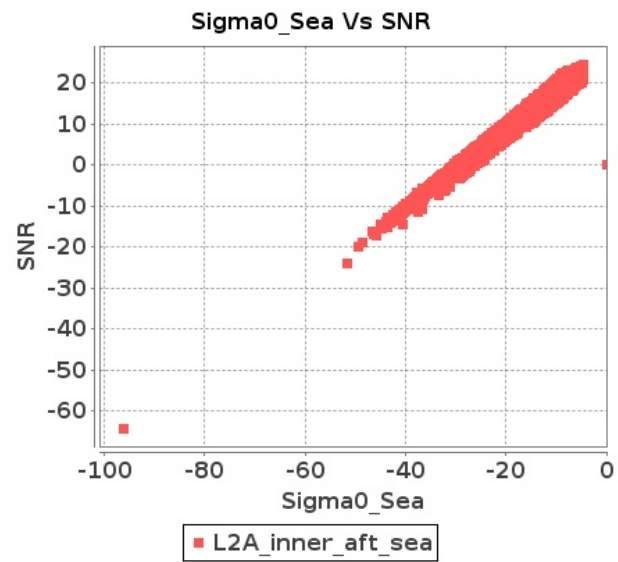


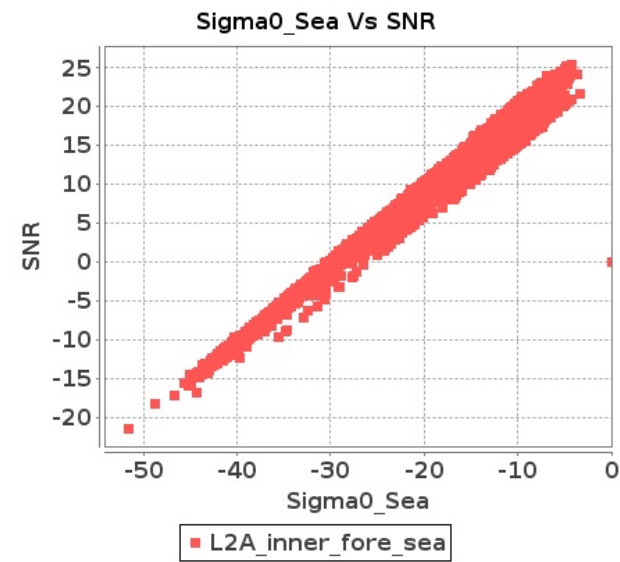
SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 15-JAN-2017 To 16-JAN-2017

