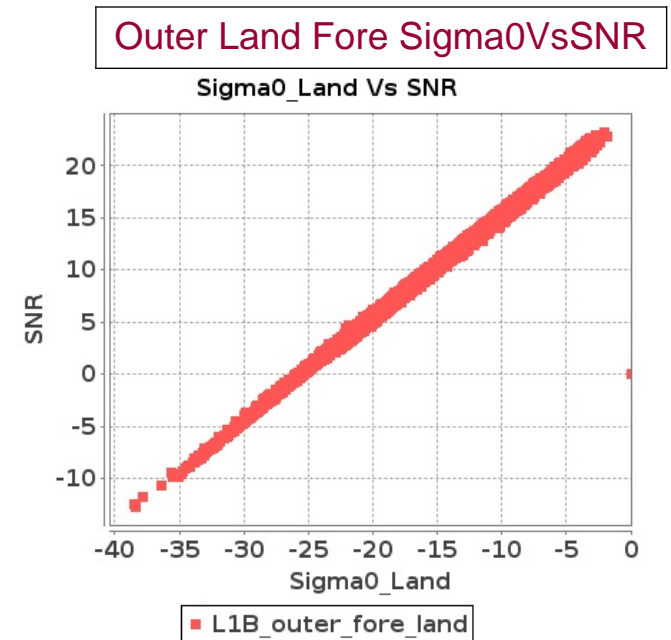
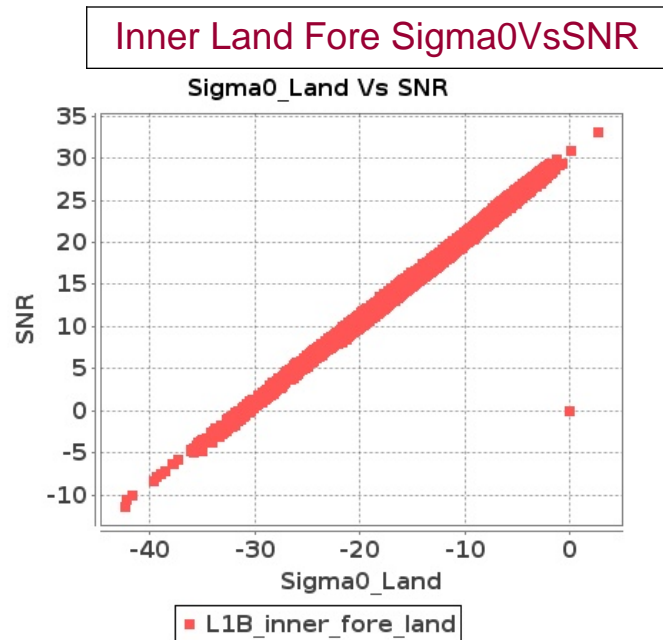
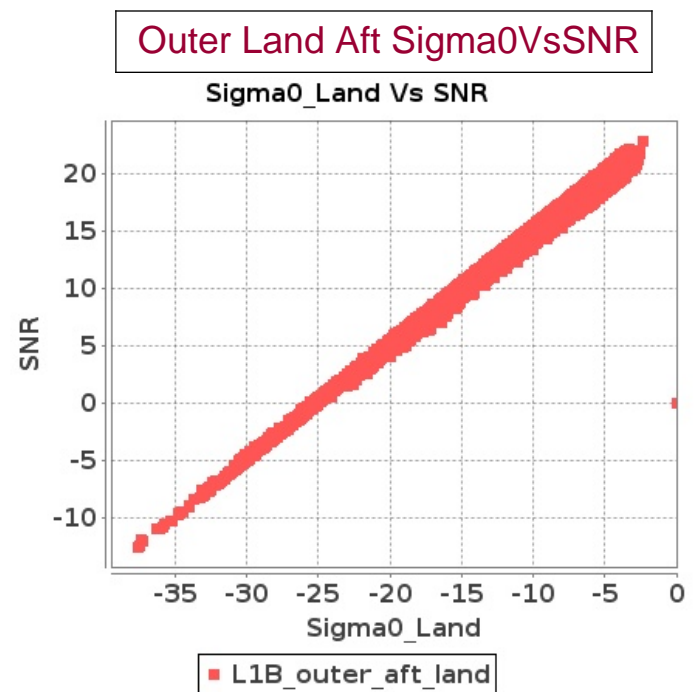
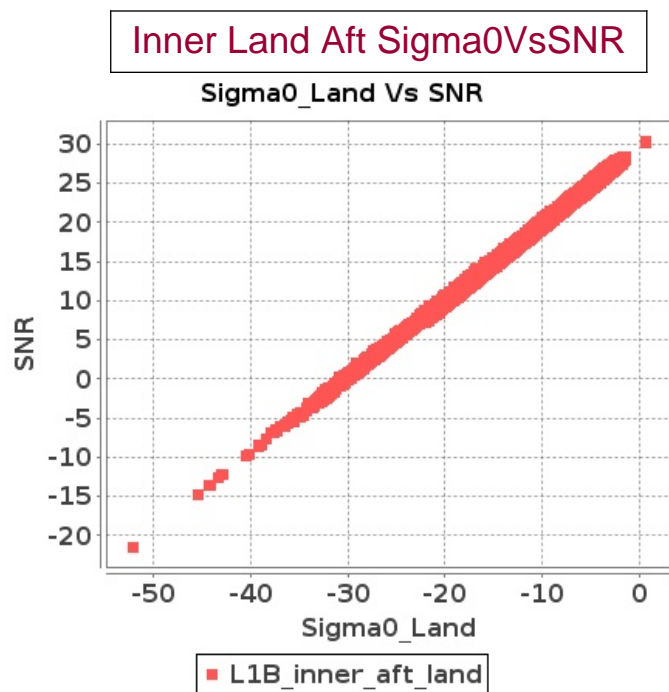
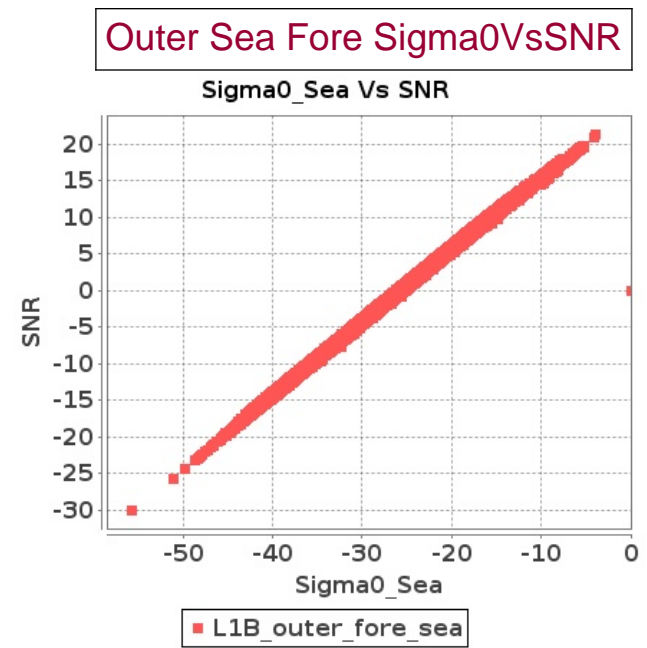
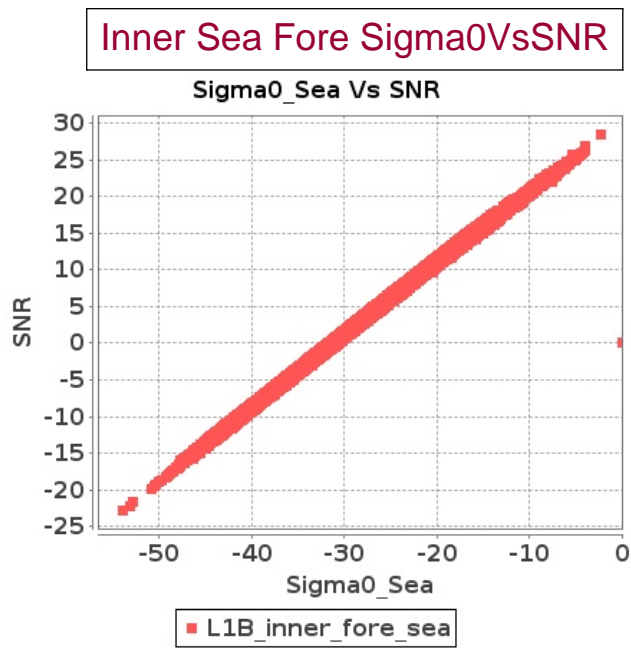
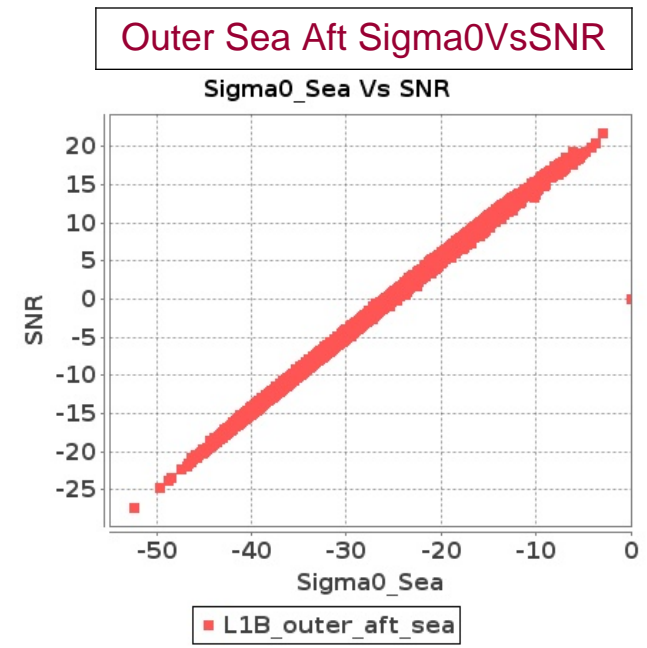
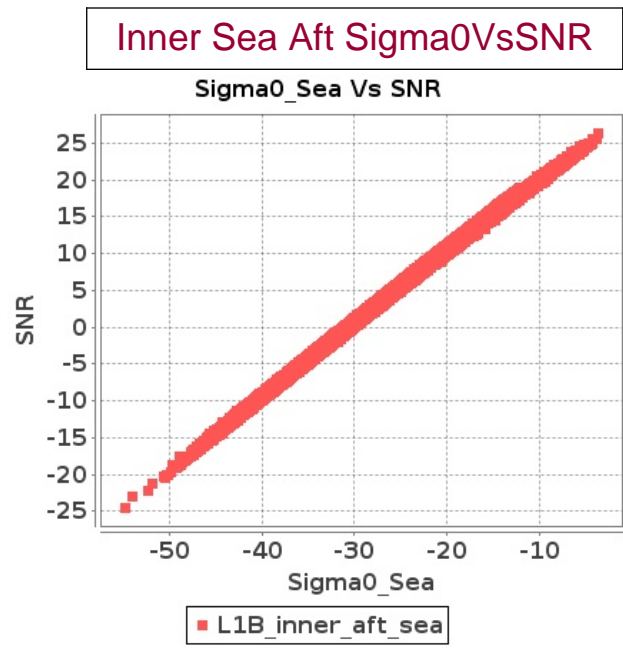
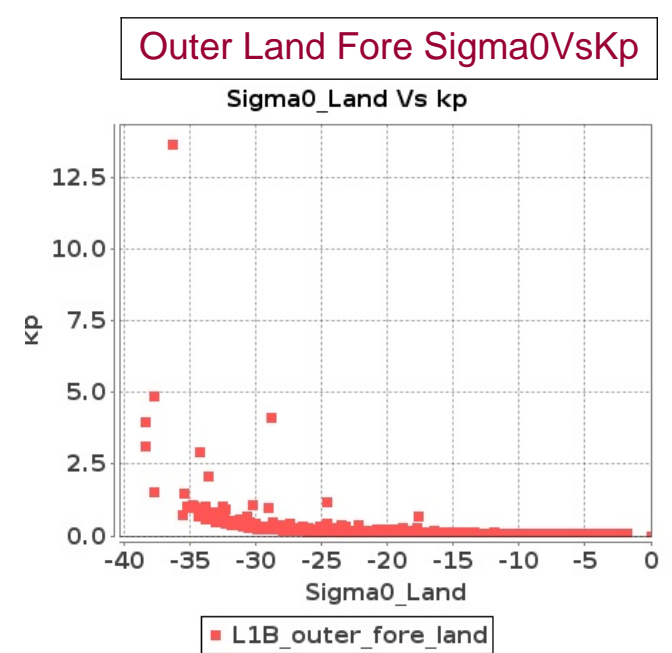
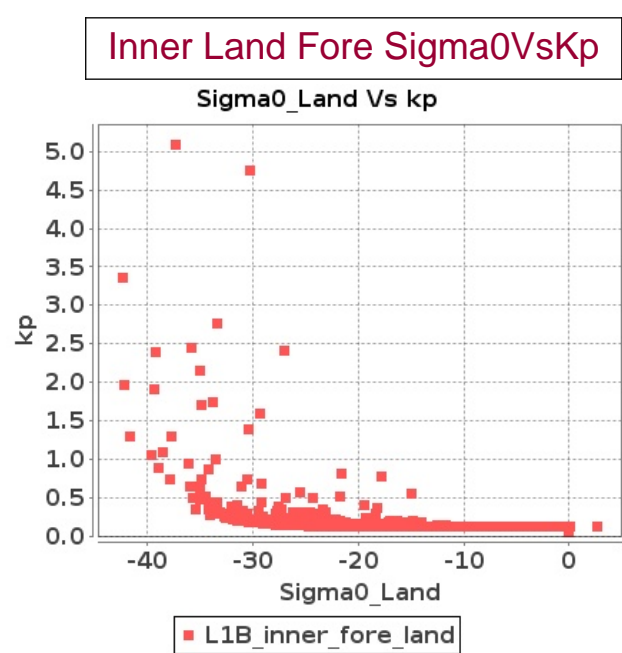
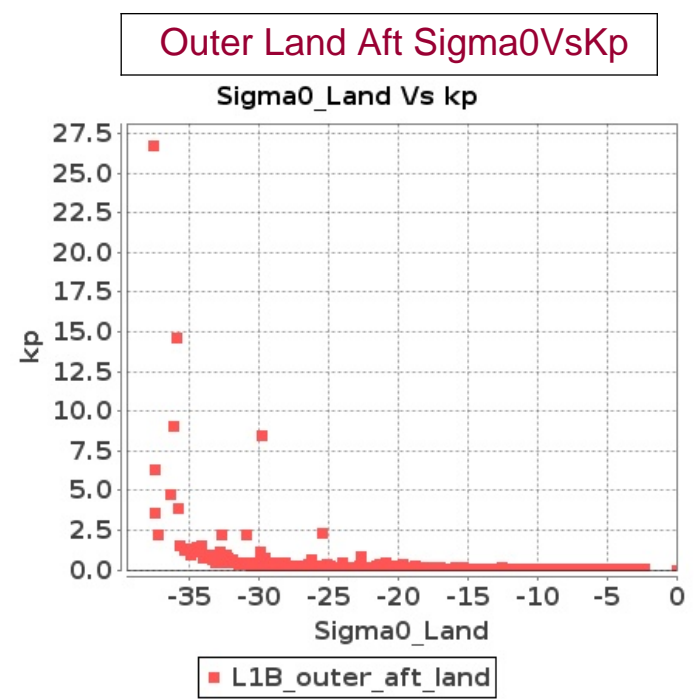
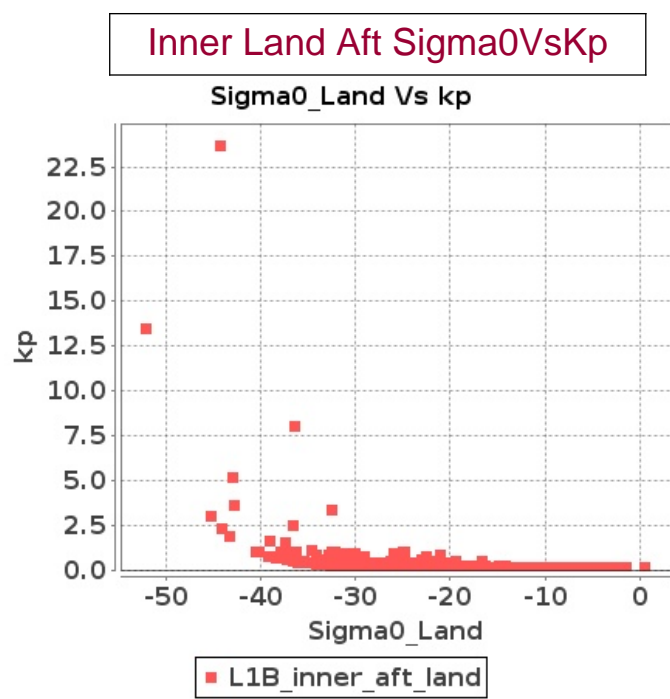
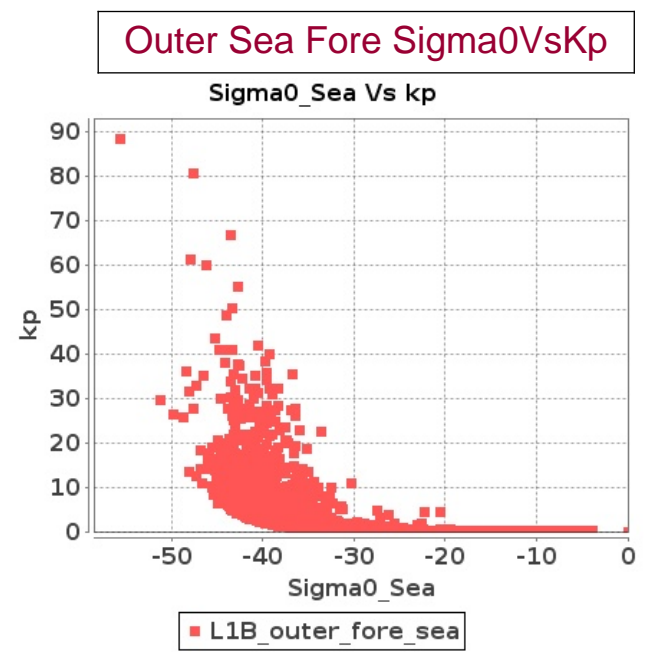
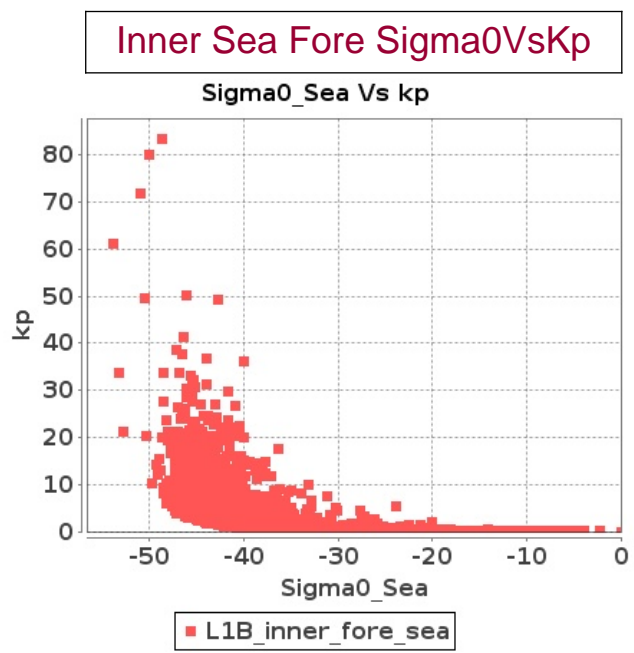
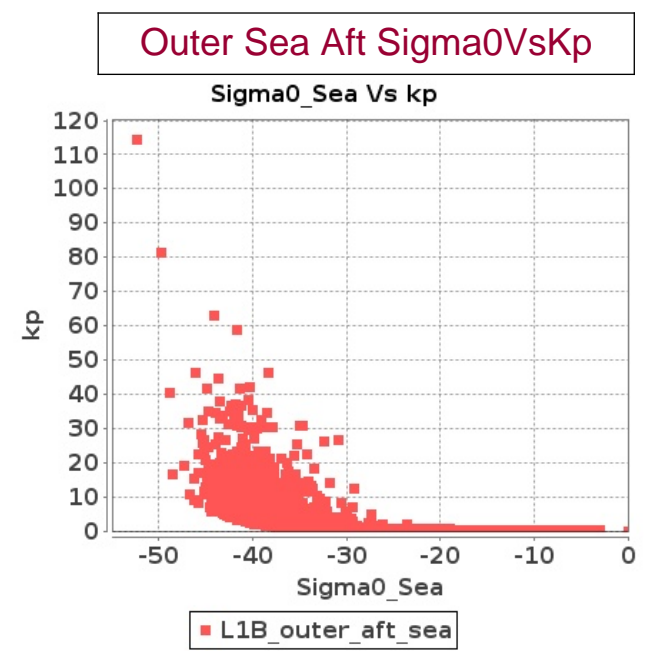
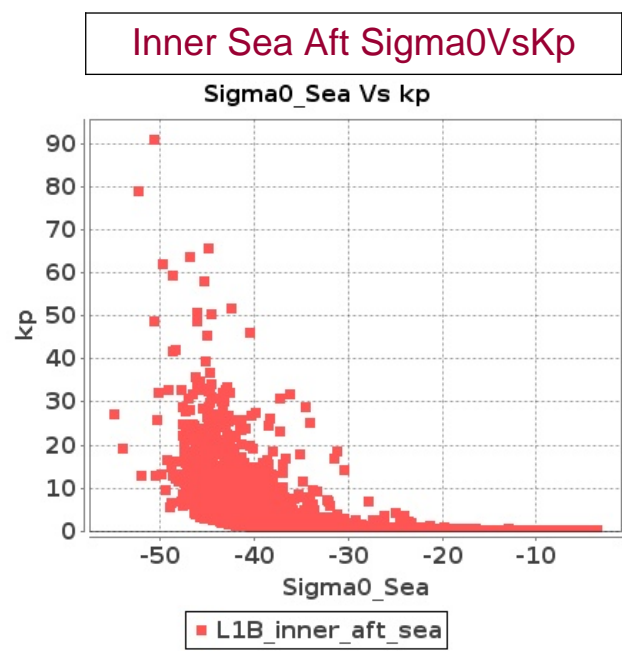


# SCATSAT-1 Scatterometer Level-1B Data Quality Cycle wise Report

Report between 06-FEB-2019 To 07-FEB-2019





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

Report between 06-FEB-2019 To 07-FEB-2019





|       |             |           |      |      | Inner           |        |           |               |         |           |          |          |           |          |         |           |
|-------|-------------|-----------|------|------|-----------------|--------|-----------|---------------|---------|-----------|----------|----------|-----------|----------|---------|-----------|
|       |             |           |      |      | Incidence Angle |        |           | Azimuth Angle |         |           | Range    |          |           | X-Factor |         |           |
| Sr No | Start Orbit | End Orbit | Dir. | Ver. | Min             | Max    | BadOcc(%) | Min           | Max     | BadOcc(%) | Min      | Max      | BadOcc(%) | Min      | Max     | BadOcc(%) |
| 1     | 12510       | 12511     | SN   | 2    | 48.728          | 49.521 | 0.0       | 0.0           | 146.021 | 2.265     | 1027.992 | 1100.416 | 10.714    | -91.993  | -89.864 | 0.0       |
| 2     | 12510       | 12511     | SN   | 1    | 48.728          | 49.521 | 0.0       | 0.0           | 146.021 | 2.898     | 1027.992 | 1100.416 | 10.307    | -91.993  | -89.864 | 0.0       |
| 3     | 12510       | 12511     | SN   | 1    | 48.728          | 49.521 | 0.0       | 0.0           | 146.021 | 2.265     | 1027.992 | 1100.416 | 10.714    | -91.993  | -89.864 | 0.0       |
| 4     | 12511       | 12512     | SN   | 2    | 48.728          | 49.552 | 0.0       | 0.008         | 6.916   | 2.617     | 1027.84  | 1100.368 | 9.776     | -91.89   | -89.862 | 0.0       |
| 5     | 12511       | 12512     | SN   | 1    | 48.728          | 49.552 | 0.0       | 0.008         | 6.916   | 2.474     | 1027.84  | 1100.368 | 9.899     | -91.89   | -89.862 | 0.0       |
| 6     | 12511       | 12512     | SN   | 1    | 48.728          | 49.552 | 0.0       | 0.008         | 6.916   | 2.617     | 1027.84  | 1100.368 | 9.776     | -91.89   | -89.862 | 0.0       |
| 7     | 12511       | 12512     | NS   | 1    | 48.644          | 49.468 | 0.0       | 0.0           | 264.224 | 2.687     | 1024.592 | 1099.824 | 9.672     | -91.759  | -89.774 | 0.0       |
| 8     | 12512       | 12513     | NS   | 2    | 48.65           | 49.418 | 0.0       | 0.003         | 13.765  | 2.531     | 1024.832 | 1100.024 | 9.15      | -91.893  | -89.71  | 0.0       |
| 9     | 12512       | 12513     | NS   | 1    | 48.65           | 49.418 | 0.0       | 0.003         | 13.765  | 2.532     | 1024.84  | 1100.008 | 9.112     | -91.893  | -89.71  | 0.0       |
| 10    | 12512       | 12513     | SN   | 1    | 48.726          | 49.535 | 0.0       | 0.003         | 282.274 | 2.391     | 1027.552 | 1100.504 | 9.0       | -91.943  | -89.844 | 0.0       |
| 11    | 12512       | 12513     | SN   | 1    | 48.726          | 49.535 | 0.0       | 0.003         | 282.274 | 2.505     | 1027.552 | 1100.504 | 8.908     | -91.943  | -89.844 | 0.0       |
| 12    | 12513       | 12514     | SN   | 1    | 48.662          | 49.552 | 0.0       | 0.003         | 6.91    | 2.856     | 1026.28  | 1100.408 | 8.881     | -91.945  | -89.867 | 0.0       |
| 13    | 12513       | 12514     | SN   | 1    | 48.662          | 49.552 | 0.0       | 0.003         | 6.91    | 2.573     | 1026.28  | 1100.408 | 9.011     | -91.945  | -89.867 | 0.0       |
| 14    | 12513       | 12514     | SN   | 1    | 48.662          | 49.552 | 0.0       | 0.003         | 6.91    | 2.757     | 1026.28  | 1100.408 | 8.895     | -91.945  | -89.867 | 0.0       |
| 15    | 12513       | 12514     | NS   | 1    | 48.651          | 49.473 | 0.0       | 0.003         | 18.547  | 2.605     | 1024.992 | 1099.968 | 8.844     | -91.95   | -89.765 | 0.0       |
| 16    | 12514       | 12515     | NS   | 2    | 48.642          | 49.453 | 0.0       | 0.0           | 267.136 | 2.656     | 1024.976 | 1099.816 | 8.471     | -91.918  | -89.77  | 0.0       |
| 17    | 12514       | 12515     | SN   | 1    | 48.716          | 49.564 | 0.0       | 0.0           | 223.683 | 2.667     | 1027.032 | 1100.264 | 8.795     | -92.29   | -89.86  | 0.0       |
| 18    | 12514       | 12515     | SN   | 1    | 48.722          | 49.544 | 0.0       | 0.0           | 223.683 | 2.72      | 1027.32  | 1100.264 | 8.796     | -92.29   | -89.86  | 0.0       |
| 19    | 12514       | 12515     | SN   | 1    | 48.716          | 49.564 | 0.0       | 0.0           | 223.683 | 2.804     | 1027.032 | 1100.264 | 8.723     | -92.29   | -89.86  | 0.0       |
| 20    | 12514       | 12515     | NS   | 1    | 48.642          | 49.453 | 0.0       | 0.0           | 267.136 | 2.657     | 1024.968 | 1099.816 | 8.466     | -91.918  | -89.77  | 0.0       |
| 21    | 12515       | 12516     | NS   | 1    | 48.652          | 49.459 | 0.0       | 0.0           | 62.022  | 2.797     | 1025.168 | 1099.736 | 9.114     | -91.96   | -89.785 | 0.0       |
| 22    | 12515       | 12516     | SN   | 1    | 48.723          | 49.529 | 0.0       | 0.003         | 6.226   | 2.399     | 1027.296 | 1100.176 | 7.811     | -91.939  | -89.853 | 0.0       |
| 23    | 12515       | 12516     | SN   | 1    | 48.723          | 49.529 | 0.0       | 0.003         | 6.226   | 2.239     | 1027.296 | 1100.176 | 7.895     | -91.939  | -89.853 | 0.0       |
| 24    | 12515       | 12516     | SN   | 1    | 48.723          | 49.529 | 0.0       | 0.003         | 6.226   | 2.397     | 1027.296 | 1100.176 | 7.804     | -91.939  | -89.853 | 0.0       |
| 25    | 12515       | 12516     | NS   | 1    | 48.652          | 49.467 | 0.0       | 0.0           | 62.022  | 2.8       | 1025.168 | 1099.736 | 9.124     | -91.973  | -89.785 | 0.0       |
