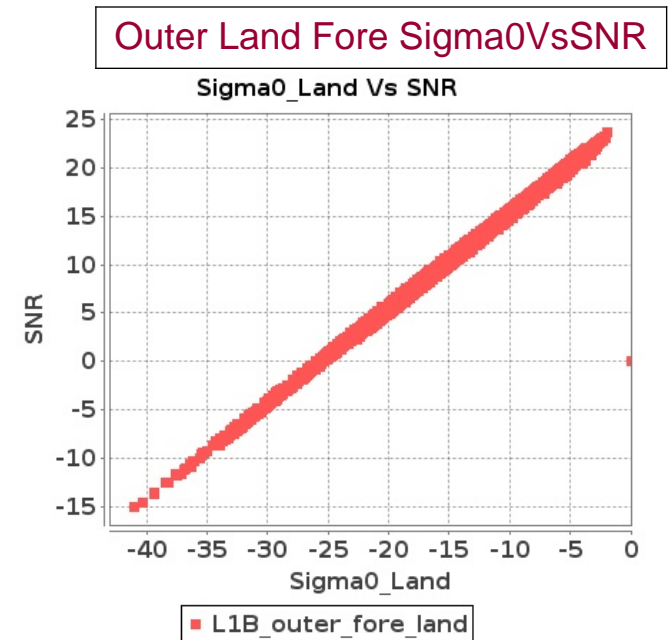
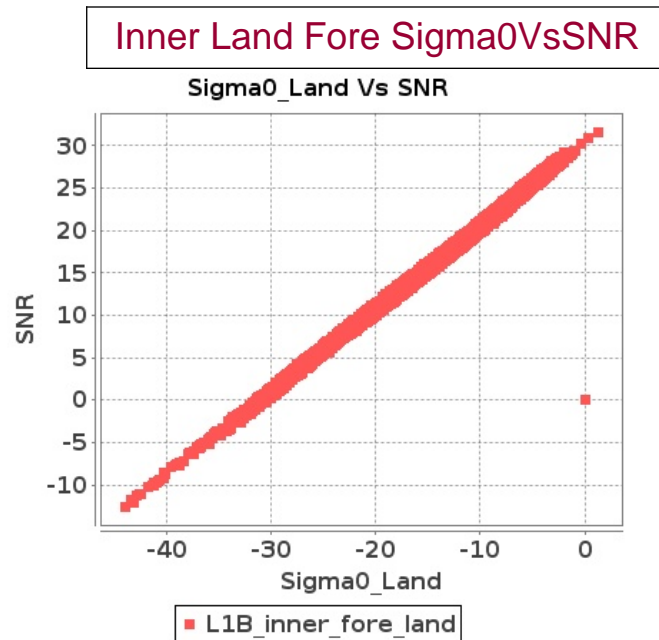
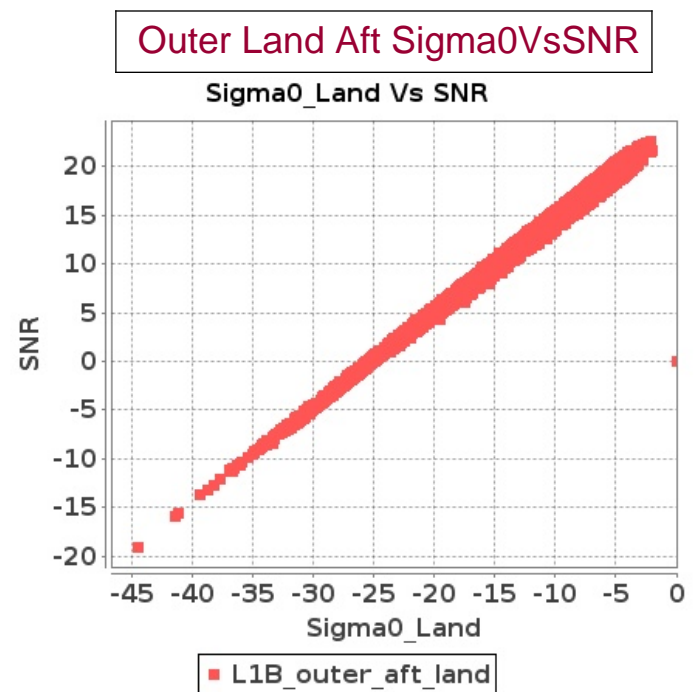
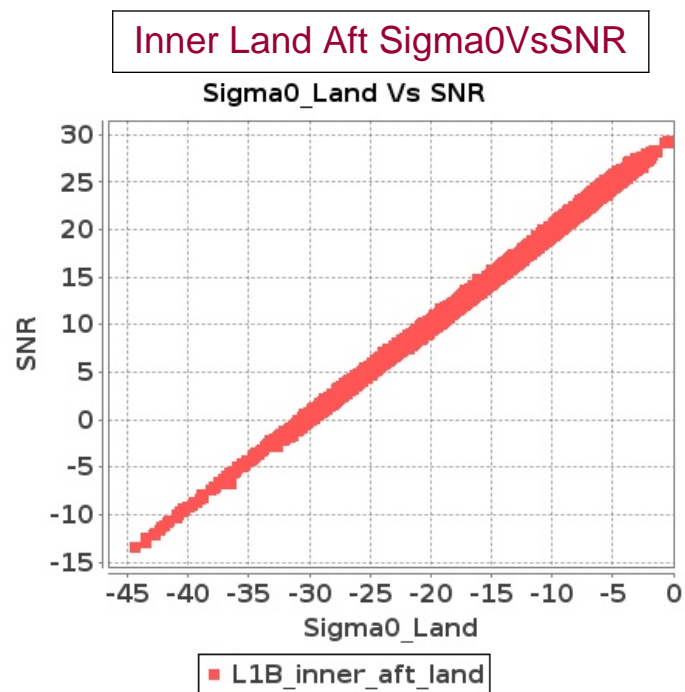
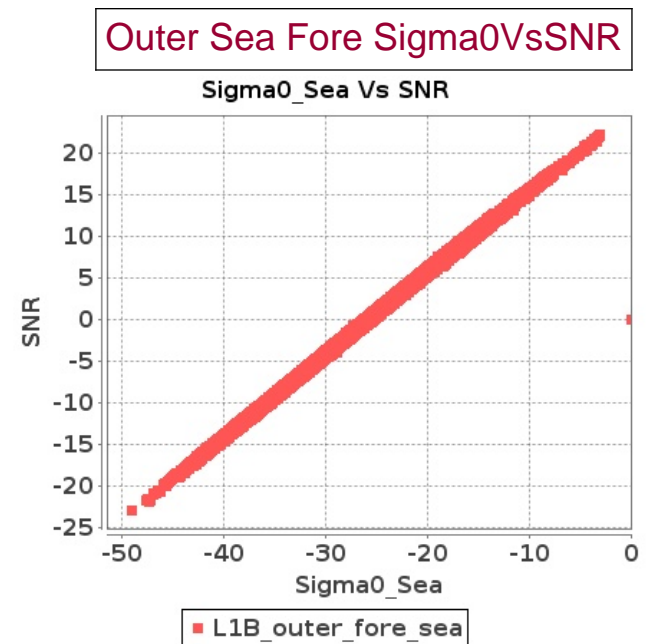
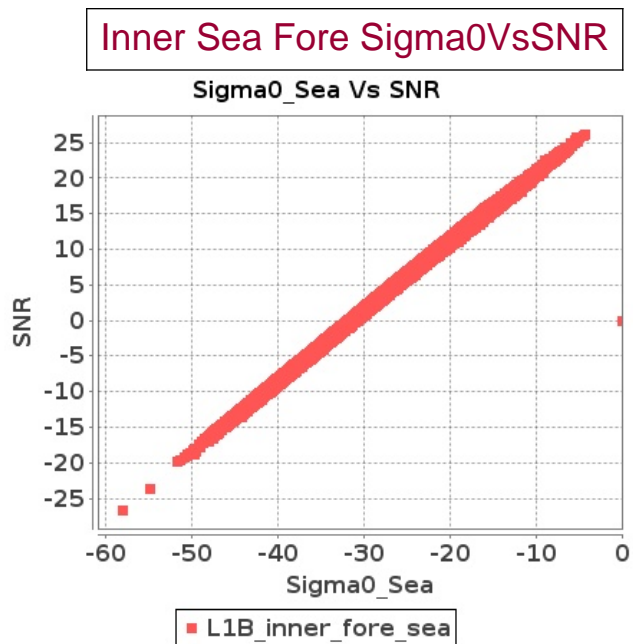
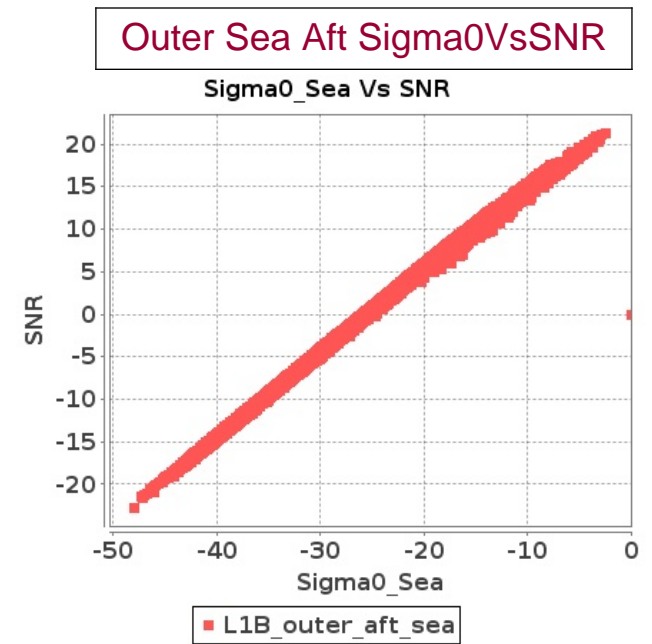
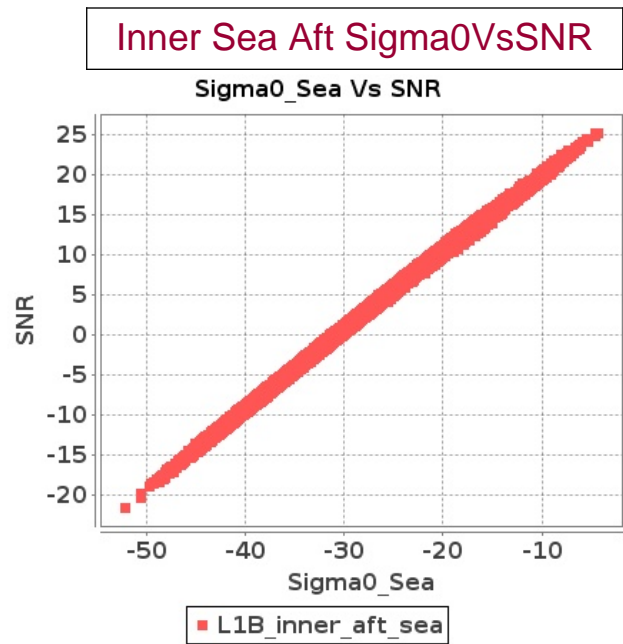
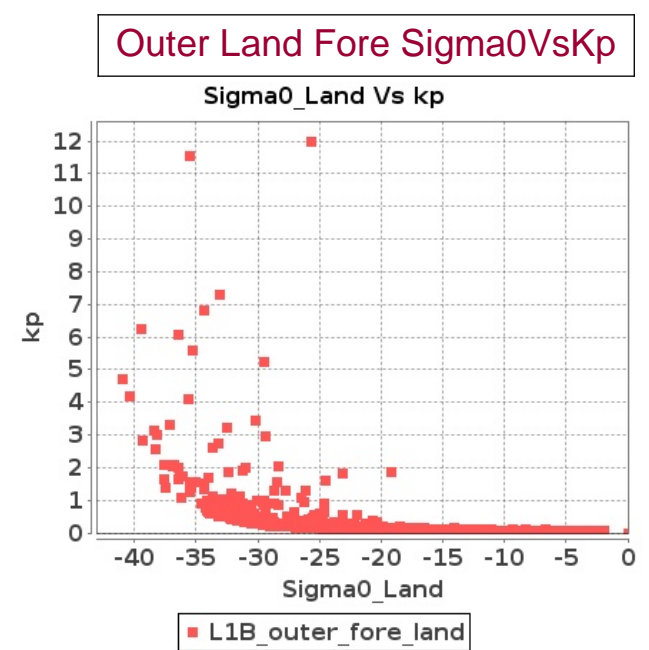
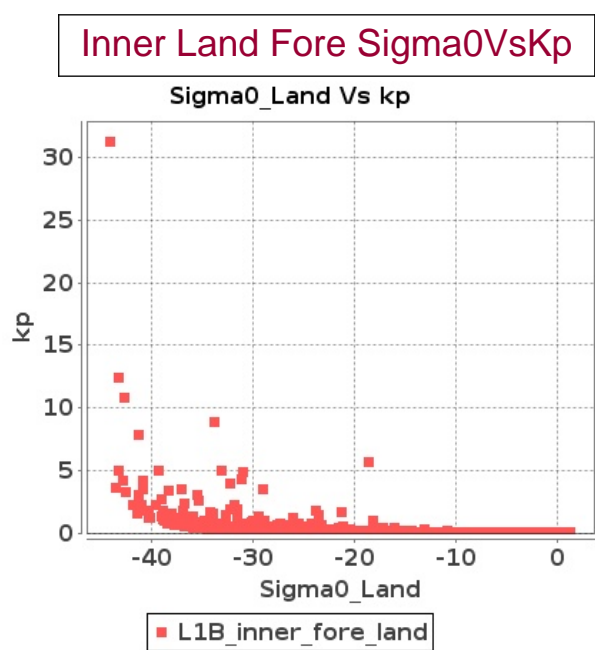
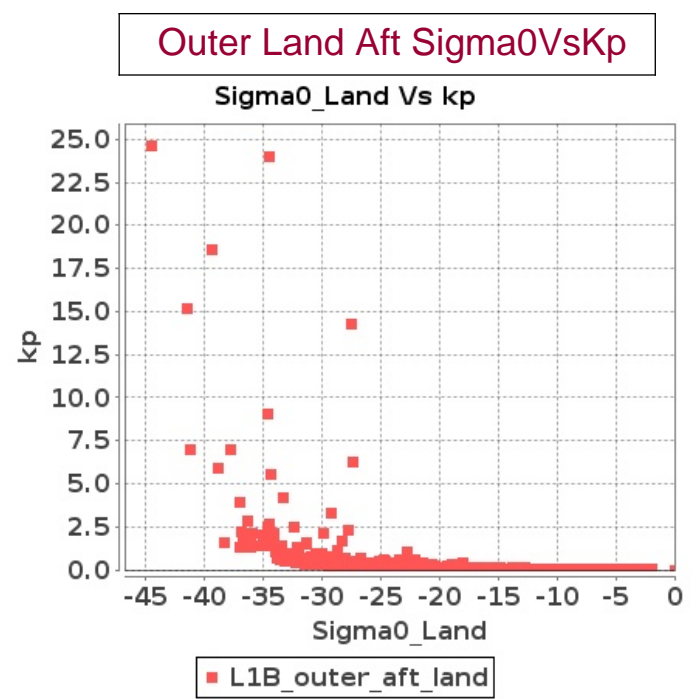
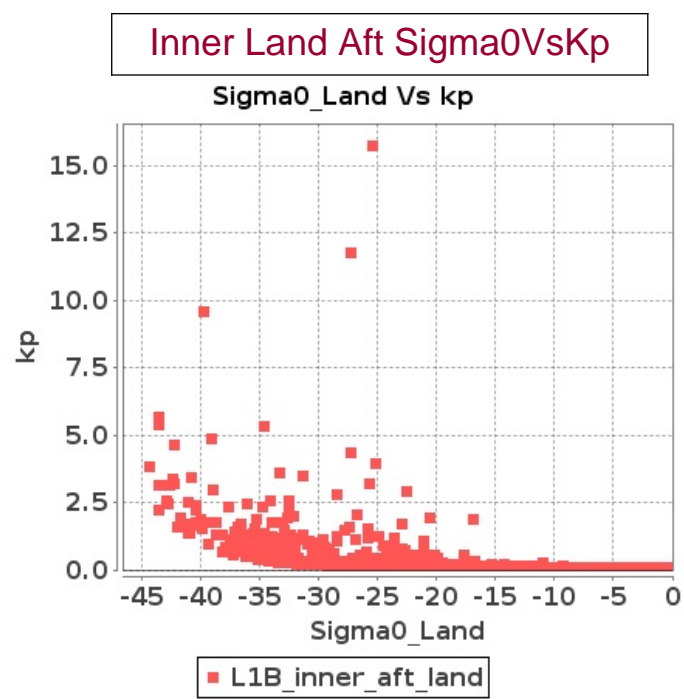
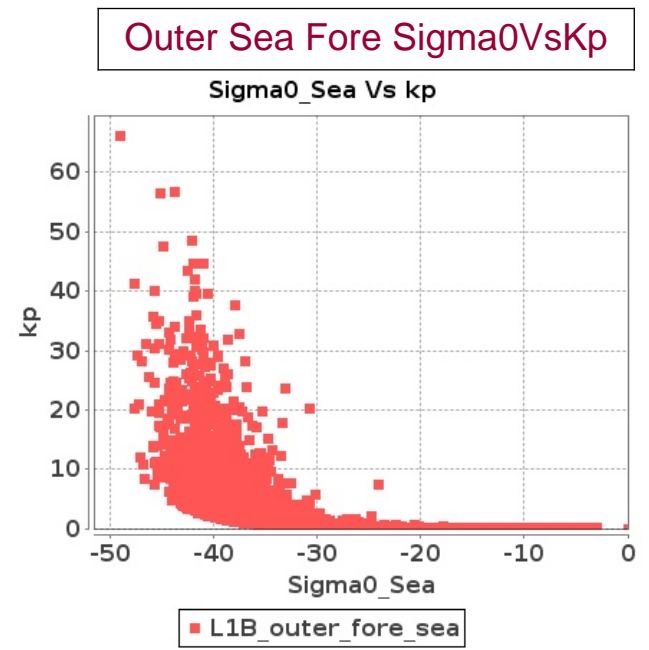
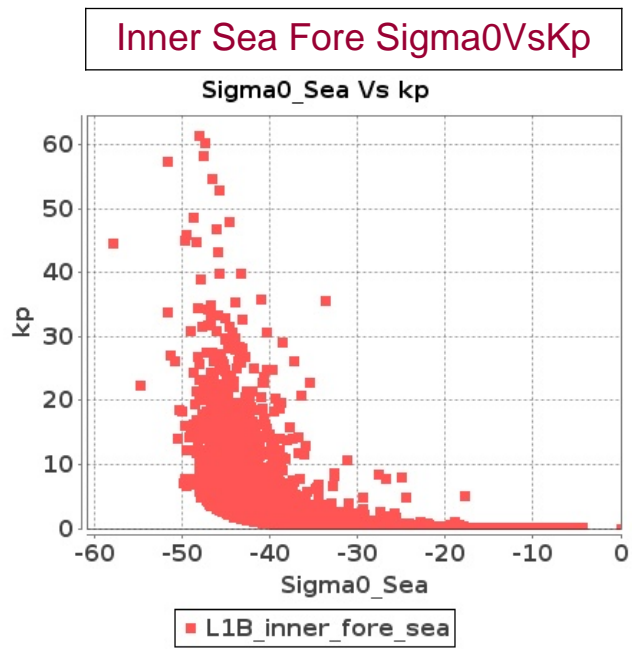
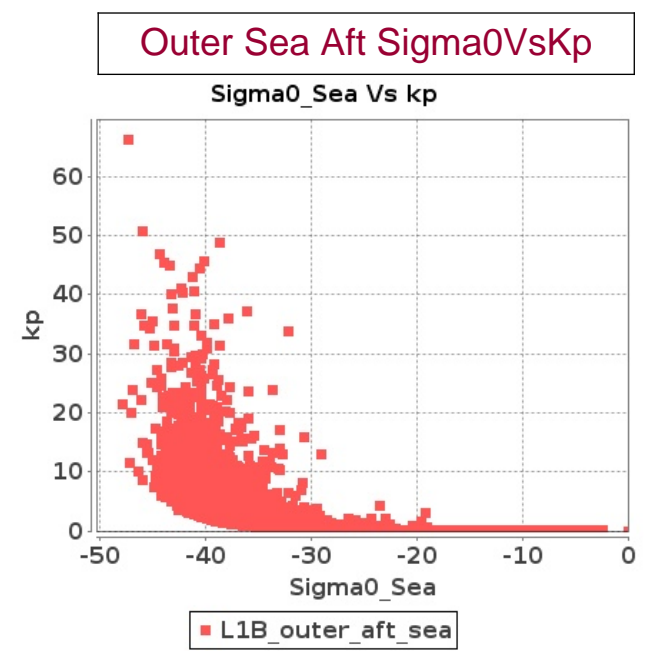
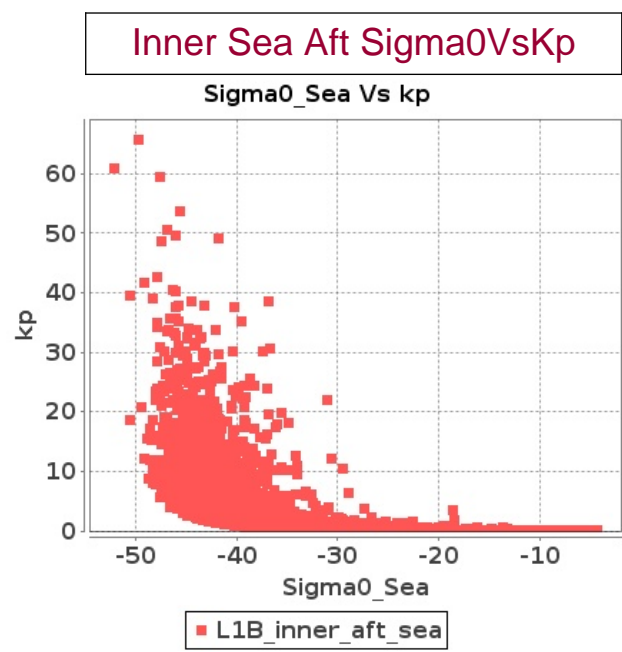


SCATSAT-1 Scatterometer Level-1B Data Quality Cycle wise Report

Report between 06-JUN-2018 To 07-JUN-2018





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

Report between 06-JUN-2018 To 07-JUN-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 | 8958 | 8959 | NS | 1 | 48.561 | 49.36 | 0.0 | 0.003 | 207.016 | 2.755 | 1018.336 | 1096.432 | 16.361 | -91.398 | -89.698 | 0.0 |
| 2 | 8959 | 8960 | SN | 1 | 48.821 | 49.529 | 0.0 | 0.003 | 6.684 | 2.426 | 1036.64 | 1098.792 | 7.284 | -91.79 | -89.905 | 0.0 |
| 3 | 8959 | 8960 | NS | 1 | 48.623 | 49.362 | 0.0 | 0.0 | 267.4 | 2.534 | 1018.528 | 1096.688 | 17.429 | -91.568 | -89.663 | 0.0 |
| 4 | 8959 | 8960 | SN | 1 | 48.821 | 49.529 | 0.0 | 0.003 | 6.684 | 2.518 | 1036.192 | 1098.792 | 7.222 | -91.79 | -89.9 | 0.0 |
| 5 | 8960 | 8961 | SN | 1 | 48.766 | 49.529 | 0.0 | 0.003 | 6.684 | 2.491 | 1036.152 | 1098.832 | 7.036 | -91.735 | -89.9 | 0.0 |
| 6 | 8960 | 8961 | NS | 1 | 48.624 | 49.411 | 0.0 | 0.003 | 268.194 | 2.597 | 1018.424 | 1096.8 | 17.443 | -91.847 | -89.664 | 0.0 |
| 7 | 8961 | 8962 | SN | 1 | 48.608 | 49.528 | 0.0 | 0.0 | 205.776 | 2.667 | 1034.384 | 1098.728 | 6.867 | -92.415 | -89.898 | 0.0 |
| 8 | 8961 | 8962 | NS | 1 | 48.625 | 49.381 | 0.0 | 0.003 | 41.9 | 2.694 | 1018.312 | 1096.76 | 16.367 | -91.736 | -89.696 | 0.0 |
| 9 | 8962 | 8963 | NS | 1 | 48.584 | 49.416 | 0.0 | 0.0 | 206.989 | 2.769 | 1018.784 | 1096.64 | 16.221 | -91.866 | -89.714 | 0.0 |
| 10 | 8962 | 8963 | SN | 1 | 48.754 | 49.528 | 0.0 | 0.003 | 280.868 | 2.547 | 1036.12 | 1098.688 | 7.071 | -91.69 | -89.902 | 0.0 |
| 11 | 8963 | 8964 | NS | 1 | 48.625 | 49.361 | 0.0 | 0.0 | 42.482 | 2.756 | 1018.864 | 1096.568 | 16.818 | -91.643 | -89.715 | 0.0 |
| 12 | 8963 | 8964 | SN | 1 | 48.751 | 49.527 | 0.0 | 0.003 | 281.552 | 2.587 | 1036.08 | 1098.584 | 7.054 | -91.58 | -89.899 | 0.0 |
| 13 | 8964 | 8965 | NS | 1 | 48.578 | 49.409 | 0.0 | 0.003 | 264.659 | 2.647 | 1018.344 | 1096.64 | 17.467 | -91.849 | -89.721 | 0.0 |
| 14 | 8964 | 8965 | SN | 1 | 48.799 | 49.528 | 0.0 | 0.0 | 279.092 | 2.662 | 1036.0 | 1098.68 | 7.417 | -91.432 | -89.897 | 0.0 |
| 15 | 8965 | 8966 | NS | 1 | 48.564 | 49.39 | 0.0 | 0.003 | 264.384 | 2.691 | 1017.752 | 1096.824 | 18.289 | -91.811 | -89.721 | 0.0 |
| 16 | 8965 | 8966 | SN | 1 | 48.778 | 49.554 | 0.0 | 0.003 | 215.041 | 2.594 | 1035.04 | 1098.848 | 7.312 | -91.92 | -89.891 | 0.0 |
| 17 | 8966 | 8967 | SN | 1 | 48.82 | 49.55 | 0.0 | 0.0 | 280.212 | 2.547 | 1036.232 | 1098.92 | 7.658 | -91.912 | -89.873 | 0.0 |
| 18 | 8966 | 8967 | NS | 1 | 48.603 | 49.414 | 0.0 | 0.0 | 210.557 | 2.835 | 1018.8 | 1096.864 | 16.132 | -91.771 | -89.718 | 0.0 |
| 19 | 8967 | 8968 | NS | 1 | 48.626 | 49.364 | 0.0 | 0.003 | 267.488 | 2.67 | 1018.544 | 1096.792 | 17.371 | -92.564 | -89.693 | 0.0 |
| 20 | 8972 | 8973 | SN | 1 | 48.795 | 49.598 | 0.0 | 0.003 | 6.695 | 2.077 | 1037.168 | 1099.112 | 9.336 | -91.936 | -89.914 | 0.0 |
| 21 | 8972 | 8973 | SN | 1 | 48.795 | 49.598 | 0.0 | 0.0 | 132.994 | 2.793 | 1035.72 | 1099.112 | 8.982 | -91.936 | -89.896 | 0.0 |
| 22 | 8972 | 8973 | SN | 2 | 48.795 | 49.598 | 0.0 | 0.0 | 132.994 | 2.793 | 1035.72 | 1099.112 | 8.983 | -91.936 | -89.896 | 0.0 |
| 23 | 8973 | 8974 | NS | 1 | 48.624 | 49.364 | 0.0 | 0.003 | 264.604 | 2.634 | 1018.936 | 1097.16 | 16.068 | -91.707 | -89.709 | 0.0 |
| 24 | 8973 | 8974 | SN | 1 | 48.814 | 49.529 | 0.0 | 0.003 | 6.701 | 2.595 | 1035.72 | 1099.072 | 8.439 | -91.784 | -89.896 | 0.0 |
| 25 | 8973 | 8974 | SN | 1 | 48.814 | 49.529 | 0.0 | 0.003 | 6.701 | 2.603 | 1035.736 | 1099.072 | 8.434 | -91.784 | -89.896 | 0.0 |
| 26 | 8973 | 8974 | NS | 1 | 48.624 | 49.364 | 0.0 | 0.003 | 264.604 | 2.62 | 1018.936 | 1097.16 | 16.084 | -91.707 | -89.709 | 0.0 |
