 | 51.056 | 2.297 | 0.0 | 47.265 | 2.482 | 0.0 | 43.201 | 1.835 | 0.0 | 45.857 | 2.057 |
| 114 | 13728 | 13729 | NS | 1 | 0.0 | 44.663 | 2.456 | 0.0 | 50.765 | 2.866 | 0.0 | 47.86 | 2.212 | 0.0 | 47.346 | 2.896 | 0.0 | 44.866 | 2.501 | 0.0 | 50.996 | 2.803 | 0.0 | 46.359 | 2.205 | 0.0 | 45.375 | 2.636 |
| 115 | 13728 | 13729 | SN | 1 | 0.0 | 49.526 | 2.184 | 0.0 | 48.942 | 2.556 | 0.0 | 43.186 | 1.963 | 0.0 | 46.155 | 2.336 | 0.0 | 51.056 | 2.174 | 0.0 | 47.839 | 2.362 | 0.0 | 43.201 | 1.814 | 0.0 | 45.857 | 1.949 |
| 116 | 13728 | 13729 | SN | 1 | 0.0 | 46.416 | 0.52 | 0.0 | 43.29 | 0.704 | 0.0 | 38.887 | 0.547 | 0.0 | 44.752 | 0.746 | 0.0 | 45.776 | 0.514 | 0.0 | 42.202 | 0.642 | 0.0 | 37.275 | 0.51 | 0.0 | 45.5 | 0.572 |
| 117 | 13728 | 13729 | NS | 1 | 0.0 | 44.665 | 2.449 | 0.0 | 50.861 | 2.868 | 0.0 | 45.932 | 2.217 | 0.0 | 47.032 | 2.879 | 0.0 | 44.866 | 2.501 | 0.0 | 51.095 | 2.812 | 0.0 | 44.432 | 2.205 | 0.0 | 45.542 | 2.622 |
| 118 | 13728 | 13729 | SN | 1 | 0.0 | 46.416 | 0.52 | 0.0 | 43.29 | 0.704 | 0.0 | 38.887 | 0.547 | 0.0 | 44.752 | 0.746 | 0.0 | 45.776 | 0.514 | 0.0 | 42.202 | 0.642 | 0.0 | 37.275 | 0.51 | 0.0 | 45.5 | 0.572 |
| 119 | 13728 | 13729 | NS | 1 | 0.0 | 53.726 | 7.461 | 0.0 | 57.169 | 8.152 | 0.0 | 48.647 | 7.525 | 0.0 | 48.472 | 8.897 | 0.0 | 56.709 | 7.583 | 0.0 | 57.424 | 7.939 | 0.0 | 51.176 | 7.589 | 0.0 | 46.5 | 8.592 |
| 120 | 13728 | 13729 | NS | 1 | 0.0 | 54.052 | 7.431 | 0.0 | 57.073 | 8.162 | 0.0 | 51.975 | 7.475 | 0.0 | 51.639 | 8.925 | 0.0 | 57.036 | 7.603 | 0.0 | 57.327 | 7.99 | 0.0 | 51.378 | 7.525 | 0.0 | 49.313 | 8.613 |
| 121 | 13728 | 13729 | SN | 1 | 0.0 | 49.526 | 2.184 | 0.0 | 48.942 | 2.556 | 0.0 | 43.186 | 1.963 | 0.0 | 46.155 | 2.336 | 0.0 | 51.056 | 2.174 | 0.0 | 47.839 | 2.362 | 0.0 | 43.201 | 1.814 | 0.0 | 45.857 | 1.949 |
| 122 | 13728 | 13729 | SN | 1 | 0.0 | 46.416 | 0.547 | 0.0 | 43.29 | 0.744 | 0.0 | 38.887 | 0.57 | 0.0 | 44.752 | 0.783 | 0.0 | 45.776 | 0.54 | 0.0 | 42.202 | 0.677 | 0.0 | 37.275 | 0.537 | 0.0 | 45.5 | 0.602 |
| 123 | 13729 | 13730 | SN | 1 | 0.0 | 55.307 | 3.684 | 0.0 | 55.991 | 4.381 | 0.0 | 46.053 | 3.214 | 0.0 | 47.719 | 3.936 | 0.0 | 56.046 | 3.684 | 0.0 | 55.371 | 4.205 | 0.0 | 47.288 | 3.192 | 0.0 | 46.071 | 3.465 |
| 124 | 13729 | 13730 | SN | 1 | 0.0 | 48.433 | 1.01 | 0.0 | 43.932 | 1.301 | 0.0 | 42.354 | 0.932 | 0.0 | 46.144 | 1.207 | 0.0 | 47.736 | 1.031 | 0.0 | 45.147 | 1.276 | 0.0 | 42.474 | 0.904 | 0.0 | 45.519 | 1.044 |
| 125 | 13729 | 13730 | SN | 1 | 0.0 | 48.433 | 0.994 | 0.0 | 43.932 | 1.283 | 0.0 | 42.354 | 0.915 | 0.0 | 46.144 | 1.188 | 0.0 | 47.736 | 1.015 | 0.0 | 45.147 | 1.26 | 0.0 | 42.474 | 0.892 | 0.0 | 45.519 | 1.027 |
| 126 | 13729 | 13730 | NS | 1 | 0.0 | 53.457 | 5.343 | 0.0 | 48.884 | 6.256 | 0.0 | 50.528 | 5.169 | 0.0 | 50.367 | 6.423 | 0.0 | 54.373 | 5.332 | 0.0 | 51.74 | 6.134 | 0.0 | 47.535 | 5.155 | 0.0 | 50.533 | 5.984 |
| 127 | 13729 | 13730 | NS | 1 | 0.0 | 50.305 | 1.714 | 0.0 | 55.746 | 2.142 | 0.0 | 43.007 | 1.626 | 0.0 | 44.249 | 1.862 | 0.0 | 49.289 | 1.71 | 0.0 | 55.025 | 2.074 | 0.0 | 44.351 | 1.624 | 0.0 | 44.506 | 1.818 |
| 128 | 13729 | 13730 | SN | 1 | 0.0 | 55.307 | 3.626 | 0.0 | 55.991 | 4.324 | 0.0 | 46.053 | 3.168 | 0.0 | 47.719 | 3.868 | 0.0 | 56.046 | 3.636 | 0.0 | 55.371 | 4.151 | 0.0 | 47.288 | 3.139 | 0.0 | 46.071 | 3.426 |
| 129 | 13729 | 13730 | SN | 1 | 0.0 | 55.307 | 3.626 | 0.0 | 55.991 | 4.324 | 0.0 | 46.053 | 3.168 | 0.0 | 47.719 | 3.868 | 0.0 | 56.046 | 3.636 | 0.0 | 55.371 | 4.151 | 0.0 | 47.288 | 3.139 | 0.0 | 46.071 | 3.426 |
| 130 | 13729 | 13730 | SN | 1 | 0.0 | 48.433 | 0.994 | 0.0 | 43.932 | 1.283 | 0.0 | 42.354 | 0.915 | 0.0 | 46.144 | 1.188 | 0.0 | 47.736 | 1.015 | 0.0 | 45.147 | 1.26 | 0.0 | 42.474 | 0.892 | 0.0 | 45.519 | 1.027 |
| 131 | 13729 | 13730 | NS | 1 | 0.0 | 49.849 | 1.678 | 0.0 | 52.114 | 2.128 | 0.0 | 43.005 | 1.607 | 0.0 | 46.333 | 1.841 | 0.0 | 50.291 | 1.701 | 0.0 | 52.64 | 2.027 | 0.0 | 40.775 | 1.603 | 0.0 | 45.317 | 1.813 |
| 132 | 13729 | 13730 | NS | 1 | 0.0 | 52.844 | 5.272 | 0.0 | 51.057 | 6.235 | 0.0 | 49.043 | 5.184 | 0.0 | 49.45 | 6.388 | 0.0 | 53.758 | 5.332 | 0.0 | 51.608 | 6.154 | 0.0 | 44.794 | 5.134 | 0.0 | 47.903 | 6.069 |
| 133 | 13730 | 13731 | NS | 1 | 0.0 | 45.018 | 2.115 | 0.0 | 39.831 | 2.338 | 0.0 | 38.421 | 2.305 | 0.0 | 51.363 | 3.254 | 0.0 | 44.906 | 2.064 | 0.0 | 39.759 | 2.105 | 0.0 | 38.088 | 2.312 | 0.0 | 49.967 | 2.765 |
| 134 | 13730 | 13731 | SN | 1 | 0.0 | 42.12 | 2.249 | 0.0 | 46.622 | 2.418 | 0.0 | 42.838 | 2.505 | 0.0 | 41.995 | 3.143 | 0.0 | 41.497 | 2.176 | 0.0 | 47.174 | 2.033 | 0.0 | 44.527 | 2.221 | 0.0 | 43.262 | 2.494 |
| 135 | 13730 | 13731 | NS | 1 | 0.0 | 43.864 | 2.043 | 0.0 | 43.738 | 2.096 | 0.0 | 39.521 | 2.446 | 0.0 | 45.428 | 3.234 | 0.0 | 43.456 | 2.094 | 0.0 | 43.972 | 1.924 | 0.0 | 38.636 | 2.333 | 0.0 | 41.774 | 2.816 |
| 136 | 13730 | 13731 | NS | 1 | 0.0 | 37.606 | 0.593 | 0.0 | 38.109 | 0.71 | 0.0 | 35.216 | 0.809 | 0.0 | 47.323 | 1.131 | 0.0 | 37.793 | 0.572 | 0.0 | 37.981 | 0.643 | 0.0 | 33.35 | 0.777 | 0.0 | 47.903 | 0.917 |
| 137 | 13730 | 13731 | NS | 1 | 0.0 | 37.883 | 0.626 | 0.0 | 40.349 | 0.629 | 0.0 | 36.936 | 0.715 | 0.0 | 41.214 | 1.091 | 0.0 | 35.801 | 0.579 | 0.0 | 37.138 | 0.541 | 0.0 | 35.365 | 0.729 | 0.0 | 38.449 | 0.928 |
| 138 | 13730 | 13731 | SN | 1 | 0.0 | 48.104 | 0.49 | 0.0 | 49.369 | 0.725 | 0.0 | 37.987 | 0.799 | 0.0 | 36.608 | 1.176 | 0.0 | 48.605 | 0.472 | 0.0 | 49.493 | 0.61 | 0.0 | 39.298 | 0.701 | 0.0 | 36.106 | 0.833 |
| 139 | 13730 | 13731 | SN | 1 | 0.0 | 42.12 | 2.249 | 0.0 | 46.622 | 2.418 | 0.0 | 42.646 | 2.512 | 0.0 | 42.038 | 3.136 | 0.0 | 41.497 | 2.176 | 0.0 | 47.174 | 2.033 | 0.0 | 44.524 | 2.206 | 0.0 | 43.306 | 2.509 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|--------|-------|-------|--------|--------|-----|--------|-------|-----|--------|-------|-----|--------|--------|-------|--------|--------|-----|--------|-------|-----|--------|-------|
| 140 | 13730 | 13731 | SN | 1 | 0.0 | 42.12 | 2.221 | 0.0 | 46.622 | 2.387 | 0.0 | 42.838 | 2.453 | 0.0 | 41.995 | 3.096 | 0.0 | 41.497 | 2.149 | 0.0 | 47.174 | 2.007 | 0.0 | 44.527 | 2.172 | 0.0 | 43.262 | 2.462 |
| 141 | 13730 | 13731 | SN | 1 | 0.0 | 48.104 | 0.496 | 0.0 | 49.369 | 0.733 | 0.0 | 37.987 | 0.829 | 0.0 | 36.608 | 1.19 | 0.0 | 48.605 | 0.477 | 0.0 | 49.493 | 0.617 | 0.0 | 39.298 | 0.712 | 0.0 | 36.106 | 0.845 |
| 142 | 13730 | 13731 | SN | 1 | 0.0 | 48.104 | 0.498 | 0.0 | 49.369 | 0.733 | 0.0 | 38.7 | 0.821 | 0.0 | 37.25 | 1.19 | 0.0 | 48.605 | 0.48 | 0.0 | 49.495 | 0.619 | 0.0 | 39.298 | 0.708 | 0.0 | 36.123 | 0.848 |
| 143 | 13731 | 13732 | SN | 1 | 0.0 | 43.806 | 0.818 | 0.0 | 36.494 | 1.497 | 0.0 | 36.189 | 1.247 | 0.0 | 39.312 | 1.853 | 0.0 | 44.293 | 0.841 | 0.0 | 35.965 | 1.338 | 0.0 | 36.96 | 1.238 | 0.0 | 34.635 | 1.664 |
| 144 | 13731 | 13732 | NS | 1 | 0.0 | 48.144 | 1.505 | 0.0 | 43.952 | 2.039 | 0.0 | 37.298 | 1.487 | 0.0 | 39.472 | 1.871 | 0.0 | 46.755 | 1.544 | 0.0 | 43.544 | 2.032 | 0.0 | 37.206 | 1.561 | 0.0 | 38.099 | 1.837 |
| 145 | 13731 | 13732 | SN | 1 | 0.0 | 45.686 | 3.624 | 0.0 | 41.41 | 4.433 | 0.0 | 41.597 | 3.698 | 0.0 | 37.7 | 5.242 | 0.0 | 46.773 | 3.634 | 0.0 | 43.477 | 4.109 | 0.0 | 41.039 | 3.749 | 0.0 | 38.97 | 4.978 |
| 146 | 13731 | 13732 | NS | 1 | 0.0 | 52.363 | 4.444 | 0.0 | 47.405 | 6.023 | 0.0 | 46.472 | 4.56 | 0.0 | 46.218 | 5.731 | 0.0 | 51.566 | 4.504 | 0.0 | 46.147 | 6.105 | 0.0 | 46.736 | 4.667 | 0.0 | 45.032 | 5.639 |
| 147 | 13733 | 13734 | NS | 1 | 0.0 | 48.367 | 4.892 | 0.0 | 55.427 | 5.526 | 0.0 | 42.16 | 4.135 | 0.0 | 46.455 | 5.623 | 0.0 | 49.313 | 4.892 | 0.0 | 55.355 | 5.243 | 0.0 | 42.631 | 4.057 | 0.0 | 44.663 | 4.772 |
| 148 | 13733 | 13734 | SN | 1 | 0.0 | 48.447 | 4.773 | 0.0 | 51.311 | 6.073 | 0.0 | 40.273 | 4.078 | 0.0 | 42.221 | 5.19 | 0.0 | 50.562 | 4.826 | 0.0 | 52.082 | 5.891 | 0.0 | 41.165 | 3.929 | 0.0 | 41.46 | 4.995 |
| 149 | 13733 | 13734 | SN | 1 | 0.0 | 44.632 | 1.189 | 0.0 | 47.558 | 1.57 | 0.0 | 41.345 | 1.152 | 0.0 | 39.063 | 1.713 | 0.0 | 45.471 | 1.208 | 0.0 | 46.018 | 1.524 | 0.0 | 40.867 | 1.126 | 0.0 | 38.487 | 1.55 |
| 150 | 13733 | 13734 | NS | 1 | 0.0 | 46.296 | 1.332 | 0.0 | 47.365 | 1.739 | 0.0 | 42.078 | 1.184 | 0.0 | 42.648 | 1.807 | 0.0 | 47.712 | 1.319 | 0.0 | 48.674 | 1.59 | 0.0 | 43.919 | 1.161 | 0.0 | 40.196 | 1.472 |
| 151 | 13734 | 13735 | SN | 1 | 0.0 | 52.663 | 1.753 | 0.0 | 48.3 | 2.463 | 0.0 | 44.246 | 1.562 | 0.0 | 47.067 | 2.12 | 0.0 | 52.967 | 1.765 | 0.0 | 47.296 | 2.342 | 0.0 | 46.291 | 1.541 | 0.0 | 46.013 | 2.043 |
| 152 | 13734 | 13735 | SN | 1 | 0.0 | 56.453 | 7.033 | 0.0 | 52.72 | 8.38 | 0.0 | 46.651 | 6.218 | 0.0 | 49.83 | 7.453 | 0.0 | 57.128 | 7.079 | 0.0 | 53.226 | 8.102 | 0.0 | 47.891 | 5.961 | 0.0 | 49.771 | 7.223 |
| 153 | 13734 | 13735 | SN | 1 | 0.0 | 56.452 | 6.551 | 0.0 | 53.582 | 7.858 | 0.0 | 50.028 | 5.825 | 0.0 | 49.83 | 6.979 | 0.0 | 57.128 | 6.573 | 0.0 | 54.112 | 7.589 | 0.0 | 50.273 | 5.601 | 0.0 | 49.773 | 6.703 |
| 154 | 13734 | 13735 | SN | 1 | 0.0 | 55.904 | 6.562 | 0.0 | 52.72 | 7.802 | 0.0 | 46.651 | 5.855 | 0.0 | 49.83 | 6.947 | 0.0 | 56.58 | 6.605 | 0.0 | 53.226 | 7.532 | 0.0 | 47.891 | 5.593 | 0.0 | 49.771 | 6.711 |
