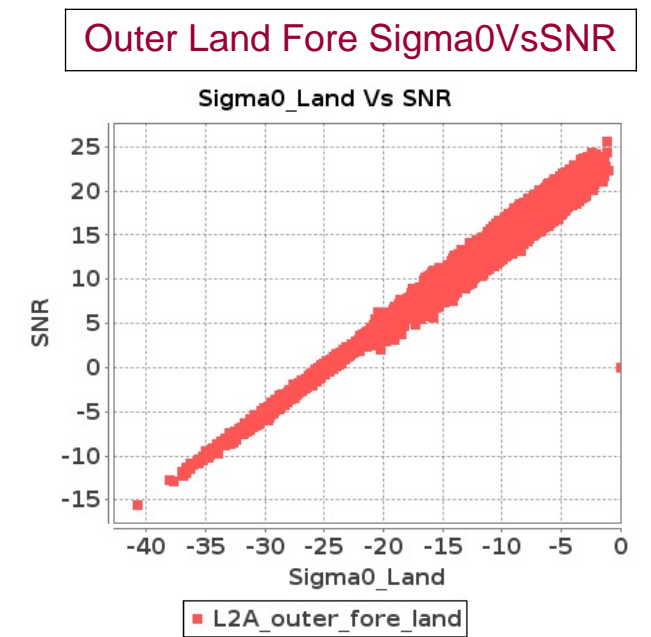
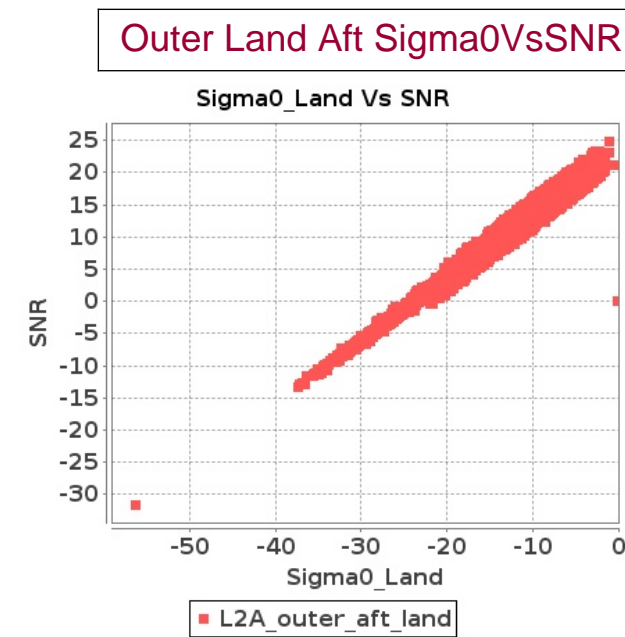
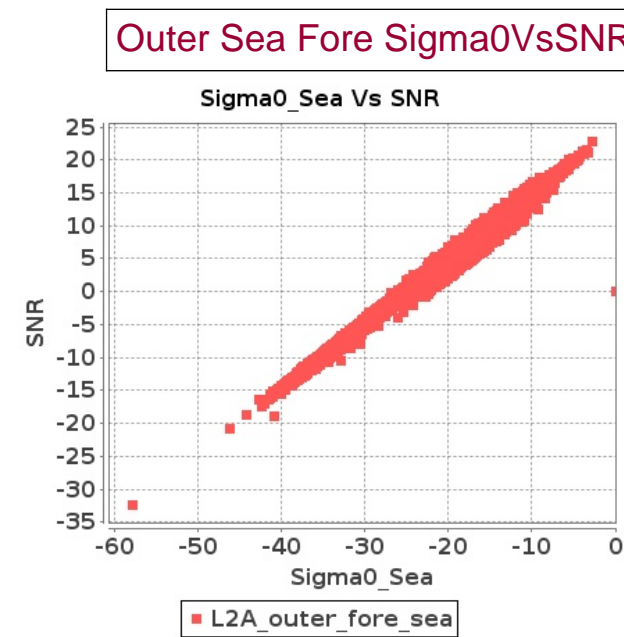
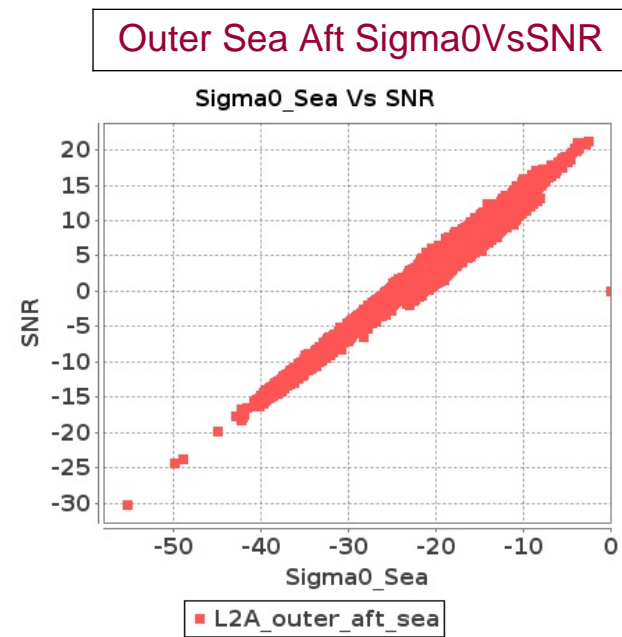
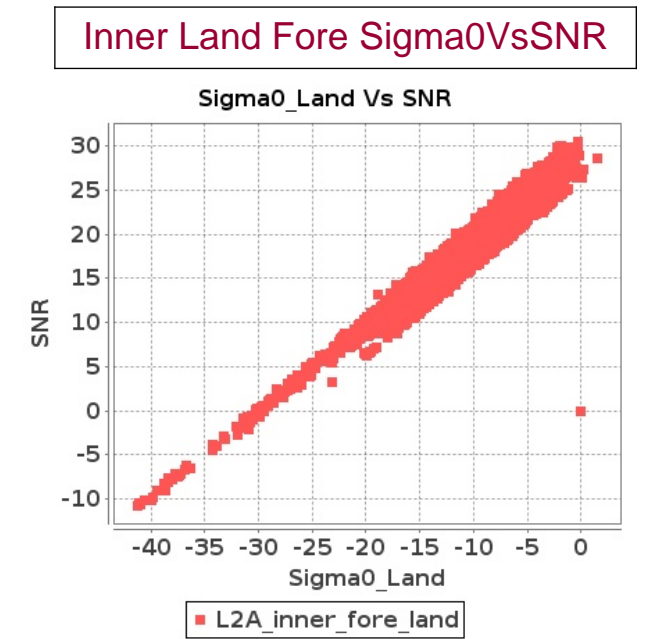
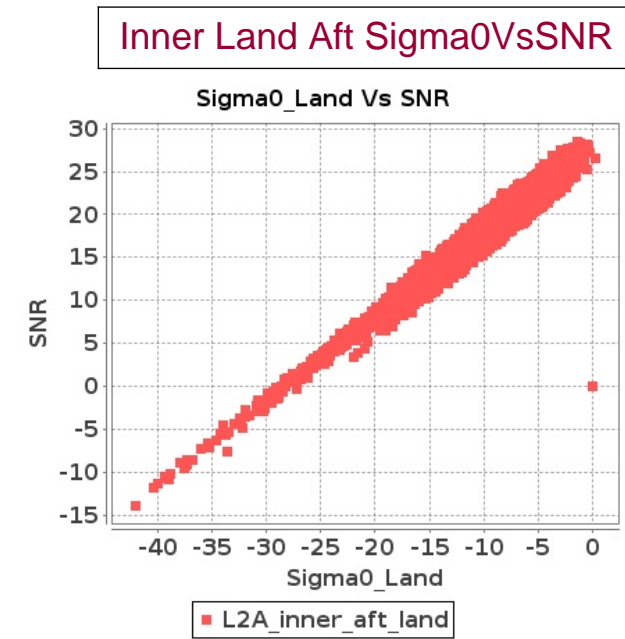
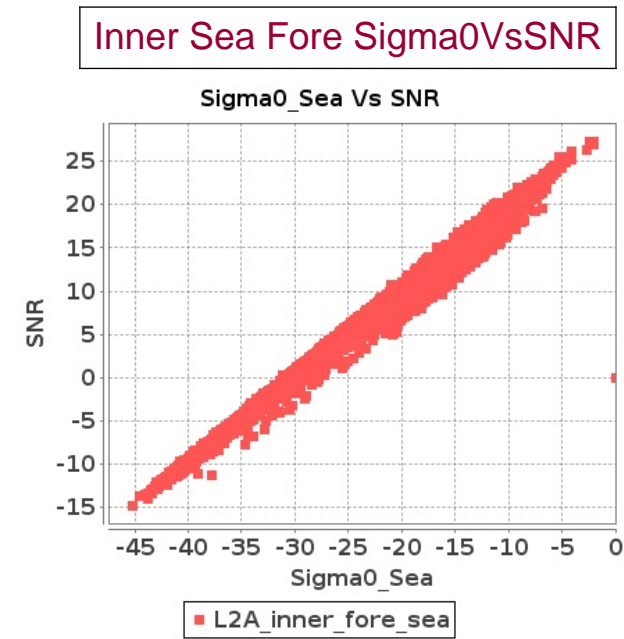
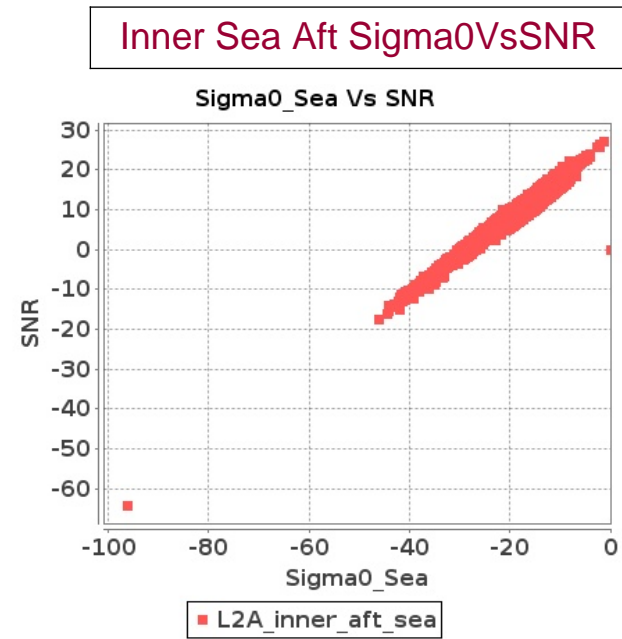


SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 16-MAY-2017 To 17-MAY-2017



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

Report between 16-MAY-2017 To 17-MAY-2017

| 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 | 3361 | 3362 | SN | 1 | 0.0 | 46.911 | 1.709 | 0.0 | 41.404 | 1.626 | 0.0 | 41.039 | 1.277 | 0.0 | 43.331 | 1.18 | 0.0 | 45.419 | 1.49 | 0.0 | 42.218 | 1.447 | 0.0 | 41.343 | 1.105 | 0.0 | 44.692 | 1.008 |
| 2 | 3361 | 3362 | SN | 1 | 0.0 | 44.482 | 5.896 | 0.0 | 51.261 | 5.329 | 0.0 | 44.158 | 4.201 | 0.0 | 47.391 | 3.615 | 0.0 | 47.572 | 5.42 | 0.0 | 48.032 | 4.835 | 0.0 | 47.246 | 3.846 | 0.0 | 49.878 | 3.348 |
| 3 | 3361 | 3362 | SN | 1 | 0.0 | 44.482 | 6.152 | 0.0 | 51.261 | 5.557 | 0.0 | 44.158 | 4.336 | 0.0 | 47.391 | 3.754 | 0.0 | 47.572 | 5.702 | 0.0 | 48.032 | 5.052 | 0.0 | 47.246 | 4.02 | 0.0 | 49.878 | 3.483 |
| 4 | 3361 | 3362 | SN | 1 | 0.0 | 46.911 | 1.802 | 0.0 | 41.404 | 1.695 | 0.0 | 41.039 | 1.336 | 0.0 | 43.331 | 1.235 | 0.0 | 45.419 | 1.577 | 0.0 | 42.218 | 1.508 | 0.0 | 41.343 | 1.155 | 0.0 | 44.692 | 1.054 |
| 5 | 3362 | 3363 | NS | 1 | 0.0 | 50.257 | 7.81 | 0.0 | 50.633 | 6.126 | 0.0 | 53.458 | 5.172 | 0.0 | 51.415 | 4.772 | 0.0 | 46.702 | 6.989 | 0.0 | 50.365 | 5.68 | 0.0 | 51.635 | 4.582 | 0.0 | 50.31 | 4.438 |
| 6 | 3362 | 3363 | SN | 1 | 0.0 | 49.243 | 6.717 | 0.0 | 49.558 | 5.308 | 0.0 | 47.386 | 4.919 | 0.0 | 43.55 | 4.971 | 0.0 | 50.017 | 6.433 | 0.0 | 51.837 | 5.174 | 0.0 | 46.953 | 4.869 | 0.0 | 42.835 | 4.813 |
| 7 | 3362 | 3363 | SN | 1 | 0.0 | 49.243 | 6.714 | 0.0 | 49.558 | 5.252 | 0.0 | 47.386 | 4.919 | 0.0 | 43.55 | 4.921 | 0.0 | 50.017 | 6.43 | 0.0 | 51.837 | 5.12 | 0.0 | 46.953 | 4.869 | 0.0 | 42.835 | 4.764 |
| 8 | 3362 | 3363 | SN | 1 | 0.0 | 49.416 | 2.305 | 0.0 | 42.505 | 1.944 | 0.0 | 43.918 | 1.541 | 0.0 | 42.94 | 1.442 | 0.0 | 46.712 | 2.158 | 0.0 | 43.675 | 1.908 | 0.0 | 43.989 | 1.499 | 0.0 | 42.165 | 1.384 |
| 9 | 3362 | 3363 | SN | 1 | 0.0 | 49.416 | 2.305 | 0.0 | 42.505 | 1.966 | 0.0 | 43.918 | 1.541 | 0.0 | 42.94 | 1.459 | 0.0 | 46.712 | 2.158 | 0.0 | 43.675 | 1.93 | 0.0 | 43.989 | 1.499 | 0.0 | 42.165 | 1.4 |
| 10 | 3362 | 3363 | NS | 1 | 0.0 | 49.136 | 2.462 | 0.0 | 52.613 | 1.966 | 0.0 | 48.099 | 1.633 | 0.0 | 44.626 | 1.575 | 0.0 | 44.683 | 2.105 | 0.0 | 49.962 | 1.763 | 0.0 | 43.88 | 1.379 | 0.0 | 41.34 | 1.369 |
| 11 | 3362 | 3363 | SN | 1 | 0.0 | 49.243 | 6.845 | 0.0 | 49.558 | 5.335 | 0.0 | 47.386 | 5.015 | 0.0 | 43.55 | 5.011 | 0.0 | 50.017 | 6.556 | 0.0 | 51.837 | 5.2 | 0.0 | 46.953 | 4.964 | 0.0 | 42.835 | 4.851 |
| 12 | 3362 | 3363 | SN | 1 | 0.0 | 49.416 | 2.35 | 0.0 | 42.505 | 1.982 | 0.0 | 43.918 | 1.571 | 0.0 | 42.94 | 1.465 | 0.0 | 46.712 | 2.2 | 0.0 | 43.675 | 1.945 | 0.0 | 43.989 | 1.528 | 0.0 | 42.165 | 1.409 |
| 13 | 3363 | 3364 | SN | 1 | 0.0 | 47.395 | 3.72 | 0.0 | 43.107 | 2.679 | 0.0 | 38.036 | 2.866 | 0.0 | 41.62 | 2.637 | 0.0 | 48.244 | 2.908 | 0.0 | 43.417 | 2.195 | 0.0 | 37.614 | 2.325 | 0.0 | 41.778 | 2.283 |
| 14 | 3363 | 3364 | SN | 1 | 0.0 | 47.395 | 3.717 | 0.0 | 43.107 | 2.679 | 0.0 | 38.036 | 2.862 | 0.0 | 41.62 | 2.637 | 0.0 | 48.244 | 2.906 | 0.0 | 43.417 | 2.195 | 0.0 | 37.614 | 2.322 | 0.0 | 41.778 | 2.283 |
| 15 | 3363 | 3364 | NS | 1 | 0.0 | 45.647 | 4.65 | 0.0 | 45.794 | 2.953 | 0.0 | 41.73 | 2.954 | 0.0 | 41.729 | 3.03 | 0.0 | 47.184 | 3.839 | 0.0 | 41.701 | 2.364 | 0.0 | 39.228 | 2.407 | 0.0 | 39.361 | 2.411 |
| 16 | 3363 | 3364 | SN | 1 | 0.0 | 50.073 | 1.293 | 0.0 | 44.86 | 0.956 | 0.0 | 39.662 | 0.983 | 0.0 | 40.521 | 0.973 | 0.0 | 51.65 | 0.88 | 0.0 | 45.44 | 0.727 | 0.0 | 40.211 | 0.823 | 0.0 | 36.282 | 0.782 |
| 17 | 3363 | 3364 | SN | 1 | 0.0 | 47.395 | 3.666 | 0.0 | 43.107 | 2.664 | 0.0 | 38.036 | 2.822 | 0.0 | 41.62 | 2.634 | 0.0 | 48.244 | 2.866 | 0.0 | 43.417 | 2.191 | 0.0 | 37.614 | 2.289 | 0.0 | 41.778 | 2.28 |
| 18 | 3363 | 3364 | NS | 1 | 0.0 | 44.606 | 1.552 | 0.0 | 41.088 | 1.024 | 0.0 | 37.345 | 0.899 | 0.0 | 37.683 | 0.948 | 0.0 | 44.514 | 1.243 | 0.0 | 38.35 | 0.784 | 0.0 | 36.916 | 0.706 | 0.0 | 36.374 | 0.746 |
| 19 | 3363 | 3364 | SN | 1 | 0.0 | 50.073 | 1.291 | 0.0 | 44.86 | 0.956 | 0.0 | 39.662 | 0.982 | 0.0 | 40.521 | 0.973 | 0.0 | 51.65 | 0.879 | 0.0 | 45.44 | 0.727 | 0.0 | 40.211 | 0.822 | 0.0 | 36.282 | 0.782 |
| 20 | 3363 | 3364 | NS | 1 | 0.0 | 43.528 | 4.862 | 0.0 | 45.542 | 2.972 | 0.0 | 38.5 | 2.714 | 0.0 | 36.84 | 3.058 | 0.0 | 42.958 | 3.91 | 0.0 | 45.029 | 2.323 | 0.0 | 39.911 | 2.366 | 0.0 | 38.271 | 2.383 |
| 21 | 3363 | 3364 | NS | 1 | 0.0 | 43.599 | 1.586 | 0.0 | 41.964 | 0.97 | 0.0 | 39.006 | 0.932 | 0.0 | 40.157 | 0.957 | 0.0 | 46.265 | 1.236 | 0.0 | 41.979 | 0.757 | 0.0 | 38.809 | 0.746 | 0.0 | 37.322 | 0.755 |
| 22 | 3363 | 3364 | SN | 1 | 0.0 | 50.073 | 1.276 | 0.0 | 44.86 | 0.953 | 0.0 | 38.463 | 0.97 | 0.0 | 40.521 | 0.97 | 0.0 | 51.65 | 0.869 | 0.0 | 45.44 | 0.725 | 0.0 | 39.013 | 0.812 | 0.0 | 36.282 | 0.78 |
| 23 | 3364 | 3365 | NS | 1 | 0.0 | 42.615 | 1.751 | 0.0 | 40.251 | 1.123 | 0.0 | 36.88 | 1.227 | 0.0 | 39.411 | 1.099 | 0.0 | 43.126 | 1.37 | 0.0 | 39.91 | 0.848 | 0.0 | 36.289 | 0.963 | 0.0 | 36.711 | 0.856 |
| 24 | 3364 | 3365 | SN | 1 | 0.0 | 43.065 | 1.739 | 0.0 | 44.711 | 1.229 | 0.0 | 39.233 | 1.196 | 0.0 | 40.261 | 1.098 | 0.0 | 39.607 | 1.368 | 0.0 | 41.123 | 1.141 | 0.0 | 36.078 | 0.976 | 0.0 | 38.651 | 0.982 |
| 25 | 3364 | 3365 | SN | 1 | 0.0 | 46.665 | 5.061 | 0.0 | 46.526 | 3.79 | 0.0 | 40.909 | 3.395 | 0.0 | 46.698 | 3.233 | 0.0 | 45.23 | 4.214 | 0.0 | 47.76 | 3.376 | 0.0 | 42.958 | 2.988 | 0.0 | 47.06 | 2.957 |
| 26 | 3364 | 3365 | SN | 1 | 0.0 | 46.665 | 4.961 | 0.0 | 46.526 | 3.765 | 0.0 | 40.909 | 3.333 | 0.0 | 46.698 | 3.204 | 0.0 | 45.23 | 4.131 | 0.0 | 47.76 | 3.344 | 0.0 | 42.958 | 2.935 | 0.0 | 47.06 | 2.93 |
| 27 | 3364 | 3365 | SN | 1 | 0.0 | 46.665 | 4.959 | 0.0 | 46.526 | 3.725 | 0.0 | 40.909 | 3.333 | 0.0 | 46.698 | 3.167 | 0.0 | 45.23 | 4.129 | 0.0 | 47.76 | 3.309 | 0.0 | 42.958 | 2.928 | 0.0 | 47.06 | 2.896 |
| 28 | 3364 | 3365 | NS | 1 | 0.0 | 47.287 | 4.954 | 0.0 | 41.729 | 2.973 | 0.0 | 42.519 | 3.545 | 0.0 | 41.231 | 3.158 | 0.0 | 46.852 | 3.951 | 0.0 | 42.04 | 2.374 | 0.0 | 39.79 | 2.927 | 0.0 | 36.966 | 2.61 |
| 29 | 3364 | 3365 | NS | 1 | 0.0 | 47.287 | 4.954 | 0.0 | 41.729 | 2.973 | 0.0 | 42.519 | 3.545 | 0.0 | 41.231 | 3.158 | 0.0 | 46.852 | 3.951 | 0.0 | 42.04 | 2.374 | 0.0 | 39.79 | 2.927 | 0.0 | 36.966 | 2.61 |
| 30 | 3364 | 3365 | SN | 1 | 0.0 | 43.065 | 1.704 | 0.0 | 44.711 | 1.219 | 0.0 | 39.233 | 1.175 | 0.0 | 40.261 | 1.089 | 0.0 | 39.607 | 1.34 | 0.0 | 41.123 | 1.132 | 0.0 | 36.078 | 0.957 | 0.0 | 38.651 | 0.972 |
| 31 | 3364 | 3365 | SN | 1 | 0.0 | 43.065 | 1.704 | 0.0 | 44.711 | 1.205 | 0.0 | 39.233 | 1.175 | 0.0 | 40.261 | 1.077 | 0.0 | 39.607 | 1.34 | 0.0 | 41.123 | 1.12 | 0.0 | 36.078 | 0.957 | 0.0 | 38.651 | 0.961 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|--------|-------|-----|--------|-------|-----|--------|--------|-----|--------|--------|-----|--------|-------|-----|--------|-------|
| 32 | 3364 | 3365 | NS | 1 | 0.0 | 42.615 | 1.751 | 0.0 | 40.251 | 1.123 | 0.0 | 36.88 | 1.227 | 0.0 | 39.411 | 1.099 | 0.0 | 43.126 | 1.37 | 0.0 | 39.91 | 0.848 | 0.0 | 36.289 | 0.963 | 0.0 | 36.711 | 0.856 |
| 33 | 3365 | 3366 | SN | 1 | 0.0 | 38.169 | 1.447 | 0.0 | 43.663 | 1.341 | 0.0 | 39.037 | 1.227 | 0.0 | 39.954 | 1.123 | 0.0 | 36.513 | 1.275 | 0.0 | 43.521 | 1.205 | 0.0 | 37.219 | 1.114 | 0.0 | 38.745 | 1.009 |
| 34 | 3365 | 3366 | NS | 1 | 0.0 | 46.384 | 1.268 | 0.0 | 54.55 | 1.128 | 0.0 | 37.145 | 0.898 | 0.0 | 41.455 | 0.865 | 0.0 | 46.217 | 1.056 | 0.0 | 56.557 | 1.008 | 0.0 | 37.745 | 0.78 | 0.0 | 42.17 | 0.755 |
| 35 | 3365 | 3366 | SN | 1 | 0.0 | 43.09 | 4.235 | 0.0 | 44.622 | 3.704 | 0.0 | 47.66 | 3.781 | 0.0 | 41.328 | 3.443 | 0.0 | 44.048 | 3.871 | 0.0 | 43.681 | 3.642 | 0.0 | 47.702 | 3.589 | 0.0 | 37.958 | 3.06 |
| 36 | 3365 | 3366 | SN | 1 | 0.0 | 38.169 | 1.447 | 0.0 | 43.663 | 1.356 | 0.0 | 39.037 | 1.227 | 0.0 | 39.954 | 1.136 | 0.0 | 36.513 | 1.275 | 0.0 | 43.521 | 1.219 | 0.0 | 37.219 | 1.114 | 0.0 | 38.745 | 1.021 |
| 37 | 3365 | 3366 | NS | 1 | 0.0 | 44.67 | 1.277 | 0.0 | 53.72 | 1.166 | 0.0 | 44.37 | 0.911 | 0.0 | 49.639 | 0.927 | 0.0 | 43.508 | 1.099 | 0.0 | 49.741 | 1.026 | 0.0 | 43.1 | 0.76 | 0.0 | 47.67 | 0.778 |
| 38 | 3365 | 3366 | NS | 1 | 0.0 | 48.898 | 3.941 | 0.0 | 53.215 | 3.592 | 0.0 | 40.878 | 3.104 | 0.0 | 45.029 | 3.016 | 0.0 | 48.357 | 3.394 | 0.0 | 51.593 | 3.318 | 0.0 | 42.717 | 2.72 | 0.0 | 45.946 | 2.703 |
| 39 | 3365 | 3366 | NS | 1 | 0.0 | 47.368 | 4.011 | 0.0 | 54.628 | 3.521 | 0.0 | 46.945 | 2.989 | 0.0 | 51.425 | 3.137 | 0.0 | 52.481 | 3.484 | 0.0 | 52.807 | 3.115 | 0.0 | 44.467 | 2.74 | 0.0 | 50.451 | 2.732 |