| 27 | 8974 | 8975 | NS | 2 | 48.615 | 49.372 | 0.0 | 0.0 | 267.373 | 2.652 | 1018.328 | 1097.4 | 16.71 | -91.711 | -89.653 | 0.0 |
| 28 | 8974 | 8975 | SN | 1 | 48.758 | 49.53 | 0.0 | 0.003 | 279.577 | 2.384 | 1035.944 | 1099.224 | 8.21 | -91.843 | -89.897 | 0.0 |
| 29 | 8974 | 8975 | SN | 1 | 48.751 | 49.53 | 0.0 | 0.003 | 279.577 | 2.381 | 1035.816 | 1099.224 | 8.201 | -91.968 | -89.897 | 0.0 |
| 30 | 8974 | 8975 | NS | 1 | 48.616 | 49.373 | 0.0 | 0.0 | 267.373 | 2.651 | 1018.352 | 1097.384 | 16.638 | -91.801 | -89.653 | 0.0 |
| 31 | 8974 | 8975 | SN | 1 | 48.751 | 49.53 | 0.0 | 0.003 | 279.577 | 2.497 | 1035.624 | 1099.224 | 8.123 | -91.968 | -89.893 | 0.0 |
| 32 | 8975 | 8976 | NS | 1 | 48.626 | 49.367 | 0.0 | 0.0 | 264.4 | 2.7 | 1018.976 | 1097.384 | 16.382 | -91.884 | -89.704 | 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 | 8975 | 8976 | SN | 1 | 48.761 | 49.528 | 0.0 | 0.003 | 6.695 | 2.531 | 1035.528 | 1099.16 | 7.985 | -91.621 | -89.889 | 0.0 |
| 34 | 8976 | 8977 | NS | 1 | 48.626 | 49.421 | 0.0 | 0.003 | 264.477 | 2.625 | 1019.336 | 1097.32 | 15.371 | -91.862 | -89.71 | 0.0 |
| 35 | 8976 | 8977 | SN | 1 | 48.748 | 49.528 | 0.0 | 0.003 | 6.679 | 2.511 | 1035.592 | 1099.048 | 7.909 | -91.725 | -89.893 | 0.0 |
| 36 | 8976 | 8977 | SN | 1 | 48.748 | 49.528 | 0.0 | 0.003 | 6.679 | 2.168 | 1035.624 | 1099.048 | 8.1 | -91.725 | -89.908 | 0.0 |
| 37 | 8977 | 8978 | SN | 1 | 48.741 | 49.528 | 0.0 | 0.003 | 29.144 | 2.565 | 1035.448 | 1099.008 | 7.578 | -91.803 | -89.894 | 0.0 |
| 38 | 8977 | 8978 | NS | 1 | 48.604 | 49.364 | 0.0 | 0.003 | 42.289 | 2.698 | 1018.472 | 1097.2 | 15.59 | -91.552 | -89.714 | 0.0 |
| 39 | 8977 | 8978 | SN | 1 | 48.741 | 49.528 | 0.0 | 0.003 | 29.144 | 2.517 | 1035.448 | 1099.008 | 7.603 | -91.803 | -89.896 | 0.0 |
| 40 | 8978 | 8979 | NS | 1 | 48.571 | 49.408 | 0.0 | 0.0 | 41.178 | 2.737 | 1019.256 | 1097.176 | 15.76 | -91.837 | -89.724 | 0.0 |
| 41 | 8978 | 8979 | SN | 1 | 48.754 | 49.545 | 0.0 | 0.003 | 28.248 | 2.257 | 1035.72 | 1098.992 | 8.182 | -91.8 | -89.905 | 0.0 |
| 42 | 8978 | 8979 | SN | 1 | 48.754 | 49.545 | 0.0 | 0.003 | 28.248 | 2.632 | 1035.456 | 1098.992 | 7.988 | -91.8 | -89.89 | 0.0 |
| 43 | 8979 | 8980 | SN | 1 | 48.794 | 49.592 | 0.0 | 0.003 | 6.695 | 2.669 | 1035.464 | 1099.176 | 8.739 | -91.953 | -89.893 | 0.0 |
| 44 | 8979 | 8980 | SN | 1 | 48.788 | 49.592 | 0.0 | 0.003 | 6.695 | 1.593 | 1036.424 | 1099.176 | 9.412 | -91.953 | -89.922 | 0.0 |
| 45 | 8979 | 8980 | NS | 1 | 48.565 | 49.401 | 0.0 | 0.0 | 39.62 | 2.743 | 1019.136 | 1097.352 | 16.92 | -91.763 | -89.727 | 0.0 |
| 46 | 8980 | 8981 | NS | 1 | 48.568 | 49.426 | 0.0 | 0.003 | 210.656 | 2.671 | 1019.16 | 1097.456 | 16.645 | -91.907 | -89.726 | 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 | 8958 | 8959 | NS | 1 | -34.908 | 27.761 | 0.02 | -33.3 | 27.266 | 0.026 | 3.874 | 30.829 | 19.36 | 6.068 | 35.476 | 30.637 | 0.116 | 300.066 | 4.327 | 0.116 | 207.28 | 3.657 | 0.116 | 0.148 | 0.0 | 0.116 | 0.135 | 0.0 | | | | |
| 2 | 8959 | 8960 | SN | 1 | -34.677 | 24.078 | 0.055 | -34.295 | 24.475 | 0.066 | -19.534 | 29.746 | 9.185 | -14.385 | 29.653 | 5.279 | 0.116 | 284.587 | 2.532 | 0.116 | 260.63 | 1.737 | 0.116 | 8.792 | 0.012 | 0.116 | 2.75 | 0.007 | | | | |
| 3 | 8959 | 8960 | NS | 1 | -34.574 | 26.912 | 0.034 | -33.901 | 26.966 | 0.032 | -13.483 | 32.99 | 13.745 | -20.918 | 32.696 | 25.885 | 0.116 | 277.82 | 2.658 | 0.116 | 237.95 | 2.291 | 0.116 | 2.251 | 0.003 | 0.116 | 12.062 | 0.003 | | | | |
| 4 | 8959 | 8960 | SN | 1 | -34.677 | 24.078 | 0.055 | -34.295 | 24.475 | 0.065 | -19.534 | 29.746 | 9.185 | -14.385 | 29.653 | 5.279 | 0.116 | 284.587 | 2.498 | 0.116 | 260.63 | 1.713 | 0.116 | 8.792 | 0.012 | 0.116 | 2.75 | 0.007 | | | | |
| 5 | 8960 | 8961 | SN | 1 | -33.782 | 22.832 | 0.01 | -33.327 | 23.96 | 0.034 | 6.541 | 28.552 | 14.812 | 6.988 | 29.757 | 7.604 | 0.116 | 231.532 | 1.031 | 0.116 | 208.556 | 0.779 | 0.116 | 0.133 | 0.0 | 0.116 | 0.131 | 0.0 | | | | |
| 6 | 8960 | 8961 | NS | 1 | -34.793 | 23.482 | 0.005 | -34.916 | 24.7 | 0.003 | -21.384 | 28.849 | 10.552 | -22.055 | 29.571 | 19.03 | 0.116 | 292.272 | 2.575 | 0.116 | 300.553 | 2.391 | 0.116 | 13.414 | 0.005 | 0.116 | 15.646 | 0.002 | | | | |
| 7 | 8961 | 8962 | SN | 1 | -33.976 | 22.525 | 0.006 | -34.622 | 23.516 | 0.032 | 5.132 | 28.009 | 13.77 | 6.984 | 29.01 | 9.314 | 0.116 | 242.175 | 1.661 | 0.116 | 280.923 | 1.219 | 0.116 | 0.14 | 0.0 | 0.116 | 0.131 | 0.0 | | | | |
