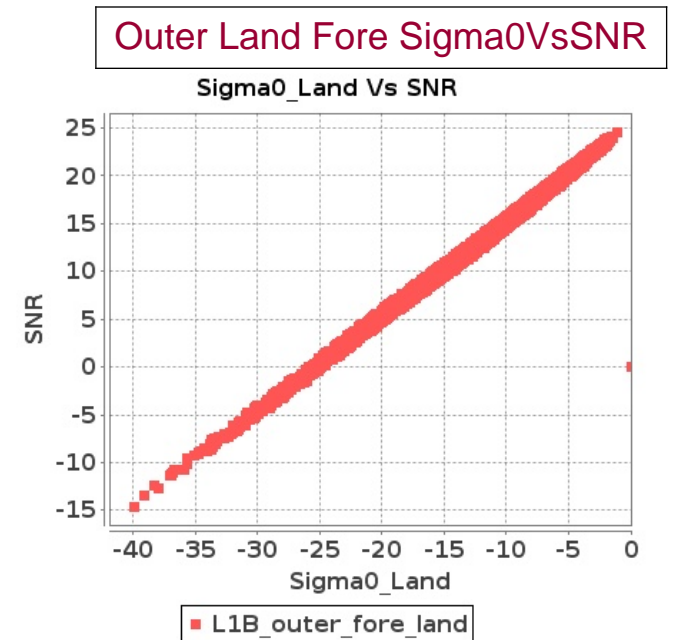
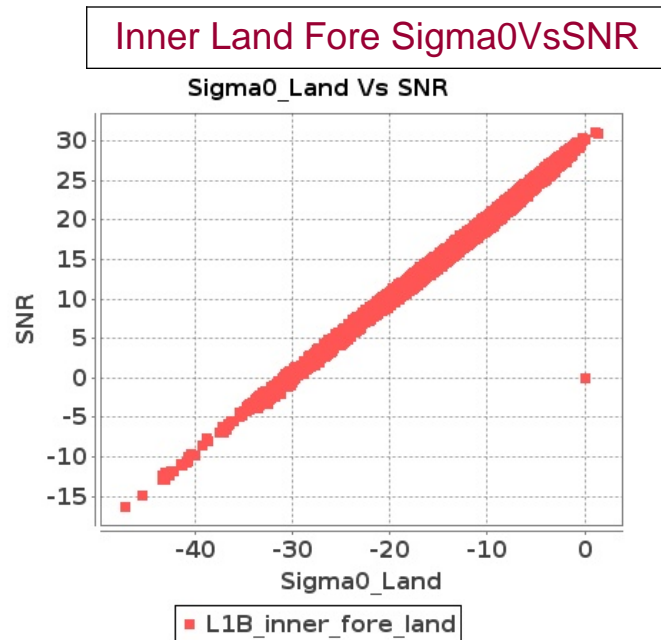
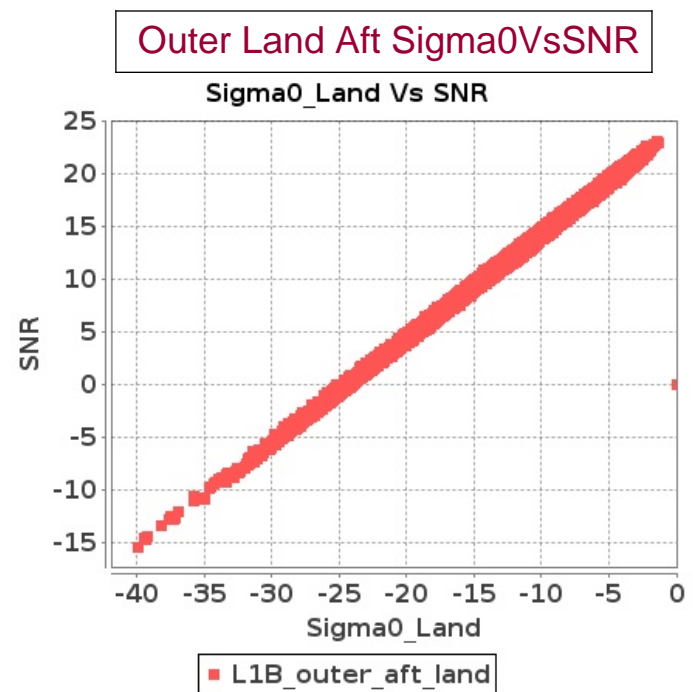
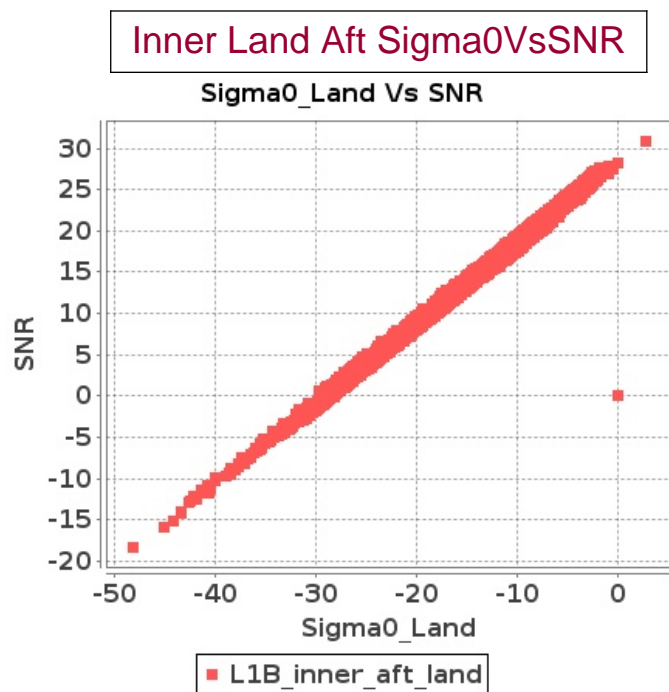
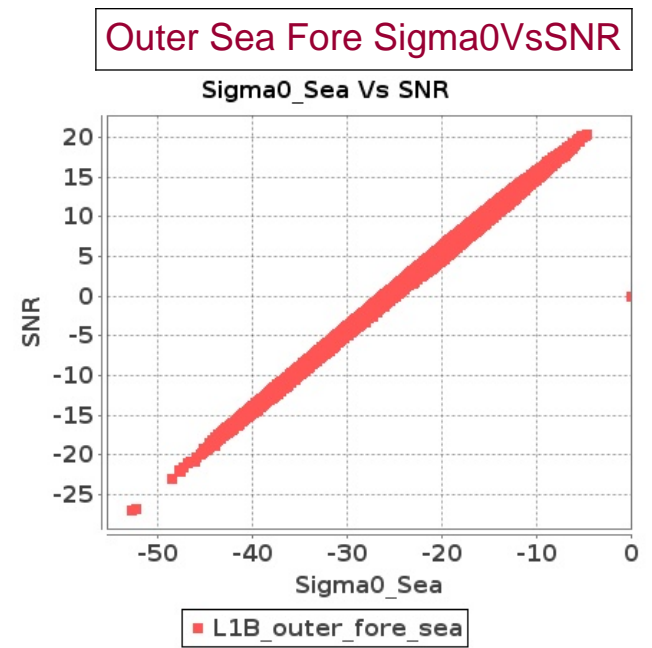
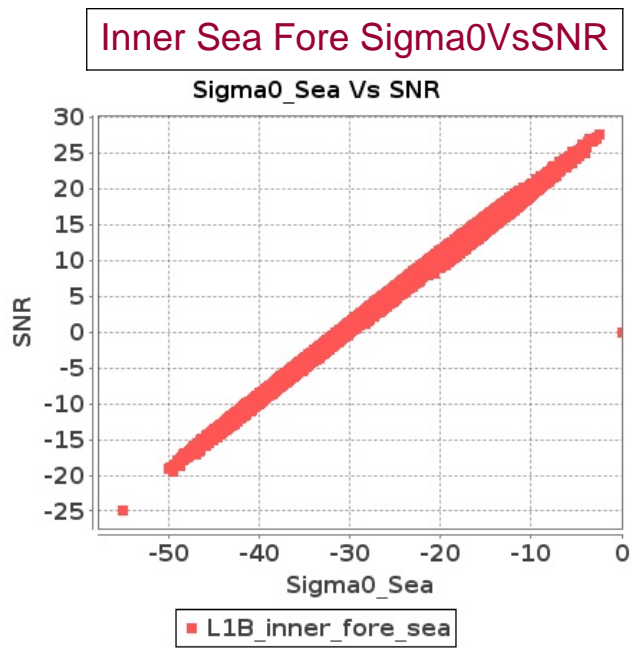
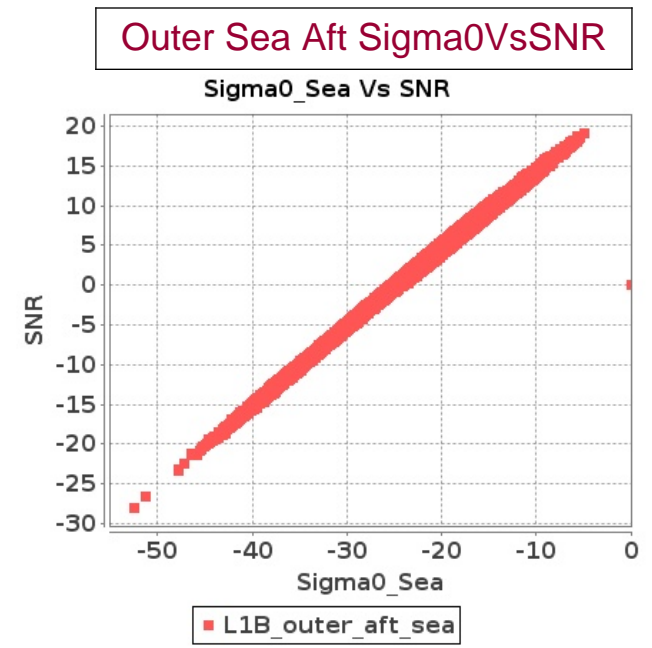
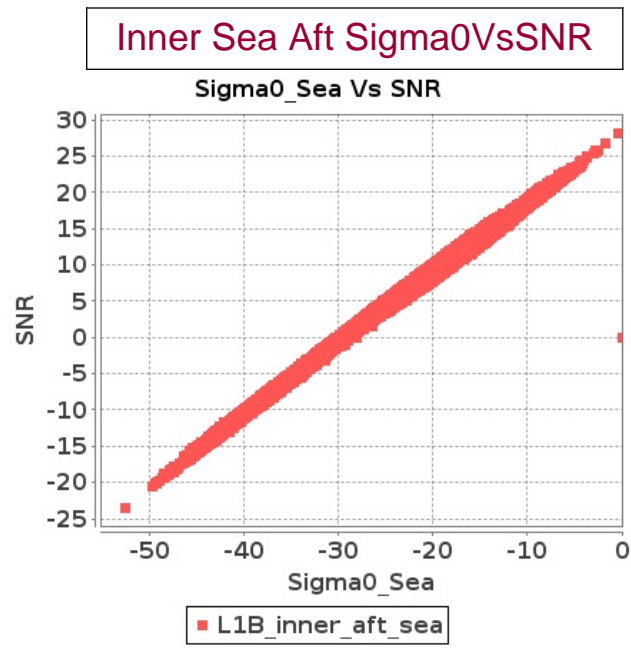
