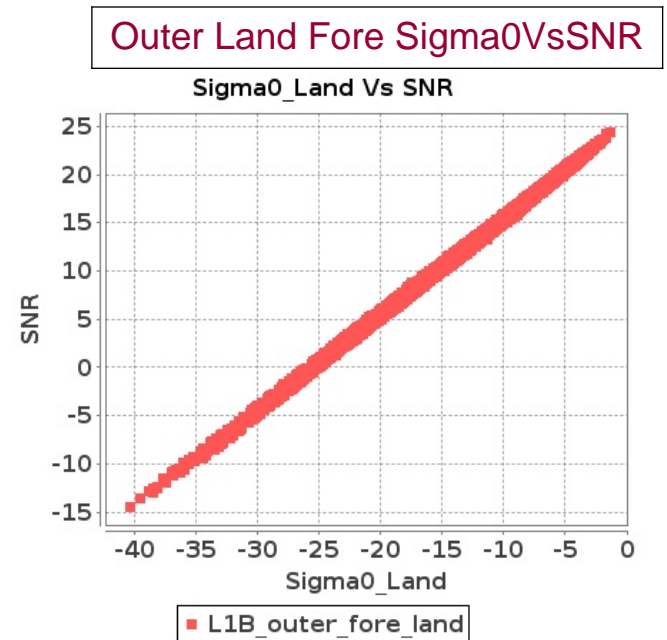
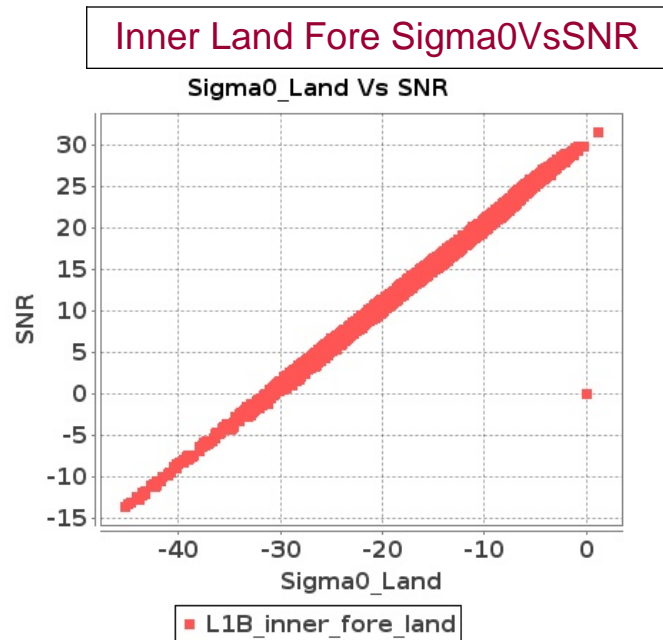
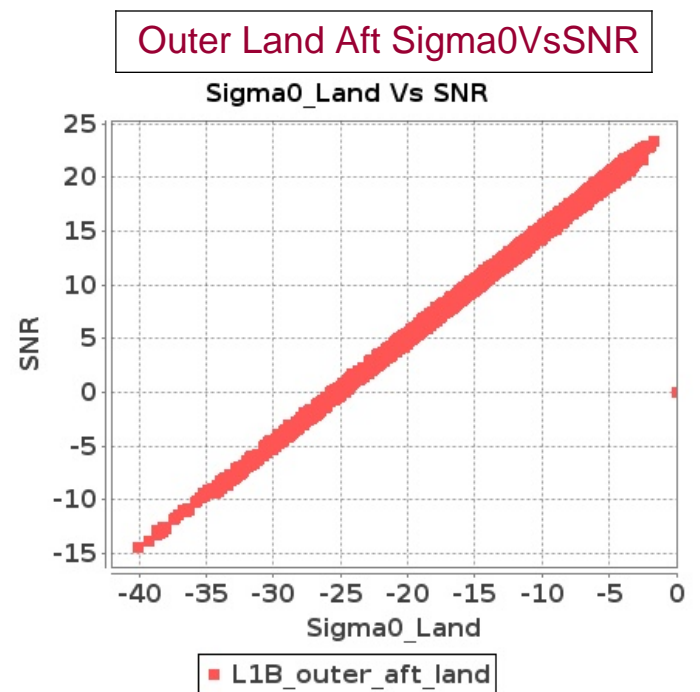
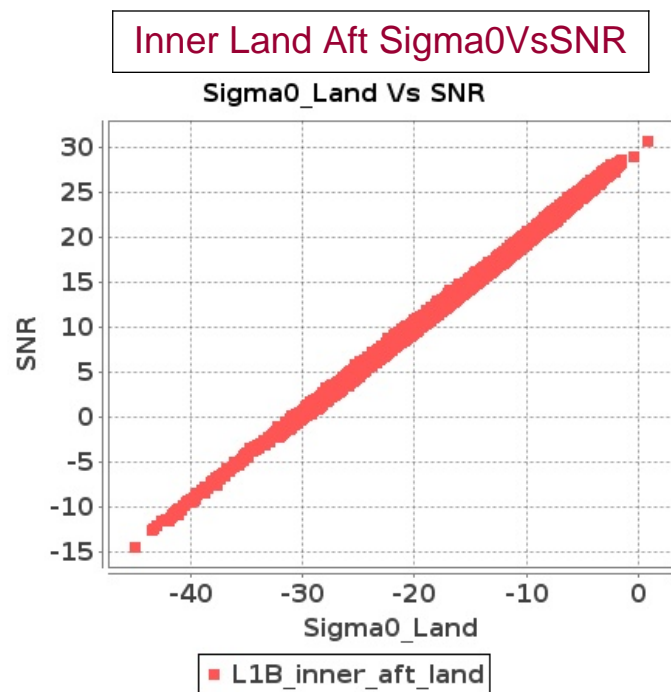
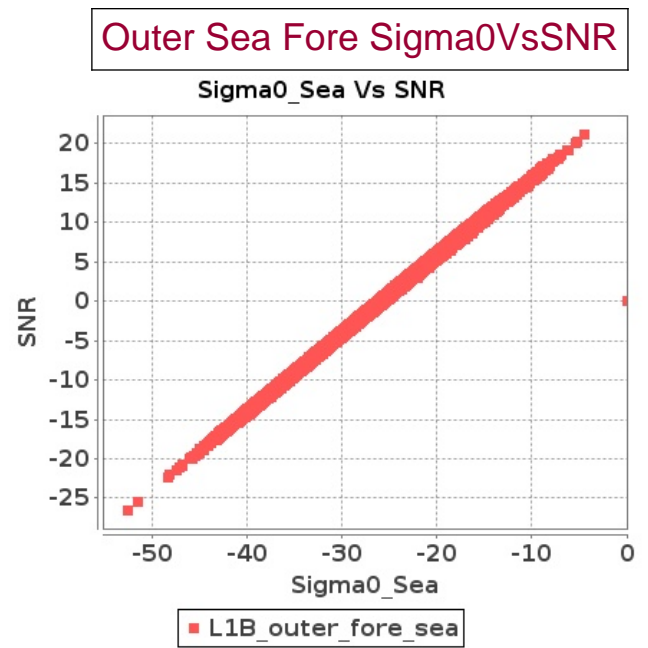
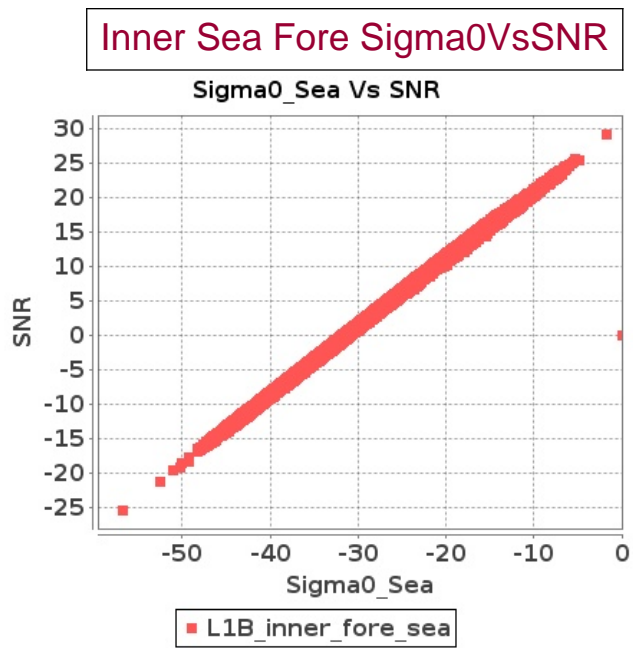
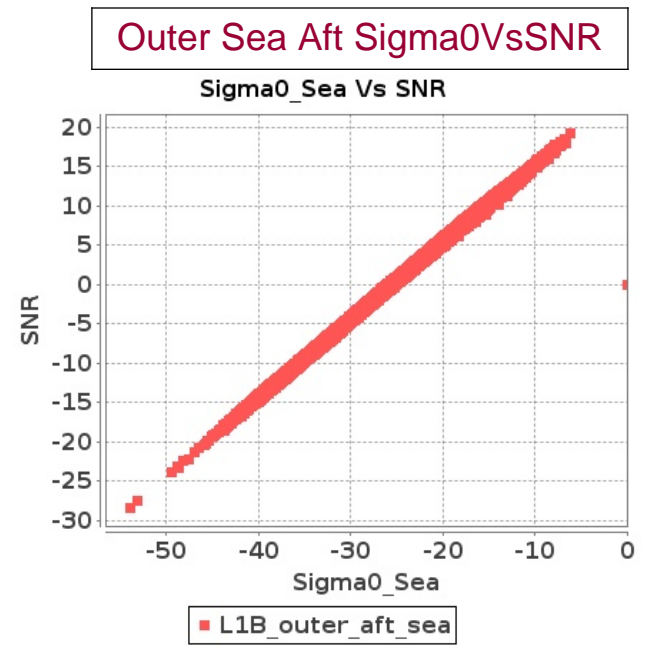
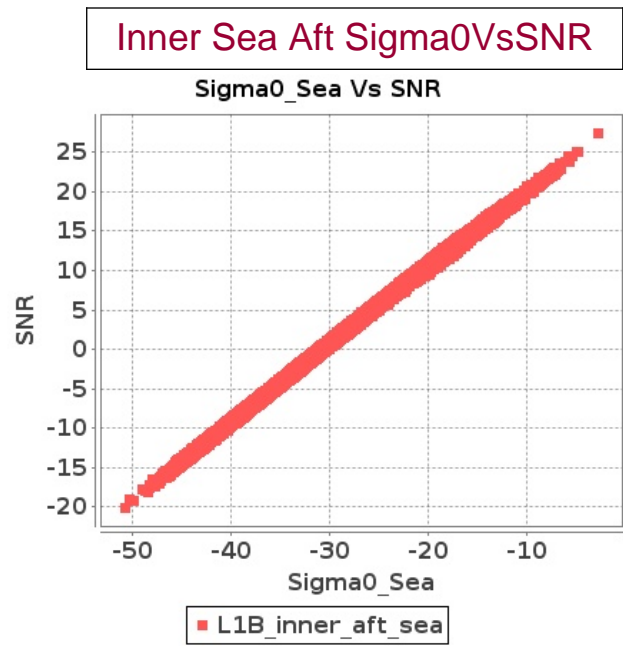
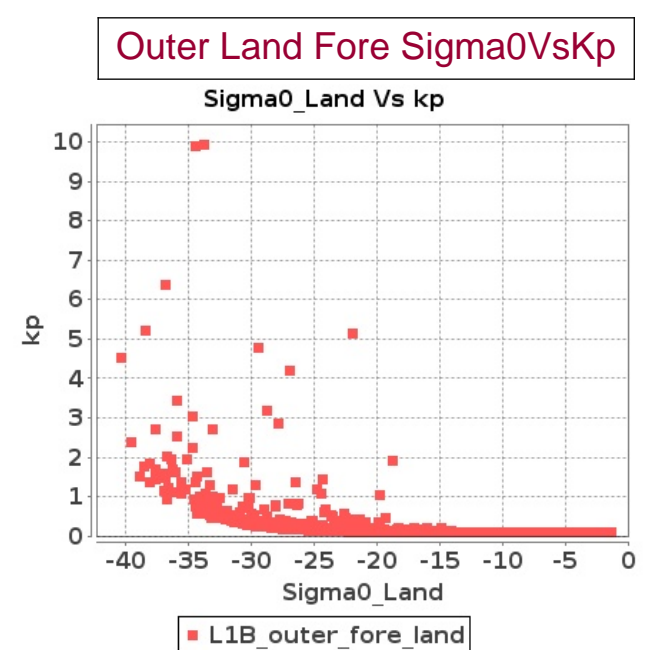
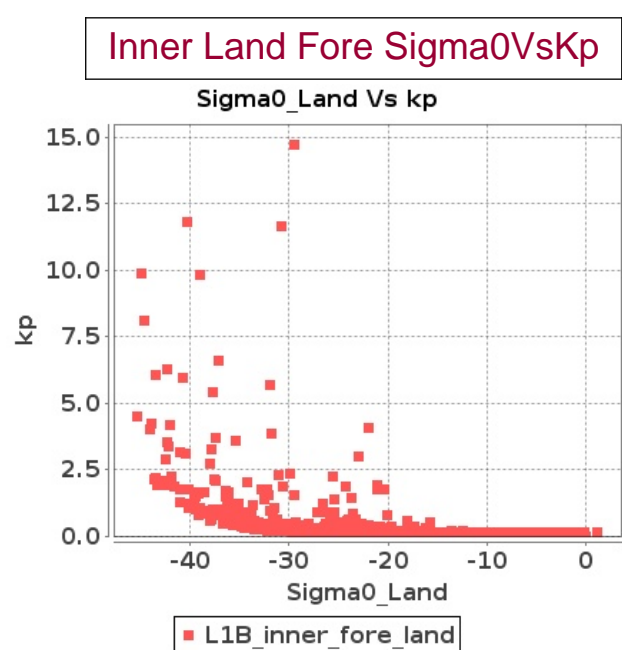
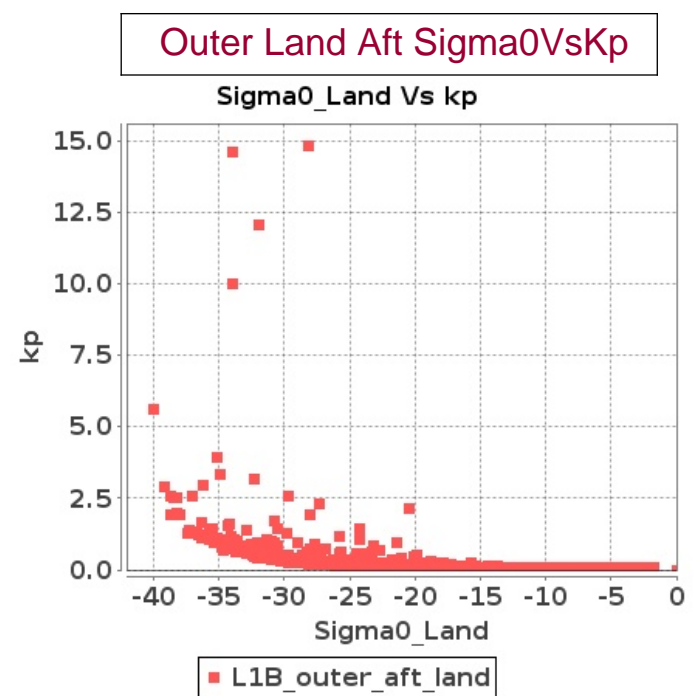
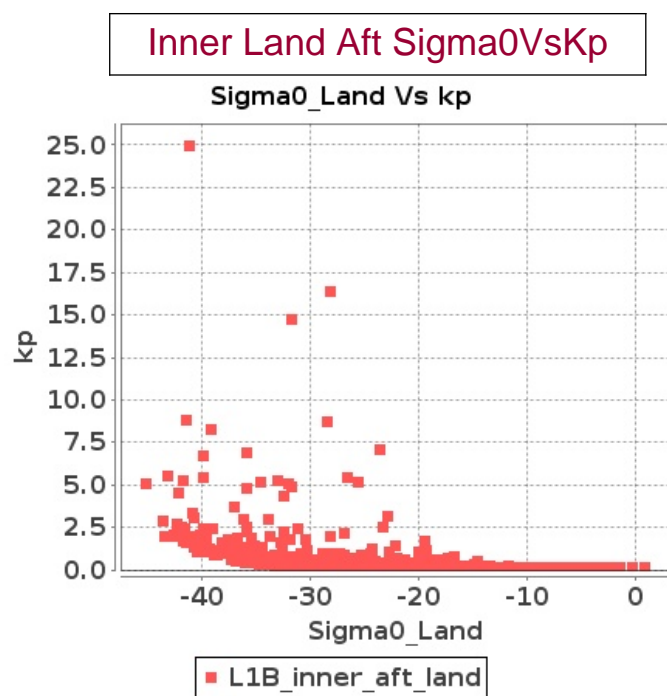
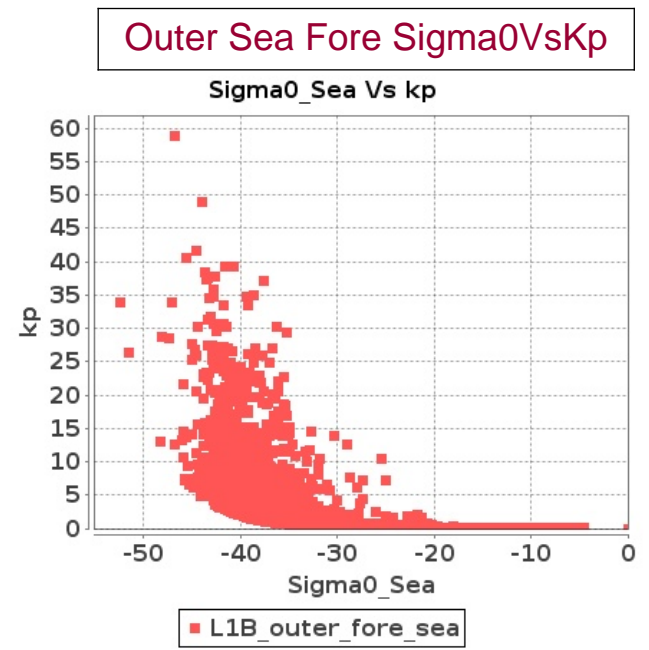
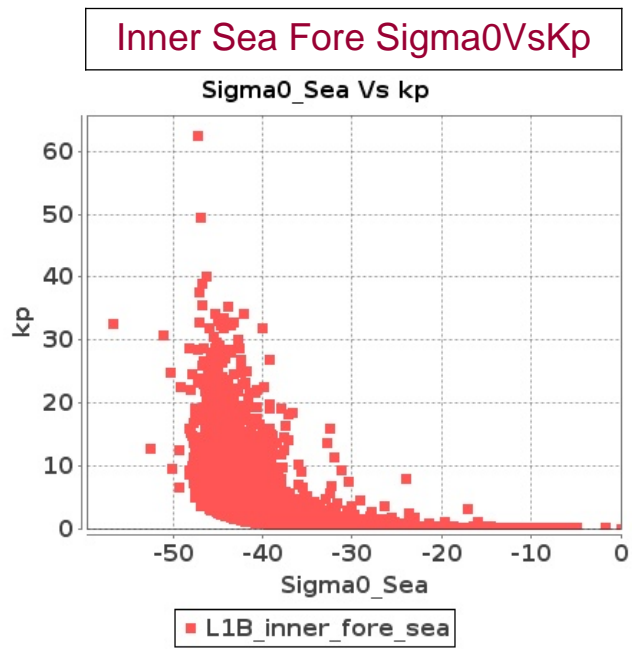
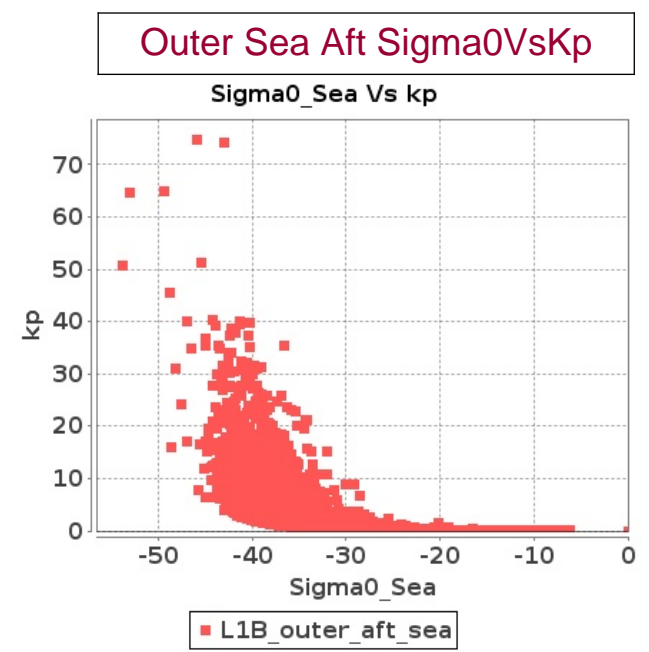
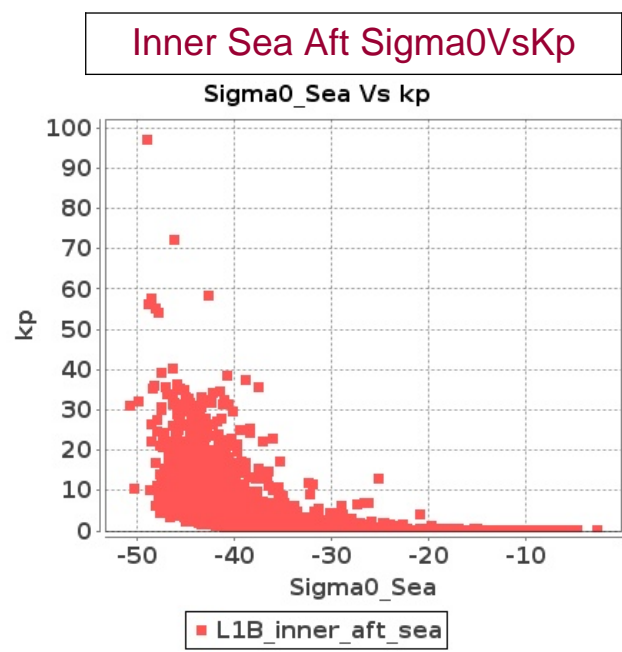


