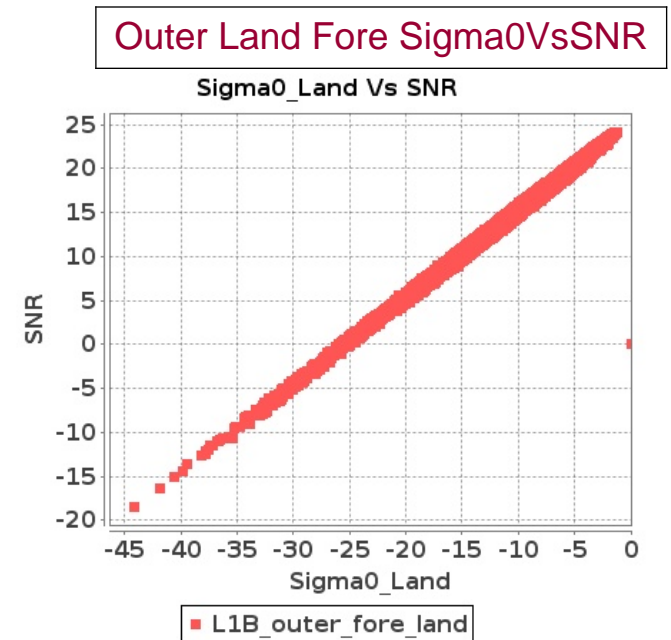
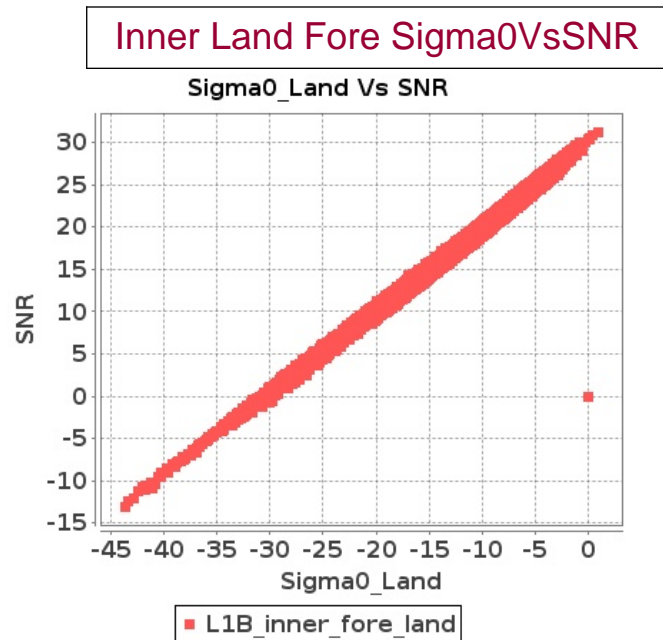
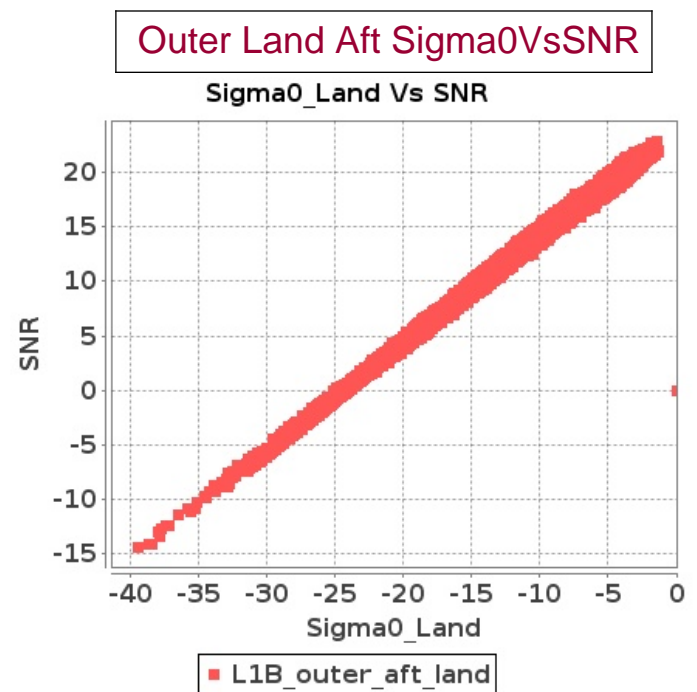
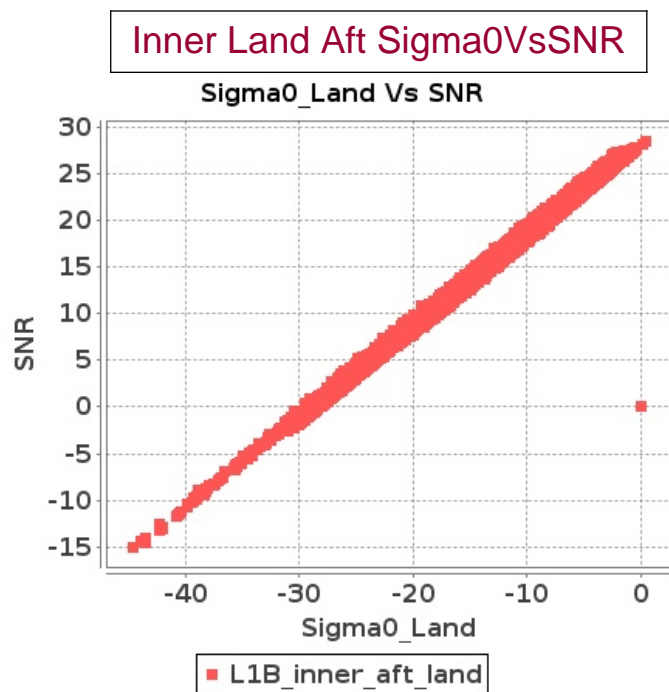
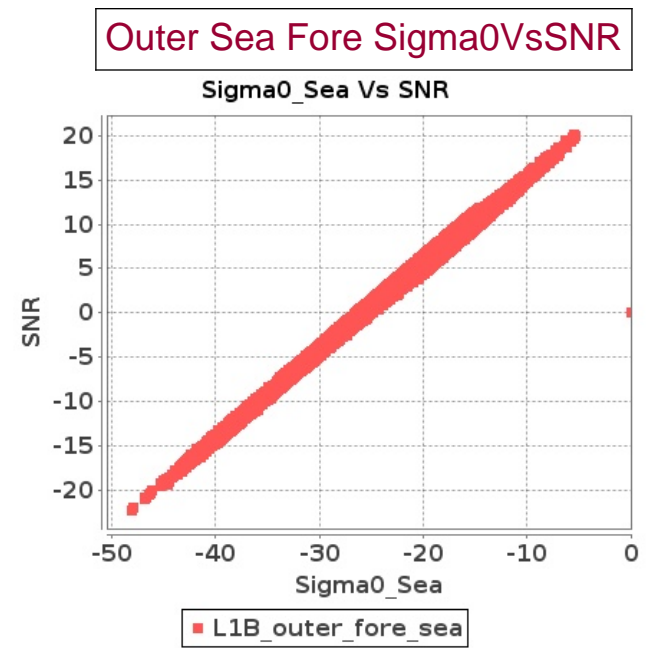
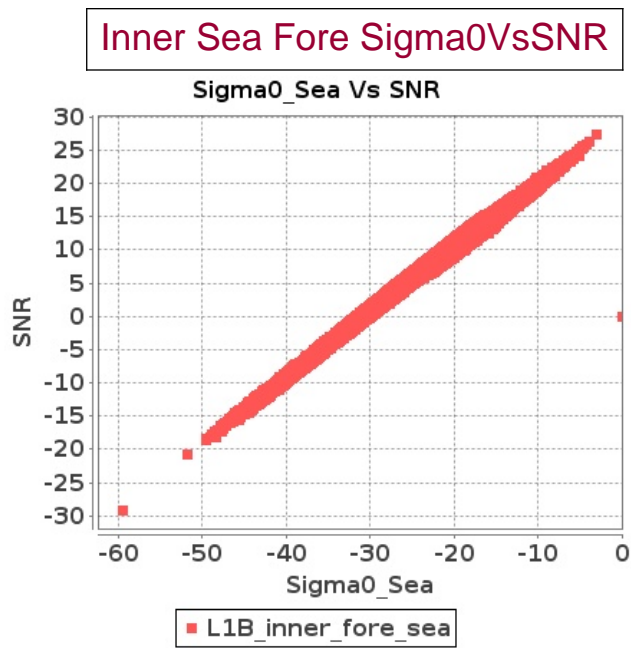
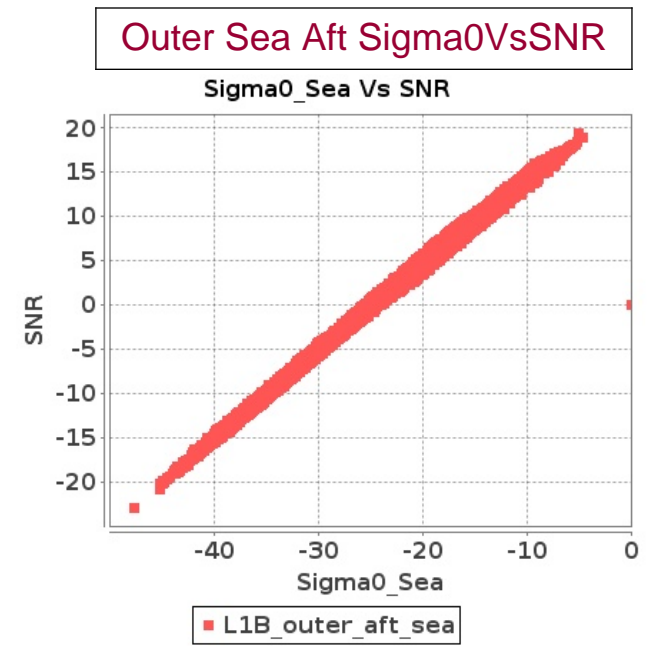
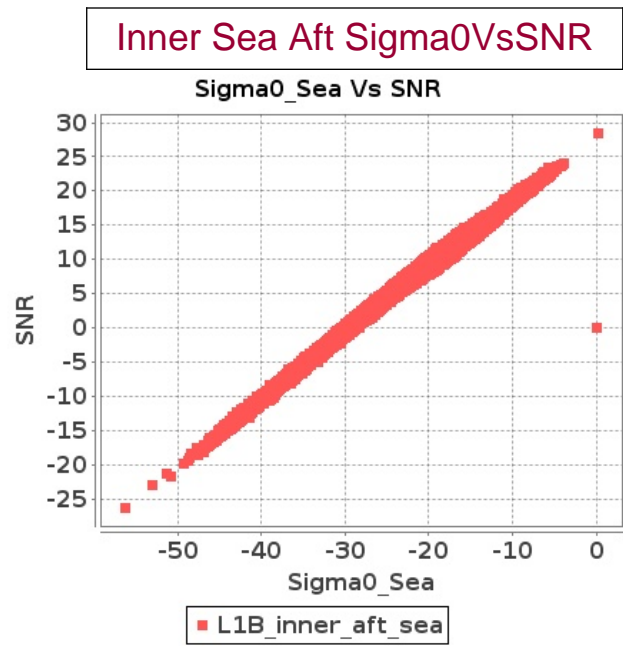