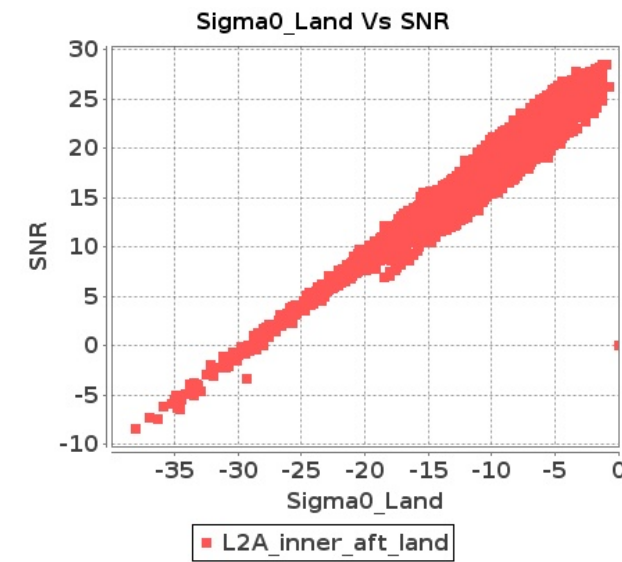
Inner Sea Aft Sigma0VsSNR



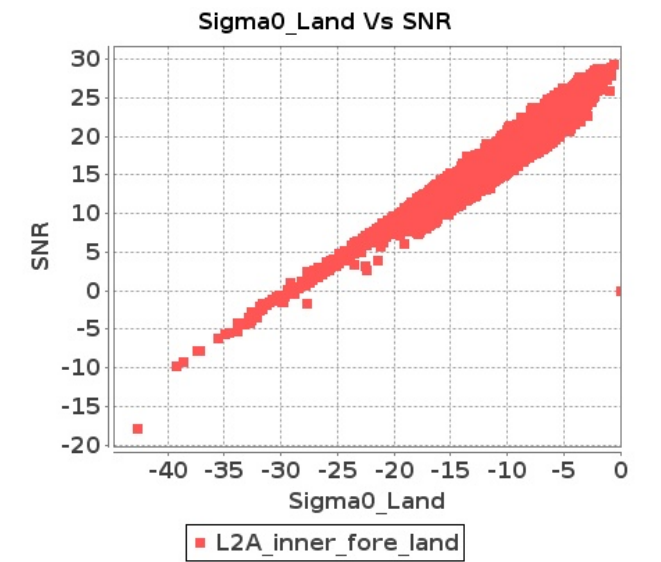
Inner Sea Fore Sigma0VsSNR



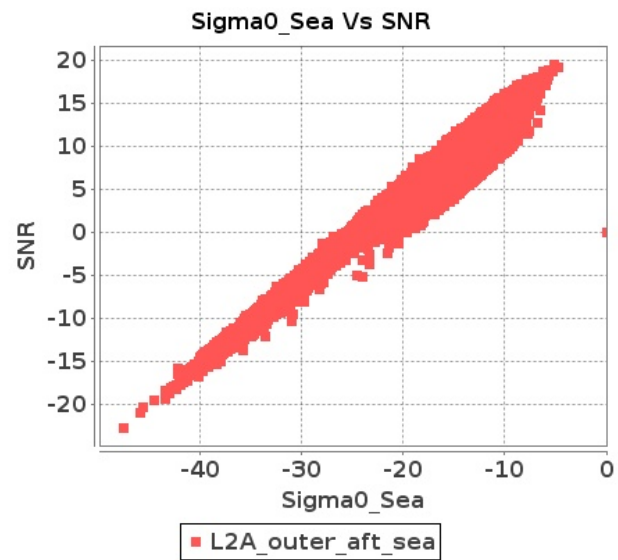
Inner Land Aft Sigma0VsSNR



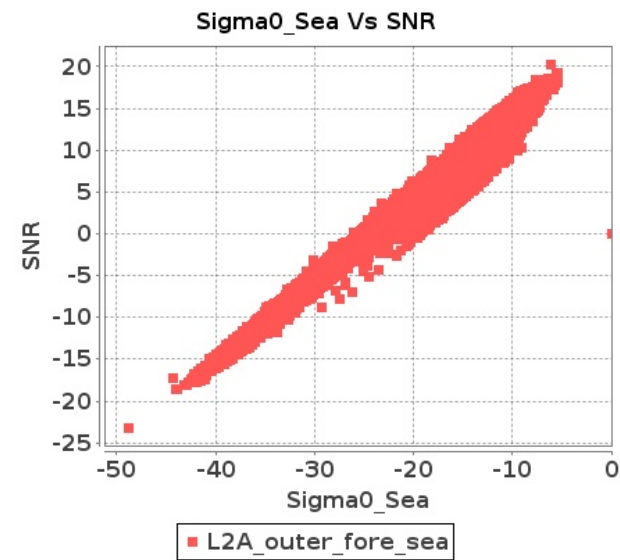
Inner Land Fore Sigma0VsSNR



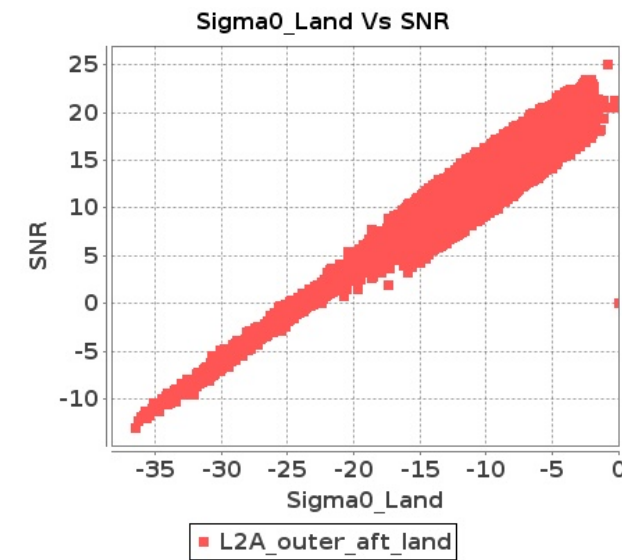
Outer Sea Aft Sigma0VsSNR



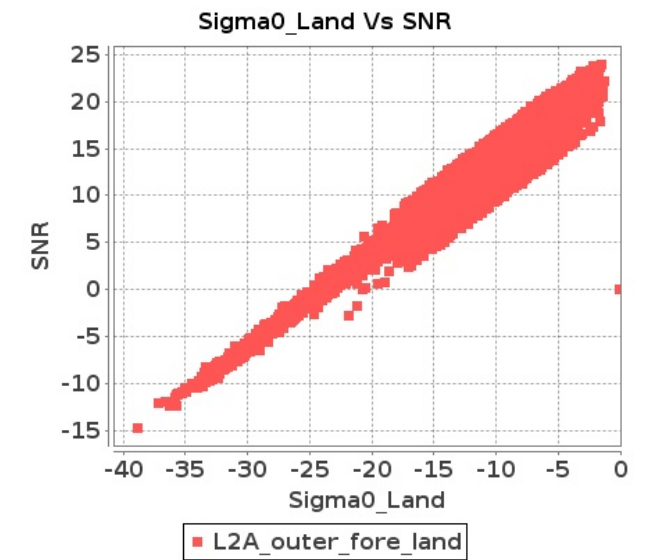
Outer Sea Fore Sigma0VsSNR



Outer Land Aft Sigma0VsSNR



Outer Land Fore Sigma0VsSNR



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

Report between 15-JAN-2017 To 16-JAN-2017

| Sr No | Start Orbit | End Orbit | Dir. | Ver. | SNR | | | | | | | | | | | | Sigma0 | | | | | | | | | | | |
|-------|-------------|-----------|------|------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|
| | | | | | Inner Aft | | | Inner Fore | | | Outer Aft | | | Outer Fore | | | Inner Aft | | | Inner Fore | | | Outer Aft | | | Outer Fore | | |
| | | | | | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) |
| 1 | 1607 | 1608 | SN | 1 | 0.0 | 60.03 | 1.711 | 0.0 | 46.826 | 1.702 | 0.0 | 46.288 | 1.319 | 0.0 | 51.718 | 2.088 | 0.0 | 59.536 | 1.65 | 0.0 | 49.406 | 1.34 | 0.0 | 46.93 | 1.31 | 0.0 | 45.799 | 1.314 |
| 2 | 1607 | 1608 | SN | 1 | 0.0 | 57.355 | 5.638 | 0.0 | 50.51 | 5.717 | 0.0 | 47.982 | 4.441 | 0.0 | 54.136 | 5.647 | 0.0 | 56.878 | 5.461 | 0.0 | 49.309 | 4.846 | 0.0 | 50.897 | 4.284 | 0.0 | 50.284 | 4.128 |
| 3 | 1607 | 1608 | SN | 1 | 0.0 | 57.355 | 5.638 | 0.0 | 50.51 | 5.717 | 0.0 | 47.982 | 4.441 | 0.0 | 54.136 | 5.647 | 0.0 | 56.878 | 5.461 | 0.0 | 49.309 | 4.846 | 0.0 | 50.897 | 4.284 | 0.0 | 50.284 | 4.128 |
| 4 | 1607 | 1608 | SN | 1 | 0.0 | 60.03 | 1.711 | 0.0 | 46.826 | 1.702 | 0.0 | 46.288 | 1.319 | 0.0 | 51.718 | 2.088 | 0.0 | 59.536 | 1.65 | 0.0 | 49.406 | 1.34 | 0.0 | 46.93 | 1.31 | 0.0 | 45.799 | 1.314 |
| 5 | 1608 | 1609 | NS | 1 | 0.0 | 50.992 | 2.787 | 0.0 | 51.996 | 2.689 | 0.0 | 46.565 | 2.103 | 0.0 | 48.584 | 2.708 | 0.0 | 50.075 | 2.77 | 0.0 | 52.127 | 2.329 | 0.0 | 46.773 | 2.269 | 0.0 | 48.459 | 1.976 |
| 6 | 1608 | 1609 | SN | 1 | 0.0 | 52.92 | 1.848 | 0.0 | 51.633 | 1.622 | 0.0 | 43.098 | 1.352 | 0.0 | 60.025 | 1.726 | 0.0 | 57.46 | 1.962 | 0.0 | 53.111 | 1.506 | 0.0 | 45.336 | 1.498 | 0.0 | 57.622 | 1.364 |
| 7 | 1608 | 1609 | SN | 1 | 0.0 | 52.92 | 1.848 | 0.0 | 51.633 | 1.622 | 0.0 | 43.098 | 1.352 | 0.0 | 60.025 | 1.726 | 0.0 | 57.46 | 1.962 | 0.0 | 53.111 | 1.506 | 0.0 | 45.336 | 1.498 | 0.0 | 57.622 | 1.364 |
| 8 | 1608 | 1609 | NS | 1 | 0.0 | 58.789 | 8.958 | 0.0 | 55.893 | 9.715 | 0.0 | 62.921 | 7.014 | 0.0 | 50.652 | 8.662 | 0.0 | 59.711 | 8.748 | 0.0 | 57.905 | 8.922 | 0.0 | 62.594 | 7.227 | 0.0 | 50.619 | 6.998 |
| 9 | 1608 | 1609 | SN | 1 | 0.0 | 57.731 | 6.295 | 0.0 | 57.388 | 6.156 | 0.0 | 61.289 | 4.768 | 0.0 | 50.148 | 5.34 | 0.0 | 56.988 | 6.387 | 0.0 | 57.68 | 5.607 | 0.0 | 59.864 | 5.002 | 0.0 | 51.635 | 4.463 |
| 10 | 1608 | 1609 | NS | 1 | 0.0 | 50.992 | 2.787 | 0.0 | 51.996 | 2.689 | 0.0 | 46.565 | 2.103 | 0.0 | 48.584 | 2.708 | 0.0 | 50.075 | 2.77 | 0.0 | 52.127 | 2.329 | 0.0 | 46.773 | 2.269 | 0.0 | 48.459 | 1.976 |
| 11 | 1608 | 1609 | SN | 1 | 0.0 | 57.731 | 6.295 | 0.0 | 57.388 | 6.156 | 0.0 | 61.289 | 4.768 | 0.0 | 50.148 | 5.34 | 0.0 | 56.988 | 6.387 | 0.0 | 57.68 | 5.607 | 0.0 | 59.864 | 5.002 | 0.0 | 51.635 | 4.463 |
| 12 | 1608 | 1609 | NS | 1 | 0.0 | 58.789 | 8.958 | 0.0 | 55.893 | 9.715 | 0.0 | 62.921 | 7.014 | 0.0 | 50.652 | 8.662 | 0.0 | 59.711 | 8.748 | 0.0 | 57.905 | 8.922 | 0.0 | 62.594 | 7.227 | 0.0 | 50.619 | 6.998 |
| 13 | 1609 | 1610 | SN | 1 | 0.0 | 57.293 | 5.601 | 0.0 | 57.083 | 6.766 | 0.0 | 47.162 | 5.135 | 0.0 | 51.577 | 7.042 | 0.0 | 60.342 | 5.525 | 0.0 | 56.211 | 6.133 | 0.0 | 47.27 | 5.405 | 0.0 | 51.501 | 5.392 |
| 14 | 1609 | 1610 | SN | 1 | 0.0 | 47.912 | 1.866 | 0.0 | 50.7 | 2.421 | 0.0 | 42.959 | 1.862 | 0.0 | 48.041 | 2.647 | 0.0 | 47.914 | 1.848 | 0.0 | 49.783 | 2.018 | 0.0 | 41.987 | 1.929 | 0.0 | 50.943 | 1.831 |
| 15 | 1609 | 1610 | NS | 1 | 0.0 | 62.53 | 2.117 | 0.0 | 52.723 | 2.202 | 0.0 | 50.395 | 1.646 | 0.0 | 45.024 | 2.513 | 0.0 | 62.044 | 2.18 | 0.0 | 59.104 | 1.968 | 0.0 | 48.517 | 1.726 | 0.0 | 45.702 | 1.837 |
| 16 | 1609 | 1610 | NS | 1 | 0.0 | 69.768 | 6.704 | 0.0 | 49.454 | 7.406 | 0.0 | 49.538 | 5.27 | 0.0 | 61.602 | 7.113 | 0.0 | 66.351 | 6.822 | 0.0 | 49.75 | 6.959 | 0.0 | 50.936 | 5.532 | 0.0 | 61.046 | 5.506 |
| 17 | 1609 | 1610 | NS | 1 | 0.0 | 62.53 | 2.117 | 0.0 | 52.723 | 2.202 | 0.0 | 50.395 | 1.646 | 0.0 | 45.024 | 2.513 | 0.0 | 62.044 | 2.18 | 0.0 | 59.104 | 1.968 | 0.0 | 48.517 | 1.726 | 0.0 | 45.702 | 1.837 |
| 18 | 1609 | 1610 | SN | 1 | 0.0 | 47.912 | 1.866 | 0.0 | 50.7 | 2.421 | 0.0 | 42.959 | 1.862 | 0.0 | 48.041 | 2.647 | 0.0 | 47.914 | 1.848 | 0.0 | 49.783 | 2.018 | 0.0 | 41.987 | 1.929 | 0.0 | 50.943 | 1.831 |
| 19 | 1609 | 1610 | SN | 1 | 0.0 | 57.293 | 5.601 | 0.0 | 57.083 | 6.766 | 0.0 | 47.162 | 5.135 | 0.0 | 51.577 | 7.042 | 0.0 | 60.342 | 5.525 | 0.0 | 56.211 | 6.133 | 0.0 | 47.27 | 5.405 | 0.0 | 51.501 | 5.392 |
| 20 | 1609 | 1610 | NS | 1 | 0.0 | 69.768 | 6.704 | 0.0 | 49.454 | 7.406 | 0.0 | 49.538 | 5.27 | 0.0 | 61.602 | 7.113 | 0.0 | 66.351 | 6.822 | 0.0 | 49.75 | 6.959 | 0.0 | 50.936 | 5.532 | 0.0 | 61.046 | 5.506 |
| 21 | 1610 | 1611 | NS | 1 | 0.0 | 51.266 | 4.397 | 0.0 | 49.837 | 5.641 | 0.0 | 43.004 | 3.851 | 0.0 | 48.826 | 5.931 | 0.0 | 55.442 | 4.389 | 0.0 | 49.689 | 5.304 | 0.0 | 44.751 | 4.071 | 0.0 | 48.368 | 4.068 |
| 22 | 1610 | 1611 | SN | 1 | 0.0 | 47.761 | 5.335 | 0.0 | 47.999 | 7.013 | 0.0 | 48.106 | 5.295 | 0.0 | 63.433 | 7.41 | 0.0 | 48.634 | 5.099 | 0.0 | 47.424 | 5.989 | 0.0 | 49.283 | 5.337 | 0.0 | 58.748 | 5.527 |
| 23 | 1610 | 1611 | NS | 1 | 0.0 | 48.772 | 1.32 | 0.0 | 54.106 | 1.916 | 0.0 | 48.136 | 1.413 | 0.0 | 58.795 | 2.159 | 0.0 | 53.36 | 1.364 | 0.0 | 51.585 | 1.695 | 0.0 | 50.745 | 1.452 | 0.0 | 53.426 | 1.451 |
| 24 | 1610 | 1611 | SN | 1 | 0.0 | 52.204 | 1.693 | 0.0 | 43.766 | 2.32 | 0.0 | 54.21 | 1.801 | 0.0 | 51.65 | 2.908 | 0.0 | 50.378 | 1.575 | 0.0 | 46.166 | 1.936 | 0.0 | 57.002 | 1.733 | 0.0 | 53.944 | 1.938 |
| 25 | 1610 | 1611 | NS | 1 | 0.0 | 51.266 | 4.397 | 0.0 | 49.837 | 5.641 | 0.0 | 43.004 | 3.851 | 0.0 | 48.826 | 5.931 | 0.0 | 55.442 | 4.389 | 0.0 | 49.689 | 5.304 | 0.0 | 44.751 | 4.071 | 0.0 | 48.368 | 4.068 |
| 26 | 1610 | 1611 | SN | 1 | 0.0 | 47.761 | 5.335 | 0.0 | 47.999 | 7.013 | 0.0 | 48.106 | 5.295 | 0.0 | 63.433 | 7.41 | 0.0 | 48.634 | 5.099 | 0.0 | 47.424 | 5.989 | 0.0 | 49.283 | 5.337 | 0.0 | 58.748 | 5.527 |
| 27 | 1610 | 1611 | NS | 1 | 0.0 | 48.772 | 1.32 | 0.0 | 54.106 | 1.916 | 0.0 | 48.136 | 1.413 | 0.0 | 58.795 | 2.159 | 0.0 | 53.36 | 1.364 | 0.0 | 51.585 | 1.695 | 0.0 | 50.745 | 1.452 | 0.0 | 53.426 | 1.451 |
| 28 | 1610 | 1611 | SN | 1 | 0.0 | 52.204 | 1.693 | 0.0 | 43.766 | 2.32 | 0.0 | 54.21 | 1.801 | 0.0 | 51.65 | 2.908 | 0.0 | 50.378 | 1.575 | 0.0 | 46.166 | 1.936 | 0.0 | 57.002 | 1.733 | 0.0 | 53.944 | 1.938 |
| 29 | 1611 | 1612 | NS | 1 | 0.0 | 51.634 | 4.076 | 0.0 | 47.79 | 6.259 | 0.0 | 43.909 | 3.891 | 0.0 | 46.719 | 5.79 | 0.0 | 50.679 | 3.748 | 0.0 | 49.166 | 5.222 | 0.0 | 49.676 | 3.593 | 0.0 | 48.061 | 3.87 |
| 30 | 1611 | 1612 | NS | 1 | 0.0 | 55.304 | 1.022 | 0.0 | 53.189 | 1.588 | 0.0 | 49.338 | 1.029 | 0.0 | 46.995 | 1.97 | 0.0 | 59.321 | 0.946 | 0.0 | 50.66 | 1.226 | 0.0 | 46.839 | 1.031 | 0.0 | 46.121 | 1.138 |
| 31 | 1611 | 1612 | NS | 1 | 0.0 | 51.634 | 4.076 | 0.0 | 47.79 | 6.259 | 0.0 | 43.909 | 3.891 | 0.0 | 46.719 | 5.79 | 0.0 | 50.679 | 3.748 | 0.0 | 49.166 | 5.222 | 0.0 | 49.676 | 3.593 | 0.0 | 48.061 | 3.87 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 32 | 1611 | 1612 | SN | 1 | 0.0 | 45.155 | 1.857 | 0.0 | 46.658 | 2.25 | 0.0 | 55.137 | 1.762 | 0.0 | 49.62 | 2.826 | 0.0 | 44.446 | 1.735 | 0.0 | 46.865 | 1.793 | 0.0 | 56.776 | 1.705 | 0.0 | 48.589 | 1.881 |