| 40 | 3365 | 3366 | SN | 1 | 0.0 | 43.09 | 4.234 | 0.0 | 44.622 | 3.683 | 0.0 | 47.66 | 3.781 | 0.0 | 41.328 | 3.403 | 0.0 | 44.048 | 3.88 | 0.0 | 43.681 | 3.622 | 0.0 | 47.702 | 3.589 | 0.0 | 37.958 | 3.025 |
| 41 | 3365 | 3366 | SN | 1 | 0.0 | 43.09 | 4.234 | 0.0 | 44.622 | 3.684 | 0.0 | 47.66 | 3.781 | 0.0 | 41.328 | 3.403 | 0.0 | 44.048 | 3.88 | 0.0 | 43.681 | 3.623 | 0.0 | 47.702 | 3.589 | 0.0 | 37.958 | 3.025 |
| 42 | 3365 | 3366 | SN | 1 | 0.0 | 38.169 | 1.447 | 0.0 | 43.663 | 1.341 | 0.0 | 39.037 | 1.227 | 0.0 | 39.954 | 1.123 | 0.0 | 36.513 | 1.275 | 0.0 | 43.521 | 1.205 | 0.0 | 37.219 | 1.114 | 0.0 | 38.745 | 1.009 |
| 43 | 3366 | 3367 | SN | 1 | 0.0 | 42.227 | 1.961 | 0.0 | 41.095 | 1.989 | 0.0 | 42.77 | 1.401 | 0.0 | 37.371 | 1.588 | 0.0 | 40.117 | 1.686 | 0.0 | 41.422 | 1.752 | 0.0 | 39.429 | 1.195 | 0.0 | 37.604 | 1.369 |
| 44 | 3366 | 3367 | SN | 1 | 0.0 | 41.149 | 6.07 | 0.0 | 49.663 | 6.121 | 0.0 | 40.737 | 4.287 | 0.0 | 38.257 | 4.563 | 0.0 | 41.251 | 5.734 | 0.0 | 49.373 | 5.702 | 0.0 | 42.126 | 3.952 | 0.0 | 37.691 | 4.077 |
| 45 | 3366 | 3367 | NS | 1 | 0.0 | 54.131 | 6.33 | 0.0 | 48.925 | 5.804 | 0.0 | 50.016 | 4.352 | 0.0 | 43.164 | 4.823 | 0.0 | 50.355 | 5.702 | 0.0 | 49.726 | 5.216 | 0.0 | 48.027 | 3.982 | 0.0 | 42.362 | 4.026 |
| 46 | 3366 | 3367 | NS | 1 | 0.0 | 54.131 | 6.33 | 0.0 | 48.925 | 5.804 | 0.0 | 50.016 | 4.352 | 0.0 | 43.164 | 4.823 | 0.0 | 50.355 | 5.702 | 0.0 | 49.726 | 5.216 | 0.0 | 48.027 | 3.982 | 0.0 | 42.362 | 4.026 |
| 47 | 3366 | 3367 | NS | 1 | 0.0 | 46.362 | 2.124 | 0.0 | 50.647 | 1.759 | 0.0 | 48.0 | 1.428 | 0.0 | 43.652 | 1.492 | 0.0 | 45.681 | 1.764 | 0.0 | 48.352 | 1.483 | 0.0 | 43.906 | 1.249 | 0.0 | 42.757 | 1.242 |
| 48 | 3366 | 3367 | SN | 1 | 0.0 | 41.149 | 6.047 | 0.0 | 49.663 | 6.173 | 0.0 | 40.737 | 4.272 | 0.0 | 38.257 | 4.597 | 0.0 | 41.251 | 5.713 | 0.0 | 49.373 | 5.752 | 0.0 | 42.126 | 3.938 | 0.0 | 37.691 | 4.114 |
| 49 | 3366 | 3367 | SN | 1 | 0.0 | 42.227 | 1.969 | 0.0 | 41.095 | 1.975 | 0.0 | 42.77 | 1.406 | 0.0 | 37.371 | 1.577 | 0.0 | 40.117 | 1.693 | 0.0 | 41.422 | 1.739 | 0.0 | 39.429 | 1.2 | 0.0 | 37.604 | 1.359 |
| 50 | 3366 | 3367 | NS | 1 | 0.0 | 46.362 | 2.124 | 0.0 | 50.647 | 1.759 | 0.0 | 48.0 | 1.428 | 0.0 | 43.652 | 1.492 | 0.0 | 45.681 | 1.764 | 0.0 | 48.352 | 1.483 | 0.0 | 43.906 | 1.249 | 0.0 | 42.757 | 1.242 |
| 51 | 3367 | 3368 | NS | 1 | 0.0 | 50.573 | 6.455 | 0.0 | 52.162 | 5.672 | 0.0 | 41.026 | 4.932 | 0.0 | 47.515 | 5.051 | 0.0 | 51.325 | 6.171 | 0.0 | 54.853 | 5.378 | 0.0 | 44.103 | 4.563 | 0.0 | 50.507 | 4.695 |
| 52 | 3367 | 3368 | SN | 1 | 0.0 | 49.182 | 2.453 | 0.0 | 45.907 | 2.507 | 0.0 | 38.05 | 1.643 | 0.0 | 43.695 | 1.558 | 0.0 | 47.341 | 2.11 | 0.0 | 44.626 | 2.228 | 0.0 | 38.199 | 1.427 | 0.0 | 40.701 | 1.363 |
| 53 | 3367 | 3368 | SN | 1 | 0.0 | 52.423 | 8.353 | 0.0 | 50.236 | 8.043 | 0.0 | 46.959 | 5.533 | 0.0 | 48.874 | 5.19 | 0.0 | 50.423 | 7.776 | 0.0 | 53.342 | 7.606 | 0.0 | 45.725 | 5.022 | 0.0 | 46.663 | 4.699 |
| 54 | 3367 | 3368 | SN | 1 | 0.0 | 52.423 | 8.356 | 0.0 | 50.236 | 8.131 | 0.0 | 46.959 | 5.533 | 0.0 | 48.874 | 5.25 | 0.0 | 50.423 | 7.779 | 0.0 | 53.342 | 7.689 | 0.0 | 45.725 | 5.022 | 0.0 | 46.663 | 4.753 |
| 55 | 3367 | 3368 | SN | 1 | 0.0 | 52.423 | 8.898 | 0.0 | 50.236 | 8.487 | 0.0 | 46.959 | 5.874 | 0.0 | 48.874 | 5.522 | 0.0 | 50.423 | 8.294 | 0.0 | 53.342 | 8.042 | 0.0 | 45.725 | 5.351 | 0.0 | 46.663 | 5.005 |
| 56 | 3367 | 3368 | NS | 1 | 0.0 | 50.573 | 6.455 | 0.0 | 52.162 | 5.672 | 0.0 | 41.026 | 4.932 | 0.0 | 47.515 | 5.051 | 0.0 | 51.325 | 6.171 | 0.0 | 54.853 | 5.378 | 0.0 | 44.103 | 4.563 | 0.0 | 50.507 | 4.695 |
| 57 | 3367 | 3368 | SN | 1 | 0.0 | 49.182 | 2.453 | 0.0 | 45.907 | 2.482 | 0.0 | 38.05 | 1.643 | 0.0 | 43.695 | 1.541 | 0.0 | 47.341 | 2.11 | 0.0 | 44.626 | 2.206 | 0.0 | 38.199 | 1.427 | 0.0 | 40.701 | 1.347 |
| 58 | 3367 | 3368 | NS | 1 | 0.0 | 47.176 | 2.28 | 0.0 | 46.919 | 2.085 | 0.0 | 37.536 | 1.589 | 0.0 | 45.033 | 1.616 | 0.0 | 47.412 | 2.059 | 0.0 | 45.874 | 1.913 | 0.0 | 40.895 | 1.477 | 0.0 | 45.071 | 1.449 |
| 59 | 3367 | 3368 | SN | 1 | 0.0 | 49.182 | 2.616 | 0.0 | 45.907 | 2.631 | 0.0 | 38.05 | 1.738 | 0.0 | 43.695 | 1.638 | 0.0 | 47.341 | 2.25 | 0.0 | 44.626 | 2.342 | 0.0 | 38.199 | 1.515 | 0.0 | 40.701 | 1.434 |
| 60 | 3367 | 3368 | NS | 1 | 0.0 | 47.176 | 2.28 | 0.0 | 46.919 | 2.085 | 0.0 | 37.536 | 1.589 | 0.0 | 45.033 | 1.616 | 0.0 | 47.412 | 2.059 | 0.0 | 45.874 | 1.913 | 0.0 | 40.895 | 1.477 | 0.0 | 45.071 | 1.449 |
| 61 | 3368 | 3369 | SN | 1 | 0.0 | 50.822 | 3.778 | 0.0 | 48.243 | 3.826 | 0.0 | 44.065 | 2.284 | 0.0 | 40.477 | 2.311 | 0.0 | 48.571 | 3.547 | 0.0 | 49.842 | 3.734 | 0.0 | 42.494 | 2.22 | 0.0 | 37.8 | 2.281 |
| 62 | 3368 | 3369 | NS | 1 | 0.0 | 52.109 | 6.819 | 0.0 | 49.946 | 6.261 | 0.0 | 43.147 | 4.591 | 0.0 | 43.12 | 5.086 | 0.0 | 50.787 | 5.978 | 0.0 | 48.563 | 5.804 | 0.0 | 43.016 | 4.335 | 0.0 | 41.251 | 4.852 |
| 63 | 3368 | 3369 | NS | 1 | 0.0 | 50.93 | 6.513 | 0.0 | 48.334 | 6.15 | 0.0 | 40.681 | 5.086 | 0.0 | 46.982 | 4.761 | 0.0 | 50.679 | 6.088 | 0.0 | 48.563 | 5.724 | 0.0 | 40.99 | 4.681 | 0.0 | 44.201 | 4.469 |
| 64 | 3368 | 3369 | SN | 1 | 0.0 | 58.282 | 11.458 | 0.0 | 55.621 | 11.843 | 0.0 | 49.212 | 7.908 | 0.0 | 46.528 | 8.199 | 0.0 | 55.941 | 11.069 | 0.0 | 53.855 | 11.518 | 0.0 | 49.254 | 7.794 | 0.0 | 47.658 | 8.1 |
| 65 | 3368 | 3369 | SN | 1 | 0.0 | 58.282 | 10.909 | 0.0 | 55.621 | 11.288 | 0.0 | 49.212 | 7.467 | 0.0 | 46.528 | 7.786 | 0.0 | 55.941 | 10.504 | 0.0 | 53.855 | 10.941 | 0.0 | 49.254 | 7.346 | 0.0 | 47.658 | 7.643 |
| 66 | 3368 | 3369 | SN | 1 | 0.0 | 50.822 | 3.554 | 0.0 | 48.243 | 3.599 | 0.0 | 44.065 | 2.151 | 0.0 | 40.477 | 2.184 | 0.0 | 48.571 | 3.336 | 0.0 | 49.842 | 3.511 | 0.0 | 42.494 | 2.085 | 0.0 | 37.8 | 2.145 |
| 67 | 3368 | 3369 | SN | 1 | 0.0 | 50.822 | 3.554 | 0.0 | 48.243 | 3.64 | 0.0 | 44.065 | 2.151 | 0.0 | 40.477 | 2.209 | 0.0 | 48.571 | 3.336 | 0.0 | 49.842 | 3.551 | 0.0 | 42.494 | 2.085 | 0.0 | 37.8 | 2.17 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|--------|-------|-----|--------|-------|-----|--------|--------|-----|--------|--------|-----|--------|-------|-----|--------|-------|
| 68 | 3368 | 3369 | SN | 1 | 0.0 | 58.282 | 10.913 | 0.0 | 55.621 | 11.411 | 0.0 | 49.212 | 7.467 | 0.0 | 46.528 | 7.877 | 0.0 | 55.941 | 10.508 | 0.0 | 53.855 | 11.061 | 0.0 | 49.254 | 7.346 | 0.0 | 47.658 | 7.732 |
| 69 | 3368 | 3369 | NS | 1 | 0.0 | 46.874 | 2.038 | 0.0 | 43.667 | 2.03 | 0.0 | 38.098 | 1.651 | 0.0 | 44.555 | 1.664 | 0.0 | 45.725 | 1.792 | 0.0 | 41.549 | 1.768 | 0.0 | 34.853 | 1.467 | 0.0 | 40.042 | 1.501 |
| 70 | 3368 | 3369 | NS | 1 | 0.0 | 47.168 | 2.157 | 0.0 | 44.813 | 1.936 | 0.0 | 43.732 | 1.751 | 0.0 | 42.258 | 1.72 | 0.0 | 45.031 | 1.839 | 0.0 | 47.441 | 1.674 | 0.0 | 42.325 | 1.519 | 0.0 | 38.424 | 1.588 |
| 71 | 3369 | 3370 | SN | 1 | 0.0 | 52.962 | 6.256 | 0.0 | 51.947 | 5.769 | 0.0 | 42.298 | 3.754 | 0.0 | 41.328 | 4.125 | 0.0 | 51.964 | 5.406 | 0.0 | 52.465 | 5.046 | 0.0 | 40.38 | 3.278 | 0.0 | 40.46 | 3.526 |
| 72 | 3369 | 3370 | NS | 1 | 0.0 | 47.6 | 5.988 | 0.0 | 54.69 | 4.688 | 0.0 | 47.171 | 4.079 | 0.0 | 41.529 | 4.204 | 0.0 | 45.416 | 5.269 | 0.0 | 54.609 | 4.292 | 0.0 | 43.537 | 3.823 | 0.0 | 45.958 | 3.77 |
| 73 | 3369 | 3370 | SN | 1 | 0.0 | 46.297 | 1.703 | 0.0 | 44.343 | 1.835 | 0.0 | 45.935 | 1.109 | 0.0 | 44.455 | 1.253 | 0.0 | 50.043 | 1.378 | 0.0 | 46.247 | 1.52 | 0.0 | 45.755 | 0.898 | 0.0 | 42.968 | 1.022 |
| 74 | 3369 | 3370 | NS | 1 | 0.0 | 45.047 | 1.837 | 0.0 | 44.861 | 1.461 | 0.0 | 42.102 | 1.217 | 0.0 | 43.581 | 1.185 | 0.0 | 46.254 | 1.505 | 0.0 | 45.93 | 1.264 | 0.0 | 42.532 | 1.108 | 0.0 | 43.154 | 1.066 |
| 75 | 3370 | 3371 | NS | 1 | 0.0 | 50.316 | 2.511 | 0.0 | 46.398 | 1.983 | 0.0 | 41.948 | 1.597 | 0.0 | 41.528 | 1.784 | 0.0 | 50.889 | 2.141 | 0.0 | 47.176 | 1.809 | 0.0 | 42.856 | 1.39 | 0.0 | 40.424 | 1.558 |
| 76 | 3370 | 3371 | SN | 1 | 0.0 | 44.86 | 4.717 | 0.0 | 44.894 | 3.814 | 0.0 | 38.998 | 2.93 | 0.0 | 39.999 | 2.733 | 0.0 | 43.751 | 4.13 | 0.0 | 48.634 | 2.949 | 0.0 | 38.57 | 2.532 | 0.0 | 41.073 | 2.326 |
| 77 | 3370 | 3371 | NS | 1 | 0.0 | 50.316 | 2.511 | 0.0 | 46.398 | 1.983 | 0.0 | 41.948 | 1.597 | 0.0 | 41.528 | 1.784 | 0.0 | 50.889 | 2.141 | 0.0 | 47.176 | 1.809 | 0.0 | 42.856 | 1.39 | 0.0 | 40.424 | 1.558 |
| 78 | 3370 | 3371 | SN | 1 | 0.0 | 41.693 | 1.491 | 0.0 | 45.686 | 1.074 | 0.0 | 41.087 | 1.044 | 0.0 | 36.044 | 0.79 | 0.0 | 39.578 | 1.213 | 0.0 | 41.403 | 0.809 | 0.0 | 37.439 | 0.816 | 0.0 | 34.604 | 0.598 |
| 79 | 3370 | 3371 | NS | 1 | 0.0 | 56.509 | 7.8 | 0.0 | 50.092 | 7.012 | 0.0 | 46.514 | 5.172 | 0.0 | 44.778 | 5.565 | 0.0 | 57.963 | 7.0 | 0.0 | 49.962 | 6.332 | 0.0 | 45.888 | 4.831 | 0.0 | 44.165 | 5.081 |
| 80 | 3370 | 3371 | NS | 1 | 0.0 | 56.509 | 7.8 | 0.0 | 50.092 | 7.012 | 0.0 | 46.514 | 5.172 | 0.0 | 44.778 | 5.565 | 0.0 | 57.963 | 7.0 | 0.0 | 49.962 | 6.332 | 0.0 | 45.888 | 4.831 | 0.0 | 44.165 | 5.081 |
