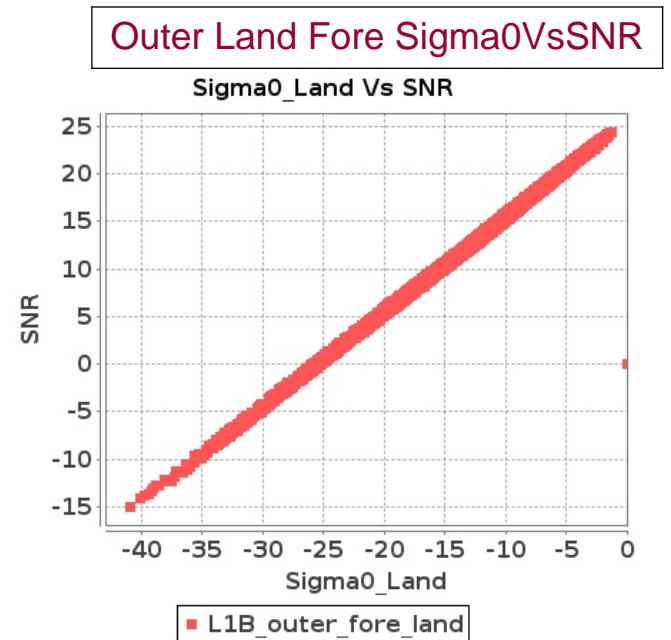
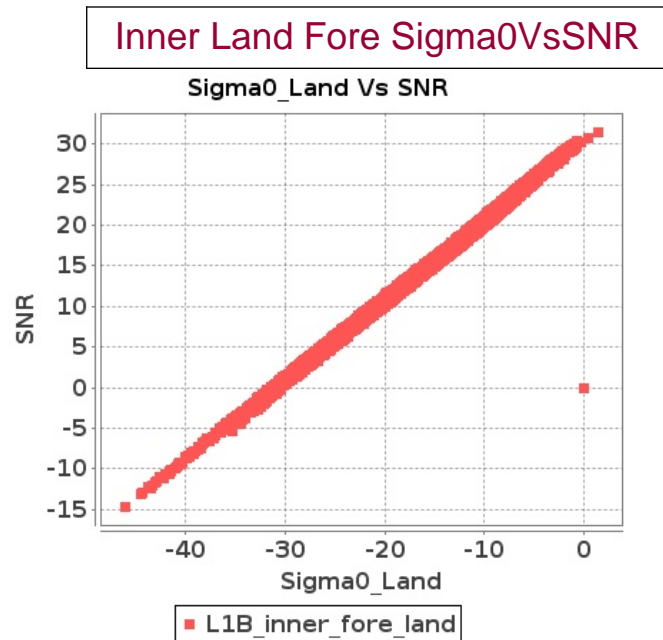
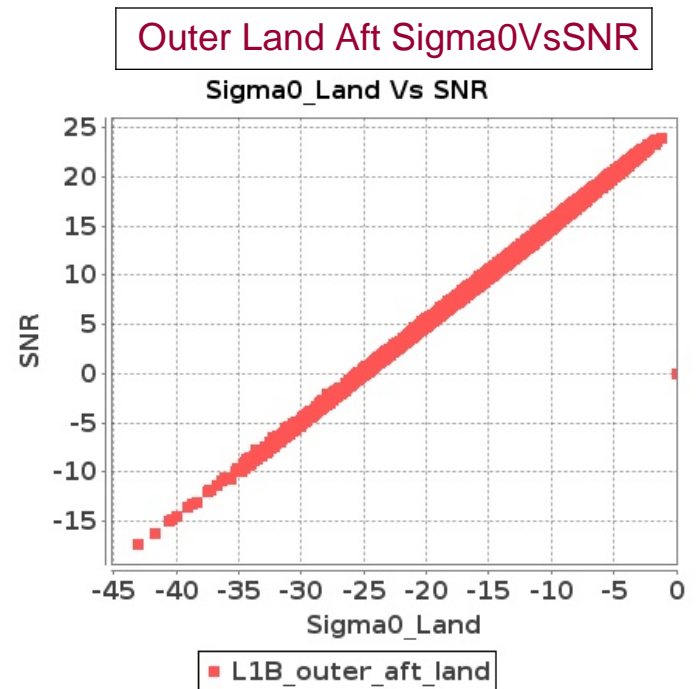
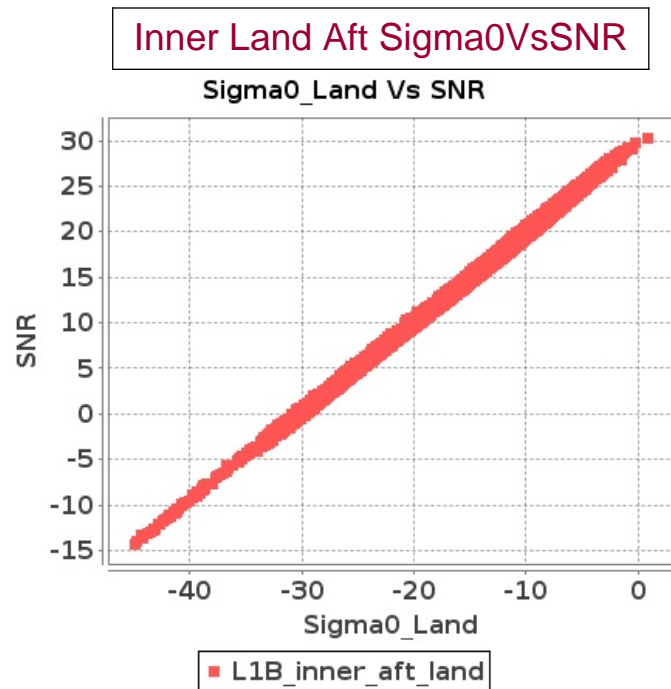
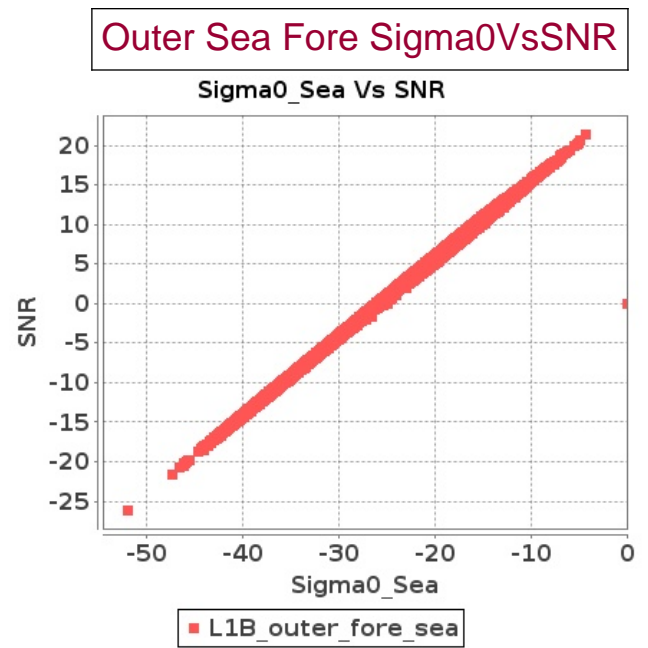
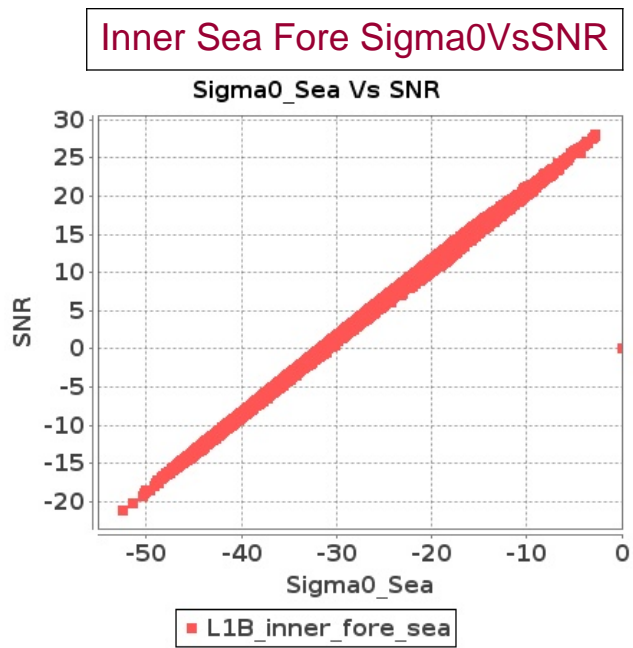
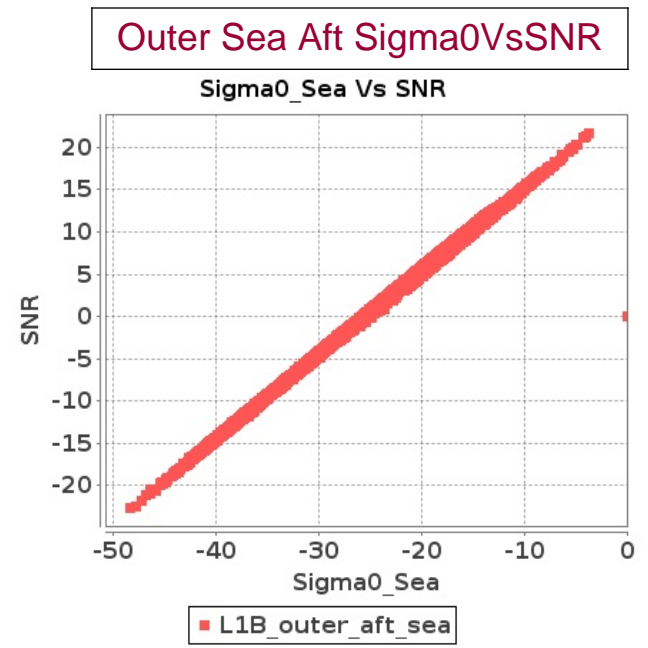
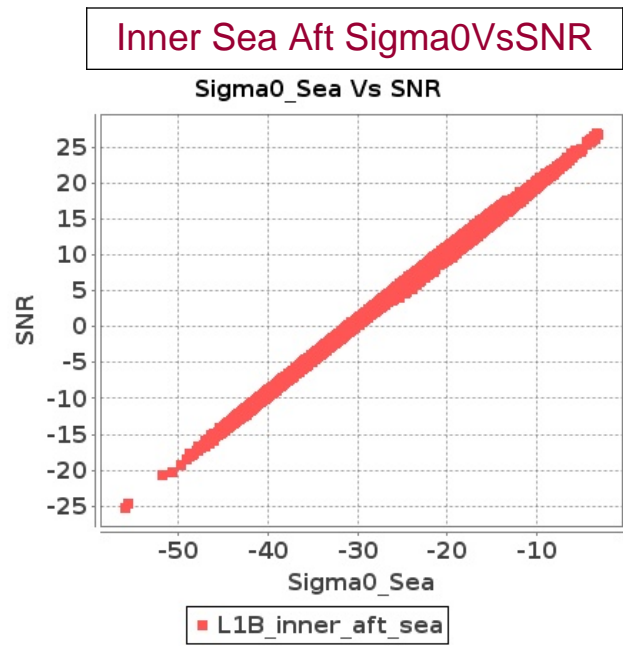
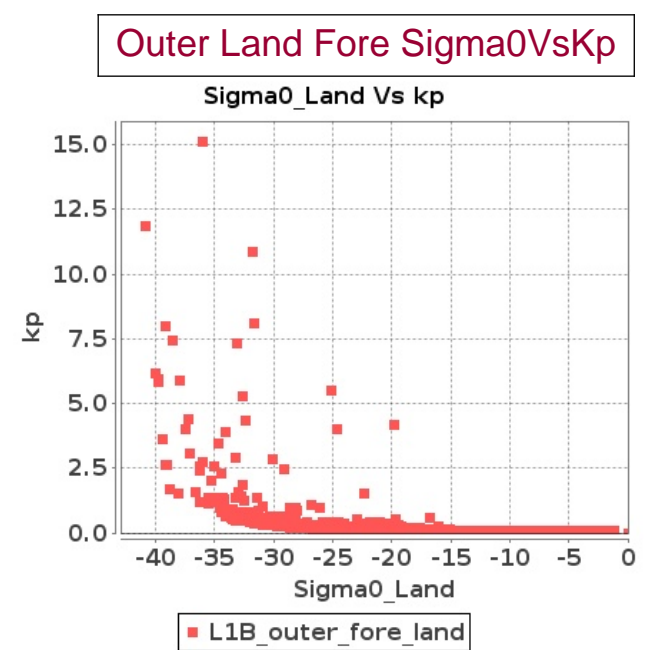
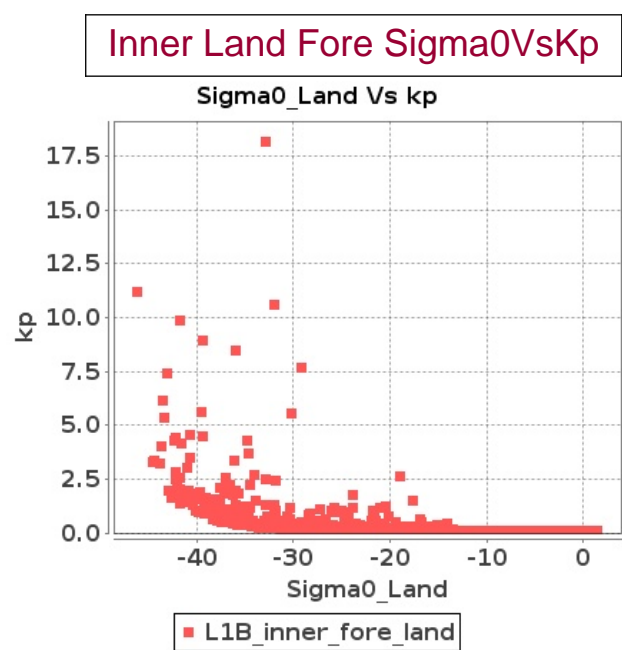
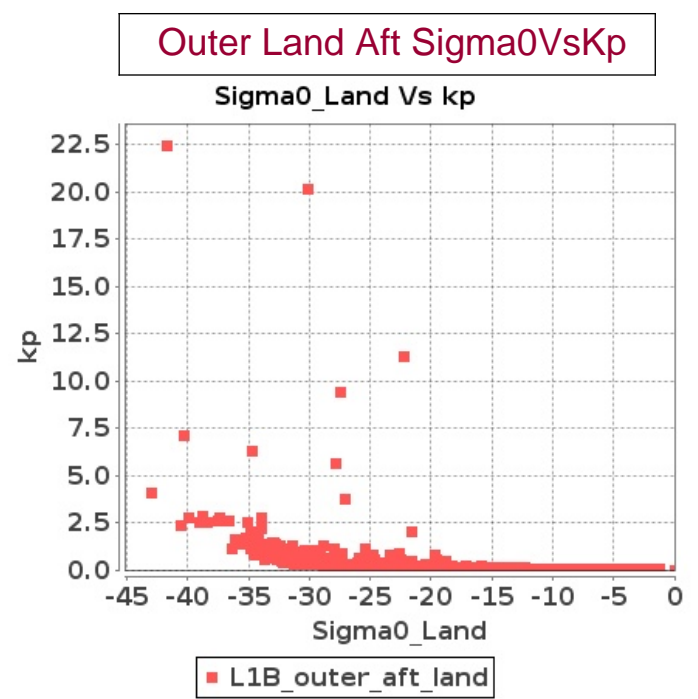
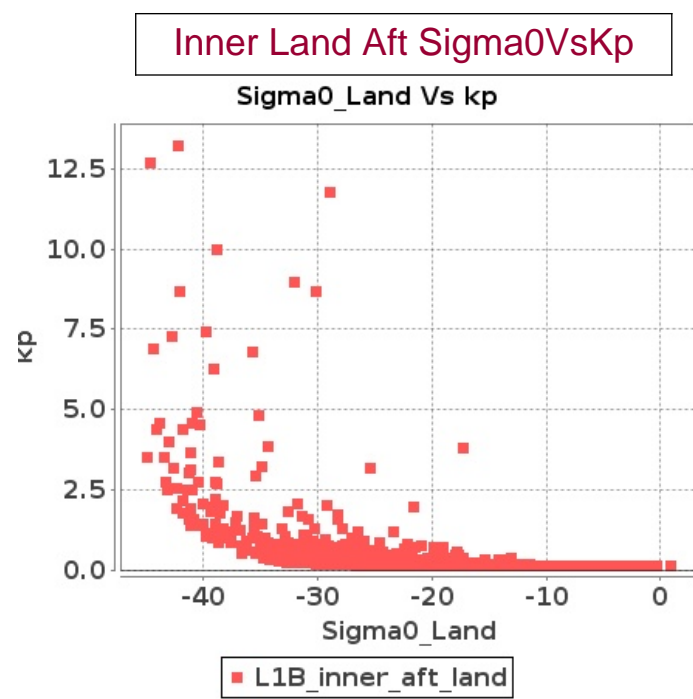
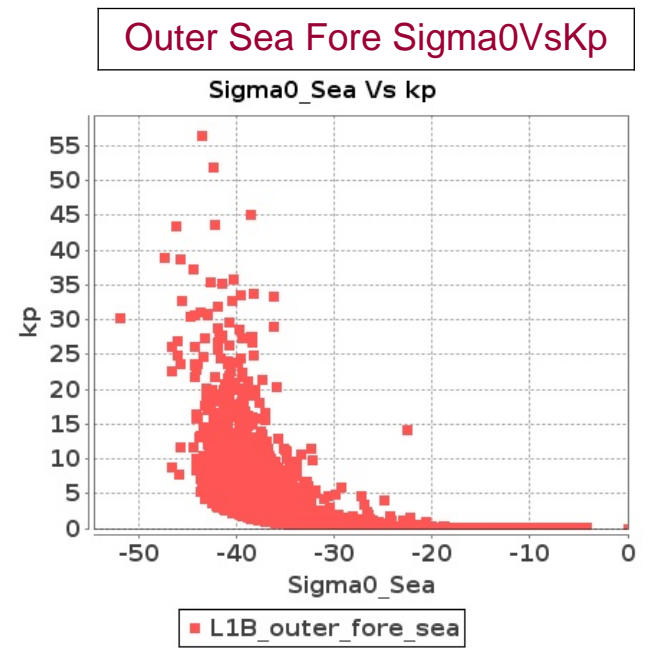
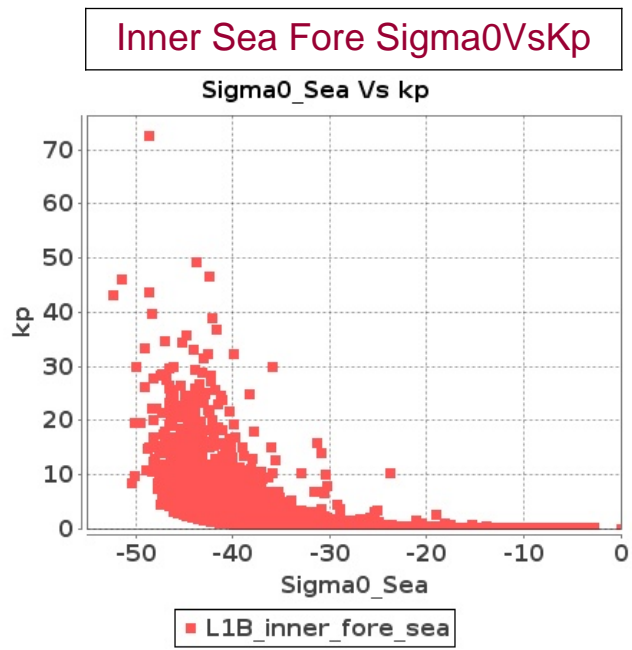
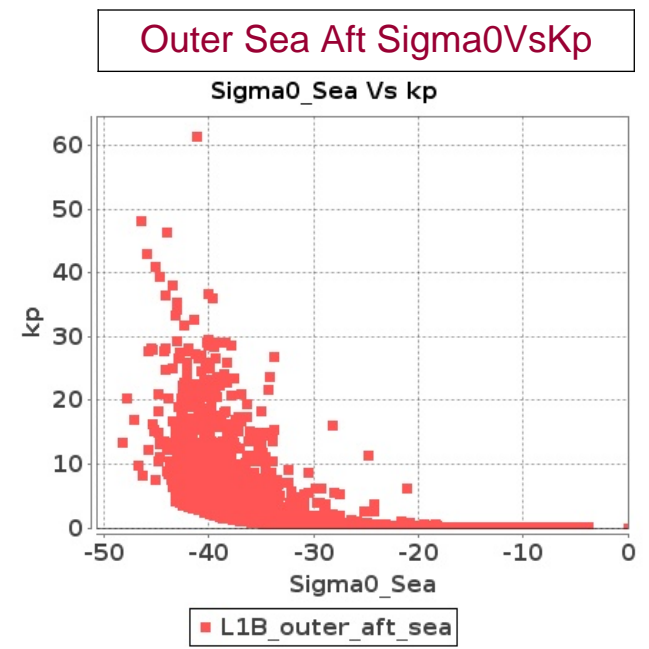
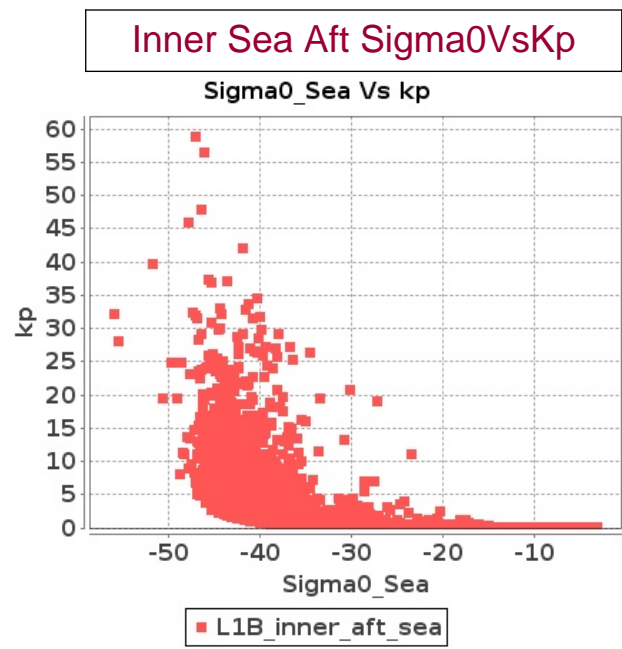