| 33 | 1611 | 1612 | NS | 1 | 0.0 | 55.304 | 1.022 | 0.0 | 53.189 | 1.588 | 0.0 | 49.338 | 1.029 | 0.0 | 46.995 | 1.97 | 0.0 | 59.321 | 0.946 | 0.0 | 50.66 | 1.226 | 0.0 | 46.839 | 1.031 | 0.0 | 46.121 | 1.138 |
| 34 | 1611 | 1612 | SN | 1 | 0.0 | 50.05 | 5.679 | 0.0 | 48.87 | 7.122 | 0.0 | 62.041 | 4.868 | 0.0 | 46.24 | 7.053 | 0.0 | 50.774 | 5.443 | 0.0 | 49.624 | 6.031 | 0.0 | 65.089 | 4.882 | 0.0 | 49.495 | 4.978 |
| 35 | 1611 | 1612 | SN | 1 | 0.0 | 45.155 | 1.857 | 0.0 | 46.658 | 2.25 | 0.0 | 55.137 | 1.762 | 0.0 | 49.62 | 2.826 | 0.0 | 44.446 | 1.735 | 0.0 | 46.865 | 1.793 | 0.0 | 56.776 | 1.705 | 0.0 | 48.589 | 1.881 |
| 36 | 1611 | 1612 | SN | 1 | 0.0 | 50.05 | 5.679 | 0.0 | 48.87 | 7.122 | 0.0 | 62.041 | 4.868 | 0.0 | 46.24 | 7.053 | 0.0 | 50.774 | 5.443 | 0.0 | 49.624 | 6.031 | 0.0 | 65.089 | 4.882 | 0.0 | 49.495 | 4.978 |
| 37 | 1612 | 1613 | NS | 1 | 0.0 | 50.909 | 0.999 | 0.0 | 45.069 | 1.329 | 0.0 | 48.359 | 1.082 | 0.0 | 41.882 | 1.827 | 0.0 | 52.494 | 1.008 | 0.0 | 42.023 | 1.102 | 0.0 | 48.375 | 0.951 | 0.0 | 39.489 | 1.078 |
| 38 | 1612 | 1613 | NS | 1 | 0.0 | 50.842 | 3.933 | 0.0 | 54.27 | 4.775 | 0.0 | 41.426 | 3.152 | 0.0 | 41.936 | 5.534 | 0.0 | 48.313 | 3.899 | 0.0 | 53.321 | 4.176 | 0.0 | 42.33 | 2.932 | 0.0 | 45.87 | 3.77 |
| 39 | 1612 | 1613 | SN | 1 | 0.0 | 48.273 | 6.699 | 0.0 | 51.753 | 7.933 | 0.0 | 48.189 | 5.323 | 0.0 | 54.983 | 7.816 | 0.0 | 51.156 | 6.918 | 0.0 | 54.29 | 6.808 | 0.0 | 48.474 | 5.571 | 0.0 | 54.07 | 5.826 |
| 40 | 1612 | 1613 | NS | 1 | 0.0 | 50.909 | 0.999 | 0.0 | 45.069 | 1.329 | 0.0 | 48.359 | 1.082 | 0.0 | 41.882 | 1.827 | 0.0 | 52.494 | 1.008 | 0.0 | 42.023 | 1.102 | 0.0 | 48.375 | 0.951 | 0.0 | 39.489 | 1.078 |
| 41 | 1612 | 1613 | SN | 1 | 0.0 | 48.273 | 6.699 | 0.0 | 51.753 | 7.933 | 0.0 | 48.189 | 5.323 | 0.0 | 54.983 | 7.816 | 0.0 | 51.156 | 6.918 | 0.0 | 54.29 | 6.808 | 0.0 | 48.474 | 5.571 | 0.0 | 54.07 | 5.826 |
| 42 | 1612 | 1613 | NS | 1 | 0.0 | 50.842 | 3.933 | 0.0 | 54.27 | 4.775 | 0.0 | 41.426 | 3.152 | 0.0 | 41.936 | 5.534 | 0.0 | 48.313 | 3.899 | 0.0 | 53.321 | 4.176 | 0.0 | 42.33 | 2.932 | 0.0 | 45.87 | 3.77 |
| 43 | 1613 | 1614 | NS | 1 | 0.0 | 54.273 | 4.817 | 0.0 | 58.047 | 7.085 | 0.0 | 47.877 | 4.77 | 0.0 | 48.817 | 7.796 | 0.0 | 58.398 | 4.447 | 0.0 | 56.721 | 5.592 | 0.0 | 46.789 | 4.408 | 0.0 | 53.172 | 4.808 |
| 44 | 1613 | 1614 | NS | 1 | 0.0 | 46.495 | 1.516 | 0.0 | 48.195 | 2.096 | 0.0 | 50.681 | 1.508 | 0.0 | 47.459 | 2.619 | 0.0 | 47.034 | 1.288 | 0.0 | 51.752 | 1.567 | 0.0 | 49.923 | 1.382 | 0.0 | 46.037 | 1.474 |
| 45 | 1613 | 1614 | SN | 1 | 0.0 | 57.177 | 9.26 | 0.0 | 56.868 | 10.606 | 0.0 | 51.571 | 6.985 | 0.0 | 54.457 | 9.149 | 0.0 | 59.774 | 9.319 | 0.0 | 55.635 | 9.955 | 0.0 | 50.818 | 7.425 | 0.0 | 58.225 | 7.844 |
| 46 | 1613 | 1614 | NS | 1 | 0.0 | 46.495 | 1.516 | 0.0 | 48.195 | 2.096 | 0.0 | 50.681 | 1.508 | 0.0 | 47.459 | 2.619 | 0.0 | 47.034 | 1.288 | 0.0 | 51.752 | 1.567 | 0.0 | 49.923 | 1.382 | 0.0 | 46.037 | 1.474 |
| 47 | 1613 | 1614 | NS | 1 | 0.0 | 54.273 | 4.817 | 0.0 | 58.047 | 7.085 | 0.0 | 47.877 | 4.77 | 0.0 | 48.817 | 7.796 | 0.0 | 58.398 | 4.447 | 0.0 | 56.721 | 5.592 | 0.0 | 46.789 | 4.408 | 0.0 | 53.172 | 4.808 |
| 48 | 1613 | 1614 | SN | 1 | 0.0 | 57.177 | 9.26 | 0.0 | 56.868 | 10.606 | 0.0 | 51.571 | 6.985 | 0.0 | 54.457 | 9.149 | 0.0 | 59.774 | 9.319 | 0.0 | 55.635 | 9.955 | 0.0 | 50.818 | 7.425 | 0.0 | 58.225 | 7.844 |
| 49 | 1614 | 1615 | NS | 1 | 0.0 | 49.402 | 6.081 | 0.0 | 55.998 | 7.566 | 0.0 | 52.977 | 4.89 | 0.0 | 49.838 | 8.045 | 0.0 | 49.686 | 5.567 | 0.0 | 55.214 | 6.158 | 0.0 | 53.632 | 4.862 | 0.0 | 49.33 | 5.128 |
| 50 | 1614 | 1615 | NS | 1 | 0.0 | 49.866 | 1.83 | 0.0 | 43.082 | 2.448 | 0.0 | 55.508 | 1.662 | 0.0 | 53.031 | 2.886 | 0.0 | 46.623 | 1.697 | 0.0 | 45.865 | 1.86 | 0.0 | 62.609 | 1.72 | 0.0 | 48.859 | 1.641 |
| 51 | 1614 | 1615 | NS | 1 | 0.0 | 49.866 | 1.83 | 0.0 | 43.082 | 2.448 | 0.0 | 55.508 | 1.662 | 0.0 | 53.031 | 2.886 | 0.0 | 46.623 | 1.697 | 0.0 | 45.865 | 1.86 | 0.0 | 62.609 | 1.72 | 0.0 | 48.859 | 1.641 |
| 52 | 1614 | 1615 | NS | 1 | 0.0 | 49.402 | 6.081 | 0.0 | 55.998 | 7.566 | 0.0 | 52.977 | 4.89 | 0.0 | 49.838 | 8.045 | 0.0 | 49.686 | 5.567 | 0.0 | 55.214 | 6.158 | 0.0 | 53.632 | 4.862 | 0.0 | 49.33 | 5.128 |
| 53 | 1614 | 1615 | SN | 1 | 0.0 | 44.673 | 2.543 | 0.0 | 63.712 | 2.388 | 0.0 | 49.612 | 2.059 | 0.0 | 52.765 | 2.546 | 0.0 | 47.343 | 2.716 | 0.0 | 61.926 | 2.223 | 0.0 | 49.404 | 2.364 | 0.0 | 48.11 | 2.207 |
| 54 | 1614 | 1615 | SN | 1 | 0.0 | 44.673 | 2.543 | 0.0 | 63.712 | 2.388 | 0.0 | 49.612 | 2.059 | 0.0 | 52.765 | 2.546 | 0.0 | 47.343 | 2.716 | 0.0 | 61.926 | 2.223 | 0.0 | 49.404 | 2.364 | 0.0 | 48.11 | 2.207 |
| 55 | 1614 | 1615 | SN | 1 | 0.0 | 48.556 | 8.21 | 0.0 | 59.626 | 8.562 | 0.0 | 60.817 | 6.739 | 0.0 | 51.017 | 7.505 | 0.0 | 48.731 | 8.555 | 0.0 | 58.005 | 8.122 | 0.0 | 61.466 | 7.378 | 0.0 | 55.132 | 6.756 |
| 56 | 1614 | 1615 | SN | 1 | 0.0 | 48.556 | 8.21 | 0.0 | 59.626 | 8.562 | 0.0 | 60.817 | 6.739 | 0.0 | 51.017 | 7.505 | 0.0 | 48.731 | 8.555 | 0.0 | 58.005 | 8.122 | 0.0 | 61.466 | 7.378 | 0.0 | 55.132 | 6.756 |
| 57 | 1615 | 1616 | NS | 1 | 0.0 | 55.738 | 1.148 | 0.0 | 47.327 | 1.415 | 0.0 | 45.675 | 1.186 | 0.0 | 47.214 | 1.696 | 0.0 | 54.582 | 1.076 | 0.0 | 46.891 | 1.114 | 0.0 | 47.881 | 1.076 | 0.0 | 48.123 | 1.04 |
| 58 | 1615 | 1616 | NS | 1 | 0.0 | 71.102 | 4.101 | 0.0 | 51.155 | 4.84 | 0.0 | 48.511 | 3.872 | 0.0 | 46.108 | 4.849 | 0.0 | 73.151 | 3.823 | 0.0 | 52.365 | 3.972 | 0.0 | 52.237 | 3.581 | 0.0 | 43.882 | 3.299 |
| 59 | 1615 | 1616 | SN | 1 | 0.0 | 64.218 | 7.583 | 0.0 | 54.054 | 8.261 | 0.0 | 51.283 | 5.927 | 0.0 | 50.689 | 7.386 | 0.0 | 66.637 | 7.255 | 0.0 | 52.423 | 7.145 | 0.0 | 53.481 | 5.671 | 0.0 | 51.098 | 5.818 |
| 60 | 1615 | 1616 | SN | 1 | 0.0 | 57.137 | 2.404 | 0.0 | 51.356 | 2.352 | 0.0 | 45.852 | 1.721 | 0.0 | 53.354 | 2.457 | 0.0 | 57.156 | 2.372 | 0.0 | 50.27 | 1.95 | 0.0 | 44.317 | 1.702 | 0.0 | 57.481 | 1.722 |
| 61 | 1615 | 1616 | SN | 1 | 0.0 | 57.137 | 2.404 | 0.0 | 51.356 | 2.352 | 0.0 | 45.852 | 1.721 | 0.0 | 53.354 | 2.457 | 0.0 | 57.156 | 2.372 | 0.0 | 50.27 | 1.95 | 0.0 | 44.317 | 1.702 | 0.0 | 57.481 | 1.722 |
| 62 | 1615 | 1616 | NS | 1 | 0.0 | 55.738 | 1.148 | 0.0 | 47.327 | 1.415 | 0.0 | 45.675 | 1.186 | 0.0 | 47.214 | 1.696 | 0.0 | 54.582 | 1.076 | 0.0 | 46.891 | 1.114 | 0.0 | 47.881 | 1.076 | 0.0 | 48.123 | 1.04 |
| 63 | 1615 | 1616 | NS | 1 | 0.0 | 71.102 | 4.101 | 0.0 | 51.155 | 4.84 | 0.0 | 48.511 | 3.872 | 0.0 | 46.108 | 4.849 | 0.0 | 73.151 | 3.823 | 0.0 | 52.365 | 3.972 | 0.0 | 52.237 | 3.581 | 0.0 | 43.882 | 3.299 |
| 64 | 1615 | 1616 | SN | 1 | 0.0 | 64.218 | 7.583 | 0.0 | 54.054 | 8.261 | 0.0 | 51.283 | 5.927 | 0.0 | 50.689 | 7.386 | 0.0 | 66.637 | 7.255 | 0.0 | 52.423 | 7.145 | 0.0 | 53.481 | 5.671 | 0.0 | 51.098 | 5.818 |
| 65 | 1616 | 1617 | SN | 1 | 0.0 | 45.418 | 4.821 | 0.0 | 60.717 | 5.471 | 0.0 | 49.635 | 4.158 | 0.0 | 54.19 | 5.176 | 0.0 | 49.71 | 4.804 | 0.0 | 59.665 | 4.946 | 0.0 | 55.279 | 4.051 | 0.0 | 51.507 | 3.75 |
| 66 | 1616 | 1617 | NS | 1 | 0.0 | 42.73 | 2.172 | 0.0 | 52.756 | 2.224 | 0.0 | 50.726 | 2.101 | 0.0 | 54.699 | 2.535 | 0.0 | 44.294 | 2.252 | 0.0 | 53.075 | 2.07 | 0.0 | 55.996 | 2.21 | 0.0 | 51.315 | 2.053 |
| 67 | 1616 | 1617 | SN | 1 | 0.0 | 45.418 | 4.821 | 0.0 | 60.717 | 5.471 | 0.0 | 49.635 | 4.158 | 0.0 | 54.19 | 5.176 | 0.0 | 49.71 | 4.804 | 0.0 | 59.665 | 4.946 | 0.0 | 55.279 | 4.051 | 0.0 | 51.507 | 3.75 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 68 | 1616 | 1617 | SN | 1 | 0.0 | 43.466 | 1.399 | 0.0 | 51.139 | 1.579 | 0.0 | 49.079 | 1.339 | 0.0 | 49.0 | 1.96 | 0.0 | 42.105 | 1.405 | 0.0 | 50.486 | 1.403 | 0.0 | 51.833 | 1.319 | 0.0 | 48.244 | 1.332 |