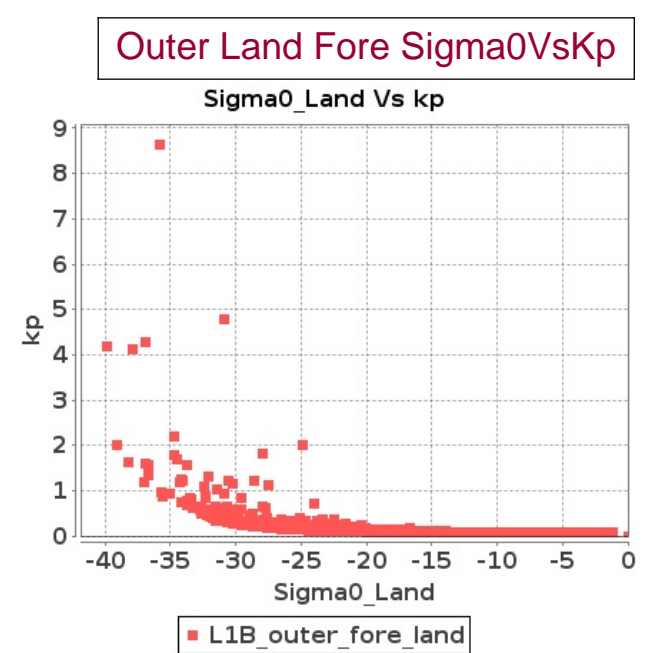
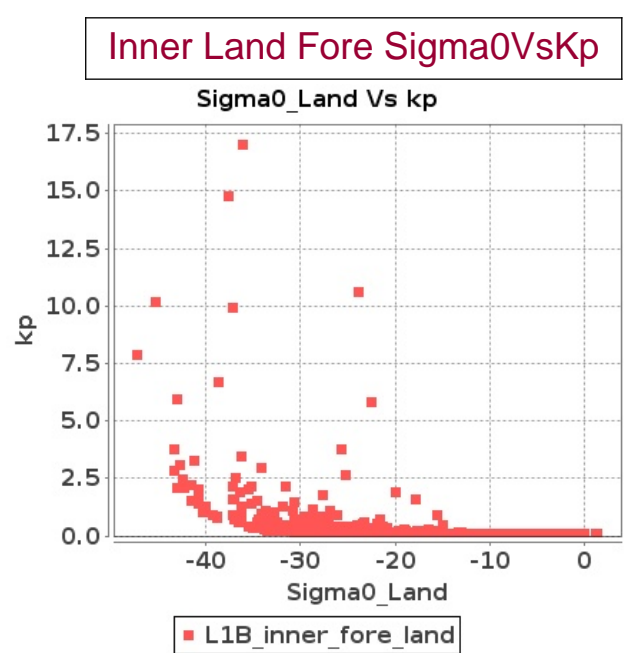
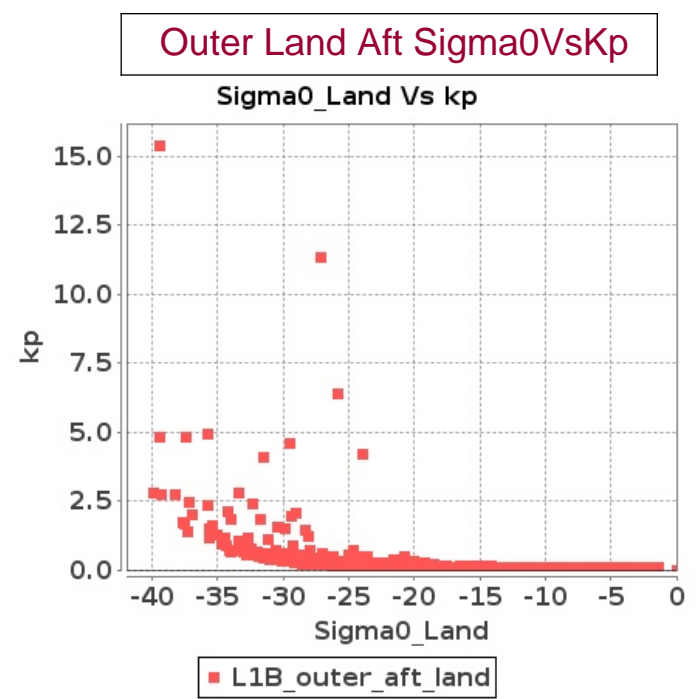
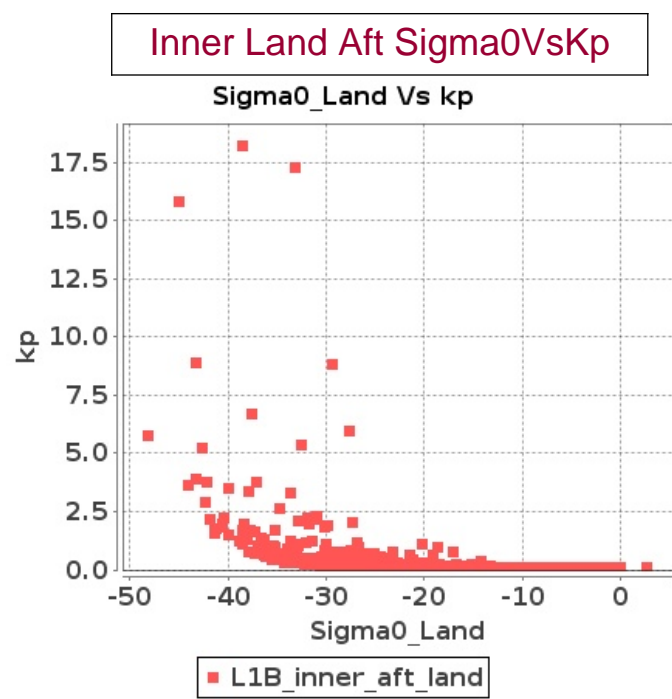
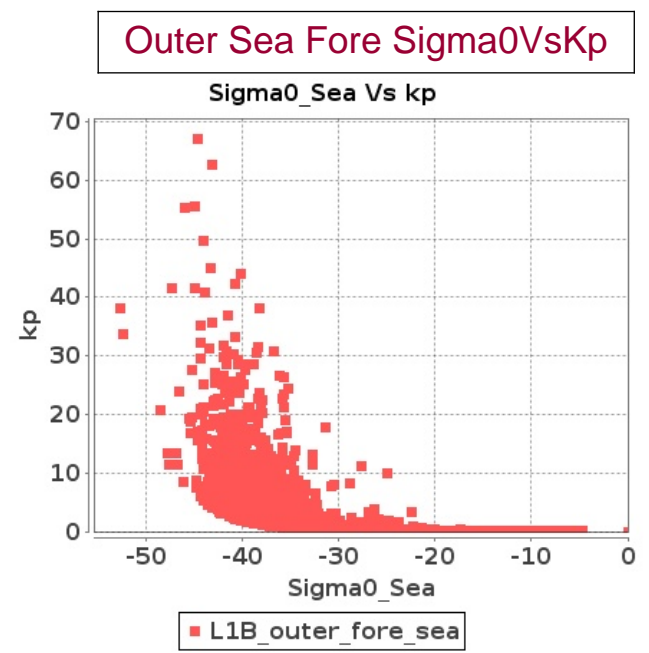
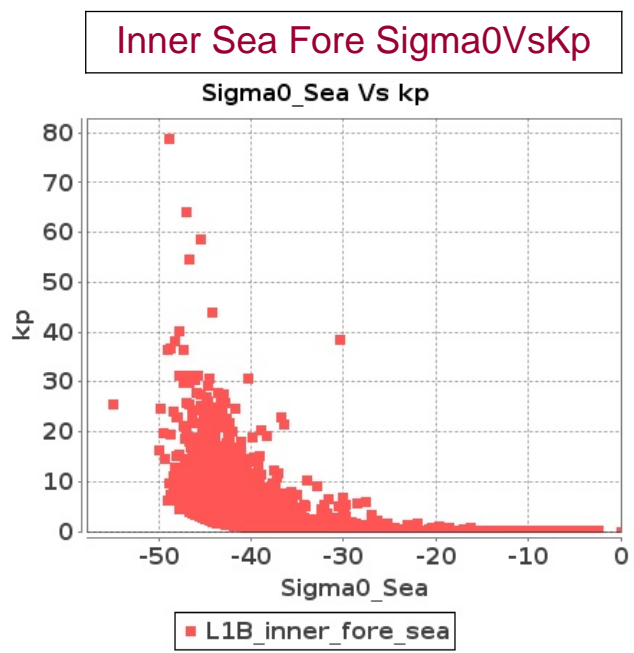
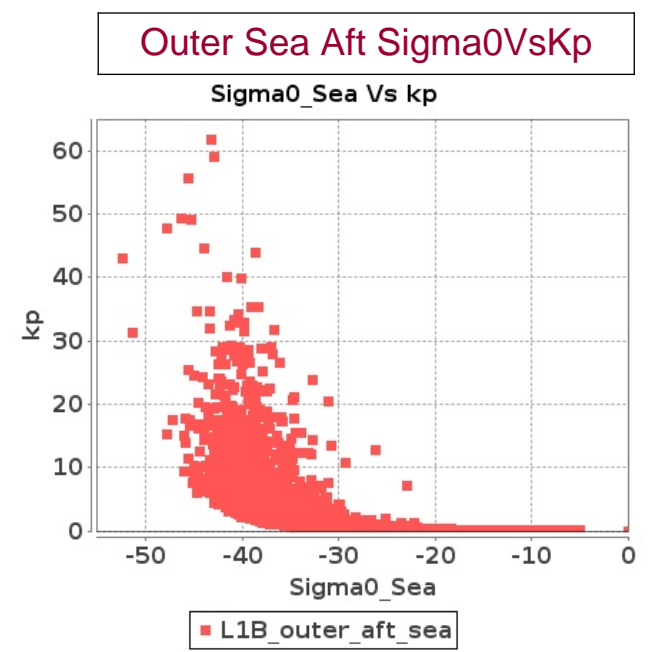
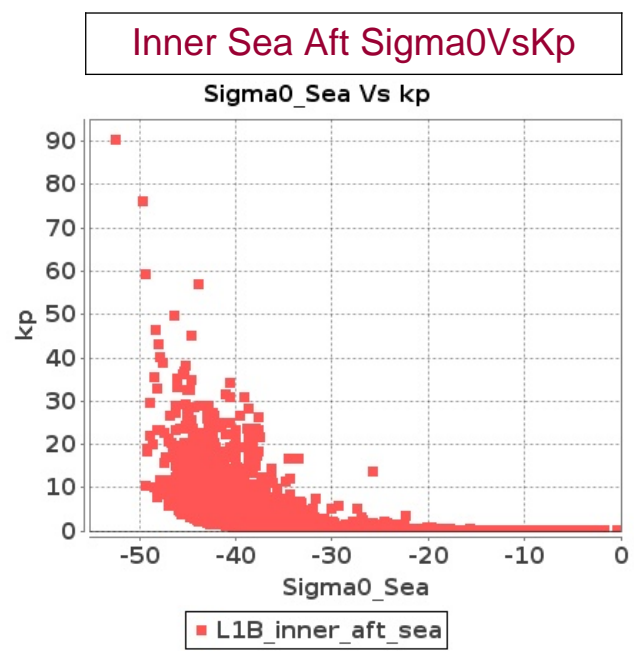