| 155 | 13734 | 13735 | SN | 1 | 0.0 | 52.663 | 1.876 | 0.0 | 48.3 | 2.639 | 0.0 | 44.496 | 1.664 | 0.0 | 47.067 | 2.267 | 0.0 | 52.967 | 1.889 | 0.0 | 47.296 | 2.51 | 0.0 | 46.54 | 1.652 | 0.0 | 46.013 | 2.193 |
| 156 | 13734 | 13735 | SN | 1 | 0.0 | 52.663 | 1.772 | 0.0 | 48.3 | 2.442 | 0.0 | 47.692 | 1.577 | 0.0 | 47.067 | 2.096 | 0.0 | 52.965 | 1.784 | 0.0 | 47.294 | 2.33 | 0.0 | 47.283 | 1.556 | 0.0 | 46.013 | 2.029 |
| 157 | 13735 | 13736 | SN | 1 | 0.0 | 44.555 | 2.926 | 0.0 | 53.54 | 3.401 | 0.0 | 44.45 | 2.246 | 0.0 | 46.447 | 2.798 | 0.0 | 44.222 | 2.957 | 0.0 | 50.166 | 3.436 | 0.0 | 42.073 | 2.259 | 0.0 | 47.695 | 2.86 |
| 158 | 13735 | 13736 | SN | 1 | 0.0 | 55.752 | 10.53 | 0.226 | 53.746 | 10.841 | 0.0 | 46.894 | 8.394 | 0.0 | 49.829 | 9.429 | 0.0 | 55.48 | 10.748 | 0.296 | 55.963 | 10.885 | 0.0 | 48.721 | 8.675 | 0.0 | 51.237 | 9.737 |
| 159 | 13735 | 13736 | SN | 1 | 0.0 | 55.752 | 9.84 | 0.226 | 53.746 | 10.159 | 0.0 | 46.894 | 7.852 | 0.0 | 49.829 | 8.83 | 0.0 | 55.48 | 10.043 | 0.296 | 55.963 | 10.169 | 0.0 | 48.721 | 8.115 | 0.0 | 51.237 | 9.096 |
| 160 | 13735 | 13736 | SN | 1 | 0.0 | 55.752 | 9.84 | 0.226 | 53.746 | 10.159 | 0.0 | 46.894 | 7.852 | 0.0 | 49.829 | 8.83 | 0.0 | 55.48 | 10.043 | 0.296 | 55.963 | 10.169 | 0.0 | 48.721 | 8.115 | 0.0 | 51.237 | 9.096 |
| 161 | 13735 | 13736 | NS | 1 | 0.0 | 46.899 | 0.925 | 0.0 | 42.904 | 1.483 | 0.0 | 40.756 | 1.078 | 0.0 | 44.629 | 1.94 | 0.0 | 46.951 | 0.971 | 0.0 | 41.024 | 1.329 | 0.0 | 40.99 | 0.992 | 0.0 | 42.565 | 1.602 |
| 162 | 13735 | 13736 | NS | 1 | 0.0 | 41.204 | 0.934 | 0.0 | 42.904 | 1.474 | 0.0 | 38.978 | 1.094 | 0.0 | 39.266 | 1.917 | 0.0 | 40.744 | 0.984 | 0.0 | 39.995 | 1.324 | 0.0 | 39.212 | 1.029 | 0.0 | 38.41 | 1.603 |
| 163 | 13735 | 13736 | NS | 1 | 0.0 | 45.587 | 3.781 | 0.0 | 43.072 | 5.697 | 0.0 | 45.49 | 3.582 | 0.0 | 50.811 | 5.502 | 0.0 | 45.785 | 3.802 | 0.0 | 42.655 | 5.241 | 0.0 | 45.741 | 3.567 | 0.0 | 51.219 | 4.857 |
| 164 | 13735 | 13736 | NS | 1 | 0.0 | 46.017 | 3.842 | 0.0 | 52.79 | 5.626 | 0.0 | 43.011 | 3.468 | 0.0 | 45.964 | 5.488 | 0.0 | 46.215 | 3.822 | 0.0 | 51.653 | 5.16 | 0.0 | 43.26 | 3.475 | 0.0 | 46.427 | 4.836 |
| 165 | 13735 | 13736 | SN | 1 | 0.0 | 44.555 | 2.734 | 0.0 | 53.54 | 3.186 | 0.0 | 44.45 | 2.097 | 0.0 | 46.447 | 2.63 | 0.0 | 44.222 | 2.764 | 0.0 | 50.166 | 3.214 | 0.0 | 42.073 | 2.113 | 0.0 | 47.695 | 2.673 |
| 166 | 13735 | 13736 | SN | 1 | 0.0 | 44.555 | 2.734 | 0.0 | 53.54 | 3.186 | 0.0 | 44.45 | 2.097 | 0.0 | 46.447 | 2.63 | 0.0 | 44.222 | 2.764 | 0.0 | 50.166 | 3.214 | 0.0 | 42.073 | 2.113 | 0.0 | 47.695 | 2.673 |
| 167 | 13736 | 13737 | SN | 1 | 0.0 | 49.812 | 1.333 | 0.0 | 46.84 | 1.913 | 0.0 | 47.487 | 1.368 | 0.0 | 46.292 | 1.877 | 0.0 | 49.139 | 1.379 | 0.0 | 45.867 | 1.862 | 0.0 | 50.087 | 1.397 | 0.0 | 44.024 | 1.847 |
| 168 | 13736 | 13737 | NS | 1 | 0.0 | 43.639 | 0.621 | 0.0 | 43.389 | 0.827 | 0.0 | 42.228 | 0.626 | 0.0 | 38.567 | 1.083 | 0.0 | 42.989 | 0.603 | 0.0 | 44.045 | 0.769 | 0.0 | 40.943 | 0.587 | 0.0 | 36.507 | 0.908 |
| 169 | 13736 | 13737 | NS | 1 | 0.0 | 43.802 | 0.624 | 0.0 | 39.005 | 0.873 | 0.0 | 40.859 | 0.631 | 0.0 | 38.994 | 1.093 | 0.0 | 45.472 | 0.619 | 0.0 | 38.097 | 0.778 | 0.0 | 40.392 | 0.571 | 0.0 | 38.046 | 0.93 |
| 170 | 13736 | 13737 | NS | 1 | 0.0 | 47.697 | 2.28 | 0.0 | 43.556 | 2.905 | 0.0 | 45.191 | 2.072 | 0.0 | 49.113 | 3.247 | 0.0 | 49.425 | 2.301 | 0.0 | 45.115 | 2.601 | 0.0 | 43.118 | 2.079 | 0.0 | 46.179 | 2.701 |
| 171 | 13736 | 13737 | NS | 1 | 0.0 | 43.913 | 2.239 | 0.0 | 47.7 | 2.804 | 0.0 | 43.302 | 2.192 | 0.0 | 50.103 | 3.007 | 0.0 | 45.644 | 2.331 | 0.0 | 48.868 | 2.531 | 0.0 | 43.722 | 2.136 | 0.0 | 50.847 | 2.66 |
| 172 | 13736 | 13737 | SN | 1 | 0.0 | 54.482 | 5.133 | 0.0 | 51.271 | 5.9 | 0.0 | 48.478 | 4.872 | 0.0 | 48.226 | 5.772 | 0.0 | 55.077 | 5.184 | 0.0 | 51.198 | 6.023 | 0.0 | 49.391 | 5.072 | 0.0 | 48.49 | 5.779 |
| 173 | 13736 | 13737 | SN | 1 | 0.0 | 54.482 | 5.143 | 0.0 | 51.182 | 5.901 | 0.0 | 48.478 | 4.886 | 0.0 | 48.232 | 5.779 | 0.0 | 55.077 | 5.174 | 0.0 | 51.198 | 6.034 | 0.0 | 49.391 | 5.072 | 0.0 | 48.495 | 5.787 |
| 174 | 13736 | 13737 | SN | 1 | 0.0 | 49.812 | 1.336 | 0.0 | 46.778 | 1.906 | 0.0 | 47.575 | 1.361 | 0.0 | 46.313 | 1.886 | 0.0 | 49.139 | 1.388 | 0.0 | 45.872 | 1.86 | 0.0 | 50.176 | 1.397 | 0.0 | 44.044 | 1.84 |
| 175 | 13737 | 13738 | NS | 1 | 0.0 | 46.41 | 3.044 | 0.0 | 46.688 | 3.908 | 0.0 | 43.039 | 2.95 | 0.0 | 49.696 | 4.092 | 0.0 | 47.558 | 3.074 | 0.0 | 50.758 | 3.551 | 0.0 | 43.806 | 2.801 | 0.0 | 48.169 | 3.315 |

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

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|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 176 | 13737 | 13738 | SN | 1 | 0.0 | 39.49 | 0.563 | 0.0 | 49.9 | 0.823 | 0.0 | 35.024 | 0.786 | 0.0 | 38.672 | 1.183 | 0.0 | 38.921 | 0.536 | 0.0 | 49.266 | 0.711 | 0.0 | 34.143 | 0.708 | 0.0 | 36.42 | 0.951 |
| 177 | 13737 | 13738 | NS | 1 | 0.0 | 41.399 | 0.86 | 0.0 | 46.692 | 1.097 | 0.0 | 45.001 | 0.916 | 0.0 | 41.641 | 1.276 | 0.0 | 43.006 | 0.867 | 0.0 | 47.173 | 0.945 | 0.0 | 44.21 | 0.801 | 0.0 | 42.401 | 0.984 |
| 178 | 13737 | 13738 | SN | 1 | 0.0 | 47.597 | 2.427 | 0.0 | 45.715 | 2.855 | 0.0 | 45.87 | 2.517 | 0.0 | 37.991 | 3.212 | 0.0 | 47.176 | 2.447 | 0.0 | 43.642 | 2.517 | 0.0 | 46.247 | 2.261 | 0.0 | 39.203 | 2.797 |
| 179 | 13737 | 13738 | NS | 1 | 0.0 | 44.758 | 0.86 | 0.0 | 46.204 | 1.104 | 0.0 | 45.395 | 0.902 | 0.0 | 42.094 | 1.278 | 0.0 | 46.435 | 0.838 | 0.0 | 46.684 | 0.943 | 0.0 | 42.984 | 0.819 | 0.0 | 42.846 | 0.972 |
| 180 | 13737 | 13738 | NS | 1 | 0.0 | 49.294 | 3.064 | 0.0 | 46.268 | 3.897 | 0.0 | 42.326 | 2.942 | 0.0 | 45.658 | 4.078 | 0.0 | 48.462 | 3.074 | 0.0 | 49.789 | 3.551 | 0.0 | 43.139 | 2.786 | 0.0 | 44.743 | 3.351 |
| 181 | 13738 | 13739 | NS | 1 | 0.0 | 37.569 | 0.479 | 0.0 | 40.963 | 0.756 | 0.0 | 44.352 | 0.756 | 0.0 | 44.908 | 1.084 | 0.0 | 37.635 | 0.449 | 0.0 | 42.417 | 0.643 | 0.0 | 41.431 | 0.648 | 0.0 | 40.838 | 0.802 |
| 182 | 13738 | 13739 | SN | 1 | 0.0 | 42.657 | 1.5 | 0.0 | 46.436 | 1.855 | 0.0 | 49.092 | 1.377 | 0.0 | 41.384 | 1.788 | 0.0 | 44.147 | 1.539 | 0.0 | 49.325 | 1.76 | 0.0 | 48.983 | 1.348 | 0.0 | 39.911 | 1.672 |
| 183 | 13738 | 13739 | NS | 1 | 0.0 | 46.54 | 1.457 | 0.0 | 47.146 | 2.086 | 0.0 | 45.469 | 2.007 | 0.0 | 47.841 | 3.27 | 0.0 | 47.056 | 1.467 | 0.0 | 45.068 | 1.772 | 0.0 | 43.337 | 1.823 | 0.0 | 44.995 | 2.497 |
| 184 | 13738 | 13739 | NS | 1 | 0.0 | 45.541 | 1.488 | 0.0 | 45.344 | 2.106 | 0.0 | 45.963 | 2.099 | 0.0 | 44.3 | 3.256 | 0.0 | 47.305 | 1.498 | 0.0 | 44.929 | 1.802 | 0.0 | 43.749 | 1.872 | 0.0 | 42.053 | 2.497 |
| 185 | 13738 | 13739 | SN | 1 | 0.0 | 50.879 | 4.813 | 0.0 | 53.747 | 5.885 | 0.0 | 50.415 | 4.978 | 0.0 | 44.167 | 6.085 | 0.0 | 52.967 | 4.955 | 0.0 | 53.536 | 5.427 | 0.0 | 48.291 | 5.027 | 0.0 | 41.458 | 5.857 |
| 186 | 13738 | 13739 | NS | 1 | 0.0 | 42.739 | 0.472 | 0.0 | 41.167 | 0.754 | 0.0 | 45.154 | 0.772 | 0.0 | 43.977 | 1.077 | 0.0 | 42.29 | 0.447 | 0.0 | 42.307 | 0.641 | 0.0 | 42.659 | 0.669 | 0.0 | 41.152 | 0.817 |
| 187 | 13738 | 13739 | SN | 1 | 0.0 | 50.545 | 4.803 | 0.0 | 52.434 | 5.895 | 0.0 | 45.74 | 5.027 | 0.0 | 46.167 | 6.05 | 0.0 | 52.04 | 4.976 | 0.0 | 52.242 | 5.447 | 0.0 | 44.731 | 5.07 | 0.0 | 44.079 | 5.793 |
| 188 | 13738 | 13739 | SN | 1 | 0.0 | 43.997 | 1.487 | 0.0 | 47.467 | 1.851 | 0.0 | 44.947 | 1.384 | 0.0 | 45.926 | 1.792 | 0.0 | 45.487 | 1.532 | 0.0 | 50.354 | 1.758 | 0.0 | 44.838 | 1.361 | 0.0 | 42.005 | 1.67 |
| 189 | 13739 | 13740 | NS | 1 | 0.0 | 45.004 | 1.969 | 0.0 | 49.468 | 2.846 | 0.0 | 40.531 | 2.723 | 0.0 | 37.518 | 4.027 | 0.0 | 46.068 | 2.0 | 0.0 | 49.422 | 2.733 | 0.0 | 40.769 | 2.687 | 0.0 | 36.84 | 3.454 |
| 190 | 13739 | 13740 | SN | 1 | 0.0 | 49.464 | 4.398 | 0.0 | 50.808 | 5.08 | 0.0 | 42.758 | 4.213 | 0.0 | 45.196 | 5.158 | 0.0 | 48.705 | 4.388 | 0.0 | 51.268 | 4.795 | 0.0 | 42.824 | 4.056 | 0.0 | 42.613 | 4.637 |
| 191 | 13739 | 13740 | SN | 1 | 0.0 | 53.064 | 4.388 | 0.0 | 54.128 | 5.03 | 0.0 | 42.499 | 4.206 | 0.0 | 45.117 | 5.08 | 0.0 | 53.172 | 4.337 | 0.0 | 54.209 | 4.775 | 0.0 | 41.487 | 3.978 | 0.0 | 42.469 | 4.566 |
| 192 | 13739 | 13740 | NS | 1 | 0.0 | 45.004 | 1.932 | 0.0 | 49.468 | 2.796 | 0.0 | 40.531 | 2.665 | 0.0 | 39.198 | 3.947 | 0.0 | 46.068 | 1.972 | 0.0 | 49.422 | 2.684 | 0.0 | 40.769 | 2.651 | 0.0 | 36.84 | 3.392 |
| 193 | 13739 | 13740 | NS | 1 | 0.0 | 45.004 | 1.932 | 0.0 | 49.468 | 2.796 | 0.0 | 40.531 | 2.665 | 0.0 | 39.198 | 3.947 | 0.0 | 46.068 | 1.972 | 0.0 | 49.422 | 2.684 | 0.0 | 40.769 | 2.651 | 0.0 | 36.84 | 3.392 |
| 194 | 13739 | 13740 | SN | 1 | 0.0 | 45.774 | 1.066 | 0.0 | 45.729 | 1.352 | 0.0 | 43.418 | 1.05 | 0.0 | 47.001 | 1.425 | 0.0 | 47.239 | 1.104 | 0.0 | 44.11 | 1.256 | 0.0 | 43.44 | 0.954 | 0.0 | 42.388 | 1.259 |
| 195 | 13739 | 13740 | SN | 1 | 0.0 | 45.774 | 1.077 | 0.0 | 40.108 | 1.37 | 0.0 | 40.587 | 1.075 | 0.0 | 46.09 | 1.416 | 0.0 | 47.239 | 1.1 | 0.0 | 40.143 | 1.256 | 0.0 | 40.612 | 0.991 | 0.0 | 41.477 | 1.241 |
| 196 | 13739 | 13740 | NS | 1 | 0.0 | 38.796 | 0.647 | 0.0 | 40.216 | 0.966 | 0.0 | 39.589 | 1.069 | 0.0 | 39.554 | 1.458 | 0.0 | 36.546 | 0.666 | 0.0 | 38.209 | 0.913 | 0.0 | 35.583 | 0.986 | 0.0 | 37.361 | 1.215 |
