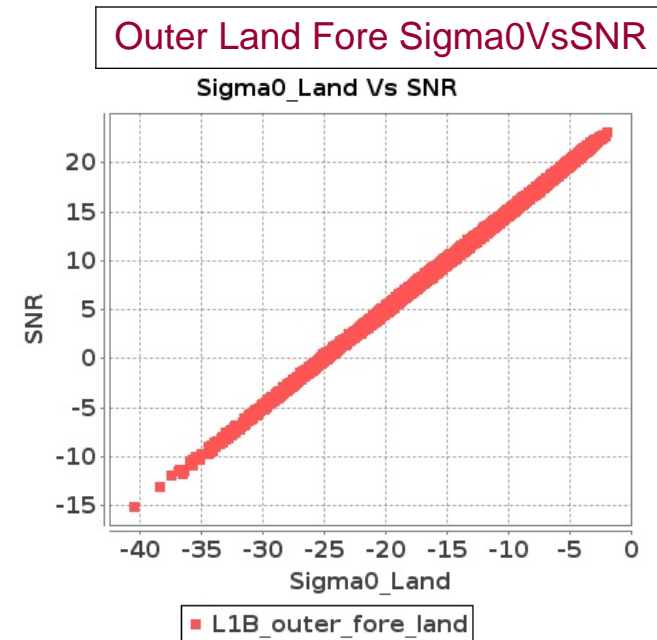
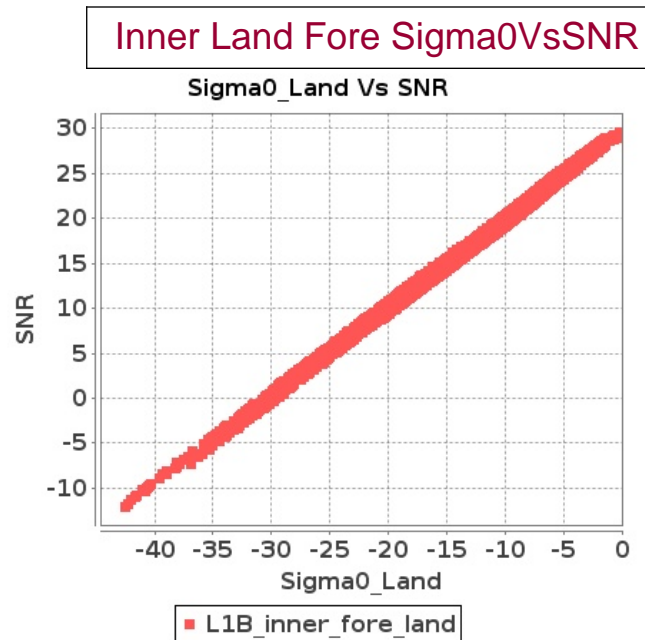
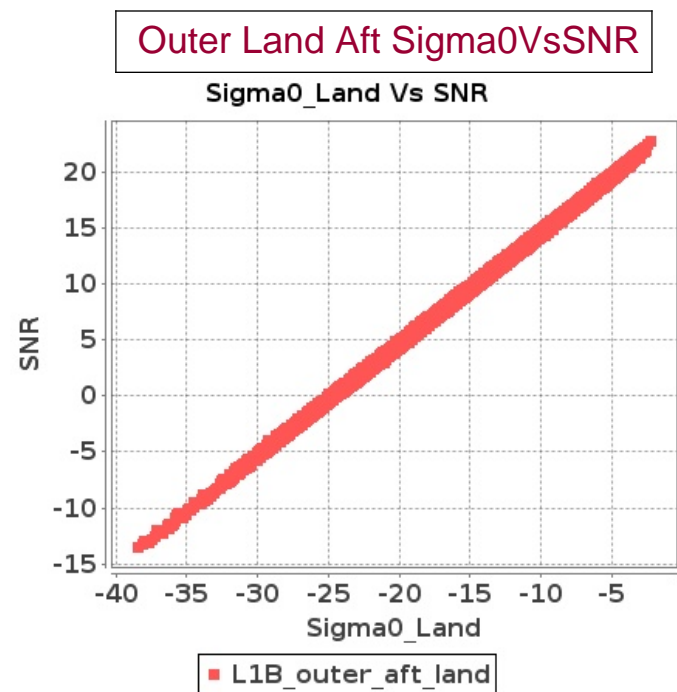
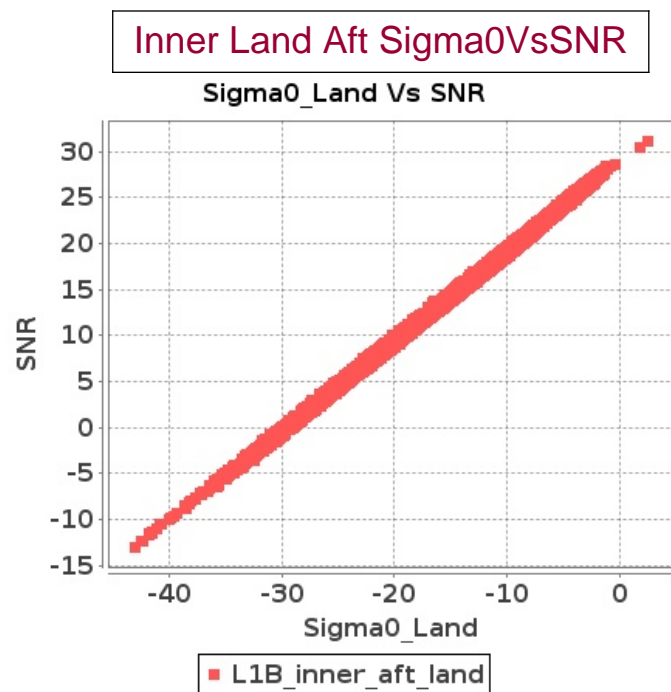
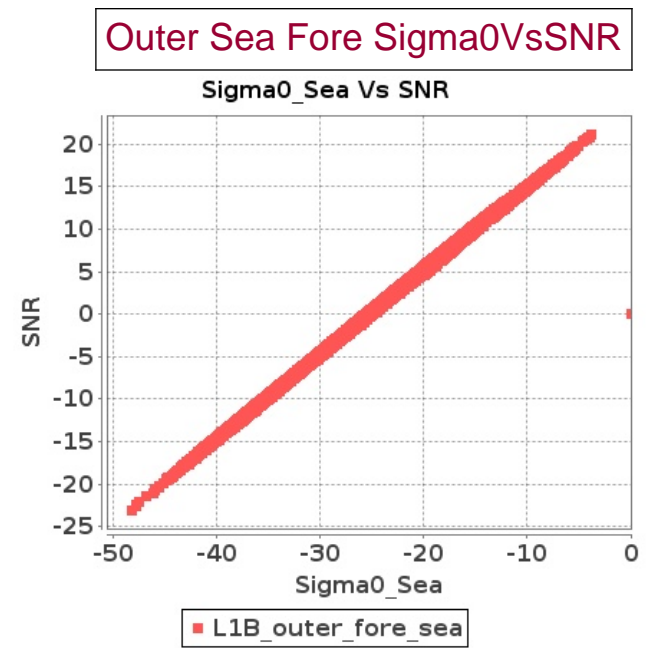
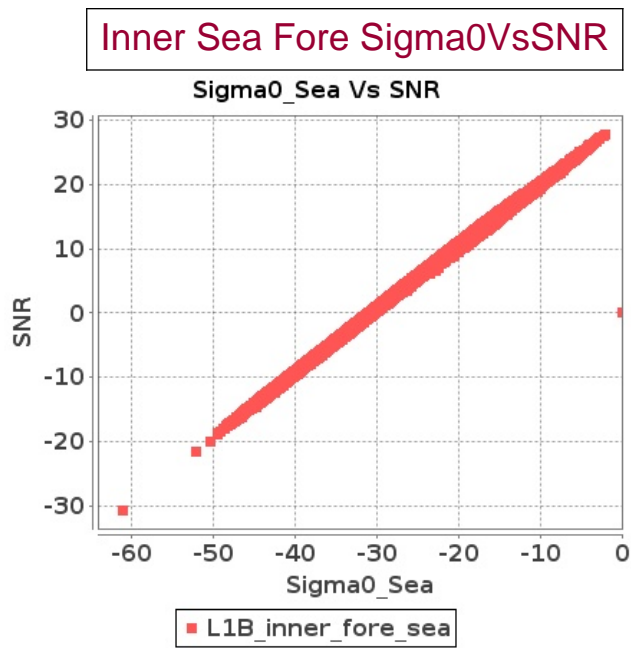
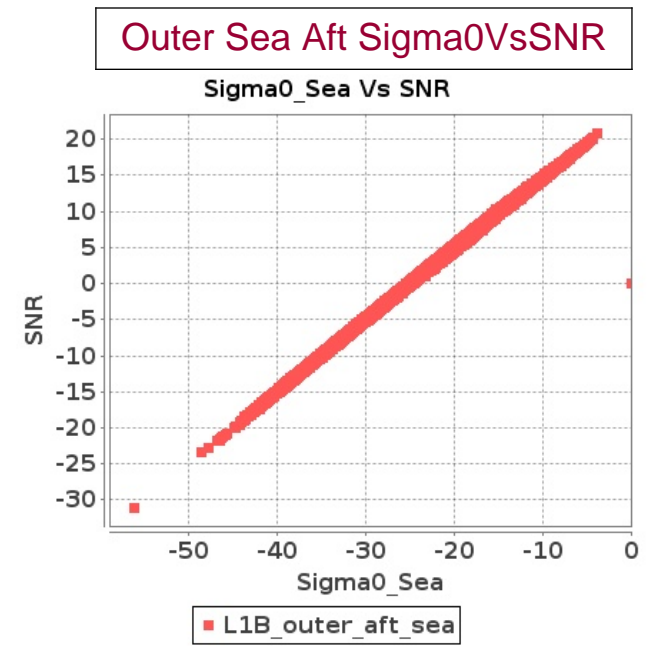
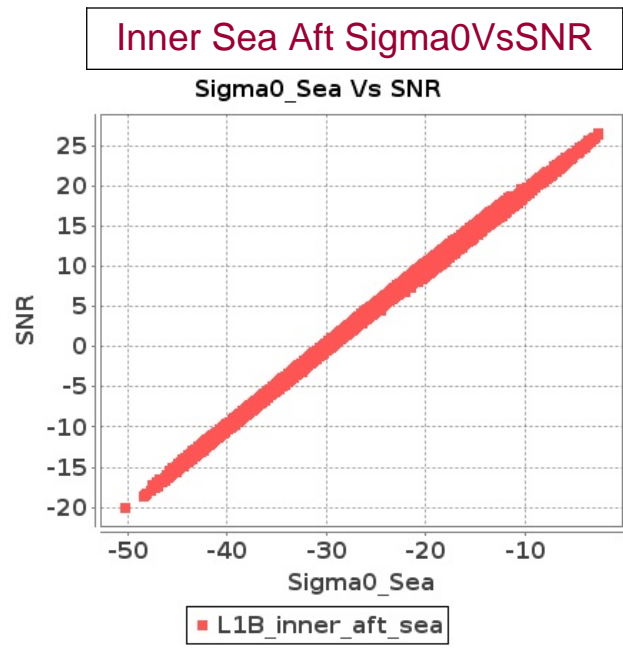
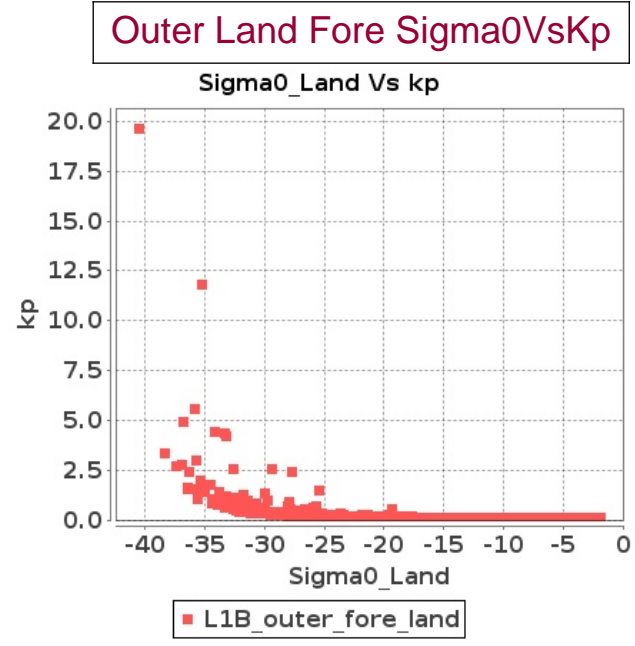
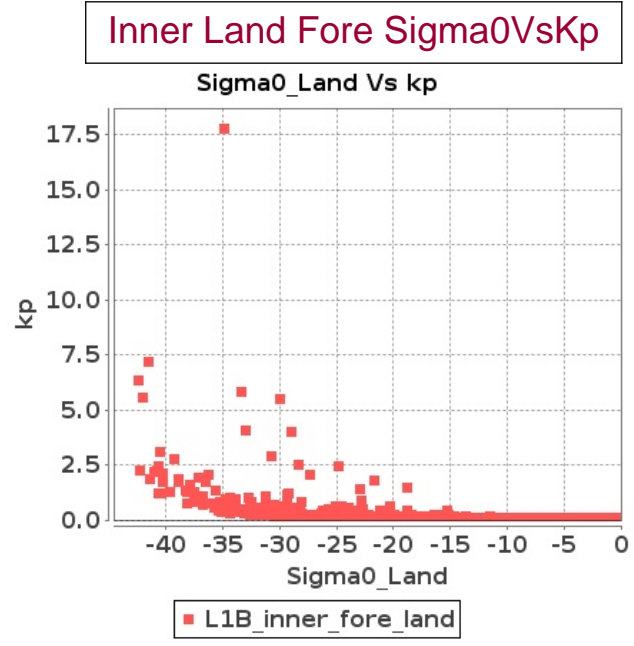
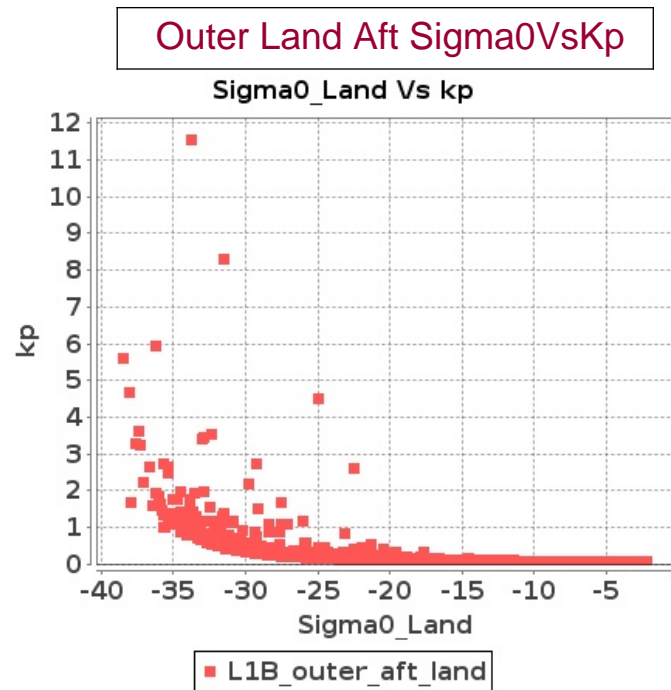
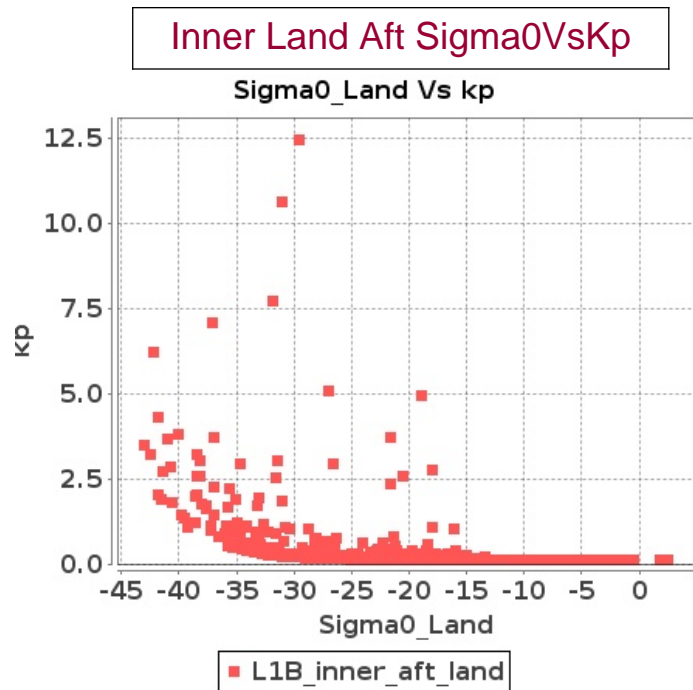
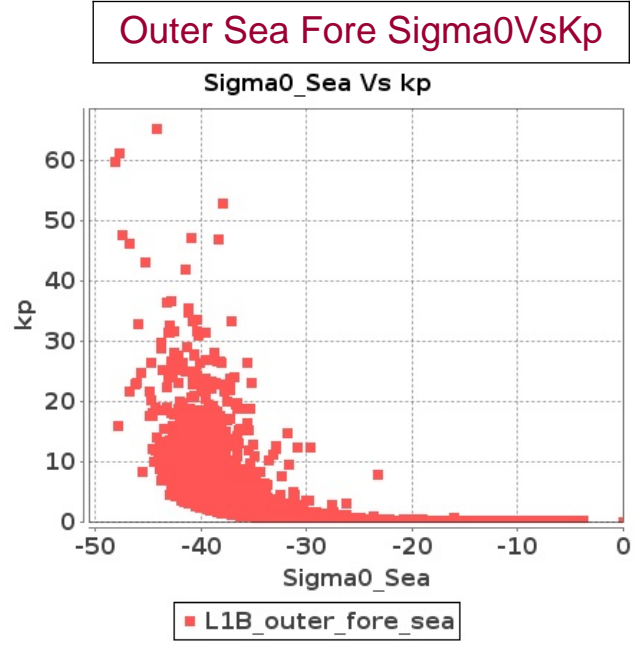
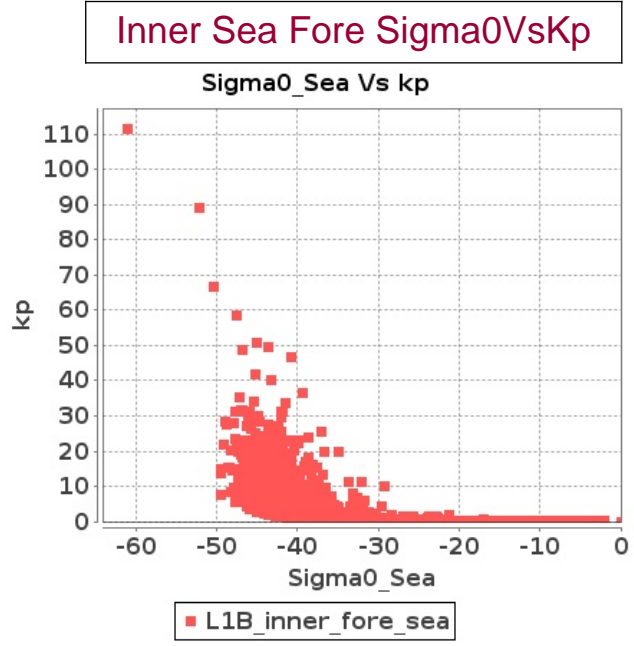
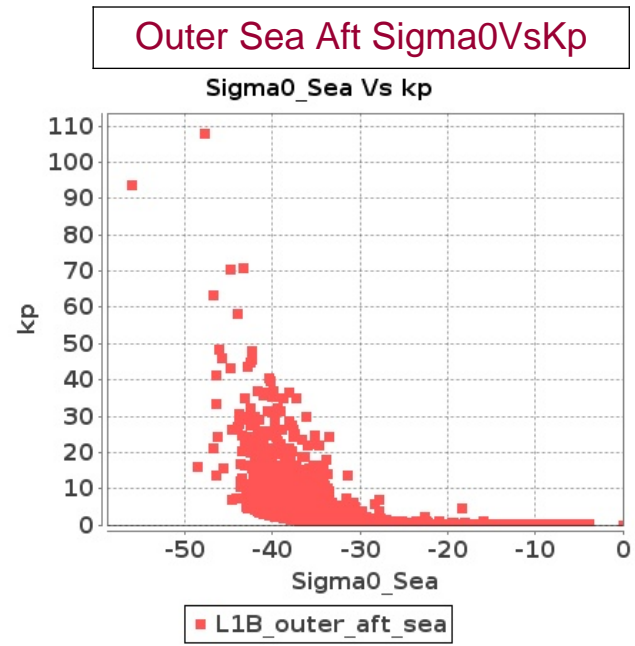
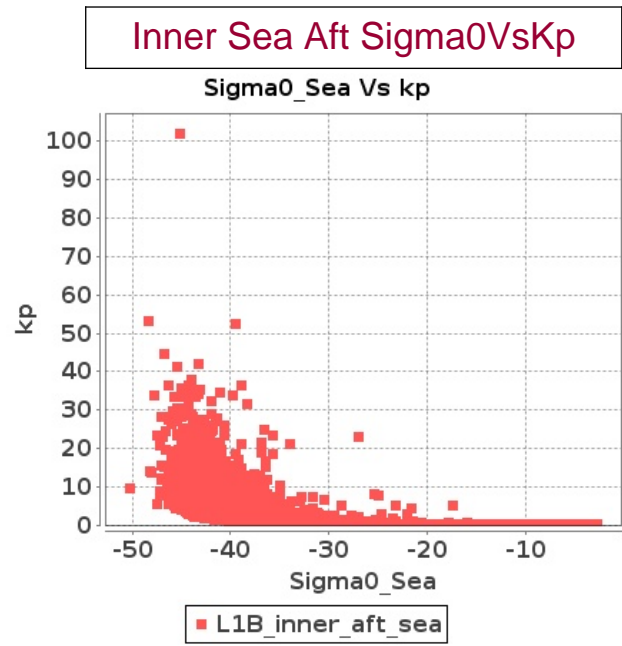


