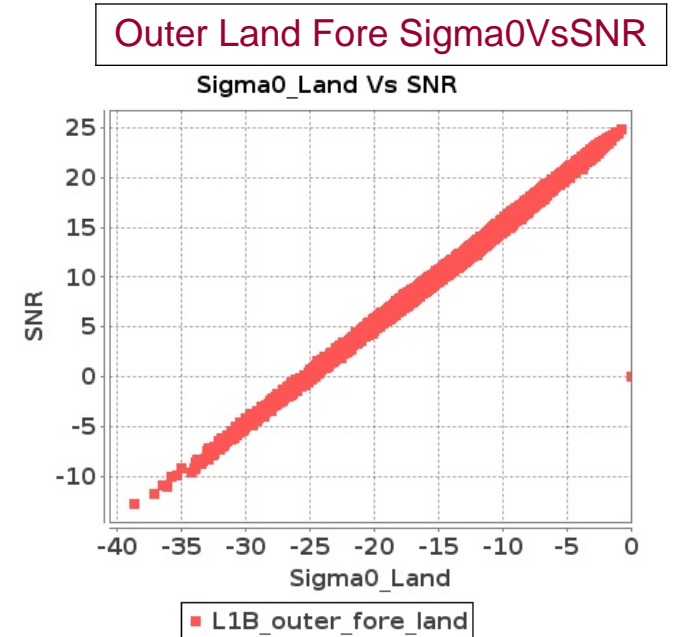
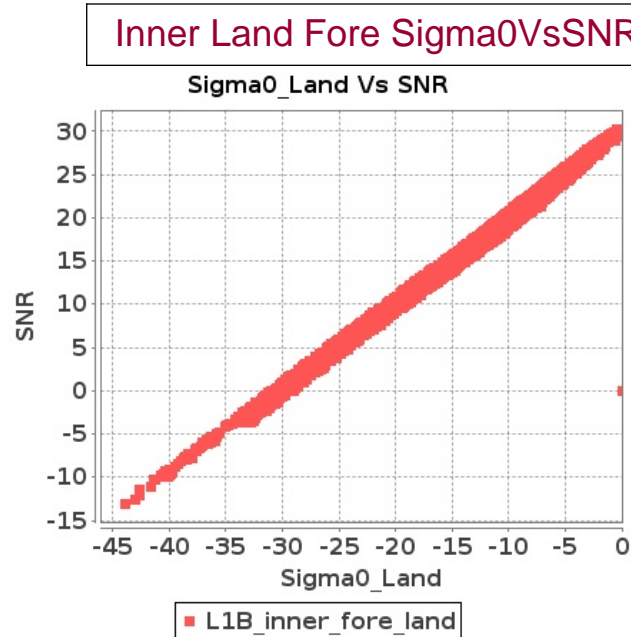
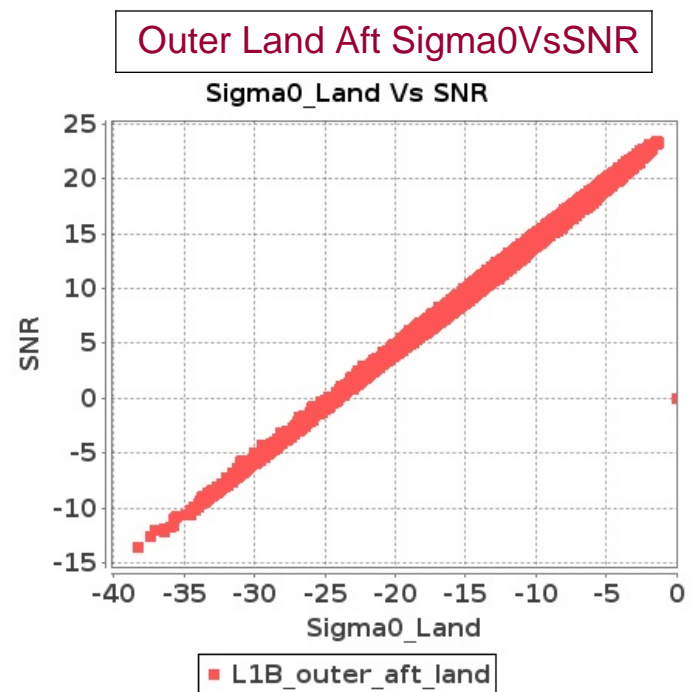
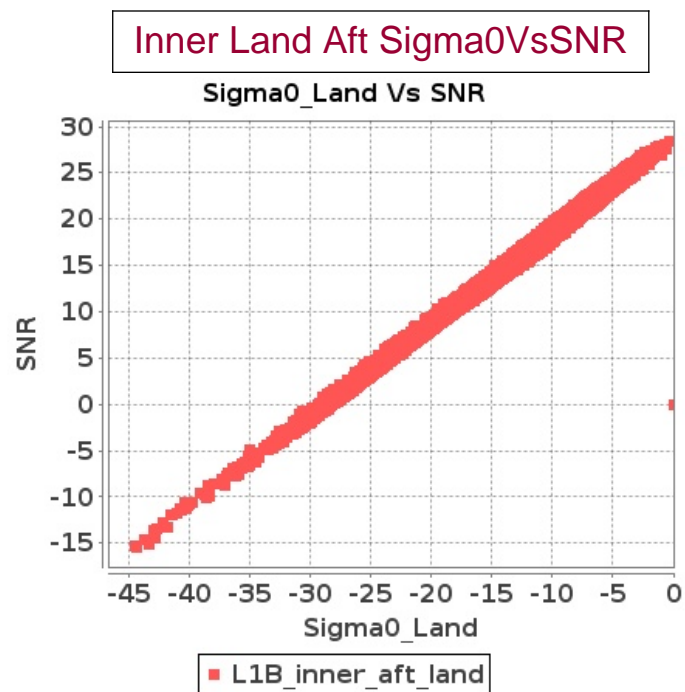
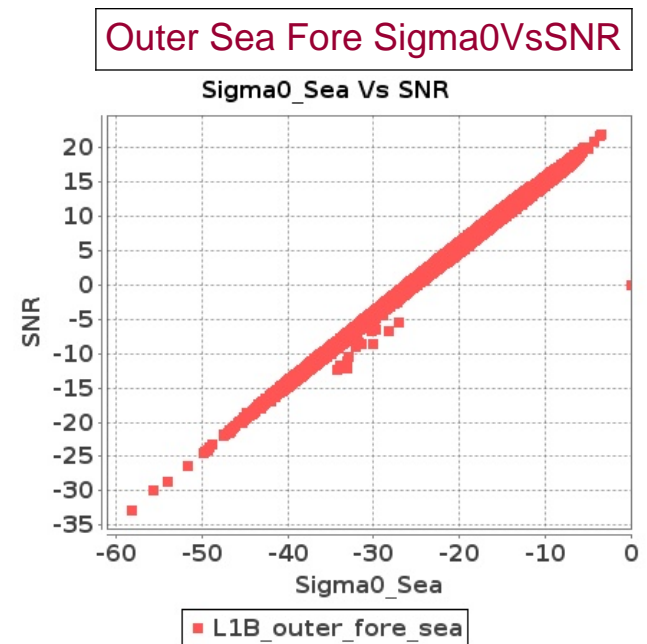
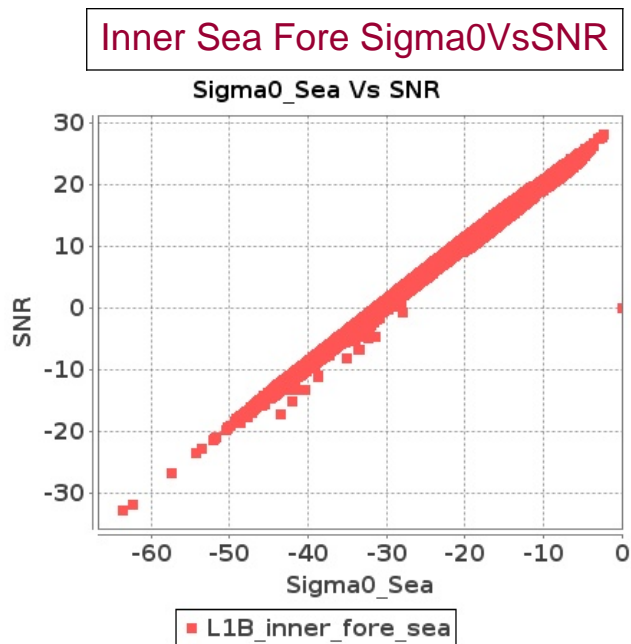
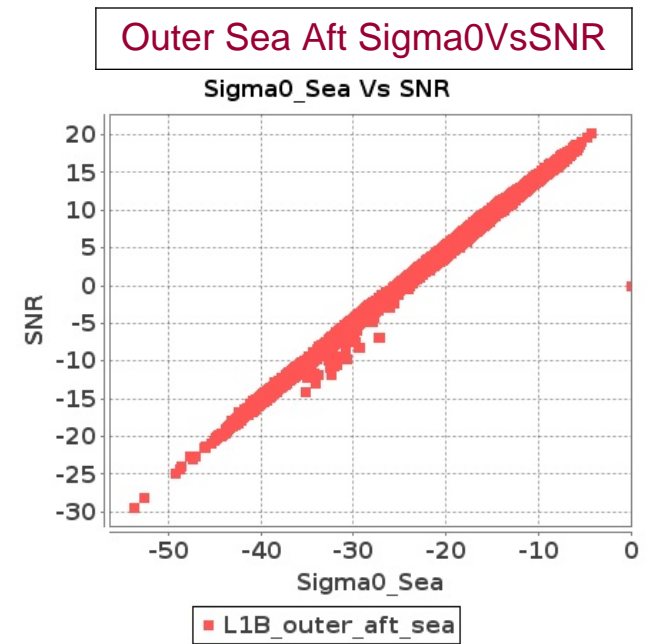
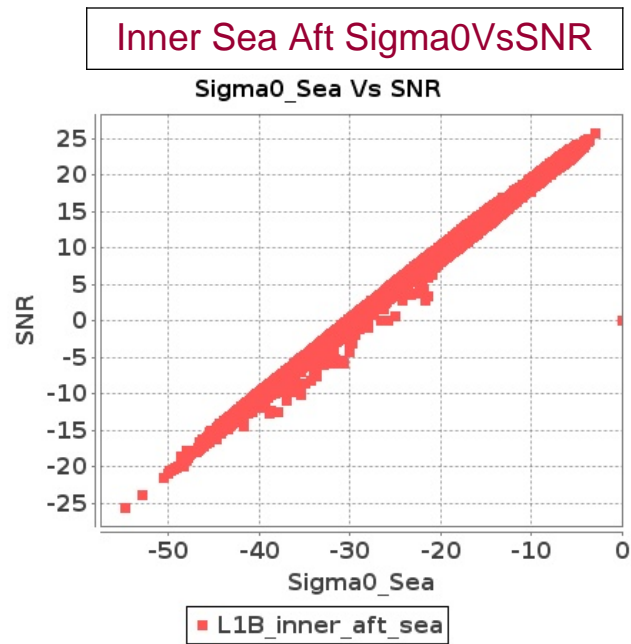
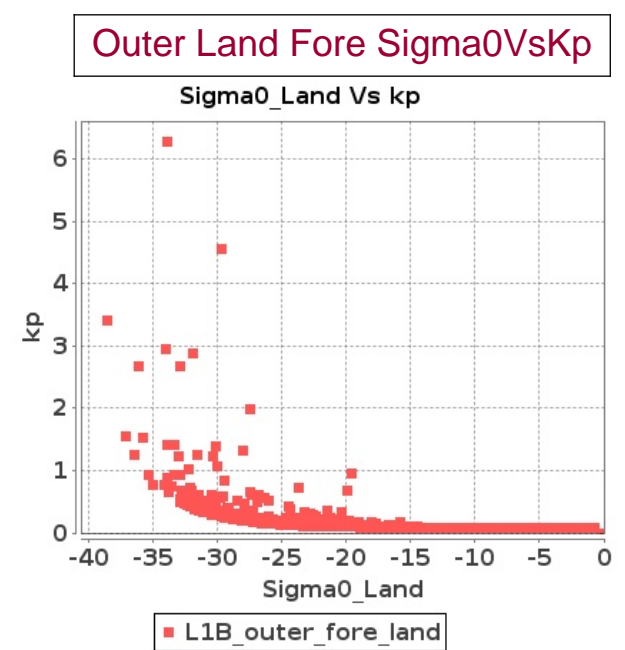
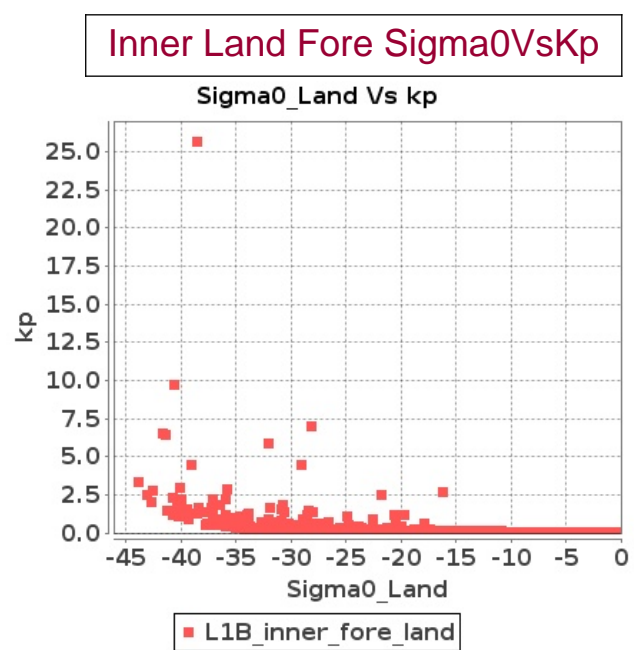
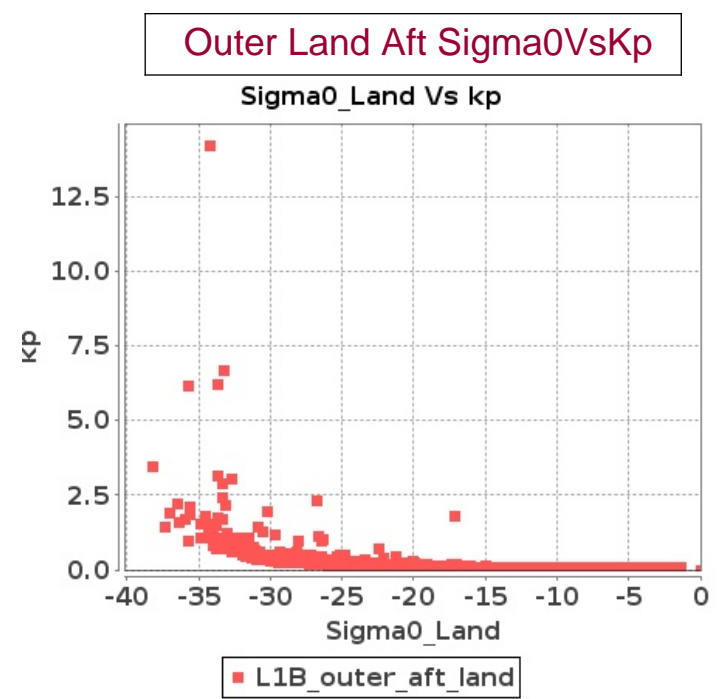
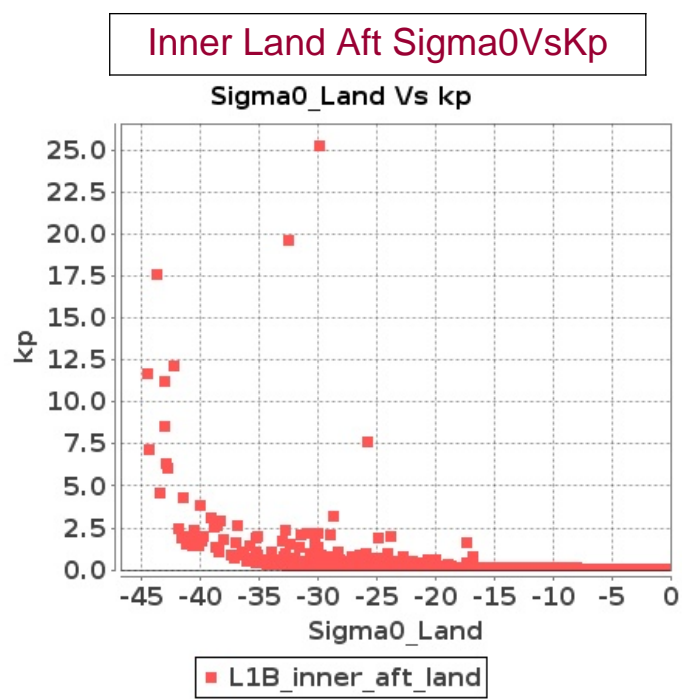
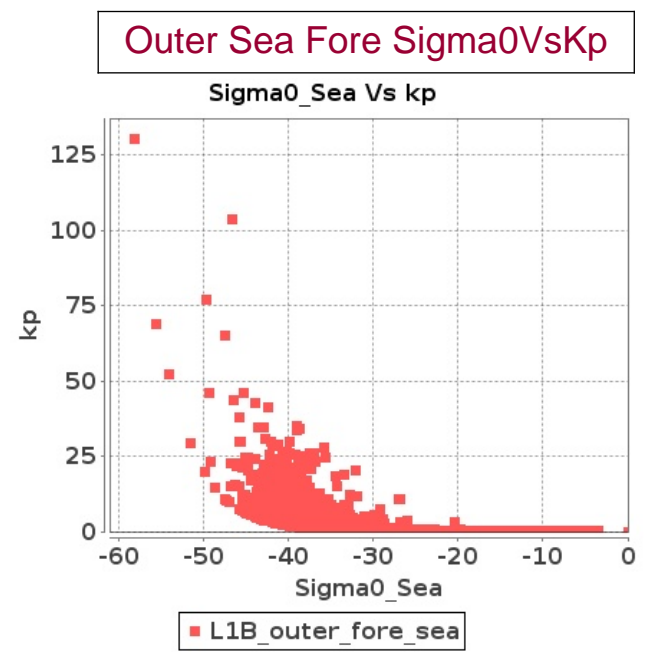
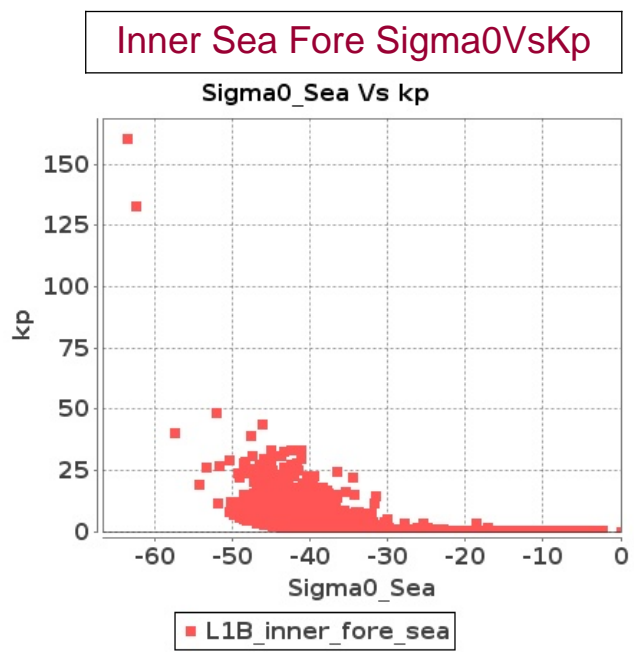
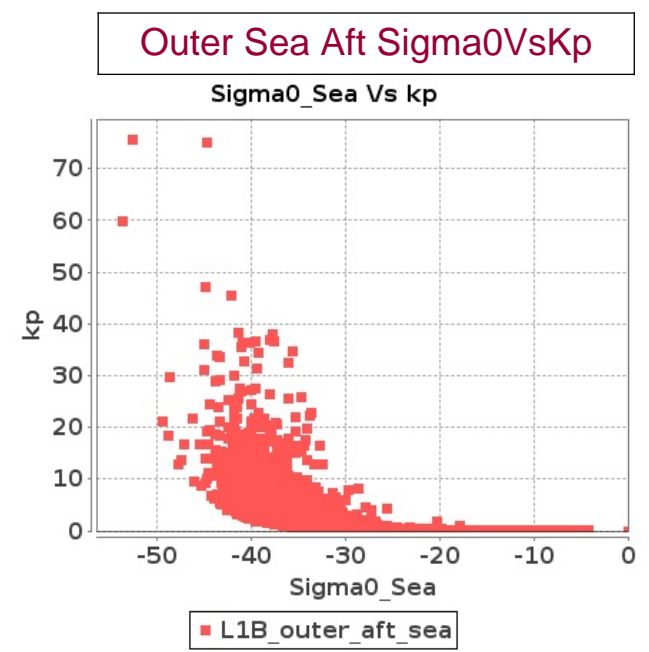
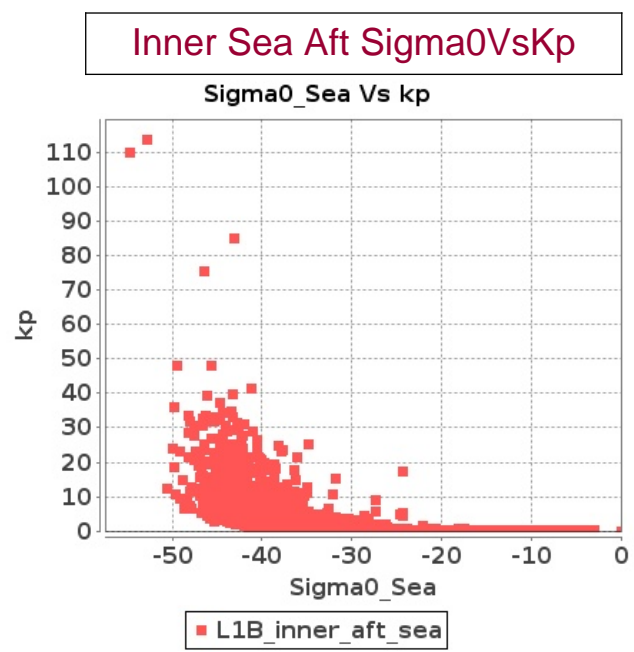