| 81 | 3371 | 3372 | NS | 1 | 0.0 | 44.913 | 0.884 | 0.0 | 43.989 | 0.74 | 0.0 | 36.962 | 0.675 | 0.0 | 39.824 | 0.644 | 0.0 | 41.46 | 0.643 | 0.0 | 44.401 | 0.564 | 0.0 | 35.334 | 0.48 | 0.0 | 35.227 | 0.47 |
| 82 | 3371 | 3372 | NS | 1 | 0.0 | 43.072 | 2.715 | 0.0 | 47.669 | 2.353 | 0.0 | 37.724 | 1.946 | 0.0 | 41.503 | 1.878 | 0.0 | 42.964 | 1.894 | 0.0 | 44.785 | 1.785 | 0.0 | 39.369 | 1.349 | 0.0 | 37.667 | 1.358 |
| 83 | 3376 | 3377 | SN | 1 | 0.0 | 51.497 | 1.802 | 0.0 | 53.545 | 1.77 | 0.0 | 42.553 | 1.126 | 0.0 | 45.132 | 1.08 | 0.0 | 50.873 | 1.632 | 0.0 | 50.668 | 1.626 | 0.0 | 38.182 | 1.043 | 0.0 | 43.22 | 0.97 |
| 84 | 3376 | 3377 | SN | 1 | 0.0 | 59.14 | 6.248 | 0.0 | 49.32 | 6.037 | 0.0 | 46.955 | 3.827 | 0.0 | 45.197 | 4.007 | 0.0 | 56.907 | 5.842 | 0.0 | 48.48 | 5.493 | 0.0 | 47.048 | 3.556 | 0.0 | 45.215 | 3.684 |
| 85 | 3376 | 3377 | SN | 1 | 0.0 | 53.116 | 6.123 | 0.0 | 49.323 | 5.861 | 0.0 | 44.202 | 3.718 | 0.0 | 49.213 | 3.973 | 0.0 | 54.824 | 5.688 | 0.0 | 48.48 | 5.383 | 0.0 | 42.51 | 3.54 | 0.0 | 47.44 | 3.63 |
| 86 | 3376 | 3377 | NS | 1 | 0.0 | 50.901 | 4.154 | 0.0 | 49.13 | 3.376 | 0.0 | 44.142 | 2.45 | 0.0 | 47.844 | 2.406 | 0.0 | 52.205 | 3.809 | 0.0 | 52.941 | 3.087 | 0.0 | 46.331 | 2.26 | 0.0 | 45.183 | 2.065 |
| 87 | 3376 | 3377 | NS | 1 | 0.0 | 55.321 | 12.723 | 0.0 | 53.964 | 11.672 | 0.0 | 47.997 | 8.459 | 0.0 | 47.119 | 8.172 | 0.0 | 54.41 | 11.943 | 0.0 | 53.653 | 10.81 | 0.0 | 48.26 | 7.798 | 0.0 | 48.605 | 7.518 |
| 88 | 3376 | 3377 | SN | 1 | 0.0 | 59.14 | 6.105 | 0.0 | 49.32 | 5.933 | 0.0 | 46.955 | 3.767 | 0.0 | 45.197 | 3.94 | 0.0 | 56.907 | 5.7 | 0.0 | 48.48 | 5.398 | 0.0 | 47.048 | 3.497 | 0.0 | 45.215 | 3.622 |
| 89 | 3376 | 3377 | SN | 1 | 0.0 | 57.528 | 1.815 | 0.0 | 53.31 | 1.793 | 0.0 | 44.185 | 1.128 | 0.0 | 41.467 | 1.094 | 0.0 | 56.907 | 1.66 | 0.0 | 50.431 | 1.662 | 0.0 | 39.814 | 1.054 | 0.0 | 38.745 | 0.979 |
| 90 | 3376 | 3377 | NS | 1 | 0.0 | 57.244 | 12.772 | 0.0 | 54.06 | 11.682 | 0.0 | 46.238 | 8.523 | 0.0 | 46.919 | 8.136 | 0.0 | 54.295 | 12.013 | 0.0 | 54.153 | 10.749 | 0.0 | 46.505 | 7.841 | 0.0 | 48.066 | 7.581 |
| 91 | 3376 | 3377 | SN | 1 | 0.0 | 57.528 | 1.863 | 0.0 | 53.31 | 1.828 | 0.0 | 44.185 | 1.152 | 0.0 | 41.467 | 1.116 | 0.0 | 56.907 | 1.703 | 0.0 | 50.431 | 1.695 | 0.0 | 39.814 | 1.077 | 0.0 | 38.745 | 0.999 |
| 92 | 3376 | 3377 | NS | 1 | 0.0 | 53.913 | 4.176 | 0.0 | 50.605 | 3.372 | 0.0 | 42.068 | 2.432 | 0.0 | 45.008 | 2.399 | 0.0 | 54.069 | 3.822 | 0.0 | 54.417 | 3.071 | 0.0 | 41.854 | 2.255 | 0.0 | 41.524 | 2.058 |
| 93 | 3377 | 3378 | NS | 1 | 0.0 | 51.838 | 4.661 | 0.0 | 48.956 | 3.184 | 0.0 | 48.791 | 2.871 | 0.0 | 45.87 | 2.354 | 0.0 | 49.032 | 3.577 | 0.0 | 50.524 | 2.586 | 0.0 | 45.469 | 2.445 | 0.0 | 46.624 | 1.984 |
| 94 | 3377 | 3378 | SN | 1 | 0.0 | 51.869 | 1.169 | 0.0 | 42.674 | 0.898 | 0.0 | 41.217 | 0.954 | 0.0 | 40.21 | 0.799 | 0.0 | 50.943 | 1.025 | 0.0 | 41.175 | 0.73 | 0.0 | 43.468 | 0.796 | 0.0 | 37.395 | 0.675 |
| 95 | 3377 | 3378 | SN | 1 | 0.0 | 51.869 | 1.153 | 0.0 | 42.674 | 0.894 | 0.0 | 41.217 | 0.943 | 0.0 | 40.21 | 0.798 | 0.0 | 50.943 | 1.009 | 0.0 | 41.175 | 0.727 | 0.0 | 43.468 | 0.782 | 0.0 | 37.395 | 0.674 |
| 96 | 3377 | 3378 | NS | 1 | 0.0 | 46.999 | 1.345 | 0.0 | 55.68 | 0.924 | 0.0 | 44.055 | 0.897 | 0.0 | 43.101 | 0.794 | 0.0 | 47.526 | 1.113 | 0.0 | 54.497 | 0.746 | 0.0 | 45.461 | 0.715 | 0.0 | 41.149 | 0.613 |
| 97 | 3377 | 3378 | NS | 1 | 0.0 | 43.226 | 1.458 | 0.0 | 43.542 | 0.99 | 0.0 | 42.903 | 0.986 | 0.0 | 41.141 | 0.803 | 0.0 | 41.788 | 1.171 | 0.0 | 41.416 | 0.784 | 0.0 | 41.259 | 0.775 | 0.0 | 42.623 | 0.602 |
| 98 | 3377 | 3378 | SN | 1 | 0.0 | 50.898 | 3.869 | 0.0 | 47.471 | 2.914 | 0.0 | 44.272 | 2.887 | 0.0 | 46.605 | 2.747 | 0.0 | 49.867 | 3.274 | 0.0 | 45.666 | 2.409 | 0.0 | 43.767 | 2.576 | 0.0 | 46.658 | 2.299 |
| 99 | 3377 | 3378 | SN | 1 | 0.0 | 50.898 | 3.89 | 0.0 | 47.471 | 2.945 | 0.0 | 47.123 | 2.865 | 0.0 | 46.605 | 2.747 | 0.0 | 49.867 | 3.264 | 0.0 | 45.666 | 2.441 | 0.0 | 44.265 | 2.612 | 0.0 | 46.658 | 2.284 |
| 100 | 3377 | 3378 | SN | 1 | 0.0 | 50.898 | 3.833 | 0.0 | 47.471 | 2.941 | 0.0 | 51.882 | 2.822 | 0.0 | 46.605 | 2.736 | 0.0 | 49.867 | 3.216 | 0.0 | 45.666 | 2.437 | 0.0 | 49.025 | 2.573 | 0.0 | 46.658 | 2.288 |
| 101 | 3377 | 3378 | SN | 1 | 0.0 | 51.869 | 1.171 | 0.0 | 42.674 | 0.896 | 0.0 | 41.217 | 0.953 | 0.0 | 40.21 | 0.792 | 0.0 | 50.943 | 1.034 | 0.0 | 41.175 | 0.735 | 0.0 | 43.468 | 0.803 | 0.0 | 37.395 | 0.668 |
| 102 | 3377 | 3378 | NS | 1 | 0.0 | 51.167 | 4.316 | 0.0 | 47.423 | 3.257 | 0.0 | 46.334 | 2.87 | 0.0 | 45.223 | 2.404 | 0.0 | 48.665 | 3.333 | 0.0 | 47.86 | 2.719 | 0.0 | 44.48 | 2.351 | 0.0 | 41.028 | 2.006 |
| 103 | 3378 | 3379 | SN | 1 | 0.0 | 42.923 | 1.555 | 0.0 | 40.664 | 1.111 | 0.0 | 35.668 | 1.119 | 0.0 | 37.657 | 1.267 | 0.0 | 41.388 | 1.28 | 0.0 | 41.492 | 0.936 | 0.0 | 34.649 | 0.94 | 0.0 | 35.751 | 1.022 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 104 | 3378 | 3379 | SN | 1 | 0.0 | 42.923 | 1.555 | 0.0 | 40.664 | 1.123 | 0.0 | 35.668 | 1.119 | 0.0 | 37.657 | 1.281 | 0.0 | 41.388 | 1.28 | 0.0 | 41.492 | 0.947 | 0.0 | 34.649 | 0.94 | 0.0 | 35.751 | 1.033 |
| 105 | 3378 | 3379 | NS | 1 | 0.0 | 46.829 | 1.446 | 0.0 | 45.124 | 1.019 | 0.0 | 36.342 | 0.941 | 0.0 | 46.317 | 0.962 | 0.0 | 49.176 | 1.182 | 0.0 | 44.853 | 0.961 | 0.0 | 35.19 | 0.853 | 0.0 | 43.312 | 0.849 |
| 106 | 3378 | 3379 | SN | 1 | 0.0 | 43.465 | 4.772 | 0.0 | 44.236 | 3.336 | 0.0 | 45.135 | 3.234 | 0.0 | 39.025 | 3.096 | 0.0 | 43.396 | 4.125 | 0.0 | 41.602 | 2.99 | 0.0 | 42.985 | 2.935 | 0.0 | 41.165 | 2.847 |
| 107 | 3378 | 3379 | NS | 1 | 0.0 | 54.994 | 3.374 | 0.0 | 49.382 | 2.77 | 0.0 | 42.099 | 2.642 | 0.0 | 42.362 | 2.831 | 0.0 | 55.95 | 2.826 | 0.0 | 49.355 | 2.425 | 0.0 | 41.545 | 2.45 | 0.0 | 41.204 | 2.511 |
| 108 | 3378 | 3379 | SN | 1 | 0.0 | 42.923 | 1.58 | 0.0 | 40.664 | 1.127 | 0.0 | 35.668 | 1.133 | 0.0 | 37.657 | 1.285 | 0.0 | 41.388 | 1.3 | 0.0 | 41.492 | 0.952 | 0.0 | 34.649 | 0.956 | 0.0 | 35.751 | 1.037 |
| 109 | 3378 | 3379 | SN | 1 | 0.0 | 43.465 | 4.854 | 0.0 | 44.236 | 3.386 | 0.0 | 45.135 | 3.297 | 0.0 | 39.025 | 3.138 | 0.0 | 43.396 | 4.196 | 0.0 | 41.602 | 3.035 | 0.0 | 42.985 | 2.994 | 0.0 | 41.165 | 2.884 |
| 110 | 3378 | 3379 | NS | 1 | 0.0 | 46.829 | 1.446 | 0.0 | 45.124 | 1.019 | 0.0 | 36.342 | 0.941 | 0.0 | 46.317 | 0.962 | 0.0 | 49.176 | 1.182 | 0.0 | 44.853 | 0.961 | 0.0 | 35.19 | 0.853 | 0.0 | 43.312 | 0.849 |
| 111 | 3378 | 3379 | NS | 1 | 0.0 | 54.994 | 3.374 | 0.0 | 49.382 | 2.77 | 0.0 | 42.099 | 2.642 | 0.0 | 42.362 | 2.831 | 0.0 | 55.95 | 2.826 | 0.0 | 49.355 | 2.425 | 0.0 | 41.545 | 2.45 | 0.0 | 41.204 | 2.511 |
| 112 | 3378 | 3379 | SN | 1 | 0.0 | 43.465 | 4.773 | 0.0 | 44.236 | 3.372 | 0.0 | 45.135 | 3.234 | 0.0 | 39.025 | 3.133 | 0.0 | 43.396 | 4.126 | 0.0 | 41.602 | 3.022 | 0.0 | 42.985 | 2.935 | 0.0 | 41.165 | 2.88 |
| 113 | 3379 | 3380 | SN | 1 | 0.0 | 39.797 | 1.687 | 0.0 | 43.762 | 1.377 | 0.0 | 39.626 | 1.318 | 0.0 | 39.196 | 1.063 | 0.0 | 36.798 | 1.364 | 0.0 | 42.99 | 1.149 | 0.0 | 38.361 | 1.109 | 0.0 | 38.093 | 0.869 |
| 114 | 3379 | 3380 | SN | 1 | 0.0 | 43.118 | 5.544 | 0.0 | 43.618 | 4.605 | 0.0 | 47.026 | 4.073 | 0.0 | 38.871 | 3.291 | 0.0 | 45.058 | 4.755 | 0.0 | 42.233 | 4.03 | 0.0 | 43.925 | 3.632 | 0.0 | 36.928 | 2.945 |
| 115 | 3379 | 3380 | SN | 1 | 0.0 | 43.118 | 5.542 | 0.0 | 43.618 | 4.554 | 0.0 | 47.026 | 4.066 | 0.0 | 38.871 | 3.253 | 0.0 | 45.058 | 4.753 | 0.0 | 42.233 | 3.985 | 0.0 | 43.925 | 3.632 | 0.0 | 36.928 | 2.911 |
| 116 | 3379 | 3380 | SN | 1 | 0.0 | 43.118 | 5.542 | 0.0 | 43.618 | 4.555 | 0.0 | 47.026 | 4.073 | 0.0 | 38.871 | 3.253 | 0.0 | 45.058 | 4.753 | 0.0 | 42.233 | 3.986 | 0.0 | 43.925 | 3.632 | 0.0 | 36.928 | 2.911 |
| 117 | 3379 | 3380 | NS | 1 | 0.0 | 52.035 | 6.858 | 0.0 | 57.422 | 6.483 | 0.0 | 41.478 | 4.56 | 0.0 | 43.796 | 4.531 | 0.0 | 54.454 | 6.382 | 0.0 | 55.993 | 5.702 | 0.0 | 42.728 | 4.034 | 0.0 | 44.773 | 4.154 |
| 118 | 3379 | 3380 | NS | 1 | 0.0 | 51.08 | 6.937 | 0.0 | 51.461 | 6.707 | 0.0 | 45.968 | 4.551 | 0.0 | 50.466 | 4.596 | 0.0 | 50.461 | 6.349 | 0.0 | 50.69 | 6.067 | 0.0 | 48.862 | 4.16 | 0.0 | 47.197 | 4.297 |
| 119 | 3379 | 3380 | SN | 1 | 0.0 | 39.797 | 1.687 | 0.0 | 43.762 | 1.393 | 0.0 | 39.626 | 1.318 | 0.0 | 39.196 | 1.075 | 0.0 | 36.798 | 1.364 | 0.0 | 42.99 | 1.162 | 0.0 | 38.361 | 1.109 | 0.0 | 38.093 | 0.879 |
| 120 | 3379 | 3380 | SN | 1 | 0.0 | 39.797 | 1.687 | 0.0 | 43.762 | 1.377 | 0.0 | 39.626 | 1.318 | 0.0 | 39.196 | 1.063 | 0.0 | 36.798 | 1.364 | 0.0 | 42.99 | 1.149 | 0.0 | 38.361 | 1.109 | 0.0 | 38.093 | 0.869 |
| 121 | 3379 | 3380 | NS | 1 | 0.0 | 44.648 | 2.139 | 0.0 | 51.376 | 1.856 | 0.0 | 42.632 | 1.326 | 0.0 | 41.294 | 1.305 | 0.0 | 42.94 | 1.983 | 0.0 | 48.093 | 1.722 | 0.0 | 42.445 | 1.172 | 0.0 | 40.877 | 1.161 |
| 122 | 3379 | 3380 | NS | 1 | 0.0 | 44.925 | 2.05 | 0.0 | 52.199 | 1.867 | 0.0 | 41.655 | 1.281 | 0.0 | 44.212 | 1.221 | 0.0 | 43.524 | 1.854 | 0.0 | 48.941 | 1.669 | 0.0 | 39.397 | 1.123 | 0.0 | 44.027 | 1.059 |