# SCATSAT-1 Scatterometer Level-1B Data Quality Cycle wise Report

Report between 11-MAY-2019 To 12-MAY-2019





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

Report between 11-MAY-2019 To 12-MAY-2019

|       |             |           |      |      | 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     | 13873       | 13874     | SN   | 2    | 48.906          | 49.503 | 0.0       | 0.0           | 242.263 | 2.731     | 1048.544 | 1090.152 | 0.0       | -91.724  | -90.034 | 0.0       |
| 2     | 13873       | 13874     | SN   | 1    | 48.906          | 49.503 | 0.0       | 0.0           | 242.263 | 2.73      | 1048.544 | 1090.152 | 0.0       | -91.724  | -90.034 | 0.0       |
| 3     | 13873       | 13874     | SN   | 1    | 48.906          | 49.503 | 0.0       | 0.0           | 242.263 | 2.245     | 1049.816 | 1090.152 | 0.0       | -91.706  | -90.052 | 0.0       |
| 4     | 13874       | 13875     | SN   | 1    | 48.897          | 49.502 | 0.0       | 0.0           | 150.46  | 2.555     | 1048.136 | 1090.12  | 0.0       | -91.738  | -90.033 | 0.0       |
| 5     | 13874       | 13875     | SN   | 1    | 48.897          | 49.502 | 0.0       | 0.0           | 150.46  | 2.637     | 1047.76  | 1090.12  | 0.0       | -91.738  | -90.026 | 0.0       |
| 6     | 13874       | 13875     | NS   | 1    | 48.622          | 49.285 | 0.0       | 0.0           | 264.67  | 2.717     | 1014.936 | 1085.344 | 25.936    | -91.565  | -89.688 | 0.0       |
| 7     | 13874       | 13875     | SN   | 1    | 48.897          | 49.502 | 0.0       | 0.0           | 150.46  | 2.64      | 1047.76  | 1090.12  | 0.0       | -91.738  | -90.026 | 0.0       |
| 8     | 13875       | 13876     | SN   | 1    | 48.858          | 49.637 | 0.0       | 0.003         | 9.513   | 2.322     | 1047.808 | 1090.264 | 0.0       | -94.528  | -90.026 | 0.0       |
| 9     | 13875       | 13876     | SN   | 1    | 48.84           | 49.636 | 0.0       | 0.003         | 9.513   | 2.326     | 1047.8   | 1090.256 | 0.0       | -94.528  | -90.026 | 0.0       |
| 10    | 13875       | 13876     | SN   | 1    | 48.858          | 49.637 | 0.0       | 0.003         | 9.513   | 2.415     | 1047.32  | 1090.264 | 0.0       | -94.528  | -90.022 | 0.0       |
| 11    | 13875       | 13876     | NS   | 2    | 48.631          | 49.323 | 0.0       | 0.0           | 267.555 | 2.735     | 1016.064 | 1085.6   | 27.55     | -92.984  | -89.654 | 0.0       |
| 12    | 13875       | 13876     | NS   | 1    | 48.631          | 49.323 | 0.0       | 0.0           | 267.555 | 2.736     | 1016.064 | 1085.6   | 27.554    | -92.984  | -89.654 | 0.0       |
| 13    | 13876       | 13877     | NS   | 1    | 48.613          | 49.32  | 0.0       | 0.0           | 267.665 | 2.965     | 1015.192 | 1085.52  | 26.911    | -92.721  | -89.707 | 0.0       |
| 14    | 13876       | 13877     | SN   | 1    | 48.855          | 49.501 | 0.0       | 0.0           | 231.602 | 2.557     | 1048.064 | 1090.2   | 0.0       | -91.762  | -90.03  | 0.0       |
| 15    | 13876       | 13877     | SN   | 1    | 48.855          | 49.501 | 0.0       | 0.0           | 231.602 | 2.583     | 1047.992 | 1090.2   | 0.0       | -91.762  | -90.03  | 0.0       |
| 16    | 13876       | 13877     | NS   | 1    | 48.613          | 49.32  | 0.0       | 0.0           | 267.665 | 2.953     | 1015.192 | 1085.52  | 26.938    | -92.721  | -89.707 | 0.0       |
| 17    | 13876       | 13877     | SN   | 2    | 48.855          | 49.501 | 0.0       | 0.0           | 231.602 | 2.583     | 1047.992 | 1090.2   | 0.0       | -91.762  | -90.03  | 0.0       |
| 18    | 13877       | 13878     | SN   | 1    | 48.824          | 49.5   | 0.0       | 0.0           | 215.074 | 2.529     | 1046.864 | 1090.136 | 0.0       | -92.01   | -90.018 | 0.0       |
| 19    | 13877       | 13878     | NS   | 1    | 48.632          | 49.299 | 0.0       | 0.0           | 207.039 | 2.835     | 1016.032 | 1085.48  | 27.941    | -92.325  | -89.684 | 0.0       |
| 20    | 13877       | 13878     | SN   | 1    | 48.824          | 49.501 | 0.0       | 0.0           | 215.074 | 2.529     | 1046.864 | 1090.136 | 0.0       | -92.01   | -90.018 | 0.0       |
| 21    | 13877       | 13878     | NS   | 1    | 48.632          | 49.299 | 0.0       | 0.0           | 207.039 | 2.845     | 1016.032 | 1085.48  | 27.913    | -92.325  | -89.684 | 0.0       |
| 22    | 13877       | 13878     | SN   | 1    | 48.835          | 49.5   | 0.0       | 0.0           | 215.074 | 2.172     | 1048.608 | 1090.136 | 0.0       | -91.824  | -90.037 | 0.0       |
| 23    | 13878       | 13879     | SN   | 1    | 48.697          | 49.816 | 0.0       | 0.0           | 278.375 | 2.504     | 1048.232 | 1090.112 | 0.0       | -94.802  | -90.035 | 0.0       |
| 24    | 13878       | 13879     | SN   | 1    | 48.697          | 49.816 | 0.0       | 0.0           | 278.375 | 2.183     | 1049.272 | 1090.112 | 0.0       | -94.802  | -90.043 | 0.0       |
| 25    | 13878       | 13879     | SN   | 2    | 48.697          | 49.816 | 0.0       | 0.0           | 200.856 | 2.503     | 1048.232 | 1090.136 | 0.0       | -94.802  | -90.035 | 0.0       |
| 26    | 13878       | 13879     | NS   | 2    | 48.575          | 49.285 | 0.0       | 0.0           | 76.951  | 2.933     | 1016.224 | 1085.48  | 27.745    | -91.754  | -89.694 | 0.0       |
| 27    | 13878       | 13879     | NS   | 1    | 48.576          | 49.284 | 0.0       | 0.0           | 76.951  | 2.932     | 1016.24  | 1085.456 | 27.747    | -91.754  | -89.694 | 0.0       |
| 28    | 13879       | 13880     | NS   | 1    | 48.631          | 49.285 | 0.0       | 0.003         | 267.213 | 2.634     | 1015.992 | 1085.488 | 27.811    | -91.884  | -89.708 | 0.0       |
| 29    | 13879       | 13880     | SN   | 1    | 48.859          | 49.511 | 0.0       | 0.0           | 280.399 | 2.455     | 1048.512 | 1090.16  | 0.0       | -92.213  | -90.035 | 0.0       |
| 30    | 13879       | 13880     | SN   | 1    | 48.859          | 49.511 | 0.0       | 0.0           | 280.399 | 2.818     | 1046.736 | 1090.16  | 0.0       | -92.213  | -90.018 | 0.0       |
| 31    | 13879       | 13880     | SN   | 2    | 48.859          | 49.511 | 0.0       | 0.0           | 214.71  | 2.818     | 1046.736 | 1090.168 | 0.0       | -92.213  | -90.018 | 0.0       |
| 32    | 13879       | 13880     | NS   | 1    | 48.594          | 49.312 | 0.0       | 0.003         | 267.213 | 2.631     | 1015.928 | 1085.488 | 27.784    | -91.522  | -89.708 | 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 | 13880 | 13881 | SN | 1 | 48.737 | 49.54  | 0.0 | 0.0   | 213.386 | 2.586 | 1047.688 | 1090.48  | 0.0    | -94.29  | -90.026 | 0.0 |
| 34 | 13880 | 13881 | SN | 1 | 48.737 | 49.54  | 0.0 | 0.0   | 213.386 | 2.588 | 1047.688 | 1090.48  | 0.0    | -94.29  | -90.026 | 0.0 |
| 35 | 13880 | 13881 | SN | 1 | 48.737 | 49.54  | 0.0 | 0.0   | 213.386 | 1.837 | 1048.632 | 1090.48  | 0.0    | -94.29  | -90.057 | 0.0 |
| 36 | 13880 | 13881 | NS | 1 | 48.598 | 49.287 | 0.0 | 0.0   | 207.083 | 2.646 | 1015.256 | 1085.704 | 28.561 | -91.376 | -89.705 | 0.0 |
| 37 | 13881 | 13882 | NS | 1 | 48.566 | 49.339 | 0.0 | 0.0   | 207.0   | 3.052 | 1015.888 | 1085.84  | 28.721 | -91.466 | -89.689 | 0.0 |
| 38 | 13881 | 13882 | SN | 1 | 48.881 | 49.504 | 0.0 | 0.0   | 214.671 | 2.527 | 1047.256 | 1090.536 | 0.0    | -93.133 | -90.011 | 0.0 |
| 39 | 13881 | 13882 | SN | 1 | 48.881 | 49.503 | 0.0 | 0.0   | 280.338 | 2.587 | 1046.832 | 1090.52  | 0.0    | -93.133 | -89.994 | 0.0 |
| 40 | 13881 | 13882 | NS | 2 | 48.566 | 49.339 | 0.0 | 0.0   | 207.0   | 3.052 | 1015.888 | 1085.84  | 28.718 | -91.466 | -89.689 | 0.0 |
| 41 | 13882 | 13883 | SN | 1 | 48.689 | 49.542 | 0.0 | 0.0   | 125.251 | 2.587 | 1046.872 | 1090.536 | 0.0    | -94.532 | -89.997 | 0.0 |
| 42 | 13882 | 13883 | NS | 1 | 48.609 | 49.288 | 0.0 | 0.003 | 210.48  | 2.715 | 1015.24  | 1085.832 | 28.109 | -91.806 | -89.681 | 0.0 |
| 43 | 13882 | 13883 | NS | 2 | 48.609 | 49.288 | 0.0 | 0.003 | 210.48  | 2.715 | 1015.24  | 1085.832 | 28.109 | -91.806 | -89.681 | 0.0 |
| 44 | 13883 | 13884 | NS | 2 | 48.581 | 49.288 | 0.0 | 0.003 | 42.783  | 2.507 | 1015.576 | 1085.856 | 29.019 | -91.952 | -89.709 | 0.0 |
| 45 | 13883 | 13884 | NS | 1 | 48.581 | 49.288 | 0.0 | 0.003 | 42.783  | 2.507 | 1015.576 | 1085.856 | 29.019 | -91.952 | -89.709 | 0.0 |
| 46 | 13883 | 13884 | SN | 1 | 48.858 | 49.564 | 0.0 | 0.003 | 215.046 | 2.617 | 1046.6   | 1090.536 | 0.0    | -91.88  | -89.997 | 0.0 |
| 47 | 13884 | 13885 | SN | 1 | 48.854 | 49.504 | 0.0 | 0.0   | 243.096 | 2.757 | 1046.4   | 1090.664 | 0.0    | -91.91  | -90.01  | 0.0 |
| 48 | 13884 | 13885 | NS | 1 | 48.59  | 49.31  | 0.0 | 0.0   | 264.632 | 2.905 | 1015.888 | 1085.904 | 29.459 | -91.676 | -89.706 | 0.0 |
| 49 | 13884 | 13885 | SN | 2 | 48.854 | 49.504 | 0.0 | 0.0   | 243.096 | 2.757 | 1046.4   | 1090.664 | 0.0    | -91.91  | -90.01  | 0.0 |
| 50 | 13884 | 13885 | NS | 1 | 48.59  | 49.31  | 0.0 | 0.0   | 210.656 | 3.005 | 1015.88  | 1085.912 | 29.439 | -91.543 | -89.706 | 0.0 |
| 51 | 13884 | 13885 | NS | 1 | 48.59  | 49.31  | 0.0 | 0.0   | 264.632 | 2.705 | 1015.888 | 1084.312 | 30.039 | -91.557 | -89.706 | 0.0 |
| 52 | 13885 | 13886 | NS | 1 | 48.563 | 49.273 | 0.0 | 0.0   | 184.984 | 2.726 | 1015.768 | 1084.408 | 30.598 | -91.565 | -89.705 | 0.0 |
| 53 | 13885 | 13886 | NS | 1 | 48.563 | 49.277 | 0.0 | 0.0   | 184.99  | 2.847 | 1015.768 | 1085.32  | 30.2   | -91.645 | -89.705 | 0.0 |
| 54 | 13885 | 13886 | NS | 1 | 48.563 | 49.277 | 0.0 | 0.0   | 184.99  | 2.85  | 1015.768 | 1085.32  | 30.233 | -91.565 | -89.705 | 0.0 |
| 55 | 13885 | 13886 | SN | 1 | 48.885 | 49.564 | 0.0 | 0.003 | 56.352  | 2.533 | 1046.312 | 1090.744 | 0.0    | -91.847 | -90.011 | 0.0 |
| 56 | 13886 | 13887 | NS | 1 | 48.59  | 49.276 | 0.0 | 0.0   | 213.519 | 2.711 | 1015.416 | 1084.8   | 30.208 | -91.702 | -89.702 | 0.0 |
| 57 | 13886 | 13887 | SN | 1 | 48.852 | 49.55  | 0.0 | 0.0   | 186.55  | 2.868 | 1046.04  | 1090.904 | 0.0    | -92.449 | -90.01  | 0.0 |
| 58 | 13886 | 13887 | NS | 1 | 48.59  | 49.276 | 0.0 | 0.0   | 213.519 | 2.73  | 1015.296 | 1085.096 | 30.131 | -91.702 | -89.702 | 0.0 |
| 59 | 13886 | 13887 | SN | 2 | 48.852 | 49.55  | 0.0 | 0.0   | 186.55  | 2.865 | 1046.04  | 1090.904 | 0.0    | -92.449 | -90.01  | 0.0 |
| 60 | 13886 | 13887 | NS | 1 | 48.59  | 49.329 | 0.0 | 0.0   | 213.519 | 1.772 | 1015.296 | 1078.144 | 32.953 | -91.702 | -89.702 | 0.0 |
| 61 | 13887 | 13888 | SN | 1 | 48.874 | 49.508 | 0.0 | 0.0   | 97.66   | 2.718 | 1046.944 | 1091.024 | 0.0    | -91.638 | -90.019 | 0.0 |
| 62 | 13887 | 13888 | SN | 1 | 48.847 | 49.508 | 0.0 | 0.0   | 97.66   | 2.72  | 1046.944 | 1091.024 | 0.0    | -92.034 | -90.019 | 0.0 |
| 63 | 13887 | 13888 | NS | 1 | 48.566 | 49.283 | 0.0 | 0.0   | 20.086  | 2.484 | 1014.528 | 1084.768 | 30.279 | -91.356 | -89.702 | 0.0 |
| 64 | 13887 | 13888 | SN | 1 | 48.847 | 49.508 | 0.0 | 0.0   | 97.66   | 1.803 | 1049.72  | 1091.024 | 0.0    | -92.034 | -90.056 | 0.0 |
| 65 | 13887 | 13888 | NS | 1 | 48.566 | 49.283 | 0.0 | 0.0   | 20.086  | 1.504 | 1014.528 | 1071.92  | 35.197 | -91.356 | -89.702 | 0.0 |
| 66 | 13887 | 13888 | NS | 1 | 48.566 | 49.283 | 0.0 | 0.0   | 20.086  | 2.378 | 1014.528 | 1084.768 | 30.312 | -91.657 | -89.702 | 0.0 |
| 67 | 13888 | 13889 | SN | 1 | 48.88  | 49.545 | 0.0 | 0.0   | 94.086  | 2.919 | 1046.152 | 1090.904 | 0.0    | -91.774 | -90.011 | 0.0 |
| 68 | 13888 | 13889 | NS | 1 | 48.561 | 49.3   | 0.0 | 0.003 | 210.745 | 2.693 | 1014.792 | 1086.216 | 25.054 | -91.757 | -89.685 | 0.0 |
| 69 | 13888 | 13889 | SN | 1 | 48.879 | 49.545 | 0.0 | 0.0   | 94.086  | 2.657 | 1047.632 | 1090.904 | 0.0    | -91.938 | -90.028 | 0.0 |

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

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

|     |       |       |    |   |        |        |     |       |         |       |          |          |        |         |         |     |
|-----|-------|-------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|--------|---------|---------|-----|
| 70  | 13888 | 13889 | SN | 1 | 48.879 | 49.545 | 0.0 | 0.0   | 94.086  | 2.922 | 1046.16  | 1090.904 | 0.0    | -91.938 | -90.011 | 0.0 |
| 71  | 13889 | 13890 | NS | 1 | 48.628 | 49.328 | 0.0 | 0.0   | 210.623 | 2.68  | 1015.728 | 1086.376 | 26.678 | -92.303 | -89.675 | 0.0 |
| 72  | 13889 | 13890 | SN | 1 | 48.88  | 49.726 | 0.0 | 0.003 | 255.813 | 2.483 | 1046.848 | 1091.048 | 0.0    | -94.609 | -90.019 | 0.0 |
| 73  | 13889 | 13890 | NS | 1 | 48.628 | 49.328 | 0.0 | 0.0   | 210.623 | 2.678 | 1015.728 | 1086.384 | 26.652 | -92.303 | -89.675 | 0.0 |
| 74  | 13889 | 13890 | SN | 2 | 48.88  | 49.726 | 0.0 | 0.003 | 255.813 | 2.483 | 1046.848 | 1091.048 | 0.0    | -94.609 | -90.019 | 0.0 |
| 75  | 13889 | 13890 | SN | 1 | 48.88  | 49.726 | 0.0 | 0.003 | 255.813 | 2.61  | 1046.0   | 1091.048 | 0.0    | -94.609 | -90.011 | 0.0 |
| 76  | 13890 | 13891 | NS | 1 | 48.629 | 49.336 | 0.0 | 0.0   | 195.032 | 2.594 | 1015.608 | 1086.528 | 27.557 | -91.342 | -89.687 | 0.0 |
| 77  | 13890 | 13891 | SN | 1 | 48.845 | 49.505 | 0.0 | 0.003 | 6.309   | 2.309 | 1046.888 | 1091.088 | 0.0    | -91.701 | -90.021 | 0.0 |
| 78  | 13890 | 13891 | SN | 1 | 48.845 | 49.505 | 0.0 | 0.003 | 6.309   | 2.477 | 1045.952 | 1091.088 | 0.0    | -91.701 | -90.009 | 0.0 |
| 79  | 13890 | 13891 | SN | 1 | 48.845 | 49.505 | 0.0 | 0.003 | 6.309   | 2.477 | 1045.952 | 1091.088 | 0.0    | -91.701 | -90.009 | 0.0 |
| 80  | 13890 | 13891 | NS | 1 | 48.629 | 49.336 | 0.0 | 0.0   | 195.032 | 2.584 | 1015.608 | 1086.528 | 27.584 | -91.342 | -89.687 | 0.0 |
| 81  | 13891 | 13892 | NS | 1 | 48.607 | 49.29  | 0.0 | 0.003 | 13.501  | 2.616 | 1015.152 | 1086.52  | 27.126 | -91.59  | -89.684 | 0.0 |
| 82  | 13891 | 13892 | NS | 1 | 48.63  | 49.314 | 0.0 | 0.003 | 13.506  | 2.613 | 1015.224 | 1086.504 | 27.094 | -91.616 | -89.684 | 0.0 |
| 83  | 13891 | 13892 | SN | 1 | 48.831 | 49.505 | 0.0 | 0.003 | 6.59    | 2.559 | 1045.848 | 1091.024 | 0.0    | -91.934 | -90.008 | 0.0 |
| 84  | 13891 | 13892 | SN | 1 | 48.831 | 49.505 | 0.0 | 0.003 | 6.59    | 2.272 | 1047.296 | 1091.024 | 0.0    | -91.778 | -90.022 | 0.0 |
| 85  | 13891 | 13892 | SN | 2 | 48.831 | 49.505 | 0.0 | 0.003 | 6.59    | 2.559 | 1045.848 | 1091.024 | 0.0    | -91.934 | -90.008 | 0.0 |
| 86  | 13892 | 13893 | NS | 1 | 48.569 | 49.326 | 0.0 | 0.003 | 267.99  | 2.698 | 1016.152 | 1086.496 | 27.3   | -94.369 | -89.699 | 0.0 |
| 87  | 13892 | 13893 | SN | 1 | 48.752 | 49.628 | 0.0 | 0.0   | 198.06  | 2.936 | 1045.84  | 1091.016 | 0.0    | -94.463 | -90.01  | 0.0 |
| 88  | 13892 | 13893 | SN | 2 | 48.752 | 49.628 | 0.0 | 0.0   | 198.06  | 2.936 | 1045.84  | 1091.016 | 0.0    | -94.463 | -90.01  | 0.0 |
| 89  | 13892 | 13893 | SN | 3 | 48.752 | 49.628 | 0.0 | 0.0   | 198.06  | 2.936 | 1045.84  | 1091.016 | 0.0    | -94.463 | -90.01  | 0.0 |
| 90  | 13892 | 13893 | NS | 1 | 48.576 | 49.327 | 0.0 | 0.003 | 210.739 | 2.705 | 1016.144 | 1086.52  | 27.254 | -94.369 | -89.699 | 0.0 |
| 91  | 13893 | 13894 | NS | 2 | 48.629 | 49.279 | 0.0 | 0.003 | 267.5   | 2.148 | 1016.128 | 1084.92  | 29.088 | -91.956 | -89.702 | 0.0 |
| 92  | 13893 | 13894 | SN | 1 | 48.845 | 49.54  | 0.0 | 0.003 | 6.574   | 1.887 | 1048.512 | 1090.968 | 0.0    | -91.893 | -90.039 | 0.0 |
| 93  | 13893 | 13894 | SN | 1 | 48.831 | 49.558 | 0.0 | 0.003 | 278.943 | 2.578 | 1045.776 | 1090.952 | 0.0    | -92.22  | -90.008 | 0.0 |
| 94  | 13893 | 13894 | NS | 1 | 48.629 | 49.279 | 0.0 | 0.003 | 267.5   | 2.15  | 1016.136 | 1084.904 | 29.086 | -91.956 | -89.702 | 0.0 |
| 95  | 13893 | 13894 | SN | 1 | 48.845 | 49.54  | 0.0 | 0.003 | 6.574   | 2.575 | 1045.768 | 1090.968 | 0.0    | -91.893 | -90.007 | 0.0 |
| 96  | 13894 | 13895 | NS | 1 | 48.574 | 49.313 | 0.0 | 0.0   | 106.274 | 2.834 | 1015.384 | 1086.568 | 28.672 | -92.186 | -89.705 | 0.0 |
| 97  | 13894 | 13895 | SN | 1 | 48.841 | 49.566 | 0.0 | 0.003 | 113.03  | 2.572 | 1045.672 | 1091.112 | 0.0    | -92.281 | -90.006 | 0.0 |
| 98  | 13894 | 13895 | SN | 1 | 48.847 | 49.566 | 0.0 | 0.003 | 113.03  | 2.569 | 1045.68  | 1091.112 | 0.0    | -92.007 | -90.006 | 0.0 |
| 99  | 13894 | 13895 | SN | 1 | 48.841 | 49.566 | 0.0 | 0.003 | 113.03  | 1.967 | 1048.152 | 1091.112 | 0.0    | -92.281 | -90.036 | 0.0 |
| 100 | 13894 | 13895 | NS | 2 | 48.574 | 49.313 | 0.0 | 0.0   | 106.274 | 2.834 | 1015.304 | 1086.592 | 28.685 | -92.186 | -89.705 | 0.0 |
| 101 | 13895 | 13896 | SN | 1 | 48.897 | 49.508 | 0.0 | 0.0   | 280.642 | 2.673 | 1046.688 | 1091.328 | 0.0    | -91.601 | -90.018 | 0.0 |
| 102 | 13895 | 13896 | SN | 2 | 48.896 | 49.508 | 0.0 | 0.0   | 214.853 | 2.674 | 1046.688 | 1091.304 | 0.0    | -91.601 | -90.018 | 0.0 |
| 103 | 13895 | 13896 | NS | 1 | 48.574 | 49.305 | 0.0 | 0.0   | 267.654 | 2.215 | 1015.808 | 1084.16  | 30.72  | -91.294 | -89.706 | 0.0 |
| 104 | 13895 | 13896 | SN | 1 | 48.897 | 49.508 | 0.0 | 0.0   | 280.642 | 1.786 | 1049.52  | 1091.328 | 0.0    | -91.601 | -90.033 | 0.0 |
| 105 | 13895 | 13896 | NS | 1 | 48.571 | 49.291 | 0.0 | 0.0   | 267.654 | 2.947 | 1015.808 | 1086.728 | 28.996 | -91.717 | -89.706 | 0.0 |
| 106 | 13896 | 13897 | NS | 1 | 48.603 | 49.35  | 0.0 | 0.0   | 160.933 | 3.053 | 1015.152 | 1086.792 | 27.624 | -91.488 | -89.704 | 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 |