| 8 | 8961 | 8962 | NS | 1 | -33.122 | 24.12 | 0.011 | -32.587 | 23.119 | 0.007 | -8.118 | 30.711 | 6.734 | -13.086 | 30.127 | 13.278 | 0.116 | 198.958 | 1.44 | 0.116 | 175.915 | 1.136 | 0.116 | 0.721 | 0.0 | 0.116 | 2.063 | 0.003 | | | | |
| 9 | 8962 | 8963 | NS | 1 | -34.991 | 20.951 | 0.0 | -34.713 | 23.753 | 0.005 | -16.54 | 28.4 | 12.789 | -5.529 | 30.091 | 18.654 | 0.116 | 305.923 | 7.349 | 0.116 | 300.239 | 6.884 | 0.116 | 4.458 | 0.003 | 0.116 | 0.441 | 0.0 | | | | |
| 10 | 8962 | 8963 | SN | 1 | -34.807 | 22.311 | 0.001 | -34.911 | 24.209 | 0.002 | 5.879 | 28.326 | 15.126 | 5.839 | 29.027 | 16.891 | 0.116 | 293.201 | 8.167 | 0.116 | 300.331 | 7.098 | 0.116 | 0.136 | 0.0 | 0.116 | 0.136 | 0.0 | | | | |
| 11 | 8963 | 8964 | NS | 1 | -34.755 | 23.202 | 0.081 | -34.721 | 24.758 | 0.088 | -9.452 | 30.08 | 8.906 | -4.614 | 34.082 | 16.027 | 0.116 | 289.67 | 2.571 | 0.116 | 287.449 | 2.367 | 0.116 | 0.946 | 0.0 | 0.116 | 0.377 | 0.0 | | | | |
| 12 | 8963 | 8964 | SN | 1 | -34.637 | 20.814 | 0.0 | -34.734 | 20.382 | 0.0 | 3.414 | 27.885 | 13.697 | 3.894 | 28.629 | 12.296 | 0.116 | 281.902 | 5.735 | 0.116 | 288.363 | 5.115 | 0.116 | 0.152 | 0.0 | 0.116 | 0.148 | 0.0 | | | | |
| 13 | 8964 | 8965 | NS | 1 | -34.99 | 25.84 | 0.236 | -34.968 | 25.916 | 0.576 | 6.806 | 28.068 | 15.824 | 7.222 | 29.587 | 26.232 | 0.116 | 305.799 | 5.531 | 0.116 | 304.301 | 5.907 | 0.116 | 0.132 | 0.0 | 0.116 | 0.13 | 0.0 | | | | |
| 14 | 8964 | 8965 | SN | 1 | -34.909 | 24.112 | 0.031 | -34.518 | 24.489 | 0.039 | -15.699 | 32.95 | 11.298 | -25.18 | 33.561 | 12.409 | 0.116 | 300.199 | 2.11 | 0.116 | 274.283 | 2.101 | 0.116 | 3.689 | 0.008 | 0.116 | 32.031 | 0.004 | | | | |
| 15 | 8965 | 8966 | NS | 1 | -34.926 | 24.873 | 0.091 | -34.912 | 25.36 | 0.239 | 3.605 | 30.425 | 16.358 | 4.298 | 30.563 | 31.004 | 0.116 | 301.404 | 4.521 | 0.116 | 300.428 | 4.49 | 0.116 | 0.151 | 0.0 | 0.116 | 0.145 | 0.0 | | | | |
| 16 | 8965 | 8966 | SN | 1 | -34.657 | 25.554 | 0.041 | -34.024 | 26.536 | 0.159 | -27.505 | 32.439 | 17.31 | -14.746 | 32.576 | 21.838 | 0.116 | 283.226 | 4.127 | 0.116 | 244.839 | 3.149 | 0.116 | 54.644 | 0.01 | 0.116 | 2.98 | 0.009 | | | | |
| 17 | 8966 | 8967 | SN | 1 | -34.858 | 26.019 | 0.086 | -34.196 | 27.576 | 0.19 | -15.846 | 29.16 | 15.756 | -2.192 | 30.516 | 15.401 | 0.116 | 296.691 | 1.026 | 0.116 | 254.738 | 1.048 | 0.116 | 3.813 | 0.003 | 0.116 | 0.26 | 0.0 | | | | |
| 18 | 8966 | 8967 | NS | 1 | -34.934 | 27.682 | 0.076 | -32.296 | 29.034 | 0.12 | -23.633 | 31.412 | 23.007 | -17.119 | 30.181 | 37.9 | 0.116 | 301.865 | 1.991 | 0.116 | 164.498 | 1.474 | 0.116 | 22.458 | 0.06 | 0.116 | 5.08 | 0.016 | | | | |
| 19 | 8967 | 8968 | NS | 1 | -34.925 | 27.048 | 0.066 | -32.805 | 25.759 | 0.022 | -27.912 | 36.092 | 12.741 | -33.157 | 33.318 | 24.004 | 0.116 | 301.296 | 1.188 | 0.116 | 184.956 | 1.093 | 0.116 | 60.015 | 0.405 | 0.116 | 200.533 | 0.3 | | | | |
| 20 | 8972 | 8973 | SN | 1 | -34.951 | 25.869 | 0.308 | -34.786 | 25.928 | 0.759 | -25.805 | 28.354 | 11.909 | -27.891 | 30.192 | 16.085 | 0.116 | 303.124 | 6.506 | 0.116 | 291.727 | 5.382 | 0.116 | 36.98 | 0.11 | 0.116 | 59.707 | 0.087 | | | | |
| 21 | 8972 | 8973 | SN | 1 | -34.951 | 25.869 | 0.338 | -34.786 | 25.928 | 0.694 | -25.805 | 28.354 | 11.975 | -27.891 | 30.192 | 16.083 | 0.116 | 303.124 | 6.173 | 0.116 | 291.727 | 4.886 | 0.116 | 36.98 | 0.11 | 0.116 | 59.707 | 0.087 | | | | |
| 22 | 8972 | 8973 | SN | 2 | -34.951 | 25.869 | 0.338 | -34.786 | 25.928 | 0.694 | -25.805 | 28.354 | 11.975 | -27.891 | 30.192 | 16.083 | 0.116 | 303.124 | 6.174 | 0.116 | 291.727 | 4.887 | 0.116 | 36.98 | 0.11 | 0.116 | 59.707 | 0.087 | | | | |
| 23 | 8973 | 8974 | NS | 1 | -34.374 | 26.889 | 0.023 | -34.226 | 27.814 | 0.02 | -0.086 | 33.428 | 17.741 | 1.854 | 35.105 | 32.414 | 0.116 | 265.404 | 2.297 | 0.116 | 256.455 | 2.252 | 0.116 | 0.202 | 0.0 | 0.116 | 0.169 | 0.0 | | | | |
| 24 | 8973 | 8974 | SN | 1 | -34.311 | 25.868 | 0.371 | -34.846 | 26.214 | 0.607 | -20.316 | 32.382 | 10.737 | -27.317 | 30.637 | 7.733 | 0.116 | 261.557 | 2.796 | 0.116 | 295.856 | 2.552 | 0.116 | 10.512 | 0.027 | 0.116 | 52.33 | 0.023 | | | | |
| 25 | 8973 | 8974 | SN | 1 | -34.311 | 25.868 | 0.371 | -34.846 | 26.214 | 0.619 | -20.316 | 32.382 | 10.726 | -27.317 | 30.637 | 7.733 | 0.116 | 261.557 | 2.796 | 0.116 | 295.856 | 2.548 | 0.116 | 10.512 | 0.027 | 0.116 | 52.33 | 0.023 | | | | |