| 26    | 12516       | 12517     | NS   | 1    | 48.635          | 49.476 | 0.0       | 0.003         | 266.827 | 2.59      | 1024.68  | 1099.664 | 7.86      | -91.947  | -89.794 | 0.0       |
| 27    | 12516       | 12517     | SN   | 1    | 48.668          | 49.52  | 0.0       | 0.003         | 6.899   | 1.812     | 1026.256 | 1100.12  | 9.655     | -91.995  | -89.845 | 0.0       |
| 28    | 12516       | 12517     | SN   | 1    | 48.668          | 49.52  | 0.0       | 0.003         | 6.899   | 2.668     | 1026.256 | 1100.12  | 9.14      | -91.995  | -89.845 | 0.0       |
| 29    | 12516       | 12517     | SN   | 2    | 48.668          | 49.52  | 0.0       | 0.003         | 6.899   | 2.668     | 1026.256 | 1100.12  | 9.14      | -91.995  | -89.845 | 0.0       |
| 30    | 12516       | 12517     | NS   | 1    | 48.634          | 49.468 | 0.0       | 0.003         | 264.152 | 2.593     | 1024.672 | 1099.672 | 7.858     | -91.955  | -89.794 | 0.0       |
| 31    | 12517       | 12518     | SN   | 1    | 48.724          | 49.526 | 0.0       | 0.003         | 6.182   | 1.477     | 1027.456 | 1100.272 | 9.43      | -91.923  | -89.841 | 0.0       |
| 32    | 12517       | 12518     | SN   | 1    | 48.724          | 49.526 | 0.0       | 0.003         | 6.182   | 2.453     | 1027.456 | 1100.272 | 8.823     | -91.923  | -89.841 | 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 | 12517 | 12518 | SN | 2 | 48.724 | 49.526 | 0.0 | 0.003 | 6.182   | 2.454 | 1027.456 | 1100.272 | 8.823  | -91.923 | -89.841 | 0.0 |
| 34 | 12517 | 12518 | NS | 1 | 48.65  | 49.413 | 0.0 | 0.0   | 206.901 | 2.964 | 1025.032 | 1099.824 | 8.116  | -91.825 | -89.796 | 0.0 |
| 35 | 12517 | 12518 | NS | 1 | 48.65  | 49.413 | 0.0 | 0.0   | 206.901 | 2.961 | 1025.032 | 1099.824 | 8.108  | -91.922 | -89.796 | 0.0 |
| 36 | 12518 | 12519 | NS | 1 | 48.599 | 49.449 | 0.0 | 0.0   | 267.163 | 3.191 | 1024.632 | 1099.88  | 8.824  | -92.893 | -89.785 | 0.0 |
| 37 | 12518 | 12519 | SN | 1 | 48.711 | 49.524 | 0.0 | 0.0   | 281.816 | 2.541 | 1027.376 | 1100.32  | 8.772  | -92.903 | -89.798 | 0.0 |
| 38 | 12518 | 12519 | NS | 2 | 48.599 | 49.449 | 0.0 | 0.0   | 160.112 | 3.188 | 1024.624 | 1099.896 | 8.83   | -92.892 | -89.785 | 0.0 |
| 39 | 12518 | 12519 | SN | 1 | 48.719 | 49.524 | 0.0 | 0.0   | 281.816 | 2.429 | 1027.552 | 1100.32  | 8.833  | -92.903 | -89.798 | 0.0 |
| 40 | 12519 | 12520 | NS | 2 | 48.652 | 49.469 | 0.0 | 0.003 | 12.844  | 2.775 | 1025.272 | 1099.816 | 9.056  | -92.023 | -89.791 | 0.0 |
| 41 | 12519 | 12520 | NS | 1 | 48.652 | 49.469 | 0.0 | 0.003 | 12.844  | 2.775 | 1025.264 | 1099.824 | 9.065  | -92.023 | -89.791 | 0.0 |
| 42 | 12519 | 12520 | SN | 1 | 48.625 | 49.674 | 0.0 | 0.0   | 259.541 | 15.63 | 1027.592 | 1100.28  | 28.405 | -94.524 | -89.866 | 0.0 |
| 43 | 12520 | 12521 | SN | 1 | 48.725 | 49.507 | 0.0 | 0.0   | 160.812 | 2.701 | 1027.368 | 1100.168 | 7.963  | -91.672 | -89.838 | 0.0 |
| 44 | 12521 | 12522 | SN | 1 | 48.678 | 49.531 | 0.0 | 0.003 | 5.62    | 2.296 | 1026.392 | 1100.24  | 8.525  | -91.78  | -89.832 | 0.0 |
| 45 | 12522 | 12523 | NS | 1 | 48.652 | 49.406 | 0.0 | 0.0   | 206.901 | 2.762 | 1025.16  | 1099.824 | 8.926  | -91.842 | -89.798 | 0.0 |
| 46 | 12522 | 12523 | NS | 1 | 48.652 | 49.452 | 0.0 | 0.0   | 206.901 | 2.129 | 1025.16  | 1098.136 | 4.098  | -91.936 | -89.798 | 0.0 |
| 47 | 12522 | 12523 | SN | 1 | 48.716 | 49.51  | 0.0 | 0.0   | 216.635 | 2.76  | 1027.16  | 1100.264 | 9.92   | -91.825 | -89.841 | 0.0 |
| 48 | 12523 | 12524 | SN | 1 | 48.724 | 49.541 | 0.0 | 0.003 | 6.905   | 2.687 | 1027.152 | 1100.352 | 9.713  | -91.927 | -89.845 | 0.0 |
| 49 | 12523 | 12524 | NS | 1 | 48.65  | 49.474 | 0.0 | 0.0   | 267.141 | 1.645 | 1025.064 | 1096.504 | 0.407  | -91.764 | -89.797 | 0.0 |
| 50 | 12523 | 12524 | NS | 1 | 48.65  | 49.467 | 0.0 | 0.0   | 267.141 | 2.614 | 1025.064 | 1099.52  | 8.309  | -92.183 | -89.797 | 0.0 |
| 51 | 12524 | 12525 | NS | 1 | 48.65  | 49.457 | 0.0 | 0.003 | 267.268 | 2.58  | 1025.072 | 1099.968 | 9.662  | -91.876 | -89.798 | 0.0 |
| 52 | 12524 | 12525 | NS | 1 | 48.65  | 49.408 | 0.0 | 0.003 | 267.268 | 1.533 | 1025.072 | 1092.288 | 0.0    | -91.769 | -89.798 | 0.0 |
| 53 | 12524 | 12525 | SN | 1 | 48.686 | 49.566 | 0.0 | 0.003 | 6.905   | 1.758 | 1026.488 | 1100.392 | 10.424 | -91.988 | -89.858 | 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     | 12510       | 12511     | SN      | 2    | -34.694 | 25.413   | 0.983      | -34.711 | 26.123   | 4.043      | -2.954  | 28.546    | 14.683     | -5.134  | 30.122  | 23.846     | 0.116 | 285.706  | 4.356      | 0.116 | 286.798  | 3.329      | 0.116 | 0.29      | 0.0        | 0.116 | 0.412 | 0.0        |
| 2     | 12510       | 12511     | SN      | 1    | -34.694 | 25.413   | 2.947      | -34.711 | 26.131   | 4.832      | -2.954  | 28.546    | 14.768     | -5.134  | 30.122  | 23.847     | 0.116 | 285.706  | 4.128      | 0.116 | 286.798  | 3.026      | 0.116 | 0.29      | 0.0        | 0.116 | 0.412 | 0.0        |
| 3     | 12510       | 12511     | SN      | 1    | -34.694 | 25.413   | 0.983      | -34.711 | 26.123   | 4.043      | -2.954  | 28.546    | 14.683     | -5.134  | 30.122  | 23.846     | 0.116 | 285.706  | 4.356      | 0.116 | 286.798  | 3.329      | 0.116 | 0.29      | 0.0        | 0.116 | 0.412 | 0.0        |
| 4     | 12511       | 12512     | SN      | 2    | -34.391 | 28.016   | 2.994      | -34.869 | 28.739   | 4.096      | 7.452   | 33.4      | 11.895     | 8.108   | 29.673  | 13.472     | 0.116 | 266.386  | 4.94       | 0.116 | 297.451  | 4.142      | 0.116 | 0.13      | 0.0        | 0.116 | 0.128 | 0.0        |
| 5     | 12511       | 12512     | SN      | 1    | -34.391 | 28.016   | 2.865      | -34.869 | 28.739   | 4.178      | 7.452   | 33.4      | 11.895     | 8.108   | 29.673  | 13.472     | 0.116 | 266.386  | 5.043      | 0.116 | 297.451  | 4.227      | 0.116 | 0.13      | 0.0        | 0.116 | 0.128 | 0.0        |
| 6     | 12511       | 12512     | SN      | 1    | -34.391 | 28.016   | 2.994      | -34.869 | 28.739   | 4.096      | 7.452   | 33.4      | 11.895     | 8.108   | 29.673  | 13.472     | 0.116 | 266.386  | 4.94       | 0.116 | 297.451  | 4.142      | 0.116 | 0.13      | 0.0        | 0.116 | 0.128 | 0.0        |
| 7     | 12511       | 12512     | NS      | 1    | -34.813 | 26.437   | 0.577      | -33.93  | 27.392   | 0.162      | 2.392   | 33.938    | 18.184     | 0.935   | 36.383  | 36.668     | 0.116 | 293.616  | 3.643      | 0.116 | 239.635  | 2.803      | 0.116 | 0.163     | 0.0        | 0.116 | 0.183 | 0.0        |