| 123 | 3380 | 3381 | SN | 1 | 0.0 | 46.738 | 7.496 | 0.0 | 41.18 | 6.793 | 0.0 | 39.421 | 4.784 | 0.0 | 39.312 | 4.744 | 0.0 | 44.147 | 7.243 | 0.0 | 42.89 | 6.631 | 0.0 | 41.084 | 4.727 | 0.0 | 41.243 | 4.602 |
| 124 | 3380 | 3381 | SN | 1 | 0.0 | 46.738 | 7.498 | 0.0 | 41.18 | 6.867 | 0.0 | 39.421 | 4.784 | 0.0 | 39.312 | 4.799 | 0.0 | 44.147 | 7.245 | 0.0 | 42.89 | 6.702 | 0.0 | 41.084 | 4.727 | 0.0 | 41.243 | 4.655 |
| 125 | 3380 | 3381 | NS | 1 | 0.0 | 43.5 | 1.734 | 0.0 | 44.993 | 1.698 | 0.0 | 44.161 | 1.09 | 0.0 | 40.323 | 1.265 | 0.0 | 44.916 | 1.68 | 0.0 | 47.428 | 1.633 | 0.0 | 40.987 | 1.006 | 0.0 | 40.775 | 1.137 |
| 126 | 3380 | 3381 | NS | 1 | 0.0 | 43.5 | 1.734 | 0.0 | 44.993 | 1.698 | 0.0 | 44.161 | 1.09 | 0.0 | 40.323 | 1.265 | 0.0 | 44.916 | 1.68 | 0.0 | 47.428 | 1.633 | 0.0 | 40.987 | 1.006 | 0.0 | 40.775 | 1.137 |
| 127 | 3380 | 3381 | SN | 1 | 0.0 | 46.127 | 2.332 | 0.0 | 43.693 | 2.051 | 0.0 | 38.021 | 1.649 | 0.0 | 39.281 | 1.635 | 0.0 | 45.186 | 2.143 | 0.0 | 41.672 | 1.912 | 0.0 | 37.882 | 1.511 | 0.0 | 38.826 | 1.578 |
| 128 | 3380 | 3381 | NS | 1 | 0.0 | 52.369 | 5.144 | 0.0 | 52.392 | 5.103 | 0.0 | 48.715 | 3.692 | 0.0 | 44.421 | 4.041 | 0.0 | 51.996 | 4.83 | 0.0 | 53.884 | 4.718 | 0.0 | 47.7 | 3.535 | 0.0 | 45.395 | 3.834 |
| 129 | 3380 | 3381 | SN | 1 | 0.0 | 46.738 | 7.764 | 0.0 | 41.18 | 7.023 | 0.0 | 39.421 | 4.934 | 0.0 | 39.312 | 4.901 | 0.0 | 44.147 | 7.512 | 0.0 | 42.89 | 6.854 | 0.0 | 41.084 | 4.89 | 0.0 | 41.243 | 4.76 |
| 130 | 3380 | 3381 | NS | 1 | 0.0 | 52.369 | 5.144 | 0.0 | 52.392 | 5.103 | 0.0 | 48.715 | 3.692 | 0.0 | 44.421 | 4.041 | 0.0 | 51.996 | 4.83 | 0.0 | 53.884 | 4.718 | 0.0 | 47.7 | 3.535 | 0.0 | 45.395 | 3.834 |
| 131 | 3380 | 3381 | SN | 1 | 0.0 | 46.127 | 2.42 | 0.0 | 43.693 | 2.103 | 0.0 | 38.021 | 1.701 | 0.0 | 39.281 | 1.675 | 0.0 | 45.186 | 2.223 | 0.0 | 41.672 | 1.96 | 0.0 | 37.882 | 1.563 | 0.0 | 38.826 | 1.616 |
| 132 | 3380 | 3381 | SN | 1 | 0.0 | 46.127 | 2.332 | 0.0 | 43.693 | 2.029 | 0.0 | 38.021 | 1.648 | 0.0 | 39.281 | 1.617 | 0.0 | 45.186 | 2.143 | 0.0 | 41.672 | 1.891 | 0.0 | 37.882 | 1.509 | 0.0 | 38.826 | 1.56 |
| 133 | 3381 | 3382 | NS | 1 | 0.0 | 46.797 | 2.433 | 0.0 | 56.872 | 2.109 | 0.0 | 43.741 | 1.555 | 0.0 | 50.452 | 1.409 | 0.0 | 48.577 | 2.063 | 0.0 | 53.506 | 1.813 | 0.0 | 45.369 | 1.35 | 0.0 | 46.409 | 1.126 |
| 134 | 3381 | 3382 | SN | 1 | 0.0 | 49.645 | 6.403 | 0.0 | 46.831 | 5.562 | 0.0 | 49.481 | 4.566 | 0.0 | 46.026 | 4.577 | 0.0 | 51.588 | 5.521 | 0.0 | 49.457 | 4.995 | 0.0 | 47.831 | 4.068 | 0.0 | 44.976 | 4.273 |
| 135 | 3381 | 3382 | SN | 1 | 0.0 | 45.951 | 1.939 | 0.0 | 44.421 | 1.821 | 0.0 | 40.463 | 1.436 | 0.0 | 39.671 | 1.39 | 0.0 | 45.179 | 1.634 | 0.0 | 42.905 | 1.645 | 0.0 | 40.513 | 1.28 | 0.0 | 38.101 | 1.221 |
| 136 | 3381 | 3382 | SN | 1 | 0.0 | 49.21 | 6.258 | 0.0 | 48.744 | 5.463 | 0.0 | 45.493 | 4.511 | 0.0 | 46.473 | 4.475 | 0.0 | 51.587 | 5.358 | 0.0 | 52.779 | 4.995 | 0.0 | 43.904 | 4.014 | 0.0 | 47.613 | 4.126 |
| 137 | 3381 | 3382 | SN | 1 | 0.0 | 40.819 | 1.966 | 0.0 | 48.633 | 1.847 | 0.0 | 42.099 | 1.446 | 0.0 | 43.219 | 1.424 | 0.0 | 41.329 | 1.638 | 0.0 | 50.881 | 1.673 | 0.0 | 38.342 | 1.291 | 0.0 | 40.528 | 1.23 |
| 138 | 3381 | 3382 | NS | 1 | 0.0 | 48.748 | 7.518 | 0.0 | 49.71 | 6.402 | 0.0 | 44.452 | 5.167 | 0.0 | 47.058 | 5.115 | 0.0 | 49.448 | 6.646 | 0.0 | 49.919 | 5.834 | 0.0 | 47.75 | 4.655 | 0.0 | 49.355 | 4.553 |
| 139 | 3381 | 3382 | NS | 1 | 0.0 | 52.415 | 7.427 | 0.0 | 52.934 | 6.422 | 0.0 | 44.916 | 5.167 | 0.0 | 47.1 | 5.115 | 0.0 | 53.549 | 6.565 | 0.0 | 52.697 | 5.824 | 0.0 | 47.822 | 4.67 | 0.0 | 47.561 | 4.567 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|--------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 140 | 3381 | 3382 | SN | 1 | 0.0 | 40.819 | 1.939 | 0.0 | 48.633 | 1.842 | 0.0 | 42.099 | 1.425 | 0.0 | 43.219 | 1.418 | 0.0 | 41.329 | 1.616 | 0.0 | 50.881 | 1.668 | 0.0 | 38.342 | 1.271 | 0.0 | 40.528 | 1.224 |
| 141 | 3381 | 3382 | SN | 1 | 0.0 | 49.645 | 6.33 | 0.0 | 46.831 | 5.543 | 0.0 | 49.481 | 4.504 | 0.0 | 46.026 | 4.57 | 0.0 | 51.588 | 5.45 | 0.0 | 49.457 | 4.988 | 0.0 | 47.831 | 4.007 | 0.0 | 44.976 | 4.267 |
| 142 | 3381 | 3382 | NS | 1 | 0.0 | 49.778 | 2.429 | 0.0 | 52.596 | 2.119 | 0.0 | 42.68 | 1.564 | 0.0 | 47.535 | 1.387 | 0.0 | 47.703 | 2.034 | 0.0 | 49.229 | 1.804 | 0.0 | 44.307 | 1.367 | 0.0 | 43.469 | 1.165 |
| 143 | 3382 | 3383 | SN | 1 | 0.0 | 52.917 | 9.705 | 0.0 | 49.052 | 9.248 | 0.0 | 48.288 | 6.494 | 0.0 | 49.12 | 6.359 | 0.0 | 56.276 | 9.361 | 0.0 | 48.695 | 8.648 | 0.0 | 47.0 | 6.43 | 0.0 | 48.974 | 5.931 |
| 144 | 3382 | 3383 | NS | 1 | 0.0 | 43.123 | 2.433 | 0.0 | 52.586 | 2.01 | 0.0 | 36.992 | 1.628 | 0.0 | 37.278 | 1.46 | 0.0 | 42.23 | 2.068 | 0.0 | 50.75 | 1.73 | 0.0 | 37.661 | 1.397 | 0.0 | 36.544 | 1.241 |
| 145 | 3382 | 3383 | NS | 1 | 0.0 | 45.493 | 6.961 | 0.0 | 51.75 | 6.301 | 0.0 | 47.187 | 4.833 | 0.0 | 44.891 | 4.532 | 0.0 | 47.747 | 6.151 | 0.0 | 51.161 | 5.56 | 0.0 | 45.433 | 4.385 | 0.0 | 40.96 | 3.898 |
| 146 | 3382 | 3383 | NS | 1 | 0.0 | 45.231 | 6.931 | 0.0 | 49.492 | 6.362 | 0.0 | 47.188 | 4.875 | 0.0 | 42.662 | 4.446 | 0.0 | 47.961 | 6.08 | 0.0 | 48.902 | 5.509 | 0.0 | 45.433 | 4.385 | 0.0 | 42.44 | 3.856 |
| 147 | 3382 | 3383 | SN | 1 | 0.0 | 52.917 | 9.709 | 0.0 | 49.052 | 9.349 | 0.0 | 48.288 | 6.494 | 0.0 | 49.12 | 6.426 | 0.0 | 56.276 | 9.365 | 0.0 | 48.695 | 8.763 | 0.0 | 47.0 | 6.43 | 0.0 | 48.974 | 6.0 |
| 148 | 3382 | 3383 | NS | 1 | 0.0 | 42.776 | 2.424 | 0.0 | 56.241 | 2.028 | 0.0 | 36.95 | 1.635 | 0.0 | 39.246 | 1.469 | 0.0 | 42.704 | 2.074 | 0.0 | 53.543 | 1.743 | 0.0 | 36.5 | 1.406 | 0.0 | 36.465 | 1.266 |
| 149 | 3382 | 3383 | SN | 1 | 0.0 | 51.869 | 3.112 | 0.0 | 48.809 | 2.791 | 0.0 | 43.454 | 1.917 | 0.0 | 44.481 | 1.963 | 0.0 | 50.753 | 2.995 | 0.0 | 44.647 | 2.592 | 0.0 | 41.198 | 1.842 | 0.0 | 44.523 | 1.807 |
| 150 | 3382 | 3383 | SN | 1 | 0.0 | 51.869 | 3.112 | 0.0 | 48.809 | 2.762 | 0.0 | 43.454 | 1.917 | 0.0 | 44.481 | 1.941 | 0.0 | 50.753 | 2.995 | 0.0 | 44.647 | 2.565 | 0.0 | 41.198 | 1.842 | 0.0 | 44.523 | 1.786 |
| 151 | 3382 | 3383 | SN | 1 | 0.0 | 52.917 | 10.008 | 0.0 | 49.052 | 9.418 | 0.0 | 48.288 | 6.774 | 0.0 | 49.12 | 6.553 | 0.0 | 56.276 | 9.649 | 0.0 | 48.695 | 8.833 | 0.0 | 47.0 | 6.722 | 0.0 | 48.974 | 6.127 |
| 152 | 3382 | 3383 | SN | 1 | 0.0 | 51.869 | 3.219 | 0.0 | 48.809 | 2.844 | 0.0 | 43.454 | 1.993 | 0.0 | 44.481 | 2.007 | 0.0 | 50.753 | 3.093 | 0.0 | 44.647 | 2.653 | 0.0 | 41.198 | 1.923 | 0.0 | 44.523 | 1.853 |
| 153 | 3383 | 3384 | SN | 1 | 0.0 | 45.378 | 2.128 | 0.0 | 50.704 | 2.194 | 0.0 | 42.095 | 1.478 | 0.0 | 47.089 | 1.521 | 0.0 | 46.1 | 1.913 | 0.0 | 49.058 | 2.046 | 0.0 | 40.882 | 1.388 | 0.0 | 46.746 | 1.463 |
| 154 | 3383 | 3384 | SN | 1 | 0.0 | 45.378 | 2.283 | 0.0 | 50.704 | 2.32 | 0.0 | 42.095 | 1.587 | 0.0 | 47.089 | 1.608 | 0.0 | 46.1 | 2.068 | 0.0 | 49.058 | 2.177 | 0.0 | 40.882 | 1.488 | 0.0 | 46.746 | 1.554 |
| 155 | 3383 | 3384 | SN | 1 | 0.0 | 52.519 | 6.631 | 0.0 | 55.652 | 6.63 | 0.0 | 46.596 | 4.972 | 0.0 | 49.403 | 5.021 | 0.0 | 53.216 | 6.476 | 0.0 | 54.158 | 6.374 | 0.0 | 46.718 | 4.847 | 0.0 | 47.027 | 5.005 |
| 156 | 3383 | 3384 | SN | 1 | 0.0 | 45.378 | 2.128 | 0.0 | 50.704 | 2.17 | 0.0 | 42.095 | 1.478 | 0.0 | 47.089 | 1.506 | 0.0 | 46.1 | 1.913 | 0.0 | 49.058 | 2.023 | 0.0 | 40.882 | 1.388 | 0.0 | 46.746 | 1.449 |
| 157 | 3383 | 3384 | NS | 1 | 0.0 | 40.714 | 1.167 | 0.0 | 50.021 | 0.981 | 0.0 | 36.856 | 1.08 | 0.0 | 40.086 | 0.98 | 0.0 | 38.156 | 0.912 | 0.0 | 46.76 | 0.775 | 0.0 | 36.051 | 0.933 | 0.0 | 37.907 | 0.805 |
| 158 | 3383 | 3384 | NS | 1 | 0.0 | 44.764 | 1.191 | 0.0 | 46.306 | 0.998 | 0.0 | 42.386 | 1.108 | 0.0 | 44.762 | 1.022 | 0.0 | 45.467 | 0.961 | 0.0 | 43.542 | 0.822 | 0.0 | 38.437 | 0.954 | 0.0 | 44.225 | 0.864 |
| 159 | 3383 | 3384 | NS | 1 | 0.0 | 42.813 | 3.708 | 0.0 | 49.75 | 3.389 | 0.0 | 45.1 | 3.326 | 0.0 | 45.644 | 3.031 | 0.0 | 42.044 | 3.283 | 0.0 | 48.715 | 2.881 | 0.0 | 46.095 | 2.928 | 0.0 | 42.76 | 2.618 |
| 160 | 3383 | 3384 | NS | 1 | 0.0 | 39.249 | 4.244 | 0.0 | 51.925 | 3.542 | 0.0 | 43.344 | 3.26 | 0.0 | 47.453 | 3.075 | 0.0 | 38.942 | 3.383 | 0.0 | 50.27 | 3.014 | 0.0 | 41.877 | 2.927 | 0.0 | 45.246 | 2.783 |
| 161 | 3383 | 3384 | SN | 1 | 0.0 | 52.519 | 6.321 | 0.0 | 55.652 | 6.263 | 0.0 | 46.596 | 4.644 | 0.0 | 49.403 | 4.753 | 0.0 | 53.216 | 6.109 | 0.0 | 54.158 | 6.009 | 0.0 | 46.718 | 4.53 | 0.0 | 47.027 | 4.675 |
| 162 | 3383 | 3384 | SN | 1 | 0.0 | 52.519 | 6.324 | 0.0 | 55.652 | 6.321 | 0.0 | 46.596 | 4.644 | 0.0 | 49.403 | 4.794 | 0.0 | 53.216 | 6.112 | 0.0 | 54.158 | 6.064 | 0.0 | 46.718 | 4.53 | 0.0 | 47.027 | 4.722 |
| 163 | 3384 | 3385 | NS | 1 | 0.0 | 42.935 | 2.442 | 0.0 | 41.082 | 1.971 | 0.0 | 43.28 | 1.477 | 0.0 | 41.362 | 1.528 | 0.0 | 43.136 | 2.164 | 0.0 | 40.995 | 1.761 | 0.0 | 42.147 | 1.282 | 0.0 | 39.979 | 1.338 |