| 26 | 8973 | 8974 | NS | 1 | -34.919 | 26.889 | 0.023 | -33.99 | 27.815 | 0.02 | -0.08 | 33.428 | 17.743 | 1.863 | 35.105 | 32.417 | 0.116 | 300.857 | 2.303 | 0.116 | 242.933 | 2.259 | 0.116 | 0.202 | 0.0 | 0.116 | 0.169 | 0.0 | | | | |
| 27 | 8974 | 8975 | NS | 2 | -34.708 | 23.683 | 0.009 | -34.704 | 24.938 | 0.008 | -9.235 | 29.37 | 10.761 | -6.534 | 30.404 | 19.931 | 0.116 | 286.588 | 2.357 | 0.116 | 286.261 | 2.029 | 0.116 | 0.905 | 0.0 | 0.116 | 0.53 | 0.0 | | | | |
| 28 | 8974 | 8975 | SN | 1 | -31.692 | 24.457 | 0.023 | -34.889 | 24.548 | 0.018 | 6.736 | 28.671 | 12.071 | 6.021 | 31.347 | 6.821 | 0.116 | 143.12 | 0.867 | 0.116 | 298.792 | 0.63 | 0.116 | 0.132 | 0.0 | 0.116 | 0.135 | 0.0 | | | | |
| 29 | 8974 | 8975 | SN | 1 | -32.874 | 24.457 | 0.023 | -34.889 | 24.548 | 0.018 | 6.736 | 28.671 | 12.071 | 6.021 | 31.347 | 6.824 | 0.116 | 187.89 | 0.866 | 0.116 | 298.792 | 0.629 | 0.116 | 0.132 | 0.0 | 0.116 | 0.135 | 0.0 | | | | |
| 30 | 8974 | 8975 | NS | 1 | -34.699 | 23.683 | 0.009 | -34.574 | 24.938 | 0.008 | -9.235 | 29.37 | 10.763 | -6.534 | 30.404 | 19.93 | 0.116 | 286.037 | 2.358 | 0.116 | 277.812 | 2.028 | 0.116 | 0.905 | 0.0 | 0.116 | 0.53 | 0.0 | | | | |
| 31 | 8974 | 8975 | SN | 1 | -32.874 | 24.457 | 0.023 | -34.889 | 24.548 | 0.018 | 6.736 | 28.671 | 12.071 | 6.021 | 31.347 | 6.824 | 0.116 | 187.89 | 0.854 | 0.116 | 298.792 | 0.622 | 0.116 | 0.132 | 0.0 | 0.116 | 0.135 | 0.0 | | | | |
| 32 | 8975 | 8976 | NS | 1 | -33.65 | 24.488 | 0.007 | -32.04 | 24.455 | 0.009 | -13.349 | 28.841 | 9.836 | -8.414 | 31.622 | 18.518 | 0.116 | 224.678 | 1.463 | 0.116 | 155.065 | 1.15 | 0.116 | 2.185 | 0.002 | 0.116 | 0.765 | 0.0 | | | | |
| 33 | 8975 | 8976 | SN | 1 | -34.736 | 22.466 | 0.005 | -34.649 | 23.406 | 0.025 | 4.409 | 27.563 | 12.474 | 4.955 | 28.697 | 5.233 | 0.116 | 288.437 | 2.571 | 0.116 | 282.795 | 2.17 | 0.116 | 0.144 | 0.0 | 0.116 | 0.141 | 0.0 | | | | |

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

- Normal
- Deviations
- Alarming
- High Errors

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|-------|-------|
| 34 | 8976 | 8977 | NS | 1 | -34.498 | 20.162 | 0.0 | -33.833 | 21.853 | 0.0 | -19.551 | 28.711 | 7.942 | -21.319 | 30.523 | 13.727 | 0.116 | 273.067 | 1.343 | 0.116 | 234.323 | 1.151 | 0.116 | 8.828 | 0.013 | 0.116 | 13.22 | 0.008 |
| 35 | 8976 | 8977 | SN | 1 | -34.707 | 24.118 | 0.028 | -34.424 | 24.452 | 0.05 | 3.749 | 28.959 | 17.788 | 5.167 | 28.836 | 19.226 | 0.116 | 286.48 | 5.533 | 0.116 | 268.467 | 4.675 | 0.116 | 0.15 | 0.0 | 0.116 | 0.14 | 0.0 |
| 36 | 8976 | 8977 | SN | 1 | -34.707 | 24.118 | 0.028 | -34.424 | 24.452 | 0.051 | 3.741 | 28.959 | 17.924 | 5.167 | 28.836 | 19.913 | 0.116 | 286.48 | 5.7 | 0.116 | 268.467 | 4.776 | 0.116 | 0.15 | 0.0 | 0.116 | 0.14 | 0.0 |
| 37 | 8977 | 8978 | SN | 1 | -34.97 | 22.452 | 0.001 | -34.81 | 22.506 | 0.002 | 3.551 | 28.009 | 15.556 | 3.316 | 28.88 | 16.353 | 0.116 | 304.326 | 5.75 | 0.116 | 293.428 | 4.775 | 0.116 | 0.151 | 0.0 | 0.116 | 0.153 | 0.0 |
| 38 | 8977 | 8978 | NS | 1 | -33.376 | 21.186 | 0.0 | -34.787 | 21.199 | 0.0 | -20.383 | 28.567 | 9.244 | -9.336 | 30.147 | 15.638 | 0.116 | 210.924 | 2.677 | 0.116 | 291.811 | 2.153 | 0.116 | 10.674 | 0.008 | 0.116 | 0.924 | 0.0 |
| 39 | 8977 | 8978 | SN | 1 | -34.97 | 22.452 | 0.001 | -34.81 | 22.506 | 0.002 | 3.551 | 28.009 | 15.559 | 3.316 | 28.88 | 16.353 | 0.116 | 304.326 | 5.77 | 0.116 | 293.428 | 4.794 | 0.116 | 0.151 | 0.0 | 0.116 | 0.153 | 0.0 |
| 40 | 8978 | 8979 | NS | 1 | -34.852 | 25.97 | 0.202 | -34.999 | 26.247 | 0.434 | -4.873 | 29.386 | 11.89 | -4.229 | 31.782 | 18.435 | 0.116 | 296.236 | 5.307 | 0.116 | 306.483 | 4.998 | 0.116 | 0.394 | 0.0 | 0.116 | 0.353 | 0.0 |
| 41 | 8978 | 8979 | SN | 1 | -34.973 | 21.624 | 0.0 | -34.639 | 23.071 | 0.001 | 3.639 | 30.097 | 12.197 | 1.281 | 31.573 | 12.13 | 0.116 | 304.593 | 4.38 | 0.116 | 282.077 | 4.353 | 0.116 | 0.15 | 0.0 | 0.116 | 0.177 | 0.0 |
| 42 | 8978 | 8979 | SN | 1 | -34.973 | 21.624 | 0.0 | -34.639 | 23.071 | 0.001 | 3.639 | 30.097 | 12.141 | 1.281 | 31.573 | 12.135 | 0.116 | 304.593 | 4.252 | 0.116 | 282.077 | 4.205 | 0.116 | 0.15 | 0.0 | 0.116 | 0.177 | 0.0 |
| 43 | 8979 | 8980 | SN | 1 | -34.943 | 23.816 | 0.016 | -33.859 | 25.564 | 0.037 | -22.16 | 34.621 | 14.993 | -18.429 | 34.605 | 17.454 | 0.116 | 302.541 | 1.231 | 0.116 | 235.726 | 1.298 | 0.116 | 16.026 | 0.015 | 0.116 | 6.838 | 0.008 |
