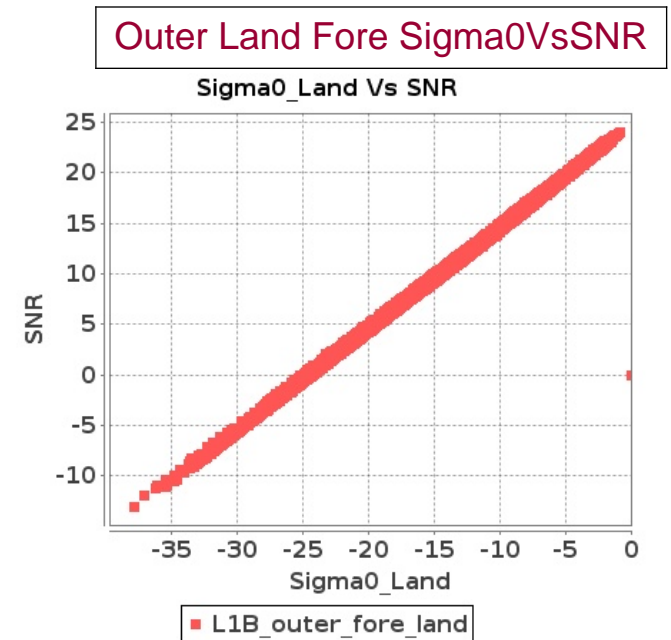
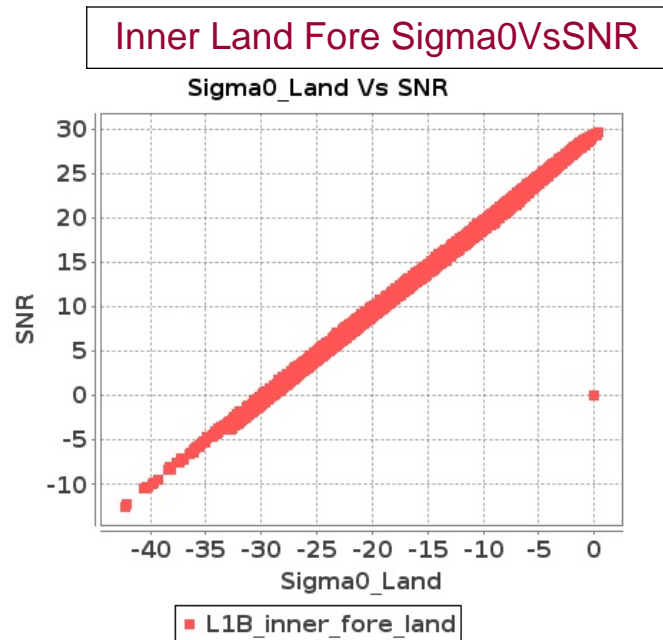
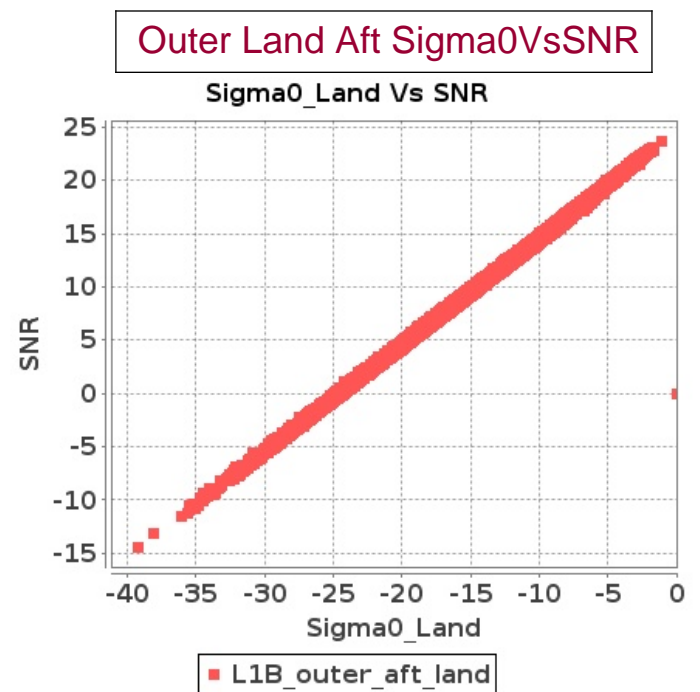
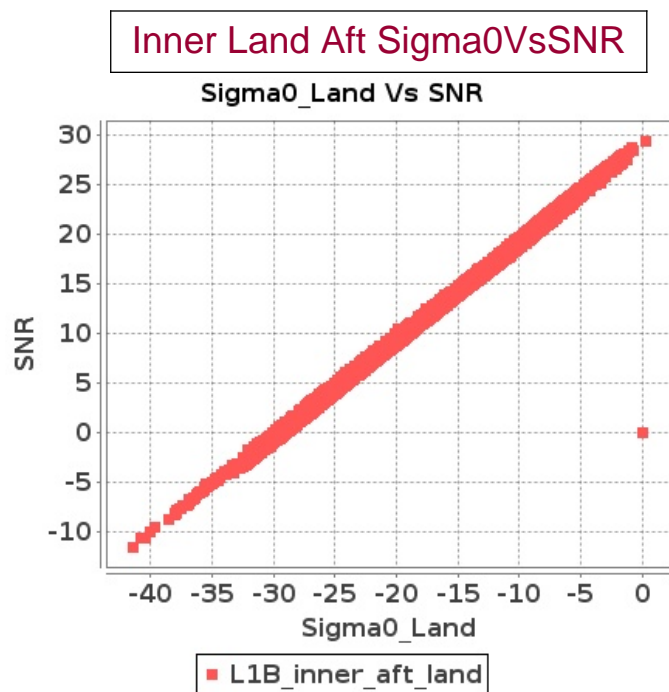
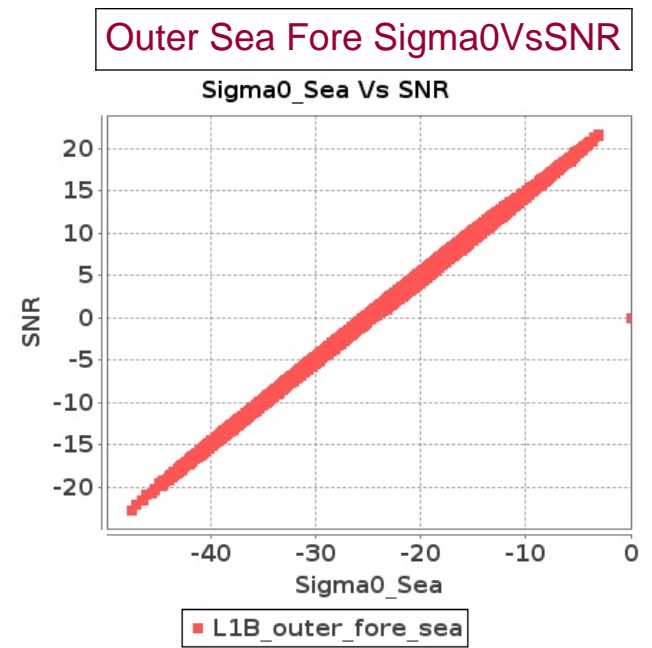
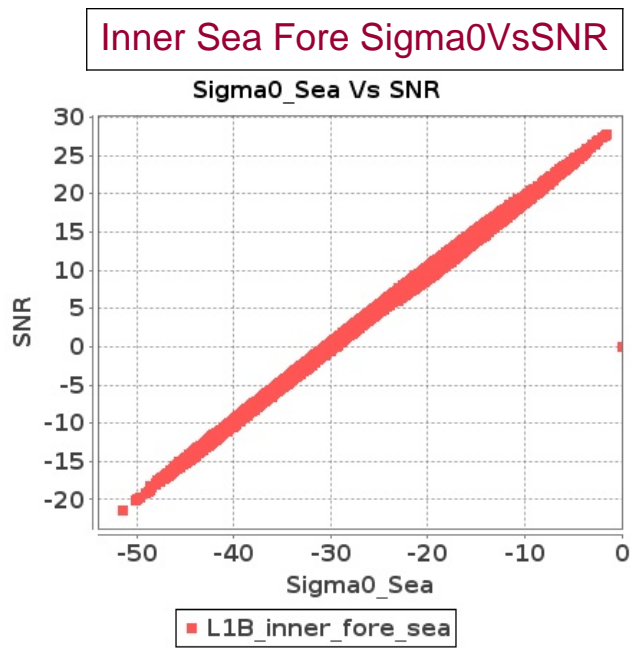
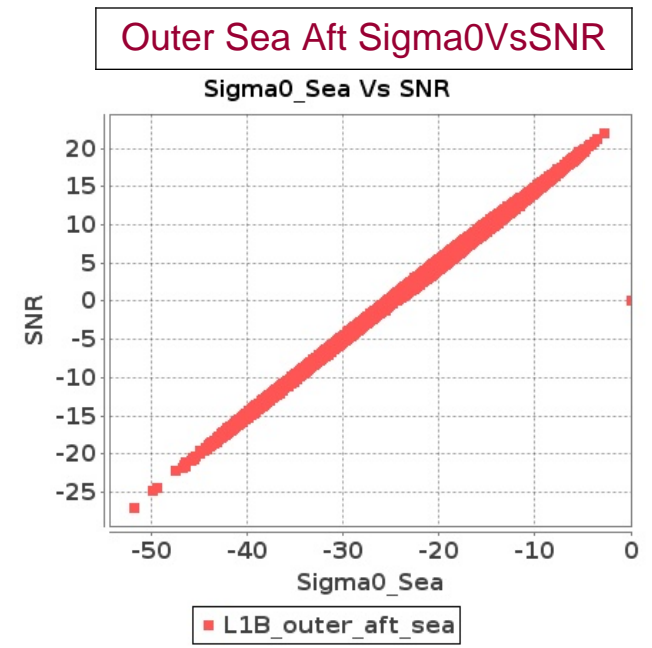
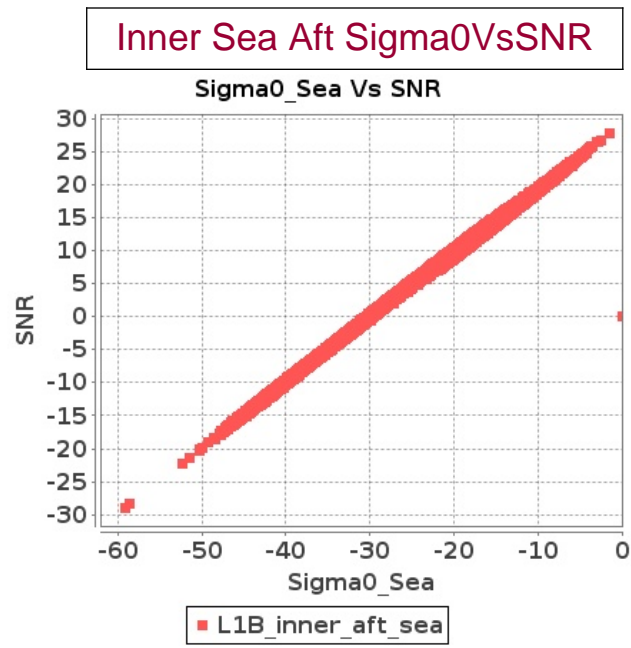
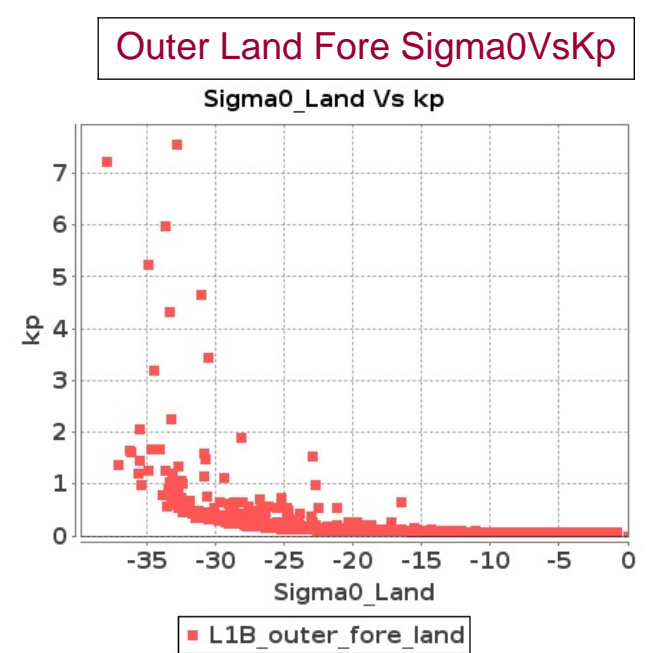
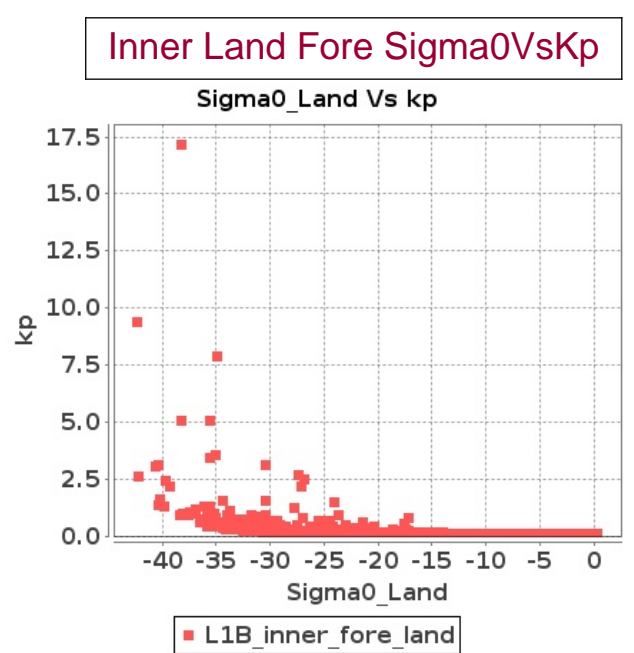
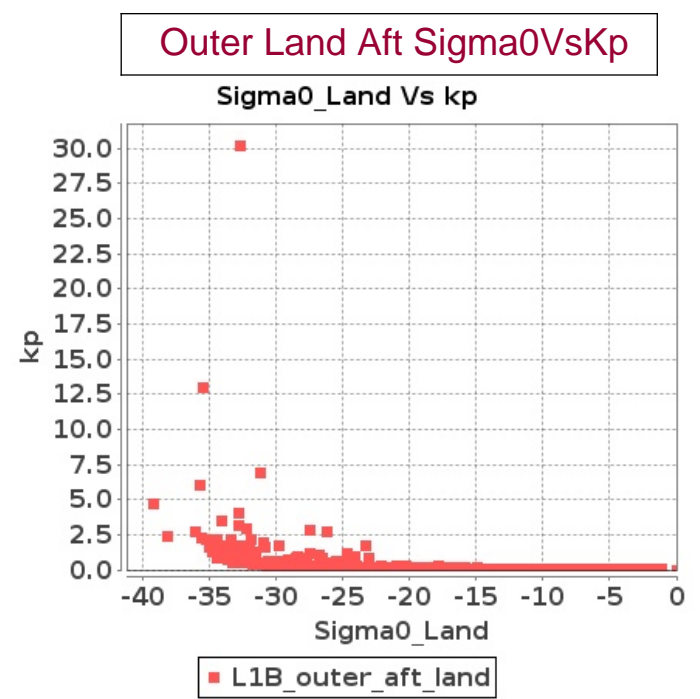
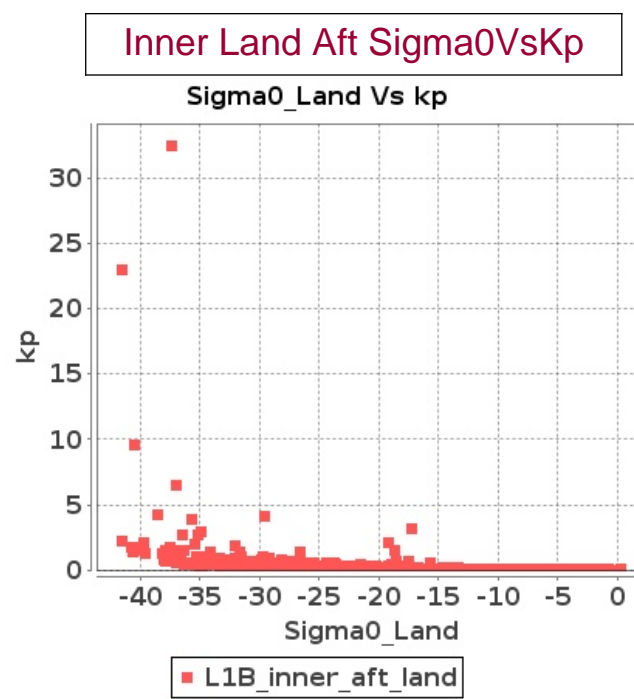
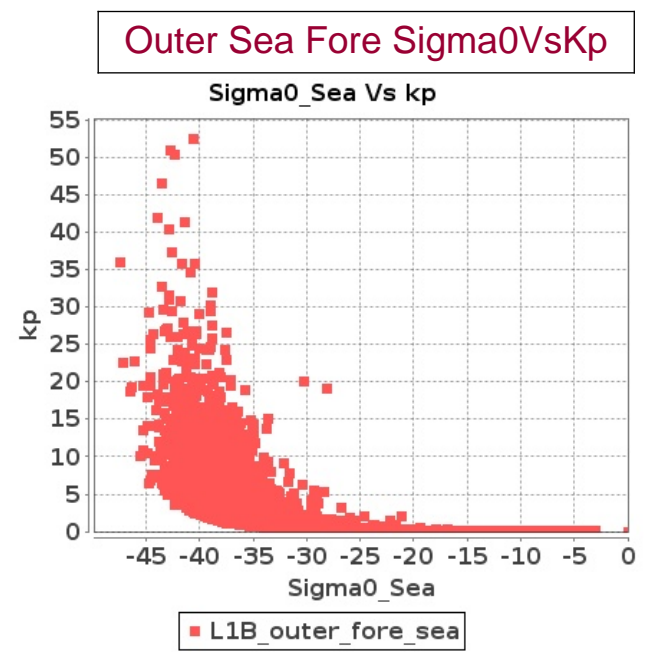
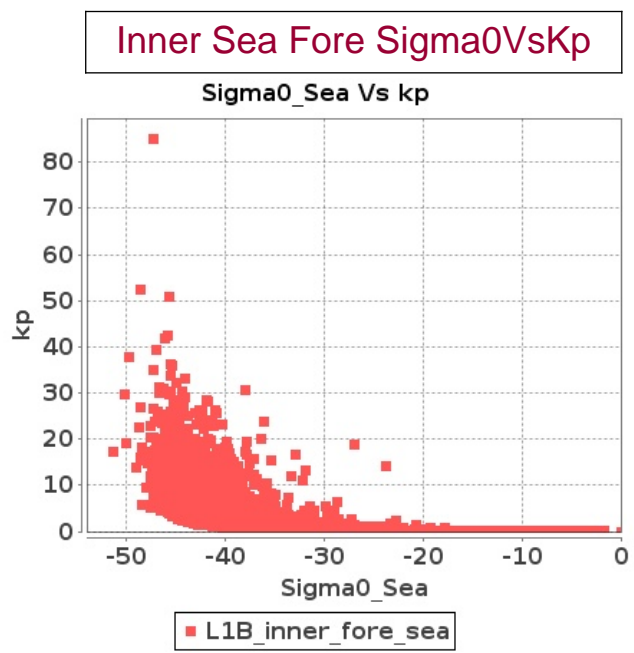
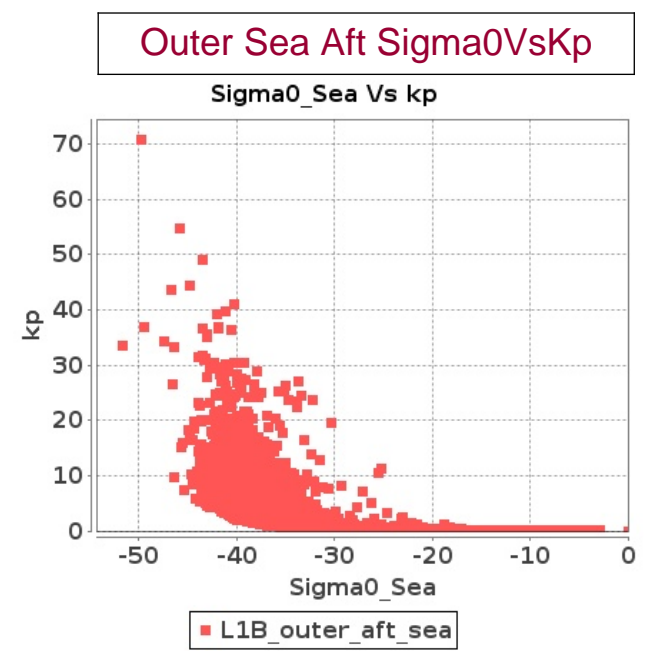
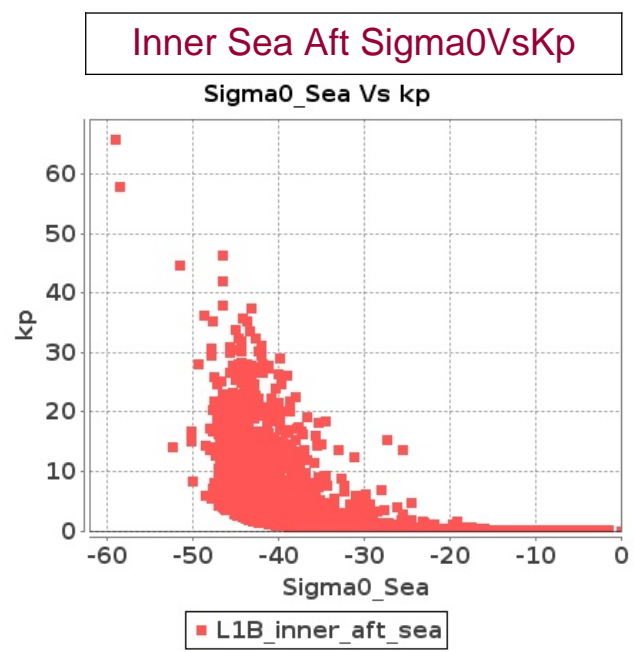


# SCATSAT-1 Scatterometer Level-1B Data Quality Cycle wise Report

Report between 18-APR-2017 To 19-APR-2017





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

Report between 18-APR-2017 To 19-APR-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     | 2956        | 2957      | SN   | 1    | 48.733          | 49.299 | 0.0       | 0.003         | 1.803   | 0.143     | 1030.384 | 1078.104 | 0.0       | -91.507  | -89.981 | 0.0       |
| 2     | 2957        | 2958      | NS   | 1    | 48.86           | 49.377 | 0.0       | 0.003         | 1.809   | 0.181     | 1050.92  | 1080.256 | 0.0       | -91.243  | -90.278 | 0.0       |
| 3     | 2958        | 2959      | NS   | 1    | 48.859          | 49.385 | 0.0       | 0.003         | 1.809   | 0.181     | 1051.056 | 1080.248 | 0.0       | -91.255  | -90.242 | 0.0       |
| 4     | 2958        | 2959      | SN   | 1    | 48.722          | 49.3   | 0.0       | 0.003         | 6.938   | 0.145     | 1029.96  | 1078.12  | 0.0       | -91.394  | -89.996 | 0.0       |
| 5     | 2960        | 2961      | SN   | 1    | 48.72           | 49.34  | 0.0       | 0.003         | 6.43    | 0.145     | 1030.128 | 1077.72  | 0.0       | -91.301  | -89.989 | 0.0       |
| 6     | 2961        | 2962      | NS   | 1    | 48.814          | 49.389 | 0.0       | 0.003         | 1.809   | 0.188     | 1051.552 | 1079.776 | 0.0       | -91.44   | -90.279 | 0.0       |
| 7     | 2962        | 2963      | SN   | 1    | 48.727          | 49.298 | 0.0       | 0.003         | 6.872   | 0.151     | 1030.36  | 1077.384 | 0.0       | -91.072  | -89.985 | 0.0       |
| 8     | 2963        | 2964      | SN   | 2    | 48.751          | 49.352 | 0.0       | 0.003         | 1.809   | 0.137     | 1030.44  | 1077.512 | 0.0       | -91.14   | -90.085 | 0.0       |
| 9     | 2963        | 2964      | NS   | 1    | 48.825          | 49.361 | 0.0       | 0.003         | 6.37    | 0.201     | 1051.488 | 1079.784 | 0.0       | -91.165  | -90.247 | 0.0       |
| 10    | 2970        | 2971      | SN   | 1    | 48.723          | 49.298 | 0.0       | 0.003         | 6.778   | 0.156     | 1031.456 | 1077.208 | 0.0       | -91.088  | -89.958 | 0.0       |
| 11    | 2970        | 2971      | NS   | 2    | 48.816          | 49.358 | 0.0       | 0.003         | 1.809   | 0.193     | 1050.688 | 1079.32  | 0.0       | -91.926  | -90.256 | 0.0       |
| 12    | 2971        | 2972      | NS   | 1    | 48.859          | 49.381 | 0.0       | 0.003         | 1.809   | 0.184     | 1050.728 | 1079.408 | 0.0       | -91.233  | -90.215 | 0.0       |
| 13    | 2971        | 2972      | SN   | 2    | 48.733          | 49.342 | 0.0       | 0.003         | 6.783   | 0.149     | 1030.624 | 1077.464 | 0.0       | -91.03   | -89.993 | 0.0       |
| 14    | 2972        | 2973      | SN   | 1    | 48.714          | 49.34  | 0.0       | 0.003         | 1.803   | 0.134     | 1029.48  | 1077.408 | 0.0       | -91.34   | -89.999 | 0.0       |
