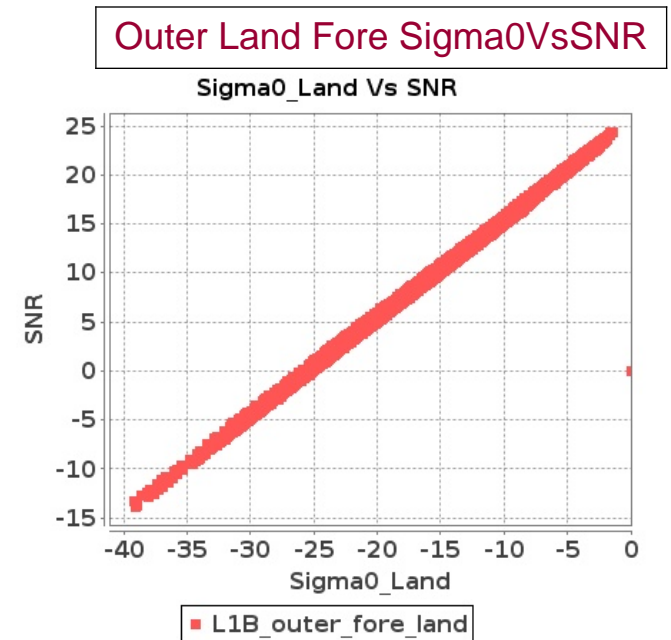
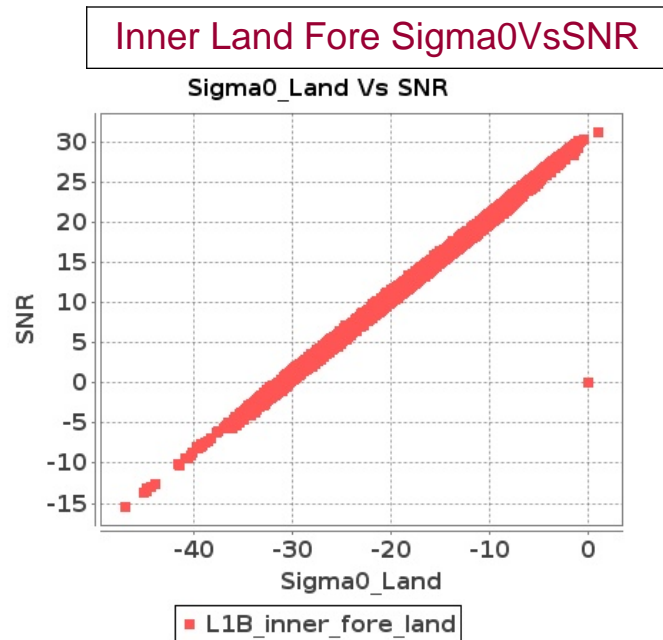
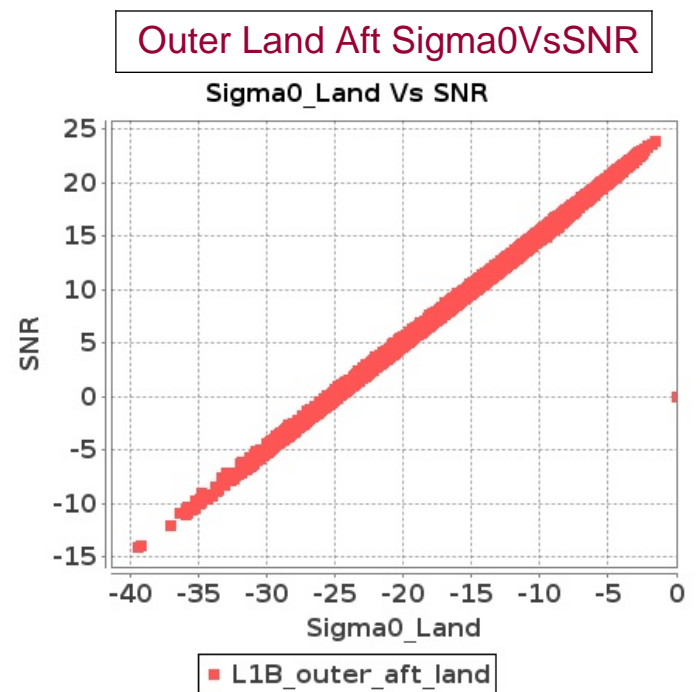
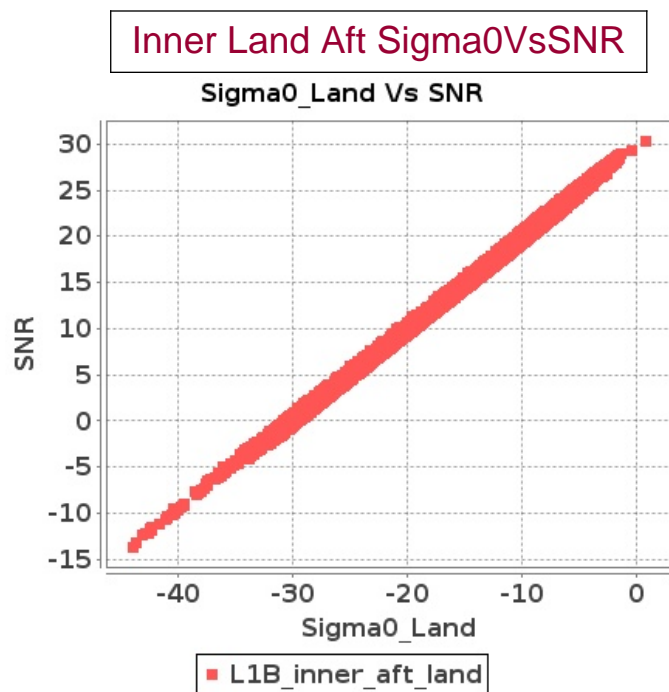
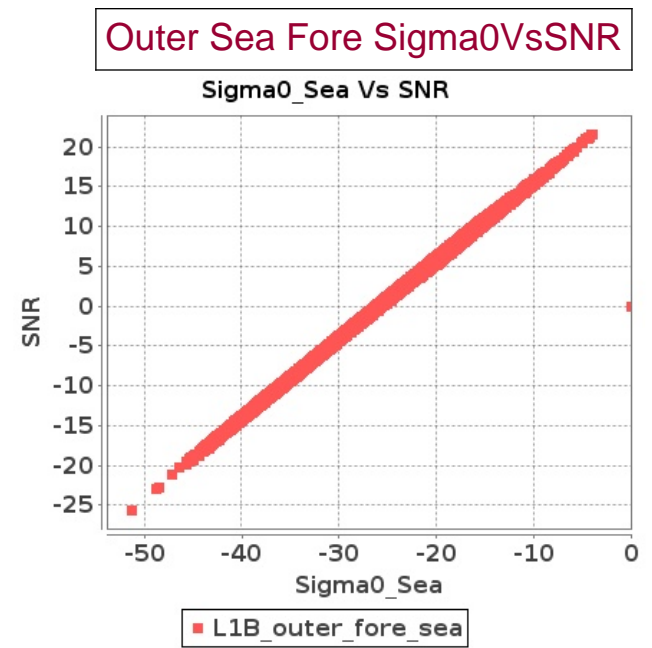
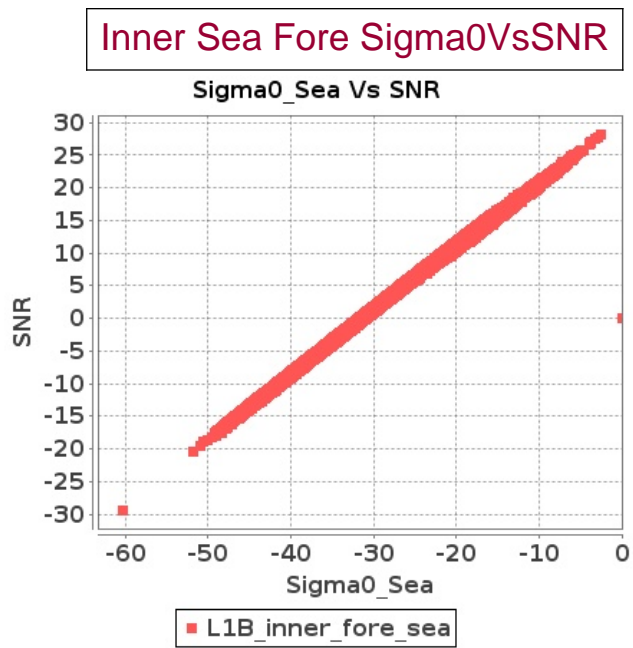
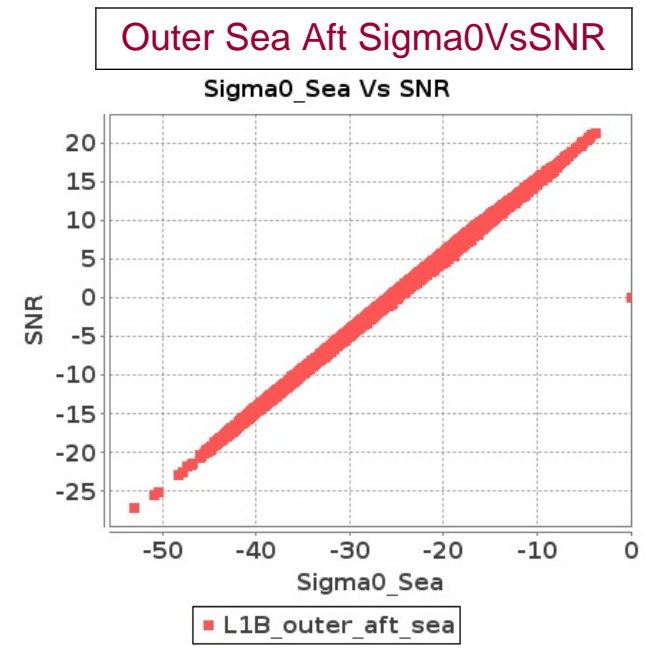
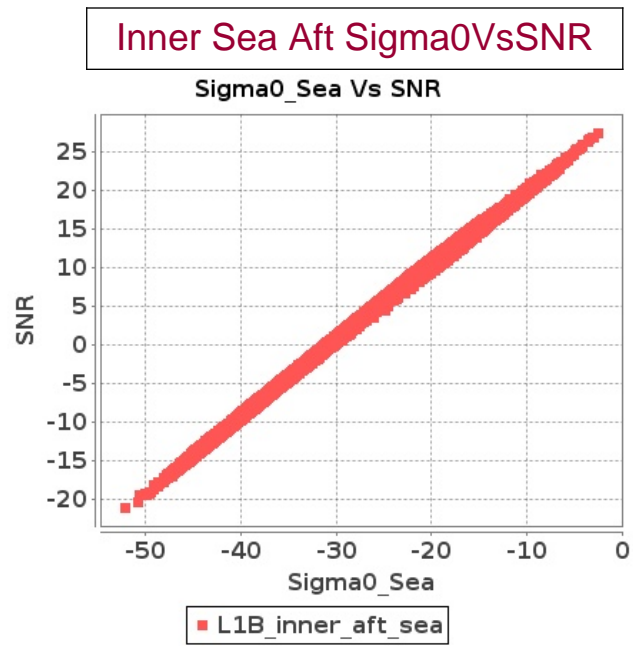
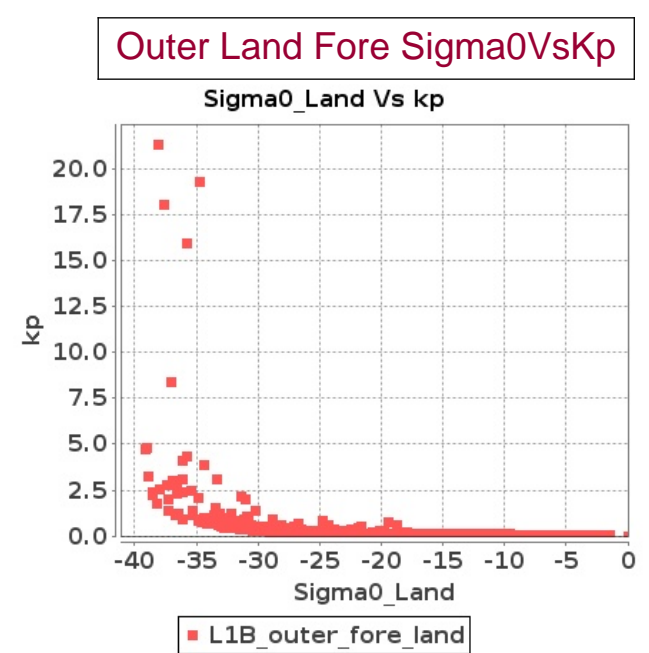
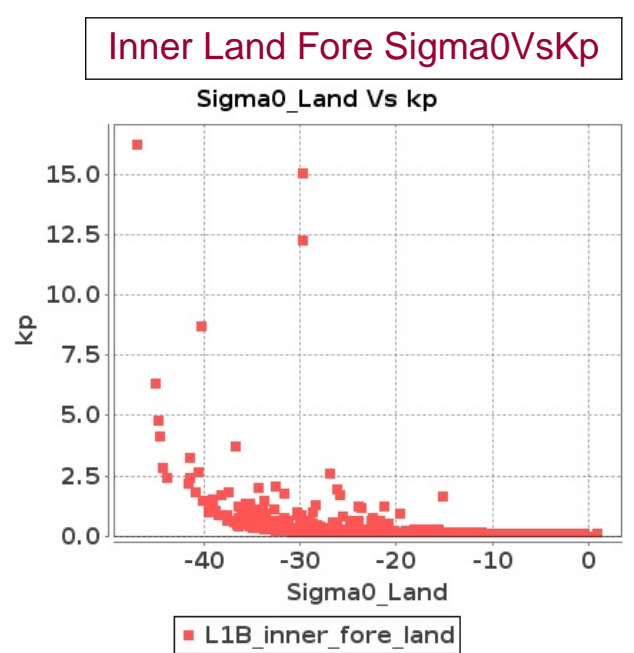
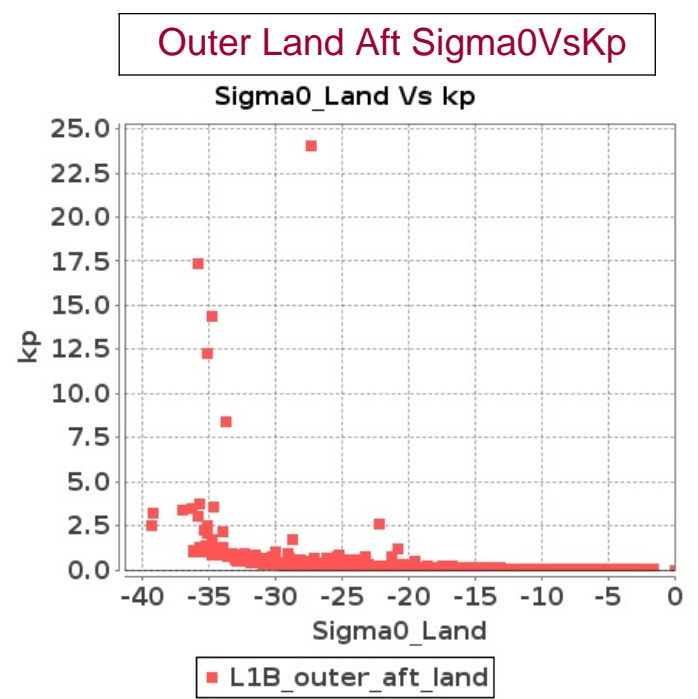
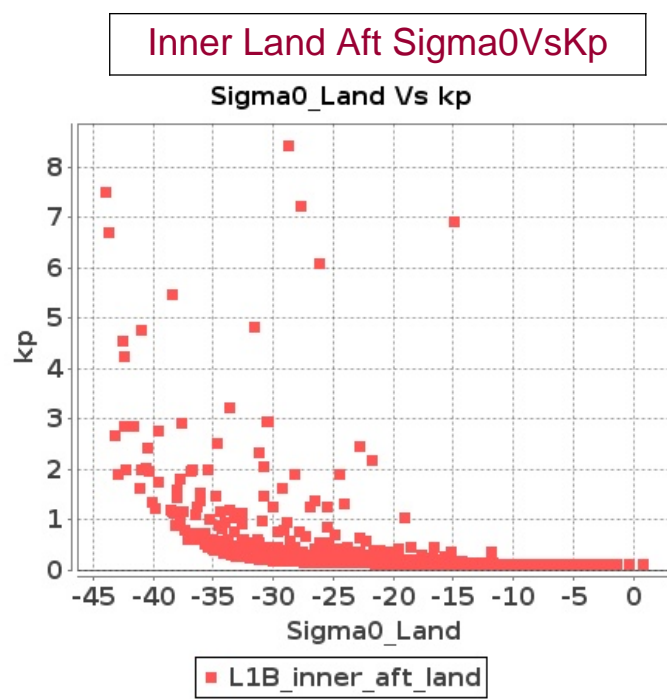
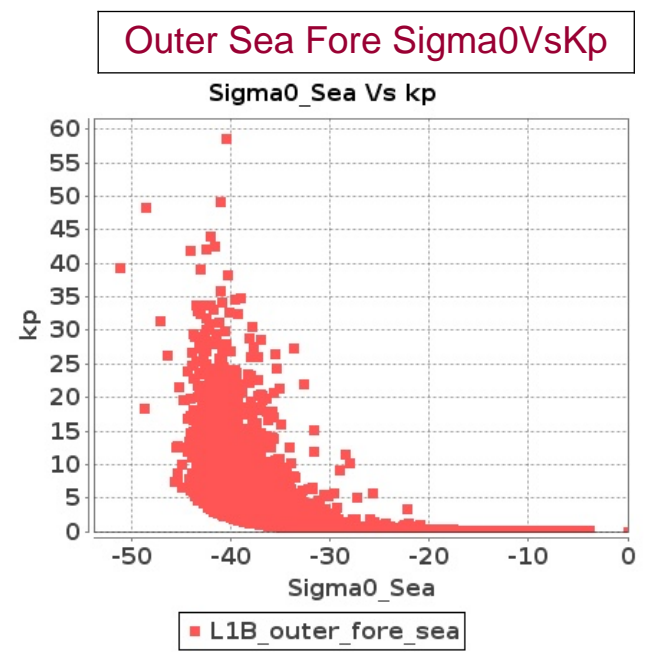
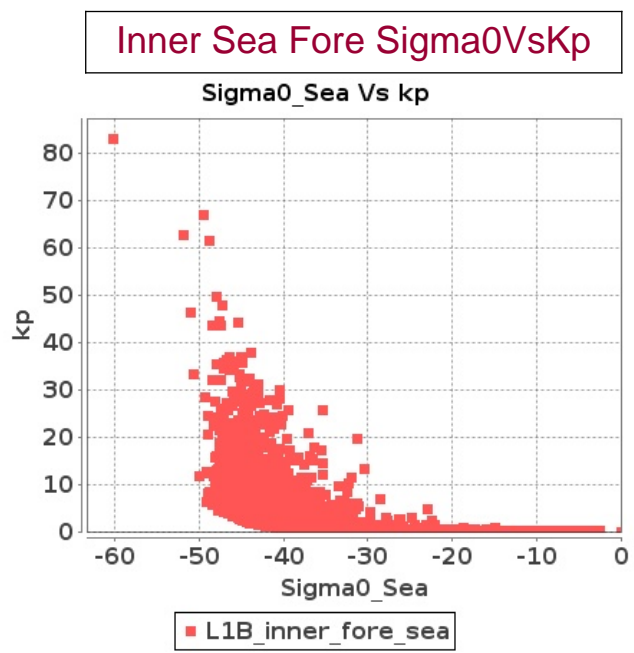
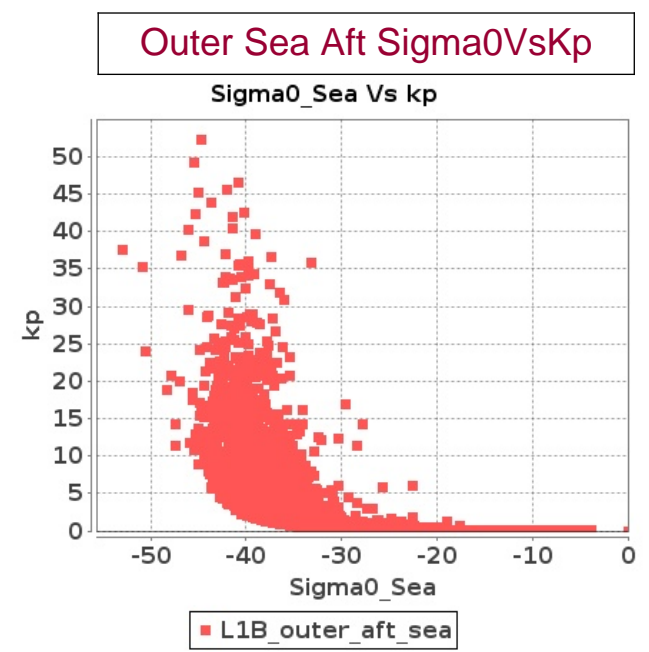
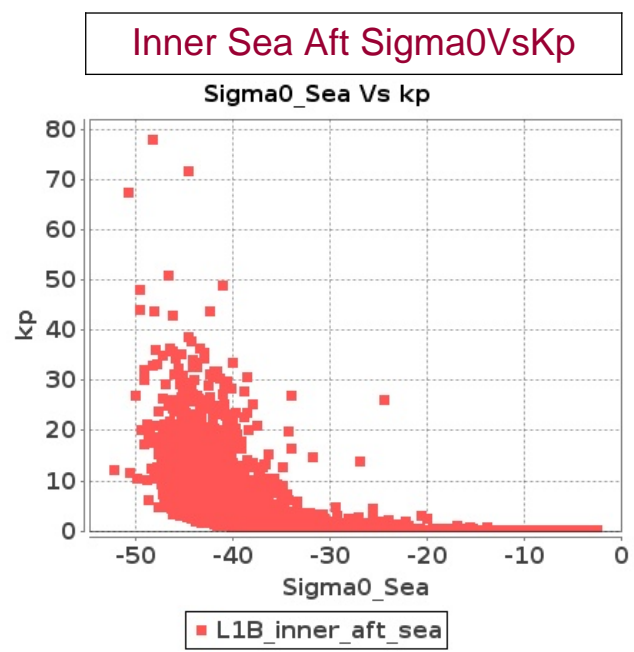