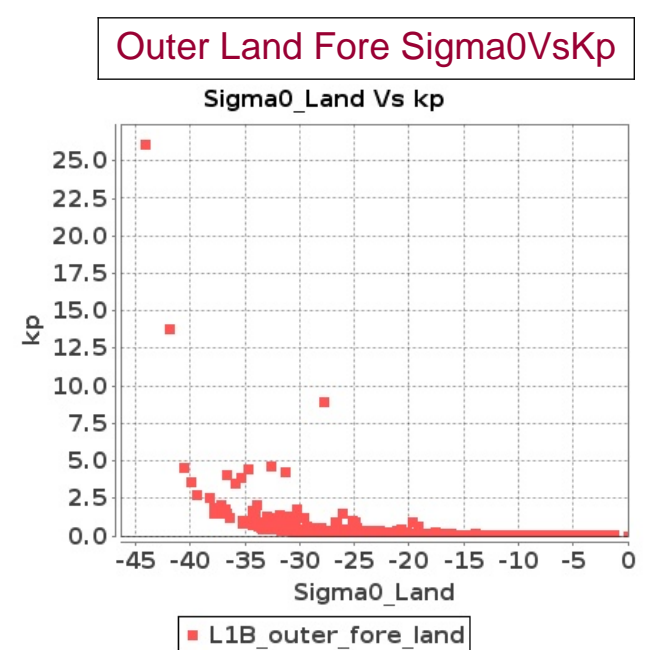
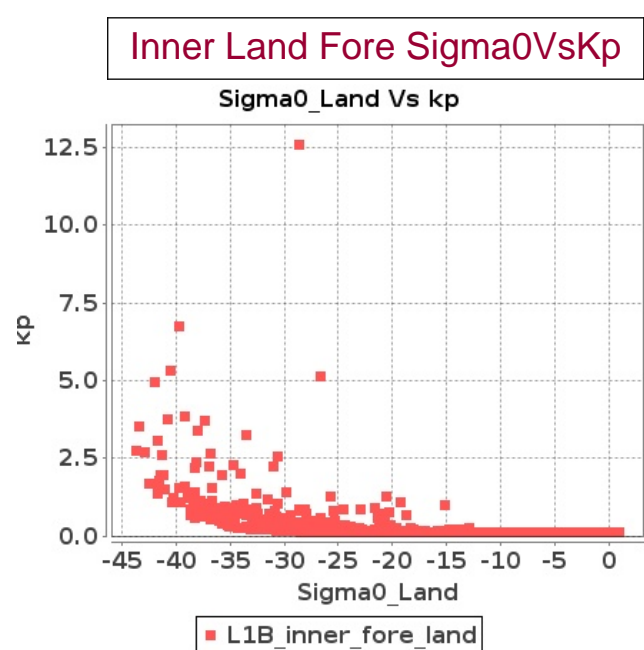
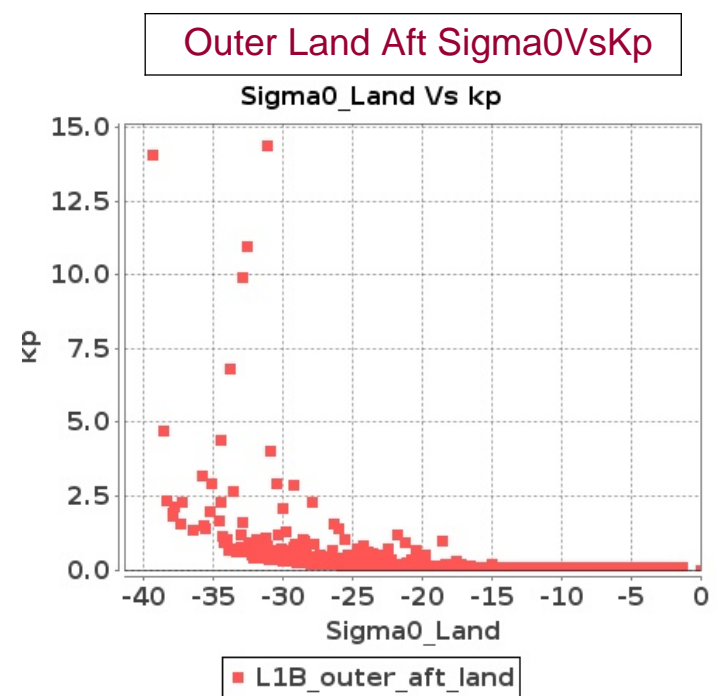
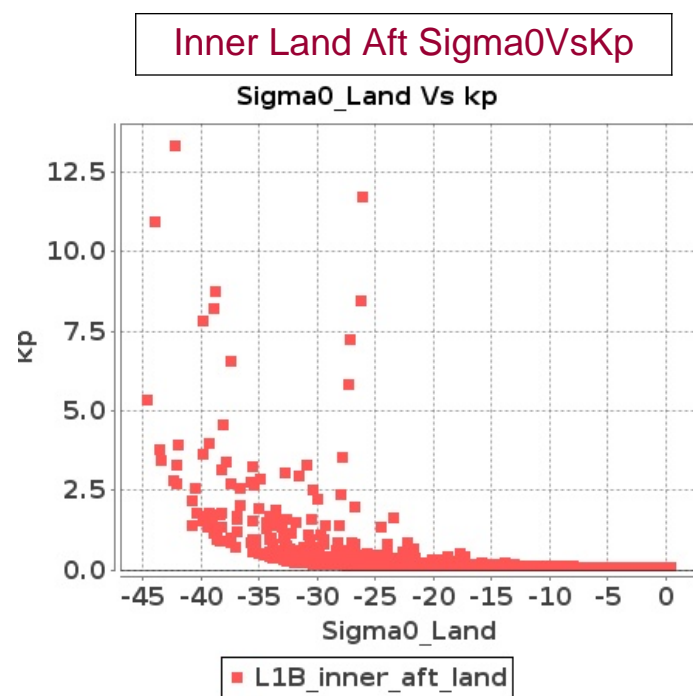
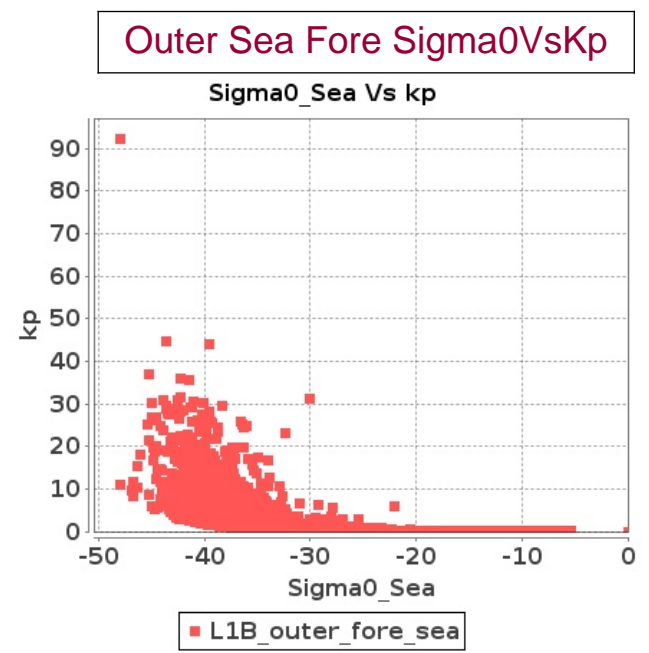
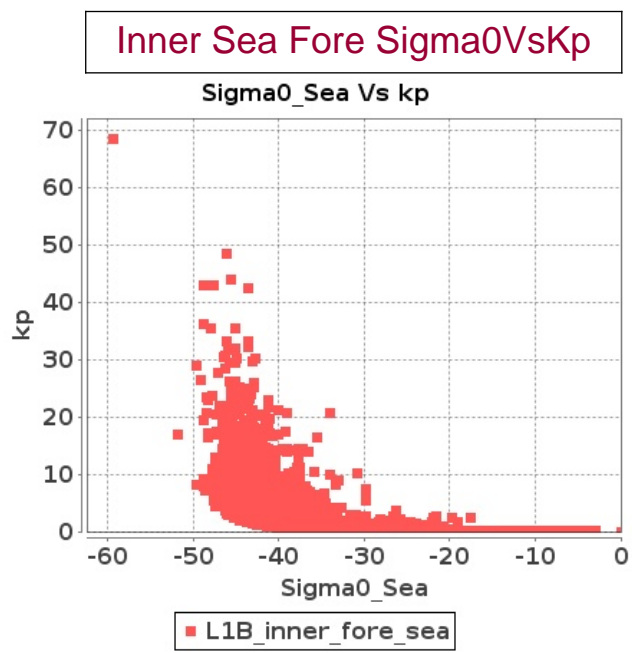
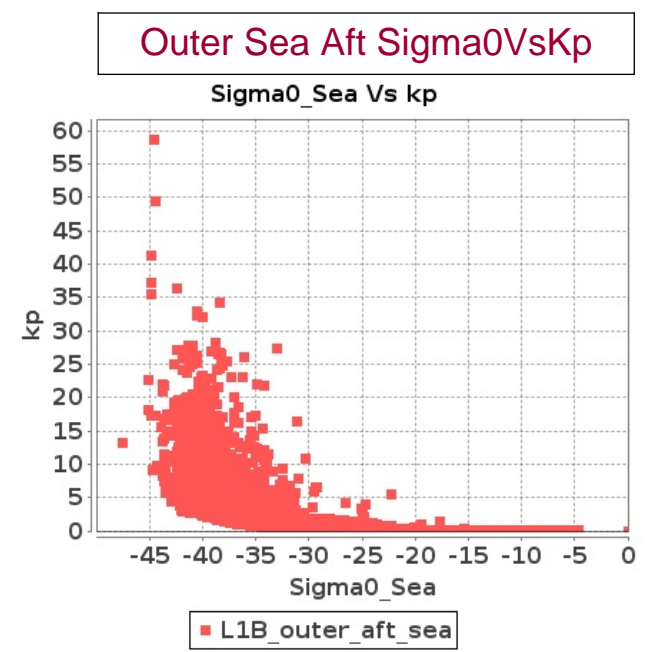
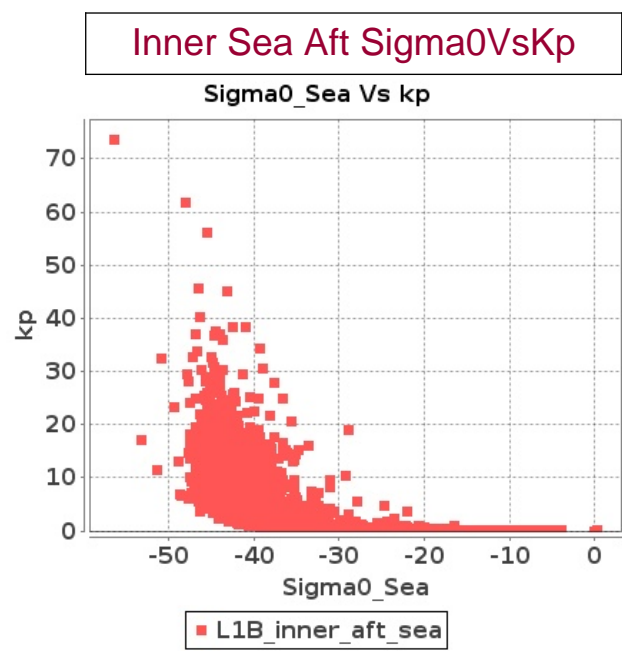


