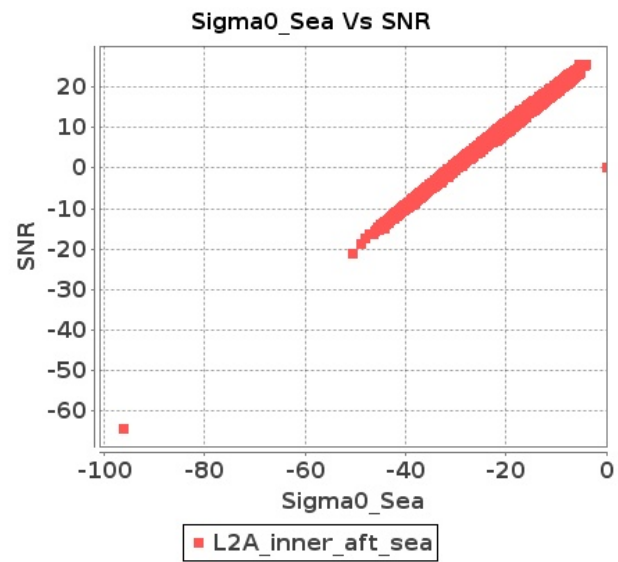


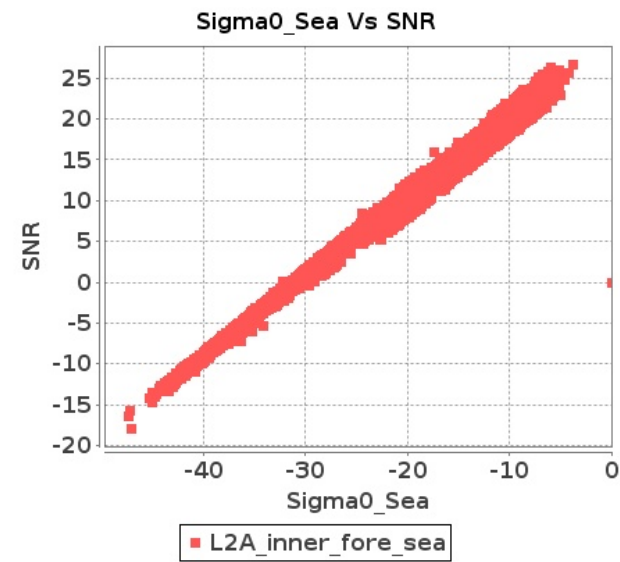
SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 17-JAN-2019 To 18-JAN-2019