| 8     | 12512       | 12513     | NS      | 2    | -34.934 | 26.299   | 0.499      | -34.461 | 26.632   | 0.417      | -5.694  | 29.528    | 11.799     | -5.693  | 30.589  | 26.274     | 0.116 | 301.936  | 6.157      | 0.116 | 270.762  | 5.815      | 0.116 | 0.454     | 0.0        | 0.116 | 0.454 | 0.0        |
| 9     | 12512       | 12513     | NS      | 1    | -34.934 | 26.299   | 0.499      | -34.461 | 26.632   | 0.417      | -5.694  | 29.528    | 11.799     | -5.693  | 30.589  | 26.272     | 0.116 | 301.936  | 6.157      | 0.116 | 270.762  | 5.816      | 0.116 | 0.454     | 0.0        | 0.116 | 0.454 | 0.0        |
| 10    | 12512       | 12513     | SN      | 1    | -34.287 | 26.12    | 1.064      | -34.459 | 26.862   | 1.57       | 6.284   | 30.612    | 21.194     | 7.576   | 30.67   | 27.088     | 0.116 | 260.161  | 2.709      | 0.116 | 270.654  | 2.318      | 0.116 | 0.134     | 0.0        | 0.116 | 0.129 | 0.0        |
| 11    | 12512       | 12513     | SN      | 1    | -34.287 | 26.12    | 1.087      | -34.459 | 26.862   | 1.551      | 6.284   | 30.612    | 21.177     | 7.576   | 30.67   | 27.224     | 0.116 | 260.161  | 2.673      | 0.116 | 270.654  | 2.291      | 0.116 | 0.134     | 0.0        | 0.116 | 0.129 | 0.0        |
| 12    | 12513       | 12514     | SN      | 1    | -34.781 | 25.823   | 0.611      | -34.649 | 26.929   | 0.739      | 5.653   | 27.47     | 16.373     | 6.595   | 29.389  | 14.401     | 0.116 | 291.486  | 3.31       | 0.116 | 282.71   | 2.937      | 0.116 | 0.137     | 0.0        | 0.116 | 0.133 | 0.0        |
| 13    | 12513       | 12514     | SN      | 1    | -34.781 | 25.823   | 0.62       | -34.649 | 26.929   | 0.745      | 5.653   | 27.47     | 16.313     | 6.595   | 28.539  | 14.413     | 0.116 | 291.486  | 3.364      | 0.116 | 282.71   | 2.981      | 0.116 | 0.137     | 0.0        | 0.116 | 0.133 | 0.0        |
| 14    | 12513       | 12514     | SN      | 1    | -34.781 | 25.823   | 0.611      | -34.649 | 26.929   | 0.734      | 5.653   | 27.47     | 16.285     | 6.595   | 29.389  | 14.449     | 0.116 | 291.486  | 3.314      | 0.116 | 282.71   | 2.94       | 0.116 | 0.137     | 0.0        | 0.116 | 0.133 | 0.0        |
| 15    | 12513       | 12514     | NS      | 1    | -34.776 | 26.545   | 0.665      | -34.679 | 27.104   | 0.674      | -2.031  | 29.545    | 10.26      | -2.433  | 30.439  | 19.69      | 0.116 | 291.147  | 3.525      | 0.116 | 284.701  | 3.22       | 0.116 | 0.255     | 0.0        | 0.116 | 0.269 | 0.0        |
| 16    | 12514       | 12515     | NS      | 2    | -33.924 | 26.27    | 0.346      | -34.864 | 27.094   | 0.396      | -25.474 | 29.078    | 7.449      | -19.753 | 29.639  | 15.033     | 0.116 | 239.248  | 3.776      | 0.116 | 297.084  | 3.926      | 0.116 | 34.264    | 0.016      | 0.116 | 9.244 | 0.007      |
| 17    | 12514       | 12515     | SN      | 1    | -34.98  | 25.849   | 0.429      | -34.962 | 26.66    | 0.51       | 6.159   | 27.794    | 21.722     | 6.915   | 28.089  | 32.839     | 0.116 | 305.148  | 3.056      | 0.116 | 303.836  | 2.714      | 0.116 | 0.135     | 0.0        | 0.116 | 0.132 | 0.0        |
| 18    | 12514       | 12515     | SN      | 1    | -34.883 | 25.849   | 0.438      | -34.591 | 26.66    | 0.508      | 6.16    | 27.794    | 21.668     | 6.915   | 28.111  | 32.807     | 0.116 | 298.345  | 3.044      | 0.116 | 278.941  | 2.724      | 0.116 | 0.135     | 0.0        | 0.116 | 0.132 | 0.0        |
| 19    | 12514       | 12515     | SN      | 1    | -34.98  | 25.849   | 0.425      | -34.962 | 26.66    | 0.506      | 6.159   | 27.794    | 21.696     | 6.915   | 28.112  | 32.533     | 0.116 | 305.148  | 3.025      | 0.116 | 303.836  | 2.694      | 0.116 | 0.135     | 0.0        | 0.116 | 0.132 | 0.0        |
| 20    | 12514       | 12515     | NS      | 1    | -33.924 | 26.27    | 0.346      | -34.864 | 27.094   | 0.396      | -25.473 | 29.078    | 7.449      | -19.753 | 29.639  | 15.034     | 0.116 | 239.248  | 3.776      | 0.116 | 297.084  | 3.926      | 0.116 | 34.257    | 0.016      | 0.116 | 9.244 | 0.007      |
| 21    | 12515       | 12516     | NS      | 1    | -34.857 | 23.962   | 0.05       | -34.018 | 23.832   | 0.083      | -3.287  | 28.668    | 8.931      | -4.488  | 30.411  | 15.635     | 0.116 | 296.532  | 5.481      | 0.116 | 244.511  | 4.159      | 0.116 | 0.305     | 0.0        | 0.116 | 0.369 | 0.0        |
| 22    | 12515       | 12516     | SN      | 1    | -34.931 | 23.745   | 0.065      | -34.506 | 23.939   | 0.097      | 5.226   | 27.407    | 24.486     | 7.743   | 29.073  | 43.325     | 0.116 | 301.73   | 1.679      | 0.116 | 273.514  | 1.565      | 0.116 | 0.139     | 0.0        | 0.116 | 0.129 | 0.0        |
| 23    | 12515       | 12516     | SN      | 1    | -34.931 | 23.745   | 0.066      | -34.506 | 23.939   | 0.098      | 5.226   | 27.407    | 24.897     | 7.743   | 29.073  | 43.303     | 0.116 | 301.73   | 1.696      | 0.116 | 273.514  | 1.583      | 0.116 | 0.139     | 0.0        | 0.116 | 0.129 | 0.0        |
| 24    | 12515       | 12516     | SN      | 1    | -34.485 | 23.745   | 0.065      | -34.513 | 23.939   | 0.097      | 5.226   | 27.407    | 24.469     | 7.743   | 29.073  | 43.332     | 0.116 | 272.25   | 1.688      | 0.116 | 274.039  | 1.559      | 0.116 | 0.139     | 0.0        | 0.116 | 0.129 | 0.0        |
| 25    | 12515       | 12516     | NS      | 1    | -34.897 | 23.962   | 0.05       | -34.713 | 23.833   | 0.083      | -3.287  | 28.668    | 8.924      | -4.488  | 30.413  | 15.637     | 0.116 | 299.355  | 5.488      | 0.116 | 286.925  | 4.164      | 0.116 | 0.305     | 0.0        | 0.116 | 0.369 | 0.0        |
| 26    | 12516       | 12517     | NS      | 1    | -34.617 | 28.264   | 0.583      | -34.43  | 28.6     | 0.857      | -5.069  | 30.21     | 13.713     | -8.751  | 31.228  | 20.739     | 0.116 | 280.671  | 3.894      | 0.116 | 268.78   | 3.973      | 0.116 | 0.407     | 0.0        | 0.116 | 0.819 | 0.0        |
| 27    | 12516       | 12517     | SN      | 1    | -33.61  | 24.243   | 0.169      | -34.103 | 24.758   | 0.293      | 4.79    | 29.788    | 17.844     | 7.646   | 30.147  | 31.108     | 0.116 | 222.542  | 1.814      | 0.116 | 249.338  | 1.145      | 0.116 | 0.142     | 0.0        | 0.116 | 0.129 | 0.0        |