| 15    | 2972        | 2973      | NS   | 1    | 48.863          | 49.363 | 0.0       | 0.003         | 1.809   | 0.182     | 1051.208 | 1079.608 | 0.0       | -91.467  | -90.141 | 0.0       |
| 16    | 2973        | 2974      | SN   | 1    | 48.718          | 49.294 | 0.0       | 0.003         | 195.06  | 0.137     | 1030.672 | 1077.304 | 0.0       | -91.106  | -90.087 | 0.0       |
| 17    | 2973        | 2974      | NS   | 1    | 48.864          | 49.397 | 0.0       | 0.003         | 6.419   | 0.197     | 1051.04  | 1079.536 | 0.0       | -91.259  | -90.179 | 0.0       |
| 18    | 2974        | 2975      | SN   | 1    | 48.751          | 49.344 | 0.0       | 0.003         | 1.803   | 0.136     | 1030.816 | 1076.976 | 0.0       | -91.502  | -90.003 | 0.0       |
| 19    | 2974        | 2975      | NS   | 1    | 48.821          | 49.394 | 0.0       | 0.003         | 1.809   | 0.185     | 1051.712 | 1079.344 | 0.0       | -91.545  | -90.2   | 0.0       |
| 20    | 2975        | 2976      | SN   | 1    | 48.723          | 49.297 | 0.0       | 0.003         | 1.803   | 0.14      | 1030.712 | 1076.848 | 0.0       | -91.436  | -90.012 | 0.0       |
| 21    | 2976        | 2977      | NS   | 1    | 48.829          | 49.385 | 0.0       | 0.003         | 1.809   | 0.186     | 1050.968 | 1079.096 | 0.0       | -91.899  | -90.204 | 0.0       |
| 22    | 2976        | 2977      | SN   | 1    | 48.715          | 49.296 | 0.0       | 0.003         | 1.809   | 0.145     | 1030.792 | 1077.128 | 0.0       | -91.312  | -89.964 | 0.0       |
| 23    | 2977        | 2978      | SN   | 1    | 48.736          | 49.297 | 0.0       | 0.003         | 6.872   | 0.151     | 1030.88  | 1077.256 | 0.0       | -91.118  | -89.988 | 0.0       |
| 24    | 2977        | 2978      | NS   | 1    | 48.846          | 49.359 | 0.0       | 0.003         | 1.809   | 0.187     | 1050.872 | 1079.16  | 0.0       | -91.222  | -90.184 | 0.0       |
| 25    | 2978        | 2979      | NS   | 1    | 48.841          | 49.411 | 0.0       | 0.003         | 1.809   | 0.191     | 1050.976 | 1079.152 | 0.0       | -91.249  | -90.141 | 0.0       |
| 26    | 2978        | 2979      | SN   | 1    | 48.737          | 49.324 | 0.0       | 0.003         | 274.697 | 0.135     | 1031.016 | 1077.28  | 0.0       | -91.147  | -89.986 | 0.0       |
| 27    | 2979        | 2980      | SN   | 1    | 48.741          | 49.298 | 0.0       | 0.003         | 1.809   | 0.136     | 1030.808 | 1076.24  | 0.0       | -91.41   | -90.093 | 0.0       |
| 28    | 2979        | 2980      | NS   | 1    | 48.848          | 49.356 | 0.0       | 0.003         | 1.809   | 0.19      | 1050.68  | 1078.992 | 0.0       | -91.424  | -90.209 | 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       | 2956        | 2957      | SN       | 1    | -33.78  | 26.287   | 0.861      | -34.812 | 26.746    | 1.247      | -26.518 | 30.784  | 14.64      | -25.536 | 30.243   | 15.355     | 0.103 | 201.745  | 3.726      | 0.103 | 255.767   | 3.5        | 0.103 | 37.964 | 0.115      | 0.103 | 30.291 | 0.083      |
| 2       | 2957        | 2958      | NS       | 1    | -34.851 | 24.619   | 0.017      | -34.829 | 26.723    | 0.042      | -16.458 | 29.154  | 6.375      | -2.642  | 29.662   | 13.18      | 0.103 | 258.044  | 5.607      | 0.103 | 256.81    | 4.792      | 0.103 | 3.817  | 0.002      | 0.103 | 0.244  | 0.0        |
| 3       | 2958        | 2959      | NS       | 1    | -34.665 | 25.801   | 0.018      | -34.717 | 27.016    | 0.019      | -2.913  | 28.895  | 7.473      | -16.245 | 29.317   | 13.954     | 0.103 | 247.319  | 8.158      | 0.103 | 250.323   | 8.183      | 0.103 | 0.253  | 0.0        | 0.103 | 3.637  | 0.002      |