| 164 | 3384 | 3385 | NS | 1 | 0.0 | 55.977 | 7.891 | 0.0 | 46.438 | 6.594 | 0.0 | 46.359 | 4.902 | 0.0 | 51.367 | 4.865 | 0.0 | 57.551 | 7.435 | 0.0 | 45.647 | 6.026 | 0.0 | 45.548 | 4.433 | 0.0 | 52.244 | 4.382 |

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

| Sr No | Start Orbit | End Orbit | Dir. | Ver. | Azimuth Angle | | | | | | | | | | | | Incidence Angle | | | | | | | | | | | |
|-------|-------------|-----------|------|------|---------------|--------|------------|------------|--------|------------|-----------|---------|------------|------------|---------|------------|-----------------|-------|------------|------------|-------|------------|-----------|-------|------------|------------|-------|------------|
| | | | | | Inner Aft | | | Inner Fore | | | Outer Aft | | | Outer Fore | | | Inner Aft | | | Inner Fore | | | Outer Aft | | | Outer Fore | | |
| | | | | | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) |
| 1 | 3361 | 3362 | SN | 1 | 0.0 | 24.652 | 8.846 | 0.0 | 27.294 | 8.862 | 0.0 | 149.015 | 2.334 | 0.0 | 74.05 | 2.734 | 0.0 | 1.891 | 0.0 | 0.0 | 1.906 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.049 | 0.0 |
| 2 | 3361 | 3362 | SN | 1 | 0.0 | 32.186 | 14.993 | 0.0 | 25.932 | 15.009 | 0.0 | 186.44 | 10.819 | 0.0 | 36.84 | 12.18 | 0.0 | 1.898 | 0.0 | 0.0 | 1.944 | 0.0 | 0.0 | 2.03 | 0.0 | 0.0 | 2.073 | 0.0 |
| 3 | 3361 | 3362 | SN | 1 | 0.0 | 32.186 | 15.005 | 0.0 | 25.932 | 14.531 | 0.0 | 186.44 | 11.149 | 0.0 | 14.019 | 11.323 | 0.0 | 1.898 | 0.0 | 0.0 | 1.944 | 0.0 | 0.0 | 2.03 | 0.0 | 0.0 | 2.073 | 0.0 |
| 4 | 3361 | 3362 | SN | 1 | 0.0 | 24.652 | 9.02 | 0.0 | 27.294 | 8.818 | 0.0 | 149.015 | 2.457 | 0.0 | 11.714 | 2.566 | 0.0 | 1.891 | 0.0 | 0.0 | 1.906 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.049 | 0.0 |
| 5 | 3362 | 3363 | NS | 1 | 0.0 | 26.72 | 14.496 | 0.0 | 34.21 | 15.71 | 0.0 | 356.669 | 12.282 | 0.0 | 87.325 | 12.916 | 0.0 | 1.913 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.041 | 0.0 |
| 6 | 3362 | 3363 | SN | 1 | 0.0 | 32.191 | 14.912 | 0.0 | 25.805 | 15.019 | 0.0 | 168.174 | 10.798 | 0.0 | 43.21 | 12.187 | 0.0 | 1.898 | 0.0 | 0.0 | 1.934 | 0.0 | 0.0 | 2.031 | 0.0 | 0.0 | 2.073 | 0.0 |
| 7 | 3362 | 3363 | SN | 1 | 0.0 | 32.191 | 14.906 | 0.0 | 25.805 | 14.984 | 0.0 | 168.174 | 10.798 | 0.0 | 43.21 | 12.089 | 0.0 | 1.898 | 0.0 | 0.0 | 1.934 | 0.0 | 0.0 | 2.031 | 0.0 | 0.0 | 2.073 | 0.0 |
| 8 | 3362 | 3363 | SN | 1 | 0.0 | 24.624 | 8.793 | 0.0 | 27.283 | 8.888 | 0.0 | 147.83 | 2.321 | 0.0 | 73.168 | 2.769 | 0.0 | 1.893 | 0.0 | 0.0 | 1.904 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.053 | 0.0 |
| 9 | 3362 | 3363 | SN | 1 | 0.0 | 24.624 | 8.786 | 0.0 | 27.283 | 8.912 | 0.0 | 147.83 | 2.321 | 0.0 | 73.168 | 2.801 | 0.0 | 1.893 | 0.0 | 0.0 | 1.904 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.053 | 0.0 |
| 10 | 3362 | 3363 | NS | 1 | 0.0 | 24.873 | 9.716 | 0.0 | 24.806 | 9.542 | 0.0 | 340.306 | 3.262 | 0.0 | 76.907 | 3.413 | 0.0 | 1.894 | 0.0 | 0.0 | 1.902 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.035 | 0.0 |
| 11 | 3362 | 3363 | SN | 1 | 0.0 | 32.191 | 14.908 | 0.0 | 25.805 | 14.823 | 0.0 | 168.174 | 10.892 | 0.0 | 16.661 | 11.744 | 0.0 | 1.898 | 0.0 | 0.0 | 1.934 | 0.0 | 0.0 | 2.031 | 0.0 | 0.0 | 2.073 | 0.0 |
| 12 | 3362 | 3363 | SN | 1 | 0.0 | 24.624 | 8.838 | 0.0 | 27.283 | 8.866 | 0.0 | 147.83 | 2.36 | 0.0 | 11.923 | 2.63 | 0.0 | 1.893 | 0.0 | 0.0 | 1.904 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.053 | 0.0 |
| 13 | 3363 | 3364 | SN | 1 | 0.0 | 30.702 | 14.849 | 0.0 | 25.932 | 14.929 | 0.0 | 164.733 | 10.872 | 0.0 | 18.69 | 11.784 | 0.0 | 1.898 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.03 | 0.0 | 0.0 | 2.073 | 0.0 |
| 14 | 3363 | 3364 | SN | 1 | 0.0 | 30.702 | 14.858 | 0.0 | 25.932 | 14.929 | 0.0 | 164.733 | 10.873 | 0.0 | 18.69 | 11.784 | 0.0 | 1.898 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.03 | 0.0 | 0.0 | 2.073 | 0.0 |
| 15 | 3363 | 3364 | NS | 1 | 0.0 | 26.698 | 14.526 | 0.0 | 30.63 | 15.627 | 0.0 | 343.036 | 12.15 | 0.0 | 76.03 | 12.918 | 0.0 | 1.903 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.049 | 0.0 | 0.0 | 2.04 | 0.0 |
| 16 | 3363 | 3364 | SN | 1 | 0.0 | 24.63 | 8.853 | 0.0 | 27.299 | 8.866 | 0.0 | 147.41 | 2.368 | 0.0 | 12.497 | 2.629 | 0.0 | 1.89 | 0.0 | 0.0 | 1.921 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.048 | 0.0 |
| 17 | 3363 | 3364 | SN | 1 | 0.0 | 30.498 | 14.866 | 0.0 | 25.932 | 15.088 | 0.0 | 164.733 | 10.805 | 0.0 | 43.607 | 12.115 | 0.0 | 1.898 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.03 | 0.0 | 0.0 | 2.073 | 0.0 |
| 18 | 3363 | 3364 | NS | 1 | 0.0 | 24.873 | 9.678 | 0.0 | 24.79 | 9.526 | 0.0 | 351.077 | 3.221 | 0.0 | 78.181 | 3.346 | 0.0 | 1.899 | 0.0 | 0.0 | 1.903 | 0.0 | 0.0 | 2.043 | 0.0 | 0.0 | 2.034 | 0.0 |
| 19 | 3363 | 3364 | SN | 1 | 0.0 | 24.63 | 8.85 | 0.0 | 27.299 | 8.866 | 0.0 | 147.41 | 2.368 | 0.0 | 12.497 | 2.629 | 0.0 | 1.89 | 0.0 | 0.0 | 1.921 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.048 | 0.0 |
| 20 | 3363 | 3364 | NS | 1 | 0.0 | 26.715 | 14.556 | 0.0 | 34.27 | 15.669 | 0.0 | 349.748 | 12.155 | 0.0 | 140.936 | 12.881 | 0.0 | 1.902 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.049 | 0.0 | 0.0 | 2.039 | 0.0 |
| 21 | 3363 | 3364 | NS | 1 | 0.0 | 24.856 | 9.694 | 0.0 | 24.812 | 9.541 | 0.0 | 353.779 | 3.218 | 0.0 | 68.292 | 3.351 | 0.0 | 1.897 | 0.0 | 0.0 | 1.902 | 0.0 | 0.0 | 2.042 | 0.0 | 0.0 | 2.035 | 0.0 |
| 22 | 3363 | 3364 | SN | 1 | 0.0 | 24.63 | 8.808 | 0.0 | 27.299 | 8.914 | 0.0 | 147.41 | 2.339 | 0.0 | 76.504 | 2.785 | 0.0 | 1.89 | 0.0 | 0.0 | 1.921 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.048 | 0.0 |
| 23 | 3364 | 3365 | NS | 1 | 0.0 | 24.851 | 9.684 | 0.0 | 24.817 | 9.534 | 0.0 | 344.382 | 3.223 | 0.0 | 74.866 | 3.331 | 0.0 | 1.897 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.036 | 0.0 |
| 24 | 3364 | 3365 | SN | 1 | 0.0 | 25.937 | 8.84 | 0.0 | 27.294 | 8.901 | 0.0 | 187.703 | 2.347 | 0.0 | 12.039 | 2.665 | 0.0 | 1.891 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.05 | 0.0 |
| 25 | 3364 | 3365 | SN | 1 | 0.0 | 34.16 | 14.77 | 0.0 | 26.213 | 14.756 | 0.0 | 236.384 | 10.938 | 0.0 | 258.37 | 11.769 | 0.0 | 1.902 | 0.0 | 0.0 | 1.947 | 0.0 | 0.0 | 2.031 | 0.0 | 0.0 | 2.071 | 0.0 |
| 26 | 3364 | 3365 | SN | 1 | 0.0 | 34.16 | 14.762 | 0.0 | 26.213 | 15.029 | 0.0 | 236.384 | 10.83 | 0.0 | 258.37 | 12.261 | 0.0 | 1.902 | 0.0 | 0.0 | 1.947 | 0.0 | 0.0 | 2.031 | 0.0 | 0.0 | 2.071 | 0.0 |
| 27 | 3364 | 3365 | SN | 1 | 0.0 | 34.16 | 14.756 | 0.0 | 26.213 | 14.98 | 0.0 | 236.384 | 10.83 | 0.0 | 258.37 | 12.154 | 0.0 | 1.902 | 0.0 | 0.0 | 1.947 | 0.0 | 0.0 | 2.031 | 0.0 | 0.0 | 2.071 | 0.0 |
| 28 | 3364 | 3365 | NS | 1 | 0.0 | 26.698 | 14.539 | 0.0 | 33.404 | 15.574 | 0.0 | 355.274 | 12.267 | 0.0 | 95.58 | 12.853 | 0.0 | 1.904 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.041 | 0.0 |
| 29 | 3364 | 3365 | NS | 1 | 0.0 | 26.698 | 14.539 | 0.0 | 33.404 | 15.574 | 0.0 | 355.274 | 12.267 | 0.0 | 95.58 | 12.853 | 0.0 | 1.904 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.041 | 0.0 |
| 30 | 3364 | 3365 | SN | 1 | 0.0 | 25.937 | 8.781 | 0.0 | 27.294 | 8.946 | 0.0 | 187.703 | 2.312 | 0.0 | 74.77 | 2.843 | 0.0 | 1.891 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.05 | 0.0 |
| 31 | 3364 | 3365 | SN | 1 | 0.0 | 25.937 | 8.788 | 0.0 | 27.294 | 8.922 | 0.0 | 187.703 | 2.312 | 0.0 | 74.77 | 2.811 | 0.0 | 1.891 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.05 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 32 | 3364 | 3365 | NS | 1 | 0.0 | 24.851 | 9.684 | 0.0 | 24.817 | 9.534 | 0.0 | 344.382 | 3.223 | 0.0 | 74.866 | 3.331 | 0.0 | 1.897 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.036 | 0.0 |
| 33 | 3365 | 3366 | SN | 1 | 0.0 | 24.636 | 8.816 | 0.0 | 27.299 | 8.936 | 0.0 | 182.966 | 2.318 | 0.0 | 69.301 | 2.818 | 0.0 | 1.891 | 0.0 | 0.0 | 1.904 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.046 | 0.0 |
| 34 | 3365 | 3366 | NS | 1 | 0.0 | 24.84 | 9.692 | 0.0 | 24.801 | 9.548 | 0.0 | 317.209 | 3.214 | 0.0 | 67.013 | 3.33 | 0.0 | 1.896 | 0.0 | 0.0 | 1.902 | 0.0 | 0.0 | 2.043 | 0.0 | 0.0 | 2.051 | 0.0 |
| 35 | 3365 | 3366 | SN | 1 | 0.0 | 34.11 | 14.743 | 0.0 | 26.196 | 15.002 | 0.0 | 187.83 | 10.854 | 0.0 | 47.131 | 12.24 | 0.0 | 1.898 | 0.0 | 0.0 | 1.939 | 0.0 | 0.0 | 2.031 | 0.0 | 0.0 | 2.071 | 0.0 |
| 36 | 3365 | 3366 | SN | 1 | 0.0 | 24.636 | 8.81 | 0.0 | 27.299 | 8.962 | 0.0 | 182.966 | 2.318 | 0.0 | 69.301 | 2.85 | 0.0 | 1.891 | 0.0 | 0.0 | 1.904 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.046 | 0.0 |
| 37 | 3365 | 3366 | NS | 1 | 0.0 | 24.862 | 9.699 | 0.0 | 24.806 | 9.539 | 0.0 | 344.928 | 3.223 | 0.0 | 66.467 | 3.32 | 0.0 | 1.894 | 0.0 | 0.0 | 1.902 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.052 | 0.0 |
| 38 | 3365 | 3366 | NS | 1 | 0.0 | 26.737 | 14.539 | 0.0 | 33.393 | 15.625 | 0.0 | 355.417 | 12.231 | 0.0 | 96.584 | 12.852 | 0.0 | 1.903 | 0.0 | 0.0 | 1.92 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.056 | 0.0 |