SCATSAT-1 Scatterometer Level-1B Data Quality Cycle wise Report

Report between 02-APR-2018 To 03-APR-2018





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

Report between 02-APR-2018 To 03-APR-2018

| | | | | | 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 | 8015 | 8016 | SN | 1 | 48.695 | 49.308 | 0.0 | 0.0 | 73.647 | 2.779 | 1021.688 | 1069.224 | 10.863 | -91.536 | -89.733 | 0.0 |
| 2 | 8015 | 8016 | SN | 1 | 48.7 | 49.324 | 0.0 | 0.0 | 73.647 | 2.784 | 1021.728 | 1069.16 | 10.833 | -91.61 | -89.734 | 0.0 |
| 3 | 8015 | 8016 | SN | 1 | 48.7 | 49.324 | 0.0 | 0.003 | 6.056 | 2.037 | 1021.728 | 1069.16 | 11.308 | -91.61 | -89.734 | 0.0 |
| 4 | 8016 | 8017 | SN | 1 | 48.69 | 49.295 | 0.0 | 0.003 | 6.056 | 2.449 | 1020.608 | 1069.072 | 11.217 | -91.46 | -89.732 | 0.0 |
| 5 | 8016 | 8017 | NS | 1 | 48.849 | 49.42 | 0.0 | 0.003 | 12.668 | 2.538 | 1053.112 | 1072.104 | 0.0 | -91.617 | -90.052 | 0.0 |
| 6 | 8016 | 8017 | NS | 1 | 48.832 | 49.42 | 0.0 | 0.003 | 12.668 | 2.536 | 1053.264 | 1072.12 | 0.0 | -91.614 | -90.052 | 0.0 |
| 7 | 8016 | 8017 | SN | 2 | 48.69 | 49.295 | 0.0 | 0.003 | 6.056 | 2.628 | 1020.608 | 1069.072 | 11.032 | -91.46 | -89.732 | 0.0 |
| 8 | 8016 | 8017 | SN | 1 | 48.69 | 49.295 | 0.0 | 0.003 | 6.056 | 2.628 | 1020.608 | 1069.072 | 11.032 | -91.46 | -89.732 | 0.0 |
| 9 | 8017 | 8018 | SN | 1 | 48.669 | 49.297 | 0.0 | 0.003 | 29.406 | 2.518 | 1020.424 | 1069.208 | 11.581 | -91.483 | -89.748 | 0.0 |
| 10 | 8017 | 8018 | SN | 1 | 48.669 | 49.297 | 0.0 | 0.003 | 29.406 | 2.379 | 1020.352 | 1069.208 | 11.656 | -91.483 | -89.748 | 0.0 |
| 11 | 8017 | 8018 | SN | 1 | 48.669 | 49.297 | 0.0 | 0.003 | 29.406 | 2.377 | 1020.424 | 1069.208 | 11.72 | -91.483 | -89.748 | 0.0 |
| 12 | 8017 | 8018 | NS | 1 | 48.861 | 49.421 | 0.0 | 0.003 | 16.997 | 2.578 | 1053.384 | 1072.288 | 0.0 | -91.682 | -90.02 | 0.0 |
| 13 | 8017 | 8018 | NS | 2 | 48.834 | 49.422 | 0.0 | 0.003 | 43.174 | 2.579 | 1053.376 | 1072.272 | 0.0 | -91.682 | -90.02 | 0.0 |
| 14 | 8018 | 8019 | NS | 1 | 48.83 | 49.42 | 0.0 | 0.008 | 210.53 | 2.559 | 1053.44 | 1073.256 | 0.0 | -91.976 | -90.067 | 0.0 |
| 15 | 8018 | 8019 | SN | 1 | 48.65 | 49.321 | 0.0 | 0.003 | 214.418 | 2.554 | 1021.328 | 1069.072 | 12.307 | -91.598 | -89.749 | 0.0 |
| 16 | 8018 | 8019 | SN | 1 | 48.65 | 49.321 | 0.0 | 0.003 | 214.418 | 2.319 | 1020.384 | 1069.072 | 12.446 | -91.451 | -89.749 | 0.0 |
| 17 | 8018 | 8019 | SN | 1 | 48.65 | 49.321 | 0.0 | 0.003 | 214.418 | 2.556 | 1020.384 | 1069.072 | 12.241 | -91.451 | -89.749 | 0.0 |
| 18 | 8019 | 8020 | NS | 1 | 48.853 | 49.448 | 0.0 | 0.0 | 45.764 | 2.758 | 1054.304 | 1073.048 | 0.0 | -91.626 | -90.029 | 0.0 |
| 19 | 8019 | 8020 | SN | 1 | 48.655 | 49.329 | 0.0 | 0.0 | 61.531 | 2.194 | 1020.376 | 1068.872 | 12.458 | -92.012 | -89.748 | 0.0 |
| 20 | 8019 | 8020 | NS | 2 | 48.853 | 49.448 | 0.0 | 0.0 | 45.764 | 2.759 | 1054.304 | 1073.048 | 0.0 | -91.626 | -90.029 | 0.0 |
| 21 | 8019 | 8020 | SN | 1 | 48.655 | 49.329 | 0.0 | 0.0 | 61.531 | 2.555 | 1020.336 | 1068.888 | 12.211 | -92.012 | -89.748 | 0.0 |
| 22 | 8019 | 8020 | SN | 1 | 48.655 | 49.329 | 0.0 | 0.0 | 61.531 | 2.557 | 1020.376 | 1068.872 | 12.143 | -92.012 | -89.748 | 0.0 |
| 23 | 8020 | 8021 | NS | 1 | 48.799 | 49.452 | 0.0 | 0.003 | 206.972 | 2.696 | 1053.48 | 1072.368 | 0.0 | -91.733 | -90.059 | 0.0 |
| 24 | 8020 | 8021 | NS | 1 | 48.797 | 49.422 | 0.0 | 0.003 | 267.136 | 2.711 | 1053.448 | 1072.496 | 0.0 | -91.733 | -90.059 | 0.0 |
| 25 | 8020 | 8021 | SN | 1 | 48.701 | 49.333 | 0.0 | 0.003 | 6.028 | 2.515 | 1020.84 | 1068.736 | 11.965 | -91.499 | -89.75 | 0.0 |
| 26 | 8020 | 8021 | SN | 2 | 48.701 | 49.333 | 0.0 | 0.003 | 6.028 | 2.584 | 1020.84 | 1068.736 | 11.906 | -91.499 | -89.75 | 0.0 |
| 27 | 8020 | 8021 | SN | 1 | 48.701 | 49.333 | 0.0 | 0.003 | 6.028 | 2.584 | 1020.84 | 1068.736 | 11.906 | -91.499 | -89.75 | 0.0 |
| 28 | 8021 | 8022 | NS | 1 | 48.807 | 49.435 | 0.0 | 0.003 | 206.625 | 2.583 | 1053.168 | 1072.432 | 0.0 | -91.682 | -90.067 | 0.0 |
| 29 | 8021 | 8022 | NS | 1 | 48.807 | 49.435 | 0.0 | 0.003 | 206.625 | 2.596 | 1053.168 | 1072.432 | 0.0 | -91.672 | -90.067 | 0.0 |
| 30 | 8021 | 8022 | SN | 2 | 48.712 | 49.294 | 0.0 | 0.003 | 6.017 | 2.672 | 1021.208 | 1068.656 | 11.016 | -91.47 | -89.751 | 0.0 |
| 31 | 8021 | 8022 | SN | 1 | 48.714 | 49.293 | 0.0 | 0.003 | 282.605 | 2.268 | 1021.24 | 1068.608 | 11.304 | -91.47 | -89.751 | 0.0 |
| 32 | 8021 | 8022 | SN | 1 | 48.714 | 49.293 | 0.0 | 0.003 | 282.605 | 2.675 | 1021.24 | 1068.608 | 11.003 | -91.47 | -89.751 | 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 | 8022 | 8023 | SN | 1 | 48.679 | 49.297 | 0.0 | 0.003 | 281.364 | 2.694 | 1021.072 | 1068.688 | 8.515 | -91.386 | -89.747 | 0.0 |
| 34 | 8022 | 8023 | SN | 1 | 48.679 | 49.297 | 0.0 | 0.003 | 281.364 | 1.759 | 1021.072 | 1068.688 | 9.037 | -91.386 | -89.747 | 0.0 |
| 35 | 8022 | 8023 | NS | 1 | 48.809 | 49.443 | 0.0 | 0.0 | 210.552 | 2.72 | 1054.048 | 1071.872 | 0.0 | -91.632 | -90.065 | 0.0 |
| 36 | 8022 | 8023 | SN | 2 | 48.679 | 49.297 | 0.0 | 0.003 | 281.364 | 2.694 | 1021.072 | 1068.688 | 8.515 | -91.386 | -89.747 | 0.0 |
| 37 | 8022 | 8023 | NS | 1 | 48.81 | 49.421 | 0.0 | 0.0 | 210.552 | 2.722 | 1053.216 | 1071.872 | 0.0 | -92.529 | -90.065 | 0.0 |
| 38 | 8023 | 8024 | NS | 1 | 48.8 | 49.471 | 0.0 | 0.003 | 43.149 | 2.635 | 1053.224 | 1072.552 | 0.0 | -91.649 | -90.023 | 0.0 |
| 39 | 8023 | 8024 | SN | 2 | 48.655 | 49.3 | 0.0 | 0.003 | 26.772 | 2.592 | 1021.392 | 1068.704 | 9.032 | -91.482 | -89.727 | 0.0 |
| 40 | 8023 | 8024 | SN | 1 | 48.657 | 49.299 | 0.0 | 0.003 | 216.48 | 2.592 | 1021.408 | 1068.68 | 9.005 | -91.482 | -89.727 | 0.0 |
| 41 | 8023 | 8024 | NS | 1 | 48.8 | 49.471 | 0.0 | 0.003 | 43.149 | 2.638 | 1054.016 | 1072.552 | 0.0 | -91.622 | -90.023 | 0.0 |
| 42 | 8024 | 8025 | NS | 1 | 48.813 | 49.422 | 0.0 | 0.003 | 210.254 | 2.739 | 1053.352 | 1072.064 | 0.0 | -91.653 | -90.045 | 0.0 |
| 43 | 8024 | 8025 | NS | 1 | 48.811 | 49.422 | 0.0 | 0.003 | 210.254 | 2.73 | 1053.112 | 1072.064 | 0.0 | -91.653 | -90.045 | 0.0 |
| 44 | 8025 | 8026 | NS | 1 | 48.814 | 49.421 | 0.0 | 0.003 | 210.618 | 2.642 | 1053.064 | 1072.16 | 0.0 | -91.66 | -90.064 | 0.0 |
| 45 | 8030 | 8031 | SN | 1 | 48.658 | 49.294 | 0.0 | 0.003 | 6.039 | 2.752 | 1021.264 | 1068.152 | 7.982 | -91.502 | -89.709 | 0.0 |
| 46 | 8030 | 8031 | NS | 1 | 48.837 | 49.421 | 0.0 | 0.003 | 43.047 | 2.682 | 1052.848 | 1072.056 | 0.0 | -92.063 | -90.051 | 0.0 |
| 47 | 8030 | 8031 | SN | 1 | 48.658 | 49.294 | 0.0 | 0.003 | 6.039 | 2.448 | 1021.264 | 1068.152 | 8.2 | -91.502 | -89.709 | 0.0 |
| 48 | 8030 | 8031 | NS | 1 | 48.837 | 49.421 | 0.0 | 0.003 | 43.047 | 2.684 | 1051.64 | 1072.056 | 0.0 | -91.692 | -90.051 | 0.0 |
| 49 | 8030 | 8031 | SN | 2 | 48.658 | 49.294 | 0.0 | 0.003 | 6.039 | 2.753 | 1021.264 | 1068.152 | 7.982 | -91.502 | -89.709 | 0.0 |
| 50 | 8031 | 8032 | NS | 1 | 48.862 | 49.422 | 0.0 | 0.0 | 210.392 | 2.661 | 1052.76 | 1072.176 | 0.0 | -91.671 | -90.043 | 0.0 |
| 51 | 8031 | 8032 | SN | 1 | 48.694 | 49.302 | 0.0 | 0.003 | 6.039 | 2.409 | 1021.344 | 1068.304 | 8.765 | -91.522 | -89.756 | 0.0 |
| 52 | 8031 | 8032 | SN | 1 | 48.694 | 49.302 | 0.0 | 0.003 | 6.039 | 2.546 | 1021.344 | 1068.304 | 8.652 | -91.522 | -89.756 | 0.0 |
| 53 | 8031 | 8032 | NS | 2 | 48.862 | 49.422 | 0.0 | 0.0 | 206.553 | 2.665 | 1052.744 | 1072.184 | 0.0 | -91.67 | -90.043 | 0.0 |
| 54 | 8031 | 8032 | SN | 1 | 48.694 | 49.302 | 0.0 | 0.003 | 6.039 | 2.544 | 1021.192 | 1068.304 | 8.694 | -91.522 | -89.756 | 0.0 |
| 55 | 8032 | 8033 | NS | 1 | 48.856 | 49.421 | 0.0 | 0.003 | 14.129 | 2.524 | 1052.864 | 1072.192 | 0.0 | -91.57 | -90.05 | 0.0 |
| 56 | 8032 | 8033 | SN | 1 | 48.657 | 49.322 | 0.0 | 0.003 | 6.039 | 2.522 | 1021.008 | 1068.296 | 9.114 | -91.406 | -89.755 | 0.0 |
| 57 | 8032 | 8033 | SN | 1 | 48.657 | 49.322 | 0.0 | 0.003 | 6.039 | 2.52 | 1021.256 | 1068.296 | 9.152 | -91.453 | -89.755 | 0.0 |
| 58 | 8032 | 8033 | SN | 1 | 48.657 | 49.322 | 0.0 | 0.003 | 6.039 | 2.345 | 1021.008 | 1068.296 | 9.243 | -91.406 | -89.755 | 0.0 |
| 59 | 8033 | 8034 | SN | 1 | 48.648 | 49.319 | 0.0 | 0.003 | 6.022 | 2.57 | 1021.912 | 1068.144 | 9.555 | -91.607 | -89.755 | 0.0 |
| 60 | 8033 | 8034 | NS | 2 | 48.856 | 49.421 | 0.0 | 0.003 | 206.89 | 2.69 | 1053.448 | 1072.248 | 0.0 | -91.637 | -90.054 | 0.0 |
| 61 | 8033 | 8034 | SN | 1 | 48.649 | 49.318 | 0.0 | 0.003 | 6.022 | 2.573 | 1021.192 | 1068.12 | 9.506 | -91.427 | -89.755 | 0.0 |
| 62 | 8033 | 8034 | SN | 1 | 48.649 | 49.318 | 0.0 | 0.003 | 212.603 | 2.286 | 1021.192 | 1068.12 | 9.696 | -91.48 | -89.755 | 0.0 |
| 63 | 8033 | 8034 | NS | 1 | 48.856 | 49.421 | 0.0 | 0.003 | 206.89 | 2.69 | 1053.448 | 1072.248 | 0.0 | -91.637 | -90.054 | 0.0 |
| 64 | 8034 | 8035 | NS | 1 | 48.816 | 49.431 | 0.0 | 0.0 | 210.254 | 2.764 | 1053.936 | 1072.264 | 0.0 | -91.704 | -90.056 | 0.0 |
| 65 | 8034 | 8035 | SN | 1 | 48.618 | 49.316 | 0.0 | 0.003 | 283.868 | 2.085 | 1021.504 | 1067.992 | 9.491 | -91.466 | -89.755 | 0.0 |
| 66 | 8034 | 8035 | SN | 1 | 48.618 | 49.316 | 0.0 | 0.003 | 283.868 | 2.561 | 1021.504 | 1068.2 | 9.193 | -91.466 | -89.755 | 0.0 |
| 67 | 8034 | 8035 | NS | 1 | 48.8 | 49.432 | 0.0 | 0.0 | 266.639 | 2.762 | 1053.896 | 1072.296 | 0.0 | -91.698 | -90.056 | 0.0 |
| 68 | 8034 | 8035 | SN | 2 | 48.618 | 49.316 | 0.0 | 0.003 | 283.868 | 2.561 | 1021.504 | 1068.2 | 9.193 | -91.466 | -89.755 | 0.0 |
| 69 | 8035 | 8036 | SN | 1 | 48.657 | 49.304 | 0.0 | 0.003 | 215.896 | 1.906 | 1021.152 | 1067.824 | 9.248 | -91.893 | -89.754 | 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 |

