

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

Report between 27-AUG-2017 To 28-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 | 4854 | 4855 | SN | 1 | 48.737 | 49.314 | 0.0 | 0.003 | 1.803 | 0.166 | 1028.864 | 1070.488 | 0.0 | -91.86 | -89.284 | 0.0 |
| 2 | 4854 | 4855 | SN | 1 | 48.751 | 49.301 | 0.0 | 0.003 | 1.803 | 0.166 | 1028.84 | 1070.464 | 0.0 | -91.784 | -89.284 | 0.0 |
| 3 | 4854 | 4855 | SN | 1 | 48.737 | 49.314 | 0.0 | 0.003 | 1.803 | 0.173 | 1028.864 | 1069.352 | 0.0 | -91.86 | -89.284 | 0.0 |
| 4 | 4855 | 4856 | SN | 2 | 48.739 | 49.303 | 0.0 | 0.003 | 1.803 | 0.159 | 1028.464 | 1070.472 | 0.0 | -91.999 | -89.29 | 0.0 |
| 5 | 4855 | 4856 | SN | 1 | 48.739 | 49.303 | 0.0 | 0.003 | 1.803 | 0.162 | 1028.464 | 1070.2 | 0.0 | -91.999 | -89.29 | 0.0 |
| 6 | 4855 | 4856 | SN | 1 | 48.739 | 49.303 | 0.0 | 0.003 | 1.803 | 0.159 | 1028.464 | 1070.472 | 0.0 | -91.999 | -89.29 | 0.0 |
| 7 | 4855 | 4856 | NS | 1 | 48.793 | 49.336 | 0.0 | 0.003 | 1.803 | 0.167 | 1039.672 | 1071.152 | 0.0 | -91.908 | -89.265 | 0.0 |
| 8 | 4855 | 4856 | NS | 1 | 48.793 | 49.336 | 0.0 | 0.003 | 1.803 | 0.167 | 1039.672 | 1071.152 | 0.0 | -91.908 | -89.265 | 0.0 |
| 9 | 4856 | 4857 | SN | 2 | 48.726 | 49.304 | 0.0 | 0.003 | 1.798 | 0.151 | 1028.12 | 1070.144 | 0.0 | -91.912 | -89.291 | 0.0 |
| 10 | 4856 | 4857 | SN | 1 | 48.726 | 49.304 | 0.0 | 0.003 | 1.798 | 0.149 | 1028.12 | 1070.416 | 0.0 | -91.912 | -89.291 | 0.0 |
| 11 | 4856 | 4857 | SN | 1 | 48.726 | 49.304 | 0.0 | 0.003 | 1.798 | 0.151 | 1028.12 | 1070.144 | 0.0 | -91.912 | -89.291 | 0.0 |
| 12 | 4856 | 4857 | NS | 1 | 48.797 | 49.336 | 0.0 | 0.003 | 1.803 | 0.16 | 1039.344 | 1071.048 | 0.0 | -91.901 | -89.266 | 0.0 |
| 13 | 4856 | 4857 | NS | 2 | 48.797 | 49.336 | 0.0 | 0.003 | 1.803 | 0.16 | 1039.384 | 1071.04 | 0.0 | -91.901 | -89.266 | 0.0 |
| 14 | 4857 | 4858 | SN | 2 | 48.745 | 49.351 | 0.0 | 0.003 | 1.798 | 0.153 | 1028.624 | 1070.44 | 0.0 | -91.915 | -89.289 | 0.0 |
| 15 | 4857 | 4858 | SN | 2 | 48.745 | 49.351 | 0.0 | 0.003 | 1.798 | 0.153 | 1028.624 | 1070.44 | 0.0 | -91.915 | -89.289 | 0.0 |
| 16 | 4857 | 4858 | NS | 1 | 48.799 | 49.337 | 0.0 | 0.003 | 1.803 | 0.164 | 1039.544 | 1071.008 | 0.0 | -91.934 | -89.267 | 0.0 |
| 17 | 4857 | 4858 | NS | 1 | 48.799 | 49.337 | 0.0 | 0.003 | 1.803 | 0.164 | 1039.544 | 1071.008 | 0.0 | -91.934 | -89.267 | 0.0 |
| 18 | 4857 | 4858 | SN | 1 | 48.745 | 49.351 | 0.0 | 0.003 | 1.798 | 0.156 | 1028.624 | 1070.112 | 0.0 | -91.915 | -89.289 | 0.0 |
| 19 | 4858 | 4859 | SN | 1 | 48.775 | 49.329 | 0.0 | 0.003 | 1.803 | 0.154 | 1028.64 | 1070.544 | 0.0 | -91.935 | -89.289 | 0.0 |
| 20 | 4858 | 4859 | SN | 2 | 48.775 | 49.329 | 0.0 | 0.003 | 1.803 | 0.154 | 1028.64 | 1070.544 | 0.0 | -91.935 | -89.289 | 0.0 |
| 21 | 4858 | 4859 | NS | 2 | 48.798 | 49.337 | 0.0 | 0.003 | 1.803 | 0.17 | 1039.848 | 1071.032 | 0.0 | -92.581 | -89.249 | 0.0 |
| 22 | 4858 | 4859 | NS | 1 | 48.798 | 49.35 | 0.0 | 0.003 | 1.803 | 0.17 | 1039.24 | 1071.032 | 0.0 | -92.581 | -89.249 | 0.0 |
| 23 | 4858 | 4859 | SN | 1 | 48.775 | 49.329 | 0.0 | 0.003 | 1.803 | 0.158 | 1028.64 | 1069.88 | 0.0 | -91.935 | -89.289 | 0.0 |
| 24 | 4859 | 4860 | NS | 1 | 48.795 | 49.356 | 0.0 | 0.003 | 1.803 | 0.166 | 1039.008 | 1071.112 | 0.0 | -92.017 | -89.276 | 0.0 |
| 25 | 4859 | 4860 | SN | 1 | 48.763 | 49.302 | 0.0 | 0.003 | 1.798 | 0.158 | 1028.536 | 1069.568 | 0.0 | -91.895 | -89.29 | 0.0 |
| 26 | 4859 | 4860 | NS | 1 | 48.798 | 49.373 | 0.0 | 0.003 | 1.803 | 0.166 | 1039.08 | 1071.104 | 0.0 | -92.121 | -89.277 | 0.0 |
| 27 | 4859 | 4860 | SN | 2 | 48.763 | 49.302 | 0.0 | 0.003 | 1.798 | 0.152 | 1028.536 | 1070.624 | 0.0 | -91.999 | -89.29 | 0.0 |
| 28 | 4859 | 4860 | SN | 1 | 48.763 | 49.302 | 0.0 | 0.003 | 1.798 | 0.153 | 1028.536 | 1070.624 | 0.0 | -91.999 | -89.29 | 0.0 |
| 29 | 4860 | 4861 | NS | 1 | 48.799 | 49.368 | 0.0 | 0.008 | 1.803 | 0.163 | 1039.192 | 1071.272 | 0.0 | -92.104 | -89.275 | 0.0 |
| 30 | 4860 | 4861 | SN | 2 | 48.741 | 49.334 | 0.0 | 0.003 | 1.803 | 0.158 | 1028.304 | 1070.632 | 0.0 | -91.861 | -89.283 | 0.0 |
| 31 | 4860 | 4861 | SN | 1 | 48.741 | 49.334 | 0.0 | 0.003 | 1.803 | 0.167 | 1028.304 | 1068.976 | 0.0 | -91.763 | -89.283 | 0.0 |
| 32 | 4860 | 4861 | SN | 2 | 48.741 | 49.334 | 0.0 | 0.003 | 1.803 | 0.158 | 1028.304 | 1070.608 | 0.0 | -91.861 | -89.283 | 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





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|----|------|------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|-----|---------|---------|-----|
| 33 | 4860 | 4861 | NS | 1 | 48.792 | 49.373 | 0.0 | 0.008 | 1.803 | 0.163 | 1038.728 | 1071.264 | 0.0 | -92.104 | -89.275 | 0.0 |
| 34 | 4861 | 4862 | SN | 2 | 48.741 | 49.306 | 0.0 | 0.003 | 1.803 | 0.163 | 1028.984 | 1070.688 | 0.0 | -92.047 | -89.293 | 0.0 |
| 35 | 4861 | 4862 | SN | 1 | 48.741 | 49.306 | 0.0 | 0.003 | 1.803 | 0.163 | 1028.984 | 1070.656 | 0.0 | -92.047 | -89.293 | 0.0 |
| 36 | 4861 | 4862 | NS | 1 | 48.79 | 49.369 | 0.0 | 0.003 | 1.803 | 0.165 | 1039.248 | 1071.544 | 0.0 | -92.18 | -89.262 | 0.0 |
| 37 | 4862 | 4863 | NS | 1 | 48.791 | 49.378 | 0.0 | 0.003 | 1.803 | 0.169 | 1039.224 | 1071.104 | 0.0 | -92.147 | -89.211 | 0.0 |
| 38 | 4862 | 4863 | NS | 1 | 48.803 | 49.378 | 0.0 | 0.003 | 1.803 | 0.169 | 1039.264 | 1071.096 | 0.0 | -92.147 | -89.211 | 0.0 |
| 39 | 4862 | 4863 | SN | 1 | 48.738 | 49.308 | 0.0 | 0.003 | 1.798 | 0.155 | 1029.344 | 1070.896 | 0.0 | -92.099 | -89.284 | 0.0 |
| 40 | 4862 | 4863 | SN | 2 | 48.738 | 49.308 | 0.0 | 0.003 | 1.798 | 0.155 | 1029.344 | 1070.896 | 0.0 | -92.099 | -89.284 | 0.0 |
| 41 | 4863 | 4864 | SN | 1 | 48.734 | 49.308 | 0.0 | 0.003 | 1.803 | 0.155 | 1029.432 | 1070.936 | 0.0 | -91.934 | -89.298 | 0.0 |
| 42 | 4863 | 4864 | NS | 1 | 48.795 | 49.356 | 0.0 | 0.003 | 1.803 | 0.169 | 1038.744 | 1071.304 | 0.0 | -91.969 | -89.272 | 0.0 |
| 43 | 4863 | 4864 | NS | 1 | 48.795 | 49.356 | 0.0 | 0.003 | 1.803 | 0.17 | 1038.744 | 1071.304 | 0.0 | -91.969 | -89.272 | 0.0 |
| 44 | 4864 | 4865 | SN | 1 | 48.777 | 49.334 | 0.0 | 0.003 | 1.803 | 0.158 | 1029.464 | 1070.76 | 0.0 | -91.982 | -89.298 | 0.0 |
| 45 | 4864 | 4865 | NS | 1 | 48.809 | 49.337 | 0.0 | 0.003 | 1.803 | 0.17 | 1039.072 | 1071.368 | 0.0 | -91.979 | -89.272 | 0.0 |
| 46 | 4865 | 4866 | SN | 1 | 48.777 | 49.349 | 0.0 | 0.003 | 1.798 | 0.155 | 1029.512 | 1070.6 | 0.0 | -92.119 | -89.28 | 0.0 |
| 47 | 4865 | 4866 | NS | 1 | 48.811 | 49.367 | 0.0 | 0.003 | 1.803 | 0.168 | 1038.376 | 1071.176 | 0.0 | -92.022 | -89.27 | 0.0 |
| 48 | 4866 | 4867 | NS | 1 | 48.832 | 49.377 | 0.0 | 0.003 | 1.803 | 0.163 | 1038.768 | 1071.272 | 0.0 | -92.08 | -89.268 | 0.0 |
| 49 | 4866 | 4867 | NS | 1 | 48.832 | 49.377 | 0.0 | 0.003 | 1.803 | 0.163 | 1038.768 | 1071.272 | 0.0 | -92.08 | -89.268 | 0.0 |
| 50 | 4866 | 4867 | SN | 1 | 48.734 | 49.352 | 0.0 | 0.003 | 1.803 | 0.157 | 1028.92 | 1070.528 | 0.0 | -91.997 | -89.299 | 0.0 |
| 51 | 4867 | 4868 | NS | 1 | 48.813 | 49.379 | 0.0 | 0.003 | 1.803 | 0.159 | 1037.896 | 1070.92 | 0.0 | -92.068 | -89.266 | 0.0 |
| 52 | 4869 | 4870 | NS | 1 | 48.788 | 49.333 | 0.0 | 0.003 | 1.809 | 0.172 | 1037.984 | 1071.312 | 0.0 | -92.074 | -89.254 | 0.0 |
| 53 | 4869 | 4870 | NS | 1 | 48.788 | 49.333 | 0.0 | 0.003 | 1.809 | 0.172 | 1037.984 | 1071.312 | 0.0 | -92.074 | -89.254 | 0.0 |
| 54 | 4869 | 4870 | SN | 1 | 48.78 | 49.349 | 0.0 | 0.003 | 1.803 | 0.172 | 1029.792 | 1070.568 | 0.0 | -92.015 | -89.246 | 0.0 |
| 55 | 4869 | 4870 | SN | 2 | 48.78 | 49.349 | 0.0 | 0.003 | 1.803 | 0.168 | 1029.792 | 1070.792 | 0.0 | -92.015 | -89.246 | 0.0 |
| 56 | 4869 | 4870 | SN | 2 | 48.78 | 49.349 | 0.0 | 0.003 | 1.803 | 0.168 | 1029.792 | 1070.784 | 0.0 | -92.015 | -89.246 | 0.0 |
| 57 | 4870 | 4871 | SN | 1 | 48.78 | 49.354 | 0.0 | 0.003 | 1.803 | 0.152 | 1028.992 | 1070.776 | 0.0 | -91.976 | -89.301 | 0.0 |
| 58 | 4870 | 4871 | NS | 1 | 48.796 | 49.333 | 0.0 | 0.003 | 1.803 | 0.162 | 1038.272 | 1071.176 | 0.0 | -91.914 | -89.256 | 0.0 |
| 59 | 4870 | 4871 | NS | 2 | 48.789 | 49.363 | 0.0 | 0.003 | 1.803 | 0.162 | 1038.216 | 1071.168 | 0.0 | -91.914 | -89.256 | 0.0 |
| 60 | 4870 | 4871 | SN | 1 | 48.78 | 49.354 | 0.0 | 0.003 | 1.803 | 0.154 | 1028.992 | 1070.536 | 0.0 | -91.976 | -89.301 | 0.0 |
| 61 | 4870 | 4871 | SN | 2 | 48.78 | 49.354 | 0.0 | 0.003 | 1.803 | 0.154 | 1028.992 | 1070.536 | 0.0 | -91.976 | -89.301 | 0.0 |
| 62 | 4871 | 4872 | SN | 1 | 48.731 | 49.324 | 0.0 | 0.003 | 1.803 | 0.154 | 1029.216 | 1070.512 | 0.0 | -92.013 | -89.3 | 0.0 |
| 63 | 4871 | 4872 | SN | 2 | 48.731 | 49.324 | 0.0 | 0.003 | 1.803 | 0.152 | 1029.216 | 1070.784 | 0.0 | -92.013 | -89.3 | 0.0 |
| 64 | 4871 | 4872 | NS | 1 | 48.807 | 49.335 | 0.0 | 0.003 | 1.803 | 0.162 | 1038.176 | 1071.36 | 0.0 | -92.146 | -89.257 | 0.0 |
| 65 | 4871 | 4872 | SN | 1 | 48.731 | 49.324 | 0.0 | 0.003 | 1.803 | 0.153 | 1029.216 | 1070.768 | 0.0 | -92.013 | -89.3 | 0.0 |
| 66 | 4872 | 4873 | SN | 2 | 48.763 | 49.351 | 0.0 | 0.003 | 263.209 | 0.156 | 1029.648 | 1070.76 | 0.0 | -91.957 | -89.299 | 0.0 |
| 67 | 4872 | 4873 | NS | 1 | 48.799 | 49.335 | 0.0 | 0.003 | 1.803 | 0.171 | 1038.24 | 1071.128 | 0.0 | -91.915 | -89.266 | 0.0 |
| 68 | 4872 | 4873 | NS | 1 | 48.798 | 49.336 | 0.0 | 0.003 | 1.803 | 0.171 | 1038.424 | 1071.136 | 0.0 | -91.936 | -89.266 | 0.0 |
| 69 | 4872 | 4873 | SN | 2 | 48.763 | 49.351 | 0.0 | 0.003 | 263.209 | 0.156 | 1029.648 | 1070.76 | 0.0 | -92.009 | -89.299 | 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 |

