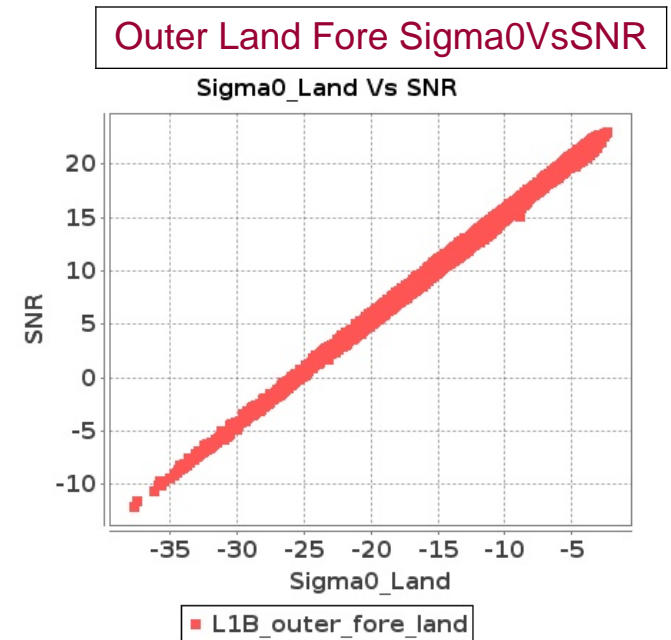
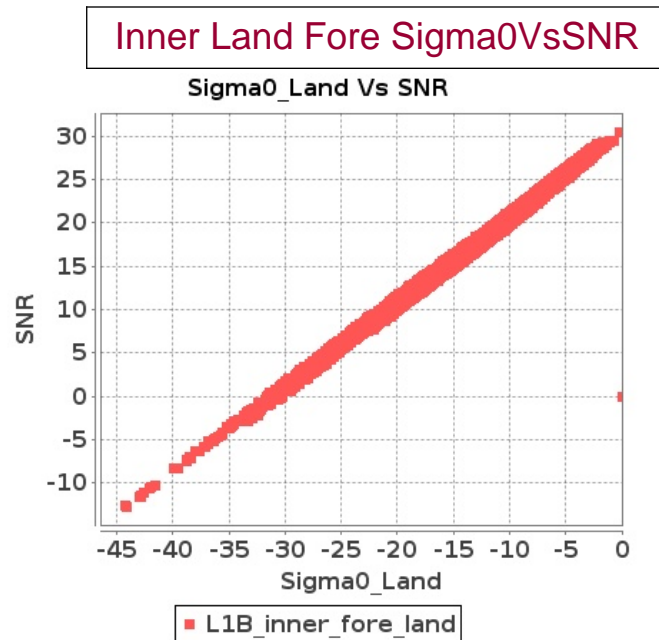
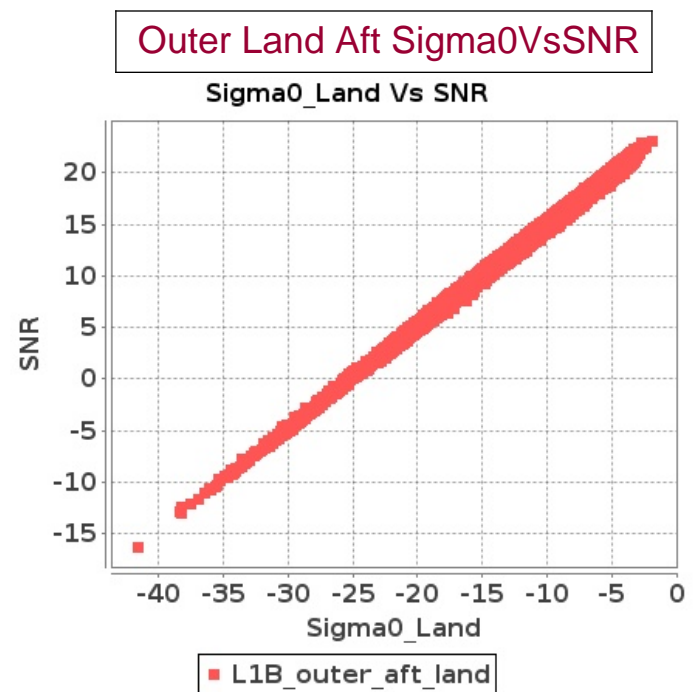
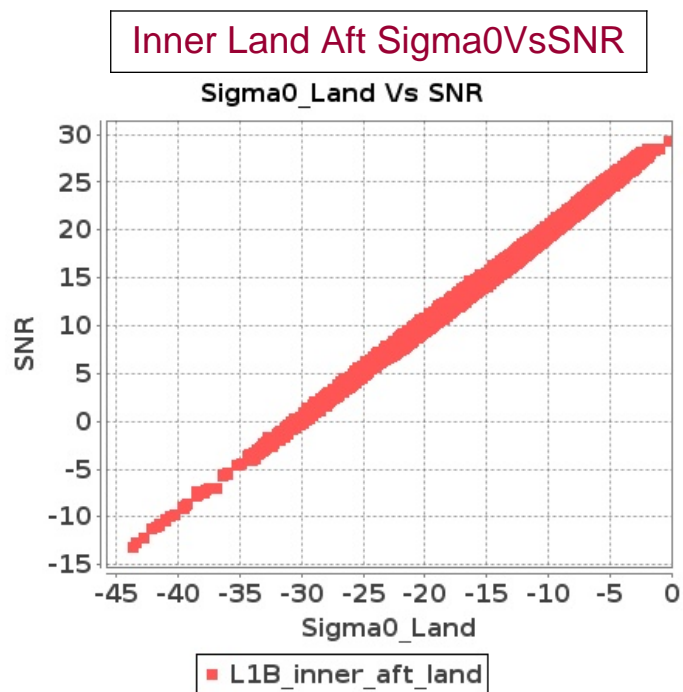
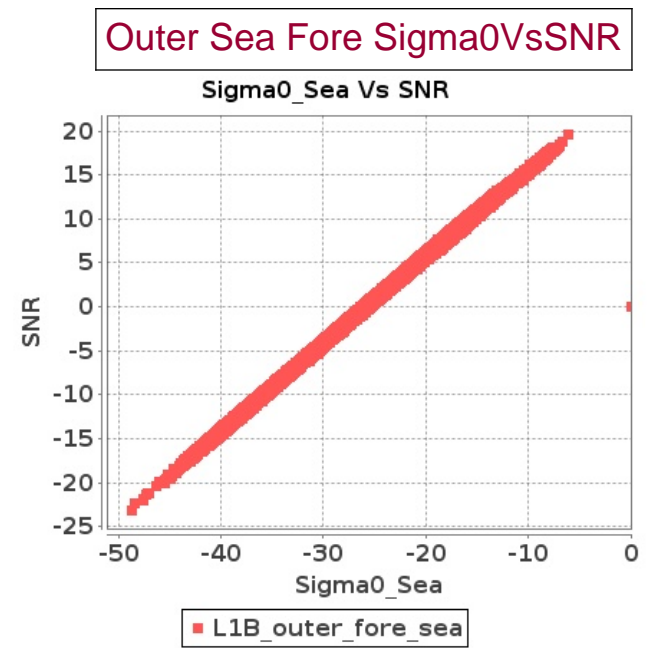
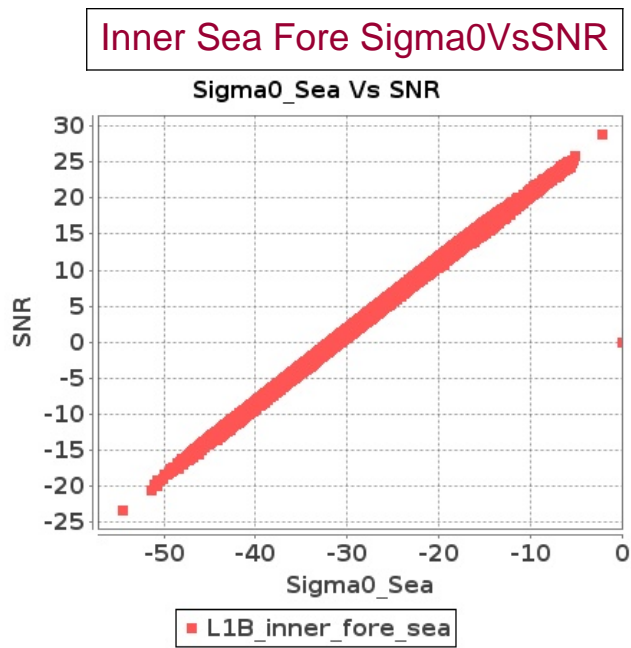
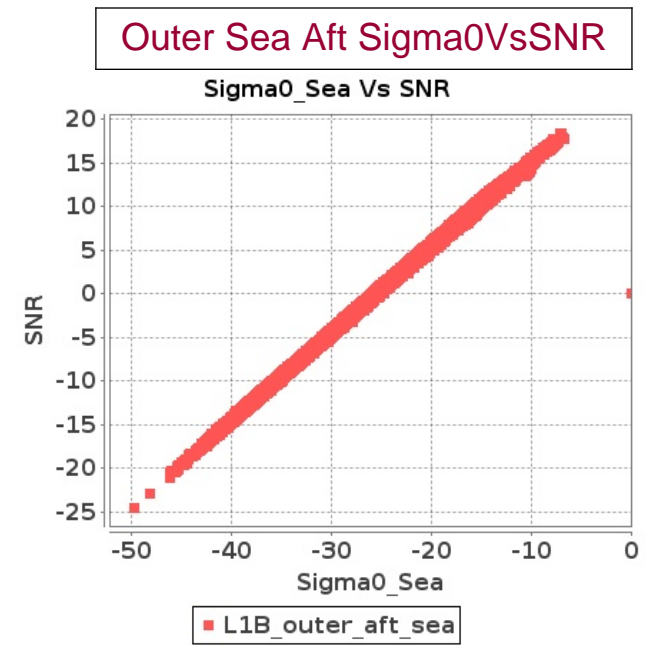
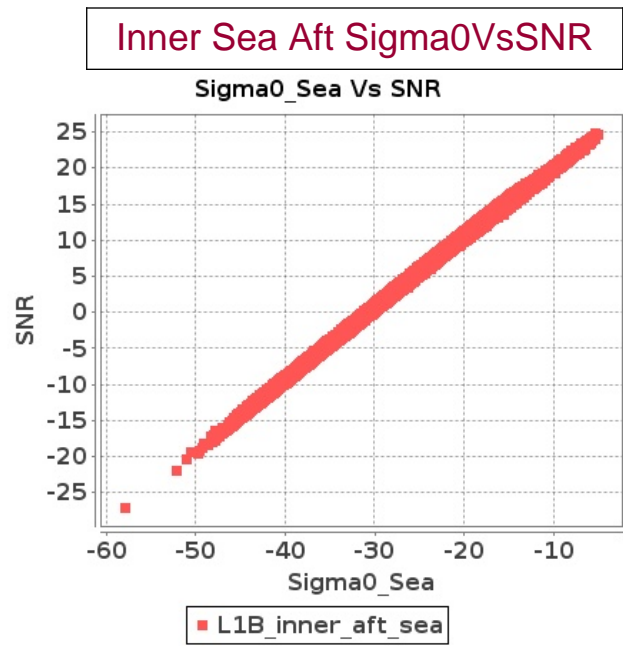
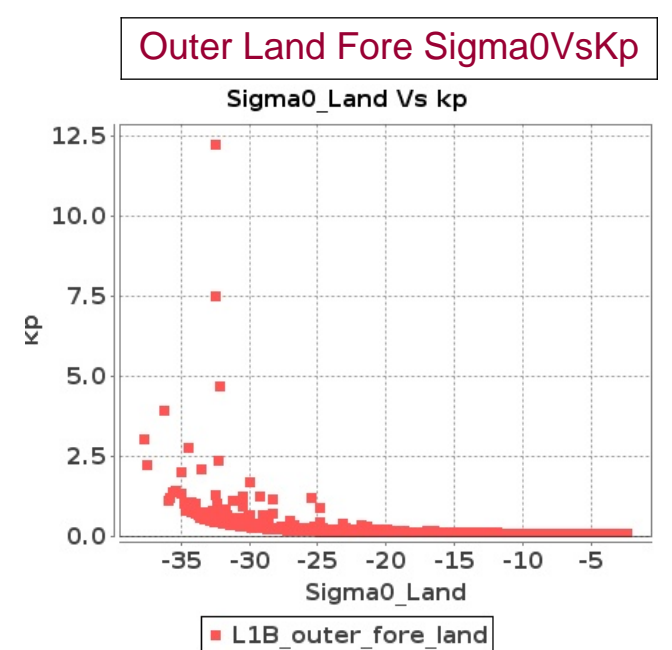
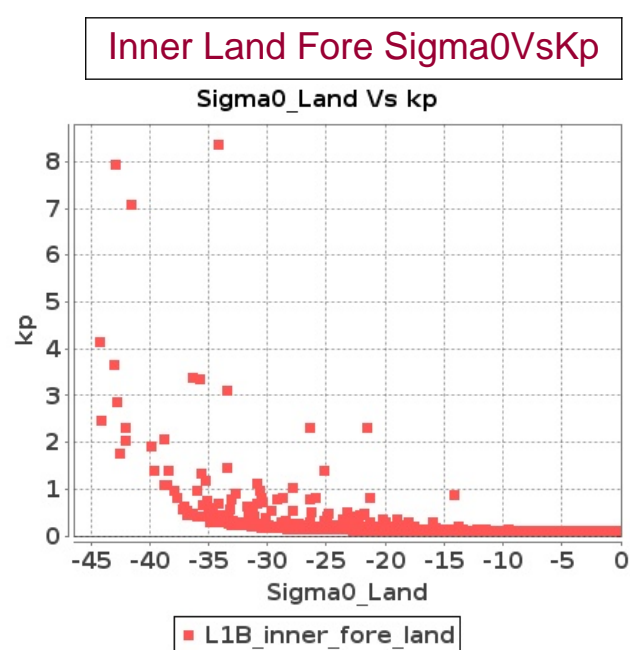
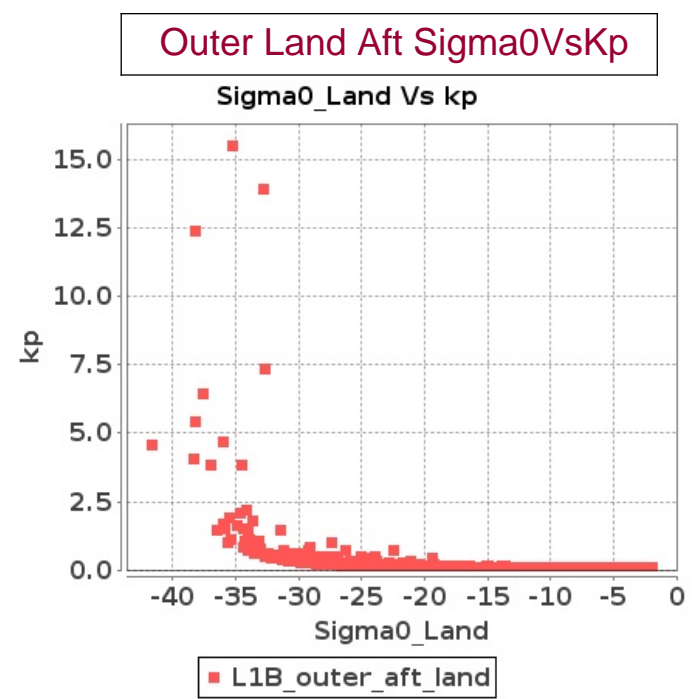
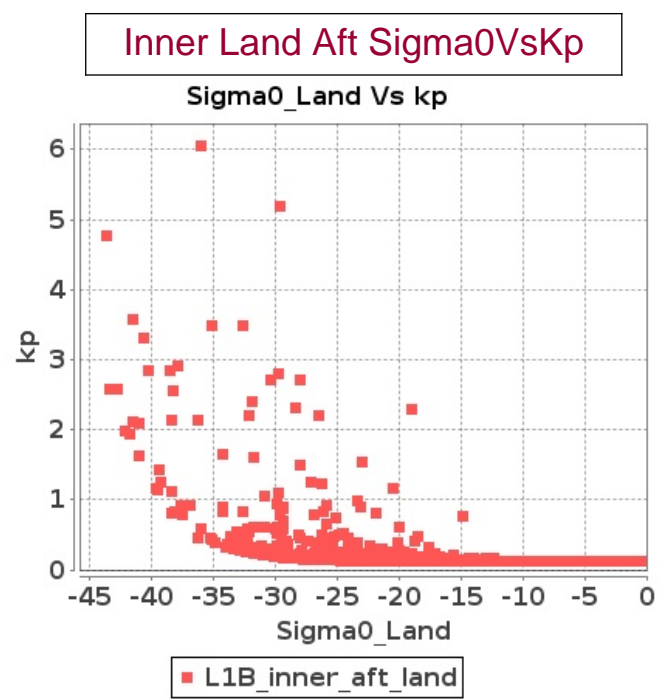
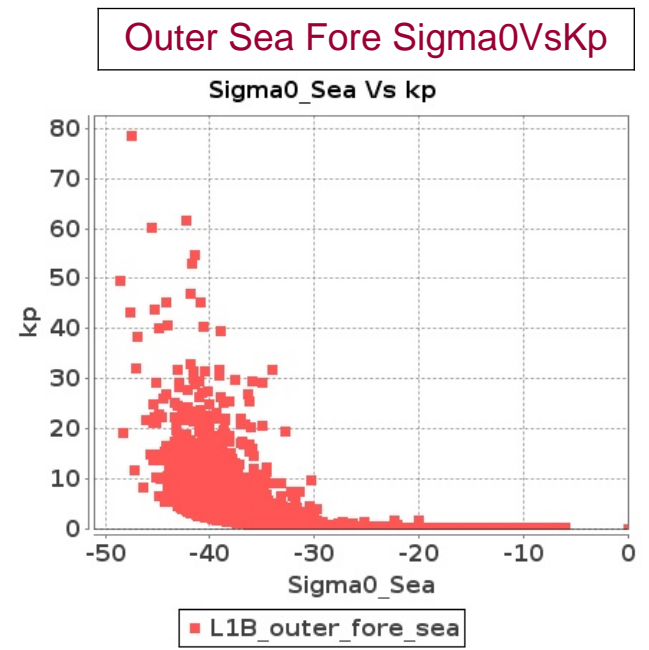
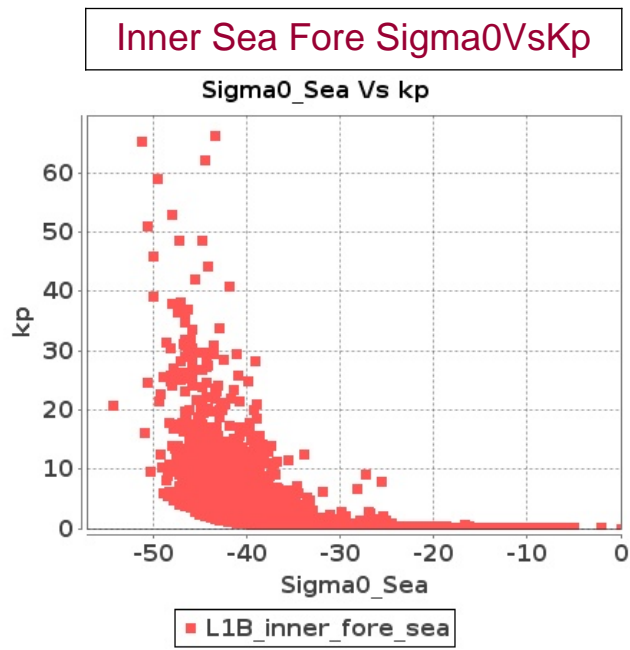
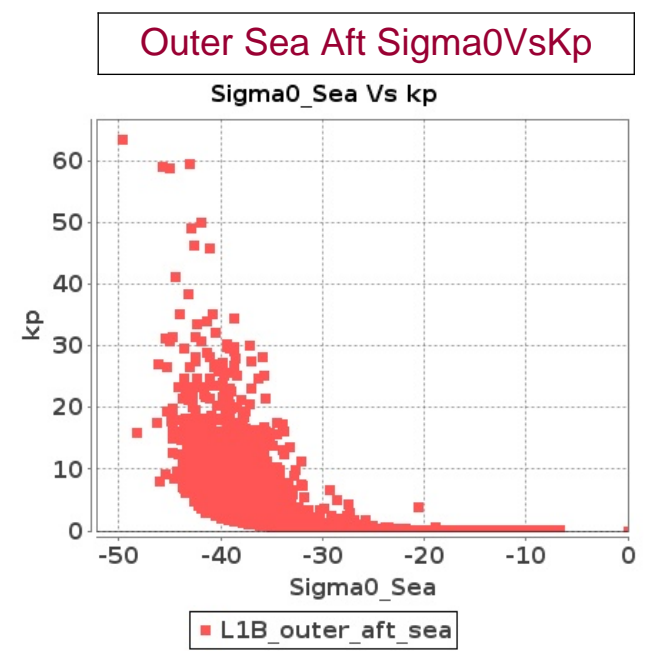
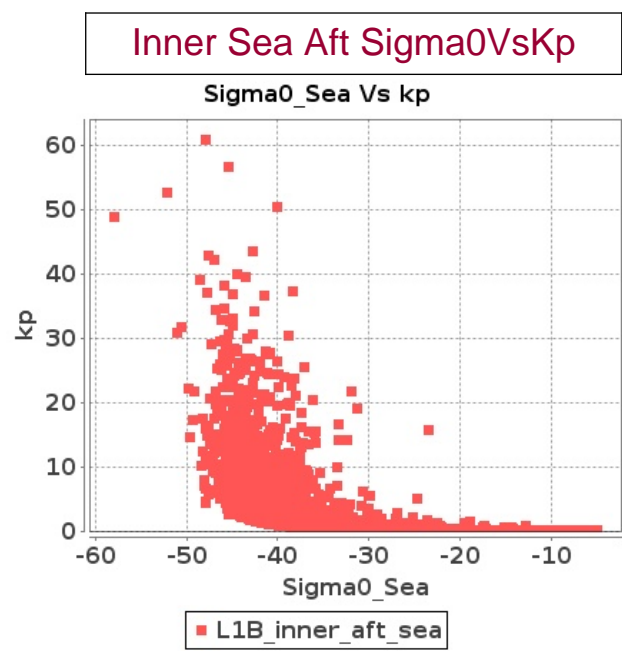