# SCATSAT-1 Scatterometer Level-1B Data Quality Cycle wise Report

Report between 07-FEB-2020 To 08-FEB-2020





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

Report between 07-FEB-2020 To 08-FEB-2020

|       |             |           |      |      | 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     | 17817       | 17818     | SN   | 1    | 48.795          | 49.369 | 0.0       | 0.003         | 6.475   | 2.008     | 1031.84  | 1076.816 | 0.0       | -91.29   | -89.636 | 0.0       |
| 2     | 17817       | 17818     | SN   | 1    | 48.795          | 49.369 | 0.0       | 0.0           | 98.189  | 2.741     | 1031.84  | 1076.816 | 0.0       | -91.29   | -89.636 | 0.0       |
| 3     | 17817       | 17818     | SN   | 1    | 48.791          | 49.369 | 0.0       | 0.0           | 98.189  | 2.738     | 1031.84  | 1076.816 | 0.0       | -91.399  | -89.636 | 0.0       |
| 4     | 17818       | 17819     | SN   | 1    | 48.673          | 49.412 | 0.0       | 0.003         | 6.469   | 2.427     | 1030.64  | 1076.76  | 0.0       | -91.43   | -89.623 | 0.0       |
| 5     | 17818       | 17819     | NS   | 1    | 48.776          | 49.338 | 0.0       | 0.003         | 264.13  | 2.516     | 1041.272 | 1076.688 | 0.0       | -91.439  | -89.718 | 0.0       |
| 6     | 17818       | 17819     | SN   | 2    | 48.673          | 49.412 | 0.0       | 0.003         | 6.469   | 2.614     | 1030.64  | 1076.76  | 0.0       | -91.43   | -89.623 | 0.0       |
| 7     | 17818       | 17819     | NS   | 1    | 48.776          | 49.338 | 0.0       | 0.003         | 264.13  | 2.519     | 1041.272 | 1076.688 | 0.0       | -91.475  | -89.718 | 0.0       |
| 8     | 17818       | 17819     | SN   | 1    | 48.673          | 49.412 | 0.0       | 0.003         | 6.469   | 2.614     | 1030.64  | 1076.76  | 0.0       | -91.43   | -89.623 | 0.0       |
| 9     | 17819       | 17820     | SN   | 2    | 48.724          | 49.373 | 0.0       | 0.003         | 6.469   | 2.367     | 1030.56  | 1076.92  | 0.0       | -91.475  | -89.651 | 0.0       |
| 10    | 17819       | 17820     | NS   | 1    | 48.773          | 49.339 | 0.0       | 0.0           | 264.549 | 2.64      | 1040.464 | 1076.84  | 0.0       | -91.912  | -89.677 | 0.0       |
| 11    | 17819       | 17820     | NS   | 1    | 48.773          | 49.339 | 0.0       | 0.0           | 264.549 | 2.638     | 1040.464 | 1076.84  | 0.0       | -91.443  | -89.677 | 0.0       |
| 12    | 17819       | 17820     | SN   | 1    | 48.724          | 49.373 | 0.0       | 0.003         | 6.464   | 2.367     | 1030.56  | 1076.904 | 0.0       | -91.475  | -89.651 | 0.0       |
| 13    | 17819       | 17820     | SN   | 1    | 48.724          | 49.373 | 0.0       | 0.003         | 6.464   | 2.515     | 1030.56  | 1076.904 | 0.0       | -91.475  | -89.651 | 0.0       |
| 14    | 17820       | 17821     | SN   | 1    | 48.759          | 49.392 | 0.0       | 0.003         | 6.469   | 2.319     | 1031.04  | 1076.832 | 0.0       | -91.482  | -89.652 | 0.0       |
| 15    | 17820       | 17821     | NS   | 1    | 48.747          | 49.366 | 0.0       | 0.0           | 210.607 | 2.658     | 1041.36  | 1076.752 | 0.0       | -91.538  | -89.73  | 0.0       |
| 16    | 17820       | 17821     | NS   | 1    | 48.745          | 49.364 | 0.0       | 0.0           | 210.607 | 2.669     | 1040.888 | 1076.752 | 0.0       | -91.476  | -89.73  | 0.0       |
| 17    | 17820       | 17821     | SN   | 1    | 48.759          | 49.392 | 0.0       | 0.003         | 6.469   | 2.532     | 1031.04  | 1076.832 | 0.0       | -91.482  | -89.652 | 0.0       |
| 18    | 17820       | 17821     | SN   | 1    | 48.759          | 49.392 | 0.0       | 0.003         | 6.469   | 2.535     | 1031.04  | 1076.832 | 0.0       | -91.482  | -89.652 | 0.0       |
| 19    | 17821       | 17822     | SN   | 1    | 48.763          | 49.427 | 0.0       | 0.003         | 6.464   | 2.504     | 1031.312 | 1076.672 | 0.0       | -91.418  | -89.652 | 0.0       |
| 20    | 17821       | 17822     | NS   | 1    | 48.74           | 49.352 | 0.0       | 0.003         | 43.196  | 2.577     | 1041.32  | 1076.608 | 0.0       | -91.438  | -89.709 | 0.0       |
| 21    | 17821       | 17822     | SN   | 1    | 48.76           | 49.427 | 0.0       | 0.003         | 6.464   | 2.16      | 1031.304 | 1076.68  | 0.0       | -91.418  | -89.652 | 0.0       |
| 22    | 17821       | 17822     | SN   | 1    | 48.76           | 49.427 | 0.0       | 0.003         | 6.464   | 2.505     | 1031.304 | 1076.68  | 0.0       | -91.418  | -89.652 | 0.0       |
| 23    | 17821       | 17822     | NS   | 1    | 48.74           | 49.373 | 0.0       | 0.003         | 43.196  | 2.588     | 1041.08  | 1076.608 | 0.0       | -91.522  | -89.709 | 0.0       |
| 24    | 17822       | 17823     | NS   | 2    | 48.778          | 49.363 | 0.0       | 0.003         | 267.246 | 2.694     | 1041.592 | 1076.504 | 0.0       | -91.521  | -89.726 | 0.0       |
| 25    | 17822       | 17823     | SN   | 1    | 48.78           | 49.399 | 0.0       | 0.003         | 6.464   | 2.545     | 1031.488 | 1076.568 | 0.0       | -91.446  | -89.652 | 0.0       |
| 26    | 17822       | 17823     | SN   | 1    | 48.78           | 49.399 | 0.0       | 0.003         | 6.464   | 1.988     | 1031.488 | 1076.568 | 0.0       | -91.446  | -89.652 | 0.0       |
| 27    | 17822       | 17823     | SN   | 1    | 48.73           | 49.43  | 0.0       | 0.003         | 6.464   | 2.554     | 1031.384 | 1076.552 | 0.0       | -91.459  | -89.652 | 0.0       |
| 28    | 17822       | 17823     | NS   | 1    | 48.778          | 49.363 | 0.0       | 0.003         | 267.246 | 2.694     | 1041.592 | 1076.504 | 0.0       | -91.521  | -89.726 | 0.0       |
| 29    | 17823       | 17824     | SN   | 1    | 48.755          | 49.414 | 0.0       | 0.003         | 6.458   | 2.642     | 1031.688 | 1076.464 | 0.0       | -91.515  | -89.653 | 0.0       |
| 30    | 17823       | 17824     | SN   | 1    | 48.749          | 49.425 | 0.0       | 0.003         | 6.458   | 2.276     | 1031.688 | 1076.488 | 0.0       | -91.514  | -89.653 | 0.0       |
| 31    | 17823       | 17824     | NS   | 2    | 48.712          | 49.35  | 0.0       | 0.003         | 13.319  | 2.559     | 1040.96  | 1076.408 | 0.0       | -91.358  | -89.736 | 0.0       |
| 32    | 17823       | 17824     | NS   | 1    | 48.712          | 49.35  | 0.0       | 0.003         | 13.319  | 2.559     | 1040.96  | 1076.408 | 0.0       | -91.358  | -89.736 | 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 | 17823 | 17824 | SN | 1 | 48.749 | 49.425 | 0.0 | 0.003 | 6.458   | 2.643 | 1031.688 | 1076.488 | 0.0 | -91.514 | -89.653 | 0.0 |
| 34 | 17824 | 17825 | SN | 2 | 48.772 | 49.385 | 0.0 | 0.003 | 6.447   | 2.676 | 1030.952 | 1076.608 | 0.0 | -91.437 | -89.646 | 0.0 |
| 35 | 17824 | 17825 | SN | 1 | 48.772 | 49.385 | 0.0 | 0.003 | 6.447   | 1.573 | 1030.952 | 1076.608 | 0.0 | -91.437 | -89.646 | 0.0 |
| 36 | 17824 | 17825 | NS | 1 | 48.73  | 49.367 | 0.0 | 0.0   | 206.575 | 2.704 | 1041.256 | 1076.536 | 0.0 | -91.543 | -89.735 | 0.0 |
| 37 | 17824 | 17825 | NS | 1 | 48.73  | 49.367 | 0.0 | 0.0   | 206.575 | 2.702 | 1041.256 | 1076.536 | 0.0 | -91.521 | -89.735 | 0.0 |
| 38 | 17824 | 17825 | SN | 1 | 48.772 | 49.385 | 0.0 | 0.003 | 6.447   | 2.675 | 1030.952 | 1076.608 | 0.0 | -91.437 | -89.646 | 0.0 |
| 39 | 17825 | 17826 | NS | 1 | 48.776 | 49.347 | 0.0 | 0.0   | 267.213 | 2.632 | 1041.248 | 1076.568 | 0.0 | -91.417 | -89.709 | 0.0 |
| 40 | 17825 | 17826 | SN | 2 | 48.75  | 49.368 | 0.0 | 0.003 | 6.464   | 2.57  | 1031.976 | 1077.072 | 0.0 | -91.404 | -89.611 | 0.0 |
| 41 | 17825 | 17826 | SN | 1 | 48.75  | 49.368 | 0.0 | 0.003 | 6.464   | 2.57  | 1031.976 | 1077.072 | 0.0 | -91.404 | -89.611 | 0.0 |
| 42 | 17825 | 17826 | NS | 1 | 48.777 | 49.347 | 0.0 | 0.0   | 267.213 | 2.63  | 1040.712 | 1076.56  | 0.0 | -91.423 | -89.709 | 0.0 |
| 43 | 17826 | 17827 | SN | 1 | 48.554 | 49.368 | 0.0 | 0.0   | 261.08  | 5.714 | 1031.296 | 1076.632 | 0.0 | -91.974 | -89.658 | 0.0 |
| 44 | 17826 | 17827 | SN | 1 | 48.554 | 49.407 | 0.0 | 0.0   | 261.08  | 4.841 | 1030.928 | 1076.752 | 0.0 | -91.974 | -89.658 | 0.0 |
| 45 | 17826 | 17827 | NS | 1 | 48.77  | 49.468 | 0.0 | 0.003 | 264.593 | 2.717 | 1040.328 | 1080.576 | 0.0 | -92.549 | -89.71  | 0.0 |
| 46 | 17826 | 17827 | NS | 2 | 48.77  | 49.467 | 0.0 | 0.003 | 206.956 | 2.716 | 1040.32  | 1080.568 | 0.0 | -92.549 | -89.71  | 0.0 |
| 47 | 17827 | 17828 | SN | 1 | 48.736 | 49.433 | 0.0 | 0.003 | 6.469   | 2.611 | 1031.664 | 1076.456 | 0.0 | -91.407 | -89.631 | 0.0 |
| 48 | 17827 | 17828 | NS | 1 | 48.777 | 49.357 | 0.0 | 0.003 | 13.324  | 2.611 | 1040.448 | 1076.584 | 0.0 | -91.526 | -89.734 | 0.0 |
| 49 | 17828 | 17829 | SN | 1 | 48.722 | 49.386 | 0.0 | 0.003 | 6.458   | 2.617 | 1031.904 | 1076.512 | 0.0 | -91.483 | -89.638 | 0.0 |
| 50 | 17828 | 17829 | NS | 1 | 48.727 | 49.35  | 0.0 | 0.0   | 41.142  | 2.721 | 1040.288 | 1076.44  | 0.0 | -91.572 | -89.732 | 0.0 |
| 51 | 17828 | 17829 | SN | 1 | 48.722 | 49.386 | 0.0 | 0.003 | 6.458   | 2.619 | 1031.904 | 1076.512 | 0.0 | -91.483 | -89.638 | 0.0 |
| 52 | 17828 | 17829 | NS | 1 | 48.726 | 49.362 | 0.0 | 0.0   | 42.821  | 2.552 | 1040.264 | 1076.536 | 0.0 | -91.553 | -89.732 | 0.0 |
| 53 | 17828 | 17829 | NS | 1 | 48.726 | 49.362 | 0.0 | 0.0   | 42.821  | 2.724 | 1040.264 | 1076.776 | 0.0 | -91.541 | -89.732 | 0.0 |
| 54 | 17829 | 17830 | SN | 1 | 48.737 | 49.407 | 0.0 | 0.003 | 6.447   | 2.586 | 1031.216 | 1076.504 | 0.0 | -91.441 | -89.653 | 0.0 |
| 55 | 17829 | 17830 | NS | 1 | 48.764 | 49.338 | 0.0 | 0.003 | 266.942 | 2.581 | 1040.056 | 1076.448 | 0.0 | -91.543 | -89.733 | 0.0 |
| 56 | 17829 | 17830 | SN | 2 | 48.737 | 49.407 | 0.0 | 0.003 | 6.447   | 2.586 | 1031.216 | 1076.504 | 0.0 | -91.441 | -89.653 | 0.0 |
| 57 | 17829 | 17830 | NS | 1 | 48.764 | 49.36  | 0.0 | 0.003 | 266.942 | 2.578 | 1040.056 | 1076.432 | 0.0 | -91.455 | -89.733 | 0.0 |
| 58 | 17830 | 17831 | NS | 1 | 48.722 | 49.337 | 0.0 | 0.003 | 264.599 | 2.633 | 1040.976 | 1076.52  | 0.0 | -91.364 | -89.729 | 0.0 |
| 59 | 17830 | 17831 | NS | 1 | 48.774 | 49.337 | 0.0 | 0.003 | 264.599 | 2.631 | 1040.976 | 1076.52  | 0.0 | -91.399 | -89.729 | 0.0 |
| 60 | 17830 | 17831 | SN | 1 | 48.751 | 49.386 | 0.0 | 0.003 | 280.84  | 2.568 | 1031.624 | 1076.584 | 0.0 | -92.168 | -89.656 | 0.0 |
| 61 | 17830 | 17831 | SN | 2 | 48.751 | 49.387 | 0.0 | 0.003 | 33.473  | 2.567 | 1031.632 | 1076.584 | 0.0 | -92.168 | -89.656 | 0.0 |
| 62 | 17830 | 17831 | NS | 1 | 48.722 | 49.337 | 0.0 | 0.003 | 264.599 | 1.543 | 1040.976 | 1075.664 | 0.0 | -91.358 | -89.729 | 0.0 |
| 63 | 17831 | 17832 | SN | 1 | 48.754 | 49.371 | 0.0 | 0.003 | 6.464   | 1.694 | 1032.144 | 1076.6   | 0.0 | -91.286 | -89.66  | 0.0 |
| 64 | 17831 | 17832 | NS | 1 | 48.748 | 49.337 | 0.0 | 0.003 | 41.85   | 2.564 | 1040.384 | 1076.528 | 0.0 | -91.28  | -89.716 | 0.0 |
| 65 | 17831 | 17832 | NS | 1 | 48.774 | 49.368 | 0.0 | 0.003 | 41.85   | 2.562 | 1040.256 | 1076.528 | 0.0 | -91.327 | -89.716 | 0.0 |
| 66 | 17831 | 17832 | SN | 1 | 48.754 | 49.371 | 0.0 | 0.0   | 84.39   | 2.749 | 1032.144 | 1076.6   | 0.0 | -91.286 | -89.66  | 0.0 |
| 67 | 17831 | 17832 | SN | 1 | 48.754 | 49.371 | 0.0 | 0.0   | 84.39   | 2.752 | 1032.144 | 1076.6   | 0.0 | -91.286 | -89.66  | 0.0 |
| 68 | 17831 | 17832 | NS | 1 | 48.748 | 49.337 | 0.0 | 0.003 | 41.85   | 1.552 | 1040.384 | 1073.736 | 0.0 | -91.28  | -89.716 | 0.0 |
| 69 | 17832 | 17833 | SN | 1 | 48.729 | 49.393 | 0.0 | 0.003 | 6.464   | 2.43  | 1031.256 | 1076.424 | 0.0 | -91.388 | -89.607 | 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  | 17832 | 17833 | SN | 1 | 48.748 | 49.393 | 0.0 | 0.003 | 31.411  | 2.733 | 1031.256 | 1076.424 | 0.0 | -91.388 | -89.607 | 0.0 |
| 71  | 17832 | 17833 | NS | 1 | 48.776 | 49.359 | 0.0 | 0.0   | 266.942 | 2.832 | 1040.288 | 1076.344 | 0.0 | -91.405 | -89.71  | 0.0 |
| 72  | 17833 | 17834 | SN | 1 | 48.746 | 49.38  | 0.0 | 0.003 | 6.469   | 2.392 | 1030.832 | 1076.592 | 0.0 | -91.462 | -89.639 | 0.0 |
| 73  | 17833 | 17834 | SN | 2 | 48.745 | 49.381 | 0.0 | 0.003 | 6.469   | 2.391 | 1030.84  | 1076.592 | 0.0 | -91.462 | -89.639 | 0.0 |
| 74  | 17833 | 17834 | NS | 1 | 48.776 | 49.339 | 0.0 | 0.003 | 42.81   | 2.495 | 1040.48  | 1076.528 | 0.0 | -91.517 | -89.696 | 0.0 |
| 75  | 17833 | 17834 | NS | 2 | 48.776 | 49.339 | 0.0 | 0.003 | 42.81   | 2.495 | 1040.48  | 1076.528 | 0.0 | -91.517 | -89.696 | 0.0 |
| 76  | 17833 | 17834 | SN | 1 | 48.746 | 49.38  | 0.0 | 0.003 | 6.469   | 2.541 | 1030.832 | 1076.592 | 0.0 | -91.462 | -89.639 | 0.0 |
| 77  | 17834 | 17835 | NS | 1 | 48.72  | 49.358 | 0.0 | 0.003 | 267.411 | 2.561 | 1040.288 | 1076.576 | 0.0 | -91.454 | -89.704 | 0.0 |
| 78  | 17834 | 17835 | SN | 1 | 48.755 | 49.38  | 0.0 | 0.003 | 6.464   | 2.334 | 1031.76  | 1076.632 | 0.0 | -91.312 | -89.656 | 0.0 |
| 79  | 17834 | 17835 | SN | 2 | 48.755 | 49.38  | 0.0 | 0.003 | 6.464   | 2.519 | 1031.76  | 1076.632 | 0.0 | -91.312 | -89.656 | 0.0 |
| 80  | 17834 | 17835 | SN | 1 | 48.755 | 49.38  | 0.0 | 0.003 | 6.464   | 2.519 | 1031.76  | 1076.632 | 0.0 | -91.312 | -89.656 | 0.0 |
| 81  | 17834 | 17835 | NS | 1 | 48.72  | 49.339 | 0.0 | 0.003 | 267.411 | 2.559 | 1040.92  | 1076.576 | 0.0 | -91.454 | -89.704 | 0.0 |
| 82  | 17835 | 17836 | SN | 2 | 48.732 | 49.386 | 0.0 | 0.003 | 278.37  | 2.561 | 1031.68  | 1076.496 | 0.0 | -91.479 | -89.635 | 0.0 |
| 83  | 17835 | 17836 | SN | 1 | 48.732 | 49.386 | 0.0 | 0.003 | 278.37  | 2.267 | 1031.68  | 1076.496 | 0.0 | -91.479 | -89.635 | 0.0 |
| 84  | 17835 | 17836 | SN | 1 | 48.731 | 49.386 | 0.0 | 0.003 | 6.452   | 2.56  | 1031.672 | 1076.496 | 0.0 | -91.479 | -89.636 | 0.0 |
| 85  | 17835 | 17836 | NS | 1 | 48.737 | 49.34  | 0.0 | 0.003 | 42.854  | 2.592 | 1040.488 | 1076.448 | 0.0 | -91.51  | -89.714 | 0.0 |
| 86  | 17835 | 17836 | NS | 1 | 48.737 | 49.34  | 0.0 | 0.003 | 42.854  | 2.595 | 1040.488 | 1076.448 | 0.0 | -91.49  | -89.714 | 0.0 |
| 87  | 17836 | 17837 | SN | 1 | 48.747 | 49.415 | 0.0 | 0.003 | 27.986  | 2.53  | 1031.488 | 1076.4   | 0.0 | -91.483 | -89.655 | 0.0 |
| 88  | 17836 | 17837 | NS | 2 | 48.777 | 49.362 | 0.0 | 0.0   | 38.892  | 2.748 | 1041.448 | 1076.776 | 0.0 | -91.486 | -89.724 | 0.0 |
| 89  | 17836 | 17837 | SN | 1 | 48.742 | 49.415 | 0.0 | 0.003 | 27.986  | 2.528 | 1031.208 | 1076.4   | 0.0 | -91.483 | -89.655 | 0.0 |
| 90  | 17836 | 17837 | SN | 1 | 48.747 | 49.415 | 0.0 | 0.003 | 27.986  | 2.086 | 1031.488 | 1076.4   | 0.0 | -91.483 | -89.655 | 0.0 |
| 91  | 17836 | 17837 | NS | 1 | 48.777 | 49.362 | 0.0 | 0.0   | 38.892  | 2.748 | 1041.448 | 1076.776 | 0.0 | -91.486 | -89.724 | 0.0 |
| 92  | 17837 | 17838 | NS | 1 | 48.724 | 49.341 | 0.0 | 0.003 | 264.593 | 2.591 | 1041.4   | 1076.2   | 0.0 | -91.452 | -89.731 | 0.0 |
| 93  | 17837 | 17838 | NS | 2 | 48.724 | 49.341 | 0.0 | 0.003 | 264.593 | 2.59  | 1041.4   | 1076.2   | 0.0 | -91.452 | -89.731 | 0.0 |