# SCATSAT-1 Scatterometer Level-1B Data Quality Cycle wise Report

Report between 22-APR-2018 To 23-APR-2018





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

Report between 22-APR-2018 To 23-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     | 8305        | 8306      | SN   | 2    | 48.737          | 49.372 | 0.0       | 0.0           | 215.603 | 2.781     | 1039.112 | 1075.576 | 0.0       | -91.506  | -89.914 | 0.0       |
| 2     | 8305        | 8306      | SN   | 1    | 48.737          | 49.372 | 0.0       | 0.003         | 215.603 | 1.998     | 1039.112 | 1074.952 | 0.0       | -91.506  | -89.914 | 0.0       |
| 3     | 8305        | 8306      | SN   | 1    | 48.737          | 49.372 | 0.0       | 0.0           | 215.603 | 2.781     | 1039.112 | 1075.576 | 0.0       | -91.506  | -89.914 | 0.0       |
| 4     | 8306        | 8307      | SN   | 1    | 48.724          | 49.332 | 0.0       | 0.003         | 5.874   | 2.419     | 1038.128 | 1075.456 | 0.0       | -91.557  | -89.92  | 0.0       |
| 5     | 8306        | 8307      | NS   | 1    | 48.786          | 49.389 | 0.0       | 0.003         | 264.091 | 2.587     | 1035.512 | 1075.888 | 0.0       | -91.644  | -89.878 | 0.0       |
| 6     | 8306        | 8307      | SN   | 1    | 48.724          | 49.332 | 0.0       | 0.003         | 6.171   | 2.618     | 1038.128 | 1075.576 | 0.0       | -91.557  | -89.92  | 0.0       |
| 7     | 8307        | 8308      | SN   | 1    | 48.746          | 49.323 | 0.0       | 0.003         | 6.182   | 2.522     | 1038.904 | 1075.48  | 0.0       | -91.54   | -89.921 | 0.0       |
| 8     | 8307        | 8308      | NS   | 1    | 48.791          | 49.463 | 0.0       | 0.0           | 267.566 | 2.678     | 1036.4   | 1075.864 | 0.0       | -93.932  | -89.896 | 0.0       |
| 9     | 8308        | 8309      | SN   | 1    | 48.727          | 49.32  | 0.0       | 0.003         | 280.945 | 2.555     | 1038.28  | 1075.456 | 0.0       | -91.587  | -89.919 | 0.0       |
| 10    | 8308        | 8309      | NS   | 1    | 49.053          | 49.286 | 0.0       | 0.643         | 6.171   | 14.229    | 1071.52  | 1075.544 | 0.0       | -91.188  | -90.241 | 0.0       |
| 11    | 8309        | 8310      | SN   | 1    | 48.729          | 49.338 | 0.0       | 0.003         | 214.655 | 2.525     | 1037.888 | 1075.472 | 0.0       | -91.559  | -89.92  | 0.0       |
| 12    | 8309        | 8310      | SN   | 1    | 48.729          | 49.338 | 0.0       | 0.003         | 214.655 | 2.527     | 1037.92  | 1075.472 | 0.0       | -91.602  | -89.92  | 0.0       |
| 13    | 8309        | 8310      | NS   | 1    | 48.754          | 49.413 | 0.0       | 0.003         | 210.778 | 2.633     | 1036.008 | 1075.776 | 0.0       | -91.542  | -89.862 | 0.0       |
| 14    | 8310        | 8311      | NS   | 1    | 48.773          | 49.435 | 0.0       | 0.0           | 210.794 | 2.794     | 1035.16  | 1075.768 | 0.0       | -92.456  | -89.896 | 0.0       |
| 15    | 8310        | 8311      | SN   | 1    | 48.764          | 49.378 | 0.0       | 0.003         | 281.629 | 2.496     | 1038.792 | 1075.488 | 0.0       | -91.569  | -89.92  | 0.0       |
| 16    | 8310        | 8311      | NS   | 2    | 48.774          | 49.393 | 0.0       | 0.0           | 211.087 | 2.795     | 1035.168 | 1075.768 | 0.0       | -92.456  | -89.896 | 0.0       |
| 17    | 8310        | 8311      | SN   | 1    | 48.764          | 49.378 | 0.0       | 0.003         | 281.629 | 2.557     | 1038.848 | 1075.512 | 0.0       | -91.68   | -89.92  | 0.0       |
| 18    | 8311        | 8312      | SN   | 1    | 48.73           | 49.352 | 0.0       | 0.003         | 6.16    | 2.636     | 1038.936 | 1075.464 | 0.0       | -91.608  | -89.906 | 0.0       |
| 19    | 8311        | 8312      | SN   | 1    | 48.73           | 49.352 | 0.0       | 0.003         | 5.862   | 1.759     | 1038.936 | 1074.584 | 0.0       | -91.608  | -89.906 | 0.0       |
| 20    | 8311        | 8312      | NS   | 1    | 48.753          | 49.428 | 0.0       | 0.003         | 266.932 | 2.59      | 1036.048 | 1075.568 | 0.0       | -91.727  | -89.894 | 0.0       |
| 21    | 8312        | 8313      | NS   | 1    | 48.755          | 49.431 | 0.0       | 0.003         | 17.753  | 2.655     | 1035.856 | 1075.656 | 0.0       | -91.701  | -89.882 | 0.0       |
| 22    | 8312        | 8313      | SN   | 1    | 48.73           | 49.37  | 0.0       | 0.003         | 6.155   | 2.677     | 1038.76  | 1075.512 | 0.0       | -91.49   | -89.91  | 0.0       |
| 23    | 8313        | 8314      | NS   | 1    | 48.755          | 49.387 | 0.0       | 0.003         | 206.448 | 2.675     | 1035.872 | 1075.824 | 0.0       | -91.589  | -89.833 | 0.0       |
| 24    | 8313        | 8314      | NS   | 1    | 48.752          | 49.386 | 0.0       | 0.003         | 206.448 | 2.676     | 1035.872 | 1075.808 | 0.0       | -91.589  | -89.833 | 0.0       |
| 25    | 8313        | 8314      | SN   | 1    | 48.782          | 49.382 | 0.0       | 0.003         | 6.177   | 2.574     | 1038.736 | 1075.712 | 0.0       | -91.534  | -89.911 | 0.0       |
| 26    | 8314        | 8315      | SN   | 1    | 48.715          | 49.418 | 0.0       | 0.003         | 215.311 | 2.558     | 1039.176 | 1078.08  | 0.0       | -93.282  | -89.929 | 0.0       |
| 27    | 8314        | 8315      | NS   | 1    | 48.805          | 49.386 | 0.0       | 0.0           | 47.826  | 2.821     | 1034.776 | 1076.008 | 0.0       | -91.822  | -89.89  | 0.0       |
| 28    | 8314        | 8315      | NS   | 1    | 48.805          | 49.386 | 0.0       | 0.0           | 47.826  | 2.82      | 1035.376 | 1076.0   | 0.0       | -91.557  | -89.89  | 0.0       |
| 29    | 8315        | 8316      | NS   | 1    | 48.741          | 49.387 | 0.0       | 0.003         | 207.215 | 2.703     | 1035.712 | 1076.864 | 0.0       | -91.578  | -89.889 | 0.0       |
| 30    | 8320        | 8321      | NS   | 1    | 48.776          | 49.384 | 0.0       | 0.003         | 15.277  | 2.708     | 1034.632 | 1075.664 | 0.0       | -91.358  | -89.877 | 0.0       |
| 31    | 8320        | 8321      | SN   | 1    | 48.784          | 49.343 | 0.0       | 0.003         | 215.736 | 2.753     | 1039.648 | 1075.496 | 0.0       | -91.462  | -89.873 | 0.0       |
| 32    | 8320        | 8321      | SN   | 2    | 48.784          | 49.343 | 0.0       | 0.003         | 215.736 | 2.753     | 1039.648 | 1075.496 | 0.0       | -91.462  | -89.873 | 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 | 8320 | 8321 | SN | 1 | 48.784 | 49.343 | 0.0 | 0.003 | 215.736 | 2.421 | 1039.648 | 1075.28  | 0.0 | -91.462 | -89.873 | 0.0 |
| 34 | 8320 | 8321 | NS | 1 | 48.776 | 49.384 | 0.0 | 0.003 | 15.277  | 2.71  | 1034.736 | 1075.664 | 0.0 | -91.502 | -89.877 | 0.0 |
| 35 | 8321 | 8322 | NS | 1 | 48.8   | 49.385 | 0.0 | 0.003 | 21.205  | 2.577 | 1034.464 | 1075.736 | 0.0 | -91.428 | -89.886 | 0.0 |
| 36 | 8321 | 8322 | SN | 1 | 48.74  | 49.361 | 0.0 | 0.003 | 29.745  | 2.553 | 1040.032 | 1075.416 | 0.0 | -91.592 | -89.93  | 0.0 |
| 37 | 8321 | 8322 | SN | 1 | 48.74  | 49.361 | 0.0 | 0.003 | 280.559 | 2.4   | 1040.032 | 1075.344 | 0.0 | -91.592 | -89.93  | 0.0 |
| 38 | 8321 | 8322 | SN | 2 | 48.74  | 49.361 | 0.0 | 0.003 | 29.745  | 2.397 | 1040.032 | 1075.336 | 0.0 | -91.592 | -89.93  | 0.0 |
| 39 | 8321 | 8322 | NS | 1 | 48.786 | 49.385 | 0.0 | 0.003 | 21.205  | 2.579 | 1035.264 | 1075.736 | 0.0 | -91.393 | -89.886 | 0.0 |
| 40 | 8322 | 8323 | SN | 1 | 48.76  | 49.328 | 0.0 | 0.003 | 282.054 | 2.329 | 1039.736 | 1075.272 | 0.0 | -91.567 | -89.929 | 0.0 |
| 41 | 8322 | 8323 | NS | 1 | 48.78  | 49.384 | 0.0 | 0.003 | 42.766  | 2.585 | 1034.432 | 1075.528 | 0.0 | -91.554 | -89.886 | 0.0 |
| 42 | 8322 | 8323 | SN | 1 | 48.76  | 49.328 | 0.0 | 0.003 | 282.054 | 2.516 | 1039.736 | 1075.352 | 0.0 | -91.567 | -89.929 | 0.0 |
| 43 | 8322 | 8323 | NS | 1 | 48.795 | 49.384 | 0.0 | 0.003 | 42.766  | 2.587 | 1034.944 | 1075.528 | 0.0 | -91.52  | -89.886 | 0.0 |
| 44 | 8322 | 8323 | SN | 2 | 48.76  | 49.328 | 0.0 | 0.003 | 282.054 | 2.516 | 1039.736 | 1075.36  | 0.0 | -91.567 | -89.929 | 0.0 |
| 45 | 8323 | 8324 | SN | 1 | 48.723 | 49.345 | 0.0 | 0.003 | 215.852 | 2.555 | 1039.168 | 1075.296 | 0.0 | -91.589 | -89.929 | 0.0 |
| 46 | 8323 | 8324 | SN | 1 | 48.723 | 49.345 | 0.0 | 0.003 | 215.852 | 2.271 | 1039.168 | 1075.144 | 0.0 | -91.589 | -89.929 | 0.0 |
| 47 | 8323 | 8324 | NS | 2 | 48.77  | 49.384 | 0.0 | 0.0   | 42.496  | 2.788 | 1034.768 | 1075.568 | 0.0 | -91.559 | -89.883 | 0.0 |
| 48 | 8323 | 8324 | NS | 1 | 48.771 | 49.383 | 0.0 | 0.0   | 42.496  | 2.786 | 1034.768 | 1075.56  | 0.0 | -91.559 | -89.883 | 0.0 |
| 49 | 8323 | 8324 | SN | 1 | 48.723 | 49.345 | 0.0 | 0.003 | 215.852 | 2.553 | 1039.168 | 1075.296 | 0.0 | -91.589 | -89.929 | 0.0 |
| 50 | 8324 | 8325 | SN | 1 | 48.756 | 49.331 | 0.0 | 0.003 | 28.088  | 2.528 | 1039.032 | 1075.352 | 0.0 | -91.504 | -89.928 | 0.0 |
| 51 | 8324 | 8325 | SN | 1 | 48.756 | 49.331 | 0.0 | 0.003 | 28.088  | 2.526 | 1039.104 | 1075.352 | 0.0 | -91.504 | -89.928 | 0.0 |
| 52 | 8324 | 8325 | SN | 1 | 48.756 | 49.331 | 0.0 | 0.003 | 28.088  | 2.079 | 1039.032 | 1075.096 | 0.0 | -91.504 | -89.928 | 0.0 |
| 53 | 8324 | 8325 | NS | 1 | 48.747 | 49.39  | 0.0 | 0.003 | 210.75  | 2.643 | 1035.272 | 1075.432 | 0.0 | -91.605 | -89.862 | 0.0 |
| 54 | 8325 | 8326 | NS | 1 | 48.754 | 49.409 | 0.0 | 0.0   | 209.101 | 2.709 | 1034.192 | 1075.56  | 0.0 | -91.65  | -89.883 | 0.0 |
| 55 | 8325 | 8326 | NS | 1 | 48.754 | 49.408 | 0.0 | 0.0   | 206.156 | 2.724 | 1034.184 | 1075.568 | 0.0 | -91.65  | -89.883 | 0.0 |
| 56 | 8325 | 8326 | SN | 1 | 48.764 | 49.36  | 0.0 | 0.003 | 280.438 | 1.877 | 1039.328 | 1074.808 | 0.0 | -91.6   | -89.93  | 0.0 |
| 57 | 8325 | 8326 | SN | 1 | 48.764 | 49.36  | 0.0 | 0.003 | 280.438 | 2.614 | 1039.328 | 1075.352 | 0.0 | -91.6   | -89.93  | 0.0 |
| 58 | 8325 | 8326 | SN | 2 | 48.784 | 49.359 | 0.0 | 0.003 | 215.267 | 2.614 | 1039.328 | 1075.352 | 0.0 | -91.6   | -89.93  | 0.0 |
| 59 | 8326 | 8327 | NS | 1 | 48.78  | 49.401 | 0.0 | 0.0   | 41.757  | 2.739 | 1034.904 | 1075.48  | 0.0 | -92.158 | -89.88  | 0.0 |
| 60 | 8326 | 8327 | SN | 2 | 48.75  | 49.379 | 0.0 | 0.003 | 6.155   | 2.665 | 1040.448 | 1076.544 | 0.0 | -92.629 | -89.896 | 0.0 |
| 61 | 8326 | 8327 | SN | 1 | 48.75  | 49.379 | 0.0 | 0.003 | 5.862   | 1.636 | 1040.448 | 1074.4   | 0.0 | -91.536 | -89.896 | 0.0 |
| 62 | 8326 | 8327 | NS | 1 | 48.78  | 49.401 | 0.0 | 0.0   | 207.425 | 2.753 | 1034.904 | 1075.48  | 0.0 | -92.158 | -89.881 | 0.0 |
| 63 | 8326 | 8327 | SN | 1 | 48.75  | 49.379 | 0.0 | 0.003 | 6.155   | 2.665 | 1040.448 | 1076.544 | 0.0 | -92.629 | -89.896 | 0.0 |
| 64 | 8327 | 8328 | NS | 1 | 48.79  | 49.383 | 0.0 | 0.0   | 206.426 | 2.769 | 1034.832 | 1075.448 | 0.0 | -91.668 | -89.876 | 0.0 |
| 65 | 8327 | 8328 | NS | 1 | 48.752 | 49.386 | 0.0 | 0.0   | 42.672  | 2.766 | 1034.832 | 1075.448 | 0.0 | -91.606 | -89.876 | 0.0 |
| 66 | 8327 | 8328 | SN | 1 | 48.774 | 49.392 | 0.0 | 0.003 | 215.256 | 2.609 | 1040.408 | 1075.464 | 0.0 | -91.558 | -89.919 | 0.0 |
| 67 | 8327 | 8328 | SN | 2 | 48.774 | 49.391 | 0.0 | 0.003 | 215.256 | 2.611 | 1040.408 | 1075.464 | 0.0 | -91.558 | -89.919 | 0.0 |
| 68 | 8327 | 8328 | SN | 1 | 48.774 | 49.392 | 0.0 | 0.003 | 215.256 | 1.521 | 1040.408 | 1073.728 | 0.0 | -91.558 | -89.919 | 0.0 |
| 69 | 8328 | 8329 | SN | 1 | 48.761 | 49.337 | 0.0 | 0.0   | 43.684  | 2.534 | 1040.784 | 1075.616 | 0.0 | -91.727 | -89.937 | 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 |