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|  Normal |  Deviations |
|  Alarming |  High Errors |

| | | | | | | | | | | | | | | | | |
|----|------|------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|-------|---------|---------|-----|
| 70 | 8035 | 8036 | NS | 1 | 48.864 | 49.462 | 0.0 | 0.003 | 14.223 | 2.613 | 1053.728 | 1073.408 | 0.0 | -91.704 | -90.061 | 0.0 |
| 71 | 8035 | 8036 | SN | 1 | 48.657 | 49.304 | 0.0 | 0.003 | 215.896 | 2.632 | 1021.152 | 1068.28 | 8.819 | -91.893 | -89.754 | 0.0 |
| 72 | 8035 | 8036 | NS | 1 | 48.864 | 49.462 | 0.0 | 0.003 | 14.223 | 2.61 | 1053.728 | 1073.408 | 0.0 | -91.704 | -90.061 | 0.0 |
| 73 | 8035 | 8036 | SN | 2 | 48.657 | 49.304 | 0.0 | 0.003 | 215.896 | 2.631 | 1021.152 | 1068.312 | 8.818 | -91.893 | -89.754 | 0.0 |
| 74 | 8036 | 8037 | NS | 1 | 48.845 | 49.422 | 0.0 | 0.003 | 267.158 | 2.643 | 1052.56 | 1072.368 | 0.0 | -91.642 | -90.061 | 0.0 |
| 75 | 8036 | 8037 | SN | 1 | 48.704 | 49.348 | 0.0 | 0.0 | 236.312 | 2.755 | 1021.608 | 1068.336 | 7.37 | -91.445 | -89.724 | 0.0 |
| 76 | 8036 | 8037 | SN | 1 | 48.7 | 49.292 | 0.0 | 0.0 | 236.312 | 1.739 | 1021.472 | 1067.784 | 7.912 | -91.272 | -89.724 | 0.0 |
| 77 | 8036 | 8037 | SN | 1 | 48.696 | 49.292 | 0.0 | 0.0 | 236.312 | 2.768 | 1021.472 | 1068.336 | 7.406 | -91.272 | -89.724 | 0.0 |
| 78 | 8036 | 8037 | NS | 1 | 48.817 | 49.425 | 0.0 | 0.003 | 18.795 | 2.638 | 1052.52 | 1072.424 | 0.0 | -92.134 | -90.06 | 0.0 |
| 79 | 8037 | 8038 | NS | 1 | 48.794 | 49.452 | 0.0 | 0.003 | 12.618 | 2.598 | 1052.992 | 1072.384 | 0.0 | -91.633 | -90.053 | 0.0 |
| 80 | 8037 | 8038 | SN | 1 | 48.661 | 49.309 | 0.0 | 0.003 | 6.028 | 1.549 | 1021.688 | 1067.848 | 6.886 | -91.466 | -89.75 | 0.0 |
| 81 | 8037 | 8038 | NS | 1 | 48.804 | 49.447 | 0.0 | 0.003 | 41.878 | 2.601 | 1053.008 | 1072.32 | 0.0 | -91.646 | -90.054 | 0.0 |
| 82 | 8037 | 8038 | SN | 2 | 48.661 | 49.309 | 0.0 | 0.003 | 6.028 | 2.609 | 1021.688 | 1068.488 | 6.323 | -91.466 | -89.75 | 0.0 |
| 83 | 8037 | 8038 | SN | 1 | 48.661 | 49.309 | 0.0 | 0.003 | 6.028 | 2.609 | 1021.688 | 1068.488 | 6.323 | -91.466 | -89.75 | 0.0 |
| 84 | 8038 | 8039 | NS | 1 | 48.801 | 49.422 | 0.0 | 0.003 | 266.424 | 2.766 | 1052.712 | 1072.48 | 0.0 | -91.633 | -90.043 | 0.0 |
| 85 | 8038 | 8039 | SN | 1 | 48.664 | 49.33 | 0.0 | 0.0 | 32.199 | 2.542 | 1021.912 | 1068.744 | 6.825 | -91.759 | -89.761 | 0.0 |
| 86 | 8039 | 8040 | NS | 1 | 48.852 | 49.423 | 0.0 | 0.003 | 265.79 | 2.662 | 1052.608 | 1072.664 | 0.0 | -91.65 | -90.044 | 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 |