| 197 | 13739 | 13740 | NS | 1 | 0.0 | 38.796 | 0.64 | 0.0 | 40.216 | 0.949 | 0.0 | 39.589 | 1.056 | 0.0 | 39.554 | 1.43 | 0.0 | 36.546 | 0.653 | 0.0 | 38.209 | 0.892 | 0.0 | 35.583 | 0.975 | 0.0 | 37.361 | 1.192 |
| 198 | 13739 | 13740 | NS | 1 | 0.0 | 38.796 | 0.64 | 0.0 | 40.216 | 0.949 | 0.0 | 39.589 | 1.056 | 0.0 | 39.554 | 1.43 | 0.0 | 36.546 | 0.653 | 0.0 | 38.209 | 0.892 | 0.0 | 35.583 | 0.975 | 0.0 | 37.361 | 1.192 |
| 199 | 13740 | 13741 | NS | 1 | 0.0 | 41.973 | 3.478 | 0.0 | 47.382 | 4.954 | 0.0 | 44.164 | 3.67 | 0.0 | 44.58 | 5.498 | 0.0 | 42.511 | 3.417 | 0.0 | 47.661 | 4.65 | 0.0 | 45.361 | 3.386 | 0.0 | 45.464 | 4.739 |
| 200 | 13740 | 13741 | SN | 1 | 0.0 | 44.88 | 1.101 | 0.0 | 47.682 | 1.384 | 0.0 | 43.545 | 1.253 | 0.0 | 41.964 | 1.62 | 0.0 | 45.102 | 1.069 | 0.0 | 46.111 | 1.272 | 0.0 | 42.764 | 1.243 | 0.0 | 39.418 | 1.463 |
| 201 | 13740 | 13741 | NS | 1 | 0.0 | 41.9 | 0.999 | 0.0 | 39.821 | 1.503 | 0.0 | 37.909 | 1.156 | 0.0 | 40.123 | 1.856 | 0.0 | 41.604 | 0.997 | 0.0 | 38.246 | 1.277 | 0.0 | 36.994 | 1.077 | 0.0 | 37.309 | 1.503 |
| 202 | 13740 | 13741 | NS | 1 | 0.0 | 41.973 | 3.478 | 0.0 | 47.382 | 4.964 | 0.0 | 44.164 | 3.677 | 0.0 | 44.693 | 5.512 | 0.0 | 42.511 | 3.417 | 0.0 | 47.661 | 4.64 | 0.0 | 45.361 | 3.386 | 0.0 | 45.577 | 4.753 |
| 203 | 13740 | 13741 | NS | 1 | 0.0 | 43.511 | 1.02 | 0.0 | 39.821 | 1.503 | 0.0 | 38.076 | 1.167 | 0.0 | 40.123 | 1.854 | 0.0 | 41.952 | 1.008 | 0.0 | 38.246 | 1.279 | 0.0 | 37.161 | 1.084 | 0.0 | 37.309 | 1.5 |
| 204 | 13740 | 13741 | NS | 1 | 0.0 | 41.9 | 1.052 | 0.0 | 39.821 | 1.579 | 0.0 | 37.909 | 1.204 | 0.0 | 40.123 | 1.951 | 0.0 | 41.604 | 1.057 | 0.0 | 38.246 | 1.339 | 0.0 | 36.994 | 1.126 | 0.0 | 37.309 | 1.58 |
| 205 | 13740 | 13741 | SN | 1 | 0.0 | 55.864 | 3.306 | 0.0 | 47.906 | 4.205 | 0.0 | 45.443 | 3.951 | 0.0 | 43.717 | 4.906 | 0.0 | 55.217 | 3.417 | 0.0 | 47.796 | 3.889 | 0.0 | 44.084 | 3.845 | 0.0 | 42.181 | 4.478 |
| 206 | 13740 | 13741 | NS | 1 | 0.0 | 46.67 | 3.642 | 0.0 | 47.382 | 5.194 | 0.0 | 44.164 | 3.85 | 0.0 | 44.58 | 5.778 | 0.0 | 47.812 | 3.557 | 0.0 | 47.661 | 4.885 | 0.0 | 45.361 | 3.537 | 0.0 | 45.464 | 4.973 |
| 207 | 13741 | 13742 | SN | 1 | 0.0 | 43.978 | 3.973 | 0.0 | 45.859 | 5.061 | 0.0 | 39.206 | 3.472 | 0.0 | 39.141 | 5.327 | 0.0 | 42.414 | 3.943 | 0.0 | 45.343 | 5.02 | 0.0 | 40.104 | 3.6 | 0.0 | 38.093 | 5.135 |
| 208 | 13741 | 13742 | NS | 1 | 0.0 | 45.991 | 1.579 | 0.0 | 45.418 | 2.08 | 0.0 | 40.966 | 1.73 | 0.0 | 42.219 | 2.379 | 0.0 | 44.654 | 1.641 | 0.0 | 44.393 | 2.06 | 0.0 | 40.602 | 1.806 | 0.0 | 41.398 | 2.284 |
| 209 | 13741 | 13742 | NS | 1 | 0.0 | 45.33 | 5.987 | 0.0 | 49.34 | 7.225 | 0.0 | 46.404 | 5.736 | 0.0 | 44.103 | 7.37 | 0.0 | 46.361 | 6.255 | 0.0 | 50.428 | 7.135 | 0.0 | 45.121 | 5.885 | 0.0 | 42.699 | 6.874 |
| 210 | 13741 | 13742 | NS | 1 | 0.0 | 45.991 | 1.458 | 0.0 | 45.418 | 1.882 | 0.0 | 40.966 | 1.576 | 0.0 | 42.219 | 2.157 | 0.0 | 44.654 | 1.504 | 0.0 | 44.393 | 1.861 | 0.0 | 40.602 | 1.642 | 0.0 | 41.398 | 2.069 |
| 211 | 13741 | 13742 | NS | 1 | 0.0 | 45.33 | 5.46 | 0.0 | 49.34 | 6.565 | 0.0 | 46.404 | 5.212 | 0.0 | 44.103 | 6.67 | 0.0 | 46.361 | 5.713 | 0.0 | 50.428 | 6.483 | 0.0 | 45.121 | 5.382 | 0.0 | 42.699 | 6.236 |

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

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|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 212 | 13741 | 13742 | NS | 1 | 0.0 | 45.991 | 1.447 | 0.0 | 45.418 | 1.884 | 0.0 | 40.966 | 1.566 | 0.0 | 42.219 | 2.157 | 0.0 | 44.654 | 1.493 | 0.0 | 44.393 | 1.861 | 0.0 | 40.602 | 1.631 | 0.0 | 41.398 | 2.069 |
| 213 | 13741 | 13742 | NS | 1 | 0.0 | 45.33 | 5.49 | 0.0 | 49.34 | 6.565 | 0.0 | 46.404 | 5.234 | 0.0 | 44.103 | 6.67 | 0.0 | 46.361 | 5.745 | 0.0 | 50.428 | 6.483 | 0.0 | 45.121 | 5.405 | 0.0 | 42.699 | 6.236 |
| 214 | 13741 | 13742 | SN | 1 | 0.0 | 41.716 | 4.004 | 0.0 | 42.304 | 5.041 | 0.0 | 36.536 | 3.486 | 0.0 | 39.09 | 5.263 | 0.0 | 41.799 | 4.014 | 0.0 | 42.401 | 4.919 | 0.0 | 39.644 | 3.593 | 0.0 | 36.127 | 5.163 |
| 215 | 13741 | 13742 | SN | 1 | 0.0 | 42.355 | 0.991 | 0.0 | 42.903 | 1.513 | 0.0 | 37.184 | 1.241 | 0.0 | 38.656 | 2.0 | 0.0 | 42.133 | 1.007 | 0.0 | 40.489 | 1.422 | 0.0 | 35.306 | 1.204 | 0.0 | 38.614 | 1.729 |
| 216 | 13741 | 13742 | SN | 1 | 0.0 | 37.99 | 0.993 | 0.0 | 42.08 | 1.54 | 0.0 | 35.785 | 1.28 | 0.0 | 39.34 | 2.019 | 0.0 | 38.942 | 0.993 | 0.0 | 40.922 | 1.42 | 0.0 | 35.106 | 1.264 | 0.0 | 38.66 | 1.768 |
| 217 | 13742 | 13743 | SN | 1 | 0.0 | 52.443 | 3.158 | 0.0 | 43.721 | 3.688 | 0.0 | 46.22 | 3.193 | 0.0 | 45.188 | 3.911 | 0.0 | 53.368 | 3.26 | 0.0 | 43.673 | 3.514 | 0.0 | 45.126 | 3.073 | 0.0 | 48.317 | 3.56 |
| 218 | 13742 | 13743 | NS | 1 | 0.0 | 49.945 | 4.263 | 0.0 | 51.886 | 5.53 | 0.0 | 44.083 | 5.234 | 0.0 | 50.231 | 6.673 | 0.0 | 50.6 | 4.415 | 0.0 | 52.724 | 5.143 | 0.0 | 44.544 | 4.95 | 0.0 | 48.069 | 5.69 |
| 219 | 13742 | 13743 | SN | 1 | 0.0 | 52.443 | 3.361 | 0.0 | 42.748 | 3.972 | 0.0 | 42.703 | 3.417 | 0.0 | 45.188 | 4.207 | 0.0 | 53.368 | 3.514 | 0.0 | 42.702 | 3.741 | 0.0 | 42.427 | 3.317 | 0.0 | 44.927 | 3.821 |
| 220 | 13742 | 13743 | NS | 1 | 0.0 | 49.945 | 4.818 | 0.0 | 51.886 | 6.322 | 0.0 | 44.083 | 5.769 | 0.0 | 50.231 | 7.642 | 0.0 | 50.6 | 4.996 | 0.0 | 52.724 | 5.892 | 0.0 | 44.544 | 5.436 | 0.0 | 48.069 | 6.543 |
| 221 | 13742 | 13743 | NS | 1 | 0.0 | 49.39 | 1.595 | 0.0 | 49.484 | 1.913 | 0.0 | 41.938 | 1.707 | 0.0 | 44.1 | 2.26 | 0.0 | 49.925 | 1.561 | 0.0 | 48.637 | 1.749 | 0.0 | 42.052 | 1.635 | 0.0 | 43.251 | 1.982 |
| 222 | 13742 | 13743 | NS | 1 | 0.0 | 49.945 | 4.263 | 0.0 | 51.886 | 5.519 | 0.0 | 44.083 | 5.234 | 0.0 | 50.231 | 6.673 | 0.0 | 50.6 | 4.415 | 0.0 | 52.724 | 5.133 | 0.0 | 44.544 | 4.95 | 0.0 | 48.069 | 5.69 |
| 223 | 13742 | 13743 | SN | 1 | 0.0 | 43.556 | 0.891 | 0.0 | 47.177 | 0.972 | 0.0 | 46.572 | 0.931 | 0.0 | 42.758 | 1.216 | 0.0 | 43.618 | 0.9 | 0.0 | 47.86 | 0.945 | 0.0 | 48.085 | 0.89 | 0.0 | 40.541 | 1.098 |
| 224 | 13742 | 13743 | SN | 1 | 0.0 | 43.556 | 0.956 | 0.0 | 47.177 | 1.032 | 0.0 | 46.572 | 1.018 | 0.0 | 42.758 | 1.289 | 0.0 | 43.618 | 0.963 | 0.0 | 47.86 | 1.01 | 0.0 | 48.085 | 0.989 | 0.0 | 40.541 | 1.164 |
| 225 | 13742 | 13743 | NS | 1 | 0.0 | 49.39 | 1.369 | 0.0 | 49.484 | 1.642 | 0.0 | 41.938 | 1.581 | 0.0 | 44.1 | 1.984 | 0.0 | 49.925 | 1.344 | 0.0 | 48.637 | 1.502 | 0.0 | 42.052 | 1.499 | 0.0 | 43.251 | 1.733 |
| 226 | 13742 | 13743 | NS | 1 | 0.0 | 49.39 | 1.371 | 0.0 | 49.484 | 1.647 | 0.0 | 41.938 | 1.579 | 0.0 | 44.1 | 1.984 | 0.0 | 49.925 | 1.346 | 0.0 | 48.637 | 1.506 | 0.0 | 42.052 | 1.497 | 0.0 | 43.251 | 1.733 |

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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 | 13714 | 13715 | SN | 1 | 0.0 | 19.187 | 4.67 | 0.0 | 224.303 | 6.338 | 0.0 | 68.099 | 0.82 | 0.0 | 142.637 | 1.885 | 0.0 | 1.35 | 0.0 | 1.73 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 2.082 | 0.0 | |
| 2 | 13714 | 13715 | NS | 1 | 0.0 | 78.785 | 7.066 | 0.0 | 25.645 | 8.843 | 0.0 | 354.402 | 4.498 | 0.0 | 182.789 | 5.594 | 0.0 | 1.432 | 0.0 | 1.82 | 0.0 | 0.0 | 1.893 | 0.0 | 0.0 | 2.179 | 0.0 | |
| 3 | 13714 | 13715 | SN | 1 | 0.0 | 28.419 | 12.35 | 0.0 | 206.915 | 12.89 | 0.0 | 76.124 | 7.116 | 0.0 | 99.334 | 9.791 | 0.0 | 1.366 | 0.0 | 1.732 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 2.081 | 0.0 | |
| 4 | 13714 | 13715 | SN | 1 | 0.0 | 28.419 | 12.35 | 0.0 | 206.915 | 12.89 | 0.0 | 76.124 | 7.123 | 0.0 | 99.334 | 9.791 | 0.0 | 1.366 | 0.0 | 1.732 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 2.081 | 0.0 | |
| 5 | 13714 | 13715 | SN | 1 | 0.0 | 19.187 | 4.674 | 0.0 | 224.303 | 6.294 | 0.0 | 68.099 | 0.841 | 0.0 | 142.637 | 1.707 | 0.0 | 1.35 | 0.0 | 1.73 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 2.082 | 0.0 | |
| 6 | 13714 | 13715 | SN | 1 | 0.0 | 19.187 | 4.67 | 0.0 | 224.303 | 6.338 | 0.0 | 68.099 | 0.82 | 0.0 | 142.637 | 1.885 | 0.0 | 1.35 | 0.0 | 1.73 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 2.082 | 0.0 | |
| 7 | 13714 | 13715 | NS | 1 | 0.0 | 124.521 | 10.792 | 0.0 | 31.612 | 15.813 | 0.0 | 353.04 | 13.467 | 0.0 | 143.418 | 15.25 | 0.0 | 1.413 | 0.0 | 1.822 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.179 | 0.0 | |
| 8 | 13714 | 13715 | SN | 1 | 0.0 | 28.419 | 12.342 | 0.0 | 206.915 | 12.65 | 0.0 | 76.124 | 7.224 | 0.0 | 99.334 | 9.292 | 0.0 | 1.366 | 0.0 | 1.732 | 0.0 | 0.0 | 1.775 | 0.0 | 0.0 | 2.081 | 0.0 | |
| 9 | 13715 | 13716 | NS | 1 | 0.0 | 150.11 | 10.824 | 0.0 | 29.389 | 15.598 | 0.0 | 173.279 | 13.036 | 0.0 | 129.421 | 14.945 | 0.0 | 1.412 | 0.0 | 1.82 | 0.0 | 0.0 | 1.896 | 0.0 | 0.0 | 2.178 | 0.0 | |
| 10 | 13715 | 13716 | NS | 1 | 0.0 | 160.285 | 6.953 | 0.0 | 25.628 | 8.678 | 0.0 | 163.445 | 4.289 | 0.0 | 174.191 | 5.41 | 0.0 | 1.425 | 0.0 | 1.82 | 0.0 | 0.0 | 1.896 | 0.0 | 0.0 | 2.179 | 0.0 | |
| 11 | 13715 | 13716 | SN | 1 | 0.0 | 28.126 | 12.321 | 0.0 | 27.997 | 12.819 | 0.0 | 40.828 | 7.225 | 0.0 | 274.418 | 9.736 | 0.0 | 1.382 | 0.0 | 1.733 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.079 | 0.0 | |
| 12 | 13715 | 13716 | NS | 1 | 0.0 | 167.118 | 6.944 | 0.0 | 25.628 | 8.658 | 0.0 | 175.65 | 4.282 | 0.0 | 174.191 | 5.397 | 0.0 | 1.427 | 0.0 | 1.82 | 0.0 | 0.0 | 1.896 | 0.0 | 0.0 | 2.18 | 0.0 | |