|    |      |      |    |   |        |        |     |       |         |       |          |          |     |         |         |     |
|----|------|------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|-----|---------|---------|-----|
| 70 | 8328 | 8329 | NS | 1 | 48.744 | 49.383 | 0.0 | 0.003 | 16.071  | 2.733 | 1034.448 | 1075.72  | 0.0 | -91.613 | -89.862 | 0.0 |
| 71 | 8328 | 8329 | NS | 1 | 48.765 | 49.383 | 0.0 | 0.003 | 16.071  | 2.73  | 1033.92  | 1075.72  | 0.0 | -91.613 | -89.862 | 0.0 |
| 72 | 8329 | 8330 | NS | 1 | 48.773 | 49.382 | 0.0 | 0.003 | 267.599 | 2.752 | 1034.768 | 1075.856 | 0.0 | -91.481 | -89.879 | 0.0 |
| 73 | 8329 | 8330 | NS | 1 | 48.752 | 49.382 | 0.0 | 0.003 | 267.599 | 2.737 | 1034.768 | 1075.856 | 0.0 | -91.489 | -89.879 | 0.0 |
| 74 | 8329 | 8330 | SN | 1 | 48.788 | 49.362 | 0.0 | 0.003 | 282.004 | 2.571 | 1039.704 | 1075.544 | 0.0 | -91.681 | -89.937 | 0.0 |
| 75 | 8330 | 8331 | NS | 1 | 48.737 | 49.382 | 0.0 | 0.003 | 41.95   | 2.543 | 1034.048 | 1075.56  | 0.0 | -92.174 | -89.878 | 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    | 8305        | 8306      | SN   | 2    | -34.789 | 25.527 | 2.036      | -33.245  | 26.087 | 2.884      | -30.42   | 29.418   | 15.446     | -29.326   | 30.572 | 22.692     | 0.116   | 291.918 | 1.951      | 0.116    | 204.627 | 1.159      | 0.116    | 106.814  | 0.144      | 0.116     | 83.069  | 0.165      |
| 2    | 8305        | 8306      | SN   | 1    | -34.789 | 25.527 | 1.375      | -33.245  | 26.087 | 3.089      | -30.42   | 29.418   | 15.317     | -29.326   | 30.572 | 22.688     | 0.116   | 291.918 | 2.055      | 0.116    | 204.627 | 1.294      | 0.116    | 106.814  | 0.145      | 0.116     | 83.069  | 0.165      |
| 3    | 8305        | 8306      | SN   | 1    | -34.789 | 25.527 | 2.036      | -33.245  | 26.087 | 2.887      | -30.42   | 29.418   | 15.446     | -29.326   | 30.572 | 22.692     | 0.116   | 291.918 | 1.951      | 0.116    | 204.627 | 1.159      | 0.116    | 106.814  | 0.144      | 0.116     | 83.069  | 0.165      |
| 4    | 8306        | 8307      | SN   | 1    | -34.648 | 25.795 | 1.863      | -33.07   | 26.564 | 2.596      | -21.978  | 33.316   | 12.665     | -22.891   | 30.454 | 9.236      | 0.116   | 282.634 | 4.217      | 0.116    | 196.587 | 3.609      | 0.116    | 15.371   | 0.045      | 0.116     | 18.942  | 0.064      |
| 5    | 8306        | 8307      | NS   | 1    | -34.372 | 27.976 | 0.117      | -34.813  | 29.8   | 0.038      | 4.138    | 32.498   | 16.778     | 4.425     | 35.543 | 33.749     | 0.116   | 265.257 | 3.603      | 0.116    | 293.575 | 3.67       | 0.116    | 0.146    | 0.0        | 0.116     | 0.144   | 0.0        |
| 6    | 8306        | 8307      | SN   | 1    | -34.648 | 25.795 | 1.848      | -33.07   | 26.564 | 2.523      | -21.978  | 33.316   | 12.664     | -22.891   | 30.454 | 9.234      | 0.116   | 282.634 | 4.089      | 0.116    | 196.587 | 3.506      | 0.116    | 15.371   | 0.045      | 0.116     | 18.942  | 0.064      |
| 7    | 8307        | 8308      | SN   | 1    | -34.988 | 26.48  | 0.143      | -34.417  | 25.77  | 0.284      | 6.17     | 28.731   | 15.821     | 6.026     | 30.874 | 12.568     | 0.116   | 305.648 | 2.705      | 0.116    | 268.034 | 2.255      | 0.116    | 0.135    | 0.0        | 0.116     | 0.135   | 0.0        |
| 8    | 8307        | 8308      | NS   | 1    | -34.52  | 26.23  | 0.017      | -34.263  | 25.609 | 0.017      | -1.114   | 29.754   | 11.883     | -9.334    | 30.51  | 21.611     | 0.116   | 274.399 | 3.157      | 0.116    | 258.676 | 2.879      | 0.116    | 0.227    | 0.0        | 0.116     | 0.923   | 0.0        |
| 9    | 8308        | 8309      | SN   | 1    | -34.662 | 25.046 | 0.144      | -34.472  | 25.908 | 0.259      | 6.595    | 28.505   | 18.278     | 7.967     | 28.799 | 13.319     | 0.116   | 283.599 | 1.605      | 0.116    | 271.363 | 1.447      | 0.116    | 0.133    | 0.0        | 0.116     | 0.128   | 0.0        |
| 10   | 8308        | 8309      | NS   | 1    | 9.684   | 19.718 | 0.0        | 7.189    | 22.0   | 0.219      | 100000.0 | -10000.0 | 0.0        | 14.292    | 18.216 | 0.0        | 0.116   | 0.124   | 0.0        | 0.116    | 0.13    | 0.0        | 100000.0 | -10000.0 | 0.0        | 0.117     | 0.118   | 0.0        |
| 11   | 8309        | 8310      | SN   | 1    | -34.815 | 25.015 | 0.308      | -34.874  | 25.728 | 0.396      | 6.827    | 28.932   | 20.669     | 8.268     | 29.947 | 21.379     | 0.116   | 293.721 | 3.324      | 0.116    | 297.753 | 2.638      | 0.116    | 0.132    | 0.0        | 0.116     | 0.127   | 0.0        |
| 12   | 8309        | 8310      | SN   | 1    | -34.713 | 25.015 | 0.308      | -34.988  | 25.728 | 0.396      | 6.827    | 28.932   | 20.669     | 8.268     | 29.947 | 21.379     | 0.116   | 286.874 | 3.338      | 0.116    | 305.648 | 2.642      | 0.116    | 0.132    | 0.0        | 0.116     | 0.127   | 0.0        |
| 13   | 8309        | 8310      | NS   | 1    | -34.888 | 21.569 | 0.0        | -34.374  | 21.872 | 0.0        | -7.998   | 29.319   | 7.649      | -4.792    | 33.382 | 15.05      | 0.116   | 298.684 | 2.104      | 0.116    | 265.369 | 2.09       | 0.116    | 0.704    | 0.0        | 0.116     | 0.388   | 0.0        |
| 14   | 8310        | 8311      | NS   | 1    | -34.945 | 22.388 | 0.001      | -34.315  | 22.528 | 0.003      | -3.51    | 28.925   | 8.485      | -6.022    | 30.578 | 13.904     | 0.116   | 302.672 | 4.625      | 0.116    | 261.769 | 3.733      | 0.116    | 0.315    | 0.0        | 0.116     | 0.482   | 0.0        |
| 15   | 8310        | 8311      | SN   | 1    | -34.83  | 23.106 | 0.001      | -34.934  | 23.376 | 0.005      | 6.883    | 27.975   | 17.916     | 8.24      | 29.344 | 22.449     | 0.116   | 294.73  | 1.892      | 0.116    | 301.861 | 1.8        | 0.116    | 0.132    | 0.0        | 0.116     | 0.127   | 0.0        |
| 16   | 8310        | 8311      | NS   | 2    | -34.781 | 22.388 | 0.001      | -34.442  | 22.526 | 0.003      | -3.51    | 28.925   | 8.487      | -6.022    | 30.578 | 13.901     | 0.116   | 291.466 | 4.626      | 0.116    | 269.54  | 3.732      | 0.116    | 0.315    | 0.0        | 0.116     | 0.482   | 0.0        |
| 17   | 8310        | 8311      | SN   | 1    | -34.676 | 23.106 | 0.001      | -34.948  | 23.376 | 0.005      | 6.883    | 27.975   | 17.9       | 8.24      | 29.344 | 22.449     | 0.116   | 284.501 | 1.882      | 0.116    | 318.451 | 1.787      | 0.116    | 0.132    | 0.0        | 0.116     | 0.127   | 0.0        |
| 18   | 8311        | 8312      | SN   | 1    | -33.472 | 21.51  | 0.0        | -33.492  | 22.628 | 0.001      | -4.987   | 28.293   | 14.18      | -0.035    | 28.744 | 15.993     | 0.116   | 215.636 | 2.812      | 0.116    | 216.664 | 2.465      | 0.116    | 0.401    | 0.0        | 0.116     | 0.201   | 0.0        |
| 19   | 8311        | 8312      | SN   | 1    | -33.472 | 21.51  | 0.0        | -33.492  | 21.841 | 0.0        | -4.987   | 28.293   | 15.04      | -0.035    | 28.744 | 16.006     | 0.116   | 215.636 | 2.964      | 0.116    | 216.664 | 2.617      | 0.116    | 0.401    | 0.0        | 0.116     | 0.201   | 0.0        |
| 20   | 8311        | 8312      | NS   | 1    | -34.612 | 26.018 | 0.601      | -34.298  | 26.72  | 0.889      | -7.609   | 29.792   | 11.787     | -8.117    | 30.476 | 16.713     | 0.116   | 280.358 | 1.959      | 0.116    | 260.829 | 1.939      | 0.116    | 0.652    | 0.0        | 0.116     | 0.721   | 0.0        |
| 21   | 8312        | 8313      | NS   | 1    | -34.724 | 25.914 | 0.764      | -34.24   | 27.543 | 0.881      | 7.943    | 32.365   | 13.544     | 7.861     | 30.959 | 23.694     | 0.116   | 287.598 | 1.253      | 0.116    | 257.318 | 1.145      | 0.116    | 0.128    | 0.0        | 0.116     | 0.128   | 0.0        |
| 22   | 8312        | 8313      | SN   | 1    | -33.85  | 25.02  | 0.126      | -34.481  | 25.221 | 0.213      | 3.654    | 34.461   | 14.911     | 5.17      | 33.357 | 17.019     | 0.116   | 235.233 | 5.402      | 0.116    | 271.993 | 4.169      | 0.116    | 0.15     | 0.0        | 0.116     | 0.14    | 0.0        |
| 23   | 8313        | 8314      | NS   | 1    | -34.734 | 25.001 | 0.28       | -34.787  | 26.158 | 0.456      | -3.159   | 28.713   | 26.775     | -4.376    | 30.224 | 43.808     | 0.116   | 288.312 | 2.943      | 0.116    | 291.827 | 2.389      | 0.116    | 0.299    | 0.0        | 0.116     | 0.362   | 0.0        |
| 24   | 8313        | 8314      | NS   | 1    | -34.827 | 25.003 | 0.28       | -34.787  | 26.158 | 0.456      | -3.177   | 28.716   | 26.775     | -4.376    | 30.226 | 43.811     | 0.116   | 294.533 | 2.948      | 0.116    | 291.827 | 2.39       | 0.116    | 0.3      | 0.0        | 0.116     | 0.362   | 0.0        |
| 25   | 8313        | 8314      | SN   | 1    | -34.495 | 26.397 | 0.076      | -34.806  | 27.43  | 0.126      | -10.575  | 29.613   | 19.044     | -4.226    | 30.668 | 20.403     | 0.116   | 272.815 | 4.232      | 0.116    | 293.086 | 3.665      | 0.116    | 1.198    | 0.002      | 0.116     | 0.353   | 0.0        |
| 26   | 8314        | 8315      | SN   | 1    | -34.502 | 28.768 | 0.108      | -34.764  | 29.276 | 0.219      | -14.755  | 30.346   | 18.054     | -12.113   | 30.623 | 17.386     | 0.116   | 273.321 | 6.217      | 0.116    | 290.257 | 5.594      | 0.116    | 2.986    | 0.002      | 0.116     | 1.666   | 0.002      |
| 27   | 8314        | 8315      | NS   | 1    | -34.996 | 27.384 | 0.39       | -34.999  | 25.682 | 0.541      | -26.279  | 31.564   | 14.41      | -30.312   | 31.253 | 26.004     | 0.116   | 306.198 | 5.04       | 0.116    | 306.422 | 4.402      | 0.116    | 41.214   | 0.329      | 0.116     | 104.181 | 0.22       |
| 28   | 8314        | 8315      | NS   | 1    | -34.154 | 27.376 | 0.39       | -34.937  | 25.682 | 0.54       | -25.72   | 31.564   | 14.541     | -30.135   | 31.253 | 25.996     | 0.116   | 252.338 | 5.041      | 0.116    | 302.114 | 4.4        | 0.116    | 36.26    | 0.328      | 0.116     | 100.048 | 0.22       |
| 29   | 8315        | 8316      | NS   | 1    | -34.951 | 26.892 | 0.494      | -34.515  | 24.983 | 0.512      | 5.955    | 28.861   | 16.381     | -9.489    | 32.671 | 25.194     | 0.116   | 303.038 | 1.973      | 0.116    | 274.122 | 2.055      | 0.116    | 0.136    | 0.0        | 0.116     | 0.953   | 0.0        |
| 30   | 8320        | 8321      | NS   | 1    | -34.891 | 28.957 | 0.405      | -33.124  | 28.956 | 0.061      | -5.351   | 31.825   | 19.869     | 0.102     | 35.606 | 32.601     | 0.116   | 298.873 | 3.098      | 0.116    | 199.016 | 2.821      | 0.116    | 0.428    | 0.0        | 0.116     | 0.198   | 0.0        |
| 31   | 8320        | 8321      | SN   | 1    | -34.241 | 26.145 | 2.036      | -30.643  | 26.91  | 2.868      | -26.319  | 36.106   | 16.934     | -31.124   | 29.926 | 21.032     | 0.116   | 257.333 | 1.473      | 0.116    | 112.423 | 1.193      | 0.116    | 41.605   | 0.151      | 0.116     | 125.605 | 0.152      |
| 32   | 8320        | 8321      | SN   | 2    | -34.241 | 26.145 | 2.036      | -30.643  | 26.91  | 2.868      | -26.319  | 36.106   | 16.934     | -31.124   | 29.926 | 21.032     | 0.116   | 257.333 | 1.473      | 0.116    | 112.423 | 1.193      | 0.116    | 41.605   | 0.151      | 0.116     | 125.605 | 0.152      |
| 33   | 8320        | 8321      | SN   | 1    | -34.241 | 26.145 | 1.21       | -30.643  | 26.91  | 3.041      | -26.319  | 36.106   | 16.934     | -31.124   | 29.926 | 21.032     | 0.116   | 257.333 | 1.567      | 0.116    | 112.423 | 1.269      | 0.116    | 41.605   | 0.151      | 0.116     | 125.605 | 0.152      |