| | |
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|  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 | 8015 | 8016 | SN | 1 | -34.789 | 25.506 | 2.163 | -34.264 | 25.906 | 3.093 | -10.13 | 28.982 | 17.817 | -30.551 | 30.311 | 30.676 | 0.116 | 291.955 | 4.279 | 0.116 | 258.778 | 3.705 | 0.116 | 1.09 | 0.002 | 0.116 | 110.114 | 0.005 | |
| 2 | 8015 | 8016 | SN | 1 | -34.95 | 25.506 | 2.17 | -34.569 | 25.908 | 3.101 | -10.128 | 28.982 | 17.811 | -30.409 | 30.311 | 30.679 | 0.116 | 302.964 | 4.285 | 0.116 | 277.604 | 3.696 | 0.116 | 1.089 | 0.002 | 0.116 | 106.553 | 0.005 | |
| 3 | 8015 | 8016 | SN | 1 | -34.95 | 25.506 | 1.24 | -34.569 | 25.908 | 3.218 | -10.128 | 28.982 | 17.692 | -30.409 | 30.311 | 30.679 | 0.116 | 302.964 | 4.522 | 0.116 | 277.604 | 4.119 | 0.116 | 1.089 | 0.002 | 0.116 | 106.553 | 0.005 | |
| 4 | 8016 | 8017 | SN | 1 | -34.993 | 27.173 | 1.922 | -34.838 | 27.314 | 2.711 | 7.067 | 32.838 | 17.141 | 6.029 | 30.547 | 20.195 | 0.116 | 305.972 | 4.269 | 0.116 | 295.327 | 3.609 | 0.116 | 0.131 | 0.0 | 0.116 | 0.135 | 0.0 | |
| 5 | 8016 | 8017 | NS | 1 | -34.908 | 28.77 | 0.142 | -34.026 | 29.633 | 0.079 | 2.785 | 33.467 | 12.585 | 2.983 | 35.21 | 27.505 | 0.116 | 300.037 | 2.754 | 0.116 | 244.909 | 3.088 | 0.116 | 0.158 | 0.0 | 0.116 | 0.156 | 0.0 | |
| 6 | 8016 | 8017 | NS | 1 | -34.137 | 28.77 | 0.142 | -34.473 | 29.633 | 0.079 | 2.785 | 33.468 | 12.577 | 2.983 | 35.212 | 27.506 | 0.116 | 251.278 | 2.748 | 0.116 | 271.477 | 3.085 | 0.116 | 0.158 | 0.0 | 0.116 | 0.156 | 0.0 | |
| 7 | 8016 | 8017 | SN | 2 | -34.993 | 27.173 | 1.895 | -34.838 | 27.314 | 2.638 | 7.067 | 32.838 | 17.141 | 6.029 | 30.547 | 20.195 | 0.116 | 305.972 | 4.152 | 0.116 | 295.327 | 3.512 | 0.116 | 0.131 | 0.0 | 0.116 | 0.135 | 0.0 | |
| 8 | 8016 | 8017 | SN | 1 | -34.993 | 27.173 | 1.895 | -34.838 | 27.314 | 2.638 | 7.067 | 32.838 | 17.141 | 6.029 | 30.547 | 20.195 | 0.116 | 305.972 | 4.152 | 0.116 | 295.327 | 3.512 | 0.116 | 0.131 | 0.0 | 0.116 | 0.135 | 0.0 | |
| 9 | 8017 | 8018 | SN | 1 | -34.974 | 25.478 | 0.285 | -34.951 | 25.807 | 0.514 | 6.416 | 29.463 | 20.369 | 6.179 | 30.165 | 24.877 | 0.116 | 304.691 | 5.301 | 0.116 | 303.095 | 4.15 | 0.116 | 0.134 | 0.0 | 0.116 | 0.134 | 0.0 | |
| 10 | 8017 | 8018 | SN | 1 | -34.939 | 25.478 | 0.29 | -34.586 | 25.807 | 0.517 | 6.414 | 29.463 | 20.372 | 6.181 | 30.165 | 24.87 | 0.116 | 302.172 | 5.343 | 0.116 | 278.649 | 4.2 | 0.116 | 0.134 | 0.0 | 0.116 | 0.134 | 0.0 | |
| 11 | 8017 | 8018 | SN | 1 | -34.974 | 25.478 | 0.29 | -34.951 | 25.807 | 0.516 | 6.416 | 29.463 | 20.369 | 6.179 | 30.165 | 24.877 | 0.116 | 304.691 | 5.389 | 0.116 | 303.095 | 4.21 | 0.116 | 0.134 | 0.0 | 0.116 | 0.134 | 0.0 | |
| 12 | 8017 | 8018 | NS | 1 | -34.734 | 27.115 | 0.038 | -33.294 | 26.692 | 0.038 | -1.183 | 30.023 | 11.381 | -11.175 | 29.878 | 22.137 | 0.116 | 288.3 | 5.328 | 0.116 | 206.968 | 5.559 | 0.116 | 0.228 | 0.0 | 0.116 | 1.459 | 0.002 | |
| 13 | 8017 | 8018 | NS | 2 | -34.734 | 27.115 | 0.038 | -34.886 | 26.692 | 0.038 | -1.183 | 30.023 | 11.378 | -11.175 | 29.878 | 22.135 | 0.116 | 288.3 | 5.329 | 0.116 | 298.576 | 5.558 | 0.116 | 0.228 | 0.0 | 0.116 | 1.459 | 0.002 | |
| 14 | 8018 | 8019 | NS | 1 | -34.662 | 26.811 | 0.026 | -34.866 | 27.294 | 0.026 | -12.733 | 29.455 | 11.994 | -6.639 | 30.422 | 22.354 | 0.116 | 283.595 | 10.12 | 0.116 | 297.154 | 9.997 | 0.116 | 1.908 | 0.002 | 0.116 | 0.541 | 0.0 | |
| 15 | 8018 | 8019 | SN | 1 | -34.673 | 26.482 | 0.231 | -34.6 | 26.578 | 0.357 | 6.662 | 28.938 | 18.537 | 7.432 | 28.969 | 11.82 | 0.116 | 284.242 | 5.501 | 0.116 | 279.543 | 4.898 | 0.116 | 0.132 | 0.0 | 0.116 | 0.13 | 0.0 | |
| 16 | 8018 | 8019 | SN | 1 | -34.905 | 26.482 | 0.236 | -34.604 | 26.578 | 0.363 | 6.662 | 28.938 | 18.575 | 7.432 | 28.969 | 11.782 | 0.116 | 299.897 | 5.609 | 0.116 | 279.865 | 4.989 | 0.116 | 0.132 | 0.0 | 0.116 | 0.13 | 0.0 | |
| 17 | 8018 | 8019 | SN | 1 | -34.818 | 26.482 | 0.231 | -34.6 | 26.578 | 0.357 | 6.662 | 28.938 | 18.537 | 7.432 | 28.969 | 11.82 | 0.116 | 293.937 | 5.507 | 0.116 | 279.543 | 4.903 | 0.116 | 0.132 | 0.0 | 0.116 | 0.13 | 0.0 | |
| 18 | 8019 | 8020 | NS | 1 | -32.972 | 22.057 | 0.004 | -33.536 | 22.91 | 0.005 | -10.547 | 29.206 | 5.762 | -7.331 | 32.201 | 11.525 | 0.116 | 192.217 | 2.438 | 0.116 | 218.802 | 2.408 | 0.116 | 1.19 | 0.001 | 0.116 | 0.618 | 0.0 | |
| 19 | 8019 | 8020 | SN | 1 | -34.968 | 25.762 | 0.382 | -34.741 | 26.169 | 0.487 | 6.632 | 28.969 | 20.166 | 7.8 | 29.368 | 20.946 | 0.116 | 304.316 | 3.594 | 0.116 | 288.773 | 3.533 | 0.116 | 0.133 | 0.0 | 0.116 | 0.128 | 0.0 | |
| 20 | 8019 | 8020 | NS | 2 | -32.972 | 22.057 | 0.004 | -33.536 | 22.91 | 0.005 | -10.547 | 29.206 | 5.762 | -7.331 | 32.201 | 11.526 | 0.116 | 192.217 | 2.438 | 0.116 | 218.802 | 2.411 | 0.116 | 1.19 | 0.001 | 0.116 | 0.618 | 0.0 | |
| 21 | 8019 | 8020 | SN | 1 | -34.793 | 25.762 | 0.371 | -34.998 | 26.169 | 0.477 | 6.632 | 28.969 | 20.002 | 7.8 | 29.368 | 20.208 | 0.116 | 292.292 | 3.489 | 0.116 | 306.327 | 3.459 | 0.116 | 0.133 | 0.0 | 0.116 | 0.128 | 0.0 | |
| 22 | 8019 | 8020 | SN | 1 | -34.968 | 25.762 | 0.371 | -34.741 | 26.169 | 0.478 | 6.632 | 28.969 | 20.002 | 7.8 | 29.368 | 20.2 | 0.116 | 304.316 | 3.49 | 0.116 | 288.773 | 3.451 | 0.116 | 0.133 | 0.0 | 0.116 | 0.128 | 0.0 | |
| 23 | 8020 | 8021 | NS | 1 | -34.747 | 21.652 | 0.0 | -34.629 | 21.83 | 0.0 | -5.072 | 28.58 | 7.713 | -8.596 | 29.916 | 14.011 | 0.116 | 289.198 | 4.934 | 0.116 | 281.423 | 4.421 | 0.116 | 0.407 | 0.0 | 0.116 | 0.794 | 0.0 | |
| 24 | 8020 | 8021 | NS | 1 | -34.857 | 21.652 | 0.0 | -34.95 | 21.83 | 0.0 | -5.074 | 28.58 | 7.787 | -8.596 | 29.916 | 14.017 | 0.116 | 296.561 | 4.931 | 0.116 | 302.952 | 4.422 | 0.116 | 0.407 | 0.0 | 0.116 | 0.794 | 0.0 | |
| 25 | 8020 | 8021 | SN | 1 | -34.973 | 25.147 | 0.004 | -34.158 | 26.528 | 0.011 | 6.312 | 28.122 | 17.911 | 9.012 | 29.444 | 24.477 | 0.116 | 304.645 | 2.688 | 0.116 | 252.44 | 2.106 | 0.116 | 0.134 | 0.0 | 0.116 | 0.125 | 0.0 | |
| 26 | 8020 | 8021 | SN | 2 | -34.973 | 25.147 | 0.004 | -34.158 | 26.528 | 0.011 | 6.312 | 28.122 | 17.892 | 9.012 | 29.444 | 24.477 | 0.116 | 304.645 | 2.675 | 0.116 | 252.44 | 2.093 | 0.116 | 0.134 | 0.0 | 0.116 | 0.125 | 0.0 | |
| 27 | 8020 | 8021 | SN | 1 | -34.973 | 25.147 | 0.004 | -34.158 | 26.528 | 0.011 | 6.312 | 28.122 | 17.892 | 9.012 | 29.444 | 24.477 | 0.116 | 304.645 | 2.675 | 0.116 | 252.44 | 2.093 | 0.116 | 0.134 | 0.0 | 0.116 | 0.125 | 0.0 | |
| 28 | 8021 | 8022 | NS | 1 | -34.807 | 26.343 | 0.6 | -34.694 | 27.056 | 0.868 | -5.832 | 29.509 | 12.412 | -5.156 | 30.891 | 18.11 | 0.116 | 293.195 | 4.149 | 0.116 | 285.67 | 3.889 | 0.116 | 0.466 | 0.0 | 0.116 | 0.413 | 0.0 | |
| 29 | 8021 | 8022 | NS | 1 | -34.807 | 26.343 | 0.6 | -34.694 | 27.056 | 0.868 | -5.832 | 29.509 | 12.402 | -5.156 | 30.891 | 18.229 | 0.116 | 293.195 | 4.149 | 0.116 | 285.67 | 3.889 | 0.116 | 0.466 | 0.0 | 0.116 | 0.413 | 0.0 | |
| 30 | 8021 | 8022 | SN | 2 | -34.043 | 23.716 | 0.001 | -34.75 | 23.971 | 0.009 | 6.242 | 28.646 | 14.42 | 8.35 | 31.363 | 20.179 | 0.116 | 245.883 | 2.689 | 0.116 | 289.361 | 2.254 | 0.116 | 0.134 | 0.0 | 0.116 | 0.127 | 0.0 | |
| 31 | 8021 | 8022 | SN | 1 | -34.877 | 23.716 | 0.001 | -34.758 | 23.974 | 0.01 | 6.242 | 28.646 | 14.469 | 8.35 | 31.363 | 20.122 | 0.116 | 297.95 | 2.777 | 0.116 | 289.93 | 2.331 | 0.116 | 0.134 | 0.0 | 0.116 | 0.127 | 0.0 | |
| 32 | 8021 | 8022 | SN | 1 | -34.208 | 23.716 | 0.001 | -34.758 | 23.971 | 0.009 | 6.242 | 28.646 | 14.419 | 8.35 | 31.363 | 20.182 | 0.116 | 255.427 | 2.689 | 0.116 | 289.93 | 2.254 | 0.116 | 0.134 | 0.0 | 0.116 | 0.127 | 0.0 | |
| 33 | 8022 | 8023 | SN | 1 | -33.642 | 24.884 | 0.157 | -34.275 | 25.306 | 0.203 | 2.217 | 33.603 | 14.496 | 4.547 | 32.733 | 19.852 | 0.116 | 224.275 | 4.448 | 0.116 | 259.407 | 3.042 | 0.116 | 0.165 | 0.0 | 0.116 | 0.144 | 0.0 | |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 34 | 8022 | 8023 | SN | 1 | -33.642 | 24.884 | 0.17 | -34.275 | 25.306 | 0.228 | 2.217 | 33.603 | 14.834 | 4.547 | 32.733 | 19.825 | 0.116 | 224.275 | 4.832 | 0.116 | 259.407 | 3.404 | 0.116 | 0.165 | 0.0 | 0.116 | 0.144 | 0.0 |
| 35 | 8022 | 8023 | NS | 1 | -34.943 | 26.528 | 0.949 | -34.795 | 27.243 | 1.11 | 5.175 | 31.573 | 12.751 | 7.972 | 30.396 | 22.39 | 0.116 | 302.557 | 2.441 | 0.116 | 292.372 | 2.64 | 0.116 | 0.14 | 0.0 | 0.116 | 0.128 | 0.0 |
| 36 | 8022 | 8023 | SN | 2 | -33.642 | 24.884 | 0.157 | -34.275 | 25.306 | 0.203 | 2.217 | 33.603 | 14.496 | 4.547 | 32.733 | 19.852 | 0.116 | 224.275 | 4.448 | 0.116 | 259.407 | 3.042 | 0.116 | 0.165 | 0.0 | 0.116 | 0.144 | 0.0 |
| 37 | 8022 | 8023 | NS | 1 | -34.943 | 26.525 | 0.953 | -34.683 | 27.243 | 1.112 | 5.175 | 31.573 | 12.754 | 7.974 | 30.396 | 22.385 | 0.116 | 302.557 | 2.431 | 0.116 | 284.973 | 2.625 | 0.116 | 0.14 | 0.0 | 0.116 | 0.128 | 0.0 |
| 38 | 8023 | 8024 | NS | 1 | -34.971 | 25.654 | 0.376 | -34.736 | 26.155 | 0.582 | -2.676 | 28.716 | 20.966 | -2.221 | 29.636 | 38.515 | 0.116 | 304.43 | 2.947 | 0.116 | 288.445 | 2.585 | 0.116 | 0.278 | 0.0 | 0.116 | 0.261 | 0.0 |
| 39 | 8023 | 8024 | SN | 2 | -34.592 | 27.345 | 0.141 | -34.854 | 28.114 | 0.194 | -14.987 | 30.001 | 20.511 | -5.273 | 30.467 | 23.471 | 0.116 | 279.085 | 5.098 | 0.116 | 296.367 | 4.162 | 0.116 | 3.144 | 0.002 | 0.116 | 0.422 | 0.0 |
| 40 | 8023 | 8024 | SN | 1 | -34.618 | 27.345 | 0.141 | -34.775 | 28.114 | 0.194 | -14.984 | 30.001 | 20.514 | -5.273 | 30.467 | 23.473 | 0.116 | 280.71 | 5.099 | 0.116 | 291.027 | 4.162 | 0.116 | 3.143 | 0.002 | 0.116 | 0.422 | 0.0 |
| 41 | 8023 | 8024 | NS | 1 | -34.326 | 25.654 | 0.377 | -34.936 | 26.155 | 0.583 | -2.684 | 28.716 | 20.961 | -2.221 | 29.636 | 38.513 | 0.116 | 262.445 | 2.941 | 0.116 | 301.994 | 2.573 | 0.116 | 0.279 | 0.0 | 0.116 | 0.261 | 0.0 |
| 42 | 8024 | 8025 | NS | 1 | -34.816 | 28.516 | 0.472 | -34.878 | 26.79 | 0.624 | -28.39 | 30.605 | 15.915 | -25.268 | 30.458 | 30.265 | 0.116 | 293.88 | 5.707 | 0.116 | 298.032 | 5.025 | 0.116 | 66.981 | 0.135 | 0.116 | 32.683 | 0.097 |
| 43 | 8024 | 8025 | NS | 1 | -34.798 | 28.516 | 0.472 | -34.906 | 26.793 | 0.625 | -28.826 | 30.605 | 15.75 | -24.653 | 30.454 | 30.23 | 0.116 | 292.623 | 5.715 | 0.116 | 299.94 | 5.04 | 0.116 | 74.034 | 0.135 | 0.116 | 28.372 | 0.094 |
| 44 | 8025 | 8026 | NS | 1 | -34.985 | 26.636 | 0.528 | -34.292 | 26.293 | 0.54 | 4.587 | 29.942 | 19.729 | -16.851 | 34.005 | 31.87 | 0.116 | 305.476 | 4.844 | 0.116 | 260.453 | 5.189 | 0.116 | 0.143 | 0.0 | 0.116 | 4.783 | 0.002 |
| 45 | 8030 | 8031 | SN | 1 | -34.786 | 26.259 | 2.299 | -34.716 | 27.059 | 3.306 | -22.366 | 36.383 | 20.972 | -17.832 | 29.621 | 28.566 | 0.116 | 291.797 | 3.799 | 0.116 | 287.079 | 3.367 | 0.116 | 16.8 | 0.024 | 0.116 | 5.972 | 0.017 |
| 46 | 8030 | 8031 | NS | 1 | -34.861 | 29.09 | 0.431 | -34.792 | 28.808 | 0.082 | 7.355 | 32.684 | 16.97 | 7.656 | 32.156 | 30.937 | 0.116 | 296.836 | 5.114 | 0.116 | 292.118 | 4.282 | 0.116 | 0.13 | 0.0 | 0.116 | 0.129 | 0.0 |
| 47 | 8030 | 8031 | SN | 1 | -34.786 | 26.259 | 1.5 | -34.716 | 27.059 | 3.485 | -22.366 | 36.383 | 20.972 | -17.832 | 29.621 | 28.567 | 0.116 | 291.797 | 4.027 | 0.116 | 287.079 | 3.571 | 0.116 | 16.8 | 0.024 | 0.116 | 5.972 | 0.017 |
| 48 | 8030 | 8031 | NS | 1 | -34.622 | 29.09 | 0.431 | -34.786 | 28.808 | 0.081 | 7.355 | 32.684 | 17.012 | 7.656 | 32.158 | 30.937 | 0.116 | 280.92 | 5.115 | 0.116 | 291.729 | 4.286 | 0.116 | 0.13 | 0.0 | 0.116 | 0.129 | 0.0 |
| 49 | 8030 | 8031 | SN | 2 | -34.786 | 26.259 | 2.299 | -34.716 | 27.059 | 3.306 | -22.366 | 36.383 | 20.972 | -17.832 | 29.621 | 28.566 | 0.116 | 291.797 | 3.799 | 0.116 | 287.079 | 3.367 | 0.116 | 16.8 | 0.024 | 0.116 | 5.972 | 0.017 |
| 50 | 8031 | 8032 | NS | 1 | -34.357 | 27.986 | 0.066 | -34.991 | 28.679 | 0.078 | -8.934 | 33.476 | 10.158 | -2.549 | 30.077 | 22.794 | 0.116 | 264.34 | 7.623 | 0.116 | 305.88 | 7.657 | 0.116 | 0.85 | 0.0 | 0.116 | 0.274 | 0.0 |
| 51 | 8031 | 8032 | SN | 1 | -34.96 | 26.306 | 1.025 | -34.866 | 26.412 | 1.482 | 5.132 | 29.638 | 16.692 | 5.634 | 30.674 | 21.271 | 0.116 | 303.676 | 7.245 | 0.116 | 297.242 | 6.07 | 0.116 | 0.14 | 0.0 | 0.116 | 0.137 | 0.0 |
| 52 | 8031 | 8032 | SN | 1 | -34.96 | 26.306 | 1.005 | -34.866 | 26.412 | 1.453 | 5.132 | 29.638 | 16.692 | 5.634 | 30.674 | 21.271 | 0.116 | 303.676 | 7.099 | 0.116 | 297.242 | 5.949 | 0.116 | 0.14 | 0.0 | 0.116 | 0.137 | 0.0 |
| 53 | 8031 | 8032 | NS | 2 | -33.814 | 27.984 | 0.066 | -34.959 | 28.679 | 0.078 | -8.934 | 33.476 | 10.159 | -2.551 | 30.077 | 22.789 | 0.116 | 233.288 | 7.622 | 0.116 | 303.595 | 7.657 | 0.116 | 0.85 | 0.0 | 0.116 | 0.274 | 0.0 |
| 54 | 8031 | 8032 | SN | 1 | -34.86 | 26.306 | 1.004 | -34.673 | 26.412 | 1.45 | 5.132 | 29.638 | 16.694 | 5.634 | 30.674 | 21.269 | 0.116 | 296.788 | 7.083 | 0.116 | 284.29 | 6.011 | 0.116 | 0.14 | 0.0 | 0.116 | 0.137 | 0.0 |
| 55 | 8032 | 8033 | NS | 1 | -34.971 | 25.071 | 0.018 | -34.985 | 26.154 | 0.024 | -27.959 | 30.786 | 12.423 | -9.749 | 29.729 | 22.389 | 0.116 | 304.488 | 5.97 | 0.116 | 305.492 | 5.757 | 0.116 | 60.653 | 0.004 | 0.116 | 1.006 | 0.002 |
| 56 | 8032 | 8033 | SN | 1 | -34.92 | 25.957 | 0.364 | -34.906 | 26.248 | 0.441 | 7.307 | 29.885 | 25.374 | 8.164 | 30.274 | 26.692 | 0.116 | 300.971 | 3.867 | 0.116 | 300.006 | 3.212 | 0.116 | 0.13 | 0.0 | 0.116 | 0.127 | 0.0 |
| 57 | 8032 | 8033 | SN | 1 | -34.676 | 25.957 | 0.363 | -34.994 | 26.248 | 0.441 | 7.307 | 29.885 | 25.374 | 8.164 | 30.274 | 26.692 | 0.116 | 284.452 | 3.861 | 0.116 | 306.098 | 3.212 | 0.116 | 0.13 | 0.0 | 0.116 | 0.127 | 0.0 |
| 58 | 8032 | 8033 | SN | 1 | -34.92 | 25.957 | 0.37 | -34.906 | 26.248 | 0.446 | 7.307 | 29.885 | 25.373 | 8.164 | 30.274 | 26.741 | 0.116 | 300.971 | 3.933 | 0.116 | 300.006 | 3.262 | 0.116 | 0.13 | 0.0 | 0.116 | 0.127 | 0.0 |
| 59 | 8033 | 8034 | SN | 1 | -34.96 | 25.732 | 0.313 | -34.55 | 26.9 | 0.396 | 6.872 | 28.419 | 17.729 | 7.194 | 29.474 | 13.315 | 0.116 | 303.685 | 3.514 | 0.116 | 276.401 | 2.618 | 0.116 | 0.132 | 0.0 | 0.116 | 0.13 | 0.0 |
| 60 | 8033 | 8034 | NS | 2 | -34.919 | 23.334 | 0.008 | -33.864 | 23.219 | 0.011 | -6.069 | 29.594 | 6.96 | -13.725 | 30.062 | 14.038 | 0.116 | 300.795 | 1.748 | 0.116 | 235.941 | 1.611 | 0.116 | 0.486 | 0.0 | 0.116 | 2.374 | 0.003 |
| 61 | 8033 | 8034 | SN | 1 | -34.662 | 25.732 | 0.313 | -34.742 | 26.9 | 0.396 | 6.872 | 28.419 | 17.724 | 7.194 | 29.474 | 13.315 | 0.116 | 283.599 | 3.513 | 0.116 | 288.878 | 2.619 | 0.116 | 0.132 | 0.0 | 0.116 | 0.13 | 0.0 |
| 62 | 8033 | 8034 | SN | 1 | -34.662 | 25.732 | 0.321 | -34.742 | 26.9 | 0.404 | 6.872 | 28.419 | 17.752 | 7.194 | 29.474 | 13.499 | 0.116 | 283.599 | 3.598 | 0.116 | 288.878 | 2.672 | 0.116 | 0.132 | 0.0 | 0.116 | 0.13 | 0.0 |
| 63 | 8033 | 8034 | NS | 1 | -34.919 | 23.334 | 0.008 | -33.864 | 23.219 | 0.011 | -6.069 | 29.594 | 6.96 | -13.725 | 30.062 | 14.039 | 0.116 | 300.795 | 1.748 | 0.116 | 235.941 | 1.612 | 0.116 | 0.486 | 0.0 | 0.116 | 2.374 | 0.003 |
| 64 | 8034 | 8035 | NS | 1 | -34.498 | 23.329 | 0.003 | -34.755 | 21.821 | 0.0 | -3.129 | 28.829 | 8.076 | -4.354 | 35.496 | 15.218 | 0.116 | 273.047 | 3.39 | 0.116 | 289.716 | 2.726 | 0.116 | 0.298 | 0.0 | 0.116 | 0.361 | 0.0 |
| 65 | 8034 | 8035 | SN | 1 | -34.656 | 24.435 | 0.058 | -34.97 | 23.986 | 0.101 | 6.42 | 28.801 | 18.703 | 7.712 | 29.415 | 22.544 | 0.116 | 283.155 | 3.189 | 0.116 | 304.391 | 2.55 | 0.116 | 0.134 | 0.0 | 0.116 | 0.129 | 0.0 |
| 66 | 8034 | 8035 | SN | 1 | -34.656 | 24.435 | 0.056 | -34.97 | 23.986 | 0.098 | 6.42 | 28.801 | 18.247 | 7.712 | 29.415 | 21.993 | 0.116 | 283.155 | 3.087 | 0.116 | 304.391 | 2.469 | 0.116 | 0.134 | 0.0 | 0.116 | 0.129 | 0.0 |
| 67 | 8034 | 8035 | NS | 1 | -33.477 | 23.334 | 0.003 | -34.782 | 21.821 | 0.0 | -3.129 | 28.827 | 8.075 | -4.354 | 35.496 | 15.224 | 0.116 | 215.833 | 3.386 | 0.116 | 291.539 | 2.725 | 0.116 | 0.298 | 0.0 | 0.116 | 0.361 | 0.0 |
| 68 | 8034 | 8035 | SN | 2 | -34.656 | 24.435 | 0.056 | -34.97 | 23.986 | 0.098 | 6.42 | 28.801 | 18.247 | 7.712 | 29.415 | 21.993 | 0.116 | 283.155 | 3.087 | 0.116 | 304.391 | 2.469 | 0.116 | 0.134 | 0.0 | 0.116 | 0.129 | 0.0 |
| 69 | 8035 | 8036 | SN | 1 | -34.326 | 21.992 | 0.0 | -34.847 | 22.215 | 0.001 | 5.308 | 28.592 | 17.249 | 8.342 | 29.449 | 21.509 | 0.116 | 262.49 | 5.401 | 0.116 | 295.926 | 5.225 | 0.116 | 0.139 | 0.0 | 0.116 | 0.127 | 0.0 |
| 70 | 8035 | 8036 | NS | 1 | -34.895 | 24.936 | 0.394 | -34.359 | 27.549 | 0.502 | -13.525 | 30.385 | 7.885 | -22.392 | 31.23 | 14.131 | 0.116 | 299.17 | 5.063 | 0.116 | 264.461 | 4.275 | 0.116 | 2.272 | 0.016 | 0.116 | 16.902 | 0.002 |
| 71 | 8035 | 8036 | SN | 1 | -34.326 | 21.992 | 0.0 | -34.847 | 22.243 | 0.001 | 5.308 | 28.592 | 16.21 | 8.342 | 29.449 | 21.294 | 0.116 | 262.49 | 5.18 | 0.116 | 295.926 | 4.941 | 0.116 | 0.139 | 0.0 | 0.116 | 0.127 | 0.0 |
| 72 | 8035 | 8036 | NS | 1 | -34.86 | 24.936 | 0.381 | -34.359 | 27.549 | 0.502 | -13.525 | 30.385 | 7.857 | -22.392 | 31.23 | 14.064 | 0.116 | 296.786 | 5.068 | 0.116 | 264.461 | 4.275 | 0.116 | 2.272 | 0.016 | 0.116 | 16.902 | 0.002 |

