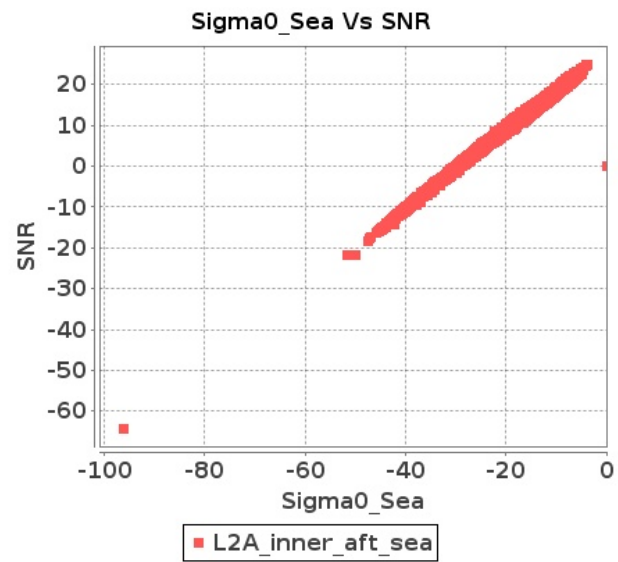


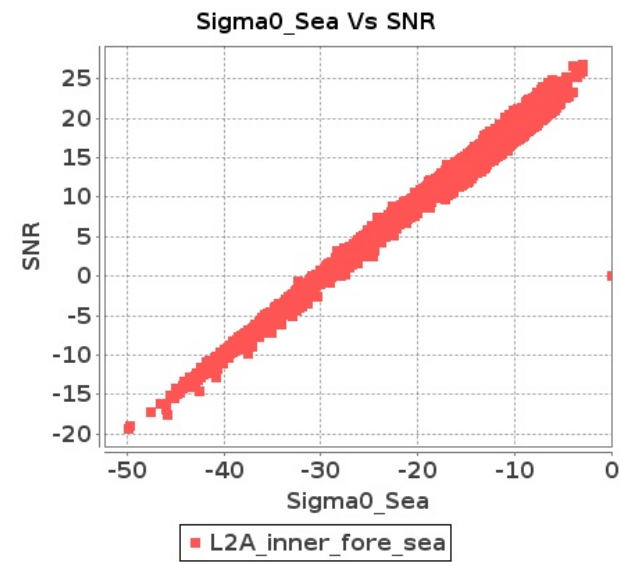
SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 25-OCT-2019 To 26-OCT-2019