|     |       |       |    |   |        |        |     |       |         |       |          |          |        |         |         |     |
|-----|-------|-------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|--------|---------|---------|-----|
| 107 | 13896 | 13897 | NS | 1 | 48.603 | 49.291 | 0.0 | 0.0   | 160.933 | 2.95  | 1015.152 | 1086.792 | 27.679 | -91.488 | -89.704 | 0.0 |
| 108 | 13896 | 13897 | SN | 1 | 48.866 | 49.54  | 0.0 | 0.0   | 124.722 | 2.49  | 1045.856 | 1091.368 | 0.0    | -94.378 | -89.983 | 0.0 |
| 109 | 13896 | 13897 | SN | 1 | 48.866 | 49.54  | 0.0 | 0.0   | 124.722 | 2.49  | 1045.856 | 1091.368 | 0.0    | -94.378 | -89.983 | 0.0 |
| 110 | 13897 | 13898 | NS | 1 | 48.611 | 49.29  | 0.0 | 0.0   | 44.467  | 2.801 | 1015.072 | 1086.72  | 29.203 | -91.624 | -89.684 | 0.0 |
| 111 | 13897 | 13898 | SN | 1 | 48.865 | 49.507 | 0.0 | 0.0   | 165.935 | 2.993 | 1045.728 | 1091.312 | 0.0    | -92.417 | -89.989 | 0.0 |
| 112 | 13897 | 13898 | NS | 1 | 48.611 | 49.29  | 0.0 | 0.0   | 44.467  | 2.804 | 1015.072 | 1086.72  | 29.126 | -91.664 | -89.684 | 0.0 |
| 113 | 13898 | 13899 | NS | 1 | 48.596 | 49.35  | 0.0 | 0.003 | 267.555 | 2.319 | 1015.528 | 1085.68  | 29.626 | -91.559 | -89.708 | 0.0 |
| 114 | 13898 | 13899 | NS | 1 | 48.596 | 49.35  | 0.0 | 0.003 | 267.555 | 2.213 | 1015.528 | 1085.36  | 29.765 | -91.559 | -89.708 | 0.0 |
| 115 | 13898 | 13899 | SN | 1 | 48.847 | 49.542 | 0.0 | 0.0   | 92.547  | 2.977 | 1045.448 | 1091.432 | 0.0    | -91.794 | -89.989 | 0.0 |
| 116 | 13899 | 13900 | NS | 1 | 48.57  | 49.302 | 0.0 | 0.003 | 185.933 | 2.273 | 1015.816 | 1085.92  | 29.538 | -91.739 | -89.707 | 0.0 |
| 117 | 13899 | 13900 | NS | 1 | 48.57  | 49.302 | 0.0 | 0.003 | 185.933 | 1.978 | 1015.816 | 1083.992 | 30.225 | -91.739 | -89.707 | 0.0 |
| 118 | 13899 | 13900 | SN | 1 | 48.883 | 49.508 | 0.0 | 0.003 | 280.427 | 2.808 | 1045.232 | 1091.528 | 0.0    | -91.867 | -90.003 | 0.0 |
| 119 | 13900 | 13901 | NS | 1 | 48.468 | 49.336 | 0.0 | 0.0   | 260.087 | 2.097 | 1013.312 | 1081.336 | 31.765 | -91.99  | -89.706 | 0.0 |
| 120 | 13900 | 13901 | NS | 1 | 48.468 | 49.345 | 0.0 | 0.0   | 260.087 | 2.816 | 1013.312 | 1085.4   | 30.046 | -91.99  | -89.706 | 0.0 |
| 121 | 13900 | 13901 | SN | 1 | 48.796 | 49.521 | 0.0 | 0.0   | 59.044  | 2.796 | 1045.072 | 1091.664 | 0.0    | -92.223 | -90.002 | 0.0 |
| 122 | 13900 | 13901 | SN | 1 | 48.849 | 49.548 | 0.0 | 0.0   | 59.044  | 2.697 | 1045.072 | 1091.664 | 0.0    | -92.223 | -90.002 | 0.0 |
| 123 | 13901 | 13902 | NS | 1 | 48.607 | 49.295 | 0.0 | 0.003 | 42.226  | 2.543 | 1015.6   | 1087.24  | 29.373 | -91.742 | -89.703 | 0.0 |
| 124 | 13901 | 13902 | SN | 1 | 48.851 | 49.511 | 0.0 | 0.0   | 110.019 | 2.699 | 1045.136 | 1091.808 | 0.0    | -91.742 | -90.001 | 0.0 |
| 125 | 13901 | 13902 | SN | 1 | 48.851 | 49.511 | 0.0 | 0.0   | 110.019 | 1.584 | 1048.672 | 1091.808 | 0.0    | -91.742 | -90.042 | 0.0 |
| 126 | 13901 | 13902 | SN | 2 | 48.852 | 49.512 | 0.0 | 0.0   | 279.677 | 2.701 | 1045.136 | 1091.816 | 0.0    | -91.742 | -90.001 | 0.0 |
| 127 | 13901 | 13902 | NS | 1 | 48.607 | 49.3   | 0.0 | 0.003 | 42.226  | 1.448 | 1015.6   | 1076.328 | 33.52  | -91.636 | -89.703 | 0.0 |
| 128 | 13901 | 13902 | NS | 1 | 48.607 | 49.294 | 0.0 | 0.003 | 42.226  | 2.544 | 1015.6   | 1087.24  | 29.373 | -91.742 | -89.703 | 0.0 |
| 129 | 13902 | 13903 | NS | 1 | 48.571 | 49.295 | 0.0 | 0.0   | 210.436 | 2.772 | 1014.776 | 1087.256 | 26.909 | -91.627 | -89.705 | 0.0 |
| 130 | 13902 | 13903 | NS | 1 | 48.572 | 49.295 | 0.0 | 0.0   | 267.047 | 2.778 | 1014.784 | 1087.256 | 26.929 | -91.61  | -89.705 | 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    | 13873       | 13874     | SN   | 2    | -34.055 | 25.65  | 0.707      | -32.652  | 25.411 | 3.14       | -33.121  | 28.952 | 12.516     | -26.95    | 30.976 | 16.981     | 0.116   | 246.59  | 1.709      | 0.116    | 178.577 | 1.425      | 0.116    | 198.904 | 0.091      | 0.116     | 48.094 | 0.112      |
| 2    | 13873       | 13874     | SN   | 1    | -34.055 | 25.65  | 0.707      | -32.652  | 25.411 | 3.14       | -33.121  | 28.952 | 12.516     | -26.95    | 30.976 | 16.981     | 0.116   | 246.59  | 1.709      | 0.116    | 178.577 | 1.424      | 0.116    | 198.904 | 0.091      | 0.116     | 48.094 | 0.112      |
| 3    | 13873       | 13874     | SN   | 1    | -34.055 | 25.65  | 0.424      | -33.265  | 25.413 | 2.434      | -33.121  | 28.952 | 12.356     | -26.95    | 30.976 | 16.985     | 0.116   | 246.59  | 1.73       | 0.116    | 205.578 | 1.514      | 0.116    | 198.904 | 0.091      | 0.116     | 48.094 | 0.112      |
| 4    | 13874       | 13875     | SN   | 1    | -33.922 | 27.178 | 1.455      | -34.905  | 27.47  | 2.007      | -31.733  | 33.846 | 10.661     | -22.625   | 29.953 | 6.122      | 0.116   | 239.201 | 1.733      | 0.116    | 299.812 | 1.078      | 0.116    | 144.522 | 0.006      | 0.116     | 17.825 | 0.023      |
| 5    | 13874       | 13875     | SN   | 1    | -34.208 | 27.178 | 1.52       | -34.914  | 27.47  | 1.989      | -32.323  | 33.844 | 10.635     | -22.256   | 29.953 | 6.104      | 0.116   | 255.435 | 1.711      | 0.116    | 300.466 | 1.067      | 0.116    | 165.51  | 0.006      | 0.116     | 16.379 | 0.023      |
| 6    | 13874       | 13875     | NS   | 1    | -34.784 | 27.916 | 0.301      | -34.81   | 28.248 | 0.095      | 4.088    | 33.179 | 16.668     | 4.614     | 36.137 | 32.824     | 0.116   | 291.674 | 3.943      | 0.116    | 293.466 | 3.849      | 0.116    | 0.147   | 0.0        | 0.116     | 0.143  | 0.0        |
| 7    | 13874       | 13875     | SN   | 1    | -33.922 | 27.178 | 1.523      | -34.905  | 27.47  | 1.987      | -31.733  | 33.846 | 10.661     | -22.625   | 29.953 | 6.122      | 0.116   | 239.201 | 1.711      | 0.116    | 299.812 | 1.065      | 0.116    | 144.522 | 0.006      | 0.116     | 17.825 | 0.023      |
| 8    | 13875       | 13876     | SN   | 1    | -34.552 | 23.711 | 0.116      | -34.779  | 24.076 | 0.157      | 6.456    | 28.949 | 12.053     | 5.552     | 30.611 | 5.69       | 0.116   | 276.519 | 3.557      | 0.116    | 291.359 | 2.459      | 0.116    | 0.133   | 0.0        | 0.116     | 0.138  | 0.0        |
| 9    | 13875       | 13876     | SN   | 1    | -34.38  | 23.711 | 0.107      | -34.991  | 24.076 | 0.156      | 6.456    | 28.949 | 12.05      | 5.554     | 30.612 | 5.693      | 0.116   | 265.736 | 3.54       | 0.116    | 305.951 | 2.451      | 0.116    | 0.133   | 0.0        | 0.116     | 0.138  | 0.0        |
| 10   | 13875       | 13876     | SN   | 1    | -34.552 | 23.711 | 0.115      | -34.779  | 24.076 | 0.155      | 6.456    | 28.949 | 12.053     | 5.552     | 30.611 | 5.69       | 0.116   | 276.519 | 3.518      | 0.116    | 291.359 | 2.436      | 0.116    | 0.133   | 0.0        | 0.116     | 0.138  | 0.0        |
| 11   | 13875       | 13876     | NS   | 2    | -34.875 | 25.589 | 0.021      | -34.315  | 24.989 | 0.013      | -5.317   | 29.785 | 11.418     | -7.193    | 30.329 | 21.565     | 0.116   | 297.819 | 4.212      | 0.116    | 261.808 | 3.798      | 0.116    | 0.425   | 0.0        | 0.116     | 0.601  | 0.0        |
| 12   | 13875       | 13876     | NS   | 1    | -34.875 | 25.589 | 0.021      | -34.315  | 24.989 | 0.013      | -5.317   | 29.785 | 11.418     | -7.193    | 30.329 | 21.565     | 0.116   | 297.819 | 4.212      | 0.116    | 261.808 | 3.8        | 0.116    | 0.425   | 0.0        | 0.116     | 0.601  | 0.0        |
| 13   | 13876       | 13877     | NS   | 1    | -34.786 | 24.854 | 0.026      | -34.847  | 24.99  | 0.025      | -4.763   | 29.859 | 10.217     | -7.804    | 30.159 | 18.526     | 0.116   | 291.704 | 5.181      | 0.116    | 295.9   | 5.56       | 0.116    | 0.386   | 0.0        | 0.116     | 0.678  | 0.0        |
| 14   | 13876       | 13877     | SN   | 1    | -34.781 | 23.79  | 0.106      | -34.742  | 24.703 | 0.311      | 3.668    | 27.535 | 12.699     | -7.899    | 27.933 | 6.55       | 0.116   | 291.444 | 2.221      | 0.116    | 288.818 | 1.989      | 0.116    | 0.15    | 0.0        | 0.116     | 0.69   | 0.0        |
| 15   | 13876       | 13877     | SN   | 1    | -34.781 | 23.79  | 0.105      | -34.742  | 24.703 | 0.31       | 3.671    | 27.535 | 12.705     | -7.899    | 27.933 | 6.546      | 0.116   | 291.444 | 2.214      | 0.116    | 288.818 | 1.984      | 0.116    | 0.15    | 0.0        | 0.116     | 0.69   | 0.0        |
| 16   | 13876       | 13877     | NS   | 1    | -34.786 | 24.854 | 0.026      | -34.847  | 24.99  | 0.025      | -4.763   | 29.857 | 10.118     | -7.804    | 30.159 | 18.413     | 0.116   | 291.704 | 5.181      | 0.116    | 295.9   | 5.563      | 0.116    | 0.386   | 0.0        | 0.116     | 0.678  | 0.0        |
| 17   | 13876       | 13877     | SN   | 2    | -34.781 | 23.79  | 0.105      | -34.742  | 24.703 | 0.31       | 3.671    | 27.535 | 12.705     | -7.899    | 27.933 | 6.546      | 0.116   | 291.444 | 2.214      | 0.116    | 288.818 | 1.984      | 0.116    | 0.15    | 0.0        | 0.116     | 0.69   | 0.0        |
| 18   | 13877       | 13878     | SN   | 1    | -34.739 | 24.067 | 0.197      | -34.916  | 27.254 | 0.363      | 6.357    | 28.417 | 17.268     | 7.78      | 28.422 | 19.262     | 0.116   | 288.615 | 4.259      | 0.116    | 300.587 | 3.457      | 0.116    | 0.134   | 0.0        | 0.116     | 0.129  | 0.0        |
| 19   | 13877       | 13878     | NS   | 1    | -34.441 | 22.164 | 0.004      | -33.437  | 22.993 | 0.016      | -24.408  | 28.748 | 7.49       | 0.573     | 29.591 | 13.576     | 0.116   | 269.473 | 3.903      | 0.116    | 213.861 | 3.852      | 0.116    | 26.824  | 0.005      | 0.116     | 0.189  | 0.0        |
| 20   | 13877       | 13878     | SN   | 1    | -34.812 | 24.067 | 0.197      | -34.916  | 27.254 | 0.363      | 6.357    | 28.417 | 17.268     | 7.78      | 28.422 | 19.262     | 0.116   | 293.554 | 4.259      | 0.116    | 300.587 | 3.457      | 0.116    | 0.134   | 0.0        | 0.116     | 0.129  | 0.0        |
| 21   | 13877       | 13878     | NS   | 1    | -34.441 | 22.163 | 0.004      | -33.437  | 22.996 | 0.016      | -24.408  | 28.747 | 7.499      | 0.573     | 29.59  | 13.647     | 0.116   | 269.473 | 3.897      | 0.116    | 213.861 | 3.848      | 0.116    | 26.824  | 0.005      | 0.116     | 0.189  | 0.0        |
| 22   | 13877       | 13878     | SN   | 1    | -34.866 | 24.065 | 0.206      | -34.916  | 27.254 | 0.371      | 6.357    | 28.417 | 17.405     | 7.78      | 28.422 | 19.992     | 0.116   | 297.156 | 4.387      | 0.116    | 300.587 | 3.534      | 0.116    | 0.134   | 0.0        | 0.116     | 0.129  | 0.0        |
| 23   | 13878       | 13879     | SN   | 1    | -34.934 | 22.478 | 0.005      | -34.584  | 23.133 | 0.007      | 6.212    | 27.849 | 15.781     | 8.469     | 28.966 | 11.906     | 0.116   | 301.942 | 5.04       | 0.116    | 278.553 | 3.711      | 0.116    | 0.134   | 0.0        | 0.116     | 0.127  | 0.0        |
| 24   | 13878       | 13879     | SN   | 1    | -34.815 | 22.478 | 0.006      | -34.584  | 23.133 | 0.007      | 6.212    | 27.849 | 16.154     | 8.469     | 28.966 | 12.183     | 0.116   | 293.713 | 5.12       | 0.116    | 278.553 | 3.791      | 0.116    | 0.134   | 0.0        | 0.116     | 0.127  | 0.0        |
| 25   | 13878       | 13879     | SN   | 2    | -34.934 | 22.478 | 0.005      | -34.468  | 23.133 | 0.007      | 6.212    | 27.849 | 15.778     | 8.469     | 28.966 | 11.899     | 0.116   | 301.942 | 5.04       | 0.116    | 271.177 | 3.711      | 0.116    | 0.134   | 0.0        | 0.116     | 0.127  | 0.0        |
| 26   | 13878       | 13879     | NS   | 2    | -33.826 | 27.721 | 0.028      | -34.332  | 23.221 | 0.025      | -12.944  | 28.928 | 9.329      | -10.328   | 29.905 | 14.92      | 0.116   | 233.931 | 3.484      | 0.116    | 262.807 | 3.015      | 0.116    | 1.999   | 0.008      | 0.116     | 1.136  | 0.002      |
| 27   | 13878       | 13879     | NS   | 1    | -33.936 | 27.721 | 0.028      | -34.162  | 23.221 | 0.025      | -12.954  | 28.928 | 9.329      | -10.329   | 29.905 | 14.92      | 0.116   | 239.949 | 3.485      | 0.116    | 252.735 | 3.015      | 0.116    | 2.004   | 0.008      | 0.116     | 1.137  | 0.002      |
| 28   | 13879       | 13880     | NS   | 1    | -34.891 | 27.167 | 0.163      | -34.388  | 28.446 | 0.28       | -6.629   | 31.237 | 11.958     | -8.284    | 33.188 | 17.48      | 0.116   | 298.91  | 2.335      | 0.116    | 266.262 | 2.405      | 0.116    | 0.54    | 0.0        | 0.116     | 0.745  | 0.0        |
| 29   | 13879       | 13880     | SN   | 1    | -34.416 | 21.579 | 0.0        | -34.803  | 22.735 | 0.001      | -29.459  | 29.361 | 12.16      | -4.826    | 29.259 | 11.384     | 0.116   | 267.945 | 4.682      | 0.116    | 292.913 | 3.76       | 0.116    | 85.635  | 0.003      | 0.116     | 0.39   | 0.0        |
| 30   | 13879       | 13880     | SN   | 1    | -34.416 | 21.579 | 0.0        | -34.803  | 22.735 | 0.002      | -29.459  | 29.361 | 12.111     | -4.826    | 29.259 | 11.406     | 0.116   | 267.945 | 4.543      | 0.116    | 292.913 | 3.697      | 0.116    | 85.635  | 0.003      | 0.116     | 0.39   | 0.0        |
| 31   | 13879       | 13880     | SN   | 2    | -34.416 | 21.579 | 0.0        | -34.914  | 22.735 | 0.002      | -29.461  | 29.359 | 12.114     | -4.826    | 29.259 | 11.405     | 0.116   | 267.945 | 4.543      | 0.116    | 300.499 | 3.7        | 0.116    | 85.667  | 0.003      | 0.116     | 0.39   | 0.0        |
| 32   | 13879       | 13880     | NS   | 1    | -34.891 | 27.167 | 0.163      | -34.8    | 28.446 | 0.279      | -6.409   | 31.236 | 11.957     | -8.295    | 33.188 | 17.465     | 0.116   | 298.91  | 2.359      | 0.116    | 292.697 | 2.416      | 0.116    | 0.518   | 0.0        | 0.116     | 0.747  | 0.0        |
| 33   | 13880       | 13881     | SN   | 1    | -32.958 | 23.635 | 0.012      | -34.222  | 24.768 | 0.018      | -3.024   | 34.047 | 13.318     | 1.538     | 32.806 | 13.772     | 0.116   | 191.602 | 4.987      | 0.116    | 256.265 | 4.809      | 0.116    | 0.293   | 0.0        | 0.116     | 0.174  | 0.0        |