| 4       | 2958        | 2959      | SN       | 1    | -34.97  | 26.779   | 0.23       | -34.533 | 26.623    | 0.254      | 8.328   | 28.72   | 16.058     | 7.483   | 29.058   | 9.325      | 0.103 | 265.262  | 3.336      | 0.103 | 239.885   | 3.043      | 0.103 | 0.112  | 0.0        | 0.103 | 0.115  | 0.0        |
| 5       | 2960        | 2961      | SN       | 1    | -34.962 | 25.852   | 0.021      | -34.909 | 26.703    | 0.034      | 6.247   | 27.931  | 16.298     | 7.899   | 28.411   | 18.543     | 0.103 | 264.748  | 3.59       | 0.103 | 261.579   | 3.538      | 0.103 | 0.119  | 0.0        | 0.103 | 0.113  | 0.0        |
| 6       | 2961        | 2962      | NS       | 1    | -34.834 | 25.702   | 0.7        | -34.267 | 25.868    | 0.963      | -6.443  | 28.928  | 8.566      | -6.701  | 28.691   | 13.189     | 0.103 | 257.106  | 1.736      | 0.103 | 225.657   | 1.784      | 0.103 | 0.457  | 0.0        | 0.103 | 0.499  | 0.0        |
| 7       | 2962        | 2963      | SN       | 1    | -34.897 | 25.076   | 0.256      | -34.685 | 25.405    | 0.292      | 6.753   | 30.317  | 10.665     | 7.427   | 31.542   | 11.391     | 0.103 | 260.866  | 5.716      | 0.103 | 248.401   | 4.812      | 0.103 | 0.117  | 0.0        | 0.103 | 0.115  | 0.0        |
| 8       | 2963        | 2964      | SN       | 2    | -34.784 | 26.683   | 0.47       | -34.236 | 27.144    | 0.506      | -8.836  | 31.298  | 13.583     | -6.923  | 32.484   | 14.205     | 0.103 | 254.209  | 5.053      | 0.103 | 224.029   | 4.488      | 0.103 | 0.729  | 0.0        | 0.102 | 0.5    | 0.0        |
| 9       | 2963        | 2964      | NS       | 1    | -34.685 | 26.64    | 0.391      | -34.32  | 27.252    | 0.464      | 2.141   | 28.85   | 12.624     | 4.202   | 29.695   | 21.07      | 0.103 | 248.42   | 3.337      | 0.103 | 228.375   | 2.915      | 0.103 | 0.146  | 0.0        | 0.103 | 0.129  | 0.0        |
| 10      | 2970        | 2971      | SN       | 1    | -33.421 | 26.612   | 1.37       | -33.647 | 26.818    | 1.78       | -18.264 | 28.202  | 11.653     | -17.618 | 29.636   | 14.287     | 0.103 | 185.756  | 1.775      | 0.103 | 195.61    | 1.179      | 0.103 | 5.741  | 0.012      | 0.103 | 4.96   | 0.003      |
| 11      | 2970        | 2971      | NS       | 2    | -34.857 | 28.55    | 0.347      | -34.666 | 28.628    | 0.359      | 3.119   | 29.774  | 12.04      | 2.799   | 30.691   | 19.883     | 0.103 | 258.49   | 7.507      | 0.103 | 247.418   | 7.43       | 0.103 | 0.137  | 0.0        | 0.103 | 0.14   | 0.0        |
| 12      | 2971        | 2972      | NS       | 1    | -34.985 | 26.62    | 0.034      | -34.665 | 28.296    | 0.049      | -2.178  | 31.666  | 6.603      | -2.227  | 30.366   | 14.606     | 0.103 | 266.195  | 7.339      | 0.103 | 247.303   | 6.974      | 0.102 | 0.229  | 0.0        | 0.103 | 0.23   | 0.0        |
| 13      | 2971        | 2972      | SN       | 2    | -34.911 | 26.677   | 1.104      | -34.996 | 27.456    | 1.417      | 7.325   | 31.541  | 12.968     | 7.627   | 30.261   | 10.099     | 0.103 | 261.691  | 7.674      | 0.103 | 266.861   | 7.121      | 0.103 | 0.115  | 0.0        | 0.103 | 0.114  | 0.0        |
| 14      | 2972        | 2973      | SN       | 1    | -34.832 | 26.34    | 0.441      | -34.489 | 27.761    | 0.439      | 7.796   | 31.756  | 14.341     | 7.019   | 29.172   | 9.051      | 0.103 | 256.978  | 3.991      | 0.103 | 237.45    | 3.598      | 0.102 | 0.114  | 0.0        | 0.103 | 0.116  | 0.0        |
| 15      | 2972        | 2973      | NS       | 1    | -34.912 | 27.042   | 0.024      | -34.733 | 27.546    | 0.03       | -15.728 | 28.835  | 7.101      | -11.002 | 30.241   | 13.162     | 0.103 | 261.783  | 4.691      | 0.103 | 251.225   | 4.602      | 0.103 | 3.239  | 0.003      | 0.103 | 1.145  | 0.002      |