| 69 | 1616 | 1617 | NS | 1 | 0.0 | 58.529 | 7.241 | 0.0 | 52.858 | 7.843 | 0.0 | 51.022 | 5.887 | 0.0 | 57.722 | 7.786 | 0.0 | 60.576 | 7.569 | 0.0 | 50.608 | 7.252 | 0.0 | 56.931 | 6.568 | 0.0 | 55.436 | 6.279 |
| 70 | 1616 | 1617 | NS | 1 | 0.0 | 42.73 | 2.172 | 0.0 | 52.756 | 2.224 | 0.0 | 50.726 | 2.101 | 0.0 | 54.699 | 2.535 | 0.0 | 44.294 | 2.252 | 0.0 | 53.075 | 2.07 | 0.0 | 55.996 | 2.21 | 0.0 | 51.315 | 2.053 |
| 71 | 1616 | 1617 | SN | 1 | 0.0 | 43.466 | 1.399 | 0.0 | 51.139 | 1.579 | 0.0 | 49.079 | 1.339 | 0.0 | 49.0 | 1.96 | 0.0 | 42.105 | 1.405 | 0.0 | 50.486 | 1.403 | 0.0 | 51.833 | 1.319 | 0.0 | 48.244 | 1.332 |
| 72 | 1616 | 1617 | NS | 1 | 0.0 | 58.529 | 7.241 | 0.0 | 52.858 | 7.843 | 0.0 | 51.022 | 5.887 | 0.0 | 57.722 | 7.786 | 0.0 | 60.576 | 7.569 | 0.0 | 50.608 | 7.252 | 0.0 | 56.931 | 6.568 | 0.0 | 55.436 | 6.279 |
| 73 | 1617 | 1618 | NS | 1 | 0.0 | 56.631 | 5.33 | 0.0 | 54.994 | 6.636 | 0.0 | 52.592 | 5.006 | 0.0 | 48.584 | 7.445 | 0.0 | 58.384 | 5.389 | 0.0 | 50.342 | 5.877 | 0.0 | 55.159 | 5.226 | 0.0 | 49.655 | 5.546 |
| 74 | 1617 | 1618 | NS | 1 | 0.0 | 42.222 | 1.83 | 0.0 | 54.643 | 2.226 | 0.0 | 53.384 | 1.724 | 0.0 | 48.407 | 2.777 | 0.0 | 46.386 | 1.801 | 0.0 | 51.983 | 1.889 | 0.0 | 60.135 | 1.781 | 0.0 | 54.967 | 1.822 |
| 75 | 1617 | 1618 | NS | 1 | 0.0 | 42.222 | 1.83 | 0.0 | 54.643 | 2.226 | 0.0 | 53.384 | 1.724 | 0.0 | 48.407 | 2.777 | 0.0 | 46.386 | 1.801 | 0.0 | 51.983 | 1.889 | 0.0 | 60.135 | 1.781 | 0.0 | 54.967 | 1.822 |
| 76 | 1617 | 1618 | NS | 1 | 0.0 | 56.631 | 5.33 | 0.0 | 54.994 | 6.636 | 0.0 | 52.592 | 5.006 | 0.0 | 48.584 | 7.445 | 0.0 | 58.384 | 5.389 | 0.0 | 50.342 | 5.877 | 0.0 | 55.159 | 5.226 | 0.0 | 49.655 | 5.546 |
| 77 | 1617 | 1618 | SN | 1 | 0.0 | 55.263 | 2.736 | 0.0 | 45.927 | 2.767 | 0.0 | 50.72 | 2.496 | 0.0 | 53.26 | 3.073 | 0.0 | 56.716 | 2.755 | 0.0 | 48.145 | 2.464 | 0.0 | 50.378 | 2.535 | 0.0 | 49.368 | 2.327 |
| 78 | 1617 | 1618 | SN | 1 | 0.0 | 54.126 | 8.463 | 0.0 | 63.186 | 8.877 | 0.0 | 47.85 | 7.47 | 0.0 | 50.774 | 8.968 | 0.0 | 54.896 | 8.607 | 0.0 | 63.877 | 8.083 | 0.0 | 49.307 | 7.797 | 0.0 | 50.818 | 7.293 |
| 79 | 1617 | 1618 | SN | 1 | 0.0 | 55.263 | 2.736 | 0.0 | 45.927 | 2.767 | 0.0 | 50.72 | 2.496 | 0.0 | 53.26 | 3.073 | 0.0 | 56.716 | 2.755 | 0.0 | 48.145 | 2.464 | 0.0 | 50.378 | 2.535 | 0.0 | 49.368 | 2.327 |
| 80 | 1617 | 1618 | SN | 1 | 0.0 | 54.126 | 8.463 | 0.0 | 63.186 | 8.877 | 0.0 | 47.85 | 7.47 | 0.0 | 50.774 | 8.968 | 0.0 | 54.896 | 8.607 | 0.0 | 63.877 | 8.083 | 0.0 | 49.307 | 7.797 | 0.0 | 50.818 | 7.293 |
| 81 | 1618 | 1619 | SN | 1 | 0.0 | 49.908 | 5.816 | 0.0 | 45.859 | 6.73 | 0.0 | 49.083 | 5.153 | 0.0 | 50.143 | 6.958 | 0.0 | 49.181 | 5.724 | 0.0 | 46.972 | 5.749 | 0.0 | 48.723 | 5.103 | 0.0 | 45.958 | 4.94 |
| 82 | 1618 | 1619 | SN | 1 | 0.0 | 47.16 | 1.556 | 0.0 | 50.817 | 1.855 | 0.0 | 43.718 | 1.532 | 0.0 | 51.905 | 2.331 | 0.0 | 50.433 | 1.615 | 0.0 | 51.666 | 1.539 | 0.0 | 45.597 | 1.558 | 0.0 | 47.255 | 1.603 |
| 83 | 1618 | 1619 | SN | 1 | 0.0 | 47.16 | 1.556 | 0.0 | 50.817 | 1.855 | 0.0 | 43.718 | 1.532 | 0.0 | 51.905 | 2.331 | 0.0 | 50.433 | 1.615 | 0.0 | 51.666 | 1.539 | 0.0 | 45.597 | 1.558 | 0.0 | 47.255 | 1.603 |
| 84 | 1618 | 1619 | SN | 1 | 0.0 | 49.908 | 5.816 | 0.0 | 45.859 | 6.73 | 0.0 | 49.083 | 5.153 | 0.0 | 50.143 | 6.958 | 0.0 | 49.181 | 5.724 | 0.0 | 46.972 | 5.749 | 0.0 | 48.723 | 5.103 | 0.0 | 45.958 | 4.94 |
| 85 | 1618 | 1619 | NS | 1 | 0.0 | 63.47 | 6.854 | 0.0 | 45.688 | 8.347 | 0.0 | 47.128 | 5.702 | 0.0 | 50.95 | 8.788 | 0.0 | 63.434 | 6.82 | 0.0 | 45.246 | 7.529 | 0.0 | 50.045 | 5.908 | 0.0 | 53.061 | 6.463 |
| 86 | 1618 | 1619 | NS | 1 | 0.0 | 59.281 | 2.105 | 0.0 | 51.534 | 2.679 | 0.0 | 57.538 | 2.064 | 0.0 | 43.576 | 3.244 | 0.0 | 55.502 | 2.115 | 0.0 | 50.757 | 2.434 | 0.0 | 54.455 | 2.103 | 0.0 | 42.552 | 2.207 |
| 87 | 1618 | 1619 | NS | 1 | 0.0 | 63.47 | 6.854 | 0.0 | 45.688 | 8.347 | 0.0 | 47.128 | 5.702 | 0.0 | 50.95 | 8.788 | 0.0 | 63.434 | 6.82 | 0.0 | 45.246 | 7.529 | 0.0 | 50.045 | 5.908 | 0.0 | 53.061 | 6.463 |
| 88 | 1618 | 1619 | NS | 1 | 0.0 | 59.281 | 2.105 | 0.0 | 51.534 | 2.679 | 0.0 | 57.538 | 2.064 | 0.0 | 43.576 | 3.244 | 0.0 | 55.502 | 2.115 | 0.0 | 50.757 | 2.434 | 0.0 | 54.455 | 2.103 | 0.0 | 42.552 | 2.207 |
| 89 | 1619 | 1620 | SN | 1 | 0.0 | 39.523 | 0.597 | 0.0 | 47.058 | 0.804 | 0.0 | 39.951 | 0.608 | 0.0 | 48.577 | 1.106 | 0.0 | 38.887 | 0.555 | 0.0 | 48.624 | 0.592 | 0.0 | 38.35 | 0.477 | 0.0 | 47.548 | 0.618 |
| 90 | 1619 | 1620 | NS | 1 | 0.0 | 54.959 | 2.636 | 0.0 | 44.735 | 3.846 | 0.0 | 48.758 | 3.11 | 0.0 | 58.409 | 5.411 | 0.0 | 55.285 | 2.375 | 0.0 | 42.738 | 2.994 | 0.0 | 49.972 | 2.989 | 0.0 | 52.873 | 3.285 |
| 91 | 1619 | 1620 | SN | 1 | 0.0 | 43.254 | 2.537 | 0.0 | 54.693 | 3.23 | 0.0 | 43.731 | 2.388 | 0.0 | 47.46 | 3.629 | 0.0 | 46.283 | 2.225 | 0.0 | 55.059 | 2.587 | 0.0 | 41.186 | 1.876 | 0.0 | 43.814 | 2.003 |
| 92 | 1619 | 1620 | NS | 1 | 0.0 | 45.804 | 0.801 | 0.0 | 42.592 | 1.333 | 0.0 | 50.992 | 1.194 | 0.0 | 56.761 | 2.296 | 0.0 | 48.085 | 0.671 | 0.0 | 45.454 | 0.97 | 0.0 | 54.975 | 1.063 | 0.0 | 52.609 | 1.294 |
| 93 | 1619 | 1620 | SN | 1 | 0.0 | 39.523 | 0.597 | 0.0 | 47.058 | 0.804 | 0.0 | 39.951 | 0.608 | 0.0 | 48.577 | 1.106 | 0.0 | 38.887 | 0.555 | 0.0 | 48.624 | 0.592 | 0.0 | 38.35 | 0.477 | 0.0 | 47.548 | 0.618 |
| 94 | 1619 | 1620 | NS | 1 | 0.0 | 45.804 | 0.801 | 0.0 | 42.592 | 1.333 | 0.0 | 50.992 | 1.194 | 0.0 | 56.761 | 2.296 | 0.0 | 48.085 | 0.671 | 0.0 | 45.454 | 0.97 | 0.0 | 54.975 | 1.063 | 0.0 | 52.609 | 1.294 |
| 95 | 1619 | 1620 | NS | 1 | 0.0 | 54.959 | 2.636 | 0.0 | 44.735 | 3.846 | 0.0 | 48.758 | 3.11 | 0.0 | 58.409 | 5.411 | 0.0 | 55.285 | 2.375 | 0.0 | 42.738 | 2.994 | 0.0 | 49.972 | 2.989 | 0.0 | 52.873 | 3.285 |
| 96 | 1619 | 1620 | SN | 1 | 0.0 | 43.254 | 2.537 | 0.0 | 54.693 | 3.23 | 0.0 | 43.731 | 2.388 | 0.0 | 47.46 | 3.629 | 0.0 | 46.283 | 2.225 | 0.0 | 55.059 | 2.587 | 0.0 | 41.186 | 1.876 | 0.0 | 43.814 | 2.003 |
| 97 | 1620 | 1621 | SN | 1 | 0.0 | 55.137 | 1.44 | 0.0 | 44.283 | 1.839 | 0.0 | 44.878 | 1.273 | 0.0 | 62.745 | 2.193 | 0.0 | 53.15 | 1.436 | 0.0 | 44.503 | 1.523 | 0.0 | 44.443 | 1.258 | 0.0 | 59.342 | 1.444 |
| 98 | 1620 | 1621 | SN | 1 | 0.0 | 55.137 | 1.44 | 0.0 | 44.283 | 1.839 | 0.0 | 44.878 | 1.273 | 0.0 | 62.745 | 2.193 | 0.0 | 53.15 | 1.436 | 0.0 | 44.503 | 1.523 | 0.0 | 44.443 | 1.258 | 0.0 | 59.342 | 1.444 |
| 99 | 1620 | 1621 | SN | 1 | 0.0 | 50.633 | 4.163 | 0.0 | 56.65 | 5.084 | 0.0 | 51.685 | 3.546 | 0.0 | 50.499 | 5.811 | 0.0 | 55.054 | 4.18 | 0.0 | 58.557 | 4.466 | 0.0 | 57.721 | 3.766 | 0.0 | 53.536 | 4.071 |
| 100 | 1620 | 1621 | NS | 1 | 0.0 | 57.616 | 1.953 | 0.0 | 55.854 | 2.097 | 0.0 | 43.149 | 1.638 | 0.0 | 48.218 | 2.807 | 0.0 | 57.748 | 1.979 | 0.0 | 60.217 | 1.872 | 0.0 | 45.0 | 1.716 | 0.0 | 51.954 | 1.965 |
| 101 | 1620 | 1621 | NS | 1 | 0.0 | 53.597 | 5.785 | 0.0 | 63.034 | 6.179 | 0.0 | 47.106 | 4.609 | 0.0 | 45.208 | 7.138 | 0.0 | 53.159 | 5.886 | 0.0 | 64.909 | 5.91 | 0.0 | 52.902 | 4.879 | 0.0 | 45.78 | 5.148 |
| 102 | 1620 | 1621 | NS | 1 | 0.0 | 53.597 | 5.785 | 0.0 | 63.034 | 6.179 | 0.0 | 47.106 | 4.609 | 0.0 | 45.208 | 7.138 | 0.0 | 53.159 | 5.886 | 0.0 | 64.909 | 5.91 | 0.0 | 52.902 | 4.879 | 0.0 | 45.78 | 5.148 |
| 103 | 1620 | 1621 | NS | 1 | 0.0 | 57.616 | 1.953 | 0.0 | 55.854 | 2.097 | 0.0 | 43.149 | 1.638 | 0.0 | 48.218 | 2.807 | 0.0 | 57.748 | 1.979 | 0.0 | 60.217 | 1.872 | 0.0 | 45.0 | 1.716 | 0.0 | 51.954 | 1.965 |