| 13 | 13715 | 13716 | SN | 1 | 0.0 | 23.003 | 4.687 | 0.0 | 19.446 | 6.373 | 0.0 | 24.001 | 0.827 | 0.0 | 192.079 | 1.804 | 0.0 | 1.346 | 0.0 | 1.731 | 0.0 | 0.0 | 1.808 | 0.0 | 0.0 | 2.083 | 0.0 | |
| 14 | 13715 | 13716 | SN | 1 | 0.0 | 28.126 | 12.321 | 0.0 | 27.997 | 12.964 | 0.0 | 40.833 | 7.149 | 0.0 | 274.418 | 10.031 | 0.0 | 1.382 | 0.0 | 1.733 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.079 | 0.0 | |
| 15 | 13715 | 13716 | SN | 1 | 0.0 | 23.003 | 4.679 | 0.0 | 20.94 | 6.391 | 0.0 | 24.001 | 0.816 | 0.0 | 192.079 | 1.926 | 0.0 | 1.346 | 0.0 | 1.731 | 0.0 | 0.0 | 1.808 | 0.0 | 0.0 | 2.083 | 0.0 | |
| 16 | 13715 | 13716 | SN | 1 | 0.0 | 23.003 | 4.687 | 0.0 | 19.451 | 6.375 | 0.0 | 23.996 | 0.824 | 0.0 | 192.079 | 1.807 | 0.0 | 1.346 | 0.0 | 1.731 | 0.0 | 0.0 | 1.808 | 0.0 | 0.0 | 2.083 | 0.0 | |
| 17 | 13715 | 13716 | SN | 1 | 0.0 | 28.126 | 12.33 | 0.0 | 27.997 | 12.819 | 0.0 | 40.833 | 7.204 | 0.0 | 274.418 | 9.743 | 0.0 | 1.382 | 0.0 | 1.733 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.079 | 0.0 | |
| 18 | 13715 | 13716 | NS | 1 | 0.0 | 150.11 | 10.674 | 0.0 | 29.389 | 15.651 | 0.0 | 232.438 | 13.073 | 0.0 | 75.092 | 14.986 | 0.0 | 1.412 | 0.0 | 1.822 | 0.0 | 0.0 | 1.868 | 0.0 | 0.0 | 2.179 | 0.0 | |
| 19 | 13716 | 13717 | SN | 1 | 0.0 | 23.053 | 4.747 | 0.0 | 18.723 | 6.369 | 0.0 | 70.333 | 0.815 | 0.0 | 11.664 | 1.75 | 0.0 | 1.347 | 0.0 | 1.731 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 2.082 | 0.0 | |
| 20 | 13716 | 13717 | SN | 1 | 0.0 | 28.347 | 12.424 | 0.0 | 23.273 | 12.735 | 0.0 | 71.987 | 7.195 | 0.0 | 17.262 | 9.576 | 0.0 | 1.384 | 0.0 | 1.732 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.08 | 0.0 | |
| 21 | 13716 | 13717 | SN | 1 | 0.0 | 28.347 | 12.401 | 0.0 | 23.582 | 12.917 | 0.0 | 71.987 | 7.135 | 0.0 | 45.642 | 9.921 | 0.0 | 1.384 | 0.0 | 1.732 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.08 | 0.0 | |
| 22 | 13716 | 13717 | NS | 1 | 0.0 | 80.941 | 7.057 | 0.0 | 23.549 | 8.767 | 0.0 | 255.813 | 4.417 | 0.0 | 172.399 | 5.565 | 0.0 | 1.427 | 0.0 | 1.82 | 0.0 | 0.0 | 1.893 | 0.0 | 0.0 | 2.182 | 0.0 | |
| 23 | 13716 | 13717 | NS | 1 | 0.0 | 193.353 | 10.695 | 0.0 | 29.103 | 15.772 | 0.0 | 356.327 | 13.32 | 0.0 | 70.62 | 15.225 | 0.0 | 1.413 | 0.0 | 1.823 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.181 | 0.0 | |
| 24 | 13716 | 13717 | SN | 1 | 0.0 | 23.053 | 4.737 | 0.0 | 20.918 | 6.392 | 0.0 | 70.333 | 0.803 | 0.0 | 62.65 | 1.887 | 0.0 | 1.347 | 0.0 | 1.731 | 0.0 | 0.0 | 1.811 | 0.0 | 0.0 | 2.082 | 0.0 | |
| 25 | 13717 | 13718 | NS | 1 | 0.0 | 150.822 | 10.617 | 0.0 | 29.114 | 15.664 | 0.0 | 162.309 | 13.184 | 0.0 | 66.605 | 15.023 | 0.0 | 1.391 | 0.0 | 1.82 | 0.0 | 0.0 | 1.895 | 0.0 | 0.0 | 2.178 | 0.0 | |
| 26 | 13717 | 13718 | SN | 1 | 0.0 | 28.16 | 12.361 | 0.0 | 47.035 | 12.839 | 0.0 | 78.561 | 6.977 | 0.0 | 44.771 | 10.022 | 0.0 | 1.379 | 0.0 | 1.732 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 2.083 | 0.0 | |
| 27 | 13717 | 13718 | SN | 1 | 0.0 | 23.058 | 4.737 | 0.0 | 70.829 | 6.347 | 0.0 | 72.263 | 0.806 | 0.0 | 11.626 | 1.728 | 0.0 | 1.348 | 0.0 | 1.731 | 0.0 | 0.0 | 1.793 | 0.0 | 0.0 | 2.082 | 0.0 | |
| 28 | 13717 | 13718 | NS | 1 | 0.0 | 92.313 | 10.627 | 0.0 | 29.114 | 15.654 | 0.0 | 162.309 | 13.191 | 0.0 | 66.605 | 15.037 | 0.0 | 1.391 | 0.0 | 1.82 | 0.0 | 0.0 | 1.895 | 0.0 | 0.0 | 2.178 | 0.0 | |
| 29 | 13717 | 13718 | SN | 1 | 0.0 | 28.16 | 12.37 | 0.0 | 47.035 | 12.627 | 0.0 | 78.561 | 7.072 | 0.0 | 16.131 | 9.509 | 0.0 | 1.379 | 0.0 | 1.732 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 2.083 | 0.0 | |
| 30 | 13717 | 13718 | NS | 1 | 0.0 | 152.275 | 7.039 | 0.0 | 23.555 | 8.724 | 0.0 | 157.815 | 4.323 | 0.0 | 181.488 | 5.531 | 0.0 | 1.432 | 0.0 | 1.82 | 0.0 | 0.0 | 1.896 | 0.0 | 0.0 | 2.18 | 0.0 | |
| 31 | 13717 | 13718 | SN | 1 | 0.0 | 23.058 | 4.728 | 0.0 | 70.829 | 6.392 | 0.0 | 72.263 | 0.786 | 0.0 | 28.843 | 1.882 | 0.0 | 1.348 | 0.0 | 1.731 | 0.0 | 0.0 | 1.793 | 0.0 | 0.0 | 2.082 | 0.0 | |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 32 | 13717 | 13718 | NS | 1 | 0.0 | 252.907 | 7.026 | 0.0 | 23.555 | 8.71 | 0.0 | 157.837 | 4.324 | 0.0 | 181.499 | 5.526 | 0.0 | 1.432 | 0.0 | 0.0 | 1.82 | 0.0 | 0.0 | 1.896 | 0.0 | 0.0 | 2.18 | 0.0 |
| 33 | 13718 | 13719 | SN | 1 | 0.0 | 28.143 | 12.405 | 0.0 | 30.087 | 12.914 | 0.0 | 78.17 | 7.126 | 0.0 | 45.879 | 10.085 | 0.0 | 1.38 | 0.0 | 0.0 | 1.732 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 2.083 | 0.0 |
| 34 | 13718 | 13719 | NS | 1 | 0.0 | 157.04 | 7.031 | 0.0 | 25.617 | 8.787 | 0.0 | 350.917 | 4.353 | 0.0 | 134.097 | 5.499 | 0.0 | 1.42 | 0.0 | 0.0 | 1.82 | 0.0 | 0.0 | 1.892 | 0.0 | 0.0 | 2.18 | 0.0 |
| 35 | 13718 | 13719 | NS | 1 | 0.0 | 158.173 | 10.651 | 0.0 | 29.935 | 15.657 | 0.0 | 144.54 | 13.233 | 0.0 | 70.416 | 14.979 | 0.0 | 1.403 | 0.0 | 0.0 | 1.82 | 0.0 | 0.0 | 1.892 | 0.0 | 0.0 | 2.178 | 0.0 |
| 36 | 13718 | 13719 | SN | 1 | 0.0 | 23.058 | 4.766 | 0.0 | 18.051 | 6.346 | 0.0 | 46.155 | 0.835 | 0.0 | 11.615 | 1.732 | 0.0 | 1.35 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 2.082 | 0.0 |
| 37 | 13718 | 13719 | SN | 1 | 0.0 | 23.058 | 4.757 | 0.0 | 20.855 | 6.424 | 0.0 | 46.155 | 0.805 | 0.0 | 28.888 | 1.901 | 0.0 | 1.35 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 2.082 | 0.0 |
| 38 | 13718 | 13719 | NS | 1 | 0.0 | 157.04 | 7.038 | 0.0 | 25.617 | 8.796 | 0.0 | 350.922 | 4.36 | 0.0 | 134.147 | 5.501 | 0.0 | 1.432 | 0.0 | 0.0 | 1.82 | 0.0 | 0.0 | 1.892 | 0.0 | 0.0 | 2.18 | 0.0 |
| 39 | 13718 | 13719 | SN | 1 | 0.0 | 28.143 | 12.405 | 0.0 | 30.087 | 12.925 | 0.0 | 78.17 | 7.126 | 0.0 | 45.857 | 10.085 | 0.0 | 1.38 | 0.0 | 0.0 | 1.732 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 2.083 | 0.0 |
| 40 | 13718 | 13719 | SN | 1 | 0.0 | 28.143 | 12.429 | 0.0 | 30.087 | 12.565 | 0.0 | 78.17 | 7.265 | 0.0 | 15.442 | 9.344 | 0.0 | 1.38 | 0.0 | 0.0 | 1.732 | 0.0 | 0.0 | 1.786 | 0.0 | 0.0 | 2.083 | 0.0 |
| 41 | 13718 | 13719 | NS | 1 | 0.0 | 158.173 | 10.671 | 0.0 | 29.941 | 15.659 | 0.0 | 144.551 | 13.246 | 0.0 | 70.393 | 14.972 | 0.0 | 1.403 | 0.0 | 0.0 | 1.82 | 0.0 | 0.0 | 1.892 | 0.0 | 0.0 | 2.178 | 0.0 |
| 42 | 13718 | 13719 | SN | 1 | 0.0 | 23.058 | 4.757 | 0.0 | 20.855 | 6.424 | 0.0 | 46.155 | 0.805 | 0.0 | 40.326 | 1.901 | 0.0 | 1.35 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.813 | 0.0 | 0.0 | 2.082 | 0.0 |
| 43 | 13719 | 13720 | SN | 1 | 0.0 | 179.921 | 12.622 | 0.0 | 85.177 | 12.881 | 0.0 | 187.637 | 7.267 | 0.0 | 248.886 | 9.86 | 0.0 | 1.372 | 0.0 | 0.0 | 1.732 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 2.083 | 0.0 |
| 44 | 13719 | 13720 | SN | 1 | 0.0 | 157.194 | 4.768 | 0.0 | 94.497 | 6.222 | 0.0 | 186.727 | 0.921 | 0.0 | 109.944 | 1.648 | 0.0 | 1.351 | 0.0 | 0.0 | 1.73 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 2.082 | 0.0 |
| 45 | 13719 | 13720 | SN | 1 | 0.0 | 179.921 | 12.649 | 0.0 | 85.177 | 12.484 | 0.0 | 187.637 | 7.466 | 0.0 | 248.886 | 8.902 | 0.0 | 1.372 | 0.0 | 0.0 | 1.732 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 2.083 | 0.0 |
| 46 | 13719 | 13720 | SN | 1 | 0.0 | 157.194 | 4.752 | 0.0 | 94.497 | 6.34 | 0.0 | 186.727 | 0.874 | 0.0 | 109.944 | 1.872 | 0.0 | 1.351 | 0.0 | 0.0 | 1.73 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 2.082 | 0.0 |
| 47 | 13719 | 13720 | NS | 1 | 0.0 | 122.645 | 7.017 | 0.0 | 23.555 | 8.742 | 0.0 | 148.842 | 4.401 | 0.0 | 136.998 | 5.481 | 0.0 | 1.433 | 0.0 | 0.0 | 1.82 | 0.0 | 0.0 | 1.893 | 0.0 | 0.0 | 2.181 | 0.0 |
| 48 | 13719 | 13720 | NS | 1 | 0.0 | 122.645 | 7.02 | 0.0 | 25.612 | 8.735 | 0.0 | 148.715 | 4.399 | 0.0 | 137.075 | 5.488 | 0.0 | 1.433 | 0.0 | 0.0 | 1.82 | 0.0 | 0.0 | 1.893 | 0.0 | 0.0 | 2.181 | 0.0 |
| 49 | 13719 | 13720 | NS | 1 | 0.0 | 148.434 | 10.704 | 0.0 | 29.103 | 15.714 | 0.0 | 140.327 | 13.169 | 0.0 | 73.372 | 15.029 | 0.0 | 1.396 | 0.0 | 0.0 | 1.819 | 0.0 | 0.0 | 1.886 | 0.0 | 0.0 | 2.179 | 0.0 |
| 50 | 13719 | 13720 | NS | 1 | 0.0 | 148.467 | 10.66 | 0.0 | 29.097 | 15.755 | 0.0 | 140.277 | 13.161 | 0.0 | 190.372 | 15.069 | 0.0 | 1.407 | 0.0 | 0.0 | 1.819 | 0.0 | 0.0 | 1.887 | 0.0 | 0.0 | 2.179 | 0.0 |
| 51 | 13720 | 13721 | NS | 1 | 0.0 | 191.798 | 7.035 | 0.0 | 25.661 | 8.779 | 0.0 | 299.787 | 4.429 | 0.0 | 140.384 | 5.519 | 0.0 | 1.433 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 1.895 | 0.0 | 0.0 | 2.183 | 0.0 |
| 52 | 13720 | 13721 | SN | 1 | 0.0 | 19.209 | 4.69 | 0.0 | 130.372 | 6.381 | 0.0 | 66.417 | 0.808 | 0.0 | 49.111 | 1.862 | 0.0 | 1.351 | 0.0 | 0.0 | 1.73 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 2.081 | 0.0 |
| 53 | 13720 | 13721 | SN | 1 | 0.0 | 28.104 | 12.419 | 0.0 | 266.14 | 12.477 | 0.0 | 72.55 | 7.286 | 0.0 | 68.67 | 9.015 | 0.0 | 1.372 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 2.083 | 0.0 |
| 54 | 13720 | 13721 | NS | 1 | 0.0 | 191.798 | 7.033 | 0.0 | 25.639 | 8.774 | 0.0 | 299.942 | 4.424 | 0.0 | 140.478 | 5.516 | 0.0 | 1.433 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 1.895 | 0.0 | 0.0 | 2.183 | 0.0 |
| 55 | 13720 | 13721 | SN | 1 | 0.0 | 19.209 | 4.698 | 0.0 | 130.372 | 6.282 | 0.0 | 66.417 | 0.842 | 0.0 | 41.101 | 1.667 | 0.0 | 1.351 | 0.0 | 0.0 | 1.73 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 2.081 | 0.0 |
| 56 | 13720 | 13721 | NS | 1 | 0.0 | 210.185 | 10.745 | 0.0 | 29.125 | 15.764 | 0.0 | 152.906 | 13.224 | 0.0 | 148.706 | 15.246 | 0.0 | 1.396 | 0.0 | 0.0 | 1.82 | 0.0 | 0.0 | 1.887 | 0.0 | 0.0 | 2.179 | 0.0 |