SCATSAT-1 Scatterometer Level-1B Data Quality Cycle wise Report

Report between 21-JAN-2019 To 22-JAN-2019





SCATSAT-1 Scatterometer Level-1B Data Quality Cycle wise Report

Report between 21-JAN-2019 To 22-JAN-2019

| | | | | | Inner | | | | | | | | | | | |
|-------|-------------|-----------|------|------|-----------------|--------|-----------|---------------|---------|-----------|----------|----------|-----------|----------|---------|-----------|
| | | | | | Incidence Angle | | | Azimuth Angle | | | Range | | | X-Factor | | |
| Sr No | Start Orbit | End Orbit | Dir. | Ver. | Min | Max | BadOcc(%) | Min | Max | BadOcc(%) | Min | Max | BadOcc(%) | Min | Max | BadOcc(%) |
| 1 | 12278 | 12279 | SN | 1 | 48.817 | 49.551 | 0.0 | 0.003 | 214.567 | 2.05 | 1042.712 | 1095.472 | 0.0 | -91.821 | -89.982 | 0.0 |
| 2 | 12278 | 12279 | SN | 1 | 48.816 | 49.571 | 0.0 | 0.0 | 35.081 | 2.733 | 1040.592 | 1095.456 | 0.0 | -91.801 | -89.954 | 0.0 |
| 3 | 12278 | 12279 | SN | 2 | 48.817 | 49.551 | 0.0 | 0.003 | 214.567 | 2.05 | 1042.712 | 1095.472 | 0.0 | -91.821 | -89.982 | 0.0 |
| 4 | 12278 | 12279 | SN | 2 | 48.817 | 49.551 | 0.0 | 0.0 | 214.567 | 2.729 | 1040.592 | 1095.472 | 0.0 | -91.821 | -89.954 | 0.0 |
| 5 | 12279 | 12280 | SN | 1 | 48.816 | 49.521 | 0.0 | 0.0 | 280.736 | 2.748 | 1041.24 | 1095.424 | 0.0 | -91.803 | -89.961 | 0.0 |
| 6 | 12279 | 12280 | SN | 1 | 48.816 | 49.521 | 0.0 | 0.0 | 280.736 | 2.772 | 1041.232 | 1095.424 | 0.0 | -91.774 | -89.961 | 0.0 |
| 7 | 12279 | 12280 | SN | 1 | 48.816 | 49.521 | 0.0 | 0.0 | 280.736 | 2.761 | 1041.232 | 1095.424 | 0.0 | -91.803 | -89.961 | 0.0 |
| 8 | 12279 | 12280 | NS | 1 | 48.622 | 49.329 | 0.0 | 0.003 | 267.544 | 2.737 | 1016.488 | 1092.104 | 24.437 | -91.552 | -89.695 | 0.0 |
| 9 | 12280 | 12281 | SN | 2 | 48.746 | 49.544 | 0.0 | 0.003 | 29.585 | 2.39 | 1040.936 | 1095.584 | 0.0 | -91.931 | -89.959 | 0.0 |
| 10 | 12280 | 12281 | NS | 1 | 48.623 | 49.33 | 0.0 | 0.003 | 18.663 | 2.578 | 1016.656 | 1092.336 | 25.486 | -91.559 | -89.645 | 0.0 |
| 11 | 12280 | 12281 | SN | 1 | 48.746 | 49.544 | 0.0 | 0.003 | 29.585 | 2.39 | 1040.936 | 1095.584 | 0.0 | -91.931 | -89.959 | 0.0 |
| 12 | 12280 | 12281 | NS | 1 | 48.611 | 49.33 | 0.0 | 0.003 | 18.663 | 2.576 | 1015.752 | 1092.32 | 25.547 | -91.559 | -89.645 | 0.0 |
| 13 | 12280 | 12281 | SN | 1 | 48.746 | 49.544 | 0.0 | 0.003 | 29.585 | 2.517 | 1040.368 | 1095.584 | 0.0 | -91.931 | -89.953 | 0.0 |
| 14 | 12281 | 12282 | SN | 1 | 48.813 | 49.536 | 0.0 | 0.003 | 6.69 | 2.547 | 1040.288 | 1095.504 | 0.0 | -91.918 | -89.946 | 0.0 |
| 15 | 12281 | 12282 | SN | 2 | 48.813 | 49.536 | 0.0 | 0.003 | 6.69 | 2.547 | 1040.288 | 1095.504 | 0.0 | -91.918 | -89.946 | 0.0 |
| 16 | 12281 | 12282 | SN | 1 | 48.813 | 49.536 | 0.0 | 0.003 | 6.69 | 2.34 | 1041.176 | 1095.504 | 0.0 | -91.918 | -89.963 | 0.0 |
| 17 | 12281 | 12282 | NS | 1 | 48.624 | 49.376 | 0.0 | 0.003 | 267.141 | 2.612 | 1016.376 | 1092.352 | 25.169 | -91.833 | -89.701 | 0.0 |
| 18 | 12281 | 12282 | NS | 1 | 48.624 | 49.345 | 0.0 | 0.003 | 267.141 | 2.61 | 1016.816 | 1092.352 | 25.242 | -91.822 | -89.701 | 0.0 |
| 19 | 12282 | 12283 | NS | 1 | 48.624 | 49.378 | 0.0 | 0.0 | 210.651 | 3.09 | 1016.888 | 1092.28 | 25.092 | -91.746 | -89.706 | 0.0 |
| 20 | 12282 | 12283 | NS | 1 | 48.614 | 49.381 | 0.0 | 0.0 | 267.549 | 3.088 | 1016.024 | 1092.288 | 25.104 | -91.742 | -89.706 | 0.0 |
| 21 | 12282 | 12283 | SN | 1 | 48.744 | 49.58 | 0.0 | 0.0 | 11.14 | 2.403 | 1040.296 | 1095.408 | 0.0 | -91.919 | -89.951 | 0.0 |
| 22 | 12282 | 12283 | SN | 2 | 48.744 | 49.58 | 0.0 | 0.0 | 11.14 | 2.403 | 1040.296 | 1095.408 | 0.0 | -91.919 | -89.951 | 0.0 |
| 23 | 12282 | 12283 | SN | 1 | 48.766 | 49.58 | 0.0 | 0.0 | 11.14 | 2.401 | 1040.296 | 1095.408 | 0.0 | -91.919 | -89.951 | 0.0 |
| 24 | 12283 | 12284 | SN | 1 | 48.578 | 49.519 | 0.0 | 0.0 | 280.929 | 2.623 | 1038.84 | 1095.744 | 0.0 | -94.339 | -89.948 | 0.0 |
| 25 | 12283 | 12284 | NS | 1 | 48.56 | 49.33 | 0.0 | 0.003 | 6.712 | 2.574 | 1016.888 | 1092.264 | 25.509 | -91.497 | -89.698 | 0.0 |
| 26 | 12283 | 12284 | SN | 1 | 48.578 | 49.519 | 0.0 | 0.0 | 280.929 | 2.06 | 1038.84 | 1095.744 | 0.0 | -94.339 | -89.974 | 0.0 |
| 27 | 12283 | 12284 | NS | 2 | 48.56 | 49.33 | 0.0 | 0.003 | 6.712 | 2.574 | 1016.888 | 1092.264 | 25.509 | -91.497 | -89.698 | 0.0 |
| 28 | 12284 | 12285 | SN | 1 | 48.81 | 49.517 | 0.0 | 0.003 | 214.969 | 1.911 | 1041.576 | 1095.36 | 0.0 | -91.857 | -89.967 | 0.0 |
| 29 | 12284 | 12285 | NS | 1 | 48.626 | 49.345 | 0.0 | 0.003 | 41.624 | 2.244 | 1016.848 | 1092.208 | 26.134 | -91.591 | -89.712 | 0.0 |
| 30 | 12284 | 12285 | SN | 1 | 48.81 | 49.517 | 0.0 | 0.003 | 214.969 | 1.896 | 1041.568 | 1095.36 | 0.0 | -91.857 | -89.967 | 0.0 |
| 31 | 12285 | 12286 | NS | 1 | 48.557 | 49.35 | 0.0 | 0.0 | 210.221 | 2.886 | 1016.632 | 1092.4 | 26.617 | -92.752 | -89.713 | 0.0 |
| 32 | 12285 | 12286 | SN | 1 | 48.813 | 49.521 | 0.0 | 0.0 | 229.407 | 1.57 | 1042.488 | 1095.96 | 0.0 | -91.957 | -89.996 | 0.0 |