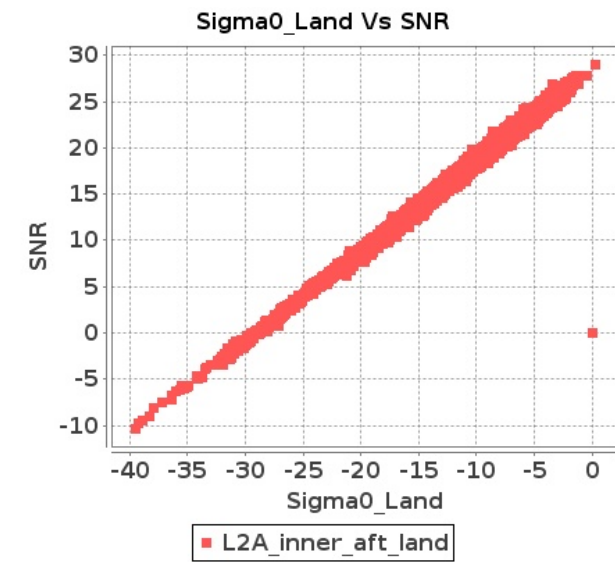
Inner Sea Aft Sigma0VsSNR



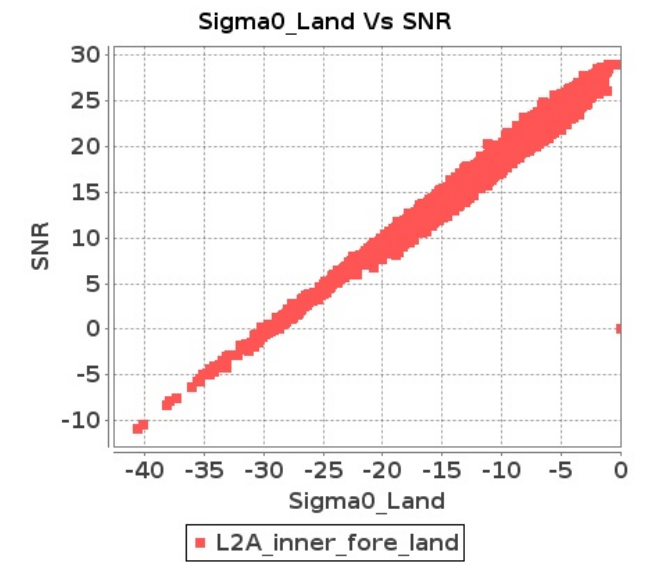
Inner Sea Fore Sigma0VsSNR



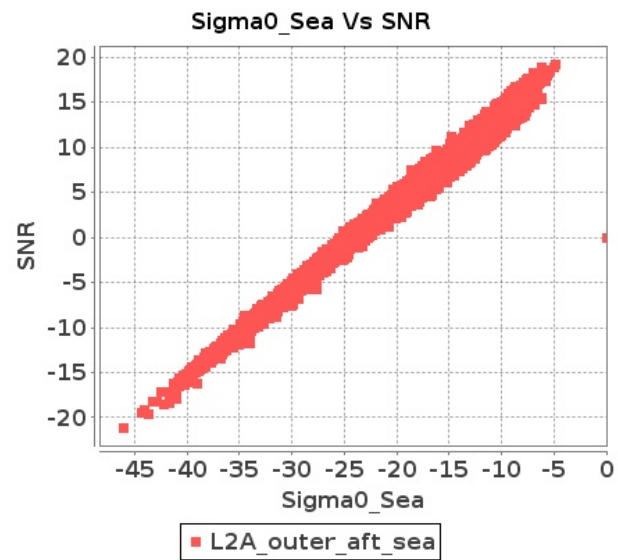
Inner Land Aft Sigma0VsSNR



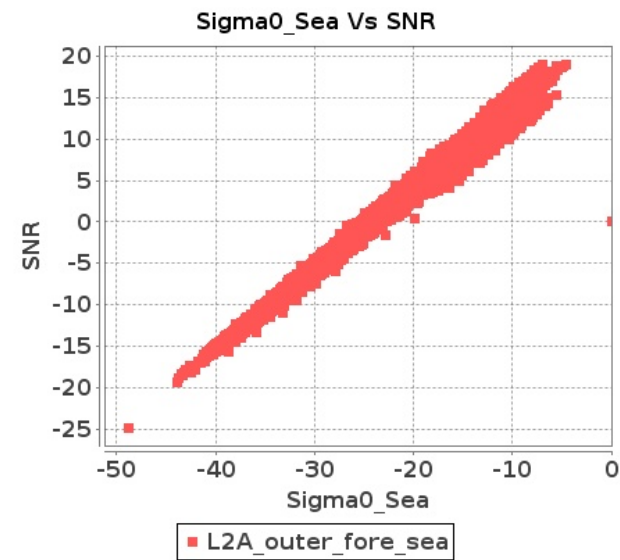
Inner Land Fore Sigma0VsSNR



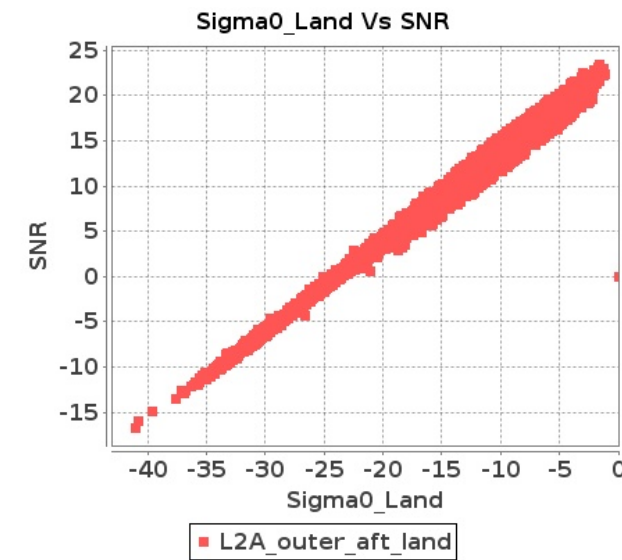
Outer Sea Aft Sigma0VsSNR



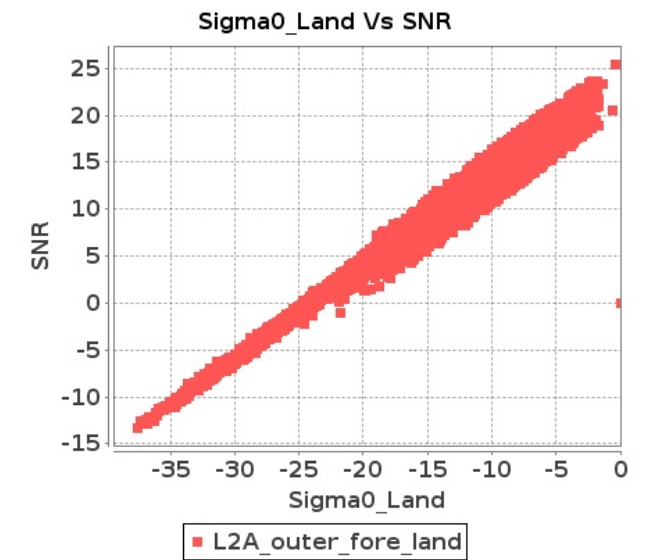
Outer Sea Fore Sigma0VsSNR



Outer Land Aft Sigma0VsSNR



Outer Land Fore Sigma0VsSNR



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

Report between 25-OCT-2019 To 26-OCT-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 | 16295 | 16296 | NS | 1 | 0.0 | 46.917 | 1.807 | 0.0 | 55.014 | 2.427 | 0.0 | 41.573 | 1.762 | 0.0 | 45.644 | 2.209 | 0.0 | 46.838 | 1.784 | 0.0 | 53.753 | 2.289 | 0.0 | 41.348 | 1.662 | 0.0 | 46.555 | 1.844 |
| 2 | 16295 | 16296 | NS | 1 | 0.0 | 45.963 | 1.787 | 0.0 | 48.367 | 2.407 | 0.0 | 46.034 | 1.737 | 0.0 | 45.644 | 2.222 | 0.0 | 45.84 | 1.78 | 0.0 | 48.991 | 2.274 | 0.0 | 43.238 | 1.659 | 0.0 | 46.555 | 1.869 |
| 3 | 16295 | 16296 | SN | 1 | 0.0 | 47.055 | 1.183 | 0.0 | 47.641 | 1.43 | 0.0 | 48.379 | 0.944 | 0.0 | 40.19 | 1.274 | 0.0 | 47.833 | 1.146 | 0.0 | 47.147 | 1.347 | 0.0 | 48.728 | 0.916 | 0.0 | 37.458 | 1.094 |
| 4 | 16295 | 16296 | NS | 1 | 0.0 | 53.913 | 7.496 | 0.0 | 50.644 | 9.171 | 0.0 | 50.933 | 5.993 | 0.0 | 45.705 | 7.222 | 0.0 | 54.352 | 7.476 | 0.0 | 51.616 | 8.623 | 0.0 | 48.593 | 5.822 | 0.0 | 46.427 | 6.468 |
| 5 | 16295 | 16296 | NS | 1 | 0.0 | 53.976 | 7.486 | 0.0 | 57.247 | 9.222 | 0.0 | 43.044 | 6.014 | 0.0 | 48.17 | 7.236 | 0.0 | 54.231 | 7.425 | 0.0 | 54.384 | 8.654 | 0.0 | 44.547 | 5.822 | 0.0 | 49.475 | 6.411 |
| 6 | 16295 | 16296 | SN | 1 | 0.0 | 51.642 | 4.732 | 0.0 | 46.274 | 5.142 | 0.0 | 43.093 | 3.462 | 0.0 | 49.445 | 4.28 | 0.0 | 52.159 | 4.784 | 0.0 | 46.553 | 4.643 | 0.0 | 42.466 | 3.251 | 0.0 | 46.187 | 3.844 |
| 7 | 16295 | 16296 | SN | 1 | 0.0 | 47.055 | 1.164 | 0.0 | 47.641 | 1.413 | 0.0 | 48.379 | 0.967 | 0.0 | 39.77 | 1.266 | 0.0 | 47.833 | 1.13 | 0.0 | 47.147 | 1.33 | 0.0 | 48.728 | 0.94 | 0.0 | 38.23 | 1.069 |
| 8 | 16295 | 16296 | SN | 1 | 0.0 | 51.642 | 4.751 | 0.0 | 46.274 | 5.207 | 0.0 | 43.093 | 3.533 | 0.0 | 49.445 | 4.317 | 0.0 | 52.159 | 4.791 | 0.0 | 46.553 | 4.618 | 0.0 | 42.011 | 3.335 | 0.0 | 46.187 | 3.869 |
| 9 | 16296 | 16297 | SN | 1 | 0.0 | 39.411 | 1.238 | 0.0 | 41.862 | 1.564 | 0.0 | 39.198 | 1.529 | 0.0 | 42.1 | 2.025 | 0.0 | 42.0 | 1.277 | 0.0 | 39.864 | 1.558 | 0.0 | 38.41 | 1.573 | 0.0 | 40.113 | 2.048 |
| 10 | 16296 | 16297 | SN | 1 | 0.0 | 44.472 | 4.833 | 0.0 | 52.869 | 5.284 | 0.0 | 42.996 | 4.687 | 0.0 | 44.922 | 5.497 | 0.0 | 45.484 | 5.028 | 0.0 | 53.418 | 5.212 | 0.0 | 41.143 | 5.047 | 0.0 | 46.213 | 5.728 |
| 11 | 16296 | 16297 | SN | 1 | 0.0 | 39.411 | 1.238 | 0.0 | 41.862 | 1.564 | 0.0 | 39.198 | 1.529 | 0.0 | 42.1 | 2.025 | 0.0 | 42.0 | 1.277 | 0.0 | 39.864 | 1.558 | 0.0 | 38.41 | 1.573 | 0.0 | 40.113 | 2.048 |
| 12 | 16296 | 16297 | NS | 1 | 0.0 | 53.07 | 4.271 | 0.0 | 51.781 | 5.488 | 0.0 | 46.334 | 3.896 | 0.0 | 48.913 | 4.663 | 0.0 | 53.46 | 4.321 | 0.0 | 53.106 | 5.428 | 0.0 | 46.909 | 3.896 | 0.0 | 48.627 | 4.414 |
| 13 | 16296 | 16297 | NS | 1 | 0.0 | 49.572 | 1.261 | 0.0 | 48.993 | 1.593 | 0.0 | 38.397 | 1.137 | 0.0 | 42.109 | 1.542 | 0.0 | 50.891 | 1.297 | 0.0 | 51.027 | 1.514 | 0.0 | 38.994 | 1.043 | 0.0 | 42.617 | 1.393 |
| 14 | 16296 | 16297 | SN | 1 | 0.0 | 44.472 | 4.833 | 0.0 | 52.869 | 5.284 | 0.0 | 42.996 | 4.687 | 0.0 | 44.922 | 5.497 | 0.0 | 45.484 | 5.028 | 0.0 | 53.418 | 5.212 | 0.0 | 41.143 | 5.047 | 0.0 | 46.213 | 5.728 |
| 15 | 16296 | 16297 | NS | 1 | 0.0 | 46.382 | 1.265 | 0.0 | 48.379 | 1.596 | 0.0 | 43.828 | 1.121 | 0.0 | 41.715 | 1.532 | 0.0 | 46.322 | 1.279 | 0.0 | 48.38 | 1.494 | 0.0 | 41.018 | 1.022 | 0.0 | 42.22 | 1.381 |
| 16 | 16296 | 16297 | NS | 1 | 0.0 | 54.768 | 4.321 | 0.0 | 50.523 | 5.488 | 0.0 | 43.921 | 3.86 | 0.0 | 48.345 | 4.62 | 0.0 | 54.622 | 4.392 | 0.0 | 51.847 | 5.417 | 0.0 | 44.495 | 3.811 | 0.0 | 48.059 | 4.4 |
| 17 | 16296 | 16297 | SN | 1 | 0.0 | 39.411 | 1.235 | 0.0 | 41.862 | 1.549 | 0.0 | 39.179 | 1.533 | 0.0 | 42.1 | 1.991 | 0.0 | 42.0 | 1.275 | 0.0 | 39.864 | 1.54 | 0.0 | 37.57 | 1.576 | 0.0 | 40.113 | 2.019 |
| 18 | 16296 | 16297 | SN | 1 | 0.0 | 44.472 | 4.824 | 0.0 | 52.869 | 5.268 | 0.0 | 42.996 | 4.716 | 0.0 | 44.922 | 5.484 | 0.0 | 45.484 | 5.007 | 0.0 | 53.418 | 5.187 | 0.0 | 41.011 | 5.085 | 0.0 | 46.213 | 5.704 |
| 19 | 16297 | 16298 | SN | 1 | 0.0 | 35.808 | 0.806 | 0.0 | 37.414 | 1.184 | 0.0 | 37.821 | 1.301 | 0.0 | 39.176 | 1.805 | 0.0 | 35.386 | 0.765 | 0.0 | 37.297 | 1.028 | 0.0 | 38.795 | 1.22 | 0.0 | 37.942 | 1.353 |
| 20 | 16297 | 16298 | SN | 1 | 0.0 | 47.781 | 2.685 | 0.0 | 39.334 | 3.454 | 0.0 | 40.428 | 3.598 | 0.0 | 41.631 | 4.928 | 0.0 | 46.009 | 2.541 | 0.0 | 39.28 | 3.186 | 0.0 | 40.934 | 3.432 | 0.0 | 43.181 | 4.025 |
| 21 | 16297 | 16298 | NS | 1 | 0.0 | 43.288 | 1.835 | 0.0 | 45.449 | 2.688 | 0.0 | 40.254 | 2.41 | 0.0 | 41.395 | 3.483 | 0.0 | 43.493 | 1.785 | 0.0 | 44.623 | 2.323 | 0.0 | 38.991 | 2.104 | 0.0 | 39.107 | 3.192 |
| 22 | 16297 | 16298 | SN | 1 | 0.0 | 35.808 | 0.794 | 0.0 | 37.799 | 1.174 | 0.0 | 39.184 | 1.292 | 0.0 | 39.176 | 1.783 | 0.0 | 35.386 | 0.754 | 0.0 | 37.297 | 1.02 | 0.0 | 38.795 | 1.21 | 0.0 | 37.942 | 1.338 |
| 23 | 16297 | 16298 | SN | 1 | 0.0 | 47.781 | 2.644 | 0.0 | 39.334 | 3.463 | 0.0 | 40.428 | 3.614 | 0.0 | 41.631 | 4.902 | 0.0 | 46.009 | 2.513 | 0.0 | 39.28 | 3.188 | 0.0 | 40.934 | 3.436 | 0.0 | 43.181 | 3.999 |
| 24 | 16297 | 16298 | SN | 1 | 0.0 | 39.967 | 2.594 | 0.0 | 42.88 | 3.422 | 0.0 | 42.235 | 3.521 | 0.0 | 41.336 | 4.895 | 0.0 | 38.196 | 2.421 | 0.0 | 42.036 | 3.178 | 0.0 | 41.079 | 3.394 | 0.0 | 42.346 | 3.977 |
| 25 | 16297 | 16298 | SN | 1 | 0.0 | 42.553 | 0.787 | 0.0 | 38.822 | 1.187 | 0.0 | 42.59 | 1.258 | 0.0 | 38.946 | 1.775 | 0.0 | 40.343 | 0.767 | 0.0 | 37.868 | 1.018 | 0.0 | 44.432 | 1.196 | 0.0 | 37.465 | 1.362 |
| 26 | 16297 | 16298 | NS | 1 | 0.0 | 39.51 | 0.599 | 0.0 | 43.443 | 0.881 | 0.0 | 35.115 | 0.765 | 0.0 | 45.152 | 1.272 | 0.0 | 40.518 | 0.585 | 0.0 | 45.696 | 0.798 | 0.0 | 34.952 | 0.708 | 0.0 | 41.16 | 1.01 |
| 27 | 16298 | 16299 | NS | 1 | 0.0 | 48.712 | 1.429 | 0.0 | 47.086 | 1.902 | 0.0 | 36.348 | 1.277 | 0.0 | 47.303 | 1.643 | 0.0 | 47.996 | 1.472 | 0.0 | 46.352 | 1.898 | 0.0 | 35.945 | 1.266 | 0.0 | 47.029 | 1.634 |
| 28 | 16298 | 16299 | NS | 1 | 0.0 | 49.419 | 5.922 | 0.0 | 49.846 | 7.211 | 0.0 | 49.951 | 4.556 | 0.0 | 47.629 | 5.381 | 0.0 | 50.014 | 6.054 | 0.0 | 49.828 | 7.272 | 0.0 | 47.747 | 4.691 | 0.0 | 48.82 | 5.211 |
| 29 | 16298 | 16299 | SN | 1 | 0.0 | 43.642 | 1.467 | 0.0 | 41.894 | 1.956 | 0.0 | 36.367 | 1.586 | 0.0 | 39.062 | 2.14 | 0.0 | 46.335 | 1.465 | 0.0 | 40.659 | 1.814 | 0.0 | 35.224 | 1.653 | 0.0 | 38.893 | 2.036 |
| 30 | 16298 | 16299 | NS | 1 | 0.0 | 47.802 | 5.921 | 0.0 | 53.928 | 7.181 | 0.0 | 47.346 | 4.761 | 0.0 | 51.354 | 5.536 | 0.0 | 48.532 | 6.073 | 0.0 | 56.635 | 7.069 | 0.0 | 46.836 | 4.697 | 0.0 | 52.313 | 5.458 |
| 31 | 16298 | 16299 | SN | 1 | 0.0 | 45.536 | 1.594 | 0.0 | 40.405 | 2.047 | 0.0 | 37.56 | 1.758 | 0.0 | 39.062 | 2.227 | 0.0 | 46.131 | 1.644 | 0.0 | 39.393 | 1.908 | 0.0 | 36.28 | 1.853 | 0.0 | 38.893 | 2.112 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 32 | 16298 | 16299 | SN | 1 | 0.0 | 47.184 | 5.632 | 0.0 | 49.162 | 6.756 | 0.0 | 38.352 | 5.244 | 0.0 | 40.511 | 6.325 | 0.0 | 47.026 | 5.757 | 0.0 | 48.224 | 6.528 | 0.0 | 40.185 | 5.3 | 0.0 | 38.62 | 6.166 |
| 33 | 16298 | 16299 | SN | 1 | 0.0 | 45.536 | 1.546 | 0.0 | 40.405 | 2.027 | 0.0 | 37.56 | 1.678 | 0.0 | 39.062 | 2.197 | 0.0 | 46.131 | 1.599 | 0.0 | 39.393 | 1.885 | 0.0 | 36.874 | 1.774 | 0.0 | 38.893 | 2.081 |
| 34 | 16298 | 16299 | NS | 1 | 0.0 | 46.316 | 1.407 | 0.0 | 45.404 | 1.896 | 0.0 | 39.419 | 1.21 | 0.0 | 42.092 | 1.629 | 0.0 | 46.252 | 1.475 | 0.0 | 47.655 | 1.893 | 0.0 | 39.298 | 1.249 | 0.0 | 42.07 | 1.611 |
| 35 | 16298 | 16299 | SN | 1 | 0.0 | 45.158 | 5.289 | 0.0 | 49.144 | 6.448 | 0.0 | 44.592 | 4.721 | 0.0 | 41.607 | 6.233 | 0.0 | 45.344 | 5.35 | 0.0 | 48.207 | 6.255 | 0.0 | 44.349 | 4.842 | 0.0 | 39.086 | 6.041 |
| 36 | 16298 | 16299 | SN | 1 | 0.0 | 47.184 | 5.826 | 0.0 | 49.162 | 6.677 | 0.0 | 37.663 | 5.319 | 0.0 | 40.511 | 6.387 | 0.0 | 47.026 | 5.955 | 0.0 | 48.224 | 6.466 | 0.0 | 40.185 | 5.45 | 0.0 | 38.62 | 6.215 |
| 37 | 16299 | 16300 | NS | 1 | 0.0 | 39.179 | 0.739 | 0.0 | 45.565 | 1.166 | 0.0 | 36.76 | 0.783 | 0.0 | 40.864 | 1.094 | 0.0 | 39.387 | 0.748 | 0.0 | 46.487 | 1.078 | 0.0 | 37.012 | 0.714 | 0.0 | 39.67 | 0.931 |
| 38 | 16299 | 16300 | NS | 1 | 0.0 | 39.181 | 0.737 | 0.0 | 45.751 | 1.157 | 0.0 | 36.761 | 0.776 | 0.0 | 41.073 | 1.084 | 0.0 | 39.387 | 0.757 | 0.0 | 46.519 | 1.064 | 0.0 | 37.012 | 0.71 | 0.0 | 39.769 | 0.93 |
| 39 | 16299 | 16300 | SN | 1 | 0.0 | 47.32 | 1.58 | 0.0 | 41.054 | 1.967 | 0.0 | 43.605 | 1.552 | 0.0 | 45.015 | 2.327 | 0.0 | 46.071 | 1.582 | 0.0 | 41.359 | 1.957 | 0.0 | 41.816 | 1.52 | 0.0 | 42.319 | 2.207 |
| 40 | 16299 | 16300 | SN | 1 | 0.0 | 44.266 | 6.483 | 0.0 | 45.671 | 7.279 | 0.0 | 44.413 | 4.981 | 0.0 | 46.806 | 6.338 | 0.0 | 44.22 | 6.594 | 0.0 | 46.836 | 7.482 | 0.0 | 44.459 | 4.974 | 0.0 | 49.234 | 6.267 |
| 41 | 16299 | 16300 | SN | 1 | 0.0 | 44.266 | 6.483 | 0.0 | 45.671 | 7.279 | 0.0 | 44.413 | 4.981 | 0.0 | 46.806 | 6.338 | 0.0 | 44.22 | 6.594 | 0.0 | 46.836 | 7.482 | 0.0 | 44.459 | 4.974 | 0.0 | 49.234 | 6.267 |
| 42 | 16299 | 16300 | NS | 1 | 0.0 | 54.792 | 3.37 | 0.0 | 47.713 | 4.533 | 0.0 | 47.136 | 2.794 | 0.0 | 49.167 | 3.937 | 0.0 | 55.565 | 3.43 | 0.0 | 48.896 | 4.229 | 0.0 | 45.155 | 2.787 | 0.0 | 49.872 | 3.561 |
| 43 | 16299 | 16300 | SN | 1 | 0.0 | 47.32 | 1.545 | 0.0 | 41.054 | 1.904 | 0.0 | 44.059 | 1.504 | 0.0 | 44.58 | 2.255 | 0.0 | 46.071 | 1.549 | 0.0 | 41.866 | 1.895 | 0.0 | 42.267 | 1.473 | 0.0 | 42.319 | 2.138 |
| 44 | 16299 | 16300 | NS | 1 | 0.0 | 55.302 | 3.359 | 0.0 | 47.751 | 4.564 | 0.0 | 47.136 | 2.801 | 0.0 | 48.517 | 3.966 | 0.0 | 56.075 | 3.43 | 0.0 | 48.933 | 4.239 | 0.0 | 45.155 | 2.787 | 0.0 | 49.323 | 3.582 |
| 45 | 16299 | 16300 | SN | 1 | 0.0 | 44.503 | 6.506 | 0.0 | 45.671 | 7.516 | 0.0 | 44.653 | 5.091 | 0.0 | 46.806 | 6.582 | 0.0 | 44.456 | 6.621 | 0.0 | 46.836 | 7.684 | 0.0 | 43.938 | 5.077 | 0.0 | 49.234 | 6.5 |
| 46 | 16299 | 16300 | SN | 1 | 0.0 | 47.32 | 1.545 | 0.0 | 41.054 | 1.904 | 0.0 | 44.059 | 1.504 | 0.0 | 44.58 | 2.255 | 0.0 | 46.071 | 1.549 | 0.0 | 41.866 | 1.895 | 0.0 | 42.267 | 1.473 | 0.0 | 42.319 | 2.138 |
| 47 | 16300 | 16301 | SN | 1 | 0.0 | 47.402 | 6.717 | 0.0 | 54.519 | 8.274 | 0.0 | 45.892 | 5.401 | 0.0 | 44.781 | 6.708 | 0.0 | 49.072 | 6.95 | 0.0 | 54.692 | 8.132 | 0.0 | 48.203 | 5.642 | 0.0 | 46.71 | 6.509 |
| 48 | 16300 | 16301 | NS | 1 | 0.0 | 45.872 | 1.165 | 0.0 | 42.575 | 1.465 | 0.0 | 46.774 | 1.577 | 0.0 | 39.701 | 1.819 | 0.0 | 45.764 | 1.177 | 0.0 | 41.971 | 1.34 | 0.0 | 44.379 | 1.499 | 0.0 | 39.957 | 1.647 |
| 49 | 16300 | 16301 | SN | 1 | 0.0 | 41.204 | 1.854 | 0.0 | 45.234 | 2.252 | 0.0 | 36.949 | 1.727 | 0.0 | 41.452 | 2.099 | 0.0 | 41.814 | 1.87 | 0.0 | 43.06 | 2.171 | 0.0 | 39.544 | 1.67 | 0.0 | 37.756 | 2.056 |
| 50 | 16300 | 16301 | NS | 1 | 0.0 | 44.012 | 3.652 | 0.0 | 49.917 | 4.414 | 0.0 | 44.438 | 4.692 | 0.0 | 49.222 | 5.417 | 0.0 | 44.553 | 3.621 | 0.0 | 51.3 | 4.058 | 0.0 | 43.471 | 4.564 | 0.0 | 49.373 | 4.613 |
| 51 | 16300 | 16301 | SN | 1 | 0.0 | 41.204 | 1.875 | 0.0 | 45.267 | 2.255 | 0.0 | 37.136 | 1.713 | 0.0 | 42.719 | 2.104 | 0.0 | 41.782 | 1.895 | 0.0 | 43.828 | 2.144 | 0.0 | 39.542 | 1.647 | 0.0 | 39.023 | 2.046 |
| 52 | 16300 | 16301 | SN | 1 | 0.0 | 41.204 | 1.925 | 0.0 | 45.267 | 2.359 | 0.0 | 36.949 | 1.761 | 0.0 | 42.719 | 2.198 | 0.0 | 41.782 | 1.947 | 0.0 | 43.828 | 2.235 | 0.0 | 39.542 | 1.694 | 0.0 | 39.023 | 2.134 |
| 53 | 16300 | 16301 | NS | 1 | 0.0 | 54.131 | 3.329 | 0.0 | 46.3 | 4.716 | 0.0 | 43.955 | 4.728 | 0.0 | 42.991 | 5.608 | 0.0 | 54.221 | 3.37 | 0.0 | 46.757 | 4.209 | 0.0 | 44.162 | 4.671 | 0.0 | 41.539 | 4.975 |
| 54 | 16300 | 16301 | SN | 1 | 0.0 | 47.402 | 6.923 | 0.0 | 54.863 | 8.601 | 0.0 | 45.892 | 5.521 | 0.0 | 43.839 | 6.977 | 0.0 | 49.072 | 7.212 | 0.0 | 55.035 | 8.504 | 0.0 | 48.203 | 5.731 | 0.0 | 45.77 | 6.819 |
| 55 | 16300 | 16301 | NS | 1 | 0.0 | 40.155 | 1.189 | 0.0 | 47.148 | 1.471 | 0.0 | 42.083 | 1.505 | 0.0 | 38.831 | 1.825 | 0.0 | 40.465 | 1.198 | 0.0 | 43.107 | 1.279 | 0.0 | 42.324 | 1.505 | 0.0 | 40.652 | 1.6 |
| 56 | 16300 | 16301 | SN | 1 | 0.0 | 47.402 | 6.677 | 0.0 | 54.863 | 8.244 | 0.0 | 45.892 | 5.373 | 0.0 | 43.839 | 6.687 | 0.0 | 49.072 | 6.95 | 0.0 | 55.035 | 8.122 | 0.0 | 48.203 | 5.607 | 0.0 | 45.77 | 6.538 |
| 57 | 16301 | 16302 | SN | 1 | 0.0 | 46.356 | 1.649 | 0.0 | 45.845 | 1.894 | 0.0 | 42.836 | 1.359 | 0.0 | 44.796 | 1.935 | 0.0 | 47.244 | 1.666 | 0.0 | 46.228 | 1.862 | 0.0 | 43.241 | 1.317 | 0.0 | 41.165 | 1.797 |
| 58 | 16301 | 16302 | SN | 1 | 0.0 | 46.356 | 1.56 | 0.0 | 45.845 | 1.82 | 0.0 | 42.836 | 1.293 | 0.0 | 44.796 | 1.841 | 0.0 | 47.244 | 1.569 | 0.0 | 46.228 | 1.779 | 0.0 | 43.241 | 1.248 | 0.0 | 41.165 | 1.701 |
| 59 | 16301 | 16302 | SN | 1 | 0.0 | 49.49 | 6.027 | 0.0 | 53.081 | 6.793 | 0.0 | 47.606 | 5.247 | 0.0 | 49.131 | 6.384 | 0.0 | 50.242 | 6.016 | 0.0 | 54.486 | 6.596 | 0.0 | 47.964 | 5.254 | 0.0 | 50.404 | 5.947 |
| 60 | 16301 | 16302 | NS | 1 | 0.0 | 46.535 | 5.903 | 0.0 | 54.171 | 8.015 | 0.0 | 43.707 | 6.071 | 0.0 | 47.516 | 7.84 | 0.0 | 46.817 | 6.096 | 0.0 | 54.095 | 8.248 | 0.0 | 41.097 | 6.355 | 0.0 | 48.241 | 8.202 |
| 61 | 16301 | 16302 | NS | 1 | 0.0 | 46.447 | 5.832 | 0.0 | 49.359 | 8.066 | 0.0 | 43.232 | 5.865 | 0.0 | 42.996 | 7.819 | 0.0 | 46.729 | 6.126 | 0.0 | 49.004 | 8.269 | 0.0 | 40.516 | 6.192 | 0.0 | 43.17 | 8.245 |
| 62 | 16301 | 16302 | NS | 1 | 0.0 | 43.862 | 1.76 | 0.0 | 44.878 | 2.47 | 0.0 | 42.409 | 1.982 | 0.0 | 41.357 | 2.799 | 0.0 | 44.082 | 1.789 | 0.0 | 46.407 | 2.375 | 0.0 | 39.125 | 1.989 | 0.0 | 42.557 | 2.724 |
| 63 | 16301 | 16302 | SN | 1 | 0.0 | 49.49 | 5.774 | 0.0 | 53.081 | 6.669 | 0.0 | 47.606 | 5.023 | 0.0 | 49.131 | 6.095 | 0.0 | 50.242 | 5.733 | 0.0 | 54.486 | 6.405 | 0.0 | 47.964 | 5.023 | 0.0 | 50.404 | 5.64 |
| 64 | 16301 | 16302 | SN | 1 | 0.0 | 49.49 | 5.774 | 0.0 | 53.081 | 6.669 | 0.0 | 47.606 | 5.023 | 0.0 | 49.131 | 6.095 | 0.0 | 50.242 | 5.733 | 0.0 | 54.486 | 6.405 | 0.0 | 47.964 | 5.023 | 0.0 | 50.404 | 5.64 |
| 65 | 16301 | 16302 | NS | 1 | 0.0 | 44.656 | 1.769 | 0.0 | 45.073 | 2.488 | 0.0 | 42.329 | 1.952 | 0.0 | 43.112 | 2.793 | 0.0 | 44.883 | 1.821 | 0.0 | 46.602 | 2.387 | 0.0 | 44.647 | 1.957 | 0.0 | 44.311 | 2.728 |
| 66 | 16301 | 16302 | SN | 1 | 0.0 | 46.356 | 1.56 | 0.0 | 45.845 | 1.82 | 0.0 | 42.836 | 1.293 | 0.0 | 44.796 | 1.841 | 0.0 | 47.244 | 1.569 | 0.0 | 46.228 | 1.779 | 0.0 | 43.241 | 1.248 | 0.0 | 41.165 | 1.701 |
| 67 | 16302 | 16303 | NS | 1 | 0.0 | 43.898 | 1.125 | 0.0 | 41.469 | 1.767 | 0.0 | 39.17 | 1.339 | 0.0 | 45.889 | 1.782 | 0.0 | 44.553 | 1.084 | 0.0 | 42.55 | 1.672 | 0.0 | 38.518 | 1.272 | 0.0 | 46.144 | 1.693 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 68 | 16302 | 16303 | SN | 1 | 0.0 | 41.921 | 1.216 | 0.0 | 40.369 | 1.669 | 0.0 | 47.255 | 0.98 | 0.0 | 44.769 | 1.524 | 0.0 | 44.464 | 1.212 | 0.0 | 41.062 | 1.565 | 0.0 | 45.32 | 0.976 | 0.0 | 48.446 | 1.342 |
| 69 | 16302 | 16303 | NS | 1 | 0.0 | 45.666 | 1.093 | 0.0 | 54.468 | 1.75 | 0.0 | 39.636 | 1.339 | 0.0 | 42.736 | 1.724 | 0.0 | 45.168 | 1.082 | 0.0 | 55.46 | 1.664 | 0.0 | 38.638 | 1.286 | 0.0 | 40.741 | 1.676 |
| 70 | 16302 | 16303 | SN | 1 | 0.0 | 49.6 | 4.767 | 0.0 | 55.455 | 5.569 | 0.0 | 47.385 | 3.999 | 0.0 | 42.751 | 4.834 | 0.0 | 49.802 | 4.745 | 0.0 | 54.316 | 5.366 | 0.0 | 49.067 | 3.833 | 0.0 | 40.872 | 4.485 |
| 71 | 16302 | 16303 | NS | 1 | 0.0 | 50.389 | 4.311 | 0.0 | 47.528 | 6.28 | 0.0 | 40.135 | 4.315 | 0.0 | 43.172 | 5.238 | 0.0 | 51.69 | 4.403 | 0.0 | 49.38 | 5.935 | 0.0 | 41.167 | 4.351 | 0.0 | 40.769 | 5.032 |
| 72 | 16302 | 16303 | NS | 1 | 0.0 | 43.939 | 4.187 | 0.0 | 47.55 | 6.09 | 0.0 | 44.267 | 4.641 | 0.0 | 43.944 | 5.276 | 0.0 | 43.925 | 4.248 | 0.0 | 51.53 | 5.715 | 0.0 | 44.854 | 4.563 | 0.0 | 45.815 | 4.97 |
| 73 | 16302 | 16303 | SN | 1 | 0.0 | 49.71 | 4.48 | 0.0 | 55.304 | 5.512 | 0.0 | 48.967 | 3.679 | 0.0 | 42.773 | 4.829 | 0.0 | 49.912 | 4.48 | 0.0 | 54.166 | 5.238 | 0.0 | 47.878 | 3.558 | 0.0 | 40.895 | 4.353 |
| 74 | 16302 | 16303 | SN | 1 | 0.0 | 49.6 | 4.469 | 0.0 | 55.455 | 5.512 | 0.0 | 47.385 | 3.651 | 0.0 | 42.751 | 4.808 | 0.0 | 49.802 | 4.459 | 0.0 | 54.316 | 5.258 | 0.0 | 49.067 | 3.509 | 0.0 | 40.872 | 4.374 |
| 75 | 16302 | 16303 | SN | 1 | 0.0 | 48.338 | 1.328 | 0.0 | 40.358 | 1.746 | 0.0 | 43.104 | 1.071 | 0.0 | 43.636 | 1.562 | 0.0 | 48.804 | 1.323 | 0.0 | 41.049 | 1.661 | 0.0 | 41.172 | 1.069 | 0.0 | 47.312 | 1.395 |
| 76 | 16302 | 16303 | SN | 1 | 0.0 | 48.338 | 1.217 | 0.0 | 40.358 | 1.66 | 0.0 | 43.104 | 0.984 | 0.0 | 43.636 | 1.527 | 0.0 | 48.804 | 1.214 | 0.0 | 41.049 | 1.567 | 0.0 | 41.172 | 0.975 | 0.0 | 47.312 | 1.323 |
| 77 | 16303 | 16304 | SN | 1 | 0.0 | 42.767 | 0.857 | 0.0 | 40.422 | 1.269 | 0.0 | 39.841 | 1.004 | 0.0 | 42.946 | 1.616 | 0.0 | 41.565 | 0.882 | 0.0 | 41.073 | 1.156 | 0.0 | 38.698 | 0.937 | 0.0 | 44.406 | 1.386 |
| 78 | 16303 | 16304 | NS | 1 | 0.0 | 44.253 | 1.534 | 0.0 | 48.15 | 2.002 | 0.0 | 48.345 | 1.625 | 0.0 | 49.382 | 2.09 | 0.0 | 44.466 | 1.565 | 0.0 | 46.844 | 1.889 | 0.0 | 44.94 | 1.533 | 0.0 | 47.006 | 1.847 |
| 79 | 16303 | 16304 | NS | 1 | 0.0 | 49.566 | 5.669 | 0.0 | 52.753 | 6.999 | 0.0 | 46.074 | 5.325 | 0.0 | 47.915 | 6.618 | 0.0 | 49.648 | 5.69 | 0.0 | 52.443 | 6.826 | 0.0 | 45.742 | 5.261 | 0.0 | 45.086 | 6.106 |
| 80 | 16303 | 16304 | SN | 1 | 0.0 | 45.899 | 3.465 | 0.0 | 40.736 | 4.478 | 0.0 | 42.168 | 3.379 | 0.0 | 39.911 | 4.611 | 0.0 | 46.42 | 3.557 | 0.0 | 41.282 | 4.052 | 0.0 | 41.201 | 3.259 | 0.0 | 36.399 | 4.212 |
| 81 | 16304 | 16305 | SN | 1 | 0.0 | 44.964 | 1.608 | 0.0 | 48.768 | 1.993 | 0.0 | 44.597 | 1.666 | 0.0 | 42.693 | 2.011 | 0.0 | 45.757 | 1.653 | 0.0 | 50.499 | 1.934 | 0.0 | 42.188 | 1.684 | 0.0 | 38.515 | 1.993 |
| 82 | 16304 | 16305 | SN | 1 | 0.0 | 49.645 | 6.636 | 0.0 | 46.907 | 7.384 | 0.0 | 45.177 | 5.159 | 0.0 | 41.921 | 6.334 | 0.0 | 49.521 | 6.889 | 0.0 | 47.653 | 7.161 | 0.0 | 43.557 | 5.35 | 0.0 | 40.795 | 6.185 |
| 83 | 16304 | 16305 | NS | 1 | 0.0 | 46.031 | 0.887 | 0.0 | 43.635 | 1.29 | 0.0 | 40.768 | 1.133 | 0.0 | 43.587 | 1.701 | 0.0 | 46.437 | 0.883 | 0.0 | 42.414 | 1.238 | 0.0 | 40.439 | 1.098 | 0.0 | 44.474 | 1.554 |
| 84 | 16304 | 16305 | NS | 1 | 0.0 | 53.794 | 3.458 | 0.0 | 53.153 | 4.767 | 0.0 | 41.33 | 4.029 | 0.0 | 42.284 | 5.302 | 0.0 | 54.561 | 3.539 | 0.0 | 51.482 | 4.767 | 0.0 | 42.408 | 3.894 | 0.0 | 44.752 | 5.118 |
| 85 | 16305 | 16306 | NS | 1 | 0.0 | 43.161 | 3.024 | 0.0 | 54.948 | 4.686 | 0.0 | 41.37 | 3.982 | 0.0 | 47.703 | 5.58 | 0.0 | 45.762 | 3.024 | 0.0 | 54.536 | 4.23 | 0.0 | 43.712 | 4.053 | 0.0 | 44.657 | 5.203 |
| 86 | 16305 | 16306 | SN | 1 | 0.0 | 45.282 | 1.599 | 0.0 | 44.037 | 1.816 | 0.0 | 41.767 | 1.396 | 0.0 | 45.756 | 1.776 | 0.0 | 45.778 | 1.646 | 0.0 | 44.565 | 1.761 | 0.0 | 40.971 | 1.411 | 0.0 | 43.942 | 1.694 |
| 87 | 16305 | 16306 | NS | 1 | 0.0 | 43.025 | 1.044 | 0.0 | 54.589 | 1.581 | 0.0 | 35.437 | 1.416 | 0.0 | 39.492 | 2.06 | 0.0 | 43.841 | 1.067 | 0.0 | 52.09 | 1.484 | 0.0 | 38.57 | 1.352 | 0.0 | 36.363 | 1.806 |
| 88 | 16305 | 16306 | SN | 1 | 0.0 | 47.974 | 5.348 | 0.0 | 46.922 | 5.634 | 0.0 | 44.984 | 5.116 | 0.0 | 50.455 | 5.876 | 0.0 | 48.919 | 5.531 | 0.0 | 46.296 | 5.39 | 0.0 | 47.456 | 5.151 | 0.0 | 49.313 | 5.57 |
| 89 | 16305 | 16306 | NS | 1 | 0.0 | 43.161 | 3.04 | 0.0 | 54.948 | 4.71 | 0.0 | 41.37 | 3.988 | 0.0 | 47.703 | 5.608 | 0.0 | 45.762 | 3.04 | 0.0 | 54.536 | 4.251 | 0.0 | 43.712 | 4.059 | 0.0 | 44.657 | 5.23 |
| 90 | 16305 | 16306 | NS | 1 | 0.0 | 43.025 | 1.049 | 0.0 | 54.589 | 1.59 | 0.0 | 35.437 | 1.418 | 0.0 | 39.492 | 2.07 | 0.0 | 43.841 | 1.072 | 0.0 | 52.09 | 1.492 | 0.0 | 38.57 | 1.356 | 0.0 | 36.363 | 1.815 |
| 91 | 16306 | 16307 | SN | 1 | 0.0 | 51.557 | 0.986 | 0.0 | 48.78 | 1.3 | 0.0 | 45.066 | 0.894 | 0.0 | 44.722 | 1.502 | 0.0 | 50.888 | 0.997 | 0.0 | 46.734 | 1.189 | 0.0 | 45.634 | 0.839 | 0.0 | 41.442 | 1.305 |
| 92 | 16306 | 16307 | NS | 1 | 0.0 | 45.545 | 3.438 | 0.0 | 46.022 | 5.407 | 0.0 | 44.178 | 3.81 | 0.0 | 40.601 | 5.42 | 0.0 | 44.458 | 3.48 | 0.0 | 45.406 | 4.927 | 0.0 | 41.905 | 3.599 | 0.0 | 39.269 | 4.74 |
| 93 | 16306 | 16307 | NS | 1 | 0.0 | 45.8 | 3.337 | 0.0 | 50.96 | 5.226 | 0.0 | 44.475 | 3.689 | 0.0 | 45.148 | 5.189 | 0.0 | 45.029 | 3.337 | 0.0 | 53.865 | 4.789 | 0.0 | 42.204 | 3.434 | 0.0 | 44.972 | 4.585 |
| 94 | 16306 | 16307 | NS | 1 | 0.0 | 45.545 | 3.316 | 0.0 | 46.022 | 5.246 | 0.0 | 44.178 | 3.718 | 0.0 | 40.601 | 5.274 | 0.0 | 44.458 | 3.347 | 0.0 | 45.406 | 4.8 | 0.0 | 41.905 | 3.512 | 0.0 | 39.269 | 4.606 |
| 95 | 16306 | 16307 | SN | 1 | 0.0 | 53.286 | 3.272 | 0.0 | 53.04 | 4.517 | 0.0 | 50.14 | 3.441 | 0.0 | 48.655 | 4.737 | 0.0 | 54.29 | 3.434 | 0.0 | 52.101 | 4.274 | 0.0 | 49.045 | 3.229 | 0.0 | 45.592 | 4.275 |
| 96 | 16306 | 16307 | SN | 1 | 0.0 | 53.286 | 3.272 | 0.0 | 53.04 | 4.517 | 0.0 | 50.14 | 3.441 | 0.0 | 48.655 | 4.737 | 0.0 | 54.29 | 3.434 | 0.0 | 52.101 | 4.274 | 0.0 | 49.045 | 3.229 | 0.0 | 45.592 | 4.275 |
| 97 | 16306 | 16307 | NS | 1 | 0.0 | 45.989 | 0.912 | 0.0 | 42.36 | 1.445 | 0.0 | 34.863 | 1.252 | 0.0 | 37.948 | 1.903 | 0.0 | 46.655 | 0.914 | 0.0 | 46.286 | 1.324 | 0.0 | 34.823 | 1.128 | 0.0 | 34.061 | 1.554 |
| 98 | 16306 | 16307 | NS | 1 | 0.0 | 45.989 | 0.89 | 0.0 | 42.36 | 1.41 | 0.0 | 34.863 | 1.228 | 0.0 | 37.948 | 1.853 | 0.0 | 46.655 | 0.892 | 0.0 | 46.286 | 1.295 | 0.0 | 34.823 | 1.098 | 0.0 | 34.061 | 1.512 |
| 99 | 16306 | 16307 | NS | 1 | 0.0 | 48.274 | 0.897 | 0.0 | 42.36 | 1.431 | 0.0 | 35.064 | 1.217 | 0.0 | 38.656 | 1.844 | 0.0 | 48.94 | 0.881 | 0.0 | 46.286 | 1.3 | 0.0 | 34.823 | 1.089 | 0.0 | 34.677 | 1.505 |
| 100 | 16306 | 16307 | SN | 1 | 0.0 | 51.557 | 0.986 | 0.0 | 48.78 | 1.3 | 0.0 | 45.066 | 0.894 | 0.0 | 44.722 | 1.502 | 0.0 | 50.888 | 0.997 | 0.0 | 46.734 | 1.189 | 0.0 | 45.634 | 0.839 | 0.0 | 41.442 | 1.305 |
| 101 | 16307 | 16308 | NS | 1 | 0.0 | 42.782 | 6.207 | 0.0 | 45.528 | 8.087 | 0.0 | 41.105 | 5.623 | 0.0 | 38.024 | 7.03 | 0.0 | 43.226 | 6.359 | 0.0 | 44.862 | 7.834 | 0.0 | 39.923 | 5.851 | 0.0 | 39.167 | 6.944 |
| 102 | 16307 | 16308 | NS | 1 | 0.0 | 45.095 | 6.258 | 0.0 | 51.41 | 8.118 | 0.0 | 41.105 | 5.58 | 0.0 | 39.892 | 7.058 | 0.0 | 45.54 | 6.369 | 0.0 | 50.753 | 7.854 | 0.0 | 39.923 | 5.808 | 0.0 | 39.181 | 6.944 |
| 103 | 16307 | 16308 | NS | 1 | 0.0 | 42.939 | 1.916 | 0.0 | 49.81 | 2.561 | 0.0 | 39.66 | 1.888 | 0.0 | 43.65 | 2.419 | 0.0 | 42.752 | 1.945 | 0.0 | 49.635 | 2.428 | 0.0 | 36.884 | 1.892 | 0.0 | 41.859 | 2.313 |