| 44 | 8979 | 8980 | SN | 1 | -34.943 | 23.816 | 0.017 | -33.859 | 25.564 | 0.024 | -22.31 | 34.621 | 15.926 | -18.429 | 34.605 | 17.523 | 0.116 | 302.541 | 1.335 | 0.116 | 235.726 | 1.503 | 0.116 | 16.584 | 0.016 | 0.116 | 6.838 | 0.008 |
| 45 | 8979 | 8980 | NS | 1 | -34.812 | 24.879 | 0.294 | -34.823 | 25.982 | 0.601 | 6.49 | 32.393 | 10.882 | 7.539 | 29.939 | 20.458 | 0.116 | 293.489 | 5.76 | 0.116 | 294.287 | 5.314 | 0.116 | 0.133 | 0.0 | 0.116 | 0.129 | 0.0 |
| 46 | 8980 | 8981 | NS | 1 | -34.789 | 24.4 | 0.106 | -34.521 | 24.817 | 0.214 | -3.794 | 28.564 | 24.086 | 2.454 | 29.675 | 41.649 | 0.116 | 291.928 | 3.084 | 0.116 | 274.49 | 2.387 | 0.116 | 0.33 | 0.0 | 0.116 | 0.162 | 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 | 8958 | 8959 | NS | 1 | 57.326 | 58.247 | 0.0 | 0.0 | 290.85 | 3.879 | 1191.536 | 1288.88 | 46.919 | -93.39 | -91.744 | 0.0 |
| 2 | 8959 | 8960 | SN | 1 | 57.574 | 58.422 | 0.0 | 0.0 | 290.861 | 3.496 | 1214.792 | 1292.424 | 17.841 | -93.224 | -91.959 | 0.0 |
| 3 | 8959 | 8960 | NS | 1 | 57.357 | 58.25 | 0.0 | 0.0 | 290.982 | 3.574 | 1192.416 | 1289.2 | 49.149 | -93.435 | -91.717 | 0.0 |
| 4 | 8959 | 8960 | SN | 1 | 57.574 | 58.422 | 0.0 | 0.0 | 290.861 | 3.602 | 1214.192 | 1292.424 | 17.696 | -93.224 | -91.955 | 0.0 |
| 5 | 8960 | 8961 | SN | 1 | 57.552 | 58.435 | 0.0 | 0.0 | 299.834 | 3.492 | 1214.152 | 1292.472 | 17.82 | -93.231 | -91.956 | 0.0 |
| 6 | 8960 | 8961 | NS | 1 | 57.36 | 58.256 | 0.0 | 0.0 | 292.819 | 3.548 | 1192.248 | 1289.344 | 50.004 | -93.388 | -91.714 | 0.0 |
| 7 | 8961 | 8962 | SN | 1 | 57.358 | 58.42 | 0.0 | 0.0 | 298.941 | 3.638 | 1210.68 | 1292.352 | 17.935 | -94.61 | -91.952 | 0.0 |
| 8 | 8961 | 8962 | NS | 1 | 57.34 | 58.252 | 0.0 | 0.0 | 295.273 | 3.656 | 1192.008 | 1289.304 | 49.527 | -93.868 | -91.75 | 0.0 |
| 9 | 8962 | 8963 | NS | 1 | 57.333 | 58.252 | 0.0 | 0.0 | 299.525 | 3.858 | 1192.768 | 1289.136 | 48.785 | -93.2 | -91.763 | 0.0 |
| 10 | 8962 | 8963 | SN | 1 | 57.53 | 58.42 | 0.0 | 0.0 | 295.064 | 3.551 | 1214.128 | 1292.304 | 17.766 | -93.237 | -91.952 | 0.0 |
| 11 | 8963 | 8964 | NS | 1 | 57.325 | 58.249 | 0.0 | 0.0 | 297.319 | 3.867 | 1192.816 | 1289.056 | 46.973 | -92.999 | -91.77 | 0.0 |
| 12 | 8963 | 8964 | SN | 1 | 57.534 | 58.419 | 0.0 | 0.0 | 292.074 | 3.605 | 1214.072 | 1292.176 | 17.824 | -93.126 | -91.955 | 0.0 |
| 13 | 8964 | 8965 | NS | 1 | 57.321 | 58.25 | 0.0 | 0.0 | 294.937 | 3.623 | 1192.704 | 1289.144 | 49.319 | -93.387 | -91.774 | 0.0 |
| 14 | 8964 | 8965 | SN | 1 | 57.557 | 58.42 | 0.0 | 0.0 | 290.933 | 3.724 | 1213.968 | 1292.296 | 18.848 | -93.064 | -91.952 | 0.0 |
| 15 | 8965 | 8966 | NS | 1 | 57.329 | 58.252 | 0.0 | 0.0 | 299.321 | 3.781 | 1191.728 | 1289.368 | 50.417 | -93.386 | -91.773 | 0.0 |
| 16 | 8965 | 8966 | SN | 1 | 57.572 | 58.447 | 0.0 | 0.0 | 291.821 | 3.641 | 1213.944 | 1292.504 | 18.444 | -93.401 | -91.93 | 0.0 |
| 17 | 8966 | 8967 | SN | 1 | 57.564 | 58.429 | 0.0 | 0.0 | 292.747 | 3.579 | 1213.904 | 1292.592 | 18.012 | -95.381 | -91.923 | 0.0 |
| 18 | 8966 | 8967 | NS | 1 | 57.341 | 58.252 | 0.0 | 0.0 | 291.346 | 4.039 | 1191.928 | 1289.424 | 47.246 | -93.385 | -91.773 | 0.0 |
| 19 | 8967 | 8968 | NS | 1 | 57.334 | 58.252 | 0.0 | 0.0 | 291.65 | 3.768 | 1192.488 | 1289.344 | 49.598 | -95.592 | -91.741 | 0.0 |
| 20 | 8972 | 8973 | SN | 1 | 57.54 | 58.453 | 0.0 | 0.003 | 298.455 | 3.437 | 1214.344 | 1292.816 | 19.744 | -93.225 | -91.969 | 0.0 |
| 21 | 8972 | 8973 | SN | 1 | 57.54 | 58.453 | 0.0 | 0.0 | 298.455 | 3.938 | 1213.624 | 1292.816 | 19.033 | -93.227 | -91.95 | 0.0 |
| 22 | 8972 | 8973 | SN | 2 | 57.54 | 58.453 | 0.0 | 0.0 | 298.455 | 3.938 | 1213.624 | 1292.816 | 19.033 | -93.227 | -91.95 | 0.0 |
| 23 | 8973 | 8974 | NS | 1 | 57.36 | 58.254 | 0.0 | 0.0 | 292.896 | 3.684 | 1192.848 | 1289.784 | 48.4 | -93.383 | -91.765 | 0.0 |
| 24 | 8973 | 8974 | SN | 1 | 57.566 | 58.441 | 0.0 | 0.0 | 293.464 | 3.656 | 1213.632 | 1292.784 | 18.486 | -93.239 | -91.95 | 0.0 |
| 25 | 8973 | 8974 | SN | 1 | 57.566 | 58.441 | 0.0 | 0.0 | 293.464 | 3.67 | 1213.648 | 1292.784 | 18.473 | -93.239 | -91.95 | 0.0 |
| 26 | 8973 | 8974 | NS | 1 | 57.36 | 58.254 | 0.0 | 0.0 | 292.896 | 3.674 | 1192.848 | 1289.784 | 48.444 | -93.383 | -91.765 | 0.0 |
| 27 | 8974 | 8975 | NS | 2 | 57.36 | 58.257 | 0.0 | 0.0 | 293.657 | 3.617 | 1192.32 | 1290.088 | 49.709 | -93.383 | -91.705 | 0.0 |
| 28 | 8974 | 8975 | SN | 1 | 57.544 | 58.457 | 0.0 | 0.0 | 293.63 | 3.418 | 1213.944 | 1292.952 | 17.9 | -93.276 | -91.952 | 0.0 |