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

- Normal
- Deviations
- Alarming
- High Errors

|    |       |       |    |   |         |        |       |         |        |       |         |        |        |         |        |        |       |         |       |       |         |       |       |         |       |       |         |       |
|----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|
| 34 | 13880 | 13881 | SN | 1 | -33.452 | 23.635 | 0.012 | -34.772 | 24.768 | 0.018 | -3.002  | 34.045 | 13.331 | 1.538   | 32.806 | 13.795 | 0.116 | 214.609 | 5.0   | 0.116 | 290.842 | 4.807 | 0.116 | 0.292   | 0.0   | 0.116 | 0.174   | 0.0   |
| 35 | 13880 | 13881 | SN | 1 | -33.452 | 23.635 | 0.012 | -34.772 | 24.768 | 0.02  | -3.002  | 34.045 | 13.658 | 1.538   | 32.806 | 13.774 | 0.116 | 214.609 | 5.119 | 0.116 | 290.842 | 5.146 | 0.116 | 0.292   | 0.0   | 0.116 | 0.174   | 0.0   |
| 36 | 13880 | 13881 | NS | 1 | -34.917 | 27.24  | 0.27  | -34.227 | 28.075 | 0.432 | 6.971   | 33.242 | 14.01  | 7.327   | 29.735 | 26.614 | 0.116 | 300.682 | 1.917 | 0.116 | 256.555 | 1.844 | 0.116 | 0.131   | 0.0   | 0.116 | 0.13    | 0.0   |
| 37 | 13881 | 13882 | NS | 1 | -34.154 | 25.699 | 0.338 | -33.265 | 24.284 | 0.57  | -5.47   | 29.212 | 28.589 | -1.596  | 30.507 | 44.29  | 0.116 | 252.323 | 1.804 | 0.116 | 205.557 | 1.412 | 0.116 | 0.437   | 0.0   | 0.116 | 0.241   | 0.0   |
| 38 | 13881 | 13882 | SN | 1 | -34.94  | 26.16  | 0.074 | -34.953 | 26.299 | 0.24  | -14.195 | 29.044 | 16.683 | -4.532  | 30.117 | 15.603 | 0.116 | 302.331 | 6.708 | 0.116 | 303.14  | 6.528 | 0.116 | 2.635   | 0.002 | 0.116 | 0.372   | 0.0   |
| 39 | 13881 | 13882 | SN | 1 | -34.868 | 26.16  | 0.073 | -34.773 | 26.299 | 0.353 | -14.184 | 29.044 | 16.692 | -4.508  | 30.117 | 15.934 | 0.116 | 297.357 | 6.665 | 0.116 | 290.95  | 6.505 | 0.116 | 2.629   | 0.002 | 0.116 | 0.37    | 0.0   |
| 40 | 13881 | 13882 | NS | 2 | -34.154 | 25.708 | 0.338 | -32.852 | 24.284 | 0.569 | -5.47   | 29.212 | 28.589 | -1.596  | 30.507 | 44.292 | 0.116 | 252.323 | 1.804 | 0.116 | 186.942 | 1.41  | 0.116 | 0.437   | 0.0   | 0.116 | 0.241   | 0.0   |
| 41 | 13882 | 13883 | SN | 1 | -34.971 | 27.874 | 0.094 | -34.507 | 28.366 | 0.758 | -3.828  | 30.738 | 13.775 | -1.59   | 29.783 | 11.617 | 0.116 | 304.519 | 9.043 | 0.116 | 273.617 | 7.596 | 0.116 | 0.331   | 0.0   | 0.116 | 0.24    | 0.0   |
| 42 | 13882 | 13883 | NS | 1 | -34.977 | 24.062 | 0.697 | -34.001 | 24.833 | 0.733 | -33.947 | 30.775 | 14.958 | -32.59  | 30.103 | 28.591 | 0.116 | 304.943 | 2.446 | 0.116 | 243.599 | 2.294 | 0.116 | 240.574 | 0.484 | 0.116 | 176.009 | 0.321 |
| 43 | 13882 | 13883 | NS | 2 | -34.977 | 24.062 | 0.697 | -34.001 | 24.833 | 0.733 | -33.947 | 30.775 | 14.958 | -32.59  | 30.103 | 28.591 | 0.116 | 304.943 | 2.446 | 0.116 | 243.599 | 2.294 | 0.116 | 240.574 | 0.484 | 0.116 | 176.009 | 0.321 |
| 44 | 13883 | 13884 | NS | 2 | -34.764 | 24.703 | 1.259 | -34.26  | 25.241 | 0.871 | 4.097   | 28.843 | 15.963 | 2.376   | 32.181 | 24.044 | 0.116 | 290.27  | 2.212 | 0.116 | 258.463 | 2.282 | 0.116 | 0.147   | 0.0   | 0.116 | 0.163   | 0.0   |
| 45 | 13883 | 13884 | NS | 1 | -34.764 | 24.703 | 1.259 | -34.26  | 25.241 | 0.871 | 4.097   | 28.843 | 15.963 | 2.376   | 32.181 | 24.042 | 0.116 | 290.27  | 2.212 | 0.116 | 258.463 | 2.282 | 0.116 | 0.147   | 0.0   | 0.116 | 0.163   | 0.0   |
| 46 | 13883 | 13884 | SN | 1 | -34.639 | 27.927 | 0.021 | -33.138 | 28.242 | 1.271 | -18.621 | 28.972 | 17.273 | -6.686  | 30.28  | 17.504 | 0.116 | 282.014 | 2.366 | 0.116 | 199.664 | 2.551 | 0.116 | 7.144   | 0.017 | 0.116 | 0.546   | 0.0   |
| 47 | 13884 | 13885 | SN | 1 | -34.178 | 25.127 | 0.031 | -34.226 | 26.103 | 2.939 | -7.818  | 30.956 | 14.99  | -18.107 | 31.271 | 16.408 | 0.116 | 253.637 | 3.187 | 0.116 | 256.48  | 2.828 | 0.116 | 0.679   | 0.0   | 0.116 | 6.356   | 0.001 |
| 48 | 13884 | 13885 | NS | 1 | -34.648 | 27.427 | 1.461 | -34.352 | 27.214 | 1.348 | 5.961   | 28.812 | 26.59  | 9.083   | 29.565 | 38.421 | 0.116 | 282.638 | 2.629 | 0.116 | 264.042 | 2.673 | 0.116 | 0.136   | 0.0   | 0.116 | 0.125   | 0.0   |
| 49 | 13884 | 13885 | SN | 2 | -34.178 | 25.127 | 0.031 | -34.226 | 26.103 | 2.939 | -7.818  | 30.956 | 14.99  | -18.107 | 31.271 | 16.408 | 0.116 | 253.637 | 3.187 | 0.116 | 256.48  | 2.828 | 0.116 | 0.679   | 0.0   | 0.116 | 6.356   | 0.001 |
| 50 | 13884 | 13885 | NS | 1 | -34.789 | 27.427 | 1.457 | -34.875 | 27.214 | 1.345 | 5.961   | 28.812 | 26.593 | 9.083   | 29.565 | 38.425 | 0.116 | 291.926 | 2.623 | 0.116 | 297.83  | 2.669 | 0.116 | 0.136   | 0.0   | 0.116 | 0.125   | 0.0   |
| 51 | 13884 | 13885 | NS | 1 | -34.648 | 27.427 | 1.461 | -34.352 | 27.214 | 1.348 | 5.961   | 28.807 | 21.428 | 9.083   | 29.568 | 35.349 | 0.116 | 282.638 | 2.629 | 0.116 | 264.042 | 2.673 | 0.116 | 0.136   | 0.0   | 0.116 | 0.125   | 0.0   |
| 52 | 13885 | 13886 | NS | 1 | -34.414 | 26.31  | 1.07  | -34.844 | 25.467 | 0.3   | -9.467  | 28.465 | 21.715 | 0.29    | 29.927 | 39.794 | 0.116 | 267.834 | 2.684 | 0.116 | 295.673 | 2.52  | 0.116 | 0.949   | 0.0   | 0.116 | 0.194   | 0.0   |
| 53 | 13885 | 13886 | NS | 1 | -34.414 | 26.307 | 1.069 | -34.818 | 25.467 | 0.3   | -9.467  | 28.467 | 26.955 | 0.29    | 29.927 | 39.283 | 0.116 | 267.834 | 2.68  | 0.116 | 293.912 | 2.518 | 0.116 | 0.949   | 0.0   | 0.116 | 0.194   | 0.0   |
| 54 | 13885 | 13886 | NS | 1 | -34.414 | 26.306 | 1.07  | -34.844 | 25.467 | 0.3   | -9.467  | 28.467 | 26.949 | 0.29    | 29.927 | 39.297 | 0.116 | 267.834 | 2.684 | 0.116 | 295.673 | 2.52  | 0.116 | 0.949   | 0.0   | 0.116 | 0.194   | 0.0   |
| 55 | 13885 | 13886 | SN | 1 | -33.959 | 24.981 | 0.152 | -34.626 | 25.434 | 2.328 | -8.256  | 29.758 | 25.052 | -7.354  | 30.484 | 27.165 | 0.116 | 241.195 | 3.401 | 0.116 | 281.289 | 3.13  | 0.116 | 0.741   | 0.0   | 0.116 | 0.62    | 0.0   |
| 56 | 13886 | 13887 | NS | 1 | -34.929 | 25.829 | 1.089 | -34.304 | 25.691 | 0.314 | 7.902   | 29.287 | 26.124 | 8.8     | 29.701 | 41.846 | 0.116 | 301.616 | 2.396 | 0.116 | 261.121 | 1.943 | 0.116 | 0.128   | 0.0   | 0.116 | 0.126   | 0.0   |
| 57 | 13886 | 13887 | SN | 1 | -34.912 | 24.274 | 0.39  | -34.741 | 25.434 | 1.808 | 7.525   | 29.061 | 44.216 | 8.086   | 29.812 | 54.511 | 0.116 | 300.342 | 3.539 | 0.116 | 288.733 | 2.817 | 0.116 | 0.129   | 0.0   | 0.116 | 0.128   | 0.0   |
| 58 | 13886 | 13887 | NS | 1 | -32.081 | 25.829 | 1.077 | -34.764 | 25.691 | 0.314 | 7.902   | 29.284 | 27.149 | 8.8     | 29.701 | 42.243 | 0.116 | 156.543 | 2.39  | 0.116 | 290.279 | 1.947 | 0.116 | 0.128   | 0.0   | 0.116 | 0.126   | 0.0   |
| 59 | 13886 | 13887 | SN | 2 | -34.912 | 24.274 | 0.39  | -34.741 | 25.434 | 1.808 | 7.526   | 29.061 | 44.22  | 8.086   | 29.812 | 54.514 | 0.116 | 300.412 | 3.538 | 0.116 | 288.733 | 2.817 | 0.116 | 0.129   | 0.0   | 0.116 | 0.128   | 0.0   |
| 60 | 13886 | 13887 | NS | 1 | -32.081 | 25.821 | 1.067 | -34.764 | 25.682 | 0.314 | 8.385   | 27.209 | 9.457  | 8.801   | 28.867 | 20.582 | 0.116 | 156.543 | 2.395 | 0.116 | 290.279 | 1.947 | 0.116 | 0.127   | 0.0   | 0.116 | 0.126   | 0.0   |
| 61 | 13887 | 13888 | SN | 1 | -33.096 | 23.821 | 0.313 | -33.307 | 25.352 | 1.904 | -19.436 | 29.135 | 16.907 | -23.291 | 30.297 | 18.344 | 0.116 | 197.757 | 1.593 | 0.116 | 207.574 | 1.34  | 0.116 | 8.599   | 0.005 | 0.116 | 20.766  | 0.023 |
| 62 | 13887 | 13888 | SN | 1 | -30.768 | 23.82  | 0.313 | -34.018 | 25.352 | 1.905 | -19.008 | 29.135 | 16.957 | -23.424 | 30.297 | 18.311 | 0.116 | 115.716 | 1.59  | 0.116 | 244.488 | 1.337 | 0.116 | 7.801   | 0.005 | 0.116 | 21.406  | 0.023 |
| 63 | 13887 | 13888 | NS | 1 | -34.863 | 25.566 | 0.87  | -34.481 | 27.474 | 0.508 | 0.743   | 29.73  | 15.958 | 5.243   | 30.006 | 27.153 | 0.116 | 297.021 | 5.249 | 0.116 | 271.993 | 4.848 | 0.116 | 0.186   | 0.0   | 0.116 | 0.139   | 0.0   |
| 64 | 13887 | 13888 | SN | 1 | -34.314 | 22.252 | 0.001 | -34.018 | 24.415 | 0.087 | -19.008 | 29.135 | 16.003 | -23.424 | 30.297 | 17.887 | 0.116 | 261.764 | 1.63  | 0.116 | 244.488 | 1.447 | 0.116 | 7.801   | 0.005 | 0.116 | 21.406  | 0.023 |
| 65 | 13887 | 13888 | NS | 1 | -34.863 | 24.653 | 0.888 | -34.481 | 27.478 | 0.511 | 0.751   | 25.21  | 8.145  | 5.245   | 27.144 | 11.11  | 0.116 | 297.021 | 5.588 | 0.116 | 271.993 | 4.879 | 0.116 | 0.186   | 0.0   | 0.116 | 0.139   | 0.0   |
| 66 | 13887 | 13888 | NS | 1 | -34.863 | 25.566 | 0.87  | -34.481 | 27.474 | 0.508 | 0.751   | 29.73  | 16.004 | 5.245   | 30.006 | 27.248 | 0.116 | 297.021 | 5.249 | 0.116 | 271.993 | 4.85  | 0.116 | 0.186   | 0.0   | 0.116 | 0.139   | 0.0   |
| 67 | 13888 | 13889 | SN | 1 | -34.583 | 26.746 | 2.2   | -33.912 | 27.639 | 3.096 | -27.682 | 36.383 | 13.491 | -29.164 | 29.84  | 17.511 | 0.116 | 278.497 | 2.717 | 0.116 | 238.561 | 1.912 | 0.116 | 56.909  | 0.154 | 0.116 | 80.018  | 0.132 |
| 68 | 13888 | 13889 | NS | 1 | -34.914 | 28.733 | 0.718 | -34.939 | 28.819 | 0.051 | 8.175   | 30.492 | 18.818 | 7.672   | 34.584 | 30.52  | 0.116 | 300.45  | 4.432 | 0.116 | 302.178 | 3.544 | 0.116 | 0.127   | 0.0   | 0.116 | 0.129   | 0.0   |
| 69 | 13888 | 13889 | SN | 1 | -34.637 | 26.746 | 0.878 | -34.581 | 27.639 | 3.204 | -27.669 | 36.383 | 13.505 | -28.874 | 29.84  | 17.515 | 0.116 | 281.91  | 2.863 | 0.116 | 278.364 | 2.014 | 0.116 | 56.742  | 0.154 | 0.116 | 74.869  | 0.132 |
| 70 | 13888 | 13889 | SN | 1 | -34.637 | 26.746 | 2.203 | -34.581 | 27.639 | 3.099 | -27.669 | 36.383 | 13.506 | -28.874 | 29.84  | 17.513 | 0.116 | 281.91  | 2.716 | 0.116 | 278.364 | 1.916 | 0.116 | 56.742  | 0.154 | 0.116 | 74.869  | 0.132 |
| 71 | 13889 | 13890 | NS | 1 | -34.515 | 27.653 | 0.045 | -34.524 | 27.965 | 0.028 | -15.802 | 34.785 | 12.061 | -7.653  | 32.933 | 24.459 | 0.116 | 274.097 | 4.386 | 0.116 | 274.675 | 4.272 | 0.116 | 3.776   | 0.002 | 0.116 | 0.658   | 0.0   |
| 72 | 13889 | 13890 | SN | 1 | -34.86  | 27.057 | 0.944 | -34.586 | 27.886 | 1.175 | 5.436   | 30.182 | 9.215  | 6.946   | 30.303 | 4.206  | 0.116 | 296.73  | 3.07  | 0.116 | 278.69  | 2.599 | 0.116 | 0.138   | 0.0   | 0.116 | 0.131   | 0.0   |

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

Normal

Deviations

Alarming

High Errors



|     |       |       |    |   |         |        |       |         |        |       |         |        |        |         |        |        |       |         |        |       |         |       |       |        |       |       |        |       |
|-----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|--------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 73  | 13889 | 13890 | NS | 1 | -34.953 | 27.653 | 0.052 | -34.57  | 27.965 | 0.028 | -15.802 | 34.785 | 12.057 | -7.653  | 32.933 | 24.469 | 0.116 | 303.171 | 4.383  | 0.116 | 277.705 | 4.272 | 0.116 | 3.776  | 0.002 | 0.116 | 0.658  | 0.0   |
| 74  | 13889 | 13890 | SN | 2 | -34.86  | 27.057 | 0.944 | -34.586 | 27.886 | 1.175 | 5.436   | 30.182 | 9.215  | 6.946   | 30.303 | 4.206  | 0.116 | 296.73  | 3.07   | 0.116 | 278.69  | 2.599 | 0.116 | 0.138  | 0.0   | 0.116 | 0.131  | 0.0   |
| 75  | 13889 | 13890 | SN | 1 | -34.86  | 27.057 | 0.931 | -34.586 | 27.886 | 1.156 | 5.436   | 30.182 | 9.215  | 6.946   | 30.303 | 4.206  | 0.116 | 296.73  | 3.014  | 0.116 | 278.69  | 2.555 | 0.116 | 0.138  | 0.0   | 0.116 | 0.131  | 0.0   |
| 76  | 13890 | 13891 | NS | 1 | -34.414 | 25.127 | 0.004 | -34.807 | 25.224 | 0.012 | -0.137  | 31.599 | 11.466 | -5.42   | 29.732 | 20.471 | 0.116 | 267.804 | 7.92   | 0.116 | 293.18  | 7.697 | 0.116 | 0.203  | 0.0   | 0.116 | 0.433  | 0.0   |
| 77  | 13890 | 13891 | SN | 1 | -34.843 | 25.247 | 0.123 | -34.855 | 25.334 | 0.258 | 4.906   | 28.267 | 15.425 | 6.976   | 29.13  | 8.402  | 0.116 | 295.629 | 3.328  | 0.116 | 296.436 | 2.21  | 0.116 | 0.141  | 0.0   | 0.116 | 0.131  | 0.0   |
| 78  | 13890 | 13891 | SN | 1 | -34.843 | 25.247 | 0.121 | -34.855 | 25.334 | 0.255 | 4.898   | 28.267 | 15.425 | 6.976   | 29.13  | 8.396  | 0.116 | 295.629 | 3.277  | 0.116 | 296.436 | 2.179 | 0.116 | 0.141  | 0.0   | 0.116 | 0.131  | 0.0   |
| 79  | 13890 | 13891 | SN | 1 | -34.843 | 25.247 | 0.121 | -34.855 | 25.334 | 0.255 | 4.898   | 28.267 | 15.425 | 6.976   | 29.13  | 8.396  | 0.116 | 295.629 | 3.277  | 0.116 | 296.436 | 2.179 | 0.116 | 0.141  | 0.0   | 0.116 | 0.131  | 0.0   |
| 80  | 13890 | 13891 | NS | 1 | -34.414 | 25.127 | 0.004 | -34.807 | 25.224 | 0.012 | -0.137  | 31.599 | 11.359 | -5.42   | 29.732 | 20.436 | 0.116 | 267.804 | 7.92   | 0.116 | 293.18  | 7.701 | 0.116 | 0.203  | 0.0   | 0.116 | 0.433  | 0.0   |
| 81  | 13891 | 13892 | NS | 1 | -34.003 | 27.557 | 0.05  | -34.772 | 26.587 | 0.046 | -5.507  | 31.095 | 7.176  | -18.599 | 29.862 | 14.132 | 0.116 | 243.678 | 2.895  | 0.116 | 290.836 | 2.94  | 0.116 | 0.44   | 0.0   | 0.116 | 7.107  | 0.001 |
| 82  | 13891 | 13892 | NS | 1 | -32.657 | 27.557 | 0.05  | -32.878 | 26.587 | 0.046 | -5.506  | 31.097 | 7.158  | -18.622 | 29.864 | 14.1   | 0.116 | 178.742 | 2.888  | 0.116 | 188.11  | 2.94  | 0.116 | 0.44   | 0.0   | 0.116 | 7.146  | 0.001 |
| 83  | 13891 | 13892 | SN | 1 | -34.594 | 23.686 | 0.1   | -34.728 | 24.537 | 0.297 | 4.932   | 27.845 | 14.355 | 5.795   | 28.264 | 11.146 | 0.116 | 279.138 | 2.512  | 0.116 | 287.938 | 1.832 | 0.116 | 0.141  | 0.0   | 0.116 | 0.136  | 0.0   |
| 84  | 13891 | 13892 | SN | 1 | -34.697 | 23.686 | 0.102 | -34.728 | 24.537 | 0.303 | 4.937   | 27.845 | 14.365 | 5.795   | 28.264 | 11.214 | 0.116 | 285.874 | 2.567  | 0.116 | 287.938 | 1.866 | 0.116 | 0.141  | 0.0   | 0.116 | 0.136  | 0.0   |
| 85  | 13891 | 13892 | SN | 2 | -34.594 | 23.686 | 0.1   | -34.728 | 24.537 | 0.297 | 4.932   | 27.845 | 14.355 | 5.795   | 28.264 | 11.146 | 0.116 | 279.138 | 2.512  | 0.116 | 287.938 | 1.832 | 0.116 | 0.141  | 0.0   | 0.116 | 0.136  | 0.0   |
| 86  | 13892 | 13893 | NS | 1 | -34.699 | 23.242 | 0.005 | -34.697 | 23.533 | 0.03  | -8.654  | 28.358 | 11.538 | -2.286  | 30.465 | 18.685 | 0.116 | 285.949 | 2.973  | 0.116 | 285.896 | 2.707 | 0.116 | 0.803  | 0.0   | 0.116 | 0.264  | 0.0   |
| 87  | 13892 | 13893 | SN | 1 | -34.948 | 23.854 | 0.038 | -34.999 | 24.639 | 0.046 | -15.872 | 28.338 | 15.429 | -22.406 | 29.013 | 18.002 | 0.116 | 302.894 | 5.233  | 0.116 | 306.489 | 4.802 | 0.116 | 3.835  | 0.015 | 0.116 | 16.952 | 0.024 |
| 88  | 13892 | 13893 | SN | 2 | -34.948 | 23.854 | 0.038 | -34.999 | 24.639 | 0.046 | -15.872 | 28.338 | 15.429 | -22.406 | 29.013 | 18.002 | 0.116 | 302.894 | 5.233  | 0.116 | 306.489 | 4.802 | 0.116 | 3.835  | 0.015 | 0.116 | 16.952 | 0.024 |
| 89  | 13892 | 13893 | SN | 3 | -34.948 | 23.854 | 0.038 | -34.999 | 24.639 | 0.046 | -15.872 | 28.338 | 15.429 | -22.406 | 29.013 | 18.002 | 0.116 | 302.894 | 5.233  | 0.116 | 306.489 | 4.802 | 0.116 | 3.835  | 0.015 | 0.116 | 16.952 | 0.024 |
| 90  | 13892 | 13893 | NS | 1 | -34.422 | 23.236 | 0.005 | -34.94  | 23.533 | 0.03  | -8.643  | 28.358 | 11.582 | -2.292  | 30.465 | 18.673 | 0.116 | 268.306 | 2.968  | 0.116 | 302.297 | 2.709 | 0.116 | 0.801  | 0.0   | 0.116 | 0.264  | 0.0   |
| 91  | 13893 | 13894 | NS | 2 | -34.8   | 23.912 | 0.008 | -33.887 | 22.927 | 0.016 | -9.387  | 30.346 | 8.611  | -13.069 | 35.603 | 14.32  | 0.116 | 292.723 | 2.997  | 0.116 | 237.212 | 2.556 | 0.116 | 0.933  | 0.0   | 0.116 | 2.055  | 0.006 |
| 92  | 13893 | 13894 | SN | 1 | -34.631 | 21.536 | 0.0   | -34.928 | 21.432 | 0.0   | 5.942   | 27.958 | 14.692 | 7.991   | 28.829 | 13.088 | 0.116 | 281.508 | 4.095  | 0.116 | 301.452 | 3.661 | 0.116 | 0.136  | 0.0   | 0.116 | 0.128  | 0.0   |
| 93  | 13893 | 13894 | SN | 1 | -34.674 | 21.536 | 0.0   | -34.376 | 21.878 | 0.0   | 5.942   | 27.958 | 13.818 | 7.991   | 28.829 | 12.969 | 0.116 | 284.39  | 3.933  | 0.116 | 265.463 | 3.471 | 0.116 | 0.136  | 0.0   | 0.116 | 0.128  | 0.0   |
| 94  | 13893 | 13894 | NS | 1 | -34.852 | 23.912 | 0.008 | -33.704 | 22.927 | 0.016 | -9.387  | 31.65  | 8.605  | -13.067 | 35.603 | 14.321 | 0.116 | 296.288 | 2.997  | 0.116 | 227.473 | 2.556 | 0.116 | 0.933  | 0.0   | 0.116 | 2.054  | 0.006 |
| 95  | 13893 | 13894 | SN | 1 | -34.631 | 21.536 | 0.0   | -34.928 | 21.878 | 0.0   | 5.942   | 27.958 | 13.826 | 7.991   | 28.829 | 12.97  | 0.116 | 281.508 | 3.934  | 0.116 | 301.452 | 3.477 | 0.116 | 0.136  | 0.0   | 0.116 | 0.128  | 0.0   |
| 96  | 13894 | 13895 | NS | 1 | -34.824 | 26.57  | 0.195 | -33.201 | 27.936 | 0.473 | 7.791   | 28.374 | 16.004 | 3.342   | 29.898 | 26.553 | 0.116 | 294.391 | 1.929  | 0.116 | 202.581 | 1.752 | 0.116 | 0.128  | 0.0   | 0.116 | 0.153  | 0.0   |
| 97  | 13894 | 13895 | SN | 1 | -34.721 | 24.822 | 0.024 | -34.809 | 24.751 | 0.027 | 2.772   | 33.105 | 11.401 | 5.242   | 35.122 | 11.704 | 0.116 | 287.433 | 6.685  | 0.116 | 293.319 | 4.87  | 0.116 | 0.158  | 0.0   | 0.116 | 0.139  | 0.0   |
| 98  | 13894 | 13895 | SN | 1 | -34.592 | 24.822 | 0.024 | -34.827 | 24.751 | 0.027 | 2.774   | 33.105 | 11.394 | 5.242   | 35.122 | 11.8   | 0.116 | 279.025 | 6.667  | 0.116 | 294.521 | 4.89  | 0.116 | 0.158  | 0.0   | 0.116 | 0.139  | 0.0   |
| 99  | 13894 | 13895 | SN | 1 | -34.721 | 24.822 | 0.025 | -34.809 | 24.751 | 0.025 | 2.772   | 33.105 | 11.448 | 5.242   | 35.122 | 11.633 | 0.116 | 287.433 | 7.014  | 0.116 | 293.319 | 5.197 | 0.116 | 0.158  | 0.0   | 0.116 | 0.139  | 0.0   |
| 100 | 13894 | 13895 | NS | 2 | -34.42  | 26.57  | 0.194 | -33.201 | 27.936 | 0.474 | 7.791   | 28.374 | 16.001 | 3.342   | 29.898 | 26.557 | 0.116 | 268.233 | 1.929  | 0.116 | 202.581 | 1.751 | 0.116 | 0.128  | 0.0   | 0.116 | 0.153  | 0.0   |
| 101 | 13895 | 13896 | SN | 1 | -33.647 | 24.769 | 0.062 | -34.843 | 25.922 | 0.073 | -5.405  | 34.777 | 15.793 | -9.868  | 31.666 | 18.871 | 0.116 | 224.512 | 2.051  | 0.116 | 295.612 | 2.565 | 0.116 | 0.432  | 0.0   | 0.116 | 1.032  | 0.002 |
| 102 | 13895 | 13896 | SN | 2 | -33.327 | 24.769 | 0.062 | -33.808 | 25.922 | 0.073 | -5.394  | 34.777 | 15.796 | -9.868  | 31.666 | 18.868 | 0.116 | 208.523 | 2.047  | 0.116 | 232.92  | 2.562 | 0.116 | 0.431  | 0.0   | 0.116 | 1.032  | 0.002 |
| 103 | 13895 | 13896 | NS | 1 | -34.532 | 24.65  | 0.191 | -34.148 | 24.536 | 0.28  | 2.997   | 30.945 | 22.728 | 2.994   | 29.803 | 37.349 | 0.116 | 275.176 | 2.18   | 0.116 | 251.903 | 1.863 | 0.116 | 0.156  | 0.0   | 0.116 | 0.156  | 0.0   |
| 104 | 13895 | 13896 | SN | 1 | -33.647 | 24.769 | 0.065 | -34.843 | 25.922 | 0.074 | -5.725  | 34.777 | 16.421 | -9.868  | 31.666 | 18.797 | 0.116 | 224.512 | 2.192  | 0.116 | 295.612 | 2.918 | 0.116 | 0.457  | 0.0   | 0.116 | 1.032  | 0.002 |
| 105 | 13895 | 13896 | NS | 1 | -34.023 | 24.652 | 0.188 | -33.766 | 24.61  | 0.344 | 3.0     | 30.945 | 21.943 | 2.994   | 29.806 | 36.439 | 0.116 | 244.787 | 2.096  | 0.116 | 230.727 | 1.825 | 0.116 | 0.156  | 0.0   | 0.116 | 0.156  | 0.0   |
| 106 | 13896 | 13897 | NS | 1 | -34.674 | 28.4   | 0.554 | -34.837 | 26.397 | 0.695 | -0.848  | 30.28  | 27.396 | 1.906   | 36.383 | 40.762 | 0.116 | 284.348 | 1.879  | 0.116 | 295.226 | 1.598 | 0.116 | 0.22   | 0.0   | 0.116 | 0.169  | 0.0   |
| 107 | 13896 | 13897 | NS | 1 | -34.674 | 28.4   | 0.523 | -34.837 | 26.397 | 0.68  | -0.848  | 30.28  | 27.424 | 1.906   | 36.383 | 40.891 | 0.116 | 284.348 | 1.882  | 0.116 | 295.226 | 1.6   | 0.116 | 0.22   | 0.0   | 0.116 | 0.169  | 0.0   |
| 108 | 13896 | 13897 | SN | 1 | -34.716 | 25.841 | 0.082 | -34.963 | 26.236 | 0.546 | -29.162 | 28.617 | 15.589 | 0.237   | 29.794 | 13.062 | 0.116 | 287.124 | 3.295  | 0.116 | 303.892 | 3.38  | 0.116 | 79.991 | 0.003 | 0.116 | 0.195  | 0.0   |
| 109 | 13896 | 13897 | SN | 1 | -34.716 | 25.841 | 0.082 | -34.963 | 26.236 | 0.546 | -29.162 | 28.617 | 15.589 | 0.237   | 29.794 | 13.062 | 0.116 | 287.124 | 3.295  | 0.116 | 303.892 | 3.38  | 0.116 | 79.991 | 0.003 | 0.116 | 0.195  | 0.0   |
| 110 | 13897 | 13898 | NS | 1 | -34.154 | 26.718 | 0.814 | -34.434 | 27.774 | 0.684 | -28.401 | 36.383 | 13.931 | -32.96  | 34.817 | 25.067 | 0.116 | 252.335 | 2.506  | 0.116 | 269.056 | 2.748 | 0.116 | 67.144 | 0.267 | 0.116 | 191.66 | 0.22  |
| 111 | 13897 | 13898 | SN | 1 | -34.637 | 27.989 | 0.033 | -34.718 | 28.04  | 0.858 | -21.588 | 29.87  | 18.133 | -23.203 | 30.161 | 17.232 | 0.116 | 281.952 | 10.825 | 0.116 | 287.196 | 9.128 | 0.116 | 14.056 | 0.065 | 0.116 | 20.348 | 0.041 |