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|  Normal |  Deviations |
|  Alarming |  High Errors |

| | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|-----|---------|---------|-----|
| 70 | 4872 | 4873 | SN | 1 | 48.763 | 49.351 | 0.0 | 0.003 | 263.209 | 0.159 | 1029.648 | 1070.288 | 0.0 | -91.957 | -89.299 | 0.0 |
| 71 | 4873 | 4874 | NS | 2 | 48.799 | 49.357 | 0.0 | 0.003 | 1.803 | 0.167 | 1037.984 | 1071.496 | 0.0 | -92.208 | -89.248 | 0.0 |
| 72 | 4873 | 4874 | SN | 1 | 48.751 | 49.343 | 0.0 | 0.003 | 1.803 | 0.152 | 1029.728 | 1070.808 | 0.0 | -91.988 | -89.299 | 0.0 |
| 73 | 4873 | 4874 | SN | 2 | 48.751 | 49.343 | 0.0 | 0.003 | 1.803 | 0.151 | 1029.728 | 1070.832 | 0.0 | -91.988 | -89.299 | 0.0 |
| 74 | 4873 | 4874 | SN | 1 | 48.751 | 49.343 | 0.0 | 0.003 | 1.803 | 0.156 | 1029.728 | 1070.072 | 0.0 | -91.988 | -89.299 | 0.0 |
| 75 | 4873 | 4874 | NS | 1 | 48.808 | 49.352 | 0.0 | 0.003 | 1.803 | 0.167 | 1038.128 | 1071.52 | 0.0 | -92.472 | -89.248 | 0.0 |
| 76 | 4874 | 4875 | NS | 1 | 48.792 | 49.347 | 0.0 | 0.003 | 1.803 | 0.169 | 1037.808 | 1071.208 | 0.0 | -92.079 | -89.265 | 0.0 |
| 77 | 4874 | 4875 | SN | 1 | 48.731 | 49.349 | 0.0 | 0.003 | 1.803 | 0.156 | 1029.264 | 1070.824 | 0.0 | -91.963 | -89.3 | 0.0 |
| 78 | 4874 | 4875 | SN | 1 | 48.731 | 49.349 | 0.0 | 0.003 | 1.803 | 0.163 | 1029.264 | 1069.696 | 0.0 | -91.963 | -89.3 | 0.0 |
| 79 | 4874 | 4875 | SN | 2 | 48.731 | 49.349 | 0.0 | 0.003 | 1.803 | 0.156 | 1029.264 | 1070.848 | 0.0 | -91.963 | -89.3 | 0.0 |
| 80 | 4874 | 4875 | NS | 1 | 48.788 | 49.357 | 0.0 | 0.003 | 1.798 | 0.169 | 1037.792 | 1071.192 | 0.0 | -92.089 | -89.265 | 0.0 |
| 81 | 4875 | 4876 | SN | 1 | 48.777 | 49.31 | 0.0 | 0.003 | 1.803 | 0.162 | 1030.064 | 1070.808 | 0.0 | -91.773 | -89.298 | 0.0 |
| 82 | 4875 | 4876 | NS | 1 | 48.788 | 49.351 | 0.0 | 0.003 | 1.803 | 0.167 | 1038.136 | 1071.232 | 0.0 | -92.166 | -89.264 | 0.0 |
| 83 | 4875 | 4876 | NS | 1 | 48.798 | 49.356 | 0.0 | 0.003 | 1.803 | 0.167 | 1037.792 | 1071.224 | 0.0 | -92.124 | -89.264 | 0.0 |
| 84 | 4875 | 4876 | SN | 1 | 48.78 | 49.315 | 0.0 | 0.003 | 1.803 | 0.173 | 1029.584 | 1069.4 | 0.0 | -91.732 | -89.298 | 0.0 |
| 85 | 4875 | 4876 | SN | 2 | 48.78 | 49.315 | 0.0 | 0.003 | 1.803 | 0.162 | 1029.584 | 1070.808 | 0.0 | -91.732 | -89.298 | 0.0 |
| 86 | 4876 | 4877 | NS | 2 | 48.829 | 49.378 | 0.0 | 0.003 | 1.803 | 0.167 | 1038.184 | 1071.152 | 0.0 | -92.112 | -89.257 | 0.0 |
| 87 | 4876 | 4877 | SN | 2 | 48.74 | 49.313 | 0.0 | 0.003 | 1.798 | 0.156 | 1029.648 | 1070.968 | 0.0 | -91.99 | -89.293 | 0.0 |
| 88 | 4876 | 4877 | NS | 1 | 48.82 | 49.381 | 0.0 | 0.003 | 1.803 | 0.167 | 1038.224 | 1071.168 | 0.0 | -92.121 | -89.256 | 0.0 |
| 89 | 4876 | 4877 | SN | 1 | 48.74 | 49.31 | 0.0 | 0.003 | 1.803 | 0.157 | 1030.256 | 1070.944 | 0.0 | -91.99 | -89.292 | 0.0 |
| 90 | 4876 | 4877 | SN | 1 | 48.74 | 49.313 | 0.0 | 0.003 | 1.798 | 0.17 | 1029.648 | 1067.92 | 0.0 | -91.803 | -89.293 | 0.0 |
| 91 | 4877 | 4878 | SN | 1 | 48.734 | 49.313 | 0.0 | 0.003 | 1.798 | 0.155 | 1030.36 | 1071.16 | 0.0 | -92.069 | -89.306 | 0.0 |
| 92 | 4877 | 4878 | NS | 1 | 48.789 | 49.334 | 0.0 | 0.003 | 5.873 | 0.188 | 1037.472 | 1071.296 | 0.0 | -92.066 | -89.262 | 0.0 |
| 93 | 4877 | 4878 | NS | 2 | 48.789 | 49.334 | 0.0 | 0.003 | 5.873 | 0.188 | 1037.472 | 1071.296 | 0.0 | -92.066 | -89.262 | 0.0 |
| 94 | 4878 | 4879 | NS | 1 | 48.789 | 49.382 | 0.0 | 0.008 | 5.846 | 0.186 | 1037.496 | 1071.488 | 0.0 | -92.198 | -89.262 | 0.0 |
| 95 | 4878 | 4879 | SN | 1 | 48.744 | 49.314 | 0.0 | 0.003 | 2.013 | 0.158 | 1030.104 | 1071.088 | 0.0 | -92.107 | -89.306 | 0.0 |
| 96 | 4879 | 4880 | SN | 2 | 48.751 | 49.329 | 0.0 | 0.003 | 1.798 | 0.159 | 1029.824 | 1070.912 | 0.0 | -92.038 | -89.268 | 0.0 |
| 97 | 4879 | 4880 | NS | 1 | 48.782 | 49.352 | 0.0 | 0.003 | 5.807 | 0.181 | 1037.968 | 1071.392 | 0.0 | -91.977 | -89.261 | 0.0 |
| 98 | 4879 | 4880 | NS | 1 | 48.782 | 49.352 | 0.0 | 0.003 | 5.807 | 0.182 | 1037.968 | 1071.392 | 0.0 | -91.977 | -89.261 | 0.0 |
| 99 | 4880 | 4881 | NS | 1 | 48.786 | 49.332 | 0.0 | 0.003 | 1.803 | 0.164 | 1037.816 | 1071.184 | 0.0 | -91.923 | -89.259 | 0.0 |
| 100 | 4880 | 4881 | SN | 2 | 48.78 | 49.354 | 0.0 | 0.003 | 1.798 | 0.156 | 1030.52 | 1070.776 | 0.0 | -92.211 | -89.291 | 0.0 |
| 101 | 4880 | 4881 | NS | 1 | 48.786 | 49.332 | 0.0 | 0.003 | 1.803 | 0.164 | 1037.816 | 1071.184 | 0.0 | -91.923 | -89.259 | 0.0 |
| 102 | 4881 | 4882 | NS | 1 | 48.787 | 49.376 | 0.0 | 0.003 | 1.803 | 0.169 | 1037.128 | 1071.024 | 0.0 | -92.032 | -89.257 | 0.0 |
| 103 | 4881 | 4882 | NS | 1 | 48.787 | 49.376 | 0.0 | 0.003 | 1.803 | 0.164 | 1037.128 | 1071.024 | 0.0 | -92.032 | -89.257 | 0.0 |
| 104 | 4881 | 4882 | SN | 1 | 48.768 | 49.317 | 0.0 | 0.003 | 1.803 | 0.158 | 1030.256 | 1070.728 | 0.0 | -91.902 | -89.308 | 0.0 |
| 105 | 4882 | 4883 | NS | 1 | 48.819 | 49.351 | 0.0 | 0.003 | 1.803 | 0.156 | 1037.008 | 1070.952 | 0.0 | -92.047 | -89.256 | 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 |

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|  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 | 4854 | 4855 | SN | 1 | -34.411 | 25.233 | 1.62 | -34.069 | 26.168 | 5.615 | -29.425 | 27.619 | 8.075 | -25.949 | 31.879 | 16.36 | 0.103 | 233.293 | 2.525 | 0.103 | 215.611 | 1.829 | 0.103 | 74.065 | 0.086 | 0.102 | 33.305 | 0.07 |
| 2 | 4854 | 4855 | SN | 1 | -33.704 | 25.233 | 1.56 | -34.345 | 26.168 | 5.625 | -27.457 | 27.62 | 8.059 | -25.763 | 31.881 | 16.371 | 0.103 | 198.264 | 2.528 | 0.103 | 229.724 | 1.831 | 0.103 | 47.096 | 0.086 | 0.102 | 31.915 | 0.07 |
| 3 | 4854 | 4855 | SN | 1 | -34.411 | 25.054 | 0.459 | -34.069 | 26.168 | 4.218 | -29.425 | 27.619 | 8.049 | -25.949 | 31.879 | 16.361 | 0.103 | 233.293 | 2.666 | 0.103 | 215.611 | 2.001 | 0.103 | 74.065 | 0.086 | 0.102 | 33.305 | 0.07 |
| 4 | 4855 | 4856 | SN | 2 | -34.127 | 24.816 | 1.318 | -34.476 | 26.31 | 3.37 | -25.044 | 28.281 | 9.819 | -22.509 | 30.671 | 9.338 | 0.103 | 218.47 | 1.419 | 0.103 | 236.793 | 1.037 | 0.103 | 27.055 | 0.026 | 0.103 | 15.128 | 0.027 |
| 5 | 4855 | 4856 | SN | 1 | -34.127 | 24.816 | 0.9 | -34.476 | 26.31 | 3.073 | -25.044 | 28.281 | 9.819 | -22.509 | 30.671 | 9.338 | 0.103 | 218.47 | 1.38 | 0.103 | 236.793 | 1.066 | 0.103 | 27.055 | 0.026 | 0.103 | 15.128 | 0.027 |
| 6 | 4855 | 4856 | SN | 1 | -34.127 | 24.816 | 1.319 | -34.476 | 26.31 | 3.354 | -25.044 | 28.281 | 9.819 | -22.509 | 30.671 | 9.338 | 0.103 | 218.47 | 1.416 | 0.103 | 236.793 | 1.038 | 0.103 | 27.055 | 0.026 | 0.103 | 15.128 | 0.027 |
| 7 | 4855 | 4856 | NS | 1 | -34.752 | 27.187 | 0.781 | -34.934 | 28.691 | 0.857 | -4.905 | 31.134 | 8.449 | 6.314 | 36.383 | 29.773 | 0.103 | 252.28 | 1.824 | 0.103 | 263.109 | 1.222 | 0.103 | 0.347 | 0.0 | 0.102 | 0.119 | 0.0 |
| 8 | 4855 | 4856 | NS | 1 | -34.752 | 27.187 | 0.782 | -34.934 | 28.691 | 0.865 | -4.905 | 31.134 | 8.449 | 6.314 | 36.383 | 29.762 | 0.103 | 252.28 | 1.821 | 0.103 | 263.109 | 1.221 | 0.103 | 0.347 | 0.0 | 0.102 | 0.119 | 0.0 |
| 9 | 4856 | 4857 | SN | 2 | -34.552 | 24.721 | 0.231 | -34.571 | 25.312 | 1.185 | -19.701 | 28.148 | 11.266 | -23.109 | 29.873 | 7.872 | 0.103 | 240.979 | 2.527 | 0.103 | 241.979 | 1.951 | 0.103 | 7.961 | 0.044 | 0.103 | 17.358 | 0.041 |
| 10 | 4856 | 4857 | SN | 1 | -34.552 | 24.721 | 0.274 | -34.571 | 25.558 | 1.568 | -19.701 | 28.148 | 11.266 | -23.109 | 29.873 | 7.872 | 0.103 | 240.979 | 2.481 | 0.103 | 241.979 | 1.937 | 0.103 | 7.961 | 0.044 | 0.103 | 17.358 | 0.041 |
| 11 | 4856 | 4857 | SN | 1 | -34.552 | 24.721 | 0.231 | -34.571 | 25.312 | 1.185 | -19.701 | 28.148 | 11.266 | -23.109 | 29.873 | 7.872 | 0.103 | 240.979 | 2.527 | 0.103 | 241.979 | 1.951 | 0.103 | 7.961 | 0.044 | 0.103 | 17.358 | 0.041 |
| 12 | 4856 | 4857 | NS | 1 | -32.909 | 23.454 | 0.203 | -33.618 | 24.847 | 0.736 | -4.834 | 29.174 | 8.074 | -9.392 | 30.158 | 22.237 | 0.103 | 165.108 | 0.875 | 0.103 | 194.304 | 0.631 | 0.103 | 0.343 | 0.0 | 0.103 | 0.817 | 0.0 |
| 13 | 4856 | 4857 | NS | 2 | -32.157 | 23.453 | 0.204 | -34.823 | 24.847 | 0.736 | -4.836 | 29.172 | 8.078 | -9.392 | 30.158 | 22.236 | 0.103 | 138.842 | 0.874 | 0.103 | 256.458 | 0.631 | 0.103 | 0.343 | 0.0 | 0.103 | 0.817 | 0.0 |
| 14 | 4857 | 4858 | SN | 2 | -34.883 | 22.539 | 0.008 | -34.968 | 24.924 | 0.885 | 0.902 | 26.855 | 11.471 | 1.306 | 29.152 | 5.849 | 0.103 | 260.068 | 3.582 | 0.103 | 265.188 | 2.917 | 0.103 | 0.162 | 0.0 | 0.103 | 0.156 | 0.0 |
| 15 | 4857 | 4858 | SN | 2 | -34.883 | 23.071 | 0.009 | -34.968 | 24.924 | 0.89 | 0.902 | 26.855 | 11.471 | 1.306 | 29.152 | 5.845 | 0.103 | 260.068 | 3.585 | 0.103 | 265.188 | 2.919 | 0.103 | 0.162 | 0.0 | 0.103 | 0.156 | 0.0 |
| 16 | 4857 | 4858 | NS | 1 | -33.647 | 22.863 | 0.108 | -33.14 | 25.233 | 0.058 | -9.395 | 28.689 | 7.096 | -9.141 | 30.575 | 18.48 | 0.103 | 195.623 | 1.687 | 0.103 | 174.087 | 1.126 | 0.103 | 0.817 | 0.0 | 0.103 | 0.776 | 0.0 |
| 17 | 4857 | 4858 | NS | 1 | -33.647 | 22.863 | 0.107 | -33.14 | 25.233 | 0.058 | -9.395 | 28.689 | 7.096 | -9.141 | 30.575 | 18.473 | 0.103 | 195.623 | 1.69 | 0.103 | 174.087 | 1.127 | 0.103 | 0.817 | 0.0 | 0.103 | 0.776 | 0.0 |
| 18 | 4857 | 4858 | SN | 1 | -34.883 | 22.265 | 0.003 | -34.968 | 24.924 | 0.772 | 7.115 | 26.855 | 11.49 | 1.306 | 29.152 | 5.821 | 0.103 | 260.068 | 3.64 | 0.103 | 265.188 | 2.931 | 0.103 | 0.116 | 0.0 | 0.103 | 0.156 | 0.0 |
| 19 | 4858 | 4859 | SN | 1 | -34.048 | 22.693 | 0.014 | -34.892 | 25.408 | 0.859 | 6.72 | 28.563 | 16.245 | -0.159 | 28.566 | 17.748 | 0.103 | 214.54 | 2.451 | 0.103 | 260.578 | 2.052 | 0.103 | 0.117 | 0.0 | 0.103 | 0.179 | 0.0 |
| 20 | 4858 | 4859 | SN | 2 | -34.048 | 22.693 | 0.014 | -34.892 | 25.408 | 0.858 | 6.72 | 28.563 | 16.228 | -0.159 | 28.566 | 17.734 | 0.103 | 214.54 | 2.452 | 0.103 | 260.578 | 2.052 | 0.103 | 0.117 | 0.0 | 0.103 | 0.179 | 0.0 |
| 21 | 4858 | 4859 | NS | 2 | -34.54 | 23.194 | 0.249 | -30.861 | 23.227 | 0.118 | -20.035 | 28.286 | 4.033 | -23.401 | 29.746 | 12.154 | 0.103 | 240.23 | 1.301 | 0.103 | 103.05 | 1.031 | 0.103 | 8.593 | 0.007 | 0.103 | 18.56 | 0.006 |
| 22 | 4858 | 4859 | NS | 1 | -34.967 | 23.196 | 0.249 | -30.927 | 23.227 | 0.118 | -20.029 | 28.286 | 4.033 | -23.426 | 29.746 | 12.152 | 0.103 | 265.114 | 1.301 | 0.103 | 104.626 | 1.031 | 0.103 | 8.581 | 0.007 | 0.103 | 18.662 | 0.006 |
| 23 | 4858 | 4859 | SN | 1 | -34.048 | 22.647 | 0.006 | -34.892 | 25.408 | 0.716 | 6.72 | 28.563 | 16.363 | -0.159 | 28.566 | 18.4 | 0.103 | 214.54 | 2.487 | 0.103 | 260.578 | 2.101 | 0.103 | 0.117 | 0.0 | 0.103 | 0.179 | 0.0 |
| 24 | 4859 | 4860 | NS | 1 | -34.801 | 23.7 | 0.377 | -34.266 | 23.918 | 0.473 | -5.351 | 28.693 | 4.398 | -6.052 | 29.274 | 12.892 | 0.103 | 255.184 | 4.035 | 0.103 | 225.563 | 3.055 | 0.103 | 0.375 | 0.0 | 0.103 | 0.425 | 0.0 |
| 25 | 4859 | 4860 | SN | 1 | -34.512 | 23.174 | 0.003 | -34.292 | 26.087 | 0.573 | 5.803 | 27.924 | 14.723 | 5.924 | 29.817 | 17.073 | 0.103 | 238.716 | 3.202 | 0.103 | 226.969 | 2.712 | 0.103 | 0.121 | 0.0 | 0.103 | 0.12 | 0.0 |
| 26 | 4859 | 4860 | NS | 1 | -34.188 | 23.699 | 0.378 | -34.06 | 23.918 | 0.475 | -5.354 | 28.694 | 4.4 | -6.056 | 29.274 | 12.888 | 0.103 | 221.624 | 4.038 | 0.103 | 215.153 | 3.056 | 0.103 | 0.375 | 0.0 | 0.103 | 0.425 | 0.0 |
| 27 | 4859 | 4860 | SN | 2 | -34.512 | 23.457 | 0.083 | -34.292 | 26.087 | 1.062 | 5.803 | 27.924 | 14.07 | 5.924 | 29.817 | 16.768 | 0.103 | 238.716 | 3.185 | 0.103 | 226.969 | 2.611 | 0.103 | 0.121 | 0.0 | 0.103 | 0.12 | 0.0 |
| 28 | 4859 | 4860 | SN | 1 | -34.512 | 23.457 | 0.076 | -34.292 | 26.087 | 1.043 | 5.803 | 27.924 | 14.07 | 5.924 | 29.817 | 16.76 | 0.103 | 238.716 | 3.19 | 0.103 | 226.969 | 2.611 | 0.103 | 0.121 | 0.0 | 0.103 | 0.12 | 0.0 |
| 29 | 4860 | 4861 | NS | 1 | -33.761 | 25.165 | 0.567 | -33.862 | 25.908 | 1.605 | -7.026 | 29.461 | 9.413 | -9.371 | 31.013 | 16.459 | 0.103 | 200.859 | 2.492 | 0.103 | 205.532 | 2.076 | 0.103 | 0.51 | 0.0 | 0.103 | 0.813 | 0.0 |
| 30 | 4860 | 4861 | SN | 2 | -34.971 | 23.739 | 0.262 | -34.803 | 25.198 | 1.635 | 6.507 | 27.421 | 9.87 | 6.589 | 30.662 | 11.887 | 0.103 | 265.39 | 4.473 | 0.103 | 255.272 | 3.991 | 0.103 | 0.118 | 0.0 | 0.103 | 0.117 | 0.0 |
| 31 | 4860 | 4861 | SN | 1 | -34.971 | 23.567 | 0.006 | -34.803 | 24.68 | 0.366 | 6.507 | 27.421 | 10.464 | 6.589 | 30.662 | 11.933 | 0.103 | 265.39 | 4.626 | 0.103 | 255.272 | 4.237 | 0.103 | 0.118 | 0.0 | 0.103 | 0.117 | 0.0 |
| 32 | 4860 | 4861 | SN | 2 | -34.971 | 23.739 | 0.262 | -34.803 | 25.198 | 1.609 | 6.507 | 27.421 | 9.987 | 6.589 | 30.662 | 11.892 | 0.103 | 265.39 | 4.473 | 0.103 | 255.272 | 3.989 | 0.103 | 0.118 | 0.0 | 0.103 | 0.117 | 0.0 |
| 33 | 4860 | 4861 | NS | 1 | -33.774 | 25.167 | 0.568 | -34.843 | 25.909 | 1.608 | -7.023 | 29.457 | 9.444 | -9.365 | 31.011 | 16.472 | 0.103 | 201.467 | 2.494 | 0.103 | 257.662 | 2.079 | 0.103 | 0.51 | 0.0 | 0.103 | 0.812 | 0.0 |