# SCATSAT-1 Scatterometer Level-1B Data Quality Cycle wise Report

Report between 30-AUG-2017 To 31-AUG-2017





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

Report between 30-AUG-2017 To 31-AUG-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     | 4898        | 4899      | SN   | 1    | 48.773          | 49.317 | 0.0       | 0.003         | 1.803   | 0.168     | 1031.744 | 1071.176 | 0.0       | -91.912  | -89.265 | 0.0       |
| 2     | 4898        | 4899      | NS   | 1    | 48.782          | 49.328 | 0.0       | 0.003         | 1.803   | 0.173     | 1035.752 | 1071.288 | 0.0       | -92.099  | -89.235 | 0.0       |
| 3     | 4898        | 4899      | SN   | 2    | 48.766          | 49.317 | 0.0       | 0.003         | 1.803   | 0.168     | 1031.744 | 1071.176 | 0.0       | -91.912  | -89.265 | 0.0       |
| 4     | 4898        | 4899      | SN   | 1    | 48.773          | 49.317 | 0.0       | 0.003         | 1.803   | 0.172     | 1031.744 | 1071.016 | 0.0       | -91.912  | -89.265 | 0.0       |
| 5     | 4898        | 4899      | NS   | 2    | 48.781          | 49.327 | 0.0       | 0.003         | 1.798   | 0.173     | 1035.752 | 1071.288 | 0.0       | -92.043  | -89.235 | 0.0       |
| 6     | 4899        | 4900      | SN   | 1    | 48.764          | 49.317 | 0.0       | 0.003         | 1.803   | 0.153     | 1031.168 | 1070.992 | 0.0       | -91.877  | -89.319 | 0.0       |
| 7     | 4899        | 4900      | NS   | 1    | 48.778          | 49.328 | 0.0       | 0.003         | 1.803   | 0.161     | 1036.32  | 1071.456 | 0.0       | -91.983  | -89.237 | 0.0       |
| 8     | 4899        | 4900      | NS   | 2    | 48.783          | 49.342 | 0.0       | 0.003         | 1.803   | 0.161     | 1036.352 | 1071.328 | 0.0       | -91.918  | -89.237 | 0.0       |
| 9     | 4899        | 4900      | SN   | 2    | 48.764          | 49.317 | 0.0       | 0.003         | 1.803   | 0.151     | 1031.168 | 1071.104 | 0.0       | -91.877  | -89.319 | 0.0       |
| 10    | 4899        | 4900      | SN   | 1    | 48.763          | 49.317 | 0.0       | 0.003         | 1.803   | 0.151     | 1031.16  | 1071.104 | 0.0       | -91.877  | -89.319 | 0.0       |
| 11    | 4900        | 4901      | NS   | 1    | 46.0            | 51.754 | 1.6       | 0.003         | 208.539 | 0.204     | 988.472  | 1086.872 | 1.033     | -103.39  | -89.021 | 0.416     |
| 12    | 4900        | 4901      | NS   | 2    | 46.0            | 51.754 | 1.6       | 0.003         | 262.624 | 0.203     | 988.464  | 1086.888 | 1.034     | -103.39  | -89.021 | 0.415     |
| 13    | 4900        | 4901      | SN   | 1    | 48.607          | 49.562 | 0.0       | 0.003         | 1.803   | 0.154     | 1030.808 | 1074.464 | 0.0       | -91.797  | -89.332 | 0.0       |
| 14    | 4900        | 4901      | SN   | 1    | 48.61           | 49.561 | 0.0       | 0.003         | 1.803   | 0.152     | 1030.832 | 1074.448 | 0.0       | -91.86   | -89.332 | 0.0       |
| 15    | 4900        | 4901      | SN   | 2    | 48.607          | 49.562 | 0.0       | 0.003         | 1.803   | 0.152     | 1030.808 | 1075.576 | 0.0       | -91.797  | -89.332 | 0.0       |
| 16    | 4901        | 4902      | NS   | 2    | 48.536          | 49.515 | 0.0       | 0.003         | 306.127 | 0.17      | 1032.36  | 1074.304 | 0.0       | -92.112  | -89.28  | 0.0       |
| 17    | 4901        | 4902      | NS   | 1    | 48.538          | 49.514 | 0.0       | 0.003         | 1.803   | 0.169     | 1032.384 | 1074.928 | 0.0       | -91.955  | -89.28  | 0.0       |
| 18    | 4901        | 4902      | SN   | 1    | 48.339          | 49.802 | 0.0       | 0.003         | 1.803   | 0.158     | 1026.528 | 1079.112 | 0.0       | -91.875  | -89.363 | 0.0       |
| 19    | 4901        | 4902      | SN   | 1    | 48.339          | 49.802 | 0.0       | 0.003         | 1.803   | 0.155     | 1026.536 | 1077.984 | 0.0       | -92.131  | -89.363 | 0.0       |
| 20    | 4901        | 4902      | SN   | 1    | 48.339          | 49.802 | 0.0       | 0.003         | 1.803   | 0.155     | 1026.528 | 1079.112 | 0.0       | -91.875  | -89.363 | 0.0       |
| 21    | 4902        | 4903      | NS   | 1    | 48.781          | 49.34  | 0.0       | 0.003         | 1.803   | 0.17      | 1036.256 | 1075.264 | 0.0       | -92.205  | -89.227 | 0.0       |
| 22    | 4902        | 4903      | SN   | 1    | 48.804          | 49.392 | 0.0       | 0.003         | 1.803   | 0.157     | 1040.144 | 1075.392 | 0.0       | -92.043  | -89.397 | 0.0       |
| 23    | 4902        | 4903      | SN   | 1    | 48.804          | 49.392 | 0.0       | 0.003         | 1.803   | 0.153     | 1040.144 | 1075.44  | 0.0       | -92.043  | -89.397 | 0.0       |
| 24    | 4902        | 4903      | NS   | 2    | 48.781          | 49.34  | 0.0       | 0.003         | 1.803   | 0.17      | 1036.256 | 1075.264 | 0.0       | -92.205  | -89.227 | 0.0       |
| 25    | 4902        | 4903      | SN   | 2    | 48.804          | 49.392 | 0.0       | 0.003         | 1.803   | 0.157     | 1040.144 | 1075.392 | 0.0       | -92.043  | -89.397 | 0.0       |
| 26    | 4903        | 4904      | NS   | 1    | 48.779          | 49.379 | 0.0       | 0.003         | 5.995   | 0.181     | 1035.88  | 1075.32  | 0.0       | -92.124  | -89.246 | 0.0       |
| 27    | 4903        | 4904      | SN   | 2    | 48.823          | 49.401 | 0.0       | 0.003         | 1.803   | 0.157     | 1039.72  | 1075.472 | 0.0       | -92.115  | -89.398 | 0.0       |
| 28    | 4904        | 4905      | NS   | 1    | 48.827          | 49.347 | 0.0       | 0.003         | 1.803   | 0.165     | 1035.712 | 1075.32  | 0.0       | -92.15   | -89.244 | 0.0       |
| 29    | 4904        | 4905      | SN   | 1    | 48.83           | 49.359 | 0.0       | 0.003         | 1.803   | 0.167     | 1040.488 | 1075.336 | 0.0       | -92.005  | -89.36  | 0.0       |
| 30    | 4906        | 4907      | SN   | 1    | 47.045          | 51.165 | 32.849    | 0.003         | 1.814   | 0.154     | 1006.68  | 1104.24  | 21.971    | -92.23   | -89.535 | 0.0       |
| 31    | 4906        | 4907      | NS   | 1    | 48.8            | 49.371 | 0.0       | 0.003         | 6.022   | 0.186     | 1035.8   | 1075.408 | 0.0       | -92.087  | -89.243 | 0.0       |
| 32    | 4907        | 4908      | NS   | 1    | 46.963          | 51.164 | 39.283    | 0.003         | 1.809   | 0.173     | 1006.2   | 1103.944 | 21.792    | -92.025  | -89.49  | 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 | 4912 | 4913 | SN | 1 | 48.841 | 49.37  | 0.0 | 0.003 | 1.803   | 0.164 | 1041.264 | 1075.488 | 0.0 | -91.903 | -89.397 | 0.0 |
| 34 | 4913 | 4914 | SN | 2 | 48.798 | 49.36  | 0.0 | 0.003 | 1.803   | 0.156 | 1041.184 | 1075.48  | 0.0 | -91.811 | -89.409 | 0.0 |
| 35 | 4913 | 4914 | SN | 1 | 48.798 | 49.36  | 0.0 | 0.003 | 1.803   | 0.158 | 1041.184 | 1075.48  | 0.0 | -91.811 | -89.409 | 0.0 |
| 36 | 4913 | 4914 | NS | 1 | 48.818 | 49.335 | 0.0 | 0.003 | 1.803   | 0.162 | 1035.72  | 1075.256 | 0.0 | -92.347 | -89.237 | 0.0 |
| 37 | 4913 | 4914 | SN | 1 | 48.798 | 49.36  | 0.0 | 0.003 | 1.803   | 0.156 | 1041.184 | 1075.48  | 0.0 | -91.811 | -89.409 | 0.0 |
| 38 | 4914 | 4915 | SN | 3 | 48.837 | 49.36  | 0.0 | 0.003 | 1.803   | 0.151 | 1040.704 | 1075.36  | 0.0 | -91.944 | -89.408 | 0.0 |
| 39 | 4914 | 4915 | SN | 1 | 48.822 | 49.36  | 0.0 | 0.003 | 1.803   | 0.151 | 1040.704 | 1075.36  | 0.0 | -91.944 | -89.408 | 0.0 |
| 40 | 4914 | 4915 | NS | 1 | 48.826 | 49.335 | 0.0 | 0.003 | 1.803   | 0.161 | 1035.216 | 1075.224 | 0.0 | -92.069 | -89.229 | 0.0 |
| 41 | 4914 | 4915 | NS | 2 | 48.826 | 49.335 | 0.0 | 0.003 | 1.803   | 0.161 | 1035.216 | 1075.224 | 0.0 | -92.069 | -89.229 | 0.0 |
| 42 | 4915 | 4916 | NS | 1 | 48.785 | 49.346 | 0.0 | 0.003 | 5.995   | 0.179 | 1035.432 | 1075.136 | 0.0 | -92.14  | -89.24  | 0.0 |
| 43 | 4915 | 4916 | SN | 1 | 48.805 | 49.36  | 0.0 | 0.003 | 1.803   | 0.156 | 1041.032 | 1075.336 | 0.0 | -92.045 | -89.407 | 0.0 |
| 44 | 4915 | 4916 | SN | 3 | 48.837 | 49.359 | 0.0 | 0.003 | 1.803   | 0.154 | 1041.024 | 1075.336 | 0.0 | -92.045 | -89.407 | 0.0 |
| 45 | 4915 | 4916 | SN | 1 | 48.805 | 49.36  | 0.0 | 0.003 | 1.803   | 0.154 | 1041.032 | 1075.344 | 0.0 | -92.045 | -89.407 | 0.0 |
| 46 | 4915 | 4916 | NS | 2 | 48.785 | 49.346 | 0.0 | 0.003 | 5.995   | 0.179 | 1035.432 | 1075.136 | 0.0 | -92.14  | -89.24  | 0.0 |
| 47 | 4916 | 4917 | SN | 2 | 48.806 | 49.409 | 0.0 | 0.003 | 1.803   | 0.152 | 1040.44  | 1075.376 | 0.0 | -92.353 | -89.406 | 0.0 |
| 48 | 4916 | 4917 | NS | 1 | 48.795 | 49.367 | 0.0 | 0.003 | 1.803   | 0.166 | 1035.144 | 1075.112 | 0.0 | -92.276 | -89.211 | 0.0 |
| 49 | 4916 | 4917 | NS | 1 | 48.795 | 49.367 | 0.0 | 0.003 | 1.803   | 0.166 | 1035.144 | 1075.112 | 0.0 | -92.276 | -89.211 | 0.0 |
| 50 | 4916 | 4917 | SN | 1 | 48.806 | 49.409 | 0.0 | 0.003 | 1.803   | 0.152 | 1040.44  | 1075.376 | 0.0 | -92.353 | -89.406 | 0.0 |
| 51 | 4917 | 4918 | NS | 1 | 48.782 | 49.364 | 0.0 | 0.003 | 1.803   | 0.168 | 1035.048 | 1075.16  | 0.0 | -92.155 | -89.238 | 0.0 |
| 52 | 4917 | 4918 | NS | 1 | 48.782 | 49.364 | 0.0 | 0.003 | 1.803   | 0.168 | 1035.048 | 1075.16  | 0.0 | -92.155 | -89.238 | 0.0 |
| 53 | 4917 | 4918 | SN | 1 | 48.801 | 49.398 | 0.0 | 0.003 | 336.316 | 0.155 | 1040.712 | 1075.4   | 0.0 | -91.926 | -89.407 | 0.0 |
| 54 | 4917 | 4918 | SN | 1 | 48.801 | 49.398 | 0.0 | 0.003 | 336.316 | 0.154 | 1040.712 | 1075.408 | 0.0 | -92.412 | -89.407 | 0.0 |
| 55 | 4917 | 4918 | SN | 2 | 48.801 | 49.398 | 0.0 | 0.003 | 336.316 | 0.154 | 1040.712 | 1075.408 | 0.0 | -92.412 | -89.407 | 0.0 |
| 56 | 4918 | 4919 | SN | 1 | 48.811 | 49.389 | 0.0 | 0.003 | 1.803   | 0.169 | 1040.944 | 1075.344 | 0.0 | -91.93  | -89.408 | 0.0 |
| 57 | 4918 | 4919 | SN | 2 | 48.811 | 49.389 | 0.0 | 0.003 | 1.803   | 0.169 | 1040.944 | 1075.344 | 0.0 | -91.93  | -89.408 | 0.0 |
| 58 | 4918 | 4919 | NS | 3 | 48.807 | 49.373 | 0.0 | 0.003 | 5.978   | 0.18  | 1035.536 | 1075.176 | 0.0 | -92.294 | -89.236 | 0.0 |
| 59 | 4918 | 4919 | NS | 2 | 48.794 | 49.373 | 0.0 | 0.003 | 5.978   | 0.18  | 1034.968 | 1075.176 | 0.0 | -92.087 | -89.236 | 0.0 |
| 60 | 4918 | 4919 | SN | 1 | 48.81  | 49.383 | 0.0 | 0.003 | 1.803   | 0.16  | 1040.936 | 1075.4   | 0.0 | -92.086 | -89.408 | 0.0 |
| 61 | 4919 | 4920 | SN | 1 | 48.805 | 49.363 | 0.0 | 0.003 | 1.803   | 0.162 | 1041.088 | 1076.144 | 0.0 | -92.012 | -89.395 | 0.0 |
| 62 | 4919 | 4920 | SN | 1 | 48.992 | 49.355 | 0.0 | 0.014 | 1.803   | 0.022 | 1067.608 | 1076.144 | 0.0 | -91.975 | -89.699 | 0.0 |
| 63 | 4919 | 4920 | NS | 1 | 48.783 | 49.371 | 0.0 | 0.003 | 1.803   | 0.164 | 1035.36  | 1075.136 | 0.0 | -92.149 | -89.224 | 0.0 |
| 64 | 4920 | 4921 | NS | 1 | 48.779 | 49.368 | 0.0 | 0.003 | 1.803   | 0.169 | 1035.336 | 1075.168 | 0.0 | -92.138 | -89.175 | 0.0 |
| 65 | 4920 | 4921 | SN | 1 | 48.84  | 49.364 | 0.0 | 0.003 | 1.803   | 0.155 | 1041.84  | 1076.136 | 0.0 | -91.942 | -89.401 | 0.0 |
| 66 | 4920 | 4921 | NS | 2 | 48.788 | 49.363 | 0.0 | 0.003 | 1.803   | 0.169 | 1035.36  | 1075.16  | 0.0 | -92.174 | -89.174 | 0.0 |
| 67 | 4921 | 4922 | NS | 1 | 48.794 | 49.383 | 0.0 | 0.003 | 5.989   | 0.187 | 1034.768 | 1075.344 | 0.0 | -92.695 | -89.233 | 0.0 |
| 68 | 4921 | 4922 | SN | 1 | 48.797 | 49.364 | 0.0 | 0.003 | 1.803   | 0.152 | 1041.2   | 1075.728 | 0.0 | -91.95  | -89.415 | 0.0 |
| 69 | 4922 | 4923 | SN | 1 | 48.833 | 49.365 | 0.0 | 0.003 | 1.803   | 0.158 | 1041.648 | 1075.544 | 0.0 | -92.007 | -89.415 | 0.0 |