| 16      | 2973        | 2974      | SN       | 1    | -34.933 | 25.778   | 0.216      | -34.761 | 26.612    | 0.235      | 6.533   | 27.678  | 13.27      | 6.878   | 28.668   | 6.883      | 0.103 | 263.044  | 3.168      | 0.103 | 252.794   | 2.713      | 0.103 | 0.118  | 0.0        | 0.103 | 0.116  | 0.0        |
| 17      | 2973        | 2974      | NS       | 1    | -34.812 | 27.088   | 0.022      | -34.761 | 27.2      | 0.034      | -7.662  | 28.355  | 7.273      | -10.719 | 29.056   | 12.649     | 0.103 | 255.76   | 8.06       | 0.103 | 252.836   | 9.159      | 0.103 | 0.577  | 0.0        | 0.103 | 1.078  | 0.002      |
| 18      | 2974        | 2975      | SN       | 1    | -34.914 | 26.76    | 0.289      | -34.772 | 26.381    | 0.32       | 7.124   | 28.225  | 16.232     | 7.966   | 28.685   | 19.101     | 0.103 | 261.92   | 3.728      | 0.103 | 253.425   | 3.366      | 0.103 | 0.116  | 0.0        | 0.103 | 0.113  | 0.0        |
| 19      | 2974        | 2975      | NS       | 1    | -34.824 | 20.868   | 0.0        | -34.779 | 20.914    | 0.0        | -14.641 | 28.162  | 3.953      | -20.05  | 29.223   | 8.066      | 0.103 | 256.485  | 4.58       | 0.103 | 253.873   | 4.838      | 0.103 | 2.539  | 0.004      | 0.103 | 8.624  | 0.002      |
| 20      | 2975        | 2976      | SN       | 1    | -34.459 | 25.15    | 0.009      | -32.997 | 25.244    | 0.008      | 6.29    | 28.753  | 15.957     | 7.769   | 28.454   | 14.625     | 0.103 | 235.851  | 1.412      | 0.103 | 168.477   | 1.219      | 0.103 | 0.119  | 0.0        | 0.103 | 0.114  | 0.0        |
| 21      | 2976        | 2977      | NS       | 1    | -34.747 | 27.197   | 0.419      | -34.789 | 27.269    | 0.672      | 1.81    | 29.124  | 18.034     | 1.139   | 29.508   | 22.118     | 0.103 | 251.997  | 3.449      | 0.103 | 254.438   | 3.302      | 0.103 | 0.15   | 0.0        | 0.103 | 0.158  | 0.0        |
| 22      | 2976        | 2977      | SN       | 1    | -34.734 | 25.402   | 0.291      | -34.914 | 26.197    | 0.263      | -1.536  | 29.508  | 10.865     | 0.936   | 31.407   | 11.218     | 0.103 | 251.325  | 6.139      | 0.103 | 261.916   | 5.222      | 0.103 | 0.21   | 0.0        | 0.103 | 0.161  | 0.0        |
| 23      | 2977        | 2978      | SN       | 1    | -34.468 | 26.927   | 0.407      | -34.984 | 27.344    | 0.495      | 7.158   | 32.15   | 18.389     | 7.483   | 32.186   | 21.888     | 0.103 | 236.365  | 8.607      | 0.103 | 266.066   | 8.089      | 0.102 | 0.116  | 0.0        | 0.102 | 0.115  | 0.0        |
| 24      | 2977        | 2978      | NS       | 1    | -34.102 | 26.723   | 1.236      | -33.505 | 26.909    | 1.423      | -2.053  | 29.297  | 10.563     | 1.53    | 30.04    | 17.1       | 0.103 | 217.243  | 1.369      | 0.103 | 199.908   | 1.201      | 0.103 | 0.225  | 0.0        | 0.103 | 0.153  | 0.0        |
| 25      | 2978        | 2979      | NS       | 1    | -34.232 | 25.732   | 0.332      | -34.411 | 27.333    | 0.382      | 6.23    | 28.77   | 19.758     | 7.84    | 29.533   | 34.016     | 0.103 | 223.811  | 3.701      | 0.103 | 233.229   | 3.006      | 0.103 | 0.119  | 0.0        | 0.103 | 0.114  | 0.0        |
| 26      | 2978        | 2979      | SN       | 1    | -34.956 | 27.118   | 0.183      | -34.645 | 27.76     | 0.253      | -9.319  | 28.753  | 17.0       | -9.034  | 29.799   | 14.297     | 0.103 | 264.387  | 6.854      | 0.103 | 246.154   | 6.211      | 0.103 | 0.804  | 0.0        | 0.103 | 0.759  | 0.0        |
| 27      | 2979        | 2980      | SN       | 1    | -34.951 | 28.59    | 0.097      | -34.734 | 28.614    | 0.166      | -2.795  | 28.898  | 14.577     | -4.078  | 28.824   | 9.895      | 0.103 | 264.137  | 5.397      | 0.103 | 251.259   | 4.688      | 0.103 | 0.249  | 0.0        | 0.103 | 0.303  | 0.0        |