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

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|-----|-------|-------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|-------|
| 104 | 16307 | 16308 | SN | 1 | 0.0 | 41.327 | 1.881 | 0.0 | 53.104 | 2.379 | 0.0 | 37.753 | 1.985 | 0.0 | 39.549 | 2.6 | 0.0 | 42.058 | 1.897 | 0.0 | 53.329 | 2.56 | 0.0 | 37.623 | 2.008 | 0.0 | 40.041 | 2.619 |
| 105 | 16307 | 16308 | SN | 1 | 0.0 | 41.327 | 1.881 | 0.0 | 53.104 | 2.379 | 0.0 | 37.753 | 1.985 | 0.0 | 39.549 | 2.6 | 0.0 | 42.058 | 1.897 | 0.0 | 53.329 | 2.56 | 0.0 | 37.623 | 2.008 | 0.0 | 40.041 | 2.619 |
| 106 | 16307 | 16308 | SN | 1 | 0.0 | 55.446 | 6.757 | 0.0 | 48.319 | 7.979 | 0.0 | 47.843 | 6.443 | 0.0 | 43.796 | 7.333 | 0.0 | 56.065 | 6.99 | 0.0 | 51.564 | 8.141 | 0.0 | 46.762 | 6.755 | 0.0 | 42.804 | 7.888 |
| 107 | 16307 | 16308 | NS | 1 | 0.0 | 45.095 | 6.732 | 0.0 | 51.41 | 8.725 | 0.0 | 41.105 | 5.94 | 0.0 | 39.892 | 7.574 | 0.0 | 45.54 | 6.841 | 0.0 | 50.753 | 8.431 | 0.0 | 39.923 | 6.199 | 0.0 | 39.181 | 7.467 |
| 108 | 16307 | 16308 | SN | 1 | 0.0 | 55.446 | 6.757 | 0.0 | 48.319 | 7.979 | 0.0 | 47.843 | 6.443 | 0.0 | 43.796 | 7.333 | 0.0 | 56.065 | 6.99 | 0.0 | 51.564 | 8.141 | 0.0 | 46.762 | 6.755 | 0.0 | 42.804 | 7.888 |
| 109 | 16307 | 16308 | NS | 1 | 0.0 | 42.939 | 1.796 | 0.0 | 49.81 | 2.382 | 0.0 | 39.66 | 1.76 | 0.0 | 43.65 | 2.247 | 0.0 | 42.752 | 1.829 | 0.0 | 49.635 | 2.258 | 0.0 | 36.884 | 1.77 | 0.0 | 41.859 | 2.149 |
| 110 | 16307 | 16308 | NS | 1 | 0.0 | 43.381 | 1.773 | 0.0 | 43.905 | 2.344 | 0.0 | 39.66 | 1.754 | 0.0 | 41.084 | 2.264 | 0.0 | 43.429 | 1.802 | 0.0 | 43.73 | 2.247 | 0.0 | 36.884 | 1.751 | 0.0 | 37.816 | 2.165 |
| 111 | 16308 | 16309 | SN | 1 | 0.0 | 41.48 | 2.247 | 0.0 | 43.084 | 2.762 | 0.0 | 38.25 | 2.135 | 0.0 | 39.478 | 2.746 | 0.0 | 43.173 | 2.331 | 0.0 | 43.581 | 2.801 | 0.0 | 38.871 | 2.273 | 0.0 | 37.86 | 2.91 |
| 112 | 16308 | 16309 | SN | 1 | 0.0 | 40.411 | 2.245 | 0.0 | 47.08 | 2.787 | 0.0 | 41.546 | 2.133 | 0.0 | 39.535 | 2.76 | 0.0 | 42.007 | 2.333 | 0.0 | 47.577 | 2.782 | 0.0 | 39.622 | 2.278 | 0.0 | 41.49 | 2.901 |
| 113 | 16308 | 16309 | SN | 1 | 0.0 | 41.556 | 8.596 | 0.0 | 46.787 | 9.814 | 0.0 | 42.052 | 7.685 | 0.0 | 42.516 | 9.096 | 0.0 | 41.707 | 8.895 | 0.0 | 48.299 | 10.337 | 0.0 | 44.678 | 8.292 | 0.0 | 41.238 | 9.797 |
| 114 | 16308 | 16309 | NS | 1 | 0.0 | 48.492 | 1.705 | 0.0 | 49.062 | 2.09 | 0.0 | 44.21 | 1.424 | 0.0 | 44.305 | 1.921 | 0.0 | 49.126 | 1.753 | 0.0 | 49.65 | 1.945 | 0.0 | 43.93 | 1.377 | 0.0 | 40.945 | 1.763 |
| 115 | 16308 | 16309 | SN | 1 | 0.0 | 40.411 | 2.416 | 0.0 | 54.479 | 3.0 | 0.0 | 36.084 | 2.318 | 0.0 | 39.535 | 2.998 | 0.0 | 42.007 | 2.509 | 0.0 | 50.851 | 2.995 | 0.0 | 36.3 | 2.463 | 0.0 | 41.49 | 3.16 |
| 116 | 16308 | 16309 | NS | 1 | 0.0 | 48.492 | 1.903 | 0.0 | 49.062 | 2.351 | 0.0 | 44.21 | 1.567 | 0.0 | 44.305 | 2.163 | 0.0 | 49.126 | 1.962 | 0.0 | 49.65 | 2.18 | 0.0 | 43.93 | 1.531 | 0.0 | 40.945 | 1.964 |
| 117 | 16308 | 16309 | SN | 1 | 0.0 | 40.16 | 8.156 | 0.0 | 46.212 | 9.343 | 0.0 | 47.476 | 7.192 | 0.0 | 41.008 | 8.595 | 0.0 | 40.803 | 8.541 | 0.0 | 48.304 | 9.627 | 0.0 | 45.118 | 7.725 | 0.0 | 39.693 | 9.186 |
| 118 | 16308 | 16309 | SN | 1 | 0.0 | 41.781 | 8.186 | 0.0 | 46.214 | 9.15 | 0.0 | 46.237 | 7.27 | 0.0 | 42.516 | 8.418 | 0.0 | 41.707 | 8.521 | 0.0 | 48.299 | 9.607 | 0.0 | 43.879 | 7.774 | 0.0 | 41.238 | 9.037 |
| 119 | 16308 | 16309 | NS | 1 | 0.0 | 48.034 | 1.739 | 0.0 | 49.062 | 2.094 | 0.0 | 44.094 | 1.424 | 0.0 | 44.547 | 1.911 | 0.0 | 48.668 | 1.757 | 0.0 | 49.65 | 1.975 | 0.0 | 46.272 | 1.391 | 0.0 | 41.188 | 1.739 |
| 120 | 16308 | 16309 | NS | 1 | 0.0 | 47.641 | 5.082 | 0.0 | 45.814 | 6.704 | 0.0 | 43.417 | 4.785 | 0.0 | 42.739 | 5.985 | 0.0 | 47.55 | 5.051 | 0.0 | 43.963 | 6.339 | 0.0 | 44.04 | 4.735 | 0.0 | 41.507 | 5.544 |
| 121 | 16308 | 16309 | NS | 1 | 0.0 | 47.637 | 5.072 | 0.0 | 44.773 | 6.714 | 0.0 | 43.42 | 4.834 | 0.0 | 42.895 | 5.992 | 0.0 | 47.587 | 5.041 | 0.0 | 43.938 | 6.359 | 0.0 | 43.972 | 4.827 | 0.0 | 41.662 | 5.58 |
| 122 | 16308 | 16309 | NS | 1 | 0.0 | 47.641 | 5.701 | 0.0 | 45.814 | 7.599 | 0.0 | 43.417 | 5.309 | 0.0 | 42.739 | 6.795 | 0.0 | 47.55 | 5.643 | 0.0 | 43.963 | 7.173 | 0.0 | 44.04 | 5.268 | 0.0 | 41.507 | 6.278 |
| 123 | 16309 | 16310 | SN | 1 | 0.0 | 53.311 | 5.066 | 0.0 | 50.947 | 6.002 | 0.0 | 43.516 | 4.665 | 0.0 | 43.447 | 5.18 | 0.0 | 53.127 | 5.248 | 0.0 | 49.173 | 6.002 | 0.0 | 46.285 | 4.65 | 0.0 | 40.503 | 5.08 |
| 124 | 16309 | 16310 | NS | 1 | 0.0 | 53.814 | 8.53 | 0.0 | 50.615 | 9.402 | 0.0 | 45.381 | 7.458 | 0.0 | 48.486 | 9.141 | 0.0 | 54.36 | 8.652 | 0.0 | 53.027 | 8.996 | 0.0 | 46.794 | 7.529 | 0.0 | 49.711 | 8.799 |
| 125 | 16309 | 16310 | NS | 1 | 0.0 | 53.471 | 8.5 | 0.0 | 50.505 | 9.433 | 0.0 | 45.265 | 7.493 | 0.0 | 50.578 | 9.162 | 0.0 | 54.015 | 8.662 | 0.0 | 52.917 | 9.048 | 0.0 | 46.789 | 7.557 | 0.0 | 49.37 | 8.778 |
| 126 | 16309 | 16310 | NS | 1 | 0.0 | 47.836 | 2.652 | 0.0 | 52.726 | 3.24 | 0.0 | 42.264 | 2.244 | 0.0 | 45.406 | 2.865 | 0.0 | 49.122 | 2.679 | 0.0 | 55.564 | 3.138 | 0.0 | 42.864 | 2.223 | 0.0 | 45.788 | 2.675 |
| 127 | 16309 | 16310 | NS | 1 | 0.0 | 52.129 | 2.645 | 0.0 | 52.869 | 3.222 | 0.0 | 42.258 | 2.246 | 0.0 | 45.295 | 2.883 | 0.0 | 53.693 | 2.672 | 0.0 | 55.706 | 3.122 | 0.0 | 42.858 | 2.208 | 0.0 | 44.299 | 2.686 |
| 128 | 16309 | 16310 | SN | 1 | 0.0 | 45.022 | 5.353 | 0.0 | 51.088 | 6.227 | 0.0 | 45.776 | 4.85 | 0.0 | 43.447 | 5.34 | 0.0 | 44.836 | 5.524 | 0.0 | 49.315 | 6.248 | 0.0 | 46.285 | 4.805 | 0.0 | 41.495 | 5.287 |
| 129 | 16309 | 16310 | SN | 1 | 0.0 | 51.498 | 5.127 | 0.0 | 49.866 | 6.002 | 0.0 | 43.48 | 4.601 | 0.0 | 42.991 | 5.066 | 0.0 | 53.86 | 5.319 | 0.0 | 48.089 | 5.931 | 0.0 | 46.251 | 4.508 | 0.0 | 42.126 | 4.981 |
| 130 | 16309 | 16310 | SN | 1 | 0.0 | 47.052 | 1.531 | 0.0 | 46.984 | 1.83 | 0.0 | 43.729 | 1.368 | 0.0 | 40.708 | 1.748 | 0.0 | 47.04 | 1.564 | 0.0 | 46.621 | 1.809 | 0.0 | 43.707 | 1.316 | 0.0 | 38.395 | 1.643 |
| 131 | 16309 | 16310 | SN | 1 | 0.0 | 47.052 | 1.467 | 0.0 | 46.984 | 1.753 | 0.0 | 43.729 | 1.337 | 0.0 | 42.693 | 1.686 | 0.0 | 47.04 | 1.501 | 0.0 | 46.621 | 1.726 | 0.0 | 43.707 | 1.274 | 0.0 | 42.79 | 1.586 |
| 132 | 16309 | 16310 | SN | 1 | 0.0 | 47.001 | 1.469 | 0.0 | 45.175 | 1.764 | 0.0 | 38.858 | 1.339 | 0.0 | 46.961 | 1.682 | 0.0 | 46.99 | 1.492 | 0.0 | 45.747 | 1.724 | 0.0 | 38.895 | 1.281 | 0.0 | 44.65 | 1.581 |
| 133 | 16310 | 16311 | SN | 1 | 0.0 | 43.598 | 0.718 | 0.0 | 46.747 | 1.113 | 0.0 | 45.845 | 0.987 | 0.0 | 39.82 | 1.405 | 0.0 | 43.144 | 0.695 | 0.0 | 45.09 | 0.953 | 0.0 | 43.909 | 0.922 | 0.0 | 38.361 | 1.134 |
| 134 | 16310 | 16311 | SN | 1 | 0.0 | 43.598 | 0.742 | 0.0 | 46.747 | 1.103 | 0.0 | 45.845 | 0.986 | 0.0 | 39.82 | 1.406 | 0.0 | 43.144 | 0.719 | 0.0 | 45.09 | 0.945 | 0.0 | 43.909 | 0.924 | 0.0 | 38.361 | 1.133 |
| 135 | 16310 | 16311 | NS | 1 | 0.0 | 47.839 | 4.485 | 0.0 | 49.642 | 5.609 | 0.0 | 46.166 | 3.733 | 0.0 | 49.979 | 4.649 | 0.0 | 47.762 | 4.526 | 0.0 | 50.703 | 5.122 | 0.0 | 44.673 | 3.526 | 0.0 | 52.1 | 4.087 |
| 136 | 16310 | 16311 | NS | 1 | 0.0 | 47.839 | 4.485 | 0.0 | 49.642 | 5.609 | 0.0 | 47.108 | 3.726 | 0.0 | 49.979 | 4.649 | 0.0 | 47.762 | 4.526 | 0.0 | 50.703 | 5.122 | 0.0 | 45.616 | 3.526 | 0.0 | 52.1 | 4.087 |
| 137 | 16310 | 16311 | NS | 1 | 0.0 | 48.191 | 1.168 | 0.0 | 44.394 | 1.634 | 0.0 | 44.055 | 1.047 | 0.0 | 41.121 | 1.419 | 0.0 | 48.284 | 1.143 | 0.0 | 44.667 | 1.478 | 0.0 | 41.058 | 0.956 | 0.0 | 42.841 | 1.164 |
| 138 | 16310 | 16311 | SN | 1 | 0.0 | 43.598 | 0.742 | 0.0 | 46.747 | 1.103 | 0.0 | 45.845 | 0.986 | 0.0 | 39.82 | 1.406 | 0.0 | 43.144 | 0.719 | 0.0 | 45.09 | 0.945 | 0.0 | 43.909 | 0.924 | 0.0 | 38.361 | 1.133 |
| 139 | 16310 | 16311 | SN | 1 | 0.0 | 44.769 | 2.563 | 0.0 | 47.207 | 3.751 | 0.0 | 48.225 | 3.607 | 0.0 | 41.421 | 4.269 | 0.0 | 44.909 | 2.594 | 0.0 | 49.127 | 3.494 | 0.0 | 44.681 | 3.449 | 0.0 | 42.01 | 3.72 |