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

 Normal
 Deviations
 Alarming
 High Errors

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|--------|--------|--------|-------|---------|--------|-------|---------|-------|-------|--------|-------|-------|-------|-----|
| 73 | 8035 | 8036 | SN | 2 | -34.326 | 21.992 | 0.0 | -34.847 | 22.242 | 0.001 | 5.308 | 28.592 | 16.213 | 8.342 | 29.449 | 21.294 | 0.116 | 262.49 | 5.18 | 0.116 | 295.926 | 4.941 | 0.116 | 0.139 | 0.0 | 0.116 | 0.127 | 0.0 |
| 74 | 8036 | 8037 | NS | 1 | -32.474 | 27.591 | 0.489 | -34.868 | 26.774 | 0.681 | 7.664 | 29.511 | 17.289 | 8.028 | 30.068 | 26.518 | 0.116 | 171.397 | 1.541 | 0.116 | 297.291 | 1.416 | 0.116 | 0.129 | 0.0 | 0.116 | 0.128 | 0.0 |
| 75 | 8036 | 8037 | SN | 1 | -34.67 | 24.95 | 0.208 | -33.729 | 25.619 | 0.248 | 6.204 | 34.613 | 13.489 | 6.778 | 36.383 | 19.028 | 0.116 | 284.044 | 1.258 | 0.116 | 240.548 | 0.981 | 0.116 | 0.134 | 0.0 | 0.116 | 0.132 | 0.0 |
| 76 | 8036 | 8037 | SN | 1 | -34.85 | 24.949 | 0.224 | -34.813 | 25.62 | 0.265 | 6.204 | 34.613 | 13.784 | 6.781 | 36.383 | 18.949 | 0.116 | 296.145 | 1.362 | 0.116 | 293.668 | 1.11 | 0.116 | 0.134 | 0.0 | 0.116 | 0.132 | 0.0 |
| 77 | 8036 | 8037 | SN | 1 | -34.85 | 24.949 | 0.209 | -34.813 | 25.62 | 0.238 | 6.204 | 34.613 | 13.187 | 6.781 | 36.383 | 18.983 | 0.116 | 296.145 | 1.268 | 0.116 | 293.668 | 0.987 | 0.116 | 0.134 | 0.0 | 0.116 | 0.132 | 0.0 |
| 78 | 8036 | 8037 | NS | 1 | -33.488 | 27.59 | 0.488 | -34.198 | 26.774 | 0.681 | 7.681 | 29.509 | 17.272 | 8.025 | 30.068 | 26.508 | 0.116 | 216.423 | 1.54 | 0.116 | 254.823 | 1.414 | 0.116 | 0.129 | 0.0 | 0.116 | 0.128 | 0.0 |
| 79 | 8037 | 8038 | NS | 1 | -34.342 | 25.761 | 0.609 | -33.256 | 26.736 | 0.792 | -2.865 | 31.092 | 17.982 | 1.493 | 30.782 | 31.315 | 0.116 | 263.362 | 2.456 | 0.116 | 205.18 | 2.41 | 0.116 | 0.286 | 0.0 | 0.116 | 0.174 | 0.0 |
| 80 | 8037 | 8038 | SN | 1 | -34.342 | 27.562 | 0.407 | -33.907 | 27.757 | 0.491 | -6.421 | 30.676 | 17.875 | -1.896 | 31.383 | 21.689 | 0.116 | 263.446 | 5.859 | 0.116 | 238.358 | 4.473 | 0.116 | 0.519 | 0.0 | 0.116 | 0.25 | 0.0 |
| 81 | 8037 | 8038 | NS | 1 | -34.549 | 25.778 | 0.612 | -33.551 | 26.736 | 0.793 | -2.865 | 31.094 | 17.983 | 1.493 | 30.782 | 31.321 | 0.116 | 276.244 | 2.455 | 0.116 | 219.618 | 2.403 | 0.116 | 0.286 | 0.0 | 0.116 | 0.174 | 0.0 |
| 82 | 8037 | 8038 | SN | 2 | -34.342 | 27.562 | 0.368 | -33.907 | 27.757 | 0.417 | -6.4 | 30.676 | 16.793 | -1.896 | 31.383 | 21.637 | 0.116 | 263.446 | 5.309 | 0.116 | 238.358 | 3.785 | 0.116 | 0.517 | 0.0 | 0.116 | 0.25 | 0.0 |
| 83 | 8037 | 8038 | SN | 1 | -34.342 | 27.562 | 0.368 | -33.907 | 27.757 | 0.417 | -6.4 | 30.676 | 16.793 | -1.896 | 31.383 | 21.637 | 0.116 | 263.446 | 5.309 | 0.116 | 238.358 | 3.785 | 0.116 | 0.517 | 0.0 | 0.116 | 0.25 | 0.0 |
| 84 | 8038 | 8039 | NS | 1 | -34.878 | 28.491 | 0.396 | -34.889 | 26.418 | 0.595 | -6.073 | 29.036 | 27.715 | 0.402 | 30.006 | 42.891 | 0.116 | 298.087 | 3.865 | 0.116 | 298.779 | 3.224 | 0.116 | 0.487 | 0.0 | 0.116 | 0.192 | 0.0 |
| 85 | 8038 | 8039 | SN | 1 | -34.985 | 28.264 | 0.249 | -34.929 | 28.962 | 0.376 | -27.635 | 28.971 | 18.734 | 1.741 | 30.62 | 18.999 | 0.116 | 305.496 | 10.099 | 0.116 | 301.62 | 8.121 | 0.116 | 56.314 | 0.003 | 0.116 | 0.171 | 0.0 |
| 86 | 8039 | 8040 | NS | 1 | -34.515 | 27.436 | 0.275 | -34.889 | 25.623 | 0.297 | -1.615 | 31.927 | 16.508 | -4.019 | 32.801 | 30.128 | 0.116 | 274.079 | 6.275 | 0.116 | 298.748 | 6.5 | 0.116 | 0.241 | 0.0 | 0.116 | 0.342 | 0.0 |

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|--------------------------|------------|-------|-----|
| 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 | 8015 | 8016 | SN | 1 | 57.454 | 58.136 | 0.0 | 0.0 | 297.882 | 3.977 | 1196.584 | 1255.4 | 34.808 | -92.912 | -91.784 | 0.0 |
| 2 | 8015 | 8016 | SN | 1 | 57.454 | 58.133 | 0.0 | 0.0 | 297.882 | 3.981 | 1196.64 | 1255.312 | 34.747 | -92.927 | -91.784 | 0.0 |
| 3 | 8015 | 8016 | SN | 1 | 57.454 | 58.133 | 0.0 | 0.0 | 290.332 | 3.181 | 1196.64 | 1255.312 | 36.189 | -92.927 | -91.784 | 0.0 |
| 4 | 8016 | 8017 | SN | 1 | 57.445 | 58.11 | 0.0 | 0.0 | 291.049 | 3.355 | 1195.864 | 1255.2 | 33.725 | -92.858 | -91.785 | 0.0 |
| 5 | 8016 | 8017 | NS | 1 | 57.668 | 58.263 | 0.0 | 0.0 | 298.29 | 3.477 | 1235.768 | 1259.888 | 0.0 | -93.659 | -92.107 | 0.0 |
| 6 | 8016 | 8017 | NS | 1 | 57.675 | 58.263 | 0.0 | 0.0 | 298.29 | 3.474 | 1235.712 | 1259.832 | 0.0 | -93.659 | -92.107 | 0.0 |
| 7 | 8016 | 8017 | SN | 2 | 57.445 | 58.11 | 0.0 | 0.0 | 291.049 | 3.751 | 1195.864 | 1255.2 | 33.171 | -92.858 | -91.785 | 0.0 |
| 8 | 8016 | 8017 | SN | 1 | 57.445 | 58.11 | 0.0 | 0.0 | 291.049 | 3.752 | 1195.864 | 1255.2 | 33.171 | -92.858 | -91.785 | 0.0 |
| 9 | 8017 | 8018 | SN | 1 | 57.445 | 58.111 | 0.0 | 0.0 | 299.988 | 3.596 | 1195.68 | 1255.368 | 33.642 | -92.92 | -91.804 | 0.0 |
| 10 | 8017 | 8018 | SN | 1 | 57.445 | 58.111 | 0.0 | 0.0 | 299.988 | 3.213 | 1195.36 | 1255.368 | 33.969 | -92.92 | -91.804 | 0.0 |
| 11 | 8017 | 8018 | SN | 1 | 57.445 | 58.111 | 0.0 | 0.0 | 299.988 | 3.209 | 1195.68 | 1255.368 | 34.04 | -92.92 | -91.804 | 0.0 |
| 12 | 8017 | 8018 | NS | 1 | 57.68 | 58.264 | 0.0 | 0.003 | 298.582 | 3.399 | 1235.728 | 1260.048 | 0.0 | -93.658 | -92.075 | 0.0 |
| 13 | 8017 | 8018 | NS | 2 | 57.679 | 58.265 | 0.0 | 0.0 | 298.56 | 3.398 | 1235.712 | 1260.016 | 0.0 | -93.658 | -92.075 | 0.0 |
| 14 | 8018 | 8019 | NS | 1 | 57.674 | 58.263 | 0.0 | 0.0 | 296.856 | 3.499 | 1235.776 | 1260.232 | 0.0 | -93.659 | -92.121 | 0.0 |
| 15 | 8018 | 8019 | SN | 1 | 57.391 | 58.101 | 0.0 | 0.0 | 295.692 | 3.614 | 1196.168 | 1255.216 | 34.249 | -92.858 | -91.805 | 0.0 |
| 16 | 8018 | 8019 | SN | 1 | 57.435 | 58.101 | 0.0 | 0.0 | 295.692 | 3.203 | 1196.168 | 1255.216 | 34.73 | -92.858 | -91.805 | 0.0 |
| 17 | 8018 | 8019 | SN | 1 | 57.435 | 58.101 | 0.0 | 0.0 | 295.692 | 3.618 | 1196.168 | 1255.216 | 34.181 | -92.858 | -91.805 | 0.0 |
| 18 | 8019 | 8020 | NS | 1 | 57.674 | 58.264 | 0.0 | 0.0 | 291.881 | 3.703 | 1236.68 | 1260.592 | 0.0 | -93.026 | -92.09 | 0.0 |
| 19 | 8019 | 8020 | SN | 1 | 57.106 | 58.132 | 0.001 | 0.0 | 290.85 | 3.177 | 1192.848 | 1254.96 | 35.293 | -94.816 | -91.804 | 0.0 |
| 20 | 8019 | 8020 | NS | 2 | 57.674 | 58.264 | 0.0 | 0.0 | 291.881 | 3.703 | 1236.68 | 1260.592 | 0.0 | -93.026 | -92.09 | 0.0 |
| 21 | 8019 | 8020 | SN | 1 | 57.105 | 58.132 | 0.001 | 0.0 | 290.85 | 3.641 | 1192.84 | 1254.984 | 34.548 | -94.817 | -91.804 | 0.0 |
| 22 | 8019 | 8020 | SN | 1 | 57.106 | 58.132 | 0.001 | 0.0 | 290.85 | 3.647 | 1192.848 | 1254.96 | 34.473 | -94.816 | -91.804 | 0.0 |
| 23 | 8020 | 8021 | NS | 1 | 57.643 | 58.263 | 0.0 | 0.0 | 290.238 | 3.581 | 1236.72 | 1260.648 | 0.0 | -93.66 | -92.107 | 0.0 |
| 24 | 8020 | 8021 | NS | 1 | 57.644 | 58.268 | 0.0 | 0.003 | 290.205 | 3.585 | 1236.296 | 1260.68 | 0.0 | -93.66 | -92.106 | 0.0 |
| 25 | 8020 | 8021 | SN | 1 | 57.442 | 58.1 | 0.0 | 0.0 | 299.095 | 3.403 | 1196.312 | 1254.792 | 33.738 | -92.924 | -91.806 | 0.0 |
| 26 | 8020 | 8021 | SN | 2 | 57.442 | 58.1 | 0.0 | 0.0 | 299.095 | 3.628 | 1196.312 | 1254.792 | 33.562 | -92.924 | -91.806 | 0.0 |
| 27 | 8020 | 8021 | SN | 1 | 57.442 | 58.1 | 0.0 | 0.0 | 299.095 | 3.628 | 1196.312 | 1254.792 | 33.562 | -92.924 | -91.806 | 0.0 |
| 28 | 8021 | 8022 | NS | 1 | 57.682 | 58.265 | 0.0 | 0.003 | 299.652 | 3.531 | 1235.704 | 1260.24 | 0.0 | -93.019 | -92.121 | 0.0 |
| 29 | 8021 | 8022 | NS | 1 | 57.682 | 58.265 | 0.0 | 0.003 | 299.652 | 3.537 | 1235.704 | 1260.24 | 0.0 | -93.027 | -92.121 | 0.0 |
| 30 | 8021 | 8022 | SN | 2 | 57.452 | 58.115 | 0.0 | 0.0 | 299.773 | 3.779 | 1196.504 | 1254.696 | 33.41 | -92.891 | -91.785 | 0.0 |
| 31 | 8021 | 8022 | SN | 1 | 57.451 | 58.108 | 0.0 | 0.0 | 299.746 | 3.271 | 1196.216 | 1254.632 | 34.299 | -93.079 | -91.785 | 0.0 |
| 32 | 8021 | 8022 | SN | 1 | 57.451 | 58.108 | 0.0 | 0.0 | 299.746 | 3.776 | 1196.216 | 1254.632 | 33.404 | -93.079 | -91.785 | 0.0 |
| 33 | 8022 | 8023 | SN | 1 | 57.446 | 58.1 | 0.0 | 0.0 | 294.479 | 3.821 | 1196.656 | 1254.736 | 30.174 | -92.848 | -91.8 | 0.0 |
| 34 | 8022 | 8023 | SN | 1 | 57.446 | 58.1 | 0.0 | 0.0 | 288.434 | 2.826 | 1196.656 | 1254.736 | 31.998 | -92.848 | -91.8 | 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 |