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

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|-----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|--------|-------|-----|--------|--------|-----|--------|--------|-----|--------|--------|-----|--------|-------|-----|--------|-------|
| 104 | 1620 | 1621 | SN | 1 | 0.0 | 50.633 | 4.163 | 0.0 | 56.65 | 5.084 | 0.0 | 51.685 | 3.546 | 0.0 | 50.499 | 5.811 | 0.0 | 55.054 | 4.18 | 0.0 | 58.557 | 4.466 | 0.0 | 57.721 | 3.766 | 0.0 | 53.536 | 4.071 |
| 105 | 1621 | 1622 | NS | 1 | 0.0 | 60.387 | 10.323 | 0.0 | 52.055 | 11.176 | 0.0 | 60.01 | 8.895 | 0.0 | 50.028 | 10.334 | 0.0 | 60.853 | 10.559 | 0.0 | 52.2 | 10.737 | 0.0 | 65.146 | 9.726 | 0.0 | 49.087 | 8.904 |
| 106 | 1621 | 1622 | SN | 1 | 0.0 | 49.6 | 5.663 | 0.0 | 56.017 | 7.571 | 0.0 | 45.777 | 4.349 | 0.0 | 52.626 | 7.43 | 0.0 | 52.766 | 5.241 | 0.0 | 57.013 | 6.133 | 0.0 | 47.493 | 4.086 | 0.0 | 56.471 | 4.649 |
| 107 | 1621 | 1622 | NS | 1 | 0.0 | 53.393 | 3.443 | 0.0 | 59.788 | 3.577 | 0.0 | 59.266 | 2.826 | 0.0 | 55.11 | 3.445 | 0.0 | 54.975 | 3.515 | 0.0 | 59.028 | 3.333 | 0.0 | 63.843 | 3.042 | 0.0 | 55.921 | 2.832 |
| 108 | 1621 | 1622 | SN | 1 | 0.0 | 49.0 | 1.661 | 0.0 | 51.142 | 2.363 | 0.0 | 47.077 | 1.51 | 0.0 | 47.16 | 2.825 | 0.0 | 49.82 | 1.56 | 0.0 | 54.663 | 1.822 | 0.0 | 42.073 | 1.354 | 0.0 | 43.943 | 1.568 |
| 109 | 1621 | 1622 | SN | 1 | 0.0 | 49.6 | 5.663 | 0.0 | 56.017 | 7.571 | 0.0 | 45.777 | 4.349 | 0.0 | 52.626 | 7.43 | 0.0 | 52.766 | 5.241 | 0.0 | 57.013 | 6.133 | 0.0 | 47.493 | 4.086 | 0.0 | 56.471 | 4.649 |
| 110 | 1621 | 1622 | NS | 1 | 0.0 | 53.393 | 3.443 | 0.0 | 59.788 | 3.577 | 0.0 | 59.266 | 2.826 | 0.0 | 55.11 | 3.445 | 0.0 | 54.975 | 3.515 | 0.0 | 59.028 | 3.333 | 0.0 | 63.843 | 3.042 | 0.0 | 55.921 | 2.832 |
| 111 | 1621 | 1622 | NS | 1 | 0.0 | 60.387 | 10.323 | 0.0 | 52.055 | 11.176 | 0.0 | 60.01 | 8.895 | 0.0 | 50.028 | 10.334 | 0.0 | 60.853 | 10.559 | 0.0 | 52.2 | 10.737 | 0.0 | 65.146 | 9.726 | 0.0 | 49.087 | 8.904 |
| 112 | 1621 | 1622 | SN | 1 | 0.0 | 49.0 | 1.661 | 0.0 | 51.142 | 2.363 | 0.0 | 47.077 | 1.51 | 0.0 | 47.16 | 2.825 | 0.0 | 49.82 | 1.56 | 0.0 | 54.663 | 1.822 | 0.0 | 42.073 | 1.354 | 0.0 | 43.943 | 1.568 |
| 113 | 1622 | 1623 | SN | 1 | 0.0 | 48.263 | 3.521 | 0.0 | 47.402 | 4.229 | 0.0 | 45.516 | 2.75 | 0.0 | 42.691 | 4.359 | 0.0 | 48.242 | 3.395 | 0.0 | 45.108 | 3.53 | 0.0 | 44.404 | 2.636 | 0.0 | 39.387 | 3.007 |
| 114 | 1622 | 1623 | SN | 1 | 0.0 | 47.431 | 0.986 | 0.0 | 42.809 | 1.154 | 0.0 | 41.494 | 0.911 | 0.0 | 49.394 | 1.566 | 0.0 | 48.563 | 0.953 | 0.0 | 43.832 | 0.931 | 0.0 | 44.734 | 0.849 | 0.0 | 51.473 | 0.946 |
| 115 | 1622 | 1623 | NS | 1 | 0.0 | 51.152 | 2.459 | 0.0 | 74.374 | 2.593 | 0.0 | 50.418 | 1.869 | 0.0 | 53.959 | 2.516 | 0.0 | 47.153 | 2.407 | 0.0 | 73.579 | 2.256 | 0.0 | 53.185 | 1.974 | 0.0 | 53.76 | 1.816 |
| 116 | 1622 | 1623 | NS | 1 | 0.0 | 55.66 | 7.916 | 0.0 | 76.006 | 8.544 | 0.0 | 53.59 | 6.318 | 0.0 | 49.584 | 7.545 | 0.0 | 56.146 | 8.093 | 0.0 | 75.844 | 7.701 | 0.0 | 55.172 | 6.773 | 0.0 | 50.749 | 6.109 |
| 117 | 1622 | 1623 | SN | 1 | 0.0 | 47.431 | 0.986 | 0.0 | 42.809 | 1.154 | 0.0 | 41.494 | 0.911 | 0.0 | 49.394 | 1.566 | 0.0 | 48.563 | 0.953 | 0.0 | 43.832 | 0.931 | 0.0 | 44.734 | 0.849 | 0.0 | 51.473 | 0.946 |
| 118 | 1622 | 1623 | SN | 1 | 0.0 | 48.263 | 3.521 | 0.0 | 47.402 | 4.229 | 0.0 | 45.516 | 2.75 | 0.0 | 42.691 | 4.359 | 0.0 | 48.242 | 3.395 | 0.0 | 45.108 | 3.53 | 0.0 | 44.404 | 2.636 | 0.0 | 39.387 | 3.007 |
| 119 | 1623 | 1624 | SN | 1 | 0.0 | 48.325 | 2.401 | 0.0 | 47.631 | 2.668 | 0.0 | 60.393 | 2.147 | 0.0 | 54.219 | 2.635 | 0.0 | 48.184 | 2.507 | 0.0 | 44.312 | 2.523 | 0.0 | 54.509 | 2.31 | 0.0 | 59.562 | 2.372 |
| 120 | 1623 | 1624 | SN | 1 | 0.0 | 58.297 | 7.635 | 0.0 | 51.588 | 8.482 | 0.0 | 55.871 | 6.922 | 0.0 | 55.55 | 8.121 | 0.0 | 58.374 | 7.72 | 0.0 | 52.41 | 8.211 | 0.0 | 56.293 | 7.398 | 0.0 | 55.997 | 7.443 |
| 121 | 1623 | 1624 | NS | 1 | 0.0 | 54.666 | 5.322 | 0.0 | 58.237 | 6.365 | 0.0 | 46.48 | 4.239 | 0.0 | 62.49 | 6.25 | 0.0 | 55.09 | 5.179 | 0.0 | 58.144 | 5.572 | 0.0 | 45.563 | 4.069 | 0.0 | 60.078 | 4.238 |
| 122 | 1623 | 1624 | SN | 1 | 0.0 | 48.325 | 2.401 | 0.0 | 47.631 | 2.668 | 0.0 | 60.393 | 2.147 | 0.0 | 54.219 | 2.635 | 0.0 | 48.184 | 2.507 | 0.0 | 44.312 | 2.523 | 0.0 | 54.509 | 2.31 | 0.0 | 59.562 | 2.372 |
| 123 | 1623 | 1624 | NS | 1 | 0.0 | 48.664 | 1.544 | 0.0 | 53.259 | 1.847 | 0.0 | 51.204 | 1.283 | 0.0 | 51.182 | 2.031 | 0.0 | 47.063 | 1.456 | 0.0 | 52.574 | 1.468 | 0.0 | 55.551 | 1.241 | 0.0 | 49.783 | 1.227 |
| 124 | 1623 | 1624 | NS | 1 | 0.0 | 48.664 | 1.544 | 0.0 | 53.259 | 1.847 | 0.0 | 51.204 | 1.283 | 0.0 | 51.182 | 2.031 | 0.0 | 47.063 | 1.456 | 0.0 | 52.574 | 1.468 | 0.0 | 55.551 | 1.241 | 0.0 | 49.783 | 1.227 |
| 125 | 1623 | 1624 | SN | 1 | 0.0 | 58.297 | 7.635 | 0.0 | 51.588 | 8.482 | 0.0 | 55.871 | 6.922 | 0.0 | 55.55 | 8.121 | 0.0 | 58.374 | 7.72 | 0.0 | 52.41 | 8.211 | 0.0 | 56.293 | 7.398 | 0.0 | 55.997 | 7.443 |
| 126 | 1623 | 1624 | NS | 1 | 0.0 | 54.666 | 5.322 | 0.0 | 58.237 | 6.365 | 0.0 | 46.48 | 4.239 | 0.0 | 62.49 | 6.25 | 0.0 | 55.09 | 5.179 | 0.0 | 58.144 | 5.572 | 0.0 | 45.563 | 4.069 | 0.0 | 60.078 | 4.238 |
| 127 | 1624 | 1625 | SN | 1 | 0.0 | 61.67 | 2.05 | 0.0 | 49.58 | 2.721 | 0.0 | 40.59 | 1.933 | 0.0 | 48.532 | 2.984 | 0.0 | 59.889 | 2.084 | 0.0 | 52.543 | 2.324 | 0.0 | 41.452 | 2.0 | 0.0 | 51.011 | 2.192 |
| 128 | 1624 | 1625 | SN | 1 | 0.0 | 50.592 | 6.778 | 0.0 | 56.954 | 8.54 | 0.0 | 42.843 | 5.628 | 0.0 | 62.882 | 7.988 | 0.0 | 50.946 | 6.949 | 0.0 | 59.507 | 7.983 | 0.0 | 47.506 | 5.996 | 0.0 | 62.539 | 6.356 |
| 129 | 1624 | 1625 | NS | 1 | 0.0 | 45.654 | 1.314 | 0.0 | 55.393 | 1.752 | 0.0 | 47.287 | 1.405 | 0.0 | 46.17 | 2.363 | 0.0 | 45.896 | 1.316 | 0.0 | 58.932 | 1.483 | 0.0 | 49.388 | 1.485 | 0.0 | 45.584 | 1.456 |
| 130 | 1624 | 1625 | NS | 1 | 0.0 | 53.617 | 4.176 | 0.0 | 54.012 | 5.076 | 0.0 | 48.494 | 3.948 | 0.0 | 53.763 | 5.874 | 0.0 | 55.114 | 4.118 | 0.0 | 55.505 | 4.267 | 0.0 | 49.867 | 4.168 | 0.0 | 55.643 | 4.068 |
| 131 | 1624 | 1625 | NS | 1 | 0.0 | 50.271 | 4.219 | 0.0 | 48.322 | 5.043 | 0.0 | 60.71 | 4.005 | 0.0 | 50.361 | 5.888 | 0.0 | 52.101 | 4.101 | 0.0 | 47.136 | 4.25 | 0.0 | 64.777 | 4.154 | 0.0 | 50.978 | 4.011 |
| 132 | 1624 | 1625 | SN | 1 | 0.0 | 61.67 | 2.05 | 0.0 | 49.58 | 2.721 | 0.0 | 40.59 | 1.933 | 0.0 | 48.532 | 2.984 | 0.0 | 59.889 | 2.084 | 0.0 | 52.543 | 2.324 | 0.0 | 41.452 | 2.0 | 0.0 | 51.011 | 2.192 |
| 133 | 1624 | 1625 | NS | 1 | 0.0 | 47.948 | 1.324 | 0.0 | 44.619 | 1.765 | 0.0 | 51.342 | 1.394 | 0.0 | 45.282 | 2.354 | 0.0 | 49.98 | 1.339 | 0.0 | 43.735 | 1.479 | 0.0 | 51.711 | 1.467 | 0.0 | 44.964 | 1.449 |
| 134 | 1624 | 1625 | SN | 1 | 0.0 | 50.592 | 6.778 | 0.0 | 56.954 | 8.54 | 0.0 | 42.843 | 5.628 | 0.0 | 62.882 | 7.988 | 0.0 | 50.946 | 6.949 | 0.0 | 59.507 | 7.983 | 0.0 | 47.506 | 5.996 | 0.0 | 62.539 | 6.356 |
| 135 | 1625 | 1626 | NS | 1 | 0.0 | 57.784 | 4.818 | 0.0 | 49.204 | 6.511 | 0.0 | 46.869 | 4.354 | 0.0 | 58.133 | 6.478 | 0.0 | 57.35 | 4.784 | 0.0 | 51.145 | 5.743 | 0.0 | 47.419 | 4.248 | 0.0 | 58.447 | 4.829 |
| 136 | 1625 | 1626 | SN | 1 | 0.0 | 47.838 | 5.089 | 0.0 | 46.47 | 6.191 | 0.0 | 40.762 | 4.832 | 0.0 | 48.856 | 7.088 | 0.0 | 46.555 | 4.979 | 0.0 | 47.082 | 5.32 | 0.0 | 43.769 | 4.875 | 0.0 | 46.33 | 5.092 |
| 137 | 1625 | 1626 | SN | 1 | 0.0 | 46.837 | 1.689 | 0.0 | 46.029 | 2.221 | 0.0 | 41.91 | 1.783 | 0.0 | 47.496 | 2.87 | 0.0 | 49.873 | 1.623 | 0.0 | 47.322 | 1.856 | 0.0 | 41.757 | 1.704 | 0.0 | 45.545 | 1.803 |
| 138 | 1625 | 1626 | NS | 1 | 0.0 | 45.24 | 1.485 | 0.0 | 46.217 | 2.165 | 0.0 | 53.37 | 1.565 | 0.0 | 54.444 | 2.52 | 0.0 | 45.715 | 1.432 | 0.0 | 46.427 | 1.878 | 0.0 | 55.852 | 1.45 | 0.0 | 57.729 | 1.699 |
| 139 | 1626 | 1627 | SN | 1 | 0.0 | 55.042 | 5.021 | 0.0 | 45.654 | 5.641 | 0.0 | 57.677 | 4.562 | 0.0 | 47.515 | 7.081 | 0.0 | 54.497 | 4.769 | 0.0 | 44.794 | 4.719 | 0.0 | 59.515 | 4.391 | 0.0 | 48.333 | 4.863 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|--------|-------|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 140 | 1626 | 1627 | NS | 1 | 0.0 | 56.549 | 3.899 | 0.0 | 54.47 | 4.404 | 0.0 | 48.582 | 3.45 | 0.0 | 57.377 | 4.638 | 0.0 | 56.14 | 3.714 | 0.0 | 58.609 | 3.779 | 0.0 | 48.441 | 3.138 | 0.0 | 54.59 | 3.179 |
| 141 | 1626 | 1627 | SN | 1 | 0.0 | 54.241 | 1.466 | 0.0 | 56.006 | 1.936 | 0.0 | 49.858 | 1.517 | 0.0 | 45.816 | 2.792 | 0.0 | 57.96 | 1.415 | 0.0 | 58.023 | 1.574 | 0.0 | 50.457 | 1.434 | 0.0 | 49.44 | 1.641 |
| 142 | 1626 | 1627 | NS | 1 | 0.0 | 45.667 | 1.061 | 0.0 | 48.43 | 1.148 | 0.0 | 57.824 | 0.943 | 0.0 | 44.532 | 1.371 | 0.0 | 44.976 | 1.038 | 0.0 | 46.162 | 0.912 | 0.0 | 55.433 | 0.854 | 0.0 | 47.581 | 0.799 |
| 143 | 1627 | 1628 | NS | 1 | 0.0 | 45.462 | 1.435 | 0.0 | 50.078 | 1.777 | 0.0 | 48.514 | 1.331 | 0.0 | 52.55 | 2.37 | 0.0 | 44.448 | 1.352 | 0.0 | 50.527 | 1.297 | 0.0 | 47.362 | 1.219 | 0.0 | 49.864 | 1.266 |
| 144 | 1627 | 1628 | SN | 1 | 0.0 | 56.753 | 8.146 | 0.0 | 51.936 | 8.52 | 0.0 | 48.093 | 6.271 | 0.0 | 51.046 | 8.383 | 0.0 | 59.927 | 8.407 | 0.0 | 53.887 | 8.026 | 0.0 | 48.681 | 6.911 | 0.0 | 52.278 | 7.081 |
| 145 | 1627 | 1628 | NS | 1 | 0.0 | 53.433 | 4.902 | 0.0 | 53.463 | 6.115 | 0.0 | 51.772 | 4.368 | 0.0 | 52.685 | 6.954 | 0.0 | 52.446 | 4.666 | 0.0 | 55.035 | 5.111 | 0.0 | 49.917 | 3.856 | 0.0 | 50.554 | 3.982 |
| 146 | 1627 | 1628 | SN | 1 | 0.0 | 57.265 | 2.405 | 0.0 | 46.873 | 2.784 | 0.0 | 55.146 | 2.203 | 0.0 | 53.107 | 3.074 | 0.0 | 56.873 | 2.483 | 0.0 | 47.089 | 2.488 | 0.0 | 58.339 | 2.321 | 0.0 | 56.983 | 2.601 |
| 147 | 1628 | 1629 | NS | 1 | 0.0 | 52.484 | 7.26 | 0.0 | 52.76 | 8.409 | 0.0 | 67.873 | 5.887 | 0.0 | 49.376 | 8.185 | 0.0 | 51.6 | 6.746 | 0.0 | 53.169 | 7.101 | 0.0 | 67.302 | 5.689 | 0.0 | 47.736 | 5.39 |
| 148 | 1628 | 1629 | SN | 1 | 0.0 | 49.187 | 3.007 | 0.0 | 52.46 | 3.105 | 0.0 | 56.346 | 2.609 | 0.0 | 57.25 | 3.325 | 0.0 | 52.635 | 3.175 | 0.0 | 53.281 | 2.93 | 0.0 | 55.418 | 2.928 | 0.0 | 59.24 | 2.797 |
| 149 | 1628 | 1629 | SN | 1 | 0.0 | 50.704 | 9.733 | 0.0 | 51.475 | 10.269 | 0.0 | 55.562 | 8.078 | 0.0 | 57.547 | 9.655 | 0.0 | 52.719 | 10.205 | 0.0 | 49.66 | 9.804 | 0.0 | 61.664 | 9.052 | 0.0 | 61.105 | 8.485 |
| 150 | 1628 | 1629 | NS | 1 | 0.0 | 51.074 | 2.093 | 0.0 | 50.997 | 2.425 | 0.0 | 63.467 | 1.878 | 0.0 | 55.021 | 2.901 | 0.0 | 56.693 | 1.977 | 0.0 | 51.182 | 1.902 | 0.0 | 68.678 | 1.754 | 0.0 | 51.407 | 1.774 |
| 151 | 1629 | 1630 | SN | 1 | 0.0 | 57.589 | 10.667 | 0.0 | 67.455 | 10.537 | 0.0 | 53.266 | 7.58 | 0.0 | 50.989 | 8.614 | 0.0 | 60.382 | 10.777 | 0.0 | 67.513 | 9.531 | 0.0 | 56.319 | 7.822 | 0.0 | 48.812 | 7.195 |
| 152 | 1629 | 1630 | SN | 1 | 0.0 | 63.662 | 3.293 | 0.0 | 45.641 | 2.922 | 0.0 | 45.018 | 2.242 | 0.0 | 51.21 | 2.499 | 0.0 | 64.838 | 3.316 | 0.0 | 46.71 | 2.625 | 0.0 | 48.576 | 2.38 | 0.0 | 48.741 | 1.959 |
| 153 | 1629 | 1630 | NS | 1 | 0.0 | 50.324 | 1.33 | 0.0 | 51.885 | 1.874 | 0.0 | 54.224 | 1.479 | 0.0 | 62.511 | 2.461 | 0.0 | 51.776 | 1.26 | 0.0 | 51.001 | 1.509 | 0.0 | 54.195 | 1.449 | 0.0 | 63.019 | 1.529 |
| 154 | 1629 | 1630 | NS | 1 | 0.0 | 44.741 | 4.507 | 0.0 | 49.883 | 5.575 | 0.0 | 57.714 | 4.505 | 0.0 | 70.859 | 6.551 | 0.0 | 47.249 | 4.456 | 0.0 | 47.085 | 4.715 | 0.0 | 57.026 | 4.42 | 0.0 | 70.223 | 4.495 |
| 155 | 1630 | 1631 | SN | 1 | 0.0 | 51.032 | 2.232 | 0.0 | 50.729 | 2.089 | 0.0 | 52.723 | 1.679 | 0.0 | 48.305 | 2.246 | 0.0 | 51.294 | 2.301 | 0.0 | 50.731 | 1.846 | 0.0 | 50.637 | 1.58 | 0.0 | 47.087 | 1.595 |
| 156 | 1630 | 1631 | NS | 1 | 0.0 | 52.982 | 4.515 | 0.0 | 54.963 | 5.516 | 0.0 | 65.167 | 4.043 | 0.0 | 55.69 | 5.811 | 0.0 | 54.161 | 4.465 | 0.0 | 54.842 | 4.698 | 0.0 | 61.416 | 3.929 | 0.0 | 57.476 | 4.225 |
| 157 | 1630 | 1631 | NS | 1 | 0.0 | 48.531 | 1.22 | 0.0 | 50.813 | 1.509 | 0.0 | 58.733 | 1.314 | 0.0 | 43.339 | 2.078 | 0.0 | 48.203 | 1.254 | 0.0 | 52.053 | 1.216 | 0.0 | 56.569 | 1.305 | 0.0 | 44.283 | 1.417 |
| 158 | 1630 | 1631 | SN | 1 | 0.0 | 58.279 | 7.157 | 0.0 | 55.147 | 6.911 | 0.0 | 51.26 | 5.559 | 0.0 | 51.073 | 6.534 | 0.0 | 57.941 | 7.19 | 0.0 | 59.018 | 6.209 | 0.0 | 50.705 | 5.339 | 0.0 | 45.969 | 4.887 |
| 159 | 1631 | 1632 | NS | 1 | 0.0 | 47.573 | 2.536 | 0.0 | 63.897 | 2.997 | 0.0 | 53.243 | 2.315 | 0.0 | 61.137 | 3.53 | 0.0 | 47.959 | 2.496 | 0.0 | 62.482 | 2.571 | 0.0 | 54.298 | 2.497 | 0.0 | 61.029 | 2.533 |
| 160 | 1631 | 1632 | SN | 1 | 0.0 | 45.16 | 1.954 | 0.0 | 60.191 | 2.097 | 0.0 | 44.725 | 1.706 | 0.0 | 48.464 | 2.356 | 0.0 | 48.543 | 1.942 | 0.0 | 58.267 | 1.802 | 0.0 | 45.967 | 1.903 | 0.0 | 52.043 | 1.777 |
| 161 | 1631 | 1632 | NS | 1 | 0.0 | 55.216 | 8.26 | 0.0 | 57.418 | 9.517 | 0.0 | 47.835 | 7.201 | 0.0 | 50.409 | 9.676 | 0.0 | 57.703 | 7.974 | 0.0 | 59.572 | 8.285 | 0.0 | 47.252 | 7.684 | 0.0 | 54.038 | 7.299 |
| 162 | 1631 | 1632 | SN | 1 | 0.0 | 56.319 | 6.195 | 0.0 | 51.303 | 6.606 | 0.0 | 49.493 | 5.246 | 0.0 | 55.301 | 6.748 | 0.0 | 58.329 | 6.102 | 0.0 | 51.109 | 6.048 | 0.0 | 51.456 | 5.396 | 0.0 | 56.439 | 5.385 |
| 163 | 1632 | 1633 | SN | 1 | 0.0 | 48.794 | 2.518 | 0.0 | 54.796 | 2.636 | 0.0 | 46.139 | 2.22 | 0.0 | 55.461 | 2.988 | 0.0 | 48.765 | 2.409 | 0.0 | 51.491 | 2.413 | 0.0 | 48.687 | 2.279 | 0.0 | 57.022 | 2.306 |
| 164 | 1632 | 1633 | NS | 1 | 0.0 | 52.227 | 5.574 | 0.0 | 56.052 | 7.221 | 0.0 | 52.87 | 5.163 | 0.0 | 51.0 | 7.733 | 0.0 | 53.282 | 5.186 | 0.0 | 56.42 | 6.319 | 0.0 | 56.036 | 4.964 | 0.0 | 48.941 | 5.201 |
| 165 | 1632 | 1633 | SN | 1 | 0.0 | 55.211 | 8.295 | 0.0 | 60.07 | 9.042 | 0.0 | 49.916 | 6.639 | 0.0 | 66.979 | 8.709 | 0.0 | 56.45 | 8.127 | 0.0 | 59.227 | 8.162 | 0.0 | 47.988 | 6.895 | 0.0 | 66.584 | 6.876 |
| 166 | 1632 | 1633 | NS | 1 | 0.0 | 54.888 | 1.834 | 0.0 | 50.247 | 2.451 | 0.0 | 42.015 | 1.873 | 0.0 | 58.059 | 2.974 | 0.0 | 56.141 | 1.692 | 0.0 | 49.412 | 1.912 | 0.0 | 47.445 | 1.686 | 0.0 | 59.436 | 1.803 |
| 167 | 1633 | 1634 | NS | 1 | 0.0 | 48.222 | 1.462 | 0.0 | 46.348 | 2.14 | 0.0 | 58.506 | 1.691 | 0.0 | 54.337 | 2.826 | 0.0 | 50.651 | 1.312 | 0.0 | 48.461 | 1.691 | 0.0 | 59.599 | 1.526 | 0.0 | 51.634 | 1.713 |
| 168 | 1633 | 1634 | NS | 1 | 0.0 | 51.845 | 4.547 | 0.0 | 58.965 | 6.109 | 0.0 | 49.284 | 4.325 | 0.0 | 54.402 | 6.708 | 0.0 | 48.775 | 4.1 | 0.0 | 58.353 | 5.037 | 0.0 | 50.608 | 4.453 | 0.0 | 53.362 | 4.396 |
| 169 | 1633 | 1634 | SN | 1 | 0.0 | 54.493 | 3.962 | 0.0 | 57.183 | 4.585 | 0.0 | 44.086 | 3.668 | 0.0 | 56.405 | 4.515 | 0.0 | 54.434 | 3.616 | 0.0 | 55.454 | 3.629 | 0.0 | 46.111 | 3.376 | 0.0 | 51.734 | 2.917 |
| 170 | 1633 | 1634 | SN | 1 | 0.0 | 48.605 | 1.111 | 0.0 | 47.248 | 1.174 | 0.0 | 58.03 | 1.06 | 0.0 | 51.275 | 1.325 | 0.0 | 49.163 | 1.018 | 0.0 | 44.77 | 0.927 | 0.0 | 59.775 | 0.908 | 0.0 | 45.639 | 0.824 |
| 171 | 1634 | 1635 | SN | 1 | 0.0 | 50.341 | 4.695 | 0.0 | 52.053 | 5.902 | 0.0 | 46.914 | 4.258 | 0.0 | 47.938 | 6.359 | 0.0 | 49.15 | 4.249 | 0.0 | 49.622 | 4.828 | 0.0 | 48.542 | 4.165 | 0.0 | 47.186 | 4.199 |
| 172 | 1634 | 1635 | NS | 1 | 0.0 | 52.584 | 5.314 | 0.0 | 51.504 | 6.268 | 0.0 | 50.038 | 4.901 | 0.0 | 46.866 | 7.22 | 0.0 | 52.198 | 5.238 | 0.0 | 50.452 | 5.618 | 0.0 | 51.059 | 5.15 | 0.0 | 46.772 | 4.965 |
| 173 | 1634 | 1635 | NS | 1 | 0.0 | 49.9 | 1.581 | 0.0 | 50.001 | 1.998 | 0.0 | 51.606 | 1.629 | 0.0 | 50.431 | 2.668 | 0.0 | 49.889 | 1.633 | 0.0 | 49.551 | 1.681 | 0.0 | 52.08 | 1.641 | 0.0 | 47.461 | 1.728 |
| 174 | 1634 | 1635 | SN | 1 | 0.0 | 49.239 | 1.458 | 0.0 | 47.516 | 1.819 | 0.0 | 53.166 | 1.544 | 0.0 | 45.343 | 2.253 | 0.0 | 51.761 | 1.333 | 0.0 | 43.819 | 1.447 | 0.0 | 55.162 | 1.339 | 0.0 | 45.584 | 1.372 |
| 175 | 1635 | 1636 | NS | 1 | 0.0 | 50.873 | 3.136 | 0.0 | 51.435 | 3.378 | 0.0 | 61.835 | 2.819 | 0.0 | 50.344 | 3.643 | 0.0 | 55.279 | 3.247 | 0.0 | 47.744 | 3.165 | 0.0 | 61.931 | 3.206 | 0.0 | 53.999 | 2.924 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|-------|
| 176 | 1635 | 1636 | NS | 1 | 0.0 | 51.954 | 9.6 | 0.0 | 64.389 | 10.767 | 0.0 | 47.46 | 7.868 | 0.0 | 49.198 | 9.982 | 0.0 | 52.48 | 9.979 | 0.0 | 63.667 | 10.346 | 0.0 | 49.849 | 9.011 | 0.0 | 53.24 | 8.681 |
| 177 | 1635 | 1636 | SN | 1 | 0.0 | 49.006 | 4.864 | 0.0 | 52.465 | 6.604 | 0.0 | 46.8 | 4.933 | 0.0 | 50.983 | 7.329 | 0.0 | 49.37 | 4.678 | 0.0 | 52.773 | 5.742 | 0.0 | 48.917 | 5.061 | 0.0 | 49.749 | 5.055 |
| 178 | 1635 | 1636 | SN | 1 | 0.0 | 54.148 | 1.552 | 0.0 | 53.831 | 2.359 | 0.0 | 46.554 | 1.715 | 0.0 | 51.719 | 2.967 | 0.0 | 52.854 | 1.428 | 0.0 | 56.541 | 1.847 | 0.0 | 46.372 | 1.653 | 0.0 | 48.603 | 1.877 |
| 179 | 1636 | 1637 | NS | 1 | 0.0 | 44.575 | 2.522 | 0.0 | 50.711 | 2.838 | 0.0 | 60.737 | 2.336 | 0.0 | 48.209 | 2.917 | 0.0 | 45.199 | 2.528 | 0.0 | 48.263 | 2.55 | 0.0 | 59.164 | 2.456 | 0.0 | 46.988 | 2.377 |
| 180 | 1636 | 1637 | NS | 1 | 0.0 | 55.811 | 7.756 | 0.0 | 52.046 | 8.987 | 0.0 | 54.518 | 6.782 | 0.0 | 54.979 | 8.283 | 0.0 | 57.355 | 7.705 | 0.0 | 53.057 | 8.287 | 0.0 | 51.041 | 7.236 | 0.0 | 52.37 | 7.124 |