# SCATSAT-1 Scatterometer Level-1B Data Quality Cycle wise Report

Report between 23-JUN-2017 To 24-JUN-2017





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

Report between 23-JUN-2017 To 24-JUN-2017

|       |             |           |      |      | Inner           |        |           |               |       |           |          |          |           |          |         |           |
|-------|-------------|-----------|------|------|-----------------|--------|-----------|---------------|-------|-----------|----------|----------|-----------|----------|---------|-----------|
|       |             |           |      |      | Incidence Angle |        |           | Azimuth Angle |       |           | Range    |          |           | X-Factor |         |           |
| Sr No | Start Orbit | End Orbit | Dir. | Ver. | Min             | Max    | BadOcc(%) | Min           | Max   | BadOcc(%) | Min      | Max      | BadOcc(%) | Min      | Max     | BadOcc(%) |
| 1     | 3912        | 3913      | NS   | 1    | 48.71           | 49.415 | 0.0       | 0.003         | 1.814 | 0.2       | 1028.784 | 1094.376 | 0.0       | -92.275  | -89.143 | 0.0       |
| 2     | 3912        | 3913      | SN   | 1    | 48.818          | 49.479 | 0.0       | 0.003         | 1.814 | 0.153     | 1042.712 | 1095.272 | 0.0       | -92.028  | -89.429 | 0.0       |
| 3     | 3912        | 3913      | SN   | 1    | 48.818          | 49.479 | 0.0       | 0.003         | 1.814 | 0.151     | 1042.712 | 1095.272 | 0.0       | -92.028  | -89.429 | 0.0       |
| 4     | 3912        | 3913      | SN   | 1    | 48.818          | 49.479 | 0.0       | 0.003         | 6.943 | 0.161     | 1042.712 | 1095.272 | 0.0       | -92.028  | -89.429 | 0.0       |
| 5     | 3912        | 3913      | NS   | 1    | 48.71           | 49.415 | 0.0       | 0.003         | 1.814 | 0.2       | 1028.784 | 1094.376 | 0.0       | -92.275  | -89.143 | 0.0       |
| 6     | 3913        | 3914      | SN   | 1    | 48.816          | 49.48  | 0.0       | 0.003         | 1.814 | 0.14      | 1042.76  | 1095.384 | 0.0       | -92.066  | -89.42  | 0.0       |
| 7     | 3913        | 3914      | NS   | 1    | 48.759          | 49.434 | 0.0       | 0.003         | 1.814 | 0.184     | 1029.592 | 1094.536 | 0.0       | -92.286  | -89.129 | 0.0       |
| 8     | 3913        | 3914      | SN   | 2    | 48.816          | 49.48  | 0.0       | 0.003         | 1.814 | 0.14      | 1042.76  | 1095.384 | 0.0       | -92.066  | -89.42  | 0.0       |
| 9     | 3913        | 3914      | NS   | 1    | 48.759          | 49.434 | 0.0       | 0.003         | 1.814 | 0.184     | 1029.592 | 1094.536 | 0.0       | -92.286  | -89.129 | 0.0       |
| 10    | 3914        | 3915      | SN   | 1    | 48.775          | 49.521 | 0.0       | 0.003         | 1.814 | 0.14      | 1041.744 | 1095.472 | 0.0       | -92.12   | -89.376 | 0.0       |
| 11    | 3914        | 3915      | SN   | 1    | 48.775          | 49.521 | 0.0       | 0.003         | 1.814 | 0.138     | 1041.744 | 1095.472 | 0.0       | -92.12   | -89.376 | 0.0       |
| 12    | 3914        | 3915      | NS   | 1    | 48.736          | 49.419 | 0.0       | 0.003         | 1.814 | 0.185     | 1029.792 | 1094.656 | 0.0       | -92.104  | -89.096 | 0.0       |
| 13    | 3914        | 3915      | NS   | 1    | 48.736          | 49.419 | 0.0       | 0.003         | 1.814 | 0.186     | 1029.792 | 1094.656 | 0.0       | -92.104  | -89.096 | 0.0       |
| 14    | 3914        | 3915      | SN   | 1    | 48.775          | 49.521 | 0.0       | 0.003         | 6.91  | 0.147     | 1041.744 | 1095.472 | 0.0       | -92.12   | -89.376 | 0.0       |
| 15    | 3915        | 3916      | NS   | 2    | 48.739          | 49.419 | 0.0       | 0.003         | 6.177 | 0.208     | 1029.384 | 1094.656 | 0.0       | -92.078  | -89.122 | 0.0       |
| 16    | 3915        | 3916      | SN   | 1    | 48.78           | 49.479 | 0.0       | 0.003         | 1.814 | 0.139     | 1041.648 | 1095.432 | 0.0       | -91.985  | -89.354 | 0.0       |
| 17    | 3915        | 3916      | SN   | 1    | 48.78           | 49.479 | 0.0       | 0.003         | 1.814 | 0.139     | 1041.648 | 1095.432 | 0.0       | -91.985  | -89.354 | 0.0       |
| 18    | 3915        | 3916      | NS   | 2    | 48.739          | 49.419 | 0.0       | 0.003         | 6.177 | 0.207     | 1029.384 | 1094.656 | 0.0       | -92.078  | -89.122 | 0.0       |
| 19    | 3917        | 3918      | NS   | 1    | 48.714          | 49.418 | 0.0       | 0.003         | 1.814 | 0.192     | 1029.976 | 1094.552 | 0.0       | -92.021  | -89.142 | 0.0       |
| 20    | 3917        | 3918      | SN   | 1    | 48.772          | 49.478 | 0.0       | 0.003         | 1.814 | 0.145     | 1041.648 | 1095.288 | 0.0       | -92.058  | -89.367 | 0.0       |
| 21    | 3917        | 3918      | SN   | 1    | 48.772          | 49.478 | 0.0       | 0.003         | 1.814 | 0.146     | 1041.648 | 1095.288 | 0.0       | -92.058  | -89.367 | 0.0       |
| 22    | 3918        | 3919      | NS   | 1    | 48.732          | 49.418 | 0.0       | 0.003         | 1.814 | 0.19      | 1029.064 | 1094.536 | 0.0       | -92.088  | -89.153 | 0.0       |
| 23    | 3918        | 3919      | SN   | 1    | 48.782          | 49.478 | 0.0       | 0.003         | 1.814 | 0.145     | 1041.608 | 1095.288 | 0.0       | -91.813  | -89.352 | 0.0       |
| 24    | 3918        | 3919      | SN   | 1    | 48.782          | 49.478 | 0.0       | 0.003         | 1.814 | 0.153     | 1041.608 | 1095.288 | 0.0       | -91.813  | -89.352 | 0.0       |
| 25    | 3919        | 3920      | NS   | 1    | 48.718          | 49.419 | 0.0       | 0.003         | 1.814 | 0.191     | 1029.584 | 1094.792 | 0.0       | -92.264  | -89.108 | 0.0       |
| 26    | 3919        | 3920      | SN   | 1    | 48.815          | 49.48  | 0.0       | 0.003         | 1.82  | 0.142     | 1042.336 | 1095.512 | 0.0       | -92.349  | -89.365 | 0.0       |
| 27    | 3919        | 3920      | SN   | 1    | 48.815          | 49.48  | 0.0       | 0.003         | 1.82  | 0.152     | 1042.336 | 1095.512 | 0.0       | -92.349  | -89.365 | 0.0       |
| 28    | 3920        | 3921      | NS   | 1    | 48.715          | 49.45  | 0.0       | 0.003         | 1.814 | 0.199     | 1029.792 | 1094.784 | 0.0       | -92.346  | -89.096 | 0.0       |
| 29    | 3926        | 3927      | SN   | 1    | 48.779          | 49.48  | 0.0       | 0.003         | 2.449 | 0.158     | 1041.56  | 1095.752 | 0.054     | -91.803  | -89.353 | 0.0       |
| 30    | 3926        | 3927      | SN   | 1    | 48.779          | 49.48  | 0.0       | 0.003         | 2.449 | 0.158     | 1041.56  | 1095.752 | 0.054     | -91.803  | -89.353 | 0.0       |
| 31    | 3927        | 3928      | NS   | 2    | 48.741          | 49.42  | 0.0       | 0.003         | 1.814 | 0.191     | 1029.664 | 1094.856 | 0.0       | -92.128  | -89.146 | 0.0       |
| 32    | 3927        | 3928      | NS   | 1    | 48.741          | 49.42  | 0.0       | 0.003         | 1.814 | 0.191     | 1029.664 | 1094.856 | 0.0       | -92.128  | -89.146 | 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 | 3927 | 3928 | SN | 1 | 48.81  | 49.505 | 0.0 | 0.003 | 1.814  | 0.147 | 1041.688 | 1095.664 | 0.0   | -92.029 | -89.439 | 0.0 |
| 34 | 3927 | 3928 | SN | 1 | 48.81  | 49.505 | 0.0 | 0.003 | 1.814  | 0.147 | 1041.688 | 1095.664 | 0.0   | -92.029 | -89.439 | 0.0 |
| 35 | 3928 | 3929 | NS | 1 | 48.759 | 49.423 | 0.0 | 0.003 | 1.814  | 0.185 | 1029.984 | 1095.08  | 0.0   | -92.037 | -89.096 | 0.0 |
| 36 | 3928 | 3929 | SN | 1 | 48.806 | 49.509 | 0.0 | 0.003 | 1.814  | 0.142 | 1041.464 | 1095.816 | 0.218 | -91.975 | -89.413 | 0.0 |
| 37 | 3928 | 3929 | NS | 1 | 48.76  | 49.424 | 0.0 | 0.003 | 1.814  | 0.185 | 1029.64  | 1095.08  | 0.0   | -91.998 | -89.096 | 0.0 |
| 38 | 3928 | 3929 | SN | 2 | 48.798 | 49.509 | 0.0 | 0.003 | 6.861  | 0.151 | 1041.448 | 1095.816 | 0.203 | -91.963 | -89.413 | 0.0 |
| 39 | 3928 | 3929 | SN | 1 | 48.806 | 49.509 | 0.0 | 0.003 | 1.814  | 0.142 | 1041.464 | 1095.816 | 0.218 | -91.975 | -89.413 | 0.0 |
| 40 | 3929 | 3930 | SN | 1 | 48.764 | 49.521 | 0.0 | 0.003 | 1.814  | 0.143 | 1041.208 | 1095.84  | 0.289 | -92.072 | -89.363 | 0.0 |
| 41 | 3929 | 3930 | SN | 1 | 48.764 | 49.521 | 0.0 | 0.003 | 1.814  | 0.143 | 1041.208 | 1095.84  | 0.288 | -92.072 | -89.363 | 0.0 |
| 42 | 3929 | 3930 | NS | 1 | 48.759 | 49.463 | 0.0 | 0.003 | 6.138  | 0.198 | 1030.128 | 1095.152 | 0.0   | -91.889 | -88.702 | 0.0 |
| 43 | 3930 | 3931 | NS | 1 | 48.721 | 49.423 | 0.0 | 0.003 | 6.155  | 0.206 | 1030.24  | 1095.016 | 0.0   | -92.669 | -89.045 | 0.0 |
| 44 | 3930 | 3931 | SN | 1 | 48.771 | 49.479 | 0.0 | 0.003 | 1.814  | 0.145 | 1041.384 | 1095.688 | 0.0   | -91.816 | -89.438 | 0.0 |
| 45 | 3930 | 3931 | SN | 1 | 48.771 | 49.479 | 0.0 | 0.003 | 1.814  | 0.144 | 1041.384 | 1095.688 | 0.0   | -91.816 | -89.438 | 0.0 |
| 46 | 3931 | 3932 | SN | 1 | 48.785 | 49.479 | 0.0 | 0.003 | 1.814  | 0.143 | 1040.992 | 1095.672 | 0.0   | -91.93  | -89.441 | 0.0 |
| 47 | 3931 | 3932 | SN | 1 | 48.785 | 49.479 | 0.0 | 0.003 | 1.814  | 0.14  | 1040.992 | 1095.672 | 0.0   | -91.93  | -89.441 | 0.0 |
| 48 | 3931 | 3932 | NS | 1 | 48.715 | 49.423 | 0.0 | 0.003 | 1.814  | 0.196 | 1030.24  | 1095.016 | 0.0   | -91.912 | -89.138 | 0.0 |
| 49 | 3932 | 3933 | SN | 1 | 48.765 | 49.478 | 0.0 | 0.003 | 1.82   | 0.142 | 1041.0   | 1095.56  | 0.0   | -92.368 | -89.441 | 0.0 |
| 50 | 3932 | 3933 | NS | 1 | 48.723 | 49.422 | 0.0 | 0.003 | 1.814  | 0.193 | 1029.816 | 1094.904 | 0.0   | -92.122 | -89.113 | 0.0 |
| 51 | 3932 | 3933 | SN | 1 | 48.765 | 49.478 | 0.0 | 0.003 | 1.82   | 0.143 | 1041.0   | 1095.56  | 0.0   | -92.368 | -89.442 | 0.0 |
| 52 | 3933 | 3934 | SN | 1 | 48.813 | 49.479 | 0.0 | 0.003 | 1.82   | 0.145 | 1041.864 | 1095.696 | 0.0   | -91.952 | -89.371 | 0.0 |
| 53 | 3933 | 3934 | NS | 1 | 48.712 | 49.423 | 0.0 | 0.003 | 1.814  | 0.187 | 1030.08  | 1095.048 | 0.0   | -91.99  | -89.156 | 0.0 |
| 54 | 3933 | 3934 | SN | 1 | 48.813 | 49.479 | 0.0 | 0.003 | 1.82   | 0.154 | 1041.864 | 1095.696 | 0.0   | -91.952 | -89.371 | 0.0 |
| 55 | 3934 | 3935 | SN | 1 | 48.812 | 49.48  | 0.0 | 0.003 | 337.91 | 0.142 | 1041.976 | 1095.76  | 0.094 | -91.782 | -89.286 | 0.0 |
| 56 | 3934 | 3935 | NS | 1 | 48.716 | 49.45  | 0.0 | 0.003 | 1.814  | 0.194 | 1029.52  | 1095.056 | 0.0   | -92.184 | -89.146 | 0.0 |