| 57 | 13720 | 13721 | SN | 1 | 0.0 | 28.104 | 12.402 | 0.0 | 266.14 | 12.844 | 0.0 | 72.55 | 7.122 | 0.0 | 68.67 | 9.893 | 0.0 | 1.372 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 2.083 | 0.0 |
| 58 | 13720 | 13721 | NS | 1 | 0.0 | 210.185 | 10.757 | 0.0 | 29.125 | 15.775 | 0.0 | 219.985 | 13.231 | 0.0 | 183.567 | 15.239 | 0.0 | 1.396 | 0.0 | 0.0 | 1.82 | 0.0 | 0.0 | 1.887 | 0.0 | 0.0 | 2.179 | 0.0 |
| 59 | 13721 | 13722 | SN | 1 | 0.0 | 19.198 | 4.65 | 0.0 | 74.941 | 6.296 | 0.0 | 67.233 | 0.756 | 0.0 | 269.962 | 1.783 | 0.0 | 1.346 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.808 | 0.0 | 0.0 | 2.081 | 0.0 |
| 60 | 13721 | 13722 | SN | 1 | 0.0 | 27.167 | 12.376 | 0.0 | 136.267 | 12.953 | 0.0 | 74.927 | 6.889 | 0.0 | 67.178 | 9.704 | 0.0 | 1.375 | 0.0 | 0.0 | 1.732 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 2.081 | 0.0 |
| 61 | 13721 | 13722 | SN | 1 | 0.0 | 27.172 | 12.376 | 0.0 | 49.246 | 12.89 | 0.0 | 75.01 | 6.89 | 0.0 | 244.698 | 9.733 | 0.0 | 1.357 | 0.0 | 0.0 | 1.732 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 2.081 | 0.0 |
| 62 | 13721 | 13722 | NS | 1 | 0.0 | 24.845 | 10.657 | 0.0 | 29.092 | 15.688 | 0.0 | 354.215 | 13.063 | 0.0 | 75.313 | 15.137 | 0.0 | 1.404 | 0.0 | 0.0 | 1.821 | 0.0 | 0.0 | 1.888 | 0.0 | 0.0 | 2.18 | 0.0 |
| 63 | 13721 | 13722 | NS | 1 | 0.0 | 23.819 | 7.063 | 0.0 | 25.661 | 8.752 | 0.0 | 354.215 | 4.475 | 0.0 | 133.093 | 5.523 | 0.0 | 1.434 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.183 | 0.0 |
| 64 | 13721 | 13722 | SN | 1 | 0.0 | 19.198 | 4.662 | 0.0 | 135.948 | 6.294 | 0.0 | 67.305 | 0.76 | 0.0 | 60.05 | 1.783 | 0.0 | 1.346 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.808 | 0.0 | 0.0 | 2.081 | 0.0 |
| 65 | 13722 | 13723 | NS | 1 | 0.0 | 23.88 | 7.075 | 0.0 | 25.645 | 8.802 | 0.0 | 255.857 | 4.469 | 0.0 | 141.796 | 5.594 | 0.0 | 1.433 | 0.0 | 0.0 | 1.821 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.181 | 0.0 |
| 66 | 13722 | 13723 | SN | 1 | 0.0 | 28.513 | 12.461 | 0.0 | 23.582 | 12.887 | 0.0 | 71.96 | 7.064 | 0.0 | 63.533 | 9.764 | 0.0 | 1.378 | 0.0 | 0.0 | 1.733 | 0.0 | 0.0 | 1.772 | 0.0 | 0.0 | 2.081 | 0.0 |
| 67 | 13722 | 13723 | SN | 1 | 0.0 | 22.992 | 4.662 | 0.0 | 20.946 | 6.323 | 0.0 | 64.487 | 0.805 | 0.0 | 278.334 | 1.779 | 0.0 | 1.351 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 2.082 | 0.0 |
| 68 | 13722 | 13723 | NS | 1 | 0.0 | 24.591 | 10.692 | 0.0 | 31.733 | 15.813 | 0.0 | 356.277 | 13.313 | 0.0 | 143.655 | 15.243 | 0.0 | 1.412 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 1.876 | 0.0 | 0.0 | 2.18 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 69 | 13723 | 13724 | NS | 1 | 0.0 | 70.065 | 10.766 | 0.0 | 29.114 | 15.801 | 0.0 | 264.844 | 13.346 | 0.0 | 141.256 | 15.251 | 0.0 | 1.413 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.179 | 0.0 |
| 70 | 13723 | 13724 | NS | 1 | 0.0 | 70.065 | 10.766 | 0.0 | 29.114 | 15.801 | 0.0 | 264.844 | 13.346 | 0.0 | 141.256 | 15.251 | 0.0 | 1.413 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.179 | 0.0 |
| 71 | 13723 | 13724 | NS | 1 | 0.0 | 23.858 | 7.11 | 0.0 | 23.56 | 8.791 | 0.0 | 216.533 | 4.475 | 0.0 | 130.54 | 5.622 | 0.0 | 1.427 | 0.0 | 0.0 | 1.821 | 0.0 | 0.0 | 1.896 | 0.0 | 0.0 | 2.181 | 0.0 |
| 72 | 13723 | 13724 | SN | 1 | 0.0 | 23.036 | 4.655 | 0.0 | 20.888 | 6.287 | 0.0 | 72.649 | 0.822 | 0.0 | 40.739 | 1.747 | 0.0 | 1.351 | 0.0 | 0.0 | 1.741 | 0.0 | 0.0 | 1.793 | 0.0 | 0.0 | 2.083 | 0.0 |
| 73 | 13723 | 13724 | SN | 1 | 0.0 | 28.093 | 12.386 | 0.0 | 36.154 | 12.842 | 0.0 | 75.671 | 7.009 | 0.0 | 102.262 | 9.698 | 0.0 | 1.365 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 2.082 | 0.0 |
| 74 | 13723 | 13724 | NS | 1 | 0.0 | 23.858 | 7.11 | 0.0 | 23.56 | 8.791 | 0.0 | 216.533 | 4.475 | 0.0 | 130.54 | 5.622 | 0.0 | 1.427 | 0.0 | 0.0 | 1.821 | 0.0 | 0.0 | 1.896 | 0.0 | 0.0 | 2.181 | 0.0 |
| 75 | 13724 | 13725 | SN | 1 | 0.0 | 23.02 | 4.685 | 0.0 | 20.888 | 6.346 | 0.0 | 63.34 | 0.804 | 0.0 | 263.543 | 1.788 | 0.0 | 1.35 | 0.0 | 0.0 | 1.73 | 0.0 | 0.0 | 1.808 | 0.0 | 0.0 | 2.081 | 0.0 |
| 76 | 13724 | 13725 | NS | 1 | 0.0 | 23.847 | 7.135 | 0.0 | 25.645 | 8.734 | 0.0 | 355.533 | 4.554 | 0.0 | 16.716 | 5.504 | 0.0 | 1.435 | 0.0 | 0.0 | 1.821 | 0.0 | 0.0 | 1.896 | 0.0 | 0.0 | 2.181 | 0.0 |
| 77 | 13724 | 13725 | SN | 1 | 0.0 | 28.115 | 12.429 | 0.0 | 277.584 | 12.857 | 0.0 | 81.859 | 7.076 | 0.0 | 263.543 | 9.771 | 0.0 | 1.398 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 2.083 | 0.0 |
| 78 | 13724 | 13725 | NS | 1 | 0.0 | 23.847 | 7.074 | 0.0 | 25.645 | 8.739 | 0.0 | 355.533 | 4.475 | 0.0 | 123.652 | 5.537 | 0.0 | 1.435 | 0.0 | 0.0 | 1.821 | 0.0 | 0.0 | 1.896 | 0.0 | 0.0 | 2.181 | 0.0 |
| 79 | 13724 | 13725 | NS | 1 | 0.0 | 24.608 | 10.613 | 0.0 | 29.092 | 15.682 | 0.0 | 350.955 | 13.165 | 0.0 | 144.234 | 15.133 | 0.0 | 1.411 | 0.0 | 0.0 | 1.821 | 0.0 | 0.0 | 1.887 | 0.0 | 0.0 | 2.181 | 0.0 |
| 80 | 13724 | 13725 | NS | 1 | 0.0 | 24.608 | 10.613 | 0.0 | 29.092 | 15.474 | 0.0 | 350.955 | 13.342 | 0.0 | 17.769 | 14.924 | 0.0 | 1.411 | 0.0 | 0.0 | 1.821 | 0.0 | 0.0 | 1.887 | 0.0 | 0.0 | 2.181 | 0.0 |
| 81 | 13725 | 13726 | SN | 1 | 0.0 | 28.264 | 12.361 | 0.0 | 24.294 | 12.747 | 0.0 | 91.825 | 6.989 | 0.0 | 44.407 | 9.709 | 0.0 | 1.363 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.804 | 0.0 | 0.0 | 2.08 | 0.0 |
| 82 | 13725 | 13726 | NS | 1 | 0.0 | 155.153 | 10.612 | 0.0 | 29.097 | 15.706 | 0.0 | 351.766 | 12.964 | 0.0 | 151.833 | 15.2 | 0.0 | 1.41 | 0.0 | 0.0 | 1.821 | 0.0 | 0.0 | 1.889 | 0.0 | 0.0 | 2.181 | 0.0 |
| 83 | 13725 | 13726 | SN | 1 | 0.0 | 28.264 | 12.361 | 0.0 | 24.294 | 12.747 | 0.0 | 91.825 | 6.989 | 0.0 | 44.407 | 9.709 | 0.0 | 1.363 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.804 | 0.0 | 0.0 | 2.08 | 0.0 |
| 84 | 13725 | 13726 | NS | 1 | 0.0 | 155.153 | 10.612 | 0.0 | 29.097 | 15.706 | 0.0 | 351.766 | 12.964 | 0.0 | 151.817 | 15.2 | 0.0 | 1.41 | 0.0 | 0.0 | 1.821 | 0.0 | 0.0 | 1.889 | 0.0 | 0.0 | 2.181 | 0.0 |
| 85 | 13725 | 13726 | SN | 1 | 0.0 | 23.042 | 4.638 | 0.0 | 20.83 | 6.294 | 0.0 | 76.923 | 0.82 | 0.0 | 27.371 | 1.685 | 0.0 | 1.352 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.793 | 0.0 | 0.0 | 2.08 | 0.0 |
| 86 | 13725 | 13726 | NS | 1 | 0.0 | 155.153 | 10.691 | 0.0 | 29.097 | 15.338 | 0.0 | 351.766 | 13.29 | 0.0 | 16.755 | 14.647 | 0.0 | 1.41 | 0.0 | 0.0 | 1.821 | 0.0 | 0.0 | 1.889 | 0.0 | 0.0 | 2.181 | 0.0 |
| 87 | 13725 | 13726 | SN | 1 | 0.0 | 23.042 | 4.638 | 0.0 | 20.83 | 6.294 | 0.0 | 76.923 | 0.822 | 0.0 | 27.371 | 1.685 | 0.0 | 1.352 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.793 | 0.0 | 0.0 | 2.08 | 0.0 |
| 88 | 13725 | 13726 | NS | 1 | 0.0 | 206.391 | 7.103 | 0.0 | 25.661 | 8.772 | 0.0 | 355.88 | 4.511 | 0.0 | 114.828 | 5.619 | 0.0 | 1.435 | 0.0 | 0.0 | 1.821 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.182 | 0.0 |
| 89 | 13725 | 13726 | NS | 1 | 0.0 | 206.391 | 7.103 | 0.0 | 25.661 | 8.772 | 0.0 | 355.88 | 4.511 | 0.0 | 114.844 | 5.62 | 0.0 | 1.435 | 0.0 | 0.0 | 1.821 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.182 | 0.0 |
| 90 | 13725 | 13726 | NS | 1 | 0.0 | 206.391 | 7.225 | 0.0 | 25.661 | 8.814 | 0.0 | 355.88 | 4.661 | 0.0 | 16.738 | 5.635 | 0.0 | 1.435 | 0.0 | 0.0 | 1.821 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.182 | 0.0 |
| 91 | 13726 | 13727 | NS | 1 | 0.0 | 78.873 | 7.145 | 0.0 | 25.667 | 8.792 | 0.0 | 220.526 | 4.574 | 0.0 | 132.106 | 5.65 | 0.0 | 1.431 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.182 | 0.0 |
| 92 | 13726 | 13727 | NS | 1 | 0.0 | 122.932 | 10.863 | 0.0 | 29.103 | 15.239 | 0.0 | 244.45 | 13.795 | 0.0 | 16.771 | 14.491 | 0.0 | 1.411 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.876 | 0.0 | 0.0 | 2.182 | 0.0 |
| 93 | 13726 | 13727 | SN | 1 | 0.0 | 28.342 | 12.387 | 0.0 | 102.041 | 12.831 | 0.0 | 88.736 | 6.968 | 0.0 | 71.987 | 9.652 | 0.0 | 1.361 | 0.0 | 0.0 | 1.73 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.079 | 0.0 |
| 94 | 13726 | 13727 | NS | 1 | 0.0 | 122.932 | 10.711 | 0.0 | 29.5 | 15.81 | 0.0 | 244.45 | 12.993 | 0.0 | 143.065 | 15.233 | 0.0 | 1.411 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.876 | 0.0 | 0.0 | 2.182 | 0.0 |
| 95 | 13726 | 13727 | NS | 1 | 0.0 | 78.873 | 7.404 | 0.0 | 25.667 | 8.956 | 0.0 | 220.526 | 4.912 | 0.0 | 16.755 | 5.795 | 0.0 | 1.431 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.182 | 0.0 |
| 96 | 13726 | 13727 | SN | 1 | 0.0 | 23.014 | 4.645 | 0.0 | 20.803 | 6.268 | 0.0 | 73.598 | 0.801 | 0.0 | 52.569 | 1.708 | 0.0 | 1.349 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 2.08 | 0.0 |
| 97 | 13726 | 13727 | NS | 1 | 0.0 | 78.873 | 7.136 | 0.0 | 25.667 | 8.79 | 0.0 | 220.526 | 4.57 | 0.0 | 132.134 | 5.649 | 0.0 | 1.431 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.182 | 0.0 |
| 98 | 13726 | 13727 | SN | 1 | 0.0 | 28.342 | 12.387 | 0.0 | 102.041 | 12.831 | 0.0 | 88.736 | 6.968 | 0.0 | 71.987 | 9.659 | 0.0 | 1.361 | 0.0 | 0.0 | 1.73 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.079 | 0.0 |
| 99 | 13726 | 13727 | NS | 1 | 0.0 | 122.932 | 10.711 | 0.0 | 29.494 | 15.81 | 0.0 | 244.45 | 13.0 | 0.0 | 143.043 | 15.233 | 0.0 | 1.411 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.876 | 0.0 | 0.0 | 2.182 | 0.0 |