| 28      | 2979        | 2980      | NS       | 1    | -34.606 | 26.118   | 0.316      | -34.688 | 26.129    | 0.342      | -27.405 | 29.133  | 12.59      | -24.418 | 29.924   | 22.699     | 0.103 | 243.999  | 7.363      | 0.103 | 248.611   | 7.258      | 0.103 | 46.531 | 0.028      | 0.103 | 23.434 | 0.039      |

| 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     | 2956        | 2957      | SN   | 1    | 57.602          | 58.234 | 0.0       | 0.003         | 1.969  | 0.21      | 1209.992 | 1268.744 | 0.0       | -93.067  | -92.002 | 0.0       |
| 2     | 2957        | 2958      | NS   | 1    | 57.76           | 58.331 | 0.0       | 0.003         | 1.974  | 0.147     | 1234.688 | 1271.944 | 0.0       | -93.24   | -92.293 | 0.0       |
| 3     | 2958        | 2959      | NS   | 1    | 57.759          | 58.338 | 0.0       | 0.003         | 1.974  | 0.15      | 1234.776 | 1271.936 | 0.0       | -93.129  | -92.251 | 0.0       |
| 4     | 2958        | 2959      | SN   | 1    | 57.592          | 58.235 | 0.0       | 0.003         | 343.75 | 0.206     | 1209.208 | 1268.712 | 0.001     | -93.037  | -92.022 | 0.0       |
| 5     | 2960        | 2961      | SN   | 1    | 57.592          | 58.249 | 0.0       | 0.003         | 11.124 | 0.204     | 1209.744 | 1268.184 | 0.001     | -93.064  | -92.016 | 0.0       |
| 6     | 2961        | 2962      | NS   | 1    | 57.728          | 58.334 | 0.0       | 0.003         | 1.98   | 0.158     | 1235.344 | 1271.376 | 0.0       | -93.119  | -92.293 | 0.0       |
| 7     | 2962        | 2963      | SN   | 1    | 57.598          | 58.248 | 0.0       | 0.003         | 16.159 | 0.216     | 1209.928 | 1267.776 | 0.001     | -93.058  | -91.985 | 0.0       |
| 8     | 2963        | 2964      | SN   | 2    | 57.622          | 58.249 | 0.0       | 0.003         | 1.969  | 0.203     | 1210.24  | 1267.92  | 0.0       | -92.949  | -92.102 | 0.0       |
| 9     | 2963        | 2964      | NS   | 1    | 57.741          | 58.322 | 0.0       | 0.003         | 21.619 | 0.204     | 1234.816 | 1271.368 | 0.0       | -93.123  | -92.273 | 0.0       |
| 10    | 2970        | 2971      | SN   | 1    | 57.602          | 58.246 | 0.0       | 0.003         | 14.957 | 0.22      | 1211.144 | 1267.576 | 0.0       | -92.935  | -91.99  | 0.0       |
| 11    | 2970        | 2971      | NS   | 2    | 57.738          | 58.313 | 0.0       | 0.003         | 1.974  | 0.159     | 1234.288 | 1270.792 | 0.0       | -92.997  | -92.286 | 0.0       |
| 12    | 2971        | 2972      | NS   | 1    | 57.761          | 58.326 | 0.0       | 0.003         | 1.974  | 0.151     | 1234.616 | 1270.896 | 0.0       | -93.098  | -92.246 | 0.0       |
| 13    | 2971        | 2972      | SN   | 2    | 57.611          | 58.255 | 0.0       | 0.003         | 14.747 | 0.211     | 1210.096 | 1267.928 | 0.0       | -93.0    | -92.02  | 0.0       |
| 14    | 2972        | 2973      | SN   | 1    | 57.589          | 58.244 | 0.0       | 0.003         | 1.974  | 0.198     | 1209.816 | 1267.856 | 0.0       | -92.958  | -92.027 | 0.0       |
| 15    | 2972        | 2973      | NS   | 1    | 57.764          | 58.324 | 0.0       | 0.003         | 1.974  | 0.148     | 1234.048 | 1271.176 | 0.0       | -93.176  | -92.177 | 0.0       |
| 16    | 2973        | 2974      | SN   | 1    | 57.595          | 58.23  | 0.0       | 0.003         | 1.969  | 0.199     | 1210.28  | 1267.736 | 0.0       | -92.997  | -92.101 | 0.0       |
| 17    | 2973        | 2974      | NS   | 1    | 57.748          | 58.325 | 0.0       | 0.003         | 21.161 | 0.202     | 1235.032 | 1271.088 | 0.0       | -93.126  | -92.2   | 0.0       |