| 94  | 17837 | 17838 | SN | 1 | 48.782 | 49.369 | 0.0 | 0.003 | 6.458   | 2.597 | 1031.832 | 1076.248 | 0.0 | -91.488 | -89.655 | 0.0 |
| 95  | 17837 | 17838 | SN | 1 | 48.776 | 49.368 | 0.0 | 0.003 | 28.328  | 2.595 | 1031.84  | 1076.224 | 0.0 | -91.488 | -89.655 | 0.0 |
| 96  | 17837 | 17838 | SN | 1 | 48.782 | 49.369 | 0.0 | 0.003 | 6.458   | 1.897 | 1031.832 | 1076.248 | 0.0 | -91.488 | -89.655 | 0.0 |
| 97  | 17838 | 17839 | SN | 1 | 48.767 | 49.404 | 0.0 | 0.003 | 6.453   | 2.673 | 1031.4   | 1076.272 | 0.0 | -91.51  | -89.631 | 0.0 |
| 98  | 17838 | 17839 | SN | 1 | 48.767 | 49.404 | 0.0 | 0.003 | 6.453   | 1.655 | 1031.4   | 1076.272 | 0.0 | -91.51  | -89.631 | 0.0 |
| 99  | 17838 | 17839 | NS | 1 | 48.711 | 49.34  | 0.0 | 0.003 | 206.752 | 2.624 | 1040.888 | 1076.224 | 0.0 | -91.769 | -89.732 | 0.0 |
| 100 | 17838 | 17839 | NS | 2 | 48.711 | 49.34  | 0.0 | 0.003 | 206.752 | 2.624 | 1040.888 | 1076.224 | 0.0 | -91.769 | -89.732 | 0.0 |
| 101 | 17839 | 17840 | SN | 1 | 48.771 | 49.374 | 0.0 | 0.003 | 215.499 | 2.612 | 1031.192 | 1076.456 | 0.0 | -91.401 | -89.642 | 0.0 |
| 102 | 17839 | 17840 | NS | 1 | 48.739 | 49.372 | 0.0 | 0.003 | 210.381 | 2.582 | 1041.112 | 1076.384 | 0.0 | -91.761 | -89.731 | 0.0 |
| 103 | 17839 | 17840 | SN | 1 | 48.771 | 49.374 | 0.0 | 0.003 | 215.499 | 1.548 | 1031.192 | 1076.456 | 0.0 | -91.401 | -89.642 | 0.0 |
| 104 | 17839 | 17840 | NS | 1 | 48.754 | 49.37  | 0.0 | 0.003 | 266.942 | 2.585 | 1041.08  | 1076.336 | 0.0 | -91.761 | -89.73  | 0.0 |
| 105 | 17840 | 17841 | SN | 2 | 48.762 | 49.39  | 0.0 | 0.003 | 6.464   | 2.54  | 1031.272 | 1076.48  | 0.0 | -91.436 | -89.627 | 0.0 |
| 106 | 17840 | 17841 | NS | 1 | 48.744 | 49.371 | 0.0 | 0.0   | 207.055 | 2.821 | 1040.544 | 1076.288 | 0.0 | -91.362 | -89.724 | 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 | 17840 | 17841 | NS | 1 | 48.775 | 49.371 | 0.0 | 0.0   | 207.055 | 2.818 | 1041.176 | 1076.288 | 0.0 | -91.467 | -89.724 | 0.0 |
| 108 | 17840 | 17841 | SN | 1 | 48.762 | 49.39  | 0.0 | 0.003 | 6.464   | 2.54  | 1031.272 | 1076.48  | 0.0 | -91.436 | -89.627 | 0.0 |
| 109 | 17841 | 17842 | SN | 1 | 48.736 | 49.382 | 0.0 | 0.003 | 6.464   | 2.557 | 1032.096 | 1076.2   | 0.0 | -91.473 | -89.659 | 0.0 |
| 110 | 17841 | 17842 | NS | 1 | 48.773 | 49.35  | 0.0 | 0.0   | 266.628 | 2.662 | 1040.264 | 1076.12  | 0.0 | -92.094 | -89.707 | 0.0 |
| 111 | 17841 | 17842 | NS | 1 | 48.778 | 49.34  | 0.0 | 0.0   | 266.628 | 2.675 | 1040.28  | 1076.512 | 0.0 | -92.094 | -89.707 | 0.0 |
| 112 | 17842 | 17843 | SN | 1 | 48.75  | 49.383 | 0.0 | 0.003 | 6.464   | 2.642 | 1032.12  | 1076.24  | 0.0 | -91.464 | -89.628 | 0.0 |
| 113 | 17842 | 17843 | NS | 1 | 48.722 | 49.357 | 0.0 | 0.003 | 43.158  | 2.655 | 1041.192 | 1076.984 | 0.0 | -91.467 | -89.733 | 0.0 |
| 114 | 17842 | 17843 | NS | 1 | 48.722 | 49.357 | 0.0 | 0.003 | 43.158  | 2.606 | 1041.192 | 1076.984 | 0.0 | -91.467 | -89.733 | 0.0 |
| 115 | 17843 | 17844 | NS | 1 | 48.728 | 49.365 | 0.0 | 0.003 | 13.506  | 2.175 | 1040.288 | 1075.952 | 0.0 | -91.524 | -89.732 | 0.0 |
| 116 | 17843 | 17844 | SN | 1 | 48.77  | 49.368 | 0.0 | 0.003 | 6.452   | 2.584 | 1032.104 | 1076.28  | 0.0 | -91.484 | -89.633 | 0.0 |
| 117 | 17843 | 17844 | NS | 1 | 48.728 | 49.365 | 0.0 | 0.003 | 13.506  | 2.552 | 1040.288 | 1076.176 | 0.0 | -91.534 | -89.732 | 0.0 |
| 118 | 17844 | 17845 | SN | 1 | 48.734 | 49.435 | 0.0 | 0.003 | 6.447   | 2.588 | 1031.384 | 1076.328 | 0.0 | -91.479 | -89.66  | 0.0 |
| 119 | 17844 | 17845 | NS | 1 | 48.722 | 49.337 | 0.0 | 0.0   | 267.268 | 2.745 | 1040.904 | 1076.224 | 0.0 | -91.335 | -89.728 | 0.0 |
| 120 | 17844 | 17845 | NS | 1 | 48.722 | 49.337 | 0.0 | 0.0   | 267.268 | 1.845 | 1040.904 | 1075.6   | 0.0 | -91.335 | -89.728 | 0.0 |
| 121 | 17845 | 17846 | NS | 1 | 48.762 | 49.338 | 0.0 | 0.003 | 206.961 | 1.512 | 1040.456 | 1074.632 | 0.0 | -91.438 | -89.73  | 0.0 |
| 122 | 17845 | 17846 | SN | 1 | 48.735 | 49.369 | 0.0 | 0.003 | 6.452   | 2.669 | 1032.248 | 1076.392 | 0.0 | -91.754 | -89.66  | 0.0 |
| 123 | 17845 | 17846 | NS | 1 | 48.762 | 49.338 | 0.0 | 0.003 | 206.961 | 2.577 | 1040.456 | 1076.288 | 0.0 | -91.438 | -89.73  | 0.0 |
| 124 | 17846 | 17847 | NS | 1 | 48.775 | 49.462 | 0.0 | 0.0   | 215.78  | 2.8   | 1040.768 | 1076.192 | 0.0 | -91.902 | -89.728 | 0.0 |
| 125 | 17846 | 17847 | NS | 1 | 48.775 | 49.366 | 0.0 | 0.003 | 18.117  | 1.798 | 1040.768 | 1072.088 | 0.0 | -91.464 | -89.728 | 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     | 17817       | 17818     | SN      | 1    | -33.908 | 24.548   | 0.78       | -33.509 | 24.797   | 2.095      | -13.731 | 28.267    | 7.461      | -24.79  | 29.627  | 9.272      | 0.116 | 238.374  | 1.925      | 0.116 | 217.505  | 1.582      | 0.116 | 2.378     | 0.002      | 0.116 | 29.283  | 0.01       |
| 2     | 17817       | 17818     | SN      | 1    | -33.908 | 24.548   | 0.933      | -33.509 | 24.797   | 2.324      | -13.731 | 28.267    | 7.621      | -24.79  | 29.627  | 9.274      | 0.116 | 238.374  | 1.826      | 0.116 | 217.505  | 1.426      | 0.116 | 2.378     | 0.002      | 0.116 | 29.283  | 0.01       |
| 3     | 17817       | 17818     | SN      | 1    | -34.475 | 24.548   | 0.929      | -34.823 | 24.797   | 2.319      | -13.728 | 28.267    | 7.619      | -25.081 | 29.627  | 9.274      | 0.116 | 271.631  | 1.825      | 0.116 | 294.213  | 1.434      | 0.116 | 2.376     | 0.002      | 0.116 | 31.309  | 0.01       |
| 4     | 17818       | 17819     | SN      | 1    | -34.789 | 24.367   | 0.621      | -34.922 | 25.548   | 1.829      | -0.903  | 31.827    | 7.941      | -2.05   | 29.514  | 4.993      | 0.116 | 291.914  | 7.491      | 0.116 | 301.0    | 6.3        | 0.116 | 0.221     | 0.0        | 0.116 | 0.255   | 0.0        |
| 5     | 17818       | 17819     | NS      | 1    | -34.473 | 26.073   | 0.28       | -33.02  | 26.762   | 0.327      | 1.917   | 32.916    | 8.054      | 2.825   | 34.477  | 20.569     | 0.116 | 271.476  | 1.669      | 0.116 | 194.361  | 1.251      | 0.116 | 0.168     | 0.0        | 0.116 | 0.158   | 0.0        |
| 6     | 17818       | 17819     | SN      | 2    | -34.789 | 24.367   | 0.649      | -34.922 | 25.548   | 1.781      | -0.903  | 31.827    | 7.941      | -2.05   | 29.514  | 4.993      | 0.116 | 291.914  | 7.274      | 0.116 | 301.0    | 6.131      | 0.116 | 0.221     | 0.0        | 0.116 | 0.255   | 0.0        |
| 7     | 17818       | 17819     | NS      | 1    | -34.871 | 26.075   | 0.28       | -34.536 | 26.762   | 0.327      | 1.917   | 32.916    | 8.056      | 2.825   | 34.477  | 20.572     | 0.116 | 297.468  | 1.67       | 0.116 | 275.478  | 1.254      | 0.116 | 0.168     | 0.0        | 0.116 | 0.158   | 0.0        |
| 8     | 17818       | 17819     | SN      | 1    | -34.789 | 24.367   | 0.649      | -34.922 | 25.548   | 1.781      | -0.903  | 31.827    | 7.941      | -2.05   | 29.514  | 4.993      | 0.116 | 291.914  | 7.274      | 0.116 | 301.0    | 6.131      | 0.116 | 0.221     | 0.0        | 0.116 | 0.255   | 0.0        |
| 9     | 17819       | 17820     | SN      | 2    | -34.68  | 24.449   | 0.384      | -34.594 | 24.825   | 0.553      | 5.444   | 28.858    | 9.688      | 5.826   | 29.732  | 6.843      | 0.116 | 284.774  | 4.638      | 0.116 | 279.117  | 3.936      | 0.116 | 0.138     | 0.0        | 0.116 | 0.136   | 0.0        |
| 10    | 17819       | 17820     | NS      | 1    | -34.982 | 26.202   | 0.37       | -34.577 | 27.706   | 0.445      | -2.314  | 29.274    | 7.355      | -10.598 | 30.256  | 14.574     | 0.116 | 305.216  | 4.039      | 0.116 | 278.092  | 3.674      | 0.116 | 0.265     | 0.0        | 0.116 | 1.203   | 0.002      |
| 11    | 17819       | 17820     | NS      | 1    | -34.198 | 26.202   | 0.371      | -34.577 | 27.707   | 0.444      | -2.314  | 29.274    | 7.354      | -10.598 | 30.258  | 14.573     | 0.116 | 254.787  | 4.028      | 0.116 | 278.092  | 3.67       | 0.116 | 0.265     | 0.0        | 0.116 | 1.203   | 0.002      |
| 12    | 17819       | 17820     | SN      | 1    | -34.68  | 24.449   | 0.384      | -34.594 | 24.825   | 0.553      | 5.444   | 28.858    | 9.688      | 5.826   | 29.732  | 6.843      | 0.116 | 284.774  | 4.638      | 0.116 | 279.117  | 3.936      | 0.116 | 0.138     | 0.0        | 0.116 | 0.136   | 0.0        |
| 13    | 17819       | 17820     | SN      | 1    | -34.68  | 24.449   | 0.378      | -34.594 | 24.825   | 0.545      | 5.444   | 28.858    | 9.688      | 5.826   | 29.732  | 6.843      | 0.116 | 284.774  | 4.561      | 0.116 | 279.117  | 3.878      | 0.116 | 0.138     | 0.0        | 0.116 | 0.136   | 0.0        |
| 14    | 17820       | 17821     | SN      | 1    | -32.798 | 22.803   | 0.016      | -32.965 | 23.024   | 0.01       | 5.127   | 27.161    | 11.767     | 5.757   | 26.505  | 9.154      | 0.116 | 184.594  | 0.891      | 0.116 | 191.888  | 0.85       | 0.116 | 0.14      | 0.0        | 0.116 | 0.136   | 0.0        |
| 15    | 17820       | 17821     | NS      | 1    | -34.96  | 25.352   | 0.324      | -33.672 | 26.694   | 0.428      | -4.121  | 29.157    | 6.874      | -4.774  | 29.61   | 12.667     | 0.116 | 303.716  | 3.277      | 0.116 | 225.803  | 3.025      | 0.116 | 0.347     | 0.0        | 0.116 | 0.387   | 0.0        |
| 16    | 17820       | 17821     | NS      | 1    | -34.925 | 25.349   | 0.324      | -33.947 | 26.694   | 0.427      | -4.122  | 29.157    | 6.87       | -4.772  | 29.611  | 12.67      | 0.116 | 301.251  | 3.277      | 0.116 | 240.503  | 3.016      | 0.116 | 0.347     | 0.0        | 0.116 | 0.387   | 0.0        |
| 17    | 17820       | 17821     | SN      | 1    | -32.798 | 22.803   | 0.016      | -32.965 | 23.024   | 0.01       | 5.127   | 27.161    | 11.739     | 5.757   | 27.959  | 9.178      | 0.116 | 184.594  | 0.874      | 0.116 | 191.888  | 0.836      | 0.116 | 0.14      | 0.0        | 0.116 | 0.136   | 0.0        |
| 18    | 17820       | 17821     | SN      | 1    | -32.798 | 22.803   | 0.016      | -32.965 | 23.024   | 0.01       | 5.127   | 27.161    | 11.739     | 5.757   | 27.958  | 9.195      | 0.116 | 184.594  | 0.876      | 0.116 | 191.888  | 0.837      | 0.116 | 0.14      | 0.0        | 0.116 | 0.136   | 0.0        |
| 19    | 17821       | 17822     | SN      | 1    | -34.894 | 20.651   | 0.0        | -34.96  | 20.871   | 0.0        | 6.515   | 27.381    | 14.79      | 7.308   | 27.967  | 17.866     | 0.116 | 314.522  | 4.726      | 0.116 | 303.737  | 3.574      | 0.116 | 0.133     | 0.0        | 0.116 | 0.13    | 0.0        |
| 20    | 17821       | 17822     | NS      | 1    | -34.951 | 23.642   | 0.084      | -34.996 | 23.686   | 0.13       | -29.368 | 28.213    | 4.965      | -32.337 | 32.368  | 10.661     | 0.116 | 303.056  | 2.547      | 0.116 | 306.176  | 2.595      | 0.116 | 83.864    | 0.06       | 0.116 | 166.012 | 0.026      |
| 21    | 17821       | 17822     | SN      | 1    | -34.702 | 20.651   | 0.0        | -34.762 | 20.871   | 0.0        | 6.515   | 27.381    | 14.901     | 7.308   | 27.967  | 18.508     | 0.116 | 300.937  | 4.867      | 0.116 | 290.244  | 3.659      | 0.116 | 0.133     | 0.0        | 0.116 | 0.13    | 0.0        |
| 22    | 17821       | 17822     | SN      | 1    | -34.702 | 20.651   | 0.0        | -34.762 | 20.871   | 0.0        | 6.515   | 27.381    | 14.79      | 7.308   | 27.967  | 17.868     | 0.116 | 300.937  | 4.728      | 0.116 | 290.244  | 3.577      | 0.116 | 0.133     | 0.0        | 0.116 | 0.13    | 0.0        |
| 23    | 17821       | 17822     | NS      | 1    | -34.538 | 23.642   | 0.084      | -34.77  | 23.69    | 0.129      | -29.368 | 28.213    | 4.965      | -32.323 | 32.368  | 10.659     | 0.116 | 275.617  | 2.549      | 0.116 | 290.748  | 2.587      | 0.116 | 83.864    | 0.06       | 0.116 | 165.504 | 0.026      |
| 24    | 17822       | 17823     | NS      | 2    | -34.222 | 24.209   | 0.272      | -34.662 | 24.607   | 0.408      | -9.132  | 30.134    | 7.694      | -5.589  | 29.833  | 12.613     | 0.116 | 256.313  | 2.831      | 0.116 | 283.519  | 1.94       | 0.116 | 0.886     | 0.0        | 0.116 | 0.446   | 0.0        |
| 25    | 17822       | 17823     | SN      | 1    | -34.835 | 21.126   | 0.0        | -34.56  | 22.132   | 0.001      | 5.06    | 27.221    | 14.802     | 7.975   | 28.137  | 21.797     | 0.116 | 295.092  | 2.387      | 0.116 | 276.992  | 1.938      | 0.116 | 0.14      | 0.0        | 0.116 | 0.128   | 0.0        |
| 26    | 17822       | 17823     | SN      | 1    | -34.835 | 21.126   | 0.0        | -34.56  | 22.132   | 0.001      | 5.06    | 27.221    | 15.414     | 7.975   | 28.137  | 22.187     | 0.116 | 295.092  | 2.469      | 0.116 | 276.992  | 2.02       | 0.116 | 0.14      | 0.0        | 0.116 | 0.128   | 0.0        |
| 27    | 17822       | 17823     | SN      | 1    | -34.321 | 21.126   | 0.0        | -34.462 | 22.13    | 0.001      | 5.06    | 27.221    | 14.944     | 7.972   | 28.137  | 21.796     | 0.116 | 262.191  | 2.384      | 0.116 | 270.826  | 1.935      | 0.116 | 0.14      | 0.0        | 0.116 | 0.128   | 0.0        |
| 28    | 17822       | 17823     | NS      | 1    | -34.222 | 24.209   | 0.272      | -34.662 | 24.607   | 0.408      | -9.132  | 30.134    | 7.694      | -5.589  | 29.833  | 12.613     | 0.116 | 256.313  | 2.831      | 0.116 | 283.519  | 1.94       | 0.116 | 0.886     | 0.0        | 0.116 | 0.446   | 0.0        |
| 29    | 17823       | 17824     | SN      | 1    | -34.21  | 24.076   | 0.119      | -34.575 | 24.426   | 0.158      | 4.982   | 29.019    | 10.199     | 8.438   | 28.609  | 16.896     | 0.116 | 255.529  | 2.562      | 0.116 | 277.97   | 1.935      | 0.116 | 0.141     | 0.0        | 0.116 | 0.127   | 0.0        |
| 30    | 17823       | 17824     | SN      | 1    | -34.317 | 24.075   | 0.123      | -33.966 | 24.427   | 0.159      | 4.982   | 29.024    | 10.214     | 8.438   | 28.607  | 16.887     | 0.116 | 261.894  | 2.647      | 0.116 | 241.559  | 2.004      | 0.116 | 0.141     | 0.0        | 0.116 | 0.127   | 0.0        |
| 31    | 17823       | 17824     | NS      | 2    | -34.682 | 25.459   | 0.676      | -34.784 | 25.772   | 1.131      | -8.137  | 28.665    | 7.768      | -7.78   | 30.029  | 14.159     | 0.116 | 284.873  | 5.317      | 0.116 | 291.694  | 5.111      | 0.116 | 0.724     | 0.0        | 0.116 | 0.674   | 0.0        |
| 32    | 17823       | 17824     | NS      | 1    | -34.682 | 25.459   | 0.676      | -34.784 | 25.772   | 1.131      | -8.137  | 28.665    | 7.768      | -7.78   | 30.029  | 14.159     | 0.116 | 284.873  | 5.317      | 0.116 | 291.694  | 5.111      | 0.116 | 0.724     | 0.0        | 0.116 | 0.674   | 0.0        |
| 33    | 17823       | 17824     | SN      | 1    | -34.317 | 24.075   | 0.119      | -33.966 | 24.427   | 0.154      | 4.982   | 29.024    | 10.198     | 8.438   | 28.607  | 16.906     | 0.116 | 261.894  | 2.569      | 0.116 | 241.559  | 1.937      | 0.116 | 0.141     | 0.0        | 0.116 | 0.127   | 0.0        |