| 100 | 13726 | 13727 | SN | 1 | 0.0 | 23.014 | 4.645 | 0.0 | 20.803 | 6.268 | 0.0 | 73.598 | 0.801 | 0.0 | 52.569 | 1.71 | 0.0 | 1.349 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 2.08 | 0.0 |
| 101 | 13727 | 13728 | NS | 1 | 0.0 | 209.485 | 10.741 | 0.0 | 29.516 | 15.841 | 0.0 | 220.752 | 12.985 | 0.0 | 129.239 | 15.353 | 0.0 | 1.4 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.878 | 0.0 | 0.0 | 2.182 | 0.0 |
| 102 | 13727 | 13728 | SN | 1 | 0.0 | 28.309 | 12.51 | 0.0 | 55.544 | 12.864 | 0.0 | 75.583 | 7.028 | 0.0 | 45.482 | 9.693 | 0.0 | 1.384 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.794 | 0.0 | 0.0 | 2.081 | 0.0 |
| 103 | 13727 | 13728 | NS | 1 | 0.0 | 209.485 | 10.741 | 0.0 | 29.511 | 15.841 | 0.0 | 220.752 | 12.985 | 0.0 | 129.2 | 15.346 | 0.0 | 1.4 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.878 | 0.0 | 0.0 | 2.182 | 0.0 |
| 104 | 13727 | 13728 | SN | 1 | 0.0 | 28.314 | 12.52 | 0.0 | 127.162 | 12.854 | 0.0 | 75.578 | 7.042 | 0.0 | 45.493 | 9.707 | 0.0 | 1.383 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 2.081 | 0.0 |
| 105 | 13727 | 13728 | SN | 1 | 0.0 | 22.981 | 4.646 | 0.0 | 195.603 | 6.327 | 0.0 | 67.796 | 0.828 | 0.0 | 46.26 | 1.732 | 0.0 | 1.359 | 0.0 | 0.0 | 1.728 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 2.08 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 106 | 13727 | 13728 | NS | 1 | 0.0 | 209.485 | 10.953 | 0.0 | 29.092 | 15.229 | 0.0 | 220.752 | 14.485 | 0.0 | 16.771 | 14.568 | 0.0 | 1.4 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.878 | 0.0 | 0.0 | 2.182 | 0.0 |
| 107 | 13727 | 13728 | SN | 1 | 0.0 | 28.314 | 12.599 | 0.0 | 127.162 | 12.322 | 0.0 | 75.578 | 7.37 | 0.0 | 13.208 | 8.385 | 0.0 | 1.383 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.789 | 0.0 | 0.0 | 2.081 | 0.0 |
| 108 | 13727 | 13728 | NS | 1 | 0.0 | 162.444 | 7.189 | 0.0 | 25.678 | 8.829 | 0.0 | 239.795 | 4.653 | 0.0 | 174.859 | 5.688 | 0.0 | 1.42 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.182 | 0.0 |
| 109 | 13727 | 13728 | SN | 1 | 0.0 | 22.981 | 4.692 | 0.0 | 18.045 | 6.163 | 0.0 | 67.796 | 0.894 | 0.0 | 11.036 | 1.445 | 0.0 | 1.347 | 0.0 | 0.0 | 1.728 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 2.08 | 0.0 |
| 110 | 13727 | 13728 | NS | 1 | 0.0 | 162.444 | 7.682 | 0.0 | 25.678 | 9.13 | 0.0 | 239.795 | 5.284 | 0.0 | 16.755 | 6.153 | 0.0 | 1.42 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.182 | 0.0 |
| 111 | 13727 | 13728 | NS | 1 | 0.0 | 162.444 | 7.189 | 0.0 | 25.678 | 8.829 | 0.0 | 239.795 | 4.653 | 0.0 | 174.925 | 5.689 | 0.0 | 1.42 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.182 | 0.0 |
| 112 | 13727 | 13728 | SN | 1 | 0.0 | 22.981 | 4.639 | 0.0 | 20.885 | 6.321 | 0.0 | 67.796 | 0.824 | 0.0 | 41.528 | 1.734 | 0.0 | 1.347 | 0.0 | 0.0 | 1.728 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 2.08 | 0.0 |
| 113 | 13728 | 13729 | SN | 1 | 0.0 | 27.2 | 12.501 | 0.0 | 23.262 | 12.487 | 0.0 | 72.258 | 7.19 | 0.0 | 14.289 | 8.785 | 0.0 | 1.383 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 2.082 | 0.0 |
| 114 | 13728 | 13729 | NS | 1 | 0.0 | 206.165 | 7.175 | 0.0 | 25.667 | 8.796 | 0.0 | 133.962 | 4.587 | 0.0 | 182.403 | 5.637 | 0.0 | 1.429 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.183 | 0.0 |
| 115 | 13728 | 13729 | SN | 1 | 0.0 | 27.2 | 12.473 | 0.0 | 24.409 | 12.862 | 0.0 | 72.258 | 7.036 | 0.0 | 81.451 | 9.745 | 0.0 | 1.383 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 2.082 | 0.0 |
| 116 | 13728 | 13729 | SN | 1 | 0.0 | 19.203 | 4.647 | 0.0 | 20.918 | 6.314 | 0.0 | 68.794 | 0.853 | 0.0 | 61.376 | 1.728 | 0.0 | 1.355 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.795 | 0.0 | 0.0 | 2.08 | 0.0 |
| 117 | 13728 | 13729 | NS | 1 | 0.0 | 255.24 | 7.17 | 0.0 | 25.667 | 8.794 | 0.0 | 163.429 | 4.585 | 0.0 | 182.48 | 5.633 | 0.0 | 1.429 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.183 | 0.0 |
| 118 | 13728 | 13729 | SN | 1 | 0.0 | 19.203 | 4.647 | 0.0 | 20.918 | 6.314 | 0.0 | 68.794 | 0.853 | 0.0 | 61.376 | 1.728 | 0.0 | 1.355 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.795 | 0.0 | 0.0 | 2.08 | 0.0 |
| 119 | 13728 | 13729 | NS | 1 | 0.0 | 241.19 | 10.716 | 0.0 | 29.527 | 15.797 | 0.0 | 354.325 | 13.057 | 0.0 | 134.886 | 15.213 | 0.0 | 1.413 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.878 | 0.0 | 0.0 | 2.182 | 0.0 |
| 120 | 13728 | 13729 | NS | 1 | 0.0 | 260.201 | 10.706 | 0.0 | 29.527 | 15.787 | 0.0 | 354.325 | 13.043 | 0.0 | 134.82 | 15.213 | 0.0 | 1.413 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.878 | 0.0 | 0.0 | 2.182 | 0.0 |
| 121 | 13728 | 13729 | SN | 1 | 0.0 | 27.2 | 12.473 | 0.0 | 24.409 | 12.862 | 0.0 | 72.258 | 7.036 | 0.0 | 81.451 | 9.745 | 0.0 | 1.383 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 2.082 | 0.0 |
| 122 | 13728 | 13729 | SN | 1 | 0.0 | 19.203 | 4.657 | 0.0 | 18.04 | 6.205 | 0.0 | 68.794 | 0.886 | 0.0 | 11.543 | 1.505 | 0.0 | 1.355 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.795 | 0.0 | 0.0 | 2.08 | 0.0 |
| 123 | 13729 | 13730 | SN | 1 | 0.0 | 29.494 | 12.459 | 0.0 | 23.279 | 12.624 | 0.0 | 84.628 | 6.942 | 0.0 | 17.267 | 9.206 | 0.0 | 1.395 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.795 | 0.0 | 0.0 | 2.082 | 0.0 |
| 124 | 13729 | 13730 | SN | 1 | 0.0 | 24.476 | 4.65 | 0.0 | 161.377 | 6.213 | 0.0 | 78.269 | 0.796 | 0.0 | 12.988 | 1.547 | 0.0 | 1.345 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.806 | 0.0 | 0.0 | 2.08 | 0.0 |
| 125 | 13729 | 13730 | SN | 1 | 0.0 | 24.476 | 4.632 | 0.0 | 161.377 | 6.239 | 0.0 | 78.269 | 0.79 | 0.0 | 38.644 | 1.681 | 0.0 | 1.345 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.806 | 0.0 | 0.0 | 2.08 | 0.0 |
| 126 | 13729 | 13730 | NS | 1 | 0.0 | 25.419 | 10.766 | 0.0 | 29.527 | 15.771 | 0.0 | 200.898 | 13.119 | 0.0 | 180.776 | 15.292 | 0.0 | 1.405 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.18 | 0.0 |
| 127 | 13729 | 13730 | NS | 1 | 0.0 | 22.887 | 7.11 | 0.0 | 25.65 | 8.811 | 0.0 | 217.589 | 4.584 | 0.0 | 126.244 | 5.647 | 0.0 | 1.431 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.182 | 0.0 |
| 128 | 13729 | 13730 | SN | 1 | 0.0 | 29.494 | 12.445 | 0.0 | 24.332 | 12.808 | 0.0 | 84.628 | 6.891 | 0.0 | 43.023 | 9.556 | 0.0 | 1.395 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.795 | 0.0 | 0.0 | 2.082 | 0.0 |
| 129 | 13729 | 13730 | SN | 1 | 0.0 | 29.494 | 12.445 | 0.0 | 24.332 | 12.808 | 0.0 | 84.628 | 6.891 | 0.0 | 43.023 | 9.556 | 0.0 | 1.395 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.795 | 0.0 | 0.0 | 2.082 | 0.0 |
| 130 | 13729 | 13730 | SN | 1 | 0.0 | 24.476 | 4.632 | 0.0 | 161.377 | 6.239 | 0.0 | 78.269 | 0.79 | 0.0 | 38.644 | 1.681 | 0.0 | 1.345 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.806 | 0.0 | 0.0 | 2.08 | 0.0 |
| 131 | 13729 | 13730 | NS | 1 | 0.0 | 22.887 | 7.11 | 0.0 | 25.65 | 8.811 | 0.0 | 217.589 | 4.584 | 0.0 | 126.244 | 5.647 | 0.0 | 1.431 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.182 | 0.0 |
| 132 | 13729 | 13730 | NS | 1 | 0.0 | 25.419 | 10.766 | 0.0 | 29.527 | 15.771 | 0.0 | 200.898 | 13.119 | 0.0 | 180.776 | 15.292 | 0.0 | 1.405 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.18 | 0.0 |
| 133 | 13730 | 13731 | NS | 1 | 0.0 | 209.556 | 10.766 | 0.0 | 29.555 | 15.8 | 0.0 | 144.082 | 13.069 | 0.0 | 186.716 | 15.229 | 0.0 | 1.404 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.871 | 0.0 | 0.0 | 2.179 | 0.0 |
| 134 | 13730 | 13731 | SN | 1 | 0.0 | 28.165 | 12.38 | 0.0 | 277.038 | 12.582 | 0.0 | 79.752 | 6.676 | 0.0 | 19.518 | 9.299 | 0.0 | 1.37 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 2.081 | 0.0 |
| 135 | 13730 | 13731 | NS | 1 | 0.0 | 150.822 | 10.773 | 0.0 | 29.279 | 15.774 | 0.0 | 351.33 | 13.082 | 0.0 | 144.339 | 15.235 | 0.0 | 1.41 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 1.889 | 0.0 | 0.0 | 2.181 | 0.0 |
| 136 | 13730 | 13731 | NS | 1 | 0.0 | 153.168 | 7.11 | 0.0 | 25.65 | 8.779 | 0.0 | 350.641 | 4.54 | 0.0 | 133.634 | 5.647 | 0.0 | 1.429 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 1.896 | 0.0 | 0.0 | 2.182 | 0.0 |
| 137 | 13730 | 13731 | NS | 1 | 0.0 | 154.508 | 7.106 | 0.0 | 25.65 | 8.779 | 0.0 | 355.605 | 4.532 | 0.0 | 115.589 | 5.628 | 0.0 | 1.425 | 0.0 | 0.0 | 1.821 | 0.0 | 0.0 | 1.895 | 0.0 | 0.0 | 2.181 | 0.0 |
| 138 | 13730 | 13731 | SN | 1 | 0.0 | 23.036 | 4.601 | 0.0 | 267.977 | 6.229 | 0.0 | 47.148 | 0.761 | 0.0 | 43.05 | 1.708 | 0.0 | 1.353 | 0.0 | 0.0 | 1.73 | 0.0 | 0.0 | 1.809 | 0.0 | 0.0 | 2.081 | 0.0 |
| 139 | 13730 | 13731 | SN | 1 | 0.0 | 28.165 | 12.401 | 0.0 | 277.038 | 12.582 | 0.0 | 79.752 | 6.676 | 0.0 | 19.518 | 9.299 | 0.0 | 1.37 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 2.081 | 0.0 |
| 140 | 13730 | 13731 | SN | 1 | 0.0 | 28.165 | 12.369 | 0.0 | 277.038 | 12.729 | 0.0 | 79.752 | 6.66 | 0.0 | 42.736 | 9.596 | 0.0 | 1.37 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 2.081 | 0.0 |
| 141 | 13730 | 13731 | SN | 1 | 0.0 | 23.036 | 4.61 | 0.0 | 267.977 | 6.207 | 0.0 | 47.148 | 0.759 | 0.0 | 14.218 | 1.593 | 0.0 | 1.353 | 0.0 | 0.0 | 1.73 | 0.0 | 0.0 | 1.809 | 0.0 | 0.0 | 2.081 | 0.0 |