| 39 | 3365 | 3366 | NS | 1 | 0.0 | 26.737 | 14.645 | 0.0 | 34.017 | 15.627 | 0.0 | 285.013 | 12.154 | 0.0 | 70.234 | 12.855 | 0.0 | 1.905 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.056 | 0.0 |
| 40 | 3365 | 3366 | SN | 1 | 0.0 | 34.11 | 14.739 | 0.0 | 26.196 | 14.957 | 0.0 | 187.83 | 10.854 | 0.0 | 47.131 | 12.135 | 0.0 | 1.898 | 0.0 | 0.0 | 1.939 | 0.0 | 0.0 | 2.031 | 0.0 | 0.0 | 2.071 | 0.0 |
| 41 | 3365 | 3366 | SN | 1 | 0.0 | 34.11 | 14.739 | 0.0 | 26.196 | 14.962 | 0.0 | 187.83 | 10.854 | 0.0 | 47.131 | 12.135 | 0.0 | 1.898 | 0.0 | 0.0 | 1.939 | 0.0 | 0.0 | 2.031 | 0.0 | 0.0 | 2.071 | 0.0 |
| 42 | 3365 | 3366 | SN | 1 | 0.0 | 24.636 | 8.816 | 0.0 | 27.299 | 8.936 | 0.0 | 182.966 | 2.318 | 0.0 | 69.301 | 2.818 | 0.0 | 1.891 | 0.0 | 0.0 | 1.904 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.046 | 0.0 |
| 43 | 3366 | 3367 | SN | 1 | 0.0 | 24.641 | 8.821 | 0.0 | 27.299 | 8.952 | 0.0 | 193.814 | 2.305 | 0.0 | 89.31 | 2.857 | 0.0 | 1.891 | 0.0 | 0.0 | 1.902 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.042 | 0.0 |
| 44 | 3366 | 3367 | SN | 1 | 0.0 | 34.066 | 14.833 | 0.0 | 26.202 | 14.914 | 0.0 | 166.63 | 10.857 | 0.0 | 29.66 | 12.03 | 0.0 | 1.898 | 0.0 | 0.0 | 1.911 | 0.0 | 0.0 | 2.031 | 0.0 | 0.0 | 2.071 | 0.0 |
| 45 | 3366 | 3367 | NS | 1 | 0.0 | 26.704 | 14.523 | 0.0 | 31.149 | 15.718 | 0.0 | 334.135 | 12.238 | 0.0 | 93.022 | 12.869 | 0.0 | 1.903 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.039 | 0.0 |
| 46 | 3366 | 3367 | NS | 1 | 0.0 | 26.704 | 14.523 | 0.0 | 31.149 | 15.718 | 0.0 | 334.135 | 12.238 | 0.0 | 93.022 | 12.869 | 0.0 | 1.903 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.039 | 0.0 |
| 47 | 3366 | 3367 | NS | 1 | 0.0 | 24.851 | 9.691 | 0.0 | 24.795 | 9.553 | 0.0 | 342.369 | 3.218 | 0.0 | 67.835 | 3.37 | 0.0 | 1.901 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.045 | 0.0 | 0.0 | 2.036 | 0.0 |
| 48 | 3366 | 3367 | SN | 1 | 0.0 | 34.066 | 14.82 | 0.0 | 26.202 | 14.971 | 0.0 | 166.63 | 10.832 | 0.0 | 39.261 | 12.19 | 0.0 | 1.898 | 0.0 | 0.0 | 1.911 | 0.0 | 0.0 | 2.031 | 0.0 | 0.0 | 2.071 | 0.0 |
| 49 | 3366 | 3367 | SN | 1 | 0.0 | 24.641 | 8.84 | 0.0 | 27.299 | 8.926 | 0.0 | 193.814 | 2.313 | 0.0 | 19.225 | 2.79 | 0.0 | 1.891 | 0.0 | 0.0 | 1.902 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.042 | 0.0 |
| 50 | 3366 | 3367 | NS | 1 | 0.0 | 24.851 | 9.691 | 0.0 | 24.795 | 9.553 | 0.0 | 342.369 | 3.218 | 0.0 | 67.835 | 3.37 | 0.0 | 1.901 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.045 | 0.0 | 0.0 | 2.036 | 0.0 |
| 51 | 3367 | 3368 | NS | 1 | 0.0 | 26.77 | 14.571 | 0.0 | 33.476 | 15.738 | 0.0 | 348.457 | 12.353 | 0.0 | 94.704 | 12.912 | 0.0 | 1.901 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.04 | 0.0 |
| 52 | 3367 | 3368 | SN | 1 | 0.0 | 25.915 | 8.829 | 0.0 | 27.299 | 8.899 | 0.0 | 221.074 | 2.287 | 0.0 | 84.633 | 2.831 | 0.0 | 1.891 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.045 | 0.0 |
| 53 | 3367 | 3368 | SN | 1 | 0.0 | 33.377 | 14.903 | 0.0 | 25.115 | 14.979 | 0.0 | 221.074 | 10.854 | 0.0 | 105.954 | 12.081 | 0.0 | 1.898 | 0.0 | 0.0 | 1.91 | 0.0 | 0.0 | 2.03 | 0.0 | 0.0 | 2.068 | 0.0 |
| 54 | 3367 | 3368 | SN | 1 | 0.0 | 33.377 | 14.909 | 0.0 | 25.115 | 15.04 | 0.0 | 221.074 | 10.854 | 0.0 | 105.954 | 12.191 | 0.0 | 1.898 | 0.0 | 0.0 | 1.91 | 0.0 | 0.0 | 2.03 | 0.0 | 0.0 | 2.068 | 0.0 |
| 55 | 3367 | 3368 | SN | 1 | 0.0 | 33.377 | 14.935 | 0.0 | 25.115 | 14.535 | 0.0 | 221.074 | 11.248 | 0.0 | 13.76 | 11.265 | 0.0 | 1.898 | 0.0 | 0.0 | 1.91 | 0.0 | 0.0 | 2.03 | 0.0 | 0.0 | 2.068 | 0.0 |
| 56 | 3367 | 3368 | NS | 1 | 0.0 | 26.77 | 14.571 | 0.0 | 33.476 | 15.738 | 0.0 | 348.457 | 12.353 | 0.0 | 94.704 | 12.912 | 0.0 | 1.901 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.04 | 0.0 |
| 57 | 3367 | 3368 | SN | 1 | 0.0 | 25.915 | 8.838 | 0.0 | 27.299 | 8.868 | 0.0 | 221.074 | 2.287 | 0.0 | 84.633 | 2.799 | 0.0 | 1.891 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.045 | 0.0 |
| 58 | 3367 | 3368 | NS | 1 | 0.0 | 24.845 | 9.707 | 0.0 | 24.812 | 9.523 | 0.0 | 348.485 | 3.288 | 0.0 | 72.224 | 3.385 | 0.0 | 1.899 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.045 | 0.0 | 0.0 | 2.038 | 0.0 |
| 59 | 3367 | 3368 | SN | 1 | 0.0 | 25.915 | 9.031 | 0.0 | 27.299 | 8.859 | 0.0 | 221.074 | 2.423 | 0.0 | 11.747 | 2.661 | 0.0 | 1.891 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.045 | 0.0 |
| 60 | 3367 | 3368 | NS | 1 | 0.0 | 24.845 | 9.707 | 0.0 | 24.812 | 9.523 | 0.0 | 348.485 | 3.288 | 0.0 | 72.224 | 3.385 | 0.0 | 1.899 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.045 | 0.0 | 0.0 | 2.038 | 0.0 |
| 61 | 3368 | 3369 | SN | 1 | 0.0 | 25.921 | 9.019 | 0.0 | 27.299 | 8.855 | 0.0 | 154.602 | 2.415 | 0.0 | 11.653 | 2.613 | 0.0 | 1.892 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.047 | 0.0 |
| 62 | 3368 | 3369 | NS | 1 | 0.0 | 26.483 | 14.48 | 0.0 | 30.592 | 15.748 | 0.0 | 349.075 | 12.416 | 0.0 | 75.241 | 12.947 | 0.0 | 1.907 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.043 | 0.0 |
| 63 | 3368 | 3369 | NS | 1 | 0.0 | 26.726 | 14.516 | 0.0 | 30.437 | 15.73 | 0.0 | 337.968 | 12.402 | 0.0 | 75.737 | 12.974 | 0.0 | 1.905 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.043 | 0.0 |
| 64 | 3368 | 3369 | SN | 1 | 0.0 | 33.327 | 14.935 | 0.0 | 26.185 | 14.519 | 0.0 | 160.42 | 11.157 | 0.0 | 13.787 | 11.264 | 0.0 | 1.897 | 0.0 | 0.0 | 1.94 | 0.0 | 0.0 | 2.031 | 0.0 | 0.0 | 2.071 | 0.0 |
| 65 | 3368 | 3369 | SN | 1 | 0.0 | 33.327 | 14.896 | 0.0 | 26.185 | 14.992 | 0.0 | 160.42 | 10.777 | 0.0 | 52.442 | 11.997 | 0.0 | 1.897 | 0.0 | 0.0 | 1.94 | 0.0 | 0.0 | 2.031 | 0.0 | 0.0 | 2.071 | 0.0 |
| 66 | 3368 | 3369 | SN | 1 | 0.0 | 25.921 | 8.831 | 0.0 | 27.299 | 8.868 | 0.0 | 154.602 | 2.278 | 0.0 | 87.962 | 2.758 | 0.0 | 1.892 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.047 | 0.0 |
| 67 | 3368 | 3369 | SN | 1 | 0.0 | 25.921 | 8.822 | 0.0 | 27.299 | 8.897 | 0.0 | 154.602 | 2.278 | 0.0 | 87.962 | 2.79 | 0.0 | 1.892 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.047 | 0.0 |
| 68 | 3368 | 3369 | SN | 1 | 0.0 | 33.327 | 14.902 | 0.0 | 26.185 | 15.053 | 0.0 | 160.42 | 10.777 | 0.0 | 52.442 | 12.107 | 0.0 | 1.897 | 0.0 | 0.0 | 1.94 | 0.0 | 0.0 | 2.031 | 0.0 | 0.0 | 2.071 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 69 | 3368 | 3369 | NS | 1 | 0.0 | 24.889 | 9.717 | 0.0 | 24.784 | 9.551 | 0.0 | 348.893 | 3.309 | 0.0 | 74.822 | 3.405 | 0.0 | 1.9 | 0.0 | 1.903 | 0.0 | 0.0 | 2.045 | 0.0 | 0.0 | 2.038 | 0.0 |
| 70 | 3368 | 3369 | NS | 1 | 0.0 | 24.873 | 9.727 | 0.0 | 24.79 | 9.553 | 0.0 | 340.477 | 3.31 | 0.0 | 117.536 | 3.42 | 0.0 | 1.9 | 0.0 | 1.9 | 0.0 | 0.0 | 2.045 | 0.0 | 0.0 | 2.036 | 0.0 |
| 71 | 3369 | 3370 | SN | 1 | 0.0 | 33.327 | 14.922 | 0.0 | 49.301 | 14.996 | 0.0 | 158.727 | 10.772 | 0.0 | 52.883 | 12.04 | 0.0 | 1.898 | 0.0 | 1.936 | 0.0 | 0.0 | 2.03 | 0.0 | 0.0 | 2.066 | 0.0 |
| 72 | 3369 | 3370 | NS | 1 | 0.0 | 26.731 | 14.47 | 0.0 | 31.292 | 15.728 | 0.0 | 349.373 | 12.379 | 0.0 | 76.554 | 12.983 | 0.0 | 1.901 | 0.0 | 1.915 | 0.0 | 0.0 | 2.05 | 0.0 | 0.0 | 2.041 | 0.0 |
| 73 | 3369 | 3370 | SN | 1 | 0.0 | 25.926 | 8.823 | 0.0 | 27.294 | 8.843 | 0.0 | 155.727 | 2.266 | 0.0 | 89.169 | 2.744 | 0.0 | 1.892 | 0.0 | 1.909 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.045 | 0.0 |
| 74 | 3369 | 3370 | NS | 1 | 0.0 | 24.856 | 9.705 | 0.0 | 24.801 | 9.541 | 0.0 | 343.433 | 3.343 | 0.0 | 73.498 | 3.413 | 0.0 | 1.904 | 0.0 | 1.9 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.036 | 0.0 |
| 75 | 3370 | 3371 | NS | 1 | 0.0 | 24.873 | 9.704 | 0.0 | 24.79 | 9.546 | 0.0 | 322.851 | 3.294 | 0.0 | 156.681 | 3.429 | 0.0 | 1.901 | 0.0 | 1.9 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.038 | 0.0 |
| 76 | 3370 | 3371 | SN | 1 | 0.0 | 33.305 | 14.951 | 0.0 | 26.174 | 15.011 | 0.0 | 157.238 | 10.774 | 0.0 | 56.088 | 12.081 | 0.0 | 1.898 | 0.0 | 1.928 | 0.0 | 0.0 | 2.03 | 0.0 | 0.0 | 2.069 | 0.0 |
| 77 | 3370 | 3371 | NS | 1 | 0.0 | 24.873 | 9.704 | 0.0 | 24.79 | 9.546 | 0.0 | 322.851 | 3.294 | 0.0 | 156.681 | 3.429 | 0.0 | 1.901 | 0.0 | 1.9 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.038 | 0.0 |
| 78 | 3370 | 3371 | SN | 1 | 0.0 | 25.932 | 8.829 | 0.0 | 34.234 | 8.818 | 0.0 | 158.672 | 2.279 | 0.0 | 63.185 | 2.703 | 0.0 | 1.891 | 0.0 | 1.905 | 0.0 | 0.0 | 2.026 | 0.0 | 0.0 | 2.048 | 0.0 |
| 79 | 3370 | 3371 | NS | 1 | 0.0 | 26.72 | 14.455 | 0.0 | 30.448 | 15.687 | 0.0 | 289.634 | 12.369 | 0.0 | 77.971 | 12.951 | 0.0 | 1.901 | 0.0 | 1.916 | 0.0 | 0.0 | 2.049 | 0.0 | 0.0 | 2.041 | 0.0 |
| 80 | 3370 | 3371 | NS | 1 | 0.0 | 26.72 | 14.455 | 0.0 | 30.448 | 15.687 | 0.0 | 289.634 | 12.369 | 0.0 | 77.971 | 12.951 | 0.0 | 1.901 | 0.0 | 1.916 | 0.0 | 0.0 | 2.049 | 0.0 | 0.0 | 2.041 | 0.0 |
| 81 | 3371 | 3372 | NS | 1 | 0.0 | 24.856 | 9.722 | 0.0 | 24.823 | 9.535 | 0.0 | 311.578 | 3.281 | 0.0 | 157.701 | 3.44 | 0.0 | 1.9 | 0.0 | 1.903 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.038 | 0.0 |