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

Normal Deviations
 Alarming High Errors

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 34 | 4861 | 4862 | SN | 2 | -33.619 | 22.706 | 0.008 | -33.993 | 25.083 | 1.945 | 2.472 | 30.58 | 11.148 | 3.018 | 36.155 | 17.475 | 0.103 | 194.373 | 4.834 | 0.103 | 211.904 | 3.441 | 0.103 | 0.143 | 0.0 | 0.102 | 0.138 | 0.0 |
| 35 | 4861 | 4862 | SN | 1 | -33.619 | 22.706 | 0.008 | -33.993 | 25.083 | 1.936 | 2.472 | 30.58 | 11.148 | 3.018 | 36.155 | 17.475 | 0.103 | 194.373 | 4.834 | 0.103 | 211.904 | 3.441 | 0.103 | 0.143 | 0.0 | 0.102 | 0.138 | 0.0 |
| 36 | 4861 | 4862 | NS | 1 | -34.512 | 24.31 | 0.484 | -34.53 | 25.866 | 0.652 | 5.523 | 29.819 | 8.238 | 5.322 | 30.523 | 16.793 | 0.103 | 238.723 | 3.492 | 0.103 | 239.783 | 2.673 | 0.103 | 0.122 | 0.0 | 0.103 | 0.123 | 0.0 |
| 37 | 4862 | 4863 | NS | 1 | -34.954 | 24.096 | 0.644 | -33.053 | 24.551 | 0.48 | -4.01 | 28.638 | 13.026 | -2.784 | 30.646 | 38.763 | 0.103 | 264.276 | 3.308 | 0.103 | 170.638 | 2.349 | 0.103 | 0.3 | 0.0 | 0.103 | 0.249 | 0.0 |
| 38 | 4862 | 4863 | NS | 1 | -34.872 | 24.096 | 0.643 | -34.96 | 24.551 | 0.48 | -4.016 | 28.638 | 13.012 | -2.786 | 30.646 | 38.798 | 0.103 | 259.343 | 3.307 | 0.103 | 264.706 | 2.352 | 0.103 | 0.3 | 0.0 | 0.103 | 0.249 | 0.0 |
| 39 | 4862 | 4863 | SN | 1 | -34.782 | 24.992 | 0.055 | -34.806 | 27.808 | 2.198 | -9.784 | 28.805 | 15.224 | -5.623 | 30.769 | 23.27 | 0.103 | 254.077 | 1.35 | 0.103 | 255.394 | 1.312 | 0.103 | 0.886 | 0.0 | 0.103 | 0.394 | 0.0 |
| 40 | 4862 | 4863 | SN | 2 | -34.782 | 24.992 | 0.055 | -34.806 | 27.808 | 2.198 | -9.784 | 28.805 | 15.224 | -5.623 | 30.769 | 23.27 | 0.103 | 254.077 | 1.35 | 0.103 | 255.394 | 1.312 | 0.103 | 0.886 | 0.0 | 0.103 | 0.394 | 0.0 |
| 41 | 4863 | 4864 | SN | 1 | -34.523 | 27.518 | 0.302 | -34.294 | 28.799 | 2.599 | -5.359 | 28.578 | 15.473 | -9.797 | 31.751 | 17.552 | 0.103 | 239.35 | 1.552 | 0.103 | 227.012 | 1.156 | 0.103 | 0.376 | 0.0 | 0.102 | 0.888 | 0.0 |
| 42 | 4863 | 4864 | NS | 1 | -34.734 | 24.437 | 0.757 | -34.108 | 24.607 | 0.526 | -6.189 | 27.942 | 11.342 | -5.417 | 31.759 | 25.794 | 0.103 | 251.251 | 2.709 | 0.103 | 217.56 | 2.063 | 0.103 | 0.436 | 0.0 | 0.102 | 0.379 | 0.0 |
| 43 | 4863 | 4864 | NS | 1 | -34.734 | 24.437 | 0.757 | -34.108 | 24.607 | 0.526 | -6.189 | 27.942 | 11.305 | -5.417 | 31.759 | 25.779 | 0.103 | 251.251 | 2.708 | 0.103 | 217.56 | 2.061 | 0.103 | 0.436 | 0.0 | 0.102 | 0.379 | 0.0 |
| 44 | 4864 | 4865 | SN | 1 | -34.713 | 26.527 | 0.487 | -34.43 | 28.403 | 3.156 | -11.874 | 28.369 | 15.327 | -11.777 | 30.988 | 19.444 | 0.103 | 250.046 | 2.38 | 0.103 | 234.27 | 1.839 | 0.103 | 1.382 | 0.002 | 0.103 | 1.353 | 0.002 |
| 45 | 4864 | 4865 | NS | 1 | -34.996 | 24.54 | 1.125 | -34.182 | 25.422 | 1.038 | -8.811 | 28.083 | 14.054 | -11.024 | 30.673 | 23.083 | 0.103 | 266.874 | 1.73 | 0.103 | 221.301 | 2.045 | 0.103 | 0.725 | 0.0 | 0.103 | 1.215 | 0.002 |
| 46 | 4865 | 4866 | SN | 1 | -34.82 | 23.813 | 0.593 | -34.272 | 27.125 | 4.898 | -21.402 | 29.191 | 12.666 | -6.887 | 30.08 | 18.846 | 0.103 | 256.266 | 3.008 | 0.103 | 225.896 | 2.205 | 0.103 | 11.742 | 0.004 | 0.103 | 0.497 | 0.0 |
| 47 | 4865 | 4866 | NS | 1 | -34.928 | 24.96 | 1.774 | -34.659 | 25.978 | 1.883 | -0.965 | 27.905 | 24.081 | -3.248 | 30.377 | 38.428 | 0.103 | 262.735 | 2.781 | 0.103 | 246.917 | 2.236 | 0.103 | 0.196 | 0.0 | 0.103 | 0.266 | 0.0 |
| 48 | 4866 | 4867 | NS | 1 | -34.668 | 25.153 | 1.379 | -34.441 | 25.322 | 1.026 | 10.057 | 27.212 | 12.334 | 10.374 | 30.704 | 38.934 | 0.103 | 247.504 | 2.329 | 0.103 | 234.849 | 1.848 | 0.103 | 0.109 | 0.0 | 0.103 | 0.109 | 0.0 |
| 49 | 4866 | 4867 | NS | 1 | -34.668 | 25.153 | 1.379 | -34.441 | 25.322 | 1.026 | 10.057 | 28.241 | 22.627 | 10.374 | 30.704 | 39.674 | 0.103 | 247.504 | 2.329 | 0.103 | 234.849 | 1.848 | 0.103 | 0.109 | 0.0 | 0.103 | 0.109 | 0.0 |
| 50 | 4866 | 4867 | SN | 1 | -34.985 | 23.705 | 0.276 | -34.69 | 26.807 | 3.349 | -7.719 | 28.518 | 22.847 | -7.241 | 30.156 | 31.257 | 0.103 | 266.213 | 5.826 | 0.103 | 248.716 | 4.26 | 0.103 | 0.583 | 0.0 | 0.103 | 0.531 | 0.0 |
| 51 | 4867 | 4868 | NS | 1 | -34.988 | 25.261 | 1.225 | -34.931 | 26.013 | 0.367 | 9.114 | 25.749 | 3.006 | 9.171 | 29.369 | 14.282 | 0.103 | 266.399 | 3.975 | 0.103 | 262.884 | 3.65 | 0.103 | 0.111 | 0.0 | 0.103 | 0.111 | 0.0 |
| 52 | 4869 | 4870 | NS | 1 | -34.657 | 27.368 | 1.378 | -34.769 | 28.43 | 0.626 | 1.996 | 29.495 | 10.816 | 7.619 | 35.606 | 28.585 | 0.103 | 246.829 | 4.118 | 0.103 | 253.281 | 3.484 | 0.103 | 0.148 | 0.0 | 0.102 | 0.114 | 0.0 |
| 53 | 4869 | 4870 | NS | 1 | -34.657 | 27.368 | 1.379 | -34.769 | 28.43 | 0.627 | 1.996 | 29.495 | 10.805 | 7.619 | 35.606 | 28.585 | 0.103 | 246.829 | 4.122 | 0.103 | 253.281 | 3.489 | 0.103 | 0.148 | 0.0 | 0.102 | 0.114 | 0.0 |
| 54 | 4869 | 4870 | SN | 1 | -33.998 | 25.577 | 0.923 | -34.396 | 26.454 | 6.142 | -24.254 | 29.537 | 8.89 | -21.862 | 34.027 | 17.664 | 0.103 | 212.121 | 3.905 | 0.103 | 232.409 | 2.886 | 0.103 | 22.57 | 0.014 | 0.102 | 13.045 | 0.016 |
| 55 | 4869 | 4870 | SN | 2 | -33.998 | 26.072 | 2.5 | -34.396 | 26.454 | 6.629 | -24.254 | 29.537 | 8.89 | -21.862 | 34.027 | 17.664 | 0.103 | 212.121 | 3.724 | 0.103 | 232.409 | 2.833 | 0.103 | 22.57 | 0.014 | 0.102 | 13.045 | 0.016 |
| 56 | 4869 | 4870 | SN | 2 | -33.998 | 26.072 | 2.484 | -34.396 | 26.454 | 6.59 | -24.254 | 29.537 | 8.886 | -21.862 | 34.027 | 17.645 | 0.103 | 212.121 | 3.714 | 0.103 | 232.409 | 2.836 | 0.103 | 22.57 | 0.014 | 0.102 | 13.045 | 0.016 |
| 57 | 4870 | 4871 | SN | 1 | -33.584 | 24.551 | 1.147 | -34.886 | 25.527 | 3.453 | -13.913 | 30.188 | 9.15 | -12.674 | 30.294 | 6.7 | 0.103 | 192.787 | 2.269 | 0.103 | 260.249 | 1.721 | 0.103 | 2.161 | 0.006 | 0.103 | 1.645 | 0.002 |
| 58 | 4870 | 4871 | NS | 1 | -34.872 | 26.401 | 0.8 | -34.7 | 27.111 | 1.185 | -4.949 | 28.682 | 7.472 | -2.665 | 30.515 | 24.689 | 0.103 | 259.382 | 3.062 | 0.103 | 249.296 | 3.112 | 0.103 | 0.35 | 0.0 | 0.103 | 0.245 | 0.0 |
| 59 | 4870 | 4871 | NS | 2 | -34.705 | 26.403 | 0.8 | -34.255 | 27.111 | 1.185 | -4.949 | 28.68 | 7.468 | -2.665 | 30.515 | 24.695 | 0.103 | 249.551 | 3.062 | 0.103 | 225.062 | 3.112 | 0.103 | 0.35 | 0.0 | 0.103 | 0.245 | 0.0 |
| 60 | 4870 | 4871 | SN | 1 | -33.584 | 24.551 | 0.945 | -34.886 | 25.527 | 3.054 | -13.913 | 30.188 | 9.15 | -12.674 | 30.294 | 6.7 | 0.103 | 192.787 | 2.289 | 0.103 | 260.249 | 1.661 | 0.103 | 2.161 | 0.006 | 0.103 | 1.645 | 0.002 |
| 61 | 4870 | 4871 | SN | 2 | -33.584 | 24.551 | 0.945 | -34.886 | 25.527 | 3.054 | -13.913 | 30.188 | 9.15 | -12.674 | 30.294 | 6.7 | 0.103 | 192.787 | 2.289 | 0.103 | 260.249 | 1.661 | 0.103 | 2.161 | 0.006 | 0.103 | 1.645 | 0.002 |
| 62 | 4871 | 4872 | SN | 1 | -34.965 | 24.475 | 0.043 | -34.509 | 25.78 | 1.171 | 7.601 | 28.593 | 14.257 | 9.007 | 29.372 | 9.532 | 0.103 | 264.99 | 3.764 | 0.103 | 248.316 | 2.978 | 0.103 | 0.114 | 0.0 | 0.103 | 0.111 | 0.0 |
| 63 | 4871 | 4872 | SN | 2 | -34.965 | 24.475 | 0.112 | -34.509 | 25.78 | 1.262 | -2.432 | 28.593 | 14.254 | -1.118 | 29.372 | 9.511 | 0.103 | 264.99 | 3.8 | 0.103 | 248.316 | 2.96 | 0.103 | 0.237 | 0.0 | 0.103 | 0.2 | 0.0 |
| 64 | 4871 | 4872 | NS | 1 | -34.691 | 24.014 | 0.289 | -34.632 | 25.453 | 0.293 | -6.406 | 28.502 | 7.405 | -10.983 | 30.145 | 20.784 | 0.103 | 248.811 | 0.711 | 0.103 | 245.477 | 0.295 | 0.103 | 0.454 | 0.0 | 0.103 | 1.141 | 0.002 |
| 65 | 4871 | 4872 | SN | 1 | -34.965 | 24.475 | 0.11 | -34.509 | 25.78 | 1.26 | -2.432 | 28.593 | 14.254 | -1.118 | 29.372 | 9.511 | 0.103 | 264.99 | 3.814 | 0.103 | 248.316 | 2.968 | 0.103 | 0.237 | 0.0 | 0.103 | 0.2 | 0.0 |
| 66 | 4872 | 4873 | SN | 2 | -34.67 | 23.131 | 0.02 | -34.685 | 25.869 | 1.004 | 6.643 | 26.869 | 11.848 | 2.298 | 29.277 | 8.377 | 0.103 | 247.58 | 3.079 | 0.103 | 248.423 | 2.517 | 0.103 | 0.117 | 0.0 | 0.103 | 0.145 | 0.0 |
| 67 | 4872 | 4873 | NS | 1 | -34.895 | 23.864 | 0.52 | -32.767 | 24.424 | 0.634 | -10.558 | 29.041 | 4.68 | -13.957 | 29.455 | 12.626 | 0.103 | 260.804 | 1.533 | 0.103 | 159.77 | 1.254 | 0.103 | 1.042 | 0.001 | 0.103 | 2.181 | 0.001 |
| 68 | 4872 | 4873 | NS | 1 | -34.342 | 23.864 | 0.52 | -32.317 | 24.423 | 0.634 | -10.569 | 29.041 | 4.676 | -13.957 | 29.455 | 12.6 | 0.103 | 229.541 | 1.53 | 0.103 | 144.05 | 1.254 | 0.103 | 1.045 | 0.001 | 0.103 | 2.181 | 0.001 |
| 69 | 4872 | 4873 | SN | 2 | -34.67 | 23.131 | 0.02 | -34.685 | 25.869 | 0.986 | 6.643 | 26.869 | 12.006 | 2.298 | 29.277 | 8.364 | 0.103 | 247.58 | 3.079 | 0.103 | 248.423 | 2.519 | 0.103 | 0.117 | 0.0 | 0.103 | 0.145 | 0.0 |
| 70 | 4872 | 4873 | SN | 1 | -34.67 | 22.566 | 0.003 | -34.685 | 25.869 | 0.77 | 6.643 | 26.869 | 11.856 | 2.298 | 29.277 | 8.505 | 0.103 | 247.58 | 3.127 | 0.103 | 248.423 | 2.565 | 0.103 | 0.117 | 0.0 | 0.103 | 0.145 | 0.0 |
| 71 | 4873 | 4874 | NS | 2 | -34.39 | 24.121 | 0.612 | -34.868 | 25.062 | 0.758 | -8.126 | 28.4 | 4.026 | -6.134 | 30.86 | 15.589 | 0.103 | 232.081 | 3.994 | 0.103 | 259.111 | 3.126 | 0.103 | 0.632 | 0.0 | 0.103 | 0.431 | 0.0 |
| 72 | 4873 | 4874 | SN | 1 | -34.909 | 23.612 | 0.045 | -34.569 | 25.301 | 1.045 | 5.636 | 27.634 | 13.927 | 8.404 | 29.07 | 17.156 | 0.103 | 261.588 | 3.513 | 0.103 | 241.852 | 2.47 | 0.103 | 0.121 | 0.0 | 0.103 | 0.112 | 0.0 |