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|----|------|------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|--------|---------|---------|-----|
| 35 | 8022 | 8023 | NS | 1 | 57.647 | 58.264 | 0.0 | 0.0 | 299.431 | 3.636 | 1235.552 | 1259.872 | 0.0 | -93.662 | -92.118 | 0.0 |
| 36 | 8022 | 8023 | SN | 2 | 57.446 | 58.1 | 0.0 | 0.0 | 294.479 | 3.821 | 1196.656 | 1254.736 | 30.174 | -92.848 | -91.8 | 0.0 |
| 37 | 8022 | 8023 | NS | 1 | 57.65 | 58.269 | 0.0 | 0.0 | 299.431 | 3.639 | 1236.288 | 1259.872 | 0.0 | -93.662 | -92.118 | 0.0 |
| 38 | 8023 | 8024 | NS | 1 | 57.643 | 58.263 | 0.0 | 0.0 | 296.944 | 3.595 | 1236.056 | 1259.944 | 0.0 | -93.662 | -92.074 | 0.0 |
| 39 | 8023 | 8024 | SN | 2 | 57.454 | 58.118 | 0.0 | 0.0 | 299.867 | 3.704 | 1196.352 | 1254.768 | 31.326 | -92.878 | -91.784 | 0.0 |
| 40 | 8023 | 8024 | SN | 1 | 57.453 | 58.117 | 0.0 | 0.0 | 299.889 | 3.702 | 1196.368 | 1254.728 | 31.304 | -92.888 | -91.784 | 0.0 |
| 41 | 8023 | 8024 | NS | 1 | 57.644 | 58.263 | 0.0 | 0.0 | 296.944 | 3.599 | 1235.52 | 1259.944 | 0.0 | -93.662 | -92.074 | 0.0 |
| 42 | 8024 | 8025 | NS | 1 | 57.656 | 58.265 | 0.0 | 0.0 | 296.685 | 3.663 | 1235.6 | 1260.208 | 0.0 | -93.665 | -92.096 | 0.0 |
| 43 | 8024 | 8025 | NS | 1 | 57.656 | 58.265 | 0.0 | 0.0 | 296.685 | 3.648 | 1235.728 | 1260.208 | 0.0 | -93.665 | -92.096 | 0.0 |
| 44 | 8025 | 8026 | NS | 1 | 57.682 | 58.265 | 0.0 | 0.0 | 298.003 | 3.451 | 1235.496 | 1260.304 | 0.0 | -93.144 | -92.118 | 0.0 |
| 45 | 8030 | 8031 | SN | 1 | 57.45 | 58.104 | 0.0 | 0.0 | 296.1 | 3.931 | 1196.584 | 1254.432 | 32.332 | -92.878 | -91.76 | 0.0 |
| 46 | 8030 | 8031 | NS | 1 | 57.652 | 58.265 | 0.0 | 0.0 | 296.095 | 3.662 | 1235.192 | 1260.168 | 0.0 | -93.667 | -92.102 | 0.0 |
| 47 | 8030 | 8031 | SN | 1 | 57.45 | 58.104 | 0.0 | 0.003 | 296.1 | 3.468 | 1196.584 | 1254.072 | 33.13 | -92.878 | -91.76 | 0.0 |
| 48 | 8030 | 8031 | NS | 1 | 57.654 | 58.265 | 0.0 | 0.0 | 296.095 | 3.665 | 1234.96 | 1260.168 | 0.0 | -93.667 | -92.102 | 0.0 |
| 49 | 8030 | 8031 | SN | 2 | 57.45 | 58.104 | 0.0 | 0.0 | 296.1 | 3.931 | 1196.584 | 1254.424 | 32.332 | -92.878 | -91.76 | 0.0 |
| 50 | 8031 | 8032 | NS | 1 | 57.679 | 58.266 | 0.0 | 0.0 | 296.806 | 3.507 | 1235.184 | 1260.344 | 0.0 | -93.667 | -92.093 | 0.0 |
| 51 | 8031 | 8032 | SN | 1 | 57.456 | 58.114 | 0.0 | 0.003 | 293.293 | 3.282 | 1196.344 | 1254.272 | 32.846 | -92.805 | -91.812 | 0.0 |
| 52 | 8031 | 8032 | SN | 1 | 57.456 | 58.114 | 0.0 | 0.0 | 293.293 | 3.684 | 1196.344 | 1254.408 | 32.444 | -92.805 | -91.812 | 0.0 |
| 53 | 8031 | 8032 | NS | 2 | 57.68 | 58.265 | 0.0 | 0.0 | 296.795 | 3.51 | 1235.032 | 1260.344 | 0.0 | -93.667 | -92.093 | 0.0 |
| 54 | 8031 | 8032 | SN | 1 | 57.436 | 58.114 | 0.0 | 0.0 | 293.293 | 3.68 | 1195.712 | 1254.408 | 32.516 | -92.805 | -91.812 | 0.0 |
| 55 | 8032 | 8033 | NS | 1 | 57.655 | 58.265 | 0.0 | 0.0 | 298.643 | 3.427 | 1235.2 | 1260.344 | 0.0 | -93.669 | -92.095 | 0.0 |
| 56 | 8032 | 8033 | SN | 1 | 57.441 | 58.099 | 0.0 | 0.0 | 299.862 | 3.621 | 1196.288 | 1254.448 | 32.985 | -92.881 | -91.811 | 0.0 |
| 57 | 8032 | 8033 | SN | 1 | 57.441 | 58.099 | 0.0 | 0.0 | 299.862 | 3.617 | 1196.24 | 1254.448 | 33.053 | -92.846 | -91.811 | 0.0 |
| 58 | 8032 | 8033 | SN | 1 | 57.441 | 58.099 | 0.0 | 0.0 | 299.862 | 3.211 | 1196.288 | 1254.256 | 33.428 | -92.85 | -91.811 | 0.0 |
| 59 | 8033 | 8034 | SN | 1 | 57.432 | 58.121 | 0.0 | 0.0 | 297.782 | 3.595 | 1196.272 | 1254.472 | 32.832 | -92.873 | -91.809 | 0.0 |
| 60 | 8033 | 8034 | NS | 2 | 57.664 | 58.265 | 0.0 | 0.0 | 291.104 | 3.605 | 1235.376 | 1260.416 | 0.0 | -93.668 | -92.102 | 0.0 |
| 61 | 8033 | 8034 | SN | 1 | 57.433 | 58.12 | 0.0 | 0.0 | 297.826 | 3.599 | 1196.552 | 1254.472 | 32.758 | -93.008 | -91.809 | 0.0 |
| 62 | 8033 | 8034 | SN | 1 | 57.433 | 58.12 | 0.0 | 0.0 | 297.826 | 3.169 | 1196.552 | 1254.04 | 33.362 | -93.008 | -91.809 | 0.0 |
| 63 | 8033 | 8034 | NS | 1 | 57.664 | 58.265 | 0.0 | 0.0 | 291.104 | 3.606 | 1235.376 | 1260.416 | 0.0 | -93.668 | -92.102 | 0.0 |
| 64 | 8034 | 8035 | NS | 1 | 57.652 | 58.265 | 0.0 | 0.0 | 299.134 | 3.66 | 1236.224 | 1260.44 | 0.0 | -93.019 | -92.107 | 0.0 |
| 65 | 8034 | 8035 | SN | 1 | 57.439 | 58.097 | 0.0 | 0.0 | 297.066 | 3.075 | 1196.864 | 1253.872 | 33.76 | -92.9 | -91.811 | 0.0 |
| 66 | 8034 | 8035 | SN | 1 | 57.439 | 58.097 | 0.0 | 0.0 | 297.066 | 3.621 | 1196.864 | 1254.608 | 32.722 | -92.9 | -91.811 | 0.0 |
| 67 | 8034 | 8035 | NS | 1 | 57.65 | 58.268 | 0.0 | 0.0 | 299.007 | 3.671 | 1236.152 | 1260.488 | 0.0 | -92.998 | -92.106 | 0.0 |
| 68 | 8034 | 8035 | SN | 2 | 57.439 | 58.097 | 0.0 | 0.0 | 297.066 | 3.621 | 1196.864 | 1254.608 | 32.722 | -92.9 | -91.811 | 0.0 |
| 69 | 8035 | 8036 | SN | 1 | 57.441 | 58.13 | 0.0 | 0.0 | 298.246 | 2.951 | 1196.48 | 1253.68 | 34.407 | -92.912 | -91.811 | 0.0 |
| 70 | 8035 | 8036 | NS | 1 | 57.683 | 58.289 | 0.0 | 0.0 | 297.567 | 3.594 | 1235.512 | 1260.632 | 0.0 | -93.182 | -92.115 | 0.0 |
| 71 | 8035 | 8036 | SN | 1 | 57.441 | 58.13 | 0.0 | 0.0 | 299.288 | 3.717 | 1196.48 | 1254.712 | 32.848 | -92.912 | -91.811 | 0.0 |

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|--------------------------|------------|-----------|------------|--------|----------|
| 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 |

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|----|------|------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|--------|---------|---------|-----|
| 72 | 8035 | 8036 | NS | 1 | 57.683 | 58.289 | 0.0 | 0.0 | 297.567 | 3.583 | 1235.512 | 1260.632 | 0.0 | -93.015 | -92.115 | 0.0 |
| 73 | 8035 | 8036 | SN | 2 | 57.441 | 58.13 | 0.0 | 0.0 | 299.575 | 3.716 | 1196.48 | 1254.752 | 32.848 | -92.912 | -91.811 | 0.0 |
| 74 | 8036 | 8037 | NS | 1 | 57.668 | 58.269 | 0.0 | 0.003 | 297.154 | 3.583 | 1235.056 | 1260.552 | 0.0 | -93.67 | -92.115 | 0.0 |
| 75 | 8036 | 8037 | SN | 1 | 57.446 | 58.123 | 0.0 | 0.0 | 298.168 | 3.871 | 1197.168 | 1254.784 | 30.108 | -93.575 | -91.781 | 0.0 |
| 76 | 8036 | 8037 | SN | 1 | 57.446 | 58.098 | 0.0 | 0.0 | 298.168 | 2.7 | 1197.6 | 1253.632 | 32.437 | -92.877 | -91.781 | 0.0 |
| 77 | 8036 | 8037 | SN | 1 | 57.446 | 58.098 | 0.0 | 0.0 | 298.168 | 3.821 | 1197.6 | 1254.784 | 30.265 | -93.575 | -91.781 | 0.0 |
| 78 | 8036 | 8037 | NS | 1 | 57.677 | 58.276 | 0.0 | 0.003 | 297.016 | 3.581 | 1235.656 | 1260.64 | 0.0 | -93.67 | -92.114 | 0.0 |
| 79 | 8037 | 8038 | NS | 1 | 57.64 | 58.283 | 0.0 | 0.0 | 299.84 | 3.548 | 1235.56 | 1260.6 | 0.0 | -93.67 | -92.108 | 0.0 |
| 80 | 8037 | 8038 | SN | 1 | 57.447 | 58.104 | 0.0 | 0.003 | 292.813 | 2.275 | 1197.648 | 1253.712 | 31.353 | -92.841 | -91.808 | 0.0 |
| 81 | 8037 | 8038 | NS | 1 | 57.647 | 58.28 | 0.0 | 0.0 | 295.345 | 3.554 | 1235.064 | 1260.488 | 0.0 | -93.671 | -92.109 | 0.0 |
| 82 | 8037 | 8038 | SN | 2 | 57.447 | 58.104 | 0.0 | 0.003 | 292.813 | 3.711 | 1197.648 | 1254.968 | 28.713 | -92.919 | -91.808 | 0.0 |
| 83 | 8037 | 8038 | SN | 1 | 57.447 | 58.104 | 0.0 | 0.003 | 292.813 | 3.711 | 1197.648 | 1254.968 | 28.713 | -92.919 | -91.808 | 0.0 |
| 84 | 8038 | 8039 | NS | 1 | 57.648 | 58.265 | 0.0 | 0.0 | 295.499 | 3.738 | 1235.336 | 1260.696 | 0.0 | -93.672 | -92.07 | 0.0 |
| 85 | 8038 | 8039 | SN | 1 | 57.444 | 58.109 | 0.0 | 0.0 | 299.415 | 3.613 | 1197.168 | 1255.288 | 30.73 | -92.854 | -91.817 | 0.0 |
| 86 | 8039 | 8040 | NS | 1 | 57.682 | 58.266 | 0.0 | 0.0 | 298.648 | 3.606 | 1234.872 | 1260.912 | 0.0 | -93.674 | -92.094 | 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 |