| 82 | 3371 | 3372 | NS | 1 | 0.0 | 26.709 | 14.425 | 0.0 | 33.311 | 15.701 | 0.0 | 355.185 | 12.393 | 0.0 | 79.118 | 13.044 | 0.0 | 1.908 | 0.0 | 1.918 | 0.0 | 0.0 | 2.049 | 0.0 | 0.0 | 2.041 | 0.0 |
| 83 | 3376 | 3377 | SN | 1 | 0.0 | 25.932 | 8.779 | 0.0 | 27.288 | 8.788 | 0.0 | 161.27 | 2.26 | 0.0 | 73.526 | 2.579 | 0.0 | 1.89 | 0.0 | 1.912 | 0.0 | 0.0 | 2.026 | 0.0 | 0.0 | 2.051 | 0.0 |
| 84 | 3376 | 3377 | SN | 1 | 0.0 | 32.202 | 15.006 | 0.0 | 25.077 | 14.658 | 0.0 | 165.158 | 11.07 | 0.0 | 15.403 | 11.457 | 0.0 | 1.898 | 0.0 | 1.929 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.07 | 0.0 |
| 85 | 3376 | 3377 | SN | 1 | 0.0 | 32.202 | 15.019 | 0.0 | 25.077 | 14.978 | 0.0 | 165.114 | 10.904 | 0.0 | 42.807 | 11.968 | 0.0 | 1.898 | 0.0 | 1.929 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.07 | 0.0 |
| 86 | 3376 | 3377 | NS | 1 | 0.0 | 24.895 | 9.709 | 0.0 | 24.806 | 9.574 | 0.0 | 355.434 | 3.463 | 0.0 | 82.852 | 3.519 | 0.0 | 1.901 | 0.0 | 1.903 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.04 | 0.0 |
| 87 | 3376 | 3377 | NS | 1 | 0.0 | 26.803 | 14.465 | 0.0 | 33.41 | 15.769 | 0.0 | 349.93 | 12.507 | 0.0 | 95.735 | 13.065 | 0.0 | 1.906 | 0.0 | 1.917 | 0.0 | 0.0 | 2.049 | 0.0 | 0.0 | 2.042 | 0.0 |
| 88 | 3376 | 3377 | SN | 1 | 0.0 | 32.202 | 15.035 | 0.0 | 25.077 | 15.003 | 0.0 | 165.158 | 10.926 | 0.0 | 42.796 | 12.05 | 0.0 | 1.898 | 0.0 | 1.929 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.07 | 0.0 |
| 89 | 3376 | 3377 | SN | 1 | 0.0 | 25.926 | 8.788 | 0.0 | 27.288 | 8.808 | 0.0 | 161.33 | 2.255 | 0.0 | 73.509 | 2.605 | 0.0 | 1.89 | 0.0 | 1.912 | 0.0 | 0.0 | 2.026 | 0.0 | 0.0 | 2.051 | 0.0 |
| 90 | 3376 | 3377 | NS | 1 | 0.0 | 26.803 | 14.494 | 0.0 | 33.41 | 15.769 | 0.0 | 349.924 | 12.479 | 0.0 | 95.718 | 13.065 | 0.0 | 1.906 | 0.0 | 1.917 | 0.0 | 0.0 | 2.049 | 0.0 | 0.0 | 2.042 | 0.0 |
| 91 | 3376 | 3377 | SN | 1 | 0.0 | 25.926 | 8.864 | 0.0 | 27.288 | 8.751 | 0.0 | 161.33 | 2.31 | 0.0 | 11.741 | 2.427 | 0.0 | 1.89 | 0.0 | 1.912 | 0.0 | 0.0 | 2.026 | 0.0 | 0.0 | 2.051 | 0.0 |
| 92 | 3376 | 3377 | NS | 1 | 0.0 | 24.895 | 9.713 | 0.0 | 24.806 | 9.58 | 0.0 | 355.434 | 3.456 | 0.0 | 82.835 | 3.517 | 0.0 | 1.901 | 0.0 | 1.902 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.04 | 0.0 |
| 93 | 3377 | 3378 | NS | 1 | 0.0 | 26.753 | 14.48 | 0.0 | 30.399 | 15.769 | 0.0 | 349.941 | 12.351 | 0.0 | 129.564 | 13.036 | 0.0 | 1.907 | 0.0 | 1.917 | 0.0 | 0.0 | 2.049 | 0.0 | 0.0 | 2.041 | 0.0 |
| 94 | 3377 | 3378 | SN | 1 | 0.0 | 25.921 | 8.82 | 0.0 | 27.288 | 8.753 | 0.0 | 160.023 | 2.296 | 0.0 | 12.707 | 2.489 | 0.0 | 1.924 | 0.0 | 1.903 | 0.0 | 0.0 | 2.041 | 0.0 | 0.0 | 2.051 | 0.0 |
| 95 | 3377 | 3378 | SN | 1 | 0.0 | 25.921 | 8.774 | 0.0 | 27.288 | 8.803 | 0.0 | 160.023 | 2.27 | 0.0 | 74.422 | 2.653 | 0.0 | 1.925 | 0.0 | 1.903 | 0.0 | 0.0 | 2.041 | 0.0 | 0.0 | 2.051 | 0.0 |
| 96 | 3377 | 3378 | NS | 1 | 0.0 | 24.878 | 9.71 | 0.0 | 24.801 | 9.58 | 0.0 | 353.443 | 3.409 | 0.0 | 83.911 | 3.429 | 0.0 | 1.901 | 0.0 | 1.903 | 0.0 | 0.0 | 2.051 | 0.0 | 0.0 | 2.037 | 0.0 |
| 97 | 3377 | 3378 | NS | 1 | 0.0 | 24.867 | 9.706 | 0.0 | 24.801 | 9.58 | 0.0 | 349.494 | 3.405 | 0.0 | 66.5 | 3.42 | 0.0 | 1.901 | 0.0 | 1.901 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.037 | 0.0 |
| 98 | 3377 | 3378 | SN | 1 | 0.0 | 30.608 | 14.934 | 0.0 | 26.058 | 14.776 | 0.0 | 164.248 | 10.955 | 0.0 | 17.444 | 11.746 | 0.0 | 1.897 | 0.0 | 1.924 | 0.0 | 0.0 | 2.028 | 0.0 | 0.0 | 2.073 | 0.0 |
| 99 | 3377 | 3378 | SN | 1 | 0.0 | 30.608 | 14.944 | 0.0 | 26.058 | 14.798 | 0.0 | 164.248 | 10.948 | 0.0 | 17.444 | 11.739 | 0.0 | 1.935 | 0.0 | 1.922 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.073 | 0.0 |
| 100 | 3377 | 3378 | SN | 1 | 0.0 | 30.244 | 14.929 | 0.0 | 26.058 | 14.97 | 0.0 | 164.248 | 10.868 | 0.0 | 40.64 | 12.077 | 0.0 | 1.935 | 0.0 | 1.922 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.073 | 0.0 |
| 101 | 3377 | 3378 | SN | 1 | 0.0 | 25.921 | 8.813 | 0.0 | 27.283 | 8.76 | 0.0 | 160.023 | 2.3 | 0.0 | 12.707 | 2.487 | 0.0 | 1.891 | 0.0 | 1.903 | 0.0 | 0.0 | 2.026 | 0.0 | 0.0 | 2.051 | 0.0 |
| 102 | 3377 | 3378 | NS | 1 | 0.0 | 26.737 | 14.407 | 0.0 | 30.658 | 15.737 | 0.0 | 342.567 | 12.266 | 0.0 | 96.568 | 13.088 | 0.0 | 1.902 | 0.0 | 1.917 | 0.0 | 0.0 | 2.049 | 0.0 | 0.0 | 2.041 | 0.0 |
| 103 | 3378 | 3379 | SN | 1 | 0.0 | 25.921 | 8.768 | 0.0 | 27.299 | 8.814 | 0.0 | 165.726 | 2.279 | 0.0 | 75.15 | 2.664 | 0.0 | 1.891 | 0.0 | 1.922 | 0.0 | 0.0 | 2.026 | 0.0 | 0.0 | 2.052 | 0.0 |
| 104 | 3378 | 3379 | SN | 1 | 0.0 | 25.921 | 8.761 | 0.0 | 27.299 | 8.836 | 0.0 | 165.726 | 2.279 | 0.0 | 75.15 | 2.694 | 0.0 | 1.891 | 0.0 | 1.922 | 0.0 | 0.0 | 2.026 | 0.0 | 0.0 | 2.052 | 0.0 |
| 105 | 3378 | 3379 | NS | 1 | 0.0 | 24.873 | 9.685 | 0.0 | 24.79 | 9.566 | 0.0 | 342.92 | 3.384 | 0.0 | 67.344 | 3.395 | 0.0 | 1.898 | 0.0 | 1.903 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.041 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 106 | 3378 | 3379 | SN | 1 | 0.0 | 34.248 | 14.891 | 0.0 | 25.937 | 14.868 | 0.0 | 161.192 | 10.725 | 0.0 | 46.701 | 11.943 | 0.0 | 1.896 | 0.0 | 0.0 | 1.92 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.07 | 0.0 |
| 107 | 3378 | 3379 | NS | 1 | 0.0 | 26.786 | 14.446 | 0.0 | 30.663 | 15.737 | 0.0 | 355.378 | 12.203 | 0.0 | 97.367 | 13.038 | 0.0 | 1.908 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.047 | 0.0 |
| 108 | 3378 | 3379 | SN | 1 | 0.0 | 25.921 | 8.809 | 0.0 | 27.299 | 8.789 | 0.0 | 165.726 | 2.306 | 0.0 | 11.896 | 2.523 | 0.0 | 1.891 | 0.0 | 0.0 | 1.922 | 0.0 | 0.0 | 2.026 | 0.0 | 0.0 | 2.052 | 0.0 |
| 109 | 3378 | 3379 | SN | 1 | 0.0 | 34.248 | 14.913 | 0.0 | 25.937 | 14.721 | 0.0 | 161.192 | 10.811 | 0.0 | 17.08 | 11.674 | 0.0 | 1.896 | 0.0 | 0.0 | 1.92 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.07 | 0.0 |
| 110 | 3378 | 3379 | NS | 1 | 0.0 | 24.873 | 9.685 | 0.0 | 24.79 | 9.566 | 0.0 | 342.92 | 3.384 | 0.0 | 67.344 | 3.395 | 0.0 | 1.898 | 0.0 | 0.0 | 1.903 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.041 | 0.0 |
| 111 | 3378 | 3379 | NS | 1 | 0.0 | 26.786 | 14.446 | 0.0 | 30.663 | 15.737 | 0.0 | 355.378 | 12.203 | 0.0 | 97.367 | 13.038 | 0.0 | 1.908 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.047 | 0.0 |
| 112 | 3378 | 3379 | SN | 1 | 0.0 | 34.248 | 14.897 | 0.0 | 25.937 | 14.916 | 0.0 | 161.192 | 10.725 | 0.0 | 46.701 | 12.054 | 0.0 | 1.896 | 0.0 | 0.0 | 1.92 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.07 | 0.0 |
| 113 | 3379 | 3380 | SN | 1 | 0.0 | 25.937 | 8.779 | 0.0 | 27.294 | 8.875 | 0.0 | 179.122 | 2.283 | 0.0 | 85.83 | 2.678 | 0.0 | 1.89 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.026 | 0.0 | 0.0 | 2.051 | 0.0 |
| 114 | 3379 | 3380 | SN | 1 | 0.0 | 34.154 | 14.933 | 0.0 | 26.069 | 14.895 | 0.0 | 192.479 | 10.762 | 0.0 | 47.214 | 12.177 | 0.0 | 1.897 | 0.0 | 0.0 | 1.941 | 0.0 | 0.0 | 2.03 | 0.0 | 0.0 | 2.073 | 0.0 |
| 115 | 3379 | 3380 | SN | 1 | 0.0 | 34.154 | 14.927 | 0.0 | 26.069 | 14.83 | 0.0 | 192.479 | 10.762 | 0.0 | 47.214 | 12.071 | 0.0 | 1.897 | 0.0 | 0.0 | 1.941 | 0.0 | 0.0 | 2.03 | 0.0 | 0.0 | 2.073 | 0.0 |
| 116 | 3379 | 3380 | SN | 1 | 0.0 | 34.154 | 14.927 | 0.0 | 26.069 | 14.835 | 0.0 | 192.479 | 10.762 | 0.0 | 47.214 | 12.071 | 0.0 | 1.897 | 0.0 | 0.0 | 1.941 | 0.0 | 0.0 | 2.03 | 0.0 | 0.0 | 2.073 | 0.0 |
| 117 | 3379 | 3380 | NS | 1 | 0.0 | 26.792 | 14.485 | 0.0 | 30.641 | 15.776 | 0.0 | 355.434 | 12.266 | 0.0 | 98.244 | 13.065 | 0.0 | 1.901 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.048 | 0.0 | 0.0 | 2.043 | 0.0 |
| 118 | 3379 | 3380 | NS | 1 | 0.0 | 26.792 | 14.481 | 0.0 | 33.421 | 15.747 | 0.0 | 333.892 | 12.26 | 0.0 | 72.087 | 12.954 | 0.0 | 1.901 | 0.0 | 0.0 | 1.92 | 0.0 | 0.0 | 2.049 | 0.0 | 0.0 | 2.043 | 0.0 |
| 119 | 3379 | 3380 | SN | 1 | 0.0 | 25.937 | 8.772 | 0.0 | 27.294 | 8.898 | 0.0 | 179.122 | 2.283 | 0.0 | 85.83 | 2.708 | 0.0 | 1.89 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.026 | 0.0 | 0.0 | 2.051 | 0.0 |
| 120 | 3379 | 3380 | SN | 1 | 0.0 | 25.937 | 8.779 | 0.0 | 27.294 | 8.875 | 0.0 | 179.122 | 2.283 | 0.0 | 85.83 | 2.678 | 0.0 | 1.89 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.026 | 0.0 | 0.0 | 2.051 | 0.0 |
| 121 | 3379 | 3380 | NS | 1 | 0.0 | 24.889 | 9.691 | 0.0 | 24.801 | 9.575 | 0.0 | 333.445 | 3.393 | 0.0 | 68.353 | 3.393 | 0.0 | 1.901 | 0.0 | 0.0 | 1.902 | 0.0 | 0.0 | 2.045 | 0.0 | 0.0 | 2.037 | 0.0 |
| 122 | 3379 | 3380 | NS | 1 | 0.0 | 24.873 | 9.68 | 0.0 | 24.823 | 9.575 | 0.0 | 318.152 | 3.381 | 0.0 | 143.815 | 3.374 | 0.0 | 1.903 | 0.0 | 0.0 | 1.902 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.037 | 0.0 |
| 123 | 3380 | 3381 | SN | 1 | 0.0 | 34.094 | 14.952 | 0.0 | 26.196 | 14.848 | 0.0 | 225.718 | 10.74 | 0.0 | 53.143 | 11.993 | 0.0 | 1.898 | 0.0 | 0.0 | 1.938 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.071 | 0.0 |