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

- Normal
- Deviations
- Alarming
- High Errors

|    |      |      |    |   |         |        |       |         |        |       |         |        |        |         |        |        |       |         |       |       |         |       |       |         |       |       |         |       |
|----|------|------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|
| 34 | 8320 | 8321 | NS | 1 | -34.668 | 28.959 | 0.405 | -33.696 | 28.956 | 0.061 | -5.377  | 31.827 | 19.856 | 0.102   | 35.606 | 32.582 | 0.116 | 283.954 | 3.104 | 0.116 | 227.061 | 2.824 | 0.116 | 0.43    | 0.0   | 0.116 | 0.198   | 0.0   |
| 35 | 8321 | 8322 | NS | 1 | -34.996 | 27.508 | 0.041 | -33.826 | 28.908 | 0.041 | -2.777  | 34.692 | 11.69  | -0.691  | 30.92  | 23.138 | 0.116 | 306.216 | 3.82  | 0.116 | 233.93  | 3.753 | 0.116 | 0.282   | 0.0   | 0.116 | 0.216   | 0.0   |
| 36 | 8321 | 8322 | SN | 1 | -34.092 | 25.563 | 0.803 | -33.955 | 25.806 | 1.177 | 5.436   | 29.475 | 11.961 | 6.041   | 30.546 | 8.693  | 0.116 | 248.695 | 4.226 | 0.116 | 240.943 | 3.692 | 0.116 | 0.138   | 0.0   | 0.116 | 0.135   | 0.0   |
| 37 | 8321 | 8322 | SN | 1 | -34.092 | 25.563 | 0.822 | -33.942 | 25.806 | 1.203 | 5.44    | 29.475 | 11.961 | 6.041   | 30.546 | 8.695  | 0.116 | 248.695 | 4.324 | 0.116 | 240.288 | 3.773 | 0.116 | 0.138   | 0.0   | 0.116 | 0.135   | 0.0   |
| 38 | 8321 | 8322 | SN | 2 | -34.092 | 25.563 | 0.822 | -33.955 | 25.806 | 1.203 | 5.436   | 29.475 | 11.961 | 6.041   | 30.546 | 8.693  | 0.116 | 248.695 | 4.324 | 0.116 | 240.943 | 3.773 | 0.116 | 0.138   | 0.0   | 0.116 | 0.135   | 0.0   |
| 39 | 8321 | 8322 | NS | 1 | -34.666 | 27.508 | 0.041 | -32.938 | 28.908 | 0.041 | -2.767  | 34.692 | 11.703 | -0.691  | 30.92  | 23.133 | 0.116 | 283.854 | 3.815 | 0.116 | 190.708 | 3.753 | 0.116 | 0.282   | 0.0   | 0.116 | 0.216   | 0.0   |
| 40 | 8322 | 8323 | SN | 1 | -34.242 | 25.738 | 0.278 | -34.563 | 26.123 | 0.337 | 7.311   | 29.658 | 20.058 | 8.521   | 30.568 | 13.872 | 0.116 | 270.788 | 1.65  | 0.116 | 277.206 | 1.318 | 0.116 | 0.13    | 0.0   | 0.116 | 0.126   | 0.0   |
| 41 | 8322 | 8323 | NS | 1 | -34.218 | 25.447 | 0.012 | -33.998 | 26.12  | 0.013 | -17.161 | 29.881 | 12.652 | -5.502  | 29.656 | 21.821 | 0.116 | 256.031 | 5.56  | 0.116 | 243.344 | 4.758 | 0.116 | 5.13    | 0.004 | 0.116 | 0.439   | 0.0   |
| 42 | 8322 | 8323 | SN | 1 | -34.242 | 25.738 | 0.273 | -34.563 | 26.123 | 0.333 | 7.311   | 29.658 | 20.057 | 8.521   | 30.568 | 13.84  | 0.116 | 270.788 | 1.62  | 0.116 | 277.206 | 1.296 | 0.116 | 0.13    | 0.0   | 0.116 | 0.126   | 0.0   |
| 43 | 8322 | 8323 | NS | 1 | -34.744 | 25.444 | 0.012 | -34.312 | 26.12  | 0.013 | -17.164 | 29.881 | 12.648 | -5.504  | 29.656 | 21.851 | 0.116 | 288.982 | 5.543 | 0.116 | 261.603 | 4.751 | 0.116 | 5.133   | 0.004 | 0.116 | 0.439   | 0.0   |
| 44 | 8322 | 8323 | SN | 2 | -34.242 | 25.738 | 0.273 | -34.563 | 26.123 | 0.333 | 7.311   | 29.658 | 20.057 | 8.521   | 30.568 | 13.84  | 0.116 | 270.788 | 1.62  | 0.116 | 277.206 | 1.296 | 0.116 | 0.13    | 0.0   | 0.116 | 0.126   | 0.0   |
| 45 | 8323 | 8324 | SN | 1 | -34.448 | 24.803 | 0.152 | -34.663 | 25.906 | 0.261 | 6.105   | 28.018 | 16.864 | 7.383   | 28.826 | 11.352 | 0.116 | 269.984 | 2.39  | 0.116 | 283.677 | 1.934 | 0.116 | 0.135   | 0.0   | 0.116 | 0.13    | 0.0   |
| 46 | 8323 | 8324 | SN | 1 | -34.448 | 24.803 | 0.156 | -34.745 | 25.906 | 0.266 | 6.105   | 28.018 | 16.881 | 7.383   | 28.826 | 11.496 | 0.116 | 269.984 | 2.447 | 0.116 | 289.052 | 1.972 | 0.116 | 0.135   | 0.0   | 0.116 | 0.13    | 0.0   |
| 47 | 8323 | 8324 | NS | 2 | -34.419 | 25.925 | 0.023 | -34.953 | 23.499 | 0.005 | -6.075  | 31.23  | 8.012  | -7.985  | 30.106 | 16.746 | 0.116 | 268.089 | 3.568 | 0.116 | 303.185 | 3.655 | 0.116 | 0.487   | 0.0   | 0.116 | 0.702   | 0.0   |
| 48 | 8323 | 8324 | NS | 1 | -34.286 | 25.925 | 0.023 | -33.607 | 23.499 | 0.005 | -6.075  | 31.23  | 8.015  | -7.985  | 30.106 | 16.747 | 0.116 | 260.05  | 3.568 | 0.116 | 222.381 | 3.651 | 0.116 | 0.487   | 0.0   | 0.116 | 0.702   | 0.0   |
| 49 | 8323 | 8324 | SN | 1 | -34.951 | 24.803 | 0.152 | -34.663 | 25.906 | 0.261 | 6.105   | 28.018 | 16.864 | 7.383   | 28.826 | 11.352 | 0.116 | 303.071 | 2.39  | 0.116 | 283.677 | 1.931 | 0.116 | 0.135   | 0.0   | 0.116 | 0.13    | 0.0   |
| 50 | 8324 | 8325 | SN | 1 | -34.488 | 23.688 | 0.055 | -34.834 | 24.478 | 0.077 | 6.357   | 28.493 | 18.204 | 7.612   | 29.469 | 21.854 | 0.116 | 272.513 | 1.506 | 0.116 | 295.009 | 1.549 | 0.116 | 0.134   | 0.0   | 0.116 | 0.129   | 0.0   |
| 51 | 8324 | 8325 | SN | 1 | -33.819 | 23.688 | 0.054 | -34.56  | 24.478 | 0.077 | 6.357   | 28.493 | 18.204 | 7.612   | 29.469 | 21.854 | 0.116 | 233.536 | 1.508 | 0.116 | 277.012 | 1.547 | 0.116 | 0.134   | 0.0   | 0.116 | 0.129   | 0.0   |
| 52 | 8324 | 8325 | SN | 1 | -34.488 | 23.688 | 0.056 | -34.834 | 24.478 | 0.078 | 6.357   | 28.493 | 18.651 | 7.612   | 29.469 | 22.427 | 0.116 | 272.513 | 1.553 | 0.116 | 295.009 | 1.598 | 0.116 | 0.134   | 0.0   | 0.116 | 0.129   | 0.0   |
| 53 | 8324 | 8325 | NS | 1 | -34.62  | 23.567 | 0.003 | -34.998 | 23.617 | 0.01  | -10.363 | 28.754 | 10.421 | -10.609 | 29.667 | 17.995 | 0.116 | 280.846 | 3.774 | 0.116 | 306.365 | 3.735 | 0.116 | 1.145   | 0.001 | 0.116 | 1.206   | 0.001 |
| 54 | 8325 | 8326 | NS | 1 | -34.773 | 24.322 | 0.245 | -33.613 | 25.803 | 0.317 | -9.87   | 30.297 | 8.013  | -6.059  | 30.345 | 13.47  | 0.116 | 290.875 | 2.67  | 0.116 | 222.707 | 2.106 | 0.116 | 1.032   | 0.002 | 0.116 | 0.486   | 0.0   |
| 55 | 8325 | 8326 | NS | 1 | -34.773 | 24.322 | 0.245 | -33.613 | 25.803 | 0.317 | -9.87   | 30.297 | 8.067  | -6.059  | 30.345 | 13.536 | 0.116 | 290.875 | 2.666 | 0.116 | 222.707 | 2.106 | 0.116 | 1.032   | 0.002 | 0.116 | 0.486   | 0.0   |
| 56 | 8325 | 8326 | SN | 1 | -34.948 | 20.858 | 0.0   | -34.606 | 21.077 | 0.0   | 4.234   | 28.909 | 16.758 | -0.544  | 29.446 | 17.672 | 0.116 | 302.896 | 3.821 | 0.116 | 279.956 | 2.93  | 0.116 | 0.146   | 0.0   | 0.116 | 0.212   | 0.0   |
| 57 | 8325 | 8326 | SN | 1 | -34.948 | 20.858 | 0.0   | -34.606 | 22.293 | 0.001 | 4.234   | 28.909 | 15.681 | -0.544  | 29.446 | 17.431 | 0.116 | 302.896 | 3.666 | 0.116 | 279.956 | 2.768 | 0.116 | 0.146   | 0.0   | 0.116 | 0.212   | 0.0   |
| 58 | 8325 | 8326 | SN | 2 | -34.764 | 20.858 | 0.0   | -34.606 | 22.293 | 0.001 | 4.234   | 28.909 | 15.679 | -0.544  | 29.446 | 17.43  | 0.116 | 290.314 | 3.666 | 0.116 | 279.956 | 2.768 | 0.116 | 0.146   | 0.0   | 0.116 | 0.212   | 0.0   |
| 59 | 8326 | 8327 | NS | 1 | -34.604 | 26.276 | 0.408 | -33.88  | 27.353 | 0.627 | 7.94    | 29.536 | 18.344 | 7.708   | 30.154 | 28.568 | 0.116 | 279.832 | 1.214 | 0.116 | 236.885 | 1.092 | 0.116 | 0.128   | 0.0   | 0.116 | 0.129   | 0.0   |
| 60 | 8326 | 8327 | SN | 2 | -34.092 | 24.797 | 0.191 | -34.686 | 25.759 | 0.245 | -7.24   | 33.876 | 12.258 | -7.501  | 34.797 | 13.66  | 0.116 | 248.759 | 2.294 | 0.116 | 285.208 | 1.198 | 0.116 | 0.607   | 0.0   | 0.116 | 0.638   | 0.0   |
| 61 | 8326 | 8327 | SN | 1 | -34.092 | 24.797 | 0.203 | -34.686 | 25.759 | 0.275 | -7.24   | 33.876 | 12.855 | -7.501  | 34.797 | 13.611 | 0.116 | 248.759 | 2.46  | 0.116 | 285.208 | 1.338 | 0.116 | 0.607   | 0.0   | 0.116 | 0.638   | 0.0   |
| 62 | 8326 | 8327 | NS | 1 | -34.532 | 26.278 | 0.408 | -32.1   | 27.353 | 0.626 | 7.938   | 29.536 | 18.484 | 7.704   | 30.154 | 28.536 | 0.116 | 275.178 | 1.212 | 0.116 | 157.242 | 1.091 | 0.116 | 0.128   | 0.0   | 0.116 | 0.129   | 0.0   |
| 63 | 8326 | 8327 | SN | 1 | -34.092 | 24.797 | 0.191 | -34.686 | 25.759 | 0.245 | -7.24   | 33.876 | 12.258 | -7.501  | 34.797 | 13.66  | 0.116 | 248.759 | 2.294 | 0.116 | 285.208 | 1.198 | 0.116 | 0.607   | 0.0   | 0.116 | 0.638   | 0.0   |
| 64 | 8327 | 8328 | NS | 1 | -33.956 | 25.888 | 0.452 | -31.111 | 26.706 | 0.567 | 3.179   | 32.69  | 20.994 | 6.519   | 31.2   | 35.034 | 0.116 | 241.017 | 1.598 | 0.116 | 125.233 | 1.422 | 0.116 | 0.154   | 0.0   | 0.116 | 0.133   | 0.0   |
| 65 | 8327 | 8328 | NS | 1 | -33.952 | 25.888 | 0.451 | -31.108 | 26.706 | 0.566 | 3.178   | 32.688 | 20.99  | 6.519   | 31.2   | 35.041 | 0.116 | 240.784 | 1.595 | 0.116 | 125.145 | 1.421 | 0.116 | 0.154   | 0.0   | 0.116 | 0.133   | 0.0   |
| 66 | 8327 | 8328 | SN | 1 | -34.518 | 26.684 | 0.235 | -34.433 | 26.479 | 0.328 | -7.104  | 32.203 | 16.633 | -3.27   | 32.187 | 20.612 | 0.116 | 274.275 | 5.965 | 0.116 | 269.002 | 5.193 | 0.116 | 0.591   | 0.0   | 0.116 | 0.304   | 0.0   |
| 67 | 8327 | 8328 | SN | 2 | -34.518 | 26.684 | 0.235 | -34.459 | 26.479 | 0.328 | -7.104  | 32.203 | 16.634 | -3.27   | 32.187 | 20.609 | 0.116 | 274.275 | 5.964 | 0.116 | 270.646 | 5.191 | 0.116 | 0.591   | 0.0   | 0.116 | 0.304   | 0.0   |
| 68 | 8327 | 8328 | SN | 1 | -34.518 | 26.684 | 0.259 | -34.433 | 26.479 | 0.388 | -7.1    | 32.203 | 17.744 | -3.27   | 32.187 | 20.667 | 0.116 | 274.275 | 6.388 | 0.116 | 269.002 | 5.928 | 0.116 | 0.591   | 0.0   | 0.116 | 0.304   | 0.0   |