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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 | 1607 | 1608 | SN | 1 | 0.0 | 34.811 | 13.404 | 0.0 | 36.44 | 13.726 | 0.0 | 22.209 | 4.105 | 0.0 | 19.882 | 4.099 | 0.0 | 1.908 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.188 | 0.0 | 0.0 | 2.191 | 0.0 |
| 2 | 1607 | 1608 | SN | 1 | 0.0 | 39.383 | 25.451 | 0.0 | 38.487 | 24.721 | 0.0 | 25.954 | 13.727 | 0.0 | 25.534 | 13.055 | 0.0 | 1.917 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.187 | 0.0 | 0.0 | 2.204 | 0.0 |
| 3 | 1607 | 1608 | SN | 1 | 0.0 | 39.383 | 25.451 | 0.0 | 38.487 | 24.721 | 0.0 | 25.954 | 13.727 | 0.0 | 25.534 | 13.055 | 0.0 | 1.917 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.187 | 0.0 | 0.0 | 2.204 | 0.0 |
| 4 | 1607 | 1608 | SN | 1 | 0.0 | 34.811 | 13.404 | 0.0 | 36.44 | 13.726 | 0.0 | 22.209 | 4.105 | 0.0 | 19.882 | 4.099 | 0.0 | 1.908 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.188 | 0.0 | 0.0 | 2.191 | 0.0 |
| 5 | 1608 | 1609 | NS | 1 | 0.0 | 34.472 | 13.269 | 0.0 | 34.596 | 13.236 | 0.0 | 22.066 | 4.646 | 0.0 | 19.915 | 4.631 | 0.0 | 1.897 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.202 | 0.0 | 0.0 | 2.195 | 0.0 |
| 6 | 1608 | 1609 | SN | 1 | 0.0 | 34.794 | 13.437 | 0.0 | 36.446 | 13.747 | 0.0 | 22.121 | 4.096 | 0.0 | 19.882 | 4.111 | 0.0 | 1.901 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.188 | 0.0 | 0.0 | 2.191 | 0.0 |
| 7 | 1608 | 1609 | SN | 1 | 0.0 | 34.794 | 13.437 | 0.0 | 36.446 | 13.747 | 0.0 | 22.121 | 4.096 | 0.0 | 19.882 | 4.111 | 0.0 | 1.901 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.188 | 0.0 | 0.0 | 2.191 | 0.0 |
| 8 | 1608 | 1609 | NS | 1 | 0.0 | 38.798 | 24.855 | 0.0 | 39.554 | 25.308 | 0.0 | 26.02 | 14.091 | 0.0 | 25.562 | 14.231 | 0.0 | 1.907 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.211 | 0.0 | 0.0 | 2.201 | 0.0 |
| 9 | 1608 | 1609 | SN | 1 | 0.0 | 40.138 | 25.44 | 0.0 | 39.297 | 24.846 | 0.0 | 25.976 | 13.736 | 0.0 | 25.529 | 13.041 | 0.0 | 1.919 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.187 | 0.0 | 0.0 | 2.205 | 0.0 |
| 10 | 1608 | 1609 | NS | 1 | 0.0 | 34.472 | 13.269 | 0.0 | 34.596 | 13.236 | 0.0 | 22.066 | 4.646 | 0.0 | 19.915 | 4.631 | 0.0 | 1.897 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.202 | 0.0 | 0.0 | 2.195 | 0.0 |
| 11 | 1608 | 1609 | SN | 1 | 0.0 | 40.138 | 25.44 | 0.0 | 39.297 | 24.846 | 0.0 | 25.976 | 13.736 | 0.0 | 25.529 | 13.041 | 0.0 | 1.919 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.187 | 0.0 | 0.0 | 2.205 | 0.0 |
| 12 | 1608 | 1609 | NS | 1 | 0.0 | 38.798 | 24.855 | 0.0 | 39.554 | 25.308 | 0.0 | 26.02 | 14.091 | 0.0 | 25.562 | 14.231 | 0.0 | 1.907 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.211 | 0.0 | 0.0 | 2.201 | 0.0 |
| 13 | 1609 | 1610 | SN | 1 | 0.0 | 40.519 | 25.427 | 0.0 | 38.566 | 24.694 | 0.0 | 25.694 | 13.693 | 0.0 | 25.893 | 13.025 | 0.0 | 1.921 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.192 | 0.0 | 0.0 | 2.203 | 0.0 |
| 14 | 1609 | 1610 | SN | 1 | 0.0 | 34.8 | 13.414 | 0.0 | 37.075 | 13.733 | 0.0 | 22.286 | 4.103 | 0.0 | 19.931 | 4.098 | 0.0 | 1.903 | 0.0 | 0.0 | 1.903 | 0.0 | 0.0 | 2.193 | 0.0 | 0.0 | 2.189 | 0.0 |
| 15 | 1609 | 1610 | NS | 1 | 0.0 | 34.615 | 13.295 | 0.0 | 34.165 | 13.241 | 0.0 | 21.743 | 4.648 | 0.0 | 19.909 | 4.613 | 0.0 | 1.899 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.195 | 0.0 |
| 16 | 1609 | 1610 | NS | 1 | 0.0 | 40.011 | 24.794 | 0.0 | 40.552 | 25.297 | 0.0 | 25.716 | 14.069 | 0.0 | 24.823 | 14.22 | 0.0 | 1.911 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.209 | 0.0 | 0.0 | 2.201 | 0.0 |
| 17 | 1609 | 1610 | NS | 1 | 0.0 | 34.615 | 13.295 | 0.0 | 34.165 | 13.241 | 0.0 | 21.743 | 4.648 | 0.0 | 19.909 | 4.613 | 0.0 | 1.899 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.195 | 0.0 |
| 18 | 1609 | 1610 | SN | 1 | 0.0 | 34.8 | 13.414 | 0.0 | 37.075 | 13.733 | 0.0 | 22.286 | 4.103 | 0.0 | 19.931 | 4.098 | 0.0 | 1.903 | 0.0 | 0.0 | 1.903 | 0.0 | 0.0 | 2.193 | 0.0 | 0.0 | 2.189 | 0.0 |
| 19 | 1609 | 1610 | SN | 1 | 0.0 | 40.519 | 25.427 | 0.0 | 38.566 | 24.694 | 0.0 | 25.694 | 13.693 | 0.0 | 25.893 | 13.025 | 0.0 | 1.921 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.192 | 0.0 | 0.0 | 2.203 | 0.0 |
| 20 | 1609 | 1610 | NS | 1 | 0.0 | 40.011 | 24.794 | 0.0 | 40.552 | 25.297 | 0.0 | 25.716 | 14.069 | 0.0 | 24.823 | 14.22 | 0.0 | 1.911 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.209 | 0.0 | 0.0 | 2.201 | 0.0 |
| 21 | 1610 | 1611 | NS | 1 | 0.0 | 38.759 | 24.918 | 0.0 | 39.691 | 25.255 | 0.0 | 26.036 | 14.052 | 0.0 | 25.11 | 14.201 | 0.0 | 1.909 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.208 | 0.0 | 0.0 | 2.201 | 0.0 |
| 22 | 1610 | 1611 | SN | 1 | 0.0 | 40.502 | 25.468 | 0.0 | 38.536 | 24.693 | 0.0 | 24.95 | 13.78 | 0.0 | 25.893 | 13.03 | 0.0 | 1.915 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.193 | 0.0 | 0.0 | 2.201 | 0.0 |
| 23 | 1610 | 1611 | NS | 1 | 0.0 | 34.488 | 13.291 | 0.0 | 34.618 | 13.272 | 0.0 | 22.082 | 4.603 | 0.0 | 19.854 | 4.579 | 0.0 | 1.898 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 2.197 | 0.0 |
| 24 | 1610 | 1611 | SN | 1 | 0.0 | 34.811 | 13.343 | 0.0 | 36.247 | 13.72 | 0.0 | 22.303 | 4.144 | 0.0 | 19.942 | 4.098 | 0.0 | 1.909 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.189 | 0.0 | 0.0 | 2.188 | 0.0 |
| 25 | 1610 | 1611 | NS | 1 | 0.0 | 38.759 | 24.918 | 0.0 | 39.691 | 25.255 | 0.0 | 26.036 | 14.052 | 0.0 | 25.11 | 14.201 | 0.0 | 1.909 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.208 | 0.0 | 0.0 | 2.201 | 0.0 |
| 26 | 1610 | 1611 | SN | 1 | 0.0 | 40.502 | 25.468 | 0.0 | 38.536 | 24.693 | 0.0 | 24.95 | 13.78 | 0.0 | 25.893 | 13.03 | 0.0 | 1.915 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.193 | 0.0 | 0.0 | 2.201 | 0.0 |
| 27 | 1610 | 1611 | NS | 1 | 0.0 | 34.488 | 13.291 | 0.0 | 34.618 | 13.272 | 0.0 | 22.082 | 4.603 | 0.0 | 19.854 | 4.579 | 0.0 | 1.898 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 2.197 | 0.0 |
| 28 | 1610 | 1611 | SN | 1 | 0.0 | 34.811 | 13.343 | 0.0 | 36.247 | 13.72 | 0.0 | 22.303 | 4.144 | 0.0 | 19.942 | 4.098 | 0.0 | 1.909 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.189 | 0.0 | 0.0 | 2.188 | 0.0 |
| 29 | 1611 | 1612 | NS | 1 | 0.0 | 39.995 | 24.829 | 0.0 | 40.817 | 25.266 | 0.0 | 26.031 | 14.087 | 0.0 | 25.54 | 14.177 | 0.0 | 1.909 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.207 | 0.0 | 0.0 | 2.201 | 0.0 |
| 30 | 1611 | 1612 | NS | 1 | 0.0 | 34.615 | 13.32 | 0.0 | 34.182 | 13.279 | 0.0 | 21.611 | 4.603 | 0.0 | 19.915 | 4.596 | 0.0 | 1.897 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.193 | 0.0 |
| 31 | 1611 | 1612 | NS | 1 | 0.0 | 39.995 | 24.829 | 0.0 | 40.817 | 25.266 | 0.0 | 26.031 | 14.087 | 0.0 | 25.54 | 14.177 | 0.0 | 1.909 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.207 | 0.0 | 0.0 | 2.201 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|-----|---------|--------|-----|---------|--------|-----|--------|--------|-----|--------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 32 | 1611 | 1612 | SN | 1 | 0.0 | 34.789 | 13.393 | 0.0 | 36.236 | 13.747 | 0.0 | 22.225 | 4.16 | 0.0 | 19.931 | 4.098 | 0.0 | 1.927 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.189 | 0.0 | 0.0 | 2.188 | 0.0 |
| 33 | 1611 | 1612 | NS | 1 | 0.0 | 34.615 | 13.32 | 0.0 | 34.182 | 13.279 | 0.0 | 21.611 | 4.603 | 0.0 | 19.915 | 4.596 | 0.0 | 1.897 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.193 | 0.0 |
| 34 | 1611 | 1612 | SN | 1 | 0.0 | 40.502 | 25.447 | 0.0 | 39.435 | 24.691 | 0.0 | 25.661 | 13.843 | 0.0 | 25.887 | 13.071 | 0.0 | 1.913 | 0.0 | 0.0 | 1.919 | 0.0 | 0.0 | 2.193 | 0.0 | 0.0 | 2.201 | 0.0 |
| 35 | 1611 | 1612 | SN | 1 | 0.0 | 34.789 | 13.393 | 0.0 | 36.236 | 13.747 | 0.0 | 22.225 | 4.16 | 0.0 | 19.931 | 4.098 | 0.0 | 1.927 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.189 | 0.0 | 0.0 | 2.188 | 0.0 |
| 36 | 1611 | 1612 | SN | 1 | 0.0 | 40.502 | 25.447 | 0.0 | 39.435 | 24.691 | 0.0 | 25.661 | 13.843 | 0.0 | 25.887 | 13.071 | 0.0 | 1.913 | 0.0 | 0.0 | 1.919 | 0.0 | 0.0 | 2.193 | 0.0 | 0.0 | 2.201 | 0.0 |
| 37 | 1612 | 1613 | NS | 1 | 0.0 | 34.632 | 13.306 | 0.0 | 34.618 | 13.281 | 0.0 | 21.611 | 4.638 | 0.0 | 19.904 | 4.603 | 0.0 | 1.899 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.194 | 0.0 |
| 38 | 1612 | 1613 | NS | 1 | 0.0 | 39.989 | 24.844 | 0.0 | 40.122 | 25.257 | 0.0 | 26.042 | 14.142 | 0.0 | 25.529 | 14.226 | 0.0 | 1.908 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.208 | 0.0 | 0.0 | 2.201 | 0.0 |
| 39 | 1612 | 1613 | SN | 1 | 0.0 | 39.581 | 25.388 | 0.0 | 39.43 | 24.679 | 0.0 | 24.939 | 13.864 | 0.0 | 25.871 | 13.086 | 0.0 | 1.912 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.195 | 0.0 | 0.0 | 2.201 | 0.0 |
| 40 | 1612 | 1613 | NS | 1 | 0.0 | 34.632 | 13.306 | 0.0 | 34.618 | 13.281 | 0.0 | 21.611 | 4.638 | 0.0 | 19.904 | 4.603 | 0.0 | 1.899 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.194 | 0.0 |
| 41 | 1612 | 1613 | SN | 1 | 0.0 | 39.581 | 25.388 | 0.0 | 39.43 | 24.679 | 0.0 | 24.939 | 13.864 | 0.0 | 25.871 | 13.086 | 0.0 | 1.912 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.195 | 0.0 | 0.0 | 2.201 | 0.0 |
| 42 | 1612 | 1613 | NS | 1 | 0.0 | 39.989 | 24.844 | 0.0 | 40.122 | 25.257 | 0.0 | 26.042 | 14.142 | 0.0 | 25.529 | 14.226 | 0.0 | 1.908 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.208 | 0.0 | 0.0 | 2.201 | 0.0 |
| 43 | 1613 | 1614 | NS | 1 | 0.0 | 39.989 | 24.853 | 0.0 | 39.951 | 25.261 | 0.0 | 26.053 | 14.056 | 0.0 | 25.529 | 14.268 | 0.0 | 1.911 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.21 | 0.0 | 0.0 | 2.2 | 0.0 |
| 44 | 1613 | 1614 | NS | 1 | 0.0 | 34.626 | 13.32 | 0.0 | 34.623 | 13.265 | 0.0 | 21.622 | 4.659 | 0.0 | 19.904 | 4.61 | 0.0 | 1.9 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.194 | 0.0 |
| 45 | 1613 | 1614 | SN | 1 | 0.0 | 39.438 | 25.379 | 0.0 | 39.413 | 24.672 | 0.0 | 25.424 | 13.827 | 0.0 | 25.871 | 13.106 | 0.0 | 1.912 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.197 | 0.0 | 0.0 | 2.201 | 0.0 |
| 46 | 1613 | 1614 | NS | 1 | 0.0 | 34.626 | 13.32 | 0.0 | 34.623 | 13.265 | 0.0 | 21.622 | 4.659 | 0.0 | 19.904 | 4.61 | 0.0 | 1.9 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.194 | 0.0 |
| 47 | 1613 | 1614 | NS | 1 | 0.0 | 39.989 | 24.853 | 0.0 | 39.951 | 25.261 | 0.0 | 26.053 | 14.056 | 0.0 | 25.529 | 14.268 | 0.0 | 1.911 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.21 | 0.0 | 0.0 | 2.2 | 0.0 |
| 48 | 1613 | 1614 | SN | 1 | 0.0 | 39.438 | 25.379 | 0.0 | 39.413 | 24.672 | 0.0 | 25.424 | 13.827 | 0.0 | 25.871 | 13.106 | 0.0 | 1.912 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.197 | 0.0 | 0.0 | 2.201 | 0.0 |
| 49 | 1614 | 1615 | NS | 1 | 0.0 | 39.973 | 24.802 | 0.0 | 40.1 | 25.264 | 0.0 | 26.053 | 14.096 | 0.0 | 25.518 | 14.276 | 0.0 | 1.909 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.21 | 0.0 | 0.0 | 2.201 | 0.0 |
| 50 | 1614 | 1615 | NS | 1 | 0.0 | 34.648 | 13.293 | 0.0 | 34.64 | 13.242 | 0.0 | 21.638 | 4.684 | 0.0 | 19.898 | 4.635 | 0.0 | 1.898 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.195 | 0.0 |
| 51 | 1614 | 1615 | NS | 1 | 0.0 | 34.648 | 13.293 | 0.0 | 34.64 | 13.242 | 0.0 | 21.638 | 4.684 | 0.0 | 19.898 | 4.635 | 0.0 | 1.898 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.195 | 0.0 |
| 52 | 1614 | 1615 | NS | 1 | 0.0 | 39.973 | 24.802 | 0.0 | 40.1 | 25.264 | 0.0 | 26.053 | 14.096 | 0.0 | 25.518 | 14.276 | 0.0 | 1.909 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.21 | 0.0 | 0.0 | 2.201 | 0.0 |
| 53 | 1614 | 1615 | SN | 1 | 0.0 | 34.645 | 13.435 | 0.0 | 240.391 | 13.766 | 0.0 | 22.303 | 4.119 | 0.0 | 19.915 | 4.049 | 0.0 | 1.913 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.189 | 0.0 | 0.0 | 2.181 | 0.0 |
| 54 | 1614 | 1615 | SN | 1 | 0.0 | 34.645 | 13.435 | 0.0 | 240.391 | 13.766 | 0.0 | 22.303 | 4.119 | 0.0 | 19.915 | 4.049 | 0.0 | 1.913 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.189 | 0.0 | 0.0 | 2.181 | 0.0 |
| 55 | 1614 | 1615 | SN | 1 | 0.0 | 39.289 | 25.405 | 0.0 | 100.486 | 24.704 | 0.0 | 25.667 | 13.797 | 0.0 | 25.86 | 13.026 | 0.0 | 1.918 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.199 | 0.0 | 0.0 | 2.2 | 0.0 |
| 56 | 1614 | 1615 | SN | 1 | 0.0 | 39.289 | 25.405 | 0.0 | 100.486 | 24.704 | 0.0 | 25.667 | 13.797 | 0.0 | 25.86 | 13.026 | 0.0 | 1.918 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.199 | 0.0 | 0.0 | 2.2 | 0.0 |
| 57 | 1615 | 1616 | NS | 1 | 0.0 | 34.78 | 13.23 | 0.0 | 34.375 | 13.202 | 0.0 | 21.784 | 4.687 | 0.0 | 19.848 | 4.606 | 0.0 | 1.897 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.196 | 0.0 |
| 58 | 1615 | 1616 | NS | 1 | 0.0 | 38.908 | 24.785 | 0.0 | 40.464 | 25.255 | 0.0 | 25.755 | 14.109 | 0.0 | 25.854 | 14.299 | 0.0 | 1.908 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.209 | 0.0 | 0.0 | 2.202 | 0.0 |
| 59 | 1615 | 1616 | SN | 1 | 0.0 | 40.039 | 25.472 | 0.0 | 73.849 | 24.751 | 0.0 | 25.909 | 13.695 | 0.0 | 25.606 | 12.869 | 0.0 | 1.922 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.192 | 0.0 | 0.0 | 2.205 | 0.0 |
| 60 | 1615 | 1616 | SN | 1 | 0.0 | 34.496 | 13.395 | 0.0 | 185.963 | 13.722 | 0.0 | 21.961 | 4.076 | 0.0 | 19.97 | 4.112 | 0.0 | 1.904 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.192 | 0.0 | 0.0 | 2.186 | 0.0 |