| 18    | 2974        | 2975      | SN   | 1    | 57.605          | 58.253 | 0.0       | 0.003         | 1.974  | 0.197     | 1209.976 | 1267.352 | 0.0       | -93.081  | -92.03  | 0.0       |
| 19    | 2974        | 2975      | NS   | 1    | 57.763          | 58.311 | 0.0       | 0.003         | 1.974  | 0.154     | 1235.744 | 1270.832 | 0.0       | -93.357  | -92.23  | 0.0       |
| 20    | 2975        | 2976      | SN   | 1    | 57.598          | 58.23  | 0.0       | 0.003         | 1.974  | 0.202     | 1210.08  | 1267.208 | 0.0       | -93.118  | -92.04  | 0.0       |
| 21    | 2976        | 2977      | NS   | 1    | 57.729          | 58.329 | 0.0       | 0.003         | 1.98   | 0.156     | 1234.704 | 1270.52  | 0.0       | -93.158  | -92.215 | 0.0       |
| 22    | 2976        | 2977      | SN   | 1    | 57.555          | 58.23  | 0.0       | 0.003         | 1.974  | 0.214     | 1210.312 | 1267.536 | 0.0       | -93.078  | -91.991 | 0.0       |
| 23    | 2977        | 2978      | SN   | 1    | 57.625          | 58.231 | 0.0       | 0.003         | 16.016 | 0.237     | 1210.352 | 1267.704 | 0.0       | -92.853  | -92.011 | 0.0       |
| 24    | 2977        | 2978      | NS   | 1    | 57.749          | 58.335 | 0.0       | 0.003         | 1.98   | 0.154     | 1234.656 | 1270.608 | 0.0       | -93.11   | -92.213 | 0.0       |
| 25    | 2978        | 2979      | NS   | 1    | 57.749          | 58.335 | 0.0       | 0.003         | 1.974  | 0.16      | 1235.152 | 1270.592 | 0.0       | -93.022  | -92.173 | 0.0       |
| 26    | 2978        | 2979      | SN   | 1    | 57.625          | 58.232 | 0.0       | 0.003         | 1.969  | 0.199     | 1210.608 | 1267.736 | 0.0       | -92.943  | -92.012 | 0.0       |
| 27    | 2979        | 2980      | SN   | 1    | 57.606          | 58.242 | 0.0       | 0.003         | 1.974  | 0.194     | 1210.6   | 1266.552 | 0.0       | -93.141  | -92.107 | 0.0       |
| 28    | 2979        | 2980      | NS   | 1    | 57.735          | 58.325 | 0.0       | 0.003         | 1.974  | 0.158     | 1234.616 | 1270.384 | 0.0       | -93.143  | -92.24  | 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    | 2956        | 2957      | SN   | 1    | -34.674 | 21.205 | 0.0        | -34.704  | 21.058 | 0.0        | -26.384  | 23.413 | 0.127      | -26.577   | 23.711 | 0.189      | 0.08    | 196.095 | 3.61       | 0.08     | 197.44  | 3.419      | 0.08     | 29.121  | 0.067      | 0.08      | 30.45   | 0.057      |
| 2    | 2957        | 2958      | NS   | 1    | -34.946 | 20.046 | 0.0        | -34.178  | 21.238 | 0.0        | -32.129  | 22.882 | 0.037      | -22.736   | 23.269 | 0.084      | 0.08    | 208.803 | 3.968      | 0.08     | 174.959 | 4.164      | 0.08     | 109.184 | 0.021      | 0.08      | 12.608  | 0.017      |
| 3    | 2958        | 2959      | NS   | 1    | -34.781 | 20.527 | 0.0        | -34.832  | 19.61  | 0.0        | -9.28    | 22.048 | 0.002      | -29.011   | 22.885 | 0.036      | 0.08    | 201.016 | 7.39       | 0.08     | 203.384 | 6.873      | 0.08     | 0.63    | 0.0        | 0.08      | 53.27   | 0.034      |
| 4    | 2958        | 2959      | SN   | 1    | -34.967 | 20.772 | 0.0        | -34.072  | 20.648 | 0.0        | 1.948    | 22.766 | 0.047      | 1.496     | 22.602 | 0.073      | 0.08    | 209.781 | 2.96       | 0.08     | 170.728 | 2.695      | 0.08     | 0.116   | 0.0        | 0.08      | 0.12    | 0.0        |
| 5    | 2960        | 2961      | SN   | 1    | -34.937 | 20.108 | 0.0        | -34.946  | 20.695 | 0.0        | 1.38     | 22.351 | 0.009      | 2.729     | 22.407 | 0.052      | 0.08    | 208.383 | 3.393      | 0.08     | 208.81  | 3.126      | 0.08     | 0.121   | 0.0        | 0.08      | 0.11    | 0.0        |