| 69 | 8328 | 8329 | SN | 1 | -34.753 | 26.739 | 0.178 | -34.27  | 27.379 | 0.256 | -13.791 | 30.054 | 18.09  | -2.227  | 30.991 | 17.109 | 0.116 | 289.594 | 4.186 | 0.116 | 259.08  | 3.453 | 0.116 | 2.41    | 0.007 | 0.116 | 0.262   | 0.0   |
| 70 | 8328 | 8329 | NS | 1 | -34.281 | 28.259 | 0.278 | -34.32  | 25.906 | 0.428 | -15.2   | 28.272 | 25.719 | -26.283 | 30.448 | 39.379 | 0.116 | 259.733 | 3.063 | 0.116 | 262.105 | 2.753 | 0.116 | 3.298   | 0.021 | 0.116 | 43.391  | 0.008 |
| 71 | 8328 | 8329 | NS | 1 | -34.66  | 28.259 | 0.278 | -34.535 | 25.906 | 0.427 | -15.222 | 28.272 | 25.661 | -27.716 | 30.447 | 39.332 | 0.116 | 283.413 | 3.059 | 0.116 | 275.427 | 2.75  | 0.116 | 3.315   | 0.021 | 0.116 | 57.355  | 0.008 |
| 72 | 8329 | 8330 | NS | 1 | -34.744 | 26.347 | 0.285 | -34.597 | 25.591 | 0.339 | -30.434 | 32.685 | 14.127 | -30.547 | 33.813 | 24.425 | 0.116 | 288.913 | 3.585 | 0.116 | 279.364 | 3.851 | 0.116 | 110.007 | 0.225 | 0.116 | 110.007 | 0.168 |

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

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

|    |      |      |    |   |         |        |       |         |        |       |        |        |        |         |        |        |       |         |       |       |         |       |       |         |       |       |         |       |
|----|------|------|----|---|---------|--------|-------|---------|--------|-------|--------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|
| 73 | 8329 | 8330 | NS | 1 | -34.75  | 26.349 | 0.279 | -34.821 | 25.586 | 0.339 | -30.78 | 32.685 | 14.077 | -31.416 | 33.813 | 24.416 | 0.116 | 289.357 | 3.584 | 0.116 | 312.621 | 3.861 | 0.116 | 116.076 | 0.226 | 0.116 | 134.333 | 0.166 |
| 74 | 8329 | 8330 | SN | 1 | -34.991 | 28.057 | 0.023 | -34.686 | 28.85  | 0.171 | -9.279 | 31.988 | 19.32  | -14.845 | 30.659 | 18.959 | 0.116 | 305.936 | 8.617 | 0.116 | 285.192 | 7.19  | 0.116 | 0.913   | 0.0   | 0.116 | 3.046   | 0.012 |
| 75 | 8330 | 8331 | NS | 1 | -34.17  | 26.258 | 0.857 | -32.725 | 25.577 | 1.051 | 4.677  | 28.843 | 19.259 | 5.153   | 30.872 | 29.167 | 0.116 | 253.172 | 2.263 | 0.116 | 181.551 | 2.068 | 0.116 | 0.143   | 0.0   | 0.116 | 0.14    | 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     | 8305        | 8306      | SN   | 2    | 57.564          | 58.162 | 0.0       | 0.0           | 295.61  | 3.924     | 1217.864 | 1263.664 | 0.0       | -92.928  | -91.963 | 0.0       |
| 2     | 8305        | 8306      | SN   | 1    | 57.564          | 58.162 | 0.0       | 0.003         | 295.61  | 3.022     | 1217.864 | 1262.936 | 0.0       | -92.928  | -91.963 | 0.0       |
| 3     | 8305        | 8306      | SN   | 1    | 57.564          | 58.162 | 0.0       | 0.0           | 295.61  | 3.924     | 1217.864 | 1263.664 | 0.0       | -92.928  | -91.963 | 0.0       |
| 4     | 8306        | 8307      | SN   | 1    | 57.533          | 58.158 | 0.0       | 0.0           | 295.455 | 3.225     | 1217.04  | 1263.496 | 0.0       | -92.898  | -91.974 | 0.0       |
| 5     | 8306        | 8307      | NS   | 1    | 57.572          | 58.224 | 0.0       | 0.0           | 297.871 | 3.563     | 1213.72  | 1264.176 | 0.0       | -93.743  | -91.938 | 0.0       |
| 6     | 8306        | 8307      | SN   | 1    | 57.533          | 58.158 | 0.0       | 0.0           | 295.455 | 3.705     | 1217.04  | 1263.664 | 0.0       | -92.898  | -91.974 | 0.0       |
| 7     | 8307        | 8308      | SN   | 1    | 57.539          | 58.15  | 0.0       | 0.0           | 296.707 | 3.582     | 1217.408 | 1263.544 | 0.0       | -92.964  | -91.974 | 0.0       |
| 8     | 8307        | 8308      | NS   | 1    | 57.574          | 58.224 | 0.0       | 0.0           | 295.35  | 3.609     | 1214.56  | 1264.136 | 0.0       | -93.743  | -91.953 | 0.0       |
| 9     | 8308        | 8309      | SN   | 1    | 57.54           | 58.149 | 0.0       | 0.0           | 297.804 | 3.598     | 1217.232 | 1263.512 | 0.0       | -92.943  | -91.973 | 0.0       |
| 10    | 8308        | 8309      | NS   | 1    | 57.885          | 58.129 | 0.0       | 0.016         | 32.754  | 52.811    | 1257.376 | 1263.664 | 0.0       | -92.758  | -92.294 | 0.0       |
| 11    | 8309        | 8310      | SN   | 1    | 57.534          | 58.164 | 0.0       | 0.0           | 299.873 | 3.591     | 1216.736 | 1263.536 | 0.0       | -93.035  | -91.973 | 0.0       |
| 12    | 8309        | 8310      | SN   | 1    | 57.534          | 58.164 | 0.0       | 0.0           | 299.873 | 3.595     | 1216.76  | 1263.536 | 0.0       | -92.989  | -91.973 | 0.0       |
| 13    | 8309        | 8310      | NS   | 1    | 57.602          | 58.242 | 0.0       | 0.0           | 296.117 | 3.558     | 1214.736 | 1264.04  | 0.0       | -93.001  | -91.923 | 0.0       |
| 14    | 8310        | 8311      | NS   | 1    | 57.57           | 58.224 | 0.0       | 0.0           | 293.806 | 3.82      | 1213.704 | 1264.016 | 0.0       | -93.742  | -91.953 | 0.0       |
| 15    | 8310        | 8311      | SN   | 1    | 57.563          | 58.16  | 0.0       | 0.0           | 299.52  | 3.325     | 1217.776 | 1263.56  | 0.0       | -93.021  | -91.974 | 0.0       |
| 16    | 8310        | 8311      | NS   | 2    | 57.57           | 58.223 | 0.0       | 0.0           | 293.823 | 3.823     | 1213.712 | 1264.016 | 0.0       | -93.742  | -91.953 | 0.0       |
| 17    | 8310        | 8311      | SN   | 1    | 57.563          | 58.16  | 0.0       | 0.0           | 299.52  | 3.554     | 1217.488 | 1263.584 | 0.0       | -93.004  | -91.974 | 0.0       |
| 18    | 8311        | 8312      | SN   | 1    | 57.542          | 58.153 | 0.0       | 0.0           | 295.632 | 3.698     | 1217.728 | 1263.52  | 0.0       | -92.926  | -91.946 | 0.0       |
| 19    | 8311        | 8312      | SN   | 1    | 57.542          | 58.153 | 0.0       | 0.0           | 295.632 | 2.713     | 1217.728 | 1262.56  | 0.0       | -92.926  | -91.946 | 0.0       |
| 20    | 8311        | 8312      | NS   | 1    | 57.577          | 58.248 | 0.0       | 0.0           | 299.735 | 3.619     | 1213.8   | 1263.704 | 0.0       | -93.052  | -91.95  | 0.0       |
| 21    | 8312        | 8313      | NS   | 1    | 57.575          | 58.247 | 0.0       | 0.0           | 295.99  | 3.551     | 1213.816 | 1263.848 | 0.0       | -93.742  | -91.937 | 0.0       |
| 22    | 8312        | 8313      | SN   | 1    | 57.546          | 58.272 | 0.0       | 0.0           | 294.644 | 3.755     | 1217.496 | 1267.328 | 0.0       | -94.724  | -91.966 | 0.0       |
| 23    | 8313        | 8314      | NS   | 1    | 57.565          | 58.221 | 0.0       | 0.0           | 295.229 | 3.672     | 1214.144 | 1264.096 | 0.0       | -93.743  | -91.884 | 0.0       |
| 24    | 8313        | 8314      | NS   | 1    | 57.568          | 58.221 | 0.0       | 0.0           | 295.234 | 3.664     | 1214.152 | 1264.088 | 0.0       | -93.743  | -91.884 | 0.0       |
| 25    | 8313        | 8314      | SN   | 1    | 57.567          | 58.265 | 0.0       | 0.0           | 296.326 | 3.647     | 1217.92  | 1267.328 | 0.0       | -94.788  | -91.963 | 0.0       |
| 26    | 8314        | 8315      | SN   | 1    | 57.537          | 58.168 | 0.0       | 0.0           | 297.804 | 3.623     | 1218.184 | 1263.92  | 0.0       | -93.079  | -91.982 | 0.0       |
| 27    | 8314        | 8315      | NS   | 1    | 57.563          | 58.222 | 0.0       | 0.0           | 297.628 | 3.875     | 1213.768 | 1264.32  | 0.0       | -93.743  | -91.947 | 0.0       |
| 28    | 8314        | 8315      | NS   | 1    | 57.584          | 58.222 | 0.0       | 0.0           | 297.65  | 3.884     | 1213.504 | 1264.312 | 0.0       | -93.743  | -91.947 | 0.0       |
| 29    | 8315        | 8316      | NS   | 1    | 57.565          | 58.222 | 0.0       | 0.0           | 297.7   | 3.597     | 1213.928 | 1264.24  | 0.0       | -93.075  | -91.946 | 0.0       |
| 30    | 8320        | 8321      | NS   | 1    | 57.567          | 58.218 | 0.0       | 0.0           | 297.496 | 3.727     | 1212.224 | 1263.912 | 0.0       | -93.742  | -91.924 | 0.0       |
| 31    | 8320        | 8321      | SN   | 1    | 57.568          | 58.156 | 0.0       | 0.0           | 296.679 | 3.901     | 1218.392 | 1263.56  | 0.0       | -92.859  | -91.925 | 0.0       |
| 32    | 8320        | 8321      | SN   | 2    | 57.568          | 58.156 | 0.0       | 0.0           | 296.679 | 3.901     | 1218.392 | 1263.56  | 0.0       | -92.859  | -91.925 | 0.0       |
| 33    | 8320        | 8321      | SN   | 1    | 57.568          | 58.156 | 0.0       | 0.0           | 296.679 | 3.352     | 1218.392 | 1263.28  | 0.0       | -92.859  | -91.925 | 0.0       |
| 34    | 8320        | 8321      | NS   | 1    | 57.587          | 58.218 | 0.0       | 0.0           | 297.496 | 3.731     | 1212.224 | 1263.912 | 0.0       | -93.742  | -91.924 | 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 |