■ 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 | 8015 | 8016 | SN | 1 | -33.113 | 20.322 | 0.0 | -34.113 | 20.493 | 0.0 | -5.608 | 23.029 | 0.065 | -7.671 | 22.823 | 0.025 | 0.086 | 151.731 | 4.71 | 0.086 | 190.981 | 3.565 | 0.086 | 0.338 | 0.0 | 0.086 | 0.5 | 0.0 |
| 2 | 8015 | 8016 | SN | 1 | -34.857 | 20.322 | 0.0 | -34.413 | 20.493 | 0.0 | -5.603 | 23.029 | 0.065 | -7.678 | 22.823 | 0.025 | 0.086 | 226.662 | 4.722 | 0.086 | 204.629 | 3.54 | 0.086 | 0.338 | 0.0 | 0.086 | 0.501 | 0.0 |
| 3 | 8015 | 8016 | SN | 1 | -34.857 | 20.322 | 0.0 | -34.413 | 20.493 | 0.0 | -5.603 | 23.029 | 0.065 | -7.678 | 22.823 | 0.025 | 0.086 | 226.662 | 4.918 | 0.086 | 204.629 | 3.953 | 0.086 | 0.338 | 0.0 | 0.086 | 0.501 | 0.0 |
| 4 | 8016 | 8017 | SN | 1 | -34.734 | 19.896 | 0.0 | -34.878 | 20.292 | 0.0 | -28.463 | 23.959 | 0.113 | -31.922 | 23.508 | 0.159 | 0.086 | 220.375 | 4.427 | 0.086 | 227.76 | 3.616 | 0.086 | 52.053 | 0.014 | 0.086 | 115.35 | 0.012 |
| 5 | 8016 | 8017 | NS | 1 | -34.916 | 21.434 | 0.0 | -34.97 | 22.105 | 0.001 | -3.183 | 22.791 | 0.023 | -2.718 | 23.485 | 0.159 | 0.086 | 229.735 | 3.087 | 0.086 | 232.658 | 3.362 | 0.086 | 0.225 | 0.0 | 0.086 | 0.21 | 0.0 |
| 6 | 8016 | 8017 | NS | 1 | -34.512 | 21.434 | 0.0 | -34.95 | 22.105 | 0.001 | -3.182 | 22.791 | 0.023 | -2.718 | 23.485 | 0.16 | 0.086 | 209.38 | 3.087 | 0.086 | 231.523 | 3.378 | 0.086 | 0.225 | 0.0 | 0.086 | 0.21 | 0.0 |
| 7 | 8016 | 8017 | SN | 2 | -34.734 | 19.896 | 0.0 | -34.878 | 20.292 | 0.0 | -28.463 | 23.959 | 0.113 | -31.922 | 23.508 | 0.159 | 0.086 | 220.375 | 4.299 | 0.086 | 227.76 | 3.521 | 0.086 | 52.053 | 0.014 | 0.086 | 115.35 | 0.012 |
| 8 | 8016 | 8017 | SN | 1 | -34.734 | 19.896 | 0.0 | -34.878 | 20.292 | 0.0 | -28.463 | 23.959 | 0.113 | -31.922 | 23.508 | 0.159 | 0.086 | 220.375 | 4.299 | 0.086 | 227.76 | 3.521 | 0.086 | 52.053 | 0.014 | 0.086 | 115.35 | 0.012 |
| 9 | 8017 | 8018 | SN | 1 | -34.779 | 20.506 | 0.0 | -34.827 | 20.316 | 0.0 | 0.664 | 23.216 | 0.302 | 3.022 | 23.326 | 0.383 | 0.086 | 222.679 | 4.834 | 0.086 | 225.107 | 4.341 | 0.086 | 0.14 | 0.0 | 0.086 | 0.116 | 0.0 |
| 10 | 8017 | 8018 | SN | 1 | -34.779 | 20.506 | 0.0 | -34.813 | 20.316 | 0.0 | 0.664 | 23.216 | 0.302 | 3.022 | 23.326 | 0.383 | 0.086 | 222.679 | 4.896 | 0.086 | 224.422 | 4.375 | 0.086 | 0.14 | 0.0 | 0.086 | 0.116 | 0.0 |
| 11 | 8017 | 8018 | SN | 1 | -34.779 | 20.506 | 0.0 | -34.827 | 20.316 | 0.0 | 0.664 | 23.216 | 0.302 | 3.022 | 23.326 | 0.383 | 0.086 | 222.679 | 4.915 | 0.086 | 225.107 | 4.401 | 0.086 | 0.14 | 0.0 | 0.086 | 0.116 | 0.0 |
| 12 | 8017 | 8018 | NS | 1 | -34.908 | 19.618 | 0.0 | -34.882 | 20.065 | 0.0 | -10.416 | 23.075 | 0.03 | -33.324 | 23.428 | 0.182 | 0.086 | 229.319 | 4.873 | 0.086 | 227.923 | 5.491 | 0.086 | 0.88 | 0.0 | 0.086 | 159.296 | 0.065 |
| 13 | 8017 | 8018 | NS | 2 | -34.991 | 19.618 | 0.0 | -34.917 | 20.065 | 0.0 | -10.414 | 23.075 | 0.03 | -33.494 | 23.428 | 0.182 | 0.086 | 233.758 | 4.872 | 0.086 | 229.81 | 5.489 | 0.086 | 0.88 | 0.0 | 0.086 | 165.643 | 0.065 |
| 14 | 8018 | 8019 | NS | 1 | -34.991 | 19.783 | 0.0 | -34.99 | 20.976 | 0.0 | -30.237 | 22.817 | 0.023 | -33.087 | 23.436 | 0.132 | 0.086 | 233.772 | 7.417 | 0.086 | 233.686 | 8.641 | 0.086 | 78.277 | 0.228 | 0.086 | 150.834 | 0.092 |
| 15 | 8018 | 8019 | SN | 1 | -34.332 | 19.983 | 0.0 | -34.321 | 20.255 | 0.0 | 0.908 | 23.142 | 0.27 | 1.721 | 23.264 | 0.511 | 0.086 | 200.889 | 4.697 | 0.086 | 200.401 | 4.4 | 0.086 | 0.136 | 0.0 | 0.086 | 0.127 | 0.0 |
| 16 | 8018 | 8019 | SN | 1 | -34.902 | 19.983 | 0.0 | -34.868 | 20.255 | 0.0 | 0.908 | 23.142 | 0.27 | 1.721 | 23.264 | 0.52 | 0.086 | 229.057 | 4.8 | 0.086 | 227.222 | 4.458 | 0.086 | 0.136 | 0.0 | 0.086 | 0.127 | 0.0 |
| 17 | 8018 | 8019 | SN | 1 | -34.902 | 19.983 | 0.0 | -34.544 | 20.255 | 0.0 | 0.908 | 23.142 | 0.27 | 1.721 | 23.264 | 0.511 | 0.086 | 229.057 | 4.704 | 0.086 | 210.902 | 4.403 | 0.086 | 0.136 | 0.0 | 0.086 | 0.127 | 0.0 |
| 18 | 8019 | 8020 | NS | 1 | -33.98 | 16.768 | 0.0 | -34.697 | 17.531 | 0.0 | -8.422 | 23.426 | 0.09 | -4.93 | 23.196 | 0.171 | 0.087 | 185.228 | 2.156 | 0.087 | 218.48 | 2.313 | 0.086 | 0.581 | 0.0 | 0.086 | 0.308 | 0.0 |
| 19 | 8019 | 8020 | SN | 1 | -34.939 | 20.111 | 0.0 | -34.843 | 20.189 | 0.0 | 0.811 | 22.816 | 0.283 | 2.423 | 23.179 | 0.989 | 0.086 | 230.956 | 3.957 | 0.086 | 225.903 | 3.757 | 0.086 | 0.138 | 0.0 | 0.086 | 0.12 | 0.0 |
| 20 | 8019 | 8020 | NS | 2 | -33.98 | 16.768 | 0.0 | -34.697 | 17.529 | 0.0 | -8.422 | 23.426 | 0.09 | -4.93 | 23.196 | 0.171 | 0.087 | 185.228 | 2.158 | 0.087 | 218.48 | 2.315 | 0.086 | 0.581 | 0.0 | 0.086 | 0.308 | 0.0 |
| 21 | 8019 | 8020 | SN | 1 | -34.914 | 20.111 | 0.0 | -34.764 | 20.189 | 0.0 | 0.811 | 22.816 | 0.279 | 2.423 | 23.179 | 0.922 | 0.086 | 229.689 | 3.859 | 0.086 | 221.893 | 3.683 | 0.086 | 0.138 | 0.0 | 0.086 | 0.12 | 0.0 |
| 22 | 8019 | 8020 | SN | 1 | -34.939 | 20.111 | 0.0 | -34.362 | 20.189 | 0.0 | 0.811 | 22.816 | 0.279 | 2.423 | 23.179 | 0.922 | 0.086 | 230.956 | 3.864 | 0.086 | 202.238 | 3.677 | 0.086 | 0.138 | 0.0 | 0.086 | 0.12 | 0.0 |
| 23 | 8020 | 8021 | NS | 1 | -34.994 | 19.878 | 0.0 | -34.789 | 15.625 | 0.0 | -18.281 | 23.492 | 0.119 | -15.306 | 23.216 | 0.186 | 0.086 | 233.942 | 3.483 | 0.087 | 223.182 | 3.607 | 0.086 | 5.049 | 0.004 | 0.086 | 2.577 | 0.005 |
| 24 | 8020 | 8021 | NS | 1 | -34.639 | 19.876 | 0.0 | -34.928 | 15.625 | 0.0 | -18.268 | 23.492 | 0.123 | -15.31 | 23.216 | 0.186 | 0.086 | 215.535 | 3.484 | 0.087 | 230.404 | 3.604 | 0.086 | 5.035 | 0.004 | 0.086 | 2.58 | 0.005 |
| 25 | 8020 | 8021 | SN | 1 | -34.397 | 19.001 | 0.0 | -34.738 | 18.696 | 0.0 | 0.91 | 22.826 | 0.106 | 2.805 | 23.402 | 0.329 | 0.086 | 203.891 | 2.753 | 0.086 | 220.527 | 2.54 | 0.086 | 0.136 | 0.0 | 0.086 | 0.117 | 0.0 |
| 26 | 8020 | 8021 | SN | 2 | -34.397 | 19.001 | 0.0 | -34.738 | 18.696 | 0.0 | 0.91 | 22.826 | 0.105 | 2.805 | 23.402 | 0.329 | 0.086 | 203.891 | 2.74 | 0.086 | 220.527 | 2.528 | 0.086 | 0.136 | 0.0 | 0.086 | 0.117 | 0.0 |
| 27 | 8020 | 8021 | SN | 1 | -34.397 | 19.001 | 0.0 | -34.738 | 18.696 | 0.0 | 0.91 | 22.826 | 0.105 | 2.805 | 23.402 | 0.329 | 0.086 | 203.891 | 2.74 | 0.086 | 220.527 | 2.528 | 0.086 | 0.136 | 0.0 | 0.086 | 0.117 | 0.0 |
| 28 | 8021 | 8022 | NS | 1 | -34.637 | 19.896 | 0.0 | -34.569 | 20.039 | 0.0 | -31.429 | 22.973 | 0.192 | -27.47 | 23.516 | 0.575 | 0.086 | 215.504 | 3.237 | 0.086 | 212.162 | 3.161 | 0.086 | 102.988 | 0.17 | 0.086 | 41.43 | 0.07 |
| 29 | 8021 | 8022 | NS | 1 | -34.637 | 19.895 | 0.0 | -34.569 | 20.039 | 0.0 | -31.429 | 22.966 | 0.192 | -27.47 | 23.516 | 0.601 | 0.086 | 215.504 | 3.237 | 0.086 | 212.162 | 3.161 | 0.086 | 102.988 | 0.17 | 0.086 | 41.43 | 0.07 |
| 30 | 8021 | 8022 | SN | 2 | -34.56 | 19.361 | 0.0 | -34.601 | 19.16 | 0.0 | 0.942 | 23.649 | 0.496 | 7.65 | 23.7 | 0.713 | 0.086 | 211.703 | 2.486 | 0.086 | 213.725 | 2.417 | 0.086 | 0.136 | 0.0 | 0.086 | 0.095 | 0.0 |
| 31 | 8021 | 8022 | SN | 1 | -34.818 | 19.361 | 0.0 | -34.558 | 19.16 | 0.0 | 0.942 | 23.649 | 0.504 | 7.652 | 23.7 | 0.713 | 0.086 | 224.67 | 2.555 | 0.086 | 211.608 | 2.493 | 0.086 | 0.136 | 0.0 | 0.086 | 0.095 | 0.0 |
| 32 | 8021 | 8022 | SN | 1 | -34.518 | 19.361 | 0.0 | -34.558 | 19.16 | 0.0 | 0.942 | 23.649 | 0.496 | 7.652 | 23.7 | 0.713 | 0.086 | 209.674 | 2.485 | 0.086 | 211.608 | 2.418 | 0.086 | 0.136 | 0.0 | 0.086 | 0.095 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|
| 33 | 8022 | 8023 | SN | 1 | -34.249 | 20.298 | 0.0 | -34.97 | 21.592 | 0.0 | -11.005 | 23.747 | 0.959 | -6.763 | 25.348 | 1.665 | 0.086 | 197.036 | 3.726 | 0.086 | 232.641 | 3.087 | 0.086 | 0.999 | 0.0 | 0.086 | 0.419 | 0.0 |
| 34 | 8022 | 8023 | SN | 1 | -34.249 | 20.298 | 0.0 | -34.97 | 21.592 | 0.0 | -11.154 | 23.747 | 0.993 | -6.754 | 25.348 | 1.666 | 0.086 | 197.036 | 3.988 | 0.086 | 232.641 | 3.459 | 0.086 | 1.031 | 0.002 | 0.086 | 0.418 | 0.0 |
| 35 | 8022 | 8023 | NS | 1 | -34.49 | 20.176 | 0.0 | -34.674 | 21.48 | 0.0 | 1.522 | 22.995 | 0.101 | 1.897 | 23.504 | 0.607 | 0.086 | 208.289 | 1.956 | 0.086 | 217.308 | 2.003 | 0.086 | 0.129 | 0.0 | 0.086 | 0.125 | 0.0 |
| 36 | 8022 | 8023 | SN | 2 | -34.249 | 20.298 | 0.0 | -34.97 | 21.592 | 0.0 | -11.005 | 23.747 | 0.959 | -6.763 | 25.348 | 1.665 | 0.086 | 197.036 | 3.726 | 0.086 | 232.641 | 3.087 | 0.086 | 0.999 | 0.0 | 0.086 | 0.419 | 0.0 |
| 37 | 8022 | 8023 | NS | 1 | -34.527 | 20.175 | 0.0 | -34.976 | 21.48 | 0.0 | 1.513 | 22.992 | 0.101 | 1.898 | 23.504 | 0.612 | 0.086 | 210.091 | 1.947 | 0.086 | 232.929 | 2.002 | 0.086 | 0.129 | 0.0 | 0.086 | 0.125 | 0.0 |
| 38 | 8023 | 8024 | NS | 1 | -34.951 | 22.416 | 0.002 | -34.563 | 19.769 | 0.0 | 0.22 | 23.227 | 0.129 | -0.73 | 24.237 | 1.371 | 0.086 | 231.63 | 2.361 | 0.086 | 211.842 | 2.183 | 0.086 | 0.146 | 0.0 | 0.086 | 0.162 | 0.0 |
| 39 | 8023 | 8024 | SN | 2 | -34.253 | 21.429 | 0.0 | -34.922 | 21.264 | 0.0 | -33.386 | 23.799 | 0.48 | -12.124 | 24.044 | 0.847 | 0.086 | 197.302 | 4.73 | 0.086 | 230.1 | 3.858 | 0.086 | 161.557 | 0.108 | 0.086 | 1.272 | 0.002 |
| 40 | 8023 | 8024 | SN | 1 | -34.108 | 21.429 | 0.0 | -34.577 | 21.264 | 0.0 | -34.185 | 23.799 | 0.48 | -12.122 | 24.044 | 0.847 | 0.086 | 190.765 | 4.733 | 0.086 | 212.481 | 3.857 | 0.086 | 194.235 | 0.108 | 0.086 | 1.272 | 0.002 |
| 41 | 8023 | 8024 | NS | 1 | -34.441 | 22.416 | 0.002 | -34.902 | 19.769 | 0.0 | 0.223 | 23.227 | 0.129 | -0.731 | 24.237 | 1.371 | 0.086 | 205.986 | 2.356 | 0.086 | 228.989 | 2.184 | 0.086 | 0.146 | 0.0 | 0.086 | 0.162 | 0.0 |
| 42 | 8024 | 8025 | NS | 1 | -34.379 | 22.135 | 0.002 | -34.965 | 20.063 | 0.0 | -26.814 | 22.781 | 0.126 | -25.074 | 24.348 | 2.237 | 0.086 | 203.042 | 4.533 | 0.086 | 232.363 | 4.372 | 0.086 | 35.629 | 0.11 | 0.086 | 23.888 | 0.053 |
| 43 | 8024 | 8025 | NS | 1 | -34.786 | 22.135 | 0.002 | -34.834 | 20.062 | 0.0 | -26.704 | 22.781 | 0.126 | -24.948 | 24.35 | 2.237 | 0.086 | 222.978 | 4.535 | 0.086 | 225.479 | 4.381 | 0.086 | 34.738 | 0.111 | 0.086 | 23.21 | 0.053 |