| 28    | 12516       | 12517     | SN      | 1    | -33.61  | 24.243   | 0.161      | -34.103 | 24.758   | 0.281      | 4.79    | 29.788    | 16.958     | 7.646   | 30.147  | 31.035     | 0.116 | 222.542  | 1.722      | 0.116 | 249.338  | 1.074      | 0.116 | 0.142     | 0.0        | 0.116 | 0.129 | 0.0        |
| 29    | 12516       | 12517     | SN      | 2    | -33.61  | 24.243   | 0.161      | -34.103 | 24.758   | 0.281      | 4.79    | 29.788    | 16.958     | 7.646   | 30.147  | 31.035     | 0.116 | 222.542  | 1.722      | 0.116 | 249.338  | 1.074      | 0.116 | 0.142     | 0.0        | 0.116 | 0.129 | 0.0        |
| 30    | 12516       | 12517     | NS      | 1    | -34.377 | 28.261   | 0.584      | -34.43  | 28.598   | 0.858      | -5.069  | 30.21     | 13.711     | -8.751  | 31.228  | 20.748     | 0.116 | 265.535  | 3.9        | 0.116 | 268.78   | 3.974      | 0.116 | 0.407     | 0.0        | 0.116 | 0.819 | 0.0        |
| 31    | 12517       | 12518     | SN      | 1    | -34.195 | 24.372   | 0.271      | -34.195 | 25.538   | 0.363      | 2.862   | 34.429    | 14.934     | 3.152   | 32.981  | 20.102     | 0.116 | 254.685  | 5.338      | 0.116 | 254.642  | 4.325      | 0.116 | 0.158     | 0.0        | 0.116 | 0.155 | 0.0        |
| 32    | 12517       | 12518     | SN      | 1    | -34.195 | 24.372   | 0.254      | -34.195 | 25.538   | 0.413      | 2.862   | 34.429    | 14.102     | 3.152   | 32.981  | 20.104     | 0.116 | 254.685  | 5.011      | 0.116 | 254.642  | 3.815      | 0.116 | 0.158     | 0.0        | 0.116 | 0.155 | 0.0        |
| 33    | 12517       | 12518     | SN      | 2    | -34.195 | 24.372   | 0.254      | -34.195 | 25.538   | 0.413      | 2.862   | 34.429    | 14.102     | 3.152   | 32.981  | 20.104     | 0.116 | 254.685  | 5.011      | 0.116 | 254.642  | 3.815      | 0.116 | 0.158     | 0.0        | 0.116 | 0.155 | 0.0        |

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

- Normal
- Deviations
- Alarming
- High Errors

|    |       |       |    |   |         |        |       |         |        |       |         |        |        |         |        |        |       |         |       |       |         |       |       |        |       |       |       |       |
|----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|-------|-------|
| 34 | 12517 | 12518 | NS | 1 | -33.778 | 27.418 | 1.797 | -33.789 | 29.218 | 2.146 | 6.072   | 31.454 | 11.776 | 0.584   | 30.911 | 21.255 | 0.116 | 231.347 | 1.635 | 0.116 | 231.951 | 1.585 | 0.116 | 0.135  | 0.0   | 0.116 | 0.189 | 0.0   |
| 35 | 12517 | 12518 | NS | 1 | -34.728 | 27.422 | 1.796 | -34.823 | 29.218 | 2.144 | 6.075   | 31.454 | 11.735 | 0.584   | 30.911 | 21.219 | 0.116 | 287.884 | 1.637 | 0.116 | 294.235 | 1.6   | 0.116 | 0.135  | 0.0   | 0.116 | 0.189 | 0.0   |
| 36 | 12518 | 12519 | NS | 1 | -34.195 | 27.195 | 1.574 | -34.399 | 27.715 | 2.006 | -18.537 | 29.236 | 26.381 | -16.667 | 30.639 | 42.881 | 0.116 | 254.644 | 2.686 | 0.116 | 266.937 | 2.146 | 0.116 | 7.009  | 0.017 | 0.116 | 4.587 | 0.011 |
| 37 | 12518 | 12519 | SN | 1 | -34.914 | 27.512 | 0.338 | -34.623 | 27.228 | 0.941 | -7.886  | 36.079 | 18.394 | -5.151  | 29.562 | 22.102 | 0.116 | 300.5   | 3.708 | 0.116 | 280.996 | 2.843 | 0.116 | 0.688  | 0.0   | 0.116 | 0.413 | 0.0   |
| 38 | 12518 | 12519 | NS | 2 | -34.195 | 27.195 | 1.574 | -34.399 | 27.715 | 2.006 | -18.537 | 29.236 | 26.38  | -16.661 | 30.639 | 42.882 | 0.116 | 254.644 | 2.686 | 0.116 | 266.937 | 2.146 | 0.116 | 7.009  | 0.017 | 0.116 | 4.581 | 0.011 |
| 39 | 12518 | 12519 | SN | 1 | -34.467 | 27.512 | 0.343 | -34.549 | 27.228 | 0.705 | -8.012  | 36.118 | 18.363 | -5.184  | 29.359 | 21.7   | 0.116 | 271.084 | 3.763 | 0.116 | 276.317 | 2.853 | 0.116 | 0.706  | 0.0   | 0.116 | 0.415 | 0.0   |
| 40 | 12519 | 12520 | NS | 2 | -34.767 | 27.477 | 1.431 | -34.946 | 28.654 | 1.334 | -21.401 | 33.923 | 21.145 | -17.806 | 31.714 | 38.956 | 0.116 | 290.541 | 5.162 | 0.116 | 302.762 | 5.169 | 0.116 | 13.469 | 0.031 | 0.116 | 5.935 | 0.012 |
| 41 | 12519 | 12520 | NS | 1 | -34.767 | 27.477 | 1.431 | -34.946 | 28.654 | 1.334 | -21.401 | 33.923 | 21.145 | -17.806 | 31.714 | 38.957 | 0.116 | 290.541 | 5.162 | 0.116 | 302.762 | 5.169 | 0.116 | 13.469 | 0.031 | 0.116 | 5.935 | 0.012 |
| 42 | 12519 | 12520 | SN | 1 | -28.226 | 27.057 | 0.907 | -34.382 | 27.206 | 0.822 | 6.362   | 28.369 | 35.691 | 6.125   | 29.516 | 26.921 | 0.116 | 64.494  | 1.069 | 0.116 | 265.859 | 1.104 | 0.116 | 0.134  | 0.0   | 0.116 | 0.175 | 0.0   |
| 43 | 12520 | 12521 | SN | 1 | -34.793 | 25.657 | 0.047 | -34.885 | 27.916 | 1.811 | -23.327 | 30.311 | 15.166 | -19.92  | 29.947 | 16.343 | 0.116 | 292.262 | 2.871 | 0.116 | 298.51  | 2.779 | 0.116 | 20.935 | 0.007 | 0.116 | 9.604 | 0.008 |
| 44 | 12521 | 12522 | SN | 1 | -34.812 | 26.104 | 0.69  | -32.781 | 26.833 | 3.118 | -24.331 | 33.474 | 13.656 | -17.911 | 31.797 | 17.406 | 0.116 | 293.483 | 0.516 | 0.116 | 183.899 | 0.307 | 0.116 | 26.356 | 0.006 | 0.116 | 6.079 | 0.004 |
| 45 | 12522 | 12523 | NS | 1 | -34.654 | 25.544 | 2.007 | -34.476 | 25.784 | 1.433 | 11.527  | 28.236 | 29.405 | 11.952  | 29.234 | 41.983 | 0.116 | 283.072 | 2.094 | 0.116 | 271.694 | 1.846 | 0.116 | 0.121  | 0.0   | 0.116 | 0.12  | 0.0   |
| 46 | 12522 | 12523 | NS | 1 | -34.654 | 25.544 | 2.01  | -34.476 | 25.784 | 1.433 | 11.496  | 28.236 | 20.664 | 11.954  | 29.211 | 40.174 | 0.116 | 283.072 | 2.096 | 0.116 | 271.694 | 1.846 | 0.116 | 0.121  | 0.0   | 0.116 | 0.12  | 0.0   |
| 47 | 12522 | 12523 | SN | 1 | -34.922 | 26.001 | 0.847 | -34.912 | 27.11  | 3.824 | -10.185 | 28.849 | 23.581 | -7.625  | 29.983 | 26.81  | 0.116 | 301.026 | 3.852 | 0.116 | 300.393 | 3.269 | 0.116 | 1.103  | 0.004 | 0.116 | 0.654 | 0.0   |
| 48 | 12523 | 12524 | SN | 1 | -34.708 | 26.199 | 0.684 | -34.73  | 26.132 | 2.85  | 7.231   | 29.743 | 41.759 | 7.401   | 30.386 | 54.419 | 0.116 | 286.608 | 2.605 | 0.116 | 288.072 | 2.634 | 0.116 | 0.13   | 0.0   | 0.116 | 0.13  | 0.0   |
| 49 | 12523 | 12524 | NS | 1 | -34.756 | 25.535 | 1.7   | -33.014 | 25.982 | 0.466 | 1.182   | 27.888 | 10.168 | 0.305   | 31.955 | 17.681 | 0.116 | 289.812 | 1.049 | 0.116 | 194.033 | 0.988 | 0.116 | 0.179  | 0.0   | 0.116 | 0.194 | 0.0   |
| 50 | 12523 | 12524 | NS | 1 | -34.756 | 25.532 | 1.767 | -33.014 | 25.984 | 0.466 | 1.182   | 28.478 | 24.808 | 0.305   | 31.957 | 38.019 | 0.116 | 289.812 | 1.05  | 0.116 | 194.033 | 0.99  | 0.116 | 0.179  | 0.0   | 0.116 | 0.194 | 0.0   |