|    |      |      |    |   |        |        |     |       |         |       |          |          |     |         |         |     |
|----|------|------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|-----|---------|---------|-----|
| 35 | 8321 | 8322 | NS | 1 | 57.579 | 58.219 | 0.0 | 0.0   | 298.852 | 3.527 | 1212.472 | 1263.992 | 0.0 | -93.742 | -91.942 | 0.0 |
| 36 | 8321 | 8322 | SN | 1 | 57.54  | 58.155 | 0.0 | 0.0   | 299.652 | 3.668 | 1218.768 | 1263.464 | 0.0 | -92.935 | -91.984 | 0.0 |
| 37 | 8321 | 8322 | SN | 1 | 57.54  | 58.154 | 0.0 | 0.003 | 299.713 | 3.185 | 1218.768 | 1263.36  | 0.0 | -92.935 | -91.984 | 0.0 |
| 38 | 8321 | 8322 | SN | 2 | 57.54  | 58.155 | 0.0 | 0.003 | 299.652 | 3.183 | 1218.768 | 1263.352 | 0.0 | -92.935 | -91.984 | 0.0 |
| 39 | 8321 | 8322 | NS | 1 | 57.59  | 58.219 | 0.0 | 0.0   | 298.852 | 3.531 | 1212.472 | 1263.992 | 0.0 | -93.742 | -91.942 | 0.0 |
| 40 | 8322 | 8323 | SN | 1 | 57.548 | 58.154 | 0.0 | 0.0   | 297.722 | 3.117 | 1218.504 | 1263.272 | 0.0 | -92.953 | -91.983 | 0.0 |
| 41 | 8322 | 8323 | NS | 1 | 57.57  | 58.217 | 0.0 | 0.0   | 297.17  | 3.493 | 1212.8   | 1263.688 | 0.0 | -93.741 | -91.943 | 0.0 |
| 42 | 8322 | 8323 | SN | 1 | 57.548 | 58.154 | 0.0 | 0.0   | 297.722 | 3.585 | 1218.504 | 1263.392 | 0.0 | -92.953 | -91.983 | 0.0 |
| 43 | 8322 | 8323 | NS | 1 | 57.574 | 58.217 | 0.0 | 0.0   | 297.17  | 3.496 | 1212.8   | 1263.688 | 0.0 | -93.741 | -91.943 | 0.0 |
| 44 | 8322 | 8323 | SN | 2 | 57.548 | 58.154 | 0.0 | 0.0   | 297.722 | 3.582 | 1218.504 | 1263.408 | 0.0 | -92.953 | -91.983 | 0.0 |
| 45 | 8323 | 8324 | SN | 1 | 57.543 | 58.158 | 0.0 | 0.0   | 295.052 | 3.578 | 1218.464 | 1263.32  | 0.0 | -92.894 | -91.983 | 0.0 |
| 46 | 8323 | 8324 | SN | 1 | 57.543 | 58.158 | 0.0 | 0.003 | 295.052 | 3.075 | 1218.464 | 1263.112 | 0.0 | -92.9   | -91.983 | 0.0 |
| 47 | 8323 | 8324 | NS | 2 | 57.561 | 58.218 | 0.0 | 0.0   | 294.915 | 3.681 | 1212.712 | 1263.76  | 0.0 | -92.952 | -91.938 | 0.0 |
| 48 | 8323 | 8324 | NS | 1 | 57.561 | 58.217 | 0.0 | 0.0   | 294.937 | 3.679 | 1212.728 | 1263.752 | 0.0 | -92.952 | -91.938 | 0.0 |
| 49 | 8323 | 8324 | SN | 1 | 57.543 | 58.158 | 0.0 | 0.0   | 295.052 | 3.574 | 1218.312 | 1263.32  | 0.0 | -92.894 | -91.983 | 0.0 |
| 50 | 8324 | 8325 | SN | 1 | 57.544 | 58.159 | 0.0 | 0.003 | 296.872 | 3.55  | 1218.328 | 1263.392 | 0.0 | -93.173 | -91.982 | 0.0 |
| 51 | 8324 | 8325 | SN | 1 | 57.544 | 58.159 | 0.0 | 0.0   | 296.872 | 3.546 | 1218.144 | 1263.392 | 0.0 | -93.086 | -91.982 | 0.0 |
| 52 | 8324 | 8325 | SN | 1 | 57.544 | 58.159 | 0.0 | 0.003 | 296.872 | 2.969 | 1218.328 | 1263.088 | 0.0 | -93.173 | -91.982 | 0.0 |
| 53 | 8324 | 8325 | NS | 1 | 57.566 | 58.228 | 0.0 | 0.0   | 297.33  | 3.646 | 1213.4   | 1263.632 | 0.0 | -93.74  | -91.918 | 0.0 |
| 54 | 8325 | 8326 | NS | 1 | 57.593 | 58.236 | 0.0 | 0.0   | 297.391 | 3.746 | 1212.576 | 1263.784 | 0.0 | -93.74  | -91.94  | 0.0 |
| 55 | 8325 | 8326 | NS | 1 | 57.582 | 58.236 | 0.0 | 0.0   | 297.391 | 3.762 | 1212.568 | 1263.784 | 0.0 | -93.74  | -91.94  | 0.0 |
| 56 | 8325 | 8326 | SN | 1 | 57.549 | 58.168 | 0.0 | 0.003 | 294.617 | 2.831 | 1219.008 | 1262.792 | 0.0 | -92.988 | -91.984 | 0.0 |
| 57 | 8325 | 8326 | SN | 1 | 57.549 | 58.168 | 0.0 | 0.0   | 294.617 | 3.662 | 1219.008 | 1263.392 | 0.0 | -92.97  | -91.984 | 0.0 |
| 58 | 8325 | 8326 | SN | 2 | 57.549 | 58.156 | 0.0 | 0.0   | 294.6   | 3.66  | 1219.008 | 1263.392 | 0.0 | -92.97  | -91.984 | 0.0 |
| 59 | 8326 | 8327 | NS | 1 | 57.59  | 58.248 | 0.0 | 0.0   | 299.106 | 3.679 | 1212.968 | 1263.624 | 0.0 | -93.74  | -91.937 | 0.0 |
| 60 | 8326 | 8327 | SN | 2 | 57.552 | 58.349 | 0.0 | 0.0   | 298.455 | 3.746 | 1219.28  | 1269.096 | 0.0 | -95.685 | -91.948 | 0.0 |
| 61 | 8326 | 8327 | SN | 1 | 57.552 | 58.156 | 0.0 | 0.0   | 298.455 | 2.58  | 1219.28  | 1262.4   | 0.0 | -92.938 | -91.948 | 0.0 |
| 62 | 8326 | 8327 | NS | 1 | 57.59  | 58.248 | 0.0 | 0.0   | 298.946 | 3.689 | 1212.96  | 1263.624 | 0.0 | -93.741 | -91.938 | 0.0 |
| 63 | 8326 | 8327 | SN | 1 | 57.552 | 58.349 | 0.0 | 0.0   | 298.455 | 3.746 | 1219.28  | 1269.088 | 0.0 | -95.685 | -91.948 | 0.0 |
| 64 | 8327 | 8328 | NS | 1 | 57.575 | 58.216 | 0.0 | 0.0   | 297.258 | 3.732 | 1212.888 | 1263.592 | 0.0 | -93.74  | -91.92  | 0.0 |
| 65 | 8327 | 8328 | NS | 1 | 57.589 | 58.221 | 0.0 | 0.0   | 297.258 | 3.728 | 1212.888 | 1263.592 | 0.0 | -93.74  | -91.92  | 0.0 |
| 66 | 8327 | 8328 | SN | 1 | 57.574 | 58.168 | 0.0 | 0.0   | 298.196 | 3.682 | 1219.48  | 1263.528 | 0.0 | -92.945 | -91.975 | 0.0 |
| 67 | 8327 | 8328 | SN | 2 | 57.574 | 58.168 | 0.0 | 0.0   | 298.069 | 3.679 | 1219.312 | 1263.528 | 0.0 | -93.103 | -91.975 | 0.0 |
| 68 | 8327 | 8328 | SN | 1 | 57.574 | 58.168 | 0.0 | 0.0   | 298.196 | 2.164 | 1219.48  | 1261.72  | 0.0 | -92.945 | -91.975 | 0.0 |
| 69 | 8328 | 8329 | SN | 1 | 57.496 | 58.163 | 0.0 | 0.0   | 290.453 | 3.597 | 1219.928 | 1263.712 | 0.0 | -93.247 | -91.991 | 0.0 |
| 70 | 8328 | 8329 | NS | 1 | 57.57  | 58.216 | 0.0 | 0.0   | 297.209 | 3.773 | 1212.36  | 1263.976 | 0.0 | -93.741 | -91.896 | 0.0 |
| 71 | 8328 | 8329 | NS | 1 | 57.567 | 58.216 | 0.0 | 0.0   | 297.209 | 3.77  | 1212.912 | 1263.976 | 0.0 | -93.741 | -91.896 | 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 |