| 29 | 8974 | 8975 | SN | 1 | 57.534 | 58.457 | 0.0 | 0.0 | 293.63 | 3.415 | 1213.816 | 1292.952 | 17.881 | -93.276 | -91.952 | 0.0 |
| 30 | 8974 | 8975 | NS | 1 | 57.361 | 58.256 | 0.0 | 0.0 | 293.619 | 3.615 | 1192.656 | 1290.056 | 49.673 | -93.383 | -91.705 | 0.0 |
| 31 | 8974 | 8975 | SN | 1 | 57.534 | 58.457 | 0.0 | 0.0 | 293.63 | 3.51 | 1213.464 | 1292.952 | 17.712 | -93.276 | -91.948 | 0.0 |
| 32 | 8975 | 8976 | NS | 1 | 57.361 | 58.264 | 0.0 | 0.0 | 295.996 | 3.781 | 1193.216 | 1290.08 | 49.762 | -93.382 | -91.755 | 0.0 |
| 33 | 8975 | 8976 | SN | 1 | 57.528 | 58.421 | 0.0 | 0.0 | 298.957 | 3.513 | 1213.448 | 1292.864 | 17.913 | -93.204 | -91.948 | 0.0 |
| 34 | 8976 | 8977 | NS | 1 | 57.361 | 58.26 | 0.0 | 0.0 | 299.602 | 3.665 | 1193.328 | 1290.0 | 48.861 | -93.504 | -91.764 | 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 | 8976 | 8977 | SN | 1 | 57.538 | 58.42 | 0.0 | 0.0 | 295.742 | 3.535 | 1213.44 | 1292.72 | 17.852 | -93.043 | -91.947 | 0.0 |
| 36 | 8976 | 8977 | SN | 1 | 57.526 | 58.42 | 0.0 | 0.0 | 284.011 | 3.34 | 1213.352 | 1292.72 | 18.24 | -93.043 | -91.961 | 0.0 |
| 37 | 8977 | 8978 | SN | 1 | 57.522 | 58.42 | 0.0 | 0.0 | 296.47 | 3.56 | 1213.368 | 1292.664 | 18.109 | -93.323 | -91.948 | 0.0 |
| 38 | 8977 | 8978 | NS | 1 | 57.33 | 58.254 | 0.0 | 0.0 | 293.139 | 3.733 | 1192.984 | 1289.824 | 48.619 | -93.38 | -91.766 | 0.0 |
| 39 | 8977 | 8978 | SN | 1 | 57.522 | 58.42 | 0.0 | 0.0 | 296.47 | 3.482 | 1213.368 | 1292.664 | 18.172 | -93.323 | -91.949 | 0.0 |
| 40 | 8978 | 8979 | NS | 1 | 57.335 | 58.255 | 0.0 | 0.0 | 296.586 | 3.732 | 1192.84 | 1289.824 | 47.531 | -93.167 | -91.769 | 0.0 |
| 41 | 8978 | 8979 | SN | 1 | 57.528 | 58.44 | 0.0 | 0.0 | 293.696 | 3.469 | 1213.456 | 1292.648 | 18.92 | -93.193 | -91.958 | 0.0 |
| 42 | 8978 | 8979 | SN | 1 | 57.528 | 58.44 | 0.0 | 0.0 | 293.696 | 3.68 | 1213.312 | 1292.648 | 18.482 | -93.71 | -91.947 | 0.0 |
| 43 | 8979 | 8980 | SN | 1 | 57.563 | 58.431 | 0.0 | 0.0 | 293.084 | 3.725 | 1213.32 | 1292.888 | 18.998 | -93.573 | -91.944 | 0.0 |
| 44 | 8979 | 8980 | SN | 1 | 57.563 | 58.431 | 0.0 | 0.0 | 293.084 | 2.741 | 1214.368 | 1292.888 | 20.498 | -93.2 | -91.982 | 0.0 |
| 45 | 8979 | 8980 | NS | 1 | 57.344 | 58.254 | 0.0 | 0.0 | 297.126 | 3.687 | 1192.224 | 1289.96 | 50.58 | -93.38 | -91.779 | 0.0 |
| 46 | 8980 | 8981 | NS | 1 | 57.331 | 58.261 | 0.0 | 0.0 | 296.652 | 3.733 | 1192.248 | 1290.16 | 49.139 | -93.38 | -91.779 | 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 | 8958 | 8959 | NS | 1 | -34.835 | 21.132 | 0.0 | -34.116 | 21.293 | 0.0 | -3.292 | 24.672 | 0.06 | 1.354 | 24.956 | 0.185 | 0.086 | 225.548 | 3.411 | 0.086 | 191.11 | 3.178 | 0.086 | 0.229 | 0.0 | 0.086 | 0.131 | 0.0 |
| 2 | 8959 | 8960 | SN | 1 | -34.377 | 18.174 | 0.0 | -34.031 | 19.284 | 0.0 | -11.752 | 22.195 | 0.004 | -22.417 | 22.989 | 0.061 | 0.086 | 202.955 | 2.064 | 0.086 | 187.384 | 1.702 | 0.086 | 1.174 | 0.002 | 0.086 | 12.986 | 0.005 |
| 3 | 8959 | 8960 | NS | 1 | -34.804 | 20.73 | 0.0 | -33.983 | 21.182 | 0.0 | -13.821 | 22.358 | 0.007 | -11.477 | 22.754 | 0.07 | 0.086 | 223.978 | 1.811 | 0.086 | 185.383 | 1.858 | 0.086 | 1.85 | 0.002 | 0.086 | 1.106 | 0.003 |
| 4 | 8959 | 8960 | SN | 1 | -34.377 | 18.174 | 0.0 | -34.031 | 19.284 | 0.0 | -11.752 | 22.195 | 0.004 | -22.417 | 22.989 | 0.061 | 0.086 | 202.955 | 2.036 | 0.086 | 187.384 | 1.682 | 0.086 | 1.174 | 0.002 | 0.086 | 12.986 | 0.005 |
| 5 | 8960 | 8961 | SN | 1 | -34.829 | 16.935 | 0.0 | -33.423 | 17.486 | 0.0 | 1.043 | 21.991 | 0.0 | 2.027 | 23.111 | 0.126 | 0.087 | 225.201 | 0.865 | 0.087 | 167.096 | 0.735 | 0.086 | 0.135 | 0.0 | 0.086 | 0.124 | 0.0 |
| 6 | 8960 | 8961 | NS | 1 | -34.048 | 17.964 | 0.0 | -34.304 | 15.569 | 0.0 | -5.263 | 21.646 | 0.0 | -20.51 | 22.908 | 0.063 | 0.086 | 188.158 | 1.816 | 0.087 | 199.602 | 2.004 | 0.086 | 0.318 | 0.0 | 0.086 | 8.394 | 0.01 |
| 7 | 8961 | 8962 | SN | 1 | -34.945 | 16.686 | 0.0 | -34.829 | 17.245 | 0.0 | -11.683 | 22.132 | 0.028 | -1.867 | 22.506 | 0.173 | 0.087 | 231.293 | 1.89 | 0.087 | 225.24 | 1.509 | 0.086 | 1.156 | 0.006 | 0.086 | 0.186 | 0.0 |
| 8 | 8961 | 8962 | NS | 1 | -33.88 | 17.582 | 0.0 | -34.554 | 18.982 | 0.0 | -22.493 | 22.014 | 0.001 | -26.289 | 22.692 | 0.034 | 0.087 | 181.024 | 1.444 | 0.086 | 211.414 | 1.277 | 0.086 | 13.213 | 0.007 | 0.086 | 31.582 | 0.021 |