| Parameter Specifications | Parameters | Inc.Angle | Azi. Angle | Range  | X-Factor |
|--------------------------|------------|-----------|------------|--------|----------|
|                          | Min        | 47.1      | 0.0        | 1025.0 | -100.0   |
|                          | Max        | 49.9      | 0.0        | 1095.7 | -80.0    |

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

|    |      |      |    |   |        |        |     |       |       |       |          |          |     |         |         |     |
|----|------|------|----|---|--------|--------|-----|-------|-------|-------|----------|----------|-----|---------|---------|-----|
| 70 | 4922 | 4923 | NS | 1 | 48.787 | 49.335 | 0.0 | 0.014 | 1.803 | 0.169 | 1034.88  | 1075.4   | 0.0 | -91.843 | -89.232 | 0.0 |
| 71 | 4923 | 4924 | NS | 1 | 48.798 | 49.359 | 0.0 | 0.003 | 5.989 | 0.18  | 1034.536 | 1075.192 | 0.0 | -92.126 | -89.23  | 0.0 |
| 72 | 4923 | 4924 | NS | 1 | 48.798 | 49.359 | 0.0 | 0.003 | 5.989 | 0.181 | 1034.536 | 1075.192 | 0.0 | -92.126 | -89.23  | 0.0 |
| 73 | 4923 | 4924 | SN | 1 | 48.817 | 49.395 | 0.0 | 0.003 | 1.803 | 0.158 | 1041.96  | 1075.384 | 0.0 | -91.944 | -89.398 | 0.0 |
| 74 | 4924 | 4925 | NS | 1 | 48.79  | 49.355 | 0.0 | 0.003 | 1.803 | 0.166 | 1034.2   | 1075.024 | 0.0 | -92.199 | -89.229 | 0.0 |
| 75 | 4924 | 4925 | NS | 1 | 48.79  | 49.355 | 0.0 | 0.003 | 1.803 | 0.166 | 1034.2   | 1075.024 | 0.0 | -92.199 | -89.229 | 0.0 |
| 76 | 4924 | 4925 | SN | 1 | 48.842 | 49.413 | 0.0 | 0.003 | 1.803 | 0.155 | 1041.456 | 1075.32  | 0.0 | -91.961 | -89.416 | 0.0 |
| 77 | 4925 | 4926 | NS | 1 | 48.806 | 49.372 | 0.0 | 0.008 | 5.984 | 0.184 | 1034.016 | 1074.904 | 0.0 | -92.189 | -89.227 | 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    | 4898        | 4899      | SN   | 1    | -34.954 | 25.496 | 2.85       | -34.881  | 26.319 | 6.905      | -24.612  | 35.54  | 8.916      | -23.684   | 30.53  | 17.449     | 0.103   | 264.356 | 3.759      | 0.103    | 259.894 | 2.48       | 0.102    | 24.507  | 0.079      | 0.103     | 19.807  | 0.08       |
| 2    | 4898        | 4899      | NS   | 1    | -34.792 | 27.167 | 1.432      | -34.035  | 28.473 | 0.66       | 3.175    | 30.391 | 11.818     | 6.858     | 34.39  | 28.916     | 0.103   | 254.592 | 2.222      | 0.103    | 213.939 | 1.739      | 0.103    | 0.137   | 0.0        | 0.102     | 0.117   | 0.0        |
| 3    | 4898        | 4899      | SN   | 2    | -34.816 | 25.496 | 2.892      | -34.905  | 26.319 | 6.931      | -24.637  | 35.54  | 8.916      | -23.667   | 30.53  | 17.447     | 0.103   | 256.08  | 3.752      | 0.103    | 261.33  | 2.478      | 0.102    | 24.643  | 0.079      | 0.103     | 19.727  | 0.08       |
| 4    | 4898        | 4899      | SN   | 1    | -34.954 | 25.496 | 1.016      | -34.881  | 26.319 | 6.551      | -24.612  | 35.54  | 8.916      | -23.684   | 30.53  | 17.449     | 0.103   | 264.356 | 3.881      | 0.103    | 259.894 | 2.62       | 0.102    | 24.507  | 0.079      | 0.103     | 19.807  | 0.08       |
| 5    | 4898        | 4899      | NS   | 2    | -34.987 | 27.167 | 1.432      | -33.884  | 28.473 | 0.66       | 3.175    | 30.391 | 11.82      | 6.861     | 34.39  | 28.913     | 0.103   | 266.273 | 2.222      | 0.103    | 206.585 | 1.739      | 0.103    | 0.137   | 0.0        | 0.102     | 0.117   | 0.0        |
| 6    | 4899        | 4900      | SN   | 1    | -34.648 | 24.539 | 1.112      | -34.328  | 25.105 | 3.22       | -7.63    | 29.771 | 9.16       | -12.105   | 30.834 | 6.973      | 0.103   | 246.29  | 3.204      | 0.103    | 228.843 | 2.228      | 0.103    | 0.573   | 0.0        | 0.103     | 1.453   | 0.002      |
| 7    | 4899        | 4900      | NS   | 1    | -30.644 | 26.236 | 0.582      | -31.076  | 26.985 | 0.973      | -13.969  | 32.665 | 7.729      | -10.009   | 31.032 | 25.749     | 0.103   | 98.036  | 1.229      | 0.103    | 114.327 | 0.694      | 0.102    | 2.187   | 0.003      | 0.103     | 0.929   | 0.0        |
| 8    | 4899        | 4900      | NS   | 2    | -33.14  | 26.234 | 0.582      | -31.141  | 26.986 | 0.972      | -13.968  | 32.664 | 7.719      | -10.0     | 31.032 | 25.734     | 0.103   | 174.063 | 1.231      | 0.103    | 109.902 | 0.696      | 0.102    | 2.186   | 0.003      | 0.103     | 0.926   | 0.0        |
| 9    | 4899        | 4900      | SN   | 2    | -34.648 | 24.539 | 1.253      | -34.328  | 25.105 | 3.648      | -7.63    | 29.771 | 9.16       | -12.105   | 30.834 | 6.973      | 0.103   | 246.29  | 3.135      | 0.103    | 228.843 | 2.199      | 0.103    | 0.573   | 0.0        | 0.103     | 1.453   | 0.002      |
| 10   | 4899        | 4900      | SN   | 1    | -34.679 | 24.539 | 1.26       | -33.734  | 25.105 | 3.647      | -7.575   | 29.769 | 9.156      | -12.102   | 30.832 | 6.969      | 0.103   | 248.089 | 3.134      | 0.103    | 199.607 | 2.198      | 0.103    | 0.567   | 0.0        | 0.103     | 1.452   | 0.002      |
| 11   | 4900        | 4901      | NS   | 1    | -34.335 | 23.154 | 0.194      | -33.539  | 24.57  | 0.257      | -26.47   | 29.874 | 7.962      | -13.749   | 29.768 | 20.019     | 0.103   | 229.218 | 1.441      | 0.103    | 224.53  | 1.38       | 0.103    | 62.267  | 0.012      | 0.103     | 2.083   | 0.006      |
| 12   | 4900        | 4901      | NS   | 2    | -34.717 | 23.156 | 0.194      | -32.433  | 24.57  | 0.257      | -8.237   | 29.874 | 7.961      | -13.754   | 29.768 | 20.049     | 0.103   | 281.196 | 1.444      | 0.103    | 182.501 | 1.379      | 0.103    | 1.727   | 0.01       | 0.103     | 2.085   | 0.006      |
| 13   | 4900        | 4901      | SN   | 1    | -34.902 | 23.156 | 0.037      | -34.985  | 25.029 | 0.875      | 7.734    | 27.63  | 13.524     | 8.246     | 28.522 | 8.635      | 0.103   | 261.141 | 1.977      | 0.103    | 266.236 | 1.582      | 0.103    | 0.114   | 0.0        | 0.103     | 0.113   | 0.0        |
| 14   | 4900        | 4901      | SN   | 1    | -34.595 | 23.156 | 0.051      | -34.481  | 25.029 | 0.93       | 7.666    | 27.63  | 13.528     | 6.289     | 28.521 | 8.618      | 0.103   | 243.387 | 1.953      | 0.103    | 237.044 | 1.56       | 0.103    | 0.114   | 0.0        | 0.103     | 0.119   | 0.0        |
| 15   | 4900        | 4901      | SN   | 2    | -34.902 | 23.156 | 0.051      | -34.985  | 25.029 | 0.93       | 7.666    | 27.63  | 13.522     | 6.289     | 28.522 | 8.616      | 0.103   | 261.141 | 1.95       | 0.103    | 266.236 | 1.559      | 0.103    | 0.114   | 0.0        | 0.103     | 0.119   | 0.0        |
| 16   | 4901        | 4902      | NS   | 2    | -32.187 | 23.502 | 0.041      | -33.607  | 23.366 | 0.044      | -6.755   | 28.657 | 4.707      | -7.628    | 35.949 | 12.863     | 0.103   | 139.779 | 1.852      | 0.103    | 193.859 | 1.325      | 0.103    | 0.484   | 0.0        | 0.102     | 0.573   | 0.0        |
| 17   | 4901        | 4902      | NS   | 1    | -32.556 | 23.502 | 0.043      | -34.261  | 23.365 | 0.044      | -6.759   | 28.657 | 4.702      | -7.63     | 35.951 | 12.861     | 0.103   | 152.229 | 1.85       | 0.103    | 225.367 | 1.318      | 0.103    | 0.485   | 0.0        | 0.102     | 0.573   | 0.0        |
| 18   | 4901        | 4902      | SN   | 1    | -34.881 | 23.345 | 0.001      | -34.219  | 26.601 | 0.636      | -4.981   | 27.166 | 9.888      | -14.433   | 27.859 | 7.566      | 0.103   | 259.9   | 3.958      | 0.103    | 223.196 | 2.977      | 0.103    | 0.352   | 0.0        | 0.103     | 2.425   | 0.009      |
| 19   | 4901        | 4902      | SN   | 1    | -34.967 | 23.348 | 0.034      | -34.888  | 26.601 | 0.812      | -4.979   | 27.169 | 9.837      | -14.413   | 27.856 | 7.457      | 0.103   | 265.064 | 3.841      | 0.103    | 260.315 | 2.975      | 0.103    | 0.352   | 0.0        | 0.103     | 2.414   | 0.008      |
| 20   | 4901        | 4902      | SN   | 1    | -34.881 | 23.345 | 0.029      | -34.219  | 26.601 | 0.754      | -4.981   | 27.166 | 9.879      | -14.433   | 27.859 | 7.464      | 0.103   | 259.9   | 3.866      | 0.103    | 223.196 | 2.964      | 0.103    | 0.352   | 0.0        | 0.103     | 2.425   | 0.008      |
| 21   | 4902        | 4903      | NS   | 1    | -34.852 | 23.297 | 0.092      | -34.26   | 23.911 | 0.009      | -6.253   | 27.033 | 4.537      | -3.96     | 29.792 | 16.217     | 0.103   | 268.768 | 3.927      | 0.103    | 225.264 | 3.391      | 0.103    | 0.441   | 0.0        | 0.103     | 0.297   | 0.0        |
| 22   | 4902        | 4903      | SN   | 1    | -34.687 | 23.196 | 0.002      | -34.713  | 24.63  | 0.47       | 6.362    | 27.723 | 14.305     | 8.065     | 29.135 | 17.489     | 0.103   | 248.532 | 3.837      | 0.103    | 250.047 | 2.606      | 0.103    | 0.118   | 0.0        | 0.103     | 0.113   | 0.0        |
| 23   | 4902        | 4903      | SN   | 1    | -34.687 | 23.196 | 0.052      | -34.713  | 24.63  | 0.639      | 6.362    | 27.723 | 13.952     | 8.065     | 29.135 | 16.995     | 0.103   | 248.532 | 3.718      | 0.103    | 250.047 | 2.712      | 0.103    | 0.118   | 0.0        | 0.103     | 0.113   | 0.0        |
| 24   | 4902        | 4903      | NS   | 2    | -34.852 | 23.297 | 0.092      | -34.26   | 23.911 | 0.009      | -6.253   | 27.033 | 4.537      | -3.96     | 29.792 | 16.217     | 0.103   | 268.768 | 3.927      | 0.103    | 225.264 | 3.391      | 0.103    | 0.441   | 0.0        | 0.103     | 0.297   | 0.0        |
| 25   | 4902        | 4903      | SN   | 2    | -34.687 | 23.196 | 0.002      | -34.713  | 24.63  | 0.47       | 6.362    | 27.723 | 14.305     | 8.065     | 29.135 | 17.489     | 0.103   | 248.532 | 3.837      | 0.103    | 250.047 | 2.606      | 0.103    | 0.118   | 0.0        | 0.103     | 0.113   | 0.0        |
| 26   | 4903        | 4904      | NS   | 1    | -34.057 | 24.242 | 0.695      | -33.993  | 25.418 | 1.418      | -10.498  | 30.072 | 5.421      | -17.615   | 29.805 | 13.758     | 0.103   | 214.963 | 3.059      | 0.103    | 211.913 | 2.236      | 0.103    | 1.029   | 0.002      | 0.103     | 4.957   | 0.006      |
| 27   | 4903        | 4904      | SN   | 2    | -34.923 | 23.572 | 0.081      | -34.902  | 25.493 | 0.688      | 5.798    | 27.492 | 13.048     | 0.701     | 29.348 | 12.836     | 0.103   | 262.437 | 3.761      | 0.103    | 261.133 | 3.61       | 0.103    | 0.121   | 0.0        | 0.103     | 0.165   | 0.0        |
| 28   | 4904        | 4905      | NS   | 1    | -34.642 | 24.513 | 0.829      | -34.858  | 26.278 | 1.591      | 8.342    | 28.416 | 13.43      | 7.817     | 30.298 | 25.434     | 0.103   | 245.99  | 2.293      | 0.103    | 258.571 | 1.481      | 0.103    | 0.112   | 0.0        | 0.103     | 0.114   | 0.0        |
| 29   | 4904        | 4905      | SN   | 1    | -34.937 | 23.276 | 0.012      | -34.733  | 24.468 | 0.085      | -31.466  | 29.58  | 9.02       | -18.154   | 32.528 | 11.66      | 0.103   | 263.322 | 3.37       | 0.103    | 251.187 | 2.901      | 0.103    | 118.418 | 0.019      | 0.102     | 5.601   | 0.008      |
| 30   | 4906        | 4907      | SN   | 1    | -34.898 | 24.208 | 0.015      | -34.846  | 28.493 | 1.218      | -32.784  | 27.398 | 4.876      | -28.107   | 30.643 | 11.596     | 0.103   | 267.581 | 9.164      | 0.103    | 257.832 | 2.584      | 0.103    | 160.382 | 0.463      | 0.103     | 54.7    | 0.034      |
| 31   | 4906        | 4907      | NS   | 1    | -34.84  | 24.799 | 1.193      | -34.552  | 24.828 | 0.709      | -33.557  | 27.9   | 15.415     | -10.824   | 30.122 | 34.209     | 0.103   | 257.416 | 3.437      | 0.103    | 240.98  | 2.133      | 0.103    | 191.666 | 0.021      | 0.103     | 1.103   | 0.003      |
| 32   | 4907        | 4908      | NS   | 1    | -34.953 | 25.879 | 0.015      | -34.724  | 25.753 | 0.569      | -31.622  | 29.262 | 0.843      | -33.105   | 31.256 | 9.744      | 0.103   | 267.659 | 5.675      | 0.103    | 250.665 | 3.92       | 0.103    | 122.774 | 0.385      | 0.103     | 172.739 | 0.243      |
| 33   | 4912        | 4913      | SN   | 1    | -34.88  | 24.828 | 1.74       | -34.42   | 26.205 | 5.837      | -21.093  | 27.381 | 7.738      | -19.182   | 29.435 | 14.207     | 0.103   | 259.87  | 3.714      | 0.103    | 233.759 | 2.796      | 0.103    | 10.942  | 0.009      | 0.103     | 7.075   | 0.012      |