|    |      |      |    |   |        |        |     |     |         |       |          |          |     |         |         |     |
|----|------|------|----|---|--------|--------|-----|-----|---------|-------|----------|----------|-----|---------|---------|-----|
| 72 | 8329 | 8330 | NS | 1 | 57.558 | 58.216 | 0.0 | 0.0 | 295.648 | 3.737 | 1212.632 | 1264.128 | 0.0 | -93.743 | -91.936 | 0.0 |
| 73 | 8329 | 8330 | NS | 1 | 57.566 | 58.216 | 0.0 | 0.0 | 295.648 | 3.725 | 1212.744 | 1264.128 | 0.0 | -93.743 | -91.936 | 0.0 |
| 74 | 8329 | 8330 | SN | 1 | 57.576 | 58.177 | 0.0 | 0.0 | 297.661 | 3.662 | 1218.976 | 1263.632 | 0.0 | -93.133 | -91.991 | 0.0 |
| 75 | 8330 | 8331 | NS | 1 | 57.557 | 58.215 | 0.0 | 0.0 | 288.771 | 3.386 | 1212.624 | 1263.672 | 0.0 | -93.702 | -91.934 | 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       | 8305        | 8306      | SN       | 2    | -34.977 | 19.881   | 0.0        | -33.916 | 20.162    | 0.0        | -28.672  | 23.294   | 0.087      | -27.275 | 23.041   | 0.049      | 0.086 | 233.051  | 1.728      | 0.086 | 182.573   | 1.283      | 0.086    | 54.62    | 0.22       | 0.086 | 39.602  | 0.227      |
| 2       | 8305        | 8306      | SN       | 1    | -34.977 | 19.881   | 0.0        | -33.916 | 20.162    | 0.0        | -28.672  | 23.294   | 0.087      | -27.275 | 23.041   | 0.049      | 0.086 | 233.051  | 1.797      | 0.086 | 182.573   | 1.434      | 0.086    | 54.62    | 0.222      | 0.086 | 39.602  | 0.229      |
| 3       | 8305        | 8306      | SN       | 1    | -34.977 | 19.881   | 0.0        | -33.916 | 20.162    | 0.0        | -28.672  | 23.294   | 0.087      | -27.275 | 23.041   | 0.049      | 0.086 | 233.051  | 1.727      | 0.086 | 182.573   | 1.283      | 0.086    | 54.62    | 0.22       | 0.086 | 39.602  | 0.227      |
| 4       | 8306        | 8307      | SN       | 1    | -34.806 | 19.605   | 0.0        | -34.69  | 20.052    | 0.0        | -34.67   | 23.082   | 0.152      | -33.002 | 24.078   | 0.19       | 0.086 | 224.021  | 3.923      | 0.086 | 218.098   | 3.192      | 0.086    | 217.133  | 0.29       | 0.086 | 147.893 | 0.446      |
| 5       | 8306        | 8307      | NS       | 1    | -34.813 | 21.457   | 0.0        | -34.526 | 22.387    | 0.001      | -3.151   | 23.303   | 0.05       | -2.48   | 24.554   | 0.329      | 0.086 | 224.386  | 3.725      | 0.086 | 210.02    | 4.442      | 0.086    | 0.224    | 0.0        | 0.086 | 0.203   | 0.0        |
| 6       | 8306        | 8307      | SN       | 1    | -34.806 | 19.605   | 0.0        | -34.69  | 20.052    | 0.0        | -34.67   | 23.082   | 0.152      | -33.002 | 24.078   | 0.19       | 0.086 | 224.021  | 3.799      | 0.086 | 218.098   | 3.102      | 0.086    | 217.133  | 0.29       | 0.086 | 147.893 | 0.446      |
| 7       | 8307        | 8308      | SN       | 1    | -34.821 | 19.308   | 0.0        | -34.67  | 19.562    | 0.0        | 0.621    | 23.162   | 0.343      | 2.095   | 23.688   | 0.448      | 0.086 | 224.784  | 2.695      | 0.086 | 217.138   | 2.552      | 0.086    | 0.14     | 0.0        | 0.086 | 0.124   | 0.0        |
| 8       | 8307        | 8308      | NS       | 1    | -34.574 | 18.598   | 0.0        | -34.586 | 18.821    | 0.0        | -14.282  | 23.699   | 0.064      | -33.842 | 24.084   | 0.306      | 0.086 | 212.394  | 2.858      | 0.086 | 213.0     | 2.935      | 0.086    | 2.05     | 0.004      | 0.086 | 179.469 | 0.088      |
| 9       | 8308        | 8309      | SN       | 1    | -34.86  | 19.089   | 0.0        | -33.764 | 19.936    | 0.0        | 0.45     | 22.8     | 0.33       | 2.497   | 23.413   | 0.644      | 0.086 | 226.829  | 1.498      | 0.086 | 176.304   | 1.244      | 0.086    | 0.142    | 0.0        | 0.086 | 0.12    | 0.0        |
| 10      | 8308        | 8309      | NS       | 1    | 2.791   | 16.041   | 0.0        | 0.014   | 13.823    | 0.0        | 100000.0 | -10000.0 | 0.0        | 12.55   | 14.157   | 0.0        | 0.087 | 0.118    | 0.0        | 0.088 | 0.149     | 0.0        | 100000.0 | -10000.0 | 0.0        | 0.088 | 0.089   | 0.0        |
| 11      | 8309        | 8310      | SN       | 1    | -34.584 | 19.751   | 0.0        | -33.652 | 19.838    | 0.0        | 1.08     | 22.942   | 0.445      | 2.949   | 23.077   | 1.296      | 0.086 | 212.905  | 2.931      | 0.086 | 171.783   | 2.408      | 0.086    | 0.134    | 0.0        | 0.086 | 0.116   | 0.0        |
| 12      | 8309        | 8310      | SN       | 1    | -34.939 | 19.751   | 0.0        | -33.894 | 19.838    | 0.0        | 1.08     | 22.942   | 0.445      | 2.949   | 23.077   | 1.296      | 0.086 | 231.014  | 2.938      | 0.086 | 181.637   | 2.41       | 0.086    | 0.134    | 0.0        | 0.086 | 0.116   | 0.0        |
| 13      | 8309        | 8310      | NS       | 1    | -34.677 | 15.08    | 0.0        | -34.048 | 15.577    | 0.0        | -5.049   | 23.473   | 0.158      | -5.47   | 23.575   | 0.264      | 0.087 | 217.482  | 2.196      | 0.087 | 188.161   | 2.971      | 0.086    | 0.306    | 0.0        | 0.086 | 0.33    | 0.0        |
| 14      | 8310        | 8311      | NS       | 1    | -34.85  | 19.927   | 0.0        | -34.84  | 15.769    | 0.0        | -13.74   | 23.474   | 0.158      | -20.233 | 23.533   | 0.311      | 0.086 | 226.326  | 4.176      | 0.087 | 225.755   | 3.943      | 0.086    | 1.817    | 0.004      | 0.086 | 7.877   | 0.003      |
| 15      | 8310        | 8311      | SN       | 1    | -34.371 | 17.478   | 0.0        | -34.623 | 17.837    | 0.0        | 0.689    | 23.041   | 0.098      | 2.602   | 23.406   | 0.365      | 0.087 | 207.86   | 1.557      | 0.086 | 214.779   | 1.491      | 0.086    | 0.139    | 0.0        | 0.086 | 0.119   | 0.0        |
| 16      | 8310        | 8311      | NS       | 2    | -34.85  | 19.927   | 0.0        | -34.999 | 15.769    | 0.0        | -13.74   | 23.474   | 0.158      | -20.233 | 23.533   | 0.311      | 0.086 | 226.326  | 4.176      | 0.087 | 234.175   | 3.942      | 0.086    | 1.817    | 0.004      | 0.086 | 7.877   | 0.003      |
| 17      | 8310        | 8311      | SN       | 1    | -34.574 | 17.478   | 0.0        | -34.623 | 17.837    | 0.0        | 0.689    | 23.041   | 0.097      | 2.602   | 23.406   | 0.365      | 0.087 | 217.745  | 1.555      | 0.086 | 214.779   | 1.493      | 0.086    | 0.139    | 0.0        | 0.086 | 0.119   | 0.0        |
| 18      | 8311        | 8312      | SN       | 1    | -34.188 | 18.484   | 0.0        | -34.79  | 18.263    | 0.0        | -5.606   | 23.934   | 0.542      | 1.14    | 23.996   | 0.818      | 0.086 | 194.315  | 1.987      | 0.086 | 223.241   | 1.74       | 0.086    | 0.338    | 0.0        | 0.086 | 0.134   | 0.0        |
| 19      | 8311        | 8312      | SN       | 1    | -34.359 | 18.484   | 0.0        | -34.79  | 18.263    | 0.0        | -5.606   | 23.934   | 0.586      | 1.14    | 23.996   | 0.821      | 0.086 | 202.136  | 2.074      | 0.086 | 223.241   | 1.789      | 0.086    | 0.338    | 0.0        | 0.086 | 0.134   | 0.0        |
| 20      | 8311        | 8312      | NS       | 1    | -33.387 | 20.441   | 0.0        | -34.524 | 20.445    | 0.0        | -23.531  | 23.112   | 0.337      | -28.885 | 23.611   | 0.82       | 0.086 | 161.616  | 1.617      | 0.086 | 209.938   | 1.909      | 0.086    | 16.766   | 0.075      | 0.086 | 57.37   | 0.102      |
| 21      | 8312        | 8313      | NS       | 1    | -34.869 | 19.635   | 0.0        | -33.939 | 20.82     | 0.0        | 2.027    | 23.32    | 0.118      | 1.948   | 23.988   | 0.764      | 0.086 | 227.306  | 1.108      | 0.086 | 183.505   | 1.035      | 0.086    | 0.124    | 0.0        | 0.086 | 0.125   | 0.0        |
| 22      | 8312        | 8313      | SN       | 1    | -34.623 | 20.673   | 0.0        | -34.962 | 20.329    | 0.0        | -7.0     | 23.847   | 1.145      | -7.175  | 25.407   | 1.91       | 0.086 | 214.773  | 4.451      | 0.086 | 232.19    | 3.867      | 0.086    | 0.439    | 0.0        | 0.086 | 0.454   | 0.0        |
| 23      | 8313        | 8314      | NS       | 1    | -34.962 | 22.297   | 0.003      | -34.937 | 19.861    | 0.0        | 1.144    | 23.324   | 0.099      | -19.003 | 24.319   | 1.524      | 0.086 | 232.219  | 2.291      | 0.086 | 230.909   | 2.031      | 0.086    | 0.134    | 0.0        | 0.086 | 5.951   | 0.019      |
| 24      | 8313        | 8314      | NS       | 1    | -33.799 | 22.297   | 0.003      | -34.946 | 19.861    | 0.0        | 1.14     | 23.324   | 0.101      | -18.977 | 24.31    | 1.524      | 0.086 | 177.664  | 2.289      | 0.086 | 231.358   | 2.031      | 0.086    | 0.134    | 0.0        | 0.086 | 5.915   | 0.019      |
| 25      | 8313        | 8314      | SN       | 1    | -34.858 | 21.222   | 0.0        | -34.117 | 19.845    | 0.0        | -24.258  | 23.931   | 0.638      | -28.005 | 24.534   | 0.901      | 0.086 | 226.75   | 3.853      | 0.086 | 191.186   | 3.935      | 0.086    | 19.804   | 0.098      | 0.086 | 46.855  | 0.007      |
| 26      | 8314        | 8315      | SN       | 1    | -34.925 | 21.941   | 0.0        | -34.993 | 21.556    | 0.0        | -7.517   | 23.832   | 0.675      | -6.731  | 23.603   | 0.285      | 0.086 | 230.284  | 4.836      | 0.086 | 233.896   | 5.113      | 0.086    | 0.485    | 0.0        | 0.086 | 0.417   | 0.0        |
| 27      | 8314        | 8315      | NS       | 1    | -34.694 | 20.303   | 0.0        | -34.858 | 21.562    | 0.0        | -26.556  | 22.825   | 0.083      | -32.607 | 24.955   | 2.688      | 0.086 | 218.332  | 4.617      | 0.086 | 226.742   | 4.016      | 0.086    | 33.574   | 0.27       | 0.086 | 135.048 | 0.193      |
| 28      | 8314        | 8315      | NS       | 1    | -34.77  | 20.303   | 0.0        | -34.889 | 21.562    | 0.0        | -26.608  | 22.825   | 0.086      | -25.238 | 24.955   | 2.684      | 0.086 | 222.222  | 4.62       | 0.086 | 228.336   | 4.013      | 0.086    | 33.98    | 0.267      | 0.086 | 24.805  | 0.191      |
| 29      | 8315        | 8316      | NS       | 1    | -34.731 | 20.316   | 0.0        | -34.453 | 21.063    | 0.0        | 0.727    | 22.78    | 0.098      | 1.42    | 24.701   | 2.342      | 0.086 | 220.22   | 1.96       | 0.086 | 206.58    | 1.743      | 0.086    | 0.139    | 0.0        | 0.086 | 0.13    | 0.0        |
| 30      | 8320        | 8321      | NS       | 1    | -34.648 | 21.982   | 0.0        | -34.902 | 21.821    | 0.0        | -4.823   | 23.357   | 0.128      | 1.835   | 25.117   | 0.529      | 0.086 | 216.004  | 2.929      | 0.086 | 229.003   | 3.044      | 0.086    | 0.294    | 0.0        | 0.086 | 0.126   | 0.0        |
| 31      | 8320        | 8321      | SN       | 1    | -34.451 | 20.563   | 0.0        | -34.278 | 20.051    | 0.0        | -22.471  | 23.335   | 0.194      | -24.84  | 23.703   | 0.233      | 0.086 | 206.503  | 2.534      | 0.086 | 198.386   | 2.142      | 0.086    | 13.146   | 0.08       | 0.086 | 22.633  | 0.069      |
| 32      | 8320        | 8321      | SN       | 2    | -34.451 | 20.563   | 0.0        | -34.278 | 20.051    | 0.0        | -22.471  | 23.335   | 0.194      | -24.84  | 23.703   | 0.233      | 0.086 | 206.503  | 2.534      | 0.086 | 198.386   | 2.142      | 0.086    | 13.146   | 0.08       | 0.086 | 22.633  | 0.069      |