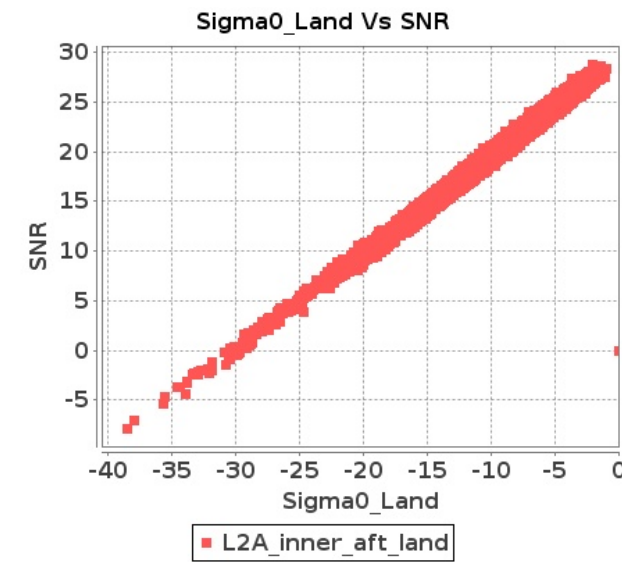
Inner Sea Aft Sigma0VsSNR



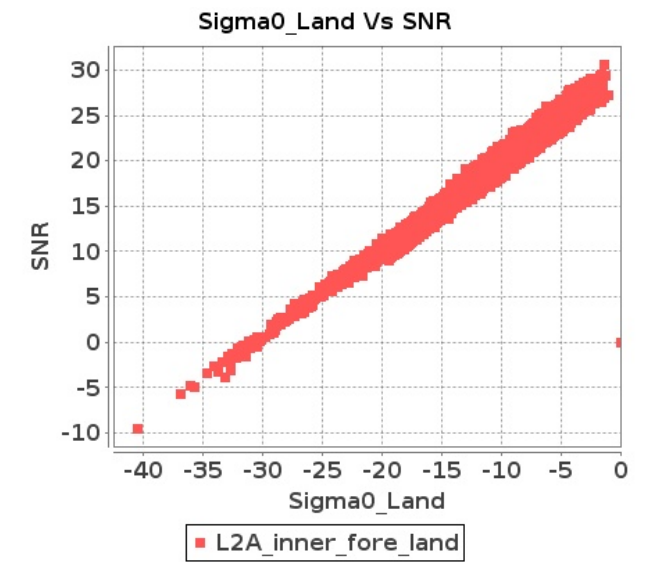
Inner Sea Fore Sigma0VsSNR



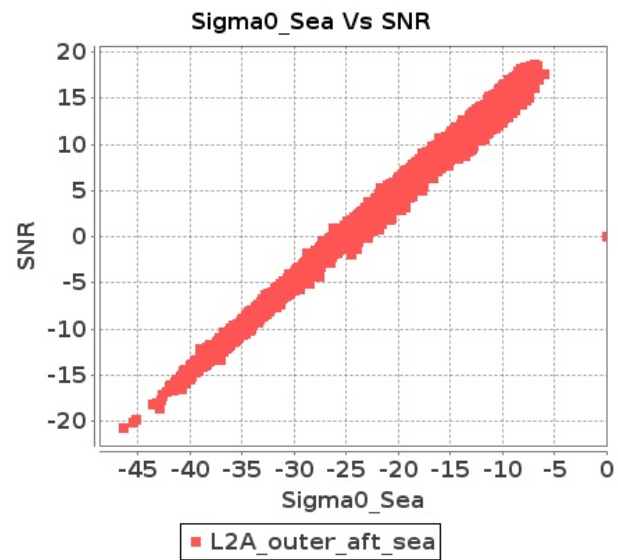
Inner Land Aft Sigma0VsSNR



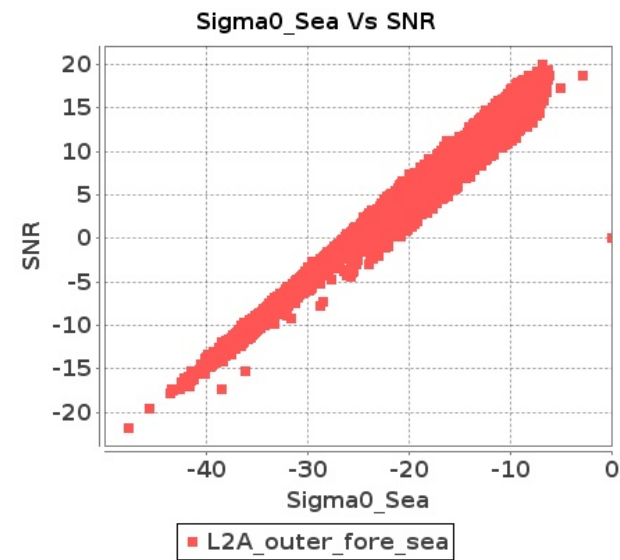
Inner Land Fore Sigma0VsSNR



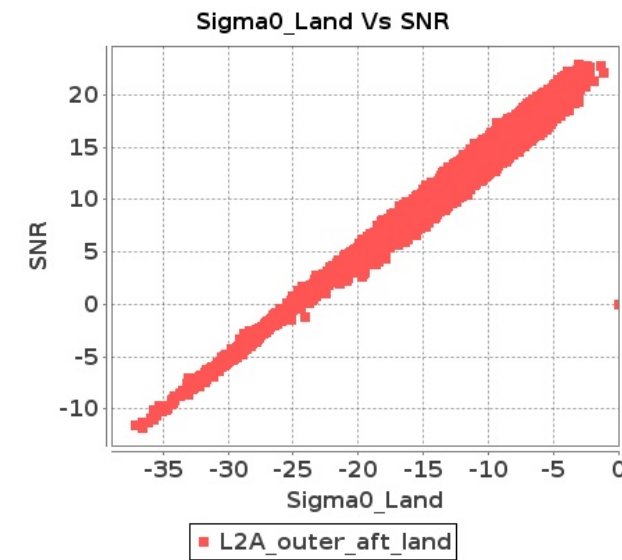
Outer Sea Aft Sigma0VsSNR



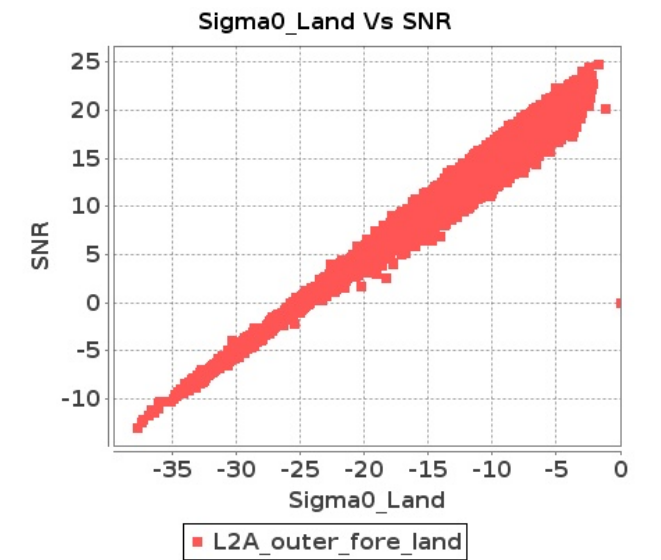
Outer Sea Fore Sigma0VsSNR



Outer Land Aft Sigma0VsSNR



Outer Land Fore Sigma0VsSNR



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

Report between 17-JAN-2019 To 18-JAN-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 | 12220 | 12221 | SN | 1 | 0.0 | 45.511 | 0.949 | 0.0 | 42.85 | 1.149 | 0.0 | 42.262 | 0.906 | 0.0 | 42.994 | 1.253 | 0.0 | 43.364 | 0.935 | 0.0 | 41.486 | 1.01 | 0.0 | 40.429 | 0.921 | 0.0 | 44.27 | 1.036 |
| 2 | 12220 | 12221 | SN | 1 | 0.0 | 49.192 | 3.229 | 0.0 | 51.079 | 3.893 | 0.0 | 42.999 | 3.06 | 0.0 | 41.235 | 4.073 | 0.0 | 50.687 | 3.229 | 0.0 | 53.413 | 3.52 | 0.0 | 42.489 | 3.023 | 0.0 | 42.44 | 3.847 |
| 3 | 12220 | 12221 | SN | 1 | 0.0 | 45.511 | 0.95 | 0.0 | 42.85 | 1.149 | 0.0 | 42.262 | 0.907 | 0.0 | 42.994 | 1.253 | 0.0 | 43.364 | 0.936 | 0.0 | 41.486 | 1.01 | 0.0 | 40.429 | 0.92 | 0.0 | 44.27 | 1.036 |
| 4 | 12220 | 12221 | SN | 1 | 0.0 | 49.192 | 3.233 | 0.0 | 51.079 | 3.893 | 0.0 | 42.999 | 3.071 | 0.0 | 41.235 | 4.073 | 0.0 | 50.687 | 3.233 | 0.0 | 53.413 | 3.52 | 0.0 | 42.489 | 3.026 | 0.0 | 42.44 | 3.847 |
| 5 | 12222 | 12223 | SN | 1 | 0.0 | 37.379 | 0.566 | 0.0 | 41.192 | 0.834 | 0.0 | 41.283 | 0.789 | 0.0 | 37.824 | 1.1 | 0.0 | 36.567 | 0.607 | 0.0 | 45.107 | 0.781 | 0.0 | 40.222 | 0.744 | 0.0 | 37.254 | 0.909 |
| 6 | 12222 | 12223 | SN | 1 | 0.0 | 42.815 | 2.607 | 0.0 | 55.496 | 2.75 | 0.0 | 41.99 | 2.111 | 0.0 | 36.932 | 2.798 | 0.0 | 44.018 | 2.658 | 0.0 | 56.135 | 2.598 | 0.0 | 42.807 | 2.062 | 0.0 | 36.942 | 2.634 |
| 7 | 12222 | 12223 | NS | 1 | 0.0 | 42.346 | 3.054 | 0.0 | 47.703 | 3.902 | 0.0 | 40.528 | 3.387 | 0.0 | 49.765 | 4.55 | 0.0 | 42.031 | 3.054 | 0.0 | 46.124 | 3.639 | 0.0 | 40.772 | 3.188 | 0.0 | 48.779 | 4.089 |
| 8 | 12222 | 12223 | SN | 1 | 0.0 | 37.379 | 0.56 | 0.0 | 41.192 | 0.825 | 0.0 | 41.283 | 0.78 | 0.0 | 37.824 | 1.088 | 0.0 | 36.567 | 0.601 | 0.0 | 45.107 | 0.773 | 0.0 | 40.222 | 0.736 | 0.0 | 37.254 | 0.899 |
| 9 | 12222 | 12223 | NS | 1 | 0.0 | 39.117 | 0.855 | 0.0 | 47.451 | 1.315 | 0.0 | 40.575 | 1.079 | 0.0 | 42.411 | 1.491 | 0.0 | 38.238 | 0.852 | 0.0 | 45.129 | 1.169 | 0.0 | 36.898 | 1.004 | 0.0 | 40.874 | 1.326 |
| 10 | 12222 | 12223 | SN | 1 | 0.0 | 42.815 | 2.635 | 0.0 | 55.496 | 2.778 | 0.0 | 41.99 | 2.136 | 0.0 | 36.932 | 2.827 | 0.0 | 44.018 | 2.686 | 0.0 | 56.135 | 2.625 | 0.0 | 42.807 | 2.085 | 0.0 | 36.942 | 2.661 |
| 11 | 12223 | 12224 | NS | 1 | 0.0 | 42.31 | 1.301 | 0.0 | 45.049 | 2.131 | 0.0 | 40.254 | 1.39 | 0.0 | 42.344 | 2.04 | 0.0 | 42.248 | 1.301 | 0.0 | 44.137 | 2.013 | 0.0 | 38.573 | 1.351 | 0.0 | 38.646 | 1.74 |
| 12 | 12223 | 12224 | NS | 1 | 0.0 | 45.66 | 4.762 | 0.0 | 50.845 | 6.702 | 0.0 | 47.479 | 4.487 | 0.0 | 45.075 | 6.368 | 0.0 | 46.597 | 4.823 | 0.0 | 49.113 | 6.551 | 0.0 | 47.959 | 4.409 | 0.0 | 47.411 | 5.885 |
| 13 | 12223 | 12224 | SN | 1 | 0.0 | 35.61 | 0.504 | 0.0 | 39.512 | 0.768 | 0.0 | 34.733 | 0.776 | 0.0 | 37.917 | 1.125 | 0.0 | 35.923 | 0.481 | 0.0 | 37.868 | 0.646 | 0.0 | 34.271 | 0.691 | 0.0 | 35.132 | 0.89 |
| 14 | 12223 | 12224 | SN | 1 | 0.0 | 33.794 | 1.976 | 0.0 | 42.841 | 2.848 | 0.0 | 38.127 | 2.461 | 0.0 | 50.273 | 3.075 | 0.0 | 35.028 | 1.966 | 0.0 | 41.977 | 2.57 | 0.0 | 38.432 | 2.309 | 0.0 | 45.789 | 2.704 |
| 15 | 12225 | 12226 | NS | 1 | 0.0 | 51.526 | 5.117 | 0.0 | 51.506 | 5.675 | 0.0 | 45.418 | 4.763 | 0.0 | 43.799 | 6.072 | 0.0 | 51.503 | 5.076 | 0.0 | 49.462 | 5.078 | 0.0 | 44.579 | 4.755 | 0.0 | 43.078 | 5.135 |
| 16 | 12225 | 12226 | SN | 1 | 0.093 | 50.547 | 6.022 | 0.0 | 46.555 | 6.702 | 0.0 | 43.081 | 5.759 | 0.0 | 44.088 | 6.866 | 0.076 | 49.833 | 5.917 | 0.0 | 44.838 | 6.512 | 0.0 | 44.429 | 5.774 | 0.0 | 43.702 | 6.5 |
| 17 | 12225 | 12226 | SN | 1 | 0.0 | 50.547 | 5.766 | 0.0 | 46.555 | 6.414 | 0.0 | 43.081 | 5.546 | 0.0 | 44.088 | 6.609 | 0.0 | 49.833 | 5.666 | 0.0 | 44.838 | 6.232 | 0.0 | 44.429 | 5.554 | 0.0 | 43.702 | 6.23 |
| 18 | 12225 | 12226 | SN | 1 | 0.0 | 38.544 | 1.524 | 0.0 | 40.695 | 1.916 | 0.0 | 37.164 | 1.746 | 0.0 | 40.502 | 2.281 | 0.0 | 38.808 | 1.505 | 0.0 | 42.079 | 1.833 | 0.0 | 37.031 | 1.661 | 0.0 | 39.465 | 2.05 |
| 19 | 12225 | 12226 | SN | 1 | 0.0 | 38.544 | 1.457 | 0.0 | 40.695 | 1.833 | 0.0 | 37.164 | 1.678 | 0.0 | 40.502 | 2.185 | 0.0 | 38.808 | 1.439 | 0.0 | 42.079 | 1.754 | 0.0 | 37.031 | 1.593 | 0.0 | 39.465 | 1.962 |
| 20 | 12225 | 12226 | NS | 1 | 0.0 | 40.002 | 1.546 | 0.0 | 45.239 | 1.66 | 0.0 | 41.466 | 1.429 | 0.0 | 45.64 | 1.951 | 0.0 | 39.505 | 1.53 | 0.0 | 45.764 | 1.467 | 0.0 | 42.138 | 1.432 | 0.0 | 44.526 | 1.602 |
| 21 | 12226 | 12227 | SN | 1 | 0.0 | 51.254 | 5.681 | 0.0 | 48.83 | 5.766 | 0.0 | 44.224 | 5.606 | 0.0 | 47.267 | 6.737 | 0.0 | 52.413 | 5.681 | 0.0 | 50.249 | 5.455 | 0.0 | 42.362 | 5.664 | 0.0 | 45.351 | 6.487 |
| 22 | 12226 | 12227 | SN | 1 | 0.0 | 47.366 | 1.526 | 0.0 | 46.325 | 1.884 | 0.0 | 40.47 | 1.532 | 0.0 | 40.992 | 2.13 | 0.0 | 45.849 | 1.542 | 0.0 | 47.058 | 1.832 | 0.0 | 40.526 | 1.535 | 0.0 | 40.097 | 1.931 |
| 23 | 12226 | 12227 | NS | 1 | 0.0 | 39.659 | 0.985 | 0.0 | 45.132 | 1.534 | 0.0 | 41.696 | 1.181 | 0.0 | 44.894 | 1.625 | 0.0 | 40.516 | 0.944 | 0.0 | 45.87 | 1.34 | 0.0 | 40.971 | 1.064 | 0.0 | 41.717 | 1.287 |
| 24 | 12226 | 12227 | SN | 1 | 0.0 | 51.254 | 5.532 | 0.0 | 48.83 | 5.737 | 0.0 | 44.224 | 5.445 | 0.0 | 47.267 | 6.632 | 0.0 | 52.413 | 5.532 | 0.0 | 50.249 | 5.404 | 0.0 | 42.362 | 5.488 | 0.0 | 45.351 | 6.354 |
| 25 | 12226 | 12227 | SN | 1 | 0.0 | 47.366 | 1.571 | 0.0 | 46.325 | 1.936 | 0.0 | 40.47 | 1.574 | 0.0 | 40.992 | 2.187 | 0.0 | 45.849 | 1.587 | 0.0 | 47.058 | 1.884 | 0.0 | 40.526 | 1.581 | 0.0 | 40.097 | 1.985 |
| 26 | 12227 | 12228 | SN | 1 | 0.0 | 48.777 | 6.698 | 0.0 | 48.379 | 7.06 | 0.0 | 49.603 | 5.04 | 0.0 | 42.239 | 5.89 | 0.0 | 49.831 | 6.698 | 0.0 | 47.729 | 6.848 | 0.0 | 50.456 | 4.948 | 0.0 | 43.879 | 5.183 |
| 27 | 12227 | 12228 | SN | 1 | 0.0 | 52.794 | 6.638 | 0.0 | 50.276 | 7.06 | 0.0 | 49.713 | 5.047 | 0.0 | 42.239 | 5.89 | 0.0 | 53.797 | 6.698 | 0.0 | 51.747 | 6.807 | 0.0 | 49.964 | 4.99 | 0.0 | 43.879 | 5.176 |
| 28 | 12227 | 12228 | SN | 1 | 0.0 | 52.794 | 7.11 | 0.0 | 50.276 | 7.336 | 0.0 | 49.713 | 5.471 | 0.0 | 42.239 | 6.118 | 0.0 | 53.797 | 7.176 | 0.0 | 51.747 | 7.071 | 0.0 | 49.964 | 5.44 | 0.0 | 43.879 | 5.499 |
| 29 | 12227 | 12228 | NS | 1 | 0.0 | 49.795 | 2.497 | 0.0 | 42.833 | 4.276 | 0.0 | 48.276 | 2.222 | 0.0 | 45.335 | 3.357 | 0.0 | 49.464 | 2.477 | 0.0 | 44.366 | 3.963 | 0.0 | 48.872 | 2.023 | 0.0 | 41.118 | 2.733 |
| 30 | 12227 | 12228 | SN | 1 | 0.0 | 50.725 | 1.669 | 0.0 | 49.694 | 1.925 | 0.0 | 46.082 | 1.301 | 0.0 | 45.171 | 1.663 | 0.0 | 51.702 | 1.642 | 0.0 | 50.572 | 1.748 | 0.0 | 46.532 | 1.202 | 0.0 | 42.015 | 1.464 |
| 31 | 12227 | 12228 | SN | 1 | 0.0 | 50.725 | 1.808 | 0.0 | 49.694 | 2.03 | 0.0 | 46.082 | 1.413 | 0.0 | 45.171 | 1.75 | 0.0 | 51.702 | 1.781 | 0.0 | 50.572 | 1.856 | 0.0 | 46.532 | 1.308 | 0.0 | 42.015 | 1.549 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 32 | 12227 | 12228 | SN | 1 | 0.0 | 41.269 | 1.682 | 0.0 | 50.308 | 1.922 | 0.0 | 39.939 | 1.312 | 0.0 | 42.357 | 1.663 | 0.0 | 40.719 | 1.666 | 0.0 | 51.185 | 1.766 | 0.0 | 38.824 | 1.207 | 0.0 | 39.673 | 1.465 |
| 33 | 12228 | 12229 | NS | 1 | 0.0 | 52.892 | 2.963 | 0.0 | 46.313 | 4.246 | 0.0 | 39.113 | 2.839 | 0.0 | 45.87 | 4.55 | 0.0 | 52.771 | 3.023 | 0.0 | 44.51 | 3.751 | 0.0 | 37.915 | 2.726 | 0.0 | 44.205 | 3.521 |
| 34 | 12228 | 12229 | NS | 1 | 0.0 | 52.892 | 2.993 | 0.0 | 46.503 | 4.317 | 0.0 | 39.419 | 2.776 | 0.0 | 56.26 | 4.579 | 0.0 | 52.771 | 3.063 | 0.0 | 44.688 | 3.802 | 0.0 | 38.222 | 2.698 | 0.0 | 51.072 | 3.507 |
| 35 | 12228 | 12229 | NS | 1 | 0.0 | 52.892 | 2.963 | 0.0 | 46.313 | 4.246 | 0.0 | 39.113 | 2.854 | 0.0 | 41.658 | 4.55 | 0.0 | 52.771 | 3.023 | 0.0 | 44.51 | 3.751 | 0.0 | 37.915 | 2.726 | 0.0 | 44.205 | 3.528 |
| 36 | 12228 | 12229 | SN | 1 | 0.0 | 55.29 | 5.107 | 0.0 | 51.973 | 5.803 | 0.0 | 40.651 | 4.203 | 0.0 | 46.713 | 5.324 | 0.0 | 56.125 | 5.218 | 0.0 | 52.261 | 5.53 | 0.0 | 42.152 | 4.068 | 0.0 | 45.239 | 4.917 |
| 37 | 12228 | 12229 | SN | 1 | 0.0 | 50.259 | 1.271 | 0.0 | 45.083 | 1.561 | 0.0 | 40.075 | 1.169 | 0.0 | 48.297 | 1.616 | 0.0 | 49.548 | 1.262 | 0.0 | 43.039 | 1.458 | 0.0 | 40.346 | 1.128 | 0.0 | 45.804 | 1.432 |
| 38 | 12228 | 12229 | NS | 1 | 0.0 | 48.734 | 0.78 | 0.0 | 40.319 | 1.25 | 0.0 | 37.937 | 0.861 | 0.0 | 48.384 | 1.485 | 0.0 | 47.509 | 0.751 | 0.0 | 38.201 | 1.144 | 0.0 | 36.316 | 0.816 | 0.0 | 43.99 | 1.158 |
| 39 | 12228 | 12229 | NS | 1 | 0.0 | 48.734 | 0.785 | 0.0 | 40.319 | 1.245 | 0.0 | 37.937 | 0.829 | 0.0 | 56.699 | 1.492 | 0.0 | 47.509 | 0.764 | 0.0 | 38.201 | 1.135 | 0.0 | 36.318 | 0.799 | 0.0 | 50.891 | 1.162 |
| 40 | 12228 | 12229 | NS | 1 | 0.0 | 48.734 | 0.778 | 0.0 | 40.319 | 1.25 | 0.0 | 37.937 | 0.852 | 0.0 | 48.384 | 1.483 | 0.0 | 47.509 | 0.753 | 0.0 | 38.201 | 1.144 | 0.0 | 36.316 | 0.808 | 0.0 | 43.99 | 1.156 |
| 41 | 12229 | 12230 | NS | 1 | 0.0 | 45.411 | 1.077 | 0.0 | 48.011 | 1.468 | 0.0 | 47.764 | 1.144 | 0.0 | 44.054 | 1.726 | 0.0 | 45.615 | 1.066 | 0.0 | 48.016 | 1.345 | 0.0 | 45.791 | 1.076 | 0.0 | 43.178 | 1.433 |
| 42 | 12229 | 12230 | NS | 1 | 0.009 | 50.383 | 4.004 | 0.0 | 53.916 | 5.36 | 0.0 | 45.138 | 3.847 | 0.0 | 49.946 | 5.024 | 0.102 | 51.533 | 4.024 | 0.0 | 51.964 | 5.156 | 0.0 | 42.854 | 3.712 | 0.0 | 46.466 | 4.637 |
| 43 | 12229 | 12230 | SN | 1 | 0.0 | 46.851 | 5.354 | 0.0 | 45.374 | 7.011 | 0.0 | 47.433 | 4.334 | 0.0 | 46.774 | 5.913 | 0.0 | 46.598 | 5.424 | 0.0 | 45.678 | 6.654 | 0.0 | 46.55 | 4.164 | 0.0 | 47.691 | 5.553 |
| 44 | 12229 | 12230 | NS | 1 | 0.0 | 44.988 | 1.077 | 0.0 | 45.551 | 1.463 | 0.0 | 49.399 | 1.151 | 0.0 | 42.827 | 1.73 | 0.0 | 45.191 | 1.066 | 0.0 | 45.708 | 1.343 | 0.0 | 51.077 | 1.073 | 0.0 | 41.952 | 1.42 |
| 45 | 12229 | 12230 | SN | 1 | 0.0 | 46.512 | 1.298 | 0.0 | 45.398 | 1.885 | 0.0 | 46.514 | 1.281 | 0.0 | 43.775 | 2.035 | 0.0 | 48.207 | 1.282 | 0.0 | 43.079 | 1.781 | 0.0 | 46.022 | 1.233 | 0.0 | 41.421 | 1.815 |
| 46 | 12229 | 12230 | NS | 1 | 0.012 | 50.359 | 3.994 | 0.0 | 53.916 | 5.339 | 0.0 | 45.649 | 3.875 | 0.0 | 50.208 | 5.074 | 0.105 | 51.511 | 4.004 | 0.0 | 51.964 | 5.166 | 0.0 | 43.366 | 3.726 | 0.0 | 46.726 | 4.651 |
| 47 | 12230 | 12231 | SN | 1 | 0.0 | 45.678 | 1.207 | 0.0 | 41.328 | 1.523 | 0.0 | 44.054 | 1.091 | 0.0 | 40.599 | 1.611 | 0.0 | 45.485 | 1.227 | 0.0 | 43.32 | 1.448 | 0.0 | 39.89 | 1.052 | 0.0 | 40.217 | 1.36 |
| 48 | 12230 | 12231 | SN | 1 | 0.0 | 45.757 | 4.977 | 0.0 | 51.229 | 5.604 | 0.0 | 41.31 | 3.994 | 0.0 | 46.444 | 5.054 | 0.0 | 47.195 | 5.068 | 0.0 | 54.682 | 5.291 | 0.0 | 42.937 | 3.93 | 0.0 | 45.375 | 4.575 |
| 49 | 12230 | 12231 | SN | 1 | 0.0 | 45.757 | 4.977 | 0.0 | 51.229 | 5.604 | 0.0 | 41.31 | 3.994 | 0.0 | 46.444 | 5.054 | 0.0 | 47.195 | 5.068 | 0.0 | 54.682 | 5.291 | 0.0 | 42.937 | 3.93 | 0.0 | 45.375 | 4.575 |
| 50 | 12230 | 12231 | NS | 1 | 0.0 | 40.672 | 0.523 | 0.0 | 42.946 | 0.819 | 0.0 | 38.537 | 0.836 | 0.0 | 36.973 | 1.067 | 0.0 | 40.508 | 0.527 | 0.0 | 42.427 | 0.724 | 0.0 | 37.22 | 0.761 | 0.0 | 37.188 | 0.865 |