| 6    | 2961        | 2962      | NS   | 1    | -34.663 | 20.835 | 0.0        | -34.742  | 20.8   | 0.0        | -19.574  | 23.454 | 0.412      | -27.078   | 23.451 | 0.377      | 0.08    | 195.606 | 1.41       | 0.08     | 199.22  | 1.564      | 0.08     | 6.12    | 0.027      | 0.08      | 34.166  | 0.026      |
| 7    | 2962        | 2963      | SN   | 1    | -33.998 | 19.39  | 0.0        | -34.897  | 19.958 | 0.0        | 1.708    | 23.583 | 0.489      | 2.123     | 23.962 | 0.962      | 0.08    | 167.866 | 5.962      | 0.08     | 206.464 | 5.373      | 0.08     | 0.118   | 0.0        | 0.08      | 0.114   | 0.0        |
| 8    | 2963        | 2964      | SN   | 2    | -34.866 | 20.476 | 0.0        | -34.891  | 20.815 | 0.0        | -23.228  | 23.595 | 0.241      | -18.615   | 23.773 | 0.642      | 0.08    | 204.95  | 5.491      | 0.08     | 206.118 | 5.122      | 0.08     | 14.116  | 0.022      | 0.08      | 4.919   | 0.019      |
| 9    | 2963        | 2964      | NS   | 1    | -34.837 | 19.992 | 0.0        | -34.977  | 20.436 | 0.0        | 0.738    | 23.236 | 0.371      | 1.915     | 23.711 | 0.967      | 0.08    | 203.563 | 2.698      | 0.08     | 210.263 | 2.571      | 0.08     | 0.128   | 0.0        | 0.08      | 0.116   | 0.0        |
| 10   | 2970        | 2971      | SN   | 1    | -34.058 | 20.436 | 0.0        | -34.396  | 20.877 | 0.0        | -15.013  | 23.657 | 0.113      | -18.516   | 23.484 | 0.174      | 0.08    | 170.205 | 2.433      | 0.08     | 183.941 | 1.767      | 0.08     | 2.182   | 0.005      | 0.08      | 4.81    | 0.006      |
| 11   | 2970        | 2971      | NS   | 2    | -34.803 | 22.13  | 0.001      | -34.985  | 22.577 | 0.002      | 2.875    | 23.453 | 0.193      | 1.762     | 24.073 | 0.451      | 0.08    | 202.024 | 5.778      | 0.08     | 210.685 | 6.242      | 0.08     | 0.109   | 0.0        | 0.08      | 0.118   | 0.0        |
| 12   | 2971        | 2972      | NS   | 1    | -34.68  | 22.28  | 0.003      | -34.699  | 22.577 | 0.012      | -10.068  | 22.73  | 0.034      | -15.038   | 23.154 | 0.079      | 0.08    | 196.397 | 6.916      | 0.08     | 197.223 | 6.604      | 0.08     | 0.76    | 0.0        | 0.08      | 2.194   | 0.003      |
| 13   | 2971        | 2972      | SN   | 2    | -34.894 | 20.919 | 0.0        | -34.898  | 21.565 | 0.0        | 1.95     | 23.363 | 0.084      | 2.681     | 23.785 | 0.22       | 0.08    | 206.272 | 6.348      | 0.08     | 206.51  | 5.821      | 0.08     | 0.116   | 0.0        | 0.08      | 0.11    | 0.0        |
| 14   | 2972        | 2973      | SN   | 1    | -34.98  | 21.137 | 0.0        | -34.86   | 21.425 | 0.0        | 3.398    | 22.978 | 0.281      | 3.012     | 23.208 | 0.464      | 0.08    | 210.45  | 3.351      | 0.08     | 204.708 | 3.123      | 0.08     | 0.105   | 0.0        | 0.08      | 0.108   | 0.0        |
| 15   | 2972        | 2973      | NS   | 1    | -34.744 | 19.587 | 0.0        | -34.937  | 19.302 | 0.0        | -7.11    | 23.261 | 0.074      | -33.967   | 23.759 | 0.156      | 0.08    | 199.263 | 3.572      | 0.08     | 208.365 | 4.019      | 0.08     | 0.408   | 0.0        | 0.08      | 166.664 | 0.07       |
| 16   | 2973        | 2974      | SN   | 1    | -34.645 | 20.264 | 0.0        | -34.857  | 20.512 | 0.0        | 1.354    | 22.74  | 0.068      | 1.94      | 22.665 | 0.136      | 0.08    | 194.775 | 3.035      | 0.08     | 204.519 | 2.533      | 0.08     | 0.122   | 0.0        | 0.08      | 0.116   | 0.0        |