# SCATSAT-1 Scatterometer Level-1B Data Quality Cycle wise Report

Report between 05-JUN-2017 To 06-JUN-2017





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

Report between 05-JUN-2017 To 06-JUN-2017





|       |             |           |      |      | 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     | 3651        | 3652      | SN   | 1    | 48.86           | 49.449 | 0.0       | 0.003         | 1.814   | 0.157     | 1051.424 | 1086.176 | 0.0       | -92.05   | -89.429 | 0.0       |
| 2     | 3651        | 3652      | SN   | 1    | 48.86           | 49.449 | 0.0       | 0.003         | 1.814   | 0.153     | 1051.424 | 1086.176 | 0.0       | -92.05   | -89.429 | 0.0       |
| 3     | 3652        | 3653      | SN   | 1    | 48.883          | 49.48  | 0.0       | 0.003         | 305.332 | 0.147     | 1051.568 | 1086.176 | 0.0       | -91.94   | -89.435 | 0.0       |
| 4     | 3652        | 3653      | NS   | 1    | 48.779          | 49.346 | 0.0       | 0.003         | 6.37    | 0.2       | 1028.928 | 1083.928 | 0.0       | -91.942  | -89.064 | 0.0       |
| 5     | 3652        | 3653      | SN   | 1    | 48.883          | 49.48  | 0.0       | 0.003         | 305.332 | 0.146     | 1051.568 | 1086.176 | 0.0       | -91.94   | -89.435 | 0.0       |
| 6     | 3653        | 3654      | NS   | 1    | 48.779          | 49.349 | 0.0       | 0.003         | 2.581   | 0.189     | 1028.824 | 1084.056 | 0.0       | -91.936  | -89.112 | 0.0       |
| 7     | 3653        | 3654      | SN   | 1    | 48.845          | 49.456 | 0.0       | 0.003         | 1.814   | 0.139     | 1050.944 | 1086.336 | 0.0       | -92.052  | -89.428 | 0.0       |
| 8     | 3653        | 3654      | SN   | 1    | 48.845          | 49.456 | 0.0       | 0.003         | 1.814   | 0.138     | 1050.944 | 1086.336 | 0.0       | -92.052  | -89.428 | 0.0       |
| 9     | 3654        | 3655      | NS   | 1    | 48.779          | 49.349 | 0.0       | 0.003         | 1.809   | 0.187     | 1029.296 | 1084.064 | 0.0       | -92.21   | -89.074 | 0.0       |
| 10    | 3654        | 3655      | SN   | 1    | 48.841          | 49.485 | 0.0       | 0.003         | 1.814   | 0.141     | 1050.952 | 1086.272 | 0.0       | -91.995  | -89.467 | 0.0       |
| 11    | 3654        | 3655      | SN   | 1    | 48.841          | 49.485 | 0.0       | 0.003         | 1.814   | 0.14      | 1050.952 | 1086.272 | 0.0       | -91.995  | -89.467 | 0.0       |
| 12    | 3655        | 3656      | SN   | 1    | 48.837          | 49.445 | 0.0       | 0.003         | 1.814   | 0.138     | 1051.176 | 1086.224 | 0.0       | -92.193  | -89.431 | 0.0       |
| 13    | 3655        | 3656      | SN   | 1    | 48.837          | 49.445 | 0.0       | 0.003         | 1.814   | 0.14      | 1051.176 | 1086.224 | 0.0       | -92.193  | -89.431 | 0.0       |
| 14    | 3655        | 3656      | NS   | 1    | 48.75           | 49.35  | 0.0       | 0.003         | 1.809   | 0.189     | 1029.328 | 1084.04  | 0.0       | -91.924  | -89.043 | 0.0       |
| 15    | 3656        | 3657      | NS   | 1    | 48.678          | 49.349 | 0.0       | 0.003         | 6.37    | 0.204     | 1029.04  | 1084.008 | 0.0       | -91.929  | -89.045 | 0.0       |
| 16    | 3656        | 3657      | SN   | 1    | 48.838          | 49.473 | 0.0       | 0.003         | 1.809   | 0.141     | 1051.152 | 1086.168 | 0.0       | -91.958  | -89.437 | 0.0       |
| 17    | 3656        | 3657      | SN   | 1    | 48.838          | 49.473 | 0.0       | 0.003         | 1.809   | 0.145     | 1051.152 | 1086.168 | 0.0       | -91.958  | -89.437 | 0.0       |
| 18    | 3657        | 3658      | SN   | 1    | 48.845          | 49.445 | 0.0       | 0.003         | 1.809   | 0.145     | 1050.92  | 1086.2   | 0.0       | -92.086  | -89.427 | 0.0       |
| 19    | 3657        | 3658      | SN   | 1    | 48.845          | 49.445 | 0.0       | 0.003         | 1.809   | 0.152     | 1050.92  | 1086.2   | 0.0       | -92.086  | -89.427 | 0.0       |
| 20    | 3657        | 3658      | NS   | 1    | 48.779          | 49.348 | 0.0       | 0.003         | 1.803   | 0.189     | 1028.392 | 1084.032 | 0.0       | -91.936  | -89.144 | 0.0       |
| 21    | 3658        | 3659      | NS   | 1    | 48.75           | 49.395 | 0.0       | 0.003         | 1.809   | 0.191     | 1028.968 | 1084.216 | 0.0       | -92.204  | -89.102 | 0.0       |
| 22    | 3658        | 3659      | SN   | 1    | 48.884          | 49.447 | 0.0       | 0.003         | 261.654 | 0.158     | 1051.44  | 1086.408 | 0.0       | -92.07   | -89.432 | 0.0       |
| 23    | 3658        | 3659      | SN   | 1    | 48.884          | 49.447 | 0.0       | 0.003         | 261.654 | 0.148     | 1051.44  | 1086.408 | 0.0       | -92.07   | -89.432 | 0.0       |
| 24    | 3659        | 3660      | NS   | 1    | 48.737          | 49.386 | 0.0       | 0.003         | 1.809   | 0.199     | 1028.952 | 1084.336 | 0.0       | -92.012  | -89.116 | 0.0       |
| 25    | 3659        | 3660      | SN   | 1    | 48.838          | 49.498 | 0.0       | 0.003         | 1.809   | 0.138     | 1051.36  | 1086.616 | 0.0       | -92.115  | -89.453 | 0.0       |
| 26    | 3660        | 3661      | SN   | 2    | 48.876          | 49.498 | 0.0       | 0.003         | 1.809   | 0.139     | 1051.352 | 1086.52  | 0.0       | -92.096  | -89.431 | 0.0       |
| 27    | 3660        | 3661      | NS   | 1    | 48.754          | 49.36  | 0.0       | 0.003         | 6.419   | 0.211     | 1028.36  | 1084.288 | 0.0       | -92.118  | -89.127 | 0.0       |
| 28    | 3661        | 3662      | NS   | 1    | 48.771          | 49.35  | 0.0       | 0.003         | 1.809   | 0.193     | 1028.272 | 1084.28  | 0.0       | -92.0    | -89.053 | 0.0       |
| 29    | 3666        | 3667      | SN   | 1    | 48.881          | 49.499 | 0.0       | 0.003         | 1.814   | 0.152     | 1051.688 | 1086.768 | 0.0       | -91.964  | -89.462 | 0.0       |
| 30    | 3666        | 3667      | SN   | 1    | 48.881          | 49.499 | 0.0       | 0.003         | 1.814   | 0.15      | 1051.688 | 1086.768 | 0.0       | -91.964  | -89.447 | 0.0       |
| 31    | 3666        | 3667      | NS   | 1    | 48.759          | 49.378 | 0.0       | 0.003         | 1.809   | 0.193     | 1027.968 | 1084.448 | 0.0       | -91.942  | -89.052 | 0.0       |
| 32    | 3667        | 3668      | NS   | 1    | 48.776          | 49.351 | 0.0       | 0.003         | 1.809   | 0.182     | 1028.696 | 1084.736 | 0.0       | -91.937  | -89.048 | 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 | 3667 | 3668 | SN | 1 | 48.878 | 49.45  | 0.0 | 0.003 | 1.814   | 0.139 | 1050.824 | 1086.96  | 0.0 | -91.89  | -89.467 | 0.0 |
| 34 | 3667 | 3668 | SN | 1 | 48.878 | 49.45  | 0.0 | 0.003 | 1.814   | 0.139 | 1050.824 | 1086.96  | 0.0 | -91.839 | -89.467 | 0.0 |
| 35 | 3668 | 3669 | SN | 1 | 48.849 | 49.479 | 0.0 | 0.003 | 1.814   | 0.139 | 1050.656 | 1086.976 | 0.0 | -92.067 | -89.445 | 0.0 |
| 36 | 3668 | 3669 | NS | 1 | 48.771 | 49.352 | 0.0 | 0.003 | 1.809   | 0.185 | 1028.568 | 1084.832 | 0.0 | -92.102 | -89.062 | 0.0 |
| 37 | 3668 | 3669 | SN | 1 | 48.849 | 49.479 | 0.0 | 0.003 | 1.814   | 0.14  | 1050.656 | 1086.976 | 0.0 | -92.067 | -89.515 | 0.0 |
| 38 | 3669 | 3670 | SN | 1 | 48.835 | 49.455 | 0.0 | 0.003 | 1.814   | 0.142 | 1051.072 | 1086.92  | 0.0 | -92.009 | -89.474 | 0.0 |
| 39 | 3669 | 3670 | NS | 1 | 48.738 | 49.353 | 0.0 | 0.003 | 1.809   | 0.189 | 1029.096 | 1084.808 | 0.0 | -91.917 | -89.051 | 0.0 |
| 40 | 3669 | 3670 | SN | 1 | 48.835 | 49.455 | 0.0 | 0.003 | 1.814   | 0.143 | 1051.072 | 1086.92  | 0.0 | -92.009 | -89.474 | 0.0 |
| 41 | 3670 | 3671 | NS | 1 | 48.736 | 49.352 | 0.0 | 0.003 | 1.809   | 0.193 | 1029.048 | 1084.776 | 0.0 | -91.945 | -89.134 | 0.0 |
| 42 | 3670 | 3671 | SN | 1 | 48.844 | 49.479 | 0.0 | 0.003 | 1.82    | 0.138 | 1050.992 | 1086.872 | 0.0 | -92.194 | -89.436 | 0.0 |
| 43 | 3670 | 3671 | SN | 1 | 48.844 | 49.479 | 0.0 | 0.003 | 1.82    | 0.141 | 1050.992 | 1086.872 | 0.0 | -92.194 | -89.436 | 0.0 |
| 44 | 3671 | 3672 | SN | 1 | 48.831 | 49.452 | 0.0 | 0.003 | 1.809   | 0.143 | 1050.64  | 1086.832 | 0.0 | -92.387 | -89.43  | 0.0 |
| 45 | 3671 | 3672 | NS | 1 | 48.776 | 49.353 | 0.0 | 0.003 | 1.809   | 0.192 | 1028.984 | 1084.752 | 0.0 | -91.938 | -89.065 | 0.0 |
| 46 | 3671 | 3672 | SN | 1 | 48.831 | 49.452 | 0.0 | 0.003 | 1.809   | 0.143 | 1050.64  | 1086.832 | 0.0 | -92.387 | -89.43  | 0.0 |
| 47 | 3672 | 3673 | SN | 1 | 48.832 | 49.455 | 0.0 | 0.003 | 261.968 | 0.146 | 1050.864 | 1086.936 | 0.0 | -92.099 | -89.435 | 0.0 |
| 48 | 3672 | 3673 | NS | 1 | 48.729 | 49.358 | 0.0 | 0.003 | 6.386   | 0.199 | 1028.816 | 1084.824 | 0.0 | -92.061 | -89.046 | 0.0 |
| 49 | 3672 | 3673 | SN | 1 | 48.832 | 49.455 | 0.0 | 0.003 | 261.968 | 0.15  | 1050.864 | 1086.936 | 0.0 | -92.099 | -89.435 | 0.0 |
| 50 | 3673 | 3674 | NS | 1 | 48.737 | 49.352 | 0.0 | 0.003 | 1.809   | 0.191 | 1028.72  | 1085.008 | 0.0 | -92.044 | -89.048 | 0.0 |
| 51 | 3673 | 3674 | SN | 1 | 48.879 | 49.488 | 0.0 | 0.003 | 261.505 | 0.14  | 1051.752 | 1087.184 | 0.0 | -91.959 | -89.453 | 0.0 |
| 52 | 3674 | 3675 | SN | 1 | 48.88  | 49.451 | 0.0 | 0.008 | 1.814   | 0.138 | 1051.816 | 1087.12  | 0.0 | -91.982 | -89.465 | 0.0 |
| 53 | 3674 | 3675 | NS | 1 | 48.775 | 49.352 | 0.0 | 0.003 | 1.809   | 0.199 | 1028.032 | 1085.008 | 0.0 | -91.944 | -89.12  | 0.0 |
| 54 | 3675 | 3676 | NS | 1 | 48.776 | 49.353 | 0.0 | 0.003 | 1.809   | 0.193 | 1028.448 | 1084.928 | 0.0 | -92.123 | -89.08  | 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       | 3651        | 3652      | SN       | 1    | -34.253 | 25.421   | 0.579      | -34.221 | 26.318    | 1.663      | -34.781 | 27.418  | 6.997      | -33.537 | 29.211   | 15.684     | 0.103 | 224.936  | 3.354      | 0.103 | 223.291   | 3.61       | 0.103 | 254.013 | 0.242      | 0.103 | 190.786 | 0.227      |
| 2       | 3651        | 3652      | SN       | 1    | -34.253 | 25.421   | 0.547      | -34.221 | 26.318    | 1.493      | -34.781 | 27.418  | 6.976      | -33.537 | 29.211   | 15.119     | 0.103 | 224.936  | 3.162      | 0.103 | 223.291   | 3.24       | 0.103 | 254.013 | 0.247      | 0.103 | 190.786 | 0.233      |