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

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|-----|-------|-------|----|---|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|
| 140 | 16310 | 16311 | SN | 1 | 0.0 | 47.558 | 2.695 | 0.0 | 47.207 | 3.745 | 0.0 | 48.225 | 3.64 | 0.0 | 41.421 | 4.253 | 0.0 | 48.598 | 2.715 | 0.0 | 49.127 | 3.471 | 0.0 | 44.681 | 3.477 | 0.0 | 42.01 | 3.691 |
| 141 | 16310 | 16311 | SN | 1 | 0.0 | 47.558 | 2.695 | 0.0 | 47.207 | 3.745 | 0.0 | 48.225 | 3.64 | 0.0 | 41.421 | 4.253 | 0.0 | 48.598 | 2.715 | 0.0 | 49.127 | 3.471 | 0.0 | 44.681 | 3.477 | 0.0 | 42.01 | 3.691 |
| 142 | 16310 | 16311 | NS | 1 | 0.0 | 48.191 | 1.168 | 0.0 | 44.394 | 1.634 | 0.0 | 44.055 | 1.047 | 0.0 | 41.121 | 1.419 | 0.0 | 48.284 | 1.143 | 0.0 | 44.667 | 1.478 | 0.0 | 41.058 | 0.955 | 0.0 | 42.841 | 1.164 |
| 143 | 16311 | 16312 | SN | 1 | 0.0 | 42.556 | 4.266 | 0.0 | 52.231 | 5.379 | 0.0 | 44.204 | 4.124 | 0.0 | 41.653 | 5.832 | 0.0 | 43.057 | 4.225 | 0.0 | 52.753 | 5.115 | 0.0 | 43.495 | 4.365 | 0.0 | 46.831 | 5.498 |
| 144 | 16311 | 16312 | SN | 1 | 0.0 | 42.556 | 4.228 | 0.0 | 52.231 | 5.428 | 0.0 | 44.204 | 4.064 | 0.0 | 41.653 | 5.922 | 0.0 | 43.057 | 4.228 | 0.0 | 52.753 | 5.171 | 0.0 | 43.495 | 4.308 | 0.0 | 46.831 | 5.576 |
| 145 | 16311 | 16312 | SN | 1 | 0.0 | 42.555 | 4.239 | 0.0 | 52.231 | 5.428 | 0.0 | 44.167 | 4.071 | 0.0 | 41.653 | 5.908 | 0.0 | 43.058 | 4.228 | 0.0 | 52.753 | 5.181 | 0.0 | 43.458 | 4.315 | 0.0 | 46.831 | 5.576 |
| 146 | 16311 | 16312 | NS | 1 | 0.0 | 44.329 | 2.698 | 0.0 | 45.259 | 4.13 | 0.0 | 41.313 | 3.071 | 0.0 | 47.484 | 4.144 | 0.0 | 44.822 | 2.708 | 0.0 | 45.854 | 3.603 | 0.0 | 43.607 | 2.986 | 0.0 | 45.511 | 3.881 |
| 147 | 16311 | 16312 | NS | 1 | 0.0 | 49.4 | 2.639 | 0.0 | 51.145 | 3.956 | 0.0 | 41.43 | 2.879 | 0.0 | 39.795 | 4.08 | 0.0 | 49.665 | 2.588 | 0.0 | 53.265 | 3.55 | 0.0 | 39.901 | 3.022 | 0.0 | 38.046 | 3.618 |
| 148 | 16311 | 16312 | SN | 1 | 0.0 | 43.262 | 1.198 | 0.0 | 38.997 | 1.693 | 0.0 | 39.611 | 1.359 | 0.0 | 46.365 | 2.132 | 0.0 | 44.641 | 1.18 | 0.0 | 38.788 | 1.587 | 0.0 | 36.489 | 1.343 | 0.0 | 45.427 | 1.925 |
| 149 | 16311 | 16312 | NS | 1 | 0.0 | 42.348 | 0.745 | 0.0 | 40.182 | 1.202 | 0.0 | 37.547 | 0.905 | 0.0 | 46.874 | 1.386 | 0.0 | 43.57 | 0.741 | 0.0 | 40.367 | 1.135 | 0.0 | 35.742 | 0.869 | 0.0 | 47.011 | 1.273 |
| 150 | 16311 | 16312 | NS | 1 | 0.0 | 38.332 | 0.73 | 0.0 | 44.968 | 1.177 | 0.0 | 40.012 | 0.914 | 0.0 | 40.069 | 1.393 | 0.0 | 39.944 | 0.719 | 0.0 | 46.103 | 1.116 | 0.0 | 39.989 | 0.889 | 0.0 | 37.847 | 1.231 |
| 151 | 16311 | 16312 | SN | 1 | 0.0 | 43.262 | 1.204 | 0.0 | 38.997 | 1.713 | 0.0 | 39.611 | 1.344 | 0.0 | 46.365 | 2.154 | 0.0 | 44.641 | 1.186 | 0.0 | 38.788 | 1.61 | 0.0 | 36.489 | 1.332 | 0.0 | 45.427 | 1.944 |
| 152 | 16311 | 16312 | SN | 1 | 0.0 | 42.971 | 1.209 | 0.0 | 38.997 | 1.706 | 0.0 | 39.611 | 1.348 | 0.0 | 46.365 | 2.142 | 0.0 | 44.351 | 1.195 | 0.0 | 38.788 | 1.605 | 0.0 | 36.489 | 1.337 | 0.0 | 45.425 | 1.932 |
| 153 | 16312 | 16313 | NS | 1 | 0.0 | 47.408 | 2.031 | 0.0 | 51.413 | 2.651 | 0.0 | 39.565 | 2.035 | 0.0 | 45.728 | 2.543 | 0.0 | 46.076 | 2.073 | 0.0 | 52.007 | 2.651 | 0.0 | 39.625 | 2.131 | 0.0 | 43.396 | 2.662 |
| 154 | 16312 | 16313 | SN | 1 | 0.0 | 46.314 | 2.966 | 0.0 | 41.388 | 3.462 | 0.0 | 39.414 | 3.49 | 0.0 | 39.824 | 4.259 | 0.0 | 46.239 | 2.883 | 0.0 | 40.361 | 2.842 | 0.0 | 37.266 | 3.251 | 0.0 | 38.473 | 3.701 |
| 155 | 16312 | 16313 | SN | 1 | 0.0 | 40.155 | 0.858 | 0.0 | 40.08 | 1.209 | 0.0 | 37.442 | 1.182 | 0.0 | 37.626 | 1.577 | 0.0 | 40.665 | 0.815 | 0.0 | 38.408 | 1.011 | 0.0 | 38.644 | 1.05 | 0.0 | 38.046 | 1.226 |
| 156 | 16312 | 16313 | NS | 1 | 0.0 | 48.672 | 2.046 | 0.0 | 49.775 | 2.606 | 0.0 | 41.107 | 2.045 | 0.0 | 42.642 | 2.531 | 0.0 | 47.341 | 2.073 | 0.0 | 49.826 | 2.586 | 0.0 | 40.819 | 2.159 | 0.0 | 43.505 | 2.637 |
| 157 | 16312 | 16313 | NS | 1 | 0.0 | 51.251 | 6.298 | 0.0 | 55.421 | 7.54 | 0.0 | 45.804 | 6.391 | 0.0 | 45.499 | 7.848 | 0.0 | 51.308 | 6.339 | 0.0 | 54.431 | 7.773 | 0.0 | 44.027 | 6.903 | 0.0 | 48.606 | 8.374 |
| 158 | 16312 | 16313 | SN | 1 | 0.0 | 40.155 | 0.873 | 0.0 | 40.08 | 1.223 | 0.0 | 37.442 | 1.153 | 0.0 | 39.936 | 1.57 | 0.0 | 40.665 | 0.821 | 0.0 | 38.408 | 1.022 | 0.0 | 38.644 | 1.038 | 0.0 | 38.046 | 1.245 |
| 159 | 16312 | 16313 | NS | 1 | 0.0 | 50.307 | 6.298 | 0.0 | 48.791 | 7.702 | 0.0 | 46.693 | 6.355 | 0.0 | 43.74 | 7.99 | 0.0 | 50.367 | 6.298 | 0.0 | 49.108 | 7.895 | 0.0 | 46.304 | 6.924 | 0.0 | 46.304 | 8.381 |
| 160 | 16312 | 16313 | SN | 1 | 0.0 | 46.314 | 2.887 | 0.0 | 41.729 | 3.553 | 0.0 | 39.414 | 3.527 | 0.0 | 44.148 | 4.261 | 0.0 | 46.239 | 2.846 | 0.0 | 40.361 | 2.964 | 0.0 | 38.306 | 3.264 | 0.0 | 41.502 | 3.727 |
| 161 | 16313 | 16314 | SN | 1 | 0.0 | 37.406 | 1.013 | 0.0 | 45.076 | 1.284 | 0.0 | 40.548 | 1.271 | 0.0 | 38.299 | 1.712 | 0.0 | 38.122 | 0.968 | 0.0 | 46.249 | 1.099 | 0.0 | 40.633 | 1.18 | 0.0 | 38.0 | 1.396 |
| 162 | 16313 | 16314 | NS | 1 | 0.0 | 51.175 | 2.914 | 0.0 | 54.374 | 3.667 | 0.0 | 43.969 | 2.479 | 0.0 | 42.437 | 2.829 | 0.0 | 51.202 | 2.959 | 0.0 | 51.978 | 3.356 | 0.0 | 41.198 | 2.386 | 0.0 | 39.204 | 2.394 |
| 163 | 16313 | 16314 | NS | 1 | 0.0 | 48.18 | 2.889 | 0.0 | 52.487 | 4.027 | 0.0 | 46.781 | 2.545 | 0.0 | 43.356 | 2.971 | 0.0 | 47.396 | 2.859 | 0.0 | 51.791 | 3.845 | 0.0 | 44.254 | 2.495 | 0.0 | 42.579 | 2.509 |
| 164 | 16313 | 16314 | SN | 1 | 0.0 | 37.406 | 1.011 | 0.0 | 43.157 | 1.298 | 0.0 | 35.36 | 1.293 | 0.0 | 37.693 | 1.776 | 0.0 | 38.122 | 0.967 | 0.0 | 43.621 | 1.105 | 0.0 | 35.446 | 1.202 | 0.0 | 38.418 | 1.416 |
| 165 | 16313 | 16314 | NS | 1 | 0.0 | 47.89 | 0.689 | 0.0 | 48.228 | 0.967 | 0.0 | 42.215 | 0.654 | 0.0 | 39.685 | 0.843 | 0.0 | 48.061 | 0.707 | 0.0 | 46.678 | 0.92 | 0.0 | 41.06 | 0.621 | 0.0 | 43.167 | 0.758 |
| 166 | 16313 | 16314 | SN | 1 | 0.0 | 40.813 | 3.476 | 0.0 | 38.85 | 4.03 | 0.0 | 42.334 | 3.679 | 0.0 | 41.283 | 5.05 | 0.0 | 41.704 | 3.547 | 0.0 | 38.542 | 3.604 | 0.0 | 40.838 | 3.615 | 0.0 | 42.053 | 4.431 |
| 167 | 16313 | 16314 | SN | 1 | 0.0 | 40.811 | 3.486 | 0.0 | 39.41 | 4.04 | 0.0 | 43.232 | 3.672 | 0.0 | 41.283 | 5.043 | 0.0 | 41.704 | 3.547 | 0.0 | 38.542 | 3.583 | 0.0 | 41.738 | 3.601 | 0.0 | 42.053 | 4.446 |
| 168 | 16313 | 16314 | NS | 1 | 0.0 | 42.507 | 0.73 | 0.0 | 44.824 | 0.989 | 0.0 | 43.154 | 0.608 | 0.0 | 39.538 | 0.807 | 0.0 | 43.552 | 0.735 | 0.0 | 44.382 | 0.88 | 0.0 | 40.084 | 0.612 | 0.0 | 38.861 | 0.693 |
| 169 | 16313 | 16314 | SN | 1 | 0.0 | 43.949 | 3.435 | 0.0 | 38.85 | 4.031 | 0.0 | 38.997 | 3.724 | 0.0 | 41.701 | 5.131 | 0.0 | 43.298 | 3.498 | 0.0 | 38.542 | 3.624 | 0.0 | 39.355 | 3.68 | 0.0 | 42.472 | 4.545 |
| 170 | 16313 | 16314 | SN | 1 | 0.0 | 37.406 | 1.016 | 0.0 | 45.075 | 1.282 | 0.0 | 39.648 | 1.269 | 0.0 | 38.373 | 1.716 | 0.0 | 38.122 | 0.964 | 0.0 | 46.247 | 1.092 | 0.0 | 39.733 | 1.184 | 0.0 | 37.995 | 1.389 |
| 171 | 16314 | 16315 | SN | 1 | 0.0 | 51.246 | 6.616 | 0.0 | 47.593 | 8.622 | 0.0 | 40.1 | 5.452 | 0.0 | 45.083 | 6.454 | 0.0 | 52.258 | 6.768 | 0.0 | 48.705 | 8.571 | 0.0 | 40.473 | 5.629 | 0.0 | 44.002 | 6.624 |
| 172 | 16314 | 16315 | SN | 1 | 0.0 | 51.246 | 6.636 | 0.0 | 47.593 | 8.683 | 0.0 | 43.277 | 5.494 | 0.0 | 44.716 | 6.404 | 0.0 | 52.258 | 6.809 | 0.0 | 48.705 | 8.612 | 0.0 | 44.288 | 5.679 | 0.0 | 44.196 | 6.61 |
| 173 | 16314 | 16315 | SN | 1 | 0.0 | 42.457 | 1.814 | 0.0 | 45.261 | 2.538 | 0.0 | 38.392 | 1.603 | 0.0 | 45.943 | 2.075 | 0.0 | 43.29 | 1.798 | 0.0 | 42.54 | 2.45 | 0.0 | 36.348 | 1.601 | 0.0 | 43.67 | 2.038 |
| 174 | 16314 | 16315 | SN | 1 | 0.0 | 51.246 | 6.768 | 0.0 | 47.593 | 8.883 | 0.0 | 38.677 | 5.509 | 0.0 | 42.194 | 6.673 | 0.0 | 52.258 | 6.895 | 0.0 | 48.705 | 8.799 | 0.0 | 37.688 | 5.695 | 0.0 | 41.82 | 6.859 |
| 175 | 16314 | 16315 | NS | 1 | 0.0 | 52.114 | 3.662 | 0.096 | 50.299 | 5.081 | 0.0 | 42.281 | 3.42 | 0.0 | 48.724 | 4.463 | 0.0 | 52.656 | 3.702 | 0.081 | 49.658 | 4.625 | 0.0 | 43.349 | 3.228 | 0.0 | 48.881 | 3.682 |