| Parameter Specifications | Parameters | Inc.Angle | Azi. Angle | Range | X-Factor |
|--------------------------|------------|-----------|------------|--------|----------|
| | Min | 47.1 | 0.0 | 1025.0 | -100.0 |
| | Max | 49.9 | 0.0 | 1095.7 | -80.0 |

Normal
 Deviations
 Alarming
 High Errors

| | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|--------|---------|---------|-----|
| 33 | 12288 | 12289 | SN | 1 | 48.769 | 49.521 | 0.0 | 0.003 | 6.679 | 2.609 | 1040.096 | 1095.688 | 0.0 | -91.714 | -89.934 | 0.0 |
| 34 | 12289 | 12290 | NS | 1 | 48.565 | 49.318 | 0.0 | 0.0 | 199.235 | 2.711 | 1016.712 | 1091.04 | 26.676 | -91.601 | -89.704 | 0.0 |
| 35 | 12289 | 12290 | SN | 1 | 48.812 | 49.585 | 0.0 | 0.0 | 100.39 | 2.749 | 1039.904 | 1095.8 | 0.169 | -91.848 | -89.943 | 0.0 |
| 36 | 12289 | 12290 | NS | 1 | 48.565 | 49.333 | 0.0 | 0.0 | 199.235 | 2.921 | 1016.712 | 1092.648 | 26.127 | -91.601 | -89.704 | 0.0 |
| 37 | 12290 | 12291 | NS | 1 | 48.622 | 49.327 | 0.0 | 0.0 | 266.501 | 2.806 | 1016.52 | 1092.472 | 27.478 | -91.904 | -89.712 | 0.0 |
| 38 | 12290 | 12291 | SN | 1 | 48.747 | 49.585 | 0.0 | 0.0 | 200.007 | 2.686 | 1039.736 | 1095.872 | 0.345 | -92.812 | -89.947 | 0.0 |
| 39 | 12291 | 12292 | NS | 1 | 48.574 | 49.355 | 0.0 | 0.003 | 264.582 | 2.455 | 1015.496 | 1092.816 | 27.338 | -91.771 | -89.71 | 0.0 |
| 40 | 12291 | 12292 | SN | 1 | 48.812 | 49.584 | 0.0 | 0.003 | 214.87 | 2.459 | 1039.568 | 1096.016 | 0.684 | -91.971 | -89.945 | 0.0 |
| 41 | 12292 | 12293 | SN | 1 | 48.792 | 49.486 | 0.0 | 0.0 | 214.908 | 2.532 | 1039.768 | 1078.288 | 0.0 | -92.274 | -89.948 | 0.0 |
| 42 | 12292 | 12293 | SN | 1 | 48.793 | 49.486 | 0.0 | 0.0 | 214.908 | 0.899 | 1042.136 | 1078.288 | 0.0 | -92.274 | -89.986 | 0.0 |
| 43 | 12292 | 12293 | NS | 1 | 48.566 | 49.32 | 0.0 | 0.003 | 210.596 | 2.347 | 1015.384 | 1092.192 | 27.267 | -91.792 | -89.712 | 0.0 |
| 44 | 12292 | 12293 | SN | 1 | 48.802 | 49.556 | 0.0 | 0.0 | 214.908 | 3.014 | 1039.768 | 1096.12 | 0.998 | -92.274 | -89.948 | 0.0 |
| 45 | 12293 | 12294 | SN | 1 | 48.81 | 49.585 | 0.0 | 0.003 | 6.695 | 2.476 | 1040.776 | 1095.944 | 0.502 | -91.888 | -89.96 | 0.0 |
| 46 | 12294 | 12295 | SN | 1 | 48.772 | 49.556 | 0.0 | 0.0 | 146.677 | 2.731 | 1040.136 | 1096.128 | 0.866 | -91.945 | -89.951 | 0.0 |
| 47 | 12294 | 12295 | SN | 1 | 48.81 | 49.558 | 0.0 | 0.0 | 146.677 | 2.71 | 1040.184 | 1096.144 | 0.896 | -91.945 | -89.953 | 0.0 |
| 48 | 12294 | 12295 | SN | 1 | 48.772 | 49.556 | 0.0 | 0.0 | 146.677 | 2.708 | 1040.184 | 1096.128 | 0.868 | -91.945 | -89.954 | 0.0 |
| 49 | 12295 | 12296 | SN | 1 | 48.781 | 49.582 | 0.0 | 0.0 | 205.991 | 2.586 | 1040.272 | 1096.168 | 1.008 | -91.939 | -89.949 | 0.0 |
| 50 | 12296 | 12297 | SN | 1 | 48.796 | 49.574 | 0.0 | 0.0 | 78.71 | 2.336 | 1040.512 | 1096.088 | 0.79 | -91.928 | -89.954 | 0.0 |
| 51 | 12296 | 12297 | SN | 1 | 48.796 | 49.574 | 0.0 | 0.0 | 78.71 | 2.614 | 1039.4 | 1096.08 | 0.763 | -91.928 | -89.939 | 0.0 |
| 52 | 12296 | 12297 | SN | 1 | 48.796 | 49.574 | 0.0 | 0.0 | 78.71 | 2.616 | 1039.4 | 1096.088 | 0.775 | -91.928 | -89.939 | 0.0 |
| 53 | 12297 | 12298 | SN | 1 | 48.805 | 49.566 | 0.0 | 0.003 | 29.547 | 2.087 | 1041.072 | 1096.064 | 0.745 | -91.901 | -89.964 | 0.0 |
| 54 | 12298 | 12299 | SN | 1 | 48.8 | 49.519 | 0.0 | 0.003 | 4.964 | 2.193 | 1040.248 | 1095.952 | 0.479 | -91.842 | -89.953 | 0.0 |
| 55 | 12299 | 12300 | SN | 1 | 48.795 | 49.539 | 0.0 | 0.003 | 5.592 | 2.443 | 1039.304 | 1096.048 | 0.712 | -91.933 | -89.941 | 0.0 |
| 56 | 12300 | 12301 | SN | 1 | 48.804 | 49.554 | 0.0 | 0.003 | 4.919 | 2.148 | 1040.32 | 1096.232 | 1.139 | -91.834 | -89.954 | 0.0 |
| 57 | 12300 | 12301 | NS | 1 | 48.624 | 49.381 | 0.0 | 0.003 | 264.852 | 2.368 | 1016.88 | 1093.264 | 26.309 | -91.852 | -89.716 | 0.0 |
| 58 | 12301 | 12302 | SN | 1 | 48.81 | 49.385 | 0.0 | 0.008 | 6.442 | 7.454 | 1039.496 | 1095.152 | 0.0 | -91.411 | -89.916 | 0.0 |
| 59 | 12301 | 12302 | SN | 1 | 48.809 | 49.55 | 0.0 | 0.003 | 6.442 | 2.497 | 1039.984 | 1096.336 | 1.463 | -91.82 | -89.926 | 0.0 |
| 60 | 12301 | 12302 | SN | 2 | 48.809 | 49.55 | 0.0 | 0.003 | 6.442 | 2.497 | 1039.984 | 1096.336 | 1.463 | -91.82 | -89.926 | 0.0 |
| 61 | 12302 | 12303 | SN | 1 | 48.808 | 49.548 | 0.0 | 0.0 | 280.201 | 1.706 | 1041.792 | 1096.248 | 1.427 | -93.994 | -89.981 | 0.0 |
| 62 | 12302 | 12303 | SN | 1 | 48.808 | 49.548 | 0.0 | 0.0 | 280.201 | 2.646 | 1039.312 | 1096.248 | 1.237 | -93.994 | -89.926 | 0.0 |
| 63 | 12303 | 12304 | SN | 1 | 48.784 | 49.552 | 0.0 | 0.0 | 191.244 | 2.807 | 1039.064 | 1096.36 | 1.511 | -91.907 | -89.922 | 0.0 |
| 64 | 12303 | 12304 | NS | 1 | 48.624 | 49.333 | 0.0 | 0.0 | 267.549 | 2.59 | 1017.064 | 1093.288 | 25.162 | -91.66 | -89.717 | 0.0 |
| 65 | 12304 | 12305 | SN | 1 | 48.805 | 49.566 | 0.0 | 0.003 | 281.138 | 1.583 | 1041.376 | 1096.44 | 1.975 | -91.952 | -89.988 | 0.0 |
| 66 | 12305 | 12306 | NS | 1 | 48.578 | 49.377 | 0.0 | 0.003 | 264.891 | 2.484 | 1015.848 | 1092.504 | 27.018 | -91.858 | -89.714 | 0.0 |
| 67 | 12306 | 12307 | SN | 1 | 48.805 | 49.526 | 0.0 | 0.003 | 215.372 | 1.561 | 1040.992 | 1096.664 | 2.434 | -91.9 | -89.969 | 0.0 |

| Parameter Specifications | Parameters | Inc.Angle | Azi. Angle | Range | X-Factor |
|--------------------------|------------|-----------|------------|--------|----------|
| | Min | 47.1 | 0.0 | 1025.0 | -100.0 |
| | Max | 49.9 | 0.0 | 1095.7 | -80.0 |