| 51 | 12524 | 12525 | NS | 1 | -34.81  | 26.485 | 1.925 | -34.504 | 27.248 | 0.443 | 6.386   | 29.198 | 18.572 | 6.855   | 29.517 | 29.716 | 0.116 | 293.375 | 1.887 | 0.116 | 273.4   | 1.831 | 0.116 | 0.134  | 0.0   | 0.116 | 0.132 | 0.0   |
| 52 | 12524 | 12525 | NS | 1 | -34.81  | 24.859 | 1.641 | -34.504 | 27.243 | 0.261 | 7.874   | 28.17  | 10.64  | 6.854   | 26.06  | 17.533 | 0.116 | 293.375 | 1.997 | 0.116 | 273.4   | 1.844 | 0.116 | 0.128  | 0.0   | 0.116 | 0.132 | 0.0   |
| 53 | 12524 | 12525 | SN | 1 | -34.666 | 23.768 | 0.015 | -33.874 | 25.718 | 0.254 | 6.637   | 30.434 | 17.995 | 9.77    | 30.301 | 28.53  | 0.116 | 283.865 | 5.202 | 0.116 | 236.53  | 3.725 | 0.116 | 0.133  | 0.0   | 0.116 | 0.124 | 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     | 12510       | 12511     | SN   | 2    | 57.441          | 58.433 | 0.0       | 0.0           | 297.203 | 3.755     | 1202.952 | 1294.04  | 32.581    | -93.61   | -91.921 | 0.0       |
| 2     | 12510       | 12511     | SN   | 1    | 57.441          | 58.433 | 0.0       | 0.0           | 297.203 | 4.172     | 1202.952 | 1294.04  | 31.431    | -94.584  | -91.921 | 0.0       |
| 3     | 12510       | 12511     | SN   | 1    | 57.441          | 58.433 | 0.0       | 0.0           | 297.203 | 3.755     | 1202.952 | 1294.04  | 32.581    | -93.61   | -91.921 | 0.0       |
| 4     | 12511       | 12512     | SN   | 2    | 57.461          | 58.397 | 0.0       | 0.0           | 296.007 | 3.832     | 1203.416 | 1294.0   | 32.202    | -93.278  | -91.909 | 0.0       |
| 5     | 12511       | 12512     | SN   | 1    | 57.461          | 58.397 | 0.0       | 0.0           | 296.007 | 3.713     | 1203.416 | 1294.0   | 32.604    | -93.278  | -91.909 | 0.0       |
| 6     | 12511       | 12512     | SN   | 1    | 57.461          | 58.397 | 0.0       | 0.0           | 296.007 | 3.832     | 1203.416 | 1294.0   | 32.202    | -93.278  | -91.909 | 0.0       |
| 7     | 12511       | 12512     | NS   | 1    | 57.392          | 58.327 | 0.0       | 0.0           | 297.021 | 3.723     | 1199.624 | 1292.952 | 37.794    | -93.484  | -91.825 | 0.0       |
| 8     | 12512       | 12513     | NS   | 2    | 57.388          | 58.298 | 0.0       | 0.0           | 291.981 | 3.575     | 1199.84  | 1293.2   | 38.231    | -93.484  | -91.77  | 0.0       |
| 9     | 12512       | 12513     | NS   | 1    | 57.388          | 58.299 | 0.0       | 0.0           | 291.97  | 3.578     | 1199.856 | 1293.184 | 38.202    | -93.484  | -91.77  | 0.0       |
| 10    | 12512       | 12513     | SN   | 1    | 57.419          | 58.42  | 0.0       | 0.0           | 296.415 | 3.539     | 1203.064 | 1294.152 | 31.873    | -93.388  | -91.897 | 0.0       |
| 11    | 12512       | 12513     | SN   | 1    | 57.456          | 58.42  | 0.0       | 0.0           | 296.415 | 3.662     | 1203.064 | 1294.152 | 31.625    | -93.726  | -91.897 | 0.0       |
| 12    | 12513       | 12514     | SN   | 1    | 57.418          | 58.427 | 0.0       | 0.0           | 297.248 | 3.975     | 1202.064 | 1294.032 | 32.041    | -95.246  | -91.92  | 0.0       |
| 13    | 12513       | 12514     | SN   | 1    | 57.439          | 58.427 | 0.0       | 0.0           | 297.248 | 3.758     | 1202.52  | 1294.032 | 32.454    | -93.681  | -91.92  | 0.0       |
| 14    | 12513       | 12514     | SN   | 1    | 57.425          | 58.427 | 0.0       | 0.0           | 297.248 | 3.877     | 1202.152 | 1294.032 | 32.047    | -95.246  | -91.92  | 0.0       |
| 15    | 12513       | 12514     | NS   | 1    | 57.394          | 58.328 | 0.0       | 0.0           | 295.99  | 3.756     | 1200.016 | 1293.128 | 38.123    | -93.502  | -91.811 | 0.0       |
| 16    | 12514       | 12515     | NS   | 2    | 57.396          | 58.322 | 0.0       | 0.0           | 285.793 | 3.651     | 1200.176 | 1292.928 | 36.485    | -94.383  | -91.82  | 0.0       |
| 17    | 12514       | 12515     | SN   | 1    | 57.358          | 58.421 | 0.0       | 0.0           | 289.411 | 3.784     | 1202.112 | 1293.856 | 33.01     | -95.0    | -91.92  | 0.0       |
| 18    | 12514       | 12515     | SN   | 1    | 57.358          | 58.424 | 0.0       | 0.0           | 289.411 | 3.825     | 1202.232 | 1293.856 | 32.978    | -95.0    | -91.92  | 0.0       |
| 19    | 12514       | 12515     | SN   | 1    | 57.358          | 58.421 | 0.0       | 0.0           | 289.411 | 3.853     | 1202.112 | 1293.856 | 32.742    | -95.0    | -91.92  | 0.0       |
| 20    | 12514       | 12515     | NS   | 1    | 57.396          | 58.322 | 0.0       | 0.0           | 285.787 | 3.652     | 1200.176 | 1292.936 | 36.471    | -94.383  | -91.82  | 0.0       |
| 21    | 12515       | 12516     | NS   | 1    | 57.396          | 58.325 | 0.0       | 0.0           | 293.718 | 3.831     | 1200.256 | 1292.824 | 36.186    | -93.935  | -91.837 | 0.0       |
| 22    | 12515       | 12516     | SN   | 1    | 57.421          | 58.407 | 0.0       | 0.003         | 299.724 | 3.098     | 1202.112 | 1293.744 | 31.64     | -93.388  | -91.909 | 0.0       |
| 23    | 12515       | 12516     | SN   | 1    | 57.421          | 58.407 | 0.0       | 0.003         | 299.724 | 3.061     | 1202.112 | 1293.744 | 31.979    | -93.388  | -91.909 | 0.0       |
| 24    | 12515       | 12516     | SN   | 1    | 57.421          | 58.419 | 0.0       | 0.003         | 299.724 | 3.094     | 1202.408 | 1293.744 | 31.609    | -93.279  | -91.909 | 0.0       |
| 25    | 12515       | 12516     | NS   | 1    | 57.396          | 58.328 | 0.0       | 0.0           | 293.718 | 3.835     | 1200.256 | 1292.824 | 36.223    | -93.935  | -91.837 | 0.0       |
| 26    | 12516       | 12517     | NS   | 1    | 57.364          | 58.334 | 0.0       | 0.0           | 296.933 | 3.68      | 1199.448 | 1292.744 | 35.11     | -93.316  | -91.831 | 0.0       |
| 27    | 12516       | 12517     | SN   | 1    | 57.434          | 58.42  | 0.0       | 0.0           | 295.852 | 3.216     | 1202.048 | 1293.68  | 33.068    | -93.297  | -91.9   | 0.0       |
| 28    | 12516       | 12517     | SN   | 1    | 57.434          | 58.42  | 0.0       | 0.0           | 295.852 | 3.856     | 1202.048 | 1293.68  | 31.419    | -94.582  | -91.9   | 0.0       |
| 29    | 12516       | 12517     | SN   | 2    | 57.434          | 58.42  | 0.0       | 0.0           | 295.852 | 3.856     | 1202.048 | 1293.68  | 31.419    | -94.582  | -91.9   | 0.0       |
| 30    | 12516       | 12517     | NS   | 1    | 57.363          | 58.314 | 0.0       | 0.0           | 296.966 | 3.683     | 1199.424 | 1292.76  | 35.141    | -93.298  | -91.831 | 0.0       |