| 9 | 8962 | 8963 | NS | 1 | -34.604 | 14.197 | 0.0 | -34.776 | 16.951 | 0.0 | -10.594 | 24.194 | 0.009 | -11.194 | 23.199 | 0.033 | 0.088 | 213.848 | 5.43 | 0.087 | 222.493 | 5.924 | 0.086 | 0.915 | 0.0 | 0.086 | 1.04 | 0.001 |
| 10 | 8962 | 8963 | SN | 1 | -34.869 | 17.048 | 0.0 | -34.782 | 17.975 | 0.0 | 1.077 | 21.658 | 0.0 | -1.502 | 22.396 | 0.206 | 0.087 | 233.082 | 6.822 | 0.086 | 222.846 | 5.866 | 0.086 | 0.134 | 0.0 | 0.086 | 0.178 | 0.0 |
| 11 | 8963 | 8964 | NS | 1 | -33.293 | 18.136 | 0.0 | -33.919 | 17.497 | 0.0 | -32.139 | 21.926 | 0.0 | -21.628 | 22.829 | 0.101 | 0.086 | 158.139 | 2.496 | 0.087 | 182.703 | 2.61 | 0.086 | 121.271 | 0.118 | 0.086 | 10.841 | 0.016 |
| 12 | 8963 | 8964 | SN | 1 | -34.656 | 16.697 | 0.0 | -34.869 | 16.507 | 0.0 | -0.807 | 22.087 | 0.004 | -0.472 | 22.812 | 0.015 | 0.087 | 216.441 | 4.987 | 0.087 | 227.279 | 4.552 | 0.086 | 0.163 | 0.0 | 0.086 | 0.157 | 0.0 |
| 13 | 8964 | 8965 | NS | 1 | -34.526 | 19.333 | 0.0 | -34.936 | 20.345 | 0.0 | 2.349 | 22.255 | 0.047 | 0.932 | 23.15 | 0.349 | 0.086 | 210.036 | 4.632 | 0.086 | 233.085 | 4.918 | 0.086 | 0.121 | 0.0 | 0.086 | 0.136 | 0.0 |
| 14 | 8964 | 8965 | SN | 1 | -34.734 | 17.271 | 0.0 | -34.728 | 18.063 | 0.0 | -19.11 | 22.996 | 0.118 | -6.56 | 23.603 | 0.555 | 0.087 | 220.39 | 1.802 | 0.086 | 220.087 | 1.865 | 0.086 | 6.097 | 0.009 | 0.086 | 0.403 | 0.0 |
| 15 | 8965 | 8966 | NS | 1 | -34.837 | 18.308 | 0.0 | -34.812 | 19.834 | 0.0 | -1.285 | 22.667 | 0.036 | 0.689 | 23.674 | 0.551 | 0.086 | 225.608 | 4.418 | 0.086 | 224.336 | 4.428 | 0.086 | 0.173 | 0.0 | 0.086 | 0.139 | 0.0 |
| 16 | 8965 | 8966 | SN | 1 | -34.648 | 19.76 | 0.0 | -34.971 | 19.412 | 0.0 | -26.039 | 23.142 | 0.053 | -20.228 | 24.021 | 0.597 | 0.086 | 216.05 | 3.603 | 0.086 | 232.706 | 3.056 | 0.086 | 29.811 | 0.003 | 0.086 | 7.871 | 0.006 |
| 17 | 8966 | 8967 | SN | 1 | -34.738 | 19.304 | 0.0 | -34.891 | 19.574 | 0.0 | -18.332 | 22.908 | 0.02 | -7.15 | 23.478 | 0.257 | 0.086 | 220.563 | 1.798 | 0.086 | 228.418 | 2.059 | 0.086 | 5.108 | 0.017 | 0.086 | 0.452 | 0.0 |
| 18 | 8966 | 8967 | NS | 1 | -34.902 | 21.118 | 0.0 | -34.312 | 21.354 | 0.0 | -16.336 | 22.696 | 0.01 | -29.931 | 23.745 | 1.226 | 0.086 | 228.989 | 1.604 | 0.086 | 199.956 | 1.492 | 0.086 | 3.249 | 0.031 | 0.086 | 72.969 | 0.017 |
| 19 | 8967 | 8968 | NS | 1 | -32.617 | 22.124 | 0.002 | -32.79 | 17.328 | 0.0 | -31.034 | 21.901 | 0.0 | -27.747 | 23.86 | 1.118 | 0.086 | 135.354 | 0.93 | 0.087 | 140.841 | 0.715 | 0.086 | 94.035 | 0.254 | 0.086 | 44.139 | 0.226 |
| 20 | 8972 | 8973 | SN | 1 | -34.699 | 18.663 | 0.0 | -34.646 | 18.779 | 0.0 | -23.548 | 22.475 | 0.006 | -26.124 | 22.279 | 0.005 | 0.086 | 218.598 | 5.034 | 0.086 | 215.988 | 4.619 | 0.086 | 16.832 | 0.084 | 0.086 | 30.396 | 0.141 |
| 21 | 8972 | 8973 | SN | 1 | -34.699 | 18.663 | 0.0 | -34.871 | 18.779 | 0.0 | -23.548 | 22.475 | 0.006 | -26.124 | 22.262 | 0.005 | 0.086 | 218.598 | 4.848 | 0.086 | 227.389 | 4.19 | 0.086 | 16.832 | 0.083 | 0.086 | 30.396 | 0.141 |
| 22 | 8972 | 8973 | SN | 2 | -34.699 | 18.663 | 0.0 | -34.871 | 18.779 | 0.0 | -23.548 | 22.475 | 0.006 | -26.124 | 22.262 | 0.005 | 0.086 | 218.598 | 4.848 | 0.086 | 227.389 | 4.19 | 0.086 | 16.832 | 0.083 | 0.086 | 30.396 | 0.141 |
| 23 | 8973 | 8974 | NS | 1 | -34.691 | 21.142 | 0.0 | -34.804 | 21.548 | 0.0 | -8.087 | 23.634 | 0.021 | -20.316 | 26.344 | 0.11 | 0.086 | 218.166 | 2.705 | 0.086 | 223.923 | 2.813 | 0.086 | 0.544 | 0.0 | 0.086 | 8.029 | 0.003 |
| 24 | 8973 | 8974 | SN | 1 | -34.575 | 19.174 | 0.0 | -34.778 | 19.418 | 0.0 | -31.953 | 22.082 | 0.004 | -34.312 | 23.385 | 0.048 | 0.086 | 212.41 | 3.315 | 0.086 | 222.607 | 2.842 | 0.086 | 116.185 | 0.202 | 0.086 | 199.979 | 0.333 |
| 25 | 8973 | 8974 | SN | 1 | -34.543 | 19.174 | 0.0 | -34.778 | 19.418 | 0.0 | -31.953 | 22.082 | 0.004 | -34.312 | 23.385 | 0.048 | 0.086 | 210.856 | 3.314 | 0.086 | 222.607 | 2.838 | 0.086 | 116.185 | 0.202 | 0.086 | 199.979 | 0.333 |
| 26 | 8973 | 8974 | NS | 1 | -34.923 | 21.142 | 0.0 | -33.768 | 21.55 | 0.0 | -8.081 | 23.634 | 0.021 | -20.471 | 26.344 | 0.11 | 0.086 | 230.174 | 2.712 | 0.086 | 176.383 | 2.821 | 0.086 | 0.543 | 0.0 | 0.086 | 8.319 | 0.003 |
| 27 | 8974 | 8975 | NS | 2 | -34.226 | 16.768 | 0.0 | -34.604 | 17.104 | 0.0 | -18.168 | 22.073 | 0.004 | -24.436 | 23.247 | 0.086 | 0.087 | 195.995 | 1.907 | 0.087 | 213.903 | 1.749 | 0.086 | 4.921 | 0.007 | 0.086 | 20.631 | 0.047 |