| 51 | 12230 | 12231 | NS | 1 | 0.0 | 40.748 | 1.243 | 0.0 | 43.683 | 2.056 | 0.0 | 38.619 | 2.342 | 0.0 | 38.621 | 3.207 | 0.0 | 41.139 | 1.223 | 0.0 | 42.943 | 1.772 | 0.0 | 37.497 | 2.214 | 0.0 | 36.238 | 2.603 |
| 52 | 12230 | 12231 | NS | 1 | 0.0 | 40.672 | 0.527 | 0.0 | 42.946 | 0.821 | 0.0 | 38.537 | 0.857 | 0.0 | 36.973 | 1.078 | 0.0 | 40.508 | 0.518 | 0.0 | 42.427 | 0.733 | 0.0 | 37.22 | 0.79 | 0.0 | 37.188 | 0.879 |
| 53 | 12230 | 12231 | SN | 1 | 0.0 | 45.678 | 1.207 | 0.0 | 41.328 | 1.523 | 0.0 | 44.054 | 1.091 | 0.0 | 40.599 | 1.611 | 0.0 | 45.485 | 1.227 | 0.0 | 43.32 | 1.448 | 0.0 | 39.89 | 1.052 | 0.0 | 40.217 | 1.36 |
| 54 | 12230 | 12231 | NS | 1 | 0.0 | 40.748 | 1.243 | 0.0 | 43.621 | 2.066 | 0.0 | 38.619 | 2.321 | 0.0 | 38.621 | 3.2 | 0.0 | 41.139 | 1.213 | 0.0 | 42.885 | 1.773 | 0.0 | 37.497 | 2.243 | 0.0 | 36.041 | 2.589 |
| 55 | 12231 | 12232 | SN | 1 | 0.0 | 50.562 | 0.583 | 0.0 | 46.481 | 0.844 | 0.0 | 45.189 | 0.793 | 0.0 | 38.423 | 1.023 | 0.0 | 51.736 | 0.565 | 0.0 | 45.993 | 0.74 | 0.0 | 43.726 | 0.719 | 0.0 | 38.771 | 0.832 |
| 56 | 12231 | 12232 | NS | 1 | 0.0 | 43.31 | 3.253 | 0.0 | 44.352 | 4.546 | 0.0 | 43.217 | 3.406 | 0.0 | 43.174 | 4.361 | 0.0 | 45.511 | 3.324 | 0.0 | 41.542 | 4.224 | 0.0 | 40.437 | 3.442 | 0.0 | 41.845 | 3.943 |
| 57 | 12231 | 12232 | NS | 1 | 0.0 | 45.711 | 0.886 | 0.0 | 38.799 | 1.294 | 0.0 | 42.688 | 1.024 | 0.0 | 38.533 | 1.556 | 0.0 | 46.186 | 0.881 | 0.0 | 39.499 | 1.195 | 0.0 | 41.117 | 0.946 | 0.0 | 35.509 | 1.186 |
| 58 | 12231 | 12232 | SN | 1 | 0.0 | 46.749 | 2.313 | 0.0 | 46.984 | 2.918 | 0.0 | 41.962 | 2.893 | 0.0 | 46.102 | 3.419 | 0.0 | 46.242 | 2.182 | 0.0 | 50.008 | 2.575 | 0.0 | 41.487 | 2.694 | 0.0 | 44.836 | 2.948 |
| 59 | 12231 | 12232 | SN | 1 | 0.0 | 46.749 | 2.313 | 0.0 | 46.984 | 2.918 | 0.0 | 41.962 | 2.893 | 0.0 | 46.102 | 3.419 | 0.0 | 46.242 | 2.182 | 0.0 | 50.008 | 2.575 | 0.0 | 41.487 | 2.694 | 0.0 | 44.836 | 2.948 |
| 60 | 12231 | 12232 | NS | 1 | 0.0 | 45.739 | 0.879 | 0.0 | 38.799 | 1.288 | 0.0 | 43.887 | 1.025 | 0.0 | 38.262 | 1.547 | 0.0 | 46.212 | 0.881 | 0.0 | 39.497 | 1.182 | 0.0 | 40.652 | 0.945 | 0.0 | 35.509 | 1.2 |
| 61 | 12231 | 12232 | SN | 1 | 0.0 | 50.562 | 0.583 | 0.0 | 46.481 | 0.844 | 0.0 | 45.189 | 0.793 | 0.0 | 38.423 | 1.023 | 0.0 | 51.736 | 0.565 | 0.0 | 45.993 | 0.74 | 0.0 | 43.726 | 0.719 | 0.0 | 38.771 | 0.832 |
| 62 | 12231 | 12232 | NS | 1 | 0.0 | 45.711 | 0.883 | 0.0 | 38.799 | 1.292 | 0.0 | 42.688 | 1.021 | 0.0 | 38.533 | 1.554 | 0.0 | 46.186 | 0.879 | 0.0 | 39.499 | 1.193 | 0.0 | 41.117 | 0.943 | 0.0 | 35.509 | 1.184 |
| 63 | 12231 | 12232 | NS | 1 | 0.0 | 43.31 | 3.314 | 0.0 | 44.352 | 4.548 | 0.0 | 43.14 | 3.451 | 0.0 | 43.22 | 4.294 | 0.0 | 45.509 | 3.365 | 0.0 | 41.536 | 4.194 | 0.0 | 40.358 | 3.451 | 0.0 | 41.845 | 3.918 |
| 64 | 12232 | 12233 | NS | 1 | 0.0 | 48.783 | 4.465 | 0.0 | 52.128 | 6.376 | 0.0 | 41.786 | 4.767 | 0.0 | 45.78 | 6.568 | 0.0 | 49.588 | 4.495 | 0.0 | 50.161 | 5.87 | 0.0 | 41.249 | 4.959 | 0.0 | 42.602 | 5.901 |
| 65 | 12232 | 12233 | NS | 1 | 0.0 | 48.783 | 4.781 | 0.0 | 53.254 | 6.669 | 0.0 | 46.61 | 4.944 | 0.0 | 45.78 | 6.889 | 0.0 | 49.588 | 4.803 | 0.0 | 51.218 | 6.147 | 0.0 | 44.163 | 5.131 | 0.0 | 42.602 | 6.187 |
| 66 | 12232 | 12233 | SN | 1 | 0.0 | 49.212 | 2.403 | 0.0 | 43.856 | 3.544 | 0.0 | 47.058 | 3.817 | 0.0 | 47.185 | 4.427 | 0.0 | 49.817 | 2.353 | 0.0 | 41.324 | 3.09 | 0.0 | 46.207 | 3.497 | 0.0 | 47.907 | 3.72 |
| 67 | 12232 | 12233 | NS | 1 | 0.0 | 40.126 | 1.443 | 0.0 | 40.309 | 2.079 | 0.0 | 37.498 | 1.428 | 0.0 | 42.146 | 2.265 | 0.0 | 40.935 | 1.429 | 0.0 | 40.272 | 1.813 | 0.0 | 39.377 | 1.325 | 0.0 | 41.38 | 1.842 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 68 | 12232 | 12233 | NS | 1 | 0.0 | 48.783 | 4.465 | 0.0 | 52.128 | 6.376 | 0.0 | 41.786 | 4.767 | 0.0 | 45.78 | 6.568 | 0.0 | 49.588 | 4.495 | 0.0 | 50.161 | 5.87 | 0.0 | 41.249 | 4.959 | 0.0 | 42.602 | 5.901 |
| 69 | 12232 | 12233 | NS | 1 | 0.0 | 40.126 | 1.542 | 0.0 | 49.727 | 2.173 | 0.0 | 37.498 | 1.485 | 0.0 | 41.354 | 2.388 | 0.0 | 40.935 | 1.516 | 0.0 | 50.024 | 1.898 | 0.0 | 39.377 | 1.373 | 0.0 | 40.589 | 1.948 |
| 70 | 12232 | 12233 | SN | 1 | 0.0 | 40.282 | 0.816 | 0.0 | 42.788 | 1.26 | 0.0 | 42.932 | 1.278 | 0.0 | 46.39 | 1.432 | 0.0 | 40.641 | 0.76 | 0.0 | 45.322 | 1.078 | 0.0 | 42.044 | 1.182 | 0.0 | 46.754 | 1.175 |
| 71 | 12232 | 12233 | NS | 1 | 0.0 | 40.126 | 1.443 | 0.0 | 40.309 | 2.079 | 0.0 | 37.498 | 1.428 | 0.0 | 42.146 | 2.265 | 0.0 | 40.935 | 1.429 | 0.0 | 40.272 | 1.813 | 0.0 | 39.377 | 1.325 | 0.0 | 41.38 | 1.842 |
| 72 | 12232 | 12233 | SN | 1 | 0.0 | 47.805 | 2.424 | 0.0 | 43.477 | 3.554 | 0.0 | 42.069 | 3.817 | 0.0 | 47.258 | 4.448 | 0.0 | 48.409 | 2.353 | 0.0 | 40.29 | 3.07 | 0.0 | 41.217 | 3.426 | 0.0 | 47.179 | 3.727 |
| 73 | 12233 | 12234 | NS | 1 | 0.0 | 58.302 | 4.859 | 0.0 | 51.568 | 5.413 | 0.0 | 50.022 | 5.151 | 0.0 | 47.524 | 5.962 | 0.0 | 57.973 | 4.889 | 0.0 | 47.265 | 5.071 | 0.0 | 49.262 | 5.03 | 0.0 | 45.687 | 5.806 |
| 74 | 12233 | 12234 | NS | 1 | 0.0 | 47.269 | 1.533 | 0.0 | 47.213 | 1.977 | 0.0 | 37.009 | 1.612 | 0.0 | 39.411 | 2.196 | 0.0 | 45.708 | 1.568 | 0.0 | 49.404 | 1.89 | 0.0 | 35.256 | 1.626 | 0.0 | 39.363 | 1.928 |
| 75 | 12233 | 12234 | SN | 1 | 0.0 | 46.591 | 3.57 | 0.0 | 44.99 | 3.928 | 0.0 | 37.996 | 3.355 | 0.0 | 38.301 | 4.434 | 0.0 | 46.573 | 3.52 | 0.0 | 46.569 | 3.666 | 0.0 | 35.934 | 3.227 | 0.0 | 36.733 | 4.07 |
| 76 | 12233 | 12234 | SN | 1 | 0.0 | 46.651 | 3.59 | 0.0 | 44.628 | 3.878 | 0.0 | 37.13 | 3.234 | 0.0 | 34.756 | 4.348 | 0.0 | 46.835 | 3.53 | 0.0 | 46.207 | 3.645 | 0.0 | 35.355 | 3.192 | 0.0 | 37.538 | 3.955 |
| 77 | 12233 | 12234 | NS | 1 | 0.0 | 47.269 | 1.408 | 0.0 | 47.213 | 1.793 | 0.0 | 37.009 | 1.572 | 0.0 | 39.411 | 2.019 | 0.0 | 45.708 | 1.413 | 0.0 | 49.404 | 1.727 | 0.0 | 35.256 | 1.573 | 0.0 | 39.363 | 1.764 |
| 78 | 12233 | 12234 | NS | 1 | 0.0 | 47.269 | 1.408 | 0.0 | 47.213 | 1.793 | 0.0 | 37.009 | 1.572 | 0.0 | 39.411 | 2.019 | 0.0 | 45.708 | 1.413 | 0.0 | 49.404 | 1.727 | 0.0 | 35.256 | 1.573 | 0.0 | 39.363 | 1.764 |
| 79 | 12233 | 12234 | NS | 1 | 0.0 | 58.302 | 5.165 | 0.0 | 51.568 | 6.01 | 0.0 | 47.928 | 5.403 | 0.0 | 47.524 | 6.559 | 0.0 | 57.973 | 5.266 | 0.0 | 47.265 | 5.587 | 0.0 | 49.262 | 5.238 | 0.0 | 45.687 | 6.325 |
| 80 | 12233 | 12234 | NS | 1 | 0.0 | 58.302 | 4.859 | 0.0 | 51.568 | 5.413 | 0.0 | 50.022 | 5.151 | 0.0 | 47.524 | 5.962 | 0.0 | 57.973 | 4.889 | 0.0 | 47.265 | 5.071 | 0.0 | 49.262 | 5.03 | 0.0 | 45.687 | 5.806 |
| 81 | 12233 | 12234 | SN | 1 | 0.0 | 45.414 | 0.95 | 0.0 | 46.279 | 1.353 | 0.0 | 35.163 | 1.157 | 0.0 | 44.86 | 1.63 | 0.0 | 44.262 | 0.979 | 0.0 | 44.529 | 1.232 | 0.0 | 35.501 | 1.136 | 0.0 | 43.225 | 1.466 |
| 82 | 12233 | 12234 | SN | 1 | 0.0 | 46.313 | 0.938 | 0.0 | 44.244 | 1.337 | 0.0 | 36.372 | 1.186 | 0.0 | 44.722 | 1.635 | 0.0 | 45.16 | 0.956 | 0.0 | 42.494 | 1.221 | 0.0 | 36.187 | 1.161 | 0.0 | 43.086 | 1.466 |
| 83 | 12234 | 12235 | NS | 1 | 0.0 | 52.002 | 3.791 | 0.0 | 48.178 | 5.619 | 0.0 | 47.832 | 3.372 | 0.0 | 51.411 | 5.111 | 0.0 | 52.147 | 3.771 | 0.0 | 48.572 | 4.962 | 0.0 | 46.469 | 3.216 | 0.0 | 47.77 | 4.451 |
| 84 | 12234 | 12235 | SN | 1 | 0.0 | 39.49 | 0.999 | 0.0 | 41.801 | 1.449 | 0.0 | 44.207 | 0.977 | 0.0 | 40.389 | 1.665 | 0.0 | 37.907 | 1.001 | 0.0 | 42.626 | 1.286 | 0.0 | 43.469 | 0.943 | 0.0 | 38.099 | 1.557 |
| 85 | 12234 | 12235 | SN | 1 | 0.0 | 39.49 | 1.069 | 0.0 | 41.801 | 1.554 | 0.0 | 44.207 | 1.046 | 0.0 | 40.389 | 1.776 | 0.0 | 37.907 | 1.077 | 0.0 | 42.626 | 1.376 | 0.0 | 43.469 | 1.013 | 0.0 | 38.099 | 1.667 |
| 86 | 12234 | 12235 | NS | 1 | 0.0 | 42.491 | 1.085 | 0.0 | 46.572 | 1.503 | 0.0 | 42.08 | 1.047 | 0.0 | 41.186 | 1.774 | 0.0 | 42.739 | 1.072 | 0.0 | 46.119 | 1.331 | 0.0 | 40.592 | 0.985 | 0.0 | 42.176 | 1.452 |
| 87 | 12234 | 12235 | NS | 1 | 0.0 | 52.002 | 3.781 | 0.0 | 48.178 | 5.589 | 0.0 | 47.832 | 3.365 | 0.0 | 51.411 | 5.111 | 0.0 | 52.147 | 3.761 | 0.0 | 48.572 | 4.942 | 0.0 | 46.469 | 3.223 | 0.0 | 47.77 | 4.458 |
| 88 | 12234 | 12235 | NS | 1 | 0.0 | 42.491 | 1.033 | 0.0 | 46.572 | 1.369 | 0.0 | 42.08 | 1.034 | 0.0 | 41.186 | 1.568 | 0.0 | 42.739 | 1.021 | 0.0 | 46.119 | 1.221 | 0.0 | 40.592 | 0.965 | 0.0 | 42.176 | 1.284 |
| 89 | 12234 | 12235 | NS | 1 | 0.0 | 42.491 | 1.033 | 0.0 | 46.572 | 1.367 | 0.0 | 42.08 | 1.036 | 0.0 | 41.186 | 1.57 | 0.0 | 42.739 | 1.019 | 0.0 | 46.119 | 1.218 | 0.0 | 40.592 | 0.965 | 0.0 | 42.176 | 1.282 |
| 90 | 12234 | 12235 | SN | 1 | 0.0 | 49.707 | 4.198 | 0.0 | 50.16 | 5.31 | 0.0 | 42.244 | 3.213 | 0.0 | 49.188 | 4.732 | 0.0 | 48.537 | 4.117 | 0.0 | 49.632 | 5.139 | 0.0 | 41.382 | 3.312 | 0.0 | 45.694 | 4.582 |
| 91 | 12234 | 12235 | SN | 1 | 0.0 | 49.707 | 4.508 | 0.0 | 50.16 | 5.666 | 0.0 | 42.244 | 3.449 | 0.0 | 49.188 | 5.077 | 0.0 | 48.537 | 4.421 | 0.0 | 49.632 | 5.504 | 0.0 | 41.382 | 3.548 | 0.0 | 45.694 | 4.923 |
| 92 | 12234 | 12235 | NS | 1 | 0.0 | 52.002 | 3.898 | 0.0 | 48.178 | 5.833 | 0.0 | 47.832 | 3.455 | 0.0 | 51.411 | 5.642 | 0.0 | 52.147 | 3.803 | 0.0 | 48.572 | 5.191 | 0.0 | 46.469 | 3.238 | 0.0 | 47.77 | 4.842 |
| 93 | 12235 | 12236 | SN | 1 | 0.0 | 42.426 | 0.927 | 0.0 | 42.454 | 1.156 | 0.0 | 43.636 | 0.686 | 0.0 | 46.368 | 1.088 | 0.0 | 42.854 | 0.927 | 0.0 | 41.094 | 1.093 | 0.0 | 42.019 | 0.663 | 0.0 | 45.458 | 0.877 |
| 94 | 12235 | 12236 | NS | 1 | 0.0 | 45.064 | 1.646 | 0.0 | 48.307 | 2.137 | 0.0 | 43.973 | 1.27 | 0.0 | 41.769 | 1.706 | 0.0 | 44.458 | 1.671 | 0.0 | 48.493 | 1.971 | 0.0 | 44.04 | 1.236 | 0.0 | 42.209 | 1.455 |
| 95 | 12235 | 12236 | SN | 1 | 0.0 | 51.639 | 3.876 | 0.0 | 48.477 | 4.755 | 0.0 | 40.367 | 2.696 | 0.0 | 45.957 | 3.854 | 0.0 | 52.574 | 3.886 | 0.0 | 45.933 | 4.321 | 0.0 | 38.471 | 2.653 | 0.0 | 47.576 | 3.326 |
| 96 | 12235 | 12236 | SN | 1 | 0.0 | 51.639 | 3.957 | 0.0 | 48.477 | 4.853 | 0.0 | 40.367 | 2.746 | 0.0 | 45.957 | 3.927 | 0.0 | 52.574 | 3.967 | 0.0 | 45.933 | 4.41 | 0.0 | 38.471 | 2.709 | 0.0 | 47.576 | 3.381 |
| 97 | 12235 | 12236 | SN | 1 | 0.0 | 51.639 | 3.876 | 0.0 | 48.477 | 4.755 | 0.0 | 40.367 | 2.696 | 0.0 | 45.957 | 3.854 | 0.0 | 52.574 | 3.886 | 0.0 | 45.933 | 4.321 | 0.0 | 38.471 | 2.653 | 0.0 | 47.576 | 3.326 |
| 98 | 12235 | 12236 | SN | 1 | 0.0 | 42.426 | 0.952 | 0.0 | 42.454 | 1.178 | 0.0 | 43.636 | 0.707 | 0.0 | 46.368 | 1.105 | 0.0 | 42.854 | 0.952 | 0.0 | 41.094 | 1.111 | 0.0 | 42.019 | 0.683 | 0.0 | 45.458 | 0.892 |
| 99 | 12235 | 12236 | NS | 1 | 0.0 | 49.445 | 6.369 | 0.0 | 53.475 | 7.974 | 0.0 | 45.958 | 4.65 | 0.0 | 51.104 | 5.814 | 0.0 | 48.731 | 6.39 | 0.0 | 55.313 | 7.428 | 0.0 | 47.412 | 4.557 | 0.0 | 47.799 | 5.118 |
| 100 | 12235 | 12236 | SN | 1 | 0.0 | 42.426 | 0.927 | 0.0 | 42.454 | 1.156 | 0.0 | 43.636 | 0.686 | 0.0 | 46.368 | 1.088 | 0.0 | 42.854 | 0.927 | 0.0 | 41.094 | 1.093 | 0.0 | 42.019 | 0.665 | 0.0 | 45.458 | 0.877 |
| 101 | 12235 | 12236 | NS | 1 | 0.0 | 49.445 | 6.369 | 0.0 | 53.475 | 7.974 | 0.0 | 45.958 | 4.621 | 0.0 | 51.104 | 5.807 | 0.0 | 48.731 | 6.369 | 0.0 | 55.313 | 7.428 | 0.0 | 47.412 | 4.543 | 0.0 | 47.799 | 5.118 |
| 102 | 12235 | 12236 | NS | 1 | 0.0 | 45.064 | 1.65 | 0.0 | 48.307 | 2.137 | 0.0 | 43.973 | 1.254 | 0.0 | 41.769 | 1.706 | 0.0 | 44.458 | 1.666 | 0.0 | 48.493 | 1.971 | 0.0 | 44.04 | 1.219 | 0.0 | 42.209 | 1.453 |
| 103 | 12236 | 12237 | SN | 1 | 0.0 | 49.598 | 2.695 | 0.0 | 51.63 | 3.312 | 0.0 | 40.887 | 2.623 | 0.0 | 44.153 | 3.269 | 0.0 | 50.067 | 2.695 | 0.0 | 50.349 | 2.989 | 0.0 | 43.453 | 2.424 | 0.0 | 44.505 | 2.898 |