| 31    | 12517       | 12518     | SN   | 1    | 57.455          | 58.396 | 0.0       | 0.003         | 294.716 | 2.319     | 1202.952 | 1293.864 | 34.697    | -93.316  | -91.9   | 0.0       |
| 32    | 12517       | 12518     | SN   | 1    | 57.455          | 58.396 | 0.0       | 0.003         | 294.716 | 3.242     | 1202.952 | 1293.864 | 32.555    | -93.316  | -91.9   | 0.0       |
| 33    | 12517       | 12518     | SN   | 2    | 57.455          | 58.396 | 0.0       | 0.003         | 294.716 | 3.242     | 1202.952 | 1293.864 | 32.557    | -93.316  | -91.9   | 0.0       |
| 34    | 12517       | 12518     | NS   | 1    | 57.371          | 58.318 | 0.0       | 0.0           | 292.317 | 4.094     | 1199.92  | 1292.96  | 38.182    | -93.695  | -91.846 | 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 | 12517 | 12518 | NS | 1 | 57.371 | 58.32  | 0.0 | 0.0   | 292.317 | 4.091  | 1199.92  | 1293.088 | 38.145 | -93.695 | -91.846 | 0.0 |
| 36 | 12518 | 12519 | NS | 1 | 57.37  | 58.444 | 0.0 | 0.0   | 295.108 | 4.289  | 1199.56  | 1297.64  | 37.475 | -94.286 | -91.838 | 0.0 |
| 37 | 12518 | 12519 | SN | 1 | 57.446 | 58.396 | 0.0 | 0.0   | 298.974 | 3.361  | 1203.016 | 1293.936 | 31.004 | -93.3   | -91.853 | 0.0 |
| 38 | 12518 | 12519 | NS | 2 | 57.37  | 58.444 | 0.0 | 0.0   | 295.146 | 4.29   | 1199.544 | 1297.648 | 37.504 | -94.286 | -91.837 | 0.0 |
| 39 | 12518 | 12519 | SN | 1 | 57.429 | 58.396 | 0.0 | 0.0   | 298.974 | 3.236  | 1202.728 | 1293.936 | 31.263 | -93.3   | -91.853 | 0.0 |
| 40 | 12519 | 12520 | NS | 2 | 57.385 | 58.33  | 0.0 | 0.0   | 298.808 | 3.959  | 1199.8   | 1292.976 | 35.95  | -93.952 | -91.834 | 0.0 |
| 41 | 12519 | 12520 | NS | 1 | 57.385 | 58.33  | 0.0 | 0.0   | 298.841 | 3.96   | 1199.792 | 1292.992 | 35.977 | -93.952 | -91.833 | 0.0 |
| 42 | 12519 | 12520 | SN | 1 | 57.384 | 58.57  | 0.0 | 0.0   | 293.911 | 17.888 | 1203.12  | 1294.136 | 49.076 | -95.916 | -91.915 | 0.0 |
| 43 | 12520 | 12521 | SN | 1 | 57.434 | 58.395 | 0.0 | 0.0   | 291.324 | 3.436  | 1202.76  | 1293.744 | 29.949 | -93.612 | -91.898 | 0.0 |
| 44 | 12521 | 12522 | SN | 1 | 57.453 | 58.424 | 0.0 | 0.003 | 279.859 | 3.044  | 1202.648 | 1293.824 | 32.045 | -93.24  | -91.89  | 0.0 |
| 45 | 12522 | 12523 | NS | 1 | 57.372 | 58.313 | 0.0 | 0.0   | 298.549 | 3.875  | 1200.16  | 1292.96  | 37.955 | -93.353 | -91.849 | 0.0 |
| 46 | 12522 | 12523 | NS | 1 | 57.372 | 58.322 | 0.0 | 0.0   | 291.016 | 2.918  | 1200.16  | 1291.08  | 34.661 | -93.353 | -91.849 | 0.0 |
| 47 | 12522 | 12523 | SN | 1 | 57.427 | 58.408 | 0.0 | 0.0   | 295.45  | 3.963  | 1201.928 | 1293.824 | 33.889 | -95.55  | -91.895 | 0.0 |
| 48 | 12523 | 12524 | SN | 1 | 57.443 | 58.416 | 0.0 | 0.0   | 294.567 | 3.824  | 1201.896 | 1293.952 | 34.314 | -94.542 | -91.9   | 0.0 |
| 49 | 12523 | 12524 | NS | 1 | 57.394 | 58.327 | 0.0 | 0.0   | 293.955 | 2.25   | 1200.144 | 1289.464 | 31.343 | -93.914 | -91.848 | 0.0 |
| 50 | 12523 | 12524 | NS | 1 | 57.394 | 58.327 | 0.0 | 0.0   | 293.955 | 3.272  | 1200.144 | 1292.472 | 36.948 | -93.914 | -91.848 | 0.0 |
| 51 | 12524 | 12525 | NS | 1 | 57.37  | 58.312 | 0.0 | 0.0   | 298.637 | 3.716  | 1200.16  | 1293.136 | 37.891 | -93.478 | -91.847 | 0.0 |
| 52 | 12524 | 12525 | NS | 1 | 57.37  | 58.322 | 0.0 | 0.003 | 298.637 | 1.767  | 1200.16  | 1284.712 | 27.006 | -93.156 | -91.847 | 0.0 |
| 53 | 12524 | 12525 | SN | 1 | 57.414 | 58.428 | 0.0 | 0.0   | 294.661 | 3.136  | 1202.16  | 1293.992 | 34.889 | -93.308 | -91.914 | 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       | 12510       | 12511     | SN       | 2    | -34.028 | 21.272   | 0.0        | -34.83  | 20.554    | 0.0        | -11.724 | 22.093  | 0.002      | -7.561  | 22.604   | 0.011      | 0.086 | 187.275  | 4.843      | 0.086 | 225.282   | 4.051      | 0.086 | 1.197  | 0.002      | 0.086 | 0.489  | 0.0        |
| 2       | 12510       | 12511     | SN       | 1    | -34.028 | 21.272   | 0.0        | -34.83  | 20.554    | 0.0        | -11.724 | 22.093  | 0.002      | -7.561  | 22.597   | 0.011      | 0.086 | 187.275  | 4.659      | 0.086 | 225.282   | 3.677      | 0.086 | 1.197  | 0.002      | 0.086 | 0.489  | 0.0        |
| 3       | 12510       | 12511     | SN       | 1    | -34.028 | 21.272   | 0.0        | -34.83  | 20.554    | 0.0        | -11.724 | 22.093  | 0.002      | -7.561  | 22.604   | 0.011      | 0.086 | 187.275  | 4.843      | 0.086 | 225.282   | 4.051      | 0.086 | 1.197  | 0.002      | 0.086 | 0.489  | 0.0        |
| 4       | 12511       | 12512     | SN       | 2    | -34.281 | 19.585   | 0.0        | -34.434 | 20.78     | 0.0        | 1.555   | 21.759  | 0.0        | 1.773   | 21.748   | 0.0        | 0.086 | 198.526  | 4.227      | 0.086 | 205.668   | 3.844      | 0.086 | 0.129  | 0.0        | 0.086 | 0.127  | 0.0        |
| 5       | 12511       | 12512     | SN       | 1    | -34.281 | 19.585   | 0.0        | -34.434 | 20.78     | 0.0        | 1.555   | 21.759  | 0.0        | 1.773   | 21.748   | 0.0        | 0.086 | 198.526  | 4.32       | 0.086 | 205.668   | 3.922      | 0.086 | 0.129  | 0.0        | 0.086 | 0.127  | 0.0        |
| 6       | 12511       | 12512     | SN       | 1    | -34.281 | 19.585   | 0.0        | -34.434 | 20.78     | 0.0        | 1.555   | 21.759  | 0.0        | 1.773   | 21.748   | 0.0        | 0.086 | 198.526  | 4.227      | 0.086 | 205.668   | 3.844      | 0.086 | 0.129  | 0.0        | 0.086 | 0.127  | 0.0        |
| 7       | 12511       | 12512     | NS       | 1    | -34.485 | 19.262   | 0.0        | -34.934 | 18.776    | 0.0        | -6.05   | 23.225  | 0.005      | -3.996  | 24.893   | 0.037      | 0.086 | 208.079  | 2.701      | 0.086 | 230.714   | 2.576      | 0.086 | 0.366  | 0.0        | 0.086 | 0.256  | 0.0        |
| 8       | 12512       | 12513     | NS       | 2    | -34.863 | 19.404   | 0.0        | -34.987 | 19.882    | 0.0        | -11.612 | 21.442  | 0.0        | -30.949 | 22.48    | 0.017      | 0.086 | 227.016  | 4.795      | 0.086 | 233.512   | 4.588      | 0.086 | 1.138  | 0.004      | 0.086 | 92.198 | 0.056      |
| 9       | 12512       | 12513     | NS       | 1    | -34.863 | 19.404   | 0.0        | -34.987 | 19.882    | 0.0        | -11.612 | 21.442  | 0.0        | -30.949 | 22.48    | 0.017      | 0.086 | 227.016  | 4.795      | 0.086 | 233.512   | 4.587      | 0.086 | 1.138  | 0.004      | 0.086 | 92.198 | 0.056      |