| 28 | 8974 | 8975 | SN | 1 | -34.569 | 17.416 | 0.0 | -33.901 | 18.823 | 0.0 | -15.573 | 22.057 | 0.006 | -20.394 | 23.194 | 0.078 | 0.087 | 212.113 | 0.645 | 0.086 | 181.901 | 0.636 | 0.086 | 2.737 | 0.016 | 0.086 | 8.172 | 0.027 |
| 29 | 8974 | 8975 | SN | 1 | -33.379 | 17.416 | 0.0 | -34.091 | 18.823 | 0.0 | -15.556 | 22.057 | 0.006 | -20.426 | 23.194 | 0.078 | 0.087 | 161.324 | 0.647 | 0.086 | 190.054 | 0.635 | 0.086 | 2.726 | 0.016 | 0.086 | 8.235 | 0.027 |
| 30 | 8974 | 8975 | NS | 1 | -34.226 | 16.768 | 0.0 | -34.604 | 17.104 | 0.0 | -18.18 | 22.073 | 0.004 | -24.436 | 23.247 | 0.086 | 0.087 | 195.995 | 1.907 | 0.087 | 213.903 | 1.749 | 0.086 | 4.936 | 0.007 | 0.086 | 20.631 | 0.047 |
| 31 | 8974 | 8975 | SN | 1 | -33.379 | 17.416 | 0.0 | -34.091 | 18.823 | 0.0 | -15.556 | 22.057 | 0.006 | -20.426 | 23.194 | 0.078 | 0.087 | 161.324 | 0.639 | 0.086 | 190.054 | 0.628 | 0.086 | 2.726 | 0.016 | 0.086 | 8.235 | 0.027 |
| 32 | 8975 | 8976 | NS | 1 | -34.996 | 16.833 | 0.0 | -33.223 | 16.29 | 0.0 | -26.614 | 22.16 | 0.004 | -27.442 | 23.01 | 0.038 | 0.087 | 234.045 | 1.277 | 0.087 | 155.628 | 1.262 | 0.086 | 34.031 | 0.068 | 0.086 | 41.155 | 0.036 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|---------|--------|-------|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 33 | 8975 | 8976 | SN | 1 | -34.85 | 16.883 | 0.0 | -34.96 | 17.622 | 0.0 | 1.328 | 21.943 | 0.0 | 1.202 | 22.5 | 0.048 | 0.087 | 226.379 | 1.978 | 0.087 | 232.173 | 1.591 | 0.086 | 0.131 | 0.0 | 0.086 | 0.133 | 0.0 |
| 34 | 8976 | 8977 | NS | 1 | -34.462 | 13.351 | 0.0 | -33.017 | 15.529 | 0.0 | -24.883 | 22.924 | 0.018 | -12.479 | 23.123 | 0.053 | 0.088 | 207.012 | 1.943 | 0.087 | 148.402 | 1.997 | 0.086 | 22.864 | 0.006 | 0.086 | 1.376 | 0.002 |
| 35 | 8976 | 8977 | SN | 1 | -34.991 | 16.34 | 0.0 | -34.991 | 17.409 | 0.0 | 0.973 | 21.737 | 0.0 | 0.112 | 22.676 | 0.236 | 0.087 | 233.797 | 4.039 | 0.087 | 233.822 | 3.636 | 0.086 | 0.136 | 0.0 | 0.086 | 0.147 | 0.0 |
| 36 | 8976 | 8977 | SN | 1 | -34.991 | 16.34 | 0.0 | -34.926 | 17.409 | 0.0 | 0.973 | 21.737 | 0.0 | 0.463 | 22.676 | 0.251 | 0.087 | 233.797 | 4.124 | 0.087 | 230.29 | 3.708 | 0.086 | 0.136 | 0.0 | 0.086 | 0.142 | 0.0 |
| 37 | 8977 | 8978 | SN | 1 | -34.6 | 15.948 | 0.0 | -34.912 | 16.021 | 0.0 | 0.345 | 21.644 | 0.0 | 0.384 | 22.311 | 0.034 | 0.087 | 213.649 | 4.599 | 0.087 | 229.615 | 3.998 | 0.086 | 0.144 | 0.0 | 0.086 | 0.143 | 0.0 |
| 38 | 8977 | 8978 | NS | 1 | -34.181 | 17.877 | 0.0 | -33.939 | 15.526 | 0.0 | -17.892 | 22.161 | 0.004 | -16.112 | 23.326 | 0.058 | 0.086 | 193.979 | 2.224 | 0.087 | 183.501 | 2.036 | 0.086 | 4.623 | 0.006 | 0.086 | 3.09 | 0.005 |
| 39 | 8977 | 8978 | SN | 1 | -34.6 | 15.948 | 0.0 | -34.912 | 16.021 | 0.0 | 0.345 | 21.644 | 0.0 | 0.384 | 22.311 | 0.034 | 0.087 | 213.649 | 4.613 | 0.087 | 229.615 | 4.013 | 0.086 | 0.144 | 0.0 | 0.086 | 0.143 | 0.0 |
| 40 | 8978 | 8979 | NS | 1 | -34.966 | 19.517 | 0.0 | -34.889 | 19.237 | 0.0 | -21.271 | 22.337 | 0.018 | -25.253 | 23.072 | 0.165 | 0.086 | 232.461 | 4.728 | 0.086 | 228.406 | 4.499 | 0.086 | 9.989 | 0.062 | 0.086 | 24.889 | 0.016 |
| 41 | 8978 | 8979 | SN | 1 | -34.807 | 17.447 | 0.0 | -34.965 | 16.966 | 0.0 | -1.868 | 22.653 | 0.088 | -1.223 | 23.12 | 0.291 | 0.087 | 224.08 | 3.952 | 0.087 | 232.394 | 3.737 | 0.086 | 0.187 | 0.0 | 0.086 | 0.172 | 0.0 |
| 42 | 8978 | 8979 | SN | 1 | -34.912 | 17.447 | 0.0 | -34.965 | 16.966 | 0.0 | -1.868 | 22.653 | 0.087 | -1.223 | 23.12 | 0.291 | 0.087 | 229.555 | 3.858 | 0.087 | 232.394 | 3.609 | 0.086 | 0.187 | 0.0 | 0.086 | 0.172 | 0.0 |
| 43 | 8979 | 8980 | SN | 1 | -32.589 | 19.612 | 0.0 | -34.031 | 19.271 | 0.0 | -10.044 | 23.903 | 0.15 | -16.152 | 25.223 | 0.785 | 0.086 | 134.464 | 1.447 | 0.086 | 187.404 | 1.424 | 0.086 | 0.814 | 0.0 | 0.086 | 3.118 | 0.003 |
| 44 | 8979 | 8980 | SN | 1 | -32.589 | 19.612 | 0.0 | -34.031 | 19.271 | 0.0 | -10.032 | 23.903 | 0.161 | -16.152 | 25.223 | 0.787 | 0.086 | 134.464 | 1.56 | 0.086 | 187.404 | 1.665 | 0.086 | 0.812 | 0.0 | 0.086 | 3.118 | 0.003 |
| 45 | 8979 | 8980 | NS | 1 | -34.903 | 18.722 | 0.0 | -34.724 | 21.268 | 0.0 | 1.83 | 22.542 | 0.027 | 1.472 | 23.47 | 0.331 | 0.086 | 229.071 | 4.197 | 0.086 | 219.862 | 4.353 | 0.086 | 0.126 | 0.0 | 0.086 | 0.13 | 0.0 |
| 46 | 8980 | 8981 | NS | 1 | -34.724 | 22.39 | 0.005 | -34.032 | 17.91 | 0.0 | -2.781 | 22.368 | 0.039 | -6.983 | 23.527 | 0.768 | 0.086 | 219.796 | 2.808 | 0.086 | 187.503 | 2.553 | 0.086 | 0.212 | 0.0 | 0.086 | 0.437 | 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 |