| 44 | 8025 | 8026 | NS | 1 | -34.762 | 20.843 | 0.0 | -34.502 | 18.549 | 0.0 | 0.717 | 22.718 | 0.09 | 1.08 | 24.867 | 1.892 | 0.086 | 221.794 | 4.162 | 0.086 | 208.92 | 4.546 | 0.086 | 0.139 | 0.0 | 0.086 | 0.134 | 0.0 |
| 45 | 8030 | 8031 | SN | 1 | -34.156 | 21.125 | 0.0 | -34.971 | 20.255 | 0.0 | -22.433 | 23.377 | 0.186 | -17.274 | 23.738 | 0.187 | 0.086 | 192.905 | 4.525 | 0.086 | 232.724 | 3.882 | 0.086 | 13.033 | 0.01 | 0.086 | 4.018 | 0.005 |
| 46 | 8030 | 8031 | NS | 1 | -34.718 | 21.952 | 0.0 | -34.946 | 22.033 | 0.001 | -0.792 | 22.941 | 0.072 | 0.053 | 23.818 | 0.358 | 0.086 | 219.483 | 3.963 | 0.086 | 231.409 | 3.851 | 0.086 | 0.163 | 0.0 | 0.086 | 0.148 | 0.0 |
| 47 | 8030 | 8031 | SN | 1 | -34.612 | 21.125 | 0.0 | -34.971 | 20.255 | 0.0 | -22.434 | 23.377 | 0.186 | -17.274 | 23.738 | 0.187 | 0.086 | 214.234 | 4.731 | 0.086 | 232.724 | 4.106 | 0.086 | 13.035 | 0.01 | 0.086 | 4.018 | 0.005 |
| 48 | 8030 | 8031 | NS | 1 | -34.518 | 21.954 | 0.0 | -34.629 | 22.033 | 0.001 | -0.79 | 22.942 | 0.072 | 0.053 | 23.818 | 0.358 | 0.086 | 209.692 | 3.972 | 0.086 | 215.082 | 3.844 | 0.086 | 0.163 | 0.0 | 0.086 | 0.148 | 0.0 |
| 49 | 8030 | 8031 | SN | 2 | -34.156 | 21.125 | 0.0 | -34.971 | 20.255 | 0.0 | -22.433 | 23.377 | 0.186 | -17.274 | 23.738 | 0.187 | 0.086 | 192.905 | 4.525 | 0.086 | 232.724 | 3.882 | 0.086 | 13.033 | 0.01 | 0.086 | 4.018 | 0.005 |
| 50 | 8031 | 8032 | NS | 1 | -34.936 | 21.534 | 0.0 | -34.68 | 22.087 | 0.001 | -11.426 | 23.117 | 0.056 | -7.707 | 23.621 | 0.195 | 0.086 | 230.838 | 6.316 | 0.086 | 217.638 | 6.463 | 0.086 | 1.094 | 0.002 | 0.086 | 0.504 | 0.0 |
| 51 | 8031 | 8032 | SN | 1 | -34.594 | 20.158 | 0.0 | -34.806 | 20.323 | 0.0 | 1.009 | 23.278 | 0.118 | 0.102 | 23.608 | 0.179 | 0.086 | 213.346 | 5.674 | 0.086 | 224.019 | 4.65 | 0.086 | 0.135 | 0.0 | 0.086 | 0.148 | 0.0 |
| 52 | 8031 | 8032 | SN | 1 | -34.594 | 20.158 | 0.0 | -34.806 | 20.323 | 0.0 | 1.009 | 23.278 | 0.118 | 0.102 | 23.608 | 0.179 | 0.086 | 213.346 | 5.558 | 0.086 | 224.019 | 4.572 | 0.086 | 0.135 | 0.0 | 0.086 | 0.148 | 0.0 |
| 53 | 8031 | 8032 | NS | 2 | -34.943 | 21.534 | 0.0 | -34.66 | 22.087 | 0.001 | -11.424 | 23.117 | 0.056 | -7.707 | 23.621 | 0.195 | 0.086 | 231.22 | 6.319 | 0.086 | 216.659 | 6.468 | 0.086 | 1.093 | 0.002 | 0.086 | 0.504 | 0.0 |
| 54 | 8031 | 8032 | SN | 1 | -34.594 | 20.158 | 0.0 | -34.883 | 20.323 | 0.0 | 1.003 | 23.278 | 0.118 | 0.102 | 23.608 | 0.179 | 0.086 | 213.346 | 5.546 | 0.086 | 228.082 | 4.614 | 0.086 | 0.135 | 0.0 | 0.086 | 0.148 | 0.0 |
| 55 | 8032 | 8033 | NS | 1 | -34.905 | 18.932 | 0.0 | -33.854 | 19.185 | 0.0 | -6.833 | 22.562 | 0.02 | -32.17 | 23.343 | 0.132 | 0.086 | 229.215 | 4.926 | 0.086 | 179.973 | 4.857 | 0.086 | 0.425 | 0.0 | 0.086 | 122.096 | 0.063 |
| 56 | 8032 | 8033 | SN | 1 | -34.92 | 19.927 | 0.0 | -34.623 | 20.295 | 0.0 | 2.058 | 22.893 | 0.185 | 2.321 | 23.741 | 0.315 | 0.086 | 230.028 | 3.819 | 0.086 | 214.768 | 3.23 | 0.086 | 0.124 | 0.0 | 0.086 | 0.121 | 0.0 |
| 57 | 8032 | 8033 | SN | 1 | -34.92 | 19.927 | 0.0 | -34.784 | 20.295 | 0.0 | 2.058 | 22.893 | 0.185 | 2.321 | 23.741 | 0.315 | 0.086 | 230.028 | 3.819 | 0.086 | 222.89 | 3.228 | 0.086 | 0.124 | 0.0 | 0.086 | 0.121 | 0.0 |
| 58 | 8032 | 8033 | SN | 1 | -34.92 | 19.927 | 0.0 | -34.623 | 20.295 | 0.0 | 2.058 | 22.893 | 0.185 | 2.321 | 23.741 | 0.316 | 0.086 | 230.028 | 3.888 | 0.086 | 214.768 | 3.27 | 0.086 | 0.124 | 0.0 | 0.086 | 0.121 | 0.0 |
| 59 | 8033 | 8034 | SN | 1 | -34.999 | 20.275 | 0.0 | -34.919 | 20.247 | 0.0 | 1.196 | 23.176 | 0.572 | 1.755 | 23.294 | 0.958 | 0.086 | 234.197 | 3.399 | 0.086 | 229.905 | 2.82 | 0.086 | 0.133 | 0.0 | 0.086 | 0.127 | 0.0 |
| 60 | 8033 | 8034 | NS | 2 | -34.951 | 19.743 | 0.0 | -34.857 | 20.855 | 0.0 | -29.397 | 23.522 | 0.041 | -32.702 | 23.343 | 0.121 | 0.086 | 231.664 | 2.664 | 0.086 | 226.676 | 2.799 | 0.086 | 64.533 | 0.011 | 0.086 | 138.016 | 0.081 |
| 61 | 8033 | 8034 | SN | 1 | -34.968 | 20.275 | 0.0 | -34.919 | 20.247 | 0.0 | 1.196 | 23.176 | 0.572 | 1.755 | 23.294 | 0.958 | 0.086 | 232.57 | 3.399 | 0.086 | 229.905 | 2.824 | 0.086 | 0.133 | 0.0 | 0.086 | 0.127 | 0.0 |
| 62 | 8033 | 8034 | SN | 1 | -34.968 | 20.275 | 0.0 | -34.919 | 20.247 | 0.0 | 1.196 | 23.176 | 0.572 | 1.755 | 23.294 | 0.993 | 0.086 | 232.57 | 3.474 | 0.086 | 229.905 | 2.872 | 0.086 | 0.133 | 0.0 | 0.086 | 0.127 | 0.0 |
| 63 | 8033 | 8034 | NS | 1 | -34.951 | 19.743 | 0.0 | -34.857 | 20.855 | 0.0 | -29.397 | 23.522 | 0.041 | -32.702 | 23.343 | 0.121 | 0.086 | 231.664 | 2.664 | 0.086 | 226.676 | 2.8 | 0.086 | 64.533 | 0.011 | 0.086 | 138.016 | 0.081 |
| 64 | 8034 | 8035 | NS | 1 | -34.357 | 21.579 | 0.0 | -34.954 | 14.974 | 0.0 | -17.857 | 23.247 | 0.039 | -31.04 | 23.188 | 0.088 | 0.086 | 202.042 | 4.441 | 0.087 | 231.784 | 4.778 | 0.086 | 4.585 | 0.017 | 0.086 | 94.161 | 0.009 |
| 65 | 8034 | 8035 | SN | 1 | -34.934 | 20.23 | 0.0 | -34.858 | 20.575 | 0.0 | 0.477 | 22.692 | 0.2 | 3.017 | 23.304 | 0.783 | 0.086 | 230.706 | 2.738 | 0.086 | 226.769 | 2.467 | 0.086 | 0.142 | 0.0 | 0.086 | 0.116 | 0.0 |
| 66 | 8034 | 8035 | SN | 1 | -34.934 | 20.23 | 0.0 | -34.858 | 20.575 | 0.0 | 0.477 | 22.692 | 0.191 | 3.017 | 23.304 | 0.74 | 0.086 | 230.706 | 2.663 | 0.086 | 226.769 | 2.399 | 0.086 | 0.142 | 0.0 | 0.086 | 0.116 | 0.0 |
| 67 | 8034 | 8035 | NS | 1 | -33.901 | 21.579 | 0.0 | -34.841 | 14.974 | 0.0 | -17.849 | 23.247 | 0.041 | -31.016 | 23.188 | 0.088 | 0.086 | 181.876 | 4.445 | 0.087 | 225.834 | 4.777 | 0.086 | 4.577 | 0.017 | 0.086 | 93.636 | 0.009 |
| 68 | 8034 | 8035 | SN | 2 | -34.934 | 20.23 | 0.0 | -34.858 | 20.575 | 0.0 | 0.477 | 22.692 | 0.191 | 3.017 | 23.304 | 0.74 | 0.086 | 230.706 | 2.663 | 0.086 | 226.769 | 2.399 | 0.086 | 0.142 | 0.0 | 0.086 | 0.116 | 0.0 |
| 69 | 8035 | 8036 | SN | 1 | -34.892 | 17.189 | 0.0 | -34.858 | 17.254 | 0.0 | 0.86 | 23.075 | 0.087 | 3.138 | 22.474 | 0.052 | 0.087 | 228.506 | 5.147 | 0.087 | 226.737 | 4.862 | 0.086 | 0.137 | 0.0 | 0.086 | 0.115 | 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 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|---------|--------|-------|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|-------|-------|
| 70 | 8035 | 8036 | NS | 1 | -34.252 | 19.526 | 0.0 | -34.959 | 19.67 | 0.0 | -32.552 | 23.061 | 0.095 | -17.249 | 23.521 | 0.34 | 0.086 | 197.185 | 4.034 | 0.086 | 232.093 | 3.916 | 0.086 | 133.358 | 0.198 | 0.086 | 3.995 | 0.021 |
| 71 | 8035 | 8036 | SN | 1 | -34.892 | 17.189 | 0.0 | -34.858 | 17.254 | 0.0 | 0.86 | 23.075 | 0.079 | 3.138 | 22.474 | 0.051 | 0.087 | 228.506 | 4.978 | 0.087 | 226.737 | 4.622 | 0.086 | 0.137 | 0.0 | 0.086 | 0.115 | 0.0 |
| 72 | 8035 | 8036 | NS | 1 | -34.793 | 19.526 | 0.0 | -34.959 | 19.67 | 0.0 | -32.552 | 23.061 | 0.095 | -17.249 | 23.521 | 0.33 | 0.086 | 223.413 | 4.019 | 0.086 | 232.093 | 3.916 | 0.086 | 133.358 | 0.198 | 0.086 | 3.995 | 0.021 |
| 73 | 8035 | 8036 | SN | 2 | -34.892 | 17.189 | 0.0 | -34.858 | 17.254 | 0.0 | 0.86 | 23.075 | 0.079 | 3.138 | 22.474 | 0.051 | 0.087 | 228.506 | 4.979 | 0.087 | 226.737 | 4.622 | 0.086 | 0.137 | 0.0 | 0.086 | 0.115 | 0.0 |
| 74 | 8036 | 8037 | NS | 1 | -33.916 | 20.068 | 0.0 | -34.866 | 20.578 | 0.0 | 3.582 | 22.982 | 0.292 | 2.807 | 23.44 | 0.816 | 0.086 | 182.513 | 2.06 | 0.086 | 227.185 | 1.963 | 0.086 | 0.112 | 0.0 | 0.086 | 0.117 | 0.0 |
| 75 | 8036 | 8037 | SN | 1 | -33.449 | 19.1 | 0.0 | -32.929 | 19.489 | 0.0 | 0.215 | 25.107 | 0.747 | 0.587 | 24.364 | 1.173 | 0.086 | 163.942 | 1.346 | 0.086 | 145.454 | 1.21 | 0.086 | 0.146 | 0.0 | 0.086 | 0.141 | 0.0 |
| 76 | 8036 | 8037 | SN | 1 | -34.731 | 19.101 | 0.0 | -31.651 | 19.486 | 0.0 | 0.215 | 25.107 | 0.803 | 0.593 | 24.364 | 1.183 | 0.086 | 220.219 | 1.455 | 0.086 | 108.404 | 1.369 | 0.086 | 0.146 | 0.0 | 0.086 | 0.14 | 0.0 |
| 77 | 8036 | 8037 | SN | 1 | -34.731 | 19.101 | 0.0 | -31.651 | 19.486 | 0.0 | 0.215 | 25.107 | 0.749 | 0.593 | 24.364 | 1.179 | 0.086 | 220.219 | 1.361 | 0.086 | 108.404 | 1.217 | 0.086 | 0.146 | 0.0 | 0.086 | 0.14 | 0.0 |
| 78 | 8036 | 8037 | NS | 1 | -34.314 | 20.068 | 0.0 | -34.991 | 20.578 | 0.0 | 3.602 | 22.981 | 0.292 | 2.802 | 23.442 | 0.816 | 0.086 | 200.058 | 2.056 | 0.086 | 233.79 | 1.95 | 0.086 | 0.112 | 0.0 | 0.086 | 0.117 | 0.0 |
| 79 | 8037 | 8038 | NS | 1 | -34.721 | 19.749 | 0.0 | -34.965 | 20.237 | 0.0 | -2.357 | 23.074 | 0.162 | -0.786 | 23.807 | 0.942 | 0.086 | 219.662 | 3.499 | 0.086 | 232.419 | 3.833 | 0.086 | 0.2 | 0.0 | 0.086 | 0.163 | 0.0 |
| 80 | 8037 | 8038 | SN | 1 | -34.583 | 20.92 | 0.0 | -32.434 | 21.021 | 0.0 | -7.255 | 23.823 | 0.612 | -7.469 | 24.31 | 1.089 | 0.086 | 212.833 | 3.957 | 0.086 | 129.791 | 3.021 | 0.086 | 0.461 | 0.0 | 0.086 | 0.481 | 0.0 |
| 81 | 8037 | 8038 | NS | 1 | -34.73 | 19.749 | 0.0 | -34.495 | 20.237 | 0.0 | -2.35 | 23.074 | 0.162 | -0.784 | 23.807 | 0.942 | 0.086 | 220.112 | 3.503 | 0.086 | 208.57 | 3.845 | 0.086 | 0.199 | 0.0 | 0.086 | 0.163 | 0.0 |
| 82 | 8037 | 8038 | SN | 2 | -34.583 | 20.92 | 0.0 | -32.434 | 21.021 | 0.0 | -7.255 | 23.823 | 0.56 | -7.469 | 24.31 | 1.149 | 0.086 | 212.833 | 3.653 | 0.086 | 129.791 | 2.54 | 0.086 | 0.461 | 0.0 | 0.086 | 0.481 | 0.0 |
| 83 | 8037 | 8038 | SN | 1 | -34.583 | 20.92 | 0.0 | -32.434 | 21.021 | 0.0 | -7.255 | 23.823 | 0.56 | -7.469 | 24.31 | 1.149 | 0.086 | 212.833 | 3.653 | 0.086 | 129.791 | 2.54 | 0.086 | 0.461 | 0.0 | 0.086 | 0.481 | 0.0 |
| 84 | 8038 | 8039 | NS | 1 | -34.968 | 22.444 | 0.002 | -34.782 | 19.938 | 0.0 | -5.519 | 22.904 | 0.102 | -2.449 | 24.647 | 2.133 | 0.086 | 232.522 | 3.298 | 0.086 | 222.814 | 3.305 | 0.086 | 0.333 | 0.0 | 0.086 | 0.202 | 0.0 |
| 85 | 8038 | 8039 | SN | 1 | -34.984 | 21.491 | 0.0 | -34.996 | 21.584 | 0.0 | -25.417 | 23.652 | 0.525 | -3.875 | 24.195 | 0.524 | 0.086 | 233.422 | 9.744 | 0.086 | 234.013 | 8.051 | 0.086 | 25.843 | 0.051 | 0.086 | 0.251 | 0.0 |
| 86 | 8039 | 8040 | NS | 1 | -34.875 | 21.436 | 0.0 | -34.993 | 20.343 | 0.0 | -0.188 | 22.627 | 0.05 | -6.536 | 24.607 | 1.945 | 0.086 | 227.615 | 5.614 | 0.086 | 233.886 | 5.964 | 0.086 | 0.152 | 0.0 | 0.086 | 0.401 | 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 |