| 10      | 12512       | 12513     | SN       | 1    | -34.625 | 19.327   | 0.0        | -34.55  | 20.077    | 0.0        | 1.42    | 21.275  | 0.0        | 1.318   | 24.441   | 0.004      | 0.086 | 214.905  | 2.208      | 0.086 | 211.201   | 2.069      | 0.086 | 0.13   | 0.0        | 0.086 | 0.132  | 0.0        |
| 11      | 12512       | 12513     | SN       | 1    | -34.625 | 19.327   | 0.0        | -34.55  | 20.077    | 0.0        | 1.42    | 21.275  | 0.0        | 1.318   | 24.441   | 0.004      | 0.086 | 214.905  | 2.179      | 0.086 | 211.201   | 2.047      | 0.086 | 0.13   | 0.0        | 0.086 | 0.132  | 0.0        |
| 12      | 12513       | 12514     | SN       | 1    | -34.609 | 19.2     | 0.0        | -34.569 | 20.06     | 0.0        | 0.514   | 21.524  | 0.0        | 1.086   | 20.79    | 0.0        | 0.086 | 214.113  | 3.301      | 0.086 | 212.147   | 2.964      | 0.086 | 0.142  | 0.0        | 0.086 | 0.134  | 0.0        |
| 13      | 12513       | 12514     | SN       | 1    | -34.609 | 19.2     | 0.0        | -34.569 | 20.06     | 0.0        | 0.514   | 21.524  | 0.0        | 1.086   | 20.79    | 0.0        | 0.086 | 214.113  | 3.352      | 0.086 | 212.147   | 2.999      | 0.086 | 0.142  | 0.0        | 0.086 | 0.134  | 0.0        |
| 14      | 12513       | 12514     | SN       | 1    | -34.609 | 19.2     | 0.0        | -34.569 | 20.06     | 0.0        | 0.514   | 21.524  | 0.0        | 1.086   | 20.79    | 0.0        | 0.086 | 214.113  | 3.304      | 0.086 | 212.147   | 2.967      | 0.086 | 0.142  | 0.0        | 0.086 | 0.134  | 0.0        |
| 15      | 12513       | 12514     | NS       | 1    | -34.671 | 19.027   | 0.0        | -34.926 | 20.084    | 0.0        | -23.034 | 21.228  | 0.0        | -26.187 | 22.288   | 0.003      | 0.086 | 217.146  | 2.806      | 0.086 | 230.306   | 2.696      | 0.086 | 14.958 | 0.174      | 0.086 | 30.85  | 0.091      |
| 16      | 12514       | 12515     | NS       | 2    | -34.527 | 19.431   | 0.0        | -34.991 | 19.291    | 0.0        | -18.36  | 21.853  | 0.0        | -25.49  | 22.721   | 0.006      | 0.086 | 210.102  | 3.061      | 0.086 | 233.761   | 3.82       | 0.086 | 5.14   | 0.008      | 0.086 | 26.284 | 0.009      |
| 17      | 12514       | 12515     | SN       | 1    | -34.419 | 18.507   | 0.0        | -34.97  | 19.202    | 0.0        | 1.046   | 21.352  | 0.0        | 1.079   | 21.688   | 0.0        | 0.086 | 204.904  | 2.942      | 0.086 | 232.62    | 2.736      | 0.086 | 0.135  | 0.0        | 0.086 | 0.134  | 0.0        |
| 18      | 12514       | 12515     | SN       | 1    | -34.963 | 18.507   | 0.0        | -34.98  | 19.202    | 0.0        | 1.046   | 21.352  | 0.0        | 1.077   | 21.703   | 0.0        | 0.086 | 232.286  | 2.931      | 0.086 | 233.215   | 2.739      | 0.086 | 0.135  | 0.0        | 0.086 | 0.134  | 0.0        |
| 19      | 12514       | 12515     | SN       | 1    | -34.419 | 18.507   | 0.0        | -34.97  | 19.202    | 0.0        | 1.046   | 21.352  | 0.0        | 1.079   | 21.708   | 0.0        | 0.086 | 204.904  | 2.916      | 0.086 | 232.62    | 2.715      | 0.086 | 0.135  | 0.0        | 0.086 | 0.134  | 0.0        |
| 20      | 12514       | 12515     | NS       | 1    | -34.527 | 19.431   | 0.0        | -34.991 | 19.291    | 0.0        | -18.36  | 21.853  | 0.0        | -25.49  | 22.721   | 0.006      | 0.086 | 210.102  | 3.061      | 0.086 | 233.761   | 3.82       | 0.086 | 5.14   | 0.008      | 0.086 | 26.284 | 0.009      |
| 21      | 12515       | 12516     | NS       | 1    | -34.974 | 19.952   | 0.0        | -34.993 | 18.388    | 0.0        | -11.028 | 21.453  | 0.0        | -12.215 | 22.398   | 0.002      | 0.086 | 232.863  | 4.884      | 0.086 | 233.888   | 4.567      | 0.086 | 1.004  | 0.002      | 0.086 | 1.298  | 0.002      |
| 22      | 12515       | 12516     | SN       | 1    | -34.883 | 18.352   | 0.0        | -33.751 | 18.818    | 0.0        | 0.189   | 21.454  | 0.0        | 3.566   | 20.84    | 0.0        | 0.086 | 228.047  | 2.151      | 0.086 | 175.739   | 2.11       | 0.086 | 0.146  | 0.0        | 0.086 | 0.112  | 0.0        |
| 23      | 12515       | 12516     | SN       | 1    | -34.883 | 18.352   | 0.0        | -33.751 | 18.818    | 0.0        | 0.189   | 21.454  | 0.0        | 3.566   | 20.84    | 0.0        | 0.086 | 228.047  | 2.173      | 0.086 | 175.739   | 2.133      | 0.086 | 0.146  | 0.0        | 0.086 | 0.112  | 0.0        |
| 24      | 12515       | 12516     | SN       | 1    | -34.883 | 18.352   | 0.0        | -34.397 | 18.818    | 0.0        | 0.189   | 21.454  | 0.0        | 3.566   | 20.84    | 0.0        | 0.086 | 228.047  | 2.153      | 0.086 | 203.898   | 2.107      | 0.086 | 0.146  | 0.0        | 0.086 | 0.112  | 0.0        |
| 25      | 12515       | 12516     | NS       | 1    | -34.999 | 19.952   | 0.0        | -34.94  | 18.386    | 0.0        | -11.044 | 21.453  | 0.0        | -12.215 | 22.402   | 0.002      | 0.086 | 234.243  | 4.903      | 0.086 | 231.046   | 4.574      | 0.086 | 1.007  | 0.002      | 0.086 | 1.298  | 0.002      |
| 26      | 12516       | 12517     | NS       | 1    | -34.999 | 19.935   | 0.0        | -34.68  | 21.055    | 0.0        | -20.094 | 21.663  | 0.0        | -24.84  | 22.119   | 0.013      | 0.086 | 234.241  | 3.611      | 0.086 | 217.641   | 3.745      | 0.086 | 7.631  | 0.063      | 0.086 | 22.64  | 0.106      |
| 27      | 12516       | 12517     | SN       | 1    | -34.762 | 18.4     | 0.0        | -34.304 | 18.287    | 0.0        | -1.008  | 22.416  | 0.038      | 6.242   | 22.681   | 0.092      | 0.086 | 221.813  | 1.581      | 0.086 | 199.62    | 1.278      | 0.086 | 0.167  | 0.0        | 0.086 | 0.103  | 0.0        |
| 28      | 12516       | 12517     | SN       | 1    | -34.762 | 18.4     | 0.0        | -34.304 | 18.287    | 0.0        | -1.008  | 22.416  | 0.036      | 6.242   | 22.681   | 0.092      | 0.086 | 221.813  | 1.51       | 0.086 | 199.62    | 1.191      | 0.086 | 0.167  | 0.0        | 0.086 | 0.101  | 0.0        |
| 29      | 12516       | 12517     | SN       | 2    | -34.762 | 18.4     | 0.0        | -34.304 | 18.287    | 0.0        | -1.008  | 22.416  | 0.036      | 6.242   | 22.681   | 0.092      | 0.086 | 221.813  | 1.51       | 0.086 | 199.62    | 1.191      | 0.086 | 0.167  | 0.0        | 0.086 | 0.101  | 0.0        |