| 57 | 3935 | 3936 | NS | 1 | 48.753 | 49.424 | 0.0 | 0.003 | 1.814  | 0.199 | 1030.192 | 1095.088 | 0.0   | -92.146 | -89.151 | 0.0 |
| 58 | 3935 | 3936 | SN | 1 | 48.811 | 49.48  | 0.0 | 0.003 | 1.82   | 0.138 | 1042.04  | 1095.872 | 0.298 | -92.034 | -89.377 | 0.0 |
| 59 | 3936 | 3937 | NS | 1 | 48.76  | 49.439 | 0.0 | 0.003 | 1.814  | 0.195 | 1030.216 | 1094.992 | 0.0   | -92.205 | -89.131 | 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     | 3912        | 3913      | NS   | 1       | -34.844 | 27.823 | 0.121      | -34.745 | 28.542 | 0.171      | -1.714  | 29.257 | 11.644     | 2.124   | 31.613 | 24.91      | 0.103 | 257.734 | 5.077      | 0.103 | 251.883 | 4.164      | 0.103 | 0.215  | 0.0        | 0.102 | 0.147  | 0.0        |
| 2     | 3912        | 3913      | SN   | 1       | -34.264 | 25.261 | 0.297      | -33.935 | 26.401 | 0.942      | -24.51  | 30.762 | 7.026      | -29.486 | 33.027 | 16.113     | 0.103 | 225.542 | 1.602      | 0.103 | 209.037 | 1.185      | 0.103 | 23.933 | 0.048      | 0.102 | 75.086 | 0.069      |
| 3     | 3912        | 3913      | SN   | 1       | -34.264 | 25.261 | 0.276      | -33.935 | 26.401 | 0.873      | -24.51  | 30.762 | 6.989      | -29.486 | 33.027 | 15.68      | 0.103 | 225.542 | 1.502      | 0.103 | 209.037 | 1.102      | 0.103 | 23.933 | 0.049      | 0.102 | 75.086 | 0.07       |
| 4     | 3912        | 3913      | SN   | 1       | -34.264 | 25.261 | 0.276      | -33.935 | 26.401 | 0.873      | -24.51  | 30.762 | 7.016      | -29.486 | 33.027 | 16.09      | 0.103 | 225.542 | 1.502      | 0.103 | 209.037 | 1.102      | 0.103 | 23.933 | 0.048      | 0.102 | 75.086 | 0.073      |
| 5     | 3912        | 3913      | NS   | 1       | -34.844 | 27.823 | 0.121      | -34.745 | 28.542 | 0.171      | -1.714  | 29.257 | 11.644     | 2.124   | 31.613 | 24.91      | 0.103 | 257.734 | 5.085      | 0.103 | 251.883 | 4.171      | 0.103 | 0.215  | 0.0        | 0.102 | 0.147  | 0.0        |
| 6     | 3913        | 3914      | SN   | 1       | -34.467 | 25.247 | 0.168      | -34.991 | 27.348 | 0.341      | -24.158 | 28.646 | 7.644      | -16.811 | 31.848 | 5.831      | 0.103 | 236.238 | 6.252      | 0.103 | 266.6   | 5.101      | 0.103 | 22.076 | 0.011      | 0.102 | 4.133  | 0.009      |
| 7     | 3913        | 3914      | NS   | 1       | -34.468 | 27.062 | 0.021      | -34.428 | 29.106 | 0.025      | -19.002 | 36.383 | 7.468      | -19.006 | 34.696 | 28.233     | 0.103 | 236.331 | 2.222      | 0.103 | 234.195 | 1.836      | 0.102 | 6.79   | 0.008      | 0.102 | 6.796  | 0.006      |
| 8     | 3913        | 3914      | SN   | 2       | -34.467 | 25.247 | 0.168      | -34.991 | 27.348 | 0.341      | -24.158 | 28.646 | 7.664      | -16.811 | 31.848 | 5.848      | 0.103 | 236.238 | 6.252      | 0.103 | 266.6   | 5.101      | 0.103 | 22.076 | 0.011      | 0.102 | 4.133  | 0.009      |
| 9     | 3913        | 3914      | NS   | 1       | -34.468 | 27.062 | 0.021      | -34.428 | 29.106 | 0.025      | -19.002 | 36.383 | 7.468      | -19.006 | 34.696 | 28.235     | 0.103 | 236.331 | 2.218      | 0.103 | 234.195 | 1.835      | 0.102 | 6.79   | 0.008      | 0.102 | 6.796  | 0.006      |
| 10    | 3914        | 3915      | SN   | 1       | -34.911 | 23.284 | 0.05       | -34.881 | 24.879 | 0.13       | 7.248   | 28.335 | 9.902      | 8.336   | 28.945 | 5.804      | 0.103 | 261.668 | 8.067      | 0.103 | 259.914 | 6.573      | 0.103 | 0.115  | 0.0        | 0.103 | 0.112  | 0.0        |
| 11    | 3914        | 3915      | SN   | 1       | -34.911 | 23.284 | 0.049      | -34.881 | 24.879 | 0.127      | 7.248   | 28.335 | 8.268      | 8.336   | 28.945 | 4.758      | 0.103 | 261.668 | 7.837      | 0.103 | 259.914 | 6.434      | 0.103 | 0.115  | 0.0        | 0.103 | 0.112  | 0.0        |
| 12    | 3914        | 3915      | NS   | 1       | -34.993 | 22.237 | 0.001      | -34.909 | 22.798 | 0.001      | -29.982 | 28.167 | 5.552      | -19.407 | 31.867 | 17.876     | 0.103 | 266.696 | 4.177      | 0.103 | 261.636 | 3.355      | 0.103 | 84.181 | 0.003      | 0.102 | 7.446  | 0.002      |
| 13    | 3914        | 3915      | NS   | 1       | -34.993 | 22.237 | 0.001      | -34.909 | 22.798 | 0.001      | -29.982 | 28.167 | 5.552      | -19.407 | 31.867 | 17.876     | 0.103 | 266.696 | 4.22       | 0.103 | 261.636 | 3.356      | 0.103 | 84.181 | 0.003      | 0.102 | 7.446  | 0.002      |
| 14    | 3914        | 3915      | SN   | 1       | -34.911 | 23.284 | 0.048      | -34.881 | 24.879 | 0.127      | 7.248   | 28.335 | 9.902      | 8.336   | 28.945 | 5.722      | 0.103 | 261.668 | 7.856      | 0.103 | 259.914 | 6.425      | 0.103 | 0.115  | 0.0        | 0.103 | 0.112  | 0.0        |
| 15    | 3915        | 3916      | NS   | 2       | -33.87  | 21.242 | 0.0        | -34.122 | 23.417 | 0.003      | -13.46  | 28.16  | 6.333      | -8.064  | 30.691 | 16.435     | 0.103 | 205.907 | 2.157      | 0.103 | 218.235 | 1.575      | 0.103 | 1.954  | 0.002      | 0.103 | 0.624  | 0.0        |
| 16    | 3915        | 3916      | SN   | 1       | -34.847 | 23.216 | 0.013      | -34.631 | 25.161 | 0.104      | 6.703   | 26.655 | 9.419      | 7.531   | 28.541 | 6.459      | 0.103 | 257.875 | 3.915      | 0.103 | 245.349 | 2.827      | 0.103 | 0.117  | 0.0        | 0.103 | 0.114  | 0.0        |
| 17    | 3915        | 3916      | SN   | 1       | -34.847 | 23.216 | 0.013      | -34.631 | 25.161 | 0.104      | 6.703   | 26.655 | 9.376      | 7.531   | 28.541 | 6.445      | 0.103 | 257.875 | 3.915      | 0.103 | 245.349 | 2.826      | 0.103 | 0.117  | 0.0        | 0.103 | 0.114  | 0.0        |
| 18    | 3915        | 3916      | NS   | 2       | -33.87  | 21.242 | 0.0        | -34.122 | 23.417 | 0.003      | -13.46  | 28.16  | 6.25       | -8.064  | 30.691 | 16.33      | 0.103 | 205.907 | 2.158      | 0.103 | 218.235 | 1.576      | 0.103 | 1.954  | 0.002      | 0.103 | 0.624  | 0.0        |
| 19    | 3917        | 3918      | NS   | 1       | -33.916 | 22.696 | 0.001      | -34.241 | 22.467 | 0.002      | -13.66  | 28.723 | 4.173      | -19.617 | 28.923 | 12.063     | 0.103 | 208.175 | 2.953      | 0.103 | 224.316 | 2.51       | 0.103 | 2.042  | 0.011      | 0.103 | 7.812  | 0.01       |
| 20    | 3917        | 3918      | SN   | 1       | -34.979 | 23.722 | 0.002      | -34.476 | 24.53  | 0.002      | 5.819   | 26.861 | 13.02      | 8.178   | 29.307 | 14.324     | 0.103 | 265.843 | 4.465      | 0.103 | 241.374 | 3.991      | 0.103 | 0.121  | 0.0        | 0.103 | 0.113  | 0.0        |
| 21    | 3917        | 3918      | SN   | 1       | -34.979 | 23.722 | 0.002      | -34.476 | 24.53  | 0.002      | 5.819   | 26.861 | 13.252     | 8.178   | 28.83  | 11.21      | 0.103 | 265.843 | 4.431      | 0.103 | 241.374 | 3.977      | 0.103 | 0.121  | 0.0        | 0.103 | 0.113  | 0.0        |
| 22    | 3918        | 3919      | NS   | 1       | -34.956 | 25.356 | 0.111      | -34.665 | 27.409 | 0.426      | 1.965   | 28.361 | 11.867     | 1.538   | 29.984 | 21.521     | 0.103 | 264.431 | 3.889      | 0.103 | 247.301 | 3.209      | 0.103 | 0.148  | 0.0        | 0.103 | 0.153  | 0.0        |
| 23    | 3918        | 3919      | SN   | 1       | -34.818 | 23.434 | 0.036      | -34.98  | 24.383 | 0.047      | -5.159  | 27.497 | 8.593      | 0.307   | 33.596 | 11.082     | 0.103 | 256.165 | 6.373      | 0.103 | 265.897 | 5.927      | 0.103 | 0.363  | 0.0        | 0.102 | 0.171  | 0.0        |
| 24    | 3918        | 3919      | SN   | 1       | -34.818 | 23.434 | 0.038      | -34.98  | 24.383 | 0.051      | -5.159  | 27.497 | 8.875      | 0.307   | 33.596 | 12.101     | 0.103 | 256.165 | 6.756      | 0.103 | 265.897 | 6.183      | 0.103 | 0.363  | 0.0        | 0.102 | 0.171  | 0.0        |
| 25    | 3919        | 3920      | NS   | 1       | -34.881 | 25.196 | 0.453      | -34.959 | 26.875 | 0.665      | -8.849  | 28.453 | 9.78       | -6.324  | 30.0   | 23.656     | 0.103 | 259.944 | 5.866      | 0.103 | 264.594 | 3.732      | 0.103 | 0.731  | 0.0        | 0.103 | 0.447  | 0.0        |
| 26    | 3919        | 3920      | SN   | 1       | -34.232 | 26.389 | 0.034      | -34.629 | 26.163 | 0.094      | -25.596 | 33.629 | 11.588     | -15.511 | 34.282 | 19.019     | 0.103 | 223.829 | 3.966      | 0.103 | 245.245 | 3.63       | 0.102 | 30.714 | 0.004      | 0.102 | 3.085  | 0.005      |
| 27    | 3919        | 3920      | SN   | 1       | -34.232 | 26.389 | 0.037      | -34.629 | 26.163 | 0.11       | -25.596 | 33.629 | 12.088     | -15.511 | 34.282 | 19.713     | 0.103 | 223.829 | 4.134      | 0.103 | 245.245 | 3.832      | 0.102 | 30.714 | 0.004      | 0.102 | 3.085  | 0.005      |
| 28    | 3920        | 3921      | NS   | 1       | -34.909 | 23.078 | 0.016      | -34.985 | 24.574 | 0.138      | 6.1     | 28.131 | 17.859     | 7.181   | 30.792 | 45.117     | 0.103 | 261.564 | 5.542      | 0.103 | 266.216 | 5.026      | 0.103 | 0.119  | 0.0        | 0.103 | 0.116  | 0.0        |
| 29    | 3926        | 3927      | SN   | 1       | -34.611 | 23.052 | 0.029      | -34.987 | 23.824 | 0.108      | 0.97    | 29.676 | 8.487      | 3.744   | 28.819 | 16.123     | 0.103 | 244.226 | 2.662      | 0.103 | 266.322 | 2.362      | 0.103 | 0.161  | 0.0        | 0.103 | 0.132  | 0.0        |
| 30    | 3926        | 3927      | SN   | 1       | -34.611 | 23.052 | 0.029      | -34.987 | 23.824 | 0.108      | 0.97    | 29.676 | 8.483      | 3.744   | 28.819 | 16.142     | 0.103 | 244.226 | 2.662      | 0.103 | 266.322 | 2.36       | 0.103 | 0.161  | 0.0        | 0.103 | 0.132  | 0.0        |
| 31    | 3927        | 3928      | NS   | 2       | -34.878 | 27.354 | 0.024      | -33.864 | 28.677 | 0.049      | 5.327   | 33.188 | 10.056     | 2.952   | 34.231 | 29.755     | 0.103 | 259.753 | 1.465      | 0.103 | 205.63  | 1.165      | 0.102 | 0.123  | 0.0        | 0.102 | 0.138  | 0.0        |
| 32    | 3927        | 3928      | NS   | 1       | -34.878 | 27.354 | 0.024      | -33.864 | 28.677 | 0.049      | 5.327   | 33.188 | 10.056     | 2.952   | 34.231 | 29.716     | 0.103 | 259.753 | 1.463      | 0.103 | 205.63  | 1.165      | 0.102 | 0.123  | 0.0        | 0.102 | 0.138  | 0.0        |
| 33    | 3927        | 3928      | SN   | 1       | -34.648 | 24.851 | 0.142      | -34.734 | 26.822 | 0.502      | -29.241 | 30.756 | 9.292      | -24.532 | 32.937 | 14.43      | 0.103 | 246.309 | 6.966      | 0.103 | 251.252 | 6.209      | 0.103 | 73.9   | 0.129      | 0.102 | 24.054 | 0.13       |