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

- Normal
- Deviations
- Alarming
- High Errors

|    |      |      |    |   |         |        |       |         |        |        |         |        |        |         |        |        |       |         |       |       |         |       |       |         |       |       |        |       |
|----|------|------|----|---|---------|--------|-------|---------|--------|--------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|
| 34 | 4913 | 4914 | SN | 2 | -34.171 | 25.396 | 1.761 | -32.581 | 26.333 | 4.115  | -30.678 | 29.7   | 9.699  | -17.222 | 31.226 | 8.924  | 0.103 | 220.765 | 2.198 | 0.103 | 153.088 | 1.701 | 0.103 | 98.81   | 0.015 | 0.103 | 4.535  | 0.006 |
| 35 | 4913 | 4914 | SN | 1 | -34.171 | 25.396 | 1.389 | -32.581 | 26.333 | 3.901  | -30.678 | 29.7   | 9.699  | -17.222 | 31.226 | 8.924  | 0.103 | 220.765 | 2.208 | 0.103 | 153.088 | 1.747 | 0.103 | 98.81   | 0.015 | 0.103 | 4.535  | 0.006 |
| 36 | 4913 | 4914 | NS | 1 | -34.892 | 27.633 | 0.769 | -34.256 | 28.631 | 0.443  | -22.612 | 30.546 | 8.752  | -22.572 | 35.62  | 30.095 | 0.103 | 260.54  | 1.814 | 0.103 | 225.098 | 1.18  | 0.103 | 15.488  | 0.029 | 0.102 | 15.349 | 0.014 |
| 37 | 4913 | 4914 | SN | 1 | -34.171 | 25.396 | 1.758 | -32.581 | 26.333 | 4.11   | -30.678 | 29.7   | 9.699  | -17.222 | 31.226 | 8.923  | 0.103 | 220.765 | 2.194 | 0.103 | 153.088 | 1.699 | 0.103 | 98.81   | 0.015 | 0.103 | 4.535  | 0.006 |
| 38 | 4914 | 4915 | SN | 3 | -34.871 | 24.017 | 0.452 | -34.066 | 26.021 | 1.638  | -23.649 | 28.219 | 10.789 | -23.547 | 30.422 | 7.502  | 0.103 | 259.329 | 1.458 | 0.103 | 215.432 | 0.872 | 0.103 | 19.64   | 0.028 | 0.103 | 19.189 | 0.033 |
| 39 | 4914 | 4915 | SN | 1 | -34.665 | 24.019 | 0.453 | -34.23  | 26.021 | 1.635  | -23.822 | 28.219 | 10.788 | -23.533 | 30.422 | 7.501  | 0.103 | 247.312 | 1.457 | 0.103 | 223.772 | 0.873 | 0.103 | 20.442  | 0.028 | 0.103 | 19.127 | 0.033 |
| 40 | 4914 | 4915 | NS | 1 | -34.854 | 23.157 | 0.137 | -34.959 | 23.013 | 0.032  | -3.638  | 29.693 | 7.849  | -7.048  | 30.179 | 21.813 | 0.103 | 258.289 | 1.984 | 0.103 | 264.591 | 2.227 | 0.103 | 0.283   | 0.0   | 0.103 | 0.512  | 0.0   |
| 41 | 4914 | 4915 | NS | 2 | -34.854 | 23.157 | 0.137 | -34.959 | 23.013 | 0.032  | -3.638  | 29.693 | 7.849  | -7.048  | 30.179 | 21.813 | 0.103 | 258.289 | 1.984 | 0.103 | 264.591 | 2.227 | 0.103 | 0.283   | 0.0   | 0.103 | 0.512  | 0.0   |
| 42 | 4915 | 4916 | NS | 1 | -34.601 | 22.706 | 0.051 | -34.038 | 24.35  | 0.047  | -5.069  | 29.331 | 6.963  | -7.107  | 31.143 | 18.204 | 0.103 | 243.735 | 2.242 | 0.103 | 214.09  | 1.789 | 0.103 | 0.357   | 0.0   | 0.103 | 0.518  | 0.0   |
| 43 | 4915 | 4916 | SN | 1 | -33.956 | 23.493 | 0.029 | -34.957 | 24.395 | 0.535  | 7.198   | 26.985 | 11.351 | -1.821  | 28.587 | 5.704  | 0.103 | 210.068 | 1.785 | 0.103 | 264.465 | 1.519 | 0.103 | 0.115   | 0.0   | 0.103 | 0.218  | 0.0   |
| 44 | 4915 | 4916 | SN | 3 | -34.295 | 23.493 | 0.048 | -34.973 | 24.396 | 0.587  | 1.939   | 26.985 | 11.334 | -1.821  | 28.587 | 5.723  | 0.103 | 227.115 | 1.752 | 0.103 | 265.492 | 1.554 | 0.103 | 0.149   | 0.0   | 0.103 | 0.218  | 0.0   |
| 45 | 4915 | 4916 | SN | 1 | -33.956 | 23.491 | 0.048 | -34.957 | 24.395 | 0.588  | 1.939   | 26.985 | 11.336 | -1.821  | 28.587 | 5.723  | 0.103 | 210.068 | 1.754 | 0.103 | 264.465 | 1.555 | 0.103 | 0.149   | 0.0   | 0.103 | 0.218  | 0.0   |
| 46 | 4915 | 4916 | NS | 2 | -34.601 | 22.706 | 0.051 | -34.038 | 24.35  | 0.047  | -5.069  | 29.331 | 6.963  | -7.107  | 31.143 | 18.204 | 0.103 | 243.735 | 2.242 | 0.103 | 214.09  | 1.79  | 0.103 | 0.357   | 0.0   | 0.103 | 0.518  | 0.0   |
| 47 | 4916 | 4917 | SN | 2 | -34.852 | 22.509 | 0.017 | -34.95  | 24.064 | 0.36   | 6.654   | 28.153 | 15.949 | 4.272   | 28.731 | 17.707 | 0.103 | 258.21  | 2.101 | 0.103 | 264.025 | 1.753 | 0.103 | 0.117   | 0.0   | 0.103 | 0.129  | 0.0   |
| 48 | 4916 | 4917 | NS | 1 | -34.697 | 22.529 | 0.055 | -34.147 | 23.362 | 0.048  | -12.795 | 27.648 | 3.961  | -15.19  | 32.198 | 12.27  | 0.103 | 249.143 | 2.936 | 0.103 | 219.495 | 1.907 | 0.103 | 1.688   | 0.001 | 0.102 | 2.87   | 0.007 |
| 49 | 4916 | 4917 | NS | 1 | -34.697 | 22.529 | 0.055 | -34.147 | 23.362 | 0.048  | -12.795 | 27.648 | 3.954  | -15.19  | 32.198 | 12.251 | 0.103 | 249.143 | 2.936 | 0.103 | 219.495 | 1.907 | 0.103 | 1.688   | 0.001 | 0.102 | 2.87   | 0.007 |
| 50 | 4916 | 4917 | SN | 1 | -34.852 | 22.509 | 0.017 | -34.95  | 24.064 | 0.36   | 6.654   | 28.153 | 15.949 | 4.272   | 28.731 | 17.707 | 0.103 | 258.21  | 2.101 | 0.103 | 264.025 | 1.753 | 0.103 | 0.117   | 0.0   | 0.103 | 0.129  | 0.0   |
| 51 | 4917 | 4918 | NS | 1 | -34.779 | 23.98  | 0.132 | -34.275 | 23.937 | 0.235  | -7.995  | 27.252 | 4.802  | -9.817  | 29.452 | 13.778 | 0.103 | 253.885 | 3.275 | 0.103 | 226.077 | 2.342 | 0.103 | 0.616   | 0.0   | 0.103 | 0.892  | 0.0   |
| 52 | 4917 | 4918 | NS | 1 | -34.779 | 23.98  | 0.132 | -34.275 | 23.937 | 0.235  | -7.995  | 27.252 | 4.802  | -9.817  | 29.452 | 13.778 | 0.103 | 253.885 | 3.281 | 0.103 | 226.077 | 2.347 | 0.103 | 0.616   | 0.0   | 0.103 | 0.892  | 0.0   |
| 53 | 4917 | 4918 | SN | 1 | -34.748 | 23.142 | 0.034 | -34.584 | 24.41  | 0.208  | 6.422   | 27.396 | 14.027 | 1.646   | 29.729 | 16.528 | 0.103 | 252.077 | 3.366 | 0.103 | 242.789 | 2.736 | 0.103 | 0.118   | 0.0   | 0.103 | 0.152  | 0.0   |
| 54 | 4917 | 4918 | SN | 1 | -34.748 | 23.14  | 0.04  | -34.584 | 24.41  | 0.282  | 6.422   | 27.396 | 14.011 | 1.646   | 29.729 | 16.528 | 0.103 | 252.077 | 3.351 | 0.103 | 242.789 | 2.767 | 0.103 | 0.118   | 0.0   | 0.103 | 0.152  | 0.0   |
| 55 | 4917 | 4918 | SN | 2 | -34.748 | 23.14  | 0.04  | -34.584 | 24.41  | 0.282  | 6.422   | 27.396 | 14.011 | 1.646   | 29.729 | 16.528 | 0.103 | 252.077 | 3.351 | 0.103 | 242.789 | 2.767 | 0.103 | 0.118   | 0.0   | 0.103 | 0.152  | 0.0   |
| 56 | 4918 | 4919 | SN | 1 | -34.861 | 22.967 | 0.005 | -34.92  | 24.031 | 0.006  | 1.255   | 27.631 | 10.504 | -1.519  | 30.874 | 11.535 | 0.103 | 258.729 | 4.508 | 0.103 | 262.224 | 3.873 | 0.103 | 0.157   | 0.0   | 0.103 | 0.21   | 0.0   |
| 57 | 4918 | 4919 | SN | 2 | -34.861 | 22.967 | 0.005 | -34.92  | 24.031 | 0.006  | 1.255   | 27.631 | 10.504 | -1.519  | 30.874 | 11.535 | 0.103 | 258.729 | 4.508 | 0.103 | 262.224 | 3.873 | 0.103 | 0.157   | 0.0   | 0.103 | 0.21   | 0.0   |
| 58 | 4918 | 4919 | NS | 3 | -34.79  | 25.1   | 0.575 | -34.728 | 25.826 | 1.399  | -12.996 | 29.265 | 9.688  | -8.864  | 29.98  | 17.372 | 0.103 | 254.549 | 1.622 | 0.103 | 250.928 | 1.215 | 0.103 | 1.765   | 0.004 | 0.103 | 0.733  | 0.0   |
| 59 | 4918 | 4919 | NS | 2 | -34.778 | 25.1   | 0.575 | -33.197 | 25.826 | 1.398  | -12.999 | 29.265 | 9.688  | -8.859  | 29.978 | 17.371 | 0.103 | 253.807 | 1.625 | 0.103 | 176.396 | 1.214 | 0.103 | 1.766   | 0.004 | 0.103 | 0.732  | 0.0   |
| 60 | 4918 | 4919 | SN | 1 | -34.885 | 22.969 | 0.005 | -34.813 | 25.837 | 0.843  | 1.253   | 27.631 | 9.838  | -1.516  | 30.874 | 11.443 | 0.103 | 260.075 | 4.631 | 0.103 | 255.87  | 3.743 | 0.103 | 0.157   | 0.0   | 0.103 | 0.21   | 0.0   |
| 61 | 4919 | 4920 | SN | 1 | -33.871 | 22.571 | 0.006 | -34.97  | 26.106 | 2.191  | -32.462 | 31.531 | 10.605 | -26.091 | 33.867 | 15.653 | 0.103 | 206.036 | 2.191 | 0.103 | 265.26  | 1.867 | 0.103 | 148.949 | 0.011 | 0.102 | 34.409 | 0.003 |
| 62 | 4919 | 4920 | SN | 1 | -33.294 | 22.571 | 0.084 | -33.327 | 26.106 | 14.123 | 9.282   | 22.939 | 0.021  | 11.098  | 26.697 | 0.254  | 0.103 | 180.403 | 4.07  | 0.103 | 181.743 | 2.717 | 0.103 | 0.11    | 0.0   | 0.103 | 0.108  | 0.0   |
| 63 | 4919 | 4920 | NS | 1 | -34.945 | 24.12  | 0.788 | -34.902 | 25.515 | 0.956  | 5.587   | 32.102 | 8.463  | 6.382   | 30.779 | 17.193 | 0.103 | 263.769 | 2.964 | 0.103 | 261.138 | 2.104 | 0.102 | 0.122   | 0.0   | 0.103 | 0.118  | 0.0   |
| 64 | 4920 | 4921 | NS | 1 | -34.326 | 24.817 | 1.015 | -33.904 | 25.517 | 0.663  | -2.424  | 27.746 | 11.454 | -1.291  | 30.216 | 37.473 | 0.103 | 228.719 | 3.573 | 0.103 | 207.582 | 2.897 | 0.103 | 0.236   | 0.0   | 0.103 | 0.204  | 0.0   |
| 65 | 4920 | 4921 | SN | 1 | -33.86  | 24.017 | 0.05  | -34.617 | 26.607 | 2.48   | -10.965 | 28.536 | 14.297 | -2.487  | 30.312 | 21.694 | 0.103 | 205.522 | 1.729 | 0.103 | 244.559 | 1.686 | 0.103 | 1.136   | 0.002 | 0.103 | 0.238  | 0.0   |
| 66 | 4920 | 4921 | NS | 2 | -34.869 | 24.817 | 1.015 | -34.235 | 25.517 | 0.663  | -2.415  | 27.747 | 11.456 | -1.291  | 30.216 | 37.459 | 0.103 | 259.187 | 3.574 | 0.103 | 223.982 | 2.899 | 0.103 | 0.236   | 0.0   | 0.103 | 0.204  | 0.0   |
| 67 | 4921 | 4922 | NS | 1 | -34.55  | 24.352 | 1.367 | -34.436 | 25.182 | 0.73   | -14.743 | 28.561 | 10.949 | -17.433 | 30.403 | 26.881 | 0.103 | 240.894 | 1.913 | 0.103 | 234.633 | 1.572 | 0.103 | 2.597   | 0.046 | 0.103 | 4.756  | 0.02  |
| 68 | 4921 | 4922 | SN | 1 | -34.181 | 27.772 | 0.171 | -32.139 | 27.679 | 2.861  | -5.906  | 31.878 | 14.738 | -3.906  | 30.806 | 16.53  | 0.103 | 221.249 | 0.846 | 0.103 | 138.278 | 0.52  | 0.102 | 0.414   | 0.0   | 0.103 | 0.295  | 0.0   |
| 69 | 4922 | 4923 | SN | 1 | -34.71  | 26.606 | 0.604 | -34.524 | 28.679 | 3.81   | -9.899  | 28.173 | 15.093 | -10.7   | 30.64  | 18.578 | 0.103 | 249.839 | 1.938 | 0.103 | 239.401 | 1.369 | 0.103 | 0.907   | 0.0   | 0.103 | 1.074  | 0.002 |
| 70 | 4922 | 4923 | NS | 1 | -34.394 | 24.698 | 2.153 | -32.037 | 25.223 | 1.317  | -0.618  | 28.965 | 13.797 | 6.272   | 31.019 | 22.98  | 0.103 | 232.322 | 1.031 | 0.103 | 135.064 | 1.096 | 0.103 | 0.189   | 0.0   | 0.103 | 0.119  | 0.0   |