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

Normal

Deviations

Alarming

High Errors

|     |       |       |    |   |         |        |       |         |        |       |         |        |        |         |        |        |       |         |       |       |         |       |       |         |       |       |        |       |
|-----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|
| 112 | 13897 | 13898 | NS | 1 | -33.446 | 26.718 | 0.816 | -34.246 | 27.774 | 0.685 | -28.401 | 36.383 | 13.936 | -32.96  | 34.817 | 25.064 | 0.116 | 214.326 | 2.502 | 0.116 | 257.642 | 2.75  | 0.116 | 67.144  | 0.267 | 0.116 | 191.66 | 0.22  |
| 113 | 13898 | 13899 | NS | 1 | -34.691 | 25.306 | 1.767 | -34.696 | 25.328 | 1.313 | 4.839   | 28.904 | 16.555 | 4.59    | 31.61  | 26.133 | 0.116 | 285.495 | 3.812 | 0.116 | 285.746 | 4.035 | 0.116 | 0.142   | 0.0   | 0.116 | 0.143  | 0.0   |
| 114 | 13898 | 13899 | NS | 1 | -34.691 | 25.306 | 1.769 | -34.696 | 25.328 | 1.313 | 4.839   | 28.901 | 15.547 | 4.59    | 31.61  | 25.184 | 0.116 | 285.495 | 3.816 | 0.116 | 285.746 | 4.035 | 0.116 | 0.142   | 0.0   | 0.116 | 0.143  | 0.0   |
| 115 | 13898 | 13899 | SN | 1 | -34.352 | 27.48  | 0.032 | -34.905 | 25.314 | 1.954 | -32.114 | 29.226 | 15.214 | -28.361 | 30.396 | 13.692 | 0.116 | 264.086 | 4.611 | 0.116 | 299.878 | 3.621 | 0.116 | 157.728 | 0.078 | 0.116 | 66.531 | 0.068 |
| 116 | 13899 | 13900 | NS | 1 | -34.976 | 24.466 | 1.011 | -34.77  | 25.654 | 0.345 | 5.003   | 27.921 | 22.091 | 5.252   | 30.391 | 42.036 | 0.116 | 304.793 | 3.231 | 0.116 | 290.692 | 3.089 | 0.116 | 0.141   | 0.0   | 0.116 | 0.139  | 0.0   |
| 117 | 13899 | 13900 | NS | 1 | -34.639 | 24.466 | 1.012 | -34.77  | 25.654 | 0.345 | 5.003   | 27.918 | 14.683 | 5.252   | 30.391 | 36.697 | 0.116 | 282.007 | 3.233 | 0.116 | 290.692 | 3.089 | 0.116 | 0.141   | 0.0   | 0.116 | 0.139  | 0.0   |
| 118 | 13899 | 13900 | SN | 1 | -33.379 | 24.899 | 0.051 | -33.379 | 25.597 | 2.85  | -2.988  | 29.661 | 17.544 | -2.169  | 29.582 | 19.497 | 0.116 | 211.061 | 1.896 | 0.116 | 211.064 | 2.401 | 0.116 | 0.291   | 0.0   | 0.116 | 0.259  | 0.0   |
| 119 | 13900 | 13901 | NS | 1 | -34.21  | 24.726 | 1.1   | -34.897 | 24.915 | 0.199 | 7.876   | 27.883 | 9.607  | 8.534   | 30.151 | 27.838 | 0.116 | 255.53  | 2.709 | 0.116 | 299.341 | 2.132 | 0.116 | 0.128   | 0.0   | 0.116 | 0.126  | 0.0   |
| 120 | 13900 | 13901 | NS | 1 | -34.21  | 24.726 | 1.1   | -34.897 | 24.915 | 0.199 | 7.876   | 29.157 | 20.152 | 8.634   | 30.151 | 38.353 | 0.116 | 255.53  | 2.708 | 0.116 | 299.341 | 2.131 | 0.116 | 0.128   | 0.0   | 0.116 | 0.126  | 0.0   |
| 121 | 13900 | 13901 | SN | 1 | -34.301 | 24.061 | 0.265 | -34.979 | 25.254 | 1.938 | -7.721  | 29.088 | 39.392 | -4.399  | 29.474 | 45.922 | 0.116 | 261.013 | 5.181 | 0.116 | 304.98  | 4.442 | 0.116 | 0.666   | 0.0   | 0.116 | 0.363  | 0.0   |
| 122 | 13900 | 13901 | SN | 1 | -34.526 | 24.064 | 0.265 | -34.83  | 25.254 | 1.943 | -7.721  | 29.088 | 39.389 | -4.398  | 29.472 | 45.926 | 0.116 | 274.794 | 5.184 | 0.116 | 294.755 | 4.425 | 0.116 | 0.666   | 0.0   | 0.116 | 0.363  | 0.0   |
| 123 | 13901 | 13902 | NS | 1 | -34.75  | 26.272 | 1.053 | -34.598 | 26.285 | 0.363 | 7.449   | 31.199 | 20.788 | 7.626   | 30.25  | 32.464 | 0.116 | 289.388 | 3.667 | 0.116 | 279.425 | 3.552 | 0.116 | 0.13    | 0.0   | 0.116 | 0.129  | 0.0   |
| 124 | 13901 | 13902 | SN | 1 | -34.773 | 23.922 | 0.372 | -33.751 | 25.257 | 1.703 | 5.441   | 28.918 | 33.925 | 5.059   | 30.272 | 36.796 | 0.116 | 290.91  | 1.696 | 0.116 | 229.935 | 1.23  | 0.116 | 0.138   | 0.0   | 0.116 | 0.14   | 0.0   |
| 125 | 13901 | 13902 | SN | 1 | -34.617 | 22.885 | 0.004 | -33.751 | 22.586 | 0.002 | 5.45    | 28.918 | 31.965 | 5.059   | 30.272 | 34.769 | 0.116 | 280.64  | 1.738 | 0.116 | 229.935 | 1.313 | 0.116 | 0.138   | 0.0   | 0.116 | 0.14   | 0.0   |
| 126 | 13901 | 13902 | SN | 2 | -34.75  | 23.922 | 0.372 | -34.925 | 25.257 | 1.703 | 5.441   | 28.918 | 33.924 | 5.059   | 30.272 | 36.8   | 0.116 | 289.331 | 1.695 | 0.116 | 301.302 | 1.232 | 0.116 | 0.138   | 0.0   | 0.116 | 0.14   | 0.0   |
| 127 | 13901 | 13902 | NS | 1 | -34.75  | 24.499 | 1.022 | -34.598 | 26.273 | 0.362 | 8.034   | 31.199 | 4.798  | 7.626   | 28.679 | 5.667  | 0.116 | 289.388 | 3.709 | 0.116 | 279.425 | 3.55  | 0.116 | 0.128   | 0.0   | 0.116 | 0.129  | 0.0   |
| 128 | 13901 | 13902 | NS | 1 | -34.75  | 26.272 | 1.053 | -34.598 | 26.285 | 0.363 | 7.449   | 31.199 | 20.792 | 7.626   | 30.25  | 32.464 | 0.116 | 289.388 | 3.668 | 0.116 | 279.425 | 3.552 | 0.116 | 0.13    | 0.0   | 0.116 | 0.129  | 0.0   |
| 129 | 13902 | 13903 | NS | 1 | -34.917 | 26.511 | 0.999 | -34.604 | 28.094 | 0.241 | 6.069   | 30.688 | 14.22  | 7.339   | 29.661 | 24.234 | 0.116 | 300.705 | 7.257 | 0.116 | 279.873 | 7.594 | 0.116 | 0.135   | 0.0   | 0.116 | 0.13   | 0.0   |
| 130 | 13902 | 13903 | NS | 1 | -34.798 | 26.51  | 1.001 | -34.604 | 28.094 | 0.241 | 6.069   | 30.688 | 14.22  | 7.339   | 29.661 | 24.121 | 0.116 | 292.6   | 7.255 | 0.116 | 279.873 | 7.593 | 0.116 | 0.135   | 0.0   | 0.116 | 0.13   | 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     | 13873       | 13874     | SN   | 2    | 57.672          | 58.404 | 0.0       | 0.0           | 280.123 | 3.588     | 1229.256 | 1282.488 | 3.507     | -93.751  | -92.086 | 0.0       |
| 2     | 13873       | 13874     | SN   | 1    | 57.672          | 58.404 | 0.0       | 0.0           | 280.123 | 3.588     | 1229.256 | 1282.488 | 3.507     | -93.751  | -92.086 | 0.0       |
| 3     | 13873       | 13874     | SN   | 1    | 57.672          | 58.404 | 0.0       | 0.0           | 280.123 | 3.225     | 1230.808 | 1282.488 | 3.585     | -93.751  | -92.106 | 0.0       |
| 4     | 13874       | 13875     | SN   | 1    | 57.688          | 58.382 | 0.0       | 0.0           | 297.358 | 3.464     | 1228.84  | 1282.08  | 2.962     | -93.62   | -92.085 | 0.0       |
| 5     | 13874       | 13875     | SN   | 1    | 57.688          | 58.382 | 0.0       | 0.0           | 297.468 | 3.485     | 1228.344 | 1282.08  | 2.936     | -93.62   | -92.08  | 0.0       |
| 6     | 13874       | 13875     | NS   | 1    | 57.356          | 58.145 | 0.0       | 0.0           | 296.569 | 3.902     | 1188.864 | 1275.176 | 40.039    | -93.498  | -91.741 | 0.0       |
| 7     | 13874       | 13875     | SN   | 1    | 57.688          | 58.382 | 0.0       | 0.0           | 297.468 | 3.488     | 1228.344 | 1282.08  | 2.939     | -93.62   | -92.08  | 0.0       |
| 8     | 13875       | 13876     | SN   | 1    | 57.663          | 58.636 | 0.0       | 0.003         | 291.109 | 3.104     | 1228.424 | 1282.248 | 3.058     | -95.978  | -92.078 | 0.0       |
| 9     | 13875       | 13876     | SN   | 1    | 57.649          | 58.635 | 0.0       | 0.003         | 291.225 | 3.108     | 1228.416 | 1282.24  | 3.041     | -95.978  | -92.078 | 0.0       |
| 10    | 13875       | 13876     | SN   | 1    | 57.663          | 58.636 | 0.0       | 0.003         | 291.126 | 3.229     | 1227.768 | 1282.248 | 3.034     | -95.978  | -92.074 | 0.0       |
| 11    | 13875       | 13876     | NS   | 2    | 57.366          | 58.147 | 0.0       | 0.0           | 296.779 | 3.803     | 1189.024 | 1275.48  | 42.438    | -93.55   | -91.716 | 0.0       |
| 12    | 13875       | 13876     | NS   | 1    | 57.366          | 58.147 | 0.0       | 0.0           | 296.779 | 3.803     | 1189.024 | 1275.48  | 42.444    | -93.55   | -91.716 | 0.0       |
| 13    | 13876       | 13877     | NS   | 1    | 57.281          | 58.145 | 0.0       | 0.0           | 298.367 | 4.017     | 1187.808 | 1275.376 | 41.955    | -94.243  | -91.76  | 0.0       |
| 14    | 13876       | 13877     | SN   | 1    | 57.456          | 58.381 | 0.0       | 0.0           | 295.477 | 3.315     | 1226.52  | 1282.168 | 3.107     | -95.786  | -92.086 | 0.0       |
| 15    | 13876       | 13877     | SN   | 1    | 57.456          | 58.381 | 0.0       | 0.0           | 295.477 | 3.323     | 1226.52  | 1282.168 | 3.102     | -95.786  | -92.086 | 0.0       |
| 16    | 13876       | 13877     | NS   | 1    | 57.281          | 58.145 | 0.0       | 0.0           | 298.367 | 4.013     | 1187.808 | 1275.376 | 41.997    | -94.243  | -91.76  | 0.0       |
| 17    | 13876       | 13877     | SN   | 2    | 57.456          | 58.381 | 0.0       | 0.0           | 295.477 | 3.323     | 1226.52  | 1282.168 | 3.102     | -95.786  | -92.086 | 0.0       |
| 18    | 13877       | 13878     | SN   | 1    | 57.643          | 58.395 | 0.0       | 0.0           | 289.389 | 3.564     | 1227.256 | 1282.096 | 3.018     | -93.881  | -92.07  | 0.0       |
| 19    | 13877       | 13878     | NS   | 1    | 57.353          | 58.144 | 0.0       | 0.0           | 290.773 | 3.99      | 1189.464 | 1275.328 | 41.421    | -93.472  | -91.742 | 0.0       |
| 20    | 13877       | 13878     | SN   | 1    | 57.643          | 58.395 | 0.0       | 0.0           | 289.411 | 3.565     | 1227.256 | 1282.104 | 3.029     | -93.881  | -92.069 | 0.0       |
| 21    | 13877       | 13878     | NS   | 1    | 57.353          | 58.144 | 0.0       | 0.0           | 290.773 | 4.003     | 1189.464 | 1275.328 | 41.379    | -93.472  | -91.742 | 0.0       |
| 22    | 13877       | 13878     | SN   | 1    | 57.643          | 58.395 | 0.0       | 0.0           | 289.389 | 3.208     | 1229.392 | 1282.096 | 3.087     | -93.881  | -92.089 | 0.0       |
| 23    | 13878       | 13879     | SN   | 1    | 57.43           | 58.596 | 0.0       | 0.0           | 228.018 | 3.194     | 1228.88  | 1282.064 | 3.086     | -95.494  | -92.088 | 0.0       |
| 24    | 13878       | 13879     | SN   | 1    | 57.43           | 58.596 | 0.0       | 0.0           | 228.018 | 2.976     | 1230.136 | 1282.064 | 3.146     | -95.494  | -92.099 | 0.0       |
| 25    | 13878       | 13879     | SN   | 2    | 57.43           | 58.597 | 0.0       | 0.0           | 228.018 | 3.195     | 1228.88  | 1282.096 | 3.128     | -95.494  | -92.088 | 0.0       |
| 26    | 13878       | 13879     | NS   | 2    | 57.335          | 58.194 | 0.0       | 0.0           | 296.282 | 4.131     | 1189.408 | 1275.256 | 42.918    | -94.804  | -91.746 | 0.0       |
| 27    | 13878       | 13879     | NS   | 1    | 57.336          | 58.193 | 0.0       | 0.0           | 296.288 | 4.131     | 1189.424 | 1275.224 | 42.914    | -94.804  | -91.746 | 0.0       |
| 28    | 13879       | 13880     | NS   | 1    | 57.348          | 58.146 | 0.0       | 0.0           | 294.181 | 3.759     | 1189.2   | 1275.336 | 43.07     | -93.051  | -91.76  | 0.0       |
| 29    | 13879       | 13880     | SN   | 1    | 57.656          | 58.392 | 0.0       | 0.0           | 297.54  | 3.612     | 1229.272 | 1282.128 | 3.236     | -93.835  | -92.089 | 0.0       |
| 30    | 13879       | 13880     | SN   | 1    | 57.656          | 58.392 | 0.0       | 0.0           | 297.54  | 3.96      | 1226.96  | 1282.128 | 3.158     | -93.835  | -92.067 | 0.0       |
| 31    | 13879       | 13880     | SN   | 2    | 57.656          | 58.392 | 0.0       | 0.0           | 280.906 | 3.959     | 1227.104 | 1282.136 | 3.17      | -93.836  | -92.067 | 0.0       |
| 32    | 13879       | 13880     | NS   | 1    | 57.344          | 58.146 | 0.0       | 0.0           | 294.181 | 3.756     | 1189.408 | 1275.336 | 43.089    | -93.018  | -91.76  | 0.0       |
| 33    | 13880       | 13881     | SN   | 1    | 57.594          | 58.392 | 0.0       | 0.0           | 299.646 | 3.314     | 1228.288 | 1282.704 | 3.531     | -94.999  | -92.079 | 0.0       |
| 34    | 13880       | 13881     | SN   | 1    | 57.594          | 58.392 | 0.0       | 0.0           | 299.646 | 3.317     | 1228.288 | 1282.704 | 3.534     | -94.999  | -92.079 | 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 | 13880 | 13881 | SN | 1 | 57.594 | 58.392 | 0.0   | 0.0   | 280.145 | 2.733 | 1229.768 | 1282.704 | 3.699  | -94.999 | -92.113 | 0.0 |
| 36 | 13880 | 13881 | NS | 1 | 57.341 | 58.148 | 0.0   | 0.0   | 298.108 | 3.756 | 1189.096 | 1275.608 | 43.295 | -93.293 | -91.758 | 0.0 |
| 37 | 13881 | 13882 | NS | 1 | 57.344 | 58.178 | 0.0   | 0.0   | 297.38  | 4.282 | 1189.472 | 1275.784 | 42.758 | -95.695 | -91.733 | 0.0 |
| 38 | 13881 | 13882 | SN | 1 | 57.388 | 58.416 | 0.0   | 0.0   | 292.372 | 3.241 | 1226.064 | 1282.592 | 3.722  | -94.904 | -92.045 | 0.0 |
| 39 | 13881 | 13882 | SN | 1 | 57.388 | 58.415 | 0.0   | 0.0   | 292.323 | 3.415 | 1226.08  | 1282.576 | 3.689  | -94.904 | -92.037 | 0.0 |
| 40 | 13881 | 13882 | NS | 2 | 57.344 | 58.15  | 0.0   | 0.0   | 297.38  | 4.28  | 1189.472 | 1275.784 | 42.752 | -93.549 | -91.733 | 0.0 |
| 41 | 13882 | 13883 | SN | 1 | 57.402 | 58.384 | 0.0   | 0.0   | 296.955 | 3.382 | 1226.376 | 1282.592 | 3.915  | -95.835 | -92.046 | 0.0 |
| 42 | 13882 | 13883 | NS | 1 | 57.35  | 58.149 | 0.0   | 0.0   | 299.602 | 3.955 | 1188.16  | 1275.768 | 43.26  | -93.241 | -91.732 | 0.0 |
| 43 | 13882 | 13883 | NS | 2 | 57.35  | 58.149 | 0.0   | 0.0   | 299.602 | 3.955 | 1188.16  | 1275.768 | 43.26  | -93.241 | -91.732 | 0.0 |
| 44 | 13883 | 13884 | NS | 2 | 57.337 | 58.15  | 0.0   | 0.003 | 291.435 | 3.57  | 1188.856 | 1275.8   | 44.607 | -93.065 | -91.76  | 0.0 |
| 45 | 13883 | 13884 | NS | 1 | 57.337 | 58.15  | 0.0   | 0.003 | 291.435 | 3.569 | 1188.856 | 1275.8   | 44.607 | -93.065 | -91.76  | 0.0 |
| 46 | 13883 | 13884 | SN | 1 | 57.68  | 58.417 | 0.0   | 0.0   | 292.367 | 3.783 | 1226.912 | 1282.592 | 4.05   | -93.228 | -92.055 | 0.0 |
| 47 | 13884 | 13885 | SN | 1 | 57.654 | 58.385 | 0.0   | 0.0   | 287.469 | 3.858 | 1226.736 | 1282.744 | 3.965  | -93.844 | -92.066 | 0.0 |
| 48 | 13884 | 13885 | NS | 1 | 57.327 | 58.148 | 0.0   | 0.0   | 291.953 | 4.023 | 1188.64  | 1275.84  | 43.576 | -93.462 | -91.758 | 0.0 |
| 49 | 13884 | 13885 | SN | 2 | 57.654 | 58.385 | 0.0   | 0.0   | 287.469 | 3.858 | 1226.736 | 1282.744 | 3.965  | -93.844 | -92.066 | 0.0 |
| 50 | 13884 | 13885 | NS | 1 | 57.327 | 58.148 | 0.0   | 0.0   | 291.887 | 4.116 | 1188.64  | 1275.848 | 43.701 | -93.462 | -91.758 | 0.0 |
| 51 | 13884 | 13885 | NS | 1 | 57.327 | 58.127 | 0.0   | 0.0   | 286.278 | 3.375 | 1188.64  | 1273.736 | 44.399 | -93.462 | -91.758 | 0.0 |
| 52 | 13885 | 13886 | NS | 1 | 57.163 | 58.126 | 0.0   | 0.0   | 290.971 | 3.459 | 1188.56  | 1273.856 | 46.594 | -93.846 | -91.757 | 0.0 |
| 53 | 13885 | 13886 | NS | 1 | 57.163 | 58.136 | 0.0   | 0.0   | 296.211 | 3.691 | 1188.56  | 1275.064 | 45.983 | -93.846 | -91.757 | 0.0 |
| 54 | 13885 | 13886 | NS | 1 | 57.163 | 58.136 | 0.0   | 0.0   | 296.211 | 3.695 | 1188.56  | 1275.064 | 46.034 | -93.846 | -91.757 | 0.0 |
| 55 | 13885 | 13886 | SN | 1 | 57.675 | 58.396 | 0.0   | 0.0   | 283.703 | 3.515 | 1226.376 | 1282.84  | 4.347  | -95.498 | -92.064 | 0.0 |
| 56 | 13886 | 13887 | NS | 1 | 57.232 | 58.136 | 0.001 | 0.0   | 297.286 | 3.443 | 1186.84  | 1274.344 | 45.097 | -93.667 | -91.755 | 0.0 |
| 57 | 13886 | 13887 | SN | 1 | 57.673 | 58.527 | 0.0   | 0.0   | 282.004 | 3.777 | 1226.224 | 1283.04  | 4.458  | -95.576 | -92.062 | 0.0 |
| 58 | 13886 | 13887 | NS | 1 | 57.232 | 58.136 | 0.001 | 0.0   | 297.286 | 3.517 | 1186.84  | 1274.752 | 44.981 | -93.667 | -91.755 | 0.0 |
| 59 | 13886 | 13887 | SN | 2 | 57.673 | 58.527 | 0.0   | 0.0   | 297.832 | 3.779 | 1226.224 | 1283.048 | 4.458  | -95.576 | -92.062 | 0.0 |
| 60 | 13886 | 13887 | NS | 1 | 57.232 | 58.137 | 0.001 | 0.0   | 297.286 | 2.499 | 1186.84  | 1266.92  | 49.038 | -93.667 | -91.755 | 0.0 |
| 61 | 13887 | 13888 | SN | 1 | 57.678 | 58.39  | 0.0   | 0.0   | 296.111 | 3.513 | 1227.368 | 1283.192 | 5.225  | -94.163 | -92.071 | 0.0 |
| 62 | 13887 | 13888 | SN | 1 | 57.658 | 58.39  | 0.0   | 0.0   | 296.111 | 3.517 | 1227.368 | 1283.192 | 5.23   | -94.163 | -92.071 | 0.0 |
| 63 | 13887 | 13888 | NS | 1 | 57.326 | 58.131 | 0.0   | 0.0   | 194.04  | 3.293 | 1188.304 | 1274.296 | 43.722 | -93.684 | -91.75  | 0.0 |
| 64 | 13887 | 13888 | SN | 1 | 57.658 | 58.39  | 0.0   | 0.0   | 282.716 | 2.825 | 1230.584 | 1283.192 | 5.487  | -94.163 | -92.11  | 0.0 |
| 65 | 13887 | 13888 | NS | 1 | 57.326 | 58.14  | 0.0   | 0.0   | 261.091 | 1.987 | 1188.304 | 1259.688 | 51.015 | -93.684 | -91.75  | 0.0 |
| 66 | 13887 | 13888 | NS | 1 | 57.326 | 58.13  | 0.0   | 0.0   | 290.64  | 3.184 | 1188.304 | 1274.296 | 43.746 | -93.684 | -91.75  | 0.0 |
| 67 | 13888 | 13889 | SN | 1 | 57.475 | 58.398 | 0.0   | 0.0   | 297.755 | 4.113 | 1226.352 | 1283.04  | 4.893  | -95.444 | -92.063 | 0.0 |
| 68 | 13888 | 13889 | NS | 1 | 57.331 | 58.151 | 0.0   | 0.0   | 297.882 | 3.923 | 1188.72  | 1276.232 | 38.641 | -93.488 | -91.739 | 0.0 |
| 69 | 13888 | 13889 | SN | 1 | 57.475 | 58.406 | 0.0   | 0.0   | 297.755 | 3.831 | 1228.152 | 1283.04  | 5.005  | -95.444 | -92.08  | 0.0 |
| 70 | 13888 | 13889 | SN | 1 | 57.475 | 58.406 | 0.0   | 0.0   | 297.755 | 4.117 | 1226.376 | 1283.04  | 4.898  | -95.444 | -92.064 | 0.0 |
| 71 | 13889 | 13890 | NS | 1 | 57.363 | 58.149 | 0.0   | 0.0   | 288.743 | 3.785 | 1189.048 | 1276.4   | 41.792 | -93.488 | -91.728 | 0.0 |