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

- Normal
- Deviations
- Alarming
- High Errors

|    |      |      |    |   |         |        |       |         |        |       |         |        |        |         |        |        |       |         |       |       |         |       |       |         |       |       |         |       |
|----|------|------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|
| 34 | 3927 | 3928 | SN | 1 | -34.648 | 24.851 | 0.142 | -34.734 | 26.822 | 0.502 | -29.241 | 30.756 | 9.311  | -24.532 | 32.937 | 14.455 | 0.103 | 246.309 | 6.966 | 0.103 | 251.252 | 6.21  | 0.103 | 73.9    | 0.129 | 0.102 | 24.054  | 0.13  |
| 35 | 3928 | 3929 | NS | 1 | -32.334 | 20.679 | 0.0   | -34.914 | 22.274 | 0.003 | -27.963 | 29.214 | 6.061  | -31.156 | 30.094 | 19.27  | 0.103 | 144.58  | 1.204 | 0.103 | 261.862 | 1.028 | 0.103 | 52.91   | 0.004 | 0.103 | 114.808 | 0.013 |
| 36 | 3928 | 3929 | SN | 1 | -34.756 | 23.611 | 0.009 | -34.717 | 25.397 | 0.044 | -23.854 | 28.541 | 7.174  | -23.542 | 29.74  | 4.781  | 0.103 | 252.541 | 3.565 | 0.103 | 250.309 | 2.408 | 0.103 | 20.593  | 0.045 | 0.103 | 19.172  | 0.043 |
| 37 | 3928 | 3929 | NS | 1 | -32.951 | 20.679 | 0.0   | -31.894 | 22.276 | 0.003 | -28.277 | 29.214 | 6.046  | -31.237 | 30.094 | 19.233 | 0.103 | 166.694 | 1.202 | 0.103 | 130.704 | 1.028 | 0.103 | 56.881  | 0.004 | 0.103 | 112.343 | 0.013 |
| 38 | 3928 | 3929 | SN | 2 | -34.926 | 23.612 | 0.009 | -34.979 | 25.397 | 0.044 | -23.827 | 28.541 | 8.361  | -23.505 | 29.738 | 6.099  | 0.103 | 262.616 | 3.563 | 0.103 | 265.82  | 2.396 | 0.103 | 20.459  | 0.044 | 0.103 | 19.007  | 0.042 |
| 39 | 3928 | 3929 | SN | 1 | -34.756 | 23.611 | 0.009 | -34.717 | 25.397 | 0.045 | -23.854 | 28.541 | 8.361  | -23.542 | 29.74  | 6.118  | 0.103 | 252.541 | 3.628 | 0.103 | 250.309 | 2.44  | 0.103 | 20.593  | 0.044 | 0.103 | 19.172  | 0.042 |
| 40 | 3929 | 3930 | SN | 1 | -34.871 | 23.918 | 0.02  | -34.693 | 24.895 | 0.116 | 7.432   | 27.973 | 10.399 | 8.504   | 28.501 | 6.23   | 0.103 | 259.239 | 2.533 | 0.103 | 248.878 | 1.757 | 0.103 | 0.115   | 0.0   | 0.103 | 0.112   | 0.0   |
| 41 | 3929 | 3930 | SN | 1 | -34.871 | 23.918 | 0.02  | -34.693 | 24.895 | 0.115 | 7.432   | 27.973 | 9.098  | 8.504   | 28.501 | 5.361  | 0.103 | 259.239 | 2.497 | 0.103 | 248.878 | 1.734 | 0.103 | 0.115   | 0.0   | 0.103 | 0.112   | 0.0   |
| 42 | 3929 | 3930 | NS | 1 | -34.02  | 22.828 | 0.001 | -34.335 | 22.059 | 0.001 | -3.697  | 27.619 | 6.087  | -4.291  | 29.472 | 16.778 | 0.103 | 213.162 | 1.321 | 0.103 | 229.251 | 1.022 | 0.103 | 0.285   | 0.0   | 0.103 | 0.313   | 0.0   |
| 43 | 3930 | 3931 | NS | 1 | -29.939 | 21.9   | 0.0   | -34.742 | 22.811 | 0.01  | -7.108  | 31.52  | 3.549  | -6.044  | 32.681 | 10.63  | 0.103 | 83.34   | 1.053 | 0.103 | 251.714 | 0.881 | 0.103 | 0.518   | 0.0   | 0.102 | 0.424   | 0.0   |
| 44 | 3930 | 3931 | SN | 1 | -34.677 | 23.414 | 0.022 | -34.971 | 25.178 | 0.11  | 6.75    | 27.178 | 15.014 | 7.851   | 28.827 | 17.146 | 0.103 | 248.014 | 2.027 | 0.103 | 265.393 | 1.797 | 0.103 | 0.117   | 0.0   | 0.103 | 0.114   | 0.0   |
| 45 | 3930 | 3931 | SN | 1 | -34.677 | 23.414 | 0.021 | -34.971 | 25.178 | 0.108 | 6.75    | 27.178 | 13.194 | 7.851   | 28.827 | 18.562 | 0.103 | 248.014 | 1.98  | 0.103 | 265.393 | 1.762 | 0.103 | 0.117   | 0.0   | 0.103 | 0.114   | 0.0   |
| 46 | 3931 | 3932 | SN | 1 | -34.798 | 21.81  | 0.0   | -34.161 | 25.037 | 0.003 | 5.853   | 27.057 | 14.451 | 8.588   | 29.041 | 17.632 | 0.103 | 254.95  | 1.455 | 0.103 | 220.15  | 1.204 | 0.103 | 0.12    | 0.0   | 0.103 | 0.112   | 0.0   |
| 47 | 3931 | 3932 | SN | 1 | -34.798 | 21.81  | 0.0   | -34.161 | 25.037 | 0.002 | 5.853   | 27.057 | 14.2   | 8.588   | 29.041 | 14.736 | 0.103 | 254.95  | 1.409 | 0.103 | 220.15  | 1.162 | 0.103 | 0.12    | 0.0   | 0.103 | 0.112   | 0.0   |
| 48 | 3931 | 3932 | NS | 1 | -34.532 | 19.816 | 0.0   | -33.418 | 22.158 | 0.001 | -22.218 | 27.333 | 4.515  | -18.404 | 29.076 | 15.209 | 0.103 | 239.832 | 3.218 | 0.103 | 185.624 | 2.511 | 0.103 | 14.151  | 0.024 | 0.103 | 5.929   | 0.005 |
| 49 | 3932 | 3933 | SN | 1 | -34.95  | 21.731 | 0.0   | -34.951 | 23.629 | 0.005 | 4.759   | 28.634 | 10.14  | 6.3     | 29.35  | 8.432  | 0.103 | 264.009 | 6.374 | 0.103 | 264.174 | 5.496 | 0.103 | 0.126   | 0.0   | 0.103 | 0.119   | 0.0   |
| 50 | 3932 | 3933 | NS | 1 | -34.608 | 24.106 | 0.121 | -34.009 | 24.304 | 0.21  | -5.598  | 27.743 | 6.003  | -3.607  | 29.808 | 15.768 | 0.103 | 244.027 | 1.444 | 0.103 | 212.65  | 1.217 | 0.103 | 0.392   | 0.0   | 0.103 | 0.281   | 0.0   |
| 51 | 3932 | 3933 | SN | 1 | -34.95  | 21.731 | 0.0   | -34.951 | 23.629 | 0.005 | 4.759   | 28.634 | 10.269 | 6.3     | 29.35  | 10.785 | 0.103 | 264.009 | 6.509 | 0.103 | 264.174 | 5.614 | 0.103 | 0.126   | 0.0   | 0.103 | 0.119   | 0.0   |
| 52 | 3933 | 3934 | SN | 1 | -34.988 | 23.917 | 0.014 | -34.781 | 24.649 | 0.052 | -21.297 | 32.704 | 10.064 | -18.171 | 35.329 | 12.561 | 0.103 | 266.366 | 6.625 | 0.103 | 253.96  | 5.16  | 0.102 | 11.463  | 0.01  | 0.102 | 5.623   | 0.003 |
| 53 | 3933 | 3934 | NS | 1 | -34.663 | 24.768 | 0.115 | -34.827 | 27.579 | 0.426 | 7.059   | 28.01  | 11.272 | 6.393   | 30.591 | 22.253 | 0.103 | 247.196 | 2.629 | 0.103 | 256.689 | 1.911 | 0.103 | 0.116   | 0.0   | 0.103 | 0.118   | 0.0   |
| 54 | 3933 | 3934 | SN | 1 | -34.988 | 23.917 | 0.015 | -34.781 | 24.649 | 0.059 | -21.297 | 32.704 | 10.348 | -18.171 | 35.329 | 13.491 | 0.103 | 266.366 | 7.161 | 0.103 | 253.96  | 5.811 | 0.102 | 11.463  | 0.01  | 0.102 | 5.623   | 0.003 |
| 55 | 3934 | 3935 | SN | 1 | -33.42  | 24.949 | 0.069 | -34.583 | 27.102 | 0.153 | -8.932  | 29.779 | 12.406 | -9.78   | 30.309 | 21.583 | 0.103 | 185.672 | 1.791 | 0.103 | 242.63  | 1.694 | 0.103 | 0.743   | 0.0   | 0.103 | 0.885   | 0.0   |
| 56 | 3934 | 3935 | NS | 1 | -34.973 | 23.577 | 0.031 | -34.711 | 25.376 | 0.161 | -25.917 | 28.317 | 11.765 | -11.161 | 30.334 | 35.91  | 0.103 | 265.459 | 5.476 | 0.103 | 249.928 | 3.934 | 0.103 | 33.06   | 0.002 | 0.103 | 1.185   | 0.004 |
| 57 | 3935 | 3936 | NS | 1 | -34.906 | 23.405 | 0.028 | -34.461 | 25.561 | 0.141 | -34.881 | 28.136 | 12.86  | -26.523 | 31.89  | 32.781 | 0.103 | 261.418 | 4.579 | 0.103 | 235.977 | 3.339 | 0.103 | 259.961 | 0.055 | 0.102 | 37.998  | 0.02  |
| 58 | 3935 | 3936 | SN | 1 | -33.211 | 26.763 | 0.07  | -34.298 | 26.293 | 0.118 | -5.77   | 28.047 | 13.381 | -4.848  | 30.38  | 15.198 | 0.103 | 176.923 | 1.256 | 0.103 | 227.251 | 1.106 | 0.103 | 0.404   | 0.0   | 0.103 | 0.344   | 0.0   |
| 59 | 3936 | 3937 | NS | 1 | -32.479 | 22.591 | 0.002 | -33.413 | 25.405 | 0.006 | -1.859  | 29.115 | 11.577 | -2.407  | 36.383 | 21.6   | 0.103 | 149.499 | 1.224 | 0.103 | 185.428 | 1.049 | 0.103 | 0.219   | 0.0   | 0.102 | 0.236   | 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     | 3912        | 3913      | NS   | 1    | 57.519          | 58.329 | 0.0       | 0.003         | 1.98   | 0.163     | 1206.376 | 1287.808 | 15.67     | -93.94   | -91.536 | 0.0       |
| 2     | 3912        | 3913      | SN   | 1    | 57.609          | 58.41  | 0.0       | 0.003         | 1.985  | 0.224     | 1222.4   | 1289.168 | 16.002    | -93.642  | -91.939 | 0.0       |
| 3     | 3912        | 3913      | SN   | 1    | 57.609          | 58.41  | 0.0       | 0.003         | 1.985  | 0.216     | 1222.4   | 1289.168 | 14.544    | -93.642  | -91.939 | 0.0       |
| 4     | 3912        | 3913      | SN   | 1    | 57.609          | 58.41  | 0.0       | 0.003         | 10.407 | 0.225     | 1222.4   | 1289.168 | 15.561    | -93.642  | -91.939 | 0.0       |
| 5     | 3912        | 3913      | NS   | 1    | 57.519          | 58.329 | 0.0       | 0.003         | 1.98   | 0.163     | 1206.376 | 1287.808 | 15.687    | -93.94   | -91.536 | 0.0       |
| 6     | 3913        | 3914      | SN   | 1    | 57.629          | 58.411 | 0.0       | 0.003         | 1.985  | 0.205     | 1222.816 | 1289.304 | 14.78     | -93.644  | -91.907 | 0.0       |
| 7     | 3913        | 3914      | NS   | 1    | 57.548          | 58.33  | 0.0       | 0.003         | 1.98   | 0.152     | 1207.104 | 1288.024 | 14.658    | -93.732  | -91.526 | 0.0       |
| 8     | 3913        | 3914      | SN   | 2    | 57.629          | 58.411 | 0.0       | 0.003         | 1.985  | 0.205     | 1222.816 | 1289.304 | 14.796    | -93.644  | -91.907 | 0.0       |
| 9     | 3913        | 3914      | NS   | 1    | 57.548          | 58.33  | 0.0       | 0.003         | 1.98   | 0.152     | 1207.104 | 1288.024 | 14.644    | -93.732  | -91.526 | 0.0       |
| 10    | 3914        | 3915      | SN   | 1    | 57.599          | 58.423 | 0.0       | 0.003         | 1.985  | 0.203     | 1221.696 | 1289.4   | 14.705    | -93.571  | -91.88  | 0.0       |
| 11    | 3914        | 3915      | SN   | 1    | 57.599          | 58.423 | 0.0       | 0.003         | 1.985  | 0.197     | 1221.696 | 1289.4   | 13.458    | -93.571  | -91.88  | 0.0       |
| 12    | 3914        | 3915      | NS   | 1    | 57.525          | 58.333 | 0.0       | 0.003         | 1.985  | 0.148     | 1207.312 | 1288.152 | 14.067    | -93.789  | -91.496 | 0.0       |
| 13    | 3914        | 3915      | NS   | 1    | 57.525          | 58.333 | 0.0       | 0.003         | 1.985  | 0.148     | 1207.312 | 1288.152 | 14.052    | -93.789  | -91.496 | 0.0       |
| 14    | 3914        | 3915      | SN   | 1    | 57.599          | 58.423 | 0.0       | 0.003         | 10.17  | 0.206     | 1221.696 | 1289.4   | 14.366    | -93.571  | -91.88  | 0.0       |
| 15    | 3915        | 3916      | NS   | 2    | 57.532          | 58.334 | 0.0       | 0.003         | 26.428 | 0.201     | 1207.112 | 1288.168 | 14.129    | -93.76   | -91.529 | 0.0       |
| 16    | 3915        | 3916      | SN   | 1    | 57.603          | 58.44  | 0.0       | 0.003         | 1.985  | 0.199     | 1221.704 | 1289.392 | 14.504    | -93.597  | -91.852 | 0.0       |
| 17    | 3915        | 3916      | SN   | 1    | 57.603          | 58.44  | 0.0       | 0.003         | 1.985  | 0.199     | 1221.704 | 1289.392 | 14.491    | -93.597  | -91.852 | 0.0       |
| 18    | 3915        | 3916      | NS   | 2    | 57.532          | 58.334 | 0.0       | 0.003         | 26.428 | 0.201     | 1207.112 | 1288.168 | 14.042    | -93.76   | -91.529 | 0.0       |
| 19    | 3917        | 3918      | NS   | 1    | 57.521          | 58.332 | 0.0       | 0.003         | 1.98   | 0.157     | 1207.512 | 1288.064 | 13.681    | -93.761  | -91.533 | 0.0       |
| 20    | 3917        | 3918      | SN   | 1    | 57.606          | 58.419 | 0.0       | 0.003         | 1.98   | 0.207     | 1221.616 | 1289.224 | 14.697    | -93.537  | -91.876 | 0.0       |
| 21    | 3917        | 3918      | SN   | 1    | 57.606          | 58.419 | 0.0       | 0.003         | 1.98   | 0.204     | 1221.616 | 1289.224 | 13.769    | -93.537  | -91.876 | 0.0       |
| 22    | 3918        | 3919      | NS   | 1    | 57.524          | 58.347 | 0.0       | 0.003         | 1.98   | 0.157     | 1206.664 | 1288.032 | 13.143    | -93.553  | -91.551 | 0.0       |
| 23    | 3918        | 3919      | SN   | 1    | 57.601          | 58.407 | 0.0       | 0.003         | 1.98   | 0.21      | 1221.928 | 1289.192 | 14.335    | -93.458  | -91.856 | 0.0       |
| 24    | 3918        | 3919      | SN   | 1    | 57.601          | 58.407 | 0.0       | 0.003         | 1.98   | 0.225     | 1221.928 | 1289.192 | 16.133    | -93.458  | -91.86  | 0.0       |
| 25    | 3919        | 3920      | NS   | 1    | 57.518          | 58.333 | 0.0       | 0.003         | 1.98   | 0.154     | 1206.648 | 1288.376 | 14.244    | -93.743  | -91.529 | 0.0       |
| 26    | 3919        | 3920      | SN   | 1    | 57.628          | 58.428 | 0.0       | 0.003         | 1.985  | 0.211     | 1222.552 | 1289.472 | 14.663    | -93.908  | -91.869 | 0.0       |
| 27    | 3919        | 3920      | SN   | 1    | 57.628          | 58.428 | 0.0       | 0.003         | 1.985  | 0.231     | 1222.552 | 1289.472 | 16.92     | -93.908  | -91.869 | 0.0       |
| 28    | 3920        | 3921      | NS   | 1    | 57.513          | 58.351 | 0.0       | 0.003         | 1.985  | 0.162     | 1206.992 | 1288.344 | 14.74     | -93.797  | -91.483 | 0.0       |
| 29    | 3926        | 3927      | SN   | 1    | 57.609          | 58.411 | 0.0       | 0.003         | 3.436  | 0.222     | 1221.448 | 1289.744 | 16.469    | -93.61   | -91.86  | 0.0       |
| 30    | 3926        | 3927      | SN   | 1    | 57.609          | 58.411 | 0.0       | 0.003         | 3.436  | 0.222     | 1221.448 | 1289.744 | 16.486    | -93.61   | -91.86  | 0.0       |
| 31    | 3927        | 3928      | NS   | 2    | 57.516          | 58.334 | 0.0       | 0.008         | 1.98   | 0.156     | 1207.304 | 1288.408 | 14.938    | -93.779  | -91.547 | 0.0       |
| 32    | 3927        | 3928      | NS   | 1    | 57.516          | 58.334 | 0.0       | 0.008         | 1.98   | 0.156     | 1207.304 | 1288.408 | 14.923    | -93.779  | -91.547 | 0.0       |
| 33    | 3927        | 3928      | SN   | 1    | 57.626          | 58.411 | 0.0       | 0.003         | 1.985  | 0.213     | 1221.584 | 1289.648 | 15.526    | -93.645  | -91.932 | 0.0       |
| 34    | 3927        | 3928      | SN   | 1    | 57.626          | 58.411 | 0.0       | 0.003         | 1.985  | 0.213     | 1221.584 | 1289.648 | 15.545    | -93.645  | -91.932 | 0.0       |