| | |
|--|---|
|  Normal |  Deviations |
|  Alarming |  High Errors |

| Inner | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-------------|-----------|---------|------|---------|----------|------------|---------|----------|------------|---------|-----------|------------|---------|---------|------------|-------|----------|------------|-------|----------|------------|-------|-----------|------------|-------|-------|------------|
| SNR | | | | | | | | | | | | | | | | | Kp | | | | | | | | | | | |
| | | | Sea Aft | | | Sea Fore | | | Land Aft | | | Land Fore | | | Sea Aft | | | Sea Fore | | | Land Aft | | | Land Fore | | | | |
| SrNo | Start Orbit | End Orbit | Dir. | Ver. | 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 | 12278 | 12279 | SN | 1 | -33.898 | 24.373 | 1.367 | -34.383 | 25.646 | 4.686 | -1.276 | 28.054 | 15.132 | -13.033 | 29.987 | 22.095 | 0.116 | 237.809 | 1.986 | 0.116 | 265.946 | 1.577 | 0.116 | 0.231 | 0.0 | 0.116 | 2.039 | 0.002 |
| 2 | 12278 | 12279 | SN | 1 | -33.653 | 24.755 | 3.237 | -34.636 | 25.643 | 5.627 | -1.276 | 28.598 | 15.253 | -12.923 | 29.987 | 22.089 | 0.116 | 224.837 | 1.88 | 0.116 | 281.866 | 1.429 | 0.116 | 0.231 | 0.0 | 0.116 | 1.99 | 0.002 |
| 3 | 12278 | 12279 | SN | 2 | -33.898 | 24.373 | 1.367 | -34.383 | 25.646 | 4.686 | -1.276 | 28.054 | 15.132 | -13.033 | 29.987 | 22.095 | 0.116 | 237.809 | 1.986 | 0.116 | 265.946 | 1.577 | 0.116 | 0.231 | 0.0 | 0.116 | 2.039 | 0.002 |
| 4 | 12278 | 12279 | SN | 2 | -33.898 | 24.754 | 3.238 | -34.383 | 25.642 | 5.635 | -1.276 | 28.598 | 15.252 | -13.033 | 29.987 | 22.093 | 0.116 | 237.809 | 1.884 | 0.116 | 265.946 | 1.428 | 0.116 | 0.231 | 0.0 | 0.116 | 2.039 | 0.002 |
| 5 | 12279 | 12280 | SN | 1 | -34.323 | 27.798 | 2.742 | -34.765 | 28.064 | 4.519 | -5.021 | 31.756 | 9.658 | -2.331 | 29.624 | 7.66 | 0.116 | 262.261 | 2.209 | 0.116 | 290.438 | 2.183 | 0.116 | 0.404 | 0.0 | 0.116 | 0.265 | 0.0 |
| 6 | 12279 | 12280 | SN | 1 | -34.317 | 27.798 | 2.791 | -34.065 | 28.064 | 4.544 | -5.024 | 31.756 | 9.701 | -2.331 | 29.624 | 7.688 | 0.116 | 261.872 | 2.201 | 0.116 | 247.15 | 2.176 | 0.116 | 0.404 | 0.0 | 0.116 | 0.265 | 0.0 |
| 7 | 12279 | 12280 | SN | 1 | -34.323 | 27.798 | 2.791 | -34.765 | 28.064 | 4.511 | -5.021 | 31.756 | 9.658 | -2.331 | 29.624 | 7.66 | 0.116 | 262.261 | 2.204 | 0.116 | 290.438 | 2.179 | 0.116 | 0.404 | 0.0 | 0.116 | 0.265 | 0.0 |
| 8 | 12279 | 12280 | NS | 1 | -34.184 | 24.545 | 0.683 | -34.481 | 24.172 | 0.066 | 1.533 | 34.631 | 17.641 | 1.908 | 36.383 | 34.12 | 0.116 | 253.968 | 1.254 | 0.116 | 271.955 | 1.029 | 0.116 | 0.174 | 0.0 | 0.116 | 0.168 | 0.0 |
| 9 | 12280 | 12281 | SN | 2 | -33.845 | 24.66 | 0.705 | -34.445 | 25.009 | 1.347 | 6.674 | 27.495 | 13.95 | 6.622 | 29.591 | 13.354 | 0.116 | 234.974 | 1.604 | 0.116 | 269.779 | 1.558 | 0.116 | 0.132 | 0.0 | 0.116 | 0.133 | 0.0 |
| 10 | 12280 | 12281 | NS | 1 | -34.598 | 25.824 | 0.572 | -34.894 | 25.572 | 0.528 | -2.995 | 29.526 | 10.632 | -5.736 | 30.408 | 21.77 | 0.116 | 279.396 | 1.944 | 0.116 | 299.059 | 1.875 | 0.116 | 0.292 | 0.0 | 0.116 | 0.458 | 0.0 |
| 11 | 12280 | 12281 | SN | 1 | -33.845 | 24.66 | 0.705 | -34.445 | 25.009 | 1.347 | 6.674 | 27.495 | 13.95 | 6.622 | 29.591 | 13.354 | 0.116 | 234.974 | 1.604 | 0.116 | 269.779 | 1.558 | 0.116 | 0.132 | 0.0 | 0.116 | 0.133 | 0.0 |
| 12 | 12280 | 12281 | NS | 1 | -34.533 | 25.824 | 0.571 | -33.768 | 25.572 | 0.528 | -2.995 | 29.526 | 10.635 | -5.736 | 30.408 | 21.769 | 0.116 | 275.279 | 1.944 | 0.116 | 230.822 | 1.867 | 0.116 | 0.292 | 0.0 | 0.116 | 0.458 | 0.0 |
| 13 | 12280 | 12281 | SN | 1 | -33.845 | 24.66 | 0.754 | -34.445 | 25.009 | 1.333 | 6.674 | 27.495 | 13.95 | 6.622 | 29.591 | 13.354 | 0.116 | 234.974 | 1.58 | 0.116 | 269.779 | 1.539 | 0.116 | 0.132 | 0.0 | 0.116 | 0.133 | 0.0 |
| 14 | 12281 | 12282 | SN | 1 | -34.643 | 24.22 | 0.095 | -34.971 | 25.037 | 0.163 | 6.224 | 27.515 | 18.675 | 6.601 | 28.05 | 18.824 | 0.116 | 282.388 | 1.426 | 0.116 | 304.532 | 1.257 | 0.116 | 0.134 | 0.0 | 0.116 | 0.133 | 0.0 |
| 15 | 12281 | 12282 | SN | 2 | -34.643 | 24.22 | 0.095 | -34.971 | 25.037 | 0.163 | 6.224 | 27.515 | 18.675 | 6.601 | 28.05 | 18.817 | 0.116 | 282.388 | 1.426 | 0.116 | 304.532 | 1.257 | 0.116 | 0.134 | 0.0 | 0.116 | 0.133 | 0.0 |
| 16 | 12281 | 12282 | SN | 1 | -34.643 | 24.22 | 0.095 | -34.971 | 25.037 | 0.165 | 6.224 | 27.515 | 18.739 | 6.601 | 28.05 | 18.795 | 0.116 | 282.388 | 1.45 | 0.116 | 304.532 | 1.276 | 0.116 | 0.134 | 0.0 | 0.116 | 0.133 | 0.0 |
| 17 | 12281 | 12282 | NS | 1 | -34.636 | 25.192 | 0.704 | -34.68 | 26.743 | 0.77 | -3.972 | 29.062 | 9.663 | -9.52 | 33.262 | 18.02 | 0.116 | 281.809 | 1.183 | 0.116 | 284.746 | 1.524 | 0.116 | 0.339 | 0.0 | 0.116 | 0.959 | 0.0 |
| 18 | 12281 | 12282 | NS | 1 | -34.926 | 25.192 | 0.702 | -33.368 | 26.743 | 0.769 | -3.972 | 29.062 | 9.665 | -9.52 | 33.262 | 18.018 | 0.116 | 301.318 | 1.177 | 0.116 | 210.584 | 1.52 | 0.116 | 0.339 | 0.0 | 0.116 | 0.959 | 0.0 |
| 19 | 12282 | 12283 | NS | 1 | -34.229 | 26.347 | 0.243 | -31.628 | 26.745 | 0.271 | -15.802 | 28.555 | 8.111 | -8.853 | 29.984 | 15.69 | 0.116 | 256.612 | 1.623 | 0.116 | 141.048 | 1.602 | 0.116 | 3.775 | 0.003 | 0.116 | 0.836 | 0.0 |
| 20 | 12282 | 12283 | NS | 1 | -33.848 | 26.347 | 0.243 | -34.755 | 26.745 | 0.272 | -15.778 | 28.555 | 8.112 | -8.856 | 29.984 | 15.684 | 0.116 | 235.161 | 1.626 | 0.116 | 289.721 | 1.605 | 0.116 | 3.754 | 0.003 | 0.116 | 0.837 | 0.0 |
| 21 | 12282 | 12283 | SN | 1 | -34.789 | 21.948 | 0.0 | -34.752 | 22.941 | 0.014 | 5.758 | 27.964 | 19.696 | 7.079 | 28.623 | 30.438 | 0.116 | 291.993 | 4.169 | 0.116 | 289.518 | 3.515 | 0.116 | 0.136 | 0.0 | 0.116 | 0.131 | 0.0 |
| 22 | 12282 | 12283 | SN | 2 | -34.789 | 21.948 | 0.0 | -34.752 | 22.941 | 0.014 | 5.758 | 27.964 | 19.696 | 7.079 | 28.623 | 30.438 | 0.116 | 291.993 | 4.169 | 0.116 | 289.518 | 3.515 | 0.116 | 0.136 | 0.0 | 0.116 | 0.131 | 0.0 |
| 23 | 12282 | 12283 | SN | 1 | -34.789 | 21.948 | 0.0 | -34.752 | 22.941 | 0.014 | 5.758 | 27.964 | 19.702 | 7.079 | 28.623 | 30.427 | 0.116 | 291.993 | 4.163 | 0.116 | 289.518 | 3.513 | 0.116 | 0.136 | 0.0 | 0.116 | 0.131 | 0.0 |
| 24 | 12283 | 12284 | SN | 1 | -33.636 | 22.636 | 0.01 | -34.533 | 23.131 | 0.032 | 5.235 | 27.658 | 23.142 | -3.248 | 28.465 | 38.696 | 0.116 | 223.933 | 3.037 | 0.116 | 275.294 | 2.429 | 0.116 | 0.139 | 0.0 | 0.116 | 0.303 | 0.0 |
| 25 | 12283 | 12284 | NS | 1 | -34.55 | 22.97 | 0.068 | -33.587 | 23.741 | 0.14 | -6.13 | 28.734 | 9.535 | -2.412 | 30.764 | 16.424 | 0.116 | 276.357 | 2.122 | 0.116 | 221.421 | 1.468 | 0.116 | 0.492 | 0.0 | 0.116 | 0.268 | 0.0 |
| 26 | 12283 | 12284 | SN | 1 | -33.636 | 22.636 | 0.01 | -34.533 | 23.131 | 0.027 | 5.235 | 27.658 | 24.006 | -3.248 | 28.465 | 39.493 | 0.116 | 223.933 | 3.141 | 0.116 | 275.294 | 2.533 | 0.116 | 0.139 | 0.0 | 0.116 | 0.303 | 0.0 |
| 27 | 12283 | 12284 | NS | 2 | -34.55 | 22.97 | 0.068 | -33.587 | 23.741 | 0.14 | -6.13 | 28.734 | 9.535 | -2.412 | 30.764 | 16.424 | 0.116 | 276.357 | 2.122 | 0.116 | 221.421 | 1.468 | 0.116 | 0.492 | 0.0 | 0.116 | 0.268 | 0.0 |
| 28 | 12284 | 12285 | SN | 1 | -33.749 | 22.282 | 0.006 | -34.744 | 22.661 | 0.001 | 5.803 | 29.514 | 15.231 | 11.866 | 29.659 | 21.288 | 0.116 | 229.857 | 2.842 | 0.116 | 288.995 | 2.1 | 0.116 | 0.136 | 0.0 | 0.116 | 0.121 | 0.0 |
| 29 | 12284 | 12285 | NS | 1 | -32.804 | 27.617 | 0.958 | -33.675 | 28.023 | 1.309 | -6.172 | 29.621 | 13.092 | -6.898 | 30.663 | 19.537 | 0.116 | 184.861 | 1.73 | 0.116 | 225.933 | 1.867 | 0.116 | 0.496 | 0.0 | 0.116 | 0.568 | 0.0 |
| 30 | 12284 | 12285 | SN | 1 | -33.749 | 22.282 | 0.006 | -34.744 | 22.656 | 0.001 | 5.803 | 29.514 | 15.247 | 11.866 | 29.659 | 21.287 | 0.116 | 229.857 | 2.845 | 0.116 | 288.995 | 2.102 | 0.116 | 0.136 | 0.0 | 0.116 | 0.121 | 0.0 |
| 31 | 12285 | 12286 | NS | 1 | -33.336 | 27.769 | 1.641 | -34.96 | 29.229 | 2.09 | 5.986 | 31.722 | 12.07 | -9.498 | 29.873 | 23.172 | 0.116 | 208.953 | 2.195 | 0.116 | 303.724 | 2.082 | 0.116 | 0.135 | 0.0 | 0.116 | 0.955 | 0.0 |
| 32 | 12285 | 12286 | SN | 1 | -33.463 | 22.636 | 0.012 | -34.654 | 24.072 | 0.033 | 1.943 | 34.118 | 13.266 | 3.99 | 32.975 | 14.546 | 0.116 | 215.195 | 3.883 | 0.116 | 283.093 | 3.817 | 0.116 | 0.168 | 0.0 | 0.116 | 0.148 | 0.0 |
| 33 | 12288 | 12289 | SN | 1 | -34.622 | 23.567 | 0.085 | -34.131 | 25.227 | 1.793 | -12.28 | 28.983 | 16.999 | -10.62 | 29.839 | 19.296 | 0.116 | 280.921 | 2.56 | 0.116 | 250.931 | 2.027 | 0.116 | 1.729 | 0.008 | 0.116 | 1.209 | 0.007 |

| Parameter Specifications | Parameters | SNR | Kp |
|--------------------------|------------|-------|-----|
| | Min | -65.0 | 0.0 |
| | Max | 22.0 | 1.0 |