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

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|-----|-------|-------|----|---|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 104 | 12236 | 12237 | NS | 1 | 0.0 | 50.505 | 0.967 | 0.0 | 55.064 | 1.39 | 0.0 | 41.415 | 1.128 | 0.0 | 43.013 | 1.59 | 0.0 | 50.197 | 0.951 | 0.0 | 55.774 | 1.293 | 0.0 | 41.523 | 1.08 | 0.0 | 41.775 | 1.293 |
| 105 | 12236 | 12237 | NS | 1 | 0.0 | 43.553 | 0.969 | 0.0 | 51.729 | 1.428 | 0.0 | 41.385 | 1.107 | 0.0 | 43.239 | 1.592 | 0.0 | 44.455 | 0.949 | 0.0 | 52.352 | 1.295 | 0.0 | 41.953 | 1.078 | 0.0 | 42.039 | 1.316 |
| 106 | 12236 | 12237 | SN | 1 | 0.0 | 40.875 | 0.667 | 0.0 | 44.4 | 0.905 | 0.0 | 49.968 | 0.843 | 0.0 | 40.319 | 1.016 | 0.0 | 41.172 | 0.714 | 0.0 | 42.99 | 0.826 | 0.0 | 47.04 | 0.786 | 0.0 | 37.644 | 0.863 |
| 107 | 12236 | 12237 | SN | 1 | 0.0 | 40.875 | 0.674 | 0.0 | 44.4 | 0.914 | 0.0 | 49.968 | 0.852 | 0.0 | 40.319 | 1.025 | 0.0 | 41.172 | 0.722 | 0.0 | 42.99 | 0.833 | 0.0 | 47.04 | 0.793 | 0.0 | 37.644 | 0.871 |
| 108 | 12236 | 12237 | SN | 1 | 0.0 | 49.598 | 2.723 | 0.0 | 51.63 | 3.346 | 0.0 | 40.887 | 2.644 | 0.0 | 44.153 | 3.303 | 0.0 | 50.067 | 2.723 | 0.0 | 50.349 | 3.019 | 0.0 | 43.453 | 2.443 | 0.0 | 44.505 | 2.928 |
| 109 | 12236 | 12237 | SN | 1 | 0.0 | 49.598 | 2.723 | 0.0 | 51.63 | 3.346 | 0.0 | 40.887 | 2.644 | 0.0 | 44.153 | 3.303 | 0.0 | 50.067 | 2.723 | 0.0 | 50.349 | 3.019 | 0.0 | 43.453 | 2.443 | 0.0 | 44.505 | 2.928 |
| 110 | 12236 | 12237 | NS | 1 | 0.011 | 50.533 | 3.406 | 0.0 | 59.691 | 4.458 | 0.0 | 46.019 | 3.542 | 0.0 | 50.157 | 4.389 | 0.083 | 50.148 | 3.376 | 0.0 | 57.801 | 4.094 | 0.0 | 48.113 | 3.251 | 0.0 | 46.048 | 3.864 |
| 111 | 12236 | 12237 | SN | 1 | 0.0 | 40.875 | 0.674 | 0.0 | 44.4 | 0.915 | 0.0 | 49.968 | 0.852 | 0.0 | 40.319 | 1.027 | 0.0 | 41.172 | 0.722 | 0.0 | 42.99 | 0.834 | 0.0 | 47.04 | 0.793 | 0.0 | 37.644 | 0.872 |
| 112 | 12236 | 12237 | NS | 1 | 0.011 | 50.525 | 3.447 | 0.0 | 50.288 | 4.478 | 0.0 | 46.439 | 3.421 | 0.0 | 47.448 | 4.361 | 0.086 | 50.14 | 3.457 | 0.0 | 50.697 | 4.165 | 0.0 | 48.697 | 3.187 | 0.0 | 50.257 | 3.849 |
| 113 | 12237 | 12238 | SN | 1 | 0.0 | 39.882 | 1.813 | 0.0 | 51.17 | 2.272 | 0.0 | 38.115 | 2.56 | 0.0 | 39.637 | 3.69 | 0.0 | 41.076 | 1.843 | 0.0 | 50.215 | 2.08 | 0.0 | 40.579 | 2.602 | 0.0 | 41.275 | 3.276 |
| 114 | 12237 | 12238 | SN | 1 | 0.0 | 39.882 | 1.816 | 0.0 | 51.17 | 2.342 | 0.0 | 38.115 | 2.601 | 0.0 | 39.006 | 3.688 | 0.0 | 40.552 | 1.857 | 0.0 | 50.215 | 2.137 | 0.0 | 40.579 | 2.644 | 0.0 | 37.864 | 3.268 |
| 115 | 12237 | 12238 | SN | 1 | 0.0 | 39.882 | 1.813 | 0.0 | 51.17 | 2.272 | 0.0 | 38.115 | 2.56 | 0.0 | 39.637 | 3.69 | 0.0 | 41.076 | 1.843 | 0.0 | 50.215 | 2.08 | 0.0 | 40.579 | 2.602 | 0.0 | 41.275 | 3.276 |
| 116 | 12237 | 12238 | NS | 1 | 0.0 | 48.833 | 3.325 | 0.0 | 45.463 | 4.569 | 0.0 | 44.006 | 3.386 | 0.0 | 41.051 | 5.114 | 0.0 | 49.517 | 3.325 | 0.0 | 45.178 | 4.125 | 0.0 | 43.925 | 3.294 | 0.0 | 43.853 | 4.375 |
| 117 | 12237 | 12238 | NS | 1 | 0.0 | 45.762 | 3.254 | 0.0 | 51.065 | 4.519 | 0.0 | 44.854 | 3.45 | 0.0 | 48.74 | 5.064 | 0.0 | 46.04 | 3.285 | 0.0 | 50.986 | 4.216 | 0.0 | 44.372 | 3.372 | 0.0 | 45.623 | 4.325 |
| 118 | 12237 | 12238 | SN | 1 | 0.0 | 42.812 | 0.526 | 0.0 | 41.357 | 0.874 | 0.0 | 41.766 | 0.946 | 0.0 | 39.838 | 1.376 | 0.0 | 41.992 | 0.521 | 0.0 | 40.766 | 0.764 | 0.0 | 39.714 | 0.908 | 0.0 | 35.868 | 1.152 |
| 119 | 12237 | 12238 | SN | 1 | 0.0 | 45.403 | 0.512 | 0.0 | 36.905 | 0.841 | 0.0 | 41.766 | 0.931 | 0.0 | 39.838 | 1.362 | 0.0 | 44.582 | 0.514 | 0.0 | 35.153 | 0.752 | 0.0 | 39.714 | 0.889 | 0.0 | 35.868 | 1.157 |
| 120 | 12237 | 12238 | SN | 1 | 0.0 | 45.403 | 0.512 | 0.0 | 36.905 | 0.841 | 0.0 | 41.766 | 0.931 | 0.0 | 39.838 | 1.362 | 0.0 | 44.582 | 0.514 | 0.0 | 35.153 | 0.752 | 0.0 | 39.714 | 0.889 | 0.0 | 35.868 | 1.157 |
| 121 | 12237 | 12238 | NS | 1 | 0.0 | 41.438 | 0.985 | 0.0 | 41.967 | 1.417 | 0.0 | 40.36 | 1.105 | 0.0 | 39.753 | 1.498 | 0.0 | 42.261 | 0.985 | 0.0 | 42.22 | 1.329 | 0.0 | 44.006 | 1.055 | 0.0 | 36.552 | 1.273 |
| 122 | 12237 | 12238 | NS | 1 | 0.0 | 40.901 | 0.987 | 0.0 | 40.336 | 1.444 | 0.0 | 41.093 | 1.123 | 0.0 | 41.45 | 1.505 | 0.0 | 41.985 | 0.989 | 0.0 | 41.466 | 1.365 | 0.0 | 41.77 | 1.057 | 0.0 | 43.002 | 1.3 |
| 123 | 12238 | 12239 | SN | 1 | 0.0 | 53.407 | 2.273 | 0.0 | 41.596 | 3.172 | 0.0 | 40.932 | 2.901 | 0.0 | 39.783 | 3.969 | 0.0 | 52.91 | 2.293 | 0.0 | 41.77 | 2.78 | 0.0 | 42.749 | 2.828 | 0.0 | 38.872 | 3.194 |
| 124 | 12238 | 12239 | NS | 1 | 0.0 | 52.213 | 3.113 | 0.0 | 55.743 | 4.699 | 0.0 | 46.28 | 2.932 | 0.0 | 44.219 | 3.96 | 0.0 | 51.582 | 3.153 | 0.0 | 56.012 | 4.305 | 0.0 | 45.173 | 2.592 | 0.0 | 43.359 | 3.407 |
| 125 | 12238 | 12239 | NS | 1 | 0.0 | 51.859 | 3.113 | 0.0 | 55.703 | 4.709 | 0.0 | 46.28 | 2.947 | 0.0 | 44.185 | 3.946 | 0.0 | 51.582 | 3.153 | 0.0 | 55.991 | 4.345 | 0.0 | 45.173 | 2.599 | 0.0 | 43.351 | 3.392 |
| 126 | 12238 | 12239 | SN | 1 | 0.0 | 44.269 | 0.689 | 0.0 | 38.203 | 0.856 | 0.0 | 37.931 | 0.89 | 0.0 | 39.914 | 1.396 | 0.0 | 44.497 | 0.673 | 0.0 | 41.18 | 0.786 | 0.0 | 39.238 | 0.853 | 0.0 | 37.581 | 1.11 |
| 127 | 12238 | 12239 | SN | 1 | 0.0 | 38.349 | 0.66 | 0.0 | 39.687 | 0.844 | 0.0 | 38.361 | 0.905 | 0.0 | 38.743 | 1.353 | 0.0 | 38.631 | 0.665 | 0.0 | 37.911 | 0.779 | 0.0 | 36.203 | 0.859 | 0.0 | 35.554 | 1.088 |
| 128 | 12238 | 12239 | SN | 1 | 0.0 | 51.165 | 2.253 | 0.0 | 41.617 | 3.05 | 0.0 | 42.697 | 2.814 | 0.0 | 42.436 | 3.77 | 0.0 | 50.671 | 2.283 | 0.0 | 41.793 | 2.666 | 0.0 | 43.113 | 2.786 | 0.0 | 41.723 | 3.006 |
| 129 | 12238 | 12239 | SN | 1 | 0.0 | 44.269 | 0.671 | 0.0 | 38.203 | 0.849 | 0.0 | 37.823 | 0.916 | 0.0 | 39.914 | 1.326 | 0.0 | 44.497 | 0.662 | 0.0 | 36.478 | 0.769 | 0.0 | 38.743 | 0.882 | 0.0 | 37.581 | 1.077 |
| 130 | 12238 | 12239 | NS | 1 | 0.0 | 50.762 | 0.789 | 0.0 | 45.52 | 1.297 | 0.0 | 41.251 | 0.816 | 0.0 | 45.408 | 1.275 | 0.0 | 49.202 | 0.742 | 0.0 | 43.707 | 1.187 | 0.0 | 42.12 | 0.756 | 0.0 | 41.469 | 1.057 |
| 131 | 12238 | 12239 | NS | 1 | 0.0 | 50.407 | 0.8 | 0.0 | 45.596 | 1.299 | 0.0 | 41.653 | 0.816 | 0.0 | 45.408 | 1.276 | 0.0 | 48.847 | 0.751 | 0.0 | 43.781 | 1.187 | 0.0 | 42.523 | 0.76 | 0.0 | 41.471 | 1.057 |
| 132 | 12238 | 12239 | SN | 1 | 0.0 | 46.808 | 2.253 | 0.0 | 42.286 | 3.04 | 0.0 | 41.89 | 2.75 | 0.0 | 42.354 | 3.777 | 0.0 | 47.569 | 2.243 | 0.0 | 42.461 | 2.707 | 0.0 | 42.749 | 2.63 | 0.0 | 41.642 | 2.985 |
| 133 | 12239 | 12240 | SN | 1 | 0.0 | 40.777 | 5.578 | 0.0 | 49.659 | 6.359 | 0.0 | 39.25 | 4.631 | 0.0 | 43.195 | 5.777 | 0.0 | 41.262 | 5.734 | 0.0 | 48.362 | 6.077 | 0.0 | 40.463 | 4.609 | 0.0 | 40.62 | 5.297 |
| 134 | 12239 | 12240 | SN | 1 | 0.0 | 39.868 | 1.231 | 0.0 | 52.004 | 1.561 | 0.0 | 38.107 | 1.555 | 0.0 | 41.016 | 2.046 | 0.0 | 42.057 | 1.208 | 0.0 | 49.069 | 1.43 | 0.0 | 37.829 | 1.447 | 0.0 | 39.376 | 1.774 |
| 135 | 12239 | 12240 | NS | 1 | 0.0 | 41.116 | 0.744 | 0.0 | 41.331 | 0.795 | 0.0 | 43.061 | 0.698 | 0.0 | 42.617 | 0.992 | 0.0 | 40.272 | 0.717 | 0.0 | 45.403 | 0.752 | 0.0 | 39.337 | 0.657 | 0.0 | 44.039 | 0.776 |
| 136 | 12239 | 12240 | SN | 1 | 0.0 | 40.62 | 5.381 | 0.0 | 48.266 | 6.08 | 0.0 | 47.103 | 4.548 | 0.0 | 44.079 | 5.619 | 0.0 | 41.772 | 5.501 | 0.0 | 49.542 | 5.827 | 0.0 | 48.197 | 4.435 | 0.0 | 40.916 | 5.112 |
| 137 | 12239 | 12240 | NS | 1 | 0.0 | 48.457 | 3.043 | 0.0 | 48.331 | 3.213 | 0.0 | 40.471 | 2.499 | 0.0 | 44.38 | 3.123 | 0.0 | 49.794 | 3.002 | 0.0 | 47.781 | 2.961 | 0.0 | 39.699 | 2.329 | 0.0 | 42.324 | 2.661 |
| 138 | 12239 | 12240 | NS | 1 | 0.0 | 48.433 | 3.103 | 0.0 | 48.276 | 3.224 | 0.0 | 40.442 | 2.513 | 0.0 | 43.658 | 3.137 | 0.0 | 49.705 | 3.043 | 0.0 | 47.881 | 2.951 | 0.0 | 39.669 | 2.357 | 0.0 | 41.452 | 2.676 |
| 139 | 12239 | 12240 | SN | 1 | 0.0 | 40.333 | 1.166 | 0.0 | 43.4 | 1.496 | 0.0 | 35.989 | 1.494 | 0.0 | 40.779 | 1.984 | 0.0 | 42.049 | 1.153 | 0.0 | 40.604 | 1.355 | 0.0 | 36.098 | 1.384 | 0.0 | 37.46 | 1.708 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 140 | 12239 | 12240 | SN | 1 | 0.0 | 40.777 | 5.391 | 0.0 | 49.659 | 6.17 | 0.0 | 39.25 | 4.548 | 0.0 | 43.195 | 5.627 | 0.0 | 41.262 | 5.542 | 0.0 | 48.362 | 5.908 | 0.0 | 40.463 | 4.463 | 0.0 | 40.62 | 5.17 |
| 141 | 12239 | 12240 | SN | 1 | 0.0 | 39.868 | 1.189 | 0.0 | 52.004 | 1.507 | 0.0 | 38.107 | 1.499 | 0.0 | 41.016 | 1.99 | 0.0 | 42.057 | 1.166 | 0.0 | 49.069 | 1.373 | 0.0 | 37.829 | 1.395 | 0.0 | 39.376 | 1.721 |
| 142 | 12240 | 12241 | NS | 1 | 0.0 | 44.922 | 3.27 | 0.0 | 54.682 | 4.187 | 0.0 | 49.25 | 3.303 | 0.0 | 43.13 | 4.863 | 0.0 | 44.649 | 3.26 | 0.0 | 54.384 | 3.55 | 0.0 | 49.072 | 2.962 | 0.0 | 43.333 | 3.691 |
| 143 | 12240 | 12241 | NS | 1 | 0.0 | 48.277 | 0.909 | 0.0 | 41.724 | 1.155 | 0.0 | 44.117 | 1.035 | 0.0 | 45.957 | 1.488 | 0.0 | 48.867 | 0.878 | 0.0 | 41.867 | 0.914 | 0.0 | 41.751 | 0.918 | 0.0 | 45.451 | 1.053 |
| 144 | 12240 | 12241 | SN | 1 | 0.0 | 50.941 | 1.665 | 0.0 | 48.341 | 2.043 | 0.0 | 43.186 | 1.561 | 0.0 | 38.452 | 2.113 | 0.0 | 51.855 | 1.708 | 0.0 | 46.75 | 1.986 | 0.0 | 43.107 | 1.545 | 0.0 | 38.049 | 1.999 |
| 145 | 12240 | 12241 | SN | 1 | 0.0 | 53.797 | 6.293 | 0.0 | 56.077 | 6.596 | 0.0 | 43.008 | 5.272 | 0.0 | 43.437 | 6.627 | 0.0 | 53.763 | 6.283 | 0.0 | 58.318 | 6.362 | 0.0 | 42.644 | 5.4 | 0.0 | 43.387 | 6.319 |
| 146 | 12240 | 12241 | SN | 1 | 0.0 | 53.797 | 6.632 | 0.0 | 56.077 | 6.948 | 0.0 | 41.573 | 5.569 | 0.0 | 43.437 | 6.905 | 0.0 | 53.763 | 6.621 | 0.0 | 58.318 | 6.702 | 0.0 | 42.644 | 5.689 | 0.0 | 43.387 | 6.595 |
| 147 | 12240 | 12241 | NS | 1 | 0.0 | 45.182 | 0.907 | 0.0 | 41.613 | 1.151 | 0.0 | 41.812 | 1.051 | 0.0 | 45.742 | 1.519 | 0.0 | 45.773 | 0.873 | 0.0 | 41.809 | 0.903 | 0.0 | 40.109 | 0.95 | 0.0 | 45.236 | 1.065 |
| 148 | 12240 | 12241 | SN | 1 | 0.0 | 50.941 | 1.756 | 0.0 | 48.341 | 2.153 | 0.0 | 43.186 | 1.645 | 0.0 | 38.452 | 2.21 | 0.0 | 51.855 | 1.801 | 0.0 | 46.75 | 2.088 | 0.0 | 43.107 | 1.634 | 0.0 | 38.049 | 2.098 |
| 149 | 12240 | 12241 | SN | 1 | 0.0 | 50.941 | 1.665 | 0.0 | 48.341 | 2.043 | 0.0 | 43.186 | 1.561 | 0.0 | 38.452 | 2.115 | 0.0 | 51.855 | 1.708 | 0.0 | 46.75 | 1.986 | 0.0 | 43.107 | 1.545 | 0.0 | 38.049 | 1.999 |
| 150 | 12240 | 12241 | SN | 1 | 0.0 | 53.797 | 6.293 | 0.0 | 56.077 | 6.596 | 0.0 | 43.008 | 5.272 | 0.0 | 43.437 | 6.634 | 0.0 | 53.763 | 6.283 | 0.0 | 58.318 | 6.362 | 0.0 | 42.644 | 5.4 | 0.0 | 43.387 | 6.319 |
| 151 | 12241 | 12242 | NS | 1 | 0.0 | 48.656 | 0.812 | 0.0 | 44.606 | 1.286 | 0.0 | 39.673 | 1.068 | 0.0 | 43.888 | 1.57 | 0.0 | 48.55 | 0.773 | 0.0 | 45.33 | 1.144 | 0.0 | 36.952 | 0.971 | 0.0 | 45.377 | 1.227 |
| 152 | 12241 | 12242 | SN | 1 | 0.0 | 47.699 | 5.502 | 0.0 | 53.893 | 6.259 | 0.0 | 50.94 | 4.549 | 0.0 | 45.434 | 5.459 | 0.0 | 49.25 | 5.523 | 0.0 | 54.038 | 5.835 | 0.0 | 49.922 | 4.407 | 0.0 | 42.849 | 4.781 |
| 153 | 12241 | 12242 | SN | 1 | 0.0 | 47.699 | 5.492 | 0.0 | 53.893 | 6.259 | 0.0 | 50.94 | 4.549 | 0.0 | 45.434 | 5.459 | 0.0 | 49.25 | 5.513 | 0.0 | 54.038 | 5.835 | 0.0 | 49.922 | 4.407 | 0.0 | 42.849 | 4.774 |
| 154 | 12241 | 12242 | NS | 1 | 0.0 | 48.3 | 0.818 | 0.0 | 45.646 | 1.272 | 0.0 | 39.673 | 1.096 | 0.0 | 44.643 | 1.561 | 0.0 | 47.275 | 0.771 | 0.0 | 46.37 | 1.131 | 0.0 | 36.952 | 0.987 | 0.0 | 45.734 | 1.215 |
| 155 | 12241 | 12242 | NS | 1 | 0.0 | 46.21 | 2.992 | 0.0 | 52.057 | 4.406 | 0.0 | 43.779 | 3.223 | 0.0 | 44.383 | 4.387 | 0.0 | 46.746 | 2.881 | 0.0 | 50.656 | 4.012 | 0.0 | 43.566 | 3.003 | 0.0 | 45.505 | 3.784 |
| 156 | 12241 | 12242 | NS | 1 | 0.0 | 46.622 | 2.952 | 0.0 | 52.126 | 4.426 | 0.0 | 43.779 | 3.209 | 0.0 | 51.39 | 4.501 | 0.0 | 47.157 | 2.861 | 0.0 | 50.728 | 4.022 | 0.0 | 43.565 | 2.953 | 0.0 | 48.767 | 3.841 |
| 157 | 12241 | 12242 | SN | 1 | 0.0 | 48.802 | 1.435 | 0.0 | 45.12 | 1.811 | 0.0 | 37.926 | 1.25 | 0.0 | 40.03 | 1.664 | 0.0 | 50.418 | 1.465 | 0.0 | 45.597 | 1.674 | 0.0 | 35.981 | 1.218 | 0.0 | 37.908 | 1.47 |
| 158 | 12241 | 12242 | SN | 1 | 0.0 | 48.802 | 1.379 | 0.0 | 45.12 | 1.754 | 0.0 | 37.926 | 1.215 | 0.0 | 39.469 | 1.606 | 0.0 | 50.418 | 1.408 | 0.0 | 45.597 | 1.615 | 0.0 | 35.981 | 1.185 | 0.0 | 37.908 | 1.41 |
| 159 | 12241 | 12242 | SN | 1 | 0.0 | 48.802 | 1.379 | 0.0 | 45.12 | 1.751 | 0.0 | 37.926 | 1.215 | 0.0 | 39.469 | 1.602 | 0.0 | 50.418 | 1.408 | 0.0 | 45.597 | 1.613 | 0.0 | 35.981 | 1.185 | 0.0 | 37.908 | 1.41 |
| 160 | 12241 | 12242 | SN | 1 | 0.0 | 47.699 | 5.696 | 0.0 | 53.893 | 6.452 | 0.0 | 50.94 | 4.714 | 0.0 | 45.434 | 5.612 | 0.0 | 49.25 | 5.738 | 0.0 | 54.038 | 6.05 | 0.0 | 49.922 | 4.61 | 0.0 | 42.849 | 4.976 |
| 161 | 12242 | 12243 | NS | 1 | 0.0 | 41.738 | 3.143 | 0.0 | 45.633 | 4.549 | 0.0 | 41.815 | 3.336 | 0.0 | 47.284 | 4.453 | 0.0 | 42.583 | 3.214 | 0.0 | 46.257 | 4.094 | 0.0 | 42.676 | 3.379 | 0.0 | 46.869 | 4.048 |
| 162 | 12242 | 12243 | SN | 1 | 0.0 | 41.132 | 1.242 | 0.0 | 43.186 | 1.314 | 0.0 | 41.395 | 1.052 | 0.0 | 36.727 | 1.383 | 0.0 | 41.416 | 1.233 | 0.0 | 43.146 | 1.223 | 0.0 | 41.584 | 1.036 | 0.0 | 37.177 | 1.313 |
| 163 | 12242 | 12243 | SN | 1 | 0.0 | 41.043 | 1.224 | 0.0 | 43.522 | 1.312 | 0.0 | 40.884 | 1.024 | 0.0 | 36.863 | 1.388 | 0.0 | 41.327 | 1.233 | 0.0 | 43.481 | 1.223 | 0.0 | 41.073 | 1.017 | 0.0 | 36.627 | 1.319 |
| 164 | 12242 | 12243 | NS | 1 | 0.0 | 42.525 | 0.884 | 0.0 | 46.084 | 1.268 | 0.0 | 39.81 | 1.011 | 0.0 | 40.007 | 1.461 | 0.0 | 42.583 | 0.899 | 0.0 | 47.901 | 1.163 | 0.0 | 42.437 | 0.976 | 0.0 | 39.523 | 1.229 |
| 165 | 12242 | 12243 | NS | 1 | 0.0 | 42.996 | 0.881 | 0.0 | 44.868 | 1.253 | 0.0 | 39.982 | 0.967 | 0.0 | 41.498 | 1.471 | 0.0 | 43.052 | 0.879 | 0.0 | 45.247 | 1.174 | 0.0 | 38.926 | 0.961 | 0.0 | 41.024 | 1.247 |
| 166 | 12242 | 12243 | SN | 1 | 0.0 | 41.043 | 1.303 | 0.0 | 43.522 | 1.406 | 0.0 | 39.776 | 1.077 | 0.0 | 36.863 | 1.394 | 0.0 | 41.327 | 1.315 | 0.0 | 43.481 | 1.311 | 0.0 | 39.965 | 1.089 | 0.0 | 36.627 | 1.351 |
| 167 | 12242 | 12243 | SN | 1 | 0.0 | 49.806 | 4.481 | 0.0 | 52.649 | 4.727 | 0.0 | 46.025 | 4.025 | 0.0 | 47.535 | 4.541 | 0.0 | 49.373 | 4.531 | 0.0 | 53.682 | 4.626 | 0.0 | 44.123 | 3.989 | 0.0 | 49.491 | 4.355 |
| 168 | 12242 | 12243 | SN | 1 | 0.0 | 49.609 | 4.45 | 0.0 | 52.717 | 4.736 | 0.0 | 46.057 | 4.004 | 0.0 | 43.253 | 4.483 | 0.0 | 49.177 | 4.46 | 0.0 | 53.752 | 4.615 | 0.0 | 44.157 | 3.997 | 0.0 | 43.765 | 4.348 |
| 169 | 12242 | 12243 | NS | 1 | 0.006 | 42.366 | 3.154 | 0.0 | 47.61 | 4.569 | 0.0 | 42.575 | 3.365 | 0.0 | 48.003 | 4.418 | 0.008 | 43.129 | 3.184 | 0.0 | 45.317 | 4.125 | 0.0 | 42.615 | 3.322 | 0.0 | 47.584 | 4.048 |
| 170 | 12242 | 12243 | SN | 1 | 0.0 | 49.609 | 4.45 | 0.0 | 52.717 | 4.726 | 0.0 | 46.057 | 4.011 | 0.0 | 43.253 | 4.483 | 0.0 | 49.177 | 4.46 | 0.0 | 53.752 | 4.605 | 0.0 | 44.157 | 3.989 | 0.0 | 43.765 | 4.341 |
| 171 | 12242 | 12243 | SN | 1 | 0.0 | 49.806 | 4.766 | 0.0 | 52.649 | 4.886 | 0.0 | 46.025 | 4.254 | 0.0 | 47.535 | 4.574 | 0.0 | 49.373 | 4.81 | 0.0 | 53.682 | 4.842 | 0.0 | 44.123 | 4.231 | 0.0 | 49.491 | 4.456 |
| 172 | 12243 | 12244 | NS | 1 | 0.0 | 45.677 | 1.1 | 0.0 | 57.801 | 1.592 | 0.0 | 45.16 | 1.126 | 0.0 | 46.778 | 1.595 | 0.0 | 45.545 | 1.118 | 0.0 | 56.706 | 1.436 | 0.0 | 45.401 | 1.038 | 0.0 | 41.562 | 1.271 |
| 173 | 12243 | 12244 | SN | 1 | 0.0 | 43.364 | 1.121 | 0.0 | 44.674 | 1.273 | 0.0 | 41.265 | 1.373 | 0.0 | 44.863 | 1.605 | 0.0 | 44.252 | 1.107 | 0.0 | 43.061 | 1.151 | 0.0 | 39.049 | 1.336 | 0.0 | 41.995 | 1.458 |
| 174 | 12243 | 12244 | SN | 1 | 0.0 | 50.616 | 3.557 | 0.0 | 51.956 | 4.231 | 0.0 | 38.273 | 4.193 | 0.0 | 46.758 | 4.841 | 0.0 | 50.451 | 3.628 | 0.0 | 48.715 | 3.948 | 0.0 | 39.714 | 4.094 | 0.0 | 45.398 | 4.556 |
| 175 | 12243 | 12244 | SN | 1 | 0.0 | 50.616 | 3.557 | 0.0 | 51.956 | 4.231 | 0.0 | 38.273 | 4.193 | 0.0 | 46.758 | 4.834 | 0.0 | 50.451 | 3.628 | 0.0 | 48.715 | 3.948 | 0.0 | 39.714 | 4.094 | 0.0 | 45.398 | 4.549 |