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

- Normal
- Deviations
- Alarming
- High Errors

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 73 | 4873 | 4874 | SN | 2 | -34.909 | 23.612 | 0.05 | -34.569 | 25.301 | 1.053 | 5.636 | 27.634 | 13.915 | 8.404 | 29.07 | 17.156 | 0.103 | 261.588 | 3.511 | 0.103 | 241.852 | 2.469 | 0.103 | 0.121 | 0.0 | 0.103 | 0.112 | 0.0 |
| 74 | 4873 | 4874 | SN | 1 | -34.909 | 22.839 | 0.003 | -34.569 | 25.301 | 0.509 | 5.636 | 27.634 | 14.28 | 8.404 | 29.07 | 17.639 | 0.103 | 261.588 | 3.524 | 0.103 | 241.852 | 2.54 | 0.103 | 0.121 | 0.0 | 0.103 | 0.112 | 0.0 |
| 75 | 4873 | 4874 | NS | 1 | -33.876 | 24.123 | 0.612 | -33.871 | 25.062 | 0.758 | -8.128 | 28.397 | 4.026 | -6.134 | 30.858 | 15.586 | 0.103 | 206.252 | 3.993 | 0.103 | 205.98 | 3.128 | 0.103 | 0.632 | 0.0 | 0.103 | 0.431 | 0.0 |
| 76 | 4874 | 4875 | NS | 1 | -34.813 | 24.502 | 0.988 | -34.154 | 24.997 | 1.71 | -9.367 | 28.955 | 5.227 | -7.21 | 29.882 | 13.899 | 0.103 | 255.888 | 4.594 | 0.103 | 219.879 | 3.259 | 0.103 | 0.812 | 0.0 | 0.103 | 0.528 | 0.0 |
| 77 | 4874 | 4875 | SN | 1 | -34.906 | 23.792 | 0.175 | -34.985 | 25.484 | 1.403 | 5.959 | 27.28 | 13.059 | 3.982 | 29.771 | 13.061 | 0.103 | 261.462 | 4.201 | 0.103 | 266.218 | 3.623 | 0.103 | 0.12 | 0.0 | 0.103 | 0.131 | 0.0 |
| 78 | 4874 | 4875 | SN | 1 | -34.906 | 22.181 | 0.002 | -34.985 | 25.484 | 0.479 | 5.959 | 27.28 | 13.956 | 3.982 | 29.771 | 13.186 | 0.103 | 261.462 | 4.245 | 0.103 | 266.218 | 3.763 | 0.103 | 0.12 | 0.0 | 0.103 | 0.131 | 0.0 |
| 79 | 4874 | 4875 | SN | 2 | -34.906 | 23.792 | 0.178 | -34.985 | 25.484 | 1.432 | 5.959 | 27.28 | 13.059 | 3.982 | 29.771 | 13.061 | 0.103 | 261.462 | 4.189 | 0.103 | 266.218 | 3.623 | 0.103 | 0.12 | 0.0 | 0.103 | 0.131 | 0.0 |
| 80 | 4874 | 4875 | NS | 1 | -34.826 | 24.505 | 0.987 | -34.567 | 24.997 | 1.712 | -9.368 | 28.955 | 5.226 | -7.209 | 29.882 | 13.882 | 0.103 | 256.636 | 4.6 | 0.103 | 241.788 | 3.263 | 0.103 | 0.813 | 0.0 | 0.103 | 0.528 | 0.0 |
| 81 | 4875 | 4876 | SN | 1 | -34.793 | 24.265 | 0.293 | -34.868 | 25.45 | 2.465 | -25.137 | 33.03 | 9.574 | -12.812 | 34.277 | 12.745 | 0.103 | 254.679 | 2.405 | 0.103 | 259.104 | 2.145 | 0.102 | 27.638 | 0.008 | 0.102 | 1.695 | 0.006 |
| 82 | 4875 | 4876 | NS | 1 | -34.6 | 25.257 | 1.006 | -34.069 | 25.79 | 1.531 | 7.669 | 28.561 | 13.005 | 7.861 | 30.499 | 25.192 | 0.103 | 243.629 | 2.706 | 0.103 | 215.644 | 2.203 | 0.103 | 0.114 | 0.0 | 0.103 | 0.114 | 0.0 |
| 83 | 4875 | 4876 | NS | 1 | -34.912 | 25.25 | 1.007 | -34.854 | 25.79 | 1.53 | 7.667 | 28.563 | 12.993 | 7.861 | 30.496 | 25.184 | 0.103 | 261.78 | 2.705 | 0.103 | 258.265 | 2.199 | 0.103 | 0.114 | 0.0 | 0.103 | 0.114 | 0.0 |
| 84 | 4875 | 4876 | SN | 1 | -34.719 | 23.264 | 0.023 | -33.223 | 24.161 | 0.086 | -25.268 | 33.03 | 10.08 | -12.812 | 34.277 | 12.766 | 0.103 | 250.365 | 2.498 | 0.103 | 177.473 | 2.219 | 0.102 | 28.487 | 0.009 | 0.102 | 1.695 | 0.006 |
| 85 | 4875 | 4876 | SN | 2 | -34.719 | 24.265 | 0.293 | -33.223 | 25.45 | 2.486 | -25.268 | 33.03 | 9.576 | -12.812 | 34.277 | 12.75 | 0.103 | 250.365 | 2.395 | 0.103 | 177.473 | 2.136 | 0.102 | 28.487 | 0.008 | 0.102 | 1.695 | 0.006 |
| 86 | 4876 | 4877 | NS | 2 | -34.965 | 24.158 | 0.992 | -34.249 | 25.247 | 0.681 | 1.182 | 28.487 | 11.607 | 0.543 | 33.918 | 27.531 | 0.103 | 264.995 | 3.711 | 0.103 | 224.668 | 2.662 | 0.103 | 0.158 | 0.0 | 0.102 | 0.167 | 0.0 |
| 87 | 4876 | 4877 | SN | 2 | -34.88 | 24.262 | 0.114 | -34.284 | 27.619 | 3.091 | -7.537 | 29.172 | 12.195 | -1.629 | 31.397 | 22.845 | 0.103 | 259.849 | 4.45 | 0.103 | 226.561 | 3.479 | 0.103 | 0.563 | 0.0 | 0.103 | 0.213 | 0.0 |
| 88 | 4876 | 4877 | NS | 1 | -34.936 | 24.158 | 0.994 | -34.881 | 25.243 | 0.681 | 1.176 | 28.487 | 11.605 | 0.548 | 33.917 | 27.492 | 0.103 | 263.163 | 3.718 | 0.103 | 259.924 | 2.664 | 0.103 | 0.158 | 0.0 | 0.102 | 0.167 | 0.0 |
| 89 | 4876 | 4877 | SN | 1 | -34.813 | 24.262 | 0.099 | -34.473 | 27.619 | 3.041 | -7.51 | 29.171 | 12.191 | -1.63 | 31.401 | 22.841 | 0.103 | 255.867 | 4.438 | 0.103 | 236.625 | 3.472 | 0.103 | 0.56 | 0.0 | 0.103 | 0.213 | 0.0 |
| 90 | 4876 | 4877 | SN | 1 | -34.88 | 24.262 | 0.021 | -34.284 | 27.619 | 0.076 | -7.537 | 29.172 | 13.077 | -1.629 | 31.397 | 23.005 | 0.103 | 259.849 | 4.29 | 0.103 | 226.561 | 3.517 | 0.103 | 0.563 | 0.0 | 0.103 | 0.213 | 0.0 |
| 91 | 4877 | 4878 | SN | 1 | -34.804 | 25.993 | 0.645 | -34.67 | 26.771 | 3.273 | -14.099 | 28.991 | 14.847 | -15.624 | 31.349 | 21.586 | 0.103 | 255.331 | 3.861 | 0.103 | 247.599 | 2.986 | 0.103 | 2.251 | 0.005 | 0.103 | 3.164 | 0.002 |
| 92 | 4877 | 4878 | NS | 1 | -34.707 | 24.478 | 1.155 | -34.482 | 24.864 | 0.587 | -1.455 | 28.14 | 16.975 | -0.625 | 30.47 | 35.559 | 0.103 | 249.692 | 2.426 | 0.103 | 237.092 | 1.75 | 0.103 | 0.208 | 0.0 | 0.103 | 0.189 | 0.0 |
| 93 | 4877 | 4878 | NS | 2 | -34.707 | 24.478 | 1.156 | -34.482 | 24.864 | 0.588 | -1.455 | 28.14 | 16.975 | -0.625 | 30.47 | 35.559 | 0.103 | 249.692 | 2.428 | 0.103 | 237.092 | 1.752 | 0.103 | 0.208 | 0.0 | 0.103 | 0.189 | 0.0 |
| 94 | 4878 | 4879 | NS | 1 | -33.659 | 24.457 | 1.397 | -33.683 | 24.991 | 0.742 | -23.941 | 34.978 | 11.293 | -21.269 | 34.378 | 23.423 | 0.103 | 196.217 | 2.76 | 0.103 | 197.241 | 2.054 | 0.102 | 21.005 | 0.086 | 0.102 | 11.391 | 0.036 |
| 95 | 4878 | 4879 | SN | 1 | -34.816 | 26.353 | 0.331 | -33.455 | 28.197 | 2.826 | -13.197 | 29.245 | 16.491 | -9.594 | 30.626 | 19.54 | 0.103 | 256.061 | 2.235 | 0.103 | 187.213 | 1.738 | 0.103 | 1.844 | 0.006 | 0.103 | 0.851 | 0.0 |
| 96 | 4879 | 4880 | SN | 2 | -34.527 | 24.138 | 0.69 | -34.806 | 26.434 | 4.495 | -28.8 | 29.051 | 13.379 | -14.835 | 30.824 | 14.91 | 0.103 | 239.588 | 2.208 | 0.103 | 255.48 | 1.56 | 0.103 | 64.145 | 0.007 | 0.103 | 2.652 | 0.001 |
| 97 | 4879 | 4880 | NS | 1 | -34.854 | 25.606 | 2.372 | -33.616 | 26.126 | 1.858 | -24.227 | 28.462 | 17.956 | -16.197 | 31.519 | 27.27 | 0.103 | 258.294 | 1.42 | 0.103 | 194.247 | 1.156 | 0.103 | 22.431 | 0.026 | 0.103 | 3.598 | 0.011 |
| 98 | 4879 | 4880 | NS | 1 | -34.854 | 25.606 | 2.372 | -33.616 | 26.126 | 1.858 | -24.227 | 28.462 | 17.131 | -16.197 | 31.519 | 26.354 | 0.103 | 258.294 | 1.42 | 0.103 | 194.247 | 1.156 | 0.103 | 22.431 | 0.026 | 0.103 | 3.598 | 0.011 |
| 99 | 4880 | 4881 | NS | 1 | -34.11 | 25.453 | 1.961 | -34.583 | 26.508 | 1.596 | -22.866 | 27.472 | 15.553 | -24.78 | 30.339 | 37.265 | 0.103 | 217.651 | 2.536 | 0.103 | 242.692 | 2.212 | 0.103 | 16.419 | 0.077 | 0.103 | 25.464 | 0.037 |
| 100 | 4880 | 4881 | SN | 2 | -34.953 | 23.914 | 0.645 | -34.713 | 27.32 | 5.112 | -6.967 | 28.761 | 14.895 | -4.081 | 29.947 | 21.542 | 0.103 | 264.198 | 3.629 | 0.103 | 250.034 | 3.342 | 0.103 | 0.504 | 0.0 | 0.103 | 0.303 | 0.0 |
| 101 | 4880 | 4881 | NS | 1 | -34.11 | 25.453 | 1.961 | -34.583 | 26.508 | 1.596 | -22.866 | 27.472 | 25.83 | -24.78 | 30.34 | 42.336 | 0.103 | 217.651 | 2.536 | 0.103 | 242.692 | 2.212 | 0.103 | 16.419 | 0.06 | 0.103 | 25.464 | 0.03 |
| 102 | 4881 | 4882 | NS | 1 | -34.861 | 25.192 | 1.594 | -34.769 | 24.975 | 0.749 | 8.578 | 28.306 | 26.403 | 9.126 | 30.482 | 40.926 | 0.103 | 258.754 | 2.299 | 0.103 | 253.221 | 2.064 | 0.103 | 0.112 | 0.0 | 0.103 | 0.111 | 0.0 |
| 103 | 4881 | 4882 | NS | 1 | -34.861 | 25.192 | 1.594 | -34.769 | 24.975 | 0.749 | 8.578 | 27.354 | 8.698 | 9.126 | 30.314 | 26.682 | 0.103 | 258.754 | 2.299 | 0.103 | 253.221 | 2.064 | 0.103 | 0.112 | 0.0 | 0.103 | 0.111 | 0.0 |
| 104 | 4881 | 4882 | SN | 1 | -34.154 | 24.367 | 0.338 | -34.847 | 26.678 | 3.335 | -4.981 | 28.547 | 34.165 | -3.692 | 30.846 | 49.234 | 0.103 | 219.9 | 1.535 | 0.103 | 257.943 | 1.25 | 0.103 | 0.352 | 0.0 | 0.103 | 0.285 | 0.0 |
| 105 | 4882 | 4883 | NS | 1 | -34.94 | 24.913 | 1.475 | -34.414 | 27.122 | 0.28 | 7.625 | 25.835 | 2.365 | 8.648 | 30.369 | 3.075 | 0.103 | 263.516 | 3.631 | 0.103 | 233.437 | 2.644 | 0.103 | 0.114 | 0.0 | 0.103 | 0.112 | 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 | 4854 | 4855 | SN | 1 | 57.557 | 58.181 | 0.0 | 0.003 | 1.963 | 0.201 | 1206.624 | 1258.432 | 13.789 | -93.28 | -91.747 | 0.0 |
| 2 | 4854 | 4855 | SN | 1 | 57.543 | 58.181 | 0.0 | 0.003 | 1.963 | 0.201 | 1206.584 | 1258.4 | 13.789 | -93.201 | -91.747 | 0.0 |
| 3 | 4854 | 4855 | SN | 1 | 57.557 | 58.181 | 0.0 | 0.003 | 1.963 | 0.208 | 1206.624 | 1257.2 | 14.325 | -93.28 | -91.747 | 0.0 |
| 4 | 4855 | 4856 | SN | 2 | 57.561 | 58.168 | 0.0 | 0.003 | 1.963 | 0.19 | 1206.52 | 1258.416 | 13.489 | -93.633 | -91.763 | 0.0 |
| 5 | 4855 | 4856 | SN | 1 | 57.561 | 58.168 | 0.0 | 0.003 | 1.963 | 0.194 | 1206.52 | 1258.088 | 13.711 | -93.633 | -91.763 | 0.0 |
| 6 | 4855 | 4856 | SN | 1 | 57.561 | 58.168 | 0.0 | 0.003 | 1.963 | 0.191 | 1206.52 | 1258.416 | 13.498 | -93.633 | -91.763 | 0.0 |