| 3       | 3652        | 3653      | SN       | 1    | -34.529 | 24.958   | 0.193      | -34.148 | 27.014    | 0.658      | -28.239 | 28.283  | 8.119      | -12.425 | 33.518   | 6.098      | 0.103 | 239.656  | 2.307      | 0.103 | 219.557   | 1.778      | 0.103 | 56.363  | 0.015      | 0.102 | 1.557   | 0.012      |
| 4       | 3652        | 3653      | NS       | 1    | -34.725 | 27.608   | 0.02       | -34.818 | 29.317    | 0.033      | -17.637 | 34.201  | 7.336      | -11.953 | 33.351   | 29.051     | 0.103 | 250.752  | 3.022      | 0.103 | 256.18    | 2.672      | 0.102 | 4.982   | 0.003      | 0.102 | 1.406   | 0.004      |
| 5       | 3652        | 3653      | SN       | 1    | -34.529 | 24.958   | 0.187      | -34.148 | 27.014    | 0.64       | -28.239 | 28.283  | 7.535      | -12.425 | 33.518   | 5.223      | 0.103 | 239.656  | 2.241      | 0.103 | 219.557   | 1.731      | 0.103 | 56.363  | 0.015      | 0.102 | 1.557   | 0.013      |
| 6       | 3653        | 3654      | NS       | 1    | -33.183 | 21.935   | 0.0        | -33.257 | 23.515    | 0.002      | -7.039  | 29.126  | 9.124      | -6.075  | 29.248   | 24.092     | 0.103 | 175.797  | 0.745      | 0.103 | 178.86    | 0.844      | 0.103 | 0.511   | 0.0        | 0.103 | 0.427   | 0.0        |
| 7       | 3653        | 3654      | SN       | 1    | -34.47  | 23.272   | 0.028      | -34.693 | 24.669    | 0.048      | 7.052   | 33.25   | 9.987      | 6.476   | 29.559   | 5.927      | 0.103 | 236.47   | 2.247      | 0.103 | 248.921   | 1.563      | 0.102 | 0.116   | 0.0        | 0.103 | 0.118   | 0.0        |
| 8       | 3653        | 3654      | SN       | 1    | -34.47  | 23.272   | 0.027      | -34.693 | 24.669    | 0.046      | 7.052   | 33.25   | 8.352      | 6.476   | 29.559   | 4.627      | 0.103 | 236.47   | 2.206      | 0.103 | 248.921   | 1.545      | 0.102 | 0.116   | 0.0        | 0.103 | 0.118   | 0.0        |
| 9       | 3654        | 3655      | NS       | 1    | -33.922 | 20.967   | 0.0        | -32.078 | 25.886    | 0.004      | -34.184 | 28.473  | 6.904      | -8.734  | 31.333   | 17.317     | 0.103 | 208.452  | 1.153      | 0.103 | 136.351   | 0.886      | 0.103 | 221.356 | 0.006      | 0.103 | 0.714   | 0.0        |
| 10      | 3654        | 3655      | SN       | 1    | -34.588 | 24.274   | 0.052      | -34.762 | 26.386    | 0.134      | 6.748   | 26.958  | 10.026     | 7.582   | 28.587   | 5.342      | 0.103 | 242.949  | 2.439      | 0.103 | 252.871   | 1.475      | 0.103 | 0.117   | 0.0        | 0.103 | 0.114   | 0.0        |
| 11      | 3654        | 3655      | SN       | 1    | -34.588 | 24.274   | 0.051      | -34.762 | 26.386    | 0.132      | 6.748   | 26.958  | 8.686      | 7.582   | 28.587   | 4.515      | 0.103 | 242.949  | 2.398      | 0.103 | 252.871   | 1.451      | 0.103 | 0.117   | 0.0        | 0.103 | 0.114   | 0.0        |
| 12      | 3655        | 3656      | SN       | 1    | -34.524 | 24.721   | 0.115      | -34.734 | 25.414    | 0.194      | 5.464   | 28.315  | 14.233     | 6.02    | 29.106   | 19.082     | 0.103 | 239.376  | 6.437      | 0.103 | 251.254   | 4.838      | 0.103 | 0.122   | 0.0        | 0.103 | 0.12    | 0.0        |
| 13      | 3655        | 3656      | SN       | 1    | -34.524 | 24.721   | 0.118      | -34.734 | 25.414    | 0.198      | 5.464   | 28.315  | 15.665     | 6.02    | 29.106   | 19.69      | 0.103 | 239.376  | 6.629      | 0.103 | 251.254   | 4.956      | 0.103 | 0.122   | 0.0        | 0.103 | 0.12    | 0.0        |
| 14      | 3655        | 3656      | NS       | 1    | -33.919 | 20.408   | 0.0        | -32.278 | 21.565    | 0.0        | -18.488 | 28.146  | 3.827      | -17.192 | 29.54    | 13.162     | 0.103 | 208.256  | 2.46       | 0.103 | 142.744   | 2.102      | 0.103 | 6.043   | 0.006      | 0.103 | 4.504   | 0.001      |
| 15      | 3656        | 3657      | NS       | 1    | -34.575 | 21.726   | 0.0        | -34.824 | 21.963    | 0.0        | -24.585 | 26.895  | 4.548      | -24.574 | 29.067   | 12.171     | 0.103 | 242.201  | 3.51       | 0.103 | 256.516   | 3.007      | 0.103 | 24.346  | 0.02       | 0.103 | 24.291  | 0.026      |
| 16      | 3656        | 3657      | SN       | 1    | -34.939 | 23.239   | 0.001      | -34.759 | 23.991    | 0.003      | 5.605   | 27.212  | 14.55      | 6.973   | 29.288   | 12.595     | 0.103 | 263.341  | 6.451      | 0.103 | 252.761   | 5.654      | 0.103 | 0.121   | 0.0        | 0.103 | 0.116   | 0.0        |
| 17      | 3656        | 3657      | SN       | 1    | -34.939 | 23.239   | 0.001      | -34.759 | 23.991    | 0.003      | 5.605   | 27.212  | 14.771     | 6.973   | 29.288   | 16.335     | 0.103 | 263.341  | 6.655      | 0.103 | 252.761   | 5.884      | 0.103 | 0.121   | 0.0        | 0.103 | 0.116   | 0.0        |
| 18      | 3657        | 3658      | SN       | 1    | -34.985 | 23.31    | 0.002      | -34.9   | 23.34     | 0.005      | -4.514  | 30.769  | 8.651      | -5.553  | 29.067   | 9.353      | 0.103 | 266.191  | 5.312      | 0.103 | 261.041   | 4.558      | 0.103 | 0.325   | 0.0        | 0.103 | 0.389   | 0.0        |
| 19      | 3657        | 3658      | SN       | 1    | -34.985 | 23.31    | 0.003      | -34.9   | 23.34     | 0.006      | -4.514  | 30.769  | 9.047      | -5.553  | 29.067   | 10.733     | 0.103 | 266.191  | 5.612      | 0.103 | 261.041   | 4.956      | 0.103 | 0.325   | 0.0        | 0.103 | 0.389   | 0.0        |
| 20      | 3657        | 3658      | NS       | 1    | -34.36  | 25.571   | 0.155      | -34.83  | 26.37     | 0.672      | -5.041  | 28.991  | 9.737      | -4.652  | 29.905   | 16.987     | 0.103 | 230.557  | 1.117      | 0.103 | 256.863   | 0.871      | 0.103 | 0.355   | 0.0        | 0.103 | 0.333   | 0.0        |
| 21      | 3658        | 3659      | NS       | 1    | -34.071 | 25.349   | 0.313      | -31.992 | 26.969    | 0.559      | 7.327   | 28.694  | 9.547      | 7.898   | 31.708   | 24.132     | 0.103 | 215.683  | 1.255      | 0.103 | 133.653   | 1.133      | 0.103 | 0.115   | 0.0        | 0.102 | 0.113   | 0.0        |
| 22      | 3658        | 3659      | SN       | 1    | -34.905 | 22.616   | 0.005      | -34.984 | 24.517    | 0.072      | -3.129  | 35.037  | 11.478     | -2.286  | 36.383   | 18.623     | 0.103 | 261.361  | 3.18       | 0.103 | 266.085   | 2.753      | 0.102 | 0.262   | 0.0        | 0.102 | 0.232   | 0.0        |
| 23      | 3658        | 3659      | SN       | 1    | -34.905 | 22.616   | 0.005      | -34.984 | 24.517    | 0.062      | -3.128  | 35.037  | 11.017     | -2.286  | 36.383   | 17.835     | 0.103 | 261.361  | 3.206      | 0.103 | 266.085   | 2.582      | 0.102 | 0.261   | 0.0        | 0.102 | 0.232   | 0.0        |
| 24      | 3659        | 3660      | NS       | 1    | -34.946 | 23.835   | 0.083      | -34.176 | 26.104    | 0.199      | 1.871   | 28.279  | 18.923     | 0.471   | 30.111   | 46.679     | 0.103 | 263.827  | 2.654      | 0.103 | 220.974   | 2.341      | 0.103 | 0.149   | 0.0        | 0.103 | 0.168   | 0.0        |
| 25      | 3659        | 3660      | SN       | 1    | -34.682 | 24.953   | 0.061      | -34.963 | 26.244    | 0.097      | -19.291 | 29.116  | 13.826     | -11.536 | 30.812   | 17.106     | 0.103 | 248.289  | 3.587      | 0.103 | 264.86    | 2.932      | 0.103 | 7.254   | 0.003      | 0.103 | 1.284   | 0.002      |
| 26      | 3660        | 3661      | SN       | 2    | -34.84  | 27.976   | 0.041      | -34.566 | 28.521    | 0.052      | -2.388  | 28.148  | 13.949     | 0.463   | 30.176   | 14.238     | 0.103 | 257.453  | 5.183      | 0.103 | 241.703   | 4.06       | 0.103 | 0.235   | 0.0        | 0.103 | 0.169   | 0.0        |
| 27      | 3660        | 3661      | NS       | 1    | -34.495 | 24.895   | 0.19       | -34.301 | 25.716    | 0.295      | -27.072 | 28.765  | 11.0       | -34.074 | 33.233   | 27.511     | 0.103 | 237.813  | 2.003      | 0.103 | 227.444   | 1.381      | 0.103 | 43.107  | 0.103      | 0.102 | 215.806 | 0.094      |
| 28      | 3661        | 3662      | NS       | 1    | -33.034 | 23.635   | 0.02       | -34.769 | 26.793    | 0.047      | -21.43  | 27.684  | 14.731     | -11.115 | 32.178   | 23.868     | 0.103 | 169.938  | 0.909      | 0.103 | 253.307   | 0.887      | 0.103 | 11.819  | 0.022      | 0.102 | 1.174   | 0.002      |
| 29      | 3666        | 3667      | SN       | 1    | -33.881 | 24.905   | 0.195      | -34.733 | 26.85     | 1.164      | -24.526 | 28.603  | 8.564      | -31.427 | 30.184   | 15.748     | 0.103 | 206.476  | 1.399      | 0.103 | 251.17    | 0.962      | 0.103 | 24.024  | 0.039      | 0.103 | 117.394 | 0.033      |
| 30      | 3666        | 3667      | SN       | 1    | -33.881 | 24.905   | 0.187      | -34.733 | 26.85     | 1.109      | -24.526 | 28.603  | 8.483      | -31.427 | 30.184   | 15.22      | 0.103 | 206.476  | 1.328      | 0.103 | 251.17    | 0.917      | 0.103 | 24.024  | 0.04       | 0.103 | 117.394 | 0.034      |
| 31      | 3666        | 3667      | NS       | 1    | -34.722 | 27.908   | 0.025      | -34.258 | 30.139    | 0.049      | 0.667   | 35.007  | 12.001     | 4.117   | 32.682   | 30.227     | 0.103 | 250.599  | 3.97       | 0.103 | 225.171   | 3.177      | 0.102 | 0.165   | 0.0        | 0.102 | 0.13    | 0.0        |
| 32      | 3667        | 3668      | NS       | 1    | -33.24  | 27.981   | 0.068      | -34.399 | 28.954    | 0.072      | -13.07  | 31.042  | 6.315      | -9.226  | 31.383   | 20.725     | 0.103 | 178.142  | 1.58       | 0.103 | 232.573   | 1.31       | 0.103 | 1.793   | 0.002      | 0.103 | 0.789   | 0.0        |
| 33      | 3667        | 3668      | SN       | 1    | -33.848 | 26.429   | 0.128      | -33.969 | 26.217    | 0.263      | -2.865  | 33.069  | 6.805      | -4.116  | 33.019   | 3.765      | 0.103 | 204.906  | 1.489      | 0.103 | 210.67    | 1.185      | 0.102 | 0.252   | 0.0        | 0.102 | 0.305   | 0.0        |