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

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|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 176 | 12243 | 12244 | NS | 1 | 0.0 | 51.271 | 4.366 | 0.0 | 59.843 | 5.669 | 0.0 | 49.693 | 3.551 | 0.0 | 51.193 | 5.117 | 0.0 | 51.206 | 4.426 | 0.0 | 58.251 | 5.002 | 0.0 | 47.924 | 3.31 | 0.0 | 47.013 | 4.202 |
| 177 | 12243 | 12244 | NS | 1 | 0.0 | 51.268 | 4.426 | 0.0 | 59.843 | 5.679 | 0.0 | 49.693 | 3.601 | 0.0 | 49.236 | 5.138 | 0.0 | 51.203 | 4.487 | 0.0 | 58.251 | 5.022 | 0.0 | 47.92 | 3.345 | 0.0 | 45.362 | 4.216 |
| 178 | 12243 | 12244 | NS | 1 | 0.0 | 45.677 | 1.089 | 0.0 | 57.801 | 1.583 | 0.0 | 45.16 | 1.121 | 0.0 | 46.778 | 1.584 | 0.0 | 45.545 | 1.093 | 0.0 | 56.706 | 1.445 | 0.0 | 45.399 | 1.034 | 0.0 | 41.874 | 1.25 |
| 179 | 12243 | 12244 | SN | 1 | 0.0 | 43.364 | 1.121 | 0.0 | 44.674 | 1.273 | 0.0 | 41.556 | 1.373 | 0.0 | 44.863 | 1.603 | 0.0 | 44.252 | 1.107 | 0.0 | 43.061 | 1.151 | 0.0 | 39.338 | 1.333 | 0.0 | 41.995 | 1.457 |
| 180 | 12244 | 12245 | SN | 1 | 0.0 | 50.508 | 6.225 | 0.0 | 50.763 | 7.428 | 0.0 | 44.083 | 5.502 | 0.0 | 44.503 | 7.128 | 0.0 | 50.135 | 6.256 | 0.0 | 51.606 | 7.002 | 0.0 | 45.319 | 5.431 | 0.0 | 46.574 | 6.992 |
| 181 | 12244 | 12245 | SN | 1 | 0.0 | 43.068 | 1.713 | 0.0 | 40.771 | 2.156 | 0.0 | 40.42 | 1.558 | 0.0 | 39.862 | 2.335 | 0.0 | 42.841 | 1.709 | 0.0 | 38.78 | 2.065 | 0.0 | 40.594 | 1.542 | 0.0 | 37.387 | 2.265 |
| 182 | 12244 | 12245 | NS | 1 | 0.0 | 50.567 | 0.743 | 0.0 | 45.589 | 1.266 | 0.0 | 40.497 | 0.845 | 0.0 | 41.559 | 1.274 | 0.0 | 50.153 | 0.707 | 0.0 | 47.0 | 1.148 | 0.0 | 40.592 | 0.805 | 0.0 | 38.861 | 1.012 |
| 183 | 12244 | 12245 | NS | 1 | 0.0 | 51.201 | 2.447 | 0.0 | 51.566 | 3.881 | 0.0 | 42.617 | 2.896 | 0.0 | 45.131 | 4.021 | 0.0 | 52.943 | 2.376 | 0.0 | 52.931 | 3.599 | 0.0 | 40.623 | 2.719 | 0.0 | 43.838 | 3.334 |
| 184 | 12244 | 12245 | NS | 1 | 0.0 | 51.201 | 2.447 | 0.0 | 51.566 | 3.881 | 0.0 | 42.617 | 2.896 | 0.0 | 45.131 | 4.021 | 0.0 | 52.943 | 2.376 | 0.0 | 52.931 | 3.599 | 0.0 | 40.623 | 2.719 | 0.0 | 43.838 | 3.334 |
| 185 | 12245 | 12246 | SN | 1 | 0.0 | 51.995 | 4.332 | 0.0 | 53.634 | 4.649 | 0.0 | 45.191 | 3.736 | 0.0 | 42.918 | 4.328 | 0.0 | 53.574 | 4.412 | 0.0 | 57.85 | 4.326 | 0.0 | 45.065 | 3.665 | 0.0 | 43.422 | 3.549 |
| 186 | 12245 | 12246 | NS | 1 | 0.0 | 42.116 | 0.822 | 0.0 | 41.755 | 1.12 | 0.0 | 37.908 | 0.901 | 0.0 | 41.752 | 1.252 | 0.0 | 41.9 | 0.804 | 0.0 | 42.424 | 0.977 | 0.0 | 36.554 | 0.824 | 0.0 | 42.252 | 0.996 |
| 187 | 12245 | 12246 | NS | 1 | 0.0 | 42.116 | 0.828 | 0.0 | 41.755 | 1.113 | 0.0 | 37.908 | 0.905 | 0.0 | 41.752 | 1.244 | 0.0 | 41.9 | 0.809 | 0.0 | 42.424 | 0.97 | 0.0 | 36.554 | 0.829 | 0.0 | 42.252 | 0.989 |
| 188 | 12245 | 12246 | NS | 1 | 0.0 | 53.141 | 2.887 | 0.0 | 57.423 | 3.822 | 0.0 | 36.223 | 2.712 | 0.0 | 44.588 | 3.733 | 0.0 | 53.892 | 2.948 | 0.0 | 57.598 | 3.527 | 0.0 | 35.567 | 2.633 | 0.0 | 44.626 | 3.176 |
| 189 | 12245 | 12246 | NS | 1 | 0.0 | 53.141 | 2.905 | 0.0 | 57.423 | 3.792 | 0.0 | 36.223 | 2.77 | 0.0 | 44.588 | 3.704 | 0.0 | 53.892 | 2.976 | 0.0 | 57.598 | 3.499 | 0.0 | 35.567 | 2.67 | 0.0 | 44.626 | 3.152 |
| 190 | 12245 | 12246 | SN | 1 | 0.0 | 47.826 | 1.243 | 0.0 | 47.739 | 1.363 | 0.0 | 41.701 | 1.118 | 0.0 | 38.129 | 1.228 | 0.0 | 47.526 | 1.23 | 0.0 | 51.072 | 1.26 | 0.0 | 43.272 | 1.055 | 0.0 | 42.741 | 0.989 |
| 191 | 12246 | 12247 | SN | 1 | 0.0 | 48.35 | 2.864 | 0.0 | 56.473 | 3.775 | 0.0 | 44.066 | 2.829 | 0.0 | 48.984 | 4.267 | 0.0 | 48.393 | 2.814 | 0.0 | 55.674 | 3.694 | 0.0 | 44.929 | 2.672 | 0.0 | 46.006 | 3.675 |
| 192 | 12246 | 12247 | NS | 1 | 0.0 | 39.314 | 0.936 | 0.0 | 46.541 | 1.24 | 0.0 | 37.727 | 1.112 | 0.0 | 37.835 | 1.633 | 0.0 | 38.955 | 0.922 | 0.0 | 43.553 | 1.08 | 0.0 | 36.638 | 1.063 | 0.0 | 34.505 | 1.312 |
| 193 | 12246 | 12247 | NS | 1 | 0.0 | 45.861 | 3.073 | 0.0 | 43.253 | 3.94 | 0.0 | 41.955 | 3.571 | 0.0 | 40.316 | 4.809 | 0.0 | 47.804 | 3.063 | 0.0 | 42.573 | 3.524 | 0.0 | 41.798 | 3.571 | 0.0 | 37.072 | 4.21 |
| 194 | 12246 | 12247 | NS | 1 | 0.0 | 45.861 | 2.993 | 0.0 | 43.253 | 4.124 | 0.0 | 43.769 | 3.503 | 0.0 | 40.316 | 5.001 | 0.0 | 47.804 | 2.919 | 0.0 | 42.573 | 3.721 | 0.0 | 43.214 | 3.458 | 0.0 | 37.072 | 4.279 |
| 195 | 12246 | 12247 | NS | 1 | 0.0 | 39.314 | 0.931 | 0.0 | 46.541 | 1.315 | 0.0 | 37.519 | 1.115 | 0.0 | 45.649 | 1.7 | 0.0 | 38.955 | 0.919 | 0.0 | 43.553 | 1.143 | 0.0 | 37.874 | 1.072 | 0.0 | 42.332 | 1.392 |
| 196 | 12246 | 12247 | SN | 1 | 0.0 | 48.44 | 0.657 | 0.0 | 49.407 | 1.023 | 0.0 | 36.992 | 0.8 | 0.0 | 44.326 | 1.242 | 0.0 | 47.836 | 0.639 | 0.0 | 51.685 | 0.935 | 0.0 | 37.593 | 0.717 | 0.0 | 43.631 | 1.055 |
| 197 | 12247 | 12248 | SN | 1 | 0.0 | 41.905 | 3.146 | 0.0 | 47.856 | 4.371 | 0.0 | 40.207 | 3.653 | 0.0 | 43.324 | 4.724 | 0.0 | 41.552 | 3.246 | 0.0 | 49.732 | 4.321 | 0.0 | 39.586 | 3.582 | 0.0 | 41.369 | 4.36 |
| 198 | 12247 | 12248 | NS | 1 | 0.0 | 44.803 | 1.655 | 0.0 | 42.08 | 2.39 | 0.0 | 45.251 | 1.806 | 0.0 | 40.852 | 2.575 | 0.0 | 44.919 | 1.692 | 0.0 | 42.411 | 2.281 | 0.0 | 43.87 | 1.76 | 0.0 | 38.235 | 2.331 |
| 199 | 12247 | 12248 | NS | 1 | 0.0 | 44.803 | 1.618 | 0.0 | 42.08 | 2.228 | 0.0 | 45.251 | 1.689 | 0.0 | 40.971 | 2.395 | 0.0 | 44.919 | 1.634 | 0.0 | 42.411 | 2.12 | 0.0 | 43.87 | 1.657 | 0.0 | 38.434 | 2.156 |
| 200 | 12247 | 12248 | NS | 1 | 0.0 | 41.224 | 5.704 | 0.0 | 54.431 | 7.615 | 0.0 | 46.633 | 5.69 | 0.0 | 43.243 | 7.545 | 0.0 | 41.301 | 5.878 | 0.0 | 56.022 | 7.191 | 0.0 | 45.88 | 5.804 | 0.0 | 44.985 | 7.362 |
| 201 | 12248 | 12249 | SN | 1 | 0.0 | 42.072 | 0.761 | 0.0 | 40.468 | 1.067 | 0.0 | 34.982 | 0.829 | 0.0 | 44.049 | 1.318 | 0.0 | 41.932 | 0.729 | 0.0 | 39.813 | 0.915 | 0.0 | 32.527 | 0.749 | 0.0 | 40.018 | 1.012 |
| 202 | 12248 | 12249 | NS | 1 | 0.0 | 51.91 | 1.084 | 0.0 | 51.258 | 1.435 | 0.0 | 50.106 | 1.114 | 0.0 | 44.226 | 1.638 | 0.0 | 51.608 | 1.075 | 0.0 | 47.04 | 1.314 | 0.0 | 51.334 | 1.022 | 0.0 | 39.118 | 1.307 |
| 203 | 12248 | 12249 | SN | 1 | 0.0 | 42.923 | 2.833 | 0.0 | 44.555 | 3.865 | 0.0 | 41.099 | 2.668 | 0.0 | 43.847 | 3.768 | 0.0 | 42.896 | 2.844 | 0.0 | 43.639 | 3.37 | 0.0 | 40.803 | 2.544 | 0.0 | 38.272 | 3.19 |
| 204 | 12248 | 12249 | NS | 1 | 0.0 | 52.682 | 4.133 | 0.0 | 47.245 | 4.912 | 0.0 | 48.444 | 3.719 | 0.0 | 45.288 | 4.929 | 0.0 | 53.944 | 4.093 | 0.0 | 49.103 | 4.558 | 0.0 | 45.859 | 3.578 | 0.0 | 46.695 | 4.297 |
| 205 | 12248 | 12249 | SN | 1 | 0.0 | 45.31 | 2.564 | 0.0 | 44.555 | 3.634 | 0.0 | 45.304 | 2.567 | 0.0 | 40.668 | 3.469 | 0.0 | 44.977 | 2.564 | 0.0 | 43.639 | 3.129 | 0.0 | 45.841 | 2.432 | 0.0 | 38.23 | 2.963 |
| 206 | 12248 | 12249 | NS | 1 | 0.0 | 51.91 | 1.156 | 0.0 | 51.258 | 1.62 | 0.0 | 50.106 | 1.224 | 0.0 | 44.226 | 1.825 | 0.0 | 51.608 | 1.151 | 0.0 | 47.04 | 1.484 | 0.0 | 51.334 | 1.153 | 0.0 | 39.118 | 1.463 |
| 207 | 12248 | 12249 | SN | 1 | 0.0 | 42.072 | 0.696 | 0.0 | 40.468 | 0.983 | 0.0 | 35.485 | 0.792 | 0.0 | 44.049 | 1.225 | 0.0 | 41.932 | 0.674 | 0.0 | 39.813 | 0.851 | 0.0 | 32.527 | 0.705 | 0.0 | 40.018 | 0.934 |
| 208 | 12249 | 12250 | NS | 1 | 0.0 | 53.249 | 1.71 | 0.0 | 48.485 | 1.992 | 0.0 | 47.46 | 1.624 | 0.0 | 45.129 | 2.131 | 0.0 | 55.213 | 1.739 | 0.0 | 50.648 | 1.866 | 0.0 | 45.89 | 1.622 | 0.0 | 44.927 | 1.901 |
| 209 | 12249 | 12250 | NS | 1 | 0.0 | 47.784 | 4.939 | 0.0 | 51.175 | 5.851 | 0.0 | 47.279 | 5.841 | 0.0 | 47.423 | 6.772 | 0.0 | 49.352 | 5.02 | 0.0 | 49.804 | 5.406 | 0.0 | 49.055 | 5.627 | 0.0 | 45.77 | 6.254 |