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

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|  Normal   |  Deviations  |
|  Alarming |  High Errors |

|    |      |      |    |   |        |        |     |       |         |       |          |          |        |         |         |     |
|----|------|------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|--------|---------|---------|-----|
| 35 | 3928 | 3929 | NS | 1 | 57.55  | 58.338 | 0.0 | 0.003 | 1.98    | 0.148 | 1207.536 | 1288.672 | 14.252 | -93.634 | -91.486 | 0.0 |
| 36 | 3928 | 3929 | SN | 1 | 57.617 | 58.42  | 0.0 | 0.003 | 1.985   | 0.199 | 1221.368 | 1289.824 | 13.585 | -93.515 | -91.908 | 0.0 |
| 37 | 3928 | 3929 | NS | 1 | 57.526 | 58.339 | 0.0 | 0.003 | 1.98    | 0.149 | 1207.568 | 1288.672 | 14.201 | -93.621 | -91.487 | 0.0 |
| 38 | 3928 | 3929 | SN | 2 | 57.597 | 58.42  | 0.0 | 0.003 | 9.844   | 0.208 | 1221.112 | 1289.816 | 14.514 | -93.534 | -91.908 | 0.0 |
| 39 | 3928 | 3929 | SN | 1 | 57.617 | 58.42  | 0.0 | 0.003 | 1.985   | 0.203 | 1221.368 | 1289.824 | 14.676 | -93.515 | -91.908 | 0.0 |
| 40 | 3929 | 3930 | SN | 1 | 57.596 | 58.429 | 0.0 | 0.003 | 1.985   | 0.204 | 1220.808 | 1289.864 | 14.9   | -93.651 | -91.859 | 0.0 |
| 41 | 3929 | 3930 | SN | 1 | 57.596 | 58.429 | 0.0 | 0.003 | 1.985   | 0.2   | 1220.808 | 1289.864 | 13.752 | -93.651 | -91.859 | 0.0 |
| 42 | 3929 | 3930 | NS | 1 | 57.549 | 58.341 | 0.0 | 0.003 | 26.924  | 0.194 | 1207.712 | 1288.784 | 13.695 | -93.325 | -91.166 | 0.0 |
| 43 | 3930 | 3931 | NS | 1 | 57.538 | 58.357 | 0.0 | 0.003 | 26.869  | 0.203 | 1207.296 | 1288.616 | 13.991 | -93.907 | -91.469 | 0.0 |
| 44 | 3930 | 3931 | SN | 1 | 57.597 | 58.408 | 0.0 | 0.003 | 254.451 | 0.207 | 1221.28  | 1289.696 | 14.908 | -93.654 | -91.93  | 0.0 |
| 45 | 3930 | 3931 | SN | 1 | 57.597 | 58.408 | 0.0 | 0.003 | 254.451 | 0.201 | 1221.28  | 1289.696 | 13.732 | -93.654 | -91.93  | 0.0 |
| 46 | 3931 | 3932 | SN | 1 | 57.598 | 58.429 | 0.0 | 0.003 | 1.985   | 0.207 | 1220.8   | 1289.696 | 15.158 | -93.582 | -91.939 | 0.0 |
| 47 | 3931 | 3932 | SN | 1 | 57.598 | 58.429 | 0.0 | 0.003 | 1.985   | 0.198 | 1220.8   | 1289.696 | 13.933 | -93.582 | -91.931 | 0.0 |
| 48 | 3931 | 3932 | NS | 1 | 57.523 | 58.338 | 0.0 | 0.003 | 1.985   | 0.158 | 1207.496 | 1288.632 | 14.192 | -93.755 | -91.53  | 0.0 |
| 49 | 3932 | 3933 | SN | 1 | 57.601 | 58.407 | 0.0 | 0.003 | 1.985   | 0.205 | 1220.944 | 1289.52  | 13.981 | -93.775 | -91.927 | 0.0 |
| 50 | 3932 | 3933 | NS | 1 | 57.525 | 58.337 | 0.0 | 0.003 | 1.985   | 0.157 | 1207.176 | 1288.488 | 13.092 | -93.801 | -91.526 | 0.0 |
| 51 | 3932 | 3933 | SN | 1 | 57.601 | 58.407 | 0.0 | 0.003 | 1.985   | 0.21  | 1220.944 | 1289.52  | 15.048 | -93.775 | -91.931 | 0.0 |
| 52 | 3933 | 3934 | SN | 1 | 57.613 | 58.409 | 0.0 | 0.003 | 1.985   | 0.209 | 1221.552 | 1289.696 | 14.731 | -93.462 | -91.874 | 0.0 |
| 53 | 3933 | 3934 | NS | 1 | 57.524 | 58.337 | 0.0 | 0.003 | 1.985   | 0.153 | 1207.304 | 1288.688 | 13.585 | -93.654 | -91.553 | 0.0 |
| 54 | 3933 | 3934 | SN | 1 | 57.613 | 58.409 | 0.0 | 0.003 | 1.985   | 0.226 | 1221.552 | 1289.696 | 16.818 | -93.462 | -91.874 | 0.0 |
| 55 | 3934 | 3935 | SN | 1 | 57.624 | 58.41  | 0.0 | 0.003 | 1.991   | 0.203 | 1221.888 | 1289.792 | 14.772 | -93.434 | -91.789 | 0.0 |
| 56 | 3934 | 3935 | NS | 1 | 57.527 | 58.338 | 0.0 | 0.003 | 1.98    | 0.157 | 1207.032 | 1288.664 | 14.453 | -93.84  | -91.543 | 0.0 |
| 57 | 3935 | 3936 | NS | 1 | 57.551 | 58.359 | 0.0 | 0.003 | 1.98    | 0.164 | 1207.088 | 1288.712 | 14.028 | -93.878 | -91.548 | 0.0 |
| 58 | 3935 | 3936 | SN | 1 | 57.624 | 58.414 | 0.0 | 0.003 | 1.985   | 0.201 | 1221.944 | 1289.936 | 14.795 | -93.475 | -91.878 | 0.0 |
| 59 | 3936 | 3937 | NS | 1 | 57.551 | 58.338 | 0.0 | 0.003 | 1.98    | 0.158 | 1207.568 | 1288.592 | 13.871 | -93.715 | -91.525 | 0.0 |