- Normal
- Deviations
- Alarming
- High Errors

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 34 | 12289 | 12290 | NS | 1 | -34.871 | 27.893 | 2.598 | -34.971 | 27.017 | 2.206 | 11.43 | 29.967 | 25.373 | 11.143 | 29.434 | 43.028 | 0.116 | 297.543 | 2.401 | 0.116 | 304.49 | 2.092 | 0.116 | 0.121 | 0.0 | 0.116 | 0.122 | 0.0 |
| 35 | 12289 | 12290 | SN | 1 | -31.274 | 25.462 | 0.583 | -34.668 | 25.691 | 4.28 | -19.073 | 32.2 | 15.165 | -23.644 | 30.049 | 16.728 | 0.116 | 130.024 | 1.269 | 0.116 | 283.926 | 1.044 | 0.116 | 7.917 | 0.009 | 0.116 | 22.517 | 0.007 |
| 36 | 12289 | 12290 | NS | 1 | -34.871 | 27.893 | 2.597 | -34.645 | 27.017 | 2.206 | 11.397 | 29.967 | 29.733 | 11.14 | 29.434 | 44.528 | 0.116 | 297.543 | 2.405 | 0.116 | 282.493 | 2.091 | 0.116 | 0.121 | 0.0 | 0.116 | 0.122 | 0.0 |
| 37 | 12290 | 12291 | NS | 1 | -34.592 | 27.385 | 2.04 | -34.546 | 25.676 | 1.267 | 6.45 | 28.615 | 32.174 | -7.218 | 29.429 | 44.486 | 0.116 | 279.056 | 3.859 | 0.116 | 276.088 | 3.458 | 0.116 | 0.133 | 0.0 | 0.116 | 0.604 | 0.0 |
| 38 | 12290 | 12291 | SN | 1 | -34.86 | 24.796 | 0.47 | -34.81 | 26.154 | 3.72 | -8.32 | 29.8 | 22.638 | -9.543 | 29.955 | 25.166 | 0.116 | 296.824 | 2.984 | 0.116 | 293.451 | 2.696 | 0.116 | 0.751 | 0.0 | 0.116 | 0.964 | 0.0 |
| 39 | 12291 | 12292 | NS | 1 | -34.885 | 26.069 | 1.737 | -34.077 | 26.516 | 0.424 | 8.186 | 28.889 | 31.374 | 8.204 | 30.198 | 42.579 | 0.116 | 298.428 | 4.185 | 0.116 | 247.826 | 3.689 | 0.116 | 0.127 | 0.0 | 0.116 | 0.127 | 0.0 |
| 40 | 12291 | 12292 | SN | 1 | -34.963 | 26.029 | 0.548 | -34.547 | 26.231 | 2.786 | 7.66 | 29.468 | 40.606 | 7.564 | 30.286 | 52.837 | 0.116 | 303.894 | 2.445 | 0.116 | 276.163 | 1.971 | 0.116 | 0.129 | 0.0 | 0.116 | 0.129 | 0.0 |
| 41 | 12292 | 12293 | SN | 1 | -34.652 | 24.706 | 1.37 | -34.758 | 26.026 | 5.495 | 2.052 | 27.769 | 11.081 | 6.04 | 28.451 | 23.191 | 0.116 | 282.986 | 2.226 | 0.116 | 289.905 | 0.995 | 0.116 | 0.167 | 0.0 | 0.116 | 0.135 | 0.0 |
| 42 | 12292 | 12293 | SN | 1 | -34.652 | 22.184 | 0.002 | -34.758 | 24.975 | 0.381 | 2.052 | 27.75 | 9.253 | 6.04 | 28.442 | 22.798 | 0.116 | 282.986 | 2.336 | 0.116 | 289.905 | 1.173 | 0.116 | 0.167 | 0.0 | 0.116 | 0.135 | 0.0 |
| 43 | 12292 | 12293 | NS | 1 | -34.507 | 26.084 | 1.753 | -34.275 | 26.83 | 0.268 | 7.175 | 29.064 | 17.907 | 6.114 | 29.45 | 28.22 | 0.116 | 287.758 | 3.234 | 0.116 | 259.378 | 3.067 | 0.116 | 0.13 | 0.0 | 0.116 | 0.135 | 0.0 |
| 44 | 12292 | 12293 | SN | 1 | -34.665 | 24.709 | 0.856 | -34.456 | 26.027 | 3.183 | 2.05 | 27.836 | 18.399 | 6.037 | 29.047 | 25.816 | 0.116 | 283.76 | 2.611 | 0.116 | 270.484 | 1.877 | 0.116 | 0.167 | 0.0 | 0.116 | 0.135 | 0.0 |
| 45 | 12293 | 12294 | SN | 1 | -34.578 | 24.989 | 1.714 | -34.604 | 25.988 | 5.707 | -22.761 | 35.062 | 13.557 | -9.436 | 30.018 | 18.393 | 0.116 | 278.195 | 1.723 | 0.116 | 279.882 | 1.463 | 0.116 | 18.385 | 0.011 | 0.116 | 0.943 | 0.0 |
| 46 | 12294 | 12295 | SN | 1 | -34.117 | 25.64 | 2.471 | -34.348 | 26.437 | 3.761 | 3.173 | 28.705 | 9.602 | 4.228 | 29.802 | 7.958 | 0.116 | 250.171 | 3.625 | 0.116 | 263.813 | 3.621 | 0.116 | 0.154 | 0.0 | 0.116 | 0.146 | 0.0 |
| 47 | 12294 | 12295 | SN | 1 | -33.754 | 25.639 | 2.451 | -34.652 | 26.437 | 3.777 | 3.173 | 28.705 | 9.609 | 4.228 | 29.802 | 7.964 | 0.116 | 230.032 | 3.646 | 0.116 | 282.928 | 3.62 | 0.116 | 0.154 | 0.0 | 0.116 | 0.146 | 0.0 |
| 48 | 12294 | 12295 | SN | 1 | -34.117 | 25.64 | 2.446 | -34.348 | 26.437 | 3.771 | 3.173 | 28.705 | 9.606 | 4.228 | 29.802 | 7.96 | 0.116 | 250.171 | 3.638 | 0.116 | 263.813 | 3.633 | 0.116 | 0.154 | 0.0 | 0.116 | 0.146 | 0.0 |
| 49 | 12295 | 12296 | SN | 1 | -34.26 | 24.276 | 0.266 | -34.826 | 25.775 | 0.519 | 4.867 | 27.446 | 21.125 | 6.652 | 28.295 | 21.213 | 0.116 | 258.48 | 2.114 | 0.116 | 294.502 | 1.571 | 0.116 | 0.142 | 0.0 | 0.116 | 0.132 | 0.0 |
| 50 | 12296 | 12297 | SN | 1 | -34.914 | 25.165 | 0.179 | -34.954 | 25.388 | 0.206 | 5.528 | 27.31 | 17.179 | 6.739 | 27.944 | 18.861 | 0.116 | 300.546 | 2.923 | 0.116 | 303.297 | 2.121 | 0.116 | 0.138 | 0.0 | 0.116 | 0.132 | 0.0 |
| 51 | 12296 | 12297 | SN | 1 | -34.914 | 25.165 | 0.175 | -34.849 | 25.388 | 0.203 | 5.528 | 27.31 | 17.154 | 6.739 | 28.487 | 18.686 | 0.116 | 300.546 | 2.859 | 0.116 | 296.003 | 2.084 | 0.116 | 0.138 | 0.0 | 0.116 | 0.132 | 0.0 |
| 52 | 12296 | 12297 | SN | 1 | -34.914 | 25.165 | 0.175 | -34.954 | 25.388 | 0.202 | 5.528 | 27.31 | 17.154 | 6.739 | 28.488 | 18.694 | 0.116 | 300.546 | 2.858 | 0.116 | 303.297 | 2.084 | 0.116 | 0.138 | 0.0 | 0.116 | 0.132 | 0.0 |
| 53 | 12297 | 12298 | SN | 1 | -34.682 | 23.767 | 0.051 | -34.708 | 23.843 | 0.112 | 5.254 | 27.941 | 19.82 | 7.808 | 28.665 | 32.138 | 0.116 | 284.885 | 5.092 | 0.116 | 286.559 | 4.132 | 0.116 | 0.139 | 0.0 | 0.116 | 0.128 | 0.0 |
| 54 | 12298 | 12299 | SN | 1 | -34.57 | 22.359 | 0.001 | -34.988 | 23.326 | 0.009 | 5.079 | 27.791 | 22.062 | 13.527 | 27.272 | 33.975 | 0.116 | 277.632 | 3.54 | 0.116 | 305.641 | 2.965 | 0.116 | 0.14 | 0.0 | 0.116 | 0.119 | 0.0 |
| 55 | 12299 | 12300 | SN | 1 | -34.847 | 23.362 | 0.009 | -34.834 | 23.659 | 0.157 | 5.887 | 32.268 | 12.671 | 6.433 | 33.513 | 16.268 | 0.116 | 295.911 | 4.447 | 0.116 | 294.953 | 3.003 | 0.116 | 0.136 | 0.0 | 0.116 | 0.133 | 0.0 |
| 56 | 12300 | 12301 | SN | 1 | -34.606 | 25.254 | 0.409 | -34.767 | 26.211 | 0.499 | -3.468 | 30.23 | 14.243 | -4.331 | 30.748 | 14.965 | 0.116 | 279.929 | 1.852 | 0.116 | 290.517 | 1.886 | 0.116 | 0.313 | 0.0 | 0.116 | 0.359 | 0.0 |
| 57 | 12300 | 12301 | NS | 1 | -34.535 | 25.452 | 0.665 | -33.566 | 26.012 | 0.813 | 3.94 | 29.61 | 20.241 | 1.973 | 30.386 | 34.272 | 0.116 | 275.403 | 1.598 | 0.116 | 220.36 | 1.228 | 0.116 | 0.148 | 0.0 | 0.116 | 0.168 | 0.0 |
| 58 | 12301 | 12302 | SN | 1 | -27.782 | 22.053 | 0.02 | -29.496 | 25.38 | 4.72 | 8.694 | 27.382 | 11.329 | 11.697 | 29.963 | 36.266 | 0.116 | 58.246 | 0.193 | 0.116 | 86.372 | 0.317 | 0.116 | 0.126 | 0.0 | 0.116 | 0.121 | 0.0 |
| 59 | 12301 | 12302 | SN | 1 | -34.823 | 26.482 | 0.366 | -33.843 | 26.355 | 0.901 | -15.552 | 31.483 | 17.323 | -8.208 | 29.99 | 17.164 | 0.116 | 294.248 | 2.068 | 0.116 | 234.895 | 1.624 | 0.116 | 3.569 | 0.007 | 0.116 | 0.734 | 0.0 |
| 60 | 12301 | 12302 | SN | 2 | -34.823 | 26.482 | 0.366 | -33.843 | 26.355 | 0.904 | -15.552 | 31.483 | 17.323 | -8.208 | 29.99 | 17.164 | 0.116 | 294.248 | 2.069 | 0.116 | 234.895 | 1.624 | 0.116 | 3.569 | 0.007 | 0.116 | 0.734 | 0.0 |
| 61 | 12302 | 12303 | SN | 1 | -34.179 | 22.418 | 0.001 | -34.727 | 22.279 | 0.001 | -18.216 | 31.397 | 18.725 | -17.649 | 29.361 | 14.763 | 0.116 | 253.742 | 6.133 | 0.116 | 287.789 | 4.979 | 0.116 | 6.514 | 0.024 | 0.116 | 5.728 | 0.02 |
| 62 | 12302 | 12303 | SN | 1 | -34.179 | 23.328 | 0.017 | -34.727 | 25.284 | 1.264 | -18.216 | 31.397 | 17.827 | -17.649 | 29.641 | 19.639 | 0.116 | 253.742 | 5.412 | 0.116 | 287.789 | 4.257 | 0.116 | 6.514 | 0.021 | 0.116 | 5.728 | 0.018 |
| 63 | 12303 | 12304 | SN | 1 | -33.908 | 23.841 | 0.144 | -34.27 | 25.548 | 2.612 | -23.734 | 29.215 | 13.118 | -22.43 | 29.766 | 13.102 | 0.116 | 238.4 | 1.741 | 0.116 | 259.106 | 1.212 | 0.116 | 22.978 | 0.029 | 0.116 | 17.046 | 0.034 |
| 64 | 12303 | 12304 | NS | 1 | -34.125 | 25.577 | 2.257 | -32.587 | 25.515 | 1.546 | 5.327 | 30.543 | 20.834 | 4.949 | 31.947 | 31.948 | 0.116 | 250.585 | 1.3 | 0.116 | 175.882 | 1.375 | 0.116 | 0.139 | 0.0 | 0.116 | 0.141 | 0.0 |
| 65 | 12304 | 12305 | SN | 1 | -34.642 | 25.119 | 0.244 | -34.765 | 25.404 | 0.398 | -3.779 | 30.02 | 13.195 | -3.066 | 31.114 | 14.304 | 0.116 | 282.268 | 3.083 | 0.116 | 290.399 | 2.361 | 0.116 | 0.329 | 0.0 | 0.116 | 0.295 | 0.0 |
| 66 | 12305 | 12306 | NS | 1 | -34.903 | 25.096 | 1.867 | -34.962 | 26.445 | 0.976 | 8.187 | 28.68 | 29.624 | 8.343 | 30.021 | 42.827 | 0.116 | 299.704 | 3.62 | 0.116 | 303.811 | 3.178 | 0.116 | 0.127 | 0.0 | 0.116 | 0.127 | 0.0 |
| 67 | 12306 | 12307 | SN | 1 | -34.617 | 23.714 | 0.013 | -34.922 | 23.125 | 0.005 | 7.828 | 29.652 | 29.978 | 9.056 | 30.328 | 38.612 | 0.116 | 280.65 | 1.603 | 0.116 | 301.06 | 1.068 | 0.116 | 0.128 | 0.0 | 0.116 | 0.125 | 0.0 |

| | | | |
|--------------------------|------------|-------|-----|
| Parameter Specifications | Parameters | SNR | Kp |
| | Min | -65.0 | 0.0 |
| | Max | 22.0 | 1.0 |