| 61 | 1615 | 1616 | SN | 1 | 0.0 | 34.496 | 13.395 | 0.0 | 185.963 | 13.722 | 0.0 | 21.961 | 4.076 | 0.0 | 19.97 | 4.112 | 0.0 | 1.904 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.192 | 0.0 | 0.0 | 2.186 | 0.0 |
| 62 | 1615 | 1616 | NS | 1 | 0.0 | 34.78 | 13.23 | 0.0 | 34.375 | 13.202 | 0.0 | 21.784 | 4.687 | 0.0 | 19.848 | 4.606 | 0.0 | 1.897 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.196 | 0.0 |
| 63 | 1615 | 1616 | NS | 1 | 0.0 | 38.908 | 24.785 | 0.0 | 40.464 | 25.255 | 0.0 | 25.755 | 14.109 | 0.0 | 25.854 | 14.299 | 0.0 | 1.908 | 0.0 | 0.0 | 1.913 | 0.0 | 0.0 | 2.209 | 0.0 | 0.0 | 2.202 | 0.0 |
| 64 | 1615 | 1616 | SN | 1 | 0.0 | 40.039 | 25.472 | 0.0 | 73.849 | 24.751 | 0.0 | 25.909 | 13.695 | 0.0 | 25.606 | 12.869 | 0.0 | 1.922 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.192 | 0.0 | 0.0 | 2.205 | 0.0 |
| 65 | 1616 | 1617 | SN | 1 | 0.0 | 40.033 | 25.445 | 0.0 | 39.397 | 24.757 | 0.0 | 25.909 | 13.682 | 0.0 | 25.617 | 12.854 | 0.0 | 1.924 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.193 | 0.0 | 0.0 | 2.204 | 0.0 |
| 66 | 1616 | 1617 | NS | 1 | 0.0 | 133.554 | 13.294 | 0.0 | 34.535 | 13.241 | 0.0 | 22.016 | 4.633 | 0.0 | 19.904 | 4.65 | 0.0 | 1.896 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 2.196 | 0.0 |
| 67 | 1616 | 1617 | SN | 1 | 0.0 | 40.033 | 25.445 | 0.0 | 39.397 | 24.757 | 0.0 | 25.909 | 13.682 | 0.0 | 25.617 | 12.854 | 0.0 | 1.924 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.193 | 0.0 | 0.0 | 2.204 | 0.0 |
| 68 | 1616 | 1617 | SN | 1 | 0.0 | 34.507 | 13.412 | 0.0 | 35.757 | 13.718 | 0.0 | 21.961 | 4.056 | 0.0 | 19.975 | 4.094 | 0.0 | 1.902 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.189 | 0.0 | 0.0 | 2.188 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|---------|--------|-----|---------|--------|-----|--------|--------|-----|--------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 69 | 1616 | 1617 | NS | 1 | 0.0 | 142.4 | 24.771 | 0.0 | 40.905 | 25.274 | 0.0 | 25.992 | 14.031 | 0.0 | 25.86 | 14.257 | 0.0 | 1.909 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.208 | 0.0 | 0.0 | 2.203 | 0.0 |
| 70 | 1616 | 1617 | NS | 1 | 0.0 | 133.554 | 13.294 | 0.0 | 34.535 | 13.241 | 0.0 | 22.016 | 4.633 | 0.0 | 19.904 | 4.65 | 0.0 | 1.896 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 2.196 | 0.0 |
| 71 | 1616 | 1617 | SN | 1 | 0.0 | 34.507 | 13.412 | 0.0 | 35.757 | 13.718 | 0.0 | 21.961 | 4.056 | 0.0 | 19.975 | 4.094 | 0.0 | 1.902 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.189 | 0.0 | 0.0 | 2.188 | 0.0 |
| 72 | 1616 | 1617 | NS | 1 | 0.0 | 142.4 | 24.771 | 0.0 | 40.905 | 25.274 | 0.0 | 25.992 | 14.031 | 0.0 | 25.86 | 14.257 | 0.0 | 1.909 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.208 | 0.0 | 0.0 | 2.203 | 0.0 |
| 73 | 1617 | 1618 | NS | 1 | 0.0 | 39.526 | 24.712 | 0.0 | 39.636 | 25.272 | 0.0 | 25.981 | 14.06 | 0.0 | 25.854 | 14.264 | 0.0 | 1.909 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.208 | 0.0 | 0.0 | 2.203 | 0.0 |
| 74 | 1617 | 1618 | NS | 1 | 0.0 | 34.786 | 13.261 | 0.0 | 34.529 | 13.245 | 0.0 | 21.911 | 4.669 | 0.0 | 19.898 | 4.645 | 0.0 | 1.897 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.197 | 0.0 |
| 75 | 1617 | 1618 | NS | 1 | 0.0 | 34.786 | 13.261 | 0.0 | 34.529 | 13.245 | 0.0 | 21.911 | 4.669 | 0.0 | 19.898 | 4.645 | 0.0 | 1.897 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.197 | 0.0 |
| 76 | 1617 | 1618 | NS | 1 | 0.0 | 39.526 | 24.712 | 0.0 | 39.636 | 25.272 | 0.0 | 25.981 | 14.06 | 0.0 | 25.854 | 14.264 | 0.0 | 1.909 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.208 | 0.0 | 0.0 | 2.203 | 0.0 |
| 77 | 1617 | 1618 | SN | 1 | 0.0 | 34.507 | 13.44 | 0.0 | 35.988 | 13.732 | 0.0 | 21.961 | 4.083 | 0.0 | 19.959 | 4.113 | 0.0 | 1.916 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.189 | 0.0 | 0.0 | 2.187 | 0.0 |
| 78 | 1617 | 1618 | SN | 1 | 0.0 | 40.033 | 25.39 | 0.0 | 39.385 | 24.746 | 0.0 | 25.314 | 13.674 | 0.0 | 25.617 | 12.946 | 0.0 | 1.932 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.195 | 0.0 | 0.0 | 2.205 | 0.0 |
| 79 | 1617 | 1618 | SN | 1 | 0.0 | 34.507 | 13.44 | 0.0 | 35.988 | 13.732 | 0.0 | 21.961 | 4.083 | 0.0 | 19.959 | 4.113 | 0.0 | 1.916 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.189 | 0.0 | 0.0 | 2.187 | 0.0 |
| 80 | 1617 | 1618 | SN | 1 | 0.0 | 40.033 | 25.39 | 0.0 | 39.385 | 24.746 | 0.0 | 25.314 | 13.674 | 0.0 | 25.617 | 12.946 | 0.0 | 1.932 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.195 | 0.0 | 0.0 | 2.205 | 0.0 |
| 81 | 1618 | 1619 | SN | 1 | 0.0 | 40.044 | 25.373 | 0.0 | 39.385 | 24.704 | 0.0 | 25.303 | 13.739 | 0.0 | 25.612 | 12.897 | 0.0 | 1.926 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.193 | 0.0 | 0.0 | 2.203 | 0.0 |
| 82 | 1618 | 1619 | SN | 1 | 0.0 | 34.502 | 13.427 | 0.0 | 35.966 | 13.743 | 0.0 | 22.33 | 4.087 | 0.0 | 19.964 | 4.115 | 0.0 | 1.921 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.188 | 0.0 | 0.0 | 2.188 | 0.0 |
| 83 | 1618 | 1619 | SN | 1 | 0.0 | 34.502 | 13.427 | 0.0 | 35.966 | 13.743 | 0.0 | 22.33 | 4.087 | 0.0 | 19.964 | 4.115 | 0.0 | 1.921 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.188 | 0.0 | 0.0 | 2.188 | 0.0 |
| 84 | 1618 | 1619 | SN | 1 | 0.0 | 40.044 | 25.373 | 0.0 | 39.385 | 24.704 | 0.0 | 25.303 | 13.739 | 0.0 | 25.612 | 12.897 | 0.0 | 1.926 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.193 | 0.0 | 0.0 | 2.203 | 0.0 |
| 85 | 1618 | 1619 | NS | 1 | 0.0 | 39.482 | 24.756 | 0.0 | 39.625 | 25.293 | 0.0 | 25.369 | 14.102 | 0.0 | 25.854 | 14.278 | 0.0 | 1.909 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.208 | 0.0 | 0.0 | 2.203 | 0.0 |
| 86 | 1618 | 1619 | NS | 1 | 0.0 | 34.791 | 13.273 | 0.0 | 34.535 | 13.241 | 0.0 | 21.917 | 4.668 | 0.0 | 19.893 | 4.62 | 0.0 | 1.899 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.197 | 0.0 |
| 87 | 1618 | 1619 | NS | 1 | 0.0 | 39.482 | 24.756 | 0.0 | 39.625 | 25.293 | 0.0 | 25.369 | 14.102 | 0.0 | 25.854 | 14.278 | 0.0 | 1.909 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.208 | 0.0 | 0.0 | 2.203 | 0.0 |
| 88 | 1618 | 1619 | NS | 1 | 0.0 | 34.791 | 13.273 | 0.0 | 34.535 | 13.241 | 0.0 | 21.917 | 4.668 | 0.0 | 19.893 | 4.62 | 0.0 | 1.899 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.197 | 0.0 |
| 89 | 1619 | 1620 | SN | 1 | 0.0 | 34.485 | 13.398 | 0.0 | 36.854 | 13.776 | 0.0 | 22.33 | 4.08 | 0.0 | 19.953 | 4.105 | 0.0 | 1.905 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.188 | 0.0 | 0.0 | 2.184 | 0.0 |
| 90 | 1619 | 1620 | NS | 1 | 0.0 | 38.318 | 24.709 | 0.0 | 40.745 | 25.143 | 0.0 | 25.375 | 14.067 | 0.0 | 25.204 | 14.177 | 0.0 | 1.908 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.21 | 0.0 | 0.0 | 2.204 | 0.0 |
| 91 | 1619 | 1620 | SN | 1 | 0.0 | 40.061 | 25.373 | 0.0 | 39.363 | 24.723 | 0.0 | 25.705 | 13.697 | 0.0 | 25.584 | 12.868 | 0.0 | 1.924 | 0.0 | 0.0 | 1.919 | 0.0 | 0.0 | 2.195 | 0.0 | 0.0 | 2.203 | 0.0 |
| 92 | 1619 | 1620 | NS | 1 | 0.0 | 34.797 | 13.278 | 0.0 | 34.392 | 13.14 | 0.0 | 21.917 | 4.696 | 0.0 | 19.942 | 4.563 | 0.0 | 1.897 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.198 | 0.0 |
| 93 | 1619 | 1620 | SN | 1 | 0.0 | 34.485 | 13.398 | 0.0 | 36.854 | 13.776 | 0.0 | 22.33 | 4.08 | 0.0 | 19.953 | 4.105 | 0.0 | 1.905 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.188 | 0.0 | 0.0 | 2.184 | 0.0 |
| 94 | 1619 | 1620 | NS | 1 | 0.0 | 34.797 | 13.278 | 0.0 | 34.392 | 13.14 | 0.0 | 21.917 | 4.696 | 0.0 | 19.942 | 4.563 | 0.0 | 1.897 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.198 | 0.0 |
| 95 | 1619 | 1620 | NS | 1 | 0.0 | 38.318 | 24.709 | 0.0 | 40.745 | 25.143 | 0.0 | 25.375 | 14.067 | 0.0 | 25.204 | 14.177 | 0.0 | 1.908 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.21 | 0.0 | 0.0 | 2.204 | 0.0 |
| 96 | 1619 | 1620 | SN | 1 | 0.0 | 40.061 | 25.373 | 0.0 | 39.363 | 24.723 | 0.0 | 25.705 | 13.697 | 0.0 | 25.584 | 12.868 | 0.0 | 1.924 | 0.0 | 0.0 | 1.919 | 0.0 | 0.0 | 2.195 | 0.0 | 0.0 | 2.203 | 0.0 |
| 97 | 1620 | 1621 | SN | 1 | 0.0 | 34.827 | 13.37 | 0.0 | 78.911 | 13.76 | 0.0 | 22.088 | 4.075 | 0.0 | 19.893 | 4.072 | 0.0 | 1.919 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.19 | 0.0 | 0.0 | 2.19 | 0.0 |
| 98 | 1620 | 1621 | SN | 1 | 0.0 | 34.827 | 13.37 | 0.0 | 78.911 | 13.76 | 0.0 | 22.088 | 4.075 | 0.0 | 19.893 | 4.072 | 0.0 | 1.919 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.19 | 0.0 | 0.0 | 2.19 | 0.0 |
| 99 | 1620 | 1621 | SN | 1 | 0.0 | 39.327 | 25.333 | 0.0 | 226.603 | 24.666 | 0.0 | 25.937 | 13.663 | 0.0 | 25.573 | 12.884 | 0.0 | 1.934 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.197 | 0.0 | 0.0 | 2.201 | 0.0 |
| 100 | 1620 | 1621 | NS | 1 | 0.0 | 34.797 | 13.262 | 0.0 | 34.397 | 13.177 | 0.0 | 21.917 | 4.73 | 0.0 | 19.937 | 4.639 | 0.0 | 1.896 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.198 | 0.0 |
| 101 | 1620 | 1621 | NS | 1 | 0.0 | 39.493 | 24.674 | 0.0 | 41.997 | 25.341 | 0.0 | 25.386 | 14.068 | 0.0 | 25.838 | 14.312 | 0.0 | 1.909 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.21 | 0.0 | 0.0 | 2.204 | 0.0 |
| 102 | 1620 | 1621 | NS | 1 | 0.0 | 39.493 | 24.674 | 0.0 | 41.997 | 25.341 | 0.0 | 25.386 | 14.068 | 0.0 | 25.838 | 14.312 | 0.0 | 1.909 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.21 | 0.0 | 0.0 | 2.204 | 0.0 |
| 103 | 1620 | 1621 | NS | 1 | 0.0 | 34.797 | 13.262 | 0.0 | 34.397 | 13.177 | 0.0 | 21.917 | 4.73 | 0.0 | 19.937 | 4.639 | 0.0 | 1.896 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.198 | 0.0 |
| 104 | 1620 | 1621 | SN | 1 | 0.0 | 39.327 | 25.333 | 0.0 | 226.603 | 24.666 | 0.0 | 25.937 | 13.663 | 0.0 | 25.573 | 12.884 | 0.0 | 1.934 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.197 | 0.0 | 0.0 | 2.201 | 0.0 |
| 105 | 1621 | 1622 | NS | 1 | 0.0 | 38.853 | 24.798 | 0.0 | 41.688 | 25.354 | 0.0 | 25.998 | 14.035 | 0.0 | 25.612 | 14.352 | 0.0 | 1.907 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.212 | 0.0 | 0.0 | 2.203 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|--------|--------|-----|--------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 106 | 1621 | 1622 | SN | 1 | 0.0 | 39.333 | 25.305 | 0.0 | 38.522 | 24.717 | 0.0 | 25.932 | 13.615 | 0.0 | 25.568 | 12.898 | 0.0 | 1.936 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.202 | 0.0 | 0.0 | 2.205 | 0.0 |
| 107 | 1621 | 1622 | NS | 1 | 0.0 | 34.433 | 13.261 | 0.0 | 34.557 | 13.145 | 0.0 | 22.049 | 4.749 | 0.0 | 19.931 | 4.638 | 0.0 | 1.894 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.202 | 0.0 | 0.0 | 2.196 | 0.0 |
| 108 | 1621 | 1622 | SN | 1 | 0.0 | 34.838 | 13.394 | 0.0 | 36.661 | 13.756 | 0.0 | 22.088 | 4.052 | 0.0 | 19.893 | 4.12 | 0.0 | 1.918 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.188 | 0.0 | 0.0 | 2.193 | 0.0 |
| 109 | 1621 | 1622 | SN | 1 | 0.0 | 39.333 | 25.305 | 0.0 | 38.522 | 24.717 | 0.0 | 25.932 | 13.615 | 0.0 | 25.568 | 12.898 | 0.0 | 1.936 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.202 | 0.0 | 0.0 | 2.205 | 0.0 |
| 110 | 1621 | 1622 | NS | 1 | 0.0 | 34.433 | 13.261 | 0.0 | 34.557 | 13.145 | 0.0 | 22.049 | 4.749 | 0.0 | 19.931 | 4.638 | 0.0 | 1.894 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.202 | 0.0 | 0.0 | 2.196 | 0.0 |
| 111 | 1621 | 1622 | NS | 1 | 0.0 | 38.853 | 24.798 | 0.0 | 41.688 | 25.354 | 0.0 | 25.998 | 14.035 | 0.0 | 25.612 | 14.352 | 0.0 | 1.907 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.212 | 0.0 | 0.0 | 2.203 | 0.0 |
| 112 | 1621 | 1622 | SN | 1 | 0.0 | 34.838 | 13.394 | 0.0 | 36.661 | 13.756 | 0.0 | 22.088 | 4.052 | 0.0 | 19.893 | 4.12 | 0.0 | 1.918 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.188 | 0.0 | 0.0 | 2.193 | 0.0 |
| 113 | 1622 | 1623 | SN | 1 | 0.0 | 40.077 | 25.19 | 0.0 | 39.702 | 24.719 | 0.0 | 25.932 | 13.522 | 0.0 | 23.828 | 12.781 | 0.0 | 1.939 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.202 | 0.0 |
| 114 | 1622 | 1623 | SN | 1 | 0.0 | 32.61 | 13.463 | 0.0 | 34.576 | 13.707 | 0.0 | 22.088 | 4.026 | 0.0 | 19.777 | 4.009 | 0.0 | 1.92 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.187 | 0.0 | 0.0 | 2.182 | 0.0 |
| 115 | 1622 | 1623 | NS | 1 | 0.0 | 34.455 | 13.231 | 0.0 | 34.568 | 13.144 | 0.0 | 22.066 | 4.746 | 0.0 | 19.876 | 4.643 | 0.0 | 1.894 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.203 | 0.0 | 0.0 | 2.197 | 0.0 |
| 116 | 1622 | 1623 | NS | 1 | 0.0 | 38.853 | 24.825 | 0.0 | 41.975 | 25.346 | 0.0 | 26.02 | 14.028 | 0.0 | 25.17 | 14.379 | 0.0 | 1.908 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.211 | 0.0 | 0.0 | 2.204 | 0.0 |
| 117 | 1622 | 1623 | SN | 1 | 0.0 | 32.61 | 13.463 | 0.0 | 34.576 | 13.707 | 0.0 | 22.088 | 4.026 | 0.0 | 19.777 | 4.009 | 0.0 | 1.92 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.187 | 0.0 | 0.0 | 2.182 | 0.0 |
| 118 | 1622 | 1623 | SN | 1 | 0.0 | 40.077 | 25.19 | 0.0 | 39.702 | 24.719 | 0.0 | 25.932 | 13.522 | 0.0 | 23.828 | 12.781 | 0.0 | 1.939 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.202 | 0.0 |
| 119 | 1623 | 1624 | SN | 1 | 0.0 | 34.811 | 13.437 | 0.0 | 35.856 | 13.738 | 0.0 | 22.115 | 4.012 | 0.0 | 19.953 | 4.134 | 0.0 | 1.921 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.183 | 0.0 | 0.0 | 2.184 | 0.0 |
| 120 | 1623 | 1624 | SN | 1 | 0.0 | 40.105 | 25.299 | 0.0 | 38.555 | 24.786 | 0.0 | 25.948 | 13.552 | 0.0 | 25.562 | 12.976 | 0.0 | 1.938 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.198 | 0.0 | 0.0 | 2.202 | 0.0 |