| 124 | 3380 | 3381 | SN | 1 | 0.0 | 34.094 | 14.955 | 0.0 | 26.196 | 14.895 | 0.0 | 225.718 | 10.74 | 0.0 | 53.126 | 12.096 | 0.0 | 1.898 | 0.0 | 0.0 | 1.938 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.071 | 0.0 |
| 125 | 3380 | 3381 | NS | 1 | 0.0 | 24.867 | 9.689 | 0.0 | 24.79 | 9.565 | 0.0 | 345.595 | 3.395 | 0.0 | 146.28 | 3.413 | 0.0 | 1.901 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.038 | 0.0 |
| 126 | 3380 | 3381 | NS | 1 | 0.0 | 24.867 | 9.689 | 0.0 | 24.79 | 9.565 | 0.0 | 345.595 | 3.395 | 0.0 | 146.28 | 3.413 | 0.0 | 1.901 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.044 | 0.0 | 0.0 | 2.038 | 0.0 |
| 127 | 3380 | 3381 | SN | 1 | 0.0 | 25.937 | 8.778 | 0.0 | 27.288 | 8.852 | 0.0 | 170.8 | 2.267 | 0.0 | 90.225 | 2.676 | 0.0 | 1.89 | 0.0 | 0.0 | 1.91 | 0.0 | 0.0 | 2.026 | 0.0 | 0.0 | 2.047 | 0.0 |
| 128 | 3380 | 3381 | NS | 1 | 0.0 | 26.781 | 14.501 | 0.0 | 33.388 | 15.737 | 0.0 | 290.23 | 12.331 | 0.0 | 94.781 | 12.997 | 0.0 | 1.902 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.048 | 0.0 | 0.0 | 2.041 | 0.0 |
| 129 | 3380 | 3381 | SN | 1 | 0.0 | 34.094 | 14.92 | 0.0 | 26.196 | 14.508 | 0.0 | 225.718 | 10.937 | 0.0 | 15.409 | 11.44 | 0.0 | 1.898 | 0.0 | 0.0 | 1.938 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.071 | 0.0 |
| 130 | 3380 | 3381 | NS | 1 | 0.0 | 26.781 | 14.501 | 0.0 | 33.388 | 15.737 | 0.0 | 290.23 | 12.331 | 0.0 | 94.781 | 12.997 | 0.0 | 1.902 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.048 | 0.0 | 0.0 | 2.041 | 0.0 |
| 131 | 3380 | 3381 | SN | 1 | 0.0 | 25.937 | 8.889 | 0.0 | 27.288 | 8.805 | 0.0 | 170.8 | 2.334 | 0.0 | 11.708 | 2.508 | 0.0 | 1.89 | 0.0 | 0.0 | 1.91 | 0.0 | 0.0 | 2.026 | 0.0 | 0.0 | 2.047 | 0.0 |
| 132 | 3380 | 3381 | SN | 1 | 0.0 | 25.937 | 8.785 | 0.0 | 27.288 | 8.827 | 0.0 | 170.8 | 2.267 | 0.0 | 90.27 | 2.644 | 0.0 | 1.89 | 0.0 | 0.0 | 1.91 | 0.0 | 0.0 | 2.026 | 0.0 | 0.0 | 2.047 | 0.0 |
| 133 | 3381 | 3382 | NS | 1 | 0.0 | 24.867 | 9.704 | 0.0 | 24.79 | 9.582 | 0.0 | 322.851 | 3.433 | 0.0 | 74.375 | 3.414 | 0.0 | 1.9 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.038 | 0.0 |
| 134 | 3381 | 3382 | SN | 1 | 0.0 | 33.454 | 14.962 | 0.0 | 151.194 | 14.79 | 0.0 | 176.976 | 10.884 | 0.0 | 17.995 | 11.786 | 0.0 | 1.898 | 0.0 | 0.0 | 1.938 | 0.0 | 0.0 | 2.03 | 0.0 | 0.0 | 2.068 | 0.0 |
| 135 | 3381 | 3382 | SN | 1 | 0.0 | 25.92 | 8.781 | 0.0 | 79.987 | 8.832 | 0.0 | 166.663 | 2.232 | 0.0 | 77.695 | 2.673 | 0.0 | 1.89 | 0.0 | 0.0 | 1.923 | 0.0 | 0.0 | 2.023 | 0.0 | 0.0 | 2.045 | 0.0 |
| 136 | 3381 | 3382 | SN | 1 | 0.0 | 33.448 | 14.913 | 0.0 | 105.83 | 14.903 | 0.0 | 176.822 | 10.776 | 0.0 | 37.69 | 12.049 | 0.0 | 1.897 | 0.0 | 0.0 | 1.938 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.069 | 0.0 |
| 137 | 3381 | 3382 | SN | 1 | 0.0 | 25.92 | 8.799 | 0.0 | 141.485 | 8.821 | 0.0 | 166.823 | 2.267 | 0.0 | 12.684 | 2.551 | 0.0 | 1.89 | 0.0 | 0.0 | 1.923 | 0.0 | 0.0 | 2.023 | 0.0 | 0.0 | 2.045 | 0.0 |
| 138 | 3381 | 3382 | NS | 1 | 0.0 | 26.786 | 14.458 | 0.0 | 33.355 | 15.747 | 0.0 | 348.722 | 12.395 | 0.0 | 74.778 | 13.068 | 0.0 | 1.908 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.048 | 0.0 | 0.0 | 2.04 | 0.0 |
| 139 | 3381 | 3382 | NS | 1 | 0.0 | 26.786 | 14.468 | 0.0 | 33.349 | 15.747 | 0.0 | 348.744 | 12.402 | 0.0 | 74.794 | 13.054 | 0.0 | 1.908 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.04 | 0.0 |
| 140 | 3381 | 3382 | SN | 1 | 0.0 | 25.92 | 8.75 | 0.0 | 141.485 | 8.868 | 0.0 | 166.823 | 2.241 | 0.0 | 77.706 | 2.709 | 0.0 | 1.89 | 0.0 | 0.0 | 1.923 | 0.0 | 0.0 | 2.023 | 0.0 | 0.0 | 2.045 | 0.0 |
| 141 | 3381 | 3382 | SN | 1 | 0.0 | 33.454 | 14.936 | 0.0 | 151.194 | 14.953 | 0.0 | 176.976 | 10.798 | 0.0 | 34.833 | 12.136 | 0.0 | 1.898 | 0.0 | 0.0 | 1.938 | 0.0 | 0.0 | 2.03 | 0.0 | 0.0 | 2.068 | 0.0 |
| 142 | 3381 | 3382 | NS | 1 | 0.0 | 24.867 | 9.695 | 0.0 | 24.806 | 9.584 | 0.0 | 322.906 | 3.428 | 0.0 | 74.392 | 3.414 | 0.0 | 1.9 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.046 | 0.0 | 0.0 | 2.038 | 0.0 |

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

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|-----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 143 | 3382 | 3383 | SN | 1 | 0.0 | 33.388 | 14.921 | 0.0 | 26.191 | 14.946 | 0.0 | 158.54 | 10.772 | 0.0 | 55.426 | 12.012 | 0.0 | 1.898 | 0.0 | 0.0 | 1.919 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.071 | 0.0 |
| 144 | 3382 | 3383 | NS | 1 | 0.0 | 24.895 | 9.717 | 0.0 | 24.812 | 9.575 | 0.0 | 347.685 | 3.458 | 0.0 | 73.763 | 3.449 | 0.0 | 1.903 | 0.0 | 0.0 | 1.903 | 0.0 | 0.0 | 2.048 | 0.0 | 0.0 | 2.039 | 0.0 |
| 145 | 3382 | 3383 | NS | 1 | 0.0 | 26.764 | 14.47 | 0.0 | 33.327 | 15.747 | 0.0 | 349.251 | 12.451 | 0.0 | 76.774 | 13.09 | 0.0 | 1.911 | 0.0 | 0.0 | 1.919 | 0.0 | 0.0 | 2.048 | 0.0 | 0.0 | 2.043 | 0.0 |
| 146 | 3382 | 3383 | NS | 1 | 0.0 | 26.764 | 14.48 | 0.0 | 33.327 | 15.757 | 0.0 | 349.268 | 12.423 | 0.0 | 76.752 | 13.061 | 0.0 | 1.911 | 0.0 | 0.0 | 1.919 | 0.0 | 0.0 | 2.048 | 0.0 | 0.0 | 2.043 | 0.0 |
| 147 | 3382 | 3383 | SN | 1 | 0.0 | 33.388 | 14.927 | 0.0 | 26.191 | 15.006 | 0.0 | 158.54 | 10.772 | 0.0 | 55.426 | 12.122 | 0.0 | 1.898 | 0.0 | 0.0 | 1.919 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.071 | 0.0 |
| 148 | 3382 | 3383 | NS | 1 | 0.0 | 24.895 | 9.722 | 0.0 | 24.801 | 9.571 | 0.0 | 347.713 | 3.456 | 0.0 | 73.752 | 3.433 | 0.0 | 1.903 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.048 | 0.0 | 0.0 | 2.039 | 0.0 |
| 149 | 3382 | 3383 | SN | 1 | 0.0 | 25.932 | 8.758 | 0.0 | 27.288 | 8.842 | 0.0 | 155.297 | 2.214 | 0.0 | 83.312 | 2.635 | 0.0 | 1.891 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.024 | 0.0 | 0.0 | 2.044 | 0.0 |
| 150 | 3382 | 3383 | SN | 1 | 0.0 | 25.932 | 8.767 | 0.0 | 27.288 | 8.814 | 0.0 | 155.297 | 2.214 | 0.0 | 83.312 | 2.608 | 0.0 | 1.891 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.024 | 0.0 | 0.0 | 2.044 | 0.0 |
| 151 | 3382 | 3383 | SN | 1 | 0.0 | 33.388 | 14.928 | 0.0 | 26.191 | 14.509 | 0.0 | 158.54 | 11.005 | 0.0 | 14.609 | 11.344 | 0.0 | 1.898 | 0.0 | 0.0 | 1.919 | 0.0 | 0.0 | 2.029 | 0.0 | 0.0 | 2.071 | 0.0 |
| 152 | 3382 | 3383 | SN | 1 | 0.0 | 25.932 | 8.91 | 0.0 | 27.288 | 8.78 | 0.0 | 155.297 | 2.299 | 0.0 | 11.708 | 2.462 | 0.0 | 1.891 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.024 | 0.0 | 0.0 | 2.044 | 0.0 |
| 153 | 3383 | 3384 | SN | 1 | 0.0 | 25.915 | 8.77 | 0.0 | 27.294 | 8.78 | 0.0 | 150.251 | 2.194 | 0.0 | 62.97 | 2.585 | 0.0 | 1.893 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.025 | 0.0 | 0.0 | 2.04 | 0.0 |
| 154 | 3383 | 3384 | SN | 1 | 0.0 | 25.915 | 9.009 | 0.0 | 27.294 | 8.758 | 0.0 | 150.251 | 2.381 | 0.0 | 11.653 | 2.449 | 0.0 | 1.893 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.025 | 0.0 | 0.0 | 2.04 | 0.0 |
| 155 | 3383 | 3384 | SN | 1 | 0.0 | 34.204 | 15.023 | 0.0 | 26.058 | 14.372 | 0.0 | 156.234 | 11.612 | 0.0 | 13.148 | 11.113 | 0.0 | 1.898 | 0.0 | 0.0 | 1.914 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.072 | 0.0 |
| 156 | 3383 | 3384 | SN | 1 | 0.0 | 25.915 | 8.779 | 0.0 | 27.294 | 8.757 | 0.0 | 150.251 | 2.194 | 0.0 | 62.97 | 2.556 | 0.0 | 1.893 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.025 | 0.0 | 0.0 | 2.04 | 0.0 |
| 157 | 3383 | 3384 | NS | 1 | 0.0 | 24.889 | 9.706 | 0.0 | 24.795 | 9.609 | 0.0 | 349.02 | 3.472 | 0.0 | 73.747 | 3.447 | 0.0 | 1.896 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.039 | 0.0 |
| 158 | 3383 | 3384 | NS | 1 | 0.0 | 24.884 | 9.695 | 0.0 | 24.801 | 9.595 | 0.0 | 340.074 | 3.464 | 0.0 | 167.082 | 3.45 | 0.0 | 1.901 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.047 | 0.0 | 0.0 | 2.039 | 0.0 |
| 159 | 3383 | 3384 | NS | 1 | 0.0 | 26.792 | 14.478 | 0.0 | 33.322 | 15.797 | 0.0 | 349.847 | 12.401 | 0.0 | 79.741 | 13.097 | 0.0 | 1.906 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.05 | 0.0 | 0.0 | 2.044 | 0.0 |
| 160 | 3383 | 3384 | NS | 1 | 0.0 | 26.786 | 14.545 | 0.0 | 30.459 | 15.811 | 0.0 | 287.064 | 12.417 | 0.0 | 82.714 | 13.124 | 0.0 | 1.903 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.05 | 0.0 | 0.0 | 2.044 | 0.0 |
| 161 | 3383 | 3384 | SN | 1 | 0.0 | 34.204 | 14.908 | 0.0 | 26.058 | 14.884 | 0.0 | 156.234 | 10.944 | 0.0 | 55.966 | 12.041 | 0.0 | 1.898 | 0.0 | 0.0 | 1.914 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.072 | 0.0 |
| 162 | 3383 | 3384 | SN | 1 | 0.0 | 33.322 | 14.914 | 0.0 | 26.058 | 14.943 | 0.0 | 156.234 | 10.944 | 0.0 | 55.966 | 12.151 | 0.0 | 1.898 | 0.0 | 0.0 | 1.914 | 0.0 | 0.0 | 2.027 | 0.0 | 0.0 | 2.072 | 0.0 |
| 163 | 3384 | 3385 | NS | 1 | 0.0 | 73.956 | 9.694 | 0.0 | 24.801 | 9.592 | 0.0 | 340.532 | 3.459 | 0.0 | 69.638 | 3.433 | 0.0 | 1.907 | 0.0 | 0.0 | 1.902 | 0.0 | 0.0 | 2.045 | 0.0 | 0.0 | 2.039 | 0.0 |
| 164 | 3384 | 3385 | NS | 1 | 0.0 | 33.744 | 14.496 | 0.0 | 30.481 | 15.745 | 0.0 | 82.971 | 12.362 | 0.0 | 80.922 | 13.095 | 0.0 | 1.906 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.048 | 0.0 | 0.0 | 2.041 | 0.0 |

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