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

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|  Normal   |  Deviations  |
|  Alarming |  High Errors |



| 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       | 3912        | 3913      | NS       | 1    | -34.886 | 21.584   | 0.0        | -34.971 | 22.695    | 0.004      | -1.776  | 23.819  | 0.128      | 2.344   | 23.923   | 0.632      | 0.083 | 212.474  | 3.453      | 0.083 | 216.665   | 3.471      | 0.083 | 0.175  | 0.0        | 0.083 | 0.116  | 0.0        |
| 2       | 3912        | 3913      | SN       | 1    | -34.383 | 19.022   | 0.0        | -34.184 | 20.486    | 0.0        | -25.029 | 22.511  | 0.016      | -28.559 | 24.11    | 0.168      | 0.083 | 189.286  | 3.924      | 0.083 | 180.777   | 3.042      | 0.083 | 22.014 | 0.034      | 0.083 | 49.55  | 0.029      |
| 3       | 3912        | 3913      | SN       | 1    | -34.383 | 19.022   | 0.0        | -34.184 | 20.486    | 0.0        | -25.029 | 22.511  | 0.017      | -28.559 | 24.11    | 0.172      | 0.083 | 189.286  | 3.754      | 0.083 | 180.777   | 2.835      | 0.083 | 22.014 | 0.035      | 0.083 | 49.55  | 0.03       |
| 4       | 3912        | 3913      | SN       | 1    | -34.383 | 19.022   | 0.0        | -34.184 | 20.486    | 0.0        | -25.029 | 22.511  | 0.016      | -28.559 | 24.11    | 0.168      | 0.083 | 189.286  | 3.768      | 0.083 | 180.777   | 2.833      | 0.083 | 22.014 | 0.034      | 0.083 | 49.55  | 0.029      |
| 5       | 3912        | 3913      | NS       | 1    | -34.886 | 21.584   | 0.0        | -34.971 | 22.695    | 0.004      | -1.776  | 23.819  | 0.128      | 2.344   | 23.923   | 0.632      | 0.083 | 212.474  | 3.458      | 0.083 | 216.665   | 3.477      | 0.083 | 0.175  | 0.0        | 0.083 | 0.116  | 0.0        |
| 6       | 3913        | 3914      | SN       | 1    | -34.813 | 18.642   | 0.0        | -34.475 | 21.485    | 0.0        | -14.814 | 22.02   | 0.004      | -12.001 | 23.98    | 0.258      | 0.083 | 208.986  | 6.131      | 0.083 | 193.266   | 5.662      | 0.083 | 2.153  | 0.006      | 0.083 | 1.158  | 0.004      |
| 7       | 3913        | 3914      | NS       | 1    | -33.616 | 21.802   | 0.0        | -34.459 | 23.219    | 0.003      | -21.579 | 23.708  | 0.021      | -17.069 | 24.997   | 0.192      | 0.083 | 158.638  | 1.77       | 0.083 | 192.583   | 1.667      | 0.083 | 9.983  | 0.005      | 0.083 | 3.576  | 0.004      |
| 8       | 3913        | 3914      | SN       | 2    | -34.813 | 18.642   | 0.0        | -34.475 | 21.485    | 0.0        | -14.814 | 22.02   | 0.004      | -12.001 | 23.98    | 0.259      | 0.083 | 208.986  | 6.131      | 0.083 | 193.266   | 5.662      | 0.083 | 2.153  | 0.006      | 0.083 | 1.158  | 0.004      |
| 9       | 3913        | 3914      | NS       | 1    | -33.616 | 21.802   | 0.0        | -34.459 | 23.219    | 0.003      | -21.579 | 23.708  | 0.021      | -17.069 | 24.997   | 0.192      | 0.083 | 158.638  | 1.767      | 0.083 | 192.583   | 1.667      | 0.083 | 9.983  | 0.005      | 0.083 | 3.576  | 0.004      |
| 10      | 3914        | 3915      | SN       | 1    | -34.984 | 18.422   | 0.0        | -34.526 | 19.749    | 0.0        | 2.689   | 22.302  | 0.011      | 2.853   | 23.092   | 0.201      | 0.083 | 217.317  | 5.825      | 0.083 | 195.563   | 5.151      | 0.083 | 0.114  | 0.0        | 0.083 | 0.112  | 0.0        |
| 11      | 3914        | 3915      | SN       | 1    | -34.984 | 18.422   | 0.0        | -34.526 | 19.749    | 0.0        | 2.689   | 22.302  | 0.012      | 2.853   | 23.092   | 0.211      | 0.083 | 217.317  | 5.654      | 0.083 | 195.563   | 5.06       | 0.083 | 0.114  | 0.0        | 0.083 | 0.112  | 0.0        |
| 12      | 3914        | 3915      | NS       | 1    | -34.99  | 16.19    | 0.0        | -34.436 | 15.605    | 0.0        | -7.506  | 22.914  | 0.066      | -23.089 | 23.634   | 0.24       | 0.084 | 217.581  | 2.118      | 0.084 | 191.589   | 2.123      | 0.083 | 0.455  | 0.0        | 0.083 | 14.108 | 0.006      |
| 13      | 3914        | 3915      | NS       | 1    | -34.99  | 16.19    | 0.0        | -34.436 | 15.605    | 0.0        | -7.506  | 22.914  | 0.066      | -23.089 | 23.634   | 0.24       | 0.084 | 217.581  | 2.144      | 0.084 | 191.589   | 2.122      | 0.083 | 0.455  | 0.0        | 0.083 | 14.108 | 0.006      |
| 14      | 3914        | 3915      | SN       | 1    | -34.984 | 18.422   | 0.0        | -34.526 | 19.749    | 0.0        | 2.689   | 22.302  | 0.011      | 2.853   | 23.092   | 0.201      | 0.083 | 217.317  | 5.682      | 0.083 | 195.563   | 5.04       | 0.083 | 0.114  | 0.0        | 0.083 | 0.112  | 0.0        |
| 15      | 3915        | 3916      | NS       | 2    | -34.133 | 14.442   | 0.0        | -34.869 | 16.849    | 0.0        | -18.629 | 21.881  | 0.0        | -26.121 | 24.188   | 0.096      | 0.084 | 178.674  | 1.225      | 0.084 | 211.647   | 1.144      | 0.083 | 5.092  | 0.011      | 0.083 | 28.293 | 0.013      |
| 16      | 3915        | 3916      | SN       | 1    | -34.977 | 17.93    | 0.0        | -34.854 | 19.52     | 0.0        | 1.326   | 22.017  | 0.012      | 1.425   | 22.614   | 0.238      | 0.083 | 217.024  | 2.685      | 0.083 | 210.877   | 2.323      | 0.083 | 0.126  | 0.0        | 0.083 | 0.125  | 0.0        |
| 17      | 3915        | 3916      | SN       | 1    | -34.977 | 17.93    | 0.0        | -34.854 | 19.52     | 0.0        | 1.326   | 22.017  | 0.012      | 1.425   | 22.614   | 0.238      | 0.083 | 217.024  | 2.691      | 0.083 | 210.877   | 2.322      | 0.083 | 0.126  | 0.0        | 0.083 | 0.125  | 0.0        |
| 18      | 3915        | 3916      | NS       | 2    | -34.133 | 14.442   | 0.0        | -34.869 | 16.849    | 0.0        | -18.629 | 21.881  | 0.0        | -26.121 | 24.188   | 0.096      | 0.084 | 178.674  | 1.225      | 0.084 | 211.647   | 1.144      | 0.083 | 5.092  | 0.011      | 0.083 | 28.293 | 0.013      |
| 19      | 3917        | 3918      | NS       | 1    | -34.816 | 16.736   | 0.0        | -33.975 | 19.18     | 0.0        | -21.667 | 22.141  | 0.005      | -14.973 | 23.335   | 0.136      | 0.084 | 209.126  | 2.675      | 0.083 | 172.269   | 2.685      | 0.083 | 10.184 | 0.009      | 0.083 | 2.232  | 0.004      |
| 20      | 3917        | 3918      | SN       | 1    | -34.997 | 18.793   | 0.0        | -34.915 | 19.452    | 0.0        | 0.567   | 21.372  | 0.0        | 3.905   | 21.938   | 0.0        | 0.083 | 218.027  | 4.958      | 0.083 | 213.934   | 4.526      | 0.083 | 0.135  | 0.0        | 0.083 | 0.106  | 0.0        |
| 21      | 3917        | 3918      | SN       | 1    | -34.997 | 18.793   | 0.0        | -34.915 | 19.223    | 0.0        | 0.567   | 21.372  | 0.0        | 3.959   | 21.143   | 0.0        | 0.083 | 218.027  | 4.923      | 0.083 | 213.934   | 4.539      | 0.083 | 0.135  | 0.0        | 0.083 | 0.105  | 0.0        |
| 22      | 3918        | 3919      | NS       | 1    | -34.948 | 19.24    | 0.0        | -34.931 | 20.665    | 0.0        | -4.181  | 22.294  | 0.052      | -4.656  | 23.798   | 0.761      | 0.083 | 215.52   | 3.086      | 0.083 | 214.712   | 2.664      | 0.083 | 0.25   | 0.0        | 0.083 | 0.27   | 0.0        |
| 23      | 3918        | 3919      | SN       | 1    | -34.948 | 16.9     | 0.0        | -34.877 | 20.47     | 0.0        | -4.874  | 23.007  | 0.173      | -4.034  | 23.567   | 0.66       | 0.084 | 215.546  | 6.187      | 0.083 | 212.018   | 5.648      | 0.083 | 0.28   | 0.0        | 0.083 | 0.244  | 0.0        |
| 24      | 3918        | 3919      | SN       | 1    | -34.948 | 16.9     | 0.0        | -34.877 | 20.47     | 0.0        | -4.874  | 23.007  | 0.18       | -4.034  | 23.725   | 0.735      | 0.084 | 215.546  | 6.492      | 0.083 | 212.018   | 5.864      | 0.083 | 0.28   | 0.0        | 0.083 | 0.244  | 0.0        |
| 25      | 3919        | 3920      | NS       | 1    | -34.728 | 19.492   | 0.0        | -34.95  | 20.729    | 0.0        | -4.177  | 22.556  | 0.077      | -5.462  | 23.807   | 0.97       | 0.083 | 204.869  | 4.38       | 0.083 | 215.59    | 3.376      | 0.083 | 0.25   | 0.0        | 0.083 | 0.311  | 0.0        |
| 26      | 3919        | 3920      | SN       | 1    | -34.96  | 19.875   | 0.0        | -34.926 | 20.45     | 0.0        | -6.904  | 24.129  | 0.11       | -10.416 | 24.197   | 0.725      | 0.083 | 216.169  | 3.169      | 0.083 | 214.472   | 3.202      | 0.083 | 0.405  | 0.0        | 0.083 | 0.824  | 0.0        |
| 27      | 3919        | 3920      | SN       | 1    | -34.96  | 19.875   | 0.0        | -34.926 | 20.45     | 0.0        | -6.904  | 24.129  | 0.116      | -10.416 | 24.197   | 1.032      | 0.083 | 216.169  | 3.282      | 0.083 | 214.472   | 3.223      | 0.083 | 0.405  | 0.0        | 0.083 | 0.824  | 0.0        |
| 28      | 3920        | 3921      | NS       | 1    | -34.973 | 18.396   | 0.0        | -34.985 | 19.291    | 0.0        | 0.836   | 22.823  | 0.04       | 2.511   | 24.508   | 2.288      | 0.083 | 216.752  | 5.515      | 0.083 | 217.4     | 5.51       | 0.083 | 0.131  | 0.0        | 0.083 | 0.115  | 0.0        |
| 29      | 3926        | 3927      | SN       | 1    | -34.866 | 19.635   | 0.0        | -34.292 | 19.742    | 0.0        | -21.853 | 22.75   | 0.04       | -10.253 | 23.092   | 0.099      | 0.083 | 211.465  | 2.496      | 0.083 | 185.295   | 2.088      | 0.083 | 10.629 | 0.004      | 0.083 | 0.796  | 0.0        |
| 30      | 3926        | 3927      | SN       | 1    | -34.866 | 19.635   | 0.0        | -34.292 | 19.742    | 0.0        | -21.853 | 22.75   | 0.04       | -10.253 | 23.092   | 0.099      | 0.083 | 211.465  | 2.472      | 0.083 | 185.295   | 2.087      | 0.083 | 10.629 | 0.004      | 0.083 | 0.796  | 0.0        |
| 31      | 3927        | 3928      | NS       | 2    | -34.88  | 21.838   | 0.0        | -34.017 | 22.885    | 0.003      | 1.377   | 24.386  | 0.026      | -0.798  | 24.014   | 0.301      | 0.083 | 212.207  | 1.739      | 0.083 | 173.948   | 1.572      | 0.083 | 0.125  | 0.0        | 0.083 | 0.156  | 0.0        |
| 32      | 3927        | 3928      | NS       | 1    | -34.88  | 21.838   | 0.0        | -34.017 | 22.885    | 0.003      | 1.377   | 24.386  | 0.026      | -0.798  | 24.014   | 0.309      | 0.083 | 212.207  | 1.736      | 0.083 | 173.948   | 1.571      | 0.083 | 0.125  | 0.0        | 0.083 | 0.156  | 0.0        |