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

|    |      |      |    |   |         |        |     |         |        |       |         |        |       |         |        |       |       |         |       |       |         |       |       |        |       |       |        |       |
|----|------|------|----|---|---------|--------|-----|---------|--------|-------|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 33 | 8320 | 8321 | SN | 1 | -34.451 | 20.563 | 0.0 | -34.278 | 20.051 | 0.0   | -22.471 | 23.335 | 0.194 | -24.84  | 23.703 | 0.233 | 0.086 | 206.503 | 2.652 | 0.086 | 198.386 | 2.271 | 0.086 | 13.146 | 0.08  | 0.086 | 22.633 | 0.069 |
| 34 | 8320 | 8321 | NS | 1 | -34.974 | 21.982 | 0.0 | -34.77  | 21.819 | 0.0   | -4.831  | 23.357 | 0.128 | 1.835   | 25.117 | 0.53  | 0.086 | 232.855 | 2.922 | 0.086 | 222.222 | 3.042 | 0.086 | 0.295  | 0.0   | 0.086 | 0.126  | 0.0   |
| 35 | 8321 | 8322 | NS | 1 | -34.945 | 21.856 | 0.0 | -34.597 | 22.692 | 0.003 | -10.227 | 23.069 | 0.085 | -6.854  | 23.884 | 0.294 | 0.086 | 231.3   | 3.793 | 0.086 | 213.471 | 3.96  | 0.086 | 0.846  | 0.0   | 0.086 | 0.427  | 0.0   |
| 36 | 8321 | 8322 | SN | 1 | -34.9   | 19.847 | 0.0 | -34.956 | 20.059 | 0.0   | 1.179   | 23.394 | 0.126 | 1.501   | 23.706 | 0.195 | 0.086 | 228.93  | 3.874 | 0.086 | 231.928 | 3.644 | 0.086 | 0.133  | 0.0   | 0.086 | 0.129  | 0.0   |
| 37 | 8321 | 8322 | SN | 1 | -34.9   | 19.847 | 0.0 | -34.956 | 20.059 | 0.0   | 1.179   | 23.394 | 0.126 | 1.501   | 23.706 | 0.195 | 0.086 | 228.93  | 3.965 | 0.086 | 231.928 | 3.712 | 0.086 | 0.133  | 0.0   | 0.086 | 0.129  | 0.0   |
| 38 | 8321 | 8322 | SN | 2 | -34.9   | 19.847 | 0.0 | -34.956 | 20.059 | 0.0   | 1.179   | 23.394 | 0.126 | 1.501   | 23.706 | 0.195 | 0.086 | 228.93  | 3.965 | 0.086 | 231.928 | 3.712 | 0.086 | 0.133  | 0.0   | 0.086 | 0.129  | 0.0   |
| 39 | 8321 | 8322 | NS | 1 | -34.622 | 21.856 | 0.0 | -34.306 | 22.692 | 0.003 | -10.213 | 23.069 | 0.085 | -6.856  | 23.884 | 0.294 | 0.086 | 214.739 | 3.794 | 0.086 | 199.692 | 3.968 | 0.086 | 0.844  | 0.0   | 0.086 | 0.427  | 0.0   |
| 40 | 8322 | 8323 | SN | 1 | -34.598 | 19.072 | 0.0 | -34.782 | 19.618 | 0.0   | 2.127   | 23.286 | 0.287 | 2.824   | 23.366 | 0.422 | 0.086 | 213.581 | 1.657 | 0.086 | 222.861 | 1.387 | 0.086 | 0.123  | 0.0   | 0.086 | 0.117  | 0.0   |
| 41 | 8322 | 8323 | NS | 1 | -34.957 | 18.99  | 0.0 | -34.289 | 16.165 | 0.0   | -9.078  | 22.616 | 0.031 | -25.513 | 23.453 | 0.209 | 0.086 | 231.964 | 5.095 | 0.087 | 198.885 | 4.783 | 0.086 | 0.665  | 0.0   | 0.086 | 26.421 | 0.031 |
| 42 | 8322 | 8323 | SN | 1 | -34.598 | 19.072 | 0.0 | -34.782 | 19.618 | 0.0   | 2.127   | 23.286 | 0.287 | 2.824   | 23.366 | 0.421 | 0.086 | 213.581 | 1.625 | 0.086 | 222.861 | 1.369 | 0.086 | 0.123  | 0.0   | 0.086 | 0.117  | 0.0   |
| 43 | 8322 | 8323 | NS | 1 | -34.882 | 18.99  | 0.0 | -34.765 | 16.165 | 0.0   | -9.073  | 22.611 | 0.032 | -25.448 | 23.453 | 0.211 | 0.086 | 227.988 | 5.087 | 0.087 | 221.955 | 4.788 | 0.086 | 0.664  | 0.0   | 0.086 | 26.025 | 0.031 |
| 44 | 8322 | 8323 | SN | 2 | -34.598 | 19.072 | 0.0 | -34.782 | 19.618 | 0.0   | 2.127   | 23.286 | 0.287 | 2.824   | 23.366 | 0.421 | 0.086 | 213.581 | 1.625 | 0.086 | 222.861 | 1.369 | 0.086 | 0.123  | 0.0   | 0.086 | 0.117  | 0.0   |
| 45 | 8323 | 8324 | SN | 1 | -33.879 | 19.293 | 0.0 | -34.713 | 20.118 | 0.0   | 1.509   | 23.324 | 0.407 | 2.556   | 23.898 | 0.886 | 0.086 | 181.014 | 2.139 | 0.086 | 219.27  | 2.02  | 0.086 | 0.129  | 0.0   | 0.086 | 0.119  | 0.0   |
| 46 | 8323 | 8324 | SN | 1 | -33.879 | 19.293 | 0.0 | -34.713 | 20.118 | 0.0   | 1.509   | 23.324 | 0.408 | 2.556   | 23.898 | 0.92  | 0.086 | 181.014 | 2.187 | 0.086 | 219.27  | 2.053 | 0.086 | 0.129  | 0.0   | 0.086 | 0.119  | 0.0   |
| 47 | 8323 | 8324 | NS | 2 | -33.86  | 18.772 | 0.0 | -33.61  | 19.816 | 0.0   | -17.857 | 23.434 | 0.059 | -24.809 | 23.542 | 0.154 | 0.086 | 180.195 | 2.858 | 0.086 | 170.118 | 3.183 | 0.086 | 4.586  | 0.011 | 0.086 | 22.478 | 0.032 |
| 48 | 8323 | 8324 | NS | 1 | -33.8   | 18.772 | 0.0 | -33.61  | 19.816 | 0.0   | -17.86  | 23.434 | 0.059 | -24.809 | 23.542 | 0.154 | 0.086 | 177.75  | 2.858 | 0.086 | 170.118 | 3.183 | 0.086 | 4.588  | 0.011 | 0.086 | 22.478 | 0.032 |
| 49 | 8323 | 8324 | SN | 1 | -33.879 | 19.293 | 0.0 | -34.755 | 20.118 | 0.0   | 1.509   | 23.324 | 0.407 | 2.556   | 23.898 | 0.886 | 0.086 | 181.014 | 2.137 | 0.086 | 221.423 | 2.015 | 0.086 | 0.129  | 0.0   | 0.086 | 0.119  | 0.0   |
| 50 | 8324 | 8325 | SN | 1 | -34.509 | 19.669 | 0.0 | -34.718 | 19.878 | 0.0   | 1.037   | 22.467 | 0.117 | 3.438   | 23.041 | 0.751 | 0.086 | 209.247 | 1.674 | 0.086 | 219.507 | 1.809 | 0.086 | 0.135  | 0.0   | 0.086 | 0.113  | 0.0   |
| 51 | 8324 | 8325 | SN | 1 | -34.645 | 19.669 | 0.0 | -34.718 | 19.878 | 0.0   | 1.037   | 22.467 | 0.117 | 3.438   | 23.041 | 0.751 | 0.086 | 215.849 | 1.671 | 0.086 | 219.507 | 1.804 | 0.086 | 0.135  | 0.0   | 0.086 | 0.113  | 0.0   |
| 52 | 8324 | 8325 | SN | 1 | -34.509 | 19.669 | 0.0 | -34.718 | 19.878 | 0.0   | 1.037   | 22.467 | 0.123 | 3.438   | 23.041 | 0.794 | 0.086 | 209.247 | 1.718 | 0.086 | 219.507 | 1.86  | 0.086 | 0.135  | 0.0   | 0.086 | 0.113  | 0.0   |
| 53 | 8324 | 8325 | NS | 1 | -34.256 | 15.241 | 0.0 | -34.272 | 15.902 | 0.0   | -12.775 | 22.899 | 0.05  | -16.58  | 22.996 | 0.163 | 0.087 | 197.406 | 3.49  | 0.087 | 198.114 | 3.916 | 0.086 | 1.468  | 0.005 | 0.086 | 3.434  | 0.005 |
| 54 | 8325 | 8326 | NS | 1 | -34.666 | 19.092 | 0.0 | -33.949 | 19.313 | 0.0   | -20.742 | 23.052 | 0.152 | -19.707 | 23.28  | 0.459 | 0.086 | 216.979 | 2.987 | 0.086 | 183.89  | 3.124 | 0.086 | 8.851  | 0.117 | 0.086 | 6.988  | 0.041 |
| 55 | 8325 | 8326 | NS | 1 | -34.673 | 19.092 | 0.0 | -34.004 | 19.313 | 0.0   | -20.746 | 23.052 | 0.152 | -19.705 | 23.281 | 0.456 | 0.086 | 217.251 | 2.986 | 0.086 | 186.301 | 3.121 | 0.086 | 8.859  | 0.117 | 0.086 | 6.984  | 0.041 |
| 56 | 8325 | 8326 | SN | 1 | -34.943 | 17.234 | 0.0 | -34.97  | 17.019 | 0.0   | -17.286 | 22.772 | 0.112 | -0.697  | 22.458 | 0.068 | 0.087 | 231.22  | 3.181 | 0.087 | 232.646 | 2.753 | 0.086 | 4.029  | 0.008 | 0.086 | 0.161  | 0.0   |
| 57 | 8325 | 8326 | SN | 1 | -34.943 | 17.234 | 0.0 | -34.97  | 17.019 | 0.0   | -17.286 | 22.772 | 0.101 | -0.697  | 22.458 | 0.067 | 0.087 | 231.22  | 3.08  | 0.087 | 232.646 | 2.615 | 0.086 | 4.029  | 0.007 | 0.086 | 0.161  | 0.0   |
| 58 | 8325 | 8326 | SN | 2 | -34.864 | 17.234 | 0.0 | -34.97  | 17.019 | 0.0   | -17.286 | 22.772 | 0.101 | -0.697  | 22.458 | 0.067 | 0.087 | 227.074 | 3.082 | 0.087 | 232.646 | 2.613 | 0.086 | 4.029  | 0.007 | 0.086 | 0.161  | 0.0   |
| 59 | 8326 | 8327 | NS | 1 | -34.014 | 19.992 | 0.0 | -34.618 | 21.101 | 0.0   | 3.571   | 23.034 | 0.348 | 2.622   | 23.567 | 0.957 | 0.086 | 186.663 | 1.202 | 0.086 | 214.558 | 1.206 | 0.086 | 0.112  | 0.0   | 0.086 | 0.119  | 0.0   |
| 60 | 8326 | 8327 | SN | 2 | -33.355 | 19.18  | 0.0 | -34.532 | 18.787 | 0.0   | -0.776  | 24.246 | 0.829 | -2.501  | 24.444 | 1.371 | 0.086 | 160.431 | 1.957 | 0.086 | 210.322 | 1.659 | 0.086 | 0.163  | 0.0   | 0.086 | 0.204  | 0.0   |
| 61 | 8326 | 8327 | SN | 1 | -33.355 | 19.18  | 0.0 | -34.532 | 18.787 | 0.0   | -0.776  | 24.246 | 0.89  | -2.501  | 24.444 | 1.376 | 0.086 | 160.431 | 2.084 | 0.086 | 210.322 | 1.753 | 0.086 | 0.163  | 0.0   | 0.086 | 0.204  | 0.0   |
| 62 | 8326 | 8327 | NS | 1 | -34.014 | 19.992 | 0.0 | -34.665 | 21.101 | 0.0   | 3.589   | 23.029 | 0.355 | 2.621   | 23.567 | 0.962 | 0.086 | 186.663 | 1.202 | 0.086 | 216.886 | 1.206 | 0.086 | 0.112  | 0.0   | 0.086 | 0.119  | 0.0   |
| 63 | 8326 | 8327 | SN | 1 | -33.355 | 19.18  | 0.0 | -34.532 | 18.787 | 0.0   | -0.776  | 24.246 | 0.829 | -2.501  | 24.444 | 1.371 | 0.086 | 160.431 | 1.957 | 0.086 | 210.322 | 1.659 | 0.086 | 0.163  | 0.0   | 0.086 | 0.204  | 0.0   |
| 64 | 8327 | 8328 | NS | 1 | -33.158 | 19.598 | 0.0 | -33.429 | 19.984 | 0.0   | 1.654   | 23.015 | 0.156 | -4.214  | 23.809 | 0.989 | 0.086 | 153.331 | 1.328 | 0.086 | 163.193 | 1.174 | 0.086 | 0.128  | 0.0   | 0.086 | 0.265  | 0.0   |
| 65 | 8327 | 8328 | NS | 1 | -32.078 | 19.599 | 0.0 | -34.663 | 19.984 | 0.0   | 1.654   | 23.015 | 0.156 | -4.214  | 23.81  | 0.991 | 0.086 | 119.56  | 1.33  | 0.086 | 216.773 | 1.176 | 0.086 | 0.128  | 0.0   | 0.086 | 0.265  | 0.0   |
| 66 | 8327 | 8328 | SN | 1 | -34.648 | 20.91  | 0.0 | -34.985 | 21.388 | 0.0   | -9.692  | 23.926 | 0.686 | -7.199  | 24.178 | 1.346 | 0.086 | 216.064 | 5.008 | 0.086 | 233.496 | 4.632 | 0.086 | 0.756  | 0.0   | 0.086 | 0.456  | 0.0   |
| 67 | 8327 | 8328 | SN | 2 | -34.314 | 20.91  | 0.0 | -34.765 | 21.388 | 0.0   | -9.692  | 23.926 | 0.686 | -7.199  | 24.178 | 1.345 | 0.086 | 200.065 | 5.006 | 0.086 | 221.948 | 4.632 | 0.086 | 0.756  | 0.0   | 0.086 | 0.456  | 0.0   |
| 68 | 8327 | 8328 | SN | 1 | -34.648 | 20.91  | 0.0 | -34.985 | 21.388 | 0.0   | -9.692  | 23.926 | 0.751 | -7.199  | 24.178 | 1.303 | 0.086 | 216.064 | 5.215 | 0.086 | 233.496 | 5.188 | 0.086 | 0.756  | 0.0   | 0.086 | 0.456  | 0.0   |
| 69 | 8328 | 8329 | SN | 1 | -34.979 | 20.758 | 0.0 | -34.374 | 19.508 | 0.0   | -29.722 | 23.646 | 0.579 | -5.08   | 24.457 | 0.552 | 0.086 | 233.168 | 3.441 | 0.086 | 202.867 | 2.801 | 0.086 | 69.534 | 0.04  | 0.086 | 0.308  | 0.0   |

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

■ Normal      ■ Deviations  
■ Alarming      ■ High Errors


|    |      |      |    |   |         |        |       |         |        |       |         |        |       |         |        |       |       |         |       |       |         |       |       |         |       |       |         |       |
|----|------|------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|
| 70 | 8328 | 8329 | NS | 1 | -34.188 | 21.666 | 0.0   | -34.646 | 19.841 | 0.0   | -31.803 | 22.545 | 0.056 | -20.542 | 24.503 | 2.446 | 0.086 | 194.321 | 2.429 | 0.086 | 215.974 | 2.241 | 0.086 | 112.226 | 0.116 | 0.086 | 8.455   | 0.061 |
| 71 | 8328 | 8329 | NS | 1 | -33.348 | 21.666 | 0.0   | -34.966 | 19.842 | 0.0   | -24.722 | 22.545 | 0.056 | -20.692 | 24.503 | 2.443 | 0.086 | 160.172 | 2.43  | 0.086 | 232.479 | 2.242 | 0.086 | 22.031  | 0.112 | 0.086 | 8.749   | 0.061 |
| 72 | 8329 | 8330 | NS | 1 | -33.936 | 19.298 | 0.0   | -34.725 | 20.209 | 0.0   | -34.636 | 22.811 | 0.039 | -23.988 | 24.494 | 2.276 | 0.086 | 183.356 | 2.931 | 0.086 | 219.946 | 3.105 | 0.086 | 215.38  | 0.166 | 0.086 | 18.616  | 0.159 |
| 73 | 8329 | 8330 | NS | 1 | -33.952 | 19.298 | 0.0   | -34.813 | 20.22  | 0.0   | -29.889 | 22.811 | 0.037 | -30.627 | 24.494 | 2.277 | 0.086 | 184.04  | 2.936 | 0.086 | 224.391 | 3.115 | 0.086 | 72.266  | 0.163 | 0.086 | 85.622  | 0.162 |
| 74 | 8329 | 8330 | SN | 1 | -34.829 | 22.126 | 0.001 | -34.711 | 22.102 | 0.002 | -28.013 | 23.874 | 0.744 | -31.968 | 23.744 | 0.248 | 0.086 | 225.255 | 6.612 | 0.086 | 219.194 | 5.568 | 0.086 | 46.925  | 0.069 | 0.086 | 116.609 | 0.133 |
| 75 | 8330 | 8331 | NS | 1 | -34.864 | 18.625 | 0.0   | -34.481 | 21.213 | 0.0   | 1.116   | 23.103 | 0.184 | 1.103   | 24.59  | 2.651 | 0.086 | 227.051 | 2.234 | 0.086 | 207.902 | 1.94  | 0.086 | 0.134   | 0.0   | 0.086 | 0.134   | 0.0   |

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

 Normal

 Deviations

 Alarming

 High Errors