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

- Normal
- Deviations
- Alarming
- High Errors

|    |       |       |    |   |         |        |       |         |        |       |         |        |        |         |        |        |       |         |       |       |         |       |       |        |       |       |        |       |
|----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 34 | 17824 | 17825 | SN | 2 | -33.689 | 25.585 | 0.32  | -33.938 | 26.162 | 0.59  | 1.946   | 35.136 | 10.69  | 3.323   | 32.557 | 12.692 | 0.116 | 226.63  | 3.984 | 0.116 | 240.042 | 2.724 | 0.116 | 0.168  | 0.0   | 0.116 | 0.153  | 0.0   |
| 35 | 17824 | 17825 | SN | 1 | -33.689 | 25.585 | 0.347 | -33.938 | 26.162 | 0.687 | 1.946   | 35.136 | 11.326 | 3.323   | 32.557 | 12.695 | 0.116 | 226.63  | 4.233 | 0.116 | 240.042 | 3.087 | 0.116 | 0.168  | 0.0   | 0.116 | 0.153  | 0.0   |
| 36 | 17824 | 17825 | NS | 1 | -34.908 | 25.038 | 1.068 | -34.868 | 25.8   | 1.386 | 3.572   | 30.043 | 9.192  | 5.69    | 28.793 | 16.261 | 0.116 | 300.028 | 3.176 | 0.116 | 297.346 | 2.802 | 0.116 | 0.151  | 0.0   | 0.116 | 0.137  | 0.0   |
| 37 | 17824 | 17825 | NS | 1 | -34.908 | 25.038 | 1.068 | -34.868 | 25.8   | 1.385 | 3.572   | 30.045 | 9.154  | 5.69    | 28.793 | 16.223 | 0.116 | 300.028 | 3.174 | 0.116 | 297.346 | 2.804 | 0.116 | 0.151  | 0.0   | 0.116 | 0.137  | 0.0   |
| 38 | 17824 | 17825 | SN | 1 | -33.689 | 25.585 | 0.32  | -33.938 | 26.162 | 0.59  | 1.946   | 35.136 | 10.69  | 3.323   | 32.557 | 12.692 | 0.116 | 226.63  | 3.984 | 0.116 | 240.042 | 2.724 | 0.116 | 0.168  | 0.0   | 0.116 | 0.153  | 0.0   |
| 39 | 17825 | 17826 | NS | 1 | -32.58  | 24.608 | 0.04  | -34.414 | 23.174 | 0.053 | -2.586  | 28.847 | 14.355 | 1.026   | 30.42  | 28.36  | 0.116 | 175.603 | 2.439 | 0.116 | 267.89  | 2.52  | 0.116 | 0.275  | 0.0   | 0.116 | 0.181  | 0.0   |
| 40 | 17825 | 17826 | SN | 2 | -33.748 | 25.591 | 0.109 | -33.274 | 25.691 | 0.132 | -14.976 | 29.138 | 13.536 | -5.456  | 29.511 | 13.816 | 0.116 | 229.75  | 2.267 | 0.116 | 206.033 | 1.9   | 0.116 | 3.138  | 0.002 | 0.116 | 0.436  | 0.0   |
| 41 | 17825 | 17826 | SN | 1 | -33.748 | 25.591 | 0.109 | -33.274 | 25.691 | 0.132 | -14.976 | 29.138 | 13.536 | -5.456  | 29.511 | 13.816 | 0.116 | 229.75  | 2.267 | 0.116 | 206.033 | 1.9   | 0.116 | 3.138  | 0.002 | 0.116 | 0.436  | 0.0   |
| 42 | 17825 | 17826 | NS | 1 | -34.666 | 24.608 | 0.041 | -34.866 | 23.174 | 0.053 | -2.729  | 28.847 | 14.354 | 1.026   | 30.42  | 28.352 | 0.116 | 283.867 | 2.439 | 0.116 | 297.203 | 2.516 | 0.116 | 0.28   | 0.0   | 0.116 | 0.181  | 0.0   |
| 43 | 17826 | 17827 | SN | 1 | -34.883 | 26.773 | 0.22  | -34.529 | 27.557 | 0.359 | -4.458  | 30.318 | 15.459 | -9.604  | 29.598 | 16.638 | 0.116 | 298.325 | 5.968 | 0.116 | 275.041 | 3.775 | 0.116 | 0.367  | 0.0   | 0.116 | 0.976  | 0.0   |
| 44 | 17826 | 17827 | SN | 1 | -34.942 | 26.771 | 0.188 | -33.263 | 27.559 | 0.321 | -4.502  | 30.318 | 15.014 | -9.758  | 29.598 | 16.64  | 0.116 | 302.418 | 4.555 | 0.116 | 205.538 | 2.895 | 0.116 | 0.37   | 0.0   | 0.116 | 1.008  | 0.002 |
| 45 | 17826 | 17827 | NS | 1 | -33.458 | 29.104 | 0.079 | -34.94  | 25.834 | 0.06  | -9.047  | 30.164 | 13.069 | -11.24  | 29.18  | 25.003 | 0.116 | 214.936 | 4.388 | 0.116 | 302.326 | 4.339 | 0.116 | 0.87   | 0.0   | 0.116 | 1.38   | 0.002 |
| 46 | 17826 | 17827 | NS | 2 | -33.458 | 29.104 | 0.079 | -34.94  | 25.831 | 0.06  | -9.047  | 30.164 | 13.066 | -11.24  | 29.18  | 25.001 | 0.116 | 214.936 | 4.388 | 0.116 | 302.326 | 4.342 | 0.116 | 0.87   | 0.0   | 0.116 | 1.38   | 0.002 |
| 47 | 17827 | 17828 | SN | 1 | -34.912 | 27.319 | 0.244 | -34.854 | 27.319 | 0.49  | -13.442 | 29.387 | 15.947 | -24.269 | 30.128 | 17.706 | 0.116 | 300.416 | 4.143 | 0.116 | 296.352 | 3.218 | 0.116 | 2.23   | 0.01  | 0.116 | 25.982 | 0.004 |
| 48 | 17827 | 17828 | NS | 1 | -34.902 | 28.077 | 0.124 | -34.427 | 24.18  | 0.171 | 5.259   | 28.883 | 14.085 | 6.094   | 30.008 | 21.392 | 0.116 | 299.641 | 3.397 | 0.116 | 268.606 | 2.7   | 0.116 | 0.139  | 0.0   | 0.116 | 0.135  | 0.0   |
| 49 | 17828 | 17829 | SN | 1 | -34.493 | 26.244 | 0.441 | -33.758 | 26.89  | 1.32  | -18.87  | 29.837 | 12.356 | -14.449 | 30.071 | 12.452 | 0.116 | 272.717 | 2.867 | 0.116 | 230.338 | 2.219 | 0.116 | 7.558  | 0.006 | 0.116 | 2.789  | 0.008 |
| 50 | 17828 | 17829 | NS | 1 | -34.871 | 27.074 | 0.14  | -34.734 | 23.994 | 0.487 | 10.026  | 28.994 | 23.344 | 11.182  | 29.454 | 35.426 | 0.116 | 297.528 | 3.325 | 0.116 | 288.318 | 3.226 | 0.116 | 0.123  | 0.0   | 0.116 | 0.122  | 0.0   |
| 51 | 17828 | 17829 | SN | 1 | -34.369 | 26.244 | 0.442 | -34.727 | 26.89  | 1.329 | -18.851 | 29.837 | 12.357 | -14.489 | 30.071 | 12.45  | 0.116 | 265.071 | 2.857 | 0.116 | 287.856 | 2.234 | 0.116 | 7.529  | 0.006 | 0.116 | 2.814  | 0.006 |
| 52 | 17828 | 17829 | NS | 1 | -34.871 | 27.074 | 0.14  | -34.277 | 23.994 | 0.488 | 10.036  | 28.994 | 20.363 | 11.174  | 29.455 | 33.571 | 0.116 | 297.528 | 3.326 | 0.116 | 259.466 | 3.224 | 0.116 | 0.123  | 0.0   | 0.116 | 0.122  | 0.0   |
| 53 | 17828 | 17829 | NS | 1 | -34.871 | 27.074 | 0.14  | -34.277 | 23.994 | 0.488 | 10.026  | 28.994 | 23.351 | 11.182  | 29.454 | 35.422 | 0.116 | 297.528 | 3.332 | 0.116 | 259.466 | 3.225 | 0.116 | 0.123  | 0.0   | 0.116 | 0.122  | 0.0   |
| 54 | 17829 | 17830 | SN | 1 | -34.971 | 25.998 | 0.225 | -34.566 | 26.957 | 1.081 | -15.634 | 29.598 | 21.56  | -11.573 | 30.253 | 24.026 | 0.116 | 304.435 | 4.44  | 0.116 | 277.392 | 3.945 | 0.116 | 3.635  | 0.004 | 0.116 | 1.483  | 0.002 |
| 55 | 17829 | 17830 | NS | 1 | -34.914 | 26.389 | 0.669 | -34.866 | 26.203 | 0.897 | 11.244  | 28.528 | 22.906 | 12.228  | 29.468 | 33.406 | 0.116 | 300.455 | 2.509 | 0.116 | 297.238 | 2.003 | 0.116 | 0.121  | 0.0   | 0.116 | 0.12   | 0.0   |
| 56 | 17829 | 17830 | SN | 2 | -34.971 | 25.998 | 0.225 | -34.566 | 26.957 | 1.081 | -15.634 | 29.598 | 21.56  | -11.573 | 30.253 | 24.026 | 0.116 | 304.435 | 4.44  | 0.116 | 277.392 | 3.945 | 0.116 | 3.635  | 0.004 | 0.116 | 1.483  | 0.002 |
| 57 | 17829 | 17830 | NS | 1 | -34.914 | 26.389 | 0.668 | -34.866 | 26.203 | 0.896 | 11.244  | 28.528 | 22.88  | 12.228  | 29.468 | 33.41  | 0.116 | 300.455 | 2.507 | 0.116 | 297.238 | 2.002 | 0.116 | 0.121  | 0.0   | 0.116 | 0.12   | 0.0   |
| 58 | 17830 | 17831 | NS | 1 | -34.892 | 25.43  | 0.597 | -33.882 | 26.42  | 0.617 | 6.923   | 28.478 | 26.98  | 8.363   | 29.157 | 36.666 | 0.116 | 298.969 | 0.842 | 0.116 | 236.939 | 0.733 | 0.116 | 0.132  | 0.0   | 0.116 | 0.127  | 0.0   |
| 59 | 17830 | 17831 | NS | 1 | -34.728 | 25.43  | 0.595 | -30.824 | 26.422 | 0.617 | 6.925   | 28.478 | 26.979 | 8.363   | 29.155 | 36.617 | 0.116 | 287.936 | 0.839 | 0.116 | 117.226 | 0.73  | 0.116 | 0.132  | 0.0   | 0.116 | 0.127  | 0.0   |
| 60 | 17830 | 17831 | SN | 1 | -34.809 | 25.323 | 0.089 | -34.686 | 24.938 | 0.745 | 6.612   | 29.236 | 38.118 | 8.37    | 30.291 | 51.668 | 0.116 | 293.34  | 6.212 | 0.116 | 285.221 | 5.864 | 0.116 | 0.133  | 0.0   | 0.116 | 0.127  | 0.0   |
| 61 | 17830 | 17831 | SN | 2 | -34.886 | 25.323 | 0.089 | -34.931 | 24.938 | 0.745 | 6.612   | 29.236 | 38.121 | 8.37    | 30.291 | 51.668 | 0.116 | 298.607 | 6.212 | 0.116 | 301.719 | 5.865 | 0.116 | 0.133  | 0.0   | 0.116 | 0.127  | 0.0   |
| 62 | 17830 | 17831 | NS | 1 | -34.892 | 25.317 | 0.571 | -32.518 | 26.42  | 0.617 | 10.769  | 27.854 | 8.531  | 8.363   | 28.586 | 16.838 | 0.116 | 298.969 | 0.844 | 0.116 | 173.114 | 0.733 | 0.116 | 0.122  | 0.0   | 0.116 | 0.127  | 0.0   |
| 63 | 17831 | 17832 | SN | 1 | -33.845 | 22.973 | 0.016 | -33.981 | 23.541 | 0.027 | 6.829   | 28.943 | 11.177 | 10.008  | 29.545 | 14.738 | 0.116 | 234.914 | 1.766 | 0.116 | 242.439 | 1.888 | 0.116 | 0.132  | 0.0   | 0.116 | 0.123  | 0.0   |
| 64 | 17831 | 17832 | NS | 1 | -34.894 | 26.666 | 0.18  | -33.655 | 25.572 | 0.056 | 5.463   | 28.535 | 13.115 | 6.035   | 29.231 | 22.625 | 0.116 | 299.138 | 1.465 | 0.116 | 224.859 | 1.317 | 0.116 | 0.138  | 0.0   | 0.116 | 0.135  | 0.0   |
| 65 | 17831 | 17832 | NS | 1 | -34.686 | 26.666 | 0.179 | -34.328 | 25.572 | 0.056 | 5.464   | 28.535 | 13.117 | 6.035   | 29.231 | 22.596 | 0.116 | 285.211 | 1.459 | 0.116 | 262.588 | 1.316 | 0.116 | 0.138  | 0.0   | 0.116 | 0.135  | 0.0   |
| 66 | 17831 | 17832 | SN | 1 | -33.845 | 22.973 | 0.071 | -33.981 | 24.177 | 0.816 | 6.829   | 29.395 | 12.192 | 10.008  | 29.545 | 15.087 | 0.116 | 234.914 | 1.712 | 0.116 | 242.439 | 1.719 | 0.116 | 0.132  | 0.0   | 0.116 | 0.123  | 0.0   |
| 67 | 17831 | 17832 | SN | 1 | -33.845 | 22.973 | 0.071 | -33.981 | 24.178 | 0.816 | 6.829   | 29.39  | 12.192 | 10.008  | 29.545 | 15.087 | 0.116 | 234.914 | 1.715 | 0.116 | 242.439 | 1.721 | 0.116 | 0.132  | 0.0   | 0.116 | 0.123  | 0.0   |
| 68 | 17831 | 17832 | NS | 1 | -34.894 | 25.371 | 0.133 | -33.655 | 25.445 | 0.045 | 5.463   | 26.895 | 3.225  | 6.035   | 26.318 | 7.636  | 0.116 | 299.138 | 1.534 | 0.116 | 224.859 | 1.324 | 0.116 | 0.138  | 0.0   | 0.116 | 0.135  | 0.0   |
| 69 | 17832 | 17833 | SN | 1 | -34.906 | 24.348 | 1.124 | -34.629 | 25.308 | 3.068 | -20.73  | 31.471 | 8.534  | -12.756 | 29.497 | 11.974 | 0.116 | 321.217 | 5.585 | 0.116 | 281.426 | 4.282 | 0.116 | 11.552 | 0.004 | 0.116 | 1.918  | 0.002 |
| 70 | 17832 | 17833 | SN | 1 | -34.906 | 24.348 | 1.306 | -34.629 | 25.308 | 2.982 | -20.73  | 31.471 | 8.531  | -12.756 | 29.497 | 11.971 | 0.116 | 321.217 | 5.263 | 0.116 | 281.426 | 4.047 | 0.116 | 11.552 | 0.004 | 0.116 | 1.918  | 0.002 |
| 71 | 17832 | 17833 | NS | 1 | -34.304 | 26.992 | 0.334 | -33.01  | 27.395 | 0.28  | 8.897   | 30.97  | 11.713 | 7.147   | 34.248 | 25.683 | 0.116 | 261.12  | 1.886 | 0.116 | 193.846 | 1.95  | 0.116 | 0.126  | 0.0   | 0.116 | 0.131  | 0.0   |
| 72 | 17833 | 17834 | SN | 1 | -34.982 | 24.418 | 0.899 | -34.792 | 24.783 | 1.481 | 3.094   | 31.131 | 7.376  | 4.21    | 29.627 | 3.915  | 0.116 | 305.243 | 6.036 | 0.116 | 292.165 | 4.862 | 0.116 | 0.155  | 0.0   | 0.116 | 0.146  | 0.0   |

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

Normal

Deviations

Alarming

High Errors



|     |       |       |    |   |         |        |       |         |        |       |         |        |        |         |        |        |       |         |       |       |         |       |       |        |       |       |        |       |
|-----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 73  | 17833 | 17834 | SN | 2 | -34.982 | 24.418 | 0.899 | -34.792 | 24.783 | 1.481 | 3.094   | 31.131 | 7.372  | 4.21    | 29.627 | 3.916  | 0.116 | 305.243 | 6.036 | 0.116 | 292.165 | 4.862 | 0.116 | 0.155  | 0.0   | 0.116 | 0.146  | 0.0   |
| 74  | 17833 | 17834 | NS | 1 | -34.789 | 27.166 | 0.276 | -34.739 | 27.528 | 0.301 | -4.927  | 33.499 | 5.532  | -2.784  | 33.476 | 14.043 | 0.116 | 291.929 | 2.285 | 0.116 | 288.603 | 1.829 | 0.116 | 0.397  | 0.0   | 0.116 | 0.283  | 0.0   |
| 75  | 17833 | 17834 | NS | 2 | -34.789 | 27.166 | 0.276 | -34.739 | 27.528 | 0.301 | -4.927  | 33.499 | 5.532  | -2.784  | 33.476 | 14.043 | 0.116 | 291.929 | 2.285 | 0.116 | 288.603 | 1.829 | 0.116 | 0.397  | 0.0   | 0.116 | 0.283  | 0.0   |
| 76  | 17833 | 17834 | SN | 1 | -34.982 | 24.418 | 0.882 | -34.792 | 24.783 | 1.451 | 3.094   | 31.131 | 7.376  | 4.21    | 29.627 | 3.915  | 0.116 | 305.243 | 5.908 | 0.116 | 292.165 | 4.765 | 0.116 | 0.155  | 0.0   | 0.116 | 0.146  | 0.0   |
| 77  | 17834 | 17835 | NS | 1 | -34.75  | 26.742 | 0.393 | -33.666 | 26.779 | 0.507 | -27.179 | 28.731 | 7.691  | -10.301 | 30.074 | 14.111 | 0.116 | 289.41  | 3.771 | 0.116 | 225.453 | 3.989 | 0.116 | 50.696 | 0.002 | 0.116 | 1.13   | 0.002 |
| 78  | 17834 | 17835 | SN | 1 | -34.775 | 23.208 | 0.014 | -34.371 | 23.87  | 0.014 | 3.186   | 27.43  | 13.645 | 4.906   | 26.607 | 10.1   | 0.116 | 291.047 | 2.1   | 0.116 | 265.156 | 1.863 | 0.116 | 0.154  | 0.0   | 0.116 | 0.141  | 0.0   |
| 79  | 17834 | 17835 | SN | 2 | -34.775 | 23.208 | 0.014 | -34.371 | 23.87  | 0.014 | 3.186   | 27.43  | 13.645 | 4.906   | 26.607 | 10.091 | 0.116 | 291.047 | 2.063 | 0.116 | 265.156 | 1.834 | 0.116 | 0.154  | 0.0   | 0.116 | 0.141  | 0.0   |
| 80  | 17834 | 17835 | SN | 1 | -34.775 | 23.208 | 0.014 | -34.371 | 23.87  | 0.014 | 3.186   | 27.43  | 13.645 | 4.906   | 26.607 | 10.091 | 0.116 | 291.047 | 2.063 | 0.116 | 265.156 | 1.834 | 0.116 | 0.154  | 0.0   | 0.116 | 0.141  | 0.0   |
| 81  | 17834 | 17835 | NS | 1 | -34.727 | 26.742 | 0.391 | -34.45  | 26.779 | 0.506 | -27.179 | 28.733 | 7.689  | -10.301 | 30.074 | 14.108 | 0.116 | 287.811 | 3.759 | 0.116 | 270.032 | 4.004 | 0.116 | 50.696 | 0.002 | 0.116 | 1.13   | 0.002 |
| 82  | 17835 | 17836 | SN | 2 | -34.923 | 22.925 | 0.007 | -34.902 | 21.299 | 0.0   | 2.52    | 26.776 | 11.976 | 5.996   | 26.542 | 9.911  | 0.116 | 301.18  | 2.878 | 0.116 | 299.668 | 1.909 | 0.116 | 0.161  | 0.0   | 0.116 | 0.135  | 0.0   |
| 83  | 17835 | 17836 | SN | 1 | -34.923 | 22.925 | 0.007 | -34.902 | 21.301 | 0.0   | 2.52    | 26.776 | 11.99  | 5.996   | 25.769 | 10.013 | 0.116 | 301.18  | 2.948 | 0.116 | 299.668 | 1.947 | 0.116 | 0.161  | 0.0   | 0.116 | 0.135  | 0.0   |
| 84  | 17835 | 17836 | SN | 1 | -34.923 | 22.925 | 0.007 | -34.902 | 21.299 | 0.0   | 2.52    | 26.776 | 11.975 | 5.996   | 26.544 | 9.911  | 0.116 | 301.18  | 2.878 | 0.116 | 299.668 | 1.909 | 0.116 | 0.161  | 0.0   | 0.116 | 0.135  | 0.0   |
| 85  | 17835 | 17836 | NS | 1 | -34.965 | 25.224 | 0.217 | -34.668 | 25.623 | 0.279 | -14.026 | 29.737 | 5.653  | -20.825 | 29.97  | 11.004 | 0.116 | 304.089 | 5.84  | 0.116 | 284.007 | 6.347 | 0.116 | 2.539  | 0.003 | 0.116 | 11.808 | 0.003 |
| 86  | 17835 | 17836 | NS | 1 | -34.948 | 25.224 | 0.217 | -34.919 | 25.623 | 0.279 | -14.051 | 29.737 | 5.659  | -20.825 | 29.97  | 11.02  | 0.116 | 302.826 | 5.825 | 0.116 | 300.776 | 6.356 | 0.116 | 2.552  | 0.003 | 0.116 | 11.808 | 0.003 |
| 87  | 17836 | 17837 | SN | 1 | -33.952 | 20.382 | 0.0   | -34.696 | 21.262 | 0.0   | 5.235   | 27.257 | 13.281 | 7.294   | 27.62  | 19.197 | 0.116 | 240.762 | 2.878 | 0.116 | 285.734 | 2.135 | 0.116 | 0.139  | 0.0   | 0.116 | 0.13   | 0.0   |
| 88  | 17836 | 17837 | NS | 2 | -33.884 | 25.434 | 0.043 | -34.27  | 24.663 | 0.118 | -11.53  | 29.922 | 5.597  | -14.3   | 29.778 | 12.192 | 0.116 | 237.045 | 3.754 | 0.116 | 259.122 | 3.639 | 0.116 | 1.469  | 0.003 | 0.116 | 2.698  | 0.005 |
| 89  | 17836 | 17837 | SN | 1 | -33.952 | 20.382 | 0.0   | -34.696 | 21.262 | 0.0   | 5.235   | 27.257 | 13.281 | 7.294   | 27.62  | 19.197 | 0.116 | 240.762 | 2.873 | 0.116 | 285.734 | 2.132 | 0.116 | 0.139  | 0.0   | 0.116 | 0.13   | 0.0   |
| 90  | 17836 | 17837 | SN | 1 | -33.952 | 20.382 | 0.0   | -34.696 | 21.262 | 0.0   | 5.235   | 27.257 | 13.6   | 7.294   | 27.62  | 19.622 | 0.116 | 240.762 | 2.968 | 0.116 | 285.734 | 2.203 | 0.116 | 0.139  | 0.0   | 0.116 | 0.13   | 0.0   |
| 91  | 17836 | 17837 | NS | 1 | -33.884 | 25.433 | 0.043 | -34.27  | 24.663 | 0.118 | -11.53  | 29.922 | 5.597  | -14.302 | 29.778 | 12.195 | 0.116 | 237.045 | 3.754 | 0.116 | 259.122 | 3.64  | 0.116 | 1.469  | 0.003 | 0.116 | 2.699  | 0.005 |
| 92  | 17837 | 17838 | NS | 1 | -34.747 | 25.145 | 1.445 | -34.431 | 25.337 | 1.892 | -10.646 | 30.004 | 6.165  | -9.75   | 31.055 | 11.467 | 0.116 | 289.127 | 3.287 | 0.116 | 268.908 | 2.871 | 0.116 | 1.216  | 0.002 | 0.116 | 1.007  | 0.002 |
| 93  | 17837 | 17838 | NS | 2 | -34.747 | 25.145 | 1.445 | -34.431 | 25.337 | 1.891 | -10.646 | 30.004 | 6.165  | -9.75   | 31.055 | 11.467 | 0.116 | 289.127 | 3.287 | 0.116 | 268.908 | 2.869 | 0.116 | 1.216  | 0.002 | 0.116 | 1.007  | 0.002 |
| 94  | 17837 | 17838 | SN | 1 | -31.503 | 20.865 | 0.0   | -33.59  | 22.15  | 0.002 | 4.381   | 27.028 | 13.029 | 7.788   | 28.123 | 20.034 | 0.116 | 137.03  | 0.864 | 0.116 | 221.563 | 0.838 | 0.116 | 0.145  | 0.0   | 0.116 | 0.128  | 0.0   |
| 95  | 17837 | 17838 | SN | 1 | -31.503 | 20.865 | 0.0   | -34.099 | 22.15  | 0.002 | 4.381   | 27.028 | 13.037 | 7.788   | 28.123 | 20.036 | 0.116 | 137.03  | 0.865 | 0.116 | 249.112 | 0.838 | 0.116 | 0.145  | 0.0   | 0.116 | 0.128  | 0.0   |
| 96  | 17837 | 17838 | SN | 1 | -31.503 | 20.865 | 0.0   | -33.59  | 22.118 | 0.001 | 4.381   | 27.028 | 13.862 | 7.788   | 28.123 | 20.233 | 0.116 | 137.03  | 0.9   | 0.116 | 221.563 | 0.88  | 0.116 | 0.145  | 0.0   | 0.116 | 0.128  | 0.0   |
| 97  | 17838 | 17839 | SN | 1 | -34.987 | 25.591 | 0.58  | -33.912 | 26.356 | 0.728 | 5.277   | 31.66  | 8.928  | 6.157   | 32.215 | 11.424 | 0.116 | 305.556 | 2.637 | 0.116 | 238.584 | 1.714 | 0.116 | 0.139  | 0.0   | 0.116 | 0.135  | 0.0   |
| 98  | 17838 | 17839 | SN | 1 | -34.987 | 25.591 | 0.622 | -33.912 | 26.356 | 0.815 | 5.277   | 31.66  | 9.329  | 6.157   | 32.215 | 11.385 | 0.116 | 305.556 | 2.83  | 0.116 | 238.584 | 1.924 | 0.116 | 0.139  | 0.0   | 0.116 | 0.135  | 0.0   |
| 99  | 17838 | 17839 | NS | 1 | -34.691 | 24.728 | 0.899 | -34.75  | 25.962 | 1.304 | 2.492   | 26.81  | 6.433  | 4.411   | 28.38  | 16.611 | 0.116 | 285.504 | 3.101 | 0.116 | 289.34  | 3.009 | 0.116 | 0.162  | 0.0   | 0.116 | 0.144  | 0.0   |
| 100 | 17838 | 17839 | NS | 2 | -34.691 | 24.728 | 0.899 | -34.75  | 25.962 | 1.304 | 2.492   | 26.81  | 6.433  | 4.411   | 28.38  | 16.611 | 0.116 | 285.504 | 3.101 | 0.116 | 289.34  | 3.009 | 0.116 | 0.162  | 0.0   | 0.116 | 0.144  | 0.0   |
| 101 | 17839 | 17840 | SN | 1 | -32.971 | 25.888 | 1.038 | -34.47  | 26.9   | 1.094 | -7.374  | 30.634 | 11.313 | -3.264  | 31.763 | 13.229 | 0.116 | 192.123 | 1.376 | 0.116 | 271.337 | 0.972 | 0.116 | 0.623  | 0.0   | 0.116 | 0.304  | 0.0   |
| 102 | 17839 | 17840 | NS | 1 | -34.959 | 25.646 | 0.004 | -34.595 | 22.404 | 0.003 | 1.758   | 30.015 | 11.365 | 1.308   | 29.823 | 19.365 | 0.116 | 303.634 | 2.773 | 0.116 | 279.198 | 2.359 | 0.116 | 0.17   | 0.0   | 0.116 | 0.177  | 0.0   |
| 103 | 17839 | 17840 | SN | 1 | -32.971 | 25.888 | 1.146 | -34.47  | 26.9   | 1.282 | -7.371  | 30.634 | 12.076 | -3.264  | 31.763 | 13.271 | 0.116 | 192.123 | 1.518 | 0.116 | 271.337 | 1.141 | 0.116 | 0.622  | 0.0   | 0.116 | 0.304  | 0.0   |
| 104 | 17839 | 17840 | NS | 1 | -34.628 | 25.645 | 0.004 | -34.784 | 22.404 | 0.003 | 1.758   | 30.015 | 11.366 | 1.314   | 29.823 | 19.366 | 0.116 | 281.302 | 2.746 | 0.116 | 291.685 | 2.365 | 0.116 | 0.17   | 0.0   | 0.116 | 0.177  | 0.0   |
| 105 | 17840 | 17841 | SN | 2 | -32.929 | 25.209 | 0.061 | -34.957 | 26.836 | 0.163 | -13.456 | 28.496 | 15.844 | -14.617 | 29.857 | 16.676 | 0.116 | 190.309 | 2.334 | 0.116 | 303.486 | 1.811 | 0.116 | 2.238  | 0.007 | 0.116 | 2.896  | 0.002 |
| 106 | 17840 | 17841 | NS | 1 | -34.636 | 28.949 | 0.079 | -33.529 | 27.716 | 0.12  | -2.928  | 29.234 | 21.811 | -12.629 | 29.775 | 36.126 | 0.116 | 281.879 | 2.599 | 0.116 | 218.502 | 1.975 | 0.116 | 0.289  | 0.0   | 0.116 | 1.866  | 0.003 |
| 107 | 17840 | 17841 | NS | 1 | -34.813 | 28.949 | 0.079 | -34.232 | 27.716 | 0.12  | -2.928  | 29.234 | 21.801 | -12.629 | 29.775 | 36.11  | 0.116 | 293.572 | 2.602 | 0.116 | 256.846 | 1.974 | 0.116 | 0.289  | 0.0   | 0.116 | 1.866  | 0.003 |
| 108 | 17840 | 17841 | SN | 1 | -32.929 | 25.209 | 0.061 | -34.957 | 26.836 | 0.163 | -13.456 | 28.496 | 15.844 | -14.617 | 29.857 | 16.676 | 0.116 | 190.309 | 2.334 | 0.116 | 303.486 | 1.811 | 0.116 | 2.238  | 0.007 | 0.116 | 2.896  | 0.002 |
| 109 | 17841 | 17842 | SN | 1 | -34.575 | 26.646 | 0.162 | -33.997 | 27.905 | 0.327 | -23.137 | 29.17  | 15.977 | -25.273 | 29.628 | 19.398 | 0.116 | 277.91  | 2.571 | 0.116 | 243.258 | 2.456 | 0.116 | 20.041 | 0.041 | 0.116 | 32.719 | 0.026 |
| 110 | 17841 | 17842 | NS | 1 | -34.332 | 28.106 | 0.061 | -34.9   | 25.3   | 0.034 | -27.103 | 32.159 | 12.071 | -17.932 | 32.838 | 21.501 | 0.116 | 262.819 | 5.331 | 0.116 | 299.53  | 4.391 | 0.116 | 49.821 | 0.03  | 0.116 | 6.108  | 0.013 |
| 111 | 17841 | 17842 | NS | 1 | -34.79  | 28.106 | 0.061 | -34.962 | 25.3   | 0.035 | -25.893 | 32.156 | 12.075 | -17.869 | 32.838 | 21.616 | 0.116 | 292.008 | 5.319 | 0.116 | 303.799 | 4.392 | 0.116 | 37.732 | 0.03  | 0.116 | 6.022  | 0.013 |