| 121 | 1623 | 1624 | NS | 1 | 0.0 | 39.487 | 24.707 | 0.0 | 40.59 | 25.333 | 0.0 | 25.805 | 14.096 | 0.0 | 25.821 | 14.363 | 0.0 | 1.908 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.211 | 0.0 | 0.0 | 2.205 | 0.0 |
| 122 | 1623 | 1624 | SN | 1 | 0.0 | 34.811 | 13.437 | 0.0 | 35.856 | 13.738 | 0.0 | 22.115 | 4.012 | 0.0 | 19.953 | 4.134 | 0.0 | 1.921 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.183 | 0.0 | 0.0 | 2.184 | 0.0 |
| 123 | 1623 | 1624 | NS | 1 | 0.0 | 34.819 | 13.27 | 0.0 | 34.447 | 13.159 | 0.0 | 21.955 | 4.727 | 0.0 | 19.821 | 4.644 | 0.0 | 1.896 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.202 | 0.0 | 0.0 | 2.199 | 0.0 |
| 124 | 1623 | 1624 | NS | 1 | 0.0 | 34.819 | 13.27 | 0.0 | 34.447 | 13.159 | 0.0 | 21.955 | 4.727 | 0.0 | 19.821 | 4.644 | 0.0 | 1.896 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.202 | 0.0 | 0.0 | 2.199 | 0.0 |
| 125 | 1623 | 1624 | SN | 1 | 0.0 | 40.105 | 25.299 | 0.0 | 38.555 | 24.786 | 0.0 | 25.948 | 13.552 | 0.0 | 25.562 | 12.976 | 0.0 | 1.938 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.198 | 0.0 | 0.0 | 2.202 | 0.0 |
| 126 | 1623 | 1624 | NS | 1 | 0.0 | 39.487 | 24.707 | 0.0 | 40.59 | 25.333 | 0.0 | 25.805 | 14.096 | 0.0 | 25.821 | 14.363 | 0.0 | 1.908 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.211 | 0.0 | 0.0 | 2.205 | 0.0 |
| 127 | 1624 | 1625 | SN | 1 | 0.0 | 34.827 | 13.373 | 0.0 | 36.65 | 13.755 | 0.0 | 19.953 | 3.926 | 0.0 | 19.948 | 4.063 | 0.0 | 1.917 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.185 | 0.0 | 0.0 | 2.185 | 0.0 |
| 128 | 1624 | 1625 | SN | 1 | 0.0 | 37.48 | 25.299 | 0.0 | 37.703 | 24.754 | 0.0 | 23.566 | 13.346 | 0.0 | 25.557 | 12.906 | 0.0 | 1.935 | 0.0 | 0.0 | 1.923 | 0.0 | 0.0 | 2.196 | 0.0 | 0.0 | 2.194 | 0.0 |
| 129 | 1624 | 1625 | NS | 1 | 0.0 | 34.461 | 13.306 | 0.0 | 34.574 | 13.203 | 0.0 | 22.402 | 4.72 | 0.0 | 19.882 | 4.636 | 0.0 | 1.898 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.195 | 0.0 |
| 130 | 1624 | 1625 | NS | 1 | 0.0 | 38.842 | 24.815 | 0.0 | 40.855 | 25.255 | 0.0 | 26.014 | 14.108 | 0.0 | 25.821 | 14.273 | 0.0 | 1.909 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.21 | 0.0 | 0.0 | 2.201 | 0.0 |
| 131 | 1624 | 1625 | NS | 1 | 0.0 | 38.842 | 24.798 | 0.0 | 40.855 | 25.247 | 0.0 | 26.014 | 14.101 | 0.0 | 25.816 | 14.265 | 0.0 | 1.908 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.21 | 0.0 | 0.0 | 2.202 | 0.0 |
| 132 | 1624 | 1625 | SN | 1 | 0.0 | 34.827 | 13.373 | 0.0 | 36.65 | 13.755 | 0.0 | 19.953 | 3.926 | 0.0 | 19.948 | 4.063 | 0.0 | 1.917 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.185 | 0.0 | 0.0 | 2.185 | 0.0 |
| 133 | 1624 | 1625 | NS | 1 | 0.0 | 34.461 | 13.304 | 0.0 | 34.574 | 13.203 | 0.0 | 22.402 | 4.711 | 0.0 | 19.882 | 4.638 | 0.0 | 1.897 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.195 | 0.0 |
| 134 | 1624 | 1625 | SN | 1 | 0.0 | 37.48 | 25.299 | 0.0 | 37.703 | 24.754 | 0.0 | 23.566 | 13.346 | 0.0 | 25.557 | 12.906 | 0.0 | 1.935 | 0.0 | 0.0 | 1.923 | 0.0 | 0.0 | 2.196 | 0.0 | 0.0 | 2.194 | 0.0 |
| 135 | 1625 | 1626 | NS | 1 | 0.0 | 38.82 | 24.823 | 0.0 | 41.969 | 25.242 | 0.0 | 26.036 | 14.079 | 0.0 | 25.821 | 14.287 | 0.0 | 1.907 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.209 | 0.0 | 0.0 | 2.202 | 0.0 |
| 136 | 1625 | 1626 | SN | 1 | 0.0 | 40.458 | 25.335 | 0.0 | 38.194 | 24.63 | 0.0 | 25.623 | 13.623 | 0.0 | 25.904 | 12.922 | 0.0 | 1.932 | 0.0 | 0.0 | 1.919 | 0.0 | 0.0 | 2.198 | 0.0 | 0.0 | 2.189 | 0.0 |
| 137 | 1625 | 1626 | SN | 1 | 0.0 | 34.822 | 13.357 | 0.0 | 36.286 | 13.77 | 0.0 | 22.22 | 4.067 | 0.0 | 19.937 | 4.112 | 0.0 | 1.911 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.184 | 0.0 | 0.0 | 2.184 | 0.0 |
| 138 | 1625 | 1626 | NS | 1 | 0.0 | 34.852 | 13.312 | 0.0 | 34.59 | 13.193 | 0.0 | 22.082 | 4.741 | 0.0 | 19.882 | 4.64 | 0.0 | 1.897 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.202 | 0.0 | 0.0 | 2.195 | 0.0 |
| 139 | 1626 | 1627 | SN | 1 | 0.0 | 39.493 | 25.377 | 0.0 | 38.575 | 24.643 | 0.0 | 24.895 | 13.693 | 0.0 | 25.893 | 12.9 | 0.0 | 1.926 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.199 | 0.0 | 0.0 | 2.189 | 0.0 |
| 140 | 1626 | 1627 | NS | 1 | 0.0 | 38.952 | 24.718 | 0.0 | 41.649 | 25.257 | 0.0 | 25.705 | 14.106 | 0.0 | 25.579 | 14.318 | 0.0 | 1.909 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.209 | 0.0 | 0.0 | 2.202 | 0.0 |
| 141 | 1626 | 1627 | SN | 1 | 0.0 | 34.805 | 13.36 | 0.0 | 35.564 | 13.776 | 0.0 | 22.198 | 4.054 | 0.0 | 22.956 | 4.108 | 0.0 | 1.906 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.186 | 0.0 | 0.0 | 2.182 | 0.0 |
| 142 | 1626 | 1627 | NS | 1 | 0.0 | 34.598 | 13.273 | 0.0 | 34.585 | 13.218 | 0.0 | 22.181 | 4.73 | 0.0 | 19.926 | 4.632 | 0.0 | 1.899 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.196 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|--------|-----|---------|--------|-------|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 143 | 1627 | 1628 | NS | 1 | 0.0 | 26.119 | 13.423 | 0.0 | 24.784 | 13.794 | 0.0 | 296.103 | 4.204 | 0.0 | 22.396 | 3.908 | 0.0 | 1.895 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.195 | 0.0 |
| 144 | 1627 | 1628 | SN | 1 | 0.0 | 32.847 | 25.373 | 0.0 | 35.387 | 24.827 | 0.0 | 181.146 | 13.402 | 0.0 | 258.731 | 12.981 | 0.0 | 1.926 | 0.0 | 0.0 | 1.919 | 0.0 | 0.0 | 2.198 | 0.0 | 0.0 | 2.19 | 0.0 |
| 145 | 1627 | 1628 | NS | 1 | 0.0 | 34.67 | 24.594 | 0.0 | 34.005 | 24.956 | 0.0 | 357.044 | 14.104 | 0.0 | 45.675 | 13.994 | 0.0 | 1.909 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.211 | 0.0 | 0.0 | 2.202 | 0.0 |
| 146 | 1627 | 1628 | SN | 1 | 0.0 | 24.707 | 13.823 | 0.0 | 26.058 | 14.164 | 0.0 | 177.451 | 3.293 | 0.0 | 233.009 | 3.436 | 0.0 | 1.904 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.187 | 0.0 | 0.0 | 2.183 | 0.0 |
| 147 | 1628 | 1629 | NS | 1 | 0.0 | 34.582 | 24.617 | 0.0 | 34.005 | 24.989 | 0.0 | 73.606 | 14.09 | 0.0 | 78.07 | 14.044 | 0.0 | 1.907 | 0.0 | 0.0 | 1.915 | 0.0 | 0.0 | 2.21 | 0.0 | 0.0 | 2.203 | 0.0 |
| 148 | 1628 | 1629 | SN | 1 | 0.0 | 24.696 | 13.896 | 0.0 | 26.069 | 14.151 | 0.0 | 200.382 | 3.279 | 0.0 | 263.959 | 3.426 | 0.0 | 1.91 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.186 | 0.0 | 0.0 | 2.184 | 0.0 |
| 149 | 1628 | 1629 | SN | 1 | 0.0 | 32.814 | 25.373 | 0.0 | 33.534 | 24.759 | 0.0 | 194.293 | 13.414 | 0.0 | 39.361 | 12.821 | 0.0 | 1.931 | 0.0 | 0.0 | 1.92 | 0.0 | 0.0 | 2.195 | 0.0 | 0.0 | 2.189 | 0.0 |
| 150 | 1628 | 1629 | NS | 1 | 0.0 | 26.108 | 13.416 | 0.0 | 24.795 | 13.81 | 0.0 | 93.686 | 4.207 | 0.0 | 84.925 | 3.945 | 0.0 | 1.896 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.196 | 0.0 |
| 151 | 1629 | 1630 | SN | 1 | 0.0 | 39.394 | 25.27 | 0.0 | 39.424 | 24.719 | 0.006 | 25.402 | 13.583 | 0.0 | 25.871 | 12.864 | 0.0 | 1.936 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.193 | 0.0 | 0.0 | 2.188 | 0.0 |
| 152 | 1629 | 1630 | SN | 1 | 0.0 | 34.783 | 13.455 | 0.0 | 35.668 | 13.735 | 0.0 | 22.214 | 4.016 | 0.0 | 19.854 | 4.117 | 0.0 | 1.923 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 2.188 | 0.0 | 0.0 | 2.183 | 0.0 |
| 153 | 1629 | 1630 | NS | 1 | 0.0 | 26.136 | 13.41 | 0.0 | 24.79 | 13.752 | 0.0 | 47.338 | 4.245 | 0.0 | 85.102 | 3.964 | 0.0 | 1.894 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.201 | 0.0 | 0.0 | 2.2 | 0.0 |
| 154 | 1629 | 1630 | NS | 1 | 0.0 | 32.712 | 24.589 | 0.0 | 33.807 | 25.042 | 0.0 | 347.338 | 13.906 | 0.0 | 93.54 | 14.019 | 0.0 | 1.909 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.21 | 0.0 | 0.0 | 2.206 | 0.0 |
| 155 | 1630 | 1631 | SN | 1 | 0.0 | 34.662 | 13.459 | 0.0 | 36.904 | 13.73 | 0.0 | 22.308 | 3.955 | 0.0 | 19.915 | 4.122 | 0.0 | 1.927 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.187 | 0.0 | 0.0 | 2.187 | 0.0 |
| 156 | 1630 | 1631 | NS | 1 | 0.0 | 38.903 | 24.674 | 0.0 | 41.236 | 25.377 | 0.0 | 25.755 | 13.99 | 0.0 | 25.534 | 14.368 | 0.0 | 1.909 | 0.0 | 0.0 | 1.914 | 0.0 | 0.0 | 2.211 | 0.0 | 0.0 | 2.205 | 0.0 |
| 157 | 1630 | 1631 | NS | 1 | 0.0 | 34.648 | 13.227 | 0.0 | 34.215 | 13.163 | 0.0 | 21.627 | 4.72 | 0.0 | 19.915 | 4.674 | 0.0 | 1.894 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.203 | 0.0 | 0.0 | 2.198 | 0.0 |
| 158 | 1630 | 1631 | SN | 1 | 0.0 | 40.497 | 25.179 | 0.0 | 39.134 | 24.727 | 0.0 | 25.656 | 13.578 | 0.0 | 25.871 | 12.905 | 0.0 | 1.939 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.199 | 0.0 | 0.0 | 2.197 | 0.0 |
| 159 | 1631 | 1632 | NS | 1 | 0.0 | 34.775 | 13.243 | 0.0 | 34.21 | 13.15 | 0.0 | 22.297 | 4.747 | 0.0 | 19.86 | 4.66 | 0.0 | 1.894 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.202 | 0.0 | 0.0 | 2.198 | 0.0 |
| 160 | 1631 | 1632 | SN | 1 | 0.0 | 34.645 | 13.492 | 0.0 | 36.893 | 13.728 | 0.0 | 22.319 | 3.958 | 0.0 | 19.92 | 4.106 | 0.0 | 1.921 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.188 | 0.0 | 0.0 | 2.186 | 0.0 |
| 161 | 1631 | 1632 | NS | 1 | 0.0 | 38.958 | 24.773 | 0.0 | 40.193 | 25.352 | 0.0 | 25.744 | 14.046 | 0.0 | 25.893 | 14.378 | 0.0 | 1.91 | 0.0 | 0.0 | 1.914 | 0.0 | 0.0 | 2.211 | 0.0 | 0.0 | 2.203 | 0.0 |
| 162 | 1631 | 1632 | SN | 1 | 0.0 | 40.53 | 25.152 | 0.0 | 38.448 | 24.748 | 0.0 | 25.672 | 13.542 | 0.0 | 25.86 | 12.889 | 0.0 | 1.936 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.195 | 0.0 | 0.0 | 2.204 | 0.0 |
| 163 | 1632 | 1633 | SN | 1 | 0.0 | 34.662 | 13.501 | 0.0 | 126.817 | 13.717 | 0.0 | 22.286 | 3.972 | 0.0 | 19.92 | 4.114 | 0.0 | 1.925 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.19 | 0.0 | 0.0 | 2.184 | 0.0 |
| 164 | 1632 | 1633 | NS | 1 | 0.0 | 38.947 | 24.779 | 0.0 | 38.914 | 25.392 | 0.0 | 25.755 | 14.11 | 0.0 | 25.887 | 14.328 | 0.0 | 1.909 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.21 | 0.0 | 0.0 | 2.204 | 0.0 |
| 165 | 1632 | 1633 | SN | 1 | 0.0 | 40.519 | 25.164 | 0.0 | 271.021 | 24.782 | 0.0 | 25.672 | 13.541 | 0.0 | 25.876 | 12.932 | 0.0 | 1.938 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.199 | 0.0 | 0.0 | 2.199 | 0.0 |
| 166 | 1632 | 1633 | NS | 1 | 0.0 | 34.769 | 13.245 | 0.0 | 34.215 | 13.147 | 0.0 | 21.779 | 4.729 | 0.0 | 19.86 | 4.67 | 0.0 | 1.897 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.202 | 0.0 | 0.0 | 2.197 | 0.0 |
| 167 | 1633 | 1634 | NS | 1 | 0.0 | 34.775 | 13.227 | 0.0 | 34.38 | 13.144 | 0.0 | 21.795 | 4.762 | 0.0 | 19.915 | 4.658 | 0.0 | 1.897 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.202 | 0.0 | 0.0 | 2.199 | 0.0 |
| 168 | 1633 | 1634 | NS | 1 | 0.0 | 38.925 | 24.754 | 0.0 | 38.914 | 25.447 | 0.0 | 25.739 | 14.076 | 0.0 | 25.529 | 14.399 | 0.0 | 1.909 | 0.0 | 0.0 | 1.919 | 0.0 | 0.0 | 2.211 | 0.0 | 0.0 | 2.207 | 0.0 |
| 169 | 1633 | 1634 | SN | 1 | 0.0 | 40.524 | 25.211 | 0.0 | 39.162 | 24.778 | 0.0 | 25.683 | 13.548 | 0.0 | 25.854 | 12.916 | 0.0 | 1.935 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.196 | 0.0 | 0.0 | 2.2 | 0.0 |
| 170 | 1633 | 1634 | SN | 1 | 0.0 | 34.634 | 13.498 | 0.0 | 36.187 | 13.719 | 0.0 | 22.303 | 3.99 | 0.0 | 19.904 | 4.111 | 0.0 | 1.921 | 0.0 | 0.0 | 1.898 | 0.0 | 0.0 | 2.189 | 0.0 | 0.0 | 2.185 | 0.0 |
| 171 | 1634 | 1635 | SN | 1 | 0.0 | 40.0 | 25.086 | 0.0 | 37.976 | 24.691 | 0.0 | 25.689 | 13.512 | 0.0 | 25.601 | 12.925 | 0.0 | 1.935 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 2.19 | 0.0 |
| 172 | 1634 | 1635 | NS | 1 | 0.0 | 38.919 | 24.766 | 0.0 | 41.203 | 25.46 | 0.0 | 25.75 | 14.057 | 0.0 | 25.512 | 14.419 | 0.0 | 1.909 | 0.0 | 0.0 | 1.918 | 0.0 | 0.0 | 2.211 | 0.0 | 0.0 | 2.205 | 0.0 |
| 173 | 1634 | 1635 | NS | 1 | 0.0 | 34.78 | 13.211 | 0.0 | 34.392 | 13.133 | 0.0 | 22.308 | 4.759 | 0.0 | 19.909 | 4.659 | 0.0 | 1.896 | 0.0 | 0.0 | 1.902 | 0.0 | 0.0 | 2.203 | 0.0 | 0.0 | 2.198 | 0.0 |
| 174 | 1634 | 1635 | SN | 1 | 0.0 | 34.502 | 13.484 | 0.0 | 36.705 | 13.738 | 0.0 | 22.314 | 3.98 | 0.0 | 19.953 | 4.112 | 0.0 | 1.92 | 0.0 | 0.0 | 1.899 | 0.0 | 0.0 | 2.182 | 0.0 | 0.0 | 2.184 | 0.0 |
| 175 | 1635 | 1636 | NS | 1 | 0.0 | 34.791 | 13.216 | 0.0 | 34.524 | 13.126 | 0.0 | 22.385 | 4.802 | 0.0 | 19.953 | 4.665 | 0.0 | 1.894 | 0.0 | 0.0 | 1.903 | 0.0 | 0.0 | 2.203 | 0.0 | 0.0 | 2.198 | 0.0 |
| 176 | 1635 | 1636 | NS | 1 | 0.0 | 39.532 | 24.674 | 0.0 | 42.024 | 25.472 | 0.0 | 25.992 | 14.031 | 0.0 | 25.86 | 14.44 | 0.0 | 1.911 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.212 | 0.0 | 0.0 | 2.205 | 0.0 |
| 177 | 1635 | 1636 | SN | 1 | 0.0 | 39.311 | 25.027 | 0.0 | 38.531 | 24.708 | 0.0 | 25.683 | 13.491 | 0.0 | 25.59 | 12.904 | 0.0 | 1.934 | 0.0 | 0.0 | 1.916 | 0.0 | 0.0 | 2.198 | 0.0 | 0.0 | 2.189 | 0.0 |
| 178 | 1635 | 1636 | SN | 1 | 0.0 | 34.485 | 13.538 | 0.0 | 36.849 | 13.726 | 0.0 | 22.314 | 3.97 | 0.0 | 19.953 | 4.106 | 0.0 | 1.918 | 0.0 | 0.0 | 1.897 | 0.0 | 0.0 | 2.187 | 0.0 | 0.0 | 2.184 | 0.0 |
| 179 | 1636 | 1637 | NS | 1 | 0.0 | 34.803 | 13.216 | 0.0 | 34.551 | 13.127 | 0.0 | 22.396 | 4.811 | 0.0 | 19.942 | 4.665 | 0.0 | 1.893 | 0.0 | 0.0 | 1.901 | 0.0 | 0.0 | 2.203 | 0.0 | 0.0 | 2.199 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|--------|--------|-----|-------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 180 | 1636 | 1637 | NS | 1 | 0.0 | 39.526 | 24.665 | 0.0 | 42.019 | 25.493 | 0.0 | 25.998 | 14.011 | 0.0 | 25.86 | 14.461 | 0.0 | 1.911 | 0.0 | 0.0 | 1.917 | 0.0 | 0.0 | 2.212 | 0.0 | 0.0 | 2.205 | 0.0 |
|-----|------|------|----|---|-----|--------|--------|-----|--------|--------|-----|--------|--------|-----|-------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|

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