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

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

|     |       |       |    |   |        |        |     |       |         |       |          |          |        |         |         |     |
|-----|-------|-------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|--------|---------|---------|-----|
| 72  | 13889 | 13890 | SN | 1 | 57.678 | 58.403 | 0.0 | 0.003 | 294.032 | 3.343 | 1227.248 | 1283.216 | 4.698  | -95.256 | -92.071 | 0.0 |
| 73  | 13889 | 13890 | NS | 1 | 57.363 | 58.15  | 0.0 | 0.0   | 288.716 | 3.786 | 1189.04  | 1276.416 | 41.753 | -93.487 | -91.728 | 0.0 |
| 74  | 13889 | 13890 | SN | 2 | 57.678 | 58.403 | 0.0 | 0.003 | 294.032 | 3.343 | 1227.248 | 1283.216 | 4.698  | -95.256 | -92.071 | 0.0 |
| 75  | 13889 | 13890 | SN | 1 | 57.675 | 58.403 | 0.0 | 0.0   | 294.032 | 3.602 | 1226.192 | 1283.216 | 4.647  | -95.256 | -92.063 | 0.0 |
| 76  | 13890 | 13891 | NS | 1 | 57.348 | 58.151 | 0.0 | 0.0   | 293.834 | 3.71  | 1189.248 | 1276.592 | 42.988 | -93.485 | -91.732 | 0.0 |
| 77  | 13890 | 13891 | SN | 1 | 57.649 | 58.4   | 0.0 | 0.0   | 290.657 | 3.17  | 1227.272 | 1283.24  | 4.781  | -93.203 | -92.073 | 0.0 |
| 78  | 13890 | 13891 | SN | 1 | 57.649 | 58.4   | 0.0 | 0.0   | 290.657 | 3.437 | 1226.112 | 1283.24  | 4.723  | -93.203 | -92.061 | 0.0 |
| 79  | 13890 | 13891 | SN | 1 | 57.649 | 58.4   | 0.0 | 0.0   | 290.657 | 3.436 | 1226.112 | 1283.24  | 4.723  | -93.203 | -92.062 | 0.0 |
| 80  | 13890 | 13891 | NS | 1 | 57.348 | 58.151 | 0.0 | 0.0   | 293.834 | 3.669 | 1189.248 | 1276.592 | 43.03  | -93.485 | -91.732 | 0.0 |
| 81  | 13891 | 13892 | NS | 1 | 57.364 | 58.153 | 0.0 | 0.0   | 297.016 | 3.748 | 1189.352 | 1276.592 | 41.548 | -93.486 | -91.733 | 0.0 |
| 82  | 13891 | 13892 | NS | 1 | 57.354 | 58.152 | 0.0 | 0.0   | 297.016 | 3.747 | 1189.168 | 1276.576 | 41.536 | -93.485 | -91.733 | 0.0 |
| 83  | 13891 | 13892 | SN | 1 | 57.645 | 58.386 | 0.0 | 0.0   | 287.023 | 3.644 | 1225.992 | 1283.184 | 4.704  | -93.214 | -92.06  | 0.0 |
| 84  | 13891 | 13892 | SN | 1 | 57.645 | 58.386 | 0.0 | 0.0   | 287.023 | 3.332 | 1227.76  | 1283.184 | 4.79   | -93.214 | -92.076 | 0.0 |
| 85  | 13891 | 13892 | SN | 2 | 57.645 | 58.386 | 0.0 | 0.0   | 287.023 | 3.644 | 1225.992 | 1283.184 | 4.704  | -93.214 | -92.06  | 0.0 |
| 86  | 13892 | 13893 | NS | 1 | 57.335 | 58.399 | 0.0 | 0.0   | 297.452 | 3.88  | 1189.28  | 1276.568 | 41.913 | -95.428 | -91.749 | 0.0 |
| 87  | 13892 | 13893 | SN | 1 | 57.445 | 58.406 | 0.0 | 0.0   | 284.982 | 3.915 | 1224.768 | 1283.16  | 4.882  | -95.503 | -92.061 | 0.0 |
| 88  | 13892 | 13893 | SN | 2 | 57.445 | 58.406 | 0.0 | 0.0   | 284.982 | 3.915 | 1224.768 | 1283.16  | 4.882  | -95.503 | -92.061 | 0.0 |
| 89  | 13892 | 13893 | SN | 3 | 57.445 | 58.406 | 0.0 | 0.0   | 284.982 | 3.915 | 1224.768 | 1283.16  | 4.882  | -95.503 | -92.061 | 0.0 |
| 90  | 13892 | 13893 | NS | 1 | 57.349 | 58.399 | 0.0 | 0.0   | 297.518 | 3.883 | 1189.776 | 1276.592 | 41.854 | -95.428 | -91.749 | 0.0 |
| 91  | 13893 | 13894 | NS | 2 | 57.351 | 58.133 | 0.0 | 0.003 | 235.33  | 2.909 | 1189.08  | 1274.488 | 44.656 | -92.943 | -91.755 | 0.0 |
| 92  | 13893 | 13894 | SN | 1 | 57.643 | 58.409 | 0.0 | 0.003 | 282.611 | 3.079 | 1229.216 | 1283.112 | 4.994  | -93.572 | -92.095 | 0.0 |
| 93  | 13893 | 13894 | SN | 1 | 57.644 | 58.416 | 0.0 | 0.0   | 298.632 | 3.663 | 1225.888 | 1283.088 | 4.737  | -93.201 | -92.062 | 0.0 |
| 94  | 13893 | 13894 | NS | 1 | 57.351 | 58.133 | 0.0 | 0.003 | 235.33  | 2.909 | 1189.088 | 1274.464 | 44.656 | -92.915 | -91.755 | 0.0 |
| 95  | 13893 | 13894 | SN | 1 | 57.643 | 58.409 | 0.0 | 0.0   | 298.328 | 3.671 | 1225.904 | 1283.112 | 4.779  | -93.572 | -92.062 | 0.0 |
| 96  | 13894 | 13895 | NS | 1 | 57.326 | 58.154 | 0.0 | 0.0   | 299.139 | 3.964 | 1188.84  | 1276.656 | 44.196 | -93.484 | -91.757 | 0.0 |
| 97  | 13894 | 13895 | SN | 1 | 57.36  | 58.388 | 0.0 | 0.003 | 291.881 | 3.517 | 1222.6   | 1283.304 | 5.201  | -95.083 | -92.058 | 0.0 |
| 98  | 13894 | 13895 | SN | 1 | 57.36  | 58.388 | 0.0 | 0.003 | 292.168 | 3.513 | 1222.6   | 1283.304 | 5.196  | -95.083 | -92.058 | 0.0 |
| 99  | 13894 | 13895 | SN | 1 | 57.36  | 58.388 | 0.0 | 0.003 | 286.912 | 3.001 | 1222.6   | 1283.304 | 5.403  | -95.083 | -92.088 | 0.0 |
| 100 | 13894 | 13895 | NS | 2 | 57.326 | 58.155 | 0.0 | 0.0   | 299.332 | 3.962 | 1188.824 | 1276.696 | 44.207 | -93.484 | -91.757 | 0.0 |
| 101 | 13895 | 13896 | SN | 1 | 57.673 | 58.39  | 0.0 | 0.0   | 294.611 | 3.566 | 1227.024 | 1283.56  | 5.545  | -94.825 | -92.062 | 0.0 |
| 102 | 13895 | 13896 | SN | 2 | 57.673 | 58.389 | 0.0 | 0.0   | 298.036 | 3.567 | 1227.024 | 1283.536 | 5.503  | -94.825 | -92.062 | 0.0 |
| 103 | 13895 | 13896 | NS | 1 | 57.328 | 58.158 | 0.0 | 0.0   | 288.043 | 2.866 | 1189.0   | 1273.56  | 46.688 | -93.482 | -91.758 | 0.0 |
| 104 | 13895 | 13896 | SN | 1 | 57.677 | 58.39  | 0.0 | 0.0   | 294.611 | 2.669 | 1230.28  | 1283.56  | 5.916  | -94.825 | -92.086 | 0.0 |
| 105 | 13895 | 13896 | NS | 1 | 57.328 | 58.154 | 0.0 | 0.0   | 288.043 | 4.056 | 1188.936 | 1276.84  | 43.949 | -93.482 | -91.758 | 0.0 |
| 106 | 13896 | 13897 | NS | 1 | 57.348 | 58.154 | 0.0 | 0.0   | 297.838 | 4.314 | 1189.352 | 1276.928 | 42.381 | -93.833 | -91.73  | 0.0 |
| 107 | 13896 | 13897 | NS | 1 | 57.348 | 58.171 | 0.0 | 0.0   | 297.838 | 4.217 | 1189.352 | 1277.192 | 42.472 | -93.833 | -91.73  | 0.0 |
| 108 | 13896 | 13897 | SN | 1 | 57.629 | 58.401 | 0.0 | 0.0   | 291.545 | 3.344 | 1225.8   | 1283.608 | 5.442  | -94.892 | -92.031 | 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 |

|     |       |       |    |   |        |        |       |       |         |       |          |          |        |         |         |     |
|-----|-------|-------|----|---|--------|--------|-------|-------|---------|-------|----------|----------|--------|---------|---------|-----|
| 109 | 13896 | 13897 | SN | 1 | 57.629 | 58.401 | 0.0   | 0.0   | 291.545 | 3.344 | 1225.8   | 1283.608 | 5.442  | -94.892 | -92.031 | 0.0 |
| 110 | 13897 | 13898 | NS | 1 | 57.347 | 58.162 | 0.0   | 0.0   | 299.216 | 3.998 | 1188.712 | 1276.832 | 44.59  | -93.484 | -91.728 | 0.0 |
| 111 | 13897 | 13898 | SN | 1 | 57.427 | 58.389 | 0.0   | 0.0   | 288.881 | 4.081 | 1223.568 | 1283.552 | 5.588  | -94.79  | -92.039 | 0.0 |
| 112 | 13897 | 13898 | NS | 1 | 57.347 | 58.158 | 0.0   | 0.0   | 299.216 | 4.002 | 1188.712 | 1276.832 | 44.531 | -93.484 | -91.728 | 0.0 |
| 113 | 13898 | 13899 | NS | 1 | 57.331 | 58.221 | 0.0   | 0.0   | 297.838 | 2.975 | 1188.968 | 1275.44  | 45.324 | -93.496 | -91.76  | 0.0 |
| 114 | 13898 | 13899 | NS | 1 | 57.331 | 58.221 | 0.0   | 0.003 | 297.838 | 2.861 | 1188.968 | 1275.032 | 45.544 | -93.496 | -91.76  | 0.0 |
| 115 | 13898 | 13899 | SN | 1 | 57.657 | 58.401 | 0.0   | 0.0   | 286.08  | 4.131 | 1225.488 | 1283.664 | 5.973  | -93.56  | -92.049 | 0.0 |
| 116 | 13899 | 13900 | NS | 1 | 57.329 | 58.153 | 0.0   | 0.003 | 298.372 | 2.949 | 1189.192 | 1275.768 | 45.129 | -95.259 | -91.758 | 0.0 |
| 117 | 13899 | 13900 | NS | 1 | 57.329 | 58.153 | 0.0   | 0.003 | 283.476 | 2.744 | 1189.192 | 1273.312 | 46.163 | -95.259 | -91.758 | 0.0 |
| 118 | 13899 | 13900 | SN | 1 | 57.672 | 58.404 | 0.0   | 0.0   | 286.471 | 3.939 | 1225.32  | 1283.816 | 5.933  | -93.704 | -92.054 | 0.0 |
| 119 | 13900 | 13901 | NS | 1 | 57.134 | 58.303 | 0.001 | 0.0   | 291.418 | 2.925 | 1185.568 | 1270.632 | 47.791 | -95.192 | -91.758 | 0.0 |
| 120 | 13900 | 13901 | NS | 1 | 57.134 | 58.303 | 0.001 | 0.0   | 291.418 | 3.485 | 1185.568 | 1275.072 | 45.294 | -95.192 | -91.758 | 0.0 |
| 121 | 13900 | 13901 | SN | 1 | 57.522 | 58.392 | 0.0   | 0.0   | 295.648 | 3.887 | 1225.088 | 1283.976 | 6.3    | -95.479 | -92.054 | 0.0 |
| 122 | 13900 | 13901 | SN | 1 | 57.522 | 58.395 | 0.0   | 0.0   | 295.648 | 3.789 | 1225.088 | 1283.976 | 6.314  | -95.479 | -92.054 | 0.0 |
| 123 | 13901 | 13902 | NS | 1 | 57.342 | 58.158 | 0.0   | 0.0   | 290.144 | 3.722 | 1188.368 | 1277.48  | 44.055 | -93.11  | -91.755 | 0.0 |
| 124 | 13901 | 13902 | SN | 1 | 57.644 | 58.394 | 0.0   | 0.0   | 297.231 | 3.837 | 1225.12  | 1284.152 | 6.751  | -93.204 | -92.053 | 0.0 |
| 125 | 13901 | 13902 | SN | 1 | 57.644 | 58.394 | 0.0   | 0.0   | 297.231 | 2.693 | 1229.288 | 1284.152 | 7.158  | -93.204 | -92.092 | 0.0 |
| 126 | 13901 | 13902 | SN | 2 | 57.644 | 58.395 | 0.0   | 0.0   | 297.297 | 3.838 | 1225.112 | 1284.16  | 6.754  | -93.293 | -92.053 | 0.0 |
| 127 | 13901 | 13902 | NS | 1 | 57.342 | 58.146 | 0.0   | 0.003 | 290.144 | 1.852 | 1188.368 | 1264.904 | 50.37  | -92.972 | -91.755 | 0.0 |
| 128 | 13901 | 13902 | NS | 1 | 57.342 | 58.158 | 0.0   | 0.0   | 290.144 | 3.722 | 1188.368 | 1277.472 | 44.055 | -93.11  | -91.755 | 0.0 |
| 129 | 13902 | 13903 | NS | 1 | 57.328 | 58.159 | 0.0   | 0.0   | 295.565 | 4.013 | 1188.36  | 1277.496 | 39.997 | -93.476 | -91.755 | 0.0 |
| 130 | 13902 | 13903 | NS | 1 | 57.329 | 58.158 | 0.0   | 0.0   | 295.742 | 4.004 | 1188.376 | 1277.496 | 40.028 | -93.476 | -91.756 | 0.0 |