Normal

Deviations

Alarming

High Errors

| | | | | | Outer | | | | | | | | | | | |
|-------|-------------|-----------|------|------|-----------------|--------|-----------|---------------|---------|-----------|----------|----------|-----------|----------|---------|-----------|
| | | | | | Incidence Angle | | | Azimuth Angle | | | Range | | | X-Factor | | |
| Sr No | Start Orbit | End Orbit | Dir. | Ver. | Min | Max | BadOcc(%) | Min | Max | BadOcc(%) | Min | Max | BadOcc(%) | Min | Max | BadOcc(%) |
| 1 | 12278 | 12279 | SN | 1 | 57.579 | 58.433 | 0.0 | 0.0 | 293.718 | 3.397 | 1221.832 | 1288.504 | 17.168 | -93.279 | -92.036 | 0.0 |
| 2 | 12278 | 12279 | SN | 1 | 57.578 | 58.416 | 0.0 | 0.0 | 293.657 | 3.915 | 1219.648 | 1288.472 | 16.541 | -93.279 | -92.008 | 0.0 |
| 3 | 12278 | 12279 | SN | 2 | 57.579 | 58.433 | 0.0 | 0.0 | 293.718 | 3.397 | 1221.832 | 1288.504 | 17.168 | -93.279 | -92.036 | 0.0 |
| 4 | 12278 | 12279 | SN | 2 | 57.579 | 58.433 | 0.0 | 0.0 | 293.718 | 3.919 | 1219.648 | 1288.504 | 16.531 | -93.279 | -92.008 | 0.0 |
| 5 | 12279 | 12280 | SN | 1 | 57.578 | 58.409 | 0.0 | 0.0 | 294.959 | 3.672 | 1220.424 | 1288.424 | 16.159 | -93.729 | -92.015 | 0.0 |
| 6 | 12279 | 12280 | SN | 1 | 57.578 | 58.409 | 0.0 | 0.0 | 294.959 | 3.687 | 1220.416 | 1288.424 | 16.219 | -93.729 | -92.015 | 0.0 |
| 7 | 12279 | 12280 | SN | 1 | 57.578 | 58.409 | 0.0 | 0.0 | 294.959 | 3.673 | 1220.416 | 1288.424 | 16.141 | -93.729 | -92.015 | 0.0 |
| 8 | 12279 | 12280 | NS | 1 | 57.355 | 58.205 | 0.0 | 0.0 | 294.942 | 3.816 | 1190.112 | 1283.496 | 43.866 | -93.473 | -91.745 | 0.0 |
| 9 | 12280 | 12281 | SN | 2 | 57.546 | 58.427 | 0.0 | 0.0 | 292.306 | 3.407 | 1220.056 | 1288.64 | 15.665 | -93.248 | -92.013 | 0.0 |
| 10 | 12280 | 12281 | NS | 1 | 57.345 | 58.206 | 0.0 | 0.0 | 297.534 | 3.656 | 1189.56 | 1283.776 | 45.967 | -93.42 | -91.707 | 0.0 |
| 11 | 12280 | 12281 | SN | 1 | 57.546 | 58.427 | 0.0 | 0.0 | 292.306 | 3.407 | 1220.056 | 1288.64 | 15.665 | -93.248 | -92.013 | 0.0 |
| 12 | 12280 | 12281 | NS | 1 | 57.346 | 58.206 | 0.0 | 0.0 | 299.409 | 3.651 | 1189.44 | 1283.752 | 46.006 | -93.42 | -91.707 | 0.0 |
| 13 | 12280 | 12281 | SN | 1 | 57.546 | 58.427 | 0.0 | 0.0 | 292.306 | 3.59 | 1219.392 | 1288.64 | 15.505 | -93.248 | -92.005 | 0.0 |
| 14 | 12281 | 12282 | SN | 1 | 57.574 | 58.439 | 0.0 | 0.0 | 286.03 | 3.585 | 1219.36 | 1288.528 | 15.641 | -93.278 | -92.004 | 0.0 |
| 15 | 12281 | 12282 | SN | 2 | 57.574 | 58.439 | 0.0 | 0.0 | 286.03 | 3.585 | 1219.368 | 1288.528 | 15.641 | -93.278 | -92.004 | 0.0 |
| 16 | 12281 | 12282 | SN | 1 | 57.567 | 58.439 | 0.0 | 0.0 | 286.03 | 3.396 | 1220.368 | 1288.528 | 15.856 | -93.278 | -92.019 | 0.0 |
| 17 | 12281 | 12282 | NS | 1 | 57.357 | 58.207 | 0.0 | 0.003 | 297.132 | 3.663 | 1190.376 | 1283.8 | 46.181 | -93.418 | -91.758 | 0.0 |
| 18 | 12281 | 12282 | NS | 1 | 57.357 | 58.207 | 0.0 | 0.003 | 297.132 | 3.659 | 1190.464 | 1283.8 | 46.236 | -93.418 | -91.758 | 0.0 |
| 19 | 12282 | 12283 | NS | 1 | 57.35 | 58.323 | 0.0 | 0.0 | 289.72 | 4.145 | 1189.784 | 1283.704 | 45.877 | -94.755 | -91.753 | 0.0 |
| 20 | 12282 | 12283 | NS | 1 | 57.349 | 58.323 | 0.0 | 0.0 | 289.686 | 4.135 | 1189.768 | 1283.72 | 45.896 | -94.755 | -91.753 | 0.0 |
| 21 | 12282 | 12283 | SN | 1 | 57.536 | 58.432 | 0.0 | 0.0 | 286.83 | 3.056 | 1219.304 | 1288.416 | 14.509 | -93.433 | -92.004 | 0.0 |
| 22 | 12282 | 12283 | SN | 2 | 57.536 | 58.432 | 0.0 | 0.0 | 286.83 | 3.056 | 1219.304 | 1288.416 | 14.509 | -93.433 | -92.004 | 0.0 |
| 23 | 12282 | 12283 | SN | 1 | 57.548 | 58.432 | 0.0 | 0.0 | 286.83 | 3.053 | 1219.304 | 1288.416 | 14.494 | -93.433 | -92.004 | 0.0 |
| 24 | 12283 | 12284 | SN | 1 | 57.439 | 58.413 | 0.0 | 0.0 | 297.611 | 3.49 | 1218.048 | 1288.376 | 15.519 | -95.724 | -92.001 | 0.0 |
| 25 | 12283 | 12284 | NS | 1 | 57.33 | 58.206 | 0.0 | 0.0 | 297.6 | 3.716 | 1189.664 | 1283.68 | 45.218 | -93.332 | -91.749 | 0.0 |
| 26 | 12283 | 12284 | SN | 1 | 57.439 | 58.413 | 0.0 | 0.0 | 294.744 | 3.067 | 1218.048 | 1288.376 | 16.104 | -95.724 | -92.028 | 0.0 |
| 27 | 12283 | 12284 | NS | 2 | 57.33 | 58.206 | 0.0 | 0.0 | 297.6 | 3.716 | 1189.664 | 1283.68 | 45.218 | -93.332 | -91.749 | 0.0 |
| 28 | 12284 | 12285 | SN | 1 | 57.571 | 58.411 | 0.0 | 0.003 | 11.923 | 2.814 | 1220.872 | 1289.072 | 14.321 | -93.367 | -92.019 | 0.0 |
| 29 | 12284 | 12285 | NS | 1 | 57.348 | 58.203 | 0.0 | 0.0 | 291.214 | 3.282 | 1189.984 | 1283.608 | 45.611 | -94.584 | -91.764 | 0.0 |
| 30 | 12284 | 12285 | SN | 1 | 57.571 | 58.411 | 0.0 | 0.003 | 11.923 | 2.804 | 1220.88 | 1289.072 | 14.335 | -93.367 | -92.02 | 0.0 |
| 31 | 12285 | 12286 | NS | 1 | 57.318 | 58.241 | 0.0 | 0.0 | 297.214 | 3.885 | 1190.272 | 1283.864 | 47.341 | -94.28 | -91.765 | 0.0 |
| 32 | 12285 | 12286 | SN | 1 | 57.574 | 58.43 | 0.0 | 0.0 | 293.018 | 2.514 | 1221.232 | 1288.92 | 17.658 | -93.267 | -92.05 | 0.0 |
| 33 | 12288 | 12289 | SN | 1 | 57.551 | 58.41 | 0.0 | 0.0 | 298.069 | 3.719 | 1219.056 | 1288.776 | 16.839 | -93.173 | -91.989 | 0.0 |
| 34 | 12289 | 12290 | NS | 1 | 57.33 | 58.187 | 0.0 | 0.0 | 291.22 | 3.341 | 1190.328 | 1281.984 | 46.246 | -93.387 | -91.757 | 0.0 |

| Parameter Specifications | Parameters | Inc.Angle | Azi. Angle | Range | X-Factor |
|--------------------------|------------|-----------|------------|--------|----------|
| | Min | 57.3 | 0.0 | 1210.0 | -100.0 |
| | Max | 58.9 | 0.0 | 1280.0 | -80.0 |

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| ■ Normal | ■ Deviations |
| ■ Alarming | ■ High Errors |

| | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|--------|---------|---------|-----|
| 35 | 12289 | 12290 | SN | 1 | 57.57 | 58.445 | 0.0 | 0.0 | 297.214 | 3.868 | 1218.864 | 1288.912 | 17.121 | -93.477 | -91.999 | 0.0 |
| 36 | 12289 | 12290 | NS | 1 | 57.33 | 58.21 | 0.0 | 0.0 | 291.22 | 4.012 | 1190.328 | 1284.16 | 47.312 | -93.387 | -91.757 | 0.0 |
| 37 | 12290 | 12291 | NS | 1 | 57.336 | 58.203 | 0.0 | 0.0 | 294.573 | 3.766 | 1189.888 | 1283.912 | 48.788 | -93.859 | -91.764 | 0.0 |
| 38 | 12290 | 12291 | SN | 1 | 57.537 | 58.518 | 0.0 | 0.0 | 296.139 | 3.606 | 1218.512 | 1291.328 | 16.303 | -95.872 | -91.999 | 0.0 |
| 39 | 12291 | 12292 | NS | 1 | 57.338 | 58.21 | 0.0 | 0.0 | 299.845 | 3.581 | 1189.208 | 1284.36 | 48.612 | -93.16 | -91.762 | 0.0 |
| 40 | 12291 | 12292 | SN | 1 | 57.572 | 58.439 | 0.0 | 0.0 | 294.986 | 3.212 | 1218.416 | 1289.176 | 16.042 | -93.81 | -91.998 | 0.0 |
| 41 | 12292 | 12293 | SN | 1 | 57.423 | 58.324 | 0.0 | 0.0 | 287.756 | 2.978 | 1218.664 | 1268.192 | 0.0 | -94.839 | -92.001 | 0.0 |
| 42 | 12292 | 12293 | SN | 1 | 57.423 | 58.324 | 0.0 | 0.0 | 195.727 | 1.572 | 1220.808 | 1268.192 | 0.0 | -94.839 | -92.039 | 0.0 |
| 43 | 12292 | 12293 | NS | 1 | 57.34 | 58.193 | 0.0 | 0.003 | 290.894 | 3.184 | 1189.32 | 1283.512 | 45.78 | -93.171 | -91.763 | 0.0 |
| 44 | 12292 | 12293 | SN | 1 | 57.423 | 58.427 | 0.0 | 0.0 | 287.756 | 4.109 | 1218.664 | 1289.296 | 18.234 | -94.839 | -92.001 | 0.0 |
| 45 | 12293 | 12294 | SN | 1 | 57.57 | 58.424 | 0.0 | 0.0 | 299.691 | 3.689 | 1219.808 | 1289.104 | 17.962 | -93.243 | -92.014 | 0.0 |
| 46 | 12294 | 12295 | SN | 1 | 57.569 | 58.442 | 0.0 | 0.0 | 298.808 | 3.769 | 1219.08 | 1289.288 | 16.357 | -94.556 | -92.005 | 0.0 |
| 47 | 12294 | 12295 | SN | 1 | 57.57 | 58.444 | 0.0 | 0.0 | 298.676 | 3.778 | 1219.144 | 1289.712 | 16.39 | -94.555 | -92.006 | 0.0 |
| 48 | 12294 | 12295 | SN | 1 | 57.569 | 58.442 | 0.0 | 0.0 | 298.764 | 3.771 | 1219.144 | 1289.288 | 16.39 | -94.556 | -92.006 | 0.0 |
| 49 | 12295 | 12296 | SN | 1 | 57.562 | 58.441 | 0.0 | 0.0 | 298.56 | 3.689 | 1219.28 | 1289.328 | 16.627 | -93.433 | -92.002 | 0.0 |
| 50 | 12296 | 12297 | SN | 1 | 57.535 | 58.421 | 0.0 | 0.0 | 298.378 | 3.268 | 1219.512 | 1289.208 | 15.933 | -93.951 | -92.006 | 0.0 |
| 51 | 12296 | 12297 | SN | 1 | 57.535 | 58.439 | 0.0 | 0.0 | 298.367 | 3.49 | 1218.208 | 1289.192 | 15.659 | -93.951 | -91.992 | 0.0 |
| 52 | 12296 | 12297 | SN | 1 | 57.535 | 58.421 | 0.0 | 0.0 | 298.378 | 3.49 | 1218.208 | 1289.208 | 15.657 | -93.951 | -91.992 | 0.0 |
| 53 | 12297 | 12298 | SN | 1 | 57.563 | 58.414 | 0.0 | 0.0 | 296.393 | 3.285 | 1220.08 | 1289.168 | 16.682 | -93.401 | -92.016 | 0.0 |
| 54 | 12298 | 12299 | SN | 1 | 57.563 | 58.408 | 0.0 | 0.003 | 194.029 | 2.906 | 1219.208 | 1289.04 | 15.275 | -93.252 | -92.006 | 0.0 |
| 55 | 12299 | 12300 | SN | 1 | 57.563 | 58.43 | 0.0 | 0.003 | 286.405 | 3.167 | 1218.096 | 1289.16 | 15.863 | -93.86 | -91.994 | 0.0 |
| 56 | 12300 | 12301 | SN | 1 | 57.564 | 58.408 | 0.0 | 0.003 | 74.905 | 2.887 | 1219.288 | 1289.4 | 15.728 | -93.25 | -92.007 | 0.0 |
| 57 | 12300 | 12301 | NS | 1 | 57.347 | 58.228 | 0.0 | 0.003 | 292.869 | 3.597 | 1190.008 | 1284.912 | 49.195 | -93.798 | -91.768 | 0.0 |
| 58 | 12301 | 12302 | SN | 1 | 57.569 | 58.269 | 0.0 | 0.0 | 299.724 | 9.9 | 1218.32 | 1287.528 | 13.273 | -92.98 | -91.967 | 0.0 |
| 59 | 12301 | 12302 | SN | 1 | 57.569 | 58.413 | 0.0 | 0.0 | 299.724 | 3.343 | 1218.912 | 1289.528 | 16.466 | -93.494 | -91.971 | 0.0 |
| 60 | 12301 | 12302 | SN | 2 | 57.569 | 58.413 | 0.0 | 0.0 | 299.724 | 3.343 | 1218.912 | 1289.528 | 16.466 | -93.494 | -91.971 | 0.0 |
| 61 | 12302 | 12303 | SN | 1 | 57.567 | 58.436 | 0.0 | 0.0 | 274.316 | 2.329 | 1220.328 | 1289.432 | 19.074 | -94.585 | -92.039 | 0.0 |
| 62 | 12302 | 12303 | SN | 1 | 57.564 | 58.436 | 0.0 | 0.0 | 290.436 | 3.589 | 1218.112 | 1289.432 | 16.698 | -94.585 | -91.977 | 0.0 |
| 63 | 12303 | 12304 | SN | 1 | 57.558 | 58.441 | 0.0 | 0.0 | 290.139 | 3.513 | 1217.776 | 1289.52 | 16.52 | -93.687 | -91.985 | 0.0 |
| 64 | 12303 | 12304 | NS | 1 | 57.357 | 58.215 | 0.0 | 0.0 | 290.503 | 3.716 | 1190.744 | 1284.92 | 48.637 | -93.233 | -91.768 | 0.0 |
| 65 | 12304 | 12305 | SN | 1 | 57.563 | 58.45 | 0.0 | 0.0 | 287.574 | 2.239 | 1219.824 | 1289.64 | 19.525 | -93.253 | -92.039 | 0.0 |
| 66 | 12305 | 12306 | NS | 1 | 57.33 | 58.216 | 0.0 | 0.0 | 294.771 | 3.134 | 1189.632 | 1283.848 | 48.743 | -93.192 | -91.765 | 0.0 |
| 67 | 12306 | 12307 | SN | 1 | 57.562 | 58.44 | 0.0 | 0.0 | 298.676 | 2.725 | 1219.368 | 1289.92 | 19.235 | -93.296 | -92.015 | 0.0 |

| Parameter Specifications | Parameters | Inc.Angle | Azi. Angle | Range | X-Factor |
|--------------------------|------------|-----------|------------|--------|----------|
| | Min | 57.3 | 0.0 | 1210.0 | -100.0 |
| | Max | 58.9 | 0.0 | 1280.0 | -80.0 |