| 71 | 4923 | 4924 | NS | 1 | -34.639 | 24.98  | 2.518 | -34.991 | 26.08  | 2.068  | -6.468  | 28.047 | 23.835 | -6.929  | 30.159 | 37.948 | 0.103 | 245.821 | 1.599 | 0.103 | 266.576 | 1.263 | 0.103 | 0.459   | 0.0   | 0.103 | 0.5    | 0.0   |
| 72 | 4923 | 4924 | NS | 1 | -34.639 | 24.98  | 2.518 | -34.991 | 26.08  | 2.068  | -6.468  | 28.047 | 23.247 | -6.929  | 30.159 | 37.57  | 0.103 | 245.821 | 1.599 | 0.103 | 266.576 | 1.263 | 0.103 | 0.459   | 0.0   | 0.103 | 0.5    | 0.0   |

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

- Normal
- Deviations
- Alarming
- High Errors

|    |      |      |    |   |         |        |       |         |        |       |         |        |        |         |        |        |       |         |       |       |         |       |       |       |       |       |       |       |
|----|------|------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|
| 73 | 4923 | 4924 | SN | 1 | -31.797 | 24.028 | 1.144 | -34.519 | 27.093 | 6.167 | -16.123 | 31.295 | 12.656 | -17.241 | 29.726 | 17.649 | 0.103 | 127.803 | 3.115 | 0.103 | 239.16  | 2.19  | 0.103 | 3.538 | 0.005 | 0.103 | 4.555 | 0.006 |
| 74 | 4924 | 4925 | NS | 1 | -34.484 | 25.114 | 1.776 | -33.941 | 26.208 | 1.072 | 10.257  | 28.261 | 23.069 | 11.148  | 30.431 | 39.551 | 0.103 | 237.187 | 1.992 | 0.103 | 209.367 | 1.535 | 0.103 | 0.109 | 0.0   | 0.103 | 0.108 | 0.0   |
| 75 | 4924 | 4925 | NS | 1 | -34.484 | 25.114 | 1.776 | -33.941 | 26.208 | 1.072 | 10.257  | 28.261 | 23.45  | 11.148  | 30.431 | 39.487 | 0.103 | 237.187 | 1.992 | 0.103 | 209.367 | 1.535 | 0.103 | 0.109 | 0.0   | 0.103 | 0.108 | 0.0   |
| 76 | 4924 | 4925 | SN | 1 | -34.94  | 24.265 | 0.513 | -34.745 | 26.476 | 3.781 | -10.651 | 28.555 | 21.429 | -10.952 | 29.888 | 28.533 | 0.103 | 263.496 | 3.413 | 0.103 | 251.876 | 3.114 | 0.103 | 1.063 | 0.004 | 0.103 | 1.134 | 0.002 |
| 77 | 4925 | 4926 | NS | 1 | -34.15  | 25.47  | 1.287 | -34.79  | 24.384 | 0.277 | 7.46    | 29.078 | 21.74  | 8.764   | 30.521 | 38.872 | 0.103 | 219.633 | 3.126 | 0.103 | 254.552 | 2.27  | 0.103 | 0.115 | 0.0   | 0.103 | 0.111 | 0.0   |

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

- Normal
- Deviations
- Alarming
- High Errors



|       |             |           |      |      | Outer           |        |           |               |         |           |          |          |           |          |         |           |
|-------|-------------|-----------|------|------|-----------------|--------|-----------|---------------|---------|-----------|----------|----------|-----------|----------|---------|-----------|
|       |             |           |      |      | Incidence Angle |        |           | Azimuth Angle |         |           | Range    |          |           | X-Factor |         |           |
| Sr No | Start Orbit | End Orbit | Dir. | Ver. | Min             | Max    | BadOcc(%) | Min           | Max     | BadOcc(%) | Min      | Max      | BadOcc(%) | Min      | Max     | BadOcc(%) |
| 1     | 4898        | 4899      | SN   | 1    | 57.589          | 58.186 | 0.0       | 0.003         | 1.963   | 0.2       | 1210.096 | 1259.288 | 0.0       | -93.315  | -91.733 | 0.0       |
| 2     | 4898        | 4899      | NS   | 1    | 57.606          | 58.201 | 0.0       | 0.003         | 1.969   | 0.184     | 1215.136 | 1259.512 | 0.0       | -93.675  | -91.641 | 0.0       |
| 3     | 4898        | 4899      | SN   | 2    | 57.589          | 58.186 | 0.0       | 0.003         | 1.963   | 0.2       | 1210.096 | 1259.28  | 0.0       | -93.336  | -91.733 | 0.0       |
| 4     | 4898        | 4899      | SN   | 1    | 57.589          | 58.186 | 0.0       | 0.003         | 1.963   | 0.205     | 1210.096 | 1259.152 | 0.0       | -93.315  | -91.733 | 0.0       |
| 5     | 4898        | 4899      | NS   | 2    | 57.604          | 58.201 | 0.0       | 0.003         | 1.969   | 0.184     | 1215.136 | 1259.504 | 0.0       | -93.675  | -91.641 | 0.0       |
| 6     | 4899        | 4900      | SN   | 1    | 57.561          | 58.186 | 0.0       | 0.003         | 1.963   | 0.189     | 1209.456 | 1259.088 | 0.0       | -93.429  | -91.792 | 0.0       |
| 7     | 4899        | 4900      | NS   | 1    | 57.618          | 58.204 | 0.0       | 0.003         | 1.963   | 0.171     | 1215.52  | 1259.552 | 0.0       | -93.615  | -91.644 | 0.0       |
| 8     | 4899        | 4900      | NS   | 2    | 57.634          | 58.205 | 0.0       | 0.003         | 1.969   | 0.17      | 1215.936 | 1259.552 | 0.0       | -93.657  | -91.643 | 0.0       |
| 9     | 4899        | 4900      | SN   | 2    | 57.561          | 58.186 | 0.0       | 0.003         | 1.963   | 0.187     | 1209.456 | 1259.248 | 0.0       | -93.443  | -91.792 | 0.0       |
| 10    | 4899        | 4900      | SN   | 1    | 57.56           | 58.185 | 0.0       | 0.003         | 1.963   | 0.187     | 1209.44  | 1259.208 | 0.0       | -93.429  | -91.791 | 0.0       |
| 11    | 4900        | 4901      | NS   | 1    | 54.426          | 61.067 | 3.657     | 0.003         | 304.417 | 0.232     | 1140.504 | 1305.784 | 2.522     | -107.23  | -91.38  | 1.06      |
| 12    | 4900        | 4901      | NS   | 2    | 54.426          | 61.067 | 3.654     | 0.003         | 327.552 | 0.232     | 1140.496 | 1305.8   | 2.52      | -107.23  | -91.38  | 1.057     |
| 13    | 4900        | 4901      | SN   | 1    | 57.431          | 58.447 | 0.0       | 0.003         | 1.969   | 0.186     | 1208.512 | 1264.848 | 3.164     | -93.352  | -91.809 | 0.0       |
| 14    | 4900        | 4901      | SN   | 1    | 57.436          | 58.449 | 0.0       | 0.003         | 326.869 | 0.184     | 1208.536 | 1264.824 | 3.077     | -93.499  | -91.809 | 0.0       |
| 15    | 4900        | 4901      | SN   | 2    | 57.431          | 58.463 | 0.0       | 0.003         | 1.969   | 0.184     | 1208.512 | 1266.696 | 3.123     | -93.352  | -91.809 | 0.0       |
| 16    | 4901        | 4902      | NS   | 2    | 57.339          | 58.384 | 0.0       | 0.003         | 1.963   | 0.177     | 1209.208 | 1264.88  | 0.977     | -93.624  | -91.694 | 0.0       |
| 17    | 4901        | 4902      | NS   | 1    | 57.349          | 58.383 | 0.0       | 0.003         | 1.963   | 0.177     | 1209.24  | 1264.736 | 0.932     | -93.694  | -91.694 | 0.0       |
| 18    | 4901        | 4902      | SN   | 1    | 57.138          | 58.717 | 6.148     | 0.003         | 1.969   | 0.186     | 1201.712 | 1272.432 | 11.217    | -93.396  | -91.853 | 0.0       |
| 19    | 4901        | 4902      | SN   | 1    | 57.134          | 58.716 | 6.012     | 0.003         | 1.969   | 0.183     | 1201.72  | 1271.408 | 11.026    | -93.415  | -91.853 | 0.0       |
| 20    | 4901        | 4902      | SN   | 1    | 57.138          | 58.717 | 6.033     | 0.003         | 1.969   | 0.182     | 1201.712 | 1272.432 | 11.005    | -93.466  | -91.853 | 0.0       |
| 21    | 4902        | 4903      | NS   | 1    | 57.612          | 58.24  | 0.0       | 0.003         | 1.963   | 0.178     | 1215.672 | 1264.328 | 0.0       | -93.985  | -91.631 | 0.0       |
| 22    | 4902        | 4903      | SN   | 1    | 57.632          | 58.261 | 0.0       | 0.003         | 1.969   | 0.189     | 1220.32  | 1264.576 | 0.0       | -93.736  | -91.874 | 0.0       |
| 23    | 4902        | 4903      | SN   | 1    | 57.632          | 58.261 | 0.0       | 0.003         | 1.969   | 0.183     | 1220.32  | 1264.584 | 0.0       | -93.736  | -91.874 | 0.0       |
| 24    | 4902        | 4903      | NS   | 2    | 57.612          | 58.24  | 0.0       | 0.003         | 1.963   | 0.178     | 1215.672 | 1264.328 | 0.0       | -93.985  | -91.631 | 0.0       |
| 25    | 4902        | 4903      | SN   | 2    | 57.632          | 58.261 | 0.0       | 0.003         | 1.969   | 0.189     | 1220.32  | 1264.576 | 0.0       | -93.736  | -91.874 | 0.0       |
| 26    | 4903        | 4904      | NS   | 1    | 57.609          | 58.236 | 0.0       | 0.003         | 30.476  | 0.228     | 1215.696 | 1264.4   | 0.0       | -93.696  | -91.651 | 0.0       |
| 27    | 4903        | 4904      | SN   | 2    | 57.627          | 58.247 | 0.0       | 0.003         | 1.969   | 0.187     | 1219.76  | 1264.632 | 0.0       | -93.488  | -91.874 | 0.0       |
| 28    | 4904        | 4905      | NS   | 1    | 57.632          | 58.247 | 0.0       | 0.003         | 1.969   | 0.176     | 1215.224 | 1264.4   | 0.0       | -93.77   | -91.649 | 0.0       |
| 29    | 4904        | 4905      | SN   | 1    | 57.654          | 58.243 | 0.0       | 0.003         | 1.969   | 0.2       | 1220.312 | 1264.592 | 0.0       | -93.366  | -91.877 | 0.0       |
| 30    | 4906        | 4907      | SN   | 1    | 55.866          | 60.234 | 69.182    | 0.003         | 1.991   | 0.183     | 1171.808 | 1313.696 | 43.194    | -95.744  | -92.02  | 0.0       |
| 31    | 4906        | 4907      | NS   | 1    | 57.612          | 58.232 | 0.0       | 0.003         | 28.331  | 0.231     | 1215.344 | 1264.512 | 0.0       | -93.639  | -91.635 | 0.0       |
| 32    | 4907        | 4908      | NS   | 1    | 55.731          | 60.179 | 74.287    | 0.003         | 328.766 | 0.185     | 1169.472 | 1313.032 | 47.014    | -97.004  | -91.993 | 0.0       |
| 33    | 4912        | 4913      | SN   | 1    | 57.662          | 58.246 | 0.0       | 0.003         | 1.974   | 0.201     | 1221.696 | 1264.704 | 0.0       | -93.471  | -91.876 | 0.0       |
| 34    | 4913        | 4914      | SN   | 2    | 57.654          | 58.245 | 0.0       | 0.003         | 1.974   | 0.193     | 1221.592 | 1264.688 | 0.0       | -93.315  | -91.885 | 0.0       |