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

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

|      |             |           |      |      | Outer   |        |            |          |        |            |          |        |            |           |        |            |         |         |            |          |         |            |          |         |            |           |        |            |
|------|-------------|-----------|------|------|---------|--------|------------|----------|--------|------------|----------|--------|------------|-----------|--------|------------|---------|---------|------------|----------|---------|------------|----------|---------|------------|-----------|--------|------------|
|      |             |           |      |      | SNR     |        |            |          |        |            |          |        |            |           |        |            | Kp      |         |            |          |         |            |          |         |            |           |        |            |
|      |             |           |      |      | Sea Aft |        |            | Sea Fore |        |            | Land Aft |        |            | Land Fore |        |            | Sea Aft |         |            | Sea Fore |         |            | Land Aft |         |            | Land Fore |        |            |
| SrNo | Start Orbit | End Orbit | Dir. | Ver. | Min     | Max    | BadOcc (%) | Min      | Max    | BadOcc (%) | Min      | Max    | BadOcc (%) | Min       | Max    | BadOcc (%) | Min     | Max     | BadOcc (%) | Min      | Max     | BadOcc (%) | Min      | Max     | BadOcc (%) | Min       | Max    | BadOcc (%) |
| 1    | 13873       | 13874     | SN   | 2    | -34.569 | 20.181 | 0.0        | -33.297  | 20.772 | 0.0        | -24.701  | 22.781 | 0.029      | -27.9     | 23.096 | 0.015      | 0.086   | 212.114 | 1.553      | 0.086    | 158.305 | 1.23       | 0.086    | 21.926  | 0.039      | 0.086     | 45.725 | 0.039      |
| 2    | 13873       | 13874     | SN   | 1    | -34.569 | 20.181 | 0.0        | -33.297  | 20.772 | 0.0        | -24.701  | 22.781 | 0.029      | -27.9     | 23.096 | 0.015      | 0.086   | 212.114 | 1.552      | 0.086    | 158.305 | 1.23       | 0.086    | 21.926  | 0.039      | 0.086     | 45.725 | 0.039      |
| 3    | 13873       | 13874     | SN   | 1    | -34.569 | 20.181 | 0.0        | -33.297  | 20.772 | 0.0        | -24.701  | 22.781 | 0.03       | -27.9     | 23.096 | 0.015      | 0.086   | 212.114 | 1.573      | 0.086    | 158.305 | 1.31       | 0.086    | 21.926  | 0.039      | 0.086     | 45.725 | 0.039      |
| 4    | 13874       | 13875     | SN   | 1    | -34.01  | 19.926 | 0.0        | -34.716  | 20.953 | 0.0        | -34.051  | 22.288 | 0.009      | -23.13    | 22.419 | 0.029      | 0.086   | 186.55  | 1.437      | 0.086    | 219.474 | 1.239      | 0.086    | 188.315 | 0.091      | 0.086     | 15.292 | 0.075      |
| 5    | 13874       | 13875     | SN   | 1    | -34.01  | 19.926 | 0.0        | -34.646  | 20.953 | 0.0        | -34.377  | 22.288 | 0.009      | -23.208   | 22.419 | 0.029      | 0.086   | 186.55  | 1.417      | 0.086    | 215.966 | 1.223      | 0.086    | 202.959 | 0.089      | 0.086     | 15.565 | 0.079      |
| 6    | 13874       | 13875     | NS   | 1    | -34.718 | 20.82  | 0.0        | -34.953  | 21.864 | 0.0        | -1.18    | 23.146 | 0.036      | -3.53     | 24.658 | 0.197      | 0.086   | 219.531 | 3.595      | 0.086    | 231.735 | 3.708      | 0.086    | 0.171   | 0.0        | 0.086     | 0.238  | 0.0        |
| 7    | 13874       | 13875     | SN   | 1    | -34.01  | 19.926 | 0.0        | -34.716  | 20.953 | 0.0        | -34.051  | 22.288 | 0.009      | -23.13    | 22.419 | 0.029      | 0.086   | 186.55  | 1.418      | 0.086    | 219.474 | 1.224      | 0.086    | 188.315 | 0.091      | 0.086     | 15.292 | 0.075      |
| 8    | 13875       | 13876     | SN   | 1    | -34.575 | 18.147 | 0.0        | -34.53   | 18.532 | 0.0        | 1.552    | 22.723 | 0.06       | 1.482     | 22.461 | 0.047      | 0.086   | 212.419 | 2.595      | 0.086    | 210.29  | 2.136      | 0.086    | 0.129   | 0.0        | 0.086     | 0.13   | 0.0        |
| 9    | 13875       | 13876     | SN   | 1    | -34.342 | 18.15  | 0.0        | -34.846  | 18.538 | 0.0        | 1.55     | 22.723 | 0.06       | 1.482     | 22.461 | 0.047      | 0.086   | 201.345 | 2.592      | 0.086    | 226.076 | 2.12       | 0.086    | 0.129   | 0.0        | 0.086     | 0.13   | 0.0        |
| 10   | 13875       | 13876     | SN   | 1    | -34.575 | 18.147 | 0.0        | -34.53   | 18.532 | 0.0        | 1.552    | 22.723 | 0.06       | 1.482     | 22.461 | 0.047      | 0.086   | 212.419 | 2.566      | 0.086    | 210.29  | 2.117      | 0.086    | 0.129   | 0.0        | 0.086     | 0.13   | 0.0        |
| 11   | 13875       | 13876     | NS   | 2    | -34.652 | 17.573 | 0.0        | -34.696  | 17.106 | 0.0        | -9.809   | 23.3   | 0.046      | -20.719   | 23.657 | 0.182      | 0.087   | 216.24  | 3.699      | 0.087    | 218.429 | 3.75       | 0.086    | 0.775   | 0.0        | 0.086     | 8.804  | 0.03       |
| 12   | 13875       | 13876     | NS   | 1    | -34.652 | 17.406 | 0.0        | -34.696  | 17.106 | 0.0        | -9.809   | 23.3   | 0.046      | -20.719   | 23.657 | 0.182      | 0.087   | 216.24  | 3.699      | 0.087    | 218.429 | 3.752      | 0.086    | 0.775   | 0.0        | 0.086     | 8.804  | 0.03       |
| 13   | 13876       | 13877     | NS   | 1    | -34.803 | 21.598 | 0.0        | -33.667  | 22.101 | 0.001      | -33.755  | 22.766 | 0.023      | -27.276   | 22.919 | 0.093      | 0.086   | 223.829 | 4.255      | 0.086    | 172.342 | 5.378      | 0.086    | 175.876 | 0.114      | 0.086     | 39.625 | 0.06       |
| 14   | 13876       | 13877     | SN   | 1    | -34.623 | 17.935 | 0.0        | -34.782  | 18.111 | 0.0        | 1.589    | 22.306 | 0.018      | -21.525   | 22.108 | 0.033      | 0.086   | 214.838 | 1.961      | 0.086    | 222.798 | 1.808      | 0.086    | 0.128   | 0.0        | 0.086     | 10.586 | 0.022      |
| 15   | 13876       | 13877     | SN   | 1    | -34.623 | 17.935 | 0.0        | -34.782  | 18.111 | 0.0        | 1.589    | 22.306 | 0.018      | -21.525   | 22.108 | 0.033      | 0.086   | 214.838 | 1.958      | 0.086    | 222.798 | 1.805      | 0.086    | 0.128   | 0.0        | 0.086     | 10.586 | 0.022      |
| 16   | 13876       | 13877     | NS   | 1    | -34.803 | 21.598 | 0.0        | -33.667  | 22.101 | 0.001      | -33.755  | 22.766 | 0.024      | -27.276   | 22.919 | 0.093      | 0.086   | 223.829 | 4.256      | 0.086    | 172.342 | 5.381      | 0.086    | 175.876 | 0.114      | 0.086     | 39.625 | 0.06       |
| 17   | 13876       | 13877     | SN   | 2    | -34.623 | 17.935 | 0.0        | -34.782  | 18.111 | 0.0        | 1.589    | 22.306 | 0.018      | -21.525   | 22.108 | 0.033      | 0.086   | 214.838 | 1.958      | 0.086    | 222.798 | 1.805      | 0.086    | 0.128   | 0.0        | 0.086     | 10.586 | 0.022      |
| 18   | 13877       | 13878     | SN   | 1    | -34.902 | 20.147 | 0.0        | -34.804  | 20.925 | 0.0        | 0.846    | 22.422 | 0.039      | 1.515     | 22.859 | 0.604      | 0.086   | 229.052 | 3.986      | 0.086    | 223.928 | 3.776      | 0.086    | 0.137   | 0.0        | 0.086     | 0.129  | 0.0        |
| 19   | 13877       | 13878     | NS   | 1    | -34.054 | 17.893 | 0.0        | -34.813  | 17.231 | 0.0        | -26.262  | 23.117 | 0.069      | -18.686   | 23.546 | 0.16       | 0.086   | 188.443 | 3.176      | 0.087    | 224.413 | 3.613      | 0.086    | 31.381  | 0.023      | 0.086     | 5.536  | 0.008      |
| 20   | 13877       | 13878     | SN   | 1    | -34.827 | 20.147 | 0.0        | -34.993  | 20.925 | 0.0        | 0.846    | 22.422 | 0.039      | 1.515     | 22.859 | 0.604      | 0.086   | 225.15  | 3.985      | 0.086    | 233.902 | 3.777      | 0.086    | 0.137   | 0.0        | 0.086     | 0.129  | 0.0        |
| 21   | 13877       | 13878     | NS   | 1    | -34.054 | 17.893 | 0.0        | -34.813  | 17.231 | 0.0        | -26.262  | 23.116 | 0.069      | -18.686   | 23.547 | 0.164      | 0.086   | 188.443 | 3.17       | 0.087    | 224.413 | 3.609      | 0.086    | 31.381  | 0.023      | 0.086     | 5.536  | 0.008      |
| 22   | 13877       | 13878     | SN   | 1    | -34.902 | 20.147 | 0.0        | -34.718  | 20.925 | 0.0        | 0.846    | 22.422 | 0.039      | 1.515     | 22.859 | 0.65       | 0.086   | 229.052 | 4.071      | 0.086    | 219.498 | 3.852      | 0.086    | 0.137   | 0.0        | 0.086     | 0.129  | 0.0        |
| 23   | 13878       | 13879     | SN   | 1    | -34.829 | 17.454 | 0.0        | -34.971  | 18.069 | 0.0        | -5.232   | 22.427 | 0.01       | 5.17      | 21.731 | 0.0        | 0.087   | 225.203 | 4.168      | 0.086    | 232.752 | 3.556      | 0.086    | 0.316   | 0.0        | 0.086     | 0.104  | 0.0        |
| 24   | 13878       | 13879     | SN   | 1    | -34.829 | 17.454 | 0.0        | -34.971  | 18.069 | 0.0        | -5.232   | 22.427 | 0.01       | 5.166     | 21.731 | 0.0        | 0.087   | 225.203 | 4.218      | 0.086    | 232.752 | 3.624      | 0.086    | 0.316   | 0.0        | 0.086     | 0.104  | 0.0        |
| 25   | 13878       | 13879     | SN   | 2    | -34.971 | 17.454 | 0.0        | -34.912  | 18.069 | 0.0        | -5.229   | 22.427 | 0.01       | 5.17      | 21.731 | 0.0        | 0.087   | 232.732 | 4.17       | 0.086    | 229.623 | 3.557      | 0.086    | 0.316   | 0.0        | 0.086     | 0.104  | 0.0        |
| 26   | 13878       | 13879     | NS   | 2    | -34.772 | 21.165 | 0.0        | -34.632  | 17.338 | 0.0        | -9.818   | 22.322 | 0.015      | -23.68    | 23.369 | 0.141      | 0.086   | 222.244 | 2.961      | 0.087    | 215.248 | 3.073      | 0.086    | 0.776   | 0.0        | 0.086     | 17.345 | 0.007      |
| 27   | 13878       | 13879     | NS   | 1    | -34.753 | 21.165 | 0.0        | -34.632  | 17.338 | 0.0        | -9.818   | 22.322 | 0.015      | -23.68    | 23.369 | 0.141      | 0.086   | 221.303 | 2.962      | 0.087    | 215.248 | 3.073      | 0.086    | 0.776   | 0.0        | 0.086     | 17.345 | 0.007      |
| 28   | 13879       | 13880     | NS   | 1    | -33.365 | 19.759 | 0.0        | -34.66   | 20.66  | 0.0        | -25.168  | 22.808 | 0.062      | -29.892   | 23.266 | 0.273      | 0.086   | 160.829 | 1.728      | 0.086    | 216.678 | 1.745      | 0.086    | 24.409  | 0.062      | 0.086     | 72.323 | 0.079      |
| 29   | 13879       | 13880     | SN   | 1    | -34.379 | 16.965 | 0.0        | -34.909  | 18.04  | 0.0        | -5.509   | 23.224 | 0.272      | -4.836    | 23.601 | 0.55       | 0.087   | 203.062 | 4.591      | 0.086    | 229.453 | 3.716      | 0.086    | 0.332   | 0.0        | 0.086     | 0.295  | 0.0        |
| 30   | 13879       | 13880     | SN   | 1    | -34.379 | 16.965 | 0.0        | -34.948  | 18.044 | 0.0        | -5.509   | 23.224 | 0.268      | -4.836    | 23.601 | 0.549      | 0.087   | 203.073 | 4.472      | 0.086    | 231.506 | 3.657      | 0.086    | 0.332   | 0.0        | 0.086     | 0.295  | 0.0        |
| 31   | 13879       | 13880     | SN   | 2    | -34.382 | 16.965 | 0.0        | -34.948  | 18.044 | 0.0        | -5.509   | 23.224 | 0.268      | -4.839    | 23.601 | 0.549      | 0.087   | 203.179 | 4.473      | 0.086    | 231.506 | 3.656      | 0.086    | 0.332   | 0.0        | 0.086     | 0.295  | 0.0        |
| 32   | 13879       | 13880     | NS   | 1    | -34.951 | 19.759 | 0.0        | -34.592  | 20.66  | 0.0        | -24.744  | 22.809 | 0.062      | -31.101   | 23.266 | 0.269      | 0.086   | 231.624 | 1.739      | 0.086    | 213.312 | 1.747      | 0.086    | 22.143  | 0.062      | 0.086     | 95.479 | 0.082      |

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

|    |       |       |    |   |         |        |       |         |        |       |         |        |       |         |        |       |       |         |       |       |         |       |       |        |       |       |         |       |
|----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|---------|-------|
| 33 | 13880 | 13881 | SN | 1 | -34.973 | 16.986 | 0.0   | -34.215 | 18.798 | 0.0   | -11.55  | 23.442 | 0.374 | -7.41   | 25.492 | 0.877 | 0.087 | 232.843 | 4.578 | 0.086 | 195.561 | 4.192 | 0.086 | 1.123  | 0.002 | 0.086 | 0.475   | 0.0   |
| 34 | 13880 | 13881 | SN | 1 | -34.948 | 16.986 | 0.0   | -33.936 | 18.798 | 0.0   | -11.517 | 23.442 | 0.374 | -7.41   | 25.493 | 0.879 | 0.087 | 231.517 | 4.563 | 0.086 | 183.366 | 4.189 | 0.086 | 1.116  | 0.002 | 0.086 | 0.475   | 0.0   |
| 35 | 13880 | 13881 | SN | 1 | -34.948 | 16.986 | 0.0   | -33.936 | 18.798 | 0.0   | -11.517 | 23.442 | 0.388 | -7.41   | 25.493 | 0.88  | 0.087 | 231.517 | 4.773 | 0.086 | 183.366 | 4.619 | 0.086 | 1.116  | 0.002 | 0.086 | 0.475   | 0.0   |
| 36 | 13880 | 13881 | NS | 1 | -34.877 | 20.937 | 0.0   | -34.68  | 20.741 | 0.0   | 2.328   | 22.933 | 0.024 | 0.814   | 23.526 | 0.389 | 0.086 | 227.741 | 1.892 | 0.086 | 217.644 | 1.917 | 0.086 | 0.121  | 0.0   | 0.086 | 0.138   | 0.0   |
| 37 | 13881 | 13882 | NS | 1 | -34.608 | 22.531 | 0.002 | -33.35  | 23.06  | 0.005 | -23.154 | 22.681 | 0.073 | -0.108  | 24.079 | 1.261 | 0.086 | 214.04  | 1.255 | 0.086 | 160.232 | 1.132 | 0.086 | 15.374 | 0.018 | 0.086 | 0.151   | 0.0   |
| 38 | 13881 | 13882 | SN | 1 | -34.753 | 19.208 | 0.0   | -34.311 | 18.782 | 0.0   | -24.113 | 23.029 | 0.154 | -15.187 | 23.646 | 0.314 | 0.086 | 221.296 | 5.991 | 0.086 | 199.875 | 5.986 | 0.086 | 19.158 | 0.074 | 0.086 | 2.509   | 0.011 |
| 39 | 13881 | 13882 | SN | 1 | -34.803 | 19.208 | 0.0   | -34.521 | 18.784 | 0.0   | -24.56  | 23.029 | 0.154 | -15.303 | 23.648 | 0.325 | 0.086 | 223.86  | 5.956 | 0.086 | 209.818 | 5.938 | 0.086 | 21.224 | 0.072 | 0.086 | 2.575   | 0.011 |
| 40 | 13881 | 13882 | NS | 2 | -34.608 | 22.535 | 0.002 | -33.35  | 23.06  | 0.005 | -23.154 | 22.681 | 0.073 | -0.108  | 24.079 | 1.261 | 0.086 | 214.04  | 1.254 | 0.086 | 160.232 | 1.133 | 0.086 | 15.374 | 0.018 | 0.086 | 0.151   | 0.0   |
| 41 | 13882 | 13883 | SN | 1 | -34.869 | 20.767 | 0.0   | -34.803 | 21.267 | 0.0   | -5.806  | 23.284 | 0.161 | -13.053 | 23.111 | 0.126 | 0.086 | 227.346 | 7.567 | 0.086 | 223.849 | 7.19  | 0.086 | 0.35   | 0.0   | 0.086 | 1.561   | 0.002 |
| 42 | 13882 | 13883 | NS | 1 | -34.1   | 18.187 | 0.0   | -34.567 | 18.359 | 0.0   | -24.421 | 22.597 | 0.056 | -32.072 | 24.194 | 1.773 | 0.086 | 190.442 | 2.326 | 0.086 | 212.05  | 2.28  | 0.086 | 20.556 | 0.204 | 0.086 | 119.422 | 0.208 |
| 43 | 13882 | 13883 | NS | 2 | -34.1   | 18.187 | 0.0   | -34.567 | 18.359 | 0.0   | -24.421 | 22.597 | 0.056 | -32.072 | 24.194 | 1.773 | 0.086 | 190.442 | 2.326 | 0.086 | 212.05  | 2.28  | 0.086 | 20.556 | 0.204 | 0.086 | 119.422 | 0.208 |
| 44 | 13883 | 13884 | NS | 2 | -34.841 | 18.776 | 0.0   | -34.809 | 18.462 | 0.0   | -0.99   | 22.472 | 0.025 | -0.69   | 24.313 | 1.409 | 0.086 | 225.865 | 1.841 | 0.086 | 224.18  | 1.846 | 0.086 | 0.167  | 0.0   | 0.086 | 0.161   | 0.0   |
| 45 | 13883 | 13884 | NS | 1 | -34.841 | 18.776 | 0.0   | -34.809 | 18.462 | 0.0   | -0.99   | 22.472 | 0.025 | -0.69   | 24.313 | 1.407 | 0.086 | 225.865 | 1.841 | 0.086 | 224.18  | 1.846 | 0.086 | 0.167  | 0.0   | 0.086 | 0.161   | 0.0   |
| 46 | 13883 | 13884 | SN | 1 | -34.218 | 20.544 | 0.0   | -34.236 | 21.898 | 0.0   | -33.483 | 23.15  | 0.184 | -15.702 | 23.052 | 0.154 | 0.086 | 195.646 | 2.712 | 0.086 | 196.524 | 3.016 | 0.086 | 165.23 | 0.174 | 0.086 | 2.817   | 0.007 |
| 47 | 13884 | 13885 | SN | 1 | -34.993 | 18.028 | 0.0   | -34.734 | 22.602 | 0.006 | -23.802 | 23.017 | 0.145 | -12.526 | 24.171 | 0.18  | 0.086 | 233.914 | 3.184 | 0.086 | 220.365 | 2.739 | 0.086 | 17.838 | 0.022 | 0.086 | 1.39    | 0.007 |
| 48 | 13884 | 13885 | NS | 1 | -34.92  | 18.335 | 0.0   | -34.694 | 20.509 | 0.0   | 1.289   | 22.834 | 0.337 | 3.667   | 23.784 | 1.752 | 0.086 | 230.039 | 2.368 | 0.086 | 218.32  | 2.457 | 0.086 | 0.132  | 0.0   | 0.086 | 0.111   | 0.0   |
| 49 | 13884 | 13885 | SN | 2 | -34.993 | 18.028 | 0.0   | -34.734 | 22.602 | 0.006 | -23.802 | 23.017 | 0.145 | -12.526 | 24.171 | 0.18  | 0.086 | 233.914 | 3.184 | 0.086 | 220.365 | 2.739 | 0.086 | 17.838 | 0.022 | 0.086 | 1.39    | 0.007 |
| 50 | 13884 | 13885 | NS | 1 | -34.92  | 18.335 | 0.0   | -34.939 | 20.509 | 0.0   | 1.289   | 22.834 | 0.337 | 3.667   | 23.784 | 1.755 | 0.086 | 230.039 | 2.362 | 0.086 | 230.982 | 2.45  | 0.086 | 0.132  | 0.0   | 0.086 | 0.111   | 0.0   |
| 51 | 13884 | 13885 | NS | 1 | -34.92  | 18.335 | 0.0   | -34.694 | 20.509 | 0.0   | 1.289   | 22.825 | 0.377 | 3.667   | 23.785 | 1.929 | 0.086 | 230.039 | 2.372 | 0.086 | 218.32  | 2.457 | 0.086 | 0.132  | 0.0   | 0.086 | 0.111   | 0.0   |
| 52 | 13885 | 13886 | NS | 1 | -34.971 | 21.216 | 0.0   | -34.442 | 17.746 | 0.0   | -8.38   | 22.686 | 0.053 | 2.442   | 23.714 | 2.033 | 0.086 | 232.743 | 2.86  | 0.086 | 206.014 | 2.742 | 0.086 | 0.577  | 0.0   | 0.086 | 0.12    | 0.0   |
| 53 | 13885 | 13886 | NS | 1 | -34.971 | 21.216 | 0.0   | -34.442 | 17.744 | 0.0   | -8.38   | 22.686 | 0.082 | 2.442   | 23.714 | 1.894 | 0.086 | 232.743 | 2.855 | 0.086 | 206.014 | 2.739 | 0.086 | 0.577  | 0.0   | 0.086 | 0.12    | 0.0   |
| 54 | 13885 | 13886 | NS | 1 | -34.971 | 21.216 | 0.0   | -34.442 | 17.746 | 0.0   | -8.38   | 22.686 | 0.082 | 2.442   | 23.714 | 1.889 | 0.086 | 232.743 | 2.858 | 0.086 | 206.014 | 2.742 | 0.086 | 0.577  | 0.0   | 0.086 | 0.12    | 0.0   |
| 55 | 13885 | 13886 | SN | 1 | -34.538 | 18.199 | 0.0   | -34.962 | 18.987 | 0.0   | -19.204 | 23.227 | 0.367 | -21.89  | 23.793 | 0.356 | 0.086 | 210.641 | 2.902 | 0.086 | 232.184 | 2.668 | 0.086 | 6.23   | 0.029 | 0.086 | 11.507  | 0.089 |
| 56 | 13886 | 13887 | NS | 1 | -34.558 | 18.464 | 0.0   | -34.946 | 19.366 | 0.0   | 2.488   | 22.577 | 0.126 | 3.059   | 23.792 | 2.157 | 0.086 | 211.648 | 2.345 | 0.086 | 231.41  | 1.995 | 0.086 | 0.12   | 0.0   | 0.086 | 0.116   | 0.0   |
| 57 | 13886 | 13887 | SN | 1 | -34.456 | 17.647 | 0.0   | -34.871 | 20.506 | 0.0   | -1.168  | 22.788 | 0.284 | -2.278  | 22.873 | 0.608 | 0.087 | 206.683 | 2.581 | 0.086 | 227.432 | 2.163 | 0.086 | 0.17   | 0.0   | 0.086 | 0.197   | 0.0   |
| 58 | 13886 | 13887 | NS | 1 | -34.868 | 18.464 | 0.0   | -34.351 | 19.366 | 0.0   | 2.488   | 22.987 | 0.168 | 3.059   | 23.792 | 2.153 | 0.086 | 227.264 | 2.34  | 0.086 | 201.736 | 1.997 | 0.086 | 0.12   | 0.0   | 0.086 | 0.116   | 0.0   |
| 59 | 13886 | 13887 | SN | 2 | -34.524 | 17.647 | 0.0   | -34.94  | 20.506 | 0.0   | -1.168  | 22.788 | 0.284 | -2.278  | 22.873 | 0.608 | 0.087 | 209.953 | 2.582 | 0.086 | 231.036 | 2.163 | 0.086 | 0.17   | 0.0   | 0.086 | 0.197   | 0.0   |
| 60 | 13886 | 13887 | NS | 1 | -34.071 | 18.376 | 0.0   | -34.351 | 19.369 | 0.0   | 3.528   | 22.271 | 0.054 | 3.305   | 23.75  | 0.814 | 0.086 | 189.128 | 2.373 | 0.086 | 201.736 | 1.996 | 0.086 | 0.112  | 0.0   | 0.086 | 0.114   | 0.0   |
| 61 | 13887 | 13888 | SN | 1 | -34.88  | 17.368 | 0.0   | -34.668 | 18.502 | 0.0   | -15.976 | 22.608 | 0.03  | -14.393 | 23.246 | 0.087 | 0.087 | 227.918 | 1.897 | 0.086 | 217.021 | 1.631 | 0.086 | 2.996  | 0.002 | 0.086 | 2.101   | 0.009 |
| 62 | 13887 | 13888 | SN | 1 | -34.335 | 17.367 | 0.0   | -34.776 | 18.502 | 0.0   | -15.937 | 22.608 | 0.03  | -14.396 | 23.246 | 0.084 | 0.087 | 201.007 | 1.896 | 0.086 | 222.529 | 1.634 | 0.086 | 2.97   | 0.002 | 0.086 | 2.103   | 0.009 |
| 63 | 13887 | 13888 | NS | 1 | -34.96  | 20.444 | 0.0   | -34.897 | 20.388 | 0.0   | 1.755   | 23.963 | 0.887 | 1.167   | 24.296 | 1.819 | 0.086 | 232.148 | 4.771 | 0.086 | 228.814 | 4.59  | 0.086 | 0.127  | 0.0   | 0.086 | 0.133   | 0.0   |
| 64 | 13887 | 13888 | SN | 1 | -34.335 | 16.199 | 0.0   | -34.776 | 18.509 | 0.0   | -15.937 | 22.608 | 0.024 | -14.396 | 23.246 | 0.082 | 0.087 | 201.007 | 1.932 | 0.086 | 222.529 | 1.779 | 0.086 | 2.97   | 0.002 | 0.086 | 2.103   | 0.009 |
| 65 | 13887 | 13888 | NS | 1 | -34.96  | 20.439 | 0.0   | -34.897 | 20.398 | 0.0   | 2.578   | 19.312 | 0.0   | 1.164   | 19.978 | 0.0   | 0.086 | 232.148 | 5.051 | 0.086 | 228.814 | 4.581 | 0.086 | 0.119  | 0.0   | 0.086 | 0.133   | 0.0   |
| 66 | 13887 | 13888 | NS | 1 | -34.96  | 20.444 | 0.0   | -34.897 | 20.387 | 0.0   | 1.755   | 23.962 | 0.893 | 1.164   | 24.298 | 1.823 | 0.086 | 232.148 | 4.772 | 0.086 | 228.814 | 4.591 | 0.086 | 0.127  | 0.0   | 0.086 | 0.133   | 0.0   |
| 67 | 13888 | 13889 | SN | 1 | -34.796 | 19.737 | 0.0   | -33.409 | 20.747 | 0.0   | -28.99  | 22.573 | 0.015 | -25.88  | 23.273 | 0.037 | 0.086 | 223.542 | 1.881 | 0.086 | 162.402 | 1.715 | 0.086 | 58.757 | 0.092 | 0.086 | 28.745  | 0.076 |
| 68 | 13888 | 13889 | NS | 1 | -34.685 | 21.409 | 0.0   | -34.877 | 21.816 | 0.0   | 1.116   | 22.952 | 0.053 | 2.087   | 23.44  | 0.3   | 0.086 | 217.905 | 3.839 | 0.086 | 227.746 | 3.873 | 0.086 | 0.134  | 0.0   | 0.086 | 0.124   | 0.0   |
| 69 | 13888 | 13889 | SN | 1 | -34.796 | 19.737 | 0.0   | -33.611 | 20.747 | 0.0   | -29.646 | 22.573 | 0.015 | -25.917 | 23.273 | 0.037 | 0.086 | 223.542 | 1.963 | 0.086 | 170.2   | 1.807 | 0.086 | 68.328 | 0.092 | 0.086 | 28.989  | 0.076 |