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

- Normal
- Deviations
- Alarming
- High Errors

|    |      |      |    |   |         |        |       |         |        |       |         |        |        |         |        |        |       |         |       |       |         |       |       |        |       |       |         |       |
|----|------|------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|---------|-------|
| 34 | 3667 | 3668 | SN | 1 | -33.848 | 26.429 | 0.131 | -33.969 | 26.217 | 0.268 | -2.865  | 33.069 | 7.866  | -4.116  | 33.019 | 5.196  | 0.103 | 204.906 | 1.52  | 0.103 | 210.67  | 1.205 | 0.102 | 0.252  | 0.0   | 0.102 | 0.305   | 0.0   |
| 35 | 3668 | 3669 | SN | 1 | -34.057 | 24.356 | 0.079 | -34.634 | 26.244 | 0.164 | 7.74    | 28.224 | 10.389 | 8.181   | 29.022 | 6.094  | 0.103 | 215.002 | 1.341 | 0.103 | 245.521 | 0.941 | 0.103 | 0.114  | 0.0   | 0.103 | 0.113   | 0.0   |
| 36 | 3668 | 3669 | NS | 1 | -34.762 | 21.81  | 0.0   | -34.337 | 23.688 | 0.001 | -5.854  | 28.225 | 6.737  | -10.408 | 30.504 | 17.86  | 0.103 | 252.883 | 5.295 | 0.103 | 229.348 | 5.172 | 0.103 | 0.41   | 0.0   | 0.103 | 1.01    | 0.002 |
| 37 | 3668 | 3669 | SN | 1 | -34.057 | 24.356 | 0.08  | -34.634 | 26.244 | 0.166 | 7.74    | 28.224 | 11.988 | 8.181   | 29.022 | 7.18   | 0.103 | 215.002 | 1.364 | 0.103 | 245.521 | 0.938 | 0.103 | 0.114  | 0.0   | 0.103 | 0.113   | 0.0   |
| 38 | 3669 | 3670 | SN | 1 | -34.912 | 24.65  | 0.058 | -34.071 | 25.818 | 0.142 | 6.522   | 26.794 | 11.522 | 6.993   | 28.774 | 13.884 | 0.103 | 261.811 | 4.157 | 0.103 | 215.692 | 3.441 | 0.103 | 0.118  | 0.0   | 0.103 | 0.116   | 0.0   |
| 39 | 3669 | 3670 | NS | 1 | -34.973 | 20.308 | 0.0   | -31.934 | 22.068 | 0.002 | -9.19   | 28.318 | 4.412  | -7.982  | 29.489 | 12.264 | 0.103 | 265.482 | 1.257 | 0.103 | 131.903 | 1.352 | 0.103 | 0.783  | 0.0   | 0.103 | 0.614   | 0.0   |
| 40 | 3669 | 3670 | SN | 1 | -34.912 | 24.65  | 0.059 | -34.071 | 25.818 | 0.145 | 6.522   | 26.794 | 13.22  | 6.993   | 28.774 | 12.85  | 0.103 | 261.811 | 4.234 | 0.103 | 215.692 | 3.507 | 0.103 | 0.118  | 0.0   | 0.103 | 0.116   | 0.0   |
| 41 | 3670 | 3671 | NS | 1 | -34.702 | 20.034 | 0.0   | -34.11  | 21.709 | 0.0   | -23.632 | 28.013 | 3.948  | -28.715 | 29.622 | 15.737 | 0.103 | 249.42  | 2.808 | 0.103 | 217.643 | 2.621 | 0.103 | 19.568 | 0.017 | 0.103 | 62.902  | 0.015 |
| 42 | 3670 | 3671 | SN | 1 | -34.908 | 23.459 | 0.005 | -34.371 | 24.941 | 0.008 | 1.571   | 27.61  | 14.001 | 2.315   | 29.067 | 14.7   | 0.103 | 261.497 | 4.317 | 0.103 | 240.556 | 2.981 | 0.103 | 0.153  | 0.0   | 0.103 | 0.145   | 0.0   |
| 43 | 3670 | 3671 | SN | 1 | -34.908 | 23.459 | 0.005 | -34.371 | 24.941 | 0.009 | 1.571   | 27.61  | 14.424 | 2.315   | 29.067 | 17.423 | 0.103 | 261.497 | 4.442 | 0.103 | 240.556 | 3.081 | 0.103 | 0.153  | 0.0   | 0.103 | 0.145   | 0.0   |
| 44 | 3671 | 3672 | SN | 1 | -34.82  | 23.38  | 0.002 | -34.606 | 24.206 | 0.002 | 2.636   | 27.122 | 11.217 | 2.655   | 29.712 | 10.27  | 0.103 | 256.275 | 6.802 | 0.103 | 243.955 | 5.5   | 0.103 | 0.141  | 0.0   | 0.103 | 0.141   | 0.0   |
| 45 | 3671 | 3672 | NS | 1 | -34.673 | 22.879 | 0.038 | -34.34  | 23.244 | 0.102 | -9.297  | 28.951 | 5.665  | -4.713  | 29.712 | 14.758 | 0.103 | 247.764 | 1.568 | 0.103 | 229.497 | 1.373 | 0.103 | 0.801  | 0.0   | 0.103 | 0.336   | 0.0   |
| 46 | 3671 | 3672 | SN | 1 | -34.82  | 23.38  | 0.002 | -34.606 | 24.206 | 0.002 | 2.636   | 27.122 | 11.045 | 2.655   | 28.163 | 7.723  | 0.103 | 256.275 | 6.688 | 0.103 | 243.955 | 5.394 | 0.103 | 0.141  | 0.0   | 0.103 | 0.141   | 0.0   |
| 47 | 3672 | 3673 | SN | 1 | -34.898 | 22.863 | 0.017 | -34.765 | 24.386 | 0.046 | -7.334  | 29.294 | 9.131  | -4.132  | 33.51  | 12.273 | 0.103 | 260.957 | 3.542 | 0.103 | 253.061 | 2.931 | 0.103 | 0.541  | 0.0   | 0.102 | 0.305   | 0.0   |
| 48 | 3672 | 3673 | NS | 1 | -34.806 | 24.913 | 0.113 | -34.39  | 27.21  | 0.572 | 7.243   | 28.105 | 12.194 | 7.553   | 30.45  | 25.334 | 0.103 | 255.465 | 3.084 | 0.103 | 232.067 | 2.376 | 0.103 | 0.115  | 0.0   | 0.103 | 0.114   | 0.0   |
| 49 | 3672 | 3673 | SN | 1 | -34.898 | 22.863 | 0.018 | -34.765 | 24.386 | 0.05  | -7.334  | 29.294 | 9.028  | -4.132  | 33.51  | 13.182 | 0.103 | 260.957 | 3.689 | 0.103 | 253.061 | 2.892 | 0.103 | 0.541  | 0.0   | 0.102 | 0.305   | 0.0   |
| 50 | 3673 | 3674 | NS | 1 | -34.679 | 24.659 | 0.136 | -34.323 | 26.493 | 0.3   | -8.838  | 31.657 | 12.809 | -23.319 | 30.416 | 35.759 | 0.103 | 248.043 | 4.398 | 0.103 | 228.555 | 3.765 | 0.102 | 0.729  | 0.0   | 0.103 | 18.214  | 0.002 |
| 51 | 3673 | 3674 | SN | 1 | -34.77  | 24.837 | 0.112 | -34.547 | 26.966 | 0.197 | -8.524  | 28.657 | 11.718 | -15.242 | 29.743 | 19.338 | 0.103 | 253.351 | 2.663 | 0.103 | 240.675 | 2.286 | 0.103 | 0.684  | 0.0   | 0.103 | 2.905   | 0.001 |
| 52 | 3674 | 3675 | SN | 1 | -34.871 | 26.411 | 0.072 | -32.597 | 27.07  | 0.101 | -8.332  | 28.694 | 13.47  | -0.792  | 31.001 | 14.397 | 0.103 | 259.312 | 2.185 | 0.103 | 153.647 | 1.661 | 0.103 | 0.658  | 0.0   | 0.103 | 0.192   | 0.0   |
| 53 | 3674 | 3675 | NS | 1 | -34.985 | 24.63  | 0.072 | -34.36  | 26.511 | 0.191 | -15.372 | 32.111 | 17.863 | -12.597 | 30.331 | 36.54  | 0.103 | 266.246 | 1.578 | 0.103 | 230.521 | 1.41  | 0.102 | 2.99   | 0.013 | 0.103 | 1.617   | 0.006 |
| 54 | 3675 | 3676 | NS | 1 | -33.147 | 22.82  | 0.002 | -33.973 | 24.477 | 0.005 | -29.645 | 27.851 | 11.426 | -31.569 | 30.546 | 22.088 | 0.103 | 174.412 | 1.038 | 0.103 | 210.908 | 1.085 | 0.103 | 77.898 | 0.291 | 0.103 | 121.296 | 0.241 |