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

- Normal
- Deviations
- Alarming
- High Errors

|     |       |       |    |   |         |        |       |         |        |       |        |        |        |         |        |        |       |         |       |       |         |       |       |         |       |       |        |       |
|-----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|--------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|
| 112 | 17842 | 17843 | SN | 1 | -34.971 | 26.531 | 0.346 | -34.919 | 27.228 | 0.903 | -31.07 | 29.158 | 12.923 | -25.251 | 29.882 | 12.211 | 0.116 | 304.432 | 5.203 | 0.116 | 300.774 | 3.982 | 0.116 | 124.038 | 0.106 | 0.116 | 32.562 | 0.095 |
| 113 | 17842 | 17843 | NS | 1 | -34.544 | 26.746 | 0.158 | -34.406 | 27.238 | 0.456 | 3.317  | 28.6   | 18.006 | 3.517   | 29.576 | 26.249 | 0.116 | 275.945 | 2.814 | 0.116 | 267.354 | 2.878 | 0.116 | 0.153   | 0.0   | 0.116 | 0.151  | 0.0   |
| 114 | 17842 | 17843 | NS | 1 | -34.544 | 26.746 | 0.158 | -34.406 | 27.238 | 0.456 | 3.317  | 28.6   | 17.268 | 3.517   | 29.576 | 25.483 | 0.116 | 275.945 | 2.814 | 0.116 | 267.354 | 2.878 | 0.116 | 0.153   | 0.0   | 0.116 | 0.151  | 0.0   |
| 115 | 17843 | 17844 | NS | 1 | -34.454 | 24.69  | 0.279 | -34.275 | 24.581 | 0.587 | 11.013 | 28.648 | 18.479 | 12.448  | 28.573 | 36.197 | 0.116 | 270.312 | 2.2   | 0.116 | 259.42  | 2.024 | 0.116 | 0.122   | 0.0   | 0.116 | 0.12   | 0.0   |
| 116 | 17843 | 17844 | SN | 1 | -32.765 | 25.207 | 0.294 | -33.099 | 27.504 | 1.387 | -6.981 | 29.54  | 14.543 | -4.498  | 31.049 | 16.031 | 0.116 | 183.277 | 1.177 | 0.116 | 197.906 | 1.133 | 0.116 | 0.577   | 0.0   | 0.116 | 0.369  | 0.0   |
| 117 | 17843 | 17844 | NS | 1 | -34.454 | 24.692 | 0.279 | -34.275 | 24.579 | 0.587 | 11.012 | 28.648 | 24.822 | 12.449  | 28.578 | 37.032 | 0.116 | 270.312 | 2.201 | 0.116 | 259.42  | 2.023 | 0.116 | 0.122   | 0.0   | 0.116 | 0.12   | 0.0   |
| 118 | 17844 | 17845 | SN | 1 | -34.377 | 25.159 | 0.115 | -34.988 | 25.761 | 0.791 | -3.35  | 29.438 | 33.184 | -1.33   | 29.944 | 41.438 | 0.116 | 265.598 | 4.406 | 0.116 | 305.646 | 3.381 | 0.116 | 0.308   | 0.0   | 0.116 | 0.233  | 0.0   |
| 119 | 17844 | 17845 | NS | 1 | -34.656 | 26.502 | 0.495 | -33.423 | 26.793 | 0.596 | 7.106  | 28.352 | 25.091 | 8.23    | 29.63  | 34.605 | 0.116 | 283.172 | 1.187 | 0.116 | 213.204 | 0.982 | 0.116 | 0.131   | 0.0   | 0.116 | 0.127  | 0.0   |
| 120 | 17844 | 17845 | NS | 1 | -34.656 | 26.502 | 0.495 | -34.321 | 26.793 | 0.596 | 7.2    | 28.352 | 11.205 | 8.184   | 29.56  | 25.942 | 0.116 | 283.172 | 1.191 | 0.116 | 262.163 | 0.982 | 0.116 | 0.13    | 0.0   | 0.116 | 0.127  | 0.0   |
| 121 | 17845 | 17846 | NS | 1 | -34.442 | 27.523 | 0.117 | -34.56  | 25.469 | 0.068 | 6.379  | 32.011 | 2.403  | 6.592   | 29.039 | 2.621  | 0.116 | 269.53  | 1.392 | 0.116 | 276.981 | 1.336 | 0.116 | 0.134   | 0.0   | 0.116 | 0.133  | 0.0   |
| 122 | 17845 | 17846 | SN | 1 | -34.98  | 23.406 | 0.03  | -34.184 | 24.008 | 0.685 | 7.539  | 29.192 | 28.757 | 9.239   | 29.99  | 35.735 | 0.116 | 305.16  | 2.474 | 0.116 | 254.024 | 2.006 | 0.116 | 0.129   | 0.0   | 0.116 | 0.125  | 0.0   |
| 123 | 17845 | 17846 | NS | 1 | -32.646 | 27.523 | 0.151 | -34.56  | 25.441 | 0.068 | 6.379  | 32.011 | 16.767 | 6.592   | 29.076 | 25.833 | 0.116 | 178.306 | 1.372 | 0.116 | 276.981 | 1.336 | 0.116 | 0.134   | 0.0   | 0.116 | 0.133  | 0.0   |
| 124 | 17846 | 17847 | NS | 1 | -33.236 | 24.649 | 0.206 | -33.912 | 25.113 | 0.101 | 6.017  | 29.661 | 10.96  | 6.888   | 29.124 | 20.925 | 0.116 | 204.183 | 0.77  | 0.116 | 238.581 | 0.744 | 0.116 | 0.135   | 0.0   | 0.116 | 0.132  | 0.0   |
| 125 | 17846 | 17847 | NS | 1 | -32.264 | 23.03  | 0.151 | -33.912 | 22.897 | 0.001 | 6.017  | 29.661 | 2.914  | 6.888   | 28.374 | 7.195  | 0.116 | 163.298 | 0.685 | 0.116 | 238.581 | 0.57  | 0.116 | 0.135   | 0.0   | 0.116 | 0.132  | 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     | 17817       | 17818     | SN   | 1    | 57.544          | 58.204 | 0.0       | 0.0           | 294.462 | 3.317     | 1208.808 | 1264.888 | 2.536     | -92.8    | -91.68  | 0.0       |
| 2     | 17817       | 17818     | SN   | 1    | 57.544          | 58.204 | 0.0       | 0.0           | 294.462 | 4.107     | 1208.808 | 1264.888 | 2.439     | -92.8    | -91.68  | 0.0       |
| 3     | 17817       | 17818     | SN   | 1    | 57.546          | 58.204 | 0.0       | 0.0           | 294.462 | 4.102     | 1208.808 | 1264.888 | 2.436     | -92.771  | -91.68  | 0.0       |
| 4     | 17818       | 17819     | SN   | 1    | 57.521          | 58.23  | 0.0       | 0.003         | 296.906 | 3.512     | 1207.872 | 1264.808 | 2.638     | -92.796  | -91.668 | 0.0       |
| 5     | 17818       | 17819     | NS   | 1    | 57.563          | 58.189 | 0.0       | 0.0           | 285.92  | 3.696     | 1220.304 | 1264.504 | 0.0       | -92.837  | -91.762 | 0.0       |
| 6     | 17818       | 17819     | SN   | 2    | 57.521          | 58.23  | 0.0       | 0.0           | 296.906 | 3.922     | 1207.872 | 1264.808 | 2.593     | -92.796  | -91.668 | 0.0       |
| 7     | 17818       | 17819     | NS   | 1    | 57.563          | 58.179 | 0.0       | 0.0           | 285.92  | 3.7       | 1220.304 | 1264.504 | 0.0       | -92.823  | -91.762 | 0.0       |
| 8     | 17818       | 17819     | SN   | 1    | 57.521          | 58.23  | 0.0       | 0.0           | 296.906 | 3.922     | 1207.872 | 1264.808 | 2.593     | -92.796  | -91.668 | 0.0       |
| 9     | 17819       | 17820     | SN   | 2    | 57.509          | 58.208 | 0.0       | 0.0           | 294.176 | 3.363     | 1207.776 | 1264.984 | 3.279     | -92.806  | -91.699 | 0.0       |
| 10    | 17819       | 17820     | NS   | 1    | 57.564          | 58.188 | 0.0       | 0.0           | 290.232 | 3.736     | 1219.8   | 1264.688 | 0.0       | -92.804  | -91.726 | 0.0       |
| 11    | 17819       | 17820     | NS   | 1    | 57.564          | 58.188 | 0.0       | 0.0           | 290.232 | 3.733     | 1219.8   | 1264.688 | 0.0       | -92.855  | -91.726 | 0.0       |
| 12    | 17819       | 17820     | SN   | 1    | 57.508          | 58.208 | 0.0       | 0.003         | 294.154 | 3.363     | 1207.776 | 1264.96  | 3.281     | -92.823  | -91.699 | 0.0       |
| 13    | 17819       | 17820     | SN   | 1    | 57.508          | 58.208 | 0.0       | 0.003         | 294.165 | 3.765     | 1207.776 | 1264.96  | 3.242     | -92.823  | -91.699 | 0.0       |
| 14    | 17820       | 17821     | SN   | 1    | 57.528          | 58.217 | 0.0       | 0.0           | 283.67  | 3.354     | 1208.304 | 1264.848 | 3.668     | -92.795  | -91.698 | 0.0       |
| 15    | 17820       | 17821     | NS   | 1    | 57.551          | 58.191 | 0.0       | 0.0           | 294.953 | 3.799     | 1220.352 | 1264.584 | 0.0       | -92.851  | -91.778 | 0.0       |
| 16    | 17820       | 17821     | NS   | 1    | 57.551          | 58.194 | 0.0       | 0.0           | 294.953 | 3.832     | 1220.312 | 1264.584 | 0.0       | -93.045  | -91.778 | 0.0       |
| 17    | 17820       | 17821     | SN   | 1    | 57.511          | 58.217 | 0.0       | 0.0           | 293.166 | 3.774     | 1208.304 | 1264.848 | 3.611     | -92.795  | -91.698 | 0.0       |
| 18    | 17820       | 17821     | SN   | 1    | 57.511          | 58.217 | 0.0       | 0.0           | 293.166 | 3.777     | 1208.304 | 1264.848 | 3.615     | -92.795  | -91.698 | 0.0       |
| 19    | 17821       | 17822     | SN   | 1    | 57.507          | 58.232 | 0.0       | 0.0           | 290.15  | 3.783     | 1208.24  | 1264.656 | 3.526     | -92.826  | -91.699 | 0.0       |
| 20    | 17821       | 17822     | NS   | 1    | 57.555          | 58.198 | 0.0       | 0.0           | 291.628 | 3.746     | 1220.688 | 1264.408 | 0.0       | -92.85   | -91.76  | 0.0       |
| 21    | 17821       | 17822     | SN   | 1    | 57.513          | 58.233 | 0.0       | 0.003         | 281.85  | 3.319     | 1208.24  | 1264.672 | 3.615     | -92.826  | -91.699 | 0.0       |
| 22    | 17821       | 17822     | SN   | 1    | 57.54           | 58.233 | 0.0       | 0.003         | 290.15  | 3.785     | 1208.24  | 1264.672 | 3.534     | -92.826  | -91.699 | 0.0       |
| 23    | 17821       | 17822     | NS   | 1    | 57.557          | 58.192 | 0.0       | 0.0           | 291.628 | 3.787     | 1220.264 | 1264.408 | 0.0       | -92.854  | -91.76  | 0.0       |
| 24    | 17822       | 17823     | NS   | 2    | 57.56           | 58.183 | 0.0       | 0.0           | 296.729 | 3.877     | 1220.584 | 1264.28  | 0.0       | -93.088  | -91.766 | 0.0       |
| 25    | 17822       | 17823     | SN   | 1    | 57.539          | 58.229 | 0.0       | 0.0           | 296.007 | 3.755     | 1208.424 | 1264.544 | 3.337     | -92.836  | -91.7   | 0.0       |
| 26    | 17822       | 17823     | SN   | 1    | 57.539          | 58.229 | 0.0       | 0.003         | 296.007 | 3.151     | 1208.424 | 1264.544 | 3.46      | -92.836  | -91.7   | 0.0       |
| 27    | 17822       | 17823     | SN   | 1    | 57.53           | 58.222 | 0.0       | 0.0           | 296.1   | 3.766     | 1208.424 | 1264.512 | 3.331     | -92.842  | -91.7   | 0.0       |
| 28    | 17822       | 17823     | NS   | 1    | 57.56           | 58.183 | 0.0       | 0.0           | 296.729 | 3.877     | 1220.584 | 1264.28  | 0.0       | -93.088  | -91.766 | 0.0       |
| 29    | 17823       | 17824     | SN   | 1    | 57.522          | 58.216 | 0.0       | 0.0           | 297.562 | 3.915     | 1208.648 | 1264.4   | 2.885     | -93.065  | -91.695 | 0.0       |
| 30    | 17823       | 17824     | SN   | 1    | 57.524          | 58.233 | 0.0       | 0.0           | 288.506 | 3.415     | 1208.656 | 1264.44  | 2.945     | -92.818  | -91.695 | 0.0       |
| 31    | 17823       | 17824     | NS   | 2    | 57.539          | 58.17  | 0.0       | 0.0           | 299.911 | 3.781     | 1220.368 | 1264.168 | 0.0       | -92.925  | -91.78  | 0.0       |
| 32    | 17823       | 17824     | NS   | 1    | 57.539          | 58.17  | 0.0       | 0.0           | 299.911 | 3.781     | 1220.368 | 1264.168 | 0.0       | -92.925  | -91.78  | 0.0       |
| 33    | 17823       | 17824     | SN   | 1    | 57.524          | 58.233 | 0.0       | 0.0           | 297.562 | 3.906     | 1208.656 | 1264.44  | 2.876     | -93.065  | -91.695 | 0.0       |
| 34    | 17824       | 17825     | SN   | 2    | 57.527          | 58.202 | 0.0       | 0.0           | 294.021 | 3.973     | 1208.264 | 1264.6   | 2.184     | -92.847  | -91.69  | 0.0       |