| | | | | | |
|--------------------------|------------|------|--------|--------|------------|
| 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 | 12220 | 12221 | SN | 1 | 0.0 | 23.119 | 4.907 | 0.0 | 24.001 | 5.809 | 0.0 | 72.368 | 1.183 | 0.0 | 12.723 | 1.751 | 0.0 | 1.363 | 0.0 | 0.0 | 1.741 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.092 | 0.0 |
| 2 | 12220 | 12221 | SN | 1 | 0.0 | 30.89 | 12.189 | 0.0 | 25.876 | 12.159 | 0.0 | 75.302 | 7.651 | 0.0 | 15.762 | 8.976 | 0.0 | 1.356 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.826 | 0.0 | 0.0 | 2.096 | 0.0 |
| 3 | 12220 | 12221 | SN | 1 | 0.0 | 23.119 | 4.905 | 0.0 | 24.001 | 5.809 | 0.0 | 72.368 | 1.183 | 0.0 | 12.723 | 1.751 | 0.0 | 1.363 | 0.0 | 0.0 | 1.741 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.092 | 0.0 |
| 4 | 12220 | 12221 | SN | 1 | 0.0 | 30.89 | 12.191 | 0.0 | 25.876 | 12.159 | 0.0 | 75.302 | 7.658 | 0.0 | 15.762 | 8.976 | 0.0 | 1.356 | 0.0 | 0.0 | 1.742 | 0.0 | 0.0 | 1.826 | 0.0 | 0.0 | 2.096 | 0.0 |
| 5 | 12222 | 12223 | SN | 1 | 0.0 | 23.152 | 4.858 | 0.0 | 25.347 | 5.936 | 0.0 | 72.346 | 1.239 | 0.0 | 15.503 | 1.87 | 0.0 | 1.362 | 0.0 | 0.0 | 1.749 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.099 | 0.0 |
| 6 | 12222 | 12223 | SN | 1 | 0.0 | 30.983 | 12.121 | 0.0 | 26.009 | 12.618 | 0.0 | 78.732 | 7.685 | 0.0 | 69.77 | 9.764 | 0.0 | 1.367 | 0.0 | 0.0 | 1.756 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.098 | 0.0 |
| 7 | 12222 | 12223 | NS | 1 | 0.0 | 255.182 | 10.689 | 0.0 | 36.338 | 14.84 | 0.0 | 155.835 | 12.957 | 0.0 | 63.924 | 14.332 | 0.0 | 1.423 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.191 | 0.0 |
| 8 | 12222 | 12223 | SN | 1 | 0.0 | 23.152 | 4.867 | 0.0 | 25.545 | 5.98 | 0.0 | 72.346 | 1.243 | 0.0 | 55.194 | 1.97 | 0.0 | 1.362 | 0.0 | 0.0 | 1.751 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.101 | 0.0 |
| 9 | 12222 | 12223 | NS | 1 | 0.0 | 199.194 | 7.455 | 0.0 | 25.612 | 8.547 | 0.0 | 203.151 | 4.77 | 0.0 | 115.605 | 5.451 | 0.0 | 1.45 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 1.914 | 0.0 | 0.0 | 2.196 | 0.0 |
| 10 | 12222 | 12223 | SN | 1 | 0.0 | 30.983 | 12.129 | 0.0 | 26.009 | 12.471 | 0.0 | 78.732 | 7.701 | 0.0 | 21.393 | 9.527 | 0.0 | 1.367 | 0.0 | 0.0 | 1.75 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.098 | 0.0 |
| 11 | 12223 | 12224 | NS | 1 | 0.0 | 25.479 | 7.434 | 0.0 | 25.617 | 8.572 | 0.0 | 203.115 | 4.731 | 0.0 | 126.713 | 5.447 | 0.0 | 1.442 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.196 | 0.0 |
| 12 | 12223 | 12224 | NS | 1 | 0.0 | 25.43 | 10.627 | 0.0 | 36.366 | 14.941 | 0.0 | 175.54 | 12.944 | 0.0 | 65.761 | 14.347 | 0.0 | 1.422 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.911 | 0.0 | 0.0 | 2.191 | 0.0 |
| 13 | 12223 | 12224 | SN | 1 | 0.0 | 23.135 | 4.879 | 0.0 | 25.86 | 5.963 | 0.0 | 62.948 | 1.283 | 0.0 | 12.905 | 1.903 | 0.0 | 1.356 | 0.0 | 0.0 | 1.749 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.1 | 0.0 |
| 14 | 12223 | 12224 | SN | 1 | 0.0 | 30.845 | 12.125 | 0.0 | 26.009 | 12.4 | 0.0 | 76.124 | 7.761 | 0.0 | 18.723 | 9.442 | 0.0 | 1.382 | 0.0 | 0.0 | 1.751 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.098 | 0.0 |
| 15 | 12225 | 12226 | NS | 1 | 0.0 | 241.532 | 10.668 | 0.0 | 31.43 | 14.859 | 0.0 | 145.671 | 12.911 | 0.0 | 72.566 | 14.332 | 0.0 | 1.421 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 1.911 | 0.0 | 0.0 | 2.193 | 0.0 |
| 16 | 12225 | 12226 | SN | 1 | 0.0 | 30.939 | 12.107 | 0.0 | 25.898 | 12.222 | 0.0 | 80.69 | 7.84 | 0.0 | 16.038 | 9.134 | 0.0 | 1.361 | 0.0 | 0.0 | 1.746 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.098 | 0.0 |
| 17 | 12225 | 12226 | SN | 1 | 0.0 | 30.939 | 12.106 | 0.0 | 25.998 | 12.717 | 0.0 | 80.69 | 7.758 | 0.0 | 61.729 | 9.949 | 0.0 | 1.361 | 0.0 | 0.0 | 1.753 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.102 | 0.0 |
| 18 | 12225 | 12226 | SN | 1 | 0.0 | 23.119 | 4.876 | 0.0 | 24.624 | 5.845 | 0.0 | 69.77 | 1.299 | 0.0 | 12.629 | 1.802 | 0.0 | 1.354 | 0.0 | 0.0 | 1.743 | 0.0 | 0.0 | 1.821 | 0.0 | 0.0 | 2.093 | 0.0 |
| 19 | 12225 | 12226 | SN | 1 | 0.0 | 23.119 | 4.89 | 0.0 | 25.603 | 6.053 | 0.0 | 69.77 | 1.307 | 0.0 | 46.916 | 2.05 | 0.0 | 1.354 | 0.0 | 0.0 | 1.752 | 0.0 | 0.0 | 1.821 | 0.0 | 0.0 | 2.102 | 0.0 |
| 20 | 12225 | 12226 | NS | 1 | 0.0 | 160.236 | 7.452 | 0.0 | 25.601 | 8.531 | 0.0 | 194.657 | 4.729 | 0.0 | 123.718 | 5.449 | 0.0 | 1.447 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.197 | 0.0 |
| 21 | 12226 | 12227 | SN | 1 | 0.0 | 30.746 | 12.108 | 0.0 | 26.009 | 12.27 | 0.0 | 80.497 | 7.823 | 0.0 | 242.448 | 9.309 | 0.0 | 1.375 | 0.0 | 0.0 | 1.748 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.099 | 0.0 |
| 22 | 12226 | 12227 | SN | 1 | 0.0 | 23.124 | 4.887 | 0.0 | 71.538 | 6.015 | 0.0 | 129.2 | 1.273 | 0.0 | 44.969 | 2.039 | 0.0 | 1.353 | 0.0 | 0.0 | 1.752 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.101 | 0.0 |
| 23 | 12226 | 12227 | NS | 1 | 0.0 | 61.556 | 7.437 | 0.0 | 25.606 | 8.559 | 0.0 | 356.305 | 4.726 | 0.0 | 131.533 | 5.463 | 0.0 | 1.446 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.195 | 0.0 |
| 24 | 12226 | 12227 | SN | 1 | 0.0 | 30.746 | 12.1 | 0.0 | 26.009 | 12.596 | 0.0 | 80.497 | 7.777 | 0.0 | 242.448 | 9.924 | 0.0 | 1.375 | 0.0 | 0.0 | 1.754 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.101 | 0.0 |
| 25 | 12226 | 12227 | SN | 1 | 0.0 | 23.124 | 4.887 | 0.0 | 71.538 | 5.884 | 0.0 | 129.2 | 1.268 | 0.0 | 12.602 | 1.864 | 0.0 | 1.353 | 0.0 | 0.0 | 1.746 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.097 | 0.0 |
| 26 | 12227 | 12228 | SN | 1 | 0.0 | 30.801 | 12.139 | 0.0 | 26.009 | 12.635 | 0.0 | 79.57 | 7.678 | 0.0 | 140.966 | 9.831 | 0.0 | 1.376 | 0.0 | 0.0 | 1.753 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.101 | 0.0 |
| 27 | 12227 | 12228 | SN | 1 | 0.0 | 30.801 | 12.139 | 0.0 | 26.009 | 12.625 | 0.0 | 79.57 | 7.677 | 0.0 | 140.966 | 9.831 | 0.0 | 1.376 | 0.0 | 0.0 | 1.753 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.101 | 0.0 |
| 28 | 12227 | 12228 | SN | 1 | 0.0 | 30.801 | 12.162 | 0.0 | 25.557 | 11.932 | 0.0 | 79.57 | 7.739 | 0.0 | 140.966 | 8.417 | 0.0 | 1.376 | 0.0 | 0.0 | 1.744 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.095 | 0.0 |
| 29 | 12227 | 12228 | NS | 1 | 0.0 | 46.505 | 10.635 | 0.0 | 31.369 | 14.759 | 0.0 | 355.367 | 12.991 | 0.0 | 75.357 | 14.296 | 0.0 | 1.417 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.894 | 0.0 | 0.0 | 2.193 | 0.0 |
| 30 | 12227 | 12228 | SN | 1 | 0.0 | 23.119 | 4.873 | 0.0 | 25.419 | 6.001 | 0.0 | 59.192 | 1.262 | 0.0 | 52.63 | 2.013 | 0.0 | 1.352 | 0.0 | 0.0 | 1.752 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.103 | 0.0 |
| 31 | 12227 | 12228 | SN | 1 | 0.0 | 23.119 | 4.849 | 0.0 | 24.586 | 5.719 | 0.0 | 59.192 | 1.246 | 0.0 | 12.139 | 1.695 | 0.0 | 1.352 | 0.0 | 0.0 | 1.738 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.086 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 32 | 12227 | 12228 | SN | 1 | 0.0 | 23.119 | 4.873 | 0.0 | 25.419 | 6.001 | 0.0 | 59.192 | 1.26 | 0.0 | 52.591 | 2.015 | 0.0 | 1.352 | 0.0 | 0.0 | 1.752 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.103 | 0.0 |
| 33 | 12228 | 12229 | NS | 1 | 0.0 | 218.325 | 10.597 | 0.0 | 31.529 | 14.913 | 0.0 | 260.884 | 12.92 | 0.0 | 59.672 | 14.297 | 0.0 | 1.415 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.89 | 0.0 | 0.0 | 2.192 | 0.0 |
| 34 | 12228 | 12229 | NS | 1 | 0.0 | 25.788 | 10.585 | 0.0 | 31.529 | 14.924 | 0.0 | 148.334 | 12.891 | 0.0 | 59.656 | 14.29 | 0.0 | 1.415 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.191 | 0.0 |
| 35 | 12228 | 12229 | NS | 1 | 0.0 | 218.325 | 10.597 | 0.0 | 31.529 | 14.913 | 0.0 | 260.884 | 12.92 | 0.0 | 59.672 | 14.297 | 0.0 | 1.415 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.89 | 0.0 | 0.0 | 2.192 | 0.0 |
| 36 | 12228 | 12229 | SN | 1 | 0.0 | 30.917 | 12.107 | 0.0 | 26.009 | 12.525 | 0.0 | 77.028 | 7.496 | 0.0 | 124.554 | 9.67 | 0.0 | 1.367 | 0.0 | 0.0 | 1.755 | 0.0 | 0.0 | 1.826 | 0.0 | 0.0 | 2.099 | 0.0 |
| 37 | 12228 | 12229 | SN | 1 | 0.0 | 23.119 | 4.854 | 0.0 | 25.529 | 5.948 | 0.0 | 73.945 | 1.174 | 0.0 | 274.6 | 1.947 | 0.0 | 1.351 | 0.0 | 0.0 | 1.752 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.101 | 0.0 |
| 38 | 12228 | 12229 | NS | 1 | 0.0 | 25.435 | 7.497 | 0.0 | 25.617 | 8.592 | 0.0 | 268.74 | 4.75 | 0.0 | 125.494 | 5.444 | 0.0 | 1.449 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.196 | 0.0 |
| 39 | 12228 | 12229 | NS | 1 | 0.0 | 25.435 | 7.495 | 0.0 | 25.612 | 8.587 | 0.0 | 145.709 | 4.752 | 0.0 | 125.45 | 5.449 | 0.0 | 1.451 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 1.914 | 0.0 | 0.0 | 2.196 | 0.0 |
| 40 | 12228 | 12229 | NS | 1 | 0.0 | 25.435 | 7.497 | 0.0 | 25.617 | 8.592 | 0.0 | 268.74 | 4.75 | 0.0 | 125.516 | 5.444 | 0.0 | 1.449 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.196 | 0.0 |
| 41 | 12229 | 12230 | NS | 1 | 0.0 | 253.61 | 7.427 | 0.0 | 25.612 | 8.557 | 0.0 | 346.61 | 4.71 | 0.0 | 118.661 | 5.492 | 0.0 | 1.45 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.195 | 0.0 |
| 42 | 12229 | 12230 | NS | 1 | 0.0 | 155.884 | 10.636 | 0.0 | 31.513 | 14.917 | 0.0 | 351.882 | 12.989 | 0.0 | 141.46 | 14.319 | 0.0 | 1.407 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.909 | 0.0 | 0.0 | 2.194 | 0.0 |
| 43 | 12229 | 12230 | SN | 1 | 0.0 | 29.213 | 12.177 | 0.0 | 77.93 | 12.705 | 0.0 | 82.99 | 7.581 | 0.0 | 63.268 | 9.887 | 0.0 | 1.386 | 0.0 | 0.0 | 1.756 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.101 | 0.0 |
| 44 | 12229 | 12230 | NS | 1 | 0.0 | 66.972 | 7.427 | 0.0 | 25.612 | 8.557 | 0.0 | 346.61 | 4.711 | 0.0 | 118.606 | 5.489 | 0.0 | 1.451 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.195 | 0.0 |
| 45 | 12229 | 12230 | SN | 1 | 0.0 | 23.124 | 4.87 | 0.0 | 69.238 | 6.001 | 0.0 | 79.94 | 1.238 | 0.0 | 48.339 | 2.031 | 0.0 | 1.35 | 0.0 | 0.0 | 1.752 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.102 | 0.0 |
| 46 | 12229 | 12230 | NS | 1 | 0.0 | 155.895 | 10.636 | 0.0 | 31.507 | 14.917 | 0.0 | 351.882 | 13.003 | 0.0 | 141.421 | 14.305 | 0.0 | 1.407 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.909 | 0.0 | 0.0 | 2.194 | 0.0 |
| 47 | 12230 | 12231 | SN | 1 | 0.0 | 23.119 | 4.887 | 0.0 | 220.57 | 6.024 | 0.0 | 119.891 | 1.294 | 0.0 | 52.078 | 2.05 | 0.0 | 1.353 | 0.0 | 0.0 | 1.752 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.103 | 0.0 |
| 48 | 12230 | 12231 | SN | 1 | 0.0 | 30.862 | 12.147 | 0.0 | 157.826 | 12.703 | 0.0 | 84.109 | 7.683 | 0.0 | 68.706 | 9.914 | 0.0 | 1.362 | 0.0 | 0.0 | 1.754 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.102 | 0.0 |
| 49 | 12230 | 12231 | SN | 1 | 0.0 | 30.862 | 12.147 | 0.0 | 157.826 | 12.703 | 0.0 | 84.109 | 7.683 | 0.0 | 68.706 | 9.914 | 0.0 | 1.362 | 0.0 | 0.0 | 1.754 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.102 | 0.0 |
| 50 | 12230 | 12231 | NS | 1 | 0.0 | 218.593 | 7.454 | 0.0 | 97.935 | 8.592 | 0.0 | 354.011 | 4.773 | 0.0 | 114.789 | 5.521 | 0.0 | 1.449 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.912 | 0.0 | 0.0 | 2.195 | 0.0 |
| 51 | 12230 | 12231 | NS | 1 | 0.0 | 256.384 | 10.681 | 0.0 | 79.835 | 15.05 | 0.0 | 155.669 | 13.124 | 0.0 | 149.192 | 14.501 | 0.0 | 1.407 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.192 | 0.0 |
| 52 | 12230 | 12231 | NS | 1 | 0.0 | 218.593 | 7.452 | 0.0 | 97.935 | 8.592 | 0.0 | 354.011 | 4.773 | 0.0 | 114.784 | 5.523 | 0.0 | 1.449 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.912 | 0.0 | 0.0 | 2.195 | 0.0 |
| 53 | 12230 | 12231 | SN | 1 | 0.0 | 23.119 | 4.887 | 0.0 | 220.57 | 6.024 | 0.0 | 119.891 | 1.294 | 0.0 | 52.078 | 2.05 | 0.0 | 1.353 | 0.0 | 0.0 | 1.752 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.103 | 0.0 |
| 54 | 12230 | 12231 | NS | 1 | 0.0 | 256.384 | 10.681 | 0.0 | 79.835 | 15.061 | 0.0 | 155.669 | 13.124 | 0.0 | 149.186 | 14.501 | 0.0 | 1.407 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.192 | 0.0 |
| 55 | 12231 | 12232 | SN | 1 | 0.0 | 23.119 | 4.882 | 0.0 | 123.037 | 5.988 | 0.0 | 69.765 | 1.311 | 0.0 | 122.667 | 2.071 | 0.0 | 1.361 | 0.0 | 0.0 | 1.753 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.104 | 0.0 |
| 56 | 12231 | 12232 | NS | 1 | 0.0 | 146.25 | 10.699 | 0.0 | 31.474 | 14.849 | 0.0 | 266.3 | 12.901 | 0.0 | 143.986 | 14.258 | 0.0 | 1.417 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.192 | 0.0 |
| 57 | 12231 | 12232 | NS | 1 | 0.0 | 216.491 | 7.465 | 0.0 | 25.617 | 8.628 | 0.0 | 209.749 | 4.765 | 0.0 | 60.621 | 5.454 | 0.0 | 1.448 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.196 | 0.0 |
| 58 | 12231 | 12232 | SN | 1 | 0.0 | 30.845 | 12.177 | 0.0 | 125.287 | 12.752 | 0.0 | 74.05 | 7.761 | 0.0 | 121.264 | 9.979 | 0.0 | 1.352 | 0.0 | 0.0 | 1.754 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.102 | 0.0 |
| 59 | 12231 | 12232 | SN | 1 | 0.0 | 30.845 | 12.177 | 0.0 | 125.287 | 12.752 | 0.0 | 74.05 | 7.761 | 0.0 | 121.264 | 9.979 | 0.0 | 1.352 | 0.0 | 0.0 | 1.754 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.102 | 0.0 |
| 60 | 12231 | 12232 | NS | 1 | 0.0 | 216.491 | 7.444 | 0.0 | 25.617 | 8.615 | 0.0 | 226.741 | 4.752 | 0.0 | 128.56 | 5.459 | 0.0 | 1.443 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.914 | 0.0 | 0.0 | 2.196 | 0.0 |
| 61 | 12231 | 12232 | SN | 1 | 0.0 | 23.119 | 4.882 | 0.0 | 123.037 | 5.988 | 0.0 | 69.765 | 1.311 | 0.0 | 122.667 | 2.071 | 0.0 | 1.361 | 0.0 | 0.0 | 1.753 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.104 | 0.0 |
| 62 | 12231 | 12232 | NS | 1 | 0.0 | 216.491 | 7.446 | 0.0 | 25.617 | 8.622 | 0.0 | 209.749 | 4.75 | 0.0 | 128.577 | 5.457 | 0.0 | 1.448 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.196 | 0.0 |
| 63 | 12231 | 12232 | NS | 1 | 0.0 | 146.244 | 10.673 | 0.0 | 31.474 | 14.807 | 0.0 | 168.778 | 12.93 | 0.0 | 47.247 | 14.231 | 0.0 | 1.418 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.192 | 0.0 |
| 64 | 12232 | 12233 | NS | 1 | 0.0 | 24.547 | 10.55 | 0.0 | 31.43 | 14.918 | 0.0 | 354.992 | 12.831 | 0.0 | 73.305 | 14.145 | 0.0 | 1.413 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.194 | 0.0 |
| 65 | 12232 | 12233 | NS | 1 | 0.0 | 24.547 | 10.694 | 0.0 | 28.777 | 14.477 | 0.0 | 354.992 | 13.41 | 0.0 | 16.716 | 13.792 | 0.0 | 1.413 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.194 | 0.0 |
| 66 | 12232 | 12233 | SN | 1 | 0.0 | 30.873 | 12.138 | 0.0 | 26.009 | 12.612 | 0.0 | 57.825 | 7.855 | 0.0 | 110.314 | 9.989 | 0.0 | 1.354 | 0.0 | 0.0 | 1.756 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.101 | 0.0 |
| 67 | 12232 | 12233 | NS | 1 | 0.0 | 25.477 | 7.446 | 0.0 | 25.617 | 8.625 | 0.0 | 200.161 | 4.761 | 0.0 | 125.345 | 5.43 | 0.0 | 1.423 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.197 | 0.0 |
| 68 | 12232 | 12233 | NS | 1 | 0.0 | 24.547 | 10.55 | 0.0 | 31.43 | 14.918 | 0.0 | 354.992 | 12.831 | 0.0 | 73.305 | 14.145 | 0.0 | 1.413 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.194 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 69 | 12232 | 12233 | NS | 1 | 0.0 | 25.477 | 7.727 | 0.0 | 25.617 | 8.775 | 0.0 | 200.161 | 5.013 | 0.0 | 16.716 | 5.539 | 0.0 | 1.423 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.197 | 0.0 |