|                          |            |       |     |
|--------------------------|------------|-------|-----|
| 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     | 3651        | 3652      | SN   | 1    | 57.706          | 58.379 | 0.0       | 0.003         | 1.98    | 0.228     | 1233.832 | 1278.16  | 0.0       | -93.517  | -91.939 | 0.0       |
| 2     | 3651        | 3652      | SN   | 1    | 57.706          | 58.379 | 0.0       | 0.003         | 1.98    | 0.218     | 1233.832 | 1278.16  | 0.0       | -93.517  | -91.939 | 0.0       |
| 3     | 3652        | 3653      | SN   | 1    | 57.721          | 58.388 | 0.0       | 0.003         | 1.98    | 0.211     | 1233.904 | 1278.152 | 0.0       | -93.545  | -91.944 | 0.0       |
| 4     | 3652        | 3653      | NS   | 1    | 57.561          | 58.235 | 0.0       | 0.003         | 21.089  | 0.201     | 1206.216 | 1274.856 | 8.566     | -93.678  | -91.482 | 0.0       |
| 5     | 3652        | 3653      | SN   | 1    | 57.721          | 58.388 | 0.0       | 0.003         | 1.98    | 0.206     | 1233.904 | 1278.152 | 0.0       | -93.545  | -91.944 | 0.0       |
| 6     | 3653        | 3654      | NS   | 1    | 57.574          | 58.256 | 0.0       | 0.003         | 3.838   | 0.236     | 1206.552 | 1275.008 | 9.05      | -93.885  | -91.513 | 0.0       |
| 7     | 3653        | 3654      | SN   | 1    | 57.688          | 58.38  | 0.0       | 0.003         | 242.197 | 0.205     | 1233.28  | 1278.344 | 0.0       | -93.573  | -91.938 | 0.0       |
| 8     | 3653        | 3654      | SN   | 1    | 57.688          | 58.38  | 0.0       | 0.003         | 242.197 | 0.201     | 1233.28  | 1278.344 | 0.0       | -93.573  | -91.938 | 0.0       |
| 9     | 3654        | 3655      | NS   | 1    | 57.553          | 58.257 | 0.0       | 0.003         | 1.974   | 0.155     | 1207.104 | 1275.024 | 8.447     | -93.723  | -91.48  | 0.0       |
| 10    | 3654        | 3655      | SN   | 1    | 57.694          | 58.378 | 0.0       | 0.003         | 1.98    | 0.205     | 1233.456 | 1278.264 | 0.0       | -93.482  | -91.991 | 0.0       |
| 11    | 3654        | 3655      | SN   | 1    | 57.694          | 58.378 | 0.0       | 0.003         | 1.98    | 0.2       | 1233.456 | 1278.264 | 0.0       | -93.482  | -91.991 | 0.0       |
| 12    | 3655        | 3656      | SN   | 1    | 57.692          | 58.359 | 0.0       | 0.003         | 1.98    | 0.2       | 1233.528 | 1278.208 | 0.0       | -93.794  | -91.934 | 0.0       |
| 13    | 3655        | 3656      | SN   | 1    | 57.692          | 58.359 | 0.0       | 0.003         | 1.98    | 0.207     | 1233.528 | 1278.208 | 0.0       | -93.794  | -91.934 | 0.0       |
| 14    | 3655        | 3656      | NS   | 1    | 57.574          | 58.238 | 0.0       | 0.003         | 1.974   | 0.157     | 1207.12  | 1275.0   | 8.435     | -93.496  | -91.453 | 0.0       |
| 15    | 3656        | 3657      | NS   | 1    | 57.548          | 58.237 | 0.0       | 0.003         | 21.591  | 0.21      | 1206.944 | 1274.984 | 8.82      | -93.5    | -91.456 | 0.0       |
| 16    | 3656        | 3657      | SN   | 1    | 57.692          | 58.361 | 0.0       | 0.003         | 1.98    | 0.202     | 1233.464 | 1278.144 | 0.0       | -93.503  | -91.94  | 0.0       |
| 17    | 3656        | 3657      | SN   | 1    | 57.692          | 58.361 | 0.0       | 0.003         | 1.98    | 0.211     | 1233.464 | 1278.144 | 0.0       | -93.503  | -91.94  | 0.0       |
| 18    | 3657        | 3658      | SN   | 1    | 57.693          | 58.389 | 0.0       | 0.003         | 1.98    | 0.206     | 1233.224 | 1278.2   | 0.0       | -93.46   | -91.931 | 0.0       |
| 19    | 3657        | 3658      | SN   | 1    | 57.693          | 58.389 | 0.0       | 0.003         | 1.98    | 0.22      | 1233.224 | 1278.2   | 0.0       | -93.46   | -91.931 | 0.0       |
| 20    | 3657        | 3658      | NS   | 1    | 57.575          | 58.238 | 0.0       | 0.003         | 1.969   | 0.157     | 1206.184 | 1275.024 | 9.258     | -93.533  | -91.544 | 0.0       |
| 21    | 3658        | 3659      | NS   | 1    | 57.549          | 58.252 | 0.0       | 0.003         | 1.969   | 0.155     | 1206.184 | 1275.24  | 9.937     | -93.635  | -91.513 | 0.0       |
| 22    | 3658        | 3659      | SN   | 1    | 57.72           | 58.362 | 0.0       | 0.003         | 1.974   | 0.229     | 1233.72  | 1278.464 | 0.0       | -93.55   | -91.936 | 0.0       |
| 23    | 3658        | 3659      | SN   | 1    | 57.72           | 58.362 | 0.0       | 0.003         | 1.974   | 0.21      | 1233.72  | 1278.464 | 0.0       | -93.55   | -91.936 | 0.0       |
| 24    | 3659        | 3660      | NS   | 1    | 57.545          | 58.265 | 0.0       | 0.003         | 1.969   | 0.161     | 1206.672 | 1275.408 | 9.634     | -93.73   | -91.515 | 0.0       |
| 25    | 3659        | 3660      | SN   | 1    | 57.693          | 58.393 | 0.0       | 0.003         | 1.98    | 0.203     | 1233.896 | 1278.776 | 0.0       | -93.494  | -91.95  | 0.0       |
| 26    | 3660        | 3661      | SN   | 2    | 57.72           | 58.391 | 0.0       | 0.003         | 1.985   | 0.205     | 1234.12  | 1278.552 | 0.0       | -93.535  | -91.935 | 0.0       |
| 27    | 3660        | 3661      | NS   | 1    | 57.572          | 58.238 | 0.0       | 0.003         | 21.393  | 0.213     | 1206.056 | 1275.328 | 9.498     | -93.517  | -91.52  | 0.0       |
| 28    | 3661        | 3662      | NS   | 1    | 57.551          | 58.24  | 0.0       | 0.003         | 1.974   | 0.156     | 1206.12  | 1275.312 | 10.008    | -93.485  | -91.469 | 0.0       |
| 29    | 3666        | 3667      | SN   | 1    | 57.717          | 58.394 | 0.0       | 0.003         | 1.98    | 0.222     | 1234.064 | 1278.888 | 0.0       | -93.488  | -91.968 | 0.0       |
| 30    | 3666        | 3667      | SN   | 1    | 57.717          | 58.394 | 0.0       | 0.003         | 1.98    | 0.215     | 1234.064 | 1278.888 | 0.0       | -93.488  | -91.95  | 0.0       |
| 31    | 3666        | 3667      | NS   | 1    | 57.543          | 58.256 | 0.0       | 0.003         | 1.974   | 0.162     | 1205.632 | 1275.496 | 9.408     | -93.623  | -91.464 | 0.0       |
| 32    | 3667        | 3668      | NS   | 1    | 57.57           | 58.242 | 0.0       | 0.003         | 1.98    | 0.152     | 1206.384 | 1275.864 | 9.172     | -93.589  | -91.462 | 0.0       |
| 33    | 3667        | 3668      | SN   | 1    | 57.714          | 58.39  | 0.0       | 0.003         | 1.98    | 0.202     | 1233.264 | 1279.128 | 0.0       | -93.441  | -91.971 | 0.0       |
| 34    | 3667        | 3668      | SN   | 1    | 57.714          | 58.39  | 0.0       | 0.003         | 1.98    | 0.207     | 1233.264 | 1279.128 | 0.0       | -93.441  | -91.971 | 0.0       |