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

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

|    |       |       |    |   |        |        |     |     |         |       |          |          |       |         |         |     |
|----|-------|-------|----|---|--------|--------|-----|-----|---------|-------|----------|----------|-------|---------|---------|-----|
| 35 | 17824 | 17825 | SN | 1 | 57.527 | 58.202 | 0.0 | 0.0 | 283.548 | 2.697 | 1208.264 | 1264.6   | 2.359 | -92.847 | -91.69  | 0.0 |
| 36 | 17824 | 17825 | NS | 1 | 57.533 | 58.212 | 0.0 | 0.0 | 289.306 | 3.846 | 1220.056 | 1264.336 | 0.0   | -92.839 | -91.779 | 0.0 |
| 37 | 17824 | 17825 | NS | 1 | 57.533 | 58.185 | 0.0 | 0.0 | 289.306 | 3.842 | 1220.056 | 1264.336 | 0.0   | -92.865 | -91.779 | 0.0 |
| 38 | 17824 | 17825 | SN | 1 | 57.527 | 58.202 | 0.0 | 0.0 | 294.038 | 3.973 | 1208.264 | 1264.6   | 2.184 | -92.847 | -91.69  | 0.0 |
| 39 | 17825 | 17826 | NS | 1 | 57.556 | 58.466 | 0.0 | 0.0 | 296.63  | 3.879 | 1220.416 | 1274.576 | 0.0   | -95.44  | -91.752 | 0.0 |
| 40 | 17825 | 17826 | SN | 2 | 57.539 | 58.202 | 0.0 | 0.0 | 291.22  | 3.842 | 1208.928 | 1264.648 | 1.954 | -92.813 | -91.655 | 0.0 |
| 41 | 17825 | 17826 | SN | 1 | 57.539 | 58.202 | 0.0 | 0.0 | 291.22  | 3.842 | 1208.928 | 1264.648 | 1.954 | -92.813 | -91.655 | 0.0 |
| 42 | 17825 | 17826 | NS | 1 | 57.564 | 58.467 | 0.0 | 0.0 | 296.624 | 3.876 | 1220.432 | 1274.6   | 0.0   | -95.441 | -91.752 | 0.0 |
| 43 | 17826 | 17827 | SN | 1 | 57.285 | 58.202 | 0.0 | 0.0 | 289.692 | 7.124 | 1208.2   | 1265.04  | 2.502 | -95.164 | -91.704 | 0.0 |
| 44 | 17826 | 17827 | SN | 1 | 57.285 | 58.207 | 0.0 | 0.0 | 289.692 | 6.12  | 1208.288 | 1265.008 | 2.102 | -95.164 | -91.704 | 0.0 |
| 45 | 17826 | 17827 | NS | 1 | 57.567 | 58.163 | 0.0 | 0.0 | 295.714 | 3.971 | 1219.928 | 1264.936 | 0.0   | -93.848 | -91.753 | 0.0 |
| 46 | 17826 | 17827 | NS | 2 | 57.566 | 58.176 | 0.0 | 0.0 | 295.714 | 3.973 | 1219.912 | 1264.912 | 0.0   | -93.848 | -91.753 | 0.0 |
| 47 | 17827 | 17828 | SN | 1 | 57.506 | 58.234 | 0.0 | 0.0 | 297.931 | 3.918 | 1208.904 | 1264.416 | 2.245 | -93.005 | -91.671 | 0.0 |
| 48 | 17827 | 17828 | NS | 1 | 57.566 | 58.183 | 0.0 | 0.0 | 291.44  | 3.8   | 1219.84  | 1264.816 | 0.0   | -93.341 | -91.779 | 0.0 |
| 49 | 17828 | 17829 | SN | 1 | 57.518 | 58.234 | 0.0 | 0.0 | 299.498 | 3.908 | 1208.888 | 1264.496 | 2.279 | -92.791 | -91.678 | 0.0 |
| 50 | 17828 | 17829 | NS | 1 | 57.535 | 58.187 | 0.0 | 0.0 | 296.365 | 3.838 | 1219.704 | 1264.6   | 0.0   | -92.862 | -91.778 | 0.0 |
| 51 | 17828 | 17829 | SN | 1 | 57.529 | 58.234 | 0.0 | 0.0 | 299.498 | 3.913 | 1208.888 | 1264.496 | 2.282 | -92.829 | -91.678 | 0.0 |
| 52 | 17828 | 17829 | NS | 1 | 57.533 | 58.189 | 0.0 | 0.0 | 296.426 | 3.357 | 1219.672 | 1264.536 | 0.0   | -92.862 | -91.777 | 0.0 |
| 53 | 17828 | 17829 | NS | 1 | 57.533 | 58.189 | 0.0 | 0.0 | 296.426 | 3.844 | 1219.672 | 1264.808 | 0.0   | -92.862 | -91.777 | 0.0 |
| 54 | 17829 | 17830 | SN | 1 | 57.53  | 58.228 | 0.0 | 0.0 | 295.819 | 3.839 | 1208.36  | 1264.48  | 2.09  | -92.736 | -91.699 | 0.0 |
| 55 | 17829 | 17830 | NS | 1 | 57.564 | 58.174 | 0.0 | 0.0 | 296.724 | 3.742 | 1219.464 | 1264.216 | 0.0   | -92.858 | -91.777 | 0.0 |
| 56 | 17829 | 17830 | SN | 2 | 57.53  | 58.228 | 0.0 | 0.0 | 295.819 | 3.839 | 1208.36  | 1264.48  | 2.09  | -92.736 | -91.699 | 0.0 |
| 57 | 17829 | 17830 | NS | 1 | 57.564 | 58.187 | 0.0 | 0.0 | 296.724 | 3.738 | 1219.464 | 1264.216 | 0.0   | -92.863 | -91.777 | 0.0 |
| 58 | 17830 | 17831 | NS | 1 | 57.562 | 58.186 | 0.0 | 0.0 | 295.273 | 3.828 | 1220.104 | 1264.32  | 0.0   | -92.811 | -91.773 | 0.0 |
| 59 | 17830 | 17831 | NS | 1 | 57.562 | 58.156 | 0.0 | 0.0 | 295.273 | 3.839 | 1220.104 | 1264.32  | 0.0   | -92.811 | -91.773 | 0.0 |
| 60 | 17830 | 17831 | SN | 1 | 57.512 | 58.221 | 0.0 | 0.0 | 293.999 | 3.823 | 1208.952 | 1264.592 | 2.111 | -92.783 | -91.704 | 0.0 |
| 61 | 17830 | 17831 | SN | 2 | 57.512 | 58.221 | 0.0 | 0.0 | 294.016 | 3.823 | 1208.952 | 1264.6   | 2.11  | -92.783 | -91.703 | 0.0 |
| 62 | 17830 | 17831 | NS | 1 | 57.562 | 58.167 | 0.0 | 0.0 | 295.273 | 2.428 | 1220.104 | 1263.88  | 0.0   | -92.694 | -91.773 | 0.0 |
| 63 | 17831 | 17832 | SN | 1 | 57.522 | 58.232 | 0.0 | 0.0 | 297.578 | 2.929 | 1209.208 | 1264.624 | 1.488 | -92.801 | -91.707 | 0.0 |
| 64 | 17831 | 17832 | NS | 1 | 57.53  | 58.16  | 0.0 | 0.0 | 296.663 | 3.844 | 1219.424 | 1264.336 | 0.0   | -92.834 | -91.758 | 0.0 |
| 65 | 17831 | 17832 | NS | 1 | 57.525 | 58.18  | 0.0 | 0.0 | 296.663 | 3.856 | 1219.512 | 1264.336 | 0.0   | -92.912 | -91.758 | 0.0 |
| 66 | 17831 | 17832 | SN | 1 | 57.544 | 58.232 | 0.0 | 0.0 | 297.578 | 4.025 | 1209.208 | 1264.624 | 1.407 | -92.801 | -91.707 | 0.0 |
| 67 | 17831 | 17832 | SN | 1 | 57.522 | 58.232 | 0.0 | 0.0 | 297.578 | 4.029 | 1209.208 | 1264.624 | 1.408 | -92.801 | -91.707 | 0.0 |
| 68 | 17831 | 17832 | NS | 1 | 57.53  | 58.157 | 0.0 | 0.0 | 296.663 | 2.175 | 1219.424 | 1261.92  | 0.0   | -92.652 | -91.758 | 0.0 |
| 69 | 17832 | 17833 | SN | 1 | 57.515 | 58.237 | 0.0 | 0.0 | 294.97  | 3.641 | 1208.416 | 1264.384 | 1.584 | -92.77  | -91.656 | 0.0 |
| 70 | 17832 | 17833 | SN | 1 | 57.521 | 58.237 | 0.0 | 0.0 | 294.97  | 4.102 | 1208.416 | 1264.384 | 1.547 | -92.77  | -91.656 | 0.0 |
| 71 | 17832 | 17833 | NS | 1 | 57.563 | 58.186 | 0.0 | 0.0 | 292.797 | 4.063 | 1219.448 | 1264.112 | 0.0   | -92.839 | -91.758 | 0.0 |

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

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|  Normal   |  Deviations  |
|  Alarming |  High Errors |

|     |       |       |    |   |        |        |     |       |         |       |          |          |       |         |         |     |
|-----|-------|-------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|-------|---------|---------|-----|
| 72  | 17833 | 17834 | SN | 1 | 57.512 | 58.204 | 0.0 | 0.0   | 297.396 | 3.427 | 1208.424 | 1264.584 | 2.185 | -92.766 | -91.686 | 0.0 |
| 73  | 17833 | 17834 | SN | 2 | 57.512 | 58.204 | 0.0 | 0.0   | 297.341 | 3.426 | 1208.432 | 1264.592 | 2.174 | -92.802 | -91.686 | 0.0 |
| 74  | 17833 | 17834 | NS | 1 | 57.563 | 58.172 | 0.0 | 0.003 | 297.468 | 3.639 | 1219.712 | 1264.328 | 0.0   | -92.836 | -91.738 | 0.0 |
| 75  | 17833 | 17834 | NS | 2 | 57.563 | 58.172 | 0.0 | 0.003 | 297.468 | 3.639 | 1219.712 | 1264.328 | 0.0   | -92.836 | -91.738 | 0.0 |
| 76  | 17833 | 17834 | SN | 1 | 57.512 | 58.204 | 0.0 | 0.0   | 297.391 | 3.843 | 1208.424 | 1264.584 | 2.157 | -92.766 | -91.686 | 0.0 |
| 77  | 17834 | 17835 | NS | 1 | 57.565 | 58.18  | 0.0 | 0.0   | 288.247 | 3.685 | 1220.272 | 1264.384 | 0.0   | -92.834 | -91.741 | 0.0 |
| 78  | 17834 | 17835 | SN | 1 | 57.538 | 58.213 | 0.0 | 0.0   | 294.286 | 3.373 | 1208.76  | 1264.632 | 2.643 | -92.733 | -91.703 | 0.0 |
| 79  | 17834 | 17835 | SN | 2 | 57.538 | 58.213 | 0.0 | 0.0   | 294.286 | 3.793 | 1208.76  | 1264.632 | 2.606 | -92.733 | -91.703 | 0.0 |
| 80  | 17834 | 17835 | SN | 1 | 57.538 | 58.213 | 0.0 | 0.0   | 294.286 | 3.793 | 1208.76  | 1264.632 | 2.606 | -92.733 | -91.703 | 0.0 |
| 81  | 17834 | 17835 | NS | 1 | 57.565 | 58.177 | 0.0 | 0.0   | 288.247 | 3.681 | 1219.88  | 1264.384 | 0.0   | -92.763 | -91.741 | 0.0 |
| 82  | 17835 | 17836 | SN | 2 | 57.516 | 58.222 | 0.0 | 0.0   | 292.725 | 3.784 | 1208.168 | 1264.44  | 2.796 | -92.786 | -91.678 | 0.0 |
| 83  | 17835 | 17836 | SN | 1 | 57.516 | 58.222 | 0.0 | 0.0   | 282.826 | 3.34  | 1208.168 | 1264.44  | 2.849 | -92.786 | -91.678 | 0.0 |
| 84  | 17835 | 17836 | SN | 1 | 57.516 | 58.222 | 0.0 | 0.0   | 292.725 | 3.785 | 1208.16  | 1264.44  | 2.808 | -92.786 | -91.678 | 0.0 |
| 85  | 17835 | 17836 | NS | 1 | 57.564 | 58.188 | 0.0 | 0.0   | 292.94  | 3.731 | 1220.36  | 1264.296 | 0.0   | -92.904 | -91.754 | 0.0 |
| 86  | 17835 | 17836 | NS | 1 | 57.55  | 58.194 | 0.0 | 0.0   | 292.94  | 3.735 | 1219.904 | 1264.24  | 0.0   | -92.904 | -91.754 | 0.0 |
| 87  | 17836 | 17837 | SN | 1 | 57.526 | 58.224 | 0.0 | 0.0   | 290.729 | 3.775 | 1208.736 | 1264.328 | 2.604 | -92.84  | -91.702 | 0.0 |
| 88  | 17836 | 17837 | NS | 2 | 57.565 | 58.219 | 0.0 | 0.0   | 289.692 | 3.919 | 1220.664 | 1264.104 | 0.0   | -92.847 | -91.767 | 0.0 |
| 89  | 17836 | 17837 | SN | 1 | 57.535 | 58.224 | 0.0 | 0.0   | 290.729 | 3.771 | 1208.736 | 1264.328 | 2.626 | -92.84  | -91.702 | 0.0 |
| 90  | 17836 | 17837 | SN | 1 | 57.526 | 58.224 | 0.0 | 0.0   | 280.195 | 3.235 | 1208.736 | 1264.328 | 2.681 | -92.84  | -91.702 | 0.0 |
| 91  | 17836 | 17837 | NS | 1 | 57.565 | 58.219 | 0.0 | 0.0   | 289.692 | 3.92  | 1220.664 | 1264.104 | 0.0   | -92.847 | -91.767 | 0.0 |
| 92  | 17837 | 17838 | NS | 1 | 57.535 | 58.157 | 0.0 | 0.0   | 299.569 | 3.844 | 1220.488 | 1263.928 | 0.0   | -92.854 | -91.775 | 0.0 |
| 93  | 17837 | 17838 | NS | 2 | 57.535 | 58.157 | 0.0 | 0.0   | 299.569 | 3.844 | 1220.488 | 1263.928 | 0.0   | -92.854 | -91.775 | 0.0 |
| 94  | 17837 | 17838 | SN | 1 | 57.51  | 58.217 | 0.0 | 0.0   | 296.525 | 3.836 | 1208.832 | 1264.16  | 2.412 | -92.814 | -91.702 | 0.0 |
| 95  | 17837 | 17838 | SN | 1 | 57.526 | 58.216 | 0.0 | 0.0   | 296.448 | 3.833 | 1208.568 | 1264.12  | 2.408 | -92.813 | -91.702 | 0.0 |
| 96  | 17837 | 17838 | SN | 1 | 57.51  | 58.217 | 0.0 | 0.0   | 296.525 | 3.099 | 1208.832 | 1264.16  | 2.523 | -92.814 | -91.702 | 0.0 |
| 97  | 17838 | 17839 | SN | 1 | 57.543 | 58.356 | 0.0 | 0.0   | 297.584 | 3.956 | 1208.76  | 1271.312 | 1.141 | -94.456 | -91.681 | 0.0 |
| 98  | 17838 | 17839 | SN | 1 | 57.543 | 58.356 | 0.0 | 0.0   | 288.004 | 2.868 | 1208.76  | 1271.312 | 1.221 | -94.456 | -91.681 | 0.0 |
| 99  | 17838 | 17839 | NS | 1 | 57.531 | 58.356 | 0.0 | 0.0   | 299.36  | 3.79  | 1219.816 | 1271.336 | 0.0   | -94.455 | -91.776 | 0.0 |
| 100 | 17838 | 17839 | NS | 2 | 57.531 | 58.356 | 0.0 | 0.0   | 299.36  | 3.79  | 1219.816 | 1271.336 | 0.0   | -94.455 | -91.776 | 0.0 |
| 101 | 17839 | 17840 | SN | 1 | 57.542 | 58.201 | 0.0 | 0.0   | 293.1   | 3.887 | 1208.632 | 1264.336 | 1.057 | -92.777 | -91.676 | 0.0 |
| 102 | 17839 | 17840 | NS | 1 | 57.535 | 58.18  | 0.0 | 0.0   | 288.401 | 3.767 | 1220.256 | 1264.056 | 0.0   | -92.909 | -91.774 | 0.0 |
| 103 | 17839 | 17840 | SN | 1 | 57.542 | 58.201 | 0.0 | 0.0   | 284.177 | 2.45  | 1208.632 | 1264.336 | 1.153 | -92.777 | -91.676 | 0.0 |
| 104 | 17839 | 17840 | NS | 1 | 57.526 | 58.183 | 0.0 | 0.0   | 288.424 | 3.772 | 1220.2   | 1264.072 | 0.0   | -92.833 | -91.774 | 0.0 |
| 105 | 17840 | 17841 | SN | 2 | 57.528 | 58.219 | 0.0 | 0.0   | 290.889 | 3.793 | 1208.232 | 1265.08  | 1.108 | -92.772 | -91.67  | 0.0 |
| 106 | 17840 | 17841 | NS | 1 | 57.544 | 58.185 | 0.0 | 0.0   | 294.683 | 4.131 | 1220.32  | 1264.272 | 0.0   | -93.014 | -91.741 | 0.0 |
| 107 | 17840 | 17841 | NS | 1 | 57.539 | 58.182 | 0.0 | 0.0   | 294.683 | 4.127 | 1220.32  | 1264.424 | 0.0   | -92.829 | -91.741 | 0.0 |
| 108 | 17840 | 17841 | SN | 1 | 57.528 | 58.219 | 0.0 | 0.0   | 290.889 | 3.793 | 1208.232 | 1265.08  | 1.108 | -92.772 | -91.67  | 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 |

|     |       |       |    |   |        |        |     |       |         |       |          |          |       |         |         |     |
|-----|-------|-------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|-------|---------|---------|-----|
| 109 | 17841 | 17842 | SN | 1 | 57.516 | 58.226 | 0.0 | 0.003 | 289.648 | 3.841 | 1209.096 | 1264.12  | 1.384 | -92.816 | -91.704 | 0.0 |
| 110 | 17841 | 17842 | NS | 1 | 57.566 | 58.172 | 0.0 | 0.0   | 287.183 | 3.87  | 1219.584 | 1264.36  | 0.0   | -93.106 | -91.749 | 0.0 |
| 111 | 17841 | 17842 | NS | 1 | 57.557 | 58.172 | 0.0 | 0.0   | 287.183 | 3.874 | 1219.584 | 1263.968 | 0.0   | -92.86  | -91.749 | 0.0 |
| 112 | 17842 | 17843 | SN | 1 | 57.509 | 58.23  | 0.0 | 0.0   | 298.588 | 3.918 | 1209.176 | 1264.176 | 1.636 | -92.768 | -91.674 | 0.0 |
| 113 | 17842 | 17843 | NS | 1 | 57.534 | 58.203 | 0.0 | 0.0   | 289.857 | 3.793 | 1219.56  | 1264.352 | 0.0   | -92.875 | -91.778 | 0.0 |
| 114 | 17842 | 17843 | NS | 1 | 57.534 | 58.203 | 0.0 | 0.0   | 289.857 | 3.598 | 1219.56  | 1264.352 | 0.0   | -92.875 | -91.778 | 0.0 |
| 115 | 17843 | 17844 | NS | 1 | 57.546 | 58.188 | 0.0 | 0.0   | 294.771 | 3.154 | 1219.384 | 1263.6   | 0.0   | -92.923 | -91.776 | 0.0 |
| 116 | 17843 | 17844 | SN | 1 | 57.515 | 58.202 | 0.0 | 0.0   | 299.586 | 3.845 | 1208.616 | 1264.216 | 1.597 | -92.788 | -91.685 | 0.0 |
| 117 | 17843 | 17844 | NS | 1 | 57.546 | 58.188 | 0.0 | 0.0   | 299.365 | 3.712 | 1219.384 | 1263.904 | 0.0   | -92.923 | -91.776 | 0.0 |
| 118 | 17844 | 17845 | SN | 1 | 57.512 | 58.226 | 0.0 | 0.0   | 295.234 | 3.83  | 1208.848 | 1264.28  | 1.475 | -92.786 | -91.706 | 0.0 |
| 119 | 17844 | 17845 | NS | 1 | 57.529 | 58.153 | 0.0 | 0.0   | 296.326 | 3.895 | 1219.888 | 1263.96  | 0.0   | -92.837 | -91.773 | 0.0 |
| 120 | 17844 | 17845 | NS | 1 | 57.529 | 58.153 | 0.0 | 0.0   | 296.326 | 2.874 | 1219.888 | 1263.624 | 0.0   | -92.899 | -91.773 | 0.0 |
| 121 | 17845 | 17846 | NS | 1 | 57.56  | 58.172 | 0.0 | 0.003 | 295.731 | 2.113 | 1219.928 | 1262.808 | 0.0   | -92.728 | -91.774 | 0.0 |
| 122 | 17845 | 17846 | SN | 1 | 57.523 | 58.203 | 0.0 | 0.0   | 297.937 | 3.963 | 1209.328 | 1264.352 | 1.347 | -92.813 | -91.708 | 0.0 |
| 123 | 17845 | 17846 | NS | 1 | 57.56  | 58.172 | 0.0 | 0.0   | 295.731 | 3.787 | 1219.928 | 1264.032 | 0.0   | -92.706 | -91.774 | 0.0 |
| 124 | 17846 | 17847 | NS | 1 | 57.562 | 58.432 | 0.0 | 0.0   | 289.212 | 4.039 | 1219.344 | 1266.496 | 0.0   | -93.708 | -91.773 | 0.0 |
| 125 | 17846 | 17847 | NS | 1 | 57.562 | 58.172 | 0.0 | 0.0   | 289.212 | 2.415 | 1219.344 | 1259.64  | 0.0   | -92.728 | -91.773 | 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    | 17817       | 17818     | SN   | 1    | -34.809 | 17.822 | 0.0        | -33.424  | 18.226 | 0.0        | -29.803  | 21.785 | 0.0        | -9.081    | 23.035 | 0.011      | 0.086   | 224.179 | 1.776      | 0.086    | 162.988 | 1.424      | 0.086    | 70.834 | 0.003      | 0.086     | 0.665   | 0.0        |
| 2    | 17817       | 17818     | SN   | 1    | -34.809 | 17.822 | 0.0        | -33.424  | 18.226 | 0.0        | -29.803  | 21.785 | 0.0        | -9.081    | 23.035 | 0.011      | 0.086   | 224.179 | 1.708      | 0.086    | 162.988 | 1.282      | 0.086    | 70.834 | 0.003      | 0.086     | 0.665   | 0.0        |
| 3    | 17817       | 17818     | SN   | 1    | -34.8   | 17.822 | 0.0        | -33.214  | 18.226 | 0.0        | -30.585  | 21.785 | 0.0        | -9.108    | 23.035 | 0.011      | 0.086   | 223.666 | 1.71       | 0.086    | 155.301 | 1.288      | 0.086    | 84.81  | 0.003      | 0.086     | 0.669   | 0.0        |
| 4    | 17818       | 17819     | SN   | 1    | -34.97  | 17.727 | 0.0        | -34.718  | 18.16  | 0.0        | -4.013   | 21.893 | 0.0        | -4.003    | 21.965 | 0.0        | 0.086   | 238.596 | 5.963      | 0.086    | 219.486 | 5.067      | 0.086    | 0.257  | 0.0        | 0.086     | 0.256   | 0.0        |
| 5    | 17818       | 17819     | NS   | 1    | -34.26  | 20.08  | 0.0        | -34.495  | 20.08  | 0.0        | -5.236   | 23.357 | 0.012      | -4.446    | 24.485 | 0.037      | 0.086   | 197.536 | 1.657      | 0.086    | 208.543 | 1.646      | 0.086    | 0.316  | 0.0        | 0.086     | 0.276   | 0.0        |
| 6    | 17818       | 17819     | SN   | 2    | -34.97  | 17.727 | 0.0        | -34.718  | 18.16  | 0.0        | -4.013   | 21.893 | 0.0        | -4.003    | 21.965 | 0.0        | 0.086   | 238.596 | 5.78       | 0.086    | 219.486 | 4.932      | 0.086    | 0.257  | 0.0        | 0.086     | 0.256   | 0.0        |
| 7    | 17818       | 17819     | NS   | 1    | -34.26  | 20.082 | 0.0        | -33.825  | 20.08  | 0.0        | -5.236   | 23.357 | 0.012      | -4.446    | 24.485 | 0.037      | 0.086   | 197.536 | 1.655      | 0.086    | 178.732 | 1.648      | 0.086    | 0.316  | 0.0        | 0.086     | 0.276   | 0.0        |
| 8    | 17818       | 17819     | SN   | 1    | -34.97  | 17.727 | 0.0        | -34.718  | 18.16  | 0.0        | -4.013   | 21.893 | 0.0        | -4.003    | 21.965 | 0.0        | 0.086   | 238.596 | 5.78       | 0.086    | 219.486 | 4.932      | 0.086    | 0.257  | 0.0        | 0.086     | 0.256   | 0.0        |
| 9    | 17819       | 17820     | SN   | 2    | -34.937 | 17.658 | 0.0        | -33.812  | 18.509 | 0.0        | -0.789   | 21.856 | 0.0        | -0.363    | 20.54  | 0.0        | 0.087   | 230.929 | 3.633      | 0.086    | 178.243 | 3.241      | 0.086    | 0.163  | 0.0        | 0.086     | 0.155   | 0.0        |
| 10   | 17819       | 17820     | NS   | 1    | -34.898 | 20.28  | 0.0        | -34.894  | 19.756 | 0.0        | -11.694  | 22.107 | 0.005      | -24.379   | 22.713 | 0.017      | 0.086   | 228.827 | 4.004      | 0.086    | 228.652 | 3.851      | 0.086    | 1.159  | 0.002      | 0.086     | 20.36   | 0.073      |
| 11   | 17819       | 17820     | NS   | 1    | -34.897 | 20.28  | 0.0        | -34.929  | 19.756 | 0.0        | -11.694  | 22.105 | 0.005      | -24.379   | 22.713 | 0.017      | 0.086   | 228.795 | 4.002      | 0.086    | 230.499 | 3.866      | 0.086    | 1.159  | 0.002      | 0.086     | 20.36   | 0.073      |
| 12   | 17819       | 17820     | SN   | 1    | -34.937 | 17.658 | 0.0        | -34.9    | 18.509 | 0.0        | -0.789   | 21.856 | 0.0        | -0.363    | 20.54  | 0.0        | 0.087   | 230.929 | 3.633      | 0.086    | 228.975 | 3.241      | 0.086    | 0.163  | 0.0        | 0.086     | 0.155   | 0.0        |
| 13   | 17819       | 17820     | SN   | 1    | -34.937 | 17.658 | 0.0        | -34.9    | 18.509 | 0.0        | -0.789   | 21.856 | 0.0        | -0.363    | 20.54  | 0.0        | 0.087   | 230.929 | 3.572      | 0.086    | 228.975 | 3.197      | 0.086    | 0.163  | 0.0        | 0.086     | 0.155   | 0.0        |
| 14   | 17820       | 17821     | SN   | 1    | -34.52  | 16.924 | 0.0        | -34.377  | 17.133 | 0.0        | 0.006    | 21.846 | 0.0        | 0.452     | 20.131 | 0.0        | 0.087   | 209.703 | 1.538      | 0.087    | 202.993 | 1.399      | 0.086    | 0.149  | 0.0        | 0.086     | 0.142   | 0.0        |
| 15   | 17820       | 17821     | NS   | 1    | -34.752 | 19.69  | 0.0        | -34.563  | 19.882 | 0.0        | -26.081  | 21.562 | 0.0        | -31.497   | 22.088 | 0.002      | 0.086   | 221.268 | 5.134      | 0.086    | 211.815 | 4.807      | 0.086    | 30.096 | 0.216      | 0.086     | 104.584 | 0.167      |
| 16   | 17820       | 17821     | NS   | 1    | -34.685 | 19.692 | 0.0        | -34.456  | 19.882 | 0.0        | -25.869  | 21.553 | 0.0        | -33.393   | 22.088 | 0.002      | 0.086   | 217.911 | 5.12       | 0.086    | 206.693 | 4.804      | 0.086    | 28.666 | 0.216      | 0.086     | 161.856 | 0.167      |
| 17   | 17820       | 17821     | SN   | 1    | -34.417 | 16.924 | 0.0        | -34.738  | 17.133 | 0.0        | 0.006    | 21.846 | 0.0        | 0.452     | 20.131 | 0.0        | 0.087   | 204.858 | 1.506      | 0.087    | 220.519 | 1.392      | 0.086    | 0.149  | 0.0        | 0.086     | 0.142   | 0.0        |
| 18   | 17820       | 17821     | SN   | 1    | -34.931 | 16.924 | 0.0        | -34.377  | 17.133 | 0.0        | 0.006    | 21.846 | 0.0        | 0.452     | 20.131 | 0.0        | 0.087   | 230.542 | 1.509      | 0.087    | 202.993 | 1.382      | 0.086    | 0.149  | 0.0        | 0.086     | 0.142   | 0.0        |
| 19   | 17821       | 17822     | SN   | 1    | -34.792 | 16.165 | 0.0        | -34.925  | 15.084 | 0.0        | -0.136   | 21.333 | 0.0        | 1.241     | 21.61  | 0.0        | 0.087   | 223.266 | 4.273      | 0.087    | 230.24  | 3.554      | 0.086    | 0.151  | 0.0        | 0.086     | 0.132   | 0.0        |
| 20   | 17821       | 17822     | NS   | 1    | -34.071 | 18.666 | 0.0        | -34.733  | 18.472 | 0.0        | -23.896  | 21.91  | 0.0        | -15.935   | 22.511 | 0.003      | 0.086   | 189.136 | 2.691      | 0.086    | 220.333 | 2.661      | 0.086    | 18.228 | 0.023      | 0.086     | 2.97    | 0.003      |
| 21   | 17821       | 17822     | SN   | 1    | -34.925 | 16.165 | 0.0        | -34.925  | 15.084 | 0.0        | -0.136   | 21.333 | 0.0        | 1.241     | 21.61  | 0.0        | 0.087   | 230.234 | 4.379      | 0.087    | 230.24  | 3.635      | 0.086    | 0.151  | 0.0        | 0.086     | 0.132   | 0.0        |
| 22   | 17821       | 17822     | SN   | 1    | -34.925 | 16.165 | 0.0        | -34.925  | 15.084 | 0.0        | -0.136   | 21.333 | 0.0        | 1.241     | 21.61  | 0.0        | 0.087   | 230.234 | 4.281      | 0.087    | 230.24  | 3.559      | 0.086    | 0.151  | 0.0        | 0.086     | 0.132   | 0.0        |
| 23   | 17821       | 17822     | NS   | 1    | -34.513 | 18.666 | 0.0        | -34.317  | 18.472 | 0.0        | -23.901  | 21.91  | 0.0        | -15.966   | 22.511 | 0.003      | 0.086   | 209.412 | 2.699      | 0.086    | 200.15  | 2.666      | 0.086    | 18.249 | 0.023      | 0.086     | 2.989   | 0.003      |
| 24   | 17822       | 17823     | NS   | 2    | -34.943 | 19.225 | 0.0        | -34.275  | 18.826 | 0.0        | -14.857  | 21.808 | 0.0        | -25.787   | 22.263 | 0.005      | 0.086   | 231.271 | 2.741      | 0.086    | 198.235 | 2.205      | 0.086    | 2.331  | 0.01       | 0.086     | 28.134  | 0.011      |
| 25   | 17822       | 17823     | SN   | 1    | -34.98  | 14.228 | 0.0        | -34.286  | 15.277 | 0.0        | -0.809   | 21.36  | 0.0        | 1.849     | 21.383 | 0.0        | 0.088   | 233.24  | 2.113      | 0.087    | 198.748 | 1.829      | 0.086    | 0.163  | 0.0        | 0.086     | 0.126   | 0.0        |
| 26   | 17822       | 17823     | SN   | 1    | -34.98  | 14.134 | 0.0        | -34.286  | 14.872 | 0.0        | -0.809   | 21.36  | 0.0        | 1.849     | 21.383 | 0.0        | 0.088   | 233.24  | 2.175      | 0.087    | 198.748 | 1.898      | 0.086    | 0.163  | 0.0        | 0.086     | 0.126   | 0.0        |
| 27   | 17822       | 17823     | SN   | 1    | -34.718 | 14.226 | 0.0        | -34.123  | 15.269 | 0.0        | -0.809   | 21.36  | 0.0        | 1.847     | 21.384 | 0.0        | 0.088   | 219.555 | 2.114      | 0.087    | 191.437 | 1.83       | 0.086    | 0.163  | 0.0        | 0.086     | 0.126   | 0.0        |
| 28   | 17822       | 17823     | NS   | 1    | -34.943 | 19.225 | 0.0        | -34.275  | 18.826 | 0.0        | -14.857  | 21.808 | 0.0        | -25.787   | 22.263 | 0.005      | 0.086   | 231.271 | 2.741      | 0.086    | 198.235 | 2.205      | 0.086    | 2.331  | 0.01       | 0.086     | 28.134  | 0.011      |
| 29   | 17823       | 17824     | SN   | 1    | -34.869 | 18.187 | 0.0        | -34.015  | 18.465 | 0.0        | -0.513   | 22.364 | 0.005      | 5.288     | 22.322 | 0.015      | 0.086   | 227.317 | 2.008      | 0.086    | 186.767 | 1.674      | 0.086    | 0.158  | 0.0        | 0.086     | 0.103   | 0.0        |
| 30   | 17823       | 17824     | SN   | 1    | -34.589 | 18.187 | 0.0        | -34.94   | 18.465 | 0.0        | -0.513   | 22.364 | 0.005      | 5.288     | 22.322 | 0.015      | 0.086   | 213.142 | 2.057      | 0.086    | 231.074 | 1.683      | 0.086    | 0.158  | 0.0        | 0.086     | 0.103   | 0.0        |
| 31   | 17823       | 17824     | NS   | 2    | -34.752 | 18.51  | 0.0        | -34.998  | 19.048 | 0.0        | -25.231  | 21.582 | 0.0        | -26.885   | 21.992 | 0.0        | 0.086   | 221.223 | 4.82       | 0.086    | 234.11  | 4.66       | 0.086    | 24.768 | 0.112      | 0.086     | 36.218  | 0.105      |
| 32   | 17823       | 17824     | NS   | 1    | -34.752 | 18.51  | 0.0        | -34.998  | 19.048 | 0.0        | -25.231  | 21.582 | 0.0        | -26.885   | 21.992 | 0.0        | 0.086   | 221.223 | 4.82       | 0.086    | 234.11  | 4.66       | 0.086    | 24.768 | 0.112      | 0.086     | 36.218  | 0.105      |