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

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





|    |      |      |    |   |        |        |     |       |        |       |          |          |     |         |         |     |
|----|------|------|----|---|--------|--------|-----|-------|--------|-------|----------|----------|-----|---------|---------|-----|
| 35 | 4913 | 4914 | SN | 1 | 57.654 | 58.245 | 0.0 | 0.003 | 1.974  | 0.196 | 1221.592 | 1264.688 | 0.0 | -93.315 | -91.885 | 0.0 |
| 36 | 4913 | 4914 | NS | 1 | 57.637 | 58.22  | 0.0 | 0.003 | 1.969  | 0.175 | 1214.584 | 1264.312 | 0.0 | -93.824 | -91.627 | 0.0 |
| 37 | 4913 | 4914 | SN | 1 | 57.654 | 58.245 | 0.0 | 0.003 | 1.974  | 0.193 | 1221.592 | 1264.688 | 0.0 | -93.315 | -91.885 | 0.0 |
| 38 | 4914 | 4915 | SN | 3 | 57.639 | 58.244 | 0.0 | 0.003 | 1.969  | 0.182 | 1221.52  | 1264.536 | 0.0 | -93.487 | -91.884 | 0.0 |
| 39 | 4914 | 4915 | SN | 1 | 57.642 | 58.244 | 0.0 | 0.003 | 1.969  | 0.182 | 1221.144 | 1264.536 | 0.0 | -93.5   | -91.884 | 0.0 |
| 40 | 4914 | 4915 | NS | 1 | 57.639 | 58.213 | 0.0 | 0.003 | 1.969  | 0.171 | 1214.848 | 1264.272 | 0.0 | -93.688 | -91.634 | 0.0 |
| 41 | 4914 | 4915 | NS | 2 | 57.639 | 58.213 | 0.0 | 0.003 | 1.969  | 0.171 | 1214.848 | 1264.272 | 0.0 | -93.688 | -91.634 | 0.0 |
| 42 | 4915 | 4916 | NS | 1 | 57.611 | 58.227 | 0.0 | 0.003 | 29.119 | 0.22  | 1214.896 | 1264.176 | 0.0 | -93.629 | -91.644 | 0.0 |
| 43 | 4915 | 4916 | SN | 1 | 57.631 | 58.255 | 0.0 | 0.003 | 1.969  | 0.184 | 1221.408 | 1264.496 | 0.0 | -93.513 | -91.883 | 0.0 |
| 44 | 4915 | 4916 | SN | 3 | 57.64  | 58.254 | 0.0 | 0.003 | 1.969  | 0.181 | 1221.392 | 1264.488 | 0.0 | -93.453 | -91.883 | 0.0 |
| 45 | 4915 | 4916 | SN | 1 | 57.631 | 58.255 | 0.0 | 0.003 | 1.969  | 0.181 | 1221.408 | 1264.52  | 0.0 | -93.791 | -91.883 | 0.0 |
| 46 | 4915 | 4916 | NS | 2 | 57.611 | 58.227 | 0.0 | 0.003 | 29.119 | 0.22  | 1214.896 | 1264.176 | 0.0 | -93.629 | -91.644 | 0.0 |
| 47 | 4916 | 4917 | SN | 2 | 57.651 | 58.267 | 0.0 | 0.003 | 1.969  | 0.184 | 1220.912 | 1264.568 | 0.0 | -93.73  | -91.883 | 0.0 |
| 48 | 4916 | 4917 | NS | 1 | 57.627 | 58.238 | 0.0 | 0.003 | 1.969  | 0.179 | 1215.288 | 1264.136 | 0.0 | -93.829 | -91.609 | 0.0 |
| 49 | 4916 | 4917 | NS | 1 | 57.627 | 58.238 | 0.0 | 0.003 | 1.969  | 0.179 | 1215.288 | 1264.136 | 0.0 | -93.829 | -91.609 | 0.0 |
| 50 | 4916 | 4917 | SN | 1 | 57.651 | 58.267 | 0.0 | 0.003 | 1.969  | 0.184 | 1220.912 | 1264.568 | 0.0 | -93.73  | -91.883 | 0.0 |
| 51 | 4917 | 4918 | NS | 1 | 57.608 | 58.239 | 0.0 | 0.003 | 1.963  | 0.18  | 1214.72  | 1264.2   | 0.0 | -93.721 | -91.642 | 0.0 |
| 52 | 4917 | 4918 | NS | 1 | 57.608 | 58.239 | 0.0 | 0.003 | 1.963  | 0.18  | 1214.72  | 1264.2   | 0.0 | -93.721 | -91.642 | 0.0 |
| 53 | 4917 | 4918 | SN | 1 | 57.638 | 58.271 | 0.0 | 0.003 | 1.969  | 0.185 | 1220.952 | 1264.592 | 0.0 | -93.59  | -91.884 | 0.0 |
| 54 | 4917 | 4918 | SN | 1 | 57.638 | 58.271 | 0.0 | 0.003 | 1.969  | 0.184 | 1220.952 | 1264.608 | 0.0 | -93.561 | -91.884 | 0.0 |
| 55 | 4917 | 4918 | SN | 2 | 57.638 | 58.271 | 0.0 | 0.003 | 1.969  | 0.184 | 1220.952 | 1264.608 | 0.0 | -93.561 | -91.884 | 0.0 |
| 56 | 4918 | 4919 | SN | 1 | 57.652 | 58.246 | 0.0 | 0.003 | 1.969  | 0.201 | 1221.184 | 1264.816 | 0.0 | -93.335 | -91.876 | 0.0 |
| 57 | 4918 | 4919 | SN | 2 | 57.652 | 58.246 | 0.0 | 0.003 | 1.969  | 0.201 | 1221.184 | 1264.816 | 0.0 | -93.335 | -91.876 | 0.0 |
| 58 | 4918 | 4919 | NS | 3 | 57.623 | 58.242 | 0.0 | 0.003 | 30.559 | 0.222 | 1214.504 | 1264.224 | 0.0 | -93.855 | -91.641 | 0.0 |
| 59 | 4918 | 4919 | NS | 2 | 57.627 | 58.242 | 0.0 | 0.003 | 30.564 | 0.222 | 1214.368 | 1264.224 | 0.0 | -93.727 | -91.641 | 0.0 |
| 60 | 4918 | 4919 | SN | 1 | 57.643 | 58.245 | 0.0 | 0.003 | 1.969  | 0.19  | 1221.136 | 1264.576 | 0.0 | -93.458 | -91.876 | 0.0 |
| 61 | 4919 | 4920 | SN | 1 | 57.651 | 58.248 | 0.0 | 0.003 | 1.969  | 0.191 | 1221.656 | 1264.872 | 0.0 | -93.424 | -91.888 | 0.0 |
| 62 | 4919 | 4920 | SN | 1 | 57.854 | 58.234 | 0.0 | 0.174 | 1.969  | 0.004 | 1253.24  | 1264.872 | 0.0 | -93.424 | -92.196 | 0.0 |
| 63 | 4919 | 4920 | NS | 1 | 57.617 | 58.235 | 0.0 | 0.003 | 1.969  | 0.176 | 1214.608 | 1264.176 | 0.0 | -93.712 | -91.628 | 0.0 |
| 64 | 4920 | 4921 | NS | 1 | 57.606 | 58.239 | 0.0 | 0.003 | 1.969  | 0.179 | 1214.616 | 1264.2   | 0.0 | -93.685 | -91.575 | 0.0 |
| 65 | 4920 | 4921 | SN | 1 | 57.662 | 58.249 | 0.0 | 0.003 | 1.969  | 0.187 | 1221.824 | 1264.92  | 0.0 | -93.807 | -91.875 | 0.0 |
| 66 | 4920 | 4921 | NS | 2 | 57.613 | 58.238 | 0.0 | 0.003 | 1.969  | 0.179 | 1214.656 | 1264.2   | 0.0 | -93.638 | -91.575 | 0.0 |
| 67 | 4921 | 4922 | NS | 1 | 57.63  | 58.228 | 0.0 | 0.003 | 27.862 | 0.226 | 1213.8   | 1264.424 | 0.0 | -94.041 | -91.637 | 0.0 |
| 68 | 4921 | 4922 | SN | 1 | 57.648 | 58.25  | 0.0 | 0.003 | 1.974  | 0.184 | 1221.904 | 1265.016 | 0.0 | -93.358 | -91.892 | 0.0 |
| 69 | 4922 | 4923 | SN | 1 | 57.639 | 58.25  | 0.0 | 0.003 | 1.969  | 0.189 | 1222.04  | 1264.832 | 0.0 | -93.533 | -91.891 | 0.0 |
| 70 | 4922 | 4923 | NS | 1 | 57.607 | 58.212 | 0.0 | 0.003 | 1.969  | 0.176 | 1214.4   | 1264.488 | 0.0 | -93.638 | -91.636 | 0.0 |
| 71 | 4923 | 4924 | NS | 1 | 57.611 | 58.21  | 0.0 | 0.003 | 28.937 | 0.217 | 1213.968 | 1264.224 | 0.0 | -93.7   | -91.635 | 0.0 |