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

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

|    |      |      |    |   |        |        |     |       |        |       |          |          |        |         |         |     |
|----|------|------|----|---|--------|--------|-----|-------|--------|-------|----------|----------|--------|---------|---------|-----|
| 35 | 3668 | 3669 | SN | 1 | 57.699 | 58.383 | 0.0 | 0.003 | 1.98   | 0.2   | 1233.312 | 1279.136 | 0.0    | -93.533 | -91.948 | 0.0 |
| 36 | 3668 | 3669 | NS | 1 | 57.57  | 58.243 | 0.0 | 0.003 | 1.974  | 0.151 | 1206.256 | 1275.984 | 9.18   | -93.635 | -91.475 | 0.0 |
| 37 | 3668 | 3669 | SN | 1 | 57.699 | 58.383 | 0.0 | 0.003 | 1.98   | 0.205 | 1233.312 | 1279.136 | 0.0    | -93.533 | -92.008 | 0.0 |
| 38 | 3669 | 3670 | SN | 1 | 57.685 | 58.386 | 0.0 | 0.003 | 1.98   | 0.197 | 1233.016 | 1279.056 | 0.0    | -93.515 | -91.982 | 0.0 |
| 39 | 3669 | 3670 | NS | 1 | 57.548 | 58.244 | 0.0 | 0.003 | 1.974  | 0.157 | 1206.808 | 1275.968 | 8.567  | -93.563 | -91.461 | 0.0 |
| 40 | 3669 | 3670 | SN | 1 | 57.685 | 58.386 | 0.0 | 0.003 | 1.98   | 0.203 | 1233.016 | 1279.056 | 0.0    | -93.515 | -91.982 | 0.0 |
| 41 | 3670 | 3671 | NS | 1 | 57.544 | 58.244 | 0.0 | 0.003 | 1.969  | 0.159 | 1206.752 | 1275.936 | 9.701  | -93.475 | -91.532 | 0.0 |
| 42 | 3670 | 3671 | SN | 1 | 57.698 | 58.379 | 0.0 | 0.003 | 1.98   | 0.197 | 1232.856 | 1279.024 | 0.0    | -93.656 | -91.946 | 0.0 |
| 43 | 3670 | 3671 | SN | 1 | 57.698 | 58.379 | 0.0 | 0.003 | 1.98   | 0.205 | 1232.856 | 1279.024 | 0.0    | -93.656 | -91.946 | 0.0 |
| 44 | 3671 | 3672 | SN | 1 | 57.691 | 58.376 | 0.0 | 0.003 | 1.98   | 0.208 | 1232.696 | 1278.968 | 0.0    | -93.807 | -91.939 | 0.0 |
| 45 | 3671 | 3672 | NS | 1 | 57.557 | 58.242 | 0.0 | 0.003 | 1.969  | 0.158 | 1206.664 | 1275.928 | 9.855  | -93.517 | -91.476 | 0.0 |
| 46 | 3671 | 3672 | SN | 1 | 57.691 | 58.376 | 0.0 | 0.003 | 1.98   | 0.203 | 1232.696 | 1278.968 | 0.0    | -93.807 | -91.939 | 0.0 |
| 47 | 3672 | 3673 | SN | 1 | 57.696 | 58.398 | 0.0 | 0.003 | 1.974  | 0.211 | 1233.528 | 1279.104 | 0.0    | -93.464 | -91.937 | 0.0 |
| 48 | 3672 | 3673 | NS | 1 | 57.544 | 58.257 | 0.0 | 0.0   | 21.812 | 0.208 | 1205.784 | 1276.016 | 10.598 | -93.656 | -91.458 | 0.0 |
| 49 | 3672 | 3673 | SN | 1 | 57.696 | 58.398 | 0.0 | 0.003 | 1.974  | 0.222 | 1233.528 | 1279.104 | 0.0    | -93.464 | -91.937 | 0.0 |
| 50 | 3673 | 3674 | NS | 1 | 57.541 | 58.244 | 0.0 | 0.003 | 1.974  | 0.156 | 1206.376 | 1276.248 | 10.823 | -93.591 | -91.467 | 0.0 |
| 51 | 3673 | 3674 | SN | 1 | 57.716 | 58.394 | 0.0 | 0.003 | 1.98   | 0.206 | 1234.168 | 1279.448 | 0.0    | -93.597 | -91.953 | 0.0 |
| 52 | 3674 | 3675 | SN | 1 | 57.716 | 58.392 | 0.0 | 0.003 | 1.98   | 0.2   | 1233.928 | 1279.36  | 0.0    | -93.517 | -91.955 | 0.0 |
| 53 | 3674 | 3675 | NS | 1 | 57.553 | 58.243 | 0.0 | 0.003 | 1.974  | 0.162 | 1205.76  | 1276.24  | 9.988  | -93.651 | -91.521 | 0.0 |
| 54 | 3675 | 3676 | NS | 1 | 57.57  | 58.27  | 0.0 | 0.003 | 1.974  | 0.158 | 1205.8   | 1276.144 | 10.547 | -93.725 | -91.5   | 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       | 3651        | 3652      | SN       | 1    | -34.895 | 19.561   | 0.0        | -34.954 | 20.521    | 0.0        | -27.205 | 23.329  | 0.245      | -32.762 | 23.668   | 0.35       | 0.083 | 212.917  | 4.23       | 0.083 | 215.858   | 4.218      | 0.083 | 36.301 | 0.143      | 0.083 | 130.32  | 0.169      |
| 2       | 3651        | 3652      | SN       | 1    | -34.895 | 19.561   | 0.0        | -34.954 | 20.521    | 0.0        | -27.205 | 23.329  | 0.249      | -32.762 | 23.668   | 0.349      | 0.083 | 212.917  | 4.048      | 0.083 | 215.858   | 3.772      | 0.083 | 36.301 | 0.145      | 0.083 | 130.32  | 0.174      |
| 3       | 3652        | 3653      | SN       | 1    | -33.081 | 19.079   | 0.0        | -34.761 | 21.748    | 0.0        | -24.042 | 22.672  | 0.014      | -20.368 | 23.942   | 0.268      | 0.083 | 140.227  | 2.002      | 0.083 | 206.469   | 1.616      | 0.083 | 17.552 | 0.022      | 0.083 | 7.569   | 0.011      |
| 4       | 3652        | 3653      | NS       | 1    | -34.187 | 21.867   | 0.0        | -33.871 | 23.174    | 0.001      | -8.77   | 23.354  | 0.028      | -9.11   | 24.03    | 0.298      | 0.083 | 180.911  | 2.522      | 0.083 | 168.218   | 2.578      | 0.083 | 0.585  | 0.0        | 0.083 | 0.628   | 0.0        |
| 5       | 3652        | 3653      | SN       | 1    | -33.081 | 19.079   | 0.0        | -34.761 | 21.748    | 0.0        | -24.042 | 22.672  | 0.015      | -20.368 | 23.942   | 0.275      | 0.083 | 140.227  | 1.943      | 0.083 | 206.469   | 1.58       | 0.083 | 17.552 | 0.022      | 0.083 | 7.569   | 0.011      |
| 6       | 3653        | 3654      | NS       | 1    | -32.816 | 15.41    | 0.0        | -34.125 | 16.084    | 0.0        | -2.537  | 22.798  | 0.092      | -21.475 | 23.744   | 0.434      | 0.084 | 131.967  | 0.744      | 0.084 | 178.324   | 1.121      | 0.083 | 0.195  | 0.0        | 0.083 | 9.748   | 0.044      |
| 7       | 3653        | 3654      | SN       | 1    | -34.623 | 19.811   | 0.0        | -34.96  | 20.09     | 0.0        | 0.845   | 27.767  | 0.269      | 2.059   | 23.581   | 0.898      | 0.083 | 199.985  | 1.603      | 0.083 | 216.114   | 1.377      | 0.083 | 0.131  | 0.0        | 0.083 | 0.119   | 0.0        |
| 8       | 3653        | 3654      | SN       | 1    | -34.623 | 19.811   | 0.0        | -34.96  | 20.09     | 0.0        | 0.845   | 27.767  | 0.282      | 2.059   | 23.581   | 0.936      | 0.083 | 199.985  | 1.575      | 0.083 | 216.114   | 1.364      | 0.083 | 0.131  | 0.0        | 0.083 | 0.119   | 0.0        |
| 9       | 3654        | 3655      | NS       | 1    | -33.577 | 16.456   | 0.0        | -34.948 | 15.913    | 0.0        | -21.822 | 22.452  | 0.006      | -20.327 | 23.396   | 0.172      | 0.084 | 157.237  | 1.038      | 0.084 | 215.537   | 1.031      | 0.083 | 10.553 | 0.076      | 0.083 | 7.5     | 0.027      |
| 10      | 3654        | 3655      | SN       | 1    | -33.291 | 19.429   | 0.0        | -34.625 | 20.701    | 0.0        | 1.902   | 22.348  | 0.023      | 1.792   | 23.273   | 0.313      | 0.083 | 147.179  | 1.646      | 0.083 | 200.055   | 1.308      | 0.083 | 0.12   | 0.0        | 0.083 | 0.121   | 0.0        |
| 11      | 3654        | 3655      | SN       | 1    | -33.291 | 19.429   | 0.0        | -34.625 | 20.701    | 0.0        | 1.902   | 22.348  | 0.025      | 1.792   | 23.273   | 0.351      | 0.083 | 147.179  | 1.616      | 0.083 | 200.055   | 1.292      | 0.083 | 0.12   | 0.0        | 0.083 | 0.121   | 0.0        |
| 12      | 3655        | 3656      | SN       | 1    | -34.405 | 19.104   | 0.0        | -34.578 | 20.453    | 0.0        | 0.8     | 22.169  | 0.013      | -1.321  | 22.99    | 0.756      | 0.083 | 190.186  | 5.356      | 0.083 | 197.947   | 4.159      | 0.083 | 0.132  | 0.0        | 0.083 | 0.166   | 0.0        |
| 13      | 3655        | 3656      | SN       | 1    | -34.405 | 19.104   | 0.0        | -34.578 | 20.453    | 0.0        | 1.606   | 22.169  | 0.012      | -0.263  | 22.99    | 0.8        | 0.083 | 190.186  | 5.468      | 0.083 | 197.947   | 4.251      | 0.083 | 0.123  | 0.0        | 0.083 | 0.147   | 0.0        |
| 14      | 3655        | 3656      | NS       | 1    | -33.99  | 13.964   | 0.0        | -34.765 | 15.685    | 0.0        | -25.841 | 22.699  | 0.057      | -28.406 | 23.614   | 0.173      | 0.085 | 172.909  | 2.076      | 0.084 | 206.664   | 2.032      | 0.083 | 26.531 | 0.014      | 0.083 | 47.828  | 0.011      |
| 15      | 3656        | 3657      | NS       | 1    | -34.988 | 16.425   | 0.0        | -34.342 | 19.092    | 0.0        | -21.379 | 22.498  | 0.013      | -23.486 | 23.405   | 0.256      | 0.084 | 217.55   | 2.415      | 0.083 | 187.415   | 2.263      | 0.083 | 9.538  | 0.015      | 0.083 | 15.451  | 0.009      |
| 16      | 3656        | 3657      | SN       | 1    | -34.838 | 20.401   | 0.0        | -34.967 | 19.748    | 0.0        | -1.796  | 21.971  | 0.0        | -2.455  | 21.451   | 0.0        | 0.083 | 210.141  | 5.734      | 0.083 | 216.461   | 5.136      | 0.083 | 0.176  | 0.0        | 0.083 | 0.192   | 0.0        |
| 17      | 3656        | 3657      | SN       | 1    | -34.838 | 20.401   | 0.0        | -34.967 | 20.421    | 0.0        | 0.885   | 21.971  | 0.0        | -1.236  | 22.539   | 0.082      | 0.083 | 210.141  | 5.901      | 0.083 | 216.461   | 5.334      | 0.083 | 0.131  | 0.0        | 0.083 | 0.164   | 0.0        |
| 18      | 3657        | 3658      | SN       | 1    | -34.997 | 18.297   | 0.0        | -34.713 | 17.908    | 0.0        | -3.876  | 23.221  | 0.306      | -2.382  | 23.44    | 0.748      | 0.083 | 217.958  | 4.624      | 0.083 | 204.158   | 4.104      | 0.083 | 0.238  | 0.0        | 0.083 | 0.19    | 0.0        |
| 19      | 3657        | 3658      | SN       | 1    | -34.997 | 18.297   | 0.0        | -34.713 | 17.908    | 0.0        | -3.876  | 23.221  | 0.319      | -2.382  | 23.53    | 0.836      | 0.083 | 217.958  | 4.829      | 0.083 | 204.158   | 4.274      | 0.083 | 0.238  | 0.0        | 0.083 | 0.19    | 0.0        |
| 20      | 3657        | 3658      | NS       | 1    | -33.022 | 20.037   | 0.0        | -33.659 | 20.613    | 0.0        | -19.371 | 23.083  | 0.355      | -25.793 | 24.01    | 0.964      | 0.083 | 138.343  | 1.13       | 0.083 | 160.231   | 1.018      | 0.083 | 6.031  | 0.067      | 0.083 | 26.241  | 0.046      |
| 21      | 3658        | 3659      | NS       | 1    | -34.849 | 19.604   | 0.0        | -34.39  | 20.933    | 0.0        | 2.698   | 23.082  | 0.093      | 1.688   | 24.709   | 0.94       | 0.083 | 210.662  | 1.709      | 0.083 | 189.545   | 1.638      | 0.083 | 0.114  | 0.0        | 0.083 | 0.122   | 0.0        |
| 22      | 3658        | 3659      | SN       | 1    | -34.396 | 19.949   | 0.0        | -34.801 | 19.592    | 0.0        | -6.381  | 23.323  | 0.26       | -5.691  | 25.277   | 1.281      | 0.083 | 189.798  | 3.352      | 0.083 | 208.376   | 3.352      | 0.083 | 0.367  | 0.0        | 0.083 | 0.324   | 0.0        |
| 23      | 3658        | 3659      | SN       | 1    | -34.396 | 19.949   | 0.0        | -34.801 | 19.592    | 0.0        | -6.381  | 23.323  | 0.247      | -5.691  | 25.277   | 0.913      | 0.083 | 189.798  | 3.375      | 0.083 | 208.376   | 3.048      | 0.083 | 0.367  | 0.0        | 0.083 | 0.324   | 0.0        |
| 24      | 3659        | 3660      | NS       | 1    | -34.478 | 20.308   | 0.0        | -34.227 | 21.069    | 0.0        | 1.096   | 22.664  | 0.035      | 1.272   | 24.362   | 1.976      | 0.083 | 193.387  | 2.299      | 0.083 | 182.565   | 2.123      | 0.083 | 0.128  | 0.0        | 0.083 | 0.127   | 0.0        |
| 25      | 3659        | 3660      | SN       | 1    | -34.9   | 21.114   | 0.0        | -34.23  | 21.406    | 0.0        | -26.302 | 23.413  | 0.119      | -6.37   | 24.434   | 0.861      | 0.083 | 213.125  | 2.744      | 0.083 | 182.726   | 2.423      | 0.083 | 29.493 | 0.018      | 0.083 | 0.366   | 0.0        |
| 26      | 3660        | 3661      | SN       | 2    | -34.922 | 21.94    | 0.0        | -34.86  | 22.89     | 0.002      | -5.467  | 23.013  | 0.168      | -4.446  | 23.982   | 0.378      | 0.083 | 214.197  | 4.185      | 0.083 | 211.18    | 3.516      | 0.083 | 0.311  | 0.0        | 0.083 | 0.261   | 0.0        |
| 27      | 3660        | 3661      | NS       | 1    | -34.75  | 19.672   | 0.0        | -32.923 | 20.854    | 0.0        | -19.288 | 22.687  | 0.03       | -23.22  | 24.848   | 2.445      | 0.083 | 205.915  | 1.903      | 0.083 | 135.226   | 1.643      | 0.083 | 5.916  | 0.046      | 0.083 | 14.535  | 0.028      |
| 28      | 3661        | 3662      | NS       | 1    | -32.417 | 16.9     | 0.0        | -34.677 | 17.958    | 0.0        | -17.99  | 22.475  | 0.02       | -10.922 | 24.765   | 2.076      | 0.084 | 120.359  | 0.964      | 0.083 | 202.479   | 1.104      | 0.083 | 4.405  | 0.014      | 0.083 | 0.918   | 0.0        |
| 29      | 3666        | 3667      | SN       | 1    | -34.68  | 19.785   | 0.0        | -34.937 | 20.572    | 0.0        | -21.854 | 22.39   | 0.036      | -34.566 | 24.212   | 0.219      | 0.083 | 202.67   | 2.4        | 0.083 | 214.992   | 1.778      | 0.083 | 10.63  | 0.02       | 0.083 | 197.352 | 0.02       |
| 30      | 3666        | 3667      | SN       | 1    | -34.68  | 19.785   | 0.0        | -34.937 | 20.572    | 0.0        | -21.854 | 22.39   | 0.037      | -34.566 | 24.212   | 0.22       | 0.083 | 202.67   | 2.303      | 0.083 | 214.992   | 1.698      | 0.083 | 10.63  | 0.021      | 0.083 | 197.352 | 0.02       |
| 31      | 3666        | 3667      | NS       | 1    | -33.681 | 21.969   | 0.0        | -33.978 | 22.384    | 0.004      | -1.618  | 23.552  | 0.033      | -0.877  | 23.838   | 0.439      | 0.083 | 161.009  | 3.113      | 0.083 | 172.418   | 3.043      | 0.083 | 0.172  | 0.0        | 0.083 | 0.157   | 0.0        |
| 32      | 3667        | 3668      | NS       | 1    | -34.648 | 21.87    | 0.0        | -34.467 | 22.421    | 0.004      | -5.592  | 22.874  | 0.032      | -7.701  | 24.233   | 0.264      | 0.083 | 201.17   | 1.36       | 0.083 | 192.932   | 1.225      | 0.083 | 0.318  | 0.0        | 0.083 | 0.473   | 0.0        |