| 142 | 13730 | 13731 | SN | 1 | 0.0 | 23.036 | 4.61 | 0.0 | 267.977 | 6.2 | 0.0 | 47.142 | 0.763 | 0.0 | 14.218 | 1.593 | 0.0 | 1.351 | 0.0 | 0.0 | 1.73 | 0.0 | 0.0 | 1.809 | 0.0 | 0.0 | 2.081 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-------|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-------|-------|-----|-----|-------|-----|-----|-------|-----|
| 143 | 13731 | 13732 | SN | 1 | 0.0 | 23.058 | 4.69 | 0.0 | 18.519 | 6.281 | 0.0 | 51.174 | 0.834 | 0.0 | 12.039 | 1.624 | 0.0 | 1.355 | 0.0 | 0.0 | 1.73 | 0.0 | 0.0 | 1.809 | 0.0 | 0.0 | 2.082 | 0.0 |
| 144 | 13731 | 13732 | NS | 1 | 0.0 | 122.629 | 7.08 | 0.0 | 25.639 | 8.717 | 0.0 | 355.836 | 4.414 | 0.0 | 112.809 | 5.549 | 0.0 | 1.436 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 1.896 | 0.0 | 0.0 | 2.182 | 0.0 |
| 145 | 13731 | 13732 | SN | 1 | 0.0 | 28.165 | 12.425 | 0.0 | 23.279 | 12.609 | 0.0 | 77.409 | 6.954 | 0.0 | 16.33 | 9.471 | 0.0 | 1.387 | 0.0 | 0.0 | 1.732 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 2.081 | 0.0 |
| 146 | 13731 | 13732 | NS | 1 | 0.0 | 148.472 | 10.581 | 0.0 | 29.13 | 15.592 | 0.0 | 351.981 | 12.936 | 0.0 | 64.04 | 15.081 | 0.0 | 1.411 | 0.0 | 0.0 | 1.821 | 0.0 | 0.0 | 1.885 | 0.0 | 0.0 | 2.182 | 0.0 |
| 147 | 13733 | 13734 | NS | 1 | 0.0 | 26.003 | 10.654 | 0.0 | 29.218 | 15.739 | 0.0 | 353.978 | 13.092 | 0.0 | 194.652 | 15.159 | 0.0 | 1.411 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 1.888 | 0.0 | 0.0 | 2.182 | 0.0 |
| 148 | 13733 | 13734 | SN | 1 | 0.0 | 37.177 | 12.379 | 0.0 | 23.279 | 12.434 | 0.0 | 74.276 | 6.896 | 0.0 | 126.718 | 8.902 | 0.0 | 1.36 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.801 | 0.0 | 0.0 | 2.08 | 0.0 |
| 149 | 13733 | 13734 | SN | 1 | 0.0 | 23.51 | 4.673 | 0.0 | 18.051 | 6.191 | 0.0 | 66.356 | 0.827 | 0.0 | 186.275 | 1.571 | 0.0 | 1.357 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 2.081 | 0.0 |
| 150 | 13733 | 13734 | NS | 1 | 0.0 | 22.887 | 7.119 | 0.0 | 25.661 | 8.752 | 0.0 | 353.978 | 4.517 | 0.0 | 132.867 | 5.587 | 0.0 | 1.429 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.181 | 0.0 |
| 151 | 13734 | 13735 | SN | 1 | 0.0 | 23.031 | 4.478 | 0.0 | 199.42 | 6.568 | 0.0 | 10.71 | 0.627 | 0.0 | 49.508 | 1.901 | 0.0 | 1.361 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.801 | 0.0 | 0.0 | 2.081 | 0.0 |
| 152 | 13734 | 13735 | SN | 1 | 0.0 | 28.093 | 11.466 | 0.0 | 218.121 | 12.721 | 0.0 | 12.221 | 6.025 | 0.0 | 13.716 | 9.218 | 0.0 | 1.377 | 0.0 | 0.0 | 1.732 | 0.0 | 0.0 | 1.794 | 0.0 | 0.0 | 2.081 | 0.0 |
| 153 | 13734 | 13735 | SN | 1 | 0.0 | 28.099 | 11.5 | 0.0 | 24.288 | 13.232 | 0.0 | 12.221 | 5.893 | 0.0 | 67.564 | 10.433 | 0.0 | 1.387 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.787 | 0.0 | 0.0 | 2.081 | 0.0 |
| 154 | 13734 | 13735 | SN | 1 | 0.0 | 28.093 | 11.5 | 0.0 | 218.121 | 13.255 | 0.0 | 12.221 | 5.908 | 0.0 | 67.564 | 10.409 | 0.0 | 1.377 | 0.0 | 0.0 | 1.732 | 0.0 | 0.0 | 1.794 | 0.0 | 0.0 | 2.081 | 0.0 |
| 155 | 13734 | 13735 | SN | 1 | 0.0 | 23.031 | 4.493 | 0.0 | 199.42 | 6.442 | 0.0 | 10.407 | 0.658 | 0.0 | 11.377 | 1.634 | 0.0 | 1.361 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.801 | 0.0 | 0.0 | 2.081 | 0.0 |
| 156 | 13734 | 13735 | SN | 1 | 0.0 | 23.031 | 4.488 | 0.0 | 20.858 | 6.568 | 0.0 | 10.71 | 0.616 | 0.0 | 49.508 | 1.899 | 0.0 | 1.361 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.801 | 0.0 | 0.0 | 2.081 | 0.0 |
| 157 | 13735 | 13736 | SN | 1 | 0.0 | 23.003 | 4.685 | 0.0 | 18.051 | 6.189 | 0.0 | 78.611 | 0.881 | 0.0 | 11.4 | 1.482 | 0.0 | 1.355 | 0.0 | 0.0 | 1.728 | 0.0 | 0.0 | 1.806 | 0.0 | 0.0 | 2.08 | 0.0 |
| 158 | 13735 | 13736 | SN | 1 | 0.0 | 28.055 | 12.476 | 0.662 | 23.279 | 12.413 | 0.0 | 76.25 | 7.122 | 0.0 | 13.622 | 8.573 | 0.0 | 1.395 | 0.0 | 0.003 | 1.729 | 0.0 | 0.0 | 1.81 | 0.0 | 0.0 | 2.081 | 0.0 |
| 159 | 13735 | 13736 | SN | 1 | 0.0 | 28.055 | 12.439 | 0.662 | 23.279 | 12.899 | 0.0 | 76.25 | 6.927 | 0.0 | 63.582 | 9.722 | 0.0 | 1.395 | 0.0 | 0.003 | 1.729 | 0.0 | 0.0 | 1.81 | 0.0 | 0.0 | 2.081 | 0.0 |
| 160 | 13735 | 13736 | SN | 1 | 0.0 | 28.055 | 12.439 | 0.662 | 23.279 | 12.899 | 0.0 | 76.25 | 6.927 | 0.0 | 63.582 | 9.722 | 0.0 | 1.395 | 0.0 | 0.003 | 1.729 | 0.0 | 0.0 | 1.81 | 0.0 | 0.0 | 2.081 | 0.0 |
| 161 | 13735 | 13736 | NS | 1 | 0.0 | 22.887 | 7.125 | 0.0 | 26.218 | 8.753 | 0.0 | 331.168 | 4.536 | 0.0 | 132.079 | 5.516 | 0.0 | 1.424 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.184 | 0.0 |
| 162 | 13735 | 13736 | NS | 1 | 0.0 | 22.887 | 7.125 | 0.0 | 26.218 | 8.753 | 0.0 | 331.168 | 4.534 | 0.0 | 132.079 | 5.518 | 0.0 | 1.424 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.184 | 0.0 |
| 163 | 13735 | 13736 | NS | 1 | 0.0 | 25.992 | 10.706 | 0.0 | 29.092 | 15.712 | 0.0 | 202.481 | 12.894 | 0.0 | 142.783 | 15.201 | 0.0 | 1.407 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.873 | 0.0 | 0.0 | 2.182 | 0.0 |
| 164 | 13735 | 13736 | NS | 1 | 0.0 | 25.992 | 10.706 | 0.0 | 29.092 | 15.712 | 0.0 | 202.481 | 12.894 | 0.0 | 142.783 | 15.201 | 0.0 | 1.407 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.873 | 0.0 | 0.0 | 2.182 | 0.0 |
| 165 | 13735 | 13736 | SN | 1 | 0.0 | 23.003 | 4.663 | 0.0 | 20.844 | 6.318 | 0.0 | 78.611 | 0.838 | 0.0 | 43.921 | 1.741 | 0.0 | 1.355 | 0.0 | 0.0 | 1.728 | 0.0 | 0.0 | 1.806 | 0.0 | 0.0 | 2.08 | 0.0 |
| 166 | 13735 | 13736 | SN | 1 | 0.0 | 23.003 | 4.663 | 0.0 | 20.844 | 6.318 | 0.0 | 78.611 | 0.838 | 0.0 | 43.921 | 1.741 | 0.0 | 1.355 | 0.0 | 0.0 | 1.728 | 0.0 | 0.0 | 1.806 | 0.0 | 0.0 | 2.08 | 0.0 |
| 167 | 13736 | 13737 | SN | 1 | 0.0 | 22.992 | 4.602 | 0.0 | 20.833 | 6.241 | 0.0 | 64.145 | 0.811 | 0.0 | 38.528 | 1.709 | 0.0 | 1.358 | 0.0 | 0.0 | 1.728 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 2.079 | 0.0 |
| 168 | 13736 | 13737 | NS | 1 | 0.0 | 259.037 | 7.187 | 0.0 | 25.667 | 8.779 | 0.0 | 350.498 | 4.649 | 0.0 | 106.087 | 5.65 | 0.0 | 1.418 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.183 | 0.0 |
| 169 | 13736 | 13737 | NS | 1 | 0.0 | 240.231 | 7.196 | 0.0 | 25.65 | 8.788 | 0.0 | 355.439 | 4.663 | 0.0 | 106.087 | 5.667 | 0.0 | 1.427 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.184 | 0.0 |
| 170 | 13736 | 13737 | NS | 1 | 0.0 | 145.946 | 10.773 | 0.0 | 31.502 | 15.761 | 0.0 | 242.795 | 12.857 | 0.0 | 125.163 | 15.251 | 0.0 | 1.399 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.872 | 0.0 | 0.0 | 2.181 | 0.0 |
| 171 | 13736 | 13737 | NS | 1 | 0.0 | 57.866 | 10.791 | 0.0 | 31.502 | 15.804 | 0.0 | 351.507 | 12.878 | 0.0 | 109.881 | 15.235 | 0.0 | 1.409 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 1.891 | 0.0 | 0.0 | 2.182 | 0.0 |
| 172 | 13736 | 13737 | SN | 1 | 0.0 | 28.11 | 12.436 | 0.0 | 24.249 | 12.815 | 0.0 | 82.692 | 6.874 | 0.0 | 47.418 | 9.587 | 0.0 | 1.37 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.081 | 0.0 |
| 173 | 13736 | 13737 | SN | 1 | 0.0 | 28.11 | 12.445 | 0.0 | 24.249 | 12.816 | 0.0 | 82.73 | 6.867 | 0.0 | 48.416 | 9.601 | 0.0 | 1.37 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.802 | 0.0 | 0.0 | 2.081 | 0.0 |
| 174 | 13736 | 13737 | SN | 1 | 0.0 | 22.992 | 4.602 | 0.0 | 20.839 | 6.247 | 0.0 | 64.117 | 0.811 | 0.0 | 38.539 | 1.702 | 0.0 | 1.358 | 0.0 | 0.0 | 1.728 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 2.08 | 0.0 |
| 175 | 13737 | 13738 | NS | 1 | 0.0 | 25.987 | 10.791 | 0.0 | 29.169 | 15.773 | 0.0 | 355.792 | 12.883 | 0.0 | 147.796 | 15.278 | 0.0 | 1.411 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 1.889 | 0.0 | 0.0 | 2.182 | 0.0 |
| 176 | 13737 | 13738 | SN | 1 | 0.0 | 23.025 | 4.612 | 0.0 | 259.737 | 6.282 | 0.0 | 57.764 | 0.836 | 0.0 | 45.19 | 1.717 | 0.0 | 1.344 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.804 | 0.0 | 0.0 | 2.079 | 0.0 |
| 177 | 13737 | 13738 | NS | 1 | 0.0 | 22.882 | 7.209 | 0.0 | 25.639 | 8.825 | 0.0 | 355.792 | 4.618 | 0.0 | 113.686 | 5.665 | 0.0 | 1.427 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.182 | 0.0 |
| 178 | 13737 | 13738 | SN | 1 | 0.0 | 28.138 | 12.367 | 0.0 | 125.017 | 12.874 | 0.0 | 77.773 | 6.962 | 0.0 | 63.136 | 9.68 | 0.0 | 1.386 | 0.0 | 0.0 | 1.731 | 0.0 | 0.0 | 1.797 | 0.0 | 0.0 | 2.078 | 0.0 |
| 179 | 13737 | 13738 | NS | 1 | 0.0 | 22.882 | 7.209 | 0.0 | 25.639 | 8.825 | 0.0 | 355.792 | 4.618 | 0.0 | 113.686 | 5.665 | 0.0 | 1.427 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.182 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 180 | 13737 | 13738 | NS | 1 | 0.0 | 25.987 | 10.791 | 0.0 | 29.169 | 15.773 | 0.0 | 355.792 | 12.883 | 0.0 | 147.796 | 15.278 | 0.0 | 1.411 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 1.889 | 0.0 | 0.0 | 2.182 | 0.0 |
| 181 | 13738 | 13739 | NS | 1 | 0.0 | 58.407 | 7.187 | 0.0 | 25.639 | 8.811 | 0.0 | 149.084 | 4.59 | 0.0 | 121.358 | 5.65 | 0.0 | 1.426 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.183 | 0.0 |
| 182 | 13738 | 13739 | SN | 1 | 0.0 | 23.014 | 4.61 | 0.0 | 237.338 | 6.262 | 0.0 | 56.275 | 0.826 | 0.0 | 248.87 | 1.692 | 0.0 | 1.359 | 0.0 | 0.0 | 1.728 | 0.0 | 0.0 | 1.804 | 0.0 | 0.0 | 2.079 | 0.0 |
| 183 | 13738 | 13739 | NS | 1 | 0.0 | 25.992 | 10.758 | 0.0 | 29.202 | 15.754 | 0.0 | 247.191 | 12.752 | 0.0 | 150.063 | 15.193 | 0.0 | 1.41 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 1.89 | 0.0 | 0.0 | 2.183 | 0.0 |