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

|    |      |      |    |   |         |        |     |         |        |       |         |        |       |         |        |       |       |         |       |       |         |       |       |         |       |       |         |       |
|----|------|------|----|---|---------|--------|-----|---------|--------|-------|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|
| 33 | 3927 | 3928 | SN | 1 | -34.795 | 19.11  | 0.0 | -33.946 | 20.716 | 0.0   | -32.581 | 21.742 | 0.0   | -32.614 | 23.813 | 0.199 | 0.083 | 208.095 | 4.467 | 0.083 | 171.14  | 4.099 | 0.083 | 125.007 | 0.057 | 0.083 | 125.929 | 0.088 |
| 34 | 3927 | 3928 | SN | 1 | -34.795 | 19.11  | 0.0 | -33.946 | 20.716 | 0.0   | -32.581 | 21.742 | 0.0   | -32.614 | 23.813 | 0.2   | 0.083 | 208.095 | 4.468 | 0.083 | 171.14  | 4.102 | 0.083 | 125.007 | 0.058 | 0.083 | 125.929 | 0.089 |
| 35 | 3928 | 3929 | NS | 1 | -32.773 | 21.341 | 0.0 | -33.946 | 22.183 | 0.001 | -17.603 | 22.242 | 0.002 | -18.54  | 23.462 | 0.168 | 0.083 | 130.625 | 1.194 | 0.083 | 171.102 | 1.232 | 0.083 | 4.035   | 0.004 | 0.083 | 4.991   | 0.006 |
| 36 | 3928 | 3929 | SN | 1 | -34.855 | 19.022 | 0.0 | -34.411 | 20.712 | 0.0   | -17.994 | 22.084 | 0.005 | -28.341 | 23.68  | 0.403 | 0.083 | 210.999 | 3.403 | 0.083 | 190.472 | 3.051 | 0.083 | 4.409   | 0.021 | 0.083 | 47.131  | 0.031 |
| 37 | 3928 | 3929 | NS | 1 | -34.091 | 21.341 | 0.0 | -32.807 | 22.181 | 0.001 | -17.603 | 22.242 | 0.002 | -18.472 | 23.462 | 0.167 | 0.083 | 176.959 | 1.195 | 0.083 | 131.683 | 1.232 | 0.083 | 4.034   | 0.004 | 0.083 | 4.915   | 0.006 |
| 38 | 3928 | 3929 | SN | 2 | -34.724 | 19.022 | 0.0 | -34.866 | 20.712 | 0.0   | -18.039 | 22.082 | 0.005 | -28.681 | 23.68  | 0.393 | 0.083 | 204.707 | 3.396 | 0.083 | 211.507 | 3.041 | 0.083 | 4.455   | 0.02  | 0.083 | 50.965  | 0.03  |
| 39 | 3928 | 3929 | SN | 1 | -34.855 | 19.022 | 0.0 | -34.411 | 20.712 | 0.0   | -17.994 | 22.084 | 0.005 | -28.341 | 23.68  | 0.393 | 0.083 | 210.999 | 3.463 | 0.083 | 190.472 | 3.08  | 0.083 | 4.409   | 0.02  | 0.083 | 47.131  | 0.03  |
| 40 | 3929 | 3930 | SN | 1 | -34.852 | 18.496 | 0.0 | -34.209 | 19.732 | 0.0   | 1.456   | 21.545 | 0.0   | 1.798   | 22.48  | 0.215 | 0.083 | 210.791 | 2.579 | 0.083 | 181.786 | 2.093 | 0.083 | 0.125   | 0.0   | 0.083 | 0.121   | 0.0   |
| 41 | 3929 | 3930 | SN | 1 | -34.852 | 18.496 | 0.0 | -34.209 | 19.732 | 0.0   | 1.456   | 21.545 | 0.0   | 1.798   | 22.48  | 0.239 | 0.083 | 210.791 | 2.538 | 0.083 | 181.786 | 2.074 | 0.083 | 0.125   | 0.0   | 0.083 | 0.121   | 0.0   |
| 42 | 3929 | 3930 | NS | 1 | -33.879 | 14.507 | 0.0 | -32.88  | 15.257 | 0.0   | -12.776 | 21.805 | 0.0   | -19.135 | 23.434 | 0.112 | 0.084 | 168.515 | 1.201 | 0.084 | 133.885 | 1.216 | 0.083 | 1.371   | 0.002 | 0.083 | 5.714   | 0.019 |
| 43 | 3930 | 3931 | NS | 1 | -34.021 | 14.83  | 0.0 | -34.719 | 16.194 | 0.0   | -34.476 | 22.501 | 0.003 | -28.495 | 22.993 | 0.089 | 0.084 | 174.104 | 1.052 | 0.084 | 204.43  | 0.952 | 0.083 | 193.322 | 0.04  | 0.083 | 48.83   | 0.054 |
| 44 | 3930 | 3931 | SN | 1 | -34.001 | 17.868 | 0.0 | -34.68  | 19.807 | 0.0   | 1.954   | 22.525 | 0.006 | 2.658   | 22.631 | 0.16  | 0.083 | 173.296 | 1.559 | 0.083 | 202.644 | 1.478 | 0.083 | 0.12    | 0.0   | 0.083 | 0.114   | 0.0   |
| 45 | 3930 | 3931 | SN | 1 | -34.001 | 17.868 | 0.0 | -34.68  | 19.807 | 0.0   | 1.954   | 22.525 | 0.006 | 2.658   | 22.631 | 0.174 | 0.083 | 173.296 | 1.532 | 0.083 | 202.644 | 1.451 | 0.083 | 0.12    | 0.0   | 0.083 | 0.114   | 0.0   |
| 46 | 3931 | 3932 | SN | 1 | -34.931 | 18.526 | 0.0 | -34.535 | 19.841 | 0.0   | 1.402   | 21.168 | 0.0   | 2.796   | 22.823 | 0.116 | 0.083 | 214.651 | 1.58  | 0.083 | 195.957 | 1.464 | 0.083 | 0.125   | 0.0   | 0.083 | 0.113   | 0.0   |
| 47 | 3931 | 3932 | SN | 1 | -34.931 | 18.526 | 0.0 | -34.535 | 18.922 | 0.0   | 1.402   | 21.168 | 0.0   | 2.796   | 22.025 | 0.008 | 0.083 | 214.651 | 1.538 | 0.083 | 195.957 | 1.422 | 0.083 | 0.125   | 0.0   | 0.083 | 0.113   | 0.0   |
| 48 | 3931 | 3932 | NS | 1 | -34.156 | 14.469 | 0.0 | -34.668 | 15.755 | 0.0   | -17.437 | 22.582 | 0.016 | -22.937 | 22.987 | 0.081 | 0.084 | 179.632 | 2.421 | 0.084 | 202.107 | 2.245 | 0.083 | 3.887   | 0.03  | 0.083 | 13.624  | 0.018 |
| 49 | 3932 | 3933 | SN | 1 | -34.991 | 16.538 | 0.0 | -34.733 | 17.891 | 0.0   | 0.887   | 22.996 | 0.142 | 0.532   | 23.28  | 0.299 | 0.084 | 217.679 | 5.977 | 0.083 | 205.126 | 5.319 | 0.083 | 0.131   | 0.0   | 0.083 | 0.135   | 0.0   |
| 50 | 3932 | 3933 | NS | 1 | -34.812 | 19.91  | 0.0 | -34.727 | 20.531 | 0.0   | -29.906 | 23.106 | 0.235 | -9.237  | 23.527 | 0.579 | 0.083 | 208.879 | 1.406 | 0.083 | 204.828 | 1.375 | 0.083 | 67.539  | 0.007 | 0.083 | 0.644   | 0.0   |
| 51 | 3932 | 3933 | SN | 1 | -34.991 | 18.786 | 0.0 | -34.733 | 17.891 | 0.0   | 0.887   | 22.996 | 0.142 | 0.532   | 23.28  | 0.3   | 0.083 | 217.679 | 6.073 | 0.083 | 205.126 | 5.413 | 0.083 | 0.131   | 0.0   | 0.083 | 0.135   | 0.0   |
| 52 | 3933 | 3934 | SN | 1 | -34.945 | 16.903 | 0.0 | -34.868 | 18.605 | 0.0   | -21.201 | 24.902 | 0.297 | -19.527 | 23.875 | 0.9   | 0.084 | 215.409 | 6.053 | 0.083 | 211.536 | 4.827 | 0.083 | 9.157   | 0.005 | 0.083 | 6.248   | 0.002 |
| 53 | 3933 | 3934 | NS | 1 | -34.88  | 19.776 | 0.0 | -34.784 | 20.721 | 0.0   | 3.121   | 22.429 | 0.061 | 2.952   | 24.287 | 0.891 | 0.083 | 212.187 | 2.42  | 0.083 | 207.529 | 2.046 | 0.083 | 0.111   | 0.0   | 0.083 | 0.112   | 0.0   |
| 54 | 3933 | 3934 | SN | 1 | -34.945 | 16.903 | 0.0 | -34.868 | 18.605 | 0.0   | -21.201 | 24.902 | 0.31  | -19.527 | 23.875 | 1.064 | 0.084 | 215.409 | 6.339 | 0.083 | 211.536 | 5.274 | 0.083 | 9.157   | 0.005 | 0.083 | 6.248   | 0.002 |
| 55 | 3934 | 3935 | SN | 1 | -34.734 | 19.166 | 0.0 | -34.855 | 20.617 | 0.0   | -16.386 | 22.829 | 0.039 | -24.254 | 23.83  | 0.797 | 0.083 | 205.207 | 2.019 | 0.083 | 210.978 | 1.67  | 0.083 | 3.064   | 0.021 | 0.083 | 18.426  | 0.02  |
| 56 | 3934 | 3935 | NS | 1 | -34.764 | 17.99  | 0.0 | -34.123 | 19.384 | 0.0   | -3.129  | 22.726 | 0.062 | -1.397  | 23.94  | 1.441 | 0.083 | 206.587 | 3.891 | 0.083 | 178.281 | 3.596 | 0.083 | 0.212   | 0.0   | 0.083 | 0.167   | 0.0   |
| 57 | 3935 | 3936 | NS | 1 | -34.625 | 18.417 | 0.0 | -34.928 | 19.66  | 0.0   | -32.558 | 22.305 | 0.093 | -32.96  | 24.384 | 2.434 | 0.083 | 200.057 | 2.963 | 0.083 | 214.536 | 2.577 | 0.083 | 124.309 | 0.289 | 0.083 | 136.392 | 0.257 |
| 58 | 3935 | 3936 | SN | 1 | -34.891 | 21.774 | 0.0 | -33.621 | 21.983 | 0.0   | -20.943 | 22.481 | 0.027 | -7.023  | 23.629 | 0.45  | 0.083 | 212.678 | 1.705 | 0.083 | 158.803 | 1.642 | 0.083 | 8.63    | 0.015 | 0.083 | 0.414   | 0.0   |
| 59 | 3936 | 3937 | NS | 1 | -32.402 | 16.979 | 0.0 | -32.714 | 18.345 | 0.0   | -34.691 | 22.221 | 0.005 | -34.079 | 24.379 | 1.548 | 0.084 | 119.959 | 0.899 | 0.083 | 128.893 | 0.77  | 0.083 | 203.128 | 0.146 | 0.083 | 176.431 | 0.114 |

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

Normal

Deviations

Alarming

High Errors