| 7 | 4855 | 4856 | NS | 1 | 57.633 | 58.212 | 0.0 | 0.003 | 1.969 | 0.177 | 1219.808 | 1259.392 | 0.0 | -93.5 | -91.658 | 0.0 |
| 8 | 4855 | 4856 | NS | 1 | 57.633 | 58.212 | 0.0 | 0.003 | 1.969 | 0.176 | 1219.808 | 1259.392 | 0.0 | -93.5 | -91.658 | 0.0 |
| 9 | 4856 | 4857 | SN | 2 | 57.545 | 58.167 | 0.0 | 0.003 | 1.963 | 0.185 | 1205.808 | 1258.024 | 14.899 | -93.456 | -91.762 | 0.0 |
| 10 | 4856 | 4857 | SN | 1 | 57.545 | 58.167 | 0.0 | 0.003 | 1.963 | 0.183 | 1205.808 | 1258.36 | 14.703 | -93.456 | -91.762 | 0.0 |
| 11 | 4856 | 4857 | SN | 1 | 57.545 | 58.167 | 0.0 | 0.003 | 1.963 | 0.185 | 1205.808 | 1258.024 | 14.899 | -93.456 | -91.762 | 0.0 |
| 12 | 4856 | 4857 | NS | 1 | 57.635 | 58.213 | 0.0 | 0.003 | 1.963 | 0.171 | 1219.808 | 1259.336 | 0.0 | -93.614 | -91.675 | 0.0 |
| 13 | 4856 | 4857 | NS | 2 | 57.633 | 58.213 | 0.0 | 0.003 | 1.963 | 0.171 | 1219.712 | 1259.288 | 0.0 | -93.605 | -91.675 | 0.0 |
| 14 | 4857 | 4858 | SN | 2 | 57.541 | 58.185 | 0.0 | 0.003 | 1.963 | 0.186 | 1206.32 | 1258.4 | 15.24 | -93.434 | -91.761 | 0.0 |
| 15 | 4857 | 4858 | SN | 2 | 57.541 | 58.185 | 0.0 | 0.003 | 1.963 | 0.186 | 1206.32 | 1258.4 | 15.249 | -93.434 | -91.761 | 0.0 |
| 16 | 4857 | 4858 | NS | 1 | 57.628 | 58.214 | 0.0 | 0.003 | 285.032 | 0.179 | 1219.744 | 1259.52 | 0.0 | -93.548 | -91.676 | 0.0 |
| 17 | 4857 | 4858 | NS | 1 | 57.628 | 58.214 | 0.0 | 0.003 | 285.032 | 0.179 | 1219.744 | 1259.52 | 0.0 | -93.548 | -91.676 | 0.0 |
| 18 | 4857 | 4858 | SN | 1 | 57.541 | 58.185 | 0.0 | 0.003 | 1.963 | 0.188 | 1206.32 | 1258.032 | 15.481 | -93.434 | -91.761 | 0.0 |
| 19 | 4858 | 4859 | SN | 1 | 57.542 | 58.189 | 0.0 | 0.003 | 1.963 | 0.183 | 1205.696 | 1258.536 | 15.064 | -93.529 | -91.761 | 0.0 |
| 20 | 4858 | 4859 | SN | 2 | 57.542 | 58.189 | 0.0 | 0.003 | 1.963 | 0.183 | 1205.696 | 1258.536 | 15.057 | -93.529 | -91.761 | 0.0 |
| 21 | 4858 | 4859 | NS | 2 | 57.636 | 58.235 | 0.0 | 0.003 | 1.969 | 0.179 | 1219.552 | 1259.304 | 0.0 | -93.969 | -91.65 | 0.0 |
| 22 | 4858 | 4859 | NS | 1 | 57.643 | 58.235 | 0.0 | 0.003 | 1.969 | 0.179 | 1219.56 | 1259.296 | 0.0 | -93.969 | -91.65 | 0.0 |
| 23 | 4858 | 4859 | SN | 1 | 57.542 | 58.189 | 0.0 | 0.003 | 1.963 | 0.188 | 1205.696 | 1257.776 | 15.425 | -93.529 | -91.761 | 0.0 |
| 24 | 4859 | 4860 | NS | 1 | 57.628 | 58.235 | 0.0 | 0.003 | 1.963 | 0.18 | 1219.232 | 1259.392 | 0.0 | -93.638 | -91.683 | 0.0 |
| 25 | 4859 | 4860 | SN | 1 | 57.554 | 58.189 | 0.0 | 0.003 | 1.963 | 0.189 | 1205.904 | 1257.44 | 14.623 | -93.446 | -91.762 | 0.0 |
| 26 | 4859 | 4860 | NS | 1 | 57.623 | 58.225 | 0.0 | 0.003 | 1.963 | 0.18 | 1219.272 | 1259.384 | 0.0 | -93.637 | -91.684 | 0.0 |
| 27 | 4859 | 4860 | SN | 2 | 57.554 | 58.189 | 0.0 | 0.003 | 1.963 | 0.182 | 1205.904 | 1258.632 | 14.104 | -93.446 | -91.762 | 0.0 |
| 28 | 4859 | 4860 | SN | 1 | 57.554 | 58.189 | 0.0 | 0.003 | 1.963 | 0.182 | 1205.904 | 1258.632 | 14.099 | -93.446 | -91.762 | 0.0 |
| 29 | 4860 | 4861 | NS | 1 | 57.615 | 58.226 | 0.0 | 0.003 | 1.969 | 0.179 | 1219.504 | 1259.888 | 0.0 | -93.857 | -91.681 | 0.0 |
| 30 | 4860 | 4861 | SN | 2 | 57.542 | 58.181 | 0.0 | 0.003 | 1.963 | 0.192 | 1206.048 | 1258.632 | 12.403 | -93.508 | -91.749 | 0.0 |
| 31 | 4860 | 4861 | SN | 1 | 57.542 | 58.181 | 0.0 | 0.003 | 1.963 | 0.202 | 1206.048 | 1256.84 | 13.087 | -93.3 | -91.749 | 0.0 |
| 32 | 4860 | 4861 | SN | 2 | 57.542 | 58.181 | 0.0 | 0.003 | 1.963 | 0.192 | 1206.048 | 1258.608 | 12.398 | -93.508 | -91.749 | 0.0 |
| 33 | 4860 | 4861 | NS | 1 | 57.628 | 58.226 | 0.0 | 0.003 | 1.969 | 0.179 | 1219.328 | 1259.88 | 0.0 | -93.835 | -91.682 | 0.0 |
| 34 | 4861 | 4862 | SN | 2 | 57.552 | 58.171 | 0.0 | 0.003 | 1.963 | 0.192 | 1206.808 | 1258.704 | 9.28 | -93.578 | -91.762 | 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 | 4861 | 4862 | SN | 1 | 57.552 | 58.171 | 0.0 | 0.003 | 1.963 | 0.192 | 1206.808 | 1258.664 | 9.286 | -93.578 | -91.762 | 0.0 |
| 36 | 4861 | 4862 | NS | 1 | 57.634 | 58.221 | 0.0 | 0.003 | 1.963 | 0.176 | 1219.28 | 1259.328 | 0.0 | -93.677 | -91.668 | 0.0 |
| 37 | 4862 | 4863 | NS | 1 | 57.625 | 58.237 | 0.0 | 0.003 | 1.963 | 0.18 | 1219.192 | 1259.368 | 0.0 | -93.607 | -91.621 | 0.0 |
| 38 | 4862 | 4863 | NS | 1 | 57.625 | 58.241 | 0.0 | 0.003 | 1.963 | 0.18 | 1219.32 | 1259.368 | 0.0 | -93.638 | -91.621 | 0.0 |
| 39 | 4862 | 4863 | SN | 1 | 57.556 | 58.177 | 0.0 | 0.003 | 1.963 | 0.184 | 1207.192 | 1258.952 | 9.051 | -93.365 | -91.749 | 0.0 |
| 40 | 4862 | 4863 | SN | 2 | 57.556 | 58.177 | 0.0 | 0.003 | 1.963 | 0.184 | 1207.192 | 1258.952 | 9.051 | -93.365 | -91.749 | 0.0 |
| 41 | 4863 | 4864 | SN | 1 | 57.551 | 58.177 | 0.0 | 0.003 | 206.278 | 0.188 | 1206.968 | 1258.992 | 9.847 | -93.482 | -91.77 | 0.0 |
| 42 | 4863 | 4864 | NS | 1 | 57.624 | 58.234 | 0.0 | 0.003 | 1.969 | 0.185 | 1218.896 | 1259.616 | 0.0 | -93.68 | -91.679 | 0.0 |
| 43 | 4863 | 4864 | NS | 1 | 57.624 | 58.234 | 0.0 | 0.003 | 1.969 | 0.185 | 1218.896 | 1259.616 | 0.0 | -93.68 | -91.679 | 0.0 |
| 44 | 4864 | 4865 | SN | 1 | 57.542 | 58.2 | 0.0 | 0.003 | 254.727 | 0.192 | 1206.72 | 1258.768 | 9.897 | -93.462 | -91.769 | 0.0 |
| 45 | 4864 | 4865 | NS | 1 | 57.621 | 58.213 | 0.0 | 0.003 | 1.969 | 0.178 | 1218.872 | 1259.68 | 0.0 | -94.114 | -91.678 | 0.0 |
| 46 | 4865 | 4866 | SN | 1 | 57.544 | 58.19 | 0.0 | 0.003 | 1.969 | 0.186 | 1207.408 | 1258.56 | 9.801 | -93.502 | -91.753 | 0.0 |
| 47 | 4865 | 4866 | NS | 1 | 57.651 | 58.233 | 0.0 | 0.003 | 1.963 | 0.174 | 1218.304 | 1259.432 | 0.0 | -93.668 | -91.676 | 0.0 |
| 48 | 4866 | 4867 | NS | 1 | 57.638 | 58.232 | 0.0 | 0.003 | 1.969 | 0.173 | 1218.552 | 1259.4 | 0.0 | -93.62 | -91.674 | 0.0 |
| 49 | 4866 | 4867 | NS | 1 | 57.638 | 58.232 | 0.0 | 0.003 | 1.969 | 0.178 | 1218.552 | 1259.4 | 0.0 | -93.62 | -91.674 | 0.0 |
| 50 | 4866 | 4867 | SN | 1 | 57.559 | 58.176 | 0.0 | 0.003 | 1.963 | 0.189 | 1206.808 | 1258.48 | 8.807 | -93.558 | -91.77 | 0.0 |
| 51 | 4867 | 4868 | NS | 1 | 57.627 | 58.239 | 0.0 | 0.003 | 1.963 | 0.162 | 1217.824 | 1259.112 | 0.0 | -93.616 | -91.672 | 0.0 |
| 52 | 4869 | 4870 | NS | 1 | 57.618 | 58.209 | 0.0 | 0.003 | 1.969 | 0.183 | 1217.504 | 1259.512 | 0.0 | -93.771 | -91.663 | 0.0 |
| 53 | 4869 | 4870 | NS | 1 | 57.618 | 58.209 | 0.0 | 0.003 | 1.969 | 0.183 | 1217.504 | 1259.512 | 0.0 | -93.771 | -91.663 | 0.0 |
| 54 | 4869 | 4870 | SN | 1 | 57.578 | 58.18 | 0.0 | 0.003 | 1.963 | 0.209 | 1207.752 | 1258.64 | 8.0 | -93.776 | -91.72 | 0.0 |
| 55 | 4869 | 4870 | SN | 2 | 57.578 | 58.18 | 0.0 | 0.003 | 1.963 | 0.204 | 1207.752 | 1258.808 | 7.82 | -93.776 | -91.72 | 0.0 |
| 56 | 4869 | 4870 | SN | 2 | 57.578 | 58.18 | 0.0 | 0.003 | 1.963 | 0.204 | 1207.752 | 1258.808 | 7.819 | -93.776 | -91.72 | 0.0 |
| 57 | 4870 | 4871 | SN | 1 | 57.561 | 58.193 | 0.0 | 0.003 | 1.963 | 0.187 | 1207.064 | 1258.808 | 7.944 | -93.642 | -91.773 | 0.0 |
| 58 | 4870 | 4871 | NS | 1 | 57.623 | 58.211 | 0.0 | 0.003 | 1.963 | 0.171 | 1217.96 | 1259.416 | 0.0 | -93.702 | -91.664 | 0.0 |
| 59 | 4870 | 4871 | NS | 2 | 57.623 | 58.211 | 0.0 | 0.003 | 1.963 | 0.171 | 1218.184 | 1259.408 | 0.0 | -93.702 | -91.664 | 0.0 |
| 60 | 4870 | 4871 | SN | 1 | 57.561 | 58.193 | 0.0 | 0.003 | 1.963 | 0.189 | 1207.064 | 1258.536 | 8.048 | -93.642 | -91.773 | 0.0 |
| 61 | 4870 | 4871 | SN | 2 | 57.561 | 58.193 | 0.0 | 0.003 | 1.963 | 0.189 | 1207.064 | 1258.536 | 8.048 | -93.642 | -91.773 | 0.0 |
| 62 | 4871 | 4872 | SN | 1 | 57.546 | 58.182 | 0.0 | 0.003 | 1.963 | 0.185 | 1207.296 | 1258.504 | 8.537 | -93.529 | -91.771 | 0.0 |
| 63 | 4871 | 4872 | SN | 2 | 57.546 | 58.182 | 0.0 | 0.003 | 1.963 | 0.183 | 1207.296 | 1258.816 | 8.43 | -93.529 | -91.771 | 0.0 |
| 64 | 4871 | 4872 | NS | 1 | 57.626 | 58.21 | 0.0 | 0.003 | 1.969 | 0.173 | 1218.376 | 1259.368 | 0.0 | -93.504 | -91.665 | 0.0 |
| 65 | 4871 | 4872 | SN | 1 | 57.546 | 58.182 | 0.0 | 0.003 | 1.963 | 0.183 | 1207.296 | 1258.8 | 8.427 | -93.529 | -91.771 | 0.0 |
| 66 | 4872 | 4873 | SN | 2 | 57.56 | 58.192 | 0.0 | 0.003 | 1.963 | 0.184 | 1207.576 | 1258.792 | 8.471 | -93.458 | -91.77 | 0.0 |
| 67 | 4872 | 4873 | NS | 1 | 57.621 | 58.233 | 0.0 | 0.003 | 1.969 | 0.179 | 1218.656 | 1259.384 | 0.0 | -93.792 | -91.668 | 0.0 |
| 68 | 4872 | 4873 | NS | 1 | 57.643 | 58.221 | 0.0 | 0.003 | 1.969 | 0.179 | 1218.672 | 1259.392 | 0.0 | -93.711 | -91.668 | 0.0 |
| 69 | 4872 | 4873 | SN | 2 | 57.56 | 58.192 | 0.0 | 0.003 | 1.963 | 0.184 | 1207.576 | 1258.784 | 8.466 | -93.458 | -91.77 | 0.0 |
| 70 | 4872 | 4873 | SN | 1 | 57.56 | 58.192 | 0.0 | 0.003 | 1.963 | 0.187 | 1207.576 | 1258.24 | 8.63 | -93.458 | -91.77 | 0.0 |
| 71 | 4873 | 4874 | NS | 2 | 57.62 | 58.231 | 0.0 | 0.003 | 1.963 | 0.181 | 1217.968 | 1259.376 | 0.0 | -93.632 | -91.653 | 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 |

| | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|--------|--------|-----|-------|--------|-------|----------|----------|-------|---------|---------|-----|
| 72 | 4873 | 4874 | SN | 1 | 57.577 | 58.191 | 0.0 | 0.003 | 1.963 | 0.182 | 1207.688 | 1258.848 | 8.151 | -93.437 | -91.771 | 0.0 |
| 73 | 4873 | 4874 | SN | 2 | 57.577 | 58.191 | 0.0 | 0.003 | 1.963 | 0.182 | 1207.688 | 1258.88 | 8.146 | -93.437 | -91.771 | 0.0 |
| 74 | 4873 | 4874 | SN | 1 | 57.577 | 58.191 | 0.0 | 0.003 | 1.963 | 0.188 | 1207.688 | 1258.016 | 8.401 | -93.437 | -91.771 | 0.0 |
| 75 | 4873 | 4874 | NS | 1 | 57.622 | 58.222 | 0.0 | 0.003 | 1.963 | 0.181 | 1217.944 | 1259.392 | 0.0 | -93.659 | -91.652 | 0.0 |
| 76 | 4874 | 4875 | NS | 1 | 57.62 | 58.211 | 0.0 | 0.003 | 1.969 | 0.182 | 1217.592 | 1259.576 | 0.0 | -93.658 | -91.671 | 0.0 |
| 77 | 4874 | 4875 | SN | 1 | 57.55 | 58.193 | 0.0 | 0.003 | 1.963 | 0.185 | 1207.016 | 1258.864 | 7.471 | -93.385 | -91.771 | 0.0 |
| 78 | 4874 | 4875 | SN | 1 | 57.55 | 58.193 | 0.0 | 0.003 | 1.963 | 0.193 | 1207.016 | 1257.656 | 7.82 | -93.385 | -91.771 | 0.0 |
| 79 | 4874 | 4875 | SN | 2 | 57.55 | 58.193 | 0.0 | 0.003 | 1.963 | 0.184 | 1207.016 | 1258.896 | 7.474 | -93.385 | -91.771 | 0.0 |
| 80 | 4874 | 4875 | NS | 1 | 57.619 | 58.219 | 0.0 | 0.003 | 1.963 | 0.183 | 1217.928 | 1259.664 | 0.0 | -93.659 | -91.672 | 0.0 |
| 81 | 4875 | 4876 | SN | 1 | 57.576 | 58.181 | 0.0 | 0.003 | 1.963 | 0.194 | 1208.088 | 1258.84 | 5.748 | -93.229 | -91.744 | 0.0 |
| 82 | 4875 | 4876 | NS | 1 | 57.626 | 58.24 | 0.0 | 0.003 | 1.969 | 0.178 | 1217.688 | 1259.68 | 0.0 | -93.619 | -91.67 | 0.0 |
| 83 | 4875 | 4876 | NS | 1 | 57.622 | 58.228 | 0.0 | 0.003 | 1.969 | 0.178 | 1217.6 | 1259.512 | 0.0 | -93.739 | -91.67 | 0.0 |
| 84 | 4875 | 4876 | SN | 1 | 57.578 | 58.179 | 0.0 | 0.003 | 1.963 | 0.208 | 1207.76 | 1256.888 | 6.041 | -93.303 | -91.744 | 0.0 |
| 85 | 4875 | 4876 | SN | 2 | 57.578 | 58.179 | 0.0 | 0.003 | 1.963 | 0.194 | 1207.76 | 1258.84 | 5.638 | -93.303 | -91.744 | 0.0 |
| 86 | 4876 | 4877 | NS | 2 | 57.644 | 58.207 | 0.0 | 0.003 | 1.963 | 0.179 | 1217.992 | 1259.376 | 0.0 | -93.665 | -91.663 | 0.0 |
| 87 | 4876 | 4877 | SN | 2 | 57.561 | 58.18 | 0.0 | 0.003 | 1.969 | 0.187 | 1208.344 | 1259.024 | 4.143 | -93.516 | -91.762 | 0.0 |
| 88 | 4876 | 4877 | NS | 1 | 57.643 | 58.21 | 0.0 | 0.003 | 1.963 | 0.178 | 1218.056 | 1259.424 | 0.0 | -93.653 | -91.662 | 0.0 |
| 89 | 4876 | 4877 | SN | 1 | 57.563 | 58.184 | 0.0 | 0.003 | 1.969 | 0.189 | 1207.632 | 1258.992 | 4.259 | -93.516 | -91.761 | 0.0 |
| 90 | 4876 | 4877 | SN | 1 | 57.561 | 58.18 | 0.0 | 0.003 | 1.969 | 0.205 | 1208.344 | 1255.768 | 4.526 | -93.464 | -91.762 | 0.0 |
| 91 | 4877 | 4878 | SN | 1 | 57.553 | 58.204 | 0.0 | 0.003 | 1.963 | 0.185 | 1208.16 | 1259.264 | 4.821 | -93.533 | -91.779 | 0.0 |
| 92 | 4877 | 4878 | NS | 1 | 57.618 | 58.208 | 0.0 | 0.003 | 35.075 | 0.229 | 1217.552 | 1259.536 | 0.0 | -93.764 | -91.665 | 0.0 |
| 93 | 4877 | 4878 | NS | 2 | 57.618 | 58.208 | 0.0 | 0.003 | 35.075 | 0.229 | 1217.552 | 1259.536 | 0.0 | -93.764 | -91.665 | 0.0 |
| 94 | 4878 | 4879 | NS | 1 | 57.619 | 58.211 | 0.0 | 0.003 | 35.186 | 0.222 | 1217.704 | 1259.776 | 0.0 | -93.792 | -91.668 | 0.0 |
| 95 | 4878 | 4879 | SN | 1 | 57.551 | 58.196 | 0.0 | 0.003 | 2.476 | 0.2 | 1208.344 | 1259.192 | 5.04 | -93.403 | -91.778 | 0.0 |
| 96 | 4879 | 4880 | SN | 2 | 57.563 | 58.198 | 0.0 | 0.003 | 1.969 | 0.19 | 1207.856 | 1258.976 | 4.848 | -93.54 | -91.749 | 0.0 |
| 97 | 4879 | 4880 | NS | 1 | 57.61 | 58.209 | 0.0 | 0.003 | 33.548 | 0.217 | 1217.024 | 1259.664 | 0.0 | -93.619 | -91.667 | 0.0 |
| 98 | 4879 | 4880 | NS | 1 | 57.61 | 58.209 | 0.0 | 0.003 | 33.548 | 0.216 | 1217.024 | 1259.664 | 0.0 | -93.619 | -91.667 | 0.0 |
| 99 | 4880 | 4881 | NS | 1 | 57.629 | 58.22 | 0.0 | 0.003 | 1.969 | 0.17 | 1217.272 | 1259.408 | 0.0 | -93.54 | -91.665 | 0.0 |
| 100 | 4880 | 4881 | SN | 2 | 57.567 | 58.203 | 0.0 | 0.003 | 1.963 | 0.187 | 1208.616 | 1258.816 | 4.427 | -93.468 | -91.762 | 0.0 |
| 101 | 4880 | 4881 | NS | 1 | 57.629 | 58.22 | 0.0 | 0.003 | 1.969 | 0.176 | 1217.272 | 1259.408 | 0.0 | -93.54 | -91.665 | 0.0 |
| 102 | 4881 | 4882 | NS | 1 | 57.631 | 58.232 | 0.0 | 0.003 | 241.75 | 0.178 | 1217.392 | 1259.224 | 0.0 | -93.657 | -91.663 | 0.0 |
| 103 | 4881 | 4882 | NS | 1 | 57.631 | 58.232 | 0.0 | 0.003 | 241.75 | 0.167 | 1217.392 | 1259.224 | 0.0 | -93.657 | -91.663 | 0.0 |
| 104 | 4881 | 4882 | SN | 1 | 57.552 | 58.18 | 0.0 | 0.003 | 1.963 | 0.184 | 1208.224 | 1258.752 | 3.887 | -93.504 | -91.78 | 0.0 |
| 105 | 4882 | 4883 | NS | 1 | 57.639 | 58.214 | 0.0 | 0.003 | 1.963 | 0.162 | 1216.704 | 1259.12 | 0.0 | -93.631 | -91.662 | 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 | 4854 | 4855 | SN | 1 | -33.956 | 19.291 | 0.0 | -34.589 | 20.277 | 0.0 | -24.688 | 23.167 | 0.055 | -30.881 | 23.71 | 0.078 | 0.083 | 171.53 | 1.768 | 0.083 | 198.426 | 1.49 | 0.083 | 20.357 | 0.044 | 0.083 | 84.522 | 0.026 |
| 2 | 4854 | 4855 | SN | 1 | -34.66 | 19.294 | 0.0 | -32.85 | 20.277 | 0.0 | -24.105 | 23.165 | 0.056 | -29.667 | 23.71 | 0.077 | 0.083 | 201.733 | 1.766 | 0.083 | 132.987 | 1.478 | 0.083 | 17.811 | 0.046 | 0.083 | 63.925 | 0.026 |
| 3 | 4854 | 4855 | SN | 1 | -33.956 | 19.291 | 0.0 | -34.589 | 20.277 | 0.0 | -24.688 | 23.167 | 0.055 | -30.881 | 23.71 | 0.078 | 0.083 | 171.53 | 1.805 | 0.083 | 198.426 | 1.451 | 0.083 | 20.357 | 0.045 | 0.083 | 84.522 | 0.026 |
| 4 | 4855 | 4856 | SN | 2 | -34.812 | 19.208 | 0.0 | -34.809 | 20.36 | 0.0 | -24.243 | 23.075 | 0.129 | -15.908 | 24.984 | 0.36 | 0.083 | 208.869 | 1.042 | 0.083 | 208.74 | 0.928 | 0.083 | 18.383 | 0.005 | 0.083 | 2.751 | 0.006 |
| 5 | 4855 | 4856 | SN | 1 | -34.812 | 19.208 | 0.0 | -34.809 | 20.36 | 0.0 | -24.243 | 23.075 | 0.129 | -15.908 | 24.984 | 0.36 | 0.083 | 208.869 | 1.026 | 0.083 | 208.74 | 0.932 | 0.083 | 18.383 | 0.005 | 0.083 | 2.751 | 0.006 |
| 6 | 4855 | 4856 | SN | 1 | -34.812 | 19.208 | 0.0 | -34.809 | 20.36 | 0.0 | -24.243 | 23.075 | 0.129 | -15.908 | 24.984 | 0.36 | 0.083 | 208.869 | 1.039 | 0.083 | 208.74 | 0.927 | 0.083 | 18.383 | 0.005 | 0.083 | 2.751 | 0.006 |
| 7 | 4855 | 4856 | NS | 1 | -34.343 | 21.033 | 0.0 | -34.617 | 22.138 | 0.003 | -2.51 | 23.335 | 0.037 | -1.511 | 25.892 | 0.531 | 0.083 | 187.514 | 1.573 | 0.083 | 199.728 | 1.257 | 0.083 | 0.199 | 0.0 | 0.083 | 0.17 | 0.0 |
| 8 | 4855 | 4856 | NS | 1 | -34.343 | 21.033 | 0.0 | -34.617 | 22.138 | 0.003 | -2.51 | 23.335 | 0.037 | -1.511 | 25.892 | 0.53 | 0.083 | 187.514 | 1.573 | 0.083 | 199.728 | 1.257 | 0.083 | 0.199 | 0.0 | 0.083 | 0.17 | 0.0 |
| 9 | 4856 | 4857 | SN | 2 | -34.722 | 18.389 | 0.0 | -34.985 | 19.281 | 0.0 | -20.76 | 23.707 | 0.563 | -14.951 | 24.05 | 1.103 | 0.083 | 204.633 | 2.234 | 0.083 | 217.36 | 1.832 | 0.083 | 8.279 | 0.019 | 0.083 | 2.221 | 0.004 |
| 10 | 4856 | 4857 | SN | 1 | -34.722 | 18.385 | 0.0 | -34.985 | 19.281 | 0.0 | -20.76 | 23.707 | 0.563 | -14.951 | 24.05 | 1.103 | 0.083 | 204.633 | 2.258 | 0.083 | 217.36 | 1.888 | 0.083 | 8.279 | 0.019 | 0.083 | 2.221 | 0.004 |
| 11 | 4856 | 4857 | SN | 1 | -34.722 | 18.389 | 0.0 | -34.985 | 19.281 | 0.0 | -20.76 | 23.707 | 0.563 | -14.951 | 24.05 | 1.103 | 0.083 | 204.633 | 2.234 | 0.083 | 217.36 | 1.832 | 0.083 | 8.279 | 0.019 | 0.083 | 2.221 | 0.004 |
| 12 | 4856 | 4857 | NS | 1 | -34.117 | 18.493 | 0.0 | -32.835 | 17.571 | 0.0 | -10.408 | 22.952 | 0.059 | -24.908 | 24.024 | 0.47 | 0.083 | 178.013 | 0.784 | 0.083 | 132.522 | 0.501 | 0.083 | 0.823 | 0.0 | 0.083 | 21.957 | 0.031 |
| 13 | 4856 | 4857 | NS | 2 | -34.413 | 18.493 | 0.0 | -33.123 | 17.571 | 0.0 | -10.409 | 22.952 | 0.059 | -25.513 | 24.022 | 0.469 | 0.083 | 190.536 | 0.785 | 0.083 | 141.572 | 0.501 | 0.083 | 0.823 | 0.0 | 0.083 | 24.601 | 0.031 |
| 14 | 4857 | 4858 | SN | 2 | -34.942 | 17.859 | 0.0 | -34.441 | 18.971 | 0.0 | 2.18 | 22.908 | 0.133 | 2.007 | 23.224 | 0.377 | 0.083 | 215.24 | 3.808 | 0.083 | 191.755 | 3.237 | 0.083 | 0.118 | 0.0 | 0.083 | 0.119 | 0.0 |
| 15 | 4857 | 4858 | SN | 2 | -34.942 | 17.859 | 0.0 | -34.441 | 18.971 | 0.0 | 2.18 | 22.908 | 0.133 | 2.007 | 23.224 | 0.377 | 0.083 | 215.24 | 3.81 | 0.083 | 191.755 | 3.235 | 0.083 | 0.118 | 0.0 | 0.083 | 0.119 | 0.0 |
| 16 | 4857 | 4858 | NS | 1 | -34.826 | 17.959 | 0.0 | -34.526 | 17.379 | 0.0 | -31.753 | 22.662 | 0.037 | -29.578 | 23.982 | 0.382 | 0.083 | 209.534 | 1.52 | 0.084 | 195.584 | 1.336 | 0.083 | 103.308 | 0.154 | 0.083 | 62.644 | 0.152 |
| 17 | 4857 | 4858 | NS | 1 | -34.826 | 17.959 | 0.0 | -34.526 | 17.379 | 0.0 | -31.753 | 22.662 | 0.037 | -29.578 | 23.982 | 0.382 | 0.083 | 209.534 | 1.517 | 0.084 | 195.584 | 1.334 | 0.083 | 103.308 | 0.154 | 0.083 | 62.644 | 0.152 |
| 18 | 4857 | 4858 | SN | 1 | -34.942 | 17.859 | 0.0 | -34.441 | 18.971 | 0.0 | 2.18 | 22.908 | 0.133 | 2.007 | 23.224 | 0.384 | 0.083 | 215.24 | 3.83 | 0.083 | 191.755 | 3.277 | 0.083 | 0.118 | 0.0 | 0.083 | 0.119 | 0.0 |
| 19 | 4858 | 4859 | SN | 1 | -34.662 | 18.394 | 0.0 | -34.666 | 18.586 | 0.0 | 1.283 | 22.707 | 0.205 | 3.831 | 23.637 | 1.435 | 0.083 | 206.87 | 2.3 | 0.083 | 202.013 | 1.959 | 0.083 | 0.126 | 0.0 | 0.083 | 0.106 | 0.0 |
| 20 | 4858 | 4859 | SN | 2 | -34.662 | 18.394 | 0.0 | -34.666 | 18.586 | 0.0 | 1.283 | 22.707 | 0.205 | 3.831 | 23.637 | 1.432 | 0.083 | 206.87 | 2.3 | 0.083 | 202.013 | 1.961 | 0.083 | 0.126 | 0.0 | 0.083 | 0.106 | 0.0 |
| 21 | 4858 | 4859 | NS | 2 | -34.687 | 17.856 | 0.0 | -32.974 | 18.267 | 0.0 | -16.361 | 23.386 | 0.15 | -13.731 | 23.911 | 0.342 | 0.083 | 202.951 | 0.977 | 0.083 | 136.819 | 0.953 | 0.083 | 3.047 | 0.004 | 0.083 | 1.692 | 0.002 |
| 22 | 4858 | 4859 | NS | 1 | -34.222 | 17.856 | 0.0 | -33.565 | 18.267 | 0.0 | -16.364 | 23.386 | 0.15 | -13.731 | 23.911 | 0.342 | 0.083 | 182.384 | 0.975 | 0.083 | 156.74 | 0.953 | 0.083 | 3.049 | 0.004 | 0.083 | 1.692 | 0.002 |
| 23 | 4858 | 4859 | SN | 1 | -34.662 | 18.394 | 0.0 | -34.666 | 18.586 | 0.0 | 1.283 | 22.707 | 0.209 | 3.831 | 23.637 | 1.541 | 0.083 | 206.87 | 2.299 | 0.083 | 202.013 | 1.994 | 0.083 | 0.126 | 0.0 | 0.083 | 0.106 | 0.0 |
| 24 | 4859 | 4860 | NS | 1 | -34.792 | 17.758 | 0.0 | -34.821 | 18.212 | 0.0 | -17.329 | 22.879 | 0.049 | -25.603 | 23.603 | 0.35 | 0.083 | 207.91 | 3.951 | 0.083 | 209.34 | 3.766 | 0.083 | 3.792 | 0.014 | 0.083 | 25.118 | 0.019 |