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

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|-----|-------|-------|----|---|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|
| 176 | 16314 | 16315 | NS | 1 | 0.0 | 45.935 | 0.985 | 0.0 | 52.019 | 1.38 | 0.0 | 37.23 | 1.002 | 0.0 | 45.284 | 1.366 | 0.0 | 46.021 | 0.976 | 0.0 | 52.574 | 1.245 | 0.0 | 38.691 | 0.931 | 0.0 | 45.687 | 1.144 |
| 177 | 16314 | 16315 | SN | 1 | 0.0 | 51.985 | 1.861 | 0.0 | 45.261 | 2.634 | 0.0 | 38.392 | 1.642 | 0.0 | 45.943 | 2.149 | 0.0 | 50.689 | 1.847 | 0.0 | 42.54 | 2.548 | 0.0 | 36.348 | 1.64 | 0.0 | 43.67 | 2.121 |
| 178 | 16314 | 16315 | NS | 1 | 0.0 | 45.333 | 3.67 | 0.0 | 49.362 | 4.848 | 0.0 | 41.896 | 3.503 | 0.0 | 47.047 | 4.414 | 0.0 | 45.929 | 3.569 | 0.0 | 46.553 | 4.483 | 0.0 | 43.757 | 3.254 | 0.0 | 48.064 | 3.525 |
| 179 | 16314 | 16315 | SN | 1 | 0.0 | 41.611 | 1.837 | 0.0 | 43.854 | 2.59 | 0.0 | 37.283 | 1.58 | 0.0 | 40.292 | 2.05 | 0.0 | 42.443 | 1.8 | 0.0 | 43.205 | 2.464 | 0.0 | 37.021 | 1.584 | 0.0 | 41.254 | 2.062 |
| 180 | 16314 | 16315 | NS | 1 | 0.0 | 44.523 | 0.998 | 0.0 | 48.546 | 1.489 | 0.0 | 46.207 | 1.007 | 0.0 | 48.819 | 1.316 | 0.0 | 44.141 | 0.976 | 0.0 | 48.318 | 1.417 | 0.0 | 47.006 | 0.919 | 0.0 | 44.312 | 1.049 |
| 181 | 16315 | 16316 | NS | 1 | 0.0 | 50.899 | 1.78 | 0.0 | 46.741 | 2.892 | 0.0 | 38.916 | 2.207 | 0.0 | 41.022 | 2.906 | 0.0 | 52.279 | 1.841 | 0.0 | 47.238 | 2.785 | 0.0 | 38.775 | 2.2 | 0.0 | 40.979 | 2.693 |
| 182 | 16315 | 16316 | SN | 1 | 0.0 | 43.745 | 1.755 | 0.0 | 47.05 | 2.369 | 0.0 | 42.352 | 1.704 | 0.0 | 45.813 | 2.08 | 0.0 | 43.527 | 1.751 | 0.0 | 49.537 | 2.165 | 0.0 | 43.32 | 1.619 | 0.0 | 44.09 | 1.945 |
| 183 | 16315 | 16316 | SN | 1 | 0.0 | 51.642 | 7.092 | 0.0 | 47.4 | 8.175 | 0.0 | 47.335 | 5.906 | 0.0 | 46.373 | 6.774 | 0.0 | 52.69 | 7.143 | 0.0 | 48.375 | 7.769 | 0.0 | 45.448 | 5.764 | 0.0 | 46.484 | 6.354 |
| 184 | 16315 | 16316 | NS | 1 | 0.0 | 49.309 | 6.563 | 0.676 | 50.387 | 8.854 | 0.0 | 41.588 | 6.939 | 0.0 | 45.027 | 8.55 | 0.0 | 49.444 | 6.725 | 0.589 | 52.113 | 8.631 | 0.0 | 42.539 | 7.202 | 0.0 | 47.435 | 8.401 |
| 185 | 16315 | 16316 | NS | 1 | 0.0 | 48.888 | 6.571 | 0.0 | 46.48 | 8.652 | 0.0 | 44.985 | 7.241 | 0.0 | 43.188 | 8.544 | 0.0 | 48.058 | 6.672 | 0.0 | 45.679 | 8.459 | 0.0 | 45.158 | 7.433 | 0.0 | 44.5 | 8.33 |
| 186 | 16315 | 16316 | SN | 1 | 0.0 | 51.13 | 7.042 | 0.0 | 52.409 | 8.165 | 0.0 | 45.517 | 5.793 | 0.0 | 45.474 | 6.653 | 0.0 | 52.509 | 7.102 | 0.0 | 51.352 | 7.749 | 0.0 | 44.738 | 5.672 | 0.0 | 44.658 | 6.297 |
| 187 | 16315 | 16316 | SN | 1 | 0.0 | 43.989 | 1.833 | 0.0 | 42.573 | 2.434 | 0.0 | 41.976 | 1.726 | 0.0 | 45.264 | 2.149 | 0.0 | 45.963 | 1.843 | 0.0 | 45.202 | 2.267 | 0.0 | 42.943 | 1.662 | 0.0 | 42.348 | 1.967 |
| 188 | 16315 | 16316 | NS | 1 | 0.0 | 43.653 | 1.793 | 0.0 | 52.671 | 2.845 | 0.0 | 42.287 | 2.222 | 0.0 | 44.438 | 2.907 | 0.0 | 45.484 | 1.822 | 0.0 | 54.444 | 2.838 | 0.0 | 43.597 | 2.178 | 0.0 | 44.919 | 2.635 |
| 189 | 16315 | 16316 | SN | 1 | 0.0 | 43.989 | 1.778 | 0.0 | 42.573 | 2.35 | 0.0 | 41.976 | 1.688 | 0.0 | 45.264 | 2.073 | 0.0 | 45.963 | 1.787 | 0.0 | 45.202 | 2.169 | 0.0 | 42.943 | 1.621 | 0.0 | 42.348 | 1.887 |
| 190 | 16315 | 16316 | SN | 1 | 0.0 | 51.642 | 7.442 | 0.0 | 47.4 | 8.306 | 0.0 | 47.335 | 6.075 | 0.0 | 46.373 | 7.017 | 0.0 | 52.69 | 7.507 | 0.0 | 48.375 | 7.938 | 0.0 | 45.448 | 5.938 | 0.0 | 46.484 | 6.606 |
| 191 | 16316 | 16317 | NS | 1 | 0.0 | 49.94 | 6.626 | 0.0 | 46.781 | 8.368 | 0.0 | 45.172 | 5.873 | 0.0 | 47.477 | 7.193 | 0.0 | 50.564 | 6.667 | 0.0 | 46.945 | 8.419 | 0.0 | 44.841 | 6.022 | 0.0 | 48.988 | 7.385 |
| 192 | 16316 | 16317 | NS | 1 | 0.0 | 49.94 | 6.636 | 0.0 | 49.507 | 8.368 | 0.0 | 43.752 | 5.93 | 0.0 | 47.477 | 7.193 | 0.0 | 50.564 | 6.667 | 0.0 | 49.182 | 8.439 | 0.0 | 43.422 | 6.107 | 0.0 | 48.988 | 7.392 |
| 193 | 16316 | 16317 | SN | 1 | 0.0 | 45.944 | 1.989 | 0.0 | 48.826 | 2.528 | 0.0 | 40.432 | 1.323 | 0.0 | 43.347 | 1.91 | 0.0 | 45.908 | 1.996 | 0.0 | 47.432 | 2.424 | 0.0 | 41.149 | 1.298 | 0.0 | 42.841 | 1.724 |
| 194 | 16316 | 16317 | SN | 1 | 0.0 | 45.944 | 1.989 | 0.0 | 48.826 | 2.528 | 0.0 | 40.432 | 1.323 | 0.0 | 43.347 | 1.91 | 0.0 | 45.908 | 1.996 | 0.0 | 47.432 | 2.424 | 0.0 | 41.149 | 1.298 | 0.0 | 42.841 | 1.724 |
| 195 | 16316 | 16317 | NS | 1 | 0.0 | 38.138 | 1.645 | 0.0 | 45.576 | 2.422 | 0.0 | 38.359 | 1.959 | 0.0 | 45.149 | 2.445 | 0.0 | 39.046 | 1.692 | 0.0 | 46.453 | 2.382 | 0.0 | 42.623 | 1.929 | 0.0 | 43.523 | 2.378 |
| 196 | 16316 | 16317 | SN | 1 | 0.0 | 50.921 | 7.243 | 0.0 | 56.394 | 8.535 | 0.0 | 45.143 | 5.399 | 0.0 | 47.437 | 6.849 | 0.0 | 51.418 | 7.496 | 0.0 | 56.486 | 8.363 | 0.0 | 47.409 | 5.357 | 0.0 | 47.17 | 6.593 |
| 197 | 16316 | 16317 | NS | 1 | 0.0 | 38.138 | 1.638 | 0.0 | 45.576 | 2.415 | 0.0 | 38.359 | 1.954 | 0.0 | 45.149 | 2.449 | 0.0 | 39.046 | 1.688 | 0.0 | 46.453 | 2.373 | 0.0 | 42.623 | 1.922 | 0.0 | 43.523 | 2.381 |
| 198 | 16316 | 16317 | SN | 1 | 0.0 | 45.944 | 2.133 | 0.0 | 48.826 | 2.617 | 0.0 | 40.432 | 1.408 | 0.0 | 43.347 | 1.954 | 0.0 | 45.908 | 2.136 | 0.0 | 47.432 | 2.556 | 0.0 | 41.149 | 1.393 | 0.0 | 42.841 | 1.807 |
| 199 | 16316 | 16317 | SN | 1 | 0.0 | 50.921 | 7.243 | 0.0 | 56.394 | 8.535 | 0.0 | 45.143 | 5.399 | 0.0 | 47.437 | 6.849 | 0.0 | 51.418 | 7.496 | 0.0 | 56.486 | 8.363 | 0.0 | 47.409 | 5.357 | 0.0 | 47.17 | 6.593 |
| 200 | 16316 | 16317 | SN | 1 | 0.0 | 50.921 | 7.681 | 0.0 | 56.394 | 8.508 | 0.0 | 45.143 | 5.761 | 0.0 | 47.437 | 6.964 | 0.0 | 51.418 | 7.948 | 0.0 | 56.486 | 8.464 | 0.0 | 47.409 | 5.722 | 0.0 | 47.17 | 6.832 |
| 201 | 16317 | 16318 | NS | 1 | 0.0 | 50.039 | 1.536 | 0.0 | 48.403 | 2.08 | 0.0 | 40.398 | 1.46 | 0.0 | 42.846 | 2.206 | 0.0 | 48.922 | 1.551 | 0.0 | 49.59 | 1.955 | 0.0 | 38.727 | 1.366 | 0.0 | 43.689 | 1.928 |
| 202 | 16317 | 16318 | SN | 1 | 0.0 | 42.244 | 1.541 | 0.0 | 43.859 | 2.204 | 0.0 | 44.79 | 1.465 | 0.0 | 43.943 | 2.092 | 0.0 | 42.356 | 1.52 | 0.0 | 46.349 | 2.062 | 0.0 | 44.993 | 1.458 | 0.0 | 45.681 | 1.91 |
| 203 | 16317 | 16318 | SN | 1 | 0.0 | 48.367 | 5.845 | 0.0 | 52.513 | 6.79 | 0.0 | 43.717 | 5.052 | 0.0 | 48.553 | 6.507 | 0.0 | 50.768 | 5.956 | 0.0 | 52.237 | 6.607 | 0.0 | 42.024 | 5.073 | 0.0 | 48.063 | 6.116 |
| 204 | 16317 | 16318 | SN | 1 | 0.0 | 42.498 | 1.554 | 0.0 | 45.171 | 2.225 | 0.0 | 44.792 | 1.47 | 0.0 | 48.669 | 2.115 | 0.0 | 42.492 | 1.532 | 0.0 | 46.149 | 2.073 | 0.0 | 44.995 | 1.443 | 0.0 | 45.909 | 1.939 |
| 205 | 16317 | 16318 | SN | 1 | 0.0 | 48.367 | 5.845 | 0.0 | 51.699 | 6.79 | 0.0 | 43.717 | 5.059 | 0.0 | 48.297 | 6.55 | 0.0 | 50.766 | 5.946 | 0.0 | 49.741 | 6.617 | 0.0 | 41.694 | 5.073 | 0.0 | 46.576 | 6.152 |
| 206 | 16317 | 16318 | NS | 1 | 0.0 | 46.464 | 5.619 | 0.0 | 49.926 | 7.49 | 0.0 | 47.524 | 5.147 | 0.0 | 50.26 | 6.995 | 0.0 | 47.063 | 5.68 | 0.0 | 51.668 | 7.135 | 0.0 | 47.765 | 4.941 | 0.0 | 50.09 | 6.291 |
| 207 | 16317 | 16318 | NS | 1 | 0.0 | 49.031 | 5.571 | 0.0 | 52.634 | 7.455 | 0.0 | 45.408 | 5.14 | 0.0 | 51.967 | 6.831 | 0.0 | 48.962 | 5.581 | 0.0 | 50.935 | 7.019 | 0.0 | 47.92 | 4.998 | 0.0 | 48.338 | 5.949 |
| 208 | 16317 | 16318 | NS | 1 | 0.0 | 40.052 | 1.469 | 0.0 | 44.223 | 2.11 | 0.0 | 42.487 | 1.448 | 0.0 | 44.315 | 2.227 | 0.0 | 39.835 | 1.46 | 0.0 | 43.299 | 2.011 | 0.0 | 39.725 | 1.379 | 0.0 | 44.676 | 1.851 |
| 209 | 16318 | 16319 | NS | 1 | 0.0 | 49.905 | 4.787 | 1.745 | 54.659 | 5.562 | 0.0 | 44.694 | 4.059 | 0.0 | 49.687 | 5.261 | 0.0 | 50.663 | 4.817 | 0.607 | 57.475 | 5.106 | 0.0 | 44.194 | 3.704 | 0.0 | 47.145 | 4.528 |
| 210 | 16318 | 16319 | NS | 1 | 0.0 | 49.207 | 1.104 | 0.0 | 47.253 | 1.379 | 0.0 | 37.648 | 1.172 | 0.0 | 51.588 | 1.69 | 0.0 | 50.663 | 1.077 | 0.0 | 46.728 | 1.288 | 0.0 | 38.787 | 1.052 | 0.0 | 48.192 | 1.329 |
| 211 | 16318 | 16319 | SN | 1 | 0.0 | 43.896 | 0.999 | 0.0 | 46.911 | 1.101 | 0.0 | 43.878 | 1.118 | 0.0 | 48.068 | 1.309 | 0.0 | 45.605 | 0.974 | 0.0 | 47.098 | 0.979 | 0.0 | 46.458 | 1.084 | 0.0 | 45.302 | 1.106 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|
| 212 | 16318 | 16319 | SN | 1 | 0.0 | 50.708 | 3.84 | 0.0 | 50.129 | 4.02 | 0.0 | 45.35 | 3.754 | 0.0 | 49.96 | 4.495 | 0.0 | 51.781 | 3.86 | 0.0 | 49.289 | 3.665 | 0.0 | 45.535 | 3.47 | 0.0 | 46.602 | 3.827 |
| 213 | 16318 | 16319 | NS | 1 | 0.0 | 49.905 | 4.787 | 1.748 | 54.659 | 5.572 | 0.0 | 44.506 | 4.08 | 0.0 | 45.859 | 5.218 | 0.0 | 50.663 | 4.828 | 0.607 | 57.475 | 5.095 | 0.0 | 44.194 | 3.732 | 0.0 | 43.731 | 4.528 |
| 214 | 16318 | 16319 | NS | 1 | 0.0 | 49.207 | 1.122 | 0.0 | 47.253 | 1.368 | 0.0 | 37.648 | 1.18 | 0.0 | 47.761 | 1.699 | 0.0 | 50.663 | 1.102 | 0.0 | 46.728 | 1.291 | 0.0 | 38.787 | 1.057 | 0.0 | 44.364 | 1.333 |
| 215 | 16319 | 16320 | SN | 1 | 0.0 | 41.871 | 1.581 | 0.0 | 54.635 | 2.061 | 0.0 | 43.874 | 1.818 | 0.0 | 44.026 | 2.289 | 0.0 | 42.714 | 1.59 | 0.0 | 52.37 | 2.065 | 0.0 | 41.702 | 1.845 | 0.0 | 49.252 | 2.186 |
| 216 | 16319 | 16320 | SN | 1 | 0.0 | 49.411 | 5.642 | 0.0 | 51.947 | 7.078 | 0.0 | 49.917 | 5.846 | 0.0 | 49.171 | 7.308 | 0.0 | 50.783 | 5.652 | 0.0 | 49.899 | 6.733 | 0.0 | 50.381 | 5.889 | 0.0 | 49.024 | 7.094 |
| 217 | 16319 | 16320 | NS | 1 | 0.0 | 47.284 | 4.288 | 0.0 | 44.787 | 5.08 | 0.0 | 42.018 | 4.144 | 0.0 | 43.46 | 5.039 | 0.0 | 48.983 | 4.45 | 0.0 | 44.367 | 5.374 | 0.0 | 40.109 | 4.3 | 0.0 | 44.343 | 4.996 |
| 218 | 16319 | 16320 | NS | 1 | 0.0 | 44.408 | 1.212 | 0.0 | 44.563 | 1.502 | 0.0 | 41.361 | 1.348 | 0.0 | 41.958 | 1.751 | 0.0 | 45.196 | 1.237 | 0.0 | 45.056 | 1.581 | 0.0 | 39.026 | 1.335 | 0.0 | 43.671 | 1.754 |
| 219 | 16320 | 16321 | SN | 1 | 0.0 | 46.627 | 0.905 | 0.0 | 50.978 | 1.188 | 0.0 | 44.662 | 0.983 | 0.0 | 43.978 | 1.318 | 0.0 | 48.169 | 0.875 | 0.0 | 48.521 | 1.086 | 0.0 | 44.709 | 0.926 | 0.0 | 44.649 | 1.162 |
| 220 | 16320 | 16321 | NS | 1 | 0.0 | 45.853 | 1.183 | 0.0 | 47.074 | 1.727 | 0.0 | 38.11 | 1.566 | 0.0 | 49.786 | 2.038 | 0.0 | 47.807 | 1.16 | 0.0 | 48.414 | 1.562 | 0.0 | 38.235 | 1.413 | 0.0 | 50.255 | 1.755 |
| 221 | 16320 | 16321 | SN | 1 | 0.0 | 43.444 | 3.576 | 0.0 | 50.803 | 4.245 | 0.0 | 42.609 | 3.741 | 0.0 | 48.594 | 4.426 | 0.0 | 44.251 | 3.627 | 0.0 | 50.988 | 3.91 | 0.0 | 43.743 | 3.443 | 0.0 | 46.241 | 3.814 |
| 222 | 16320 | 16321 | SN | 1 | 0.0 | 41.854 | 3.566 | 0.0 | 53.283 | 4.275 | 0.0 | 42.317 | 3.656 | 0.0 | 44.328 | 4.468 | 0.0 | 42.993 | 3.576 | 0.0 | 52.922 | 3.92 | 0.0 | 43.45 | 3.457 | 0.0 | 44.887 | 3.864 |
| 223 | 16320 | 16321 | NS | 1 | 0.0 | 45.853 | 1.181 | 0.0 | 47.074 | 1.717 | 0.0 | 38.11 | 1.551 | 0.0 | 49.786 | 1.999 | 0.0 | 47.807 | 1.15 | 0.0 | 48.414 | 1.541 | 0.0 | 38.235 | 1.391 | 0.0 | 50.255 | 1.714 |
| 224 | 16320 | 16321 | NS | 1 | 0.0 | 48.333 | 3.024 | 0.0 | 47.895 | 4.928 | 0.0 | 39.306 | 4.287 | 0.0 | 52.49 | 5.486 | 0.0 | 48.056 | 3.024 | 0.0 | 47.946 | 4.33 | 0.0 | 40.351 | 4.195 | 0.0 | 48.485 | 4.925 |
| 225 | 16320 | 16321 | SN | 1 | 0.0 | 46.063 | 0.855 | 0.0 | 52.411 | 1.204 | 0.0 | 43.89 | 0.964 | 0.0 | 46.192 | 1.325 | 0.0 | 47.606 | 0.844 | 0.0 | 49.953 | 1.09 | 0.0 | 43.935 | 0.919 | 0.0 | 42.841 | 1.148 |
| 226 | 16320 | 16321 | NS | 1 | 0.0 | 48.333 | 3.053 | 0.0 | 47.895 | 5.007 | 0.0 | 39.306 | 4.31 | 0.0 | 52.49 | 5.608 | 0.0 | 48.056 | 3.033 | 0.0 | 47.946 | 4.408 | 0.0 | 40.351 | 4.223 | 0.0 | 48.485 | 5.022 |
| 227 | 16321 | 16322 | NS | 1 | 0.0 | 43.816 | 3.357 | 0.0 | 43.935 | 4.473 | 0.0 | 43.615 | 4.142 | 0.0 | 44.167 | 4.989 | 0.0 | 42.623 | 3.357 | 0.0 | 43.568 | 4.088 | 0.0 | 42.209 | 4.078 | 0.0 | 45.833 | 4.627 |
| 228 | 16321 | 16322 | SN | 1 | 0.0 | 44.97 | 0.878 | 0.0 | 40.878 | 1.294 | 0.0 | 39.968 | 1.027 | 0.0 | 42.982 | 1.419 | 0.0 | 44.895 | 0.88 | 0.0 | 42.24 | 1.197 | 0.0 | 40.685 | 0.96 | 0.0 | 43.034 | 1.217 |
| 229 | 16321 | 16322 | SN | 1 | 0.0 | 50.23 | 0.887 | 0.0 | 41.107 | 1.301 | 0.0 | 44.665 | 0.992 | 0.0 | 42.198 | 1.411 | 0.0 | 50.155 | 0.884 | 0.0 | 42.702 | 1.199 | 0.0 | 45.395 | 0.935 | 0.0 | 41.717 | 1.192 |
| 230 | 16321 | 16322 | NS | 1 | 0.0 | 54.06 | 1.039 | 0.0 | 46.255 | 1.34 | 0.0 | 41.815 | 1.316 | 0.0 | 42.034 | 1.755 | 0.0 | 53.014 | 1.028 | 0.0 | 46.063 | 1.207 | 0.0 | 41.987 | 1.233 | 0.0 | 40.785 | 1.521 |
| 231 | 16321 | 16322 | NS | 1 | 0.0 | 54.06 | 1.039 | 0.0 | 46.255 | 1.34 | 0.0 | 41.815 | 1.316 | 0.0 | 42.034 | 1.755 | 0.0 | 53.014 | 1.028 | 0.0 | 46.063 | 1.207 | 0.0 | 41.987 | 1.233 | 0.0 | 40.785 | 1.521 |
| 232 | 16321 | 16322 | SN | 1 | 0.0 | 45.194 | 3.404 | 0.0 | 50.91 | 4.428 | 0.0 | 44.968 | 3.556 | 0.0 | 47.009 | 4.646 | 0.0 | 46.163 | 3.526 | 0.0 | 51.342 | 4.235 | 0.0 | 46.655 | 3.336 | 0.0 | 43.858 | 3.985 |
| 233 | 16321 | 16322 | NS | 1 | 0.0 | 43.816 | 3.544 | 0.0 | 43.935 | 4.71 | 0.0 | 43.615 | 4.311 | 0.0 | 44.167 | 5.244 | 0.0 | 42.623 | 3.544 | 0.0 | 43.568 | 4.284 | 0.0 | 42.209 | 4.229 | 0.0 | 45.833 | 4.848 |
| 234 | 16321 | 16322 | SN | 1 | 0.0 | 45.797 | 3.384 | 0.0 | 50.33 | 4.387 | 0.0 | 42.245 | 3.542 | 0.0 | 50.752 | 4.618 | 0.0 | 46.998 | 3.495 | 0.0 | 51.286 | 4.225 | 0.0 | 41.542 | 3.4 | 0.0 | 50.287 | 4.049 |
| 235 | 16321 | 16322 | NS | 1 | 0.0 | 54.06 | 1.095 | 0.0 | 46.255 | 1.399 | 0.0 | 41.815 | 1.378 | 0.0 | 42.034 | 1.84 | 0.0 | 53.014 | 1.085 | 0.0 | 46.063 | 1.266 | 0.0 | 41.987 | 1.286 | 0.0 | 40.785 | 1.592 |
| 236 | 16321 | 16322 | NS | 1 | 0.0 | 43.816 | 3.357 | 0.0 | 43.935 | 4.473 | 0.0 | 43.615 | 4.142 | 0.0 | 44.167 | 4.989 | 0.0 | 42.623 | 3.357 | 0.0 | 43.568 | 4.088 | 0.0 | 42.209 | 4.078 | 0.0 | 45.833 | 4.627 |
| 237 | 16322 | 16323 | NS | 1 | 0.0 | 44.105 | 4.792 | 0.0 | 53.896 | 5.25 | 0.0 | 40.534 | 4.441 | 0.0 | 48.953 | 6.108 | 0.0 | 45.069 | 4.837 | 0.0 | 54.133 | 4.947 | 0.0 | 38.683 | 4.418 | 0.0 | 45.173 | 5.896 |
| 238 | 16322 | 16323 | SN | 1 | 0.0 | 43.686 | 1.635 | 0.0 | 44.475 | 2.116 | 0.0 | 42.426 | 2.042 | 0.0 | 39.24 | 2.642 | 0.0 | 42.626 | 1.583 | 0.0 | 44.16 | 1.999 | 0.0 | 40.753 | 2.019 | 0.0 | 36.958 | 2.408 |
| 239 | 16322 | 16323 | NS | 1 | 0.0 | 45.511 | 1.547 | 0.0 | 41.395 | 1.872 | 0.0 | 36.885 | 1.451 | 0.0 | 42.529 | 2.027 | 0.0 | 46.262 | 1.584 | 0.0 | 41.932 | 1.79 | 0.0 | 38.051 | 1.437 | 0.0 | 41.848 | 1.859 |
| 240 | 16322 | 16323 | NS | 1 | 0.0 | 45.511 | 1.399 | 0.0 | 41.395 | 1.701 | 0.0 | 36.885 | 1.302 | 0.0 | 42.529 | 1.835 | 0.0 | 46.262 | 1.432 | 0.0 | 41.932 | 1.629 | 0.0 | 38.051 | 1.309 | 0.0 | 41.848 | 1.694 |
| 241 | 16322 | 16323 | NS | 1 | 0.0 | 44.105 | 4.342 | 0.0 | 53.896 | 4.757 | 0.0 | 40.534 | 4.031 | 0.0 | 48.953 | 5.565 | 0.0 | 45.069 | 4.382 | 0.0 | 54.133 | 4.483 | 0.0 | 38.683 | 4.003 | 0.0 | 45.173 | 5.352 |
| 242 | 16322 | 16323 | SN | 1 | 0.0 | 43.686 | 1.635 | 0.0 | 44.475 | 2.116 | 0.0 | 42.426 | 2.042 | 0.0 | 39.24 | 2.642 | 0.0 | 42.626 | 1.583 | 0.0 | 44.16 | 1.999 | 0.0 | 40.753 | 2.019 | 0.0 | 36.958 | 2.408 |
| 243 | 16322 | 16323 | SN | 1 | 0.0 | 52.135 | 6.159 | 0.0 | 52.349 | 7.185 | 0.0 | 41.195 | 6.265 | 0.0 | 47.109 | 7.616 | 0.0 | 52.113 | 6.301 | 0.0 | 52.609 | 6.88 | 0.0 | 40.542 | 6.343 | 0.0 | 50.182 | 7.367 |
| 244 | 16322 | 16323 | NS | 1 | 0.0 | 44.105 | 4.342 | 0.0 | 53.896 | 4.757 | 0.0 | 40.534 | 4.031 | 0.0 | 48.953 | 5.565 | 0.0 | 45.069 | 4.382 | 0.0 | 54.133 | 4.483 | 0.0 | 38.683 | 4.003 | 0.0 | 45.173 | 5.352 |
| 245 | 16322 | 16323 | SN | 1 | 0.0 | 52.135 | 6.159 | 0.0 | 52.349 | 7.185 | 0.0 | 41.195 | 6.265 | 0.0 | 47.109 | 7.616 | 0.0 | 52.113 | 6.301 | 0.0 | 52.609 | 6.88 | 0.0 | 40.542 | 6.343 | 0.0 | 50.182 | 7.367 |
| 246 | 16322 | 16323 | NS | 1 | 0.0 | 45.511 | 1.399 | 0.0 | 41.395 | 1.701 | 0.0 | 36.885 | 1.302 | 0.0 | 42.529 | 1.835 | 0.0 | 46.262 | 1.432 | 0.0 | 41.932 | 1.629 | 0.0 | 38.051 | 1.309 | 0.0 | 41.848 | 1.694 |
| 247 | 16323 | 16324 | SN | 1 | 0.0 | 42.638 | 5.371 | 0.0 | 50.069 | 6.361 | 0.0 | 41.701 | 4.914 | 0.0 | 45.519 | 6.789 | 0.0 | 42.72 | 5.6 | 0.0 | 53.648 | 6.12 | 0.0 | 40.031 | 5.037 | 0.0 | 40.075 | 6.429 |

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

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|-----|-------|-------|----|---|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-------|--------|-------|-----|--------|-------|-----|--------|-------|
| 248 | 16323 | 16324 | NS | 1 | 0.0 | 50.203 | 5.903 | 0.888 | 52.875 | 7.308 | 0.0 | 50.649 | 5.893 | 0.0 | 50.028 | 7.031 | 0.0 | 50.841 | 5.984 | 0.767 | 50.841 | 7.095 | 0.0 | 48.283 | 6.014 | 0.0 | 48.631 | 7.059 |
| 249 | 16323 | 16324 | SN | 1 | 0.0 | 40.323 | 1.386 | 0.0 | 44.581 | 1.872 | 0.0 | 36.938 | 1.56 | 0.0 | 40.121 | 2.263 | 0.0 | 41.052 | 1.425 | 0.0 | 44.827 | 1.804 | 0.0 | 36.78 | 1.488 | 0.0 | 39.01 | 2.083 |
| 250 | 16323 | 16324 | SN | 1 | 0.0 | 40.323 | 1.34 | 0.0 | 40.332 | 1.764 | 0.0 | 36.938 | 1.492 | 0.0 | 40.121 | 2.094 | 0.0 | 41.052 | 1.345 | 0.0 | 38.246 | 1.703 | 0.0 | 36.78 | 1.41 | 0.0 | 39.01 | 1.932 |
| 251 | 16323 | 16324 | SN | 1 | 0.0 | 47.321 | 5.379 | 0.0 | 44.509 | 6.0 | 0.0 | 40.715 | 4.763 | 0.0 | 45.519 | 6.309 | 0.0 | 47.05 | 5.552 | 0.0 | 45.505 | 5.797 | 0.0 | 39.282 | 4.82 | 0.0 | 48.055 | 6.032 |
| 252 | 16323 | 16324 | NS | 1 | 0.0 | 50.759 | 5.974 | 0.888 | 52.875 | 7.318 | 0.0 | 50.647 | 5.95 | 0.0 | 44.371 | 7.095 | 0.0 | 50.584 | 6.014 | 0.767 | 51.92 | 7.146 | 0.0 | 48.047 | 6.121 | 0.0 | 46.733 | 6.952 |
| 253 | 16323 | 16324 | NS | 1 | 0.0 | 45.541 | 1.924 | 0.0 | 44.069 | 2.321 | 0.0 | 38.038 | 1.772 | 0.0 | 42.717 | 2.258 | 0.0 | 47.851 | 1.926 | 0.0 | 44.94 | 2.258 | 0.0 | 38.104 | 1.781 | 0.0 | 42.403 | 2.284 |
| 254 | 16323 | 16324 | NS | 1 | 0.0 | 45.541 | 2.15 | 0.0 | 44.069 | 2.721 | 0.0 | 38.038 | 1.953 | 0.0 | 42.717 | 2.603 | 0.0 | 47.851 | 2.16 | 0.0 | 44.94 | 2.649 | 0.0 | 38.104 | 1.999 | 0.0 | 42.403 | 2.649 |
| 255 | 16323 | 16324 | NS | 1 | 0.0 | 45.494 | 1.89 | 0.0 | 52.238 | 2.337 | 0.0 | 41.036 | 1.74 | 0.0 | 40.132 | 2.213 | 0.0 | 47.021 | 1.929 | 0.0 | 51.86 | 2.292 | 0.0 | 39.871 | 1.786 | 0.0 | 39.254 | 2.26 |
| 256 | 16323 | 16324 | NS | 1 | 0.0 | 50.203 | 6.228 | 0.888 | 52.875 | 8.403 | 0.0 | 50.649 | 6.39 | 0.0 | 50.028 | 8.006 | 0.0 | 50.841 | 6.335 | 0.767 | 50.841 | 8.212 | 0.0 | 48.283 | 6.64 | 0.0 | 48.631 | 8.214 |