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

|    |       |       |    |   |         |        |       |         |        |     |         |        |       |         |        |       |       |         |       |       |         |       |       |         |       |       |         |       |
|----|-------|-------|----|---|---------|--------|-------|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|
| 33 | 17823 | 17824 | SN | 1 | -34.589 | 18.187 | 0.0   | -34.94  | 18.465 | 0.0 | -0.513  | 22.364 | 0.005 | 5.288   | 22.322 | 0.015 | 0.086 | 213.142 | 2.005 | 0.086 | 231.074 | 1.68  | 0.086 | 0.158   | 0.0   | 0.086 | 0.103   | 0.0   |
| 34 | 17824 | 17825 | SN | 2 | -34.936 | 18.598 | 0.0   | -34.922 | 19.622 | 0.0 | -10.965 | 23.515 | 0.024 | -11.089 | 25.69  | 0.114 | 0.086 | 230.81  | 2.507 | 0.086 | 230.054 | 2.077 | 0.086 | 0.99    | 0.0   | 0.086 | 1.017   | 0.002 |
| 35 | 17824 | 17825 | SN | 1 | -34.936 | 18.598 | 0.0   | -34.922 | 19.622 | 0.0 | -10.965 | 23.515 | 0.026 | -11.089 | 25.69  | 0.114 | 0.086 | 230.81  | 2.637 | 0.086 | 230.054 | 2.232 | 0.086 | 0.99    | 0.0   | 0.086 | 1.017   | 0.002 |
| 36 | 17824 | 17825 | NS | 1 | -34.815 | 19.013 | 0.0   | -34.883 | 19.627 | 0.0 | -1.876  | 22.214 | 0.006 | 0.178   | 23.02  | 0.049 | 0.086 | 224.506 | 3.028 | 0.086 | 228.043 | 2.824 | 0.086 | 0.187   | 0.0   | 0.086 | 0.146   | 0.0   |
| 37 | 17824 | 17825 | NS | 1 | -34.456 | 19.011 | 0.0   | -34.199 | 19.627 | 0.0 | -1.873  | 22.214 | 0.006 | 0.18    | 23.02  | 0.049 | 0.086 | 206.712 | 3.03  | 0.086 | 194.84  | 2.816 | 0.086 | 0.187   | 0.0   | 0.086 | 0.146   | 0.0   |
| 38 | 17824 | 17825 | SN | 1 | -34.936 | 18.598 | 0.0   | -34.922 | 19.622 | 0.0 | -10.965 | 23.515 | 0.024 | -11.089 | 25.69  | 0.114 | 0.086 | 230.81  | 2.507 | 0.086 | 230.054 | 2.077 | 0.086 | 0.99    | 0.0   | 0.086 | 1.017   | 0.002 |
| 39 | 17825 | 17826 | NS | 1 | -34.557 | 22.26  | 0.002 | -34.495 | 17.146 | 0.0 | -0.594  | 22.692 | 0.069 | -0.201  | 23.312 | 0.501 | 0.086 | 211.514 | 3.006 | 0.087 | 208.574 | 3.23  | 0.086 | 0.159   | 0.0   | 0.086 | 0.152   | 0.0   |
| 40 | 17825 | 17826 | SN | 2 | -34.88  | 19.25  | 0.0   | -33.718 | 19.941 | 0.0 | -25.833 | 22.461 | 0.01  | -25.015 | 22.614 | 0.087 | 0.086 | 227.9   | 1.611 | 0.086 | 174.395 | 1.138 | 0.086 | 28.436  | 0.115 | 0.086 | 23.567  | 0.014 |
| 41 | 17825 | 17826 | SN | 1 | -34.88  | 19.25  | 0.0   | -33.718 | 19.941 | 0.0 | -25.833 | 22.461 | 0.01  | -25.015 | 22.614 | 0.087 | 0.086 | 227.9   | 1.611 | 0.086 | 174.395 | 1.138 | 0.086 | 28.436  | 0.115 | 0.086 | 23.567  | 0.014 |
| 42 | 17825 | 17826 | NS | 1 | -34.923 | 22.262 | 0.002 | -34.962 | 17.146 | 0.0 | -0.592  | 22.692 | 0.069 | -0.193  | 23.312 | 0.501 | 0.086 | 230.129 | 3.008 | 0.087 | 232.183 | 3.22  | 0.086 | 0.159   | 0.0   | 0.086 | 0.152   | 0.0   |
| 43 | 17826 | 17827 | SN | 1 | -34.965 | 20.294 | 0.0   | -34.75  | 20.422 | 0.0 | -7.835  | 22.427 | 0.011 | -7.379  | 23.275 | 0.093 | 0.086 | 232.374 | 4.729 | 0.086 | 221.178 | 3.611 | 0.086 | 0.517   | 0.0   | 0.086 | 0.485   | 0.0   |
| 44 | 17826 | 17827 | SN | 1 | -34.94  | 20.308 | 0.0   | -34.86  | 20.422 | 0.0 | -7.834  | 22.427 | 0.011 | -6.658  | 23.275 | 0.092 | 0.086 | 231.071 | 3.744 | 0.086 | 226.864 | 2.925 | 0.086 | 0.517   | 0.0   | 0.086 | 0.411   | 0.0   |
| 45 | 17826 | 17827 | NS | 1 | -34.95  | 22.324 | 0.003 | -34.663 | 20.639 | 0.0 | -5.131  | 22.699 | 0.107 | -9.19   | 23.221 | 0.459 | 0.086 | 231.553 | 4.1   | 0.086 | 216.831 | 4.188 | 0.086 | 0.319   | 0.0   | 0.086 | 0.681   | 0.0   |
| 46 | 17826 | 17827 | NS | 2 | -34.95  | 22.324 | 0.003 | -34.801 | 20.639 | 0.0 | -5.131  | 22.699 | 0.107 | -9.19   | 23.221 | 0.459 | 0.086 | 231.553 | 4.099 | 0.086 | 223.764 | 4.188 | 0.086 | 0.319   | 0.0   | 0.086 | 0.681   | 0.0   |
| 47 | 17827 | 17828 | SN | 1 | -34.506 | 20.328 | 0.0   | -34.646 | 20.393 | 0.0 | -33.946 | 22.466 | 0.01  | -23.152 | 23.939 | 0.077 | 0.086 | 209.066 | 3.399 | 0.086 | 215.938 | 3.081 | 0.086 | 183.772 | 0.192 | 0.086 | 15.368  | 0.054 |
| 48 | 17827 | 17828 | NS | 1 | -34.988 | 21.268 | 0.0   | -34.278 | 19.649 | 0.0 | -0.665  | 22.245 | 0.022 | -0.072  | 23.125 | 0.194 | 0.086 | 233.603 | 3.063 | 0.086 | 198.391 | 3.111 | 0.086 | 0.16    | 0.0   | 0.086 | 0.15    | 0.0   |
| 49 | 17828 | 17829 | SN | 1 | -33.836 | 19.952 | 0.0   | -34.126 | 20.077 | 0.0 | -26.433 | 22.274 | 0.004 | -33.546 | 23.097 | 0.074 | 0.086 | 179.206 | 3.117 | 0.086 | 191.628 | 2.718 | 0.086 | 32.639  | 0.136 | 0.086 | 167.678 | 0.175 |
| 50 | 17828 | 17829 | NS | 1 | -34.9   | 21.552 | 0.0   | -34.914 | 19.796 | 0.0 | 3.818   | 22.436 | 0.032 | 4.576   | 22.839 | 0.139 | 0.086 | 228.96  | 3.067 | 0.086 | 229.707 | 3.165 | 0.086 | 0.11    | 0.0   | 0.086 | 0.106   | 0.0   |
| 51 | 17828 | 17829 | SN | 1 | -34.515 | 19.952 | 0.0   | -34.436 | 20.077 | 0.0 | -26.518 | 22.274 | 0.004 | -34.331 | 23.097 | 0.074 | 0.086 | 209.511 | 3.136 | 0.086 | 205.757 | 2.713 | 0.086 | 33.286  | 0.136 | 0.086 | 200.832 | 0.175 |
| 52 | 17828 | 17829 | NS | 1 | -34.574 | 21.548 | 0.0   | -34.914 | 19.796 | 0.0 | 3.885   | 22.436 | 0.035 | 4.572   | 22.848 | 0.155 | 0.086 | 212.402 | 3.062 | 0.086 | 229.707 | 3.171 | 0.086 | 0.11    | 0.0   | 0.086 | 0.106   | 0.0   |
| 53 | 17828 | 17829 | NS | 1 | -34.574 | 21.548 | 0.0   | -34.914 | 19.796 | 0.0 | 3.811   | 22.436 | 0.032 | 4.576   | 22.837 | 0.139 | 0.086 | 212.402 | 3.071 | 0.086 | 229.707 | 3.169 | 0.086 | 0.11    | 0.0   | 0.086 | 0.106   | 0.0   |
| 54 | 17829 | 17830 | SN | 1 | -34.804 | 19.117 | 0.0   | -34.478 | 19.92  | 0.0 | -23.384 | 22.772 | 0.108 | -18.341 | 23.17  | 0.313 | 0.086 | 223.938 | 4.388 | 0.086 | 207.698 | 3.95  | 0.086 | 16.209  | 0.073 | 0.086 | 5.119   | 0.059 |
| 55 | 17829 | 17830 | NS | 1 | -34.96  | 20.153 | 0.0   | -34.872 | 19.746 | 0.0 | 2.89    | 22.678 | 0.048 | 2.977   | 22.716 | 0.141 | 0.086 | 232.132 | 2.051 | 0.086 | 227.501 | 1.962 | 0.086 | 0.117   | 0.0   | 0.086 | 0.116   | 0.0   |
| 56 | 17829 | 17830 | SN | 2 | -34.804 | 19.117 | 0.0   | -34.478 | 19.92  | 0.0 | -23.384 | 22.772 | 0.108 | -18.341 | 23.17  | 0.313 | 0.086 | 223.938 | 4.388 | 0.086 | 207.698 | 3.95  | 0.086 | 16.209  | 0.073 | 0.086 | 5.119   | 0.059 |
| 57 | 17829 | 17830 | NS | 1 | -34.71  | 20.153 | 0.0   | -34.872 | 19.745 | 0.0 | 2.89    | 22.678 | 0.048 | 2.975   | 22.716 | 0.141 | 0.086 | 219.126 | 2.06  | 0.086 | 227.501 | 1.959 | 0.086 | 0.117   | 0.0   | 0.086 | 0.116   | 0.0   |
| 58 | 17830 | 17831 | NS | 1 | -33.418 | 19.57  | 0.0   | -34.219 | 21.456 | 0.0 | 2.717   | 22.653 | 0.041 | 2.873   | 22.918 | 0.146 | 0.086 | 162.777 | 0.913 | 0.086 | 195.716 | 0.874 | 0.086 | 0.118   | 0.0   | 0.086 | 0.117   | 0.0   |
| 59 | 17830 | 17831 | NS | 1 | -34.193 | 19.574 | 0.0   | -34.807 | 21.457 | 0.0 | 2.718   | 22.653 | 0.041 | 2.873   | 22.919 | 0.146 | 0.086 | 194.573 | 0.91  | 0.086 | 224.108 | 0.87  | 0.086 | 0.118   | 0.0   | 0.086 | 0.117   | 0.0   |
| 60 | 17830 | 17831 | SN | 1 | -34.922 | 18.54  | 0.0   | -34.963 | 18.762 | 0.0 | 1.324   | 22.514 | 0.094 | 1.356   | 23.023 | 1.106 | 0.086 | 230.078 | 5.085 | 0.086 | 232.289 | 4.851 | 0.086 | 0.131   | 0.0   | 0.086 | 0.131   | 0.0   |
| 61 | 17830 | 17831 | SN | 2 | -34.85  | 18.54  | 0.0   | -34.963 | 18.762 | 0.0 | 1.324   | 22.514 | 0.094 | 1.356   | 23.023 | 1.106 | 0.086 | 226.323 | 5.083 | 0.086 | 232.289 | 4.852 | 0.086 | 0.131   | 0.0   | 0.086 | 0.131   | 0.0   |
| 62 | 17830 | 17831 | NS | 1 | -33.418 | 19.57  | 0.0   | -34.219 | 21.456 | 0.0 | 4.185   | 22.653 | 0.063 | 2.875   | 22.925 | 0.054 | 0.086 | 162.777 | 0.91  | 0.086 | 195.716 | 0.875 | 0.086 | 0.108   | 0.0   | 0.086 | 0.117   | 0.0   |
| 63 | 17831 | 17832 | SN | 1 | -34.875 | 17.956 | 0.0   | -34.702 | 17.97  | 0.0 | 1.608   | 22.322 | 0.002 | 3.808   | 23.376 | 0.123 | 0.086 | 227.614 | 2.083 | 0.086 | 218.719 | 2.137 | 0.086 | 0.128   | 0.0   | 0.086 | 0.11    | 0.0   |
| 64 | 17831 | 17832 | NS | 1 | -34.196 | 19.677 | 0.0   | -34.003 | 19.51  | 0.0 | 1.25    | 22.574 | 0.036 | 1.153   | 22.918 | 0.108 | 0.086 | 199.642 | 1.706 | 0.086 | 186.224 | 1.616 | 0.086 | 0.132   | 0.0   | 0.086 | 0.133   | 0.0   |
| 65 | 17831 | 17832 | NS | 1 | -34.046 | 19.677 | 0.0   | -34.923 | 19.51  | 0.0 | 1.246   | 22.57  | 0.036 | 1.153   | 22.918 | 0.108 | 0.086 | 188.065 | 1.705 | 0.086 | 230.171 | 1.608 | 0.086 | 0.132   | 0.0   | 0.086 | 0.133   | 0.0   |
| 66 | 17831 | 17832 | SN | 1 | -34.875 | 17.956 | 0.0   | -34.702 | 17.97  | 0.0 | 1.608   | 22.661 | 0.047 | 3.808   | 23.403 | 0.133 | 0.086 | 227.614 | 2.025 | 0.086 | 218.719 | 1.935 | 0.086 | 0.128   | 0.0   | 0.086 | 0.11    | 0.0   |
| 67 | 17831 | 17832 | SN | 1 | -34.875 | 17.956 | 0.0   | -34.702 | 17.97  | 0.0 | 1.608   | 22.656 | 0.047 | 3.808   | 23.403 | 0.133 | 0.086 | 227.614 | 2.031 | 0.086 | 218.719 | 1.934 | 0.086 | 0.128   | 0.0   | 0.086 | 0.11    | 0.0   |
| 68 | 17831 | 17832 | NS | 1 | -34.196 | 18.83  | 0.0   | -34.003 | 19.018 | 0.0 | 1.25    | 21.484 | 0.0   | 1.153   | 20.085 | 0.0   | 0.086 | 199.642 | 1.806 | 0.086 | 186.224 | 1.627 | 0.086 | 0.132   | 0.0   | 0.086 | 0.133   | 0.0   |
| 69 | 17832 | 17833 | SN | 1 | -34.8   | 18.261 | 0.0   | -34.971 | 18.467 | 0.0 | -13.281 | 21.957 | 0.0   | -14.161 | 22.121 | 0.002 | 0.086 | 223.678 | 5.112 | 0.086 | 232.754 | 4.132 | 0.086 | 1.641   | 0.004 | 0.086 | 1.995   | 0.002 |