| 25 | 4859 | 4860 | SN | 1 | -34.567 | 17.74 | 0.0 | -34.993 | 18.369 | 0.0 | 1.337 | 22.288 | 0.033 | 3.62 | 23.713 | 0.603 | 0.083 | 197.472 | 2.787 | 0.083 | 217.737 | 2.429 | 0.083 | 0.126 | 0.0 | 0.083 | 0.107 | 0.0 |
| 26 | 4859 | 4860 | NS | 1 | -34.773 | 17.758 | 0.0 | -34.793 | 18.212 | 0.0 | -17.311 | 22.877 | 0.049 | -25.982 | 23.603 | 0.35 | 0.083 | 207.004 | 3.946 | 0.083 | 207.989 | 3.761 | 0.083 | 3.776 | 0.014 | 0.083 | 27.399 | 0.019 |
| 27 | 4859 | 4860 | SN | 2 | -34.567 | 17.74 | 0.0 | -34.993 | 18.812 | 0.0 | 1.337 | 22.288 | 0.03 | 3.62 | 23.713 | 0.589 | 0.083 | 197.472 | 2.758 | 0.083 | 217.737 | 2.382 | 0.083 | 0.126 | 0.0 | 0.083 | 0.107 | 0.0 |
| 28 | 4859 | 4860 | SN | 1 | -34.567 | 17.74 | 0.0 | -34.993 | 18.812 | 0.0 | 1.337 | 22.288 | 0.03 | 3.62 | 23.713 | 0.589 | 0.083 | 197.472 | 2.758 | 0.083 | 217.737 | 2.379 | 0.083 | 0.126 | 0.0 | 0.083 | 0.107 | 0.0 |
| 29 | 4860 | 4861 | NS | 1 | -34.909 | 18.595 | 0.0 | -34.544 | 19.978 | 0.0 | -33.72 | 23.467 | 0.536 | -24.433 | 24.565 | 1.424 | 0.083 | 213.596 | 1.869 | 0.083 | 196.365 | 1.661 | 0.083 | 162.438 | 0.086 | 0.083 | 19.204 | 0.135 |
| 30 | 4860 | 4861 | SN | 2 | -34.997 | 17.126 | 0.0 | -34.917 | 18.583 | 0.0 | 1.269 | 23.573 | 0.465 | 6.173 | 24.028 | 0.92 | 0.084 | 217.993 | 3.82 | 0.083 | 213.982 | 3.468 | 0.083 | 0.127 | 0.0 | 0.083 | 0.096 | 0.0 |
| 31 | 4860 | 4861 | SN | 1 | -34.997 | 17.126 | 0.0 | -34.917 | 18.306 | 0.0 | 1.269 | 23.573 | 0.499 | 6.575 | 24.028 | 0.922 | 0.084 | 217.993 | 3.919 | 0.083 | 213.982 | 3.635 | 0.083 | 0.127 | 0.0 | 0.083 | 0.095 | 0.0 |
| 32 | 4860 | 4861 | SN | 2 | -34.997 | 17.126 | 0.0 | -34.917 | 18.583 | 0.0 | 1.269 | 23.573 | 0.464 | 6.173 | 24.028 | 0.936 | 0.084 | 217.993 | 3.819 | 0.083 | 213.982 | 3.47 | 0.083 | 0.127 | 0.0 | 0.083 | 0.096 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|---------|--------|-----|---------|--------|-------|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|
| 33 | 4860 | 4861 | NS | 1 | -34.738 | 18.601 | 0.0 | -34.238 | 19.978 | 0.0 | -33.364 | 23.465 | 0.537 | -24.336 | 24.565 | 1.429 | 0.083 | 205.332 | 1.874 | 0.083 | 183.026 | 1.659 | 0.083 | 149.671 | 0.081 | 0.083 | 18.777 | 0.135 |
| 34 | 4861 | 4862 | SN | 2 | -34.434 | 18.847 | 0.0 | -34.994 | 18.962 | 0.0 | -7.128 | 24.495 | 1.005 | -5.581 | 25.219 | 2.204 | 0.083 | 191.464 | 4.127 | 0.083 | 217.818 | 3.381 | 0.083 | 0.423 | 0.0 | 0.083 | 0.317 | 0.0 |
| 35 | 4861 | 4862 | SN | 1 | -34.434 | 18.847 | 0.0 | -34.994 | 18.962 | 0.0 | -7.128 | 24.495 | 1.005 | -5.581 | 25.219 | 2.204 | 0.083 | 191.464 | 4.135 | 0.083 | 217.818 | 3.382 | 0.083 | 0.423 | 0.0 | 0.083 | 0.317 | 0.0 |
| 36 | 4861 | 4862 | NS | 1 | -34.64 | 19.38 | 0.0 | -34.847 | 19.868 | 0.0 | 2.197 | 23.066 | 0.167 | 2.848 | 24.366 | 1.153 | 0.083 | 200.809 | 2.606 | 0.083 | 210.623 | 2.332 | 0.083 | 0.118 | 0.0 | 0.083 | 0.112 | 0.0 |
| 37 | 4862 | 4863 | NS | 1 | -34.877 | 17.765 | 0.0 | -34.58 | 18.434 | 0.0 | 0.706 | 22.364 | 0.015 | -3.358 | 24.502 | 1.989 | 0.083 | 212.035 | 2.4 | 0.083 | 197.989 | 1.867 | 0.083 | 0.133 | 0.0 | 0.083 | 0.219 | 0.0 |
| 38 | 4862 | 4863 | NS | 1 | -34.835 | 17.765 | 0.0 | -34.045 | 18.434 | 0.0 | 0.703 | 22.364 | 0.015 | -3.357 | 24.502 | 2.002 | 0.083 | 210.022 | 2.399 | 0.083 | 175.029 | 1.869 | 0.083 | 0.133 | 0.0 | 0.083 | 0.219 | 0.0 |
| 39 | 4862 | 4863 | SN | 1 | -33.543 | 18.345 | 0.0 | -33.741 | 20.136 | 0.0 | -22.119 | 23.595 | 0.409 | -17.119 | 24.689 | 1.343 | 0.083 | 156.002 | 1.069 | 0.083 | 163.273 | 1.371 | 0.083 | 11.294 | 0.052 | 0.083 | 3.616 | 0.004 |
| 40 | 4862 | 4863 | SN | 2 | -33.543 | 18.345 | 0.0 | -33.741 | 20.136 | 0.0 | -22.119 | 23.595 | 0.409 | -17.119 | 24.689 | 1.343 | 0.083 | 156.002 | 1.069 | 0.083 | 163.273 | 1.371 | 0.083 | 11.294 | 0.052 | 0.083 | 3.616 | 0.004 |
| 41 | 4863 | 4864 | SN | 1 | -32.287 | 21.646 | 0.0 | -34.897 | 21.697 | 0.0 | -9.067 | 23.238 | 0.394 | -6.194 | 23.43 | 0.469 | 0.083 | 116.819 | 1.295 | 0.083 | 212.969 | 1.467 | 0.083 | 0.622 | 0.0 | 0.083 | 0.355 | 0.0 |
| 42 | 4863 | 4864 | NS | 1 | -34.298 | 18.626 | 0.0 | -34.261 | 18.94 | 0.0 | -8.004 | 22.642 | 0.045 | -5.703 | 24.885 | 3.531 | 0.083 | 185.554 | 2.153 | 0.083 | 183.975 | 1.813 | 0.083 | 0.502 | 0.0 | 0.083 | 0.324 | 0.0 |
| 43 | 4863 | 4864 | NS | 1 | -34.298 | 18.626 | 0.0 | -34.261 | 18.94 | 0.0 | -8.004 | 22.642 | 0.045 | -5.703 | 24.885 | 3.53 | 0.083 | 185.554 | 2.153 | 0.083 | 183.975 | 1.814 | 0.083 | 0.502 | 0.0 | 0.083 | 0.324 | 0.0 |
| 44 | 4864 | 4865 | SN | 1 | -34.821 | 20.761 | 0.0 | -34.722 | 22.501 | 0.004 | -28.531 | 23.908 | 0.415 | -28.649 | 24.44 | 0.29 | 0.083 | 209.337 | 1.713 | 0.083 | 204.613 | 1.357 | 0.083 | 49.234 | 0.107 | 0.083 | 50.577 | 0.022 |
| 45 | 4864 | 4865 | NS | 1 | -34.671 | 19.021 | 0.0 | -34.911 | 19.632 | 0.0 | -8.586 | 22.522 | 0.05 | -20.629 | 24.734 | 3.07 | 0.083 | 202.197 | 1.728 | 0.083 | 213.662 | 1.542 | 0.083 | 0.564 | 0.0 | 0.083 | 8.034 | 0.002 |
| 46 | 4865 | 4866 | SN | 1 | -34.1 | 17.898 | 0.0 | -33.811 | 20.028 | 0.0 | -29.196 | 23.737 | 0.378 | -19.028 | 23.79 | 0.353 | 0.083 | 177.293 | 2.046 | 0.083 | 165.866 | 1.649 | 0.083 | 57.362 | 0.05 | 0.083 | 5.576 | 0.051 |
| 47 | 4865 | 4866 | NS | 1 | -34.98 | 18.832 | 0.0 | -34.45 | 18.85 | 0.0 | -0.182 | 22.832 | 0.274 | 0.696 | 24.474 | 4.111 | 0.083 | 217.177 | 1.952 | 0.083 | 192.154 | 1.838 | 0.083 | 0.145 | 0.0 | 0.083 | 0.133 | 0.0 |
| 48 | 4866 | 4867 | NS | 1 | -34.79 | 18.781 | 0.0 | -34.66 | 18.144 | 0.0 | -5.252 | 21.695 | 0.0 | -5.505 | 24.646 | 4.999 | 0.083 | 207.844 | 2.12 | 0.083 | 201.705 | 1.797 | 0.083 | 0.299 | 0.0 | 0.083 | 0.321 | 0.0 |
| 49 | 4866 | 4867 | NS | 1 | -34.79 | 18.781 | 0.0 | -34.66 | 18.144 | 0.0 | -5.252 | 22.268 | 0.012 | -5.505 | 24.646 | 4.352 | 0.083 | 207.844 | 2.12 | 0.083 | 201.705 | 1.797 | 0.083 | 0.299 | 0.0 | 0.083 | 0.321 | 0.0 |
| 50 | 4866 | 4867 | SN | 1 | -34.838 | 17.706 | 0.0 | -34.977 | 20.388 | 0.0 | -16.597 | 23.666 | 0.592 | -21.119 | 23.948 | 0.804 | 0.083 | 210.159 | 5.308 | 0.083 | 217.024 | 4.131 | 0.083 | 3.215 | 0.018 | 0.083 | 8.988 | 0.018 |
| 51 | 4867 | 4868 | NS | 1 | -34.997 | 19.059 | 0.0 | -34.523 | 21.173 | 0.0 | 6.04 | 21.686 | 0.0 | 4.289 | 24.386 | 1.808 | 0.083 | 217.956 | 3.018 | 0.083 | 195.434 | 2.951 | 0.083 | 0.096 | 0.0 | 0.083 | 0.104 | 0.0 |
| 52 | 4869 | 4870 | NS | 1 | -34.79 | 21.213 | 0.0 | -34.728 | 22.33 | 0.001 | 3.068 | 24.228 | 0.108 | 2.553 | 25.594 | 0.809 | 0.083 | 207.805 | 3.738 | 0.083 | 204.892 | 3.375 | 0.083 | 0.111 | 0.0 | 0.083 | 0.115 | 0.0 |
| 53 | 4869 | 4870 | NS | 1 | -34.79 | 21.213 | 0.0 | -34.728 | 22.33 | 0.001 | 3.068 | 24.228 | 0.109 | 2.553 | 25.594 | 0.809 | 0.083 | 207.805 | 3.74 | 0.083 | 204.892 | 3.379 | 0.083 | 0.111 | 0.0 | 0.083 | 0.115 | 0.0 |
| 54 | 4869 | 4870 | SN | 1 | -34.62 | 19.25 | 0.0 | -34.843 | 20.571 | 0.0 | -31.039 | 23.312 | 0.153 | -20.974 | 24.542 | 0.304 | 0.083 | 199.873 | 2.246 | 0.083 | 210.382 | 1.992 | 0.083 | 87.656 | 0.012 | 0.083 | 8.692 | 0.008 |
| 55 | 4869 | 4870 | SN | 2 | -34.62 | 19.25 | 0.0 | -34.843 | 20.571 | 0.0 | -31.039 | 23.312 | 0.153 | -20.974 | 24.542 | 0.304 | 0.083 | 199.873 | 2.159 | 0.083 | 210.382 | 2.112 | 0.083 | 87.656 | 0.012 | 0.083 | 8.692 | 0.008 |
| 56 | 4869 | 4870 | SN | 2 | -34.62 | 19.25 | 0.0 | -34.843 | 20.571 | 0.0 | -31.039 | 23.312 | 0.153 | -20.974 | 24.542 | 0.304 | 0.083 | 199.873 | 2.152 | 0.083 | 210.382 | 2.085 | 0.083 | 87.656 | 0.012 | 0.083 | 8.692 | 0.008 |
| 57 | 4870 | 4871 | SN | 1 | -34.79 | 19.571 | 0.0 | -34.583 | 19.878 | 0.0 | -20.989 | 23.761 | 0.162 | -19.518 | 24.509 | 0.47 | 0.083 | 207.853 | 1.769 | 0.083 | 198.146 | 1.909 | 0.083 | 8.722 | 0.004 | 0.083 | 6.235 | 0.002 |
| 58 | 4870 | 4871 | NS | 1 | -34.509 | 20.639 | 0.0 | -34.611 | 22.248 | 0.001 | -5.867 | 22.908 | 0.051 | -7.297 | 24.921 | 0.448 | 0.083 | 194.785 | 2.739 | 0.083 | 199.452 | 2.703 | 0.083 | 0.334 | 0.0 | 0.083 | 0.437 | 0.0 |
| 59 | 4870 | 4871 | NS | 2 | -34.79 | 20.636 | 0.0 | -34.683 | 22.248 | 0.001 | -5.866 | 22.91 | 0.051 | -7.294 | 24.921 | 0.448 | 0.083 | 207.857 | 2.741 | 0.083 | 202.808 | 2.701 | 0.083 | 0.334 | 0.0 | 0.083 | 0.437 | 0.0 |
| 60 | 4870 | 4871 | SN | 1 | -34.79 | 19.571 | 0.0 | -34.583 | 19.878 | 0.0 | -20.989 | 23.761 | 0.162 | -19.518 | 24.509 | 0.471 | 0.083 | 207.853 | 1.671 | 0.083 | 198.146 | 1.686 | 0.083 | 8.722 | 0.004 | 0.083 | 6.235 | 0.002 |
| 61 | 4870 | 4871 | SN | 2 | -34.79 | 19.571 | 0.0 | -34.583 | 19.878 | 0.0 | -20.989 | 23.761 | 0.162 | -19.518 | 24.509 | 0.471 | 0.083 | 207.853 | 1.671 | 0.083 | 198.146 | 1.686 | 0.083 | 8.722 | 0.004 | 0.083 | 6.235 | 0.002 |
| 62 | 4871 | 4872 | SN | 1 | -34.943 | 19.169 | 0.0 | -34.782 | 19.165 | 0.0 | 2.587 | 22.668 | 0.148 | 3.195 | 23.739 | 0.336 | 0.083 | 215.291 | 2.429 | 0.083 | 207.459 | 2.422 | 0.083 | 0.114 | 0.0 | 0.083 | 0.11 | 0.0 |
| 63 | 4871 | 4872 | SN | 2 | -34.943 | 19.169 | 0.0 | -34.782 | 19.165 | 0.0 | 2.587 | 22.668 | 0.148 | 3.195 | 23.739 | 0.335 | 0.083 | 215.291 | 2.598 | 0.083 | 207.459 | 2.397 | 0.083 | 0.114 | 0.0 | 0.083 | 0.11 | 0.0 |
| 64 | 4871 | 4872 | NS | 1 | -34.618 | 18.352 | 0.0 | -31.119 | 17.672 | 0.0 | -8.228 | 22.435 | 0.013 | -29.817 | 24.144 | 0.355 | 0.083 | 199.753 | 1.254 | 0.083 | 89.279 | 0.431 | 0.083 | 0.525 | 0.0 | 0.083 | 66.17 | 0.016 |
| 65 | 4871 | 4872 | SN | 1 | -34.943 | 19.169 | 0.0 | -34.782 | 19.165 | 0.0 | 2.587 | 22.668 | 0.148 | 3.195 | 23.739 | 0.335 | 0.083 | 215.291 | 2.604 | 0.083 | 207.459 | 2.402 | 0.083 | 0.114 | 0.0 | 0.083 | 0.11 | 0.0 |
| 66 | 4872 | 4873 | SN | 2 | -34.714 | 18.082 | 0.0 | -34.64 | 19.174 | 0.0 | 2.069 | 22.944 | 0.421 | 2.796 | 23.184 | 0.849 | 0.083 | 204.22 | 2.532 | 0.083 | 200.807 | 2.105 | 0.083 | 0.119 | 0.0 | 0.083 | 0.113 | 0.0 |
| 67 | 4872 | 4873 | NS | 1 | -34.202 | 18.317 | 0.0 | -33.29 | 18.337 | 0.0 | -21.469 | 22.834 | 0.048 | -30.228 | 23.714 | 0.278 | 0.083 | 181.538 | 1.501 | 0.083 | 147.161 | 1.262 | 0.083 | 9.735 | 0.014 | 0.083 | 72.735 | 0.062 |
| 68 | 4872 | 4873 | NS | 1 | -34.054 | 18.317 | 0.0 | -33.37 | 18.338 | 0.0 | -21.984 | 22.834 | 0.05 | -29.566 | 23.714 | 0.278 | 0.083 | 175.434 | 1.501 | 0.083 | 149.908 | 1.262 | 0.083 | 10.952 | 0.014 | 0.083 | 62.464 | 0.062 |
| 69 | 4872 | 4873 | SN | 2 | -34.714 | 18.082 | 0.0 | -34.64 | 19.174 | 0.0 | 2.069 | 22.944 | 0.419 | 2.796 | 23.184 | 0.842 | 0.083 | 204.22 | 2.53 | 0.083 | 200.807 | 2.105 | 0.083 | 0.119 | 0.0 | 0.083 | 0.113 | 0.0 |