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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 | 16295 | 16296 | NS | 1 | 0.0 | 57.977 | 6.318 | 0.0 | 24.658 | 6.943 | 0.0 | 338.42 | 2.414 | 0.0 | 48.835 | 3.104 | 0.0 | 1.442 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.139 | 0.0 |
| 2 | 16295 | 16296 | NS | 1 | 0.0 | 57.977 | 6.313 | 0.0 | 24.658 | 6.938 | 0.0 | 338.409 | 2.413 | 0.0 | 48.835 | 3.107 | 0.0 | 1.441 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.139 | 0.0 |
| 3 | 16295 | 16296 | SN | 1 | 0.0 | 23.378 | 5.98 | 0.0 | 225.177 | 7.557 | 0.0 | 144.123 | 2.181 | 0.0 | 272.298 | 3.155 | 0.0 | 1.444 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.135 | 0.0 |
| 4 | 16295 | 16296 | NS | 1 | 0.0 | 218.548 | 10.205 | 0.0 | 29.996 | 14.355 | 0.0 | 264.381 | 10.187 | 0.0 | 74.077 | 12.851 | 0.0 | 1.42 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.138 | 0.0 |
| 5 | 16295 | 16296 | NS | 1 | 0.0 | 218.543 | 10.205 | 0.0 | 29.996 | 14.355 | 0.0 | 264.381 | 10.187 | 0.0 | 74.083 | 12.858 | 0.0 | 1.42 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.138 | 0.0 |
| 6 | 16295 | 16296 | SN | 1 | 0.0 | 28.479 | 12.931 | 0.0 | 39.898 | 12.797 | 0.0 | 155.705 | 11.652 | 0.0 | 43.737 | 13.096 | 0.0 | 1.454 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.135 | 0.0 |
| 7 | 16295 | 16296 | SN | 1 | 0.0 | 23.378 | 5.928 | 0.0 | 225.177 | 7.557 | 0.0 | 144.123 | 2.139 | 0.0 | 272.298 | 3.287 | 0.0 | 1.444 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.135 | 0.0 |
| 8 | 16295 | 16296 | SN | 1 | 0.0 | 28.479 | 12.895 | 0.0 | 39.898 | 13.073 | 0.0 | 155.705 | 11.459 | 0.0 | 69.803 | 13.584 | 0.0 | 1.454 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.135 | 0.0 |
| 9 | 16296 | 16297 | SN | 1 | 0.0 | 23.384 | 5.945 | 0.0 | 24.757 | 7.566 | 0.0 | 139.557 | 2.146 | 0.0 | 14.416 | 3.207 | 0.0 | 1.444 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.135 | 0.0 |
| 10 | 16296 | 16297 | SN | 1 | 0.0 | 28.634 | 12.919 | 0.0 | 25.678 | 12.984 | 0.0 | 153.129 | 11.517 | 0.0 | 21.133 | 13.314 | 0.0 | 1.453 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.131 | 0.0 |
| 11 | 16296 | 16297 | SN | 1 | 0.0 | 23.384 | 5.945 | 0.0 | 24.757 | 7.566 | 0.0 | 139.557 | 2.146 | 0.0 | 14.416 | 3.207 | 0.0 | 1.444 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.135 | 0.0 |
| 12 | 16296 | 16297 | NS | 1 | 0.0 | 24.04 | 10.174 | 0.0 | 29.985 | 14.274 | 0.0 | 352.417 | 10.138 | 0.0 | 79.168 | 12.98 | 0.0 | 1.42 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.139 | 0.0 |
| 13 | 16296 | 16297 | NS | 1 | 0.0 | 24.751 | 6.312 | 0.0 | 24.647 | 6.913 | 0.0 | 163.032 | 2.361 | 0.0 | 57.152 | 3.088 | 0.0 | 1.441 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.138 | 0.0 |
| 14 | 16296 | 16297 | SN | 1 | 0.0 | 28.634 | 12.919 | 0.0 | 25.678 | 12.984 | 0.0 | 153.129 | 11.517 | 0.0 | 21.133 | 13.314 | 0.0 | 1.453 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.131 | 0.0 |
| 15 | 16296 | 16297 | NS | 1 | 0.0 | 24.757 | 6.314 | 0.0 | 24.647 | 6.911 | 0.0 | 163.032 | 2.36 | 0.0 | 57.152 | 3.083 | 0.0 | 1.441 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.139 | 0.0 |
| 16 | 16296 | 16297 | NS | 1 | 0.0 | 24.04 | 10.174 | 0.0 | 29.985 | 14.274 | 0.0 | 352.422 | 10.124 | 0.0 | 79.173 | 12.966 | 0.0 | 1.42 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.139 | 0.0 |
| 17 | 16296 | 16297 | SN | 1 | 0.0 | 23.384 | 5.916 | 0.0 | 24.757 | 7.561 | 0.0 | 139.557 | 2.13 | 0.0 | 52.006 | 3.299 | 0.0 | 1.444 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.135 | 0.0 |
| 18 | 16296 | 16297 | SN | 1 | 0.0 | 28.634 | 12.902 | 0.0 | 25.678 | 13.155 | 0.0 | 153.129 | 11.442 | 0.0 | 77.298 | 13.563 | 0.0 | 1.453 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.131 | 0.0 |
| 19 | 16297 | 16298 | SN | 1 | 0.0 | 22.082 | 5.948 | 0.0 | 24.757 | 7.622 | 0.0 | 149.87 | 2.162 | 0.0 | 210.753 | 3.165 | 0.0 | 1.439 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.137 | 0.0 |
| 20 | 16297 | 16298 | SN | 1 | 0.0 | 28.49 | 12.912 | 0.0 | 220.399 | 12.93 | 0.0 | 153.532 | 11.494 | 0.0 | 52.599 | 13.231 | 0.0 | 1.455 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.825 | 0.0 | 0.0 | 2.138 | 0.0 |
| 21 | 16297 | 16298 | NS | 1 | 0.0 | 150.811 | 10.231 | 0.0 | 29.98 | 14.462 | 0.0 | 347.95 | 10.065 | 0.0 | 67.305 | 12.917 | 0.0 | 1.42 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.139 | 0.0 |
| 22 | 16297 | 16298 | SN | 1 | 0.0 | 22.082 | 5.914 | 0.0 | 24.757 | 7.625 | 0.0 | 149.87 | 2.145 | 0.0 | 210.753 | 3.275 | 0.0 | 1.439 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.137 | 0.0 |
| 23 | 16297 | 16298 | SN | 1 | 0.0 | 28.49 | 12.898 | 0.0 | 220.399 | 13.079 | 0.0 | 153.532 | 11.402 | 0.0 | 70.189 | 13.561 | 0.0 | 1.455 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.825 | 0.0 | 0.0 | 2.138 | 0.0 |
| 24 | 16297 | 16298 | SN | 1 | 0.0 | 28.49 | 12.898 | 0.0 | 220.399 | 13.079 | 0.0 | 153.532 | 11.402 | 0.0 | 70.189 | 13.561 | 0.0 | 1.455 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.825 | 0.0 | 0.0 | 2.138 | 0.0 |
| 25 | 16297 | 16298 | SN | 1 | 0.0 | 22.082 | 5.914 | 0.0 | 24.757 | 7.625 | 0.0 | 149.87 | 2.145 | 0.0 | 210.753 | 3.275 | 0.0 | 1.439 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.137 | 0.0 |
| 26 | 16297 | 16298 | NS | 1 | 0.0 | 167.223 | 6.29 | 0.0 | 24.647 | 6.892 | 0.0 | 139.323 | 2.32 | 0.0 | 59.606 | 3.073 | 0.0 | 1.443 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.138 | 0.0 |
| 27 | 16298 | 16299 | NS | 1 | 0.0 | 53.713 | 6.291 | 0.0 | 24.652 | 6.881 | 0.0 | 126.561 | 2.302 | 0.0 | 53.214 | 3.081 | 0.0 | 1.441 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.136 | 0.0 |
| 28 | 16298 | 16299 | NS | 1 | 0.0 | 24.045 | 10.222 | 0.0 | 29.985 | 14.432 | 0.0 | 348.446 | 10.094 | 0.0 | 76.256 | 12.924 | 0.0 | 1.419 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.139 | 0.0 |
| 29 | 16298 | 16299 | SN | 1 | 0.0 | 22.093 | 5.922 | 0.0 | 24.773 | 7.613 | 0.0 | 162.003 | 2.131 | 0.0 | 136.64 | 3.267 | 0.0 | 1.44 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.137 | 0.0 |
| 30 | 16298 | 16299 | NS | 1 | 0.0 | 160.467 | 10.23 | 0.0 | 29.985 | 14.402 | 0.0 | 354.209 | 10.225 | 0.0 | 68.656 | 12.949 | 0.0 | 1.419 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.136 | 0.0 |
| 31 | 16298 | 16299 | SN | 1 | 0.0 | 23.362 | 6.05 | 0.0 | 244.974 | 7.628 | 0.0 | 162.042 | 2.213 | 0.0 | 136.623 | 3.174 | 0.0 | 1.445 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.137 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 32 | 16298 | 16299 | SN | 1 | 0.0 | 28.502 | 12.92 | 0.0 | 278.411 | 12.942 | 0.0 | 162.047 | 11.849 | 0.0 | 224.86 | 13.251 | 0.0 | 1.454 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 2.138 | 0.0 |
| 33 | 16298 | 16299 | SN | 1 | 0.0 | 23.362 | 5.991 | 0.0 | 244.974 | 7.623 | 0.0 | 162.042 | 2.164 | 0.0 | 136.623 | 3.324 | 0.0 | 1.445 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.137 | 0.0 |
| 34 | 16298 | 16299 | NS | 1 | 0.0 | 96.791 | 6.285 | 0.0 | 24.652 | 6.885 | 0.0 | 352.257 | 2.31 | 0.0 | 61.454 | 3.092 | 0.0 | 1.442 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.138 | 0.0 |
| 35 | 16298 | 16299 | SN | 1 | 0.0 | 28.502 | 12.898 | 0.0 | 25.738 | 13.089 | 0.0 | 162.014 | 11.352 | 0.0 | 224.844 | 13.533 | 0.0 | 1.454 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 2.138 | 0.0 |
| 36 | 16298 | 16299 | SN | 1 | 0.0 | 28.502 | 12.932 | 0.0 | 278.411 | 12.639 | 0.0 | 162.047 | 12.062 | 0.0 | 224.86 | 12.717 | 0.0 | 1.454 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.824 | 0.0 | 0.0 | 2.138 | 0.0 |
| 37 | 16299 | 16300 | NS | 1 | 0.0 | 24.762 | 6.307 | 0.0 | 24.647 | 6.861 | 0.0 | 330.34 | 2.33 | 0.0 | 69.809 | 3.085 | 0.0 | 1.442 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.137 | 0.0 |
| 38 | 16299 | 16300 | NS | 1 | 0.0 | 24.762 | 6.307 | 0.0 | 24.647 | 6.875 | 0.0 | 330.324 | 2.329 | 0.0 | 69.776 | 3.088 | 0.0 | 1.441 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.137 | 0.0 |
| 39 | 16299 | 16300 | SN | 1 | 0.0 | 22.11 | 6.027 | 0.0 | 24.74 | 7.617 | 0.0 | 189.131 | 2.204 | 0.0 | 169.424 | 3.116 | 0.0 | 1.438 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.137 | 0.0 |
| 40 | 16299 | 16300 | SN | 1 | 0.0 | 27.768 | 12.936 | 0.0 | 25.694 | 13.137 | 0.0 | 181.03 | 11.488 | 0.0 | 68.028 | 13.623 | 0.0 | 1.455 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.135 | 0.0 |
| 41 | 16299 | 16300 | SN | 1 | 0.0 | 27.768 | 12.936 | 0.0 | 25.694 | 13.137 | 0.0 | 181.03 | 11.488 | 0.0 | 68.028 | 13.623 | 0.0 | 1.455 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.135 | 0.0 |
| 42 | 16299 | 16300 | NS | 1 | 0.0 | 24.067 | 10.241 | 0.0 | 29.985 | 14.341 | 0.0 | 331.046 | 10.21 | 0.0 | 71.116 | 12.97 | 0.0 | 1.418 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.135 | 0.0 |
| 43 | 16299 | 16300 | SN | 1 | 0.0 | 22.11 | 5.959 | 0.0 | 24.74 | 7.616 | 0.0 | 189.131 | 2.136 | 0.0 | 169.424 | 3.271 | 0.0 | 1.438 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.137 | 0.0 |
| 44 | 16299 | 16300 | NS | 1 | 0.0 | 24.067 | 10.23 | 0.0 | 29.985 | 14.341 | 0.0 | 331.068 | 10.252 | 0.0 | 71.149 | 12.949 | 0.0 | 1.418 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.135 | 0.0 |
| 45 | 16299 | 16300 | SN | 1 | 0.0 | 27.768 | 12.969 | 0.0 | 25.694 | 12.695 | 0.0 | 181.03 | 11.789 | 0.0 | 50.057 | 12.942 | 0.0 | 1.455 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.135 | 0.0 |
| 46 | 16299 | 16300 | SN | 1 | 0.0 | 22.11 | 5.959 | 0.0 | 24.74 | 7.616 | 0.0 | 189.131 | 2.136 | 0.0 | 169.424 | 3.271 | 0.0 | 1.438 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.137 | 0.0 |
| 47 | 16300 | 16301 | SN | 1 | 0.0 | 28.033 | 12.908 | 0.0 | 25.661 | 13.178 | 0.0 | 142.971 | 11.39 | 0.0 | 130.526 | 13.58 | 0.0 | 1.455 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.135 | 0.0 |
| 48 | 16300 | 16301 | NS | 1 | 0.0 | 55.208 | 6.315 | 0.0 | 24.647 | 6.885 | 0.0 | 342.087 | 2.322 | 0.0 | 61.972 | 3.097 | 0.0 | 1.442 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.137 | 0.0 |
| 49 | 16300 | 16301 | SN | 1 | 0.0 | 22.093 | 5.935 | 0.0 | 24.768 | 7.612 | 0.0 | 149.087 | 2.148 | 0.0 | 123.939 | 3.262 | 0.0 | 1.439 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.136 | 0.0 |
| 50 | 16300 | 16301 | NS | 1 | 0.0 | 41.845 | 10.195 | 0.0 | 29.991 | 14.326 | 0.0 | 355.864 | 10.18 | 0.0 | 86.635 | 12.958 | 0.0 | 1.419 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.135 | 0.0 |
| 51 | 16300 | 16301 | SN | 1 | 0.0 | 22.11 | 5.935 | 0.0 | 24.768 | 7.616 | 0.0 | 149.076 | 2.145 | 0.0 | 224.631 | 3.269 | 0.0 | 1.439 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.136 | 0.0 |
| 52 | 16300 | 16301 | SN | 1 | 0.0 | 22.11 | 6.026 | 0.0 | 24.768 | 7.618 | 0.0 | 149.076 | 2.257 | 0.0 | 224.631 | 3.096 | 0.0 | 1.439 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.136 | 0.0 |
| 53 | 16300 | 16301 | NS | 1 | 0.0 | 41.845 | 10.2 | 0.0 | 29.991 | 14.371 | 0.0 | 355.864 | 10.21 | 0.0 | 86.222 | 12.942 | 0.0 | 1.419 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.134 | 0.0 |
| 54 | 16300 | 16301 | SN | 1 | 0.0 | 28.033 | 12.979 | 0.0 | 25.661 | 12.633 | 0.0 | 142.976 | 11.851 | 0.0 | 205.809 | 12.713 | 0.0 | 1.456 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.133 | 0.0 |
| 55 | 16300 | 16301 | NS | 1 | 0.0 | 24.751 | 6.307 | 0.0 | 24.647 | 6.868 | 0.0 | 339.01 | 2.32 | 0.0 | 64.917 | 3.096 | 0.0 | 1.442 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.137 | 0.0 |
| 56 | 16300 | 16301 | SN | 1 | 0.0 | 28.033 | 12.908 | 0.0 | 25.678 | 13.178 | 0.0 | 142.976 | 11.398 | 0.0 | 205.809 | 13.595 | 0.0 | 1.456 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.133 | 0.0 |
| 57 | 16301 | 16302 | SN | 1 | 0.0 | 23.384 | 6.049 | 0.0 | 24.762 | 7.55 | 0.0 | 141.046 | 2.301 | 0.0 | 77.516 | 3.113 | 0.0 | 1.438 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.135 | 0.0 |
| 58 | 16301 | 16302 | SN | 1 | 0.0 | 23.384 | 5.915 | 0.0 | 24.762 | 7.554 | 0.0 | 141.046 | 2.137 | 0.0 | 77.516 | 3.26 | 0.0 | 1.438 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.135 | 0.0 |
| 59 | 16301 | 16302 | SN | 1 | 0.0 | 28.38 | 13.006 | 0.0 | 25.672 | 12.458 | 0.0 | 153.036 | 12.02 | 0.0 | 21.263 | 12.654 | 0.0 | 1.455 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.134 | 0.0 |
| 60 | 16301 | 16302 | NS | 1 | 0.0 | 60.464 | 10.143 | 0.0 | 29.991 | 14.365 | 0.0 | 145.781 | 10.201 | 0.0 | 62.226 | 12.886 | 0.0 | 1.418 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.137 | 0.0 |
| 61 | 16301 | 16302 | NS | 1 | 0.0 | 214.773 | 10.163 | 0.0 | 29.991 | 14.357 | 0.0 | 145.858 | 10.223 | 0.0 | 62.171 | 12.879 | 0.0 | 1.418 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.136 | 0.0 |
| 62 | 16301 | 16302 | NS | 1 | 0.0 | 24.751 | 6.307 | 0.0 | 24.647 | 6.927 | 0.0 | 353.553 | 2.377 | 0.0 | 56.06 | 3.091 | 0.0 | 1.443 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.138 | 0.0 |
| 63 | 16301 | 16302 | SN | 1 | 0.0 | 28.38 | 12.905 | 0.0 | 25.672 | 13.124 | 0.0 | 153.036 | 11.459 | 0.0 | 76.19 | 13.599 | 0.0 | 1.455 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.134 | 0.0 |
| 64 | 16301 | 16302 | SN | 1 | 0.0 | 28.38 | 12.905 | 0.0 | 25.672 | 13.124 | 0.0 | 153.036 | 11.459 | 0.0 | 76.19 | 13.599 | 0.0 | 1.455 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.134 | 0.0 |
| 65 | 16301 | 16302 | NS | 1 | 0.0 | 24.751 | 6.305 | 0.0 | 24.647 | 6.909 | 0.0 | 353.547 | 2.363 | 0.0 | 56.01 | 3.107 | 0.0 | 1.442 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.138 | 0.0 |
| 66 | 16301 | 16302 | SN | 1 | 0.0 | 23.384 | 5.915 | 0.0 | 24.762 | 7.554 | 0.0 | 141.046 | 2.137 | 0.0 | 77.516 | 3.26 | 0.0 | 1.438 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.135 | 0.0 |
| 67 | 16302 | 16303 | NS | 1 | 0.0 | 160.473 | 6.322 | 0.0 | 24.652 | 6.945 | 0.0 | 353.823 | 2.427 | 0.0 | 74.646 | 3.091 | 0.0 | 1.442 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.141 | 0.0 |
| 68 | 16302 | 16303 | SN | 1 | 0.0 | 23.389 | 5.904 | 0.0 | 66.285 | 7.516 | 0.0 | 128.406 | 2.134 | 0.0 | 123.889 | 3.289 | 0.0 | 1.443 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.135 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 69 | 16302 | 16303 | NS | 1 | 0.0 | 218.526 | 6.318 | 0.0 | 24.652 | 6.925 | 0.0 | 353.823 | 2.444 | 0.0 | 71.535 | 3.082 | 0.0 | 1.442 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.139 | 0.0 |
| 70 | 16302 | 16303 | SN | 1 | 0.0 | 28.485 | 13.017 | 0.0 | 25.424 | 12.393 | 0.0 | 139.022 | 12.108 | 0.0 | 207.127 | 12.536 | 0.0 | 1.456 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.138 | 0.0 |
| 71 | 16302 | 16303 | NS | 1 | 0.0 | 91.648 | 10.205 | 0.0 | 31.998 | 14.335 | 0.0 | 352.682 | 10.215 | 0.0 | 99.97 | 12.794 | 0.0 | 1.42 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.138 | 0.0 |
| 72 | 16302 | 16303 | NS | 1 | 0.0 | 239.42 | 10.27 | 0.0 | 29.996 | 14.413 | 0.0 | 347.564 | 10.143 | 0.0 | 88.394 | 12.778 | 0.0 | 1.42 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.14 | 0.0 |
| 73 | 16302 | 16303 | SN | 1 | 0.0 | 28.49 | 12.922 | 0.0 | 66.285 | 13.155 | 0.0 | 139.028 | 11.379 | 0.0 | 78.865 | 13.592 | 0.0 | 1.455 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.137 | 0.0 |
| 74 | 16302 | 16303 | SN | 1 | 0.0 | 28.485 | 12.912 | 0.0 | 25.424 | 13.145 | 0.0 | 139.022 | 11.386 | 0.0 | 207.127 | 13.613 | 0.0 | 1.456 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.138 | 0.0 |
| 75 | 16302 | 16303 | SN | 1 | 0.0 | 23.373 | 6.101 | 0.0 | 24.746 | 7.53 | 0.0 | 128.428 | 2.369 | 0.0 | 58.831 | 3.188 | 0.0 | 1.444 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.135 | 0.0 |
| 76 | 16302 | 16303 | SN | 1 | 0.0 | 23.373 | 5.898 | 0.0 | 24.746 | 7.536 | 0.0 | 128.428 | 2.136 | 0.0 | 58.831 | 3.275 | 0.0 | 1.444 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.135 | 0.0 |
| 77 | 16303 | 16304 | SN | 1 | 0.0 | 23.378 | 5.882 | 0.0 | 24.751 | 7.478 | 0.0 | 130.628 | 2.108 | 0.0 | 115.752 | 3.297 | 0.0 | 1.446 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.135 | 0.0 |
| 78 | 16303 | 16304 | NS | 1 | 0.0 | 159.232 | 6.327 | 0.0 | 24.647 | 6.955 | 0.0 | 140.983 | 2.4 | 0.0 | 74.414 | 3.081 | 0.0 | 1.445 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.139 | 0.0 |
| 79 | 16303 | 16304 | NS | 1 | 0.0 | 46.478 | 10.254 | 0.0 | 29.985 | 14.444 | 0.0 | 349.974 | 10.109 | 0.0 | 91.919 | 12.738 | 0.0 | 1.42 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.139 | 0.0 |
| 80 | 16303 | 16304 | SN | 1 | 0.0 | 29.593 | 12.879 | 0.0 | 84.333 | 13.079 | 0.0 | 136.22 | 11.36 | 0.0 | 268.534 | 13.64 | 0.0 | 1.456 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.136 | 0.0 |
| 81 | 16304 | 16305 | SN | 1 | 0.0 | 22.088 | 5.918 | 0.0 | 24.746 | 7.525 | 0.0 | 142.044 | 2.141 | 0.0 | 219.026 | 3.28 | 0.0 | 1.439 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.134 | 0.0 |
| 82 | 16304 | 16305 | SN | 1 | 0.0 | 28.165 | 12.917 | 0.0 | 25.408 | 13.164 | 0.0 | 149.71 | 11.431 | 0.0 | 157.848 | 13.586 | 0.0 | 1.456 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.826 | 0.0 | 0.0 | 2.135 | 0.0 |
| 83 | 16304 | 16305 | NS | 1 | 0.0 | 68.665 | 6.293 | 0.0 | 24.652 | 6.952 | 0.0 | 329.805 | 2.396 | 0.0 | 72.428 | 3.082 | 0.0 | 1.444 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.138 | 0.0 |
| 84 | 16304 | 16305 | NS | 1 | 0.0 | 268.258 | 10.241 | 0.0 | 29.991 | 14.352 | 0.0 | 354.402 | 10.197 | 0.0 | 87.964 | 12.801 | 0.0 | 1.42 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.136 | 0.0 |
| 85 | 16305 | 16306 | NS | 1 | 0.0 | 67.967 | 10.28 | 0.0 | 30.002 | 14.342 | 0.0 | 354.573 | 10.231 | 0.0 | 58.172 | 12.773 | 0.0 | 1.42 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.141 | 0.0 |
| 86 | 16305 | 16306 | SN | 1 | 0.0 | 23.384 | 5.918 | 0.0 | 24.757 | 7.521 | 0.0 | 149.451 | 2.132 | 0.0 | 53.451 | 3.266 | 0.0 | 1.445 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.136 | 0.0 |
| 87 | 16305 | 16306 | NS | 1 | 0.0 | 157.718 | 6.305 | 0.0 | 24.652 | 6.945 | 0.0 | 354.573 | 2.414 | 0.0 | 57.135 | 3.11 | 0.0 | 1.442 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.14 | 0.0 |