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

■ Normal      ■ Deviations  
■ Alarming      ■ High Errors



|     |       |       |    |   |         |        |     |         |        |     |         |        |       |         |        |       |       |         |       |       |         |       |       |        |       |       |        |       |
|-----|-------|-------|----|---|---------|--------|-----|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 70  | 13888 | 13889 | SN | 1 | -34.796 | 19.737 | 0.0 | -33.611 | 20.747 | 0.0 | -29.646 | 22.573 | 0.015 | -25.917 | 23.273 | 0.037 | 0.086 | 223.542 | 1.885 | 0.086 | 170.2   | 1.723 | 0.086 | 68.328 | 0.092 | 0.086 | 28.989 | 0.076 |
| 71  | 13889 | 13890 | NS | 1 | -34.66  | 20.767 | 0.0 | -34.62  | 21.838 | 0.0 | -8.669  | 23.125 | 0.038 | -6.901  | 23.867 | 0.146 | 0.086 | 216.636 | 3.564 | 0.086 | 214.642 | 3.856 | 0.086 | 0.612  | 0.0   | 0.086 | 0.43   | 0.0   |
| 72  | 13889 | 13890 | SN | 1 | -34.677 | 19.582 | 0.0 | -34.905 | 21.098 | 0.0 | 1.39    | 23.207 | 0.023 | 2.021   | 23.235 | 0.032 | 0.086 | 217.523 | 3.102 | 0.086 | 229.144 | 2.609 | 0.086 | 0.131  | 0.0   | 0.086 | 0.124  | 0.0   |
| 73  | 13889 | 13890 | NS | 1 | -34.642 | 20.767 | 0.0 | -34.473 | 21.838 | 0.0 | -8.668  | 23.125 | 0.038 | -6.901  | 23.867 | 0.147 | 0.086 | 215.689 | 3.563 | 0.086 | 207.529 | 3.855 | 0.086 | 0.611  | 0.0   | 0.086 | 0.43   | 0.0   |
| 74  | 13889 | 13890 | SN | 2 | -34.677 | 19.582 | 0.0 | -34.905 | 21.098 | 0.0 | 1.39    | 23.207 | 0.023 | 2.021   | 23.235 | 0.032 | 0.086 | 217.523 | 3.102 | 0.086 | 229.144 | 2.609 | 0.086 | 0.131  | 0.0   | 0.086 | 0.124  | 0.0   |
| 75  | 13889 | 13890 | SN | 1 | -34.677 | 19.582 | 0.0 | -34.905 | 21.098 | 0.0 | 1.388   | 23.207 | 0.023 | 2.021   | 23.235 | 0.032 | 0.086 | 217.523 | 3.043 | 0.086 | 229.144 | 2.571 | 0.086 | 0.131  | 0.0   | 0.086 | 0.124  | 0.0   |
| 76  | 13890 | 13891 | NS | 1 | -34.954 | 16.467 | 0.0 | -34.934 | 16.663 | 0.0 | -4.987  | 22.353 | 0.019 | -20.176 | 23.31  | 0.122 | 0.087 | 231.842 | 6.41  | 0.087 | 230.744 | 5.929 | 0.086 | 0.303  | 0.0   | 0.086 | 7.777  | 0.021 |
| 77  | 13890 | 13891 | SN | 1 | -34.932 | 17.358 | 0.0 | -34.908 | 18.196 | 0.0 | 0.785   | 22.684 | 0.045 | 1.08    | 22.384 | 0.008 | 0.087 | 230.684 | 2.767 | 0.086 | 229.334 | 2.233 | 0.086 | 0.138  | 0.0   | 0.086 | 0.134  | 0.0   |
| 78  | 13890 | 13891 | SN | 1 | -34.932 | 17.358 | 0.0 | -34.908 | 18.196 | 0.0 | 0.785   | 22.684 | 0.045 | 1.08    | 22.384 | 0.008 | 0.087 | 230.684 | 2.722 | 0.086 | 229.334 | 2.208 | 0.086 | 0.138  | 0.0   | 0.086 | 0.134  | 0.0   |
| 79  | 13890 | 13891 | SN | 1 | -34.932 | 17.358 | 0.0 | -34.908 | 18.196 | 0.0 | 0.785   | 22.684 | 0.045 | 1.08    | 22.384 | 0.008 | 0.087 | 230.684 | 2.722 | 0.086 | 229.334 | 2.208 | 0.086 | 0.138  | 0.0   | 0.086 | 0.134  | 0.0   |
| 80  | 13890 | 13891 | NS | 1 | -34.954 | 16.467 | 0.0 | -34.934 | 16.663 | 0.0 | -4.987  | 22.353 | 0.019 | -20.176 | 23.31  | 0.122 | 0.087 | 231.842 | 6.41  | 0.087 | 230.744 | 5.932 | 0.086 | 0.303  | 0.0   | 0.086 | 7.777  | 0.021 |
| 81  | 13891 | 13892 | NS | 1 | -34.838 | 17.262 | 0.0 | -33.865 | 18.962 | 0.0 | -16.256 | 22.774 | 0.027 | -24.996 | 23.097 | 0.096 | 0.087 | 225.687 | 2.42  | 0.086 | 180.419 | 2.644 | 0.086 | 3.191  | 0.006 | 0.086 | 23.46  | 0.046 |
| 82  | 13891 | 13892 | NS | 1 | -34.951 | 17.262 | 0.0 | -34.993 | 18.963 | 0.0 | -16.299 | 22.772 | 0.027 | -25.722 | 23.096 | 0.096 | 0.087 | 231.653 | 2.418 | 0.086 | 233.841 | 2.649 | 0.086 | 3.223  | 0.006 | 0.086 | 27.719 | 0.046 |
| 83  | 13891 | 13892 | SN | 1 | -34.95  | 17.536 | 0.0 | -34.784 | 18.213 | 0.0 | 0.548   | 22.461 | 0.124 | 1.586   | 22.658 | 0.372 | 0.087 | 231.536 | 2.252 | 0.086 | 222.909 | 1.98  | 0.086 | 0.141  | 0.0   | 0.086 | 0.128  | 0.0   |
| 84  | 13891 | 13892 | SN | 1 | -34.95  | 17.536 | 0.0 | -34.784 | 18.213 | 0.0 | 0.548   | 22.461 | 0.124 | 1.586   | 22.658 | 0.385 | 0.087 | 231.536 | 2.296 | 0.086 | 222.909 | 2.013 | 0.086 | 0.141  | 0.0   | 0.086 | 0.128  | 0.0   |
| 85  | 13891 | 13892 | SN | 2 | -34.95  | 17.536 | 0.0 | -34.784 | 18.213 | 0.0 | 0.548   | 22.461 | 0.124 | 1.586   | 22.658 | 0.372 | 0.087 | 231.536 | 2.252 | 0.086 | 222.909 | 1.98  | 0.086 | 0.141  | 0.0   | 0.086 | 0.128  | 0.0   |
| 86  | 13892 | 13893 | NS | 1 | -34.686 | 15.727 | 0.0 | -34.501 | 16.425 | 0.0 | -29.625 | 23.139 | 0.03  | -15.245 | 22.953 | 0.088 | 0.087 | 217.932 | 2.547 | 0.087 | 208.814 | 2.735 | 0.086 | 68.007 | 0.005 | 0.086 | 2.542  | 0.003 |
| 87  | 13892 | 13893 | SN | 1 | -34.902 | 17.936 | 0.0 | -34.501 | 17.88  | 0.0 | -14.917 | 22.136 | 0.016 | -12.965 | 22.563 | 0.249 | 0.086 | 229.048 | 4.069 | 0.086 | 217.279 | 4.014 | 0.086 | 2.362  | 0.005 | 0.086 | 1.53   | 0.018 |
| 88  | 13892 | 13893 | SN | 2 | -34.902 | 17.936 | 0.0 | -34.501 | 17.88  | 0.0 | -14.917 | 22.136 | 0.016 | -12.965 | 22.563 | 0.249 | 0.086 | 229.048 | 4.069 | 0.086 | 217.279 | 4.014 | 0.086 | 2.362  | 0.005 | 0.086 | 1.53   | 0.018 |
| 89  | 13892 | 13893 | SN | 3 | -34.902 | 17.936 | 0.0 | -34.501 | 17.88  | 0.0 | -14.917 | 22.136 | 0.016 | -12.965 | 22.563 | 0.249 | 0.086 | 229.048 | 4.069 | 0.086 | 217.279 | 4.014 | 0.086 | 2.362  | 0.005 | 0.086 | 1.53   | 0.018 |
| 90  | 13892 | 13893 | NS | 1 | -34.976 | 15.727 | 0.0 | -34.966 | 16.423 | 0.0 | -26.918 | 23.139 | 0.031 | -15.259 | 22.952 | 0.088 | 0.087 | 232.975 | 2.546 | 0.087 | 232.447 | 2.739 | 0.086 | 36.483 | 0.005 | 0.086 | 2.551  | 0.003 |
| 91  | 13893 | 13894 | NS | 2 | -34.858 | 18.526 | 0.0 | -34.987 | 18.102 | 0.0 | -25.677 | 22.129 | 0.01  | -28.143 | 23.335 | 0.077 | 0.086 | 226.708 | 2.454 | 0.086 | 233.538 | 2.336 | 0.086 | 27.434 | 0.196 | 0.086 | 48.355 | 0.028 |
| 92  | 13893 | 13894 | SN | 1 | -34.866 | 17.616 | 0.0 | -34.911 | 17.152 | 0.0 | 0.676   | 22.633 | 0.02  | 2.886   | 22.76  | 0.016 | 0.087 | 227.134 | 3.308 | 0.087 | 229.479 | 3.128 | 0.086 | 0.139  | 0.0   | 0.086 | 0.117  | 0.0   |
| 93  | 13893 | 13894 | SN | 1 | -34.872 | 17.616 | 0.0 | -34.64  | 17.152 | 0.0 | 0.676   | 22.633 | 0.018 | 2.886   | 22.76  | 0.015 | 0.087 | 227.496 | 3.2   | 0.087 | 215.653 | 2.968 | 0.086 | 0.139  | 0.0   | 0.086 | 0.117  | 0.0   |
| 94  | 13893 | 13894 | NS | 1 | -34.8   | 18.526 | 0.0 | -34.742 | 18.102 | 0.0 | -25.66  | 22.129 | 0.01  | -28.143 | 23.335 | 0.077 | 0.086 | 223.692 | 2.455 | 0.086 | 220.755 | 2.337 | 0.086 | 27.323 | 0.196 | 0.086 | 48.355 | 0.028 |
| 95  | 13893 | 13894 | SN | 1 | -34.866 | 17.616 | 0.0 | -34.911 | 17.152 | 0.0 | 0.676   | 22.633 | 0.018 | 2.886   | 22.76  | 0.015 | 0.087 | 227.134 | 3.208 | 0.087 | 229.479 | 2.986 | 0.086 | 0.139  | 0.0   | 0.086 | 0.117  | 0.0   |
| 96  | 13894 | 13895 | NS | 1 | -34.694 | 20.713 | 0.0 | -34.696 | 21.126 | 0.0 | -16.973 | 22.415 | 0.078 | 1.543   | 23.173 | 0.402 | 0.086 | 218.331 | 1.628 | 0.086 | 218.463 | 1.566 | 0.086 | 3.753  | 0.016 | 0.086 | 0.129  | 0.0   |
| 97  | 13894 | 13895 | SN | 1 | -34.711 | 16.723 | 0.0 | -34.951 | 18.001 | 0.0 | -4.436  | 23.386 | 0.335 | -0.374  | 24.226 | 0.867 | 0.087 | 219.169 | 5.808 | 0.086 | 231.65  | 4.68  | 0.086 | 0.275  | 0.0   | 0.086 | 0.155  | 0.0   |
| 98  | 13894 | 13895 | SN | 1 | -34.99  | 16.723 | 0.0 | -34.809 | 18.001 | 0.0 | -4.435  | 23.386 | 0.335 | -0.371  | 24.226 | 0.867 | 0.087 | 233.683 | 5.792 | 0.086 | 224.218 | 4.673 | 0.086 | 0.275  | 0.0   | 0.086 | 0.155  | 0.0   |
| 99  | 13894 | 13895 | SN | 1 | -34.711 | 16.723 | 0.0 | -34.951 | 18.001 | 0.0 | -4.435  | 23.386 | 0.341 | -0.374  | 24.226 | 0.867 | 0.087 | 219.169 | 6.09  | 0.086 | 231.65  | 5.021 | 0.086 | 0.275  | 0.0   | 0.086 | 0.155  | 0.0   |
| 100 | 13894 | 13895 | NS | 2 | -34.773 | 20.712 | 0.0 | -34.414 | 21.126 | 0.0 | -16.97  | 22.415 | 0.078 | 1.543   | 23.173 | 0.397 | 0.086 | 222.35  | 1.627 | 0.086 | 204.752 | 1.566 | 0.086 | 3.751  | 0.016 | 0.086 | 0.129  | 0.0   |
| 101 | 13895 | 13896 | SN | 1 | -33.766 | 19.086 | 0.0 | -34.778 | 19.316 | 0.0 | -10.021 | 23.564 | 0.178 | -10.097 | 24.375 | 0.559 | 0.086 | 176.353 | 2.158 | 0.086 | 222.615 | 2.362 | 0.086 | 0.81   | 0.0   | 0.086 | 0.823  | 0.0   |
| 102 | 13895 | 13896 | SN | 2 | -34.167 | 19.086 | 0.0 | -34.413 | 19.316 | 0.0 | -10.018 | 23.564 | 0.178 | -10.089 | 24.375 | 0.559 | 0.086 | 193.376 | 2.155 | 0.086 | 204.664 | 2.362 | 0.086 | 0.81   | 0.0   | 0.086 | 0.822  | 0.0   |
| 103 | 13895 | 13896 | NS | 1 | -34.283 | 20.552 | 0.0 | -34.88  | 20.999 | 0.0 | 3.018   | 22.961 | 0.103 | -14.6   | 23.249 | 0.435 | 0.086 | 198.598 | 1.597 | 0.086 | 227.854 | 1.377 | 0.086 | 0.116  | 0.0   | 0.086 | 2.201  | 0.002 |
| 104 | 13895 | 13896 | SN | 1 | -33.766 | 19.086 | 0.0 | -34.778 | 19.316 | 0.0 | -10.021 | 23.564 | 0.19  | -10.097 | 24.375 | 0.56  | 0.086 | 176.353 | 2.275 | 0.086 | 222.615 | 2.645 | 0.086 | 0.81   | 0.0   | 0.086 | 0.823  | 0.0   |
| 105 | 13895 | 13896 | NS | 1 | -34.849 | 20.551 | 0.0 | -34.64  | 21.009 | 0.0 | 2.287   | 22.961 | 0.095 | -14.735 | 23.671 | 0.762 | 0.086 | 226.226 | 1.524 | 0.086 | 215.657 | 1.341 | 0.086 | 0.122  | 0.0   | 0.086 | 2.268  | 0.002 |
| 106 | 13896 | 13897 | NS | 1 | -34.544 | 21.952 | 0.0 | -34.436 | 21.88  | 0.0 | -19.303 | 23.012 | 0.088 | -18.734 | 24.502 | 1.818 | 0.086 | 210.932 | 1.77  | 0.086 | 205.768 | 1.592 | 0.086 | 6.372  | 0.021 | 0.086 | 5.598  | 0.006 |

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

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

|     |       |       |    |   |         |        |       |         |        |     |         |        |       |         |        |       |       |         |       |       |         |       |       |        |       |       |        |       |
|-----|-------|-------|----|---|---------|--------|-------|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 107 | 13896 | 13897 | NS | 1 | -34.544 | 21.952 | 0.0   | -34.436 | 21.88  | 0.0 | -19.303 | 23.012 | 0.088 | -18.734 | 24.502 | 1.827 | 0.086 | 210.932 | 1.773 | 0.086 | 205.768 | 1.594 | 0.086 | 6.372  | 0.021 | 0.086 | 5.598  | 0.006 |
| 108 | 13896 | 13897 | SN | 1 | -33.738 | 19.183 | 0.0   | -34.023 | 18.884 | 0.0 | -21.962 | 23.482 | 0.131 | -6.649  | 23.038 | 0.179 | 0.086 | 175.205 | 3.374 | 0.086 | 187.063 | 3.339 | 0.086 | 11.699 | 0.029 | 0.086 | 0.41   | 0.0   |
| 109 | 13896 | 13897 | SN | 1 | -33.738 | 19.183 | 0.0   | -34.023 | 18.884 | 0.0 | -21.962 | 23.482 | 0.131 | -6.649  | 23.038 | 0.179 | 0.086 | 175.205 | 3.374 | 0.086 | 187.063 | 3.338 | 0.086 | 11.699 | 0.029 | 0.086 | 0.41   | 0.0   |
| 110 | 13897 | 13898 | NS | 1 | -34.072 | 22.042 | 0.001 | -34.85  | 18.951 | 0.0 | -30.647 | 22.43  | 0.013 | -24.357 | 24.644 | 1.442 | 0.086 | 189.247 | 1.964 | 0.086 | 226.348 | 1.763 | 0.086 | 86.036 | 0.132 | 0.086 | 20.262 | 0.088 |
| 111 | 13897 | 13898 | SN | 1 | -34.891 | 20.885 | 0.0   | -34.931 | 21.819 | 0.0 | -28.274 | 23.549 | 0.205 | -25.129 | 24.257 | 0.222 | 0.086 | 228.42  | 9.367 | 0.086 | 230.586 | 8.066 | 0.086 | 49.839 | 0.096 | 0.086 | 24.188 | 0.144 |
| 112 | 13897 | 13898 | NS | 1 | -34.728 | 22.042 | 0.001 | -34.444 | 18.951 | 0.0 | -30.647 | 22.429 | 0.013 | -24.357 | 24.646 | 1.446 | 0.086 | 220.032 | 1.964 | 0.086 | 206.073 | 1.764 | 0.086 | 86.036 | 0.132 | 0.086 | 20.262 | 0.088 |
| 113 | 13898 | 13899 | NS | 1 | -34.97  | 18.496 | 0.0   | -34.747 | 18.622 | 0.0 | 1.3     | 22.86  | 0.055 | 1.506   | 24.352 | 1.66  | 0.086 | 232.649 | 3.65  | 0.086 | 221.023 | 3.615 | 0.086 | 0.132  | 0.0   | 0.086 | 0.129  | 0.0   |
| 114 | 13898 | 13899 | NS | 1 | -34.97  | 18.496 | 0.0   | -34.747 | 18.622 | 0.0 | 1.324   | 22.862 | 0.052 | 1.554   | 24.355 | 1.698 | 0.086 | 232.649 | 3.653 | 0.086 | 221.023 | 3.616 | 0.086 | 0.131  | 0.0   | 0.086 | 0.129  | 0.0   |
| 115 | 13898 | 13899 | SN | 1 | -33.961 | 21.423 | 0.0   | -33.701 | 21.978 | 0.0 | -34.097 | 23.341 | 0.119 | -25.644 | 23.498 | 0.117 | 0.086 | 184.453 | 3.869 | 0.086 | 173.717 | 3.104 | 0.086 | 190.33 | 0.076 | 0.086 | 27.234 | 0.048 |
| 116 | 13899 | 13900 | NS | 1 | -34.454 | 18.086 | 0.0   | -34.855 | 17.969 | 0.0 | -1.186  | 22.404 | 0.058 | 0.579   | 23.858 | 1.745 | 0.086 | 206.626 | 2.832 | 0.086 | 226.575 | 2.803 | 0.086 | 0.171  | 0.0   | 0.086 | 0.141  | 0.0   |
| 117 | 13899 | 13900 | NS | 1 | -34.454 | 18.086 | 0.0   | -34.855 | 17.969 | 0.0 | -1.186  | 22.402 | 0.069 | 0.579   | 23.872 | 2.021 | 0.086 | 206.626 | 2.841 | 0.086 | 226.575 | 2.803 | 0.086 | 0.171  | 0.0   | 0.086 | 0.141  | 0.0   |
| 118 | 13899 | 13900 | SN | 1 | -34.345 | 18.733 | 0.0   | -34.652 | 19.366 | 0.0 | -14.008 | 23.21  | 0.173 | -19.385 | 23.7   | 0.236 | 0.086 | 201.493 | 1.855 | 0.086 | 216.225 | 2.083 | 0.086 | 1.928  | 0.003 | 0.086 | 6.492  | 0.006 |
| 119 | 13900 | 13901 | NS | 1 | -34.227 | 18.331 | 0.0   | -34.532 | 18.024 | 0.0 | 1.714   | 22.095 | 0.015 | 2.192   | 23.75  | 2.64  | 0.086 | 196.105 | 2.508 | 0.086 | 210.363 | 2.354 | 0.086 | 0.127  | 0.0   | 0.086 | 0.123  | 0.0   |
| 120 | 13900 | 13901 | NS | 1 | -34.227 | 18.331 | 0.0   | -34.532 | 18.024 | 0.0 | 1.742   | 22.133 | 0.032 | 2.231   | 23.741 | 2.177 | 0.086 | 196.105 | 2.5   | 0.086 | 210.363 | 2.354 | 0.086 | 0.127  | 0.0   | 0.086 | 0.122  | 0.0   |
| 121 | 13900 | 13901 | SN | 1 | -34.869 | 17.853 | 0.0   | -33.775 | 18.987 | 0.0 | -22.227 | 23.44  | 0.432 | -26.099 | 23.284 | 0.504 | 0.086 | 227.336 | 4.334 | 0.086 | 176.696 | 3.775 | 0.086 | 12.433 | 0.149 | 0.086 | 30.228 | 0.161 |
| 122 | 13900 | 13901 | SN | 1 | -34.54  | 17.853 | 0.0   | -34.77  | 18.987 | 0.0 | -22.467 | 23.44  | 0.429 | -26.139 | 23.284 | 0.504 | 0.086 | 210.733 | 4.321 | 0.086 | 222.223 | 3.771 | 0.086 | 13.132 | 0.152 | 0.086 | 30.505 | 0.161 |
| 123 | 13901 | 13902 | NS | 1 | -34.987 | 19.197 | 0.0   | -34.506 | 20.076 | 0.0 | 1.739   | 23.346 | 0.859 | 2.333   | 24.344 | 1.978 | 0.086 | 233.591 | 3.698 | 0.086 | 209.06  | 3.897 | 0.086 | 0.127  | 0.0   | 0.086 | 0.121  | 0.0   |
| 124 | 13901 | 13902 | SN | 1 | -34.903 | 17.661 | 0.0   | -34.207 | 18.691 | 0.0 | -0.451  | 22.953 | 0.094 | 0.172   | 23.17  | 0.601 | 0.087 | 229.106 | 2.384 | 0.086 | 200.168 | 2.001 | 0.086 | 0.157  | 0.0   | 0.086 | 0.146  | 0.0   |
| 125 | 13901 | 13902 | SN | 1 | -34.903 | 16.055 | 0.0   | -34.207 | 16.957 | 0.0 | -0.438  | 22.953 | 0.089 | 0.158   | 23.17  | 0.591 | 0.087 | 229.106 | 2.438 | 0.087 | 200.168 | 2.156 | 0.086 | 0.156  | 0.0   | 0.086 | 0.147  | 0.0   |
| 126 | 13901 | 13902 | SN | 2 | -34.885 | 17.661 | 0.0   | -34.267 | 18.691 | 0.0 | -0.451  | 22.953 | 0.094 | 0.172   | 23.17  | 0.601 | 0.087 | 228.114 | 2.383 | 0.086 | 202.943 | 2.0   | 0.086 | 0.157  | 0.0   | 0.086 | 0.146  | 0.0   |
| 127 | 13901 | 13902 | NS | 1 | -34.987 | 18.23  | 0.0   | -34.506 | 20.076 | 0.0 | 1.739   | 21.487 | 0.0   | 2.333   | 21.678 | 0.0   | 0.086 | 233.591 | 3.696 | 0.086 | 209.06  | 3.909 | 0.086 | 0.127  | 0.0   | 0.086 | 0.121  | 0.0   |
| 128 | 13901 | 13902 | NS | 1 | -34.987 | 19.197 | 0.0   | -34.506 | 20.076 | 0.0 | 1.739   | 23.346 | 0.859 | 2.333   | 24.344 | 1.978 | 0.086 | 233.591 | 3.697 | 0.086 | 209.06  | 3.897 | 0.086 | 0.127  | 0.0   | 0.086 | 0.121  | 0.0   |
| 129 | 13902 | 13903 | NS | 1 | -34.9   | 21.697 | 0.0   | -34.673 | 21.425 | 0.0 | 1.411   | 23.538 | 0.555 | 0.724   | 23.833 | 0.974 | 0.086 | 228.97  | 5.48  | 0.086 | 217.279 | 5.998 | 0.086 | 0.13   | 0.0   | 0.086 | 0.139  | 0.0   |
| 130 | 13902 | 13903 | NS | 1 | -34.7   | 21.697 | 0.0   | -34.688 | 21.425 | 0.0 | 1.41    | 23.538 | 0.556 | 0.723   | 23.833 | 0.96  | 0.086 | 218.695 | 5.483 | 0.086 | 218.008 | 6.0   | 0.086 | 0.13   | 0.0   | 0.086 | 0.139  | 0.0   |

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

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