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

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|----|---|---------|--------|-----|---------|--------|-------|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|---------|-------|
| 70 | 4872 | 4873 | SN | 1 | -34.714 | 17.085 | 0.0 | -34.64 | 18.738 | 0.0 | 2.069 | 22.944 | 0.421 | 2.796 | 23.184 | 0.882 | 0.084 | 204.22 | 2.415 | 0.083 | 200.807 | 2.139 | 0.083 | 0.119 | 0.0 | 0.083 | 0.113 | 0.0 |
| 71 | 4873 | 4874 | NS | 2 | -34.349 | 18.441 | 0.0 | -34.54 | 18.462 | 0.0 | -21.993 | 23.219 | 0.049 | -32.974 | 23.536 | 0.201 | 0.083 | 187.798 | 2.815 | 0.083 | 196.181 | 2.859 | 0.083 | 10.977 | 0.065 | 0.083 | 136.816 | 0.041 |
| 72 | 4873 | 4874 | SN | 1 | -34.705 | 17.211 | 0.0 | -34.846 | 18.971 | 0.0 | 1.427 | 22.772 | 0.095 | 3.413 | 24.133 | 1.145 | 0.084 | 203.814 | 2.597 | 0.083 | 210.512 | 2.16 | 0.083 | 0.125 | 0.0 | 0.083 | 0.109 | 0.0 |
| 73 | 4873 | 4874 | SN | 2 | -34.705 | 17.211 | 0.0 | -34.846 | 18.971 | 0.0 | 1.427 | 22.772 | 0.095 | 3.413 | 24.133 | 1.144 | 0.084 | 203.814 | 2.598 | 0.083 | 210.512 | 2.16 | 0.083 | 0.125 | 0.0 | 0.083 | 0.109 | 0.0 |
| 74 | 4873 | 4874 | SN | 1 | -34.705 | 17.211 | 0.0 | -34.846 | 18.558 | 0.0 | 1.427 | 22.772 | 0.1 | 3.413 | 24.133 | 1.209 | 0.084 | 203.814 | 2.574 | 0.083 | 210.512 | 2.199 | 0.083 | 0.125 | 0.0 | 0.083 | 0.109 | 0.0 |
| 75 | 4873 | 4874 | NS | 1 | -34.164 | 18.441 | 0.0 | -34.622 | 18.462 | 0.0 | -22.026 | 23.219 | 0.049 | -32.89 | 23.533 | 0.201 | 0.083 | 179.951 | 2.827 | 0.083 | 199.956 | 2.853 | 0.083 | 11.059 | 0.065 | 0.083 | 134.228 | 0.041 |
| 76 | 4874 | 4875 | NS | 1 | -34.951 | 18.051 | 0.0 | -34.685 | 18.642 | 0.0 | -27.273 | 22.952 | 0.203 | -28.01 | 23.697 | 0.704 | 0.083 | 215.711 | 4.144 | 0.083 | 202.88 | 3.374 | 0.083 | 36.869 | 0.078 | 0.083 | 43.666 | 0.048 |
| 77 | 4874 | 4875 | SN | 1 | -34.618 | 17.607 | 0.0 | -34.657 | 19.397 | 0.0 | 1.451 | 22.772 | 0.032 | 4.304 | 23.136 | 0.065 | 0.083 | 199.794 | 3.512 | 0.083 | 201.583 | 3.021 | 0.083 | 0.125 | 0.0 | 0.083 | 0.104 | 0.0 |
| 78 | 4874 | 4875 | SN | 1 | -34.618 | 16.433 | 0.0 | -34.657 | 18.699 | 0.0 | 1.451 | 22.772 | 0.035 | 4.807 | 23.136 | 0.065 | 0.084 | 199.794 | 3.549 | 0.083 | 201.583 | 3.094 | 0.083 | 0.125 | 0.0 | 0.083 | 0.101 | 0.0 |
| 79 | 4874 | 4875 | SN | 2 | -34.618 | 17.607 | 0.0 | -34.657 | 19.397 | 0.0 | 1.451 | 22.772 | 0.032 | 4.304 | 23.136 | 0.065 | 0.083 | 199.794 | 3.509 | 0.083 | 201.583 | 3.021 | 0.083 | 0.125 | 0.0 | 0.083 | 0.104 | 0.0 |
| 80 | 4874 | 4875 | NS | 1 | -35.001 | 18.048 | 0.0 | -34.773 | 18.642 | 0.0 | -27.354 | 22.952 | 0.203 | -27.669 | 23.697 | 0.705 | 0.083 | 218.114 | 4.153 | 0.083 | 206.993 | 3.378 | 0.083 | 37.554 | 0.075 | 0.083 | 40.381 | 0.05 |
| 81 | 4875 | 4876 | SN | 1 | -33.941 | 18.08 | 0.0 | -34.241 | 19.165 | 0.0 | -13.754 | 24.277 | 0.686 | -4.686 | 24.045 | 1.465 | 0.083 | 170.901 | 2.044 | 0.083 | 183.146 | 2.044 | 0.083 | 1.701 | 0.005 | 0.083 | 0.272 | 0.0 |
| 82 | 4875 | 4876 | NS | 1 | -34.345 | 18.713 | 0.0 | -34.829 | 20.442 | 0.0 | 3.244 | 22.983 | 0.416 | 3.127 | 24.567 | 1.851 | 0.083 | 187.545 | 2.401 | 0.083 | 209.717 | 2.047 | 0.083 | 0.11 | 0.0 | 0.083 | 0.111 | 0.0 |
| 83 | 4875 | 4876 | NS | 1 | -34.581 | 18.716 | 0.0 | -34.933 | 20.441 | 0.0 | 3.244 | 22.978 | 0.416 | 3.124 | 24.564 | 1.849 | 0.083 | 198.05 | 2.401 | 0.083 | 214.721 | 2.047 | 0.083 | 0.11 | 0.0 | 0.083 | 0.111 | 0.0 |
| 84 | 4875 | 4876 | SN | 1 | -33.864 | 17.667 | 0.0 | -33.752 | 18.482 | 0.0 | -13.709 | 24.277 | 0.735 | -4.693 | 24.045 | 1.47 | 0.083 | 167.932 | 1.989 | 0.083 | 163.666 | 1.916 | 0.083 | 1.685 | 0.005 | 0.083 | 0.272 | 0.0 |
| 85 | 4875 | 4876 | SN | 2 | -33.864 | 18.089 | 0.0 | -33.752 | 19.165 | 0.0 | -13.709 | 24.277 | 0.686 | -4.693 | 24.045 | 1.465 | 0.083 | 167.932 | 2.044 | 0.083 | 163.666 | 2.043 | 0.083 | 1.685 | 0.005 | 0.083 | 0.272 | 0.0 |
| 86 | 4876 | 4877 | NS | 2 | -34.196 | 18.21 | 0.0 | -34.857 | 18.614 | 0.0 | -0.481 | 23.301 | 0.254 | -0.518 | 24.492 | 1.534 | 0.083 | 181.242 | 2.849 | 0.083 | 211.065 | 2.359 | 0.083 | 0.15 | 0.0 | 0.083 | 0.151 | 0.0 |
| 87 | 4876 | 4877 | SN | 2 | -34.549 | 18.84 | 0.0 | -34.4 | 20.365 | 0.0 | -23.528 | 23.637 | 0.547 | -16.0 | 24.72 | 1.744 | 0.083 | 196.581 | 4.251 | 0.083 | 190.003 | 3.818 | 0.083 | 15.598 | 0.001 | 0.083 | 2.81 | 0.002 |
| 88 | 4876 | 4877 | NS | 1 | -34.792 | 18.218 | 0.0 | -34.866 | 18.611 | 0.0 | -0.481 | 23.3 | 0.252 | -0.564 | 24.491 | 1.53 | 0.083 | 207.93 | 2.851 | 0.083 | 216.852 | 2.36 | 0.083 | 0.15 | 0.0 | 0.083 | 0.152 | 0.0 |
| 89 | 4876 | 4877 | SN | 1 | -34.286 | 18.846 | 0.0 | -34.982 | 19.859 | 0.0 | -25.108 | 23.634 | 0.544 | -15.976 | 24.721 | 1.746 | 0.083 | 185.028 | 4.257 | 0.083 | 217.245 | 3.816 | 0.083 | 22.42 | 0.001 | 0.083 | 2.794 | 0.002 |
| 90 | 4876 | 4877 | SN | 1 | -34.549 | 18.84 | 0.0 | -34.4 | 20.365 | 0.0 | -23.528 | 23.637 | 0.598 | -16.0 | 24.72 | 1.68 | 0.083 | 196.581 | 4.288 | 0.083 | 190.003 | 3.94 | 0.083 | 15.598 | 0.002 | 0.083 | 2.81 | 0.002 |
| 91 | 4877 | 4878 | SN | 1 | -34.323 | 19.516 | 0.0 | -34.937 | 20.486 | 0.0 | -23.884 | 23.397 | 0.404 | -6.673 | 24.762 | 0.882 | 0.083 | 186.618 | 2.583 | 0.083 | 215.021 | 2.792 | 0.083 | 16.929 | 0.03 | 0.083 | 0.388 | 0.0 |
| 92 | 4877 | 4878 | NS | 1 | -34.598 | 18.249 | 0.0 | -34.617 | 18.748 | 0.0 | -1.582 | 22.384 | 0.032 | -1.183 | 24.694 | 3.386 | 0.083 | 198.826 | 2.0 | 0.083 | 199.679 | 1.473 | 0.083 | 0.171 | 0.0 | 0.083 | 0.163 | 0.0 |
| 93 | 4877 | 4878 | NS | 2 | -34.598 | 18.249 | 0.0 | -34.617 | 18.748 | 0.0 | -1.582 | 22.384 | 0.032 | -1.183 | 24.694 | 3.386 | 0.083 | 198.826 | 2.003 | 0.083 | 199.679 | 1.475 | 0.083 | 0.171 | 0.0 | 0.083 | 0.163 | 0.0 |
| 94 | 4878 | 4879 | NS | 1 | -34.871 | 19.471 | 0.0 | -33.881 | 19.432 | 0.0 | -33.376 | 22.105 | 0.003 | -21.505 | 25.015 | 3.245 | 0.083 | 211.757 | 2.393 | 0.083 | 168.583 | 1.813 | 0.083 | 150.1 | 0.05 | 0.083 | 9.815 | 0.027 |
| 95 | 4878 | 4879 | SN | 1 | -34.676 | 20.851 | 0.0 | -32.942 | 22.562 | 0.001 | -25.302 | 23.699 | 0.486 | -22.62 | 24.107 | 0.331 | 0.083 | 202.423 | 1.819 | 0.083 | 135.816 | 1.592 | 0.083 | 23.441 | 0.069 | 0.083 | 12.668 | 0.08 |
| 96 | 4879 | 4880 | SN | 2 | -34.106 | 21.046 | 0.0 | -34.626 | 21.85 | 0.0 | -13.483 | 23.522 | 0.316 | -13.754 | 24.519 | 0.231 | 0.083 | 177.6 | 1.794 | 0.083 | 200.121 | 1.441 | 0.083 | 1.602 | 0.003 | 0.083 | 1.701 | 0.005 |
| 97 | 4879 | 4880 | NS | 1 | -34.957 | 18.951 | 0.0 | -33.222 | 19.683 | 0.0 | -11.338 | 22.905 | 0.087 | -11.525 | 24.909 | 3.531 | 0.083 | 216.018 | 1.187 | 0.083 | 144.837 | 0.884 | 0.083 | 1.003 | 0.003 | 0.083 | 1.044 | 0.003 |
| 98 | 4879 | 4880 | NS | 1 | -34.957 | 18.951 | 0.0 | -33.222 | 19.683 | 0.0 | -11.338 | 22.905 | 0.089 | -11.525 | 24.909 | 3.597 | 0.083 | 216.018 | 1.188 | 0.083 | 144.837 | 0.884 | 0.083 | 1.003 | 0.004 | 0.083 | 1.044 | 0.003 |
| 99 | 4880 | 4881 | NS | 1 | -34.852 | 18.886 | 0.0 | -32.894 | 18.564 | 0.0 | -13.37 | 22.183 | 0.035 | -11.33 | 24.707 | 4.797 | 0.083 | 210.782 | 2.285 | 0.083 | 134.3 | 2.145 | 0.083 | 1.563 | 0.021 | 0.083 | 1.002 | 0.005 |
| 100 | 4880 | 4881 | SN | 2 | -34.962 | 17.882 | 0.0 | -34.597 | 20.071 | 0.0 | -11.712 | 23.629 | 0.451 | -10.063 | 23.727 | 0.543 | 0.083 | 216.24 | 2.973 | 0.083 | 198.785 | 2.841 | 0.083 | 1.088 | 0.001 | 0.083 | 0.765 | 0.0 |
| 101 | 4880 | 4881 | NS | 1 | -34.852 | 18.886 | 0.0 | -32.894 | 18.564 | 0.0 | -13.37 | 22.407 | 0.045 | -11.33 | 24.707 | 3.98 | 0.083 | 210.782 | 2.281 | 0.083 | 134.3 | 2.145 | 0.083 | 1.563 | 0.017 | 0.083 | 1.002 | 0.004 |
| 102 | 4881 | 4882 | NS | 1 | -34.676 | 18.588 | 0.0 | -34.996 | 19.143 | 0.0 | 2.581 | 22.819 | 0.219 | 2.437 | 24.766 | 4.582 | 0.083 | 202.409 | 1.863 | 0.083 | 217.943 | 1.675 | 0.083 | 0.114 | 0.0 | 0.083 | 0.116 | 0.0 |
| 103 | 4881 | 4882 | NS | 1 | -34.676 | 18.588 | 0.0 | -34.996 | 19.143 | 0.0 | 2.581 | 21.579 | 0.0 | 2.437 | 24.766 | 6.004 | 0.083 | 202.409 | 1.867 | 0.083 | 217.943 | 1.675 | 0.083 | 0.114 | 0.0 | 0.083 | 0.116 | 0.0 |
| 104 | 4881 | 4882 | SN | 1 | -34.213 | 17.7 | 0.0 | -33.593 | 19.943 | 0.0 | -24.168 | 23.762 | 0.747 | -25.876 | 23.903 | 1.026 | 0.083 | 182.013 | 1.207 | 0.083 | 157.743 | 0.909 | 0.083 | 18.068 | 0.08 | 0.083 | 26.744 | 0.111 |
| 105 | 4882 | 4883 | NS | 1 | -34.631 | 18.861 | 0.0 | -34.707 | 18.756 | 0.0 | 4.626 | 21.491 | 0.0 | 4.112 | 22.234 | 0.02 | 0.083 | 200.328 | 3.4 | 0.083 | 203.858 | 3.038 | 0.083 | 0.102 | 0.0 | 0.083 | 0.105 | 0.0 |

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

■ Normal ■ Deviations
■ Alarming ■ High Errors