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

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

|    |      |      |    |   |        |        |     |       |        |       |          |          |     |         |         |     |
|----|------|------|----|---|--------|--------|-----|-------|--------|-------|----------|----------|-----|---------|---------|-----|
| 72 | 4923 | 4924 | NS | 1 | 57.611 | 58.21  | 0.0 | 0.003 | 28.937 | 0.217 | 1213.968 | 1264.224 | 0.0 | -93.7   | -91.635 | 0.0 |
| 73 | 4923 | 4924 | SN | 1 | 57.63  | 58.274 | 0.0 | 0.003 | 1.969  | 0.188 | 1222.52  | 1264.72  | 0.0 | -93.471 | -91.873 | 0.0 |
| 74 | 4924 | 4925 | NS | 1 | 57.602 | 58.228 | 0.0 | 0.003 | 1.963  | 0.179 | 1213.472 | 1264.008 | 0.0 | -93.573 | -91.633 | 0.0 |
| 75 | 4924 | 4925 | NS | 1 | 57.602 | 58.228 | 0.0 | 0.003 | 1.963  | 0.179 | 1213.472 | 1264.008 | 0.0 | -93.573 | -91.633 | 0.0 |
| 76 | 4924 | 4925 | SN | 1 | 57.632 | 58.273 | 0.0 | 0.008 | 1.969  | 0.187 | 1222.152 | 1264.496 | 0.0 | -93.465 | -91.893 | 0.0 |
| 77 | 4925 | 4926 | NS | 1 | 57.63  | 58.232 | 0.0 | 0.003 | 30.658 | 0.217 | 1213.216 | 1263.864 | 0.0 | -93.68  | -91.631 | 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    | 4898        | 4899      | SN   | 1    | -34.476 | 19.129 | 0.0        | -34.42   | 20.583 | 0.0        | -27.31   | 23.408 | 0.143      | -28.443   | 24.526 | 0.298      | 0.083   | 193.354 | 2.722      | 0.083    | 190.865 | 2.014      | 0.083    | 37.179  | 0.049      | 0.083     | 48.242 | 0.054      |
| 2    | 4898        | 4899      | NS   | 1    | -33.98  | 21.491 | 0.0        | -34.244  | 22.249 | 0.001      | 3.662    | 23.046 | 0.086      | 2.581     | 24.656 | 0.836      | 0.083   | 172.453 | 2.205      | 0.083    | 183.279 | 1.876      | 0.083    | 0.107   | 0.0        | 0.083     | 0.114  | 0.0        |
| 3    | 4898        | 4899      | SN   | 2    | -34.834 | 19.129 | 0.0        | -33.669  | 20.583 | 0.0        | -27.396  | 23.408 | 0.143      | -28.494   | 24.526 | 0.298      | 0.083   | 209.885 | 2.722      | 0.083    | 160.558 | 2.008      | 0.083    | 37.917  | 0.049      | 0.083     | 48.812 | 0.054      |
| 4    | 4898        | 4899      | SN   | 1    | -34.476 | 19.129 | 0.0        | -34.42   | 20.583 | 0.0        | -27.31   | 23.408 | 0.143      | -28.443   | 24.526 | 0.298      | 0.083   | 193.354 | 2.84       | 0.083    | 190.865 | 2.057      | 0.083    | 37.179  | 0.049      | 0.083     | 48.242 | 0.054      |
| 5    | 4898        | 4899      | NS   | 2    | -34.014 | 21.491 | 0.0        | -34.209  | 22.251 | 0.001      | 3.662    | 23.046 | 0.086      | 2.581     | 24.656 | 0.833      | 0.083   | 173.815 | 2.206      | 0.083    | 181.76  | 1.873      | 0.083    | 0.107   | 0.0        | 0.083     | 0.114  | 0.0        |
| 6    | 4899        | 4900      | SN   | 1    | -34.821 | 19.633 | 0.0        | -34.654  | 19.947 | 0.0        | -5.086   | 23.702 | 0.126      | -5.519    | 24.248 | 0.46       | 0.083   | 209.339 | 2.78       | 0.083    | 201.402 | 2.291      | 0.083    | 0.291   | 0.0        | 0.083     | 0.314  | 0.0        |
| 7    | 4899        | 4900      | NS   | 1    | -33.707 | 21.241 | 0.0        | -32.935  | 22.152 | 0.001      | -14.221  | 23.095 | 0.076      | -18.319   | 24.16  | 0.479      | 0.083   | 161.965 | 0.831      | 0.083    | 135.605 | 0.555      | 0.083    | 1.887   | 0.002      | 0.083     | 4.746  | 0.001      |
| 8    | 4899        | 4900      | NS   | 2    | -34.363 | 21.242 | 0.0        | -32.621  | 22.153 | 0.001      | -14.302  | 23.095 | 0.078      | -18.356   | 24.16  | 0.478      | 0.083   | 188.354 | 0.83       | 0.083    | 126.15  | 0.554      | 0.083    | 1.921   | 0.002      | 0.083     | 4.786  | 0.001      |
| 9    | 4899        | 4900      | SN   | 2    | -34.821 | 19.633 | 0.0        | -34.654  | 19.947 | 0.0        | -5.086   | 23.702 | 0.126      | -5.519    | 24.248 | 0.46       | 0.083   | 209.339 | 2.747      | 0.083    | 201.402 | 2.277      | 0.083    | 0.291   | 0.0        | 0.083     | 0.314  | 0.0        |
| 10   | 4899        | 4900      | SN   | 1    | -34.04  | 19.633 | 0.0        | -34.786  | 19.947 | 0.0        | -5.088   | 23.7   | 0.126      | -5.521    | 24.248 | 0.46       | 0.083   | 174.894 | 2.743      | 0.083    | 207.614 | 2.28       | 0.083    | 0.291   | 0.0        | 0.083     | 0.314  | 0.0        |
| 11   | 4900        | 4901      | NS   | 1    | -34.728 | 18.162 | 0.0        | -34.159  | 17.215 | 0.0        | -15.948  | 22.108 | 0.008      | -27.833   | 24.205 | 0.31       | 0.083   | 431.565 | 2.267      | 0.084    | 179.748 | 1.55       | 0.083    | 9.055   | 0.019      | 0.083     | 41.94  | 0.047      |
| 12   | 4900        | 4901      | NS   | 2    | -34.454 | 18.162 | 0.0        | -33.769  | 17.214 | 0.0        | -15.094  | 22.11  | 0.008      | -27.38    | 24.205 | 0.309      | 0.083   | 288.418 | 2.263      | 0.084    | 164.308 | 1.553      | 0.083    | 7.479   | 0.019      | 0.083     | 37.778 | 0.047      |
| 13   | 4900        | 4901      | SN   | 1    | -33.746 | 17.8   | 0.0        | -34.902  | 18.496 | 0.0        | 2.361    | 22.67  | 0.039      | 2.961     | 23.781 | 0.227      | 0.083   | 163.404 | 1.862      | 0.083    | 213.262 | 1.368      | 0.083    | 0.116   | 0.0        | 0.083     | 0.112  | 0.0        |
| 14   | 4900        | 4901      | SN   | 1    | -34.057 | 17.802 | 0.0        | -33.474  | 18.495 | 0.0        | 2.361    | 22.67  | 0.039      | 2.96      | 23.781 | 0.226      | 0.083   | 175.588 | 1.883      | 0.083    | 153.48  | 1.356      | 0.083    | 0.116   | 0.0        | 0.083     | 0.112  | 0.0        |
| 15   | 4900        | 4901      | SN   | 2    | -33.746 | 17.8   | 0.0        | -34.902  | 18.496 | 0.0        | 2.361    | 22.67  | 0.039      | 2.961     | 23.781 | 0.227      | 0.083   | 163.404 | 1.886      | 0.083    | 213.262 | 1.356      | 0.083    | 0.116   | 0.0        | 0.083     | 0.112  | 0.0        |
| 16   | 4901        | 4902      | NS   | 2    | -34.875 | 17.113 | 0.0        | -32.047  | 16.869 | 0.0        | -28.03   | 22.506 | 0.02       | -22.595   | 23.615 | 0.284      | 0.084   | 214.409 | 1.203      | 0.084    | 110.56  | 0.936      | 0.083    | 43.877  | 0.01       | 0.083     | 12.597 | 0.049      |
| 17   | 4901        | 4902      | NS   | 1    | -34.793 | 17.113 | 0.0        | -34.4    | 16.869 | 0.0        | -27.131  | 22.506 | 0.02       | -22.553   | 23.614 | 0.284      | 0.084   | 207.968 | 1.205      | 0.084    | 189.978 | 0.935      | 0.083    | 35.683  | 0.01       | 0.083     | 12.476 | 0.049      |
| 18   | 4901        | 4902      | SN   | 1    | -34.86  | 16.666 | 0.0        | -34.866  | 19.454 | 0.0        | -6.426   | 22.701 | 0.195      | -13.261   | 23.293 | 0.768      | 0.084   | 211.156 | 3.764      | 0.083    | 211.517 | 2.727      | 0.083    | 0.37    | 0.0        | 0.083     | 1.526  | 0.009      |
| 19   | 4901        | 4902      | SN   | 1    | -34.98  | 17.712 | 0.0        | -33.72   | 19.454 | 0.0        | -6.42    | 22.699 | 0.194      | -13.225   | 23.292 | 0.74       | 0.083   | 217.113 | 3.653      | 0.083    | 162.443 | 2.777      | 0.083    | 0.37    | 0.0        | 0.083     | 1.513  | 0.009      |
| 20   | 4901        | 4902      | SN   | 1    | -34.86  | 17.712 | 0.0        | -34.866  | 19.454 | 0.0        | -6.426   | 22.701 | 0.195      | -13.261   | 23.293 | 0.741      | 0.083   | 211.156 | 3.709      | 0.083    | 211.517 | 2.788      | 0.083    | 0.37    | 0.0        | 0.083     | 1.526  | 0.009      |
| 21   | 4902        | 4903      | NS   | 1    | -33.905 | 18.137 | 0.0        | -34.499  | 18.717 | 0.0        | -21.116  | 23.095 | 0.037      | -26.06    | 23.863 | 0.201      | 0.083   | 169.542 | 3.278      | 0.083    | 194.383 | 2.902      | 0.083    | 8.981   | 0.015      | 0.083     | 27.902 | 0.005      |
| 22   | 4902        | 4903      | SN   | 1    | -34.105 | 17.486 | 0.0        | -34.835  | 18.663 | 0.0        | 0.936    | 22.283 | 0.079      | 3.167     | 23.14  | 1.206      | 0.083   | 177.483 | 2.985      | 0.083    | 209.978 | 2.353      | 0.083    | 0.13    | 0.0        | 0.083     | 0.11   | 0.0        |
| 23   | 4902        | 4903      | SN   | 1    | -34.105 | 17.486 | 0.0        | -34.835  | 18.663 | 0.0        | 0.936    | 22.283 | 0.076      | 3.167     | 23.14  | 1.14       | 0.083   | 177.483 | 2.91       | 0.083    | 209.978 | 2.443      | 0.083    | 0.13    | 0.0        | 0.083     | 0.11   | 0.0        |
| 24   | 4902        | 4903      | NS   | 2    | -33.905 | 18.137 | 0.0        | -34.499  | 18.717 | 0.0        | -21.116  | 23.095 | 0.037      | -26.06    | 23.863 | 0.201      | 0.083   | 169.542 | 3.278      | 0.083    | 194.383 | 2.902      | 0.083    | 8.981   | 0.015      | 0.083     | 27.902 | 0.005      |
| 25   | 4902        | 4903      | SN   | 2    | -34.105 | 17.486 | 0.0        | -34.835  | 18.663 | 0.0        | 0.936    | 22.283 | 0.079      | 3.167     | 23.14  | 1.206      | 0.083   | 177.483 | 2.985      | 0.083    | 209.978 | 2.353      | 0.083    | 0.13    | 0.0        | 0.083     | 0.11   | 0.0        |
| 26   | 4903        | 4904      | NS   | 1    | -34.38  | 18.15  | 0.0        | -34.826  | 18.348 | 0.0        | -28.986  | 23.379 | 0.151      | -20.453   | 23.672 | 0.6        | 0.083   | 189.134 | 2.268      | 0.083    | 209.549 | 1.951      | 0.083    | 54.662  | 0.141      | 0.083     | 7.717  | 0.068      |
| 27   | 4903        | 4904      | SN   | 2    | -34.629 | 17.638 | 0.0        | -34.685  | 18.578 | 0.0        | 1.369    | 22.423 | 0.028      | 4.036     | 22.342 | 0.025      | 0.083   | 200.264 | 3.516      | 0.083    | 202.859 | 3.563      | 0.083    | 0.125   | 0.0        | 0.083     | 0.105  | 0.0        |
| 28   | 4904        | 4905      | NS   | 1    | -34.877 | 18.552 | 0.0        | -34.492  | 19.923 | 0.0        | 3.411    | 23.006 | 0.393      | 2.708     | 26.576 | 1.76       | 0.083   | 211.988 | 2.006      | 0.083    | 194.029 | 1.389      | 0.083    | 0.109   | 0.0        | 0.083     | 0.114  | 0.0        |
| 29   | 4904        | 4905      | SN   | 1    | -34.881 | 18.037 | 0.0        | -34.434  | 17.625 | 0.0        | -19.772  | 23.816 | 0.663      | -5.201    | 24.627 | 1.462      | 0.083   | 212.28  | 2.679      | 0.083    | 191.479 | 2.608      | 0.083    | 6.606   | 0.003      | 0.083     | 0.297  | 0.0        |
| 30   | 4906        | 4907      | SN   | 1    | -34.829 | 19.601 | 0.0        | -34.767  | 20.599 | 0.0        | -34.993  | 22.324 | 0.013      | -27.891   | 24.477 | 0.71       | 0.083   | 216.901 | 10.435     | 0.083    | 206.752 | 3.503      | 0.083    | 233.593 | 0.772      | 0.083     | 42.485 | 0.05       |
| 31   | 4906        | 4907      | NS   | 1    | -34.871 | 18.15  | 0.0        | -34.666  | 18.993 | 0.0        | -25.083  | 22.026 | 0.004      | -16.616   | 24.557 | 3.08       | 0.083   | 211.73  | 3.471      | 0.083    | 201.98  | 2.794      | 0.083    | 22.288  | 0.025      | 0.083     | 3.228  | 0.009      |
| 32   | 4907        | 4908      | NS   | 1    | -34.857 | 18.376 | 0.0        | -34.982  | 19.805 | 0.0        | -32.069  | 20.45  | 0.0        | -30.032   | 21.329 | 0.0        | 0.083   | 272.923 | 5.849      | 0.083    | 217.189 | 4.665      | 0.083    | 114.819 | 0.497      | 0.083     | 69.516 | 0.297      |