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

- Normal
- Deviations
- Alarming
- High Errors



|     |       |       |    |   |         |        |     |         |        |     |         |        |       |         |        |       |       |         |       |       |         |       |       |        |       |       |         |       |
|-----|-------|-------|----|---|---------|--------|-----|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|---------|-------|
| 70  | 17832 | 17833 | SN | 1 | -34.8   | 18.261 | 0.0 | -34.971 | 18.467 | 0.0 | -13.281 | 21.957 | 0.0   | -14.161 | 22.121 | 0.002 | 0.086 | 223.678 | 4.889 | 0.086 | 232.754 | 3.916 | 0.086 | 1.641  | 0.004 | 0.086 | 1.995   | 0.002 |
| 71  | 17832 | 17833 | NS | 1 | -34.536 | 20.671 | 0.0 | -34.128 | 20.86  | 0.0 | 2.636   | 22.098 | 0.002 | 2.426   | 23.73  | 0.045 | 0.086 | 210.55  | 2.369 | 0.086 | 191.65  | 2.459 | 0.086 | 0.119  | 0.0   | 0.086 | 0.12    | 0.0   |
| 72  | 17833 | 17834 | SN | 1 | -34.939 | 18.249 | 0.0 | -34.954 | 18.465 | 0.0 | -0.089  | 22.033 | 0.002 | 0.096   | 21.145 | 0.0   | 0.086 | 234.246 | 5.089 | 0.086 | 231.824 | 4.373 | 0.086 | 0.151  | 0.0   | 0.086 | 0.148   | 0.0   |
| 73  | 17833 | 17834 | SN | 2 | -34.903 | 18.249 | 0.0 | -34.454 | 18.465 | 0.0 | -0.089  | 22.033 | 0.002 | 0.096   | 21.145 | 0.0   | 0.086 | 234.246 | 5.088 | 0.086 | 206.628 | 4.373 | 0.086 | 0.151  | 0.0   | 0.086 | 0.148   | 0.0   |
| 74  | 17833 | 17834 | NS | 1 | -33.757 | 20.634 | 0.0 | -34.734 | 20.448 | 0.0 | -14.176 | 22.945 | 0.007 | -9.777  | 22.413 | 0.016 | 0.086 | 175.942 | 2.052 | 0.086 | 220.416 | 1.966 | 0.086 | 2.002  | 0.002 | 0.086 | 0.769   | 0.0   |
| 75  | 17833 | 17834 | NS | 2 | -33.757 | 20.634 | 0.0 | -34.734 | 20.448 | 0.0 | -14.176 | 22.945 | 0.007 | -9.777  | 22.413 | 0.016 | 0.086 | 175.942 | 2.052 | 0.086 | 220.416 | 1.966 | 0.086 | 2.002  | 0.002 | 0.086 | 0.769   | 0.0   |
| 76  | 17833 | 17834 | SN | 1 | -34.939 | 18.249 | 0.0 | -34.954 | 18.465 | 0.0 | -0.089  | 22.033 | 0.002 | 0.096   | 21.145 | 0.0   | 0.086 | 234.246 | 4.979 | 0.086 | 231.824 | 4.298 | 0.086 | 0.151  | 0.0   | 0.086 | 0.148   | 0.0   |
| 77  | 17834 | 17835 | NS | 1 | -34.439 | 19.981 | 0.0 | -34.673 | 20.398 | 0.0 | -8.779  | 22.426 | 0.006 | -33.334 | 22.634 | 0.006 | 0.086 | 205.897 | 3.299 | 0.086 | 217.234 | 3.634 | 0.086 | 0.642  | 0.0   | 0.086 | 159.645 | 0.047 |
| 78  | 17834 | 17835 | SN | 1 | -34.923 | 17.71  | 0.0 | -34.948 | 17.938 | 0.0 | 0.59    | 22.265 | 0.005 | 1.188   | 19.842 | 0.0   | 0.086 | 230.192 | 2.109 | 0.086 | 231.492 | 1.62  | 0.086 | 0.14   | 0.0   | 0.086 | 0.133   | 0.0   |
| 79  | 17834 | 17835 | SN | 2 | -34.923 | 17.71  | 0.0 | -34.948 | 17.938 | 0.0 | 0.59    | 22.265 | 0.005 | 1.188   | 19.842 | 0.0   | 0.086 | 230.192 | 2.068 | 0.086 | 231.492 | 1.599 | 0.086 | 0.14   | 0.0   | 0.086 | 0.133   | 0.0   |
| 80  | 17834 | 17835 | SN | 1 | -34.923 | 17.71  | 0.0 | -34.948 | 17.938 | 0.0 | 0.59    | 22.265 | 0.005 | 1.188   | 19.842 | 0.0   | 0.086 | 230.192 | 2.068 | 0.086 | 231.492 | 1.599 | 0.086 | 0.14   | 0.0   | 0.086 | 0.133   | 0.0   |
| 81  | 17834 | 17835 | NS | 1 | -34.52  | 19.981 | 0.0 | -34.815 | 20.398 | 0.0 | -8.779  | 22.427 | 0.006 | -33.334 | 22.633 | 0.006 | 0.086 | 209.728 | 3.304 | 0.086 | 224.467 | 3.652 | 0.086 | 0.642  | 0.0   | 0.086 | 159.645 | 0.047 |
| 82  | 17835 | 17836 | SN | 2 | -34.549 | 16.697 | 0.0 | -34.048 | 15.135 | 0.0 | 0.46    | 21.53  | 0.0   | 0.395   | 21.773 | 0.0   | 0.087 | 211.195 | 2.567 | 0.087 | 188.123 | 2.055 | 0.086 | 0.142  | 0.0   | 0.086 | 0.143   | 0.0   |
| 83  | 17835 | 17836 | SN | 1 | -34.549 | 16.697 | 0.0 | -34.048 | 15.243 | 0.0 | 0.46    | 21.53  | 0.0   | 0.395   | 21.773 | 0.0   | 0.087 | 211.195 | 2.624 | 0.087 | 188.123 | 2.089 | 0.086 | 0.142  | 0.0   | 0.086 | 0.143   | 0.0   |
| 84  | 17835 | 17836 | SN | 1 | -34.549 | 16.697 | 0.0 | -33.82  | 15.135 | 0.0 | 0.46    | 21.53  | 0.0   | 0.395   | 21.773 | 0.0   | 0.087 | 211.195 | 2.567 | 0.087 | 178.568 | 2.056 | 0.086 | 0.142  | 0.0   | 0.086 | 0.143   | 0.0   |
| 85  | 17835 | 17836 | NS | 1 | -34.934 | 19.565 | 0.0 | -34.928 | 19.5   | 0.0 | -29.484 | 21.972 | 0.0   | -26.416 | 22.378 | 0.003 | 0.086 | 230.704 | 4.89  | 0.086 | 230.412 | 5.232 | 0.086 | 65.838 | 0.067 | 0.086 | 32.51   | 0.097 |
| 86  | 17835 | 17836 | NS | 1 | -33.457 | 19.568 | 0.0 | -34.818 | 19.5   | 0.0 | -29.267 | 21.972 | 0.0   | -26.419 | 22.375 | 0.003 | 0.086 | 164.226 | 4.891 | 0.086 | 224.667 | 5.236 | 0.086 | 62.62  | 0.063 | 0.086 | 32.541  | 0.097 |
| 87  | 17836 | 17837 | SN | 1 | -34.557 | 15.843 | 0.0 | -34.775 | 15.148 | 0.0 | -0.202  | 21.6   | 0.0   | 1.668   | 21.558 | 0.0   | 0.087 | 211.55  | 2.366 | 0.087 | 222.412 | 1.936 | 0.086 | 0.152  | 0.0   | 0.086 | 0.128   | 0.0   |
| 88  | 17836 | 17837 | NS | 2 | -34.762 | 17.933 | 0.0 | -34.775 | 18.144 | 0.0 | -21.628 | 22.028 | 0.002 | -25.395 | 22.153 | 0.001 | 0.086 | 221.757 | 3.285 | 0.086 | 222.41  | 3.601 | 0.086 | 10.838 | 0.047 | 0.086 | 25.717  | 0.013 |
| 89  | 17836 | 17837 | SN | 1 | -34.475 | 15.843 | 0.0 | -34.775 | 15.145 | 0.0 | -0.202  | 21.6   | 0.0   | 1.668   | 21.558 | 0.0   | 0.087 | 207.56  | 2.362 | 0.087 | 222.412 | 1.936 | 0.086 | 0.152  | 0.0   | 0.086 | 0.128   | 0.0   |
| 90  | 17836 | 17837 | SN | 1 | -34.475 | 15.843 | 0.0 | -34.775 | 14.743 | 0.0 | -0.202  | 21.6   | 0.0   | 1.668   | 21.558 | 0.0   | 0.087 | 207.56  | 2.428 | 0.088 | 222.412 | 1.992 | 0.086 | 0.152  | 0.0   | 0.086 | 0.128   | 0.0   |
| 91  | 17836 | 17837 | NS | 1 | -34.762 | 17.933 | 0.0 | -34.775 | 18.144 | 0.0 | -21.628 | 22.028 | 0.002 | -25.395 | 22.153 | 0.001 | 0.086 | 221.757 | 3.285 | 0.086 | 222.41  | 3.602 | 0.086 | 10.838 | 0.047 | 0.086 | 25.717  | 0.013 |
| 92  | 17837 | 17838 | NS | 1 | -34.308 | 18.617 | 0.0 | -34.974 | 19.092 | 0.0 | -29.776 | 21.88  | 0.0   | -19.89  | 21.839 | 0.0   | 0.086 | 199.78  | 3.64  | 0.086 | 232.918 | 3.694 | 0.086 | 70.414 | 0.157 | 0.086 | 7.285   | 0.035 |
| 93  | 17837 | 17838 | NS | 2 | -34.308 | 18.617 | 0.0 | -34.974 | 19.092 | 0.0 | -29.776 | 21.88  | 0.0   | -19.89  | 21.839 | 0.0   | 0.086 | 199.78  | 3.64  | 0.086 | 232.918 | 3.695 | 0.086 | 70.414 | 0.157 | 0.086 | 7.285   | 0.035 |
| 94  | 17837 | 17838 | SN | 1 | -34.385 | 17.115 | 0.0 | -34.419 | 16.887 | 0.0 | -0.708  | 21.34  | 0.0   | 1.827   | 21.23  | 0.0   | 0.087 | 203.327 | 1.377 | 0.087 | 204.921 | 1.408 | 0.086 | 0.161  | 0.0   | 0.086 | 0.126   | 0.0   |
| 95  | 17837 | 17838 | SN | 1 | -34.476 | 17.115 | 0.0 | -34.555 | 16.887 | 0.0 | -0.708  | 21.34  | 0.0   | 1.827   | 21.23  | 0.0   | 0.087 | 207.68  | 1.381 | 0.087 | 211.465 | 1.408 | 0.086 | 0.161  | 0.0   | 0.086 | 0.126   | 0.0   |
| 96  | 17837 | 17838 | SN | 1 | -34.385 | 17.115 | 0.0 | -34.419 | 16.887 | 0.0 | -0.708  | 21.34  | 0.0   | 1.827   | 21.23  | 0.0   | 0.087 | 203.327 | 1.423 | 0.087 | 204.921 | 1.476 | 0.086 | 0.161  | 0.0   | 0.086 | 0.126   | 0.0   |
| 97  | 17838 | 17839 | SN | 1 | -34.9   | 19.808 | 0.0 | -34.677 | 20.032 | 0.0 | -0.394  | 22.384 | 0.015 | 1.844   | 23.68  | 0.043 | 0.086 | 228.914 | 2.266 | 0.086 | 217.529 | 1.804 | 0.086 | 0.156  | 0.0   | 0.086 | 0.126   | 0.0   |
| 98  | 17838 | 17839 | SN | 1 | -34.9   | 19.808 | 0.0 | -34.677 | 20.032 | 0.0 | -0.394  | 22.384 | 0.016 | 1.844   | 23.68  | 0.043 | 0.086 | 228.914 | 2.413 | 0.086 | 217.529 | 2.019 | 0.086 | 0.156  | 0.0   | 0.086 | 0.126   | 0.0   |
| 99  | 17838 | 17839 | NS | 1 | -34.623 | 18.359 | 0.0 | -34.916 | 18.993 | 0.0 | -1.21   | 22.296 | 0.053 | -0.201  | 24.892 | 0.081 | 0.086 | 214.807 | 2.729 | 0.086 | 229.727 | 2.509 | 0.086 | 0.171  | 0.0   | 0.086 | 0.152   | 0.0   |
| 100 | 17838 | 17839 | NS | 2 | -34.623 | 18.359 | 0.0 | -34.916 | 18.993 | 0.0 | -1.21   | 22.296 | 0.053 | -0.201  | 24.892 | 0.081 | 0.086 | 214.807 | 2.729 | 0.086 | 229.727 | 2.509 | 0.086 | 0.171  | 0.0   | 0.086 | 0.152   | 0.0   |
| 101 | 17839 | 17840 | SN | 1 | -34.352 | 19.636 | 0.0 | -34.982 | 20.452 | 0.0 | -11.726 | 22.203 | 0.009 | -7.181  | 23.782 | 0.118 | 0.086 | 201.854 | 1.705 | 0.086 | 233.262 | 1.499 | 0.086 | 1.167  | 0.001 | 0.086 | 0.454   | 0.0   |
| 102 | 17839 | 17840 | NS | 1 | -34.823 | 17.081 | 0.0 | -34.94  | 17.888 | 0.0 | -2.906  | 22.463 | 0.061 | -2.09   | 23.461 | 0.259 | 0.087 | 224.869 | 2.109 | 0.086 | 231.068 | 2.125 | 0.086 | 0.216  | 0.0   | 0.086 | 0.192   | 0.0   |
| 103 | 17839 | 17840 | SN | 1 | -34.352 | 19.636 | 0.0 | -34.982 | 20.452 | 0.0 | -11.726 | 22.203 | 0.009 | -7.181  | 23.13  | 0.08  | 0.086 | 201.854 | 1.85  | 0.086 | 233.262 | 1.72  | 0.086 | 1.167  | 0.002 | 0.086 | 0.454   | 0.0   |
| 104 | 17839 | 17840 | NS | 1 | -34.626 | 17.081 | 0.0 | -34.21  | 17.888 | 0.0 | -2.91   | 22.464 | 0.061 | -2.09   | 23.461 | 0.259 | 0.087 | 214.98  | 2.095 | 0.086 | 195.334 | 2.143 | 0.086 | 0.216  | 0.0   | 0.086 | 0.192   | 0.0   |
| 105 | 17840 | 17841 | SN | 2 | -34.532 | 18.304 | 0.0 | -34.781 | 17.746 | 0.0 | -24.127 | 23.146 | 0.008 | -7.452  | 23.162 | 0.092 | 0.086 | 210.331 | 2.017 | 0.086 | 222.717 | 1.754 | 0.086 | 19.221 | 0.058 | 0.086 | 0.479   | 0.0   |
| 106 | 17840 | 17841 | NS | 1 | -34.386 | 20.919 | 0.0 | -33.744 | 21.33  | 0.0 | -28.975 | 22.9   | 0.098 | -28.944 | 23.428 | 0.583 | 0.086 | 203.444 | 2.214 | 0.086 | 175.491 | 1.724 | 0.086 | 58.551 | 0.014 | 0.086 | 58.135  | 0.006 |

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

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

|     |       |       |    |   |         |        |       |         |        |     |         |        |       |         |        |       |       |         |       |       |         |       |       |        |       |       |        |       |
|-----|-------|-------|----|---|---------|--------|-------|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 107 | 17840 | 17841 | NS | 1 | -34.728 | 20.919 | 0.0   | -34.781 | 21.33  | 0.0 | -28.963 | 22.9   | 0.098 | -28.944 | 23.428 | 0.583 | 0.086 | 220.036 | 2.214 | 0.086 | 222.733 | 1.724 | 0.086 | 58.397 | 0.014 | 0.086 | 58.135 | 0.006 |
| 108 | 17840 | 17841 | SN | 1 | -34.532 | 18.304 | 0.0   | -34.781 | 17.746 | 0.0 | -24.127 | 23.146 | 0.008 | -7.452  | 23.162 | 0.092 | 0.086 | 210.331 | 2.017 | 0.086 | 222.717 | 1.754 | 0.086 | 19.221 | 0.058 | 0.086 | 0.479  | 0.0   |
| 109 | 17841 | 17842 | SN | 1 | -34.863 | 20.311 | 0.0   | -34.909 | 20.637 | 0.0 | -25.196 | 22.655 | 0.013 | -27.632 | 23.321 | 0.127 | 0.086 | 226.985 | 2.615 | 0.086 | 229.433 | 2.386 | 0.086 | 24.565 | 0.249 | 0.086 | 42.993 | 0.174 |
| 110 | 17841 | 17842 | NS | 1 | -34.676 | 22.036 | 0.001 | -34.755 | 16.83  | 0.0 | -18.236 | 22.659 | 0.032 | -18.882 | 23.125 | 0.232 | 0.086 | 217.398 | 4.16  | 0.087 | 221.368 | 3.855 | 0.086 | 4.998  | 0.018 | 0.086 | 5.79   | 0.032 |
| 111 | 17841 | 17842 | NS | 1 | -34.968 | 22.031 | 0.001 | -34.916 | 16.83  | 0.0 | -18.237 | 22.661 | 0.032 | -18.884 | 23.125 | 0.232 | 0.086 | 232.566 | 4.15  | 0.087 | 229.716 | 3.86  | 0.086 | 5.0    | 0.018 | 0.086 | 5.791  | 0.032 |
| 112 | 17842 | 17843 | SN | 1 | -34.69  | 20.854 | 0.0   | -34.295 | 21.207 | 0.0 | -26.854 | 22.638 | 0.014 | -30.446 | 23.614 | 0.103 | 0.086 | 218.099 | 5.689 | 0.086 | 199.158 | 4.908 | 0.086 | 35.959 | 0.102 | 0.086 | 82.135 | 0.05  |
| 113 | 17842 | 17843 | NS | 1 | -33.714 | 17.537 | 0.0   | -34.574 | 18.932 | 0.0 | -0.504  | 23.06  | 0.024 | -0.682  | 22.843 | 0.113 | 0.087 | 174.233 | 2.92  | 0.086 | 212.401 | 2.604 | 0.086 | 0.158  | 0.0   | 0.086 | 0.161  | 0.0   |
| 114 | 17842 | 17843 | NS | 1 | -33.714 | 17.537 | 0.0   | -34.574 | 18.932 | 0.0 | -0.504  | 23.06  | 0.025 | -0.682  | 22.843 | 0.115 | 0.087 | 174.233 | 2.919 | 0.086 | 212.401 | 2.604 | 0.086 | 0.158  | 0.0   | 0.086 | 0.161  | 0.0   |
| 115 | 17843 | 17844 | NS | 1 | -34.472 | 19.929 | 0.0   | -34.636 | 19.887 | 0.0 | 5.406   | 22.494 | 0.043 | 5.113   | 22.819 | 0.202 | 0.086 | 207.428 | 1.528 | 0.086 | 215.418 | 1.378 | 0.086 | 0.102  | 0.0   | 0.086 | 0.104  | 0.0   |
| 116 | 17843 | 17844 | SN | 1 | -33.904 | 19.652 | 0.0   | -31.614 | 20.452 | 0.0 | -30.825 | 22.483 | 0.017 | -18.921 | 23.083 | 0.119 | 0.086 | 182.052 | 1.471 | 0.086 | 107.476 | 1.343 | 0.086 | 89.64  | 0.007 | 0.086 | 5.842  | 0.01  |
| 117 | 17843 | 17844 | NS | 1 | -34.472 | 19.933 | 0.0   | -34.636 | 19.887 | 0.0 | 5.396   | 22.494 | 0.034 | 5.181   | 22.819 | 0.166 | 0.086 | 207.428 | 1.53  | 0.086 | 215.418 | 1.379 | 0.086 | 0.102  | 0.0   | 0.086 | 0.103  | 0.0   |
| 118 | 17844 | 17845 | SN | 1 | -34.979 | 19.166 | 0.0   | -34.849 | 19.574 | 0.0 | -24.766 | 22.713 | 0.101 | -22.617 | 23.224 | 0.51  | 0.086 | 233.145 | 3.843 | 0.086 | 226.234 | 3.151 | 0.086 | 22.256 | 0.078 | 0.086 | 13.591 | 0.057 |
| 119 | 17844 | 17845 | NS | 1 | -34.451 | 20.325 | 0.0   | -34.595 | 20.837 | 0.0 | 0.632   | 22.498 | 0.039 | 1.779   | 23.246 | 0.143 | 0.086 | 206.485 | 1.086 | 0.086 | 213.441 | 0.997 | 0.086 | 0.14   | 0.0   | 0.086 | 0.126  | 0.0   |
| 120 | 17844 | 17845 | NS | 1 | -34.283 | 20.286 | 0.0   | -34.595 | 20.837 | 0.0 | 0.632   | 22.498 | 0.085 | 1.784   | 22.828 | 0.22  | 0.086 | 198.596 | 1.086 | 0.086 | 213.441 | 0.999 | 0.086 | 0.14   | 0.0   | 0.086 | 0.126  | 0.0   |
| 121 | 17845 | 17846 | NS | 1 | -34.668 | 21.233 | 0.0   | -34.62  | 20.681 | 0.0 | 1.076   | 21.931 | 0.0   | 1.433   | 20.384 | 0.0   | 0.086 | 217.048 | 1.035 | 0.086 | 214.631 | 1.03  | 0.086 | 0.134  | 0.0   | 0.086 | 0.13   | 0.0   |
| 122 | 17845 | 17846 | SN | 1 | -33.93  | 17.639 | 0.0   | -33.761 | 17.778 | 0.0 | 1.66    | 22.39  | 0.097 | 3.582   | 23.434 | 0.691 | 0.087 | 183.095 | 1.934 | 0.086 | 176.129 | 1.653 | 0.086 | 0.128  | 0.0   | 0.086 | 0.112  | 0.0   |
| 123 | 17845 | 17846 | NS | 1 | -34.668 | 21.233 | 0.0   | -34.62  | 20.718 | 0.0 | 1.076   | 22.33  | 0.032 | 1.433   | 22.902 | 0.139 | 0.086 | 217.048 | 1.035 | 0.086 | 214.631 | 1.028 | 0.086 | 0.134  | 0.0   | 0.086 | 0.13   | 0.0   |
| 124 | 17846 | 17847 | NS | 1 | -34.272 | 20.868 | 0.0   | -34.057 | 20.988 | 0.0 | 1.258   | 26.378 | 0.041 | 0.644   | 23.524 | 0.071 | 0.086 | 198.138 | 0.557 | 0.086 | 188.559 | 0.602 | 0.086 | 0.132  | 0.0   | 0.086 | 0.14   | 0.0   |
| 125 | 17846 | 17847 | NS | 1 | -29.373 | 16.59  | 0.0   | -34.057 | 20.988 | 0.0 | 4.207   | 26.378 | 0.007 | 4.892   | 21.391 | 0.0   | 0.087 | 64.156  | 0.361 | 0.086 | 188.559 | 0.518 | 0.086 | 0.108  | 0.0   | 0.086 | 0.105  | 0.0   |

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

Normal
  Deviations
  Alarming
  High Errors