| 70 | 12232 | 12233 | SN | 1 | 0.0 | 23.119 | 4.884 | 0.0 | 25.871 | 5.992 | 0.0 | 79.515 | 1.32 | 0.0 | 196.715 | 2.088 | 0.0 | 1.352 | 0.0 | 0.0 | 1.754 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.106 | 0.0 |
| 71 | 12232 | 12233 | NS | 1 | 0.0 | 25.477 | 7.446 | 0.0 | 25.617 | 8.625 | 0.0 | 200.161 | 4.761 | 0.0 | 125.345 | 5.43 | 0.0 | 1.423 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.197 | 0.0 |
| 72 | 12232 | 12233 | SN | 1 | 0.0 | 30.873 | 12.138 | 0.0 | 26.009 | 12.612 | 0.0 | 57.825 | 7.855 | 0.0 | 110.314 | 9.989 | 0.0 | 1.354 | 0.0 | 0.0 | 1.756 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.101 | 0.0 |
| 73 | 12233 | 12234 | NS | 1 | 0.0 | 25.705 | 10.678 | 0.0 | 31.535 | 15.202 | 0.0 | 238.935 | 12.99 | 0.0 | 129.079 | 14.098 | 0.0 | 1.413 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 1.887 | 0.0 | 0.0 | 2.197 | 0.0 |
| 74 | 12233 | 12234 | NS | 1 | 0.0 | 25.424 | 8.044 | 0.0 | 25.612 | 9.034 | 0.0 | 258.75 | 5.341 | 0.0 | 16.721 | 5.83 | 0.0 | 1.424 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.197 | 0.0 |
| 75 | 12233 | 12234 | SN | 1 | 0.0 | 30.928 | 12.2 | 0.0 | 45.535 | 12.622 | 0.0 | 77.585 | 7.862 | 0.0 | 158.344 | 9.91 | 0.0 | 1.362 | 0.0 | 0.0 | 1.756 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.101 | 0.0 |
| 76 | 12233 | 12234 | SN | 1 | 0.0 | 30.923 | 12.189 | 0.0 | 25.998 | 12.612 | 0.0 | 77.574 | 7.84 | 0.0 | 104.633 | 9.924 | 0.0 | 1.354 | 0.0 | 0.0 | 1.756 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.101 | 0.0 |
| 77 | 12233 | 12234 | NS | 1 | 0.0 | 25.424 | 7.474 | 0.0 | 25.612 | 8.653 | 0.0 | 258.75 | 4.832 | 0.0 | 113.146 | 5.46 | 0.0 | 1.424 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.197 | 0.0 |
| 78 | 12233 | 12234 | NS | 1 | 0.0 | 25.424 | 7.474 | 0.0 | 25.612 | 8.653 | 0.0 | 258.75 | 4.832 | 0.0 | 113.146 | 5.46 | 0.0 | 1.424 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.197 | 0.0 |
| 79 | 12233 | 12234 | NS | 1 | 0.0 | 25.705 | 10.945 | 0.0 | 28.783 | 14.652 | 0.0 | 238.935 | 14.233 | 0.0 | 16.727 | 13.908 | 0.0 | 1.413 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 1.887 | 0.0 | 0.0 | 2.197 | 0.0 |
| 80 | 12233 | 12234 | NS | 1 | 0.0 | 25.705 | 10.678 | 0.0 | 31.535 | 15.202 | 0.0 | 238.935 | 12.99 | 0.0 | 129.079 | 14.098 | 0.0 | 1.413 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 1.887 | 0.0 | 0.0 | 2.197 | 0.0 |
| 81 | 12233 | 12234 | SN | 1 | 0.0 | 23.113 | 4.906 | 0.0 | 25.876 | 5.974 | 0.0 | 58.922 | 1.324 | 0.0 | 74.574 | 2.1 | 0.0 | 1.352 | 0.0 | 0.0 | 1.755 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.106 | 0.0 |
| 82 | 12233 | 12234 | SN | 1 | 0.0 | 23.113 | 4.906 | 0.0 | 69.144 | 5.976 | 0.0 | 58.939 | 1.326 | 0.0 | 75.544 | 2.097 | 0.0 | 1.352 | 0.0 | 0.0 | 1.754 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.106 | 0.0 |
| 83 | 12234 | 12235 | NS | 1 | 0.0 | 170.328 | 10.727 | 0.0 | 31.546 | 15.159 | 0.0 | 148.395 | 12.863 | 0.0 | 59.601 | 14.02 | 0.0 | 1.396 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 1.89 | 0.0 | 0.0 | 2.197 | 0.0 |
| 84 | 12234 | 12235 | SN | 1 | 0.0 | 23.13 | 4.83 | 0.0 | 25.876 | 5.959 | 0.0 | 64.862 | 1.278 | 0.0 | 47.208 | 2.045 | 0.0 | 1.355 | 0.0 | 0.0 | 1.755 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.103 | 0.0 |
| 85 | 12234 | 12235 | SN | 1 | 0.0 | 23.13 | 4.804 | 0.0 | 25.876 | 5.701 | 0.0 | 64.862 | 1.268 | 0.0 | 12.53 | 1.726 | 0.0 | 1.355 | 0.0 | 0.0 | 1.74 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.094 | 0.0 |
| 86 | 12234 | 12235 | NS | 1 | 0.0 | 79.066 | 8.343 | 0.0 | 25.623 | 9.357 | 0.0 | 352.555 | 5.689 | 0.0 | 16.716 | 6.201 | 0.0 | 1.436 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.197 | 0.0 |
| 87 | 12234 | 12235 | NS | 1 | 0.0 | 170.328 | 10.727 | 0.0 | 31.546 | 15.159 | 0.0 | 148.395 | 12.87 | 0.0 | 59.601 | 14.02 | 0.0 | 1.396 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 1.89 | 0.0 | 0.0 | 2.197 | 0.0 |
| 88 | 12234 | 12235 | NS | 1 | 0.0 | 79.066 | 7.479 | 0.0 | 25.623 | 8.668 | 0.0 | 352.555 | 4.841 | 0.0 | 156.979 | 5.438 | 0.0 | 1.436 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.197 | 0.0 |
| 89 | 12234 | 12235 | NS | 1 | 0.0 | 79.066 | 7.479 | 0.0 | 25.623 | 8.668 | 0.0 | 352.555 | 4.841 | 0.0 | 156.979 | 5.438 | 0.0 | 1.436 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.197 | 0.0 |
| 90 | 12234 | 12235 | SN | 1 | 0.0 | 31.038 | 12.211 | 0.0 | 26.014 | 12.61 | 0.0 | 76.587 | 7.733 | 0.0 | 62.336 | 9.806 | 0.0 | 1.378 | 0.0 | 0.0 | 1.756 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.1 | 0.0 |
| 91 | 12234 | 12235 | SN | 1 | 0.0 | 31.038 | 12.237 | 0.0 | 25.727 | 12.026 | 0.0 | 76.587 | 7.808 | 0.0 | 14.328 | 8.65 | 0.0 | 1.378 | 0.0 | 0.0 | 1.745 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.097 | 0.0 |
| 92 | 12234 | 12235 | NS | 1 | 0.0 | 170.328 | 11.147 | 0.0 | 28.772 | 14.647 | 0.0 | 148.395 | 14.978 | 0.0 | 16.727 | 14.293 | 0.0 | 1.396 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 1.89 | 0.0 | 0.0 | 2.197 | 0.0 |
| 93 | 12235 | 12236 | SN | 1 | 0.0 | 23.13 | 4.828 | 0.0 | 25.871 | 5.942 | 0.0 | 59.97 | 1.344 | 0.0 | 49.045 | 2.088 | 0.0 | 1.358 | 0.0 | 0.0 | 1.755 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.103 | 0.0 |
| 94 | 12235 | 12236 | NS | 1 | 0.0 | 26.944 | 7.474 | 0.0 | 25.617 | 8.657 | 0.0 | 355.787 | 4.78 | 0.0 | 143.103 | 5.437 | 0.0 | 1.436 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.196 | 0.0 |
| 95 | 12235 | 12236 | SN | 1 | 0.0 | 30.945 | 12.233 | 0.0 | 26.014 | 12.67 | 0.0 | 73.614 | 7.803 | 0.0 | 68.27 | 9.849 | 0.0 | 1.371 | 0.0 | 0.0 | 1.756 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.101 | 0.0 |
| 96 | 12235 | 12236 | SN | 1 | 0.0 | 30.945 | 12.24 | 0.0 | 26.014 | 12.365 | 0.0 | 73.614 | 7.83 | 0.0 | 18.095 | 9.392 | 0.0 | 1.371 | 0.0 | 0.0 | 1.75 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.103 | 0.0 |
| 97 | 12235 | 12236 | SN | 1 | 0.0 | 30.945 | 12.233 | 0.0 | 26.014 | 12.64 | 0.0 | 73.614 | 7.803 | 0.0 | 68.276 | 9.849 | 0.0 | 1.371 | 0.0 | 0.0 | 1.756 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.101 | 0.0 |
| 98 | 12235 | 12236 | SN | 1 | 0.0 | 23.13 | 4.82 | 0.0 | 25.871 | 5.832 | 0.0 | 59.97 | 1.339 | 0.0 | 14.124 | 1.933 | 0.0 | 1.358 | 0.0 | 0.0 | 1.748 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.098 | 0.0 |
| 99 | 12235 | 12236 | NS | 1 | 0.0 | 92.506 | 10.697 | 0.0 | 31.529 | 15.159 | 0.0 | 260.498 | 12.884 | 0.0 | 70.95 | 14.07 | 0.0 | 1.413 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 1.891 | 0.0 | 0.0 | 2.197 | 0.0 |
| 100 | 12235 | 12236 | SN | 1 | 0.0 | 23.13 | 4.828 | 0.0 | 25.871 | 5.945 | 0.0 | 59.97 | 1.344 | 0.0 | 51.427 | 2.09 | 0.0 | 1.358 | 0.0 | 0.0 | 1.755 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.103 | 0.0 |
| 101 | 12235 | 12236 | NS | 1 | 0.0 | 92.506 | 10.697 | 0.0 | 31.529 | 15.159 | 0.0 | 260.498 | 12.884 | 0.0 | 70.95 | 14.07 | 0.0 | 1.413 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 1.891 | 0.0 | 0.0 | 2.197 | 0.0 |
| 102 | 12235 | 12236 | NS | 1 | 0.0 | 26.944 | 7.474 | 0.0 | 25.617 | 8.657 | 0.0 | 355.787 | 4.78 | 0.0 | 143.103 | 5.437 | 0.0 | 1.436 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.196 | 0.0 |
| 103 | 12236 | 12237 | SN | 1 | 0.0 | 30.884 | 12.156 | 0.0 | 90.201 | 12.732 | 0.0 | 83.089 | 7.847 | 0.0 | 65.822 | 10.022 | 0.0 | 1.38 | 0.0 | 0.0 | 1.758 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.105 | 0.0 |
| 104 | 12236 | 12237 | NS | 1 | 0.0 | 117.097 | 7.391 | 0.0 | 25.612 | 8.658 | 0.0 | 165.133 | 4.731 | 0.0 | 120.762 | 5.359 | 0.0 | 1.439 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.196 | 0.0 |
| 105 | 12236 | 12237 | NS | 1 | 0.0 | 117.097 | 7.398 | 0.0 | 25.612 | 8.656 | 0.0 | 165.133 | 4.733 | 0.0 | 120.734 | 5.366 | 0.0 | 1.439 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.196 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-------|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 106 | 12236 | 12237 | SN | 1 | 0.0 | 23.163 | 4.875 | 0.0 | 85.844 | 5.986 | 0.0 | 71.441 | 1.378 | 0.0 | 47.308 | 2.105 | 0.0 | 1.38 | 0.0 | 0.0 | 1.754 | 0.0 | 0.0 | 1.819 | 0.0 | 0.0 | 2.107 | 0.0 |
| 107 | 12236 | 12237 | SN | 1 | 0.0 | 23.163 | 4.866 | 0.0 | 85.844 | 5.944 | 0.0 | 71.441 | 1.381 | 0.0 | 15.85 | 2.016 | 0.0 | 1.38 | 0.0 | 0.0 | 1.752 | 0.0 | 0.0 | 1.819 | 0.0 | 0.0 | 2.102 | 0.0 |
| 108 | 12236 | 12237 | SN | 1 | 0.0 | 30.884 | 12.163 | 0.0 | 90.201 | 12.607 | 0.0 | 83.089 | 7.853 | 0.0 | 22.071 | 9.794 | 0.0 | 1.38 | 0.0 | 0.0 | 1.754 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.103 | 0.0 |
| 109 | 12236 | 12237 | SN | 1 | 0.0 | 30.884 | 12.163 | 0.0 | 90.201 | 12.607 | 0.0 | 83.089 | 7.853 | 0.0 | 22.071 | 9.794 | 0.0 | 1.38 | 0.0 | 0.0 | 1.754 | 0.0 | 0.0 | 1.828 | 0.0 | 0.0 | 2.103 | 0.0 |
| 110 | 12236 | 12237 | NS | 1 | 0.006 | 123.771 | 10.573 | 0.0 | 31.546 | 15.154 | 0.0 | 203.076 | 12.784 | 0.0 | 73.283 | 13.984 | 0.0 | 1.407 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.19 | 0.0 |
| 111 | 12236 | 12237 | SN | 1 | 0.0 | 23.163 | 4.867 | 0.0 | 85.844 | 5.94 | 0.0 | 71.441 | 1.381 | 0.0 | 15.85 | 2.008 | 0.0 | 1.38 | 0.0 | 0.0 | 1.752 | 0.0 | 0.0 | 1.819 | 0.0 | 0.0 | 2.102 | 0.0 |
| 112 | 12236 | 12237 | NS | 1 | 0.006 | 123.771 | 10.563 | 0.0 | 31.54 | 15.154 | 0.0 | 203.076 | 12.777 | 0.0 | 73.278 | 13.991 | 0.0 | 1.407 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.193 | 0.0 |
| 113 | 12237 | 12238 | SN | 1 | 0.0 | 30.856 | 12.149 | 0.0 | 71.952 | 12.67 | 0.0 | 77.822 | 8.035 | 0.0 | 105.841 | 10.036 | 0.0 | 1.365 | 0.0 | 0.0 | 1.768 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.16 | 0.0 |
| 114 | 12237 | 12238 | SN | 1 | 0.0 | 30.856 | 12.152 | 0.0 | 71.952 | 12.495 | 0.0 | 77.822 | 8.04 | 0.0 | 105.841 | 9.733 | 0.0 | 1.365 | 0.0 | 0.0 | 1.768 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.16 | 0.0 |
| 115 | 12237 | 12238 | SN | 1 | 0.0 | 30.856 | 12.149 | 0.0 | 71.952 | 12.67 | 0.0 | 77.822 | 8.035 | 0.0 | 105.841 | 10.036 | 0.0 | 1.365 | 0.0 | 0.0 | 1.768 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.16 | 0.0 |
| 116 | 12237 | 12238 | NS | 1 | 0.0 | 261.91 | 10.572 | 0.0 | 31.535 | 15.032 | 0.0 | 355.318 | 12.798 | 0.0 | 71.794 | 13.991 | 0.0 | 1.422 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.191 | 0.0 |
| 117 | 12237 | 12238 | NS | 1 | 0.0 | 261.91 | 10.572 | 0.0 | 31.535 | 15.032 | 0.0 | 355.318 | 12.798 | 0.0 | 71.794 | 13.991 | 0.0 | 1.422 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.191 | 0.0 |
| 118 | 12237 | 12238 | SN | 1 | 0.0 | 23.902 | 4.829 | 0.0 | 229.046 | 5.888 | 0.0 | 67.652 | 1.358 | 0.0 | 142.262 | 2.01 | 0.0 | 1.384 | 0.0 | 0.0 | 1.752 | 0.0 | 0.0 | 1.857 | 0.0 | 0.0 | 2.141 | 0.0 |
| 119 | 12237 | 12238 | SN | 1 | 0.0 | 23.902 | 4.843 | 0.0 | 229.046 | 5.949 | 0.0 | 67.652 | 1.358 | 0.0 | 142.262 | 2.129 | 0.0 | 1.384 | 0.0 | 0.0 | 1.754 | 0.0 | 0.0 | 1.857 | 0.0 | 0.0 | 2.141 | 0.0 |
| 120 | 12237 | 12238 | SN | 1 | 0.0 | 23.902 | 4.843 | 0.0 | 229.046 | 5.949 | 0.0 | 67.652 | 1.358 | 0.0 | 142.262 | 2.129 | 0.0 | 1.384 | 0.0 | 0.0 | 1.754 | 0.0 | 0.0 | 1.857 | 0.0 | 0.0 | 2.141 | 0.0 |
| 121 | 12237 | 12238 | NS | 1 | 0.0 | 240.567 | 7.377 | 0.0 | 25.617 | 8.638 | 0.0 | 355.318 | 4.673 | 0.0 | 124.578 | 5.385 | 0.0 | 1.448 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.196 | 0.0 |
| 122 | 12237 | 12238 | NS | 1 | 0.0 | 240.567 | 7.377 | 0.0 | 25.617 | 8.635 | 0.0 | 355.318 | 4.673 | 0.0 | 124.578 | 5.383 | 0.0 | 1.448 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.196 | 0.0 |
| 123 | 12238 | 12239 | SN | 1 | 0.0 | 30.862 | 12.135 | 0.0 | 25.932 | 12.318 | 0.0 | 83.128 | 8.084 | 0.0 | 224.088 | 9.67 | 0.0 | 1.376 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.886 | 0.0 | 0.0 | 2.208 | 0.0 |
| 124 | 12238 | 12239 | NS | 1 | 0.0 | 66.696 | 10.552 | 0.0 | 31.507 | 15.046 | 0.0 | 357.612 | 12.717 | 0.0 | 74.293 | 13.939 | 0.0 | 1.42 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.196 | 0.0 |
| 125 | 12238 | 12239 | NS | 1 | 0.0 | 66.696 | 10.552 | 0.0 | 31.502 | 14.986 | 0.0 | 355.147 | 12.738 | 0.0 | 74.282 | 13.932 | 0.0 | 1.415 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.196 | 0.0 |
| 126 | 12238 | 12239 | SN | 1 | 0.0 | 23.13 | 4.885 | 0.0 | 25.854 | 5.89 | 0.0 | 77.756 | 1.354 | 0.0 | 198.587 | 2.029 | 0.0 | 1.452 | 0.0 | 0.0 | 1.767 | 0.0 | 0.0 | 1.906 | 0.0 | 0.0 | 2.191 | 0.0 |
| 127 | 12238 | 12239 | SN | 1 | 0.0 | 23.13 | 4.896 | 0.0 | 25.854 | 5.999 | 0.0 | 77.756 | 1.361 | 0.0 | 198.587 | 2.191 | 0.0 | 1.452 | 0.0 | 0.0 | 1.767 | 0.0 | 0.0 | 1.906 | 0.0 | 0.0 | 2.191 | 0.0 |
| 128 | 12238 | 12239 | SN | 1 | 0.0 | 30.862 | 12.129 | 0.0 | 25.976 | 12.614 | 0.0 | 83.128 | 8.052 | 0.0 | 224.088 | 10.189 | 0.0 | 1.376 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.886 | 0.0 | 0.0 | 2.208 | 0.0 |
| 129 | 12238 | 12239 | SN | 1 | 0.0 | 23.13 | 4.896 | 0.0 | 25.854 | 5.999 | 0.0 | 77.756 | 1.361 | 0.0 | 198.587 | 2.191 | 0.0 | 1.452 | 0.0 | 0.0 | 1.767 | 0.0 | 0.0 | 1.906 | 0.0 | 0.0 | 2.191 | 0.0 |
| 130 | 12238 | 12239 | NS | 1 | 0.0 | 94.833 | 7.345 | 0.0 | 25.595 | 8.646 | 0.0 | 210.734 | 4.659 | 0.0 | 114.227 | 5.383 | 0.0 | 1.45 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.914 | 0.0 | 0.0 | 2.196 | 0.0 |
| 131 | 12238 | 12239 | NS | 1 | 0.0 | 94.828 | 7.354 | 0.0 | 25.601 | 8.637 | 0.0 | 203.214 | 4.661 | 0.0 | 114.21 | 5.394 | 0.0 | 1.449 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.196 | 0.0 |
| 132 | 12238 | 12239 | SN | 1 | 0.0 | 30.862 | 12.129 | 0.0 | 25.976 | 12.614 | 0.0 | 83.128 | 8.052 | 0.0 | 224.088 | 10.189 | 0.0 | 1.376 | 0.0 | 0.0 | 1.796 | 0.0 | 0.0 | 1.886 | 0.0 | 0.0 | 2.208 | 0.0 |
| 133 | 12239 | 12240 | SN | 1 | 0.0 | 30.989 | 12.166 | 0.0 | 50.961 | 12.248 | 0.0 | 79.708 | 8.07 | 0.0 | 138.396 | 9.441 | 0.0 | 1.442 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 1.944 | 0.0 | 0.0 | 2.254 | 0.0 |
| 134 | 12239 | 12240 | SN | 1 | 0.0 | 23.135 | 4.911 | 0.0 | 69.045 | 5.857 | 0.0 | 58.442 | 1.373 | 0.0 | 205.845 | 2.003 | 0.0 | 1.478 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.952 | 0.0 | 0.0 | 2.241 | 0.0 |
| 135 | 12239 | 12240 | NS | 1 | 0.0 | 269.482 | 7.358 | 0.0 | 25.595 | 8.64 | 0.0 | 354.325 | 4.664 | 0.0 | 144.714 | 5.404 | 0.0 | 1.45 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.195 | 0.0 |
| 136 | 12239 | 12240 | SN | 1 | 0.0 | 30.989 | 12.169 | 0.0 | 50.961 | 12.674 | 0.0 | 79.708 | 8.009 | 0.0 | 138.396 | 10.132 | 0.0 | 1.442 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 1.944 | 0.0 | 0.0 | 2.254 | 0.0 |
| 137 | 12239 | 12240 | NS | 1 | 0.0 | 269.515 | 10.563 | 0.0 | 31.452 | 15.087 | 0.0 | 357.772 | 12.723 | 0.0 | 69.329 | 13.96 | 0.0 | 1.42 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.195 | 0.0 |
| 138 | 12239 | 12240 | NS | 1 | 0.0 | 269.504 | 10.553 | 0.0 | 31.452 | 15.117 | 0.0 | 357.772 | 12.723 | 0.0 | 69.346 | 13.946 | 0.0 | 1.42 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.195 | 0.0 |
| 139 | 12239 | 12240 | SN | 1 | 0.0 | 23.135 | 4.92 | 0.0 | 69.045 | 6.008 | 0.0 | 58.442 | 1.373 | 0.0 | 205.845 | 2.209 | 0.0 | 1.478 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.952 | 0.0 | 0.0 | 2.241 | 0.0 |