| 184 | 13738 | 13739 | NS | 1 | 0.0 | 25.992 | 10.758 | 0.0 | 29.202 | 15.744 | 0.0 | 247.191 | 12.759 | 0.0 | 150.08 | 15.193 | 0.0 | 1.41 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 1.89 | 0.0 | 0.0 | 2.183 | 0.0 |
| 185 | 13738 | 13739 | SN | 1 | 0.0 | 28.507 | 12.342 | 0.0 | 84.063 | 12.808 | 0.0 | 75.892 | 6.872 | 0.0 | 70.41 | 9.674 | 0.0 | 1.388 | 0.0 | 0.0 | 1.73 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 2.078 | 0.0 |
| 186 | 13738 | 13739 | NS | 1 | 0.0 | 22.882 | 7.187 | 0.0 | 25.639 | 8.811 | 0.0 | 149.084 | 4.59 | 0.0 | 121.38 | 5.648 | 0.0 | 1.426 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.183 | 0.0 |
| 187 | 13738 | 13739 | SN | 1 | 0.0 | 28.507 | 12.342 | 0.0 | 84.063 | 12.808 | 0.0 | 75.892 | 6.872 | 0.0 | 70.41 | 9.674 | 0.0 | 1.388 | 0.0 | 0.0 | 1.73 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 2.078 | 0.0 |
| 188 | 13738 | 13739 | SN | 1 | 0.0 | 23.014 | 4.61 | 0.0 | 237.338 | 6.262 | 0.0 | 56.275 | 0.826 | 0.0 | 248.87 | 1.692 | 0.0 | 1.359 | 0.0 | 0.0 | 1.728 | 0.0 | 0.0 | 1.804 | 0.0 | 0.0 | 2.079 | 0.0 |
| 189 | 13739 | 13740 | NS | 1 | 0.0 | 70.143 | 10.804 | 0.0 | 29.075 | 15.588 | 0.0 | 165.161 | 12.987 | 0.0 | 17.869 | 15.077 | 0.0 | 1.403 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.887 | 0.0 | 0.0 | 2.183 | 0.0 |
| 190 | 13739 | 13740 | SN | 1 | 0.0 | 28.237 | 12.401 | 0.0 | 23.588 | 12.808 | 0.0 | 73.195 | 6.988 | 0.0 | 65.105 | 9.745 | 0.0 | 1.387 | 0.0 | 0.0 | 1.73 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 2.08 | 0.0 |
| 191 | 13739 | 13740 | SN | 1 | 0.0 | 28.237 | 12.401 | 0.0 | 23.588 | 12.808 | 0.0 | 73.195 | 6.988 | 0.0 | 65.105 | 9.745 | 0.0 | 1.387 | 0.0 | 0.0 | 1.73 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 2.08 | 0.0 |
| 192 | 13739 | 13740 | NS | 1 | 0.0 | 70.143 | 10.783 | 0.0 | 29.577 | 15.779 | 0.0 | 165.161 | 12.794 | 0.0 | 129.277 | 15.347 | 0.0 | 1.403 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.887 | 0.0 | 0.0 | 2.183 | 0.0 |
| 193 | 13739 | 13740 | NS | 1 | 0.0 | 70.143 | 10.783 | 0.0 | 29.577 | 15.779 | 0.0 | 165.161 | 12.794 | 0.0 | 129.277 | 15.347 | 0.0 | 1.403 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.887 | 0.0 | 0.0 | 2.183 | 0.0 |
| 194 | 13739 | 13740 | SN | 1 | 0.0 | 23.031 | 4.622 | 0.0 | 21.575 | 6.255 | 0.0 | 53.203 | 0.844 | 0.0 | 67.893 | 1.719 | 0.0 | 1.361 | 0.0 | 0.0 | 1.728 | 0.0 | 0.0 | 1.807 | 0.0 | 0.0 | 2.079 | 0.0 |
| 195 | 13739 | 13740 | SN | 1 | 0.0 | 23.031 | 4.622 | 0.0 | 21.575 | 6.255 | 0.0 | 53.203 | 0.844 | 0.0 | 67.893 | 1.719 | 0.0 | 1.361 | 0.0 | 0.0 | 1.728 | 0.0 | 0.0 | 1.807 | 0.0 | 0.0 | 2.079 | 0.0 |
| 196 | 13739 | 13740 | NS | 1 | 0.0 | 70.043 | 7.331 | 0.0 | 25.667 | 8.866 | 0.0 | 172.203 | 4.755 | 0.0 | 16.744 | 5.667 | 0.0 | 1.434 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.184 | 0.0 |
| 197 | 13739 | 13740 | NS | 1 | 0.0 | 70.043 | 7.261 | 0.0 | 25.667 | 8.829 | 0.0 | 172.203 | 4.666 | 0.0 | 136.232 | 5.706 | 0.0 | 1.434 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.184 | 0.0 |
| 198 | 13739 | 13740 | NS | 1 | 0.0 | 70.043 | 7.261 | 0.0 | 25.667 | 8.829 | 0.0 | 172.203 | 4.666 | 0.0 | 136.232 | 5.706 | 0.0 | 1.434 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.184 | 0.0 |
| 199 | 13740 | 13741 | NS | 1 | 0.0 | 162.216 | 10.758 | 0.0 | 29.588 | 15.692 | 0.0 | 229.372 | 12.636 | 0.0 | 133.673 | 15.195 | 0.0 | 1.396 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.889 | 0.0 | 0.0 | 2.183 | 0.0 |
| 200 | 13740 | 13741 | SN | 1 | 0.0 | 23.009 | 4.6 | 0.0 | 21.575 | 6.233 | 0.0 | 75.815 | 0.84 | 0.0 | 44.186 | 1.718 | 0.0 | 1.361 | 0.0 | 0.0 | 1.728 | 0.0 | 0.0 | 1.79 | 0.0 | 0.0 | 2.079 | 0.0 |
| 201 | 13740 | 13741 | NS | 1 | 0.0 | 235.234 | 7.227 | 0.0 | 26.61 | 8.767 | 0.0 | 178.176 | 4.684 | 0.0 | 141.151 | 5.618 | 0.0 | 1.432 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.184 | 0.0 |
| 202 | 13740 | 13741 | NS | 1 | 0.0 | 162.216 | 10.758 | 0.0 | 29.588 | 15.692 | 0.0 | 229.372 | 12.636 | 0.0 | 133.673 | 15.195 | 0.0 | 1.396 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.889 | 0.0 | 0.0 | 2.183 | 0.0 |
| 203 | 13740 | 13741 | NS | 1 | 0.0 | 235.234 | 7.234 | 0.0 | 26.61 | 8.767 | 0.0 | 178.176 | 4.688 | 0.0 | 141.151 | 5.619 | 0.0 | 1.432 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.184 | 0.0 |
| 204 | 13740 | 13741 | NS | 1 | 0.0 | 235.234 | 7.415 | 0.0 | 26.61 | 8.875 | 0.0 | 178.176 | 4.923 | 0.0 | 16.915 | 5.68 | 0.0 | 1.432 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.184 | 0.0 |
| 205 | 13740 | 13741 | SN | 1 | 0.0 | 28.446 | 12.439 | 0.0 | 23.643 | 12.869 | 0.0 | 87.418 | 6.927 | 0.0 | 45.543 | 9.606 | 0.0 | 1.391 | 0.0 | 0.0 | 1.73 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 2.079 | 0.0 |
| 206 | 13740 | 13741 | NS | 1 | 0.0 | 162.216 | 10.852 | 0.0 | 29.086 | 15.23 | 0.0 | 229.372 | 13.139 | 0.0 | 16.887 | 14.538 | 0.0 | 1.396 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.889 | 0.0 | 0.0 | 2.183 | 0.0 |
| 207 | 13741 | 13742 | SN | 1 | 0.0 | 28.38 | 12.468 | 0.0 | 24.272 | 12.811 | 0.0 | 78.274 | 6.887 | 0.0 | 81.313 | 9.556 | 0.0 | 1.389 | 0.0 | 0.0 | 1.73 | 0.0 | 0.0 | 1.795 | 0.0 | 0.0 | 2.079 | 0.0 |
| 208 | 13741 | 13742 | NS | 1 | 0.0 | 238.797 | 7.627 | 0.0 | 25.678 | 9.051 | 0.0 | 218.656 | 5.196 | 0.0 | 16.76 | 5.977 | 0.0 | 1.423 | 0.0 | 0.0 | 1.826 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.185 | 0.0 |
| 209 | 13741 | 13742 | NS | 1 | 0.0 | 154.627 | 10.879 | 0.0 | 29.075 | 15.169 | 0.0 | 192.918 | 13.71 | 0.0 | 16.771 | 14.48 | 0.0 | 1.413 | 0.0 | 0.0 | 1.825 | 0.0 | 0.0 | 1.877 | 0.0 | 0.0 | 2.183 | 0.0 |
| 210 | 13741 | 13742 | NS | 1 | 0.0 | 238.797 | 7.234 | 0.0 | 25.678 | 8.783 | 0.0 | 218.656 | 4.739 | 0.0 | 118.644 | 5.686 | 0.0 | 1.423 | 0.0 | 0.0 | 1.826 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.185 | 0.0 |
| 211 | 13741 | 13742 | NS | 1 | 0.0 | 154.627 | 10.717 | 0.0 | 31.877 | 15.766 | 0.0 | 192.918 | 12.643 | 0.0 | 136.926 | 15.251 | 0.0 | 1.413 | 0.0 | 0.0 | 1.825 | 0.0 | 0.0 | 1.877 | 0.0 | 0.0 | 2.183 | 0.0 |
| 212 | 13741 | 13742 | NS | 1 | 0.0 | 238.797 | 7.235 | 0.0 | 25.678 | 8.808 | 0.0 | 218.656 | 4.71 | 0.0 | 122.394 | 5.686 | 0.0 | 1.423 | 0.0 | 0.0 | 1.826 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.185 | 0.0 |
| 213 | 13741 | 13742 | NS | 1 | 0.0 | 154.627 | 10.695 | 0.0 | 30.928 | 15.766 | 0.0 | 192.918 | 12.648 | 0.0 | 136.926 | 15.251 | 0.0 | 1.413 | 0.0 | 0.0 | 1.825 | 0.0 | 0.0 | 1.877 | 0.0 | 0.0 | 2.183 | 0.0 |
| 214 | 13741 | 13742 | SN | 1 | 0.0 | 28.38 | 12.468 | 0.0 | 24.272 | 12.8 | 0.0 | 78.285 | 6.88 | 0.0 | 81.308 | 9.542 | 0.0 | 1.379 | 0.0 | 0.0 | 1.73 | 0.0 | 0.0 | 1.794 | 0.0 | 0.0 | 2.079 | 0.0 |
| 215 | 13741 | 13742 | SN | 1 | 0.0 | 22.975 | 4.578 | 0.0 | 21.575 | 6.197 | 0.0 | 74.993 | 0.825 | 0.0 | 60.389 | 1.691 | 0.0 | 1.35 | 0.0 | 0.0 | 1.727 | 0.0 | 0.0 | 1.809 | 0.0 | 0.0 | 2.079 | 0.0 |
| 216 | 13741 | 13742 | SN | 1 | 0.0 | 22.975 | 4.575 | 0.0 | 21.575 | 6.208 | 0.0 | 75.004 | 0.82 | 0.0 | 60.384 | 1.691 | 0.0 | 1.35 | 0.0 | 0.0 | 1.727 | 0.0 | 0.0 | 1.808 | 0.0 | 0.0 | 2.079 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|--------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 217 | 13742 | 13743 | SN | 1 | 0.0 | 28.06 | 12.388 | 0.0 | 23.593 | 12.861 | 0.0 | 73.813 | 6.913 | 0.0 | 47.821 | 9.562 | 0.0 | 1.371 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.809 | 0.0 | 0.0 | 2.078 | 0.0 |
| 218 | 13742 | 13743 | NS | 1 | 0.0 | 25.987 | 10.704 | 0.0 | 29.605 | 15.745 | 0.0 | 190.237 | 12.674 | 0.0 | 187.907 | 15.183 | 0.0 | 1.416 | 0.0 | 0.0 | 1.826 | 0.0 | 0.0 | 1.879 | 0.0 | 0.0 | 2.184 | 0.0 |
| 219 | 13742 | 13743 | SN | 1 | 0.0 | 28.06 | 12.404 | 0.0 | 23.279 | 12.334 | 0.0 | 73.813 | 7.132 | 0.0 | 13.462 | 8.345 | 0.0 | 1.371 | 0.0 | 0.0 | 1.729 | 0.0 | 0.0 | 1.809 | 0.0 | 0.0 | 2.078 | 0.0 |
| 220 | 13742 | 13743 | NS | 1 | 0.0 | 25.987 | 10.953 | 0.0 | 29.081 | 15.191 | 0.0 | 190.237 | 14.493 | 0.0 | 16.771 | 14.688 | 0.0 | 1.416 | 0.0 | 0.0 | 1.826 | 0.0 | 0.0 | 1.879 | 0.0 | 0.0 | 2.184 | 0.0 |
| 221 | 13742 | 13743 | NS | 1 | 0.0 | 22.882 | 7.997 | 0.0 | 25.683 | 9.248 | 0.0 | 350.161 | 5.592 | 0.0 | 16.76 | 6.351 | 0.0 | 1.436 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.185 | 0.0 |
| 222 | 13742 | 13743 | NS | 1 | 0.0 | 25.987 | 10.704 | 0.0 | 29.605 | 15.745 | 0.0 | 190.237 | 12.667 | 0.0 | 187.907 | 15.183 | 0.0 | 1.416 | 0.0 | 0.0 | 1.826 | 0.0 | 0.0 | 1.879 | 0.0 | 0.0 | 2.184 | 0.0 |
| 223 | 13742 | 13743 | SN | 1 | 0.0 | 22.959 | 4.575 | 0.0 | 21.547 | 6.255 | 0.0 | 47.462 | 0.856 | 0.0 | 38.009 | 1.693 | 0.0 | 1.362 | 0.0 | 0.0 | 1.727 | 0.0 | 0.0 | 1.793 | 0.0 | 0.0 | 2.079 | 0.0 |
| 224 | 13742 | 13743 | SN | 1 | 0.0 | 22.959 | 4.602 | 0.0 | 18.045 | 6.111 | 0.0 | 47.462 | 0.901 | 0.0 | 11.339 | 1.424 | 0.0 | 1.362 | 0.0 | 0.0 | 1.727 | 0.0 | 0.0 | 1.793 | 0.0 | 0.0 | 2.079 | 0.0 |
| 225 | 13742 | 13743 | NS | 1 | 0.0 | 22.882 | 7.326 | 0.0 | 25.683 | 8.816 | 0.0 | 350.161 | 4.795 | 0.0 | 118.633 | 5.75 | 0.0 | 1.436 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.185 | 0.0 |
| 226 | 13742 | 13743 | NS | 1 | 0.0 | 22.882 | 7.326 | 0.0 | 25.683 | 8.816 | 0.0 | 350.161 | 4.795 | 0.0 | 118.633 | 5.75 | 0.0 | 1.436 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.185 | 0.0 |

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