| 17   | 2973        | 2974      | NS   | 1    | -34.99  | 19.38  | 0.0        | -34.931  | 20.251 | 0.0        | -24.233  | 22.673 | 0.015      | -21.46    | 22.617 | 0.046      | 0.08    | 210.886 | 6.069      | 0.08     | 208.047 | 6.988      | 0.08     | 17.777  | 0.04       | 0.08      | 9.415   | 0.072      |
| 18   | 2974        | 2975      | SN   | 1    | -34.652 | 20.493 | 0.0        | -34.32   | 20.73  | 0.0        | 0.823    | 22.382 | 0.035      | 2.847     | 22.848 | 0.136      | 0.08    | 195.133 | 2.926      | 0.08     | 180.763 | 2.754      | 0.08     | 0.127   | 0.0        | 0.08      | 0.109   | 0.0        |
| 19   | 2974        | 2975      | NS   | 1    | -34.646 | 14.474 | 0.0        | -34.734  | 14.921 | 0.0        | -28.977  | 22.901 | 0.042      | -20.742   | 23.052 | 0.061      | 0.082   | 194.846 | 4.13       | 0.081    | 198.872 | 4.233      | 0.08     | 52.866  | 0.009      | 0.08      | 7.988   | 0.007      |
| 20   | 2975        | 2976      | SN   | 1    | -34.424 | 20.469 | 0.0        | -34.19   | 20.571 | 0.0        | 0.944    | 22.119 | 0.013      | 3.326     | 21.397 | 0.0        | 0.08    | 185.142 | 1.395      | 0.08     | 175.444 | 1.176      | 0.08     | 0.126   | 0.0        | 0.08      | 0.106   | 0.0        |
| 21   | 2976        | 2977      | NS   | 1    | -34.198 | 21.149 | 0.0        | -33.933  | 20.716 | 0.0        | -10.216  | 22.944 | 0.318      | -16.635   | 23.219 | 0.388      | 0.08    | 175.732 | 3.377      | 0.08     | 165.369 | 3.144      | 0.08     | 0.765   | 0.0        | 0.08      | 3.141   | 0.004      |
| 22   | 2976        | 2977      | SN   | 1    | -34.905 | 19.786 | 0.0        | -34.694  | 19.031 | 0.0        | -0.69    | 23.451 | 0.444      | 0.963     | 23.651 | 0.766      | 0.08    | 206.808 | 4.609      | 0.08     | 197.055 | 4.116      | 0.08     | 0.149   | 0.0        | 0.08      | 0.126   | 0.0        |
| 23   | 2977        | 2978      | SN   | 1    | -34.594 | 20.725 | 0.0        | -34.931  | 20.928 | 0.0        | 1.349    | 23.863 | 0.571      | -2.127    | 24.005 | 1.604      | 0.08    | 192.515 | 6.86       | 0.08     | 208.079 | 6.512      | 0.08     | 0.122   | 0.0        | 0.08      | 0.178   | 0.0        |
| 24   | 2977        | 2978      | NS   | 1    | -34.948 | 20.551 | 0.0        | -34.911  | 21.128 | 0.0        | 1.354    | 23.187 | 0.233      | 1.482     | 23.538 | 0.603      | 0.08    | 208.883 | 1.694      | 0.08     | 207.124 | 1.675      | 0.08     | 0.122   | 0.0        | 0.08      | 0.12    | 0.0        |
| 25   | 2978        | 2979      | NS   | 1    | -34.894 | 20.308 | 0.0        | -34.256  | 20.988 | 0.0        | 1.826    | 23.046 | 0.151      | 1.714     | 24.086 | 1.217      | 0.08    | 206.285 | 3.196      | 0.08     | 178.159 | 2.84       | 0.08     | 0.117   | 0.0        | 0.08      | 0.118   | 0.0        |
| 26   | 2978        | 2979      | SN   | 1    | -34.775 | 22.672 | 0.003      | -34.806  | 22.747 | 0.012      | -30.527  | 23.654 | 0.254      | -5.555    | 23.62  | 0.48       | 0.08    | 200.749 | 4.974      | 0.08     | 202.136 | 4.584      | 0.08     | 75.515  | 0.042      | 0.08      | 0.306   | 0.0        |
| 27   | 2979        | 2980      | SN   | 1    | -34.566 | 22.361 | 0.004      | -34.988  | 22.877 | 0.004      | -6.941   | 23.266 | 0.457      | -9.682    | 23.55  | 0.43       | 0.08    | 191.277 | 5.122      | 0.08     | 210.801 | 4.38       | 0.08     | 0.395   | 0.0        | 0.08      | 0.684   | 0.0        |
| 28   | 2979        | 2980      | NS   | 1    | -34.781 | 20.382 | 0.0        | -34.999  | 20.832 | 0.0        | -16.921  | 22.585 | 0.054      | -23.121   | 23.99  | 1.22       | 0.08    | 201.003 | 6.266      | 0.08     | 211.333 | 5.869      | 0.08     | 3.351   | 0.013      | 0.08      | 13.773  | 0.016      |

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