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

|    |      |      |    |   |         |        |     |         |        |       |         |        |       |         |        |       |       |         |       |       |         |       |       |        |       |       |        |       |
|----|------|------|----|---|---------|--------|-----|---------|--------|-------|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 33 | 4912 | 4913 | SN | 1 | -34.988 | 19.058 | 0.0 | -34.594 | 19.783 | 0.0   | -16.76  | 23.414 | 0.038 | -10.409 | 23.604 | 0.056 | 0.083 | 217.55  | 3.383 | 0.083 | 198.64  | 2.828 | 0.083 | 3.335  | 0.002 | 0.083 | 0.823  | 0.0   |
| 34 | 4913 | 4914 | SN | 2 | -33.505 | 18.871 | 0.0 | -34.365 | 20.122 | 0.0   | -14.876 | 23.134 | 0.108 | -20.725 | 24.502 | 0.338 | 0.083 | 154.598 | 2.274 | 0.083 | 188.42  | 1.912 | 0.083 | 2.184  | 0.005 | 0.083 | 8.211  | 0.004 |
| 35 | 4913 | 4914 | SN | 1 | -33.505 | 18.594 | 0.0 | -34.365 | 20.122 | 0.0   | -14.876 | 23.134 | 0.108 | -20.725 | 24.502 | 0.338 | 0.083 | 154.598 | 2.309 | 0.083 | 188.42  | 1.878 | 0.083 | 2.184  | 0.005 | 0.083 | 8.211  | 0.004 |
| 36 | 4913 | 4914 | NS | 1 | -33.54  | 20.752 | 0.0 | -33.848 | 22.48  | 0.003 | -8.796  | 23.088 | 0.03  | -12.543 | 24.865 | 0.46  | 0.083 | 155.891 | 1.722 | 0.083 | 167.323 | 1.571 | 0.083 | 0.588  | 0.0   | 0.083 | 1.303  | 0.005 |
| 37 | 4913 | 4914 | SN | 1 | -33.505 | 18.871 | 0.0 | -34.365 | 20.122 | 0.0   | -14.876 | 23.134 | 0.108 | -20.725 | 24.502 | 0.338 | 0.083 | 154.598 | 2.27  | 0.083 | 188.42  | 1.909 | 0.083 | 2.184  | 0.005 | 0.083 | 8.211  | 0.004 |
| 38 | 4914 | 4915 | SN | 3 | -33.947 | 18.801 | 0.0 | -33.252 | 18.994 | 0.0   | -20.496 | 23.798 | 0.469 | -21.987 | 24.509 | 1.114 | 0.083 | 171.175 | 1.27  | 0.083 | 145.876 | 1.031 | 0.083 | 7.792  | 0.006 | 0.083 | 10.961 | 0.008 |
| 39 | 4914 | 4915 | SN | 1 | -33.144 | 18.801 | 0.0 | -34.789 | 18.994 | 0.0   | -20.457 | 23.798 | 0.469 | -21.964 | 24.508 | 1.114 | 0.083 | 142.29  | 1.27  | 0.083 | 207.779 | 1.034 | 0.083 | 7.726  | 0.006 | 0.083 | 10.904 | 0.008 |
| 40 | 4914 | 4915 | NS | 1 | -33.983 | 18.346 | 0.0 | -34.756 | 17.175 | 0.0   | -10.389 | 22.695 | 0.067 | -22.046 | 24.24  | 0.42  | 0.083 | 172.607 | 2.133 | 0.084 | 206.21  | 2.437 | 0.083 | 0.82   | 0.0   | 0.083 | 11.109 | 0.042 |
| 41 | 4914 | 4915 | NS | 2 | -33.983 | 18.346 | 0.0 | -34.756 | 17.175 | 0.0   | -10.389 | 22.695 | 0.067 | -22.046 | 24.24  | 0.42  | 0.083 | 172.607 | 2.133 | 0.084 | 206.21  | 2.437 | 0.083 | 0.82   | 0.0   | 0.083 | 11.109 | 0.042 |
| 42 | 4915 | 4916 | NS | 1 | -34.736 | 17.495 | 0.0 | -34.708 | 17.096 | 0.0   | -22.541 | 22.712 | 0.021 | -29.229 | 23.849 | 0.333 | 0.083 | 205.266 | 1.437 | 0.084 | 203.92  | 1.279 | 0.083 | 12.441 | 0.136 | 0.083 | 57.803 | 0.08  |
| 43 | 4915 | 4916 | SN | 1 | -34.996 | 17.658 | 0.0 | -34.314 | 18.506 | 0.0   | 2.072   | 22.805 | 0.099 | 2.766   | 23.47  | 0.338 | 0.083 | 217.894 | 1.7   | 0.083 | 186.249 | 1.591 | 0.083 | 0.119  | 0.0   | 0.083 | 0.113  | 0.0   |
| 44 | 4915 | 4916 | SN | 3 | -34.832 | 17.721 | 0.0 | -34.722 | 18.506 | 0.0   | 2.072   | 22.805 | 0.099 | 2.766   | 23.471 | 0.332 | 0.083 | 209.841 | 1.685 | 0.083 | 209.802 | 1.64  | 0.083 | 0.119  | 0.0   | 0.083 | 0.113  | 0.0   |
| 45 | 4915 | 4916 | SN | 1 | -34.996 | 17.721 | 0.0 | -34.934 | 18.506 | 0.0   | 2.072   | 22.805 | 0.099 | 2.766   | 23.47  | 0.332 | 0.083 | 217.894 | 1.689 | 0.083 | 214.863 | 1.642 | 0.083 | 0.119  | 0.0   | 0.083 | 0.113  | 0.0   |
| 46 | 4915 | 4916 | NS | 2 | -34.736 | 17.495 | 0.0 | -34.708 | 17.096 | 0.0   | -22.541 | 22.712 | 0.021 | -29.229 | 23.849 | 0.333 | 0.083 | 205.266 | 1.437 | 0.084 | 203.92  | 1.279 | 0.083 | 12.441 | 0.136 | 0.083 | 57.803 | 0.08  |
| 47 | 4916 | 4917 | SN | 2 | -34.758 | 18.094 | 0.0 | -34.489 | 18.332 | 0.0   | 1.963   | 22.761 | 0.217 | 3.506   | 23.048 | 1.37  | 0.083 | 206.276 | 1.695 | 0.083 | 193.915 | 1.712 | 0.083 | 0.12   | 0.0   | 0.083 | 0.108  | 0.0   |
| 48 | 4916 | 4917 | NS | 1 | -34.314 | 17.355 | 0.0 | -33.174 | 17.618 | 0.0   | -8.793  | 23.147 | 0.127 | -8.06   | 23.713 | 0.31  | 0.084 | 186.219 | 2.049 | 0.083 | 143.252 | 1.53  | 0.083 | 0.588  | 0.0   | 0.083 | 0.507  | 0.0   |
| 49 | 4916 | 4917 | NS | 1 | -34.314 | 17.355 | 0.0 | -33.174 | 17.618 | 0.0   | -8.793  | 23.147 | 0.127 | -8.06   | 23.713 | 0.309 | 0.084 | 186.219 | 2.049 | 0.083 | 143.252 | 1.53  | 0.083 | 0.588  | 0.0   | 0.083 | 0.507  | 0.0   |
| 50 | 4916 | 4917 | SN | 1 | -34.758 | 18.094 | 0.0 | -34.489 | 18.332 | 0.0   | 1.963   | 22.761 | 0.217 | 3.506   | 23.048 | 1.37  | 0.083 | 206.276 | 1.695 | 0.083 | 193.915 | 1.712 | 0.083 | 0.12   | 0.0   | 0.083 | 0.108  | 0.0   |
| 51 | 4917 | 4918 | NS | 1 | -34.748 | 17.958 | 0.0 | -34.731 | 18.629 | 0.0   | -16.232 | 22.565 | 0.045 | -27.841 | 23.566 | 0.34  | 0.083 | 205.85  | 2.315 | 0.083 | 205.059 | 1.854 | 0.083 | 2.96   | 0.006 | 0.083 | 42.005 | 0.014 |
| 52 | 4917 | 4918 | NS | 1 | -34.748 | 17.958 | 0.0 | -34.731 | 18.629 | 0.0   | -16.232 | 22.565 | 0.045 | -27.841 | 23.566 | 0.34  | 0.083 | 205.85  | 2.319 | 0.083 | 205.059 | 1.846 | 0.083 | 2.96   | 0.006 | 0.083 | 42.005 | 0.014 |
| 53 | 4917 | 4918 | SN | 1 | -34.898 | 17.639 | 0.0 | -34.898 | 19.366 | 0.0   | 0.574   | 22.853 | 0.035 | 3.64    | 24.002 | 0.516 | 0.083 | 213.1   | 2.706 | 0.083 | 213.106 | 2.388 | 0.083 | 0.135  | 0.0   | 0.083 | 0.107  | 0.0   |
| 54 | 4917 | 4918 | SN | 1 | -34.898 | 17.639 | 0.0 | -34.898 | 19.366 | 0.0   | 0.574   | 22.853 | 0.035 | 3.64    | 24.002 | 0.516 | 0.083 | 213.1   | 2.694 | 0.083 | 213.106 | 2.376 | 0.083 | 0.135  | 0.0   | 0.083 | 0.107  | 0.0   |
| 55 | 4917 | 4918 | SN | 2 | -34.898 | 17.639 | 0.0 | -34.898 | 19.366 | 0.0   | 0.574   | 22.853 | 0.035 | 3.64    | 24.002 | 0.516 | 0.083 | 213.1   | 2.694 | 0.083 | 213.106 | 2.376 | 0.083 | 0.135  | 0.0   | 0.083 | 0.107  | 0.0   |
| 56 | 4918 | 4919 | SN | 1 | -34.798 | 17.775 | 0.0 | -34.789 | 17.517 | 0.0   | -0.204  | 24.124 | 0.501 | 0.331   | 23.912 | 0.947 | 0.083 | 208.199 | 3.05  | 0.083 | 207.77  | 3.138 | 0.083 | 0.146  | 0.0   | 0.083 | 0.138  | 0.0   |
| 57 | 4918 | 4919 | SN | 2 | -34.798 | 17.775 | 0.0 | -34.789 | 17.517 | 0.0   | -0.204  | 24.124 | 0.501 | 0.331   | 23.912 | 0.947 | 0.083 | 208.199 | 3.05  | 0.083 | 207.77  | 3.138 | 0.083 | 0.146  | 0.0   | 0.083 | 0.138  | 0.0   |
| 58 | 4918 | 4919 | NS | 3 | -34.962 | 19.239 | 0.0 | -34.25  | 19.369 | 0.0   | -32.578 | 23.495 | 0.443 | -20.07  | 24.056 | 1.314 | 0.083 | 216.191 | 1.684 | 0.083 | 183.573 | 1.344 | 0.083 | 124.9  | 0.265 | 0.083 | 7.071  | 0.095 |
| 59 | 4918 | 4919 | NS | 2 | -34.181 | 19.239 | 0.0 | -34.218 | 19.369 | 0.0   | -32.547 | 23.493 | 0.443 | -20.063 | 24.056 | 1.314 | 0.083 | 180.607 | 1.681 | 0.083 | 182.199 | 1.347 | 0.083 | 124.0  | 0.265 | 0.083 | 7.06   | 0.091 |
| 60 | 4918 | 4919 | SN | 1 | -34.844 | 17.778 | 0.0 | -34.854 | 18.755 | 0.0   | -0.204  | 24.123 | 0.465 | 0.331   | 23.912 | 0.941 | 0.083 | 210.479 | 3.091 | 0.083 | 210.857 | 2.959 | 0.083 | 0.146  | 0.0   | 0.083 | 0.138  | 0.0   |
| 61 | 4919 | 4920 | SN | 1 | -34.221 | 18.651 | 0.0 | -33.69  | 19.177 | 0.0   | -18.127 | 23.863 | 1.003 | -11.605 | 25.711 | 2.099 | 0.083 | 182.332 | 3.044 | 0.083 | 161.323 | 2.345 | 0.083 | 4.545  | 0.001 | 0.083 | 1.063  | 0.002 |
| 62 | 4919 | 4920 | SN | 1 | -33.684 | 16.566 | 0.0 | -32.861 | 19.177 | 0.0   | 5.345   | 15.704 | 0.0   | 6.027   | 21.767 | 0.0   | 0.084 | 161.121 | 3.595 | 0.083 | 133.311 | 1.569 | 0.084 | 0.099  | 0.0   | 0.083 | 0.096  | 0.0   |
| 63 | 4919 | 4920 | NS | 1 | -34.057 | 19.239 | 0.0 | -34.679 | 19.717 | 0.0   | 2.8     | 22.93  | 0.16  | 2.926   | 24.429 | 1.227 | 0.083 | 175.57  | 2.755 | 0.083 | 202.593 | 2.3   | 0.083 | 0.113  | 0.0   | 0.083 | 0.112  | 0.0   |
| 64 | 4920 | 4921 | NS | 1 | -34.973 | 18.195 | 0.0 | -34.632 | 19.219 | 0.0   | -1.237  | 22.877 | 0.022 | -1.782  | 24.72  | 1.783 | 0.083 | 216.763 | 2.976 | 0.083 | 200.415 | 2.762 | 0.083 | 0.164  | 0.0   | 0.083 | 0.176  | 0.0   |
| 65 | 4920 | 4921 | SN | 1 | -34.626 | 19.005 | 0.0 | -34.065 | 19.802 | 0.0   | -31.477 | 23.445 | 0.418 | -14.588 | 24.78  | 1.217 | 0.083 | 200.127 | 1.642 | 0.083 | 175.842 | 1.65  | 0.083 | 96.928 | 0.062 | 0.083 | 2.048  | 0.002 |
| 66 | 4920 | 4921 | NS | 2 | -34.861 | 18.196 | 0.0 | -34.75  | 19.216 | 0.0   | -1.234  | 22.876 | 0.022 | -1.766  | 24.718 | 1.783 | 0.083 | 211.297 | 2.973 | 0.083 | 205.931 | 2.762 | 0.083 | 0.164  | 0.0   | 0.083 | 0.175  | 0.0   |
| 67 | 4921 | 4922 | NS | 1 | -34.499 | 18.518 | 0.0 | -34.967 | 18.971 | 0.0   | -13.149 | 22.081 | 0.003 | -23.571 | 24.839 | 3.325 | 0.083 | 194.394 | 2.258 | 0.083 | 216.426 | 2.16  | 0.083 | 1.489  | 0.003 | 0.083 | 15.754 | 0.005 |
| 68 | 4921 | 4922 | SN | 1 | -34.034 | 21.278 | 0.0 | -34.895 | 22.087 | 0.001 | -5.106  | 23.57  | 0.418 | -6.957  | 23.914 | 0.392 | 0.083 | 174.638 | 0.763 | 0.083 | 212.944 | 0.656 | 0.083 | 0.292  | 0.0   | 0.083 | 0.409  | 0.0   |
| 69 | 4922 | 4923 | SN | 1 | -34.558 | 20.464 | 0.0 | -34.905 | 22.508 | 0.003 | -28.505 | 23.578 | 0.372 | -18.986 | 24.296 | 0.253 | 0.083 | 197.034 | 1.714 | 0.083 | 213.417 | 1.519 | 0.083 | 48.927 | 0.131 | 0.083 | 5.524  | 0.015 |

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

■ Normal      ■ Deviations  
■ Alarming      ■ High Errors

|    |      |      |    |   |         |        |     |         |        |     |         |        |       |         |        |       |       |         |       |       |         |       |       |        |       |       |        |       |
|----|------|------|----|---|---------|--------|-----|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 70 | 4922 | 4923 | NS | 1 | -33.828 | 19.081 | 0.0 | -32.037 | 19.712 | 0.0 | -3.473  | 22.803 | 0.046 | 1.345   | 24.938 | 3.028 | 0.083 | 166.566 | 0.803 | 0.083 | 110.288 | 0.943 | 0.083 | 0.223  | 0.0   | 0.083 | 0.126  | 0.0   |
| 71 | 4923 | 4924 | NS | 1 | -34.936 | 18.837 | 0.0 | -33.915 | 19.276 | 0.0 | -6.844  | 22.874 | 0.346 | -5.943  | 24.619 | 3.932 | 0.083 | 214.902 | 1.282 | 0.083 | 169.907 | 1.103 | 0.083 | 0.4    | 0.0   | 0.083 | 0.339  | 0.0   |
| 72 | 4923 | 4924 | NS | 1 | -34.936 | 18.837 | 0.0 | -33.915 | 19.276 | 0.0 | -6.844  | 22.874 | 0.347 | -5.943  | 24.619 | 3.99  | 0.083 | 214.902 | 1.282 | 0.083 | 169.907 | 1.103 | 0.083 | 0.4    | 0.0   | 0.083 | 0.339  | 0.0   |
| 73 | 4923 | 4924 | SN | 1 | -34.803 | 18.145 | 0.0 | -33.246 | 19.813 | 0.0 | -24.988 | 23.403 | 0.32  | -24.676 | 24.05  | 0.277 | 0.083 | 208.417 | 2.747 | 0.083 | 145.651 | 2.514 | 0.083 | 21.814 | 0.05  | 0.083 | 20.303 | 0.027 |
| 74 | 4924 | 4925 | NS | 1 | -34.167 | 18.801 | 0.0 | -34.721 | 18.538 | 0.0 | -13.534 | 22.344 | 0.012 | -5.847  | 24.629 | 4.081 | 0.083 | 180.076 | 1.673 | 0.083 | 204.544 | 1.416 | 0.083 | 1.621  | 0.006 | 0.083 | 0.333  | 0.0   |
| 75 | 4924 | 4925 | NS | 1 | -34.167 | 18.801 | 0.0 | -34.721 | 18.538 | 0.0 | -13.534 | 22.344 | 0.012 | -5.847  | 24.629 | 4.058 | 0.083 | 180.076 | 1.673 | 0.083 | 204.544 | 1.416 | 0.083 | 1.621  | 0.006 | 0.083 | 0.333  | 0.0   |
| 76 | 4924 | 4925 | SN | 1 | -34.967 | 17.894 | 0.0 | -34.623 | 19.964 | 0.0 | -25.963 | 23.59  | 0.49  | -22.154 | 24.107 | 0.527 | 0.083 | 216.441 | 3.148 | 0.083 | 199.995 | 3.084 | 0.083 | 27.28  | 0.074 | 0.083 | 11.388 | 0.041 |
| 77 | 4925 | 4926 | NS | 1 | -34.716 | 18.776 | 0.0 | -34.79  | 20.088 | 0.0 | 3.054   | 22.591 | 0.143 | 2.882   | 24.52  | 4.474 | 0.083 | 204.331 | 2.172 | 0.083 | 207.801 | 1.777 | 0.083 | 0.111  | 0.0   | 0.083 | 0.112  | 0.0   |

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