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|  Normal |  Deviations |
|  Alarming |  High Errors |

| | | | | | Outer | | | | | | | | | | | | | | | | | | | | | | | |
|------|-------------|-----------|------|------|---------|--------|------------|----------|--------|------------|----------|--------|------------|-----------|--------|------------|---------|---------|------------|----------|---------|------------|----------|---------|------------|-----------|--------|------------|
| | | | | | SNR | | | | | | | | | | | | Kp | | | | | | | | | | | |
| | | | | | Sea Aft | | | Sea Fore | | | Land Aft | | | Land Fore | | | Sea Aft | | | Sea Fore | | | Land Aft | | | Land Fore | | |
| SrNo | Start Orbit | End Orbit | Dir. | Ver. | 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 | 12278 | 12279 | SN | 1 | -32.34 | 20.063 | 0.0 | -33.802 | 19.134 | 0.0 | -0.354 | 22.025 | 0.002 | -5.19 | 22.585 | 0.007 | 0.086 | 127.008 | 2.132 | 0.086 | 177.782 | 1.814 | 0.086 | 0.155 | 0.0 | 0.086 | 0.314 | 0.0 |
| 2 | 12278 | 12279 | SN | 1 | -32.321 | 20.063 | 0.0 | -33.721 | 19.13 | 0.0 | -0.354 | 22.492 | 0.003 | -5.19 | 22.585 | 0.007 | 0.086 | 126.452 | 2.051 | 0.086 | 174.53 | 1.641 | 0.086 | 0.155 | 0.0 | 0.086 | 0.314 | 0.0 |
| 3 | 12278 | 12279 | SN | 2 | -32.34 | 20.063 | 0.0 | -33.802 | 19.134 | 0.0 | -0.354 | 22.025 | 0.002 | -5.19 | 22.585 | 0.007 | 0.086 | 127.008 | 2.132 | 0.086 | 177.782 | 1.814 | 0.086 | 0.155 | 0.0 | 0.086 | 0.314 | 0.0 |
| 4 | 12278 | 12279 | SN | 2 | -32.34 | 20.063 | 0.0 | -33.802 | 19.13 | 0.0 | -0.354 | 22.492 | 0.003 | -5.19 | 22.585 | 0.007 | 0.086 | 127.008 | 2.053 | 0.086 | 177.782 | 1.64 | 0.086 | 0.155 | 0.0 | 0.086 | 0.314 | 0.0 |
| 5 | 12279 | 12280 | SN | 1 | -34.954 | 20.063 | 0.0 | -34.207 | 20.093 | 0.0 | -26.786 | 21.72 | 0.0 | -5.55 | 22.534 | 0.002 | 0.086 | 231.777 | 2.065 | 0.086 | 195.148 | 2.079 | 0.086 | 35.4 | 0.005 | 0.086 | 0.334 | 0.0 |
| 6 | 12279 | 12280 | SN | 1 | -34.68 | 20.062 | 0.0 | -33.842 | 20.093 | 0.0 | -26.71 | 21.72 | 0.0 | -5.556 | 22.534 | 0.002 | 0.086 | 217.62 | 2.06 | 0.086 | 179.418 | 2.076 | 0.086 | 34.782 | 0.005 | 0.086 | 0.335 | 0.0 |
| 7 | 12279 | 12280 | SN | 1 | -34.954 | 20.063 | 0.0 | -34.207 | 20.093 | 0.0 | -26.786 | 21.72 | 0.0 | -5.55 | 22.534 | 0.002 | 0.086 | 231.777 | 2.061 | 0.086 | 195.148 | 2.076 | 0.086 | 35.4 | 0.005 | 0.086 | 0.334 | 0.0 |
| 8 | 12279 | 12280 | NS | 1 | -30.836 | 18.764 | 0.0 | -31.334 | 18.16 | 0.0 | -5.431 | 22.556 | 0.009 | -4.025 | 25.476 | 0.057 | 0.086 | 89.843 | 0.8 | 0.086 | 100.77 | 0.689 | 0.086 | 0.327 | 0.0 | 0.086 | 0.257 | 0.0 |
| 9 | 12280 | 12281 | SN | 2 | -34.722 | 19.095 | 0.0 | -34.178 | 18.863 | 0.0 | 1.088 | 22.034 | 0.003 | 1.396 | 22.475 | 0.004 | 0.086 | 219.715 | 1.821 | 0.086 | 193.845 | 1.734 | 0.086 | 0.134 | 0.0 | 0.086 | 0.131 | 0.0 |
| 10 | 12280 | 12281 | NS | 1 | -34.538 | 18.818 | 0.0 | -33.475 | 19.457 | 0.0 | -11.099 | 22.362 | 0.005 | -20.624 | 23.106 | 0.042 | 0.086 | 210.65 | 2.494 | 0.086 | 164.943 | 2.259 | 0.086 | 1.019 | 0.002 | 0.086 | 8.614 | 0.033 |
| 11 | 12280 | 12281 | SN | 1 | -34.722 | 19.095 | 0.0 | -34.178 | 18.863 | 0.0 | 1.088 | 22.034 | 0.003 | 1.396 | 22.475 | 0.004 | 0.086 | 219.715 | 1.821 | 0.086 | 193.845 | 1.734 | 0.086 | 0.134 | 0.0 | 0.086 | 0.131 | 0.0 |
| 12 | 12280 | 12281 | NS | 1 | -34.793 | 18.818 | 0.0 | -33.744 | 19.457 | 0.0 | -11.099 | 22.361 | 0.005 | -20.63 | 23.106 | 0.042 | 0.086 | 223.388 | 2.503 | 0.086 | 175.444 | 2.27 | 0.086 | 1.019 | 0.002 | 0.086 | 8.626 | 0.033 |
| 13 | 12280 | 12281 | SN | 1 | -34.722 | 19.095 | 0.0 | -34.178 | 18.863 | 0.0 | 1.088 | 22.034 | 0.003 | 1.396 | 22.475 | 0.004 | 0.086 | 219.715 | 1.794 | 0.086 | 193.845 | 1.714 | 0.086 | 0.134 | 0.0 | 0.086 | 0.131 | 0.0 |
| 14 | 12281 | 12282 | SN | 1 | -34.594 | 17.423 | 0.0 | -34.246 | 17.969 | 0.0 | 0.633 | 21.805 | 0.0 | 1.436 | 21.08 | 0.0 | 0.087 | 213.353 | 1.529 | 0.086 | 196.937 | 1.451 | 0.086 | 0.14 | 0.0 | 0.086 | 0.13 | 0.0 |
| 15 | 12281 | 12282 | SN | 2 | -34.594 | 17.423 | 0.0 | -34.246 | 17.969 | 0.0 | 0.633 | 21.805 | 0.0 | 1.436 | 21.08 | 0.0 | 0.087 | 213.353 | 1.529 | 0.086 | 196.937 | 1.451 | 0.086 | 0.14 | 0.0 | 0.086 | 0.13 | 0.0 |
| 16 | 12281 | 12282 | SN | 1 | -34.594 | 17.339 | 0.0 | -34.246 | 17.969 | 0.0 | 0.633 | 21.805 | 0.0 | 1.436 | 21.08 | 0.0 | 0.087 | 213.353 | 1.557 | 0.086 | 196.937 | 1.468 | 0.086 | 0.14 | 0.0 | 0.086 | 0.13 | 0.0 |
| 17 | 12281 | 12282 | NS | 1 | -32.841 | 19.299 | 0.0 | -34.806 | 19.629 | 0.0 | -31.752 | 21.299 | 0.0 | -27.767 | 22.454 | 0.01 | 0.086 | 142.542 | 1.322 | 0.086 | 224.02 | 1.643 | 0.086 | 110.908 | 0.123 | 0.086 | 44.348 | 0.087 |
| 18 | 12281 | 12282 | NS | 1 | -34.696 | 19.299 | 0.0 | -34.642 | 19.629 | 0.0 | -30.369 | 21.287 | 0.0 | -27.785 | 22.455 | 0.01 | 0.086 | 218.433 | 1.321 | 0.086 | 215.687 | 1.64 | 0.086 | 80.703 | 0.123 | 0.086 | 44.542 | 0.087 |
| 19 | 12282 | 12283 | NS | 1 | -33.574 | 19.992 | 0.0 | -33.273 | 20.967 | 0.0 | -12.227 | 22.385 | 0.006 | -16.239 | 22.43 | 0.011 | 0.086 | 168.723 | 1.334 | 0.086 | 157.431 | 1.537 | 0.086 | 1.302 | 0.001 | 0.086 | 3.18 | 0.004 |
| 20 | 12282 | 12283 | NS | 1 | -33.58 | 19.992 | 0.0 | -33.471 | 20.967 | 0.0 | -12.221 | 22.385 | 0.006 | -16.158 | 22.432 | 0.011 | 0.086 | 168.95 | 1.334 | 0.086 | 164.764 | 1.534 | 0.086 | 1.3 | 0.001 | 0.086 | 3.122 | 0.004 |
| 21 | 12282 | 12283 | SN | 1 | -34.97 | 18.614 | 0.0 | -34.256 | 18.608 | 0.0 | -0.948 | 21.324 | 0.0 | 1.622 | 21.716 | 0.0 | 0.086 | 232.651 | 3.346 | 0.086 | 197.409 | 2.807 | 0.086 | 0.166 | 0.0 | 0.086 | 0.128 | 0.0 |
| 22 | 12282 | 12283 | SN | 2 | -34.97 | 18.614 | 0.0 | -34.256 | 18.608 | 0.0 | -0.948 | 21.324 | 0.0 | 1.622 | 21.716 | 0.0 | 0.086 | 232.651 | 3.346 | 0.086 | 197.409 | 2.807 | 0.086 | 0.166 | 0.0 | 0.086 | 0.128 | 0.0 |
| 23 | 12282 | 12283 | SN | 1 | -34.97 | 18.612 | 0.0 | -34.256 | 18.608 | 0.0 | -0.948 | 21.324 | 0.0 | 1.622 | 21.716 | 0.0 | 0.086 | 232.651 | 3.342 | 0.086 | 197.409 | 2.804 | 0.086 | 0.166 | 0.0 | 0.086 | 0.128 | 0.0 |
| 24 | 12283 | 12284 | SN | 1 | -34.849 | 16.134 | 0.0 | -34.492 | 17.189 | 0.0 | -0.076 | 21.318 | 0.0 | 1.181 | 21.592 | 0.0 | 0.087 | 226.225 | 3.375 | 0.087 | 208.4 | 2.908 | 0.086 | 0.15 | 0.0 | 0.086 | 0.133 | 0.0 |
| 25 | 12283 | 12284 | NS | 1 | -33.339 | 17.961 | 0.0 | -34.405 | 18.346 | 0.0 | -15.004 | 22.096 | 0.002 | -25.372 | 22.633 | 0.007 | 0.086 | 159.817 | 1.508 | 0.086 | 204.247 | 1.428 | 0.086 | 2.408 | 0.006 | 0.086 | 25.578 | 0.005 |
| 26 | 12283 | 12284 | SN | 1 | -34.849 | 16.134 | 0.0 | -34.492 | 16.607 | 0.0 | -0.076 | 21.318 | 0.0 | 1.181 | 21.592 | 0.0 | 0.087 | 226.225 | 3.472 | 0.087 | 208.4 | 3.021 | 0.086 | 0.15 | 0.0 | 0.086 | 0.133 | 0.0 |
| 27 | 12283 | 12284 | NS | 2 | -33.339 | 17.961 | 0.0 | -34.405 | 18.346 | 0.0 | -15.004 | 22.096 | 0.002 | -25.372 | 22.633 | 0.007 | 0.086 | 159.817 | 1.508 | 0.086 | 204.247 | 1.428 | 0.086 | 2.408 | 0.006 | 0.086 | 25.578 | 0.005 |
| 28 | 12284 | 12285 | SN | 1 | -33.976 | 15.582 | 0.0 | -34.554 | 16.3 | 0.0 | 0.305 | 22.768 | 0.08 | 5.995 | 22.174 | 0.037 | 0.087 | 185.096 | 2.601 | 0.087 | 211.4 | 2.216 | 0.086 | 0.144 | 0.0 | 0.086 | 0.1 | 0.0 |
| 29 | 12284 | 12285 | NS | 1 | -34.765 | 19.796 | 0.0 | -34.872 | 19.929 | 0.0 | -22.19 | 22.112 | 0.005 | -20.547 | 22.562 | 0.019 | 0.086 | 221.993 | 1.993 | 0.086 | 227.458 | 2.086 | 0.086 | 12.328 | 0.111 | 0.086 | 8.465 | 0.062 |
| 30 | 12284 | 12285 | SN | 1 | -33.976 | 15.582 | 0.0 | -34.554 | 16.295 | 0.0 | 0.305 | 22.768 | 0.08 | 5.995 | 22.174 | 0.037 | 0.087 | 185.096 | 2.603 | 0.087 | 211.4 | 2.219 | 0.086 | 0.144 | 0.0 | 0.086 | 0.1 | 0.0 |
| 31 | 12285 | 12286 | NS | 1 | -34.864 | 18.832 | 0.0 | -34.838 | 21.327 | 0.0 | 1.376 | 22.718 | 0.065 | -12.535 | 23.089 | 0.226 | 0.086 | 227.047 | 1.971 | 0.086 | 225.663 | 1.821 | 0.086 | 0.131 | 0.0 | 0.086 | 1.393 | 0.003 |
| 32 | 12285 | 12286 | SN | 1 | -34.304 | 17.076 | 0.0 | -34.962 | 17.181 | 0.0 | -15.338 | 22.979 | 0.103 | -8.309 | 24.502 | 0.429 | 0.087 | 199.62 | 2.735 | 0.087 | 232.215 | 3.057 | 0.086 | 2.596 | 0.002 | 0.086 | 0.568 | 0.0 |