| 88 | 16305 | 16306 | SN | 1 | 0.0 | 28.204 | 12.946 | 0.0 | 25.672 | 13.095 | 0.0 | 135.068 | 11.438 | 0.0 | 74.326 | 13.651 | 0.0 | 1.456 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.135 | 0.0 |
| 89 | 16305 | 16306 | NS | 1 | 0.0 | 67.967 | 10.271 | 0.0 | 30.002 | 14.283 | 0.0 | 354.573 | 10.27 | 0.0 | 27.851 | 12.688 | 0.0 | 1.42 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.141 | 0.0 |
| 90 | 16305 | 16306 | NS | 1 | 0.0 | 157.718 | 6.319 | 0.0 | 24.652 | 6.951 | 0.0 | 354.573 | 2.426 | 0.0 | 17.483 | 3.076 | 0.0 | 1.442 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.14 | 0.0 |
| 91 | 16306 | 16307 | SN | 1 | 0.0 | 23.395 | 5.911 | 0.0 | 24.746 | 7.509 | 0.0 | 137.373 | 2.12 | 0.0 | 139.45 | 3.294 | 0.0 | 1.448 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.135 | 0.0 |
| 92 | 16306 | 16307 | NS | 1 | 0.0 | 271.55 | 10.22 | 0.0 | 29.996 | 14.061 | 0.0 | 355.98 | 10.431 | 0.0 | 16.297 | 12.273 | 0.0 | 1.42 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.138 | 0.0 |
| 93 | 16306 | 16307 | NS | 1 | 0.0 | 40.472 | 10.203 | 0.0 | 31.943 | 14.399 | 0.0 | 355.974 | 10.244 | 0.0 | 55.641 | 12.816 | 0.0 | 1.419 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.138 | 0.0 |
| 94 | 16306 | 16307 | NS | 1 | 0.0 | 271.55 | 10.193 | 0.0 | 31.943 | 14.429 | 0.0 | 355.98 | 10.237 | 0.0 | 55.663 | 12.823 | 0.0 | 1.42 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.138 | 0.0 |
| 95 | 16306 | 16307 | SN | 1 | 0.0 | 28.138 | 12.906 | 0.0 | 25.678 | 13.176 | 0.0 | 150.808 | 11.445 | 0.0 | 273.756 | 13.643 | 0.0 | 1.456 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.136 | 0.0 |
| 96 | 16306 | 16307 | SN | 1 | 0.0 | 28.138 | 12.906 | 0.0 | 25.678 | 13.176 | 0.0 | 150.808 | 11.445 | 0.0 | 273.756 | 13.643 | 0.0 | 1.456 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.136 | 0.0 |
| 97 | 16306 | 16307 | NS | 1 | 0.0 | 58.07 | 6.397 | 0.0 | 24.658 | 6.957 | 0.0 | 304.464 | 2.551 | 0.0 | 12.911 | 3.0 | 0.0 | 1.442 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.14 | 0.0 |
| 98 | 16306 | 16307 | NS | 1 | 0.0 | 58.07 | 6.319 | 0.0 | 24.658 | 6.953 | 0.0 | 304.464 | 2.483 | 0.0 | 48.394 | 3.092 | 0.0 | 1.442 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.14 | 0.0 |
| 99 | 16306 | 16307 | NS | 1 | 0.0 | 118.36 | 6.322 | 0.0 | 24.652 | 6.957 | 0.0 | 354.838 | 2.48 | 0.0 | 48.367 | 3.09 | 0.0 | 1.441 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.14 | 0.0 |
| 100 | 16306 | 16307 | SN | 1 | 0.0 | 23.395 | 5.911 | 0.0 | 24.746 | 7.509 | 0.0 | 137.373 | 2.12 | 0.0 | 139.45 | 3.294 | 0.0 | 1.448 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.135 | 0.0 |
| 101 | 16307 | 16308 | NS | 1 | 0.0 | 205.938 | 10.162 | 0.0 | 31.97 | 14.399 | 0.0 | 352.279 | 10.194 | 0.0 | 92.316 | 12.83 | 0.0 | 1.42 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.139 | 0.0 |
| 102 | 16307 | 16308 | NS | 1 | 0.0 | 205.938 | 10.162 | 0.0 | 31.97 | 14.389 | 0.0 | 352.279 | 10.194 | 0.0 | 92.382 | 12.837 | 0.0 | 1.42 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.139 | 0.0 |
| 103 | 16307 | 16308 | NS | 1 | 0.0 | 53.669 | 6.541 | 0.0 | 24.652 | 7.043 | 0.0 | 353.636 | 2.678 | 0.0 | 12.916 | 3.042 | 0.0 | 1.444 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.14 | 0.0 |
| 104 | 16307 | 16308 | SN | 1 | 0.0 | 43.469 | 5.922 | 0.0 | 24.762 | 7.507 | 0.0 | 138.388 | 2.127 | 0.0 | 145.935 | 3.296 | 0.0 | 1.444 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.134 | 0.0 |
| 105 | 16307 | 16308 | SN | 1 | 0.0 | 43.469 | 5.922 | 0.0 | 24.762 | 7.507 | 0.0 | 138.388 | 2.127 | 0.0 | 145.935 | 3.296 | 0.0 | 1.444 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.134 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 106 | 16307 | 16308 | SN | 1 | 0.0 | 28.386 | 12.977 | 0.0 | 25.678 | 13.126 | 0.0 | 147.399 | 11.396 | 0.0 | 266.427 | 13.628 | 0.0 | 1.456 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.138 | 0.0 |
| 107 | 16307 | 16308 | NS | 1 | 0.0 | 205.938 | 10.288 | 0.0 | 29.996 | 13.791 | 0.0 | 352.279 | 10.782 | 0.0 | 13.346 | 11.934 | 0.0 | 1.42 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.139 | 0.0 |
| 108 | 16307 | 16308 | SN | 1 | 0.0 | 28.386 | 12.977 | 0.0 | 25.678 | 13.126 | 0.0 | 147.399 | 11.396 | 0.0 | 266.427 | 13.628 | 0.0 | 1.456 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.138 | 0.0 |
| 109 | 16307 | 16308 | NS | 1 | 0.0 | 53.669 | 6.338 | 0.0 | 24.652 | 6.975 | 0.0 | 353.636 | 2.496 | 0.0 | 64.492 | 3.099 | 0.0 | 1.444 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.14 | 0.0 |
| 110 | 16307 | 16308 | NS | 1 | 0.0 | 53.669 | 6.338 | 0.0 | 24.652 | 6.973 | 0.0 | 353.636 | 2.496 | 0.0 | 64.432 | 3.099 | 0.0 | 1.444 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.14 | 0.0 |
| 111 | 16308 | 16309 | SN | 1 | 0.0 | 23.389 | 5.878 | 0.0 | 24.757 | 7.454 | 0.0 | 159.378 | 2.119 | 0.0 | 180.718 | 3.334 | 0.0 | 1.446 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.136 | 0.0 |
| 112 | 16308 | 16309 | SN | 1 | 0.0 | 23.411 | 5.884 | 0.0 | 277.898 | 7.449 | 0.0 | 152.098 | 2.112 | 0.0 | 235.794 | 3.325 | 0.0 | 1.446 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.136 | 0.0 |
| 113 | 16308 | 16309 | SN | 1 | 0.0 | 28.424 | 13.032 | 0.0 | 217.961 | 12.437 | 0.0 | 138.504 | 12.033 | 0.0 | 74.389 | 12.689 | 0.0 | 1.456 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.137 | 0.0 |
| 114 | 16308 | 16309 | NS | 1 | 0.0 | 264.433 | 6.328 | 0.0 | 24.658 | 6.958 | 0.0 | 136.962 | 2.505 | 0.0 | 52.051 | 3.081 | 0.0 | 1.444 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.139 | 0.0 |
| 115 | 16308 | 16309 | SN | 1 | 0.0 | 23.411 | 6.056 | 0.0 | 277.898 | 7.441 | 0.0 | 152.098 | 2.3 | 0.0 | 235.794 | 3.196 | 0.0 | 1.446 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.136 | 0.0 |
| 116 | 16308 | 16309 | NS | 1 | 0.0 | 264.433 | 6.706 | 0.0 | 24.658 | 7.172 | 0.0 | 136.962 | 2.85 | 0.0 | 12.922 | 3.204 | 0.0 | 1.444 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.139 | 0.0 |
| 117 | 16308 | 16309 | SN | 1 | 0.0 | 28.424 | 12.918 | 0.0 | 25.656 | 13.029 | 0.0 | 138.636 | 11.409 | 0.0 | 209.97 | 13.647 | 0.0 | 1.456 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.137 | 0.0 |
| 118 | 16308 | 16309 | SN | 1 | 0.0 | 28.424 | 12.938 | 0.0 | 217.961 | 13.06 | 0.0 | 138.504 | 11.408 | 0.0 | 74.389 | 13.669 | 0.0 | 1.456 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.137 | 0.0 |
| 119 | 16308 | 16309 | NS | 1 | 0.0 | 142.293 | 6.328 | 0.0 | 24.658 | 6.961 | 0.0 | 212.033 | 2.51 | 0.0 | 52.051 | 3.083 | 0.0 | 1.444 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.138 | 0.0 |
| 120 | 16308 | 16309 | NS | 1 | 0.0 | 24.112 | 10.204 | 0.0 | 29.996 | 14.361 | 0.0 | 353.956 | 10.159 | 0.0 | 68.507 | 12.808 | 0.0 | 1.421 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.14 | 0.0 |
| 121 | 16308 | 16309 | NS | 1 | 0.0 | 58.556 | 10.214 | 0.0 | 29.996 | 14.412 | 0.0 | 353.95 | 10.166 | 0.0 | 68.507 | 12.808 | 0.0 | 1.421 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.14 | 0.0 |
| 122 | 16308 | 16309 | NS | 1 | 0.0 | 24.112 | 10.4 | 0.0 | 29.996 | 13.656 | 0.0 | 353.956 | 11.361 | 0.0 | 13.341 | 11.812 | 0.0 | 1.421 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.14 | 0.0 |
| 123 | 16309 | 16310 | SN | 1 | 0.0 | 28.331 | 12.948 | 0.0 | 25.661 | 13.1 | 0.0 | 141.587 | 11.338 | 0.0 | 76.16 | 13.654 | 0.0 | 1.453 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.134 | 0.0 |
| 124 | 16309 | 16310 | NS | 1 | 0.0 | 59.659 | 10.255 | 0.0 | 30.002 | 14.371 | 0.0 | 354.391 | 10.173 | 0.0 | 78.159 | 12.837 | 0.0 | 1.422 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.139 | 0.0 |
| 125 | 16309 | 16310 | NS | 1 | 0.0 | 92.225 | 10.255 | 0.0 | 29.996 | 14.393 | 0.0 | 354.38 | 10.145 | 0.0 | 78.065 | 12.823 | 0.0 | 1.421 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.139 | 0.0 |
| 126 | 16309 | 16310 | NS | 1 | 0.0 | 155.76 | 6.338 | 0.0 | 24.652 | 6.972 | 0.0 | 352.169 | 2.508 | 0.0 | 62.805 | 3.09 | 0.0 | 1.445 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.14 | 0.0 |
| 127 | 16309 | 16310 | NS | 1 | 0.0 | 155.766 | 6.34 | 0.0 | 24.652 | 6.97 | 0.0 | 352.185 | 2.499 | 0.0 | 62.86 | 3.095 | 0.0 | 1.446 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.847 | 0.0 | 0.0 | 2.14 | 0.0 |
| 128 | 16309 | 16310 | SN | 1 | 0.0 | 28.331 | 12.988 | 0.0 | 25.661 | 12.646 | 0.0 | 141.587 | 11.762 | 0.0 | 76.16 | 12.869 | 0.0 | 1.453 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.829 | 0.0 | 0.0 | 2.134 | 0.0 |
| 129 | 16309 | 16310 | SN | 1 | 0.0 | 28.336 | 12.938 | 0.0 | 25.656 | 13.121 | 0.0 | 141.669 | 11.345 | 0.0 | 75.346 | 13.64 | 0.0 | 1.452 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.133 | 0.0 |
| 130 | 16309 | 16310 | SN | 1 | 0.0 | 23.4 | 5.976 | 0.0 | 24.74 | 7.475 | 0.0 | 141.206 | 2.232 | 0.0 | 48.436 | 3.21 | 0.0 | 1.445 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.135 | 0.0 |
| 131 | 16309 | 16310 | SN | 1 | 0.0 | 23.4 | 5.902 | 0.0 | 24.74 | 7.467 | 0.0 | 141.206 | 2.126 | 0.0 | 64.713 | 3.359 | 0.0 | 1.445 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.135 | 0.0 |
| 132 | 16309 | 16310 | SN | 1 | 0.0 | 23.428 | 5.901 | 0.0 | 24.74 | 7.458 | 0.0 | 141.289 | 2.106 | 0.0 | 64.713 | 3.364 | 0.0 | 1.443 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.135 | 0.0 |
| 133 | 16310 | 16311 | SN | 1 | 0.0 | 23.384 | 5.942 | 0.0 | 24.768 | 7.498 | 0.0 | 142.761 | 2.16 | 0.0 | 172.038 | 3.217 | 0.0 | 1.445 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.134 | 0.0 |
| 134 | 16310 | 16311 | SN | 1 | 0.0 | 23.384 | 5.904 | 0.0 | 24.768 | 7.497 | 0.0 | 142.761 | 2.132 | 0.0 | 172.038 | 3.336 | 0.0 | 1.445 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.134 | 0.0 |
| 135 | 16310 | 16311 | NS | 1 | 0.0 | 24.067 | 10.25 | 0.0 | 29.991 | 14.444 | 0.0 | 355.809 | 10.21 | 0.0 | 70.432 | 12.78 | 0.0 | 1.421 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.137 | 0.0 |
| 136 | 16310 | 16311 | NS | 1 | 0.0 | 24.067 | 10.25 | 0.0 | 29.991 | 14.444 | 0.0 | 355.809 | 10.21 | 0.0 | 70.432 | 12.78 | 0.0 | 1.421 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.137 | 0.0 |
| 137 | 16310 | 16311 | NS | 1 | 0.0 | 24.757 | 6.313 | 0.0 | 24.652 | 6.97 | 0.0 | 143.189 | 2.483 | 0.0 | 52.475 | 3.091 | 0.0 | 1.441 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.139 | 0.0 |
| 138 | 16310 | 16311 | SN | 1 | 0.0 | 23.384 | 5.904 | 0.0 | 24.768 | 7.497 | 0.0 | 142.761 | 2.132 | 0.0 | 172.038 | 3.336 | 0.0 | 1.445 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.134 | 0.0 |
| 139 | 16310 | 16311 | SN | 1 | 0.0 | 28.055 | 12.95 | 0.0 | 25.634 | 12.903 | 0.0 | 143.484 | 11.558 | 0.0 | 214.889 | 13.37 | 0.0 | 1.454 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.827 | 0.0 | 0.0 | 2.135 | 0.0 |
| 140 | 16310 | 16311 | SN | 1 | 0.0 | 28.055 | 12.947 | 0.0 | 25.634 | 13.123 | 0.0 | 143.484 | 11.445 | 0.0 | 214.889 | 13.698 | 0.0 | 1.454 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.827 | 0.0 | 0.0 | 2.135 | 0.0 |
| 141 | 16310 | 16311 | SN | 1 | 0.0 | 28.055 | 12.947 | 0.0 | 25.634 | 13.123 | 0.0 | 143.484 | 11.445 | 0.0 | 214.889 | 13.698 | 0.0 | 1.454 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.827 | 0.0 | 0.0 | 2.135 | 0.0 |
| 142 | 16310 | 16311 | NS | 1 | 0.0 | 24.757 | 6.313 | 0.0 | 24.652 | 6.97 | 0.0 | 143.189 | 2.483 | 0.0 | 52.475 | 3.091 | 0.0 | 1.441 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.139 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-------|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-------|-------|-----|-----|-------|-----|-----|-------|-----|
| 143 | 16311 | 16312 | SN | 1 | 0.0 | 28.038 | 12.97 | 0.0 | 25.678 | 13.123 | 0.0 | 143.076 | 11.449 | 0.0 | 130.278 | 13.592 | 0.0 | 1.456 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.827 | 0.0 | 0.0 | 2.136 | 0.0 |
| 144 | 16311 | 16312 | SN | 1 | 0.0 | 28.038 | 13.003 | 0.0 | 25.678 | 12.942 | 0.0 | 143.076 | 11.529 | 0.0 | 20.83 | 13.336 | 0.0 | 1.456 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.827 | 0.0 | 0.0 | 2.136 | 0.0 |
| 145 | 16311 | 16312 | SN | 1 | 0.0 | 28.038 | 12.993 | 0.0 | 25.678 | 12.942 | 0.0 | 143.081 | 11.529 | 0.0 | 20.83 | 13.321 | 0.0 | 1.456 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.827 | 0.0 | 0.0 | 2.135 | 0.0 |
| 146 | 16311 | 16312 | NS | 1 | 0.0 | 213.064 | 10.183 | 0.0 | 29.996 | 14.36 | 0.0 | 137.277 | 10.23 | 0.0 | 73.013 | 12.874 | 0.0 | 1.419 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.137 | 0.0 |
| 147 | 16311 | 16312 | NS | 1 | 0.0 | 255.582 | 10.29 | 0.0 | 29.996 | 14.454 | 0.0 | 354.805 | 10.153 | 0.0 | 72.616 | 12.8 | 0.0 | 1.418 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.136 | 0.0 |
| 148 | 16311 | 16312 | SN | 1 | 0.0 | 23.389 | 5.918 | 0.0 | 24.746 | 7.54 | 0.0 | 153.83 | 2.117 | 0.0 | 60.566 | 3.31 | 0.0 | 1.442 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.135 | 0.0 |
| 149 | 16311 | 16312 | NS | 1 | 0.0 | 191.837 | 6.319 | 0.0 | 24.658 | 6.932 | 0.0 | 340.863 | 2.423 | 0.0 | 48.322 | 3.092 | 0.0 | 1.442 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.139 | 0.0 |
| 150 | 16311 | 16312 | NS | 1 | 0.0 | 190.37 | 6.327 | 0.0 | 24.658 | 6.941 | 0.0 | 346.13 | 2.422 | 0.0 | 59.341 | 3.09 | 0.0 | 1.443 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.139 | 0.0 |
| 151 | 16311 | 16312 | SN | 1 | 0.0 | 23.389 | 5.946 | 0.0 | 24.746 | 7.543 | 0.0 | 153.83 | 2.139 | 0.0 | 14.322 | 3.21 | 0.0 | 1.442 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.135 | 0.0 |
| 152 | 16311 | 16312 | SN | 1 | 0.0 | 23.389 | 5.944 | 0.0 | 24.746 | 7.541 | 0.0 | 153.863 | 2.137 | 0.0 | 14.085 | 3.205 | 0.0 | 1.442 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.135 | 0.0 |
| 153 | 16312 | 16313 | NS | 1 | 0.0 | 201.584 | 6.302 | 0.0 | 24.652 | 6.921 | 0.0 | 346.235 | 2.393 | 0.0 | 52.624 | 3.088 | 0.0 | 1.442 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.139 | 0.0 |
| 154 | 16312 | 16313 | SN | 1 | 0.0 | 28.331 | 12.939 | 0.0 | 25.496 | 12.898 | 0.0 | 167.744 | 11.542 | 0.0 | 18.74 | 13.167 | 0.0 | 1.454 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.134 | 0.0 |
| 155 | 16312 | 16313 | SN | 1 | 0.0 | 23.356 | 5.971 | 0.0 | 24.779 | 7.567 | 0.0 | 151.414 | 2.163 | 0.0 | 13.026 | 3.145 | 0.0 | 1.442 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.135 | 0.0 |
| 156 | 16312 | 16313 | NS | 1 | 0.0 | 201.584 | 6.302 | 0.0 | 24.652 | 6.921 | 0.0 | 346.235 | 2.393 | 0.0 | 52.624 | 3.088 | 0.0 | 1.442 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.139 | 0.0 |
| 157 | 16312 | 16313 | NS | 1 | 0.0 | 56.857 | 10.152 | 0.0 | 29.991 | 14.37 | 0.0 | 356.139 | 10.223 | 0.0 | 77.839 | 12.967 | 0.0 | 1.42 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.137 | 0.0 |
| 158 | 16312 | 16313 | SN | 1 | 0.0 | 23.356 | 5.927 | 0.0 | 24.779 | 7.568 | 0.0 | 151.414 | 2.127 | 0.0 | 51.306 | 3.28 | 0.0 | 1.442 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.135 | 0.0 |
| 159 | 16312 | 16313 | NS | 1 | 0.0 | 56.857 | 10.152 | 0.0 | 29.991 | 14.37 | 0.0 | 356.139 | 10.223 | 0.0 | 77.839 | 12.959 | 0.0 | 1.42 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.137 | 0.0 |
| 160 | 16312 | 16313 | SN | 1 | 0.0 | 28.331 | 12.925 | 0.0 | 25.496 | 13.146 | 0.0 | 167.744 | 11.403 | 0.0 | 76.168 | 13.557 | 0.0 | 1.454 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.134 | 0.0 |
| 161 | 16313 | 16314 | SN | 1 | 0.0 | 23.373 | 5.925 | 0.0 | 24.74 | 7.582 | 0.0 | 185.48 | 2.135 | 0.0 | 223.211 | 3.282 | 0.0 | 1.442 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.136 | 0.0 |
| 162 | 16313 | 16314 | NS | 1 | 0.0 | 23.985 | 8.999 | 0.0 | 29.996 | 14.333 | 0.0 | 13.655 | 8.489 | 0.0 | 80.635 | 14.344 | 0.0 | 1.42 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.133 | 0.0 |
| 163 | 16313 | 16314 | NS | 1 | 0.0 | 24.233 | 10.188 | 0.0 | 29.991 | 14.364 | 0.0 | 353.961 | 10.15 | 0.0 | 69.053 | 12.928 | 0.0 | 1.429 | 0.0 | 0.0 | 1.799 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.16 | 0.0 |
| 164 | 16313 | 16314 | SN | 1 | 0.0 | 23.373 | 5.975 | 0.0 | 24.74 | 7.578 | 0.0 | 185.486 | 2.188 | 0.0 | 12.971 | 3.119 | 0.0 | 1.443 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.136 | 0.0 |
| 165 | 16313 | 16314 | NS | 1 | 0.0 | 24.757 | 6.257 | 0.0 | 24.652 | 6.858 | 0.0 | 333.738 | 2.392 | 0.0 | 64.162 | 3.108 | 0.0 | 1.443 | 0.0 | 0.0 | 1.812 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.169 | 0.0 |
| 166 | 16313 | 16314 | SN | 1 | 0.0 | 28.342 | 12.921 | 0.0 | 25.678 | 13.207 | 0.0 | 189.198 | 11.413 | 0.0 | 127.339 | 13.621 | 0.0 | 1.455 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.135 | 0.0 |
| 167 | 16313 | 16314 | SN | 1 | 0.0 | 28.342 | 12.91 | 0.0 | 25.678 | 13.197 | 0.0 | 189.192 | 11.42 | 0.0 | 78.721 | 13.621 | 0.0 | 1.455 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.135 | 0.0 |
| 168 | 16313 | 16314 | NS | 1 | 0.0 | 24.757 | 5.937 | 0.0 | 24.652 | 6.909 | 0.0 | 12.889 | 2.137 | 0.0 | 64.162 | 3.538 | 0.0 | 1.443 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.135 | 0.0 |
| 169 | 16313 | 16314 | SN | 1 | 0.0 | 28.342 | 12.948 | 0.0 | 25.678 | 12.813 | 0.0 | 189.198 | 11.627 | 0.0 | 127.339 | 13.021 | 0.0 | 1.455 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.135 | 0.0 |
| 170 | 16313 | 16314 | SN | 1 | 0.0 | 23.373 | 5.922 | 0.0 | 24.74 | 7.579 | 0.0 | 185.486 | 2.13 | 0.0 | 53.109 | 3.275 | 0.0 | 1.443 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.136 | 0.0 |
| 171 | 16314 | 16315 | SN | 1 | 0.0 | 28.457 | 12.908 | 0.0 | 25.656 | 13.029 | 0.0 | 181.317 | 11.408 | 0.0 | 253.643 | 13.555 | 0.0 | 1.455 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.135 | 0.0 |
| 172 | 16314 | 16315 | SN | 1 | 0.0 | 28.457 | 12.908 | 0.0 | 25.656 | 13.029 | 0.0 | 181.317 | 11.408 | 0.0 | 253.643 | 13.555 | 0.0 | 1.455 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.135 | 0.0 |
| 173 | 16314 | 16315 | SN | 1 | 0.0 | 22.088 | 5.916 | 0.0 | 24.751 | 7.558 | 0.0 | 183.859 | 2.158 | 0.0 | 115.796 | 3.256 | 0.0 | 1.438 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.136 | 0.0 |