| 140 | 12239 | 12240 | SN | 1 | 0.0 | 30.989 | 12.169 | 0.0 | 50.961 | 12.674 | 0.0 | 79.708 | 8.002 | 0.0 | 138.396 | 10.132 | 0.0 | 1.442 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 1.944 | 0.0 | 0.0 | 2.254 | 0.0 |
| 141 | 12239 | 12240 | SN | 1 | 0.0 | 23.135 | 4.92 | 0.0 | 69.045 | 6.013 | 0.0 | 58.442 | 1.375 | 0.0 | 205.845 | 2.209 | 0.0 | 1.478 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.952 | 0.0 | 0.0 | 2.241 | 0.0 |
| 142 | 12240 | 12241 | NS | 1 | 0.0 | 168.144 | 10.589 | 0.0 | 31.557 | 14.998 | 0.0 | 268.82 | 12.78 | 0.0 | 59.645 | 13.75 | 0.0 | 1.395 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.889 | 0.0 | 0.0 | 2.197 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 143 | 12240 | 12241 | NS | 1 | 0.0 | 80.825 | 7.394 | 0.0 | 25.606 | 8.579 | 0.0 | 352.615 | 4.691 | 0.0 | 118.578 | 5.386 | 0.0 | 1.441 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 1.912 | 0.0 | 0.0 | 2.195 | 0.0 |
| 144 | 12240 | 12241 | SN | 1 | 0.0 | 23.141 | 4.931 | 0.0 | 125.723 | 6.039 | 0.0 | 73.394 | 1.4 | 0.0 | 73.741 | 2.219 | 0.0 | 1.535 | 0.0 | 0.0 | 1.793 | 0.0 | 0.0 | 1.963 | 0.0 | 0.0 | 2.274 | 0.0 |
| 145 | 12240 | 12241 | SN | 1 | 0.0 | 30.983 | 12.133 | 0.0 | 82.38 | 12.613 | 0.0 | 76.488 | 8.007 | 0.0 | 75.255 | 10.199 | 0.0 | 1.505 | 0.0 | 0.0 | 1.818 | 0.0 | 0.0 | 1.964 | 0.0 | 0.0 | 2.285 | 0.0 |
| 146 | 12240 | 12241 | SN | 1 | 0.0 | 30.983 | 12.141 | 0.0 | 82.38 | 12.165 | 0.0 | 76.488 | 8.102 | 0.0 | 75.255 | 9.264 | 0.0 | 1.505 | 0.0 | 0.0 | 1.818 | 0.0 | 0.0 | 1.964 | 0.0 | 0.0 | 2.285 | 0.0 |
| 147 | 12240 | 12241 | NS | 1 | 0.0 | 197.531 | 7.382 | 0.0 | 25.612 | 8.575 | 0.0 | 352.621 | 4.705 | 0.0 | 118.622 | 5.387 | 0.0 | 1.441 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.196 | 0.0 |
| 148 | 12240 | 12241 | SN | 1 | 0.0 | 23.141 | 4.913 | 0.0 | 125.723 | 5.826 | 0.0 | 73.394 | 1.398 | 0.0 | 73.741 | 1.934 | 0.0 | 1.535 | 0.0 | 0.0 | 1.793 | 0.0 | 0.0 | 1.963 | 0.0 | 0.0 | 2.274 | 0.0 |
| 149 | 12240 | 12241 | SN | 1 | 0.0 | 23.141 | 4.931 | 0.0 | 125.723 | 6.039 | 0.0 | 73.394 | 1.4 | 0.0 | 73.741 | 2.219 | 0.0 | 1.535 | 0.0 | 0.0 | 1.793 | 0.0 | 0.0 | 1.963 | 0.0 | 0.0 | 2.274 | 0.0 |
| 150 | 12240 | 12241 | SN | 1 | 0.0 | 30.983 | 12.133 | 0.0 | 82.38 | 12.613 | 0.0 | 76.488 | 8.007 | 0.0 | 75.255 | 10.199 | 0.0 | 1.505 | 0.0 | 0.0 | 1.818 | 0.0 | 0.0 | 1.964 | 0.0 | 0.0 | 2.285 | 0.0 |
| 151 | 12241 | 12242 | NS | 1 | 0.0 | 53.008 | 7.396 | 0.0 | 25.606 | 8.637 | 0.0 | 351.0 | 4.695 | 0.0 | 117.469 | 5.385 | 0.0 | 1.442 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.914 | 0.0 | 0.0 | 2.196 | 0.0 |
| 152 | 12241 | 12242 | SN | 1 | 0.0 | 31.06 | 12.172 | 0.0 | 26.003 | 12.6 | 0.0 | 73.333 | 7.961 | 0.0 | 68.744 | 10.026 | 0.0 | 1.414 | 0.0 | 0.0 | 1.864 | 0.0 | 0.0 | 2.015 | 0.0 | 0.0 | 2.315 | 0.0 |
| 153 | 12241 | 12242 | SN | 1 | 0.0 | 31.06 | 12.172 | 0.0 | 25.976 | 12.6 | 0.0 | 73.333 | 7.961 | 0.0 | 68.728 | 10.034 | 0.0 | 1.414 | 0.0 | 0.0 | 1.864 | 0.0 | 0.0 | 2.015 | 0.0 | 0.0 | 2.315 | 0.0 |
| 154 | 12241 | 12242 | NS | 1 | 0.0 | 119.334 | 7.4 | 0.0 | 25.606 | 8.642 | 0.0 | 351.0 | 4.695 | 0.0 | 117.425 | 5.391 | 0.0 | 1.441 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 1.912 | 0.0 | 0.0 | 2.195 | 0.0 |
| 155 | 12241 | 12242 | NS | 1 | 0.0 | 46.301 | 10.624 | 0.0 | 31.551 | 15.249 | 0.0 | 226.884 | 12.757 | 0.0 | 71.651 | 13.964 | 0.0 | 1.395 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.89 | 0.0 | 0.0 | 2.194 | 0.0 |
| 156 | 12241 | 12242 | NS | 1 | 0.0 | 159.298 | 10.624 | 0.0 | 31.551 | 15.198 | 0.0 | 208.795 | 12.764 | 0.0 | 71.618 | 13.964 | 0.0 | 1.414 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.889 | 0.0 | 0.0 | 2.191 | 0.0 |
| 157 | 12241 | 12242 | SN | 1 | 0.0 | 23.124 | 4.903 | 0.0 | 25.854 | 5.774 | 0.0 | 59.623 | 1.374 | 0.0 | 13.297 | 1.927 | 0.0 | 1.564 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 2.016 | 0.0 | 0.0 | 2.31 | 0.0 |
| 158 | 12241 | 12242 | SN | 1 | 0.0 | 23.124 | 4.914 | 0.0 | 25.854 | 5.973 | 0.0 | 59.623 | 1.377 | 0.0 | 50.528 | 2.183 | 0.0 | 1.564 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 2.016 | 0.0 | 0.0 | 2.314 | 0.0 |
| 159 | 12241 | 12242 | SN | 1 | 0.0 | 23.124 | 4.914 | 0.0 | 25.854 | 5.973 | 0.0 | 59.623 | 1.379 | 0.0 | 50.545 | 2.185 | 0.0 | 1.564 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 2.016 | 0.0 | 0.0 | 2.314 | 0.0 |
| 160 | 12241 | 12242 | SN | 1 | 0.0 | 31.06 | 12.171 | 0.0 | 25.921 | 12.163 | 0.0 | 73.333 | 8.029 | 0.0 | 15.734 | 9.166 | 0.0 | 1.414 | 0.0 | 0.0 | 1.864 | 0.0 | 0.0 | 2.015 | 0.0 | 0.0 | 2.315 | 0.0 |
| 161 | 12242 | 12243 | NS | 1 | 0.0 | 211.442 | 10.491 | 0.0 | 31.551 | 15.275 | 0.0 | 355.147 | 12.741 | 0.0 | 64.277 | 14.027 | 0.0 | 1.422 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.911 | 0.0 | 0.0 | 2.193 | 0.0 |
| 162 | 12242 | 12243 | SN | 1 | 0.0 | 23.13 | 4.875 | 0.0 | 59.361 | 5.917 | 0.0 | 68.221 | 1.372 | 0.0 | 43.464 | 2.14 | 0.0 | 1.573 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.316 | 0.0 |
| 163 | 12242 | 12243 | SN | 1 | 0.0 | 23.124 | 4.867 | 0.0 | 162.403 | 5.917 | 0.0 | 68.21 | 1.371 | 0.0 | 89.078 | 2.148 | 0.0 | 1.561 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.018 | 0.0 | 0.0 | 2.307 | 0.0 |
| 164 | 12242 | 12243 | NS | 1 | 0.0 | 190.734 | 7.395 | 0.0 | 25.612 | 8.638 | 0.0 | 355.147 | 4.712 | 0.0 | 123.216 | 5.389 | 0.0 | 1.445 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 1.914 | 0.0 | 0.0 | 2.196 | 0.0 |
| 165 | 12242 | 12243 | NS | 1 | 0.0 | 56.079 | 7.409 | 0.0 | 25.606 | 8.642 | 0.0 | 355.152 | 4.712 | 0.0 | 130.739 | 5.394 | 0.0 | 1.438 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.196 | 0.0 |
| 166 | 12242 | 12243 | SN | 1 | 0.0 | 23.124 | 4.832 | 0.0 | 162.403 | 5.634 | 0.0 | 68.21 | 1.366 | 0.0 | 89.078 | 1.756 | 0.0 | 1.574 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.315 | 0.0 |
| 167 | 12242 | 12243 | SN | 1 | 0.0 | 30.878 | 12.174 | 0.0 | 155.267 | 12.625 | 0.0 | 78.545 | 7.915 | 0.0 | 61.884 | 10.024 | 0.0 | 1.493 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.019 | 0.0 | 0.0 | 2.319 | 0.0 |
| 168 | 12242 | 12243 | SN | 1 | 0.0 | 30.873 | 12.173 | 0.0 | 195.057 | 12.634 | 0.0 | 78.561 | 7.894 | 0.0 | 61.884 | 9.945 | 0.0 | 1.491 | 0.0 | 0.0 | 1.87 | 0.0 | 0.0 | 2.018 | 0.0 | 0.0 | 2.32 | 0.0 |
| 169 | 12242 | 12243 | NS | 1 | 0.0 | 91.392 | 10.512 | 0.0 | 31.551 | 15.285 | 0.0 | 355.152 | 12.756 | 0.0 | 64.299 | 13.991 | 0.0 | 1.423 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.912 | 0.0 | 0.0 | 2.191 | 0.0 |
| 170 | 12242 | 12243 | SN | 1 | 0.0 | 30.873 | 12.173 | 0.0 | 195.057 | 12.634 | 0.0 | 78.561 | 7.894 | 0.0 | 61.862 | 9.931 | 0.0 | 1.491 | 0.0 | 0.0 | 1.87 | 0.0 | 0.0 | 2.018 | 0.0 | 0.0 | 2.32 | 0.0 |
| 171 | 12242 | 12243 | SN | 1 | 0.0 | 30.878 | 12.18 | 0.0 | 155.267 | 11.844 | 0.0 | 78.545 | 8.001 | 0.0 | 25.841 | 8.582 | 0.0 | 1.492 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.018 | 0.0 | 0.0 | 2.314 | 0.0 |
| 172 | 12243 | 12244 | NS | 1 | 0.0 | 25.457 | 7.408 | 0.0 | 25.595 | 8.646 | 0.0 | 262.076 | 4.688 | 0.0 | 123.332 | 5.356 | 0.0 | 1.447 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.195 | 0.0 |
| 173 | 12243 | 12244 | SN | 1 | 0.0 | 23.124 | 4.908 | 0.0 | 127.863 | 5.954 | 0.0 | 133.22 | 1.35 | 0.0 | 258.303 | 2.168 | 0.0 | 1.521 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 1.987 | 0.0 | 0.0 | 2.275 | 0.0 |
| 174 | 12243 | 12244 | SN | 1 | 0.0 | 30.95 | 12.21 | 0.0 | 58.208 | 12.633 | 0.0 | 81.909 | 7.881 | 0.0 | 176.047 | 10.076 | 0.0 | 1.494 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 1.984 | 0.0 | 0.0 | 2.283 | 0.0 |
| 175 | 12243 | 12244 | SN | 1 | 0.0 | 30.95 | 12.21 | 0.0 | 58.208 | 12.633 | 0.0 | 81.909 | 7.881 | 0.0 | 176.047 | 10.076 | 0.0 | 1.494 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 1.984 | 0.0 | 0.0 | 2.283 | 0.0 |
| 176 | 12243 | 12244 | NS | 1 | 0.0 | 25.722 | 10.541 | 0.0 | 31.276 | 15.228 | 0.0 | 357.64 | 12.756 | 0.0 | 73.84 | 14.01 | 0.0 | 1.422 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 1.91 | 0.0 | 0.0 | 2.194 | 0.0 |
| 177 | 12243 | 12244 | NS | 1 | 0.0 | 25.727 | 10.531 | 0.0 | 31.276 | 15.218 | 0.0 | 357.64 | 12.776 | 0.0 | 73.802 | 13.967 | 0.0 | 1.421 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.194 | 0.0 |
| 178 | 12243 | 12244 | NS | 1 | 0.0 | 25.457 | 7.403 | 0.0 | 25.595 | 8.646 | 0.0 | 262.065 | 4.688 | 0.0 | 123.277 | 5.363 | 0.0 | 1.446 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.195 | 0.0 |
| 179 | 12243 | 12244 | SN | 1 | 0.0 | 23.124 | 4.908 | 0.0 | 127.863 | 5.954 | 0.0 | 133.215 | 1.35 | 0.0 | 258.303 | 2.168 | 0.0 | 1.521 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 1.987 | 0.0 | 0.0 | 2.275 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 180 | 12244 | 12245 | SN | 1 | 0.0 | 30.829 | 12.179 | 0.0 | 26.136 | 12.624 | 0.0 | 82.355 | 7.855 | 0.0 | 62.998 | 10.157 | 0.0 | 1.476 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 1.981 | 0.0 | 0.0 | 2.286 | 0.0 |
| 181 | 12244 | 12245 | SN | 1 | 0.0 | 23.135 | 4.865 | 0.0 | 25.849 | 5.948 | 0.0 | 75.429 | 1.374 | 0.0 | 49.095 | 2.246 | 0.0 | 1.534 | 0.0 | 0.0 | 1.805 | 0.0 | 0.0 | 1.987 | 0.0 | 0.0 | 2.289 | 0.0 |
| 182 | 12244 | 12245 | NS | 1 | 0.0 | 267.072 | 7.37 | 0.0 | 25.595 | 8.61 | 0.0 | 248.161 | 4.635 | 0.0 | 119.323 | 5.336 | 0.0 | 1.445 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.195 | 0.0 |
| 183 | 12244 | 12245 | NS | 1 | 0.0 | 150.044 | 10.525 | 0.0 | 31.518 | 15.112 | 0.0 | 357.728 | 12.699 | 0.0 | 145.05 | 13.896 | 0.0 | 1.419 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 1.902 | 0.0 | 0.0 | 2.195 | 0.0 |
| 184 | 12244 | 12245 | NS | 1 | 0.0 | 150.044 | 10.525 | 0.0 | 31.518 | 15.112 | 0.0 | 357.728 | 12.699 | 0.0 | 145.05 | 13.896 | 0.0 | 1.419 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 1.902 | 0.0 | 0.0 | 2.195 | 0.0 |
| 185 | 12245 | 12246 | SN | 1 | 0.0 | 30.912 | 12.189 | 0.0 | 25.959 | 12.634 | 0.0 | 79.245 | 7.871 | 0.0 | 68.634 | 10.17 | 0.0 | 1.487 | 0.0 | 0.0 | 1.865 | 0.0 | 0.0 | 2.015 | 0.0 | 0.0 | 2.3 | 0.0 |
| 186 | 12245 | 12246 | NS | 1 | 0.0 | 258.789 | 7.396 | 0.0 | 25.595 | 8.585 | 0.0 | 238.808 | 4.662 | 0.0 | 17.019 | 5.29 | 0.0 | 1.448 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 1.914 | 0.0 | 0.0 | 2.195 | 0.0 |
| 187 | 12245 | 12246 | NS | 1 | 0.0 | 258.789 | 7.355 | 0.0 | 25.595 | 8.567 | 0.0 | 238.808 | 4.627 | 0.0 | 115.252 | 5.315 | 0.0 | 1.448 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 1.914 | 0.0 | 0.0 | 2.195 | 0.0 |
| 188 | 12245 | 12246 | NS | 1 | 0.0 | 121.297 | 10.6 | 0.0 | 30.261 | 15.074 | 0.0 | 261.579 | 12.81 | 0.0 | 26.058 | 13.946 | 0.0 | 1.416 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.893 | 0.0 | 0.0 | 2.193 | 0.0 |
| 189 | 12245 | 12246 | NS | 1 | 0.0 | 121.297 | 10.597 | 0.0 | 31.612 | 15.177 | 0.0 | 261.579 | 12.713 | 0.0 | 132.619 | 14.009 | 0.0 | 1.416 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.893 | 0.0 | 0.0 | 2.193 | 0.0 |
| 190 | 12245 | 12246 | SN | 1 | 0.0 | 23.141 | 4.886 | 0.0 | 25.854 | 5.931 | 0.0 | 57.963 | 1.374 | 0.0 | 50.694 | 2.257 | 0.0 | 1.548 | 0.0 | 0.0 | 1.817 | 0.0 | 0.0 | 2.007 | 0.0 | 0.0 | 2.302 | 0.0 |
| 191 | 12246 | 12247 | SN | 1 | 0.0 | 30.884 | 12.22 | 0.0 | 29.778 | 12.688 | 0.0 | 91.174 | 7.938 | 0.0 | 211.338 | 10.247 | 0.0 | 1.441 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.009 | 0.0 | 0.0 | 2.314 | 0.0 |
| 192 | 12246 | 12247 | NS | 1 | 0.0 | 94.604 | 7.423 | 0.0 | 25.601 | 8.638 | 0.0 | 356.382 | 4.738 | 0.0 | 111.238 | 5.372 | 0.0 | 1.45 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.196 | 0.0 |
| 193 | 12246 | 12247 | NS | 1 | 0.0 | 170.234 | 10.634 | 0.0 | 31.612 | 15.272 | 0.0 | 352.847 | 12.752 | 0.0 | 60.439 | 14.093 | 0.0 | 1.416 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 1.894 | 0.0 | 0.0 | 2.197 | 0.0 |
| 194 | 12246 | 12247 | NS | 1 | 0.0 | 170.234 | 10.726 | 0.0 | 28.766 | 14.822 | 0.0 | 352.847 | 13.328 | 0.0 | 16.705 | 13.752 | 0.0 | 1.416 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 1.894 | 0.0 | 0.0 | 2.197 | 0.0 |
| 195 | 12246 | 12247 | NS | 1 | 0.0 | 94.604 | 7.665 | 0.0 | 25.601 | 8.76 | 0.0 | 356.382 | 4.953 | 0.0 | 16.705 | 5.477 | 0.0 | 1.45 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.196 | 0.0 |
| 196 | 12246 | 12247 | SN | 1 | 0.0 | 23.13 | 4.905 | 0.0 | 45.43 | 5.93 | 0.0 | 75.533 | 1.421 | 0.0 | 49.028 | 2.308 | 0.0 | 1.563 | 0.0 | 0.0 | 1.821 | 0.0 | 0.0 | 2.021 | 0.0 | 0.0 | 2.314 | 0.0 |
| 197 | 12247 | 12248 | SN | 1 | 0.0 | 31.033 | 12.241 | 0.0 | 25.965 | 12.659 | 0.0 | 86.779 | 8.002 | 0.0 | 76.375 | 10.254 | 0.0 | 1.578 | 0.0 | 0.0 | 1.869 | 0.0 | 0.0 | 2.03 | 0.0 | 0.0 | 2.348 | 0.0 |
| 198 | 12247 | 12248 | NS | 1 | 0.0 | 25.512 | 7.896 | 0.0 | 25.606 | 8.895 | 0.0 | 278.979 | 5.141 | 0.0 | 16.716 | 5.617 | 0.0 | 1.442 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.197 | 0.0 |
| 199 | 12247 | 12248 | NS | 1 | 0.0 | 25.512 | 7.438 | 0.0 | 25.606 | 8.656 | 0.0 | 278.979 | 4.779 | 0.0 | 125.262 | 5.358 | 0.0 | 1.442 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.197 | 0.0 |
| 200 | 12247 | 12248 | NS | 1 | 0.0 | 120.715 | 10.678 | 0.0 | 28.772 | 14.806 | 0.0 | 175.705 | 13.686 | 0.0 | 16.721 | 13.793 | 0.0 | 1.416 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.192 | 0.0 |
| 201 | 12248 | 12249 | SN | 1 | 0.0 | 23.13 | 4.861 | 0.0 | 25.849 | 5.621 | 0.0 | 67.779 | 1.441 | 0.0 | 12.354 | 1.921 | 0.0 | 1.529 | 0.0 | 0.0 | 1.74 | 0.0 | 0.0 | 1.978 | 0.0 | 0.0 | 2.09 | 0.0 |
| 202 | 12248 | 12249 | NS | 1 | 0.0 | 60.21 | 7.431 | 0.0 | 25.612 | 8.656 | 0.0 | 355.163 | 4.82 | 0.0 | 157.553 | 5.364 | 0.0 | 1.435 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.92 | 0.0 | 0.0 | 2.196 | 0.0 |
| 203 | 12248 | 12249 | SN | 1 | 0.0 | 30.856 | 12.253 | 0.0 | 25.584 | 11.926 | 0.0 | 78.054 | 8.207 | 0.0 | 14.168 | 8.908 | 0.0 | 1.363 | 0.0 | 0.0 | 1.741 | 0.0 | 0.0 | 1.964 | 0.0 | 0.0 | 2.095 | 0.0 |
| 204 | 12248 | 12249 | NS | 1 | 0.0 | 25.937 | 10.459 | 0.0 | 35.131 | 15.24 | 0.0 | 355.163 | 12.699 | 0.0 | 72.506 | 14.077 | 0.0 | 1.417 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 1.912 | 0.0 | 0.0 | 2.192 | 0.0 |
| 205 | 12248 | 12249 | SN | 1 | 0.0 | 30.856 | 12.217 | 0.0 | 25.959 | 12.78 | 0.0 | 78.054 | 8.043 | 0.0 | 62.193 | 10.316 | 0.0 | 1.52 | 0.0 | 0.0 | 1.883 | 0.0 | 0.0 | 2.015 | 0.0 | 0.0 | 2.326 | 0.0 |
| 206 | 12248 | 12249 | NS | 1 | 0.0 | 25.653 | 8.198 | 0.0 | 25.612 | 9.208 | 0.0 | 355.163 | 5.487 | 0.0 | 16.71 | 5.958 | 0.0 | 1.435 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.92 | 0.0 | 0.0 | 2.196 | 0.0 |
| 207 | 12248 | 12249 | SN | 1 | 0.0 | 23.13 | 4.904 | 0.0 | 25.849 | 5.902 | 0.0 | 67.779 | 1.447 | 0.0 | 43.326 | 2.299 | 0.0 | 1.557 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.037 | 0.0 | 0.0 | 2.327 | 0.0 |
| 208 | 12249 | 12250 | NS | 1 | 0.0 | 120.268 | 7.383 | 0.0 | 25.612 | 8.611 | 0.0 | 138.633 | 4.779 | 0.0 | 94.687 | 5.355 | 0.0 | 1.441 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.197 | 0.0 |
| 209 | 12249 | 12250 | NS | 1 | 0.0 | 272.306 | 10.567 | 0.0 | 31.347 | 15.208 | 0.0 | 355.478 | 12.733 | 0.0 | 75.401 | 13.955 | 0.0 | 1.405 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.196 | 0.0 |

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