| Parameter Specifications | Parameters | SNR | Kp | Normal | Deviations |
|--------------------------|------------|-------|-----|----------|-------------|
| | Min | -65.0 | 0.0 | | |
| | Max | 22.0 | 1.0 | Alarming | High Errors |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|---------|--------|-----|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|
| 33 | 12288 | 12289 | SN | 1 | -34.779 | 16.057 | 0.0 | -34.734 | 19.296 | 0.0 | -32.364 | 22.175 | 0.005 | -22.493 | 23.785 | 0.262 | 0.087 | 222.65 | 2.801 | 0.086 | 220.388 | 2.792 | 0.086 | 127.738 | 0.129 | 0.086 | 13.212 | 0.051 |
| 34 | 12289 | 12290 | NS | 1 | -34.057 | 19.146 | 0.0 | -34.236 | 20.886 | 0.0 | 5.118 | 22.652 | 0.071 | 5.44 | 23.508 | 0.538 | 0.086 | 188.586 | 1.83 | 0.086 | 196.482 | 1.886 | 0.086 | 0.104 | 0.0 | 0.086 | 0.102 | 0.0 |
| 35 | 12289 | 12290 | SN | 1 | -33.916 | 18.96 | 0.0 | -34.324 | 19.635 | 0.0 | -27.464 | 22.967 | 0.011 | -31.644 | 23.338 | 0.185 | 0.086 | 182.556 | 1.708 | 0.086 | 200.506 | 1.432 | 0.086 | 41.36 | 0.123 | 0.086 | 108.199 | 0.162 |
| 36 | 12289 | 12290 | NS | 1 | -34.057 | 19.146 | 0.0 | -34.236 | 20.886 | 0.0 | 5.116 | 22.652 | 0.063 | 5.443 | 23.505 | 0.482 | 0.086 | 188.586 | 1.825 | 0.086 | 196.482 | 1.885 | 0.086 | 0.104 | 0.0 | 0.086 | 0.102 | 0.0 |
| 37 | 12290 | 12291 | NS | 1 | -34.874 | 21.671 | 0.0 | -34.335 | 18.224 | 0.0 | 2.977 | 22.837 | 0.037 | -20.644 | 23.027 | 0.522 | 0.086 | 227.572 | 3.308 | 0.086 | 201.069 | 3.049 | 0.086 | 0.116 | 0.0 | 0.086 | 8.654 | 0.013 |
| 38 | 12290 | 12291 | SN | 1 | -34.998 | 18.343 | 0.0 | -34.303 | 19.933 | 0.0 | -34.919 | 22.483 | 0.038 | -25.313 | 23.453 | 0.454 | 0.086 | 234.143 | 3.16 | 0.086 | 199.556 | 2.664 | 0.086 | 229.891 | 0.082 | 0.086 | 25.232 | 0.068 |
| 39 | 12291 | 12292 | NS | 1 | -34.951 | 19.417 | 0.0 | -34.69 | 19.562 | 0.0 | 2.225 | 22.457 | 0.057 | 3.056 | 23.207 | 0.703 | 0.086 | 231.646 | 3.262 | 0.086 | 218.111 | 3.004 | 0.086 | 0.122 | 0.0 | 0.086 | 0.116 | 0.0 |
| 40 | 12291 | 12292 | SN | 1 | -34.787 | 18.776 | 0.0 | -34.97 | 19.745 | 0.0 | 2.66 | 22.723 | 0.258 | 1.84 | 23.697 | 1.739 | 0.086 | 223.1 | 2.112 | 0.086 | 232.612 | 1.902 | 0.086 | 0.119 | 0.0 | 0.086 | 0.126 | 0.0 |
| 41 | 12292 | 12293 | SN | 1 | -33.082 | 18.116 | 0.0 | -32.838 | 19.819 | 0.0 | -1.011 | 22.893 | 0.097 | 0.398 | 22.888 | 0.161 | 0.086 | 150.657 | 1.616 | 0.086 | 142.438 | 0.56 | 0.086 | 0.167 | 0.0 | 0.086 | 0.143 | 0.0 |
| 42 | 12292 | 12293 | SN | 1 | -33.082 | 16.061 | 0.0 | -32.838 | 19.824 | 0.0 | -1.011 | 22.176 | 0.007 | 0.398 | 22.893 | 0.138 | 0.087 | 150.657 | 1.685 | 0.086 | 142.438 | 0.668 | 0.086 | 0.167 | 0.0 | 0.086 | 0.143 | 0.0 |
| 43 | 12292 | 12293 | NS | 1 | -34.498 | 19.712 | 0.0 | -34.999 | 19.675 | 0.0 | 1.558 | 23.02 | 0.147 | 0.548 | 23.213 | 0.551 | 0.086 | 208.698 | 3.047 | 0.086 | 234.212 | 3.062 | 0.086 | 0.129 | 0.0 | 0.086 | 0.141 | 0.0 |
| 44 | 12292 | 12293 | SN | 1 | -34.546 | 18.117 | 0.0 | -34.688 | 19.825 | 0.0 | -1.004 | 22.894 | 0.066 | 0.395 | 22.891 | 0.134 | 0.086 | 211.042 | 2.519 | 0.086 | 218.032 | 2.014 | 0.086 | 0.167 | 0.0 | 0.086 | 0.143 | 0.0 |
| 45 | 12293 | 12294 | SN | 1 | -34.736 | 17.961 | 0.0 | -34.01 | 19.426 | 0.0 | -17.615 | 22.056 | 0.001 | -11.178 | 22.652 | 0.007 | 0.086 | 220.477 | 3.01 | 0.086 | 186.581 | 2.562 | 0.086 | 4.341 | 0.003 | 0.086 | 1.037 | 0.002 |
| 46 | 12294 | 12295 | SN | 1 | -34.979 | 18.733 | 0.0 | -34.451 | 19.155 | 0.0 | -16.386 | 22.036 | 0.002 | 0.729 | 22.372 | 0.002 | 0.086 | 233.169 | 2.974 | 0.086 | 206.454 | 2.943 | 0.086 | 3.286 | 0.004 | 0.086 | 0.139 | 0.0 |
| 47 | 12294 | 12295 | SN | 1 | -34.368 | 18.731 | 0.0 | -34.957 | 19.161 | 0.0 | -16.35 | 22.036 | 0.002 | 0.729 | 22.372 | 0.002 | 0.086 | 202.524 | 2.987 | 0.086 | 231.99 | 2.948 | 0.086 | 3.344 | 0.004 | 0.086 | 0.139 | 0.0 |
| 48 | 12294 | 12295 | SN | 1 | -34.979 | 18.731 | 0.0 | -34.451 | 19.163 | 0.0 | -16.386 | 22.036 | 0.002 | 0.729 | 22.372 | 0.002 | 0.086 | 233.169 | 2.984 | 0.086 | 206.454 | 2.951 | 0.086 | 3.286 | 0.004 | 0.086 | 0.139 | 0.0 |
| 49 | 12295 | 12296 | SN | 1 | -34.991 | 17.648 | 0.0 | -34.925 | 18.53 | 0.0 | -3.77 | 21.604 | 0.0 | 0.212 | 20.653 | 0.0 | 0.087 | 233.812 | 2.818 | 0.086 | 230.255 | 2.212 | 0.086 | 0.247 | 0.0 | 0.086 | 0.146 | 0.0 |
| 50 | 12296 | 12297 | SN | 1 | -34.929 | 17.868 | 0.0 | -34.965 | 20.789 | 0.0 | -13.896 | 21.804 | 0.0 | -13.822 | 21.921 | 0.0 | 0.086 | 230.489 | 3.261 | 0.086 | 232.372 | 2.789 | 0.086 | 1.881 | 0.012 | 0.086 | 1.85 | 0.01 |
| 51 | 12296 | 12297 | SN | 1 | -34.929 | 17.868 | 0.0 | -34.809 | 20.789 | 0.0 | -13.901 | 21.804 | 0.0 | -13.821 | 21.921 | 0.0 | 0.086 | 230.489 | 3.194 | 0.086 | 224.212 | 2.746 | 0.086 | 1.883 | 0.012 | 0.086 | 1.85 | 0.01 |
| 52 | 12296 | 12297 | SN | 1 | -34.929 | 17.868 | 0.0 | -34.965 | 20.789 | 0.0 | -13.896 | 21.804 | 0.0 | -13.822 | 21.921 | 0.0 | 0.086 | 230.489 | 3.193 | 0.086 | 232.372 | 2.747 | 0.086 | 1.881 | 0.012 | 0.086 | 1.85 | 0.01 |
| 53 | 12297 | 12298 | SN | 1 | -34.894 | 16.628 | 0.0 | -34.625 | 17.362 | 0.0 | 0.17 | 21.437 | 0.0 | 0.568 | 22.242 | 0.018 | 0.087 | 228.646 | 4.356 | 0.087 | 214.891 | 4.115 | 0.086 | 0.146 | 0.0 | 0.086 | 0.141 | 0.0 |
| 54 | 12298 | 12299 | SN | 1 | -34.536 | 16.581 | 0.0 | -34.761 | 16.711 | 0.0 | -0.755 | 21.878 | 0.0 | 8.637 | 22.147 | 0.005 | 0.087 | 210.57 | 3.129 | 0.087 | 221.689 | 3.017 | 0.086 | 0.162 | 0.0 | 0.086 | 0.093 | 0.0 |
| 55 | 12299 | 12300 | SN | 1 | -34.914 | 15.552 | 0.0 | -34.295 | 17.641 | 0.0 | -0.326 | 23.45 | 0.072 | 0.715 | 23.266 | 0.232 | 0.087 | 229.665 | 2.988 | 0.087 | 199.191 | 2.545 | 0.086 | 0.154 | 0.0 | 0.086 | 0.139 | 0.0 |
| 56 | 12300 | 12301 | SN | 1 | -34.962 | 18.727 | 0.0 | -34.482 | 20.043 | 0.0 | -10.273 | 22.641 | 0.018 | -8.354 | 23.119 | 0.065 | 0.086 | 232.239 | 1.983 | 0.086 | 207.968 | 2.095 | 0.086 | 0.854 | 0.0 | 0.086 | 0.574 | 0.0 |
| 57 | 12300 | 12301 | NS | 1 | -34.411 | 19.913 | 0.0 | -34.267 | 20.391 | 0.0 | 1.628 | 23.01 | 0.161 | 0.769 | 23.208 | 0.42 | 0.086 | 204.542 | 1.73 | 0.086 | 197.885 | 1.593 | 0.086 | 0.128 | 0.0 | 0.086 | 0.138 | 0.0 |
| 58 | 12301 | 12302 | SN | 1 | -22.688 | 14.409 | 0.0 | -24.003 | 18.722 | 0.0 | 1.623 | 21.183 | 0.0 | 7.652 | 23.652 | 0.88 | 0.088 | 13.819 | 0.113 | 0.086 | 18.677 | 0.145 | 0.086 | 0.128 | 0.0 | 0.086 | 0.095 | 0.0 |
| 59 | 12301 | 12302 | SN | 1 | -34.776 | 18.538 | 0.0 | -34.668 | 19.836 | 0.0 | -27.539 | 22.204 | 0.007 | -17.102 | 23.645 | 0.21 | 0.086 | 222.503 | 2.475 | 0.086 | 216.996 | 1.816 | 0.086 | 42.096 | 0.037 | 0.086 | 3.865 | 0.002 |
| 60 | 12301 | 12302 | SN | 2 | -34.776 | 18.538 | 0.0 | -34.668 | 19.836 | 0.0 | -27.539 | 22.204 | 0.007 | -17.102 | 23.645 | 0.21 | 0.086 | 222.503 | 2.475 | 0.086 | 216.996 | 1.816 | 0.086 | 42.096 | 0.037 | 0.086 | 3.865 | 0.002 |
| 61 | 12302 | 12303 | SN | 1 | -34.787 | 17.602 | 0.0 | -34.577 | 18.241 | 0.0 | -20.341 | 22.365 | 0.013 | -24.495 | 22.217 | 0.005 | 0.087 | 223.09 | 5.356 | 0.086 | 217.628 | 4.712 | 0.086 | 8.075 | 0.074 | 0.086 | 20.914 | 0.099 |
| 62 | 12302 | 12303 | SN | 1 | -34.787 | 17.602 | 0.0 | -34.577 | 18.601 | 0.0 | -20.341 | 22.365 | 0.011 | -24.495 | 23.479 | 0.275 | 0.087 | 223.09 | 4.834 | 0.086 | 217.628 | 4.07 | 0.086 | 8.075 | 0.062 | 0.086 | 20.914 | 0.09 |
| 63 | 12303 | 12304 | SN | 1 | -34.055 | 16.601 | 0.0 | -34.178 | 19.239 | 0.0 | -32.536 | 22.334 | 0.013 | -23.579 | 23.598 | 0.199 | 0.087 | 188.456 | 1.87 | 0.086 | 193.842 | 1.631 | 0.086 | 132.879 | 0.03 | 0.086 | 16.952 | 0.02 |
| 64 | 12303 | 12304 | NS | 1 | -34.601 | 18.693 | 0.0 | -34.099 | 19.208 | 0.0 | 1.134 | 22.585 | 0.052 | 0.737 | 23.895 | 0.443 | 0.086 | 213.755 | 1.902 | 0.086 | 190.393 | 1.859 | 0.086 | 0.134 | 0.0 | 0.086 | 0.139 | 0.0 |
| 65 | 12304 | 12305 | SN | 1 | -34.504 | 17.768 | 0.0 | -33.833 | 18.546 | 0.0 | -14.466 | 22.962 | 0.014 | -13.064 | 22.636 | 0.01 | 0.086 | 209.004 | 3.659 | 0.086 | 179.038 | 3.31 | 0.086 | 2.136 | 0.006 | 0.086 | 1.564 | 0.005 |
| 66 | 12305 | 12306 | NS | 1 | -34.932 | 18.809 | 0.0 | -34.902 | 18.453 | 0.0 | 1.682 | 22.989 | 0.066 | 1.999 | 23.055 | 0.713 | 0.086 | 230.644 | 2.822 | 0.086 | 228.986 | 2.592 | 0.086 | 0.128 | 0.0 | 0.086 | 0.124 | 0.0 |
| 67 | 12306 | 12307 | SN | 1 | -34.855 | 18.123 | 0.0 | -34.835 | 18.312 | 0.0 | 1.813 | 22.808 | 0.162 | 3.701 | 23.733 | 1.077 | 0.086 | 226.602 | 1.738 | 0.086 | 225.542 | 1.532 | 0.086 | 0.126 | 0.0 | 0.086 | 0.111 | 0.0 |

| | | | |
|--------------------------|------------|-------|-----|
| Parameter Specifications | Parameters | SNR | Kp |
| | Min | -65.0 | 0.0 |
| | Max | 22.0 | 1.0 |

| | |
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|  Normal |  Deviations |
|  Alarming |  High Errors |