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

|    |      |      |    |   |         |        |     |         |        |     |         |        |       |         |        |       |       |         |       |       |         |       |       |        |       |       |        |       |
|----|------|------|----|---|---------|--------|-----|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 33 | 3667 | 3668 | SN | 1 | -33.91  | 19.277 | 0.0 | -33.423 | 20.913 | 0.0 | -8.805  | 22.607 | 0.018 | -4.039  | 24.147 | 0.389 | 0.083 | 169.729 | 1.292 | 0.083 | 151.722 | 1.095 | 0.083 | 0.59   | 0.0   | 0.083 | 0.244  | 0.0   |
| 34 | 3667 | 3668 | SN | 1 | -33.91  | 19.277 | 0.0 | -33.423 | 20.913 | 0.0 | -8.805  | 22.607 | 0.018 | -4.039  | 24.147 | 0.38  | 0.083 | 169.729 | 1.318 | 0.083 | 151.722 | 1.093 | 0.083 | 0.59   | 0.0   | 0.083 | 0.244  | 0.0   |
| 35 | 3668 | 3669 | SN | 1 | -33.904 | 19.251 | 0.0 | -34.131 | 20.543 | 0.0 | 1.286   | 22.33  | 0.006 | 1.592   | 23.023 | 0.314 | 0.083 | 169.479 | 1.197 | 0.083 | 178.575 | 0.922 | 0.083 | 0.126  | 0.0   | 0.083 | 0.123  | 0.0   |
| 36 | 3668 | 3669 | NS | 1 | -33.981 | 14.123 | 0.0 | -34.868 | 15.815 | 0.0 | -5.642  | 22.112 | 0.006 | -24.688 | 23.471 | 0.142 | 0.085 | 172.53  | 3.618 | 0.084 | 211.54  | 3.689 | 0.083 | 0.321  | 0.0   | 0.083 | 20.361 | 0.038 |
| 37 | 3668 | 3669 | SN | 1 | -34.671 | 19.251 | 0.0 | -34.131 | 20.543 | 0.0 | 1.286   | 22.56  | 0.015 | 1.592   | 23.023 | 0.287 | 0.083 | 202.209 | 1.219 | 0.083 | 178.575 | 0.931 | 0.083 | 0.126  | 0.0   | 0.083 | 0.123  | 0.0   |
| 38 | 3669 | 3670 | SN | 1 | -34.628 | 19.496 | 0.0 | -34.999 | 20.623 | 0.0 | -3.417  | 22.616 | 0.166 | -3.654  | 22.832 | 0.698 | 0.083 | 200.19  | 3.213 | 0.083 | 218.089 | 2.948 | 0.083 | 0.221  | 0.0   | 0.083 | 0.23   | 0.0   |
| 39 | 3669 | 3670 | NS | 1 | -34.79  | 13.832 | 0.0 | -34.246 | 16.446 | 0.0 | -23.414 | 23.02  | 0.019 | -20.101 | 23.434 | 0.158 | 0.085 | 207.848 | 1.738 | 0.084 | 183.32  | 1.906 | 0.083 | 15.197 | 0.039 | 0.083 | 7.123  | 0.027 |
| 40 | 3669 | 3670 | SN | 1 | -34.628 | 19.496 | 0.0 | -34.999 | 20.623 | 0.0 | -3.417  | 22.616 | 0.157 | -3.654  | 22.832 | 0.646 | 0.083 | 200.19  | 3.271 | 0.083 | 218.089 | 2.999 | 0.083 | 0.221  | 0.0   | 0.083 | 0.23   | 0.0   |
| 41 | 3670 | 3671 | NS | 1 | -33.85  | 14.559 | 0.0 | -34.601 | 15.948 | 0.0 | -19.34  | 22.884 | 0.028 | -30.706 | 23.034 | 0.128 | 0.084 | 167.359 | 2.08  | 0.084 | 199.022 | 2.239 | 0.083 | 5.988  | 0.024 | 0.083 | 81.184 | 0.02  |
| 42 | 3670 | 3671 | SN | 1 | -34.94  | 19.491 | 0.0 | -34.973 | 20.271 | 0.0 | -1.349  | 21.892 | 0.0   | -1.752  | 22.825 | 0.045 | 0.083 | 215.119 | 3.753 | 0.083 | 216.738 | 2.831 | 0.083 | 0.166  | 0.0   | 0.083 | 0.175  | 0.0   |
| 43 | 3670 | 3671 | SN | 1 | -34.94  | 19.491 | 0.0 | -34.973 | 20.271 | 0.0 | -1.349  | 21.892 | 0.0   | -1.752  | 23.021 | 0.531 | 0.083 | 215.119 | 3.842 | 0.083 | 216.738 | 2.915 | 0.083 | 0.166  | 0.0   | 0.083 | 0.175  | 0.0   |
| 44 | 3671 | 3672 | SN | 1 | -34.987 | 20.04  | 0.0 | -34.973 | 18.004 | 0.0 | -2.589  | 23.159 | 0.114 | -1.462  | 23.165 | 0.166 | 0.083 | 217.465 | 5.098 | 0.083 | 216.787 | 4.595 | 0.083 | 0.196  | 0.0   | 0.083 | 0.169  | 0.0   |
| 45 | 3671 | 3672 | NS | 1 | -34.391 | 20.108 | 0.0 | -34.369 | 20.609 | 0.0 | -24.286 | 23.717 | 0.258 | -15.081 | 23.493 | 0.569 | 0.083 | 189.581 | 1.378 | 0.083 | 188.669 | 1.289 | 0.083 | 18.566 | 0.041 | 0.083 | 2.286  | 0.002 |
| 46 | 3671 | 3672 | SN | 1 | -34.987 | 18.799 | 0.0 | -34.973 | 18.004 | 0.0 | -2.589  | 23.159 | 0.114 | -1.462  | 23.165 | 0.171 | 0.083 | 217.465 | 5.046 | 0.083 | 216.787 | 4.613 | 0.083 | 0.196  | 0.0   | 0.083 | 0.169  | 0.0   |
| 47 | 3672 | 3673 | SN | 1 | -34.911 | 17.52  | 0.0 | -34.897 | 18.631 | 0.0 | -7.175  | 23.683 | 0.309 | -2.446  | 23.714 | 0.962 | 0.083 | 213.719 | 3.605 | 0.083 | 212.983 | 3.703 | 0.083 | 0.427  | 0.0   | 0.083 | 0.192  | 0.0   |
| 48 | 3672 | 3673 | NS | 1 | -34.854 | 20.342 | 0.0 | -34.784 | 20.801 | 0.0 | 2.264   | 22.995 | 0.373 | 2.53    | 24.112 | 1.406 | 0.083 | 210.895 | 2.353 | 0.083 | 207.505 | 1.849 | 0.083 | 0.117  | 0.0   | 0.083 | 0.115  | 0.0   |
| 49 | 3672 | 3673 | SN | 1 | -34.911 | 17.52  | 0.0 | -34.897 | 18.631 | 0.0 | -7.175  | 23.683 | 0.31  | -2.446  | 23.714 | 1.105 | 0.083 | 213.719 | 3.606 | 0.083 | 212.983 | 3.46  | 0.083 | 0.427  | 0.0   | 0.083 | 0.192  | 0.0   |
| 50 | 3673 | 3674 | NS | 1 | -34.685 | 19.786 | 0.0 | -34.982 | 20.405 | 0.0 | -6.423  | 23.368 | 0.282 | -5.255  | 24.257 | 1.773 | 0.083 | 202.897 | 3.708 | 0.083 | 217.203 | 3.223 | 0.083 | 0.37   | 0.0   | 0.083 | 0.3    | 0.0   |
| 51 | 3673 | 3674 | SN | 1 | -34.75  | 19.752 | 0.0 | -33.817 | 20.295 | 0.0 | -8.024  | 23.105 | 0.102 | -8.358  | 24.237 | 0.988 | 0.083 | 205.903 | 2.514 | 0.083 | 166.106 | 2.397 | 0.083 | 0.504  | 0.0   | 0.083 | 0.539  | 0.0   |
| 52 | 3674 | 3675 | SN | 1 | -34.912 | 19.604 | 0.0 | -34.209 | 19.963 | 0.0 | -22.071 | 23.194 | 0.108 | -4.84   | 23.824 | 0.593 | 0.083 | 213.802 | 2.722 | 0.083 | 181.806 | 2.347 | 0.083 | 11.173 | 0.018 | 0.083 | 0.279  | 0.0   |
| 53 | 3674 | 3675 | NS | 1 | -33.695 | 19.376 | 0.0 | -34.84  | 20.416 | 0.0 | -7.229  | 22.549 | 0.049 | -6.39   | 24.531 | 2.793 | 0.083 | 161.496 | 1.74  | 0.083 | 210.254 | 1.687 | 0.083 | 0.431  | 0.0   | 0.083 | 0.368  | 0.0   |
| 54 | 3675 | 3676 | NS | 1 | -31.916 | 19.131 | 0.0 | -34.029 | 19.46  | 0.0 | -28.109 | 23.218 | 0.011 | -25.867 | 24.584 | 2.092 | 0.083 | 107.273 | 1.146 | 0.083 | 174.435 | 1.155 | 0.083 | 44.675 | 0.16  | 0.083 | 26.692 | 0.094 |

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

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