| 30      | 12516       | 12517     | NS       | 1    | -34.97  | 19.935   | 0.0        | -34.895 | 21.055    | 0.0        | -20.094 | 21.668  | 0.0        | -24.84  | 22.121   | 0.013      | 0.086 | 232.614  | 3.619      | 0.086 | 228.682   | 3.749      | 0.086 | 7.631  | 0.063      | 0.086 | 22.64  | 0.106      |
| 31      | 12517       | 12518     | SN       | 1    | -34.736 | 18.589   | 0.0        | -34.888 | 18.012    | 0.0        | -19.152 | 23.069  | 0.052      | -6.76   | 24.792   | 0.245      | 0.086 | 220.466  | 3.899      | 0.086 | 228.288   | 3.787      | 0.086 | 6.37   | 0.003      | 0.086 | 0.434  | 0.0        |
| 32      | 12517       | 12518     | SN       | 1    | -34.736 | 18.589   | 0.0        | -34.888 | 18.012    | 0.0        | -19.153 | 23.069  | 0.049      | -6.76   | 24.792   | 0.245      | 0.086 | 220.466  | 3.668      | 0.086 | 228.288   | 3.285      | 0.086 | 6.37   | 0.003      | 0.086 | 0.434  | 0.0        |

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

|    |       |       |    |   |         |        |      |         |        |       |         |        |       |         |        |       |       |         |       |       |         |       |       |        |       |       |         |       |
|----|-------|-------|----|---|---------|--------|------|---------|--------|-------|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|---------|-------|
| 33 | 12517 | 12518 | SN | 2 | -34.736 | 18.589 | 0.0  | -34.888 | 18.012 | 0.0   | -19.153 | 23.069 | 0.049 | -6.76   | 24.792 | 0.245 | 0.086 | 220.466 | 3.668 | 0.086 | 228.288 | 3.285 | 0.086 | 6.37   | 0.003 | 0.086 | 0.434   | 0.0   |
| 34 | 12517 | 12518 | NS | 1 | -34.965 | 20.886 | 0.0  | -34.945 | 21.056 | 0.0   | 0.543   | 22.494 | 0.027 | -10.515 | 22.777 | 0.159 | 0.086 | 232.388 | 2.154 | 0.086 | 231.274 | 2.094 | 0.086 | 0.141  | 0.0   | 0.086 | 0.899   | 0.0   |
| 35 | 12517 | 12518 | NS | 1 | -34.722 | 20.886 | 0.0  | -34.945 | 21.056 | 0.0   | 0.548   | 22.494 | 0.027 | -10.515 | 22.777 | 0.159 | 0.086 | 219.756 | 2.153 | 0.086 | 231.293 | 2.106 | 0.086 | 0.141  | 0.0   | 0.086 | 0.899   | 0.0   |
| 36 | 12518 | 12519 | NS | 1 | -34.914 | 22.62  | 0.01 | -34.523 | 22.167 | 0.002 | -17.555 | 22.972 | 0.158 | -14.116 | 23.165 | 0.46  | 0.086 | 229.662 | 2.753 | 0.086 | 209.92  | 2.628 | 0.086 | 4.282  | 0.003 | 0.086 | 1.976   | 0.002 |
| 37 | 12518 | 12519 | SN | 1 | -34.085 | 19.169 | 0.0  | -34.742 | 20.097 | 0.0   | -26.818 | 22.328 | 0.008 | -33.471 | 22.987 | 0.133 | 0.086 | 189.797 | 3.026 | 0.086 | 220.771 | 2.597 | 0.086 | 35.661 | 0.096 | 0.086 | 164.733 | 0.025 |
| 38 | 12518 | 12519 | NS | 2 | -34.914 | 22.62  | 0.01 | -34.523 | 22.167 | 0.002 | -17.555 | 22.972 | 0.158 | -14.116 | 23.165 | 0.459 | 0.086 | 229.662 | 2.753 | 0.086 | 209.92  | 2.628 | 0.086 | 4.282  | 0.003 | 0.086 | 1.975   | 0.002 |
| 39 | 12518 | 12519 | SN | 1 | -34.085 | 19.169 | 0.0  | -34.742 | 20.097 | 0.0   | -27.549 | 22.328 | 0.008 | -23.075 | 22.973 | 0.106 | 0.086 | 189.797 | 3.071 | 0.086 | 220.771 | 2.59  | 0.086 | 42.178 | 0.101 | 0.086 | 15.096  | 0.025 |
| 40 | 12519 | 12520 | NS | 2 | -34.957 | 19.771 | 0.0  | -34.984 | 19.424 | 0.0   | -15.205 | 22.62  | 0.135 | -16.161 | 23.199 | 0.428 | 0.086 | 231.968 | 5.726 | 0.086 | 233.38  | 5.917 | 0.086 | 2.52   | 0.006 | 0.086 | 3.124   | 0.013 |
| 41 | 12519 | 12520 | NS | 1 | -34.957 | 19.771 | 0.0  | -34.984 | 19.424 | 0.0   | -15.205 | 22.62  | 0.135 | -16.161 | 23.199 | 0.428 | 0.086 | 231.967 | 5.725 | 0.086 | 233.38  | 5.917 | 0.086 | 2.52   | 0.006 | 0.086 | 3.124   | 0.013 |
| 42 | 12519 | 12520 | SN | 1 | -33.447 | 19.267 | 0.0  | -33.587 | 20.298 | 0.0   | -4.986  | 22.721 | 0.005 | 2.884   | 21.986 | 0.0   | 0.086 | 163.886 | 1.339 | 0.086 | 169.223 | 1.586 | 0.086 | 0.303  | 0.0   | 0.086 | 0.127   | 0.0   |
| 43 | 12520 | 12521 | SN | 1 | -33.701 | 16.878 | 0.0  | -33.97  | 20.025 | 0.0   | -34.462 | 22.141 | 0.004 | -16.393 | 23.512 | 0.094 | 0.087 | 173.718 | 1.982 | 0.086 | 184.851 | 1.718 | 0.086 | 207.01 | 0.164 | 0.086 | 3.292   | 0.029 |
| 44 | 12521 | 12522 | SN | 1 | -33.961 | 19.18  | 0.0  | -26.563 | 20.178 | 0.0   | -25.944 | 22.617 | 0.005 | -30.709 | 23.433 | 0.147 | 0.086 | 184.414 | 0.502 | 0.086 | 33.631  | 0.386 | 0.086 | 29.17  | 0.074 | 0.086 | 87.257  | 0.092 |
| 45 | 12522 | 12523 | NS | 1 | -34.493 | 19.182 | 0.0  | -34.68  | 19.284 | 0.0   | 3.243   | 22.402 | 0.006 | 3.592   | 22.75  | 0.252 | 0.086 | 208.498 | 2.045 | 0.086 | 217.633 | 1.863 | 0.086 | 0.114  | 0.0   | 0.086 | 0.112   | 0.0   |
| 46 | 12522 | 12523 | NS | 1 | -34.493 | 19.182 | 0.0  | -34.68  | 19.284 | 0.0   | 3.323   | 22.402 | 0.01  | 3.6     | 22.771 | 0.351 | 0.086 | 208.498 | 2.052 | 0.086 | 217.633 | 1.861 | 0.086 | 0.114  | 0.0   | 0.086 | 0.112   | 0.0   |
| 47 | 12522 | 12523 | SN | 1 | -34.673 | 18.99  | 0.0  | -34.962 | 20.159 | 0.0   | -30.892 | 22.03  | 0.002 | -19.354 | 23.97  | 0.369 | 0.086 | 217.29  | 3.538 | 0.086 | 232.187 | 2.73  | 0.086 | 91.006 | 0.051 | 0.086 | 6.447   | 0.061 |
| 48 | 12523 | 12524 | SN | 1 | -34.546 | 19.129 | 0.0  | -34.843 | 19.717 | 0.0   | 1.504   | 22.444 | 0.064 | 2.483   | 24.124 | 2.066 | 0.086 | 211.014 | 2.47  | 0.086 | 225.955 | 2.497 | 0.086 | 0.129  | 0.0   | 0.086 | 0.12    | 0.0   |
| 49 | 12523 | 12524 | NS | 1 | -34.256 | 19.722 | 0.0  | -34.827 | 20.606 | 0.0   | -1.336  | 22.076 | 0.011 | 1.541   | 22.924 | 0.09  | 0.086 | 197.414 | 1.239 | 0.086 | 225.161 | 1.308 | 0.086 | 0.174  | 0.0   | 0.086 | 0.129   | 0.0   |
| 50 | 12523 | 12524 | NS | 1 | -34.408 | 20.234 | 0.0  | -34.827 | 20.602 | 0.0   | -1.336  | 22.076 | 0.006 | 1.541   | 23.249 | 0.267 | 0.086 | 204.398 | 1.23  | 0.086 | 225.161 | 1.307 | 0.086 | 0.174  | 0.0   | 0.086 | 0.129   | 0.0   |
| 51 | 12524 | 12525 | NS | 1 | -34.699 | 19.534 | 0.0  | -34.852 | 20.422 | 0.0   | 1.062   | 22.534 | 0.047 | 0.84    | 23.086 | 0.188 | 0.086 | 218.547 | 2.303 | 0.086 | 226.398 | 2.293 | 0.086 | 0.134  | 0.0   | 0.086 | 0.137   | 0.0   |
| 52 | 12524 | 12525 | NS | 1 | -34.756 | 19.23  | 0.0  | -34.852 | 20.425 | 0.0   | 2.573   | 21.514 | 0.0   | 0.816   | 19.243 | 0.0   | 0.086 | 221.454 | 2.455 | 0.086 | 226.398 | 2.315 | 0.086 | 0.119  | 0.0   | 0.086 | 0.138   | 0.0   |
| 53 | 12524 | 12525 | SN | 1 | -34.968 | 17.293 | 0.0  | -34.041 | 19.858 | 0.0   | 1.051   | 21.941 | 0.0   | 3.085   | 22.905 | 0.123 | 0.087 | 232.534 | 3.541 | 0.086 | 187.858 | 3.173 | 0.086 | 0.135  | 0.0   | 0.086 | 0.115   | 0.0   |

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

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