| 174 | 16314 | 16315 | SN | 1 | 0.0 | 28.457 | 12.963 | 0.0 | 25.656 | 12.672 | 0.0 | 181.317 | 11.768 | 0.0 | 253.643 | 12.825 | 0.0 | 1.455 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.135 | 0.0 |
| 175 | 16314 | 16315 | NS | 1 | 0.0 | 24.018 | 10.224 | 0.689 | 29.991 | 14.31 | 0.0 | 332.883 | 10.132 | 0.0 | 69.279 | 12.822 | 0.0 | 1.419 | 0.0 | 0.002 | 1.78 | 0.0 | 0.0 | 1.84 | 0.0 | 0.0 | 2.137 | 0.0 |
| 176 | 16314 | 16315 | NS | 1 | 0.0 | 24.746 | 6.311 | 0.0 | 24.647 | 6.89 | 0.0 | 336.17 | 2.397 | 0.0 | 66.483 | 3.108 | 0.0 | 1.442 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.137 | 0.0 |
| 177 | 16314 | 16315 | SN | 1 | 0.0 | 22.088 | 5.993 | 0.0 | 24.751 | 7.56 | 0.0 | 183.859 | 2.255 | 0.0 | 115.796 | 3.096 | 0.0 | 1.438 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.136 | 0.0 |
| 178 | 16314 | 16315 | NS | 1 | 0.0 | 24.007 | 10.281 | 0.0 | 29.991 | 14.363 | 0.0 | 336.655 | 10.097 | 0.0 | 68.094 | 12.843 | 0.0 | 1.418 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.138 | 0.0 |
| 179 | 16314 | 16315 | SN | 1 | 0.0 | 22.088 | 5.916 | 0.0 | 24.751 | 7.56 | 0.0 | 183.859 | 2.158 | 0.0 | 115.796 | 3.256 | 0.0 | 1.438 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.136 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-------|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-------|-------|-----|-----|-------|-----|-----|-------|-----|
| 180 | 16314 | 16315 | NS | 1 | 0.0 | 24.746 | 6.314 | 0.0 | 24.647 | 6.907 | 0.0 | 336.655 | 2.405 | 0.0 | 47.335 | 3.112 | 0.0 | 1.441 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.138 | 0.0 |
| 181 | 16315 | 16316 | NS | 1 | 0.0 | 218.543 | 6.329 | 0.0 | 24.658 | 6.915 | 0.0 | 248.589 | 2.427 | 0.0 | 43.651 | 3.092 | 0.0 | 1.442 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.138 | 0.0 |
| 182 | 16315 | 16316 | SN | 1 | 0.0 | 23.362 | 5.908 | 0.0 | 24.746 | 7.513 | 0.0 | 130.292 | 2.15 | 0.0 | 174.52 | 3.279 | 0.0 | 1.447 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.136 | 0.0 |
| 183 | 16315 | 16316 | SN | 1 | 0.0 | 28.364 | 12.918 | 0.0 | 25.441 | 12.979 | 0.0 | 136.452 | 11.408 | 0.0 | 70.228 | 13.534 | 0.0 | 1.456 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.138 | 0.0 |
| 184 | 16315 | 16316 | NS | 1 | 0.0 | 259.644 | 10.295 | 0.695 | 29.996 | 14.29 | 0.0 | 354.419 | 10.146 | 0.0 | 59.733 | 12.822 | 0.0 | 1.419 | 0.0 | 0.002 | 1.781 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.137 | 0.0 |
| 185 | 16315 | 16316 | NS | 1 | 0.0 | 155.148 | 10.322 | 0.0 | 29.996 | 14.373 | 0.0 | 354.419 | 10.09 | 0.0 | 57.075 | 12.794 | 0.0 | 1.419 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.138 | 0.0 |
| 186 | 16315 | 16316 | SN | 1 | 0.0 | 28.358 | 12.928 | 0.0 | 25.656 | 12.999 | 0.0 | 136.535 | 11.386 | 0.0 | 106.564 | 13.562 | 0.0 | 1.455 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.137 | 0.0 |
| 187 | 16315 | 16316 | SN | 1 | 0.0 | 22.077 | 6.015 | 0.0 | 24.762 | 7.518 | 0.0 | 130.209 | 2.286 | 0.0 | 12.966 | 3.106 | 0.0 | 1.439 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.136 | 0.0 |
| 188 | 16315 | 16316 | NS | 1 | 0.0 | 217.804 | 6.342 | 0.0 | 24.652 | 6.915 | 0.0 | 334.355 | 2.424 | 0.0 | 39.498 | 3.105 | 0.0 | 1.442 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.137 | 0.0 |
| 189 | 16315 | 16316 | SN | 1 | 0.0 | 22.077 | 5.911 | 0.0 | 24.762 | 7.524 | 0.0 | 130.209 | 2.145 | 0.0 | 48.935 | 3.272 | 0.0 | 1.439 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.136 | 0.0 |
| 190 | 16315 | 16316 | SN | 1 | 0.0 | 28.364 | 12.991 | 0.0 | 25.474 | 12.492 | 0.0 | 136.452 | 11.922 | 0.0 | 14.444 | 12.681 | 0.0 | 1.456 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.834 | 0.0 | 0.0 | 2.138 | 0.0 |
| 191 | 16316 | 16317 | NS | 1 | 0.0 | 24.04 | 10.249 | 0.0 | 29.991 | 14.363 | 0.0 | 355.935 | 10.103 | 0.0 | 59.821 | 12.743 | 0.0 | 1.419 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.138 | 0.0 |
| 192 | 16316 | 16317 | NS | 1 | 0.0 | 24.04 | 10.249 | 0.0 | 29.991 | 14.363 | 0.0 | 355.935 | 10.103 | 0.0 | 59.821 | 12.743 | 0.0 | 1.419 | 0.0 | 0.0 | 1.785 | 0.0 | 0.0 | 1.842 | 0.0 | 0.0 | 2.138 | 0.0 |
| 193 | 16316 | 16317 | SN | 1 | 0.0 | 23.384 | 5.89 | 0.0 | 24.751 | 7.468 | 0.0 | 144.785 | 2.141 | 0.0 | 272.695 | 3.299 | 0.0 | 1.439 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.134 | 0.0 |
| 194 | 16316 | 16317 | SN | 1 | 0.0 | 23.384 | 5.89 | 0.0 | 24.751 | 7.468 | 0.0 | 144.785 | 2.141 | 0.0 | 272.695 | 3.299 | 0.0 | 1.439 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.134 | 0.0 |
| 195 | 16316 | 16317 | NS | 1 | 0.0 | 198.901 | 6.331 | 0.0 | 24.652 | 6.978 | 0.0 | 354.695 | 2.506 | 0.0 | 53.65 | 3.093 | 0.0 | 1.442 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.14 | 0.0 |
| 196 | 16316 | 16317 | SN | 1 | 0.0 | 28.143 | 12.895 | 0.0 | 25.678 | 13.082 | 0.0 | 147.758 | 11.324 | 0.0 | 259.566 | 13.669 | 0.0 | 1.456 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 2.135 | 0.0 |
| 197 | 16316 | 16317 | NS | 1 | 0.0 | 198.901 | 6.331 | 0.0 | 24.652 | 6.978 | 0.0 | 354.695 | 2.506 | 0.0 | 53.65 | 3.093 | 0.0 | 1.442 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.14 | 0.0 |
| 198 | 16316 | 16317 | SN | 1 | 0.0 | 23.384 | 6.058 | 0.0 | 24.751 | 7.454 | 0.0 | 144.785 | 2.337 | 0.0 | 272.695 | 3.195 | 0.0 | 1.439 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.134 | 0.0 |
| 199 | 16316 | 16317 | SN | 1 | 0.0 | 28.143 | 12.895 | 0.0 | 25.678 | 13.082 | 0.0 | 147.758 | 11.324 | 0.0 | 259.566 | 13.669 | 0.0 | 1.456 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 2.135 | 0.0 |
| 200 | 16316 | 16317 | SN | 1 | 0.0 | 28.143 | 12.976 | 0.0 | 25.358 | 12.396 | 0.0 | 147.758 | 11.966 | 0.0 | 259.566 | 12.659 | 0.0 | 1.456 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.823 | 0.0 | 0.0 | 2.135 | 0.0 |
| 201 | 16317 | 16318 | NS | 1 | 0.0 | 200.873 | 6.337 | 0.0 | 24.658 | 6.96 | 0.0 | 353.415 | 2.498 | 0.0 | 62.816 | 3.106 | 0.0 | 1.442 | 0.0 | 0.0 | 1.781 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.139 | 0.0 |
| 202 | 16317 | 16318 | SN | 1 | 0.0 | 23.378 | 5.887 | 0.0 | 227.326 | 7.416 | 0.0 | 141.283 | 2.12 | 0.0 | 265.181 | 3.327 | 0.0 | 1.446 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.133 | 0.0 |
| 203 | 16317 | 16318 | SN | 1 | 0.0 | 28.066 | 12.936 | 0.0 | 28.83 | 13.103 | 0.0 | 154.1 | 11.296 | 0.0 | 95.738 | 13.626 | 0.0 | 1.455 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.825 | 0.0 | 0.0 | 2.135 | 0.0 |
| 204 | 16317 | 16318 | SN | 1 | 0.0 | 23.384 | 5.885 | 0.0 | 128.417 | 7.414 | 0.0 | 141.36 | 2.116 | 0.0 | 265.181 | 3.327 | 0.0 | 1.445 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.133 | 0.0 |
| 205 | 16317 | 16318 | SN | 1 | 0.0 | 28.06 | 12.925 | 0.0 | 28.83 | 13.092 | 0.0 | 154.144 | 11.296 | 0.0 | 95.738 | 13.612 | 0.0 | 1.454 | 0.0 | 0.0 | 1.779 | 0.0 | 0.0 | 1.825 | 0.0 | 0.0 | 2.135 | 0.0 |
| 206 | 16317 | 16318 | NS | 1 | 0.0 | 237.407 | 10.264 | 0.0 | 30.007 | 14.371 | 0.0 | 356.062 | 10.265 | 0.0 | 90.38 | 12.831 | 0.0 | 1.42 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.138 | 0.0 |
| 207 | 16317 | 16318 | NS | 1 | 0.0 | 108.262 | 10.35 | 0.0 | 30.007 | 14.423 | 0.0 | 356.062 | 10.153 | 0.0 | 90.236 | 12.787 | 0.0 | 1.42 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.138 | 0.0 |
| 208 | 16317 | 16318 | NS | 1 | 0.0 | 217.798 | 6.335 | 0.0 | 24.658 | 6.975 | 0.0 | 354.921 | 2.491 | 0.0 | 69.561 | 3.098 | 0.0 | 1.442 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.139 | 0.0 |
| 209 | 16318 | 16319 | NS | 1 | 0.0 | 24.018 | 10.172 | 0.75 | 30.013 | 14.383 | 0.0 | 350.84 | 10.244 | 0.0 | 93.192 | 12.796 | 0.0 | 1.419 | 0.0 | 0.002 | 1.781 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.138 | 0.0 |
| 210 | 16318 | 16319 | NS | 1 | 0.0 | 24.751 | 6.33 | 0.0 | 24.669 | 6.964 | 0.0 | 353.696 | 2.489 | 0.0 | 65.0 | 3.104 | 0.0 | 1.442 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.138 | 0.0 |
| 211 | 16318 | 16319 | SN | 1 | 0.0 | 23.378 | 5.89 | 0.0 | 24.74 | 7.453 | 0.0 | 134.136 | 2.106 | 0.0 | 52.26 | 3.279 | 0.0 | 1.446 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.136 | 0.0 |
| 212 | 16318 | 16319 | SN | 1 | 0.0 | 28.452 | 12.928 | 0.0 | 25.424 | 13.127 | 0.0 | 147.217 | 11.163 | 0.0 | 77.331 | 13.6 | 0.0 | 1.455 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.83 | 0.0 | 0.0 | 2.136 | 0.0 |
| 213 | 16318 | 16319 | NS | 1 | 0.0 | 24.018 | 10.172 | 0.75 | 30.013 | 14.383 | 0.0 | 350.84 | 10.244 | 0.0 | 93.192 | 12.796 | 0.0 | 1.419 | 0.0 | 0.002 | 1.781 | 0.0 | 0.0 | 1.835 | 0.0 | 0.0 | 2.138 | 0.0 |
| 214 | 16318 | 16319 | NS | 1 | 0.0 | 24.751 | 6.33 | 0.0 | 24.669 | 6.964 | 0.0 | 353.696 | 2.489 | 0.0 | 65.0 | 3.104 | 0.0 | 1.442 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.138 | 0.0 |
| 215 | 16319 | 16320 | SN | 1 | 0.0 | 23.389 | 5.89 | 0.0 | 189.305 | 7.456 | 0.0 | 158.005 | 2.128 | 0.0 | 172.799 | 3.275 | 0.0 | 1.445 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.839 | 0.0 | 0.0 | 2.134 | 0.0 |
| 216 | 16319 | 16320 | SN | 1 | 0.0 | 28.386 | 12.936 | 0.0 | 94.877 | 13.019 | 0.0 | 137.108 | 11.245 | 0.0 | 225.87 | 13.576 | 0.0 | 1.458 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.135 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|---------|--------|-------|---------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-------|-------|-----|-----|-------|-----|-----|-------|-----|
| 217 | 16319 | 16320 | NS | 1 | 0.0 | 161.471 | 10.228 | 0.0 | 30.007 | 14.226 | 0.0 | 356.134 | 10.199 | 0.0 | 89.9 | 12.814 | 0.0 | 1.419 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.836 | 0.0 | 0.0 | 2.146 | 0.0 |
| 218 | 16319 | 16320 | NS | 1 | 0.0 | 191.583 | 6.32 | 0.0 | 24.663 | 6.97 | 0.0 | 354.016 | 2.488 | 0.0 | 72.781 | 3.088 | 0.0 | 1.446 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.85 | 0.0 | 0.0 | 2.139 | 0.0 |
| 219 | 16320 | 16321 | SN | 1 | 0.0 | 23.389 | 5.884 | 0.0 | 131.61 | 7.434 | 0.0 | 141.846 | 2.136 | 0.0 | 134.643 | 3.278 | 0.0 | 1.445 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.134 | 0.0 |
| 220 | 16320 | 16321 | NS | 1 | 0.0 | 105.949 | 6.388 | 0.0 | 24.658 | 6.969 | 0.0 | 310.569 | 2.53 | 0.0 | 13.032 | 3.0 | 0.0 | 1.441 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.138 | 0.0 |
| 221 | 16320 | 16321 | SN | 1 | 0.0 | 28.38 | 12.908 | 0.0 | 232.444 | 12.989 | 0.0 | 139.392 | 11.337 | 0.0 | 205.858 | 13.626 | 0.0 | 1.455 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.135 | 0.0 |
| 222 | 16320 | 16321 | SN | 1 | 0.0 | 28.38 | 12.908 | 0.0 | 232.444 | 12.989 | 0.0 | 139.392 | 11.337 | 0.0 | 205.858 | 13.626 | 0.0 | 1.455 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.833 | 0.0 | 0.0 | 2.135 | 0.0 |
| 223 | 16320 | 16321 | NS | 1 | 0.0 | 105.949 | 6.336 | 0.0 | 24.658 | 6.965 | 0.0 | 310.569 | 2.487 | 0.0 | 77.138 | 3.078 | 0.0 | 1.441 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.138 | 0.0 |
| 224 | 16320 | 16321 | NS | 1 | 0.0 | 241.891 | 10.237 | 0.0 | 30.007 | 14.368 | 0.0 | 354.132 | 10.131 | 0.0 | 88.527 | 12.792 | 0.0 | 1.419 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.139 | 0.0 |
| 225 | 16320 | 16321 | SN | 1 | 0.0 | 23.389 | 5.884 | 0.0 | 131.61 | 7.434 | 0.0 | 141.846 | 2.136 | 0.0 | 134.643 | 3.278 | 0.0 | 1.445 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.134 | 0.0 |
| 226 | 16320 | 16321 | NS | 1 | 0.0 | 241.891 | 10.254 | 0.0 | 30.007 | 14.163 | 0.0 | 354.132 | 10.254 | 0.0 | 19.181 | 12.439 | 0.0 | 1.419 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.841 | 0.0 | 0.0 | 2.139 | 0.0 |
| 227 | 16321 | 16322 | NS | 1 | 0.0 | 154.886 | 10.264 | 0.0 | 29.996 | 14.434 | 0.0 | 354.535 | 10.175 | 0.0 | 58.376 | 12.786 | 0.0 | 1.418 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.139 | 0.0 |
| 228 | 16321 | 16322 | SN | 1 | 0.0 | 23.389 | 5.886 | 0.0 | 43.307 | 7.407 | 0.0 | 145.795 | 2.12 | 0.0 | 47.065 | 3.311 | 0.0 | 1.447 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.133 | 0.0 |
| 229 | 16321 | 16322 | SN | 1 | 0.0 | 23.389 | 5.886 | 0.0 | 43.307 | 7.407 | 0.0 | 145.795 | 2.12 | 0.0 | 47.065 | 3.315 | 0.0 | 1.447 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.133 | 0.0 |
| 230 | 16321 | 16322 | NS | 1 | 0.0 | 237.28 | 6.344 | 0.0 | 24.652 | 6.978 | 0.0 | 326.11 | 2.494 | 0.0 | 52.282 | 3.125 | 0.0 | 1.445 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.141 | 0.0 |
| 231 | 16321 | 16322 | NS | 1 | 0.0 | 237.28 | 6.344 | 0.0 | 24.652 | 6.978 | 0.0 | 326.11 | 2.494 | 0.0 | 52.282 | 3.125 | 0.0 | 1.445 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.141 | 0.0 |
| 232 | 16321 | 16322 | SN | 1 | 0.0 | 28.59 | 12.918 | 0.0 | 51.331 | 13.019 | 0.0 | 134.869 | 11.287 | 0.0 | 70.84 | 13.605 | 0.0 | 1.456 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.135 | 0.0 |
| 233 | 16321 | 16322 | NS | 1 | 0.0 | 154.886 | 10.344 | 0.0 | 29.996 | 13.949 | 0.0 | 354.535 | 10.545 | 0.0 | 14.427 | 12.057 | 0.0 | 1.418 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.139 | 0.0 |
| 234 | 16321 | 16322 | SN | 1 | 0.0 | 28.59 | 12.918 | 0.0 | 51.331 | 13.019 | 0.0 | 134.869 | 11.287 | 0.0 | 70.84 | 13.605 | 0.0 | 1.456 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.832 | 0.0 | 0.0 | 2.135 | 0.0 |
| 235 | 16321 | 16322 | NS | 1 | 0.0 | 237.28 | 6.482 | 0.0 | 24.652 | 6.972 | 0.0 | 326.11 | 2.617 | 0.0 | 12.927 | 3.03 | 0.0 | 1.445 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.141 | 0.0 |
| 236 | 16321 | 16322 | NS | 1 | 0.0 | 154.886 | 10.264 | 0.0 | 29.996 | 14.434 | 0.0 | 354.535 | 10.175 | 0.0 | 58.376 | 12.786 | 0.0 | 1.418 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.139 | 0.0 |
| 237 | 16322 | 16323 | NS | 1 | 0.0 | 24.161 | 10.422 | 0.0 | 29.996 | 13.846 | 0.0 | 355.897 | 11.263 | 0.0 | 13.374 | 11.901 | 0.0 | 1.418 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.139 | 0.0 |
| 238 | 16322 | 16323 | SN | 1 | 0.0 | 23.384 | 5.875 | 0.0 | 124.956 | 7.418 | 0.0 | 145.949 | 2.115 | 0.0 | 117.252 | 3.35 | 0.0 | 1.447 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.133 | 0.0 |
| 239 | 16322 | 16323 | NS | 1 | 0.0 | 24.784 | 6.636 | 0.0 | 24.658 | 7.157 | 0.0 | 354.744 | 2.745 | 0.0 | 12.922 | 3.146 | 0.0 | 1.442 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.14 | 0.0 |
| 240 | 16322 | 16323 | NS | 1 | 0.0 | 100.9 | 6.387 | 0.0 | 172.228 | 7.077 | 0.0 | 354.744 | 2.573 | 0.0 | 155.799 | 3.213 | 0.0 | 1.442 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.14 | 0.0 |
| 241 | 16322 | 16323 | NS | 1 | 0.0 | 78.638 | 10.296 | 0.0 | 175.371 | 14.707 | 0.0 | 355.897 | 10.579 | 0.0 | 156.416 | 13.035 | 0.0 | 1.418 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.139 | 0.0 |
| 242 | 16322 | 16323 | SN | 1 | 0.0 | 23.384 | 5.875 | 0.0 | 124.956 | 7.418 | 0.0 | 145.949 | 2.115 | 0.0 | 117.252 | 3.35 | 0.0 | 1.447 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.838 | 0.0 | 0.0 | 2.133 | 0.0 |
| 243 | 16322 | 16323 | SN | 1 | 0.0 | 28.485 | 12.925 | 0.0 | 218.948 | 13.03 | 0.0 | 150.19 | 11.324 | 0.0 | 157.754 | 13.682 | 0.0 | 1.456 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 2.135 | 0.0 |
| 244 | 16322 | 16323 | NS | 1 | 0.0 | 78.638 | 10.296 | 0.0 | 175.371 | 14.707 | 0.0 | 355.897 | 10.579 | 0.0 | 156.416 | 13.035 | 0.0 | 1.418 | 0.0 | 0.0 | 1.784 | 0.0 | 0.0 | 1.844 | 0.0 | 0.0 | 2.139 | 0.0 |
| 245 | 16322 | 16323 | SN | 1 | 0.0 | 28.485 | 12.925 | 0.0 | 218.948 | 13.03 | 0.0 | 150.19 | 11.324 | 0.0 | 157.754 | 13.682 | 0.0 | 1.456 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.822 | 0.0 | 0.0 | 2.135 | 0.0 |
| 246 | 16322 | 16323 | NS | 1 | 0.0 | 100.9 | 6.387 | 0.0 | 172.228 | 7.075 | 0.0 | 354.744 | 2.573 | 0.0 | 155.799 | 3.213 | 0.0 | 1.442 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.845 | 0.0 | 0.0 | 2.14 | 0.0 |
| 247 | 16323 | 16324 | SN | 1 | 0.0 | 28.386 | 13.068 | 0.0 | 25.336 | 12.448 | 0.0 | 145.067 | 11.712 | 0.0 | 14.394 | 12.666 | 0.0 | 1.454 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.135 | 0.0 |
| 248 | 16323 | 16324 | NS | 1 | 0.0 | 55.848 | 10.223 | 0.745 | 29.996 | 14.413 | 0.0 | 149.586 | 10.514 | 0.0 | 74.579 | 12.895 | 0.0 | 1.418 | 0.0 | 0.002 | 1.783 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.138 | 0.0 |
| 249 | 16323 | 16324 | SN | 1 | 0.0 | 23.4 | 5.987 | 0.0 | 24.751 | 7.292 | 0.0 | 134.312 | 2.275 | 0.0 | 12.933 | 3.275 | 0.0 | 1.446 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.135 | 0.0 |
| 250 | 16323 | 16324 | SN | 1 | 0.0 | 23.4 | 5.872 | 0.0 | 24.751 | 7.325 | 0.0 | 134.312 | 2.115 | 0.0 | 51.626 | 3.392 | 0.0 | 1.446 | 0.0 | 0.0 | 1.777 | 0.0 | 0.0 | 1.837 | 0.0 | 0.0 | 2.135 | 0.0 |
| 251 | 16323 | 16324 | SN | 1 | 0.0 | 28.386 | 12.988 | 0.0 | 25.336 | 13.107 | 0.0 | 145.067 | 11.151 | 0.0 | 76.482 | 13.643 | 0.0 | 1.454 | 0.0 | 0.0 | 1.778 | 0.0 | 0.0 | 1.831 | 0.0 | 0.0 | 2.135 | 0.0 |
| 252 | 16323 | 16324 | NS | 1 | 0.0 | 55.848 | 10.223 | 0.745 | 29.996 | 14.423 | 0.0 | 149.586 | 10.5 | 0.0 | 74.579 | 12.895 | 0.0 | 1.418 | 0.0 | 0.002 | 1.783 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.138 | 0.0 |
| 253 | 16323 | 16324 | NS | 1 | 0.0 | 53.824 | 6.327 | 0.0 | 24.652 | 7.0 | 0.0 | 302.175 | 2.524 | 0.0 | 63.45 | 3.126 | 0.0 | 1.443 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.138 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|-----|--------|--------|-------|--------|--------|-----|---------|--------|-----|--------|--------|-----|-------|-----|-------|-------|-----|-----|-------|-----|-----|-------|-----|
| 254 | 16323 | 16324 | NS | 1 | 0.0 | 24.795 | 6.812 | 0.0 | 24.652 | 7.278 | 0.0 | 302.175 | 2.959 | 0.0 | 12.922 | 3.345 | 0.0 | 1.443 | 0.0 | 0.0 | 1.783 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.138 | 0.0 |
| 255 | 16323 | 16324 | NS | 1 | 0.0 | 53.824 | 6.325 | 0.0 | 24.652 | 6.998 | 0.0 | 302.17 | 2.522 | 0.0 | 63.45 | 3.124 | 0.0 | 1.443 | 0.0 | 0.0 | 1.782 | 0.0 | 0.0 | 1.846 | 0.0 | 0.0 | 2.138 | 0.0 |
| 256 | 16323 | 16324 | NS | 1 | 0.0 | 24.056 | 10.471 | 0.745 | 29.996 | 13.747 | 0.0 | 149.586 | 12.095 | 0.0 | 13.368 | 12.063 | 0.0 | 1.418 | 0.0 | 0.002 | 1.783 | 0.0 | 0.0 | 1.843 | 0.0 | 0.0 | 2.138 | 0.0 |

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