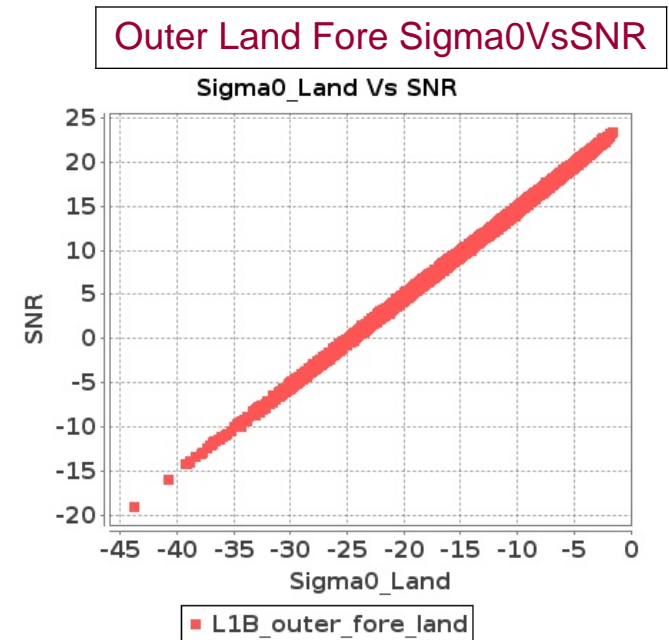
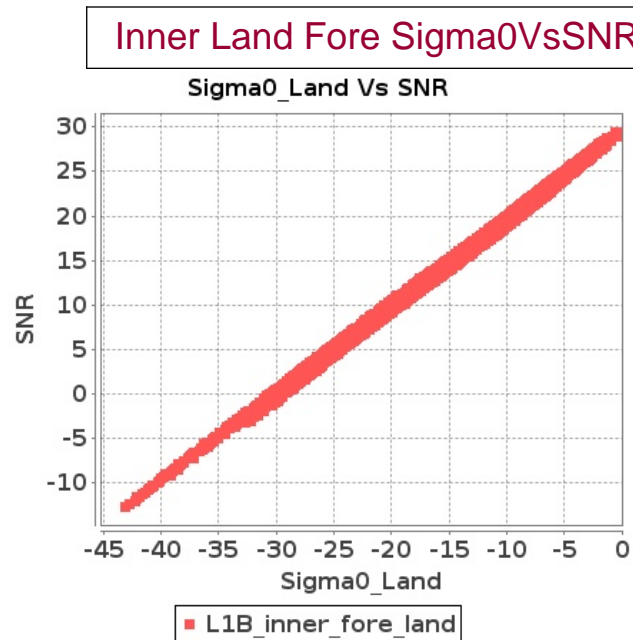
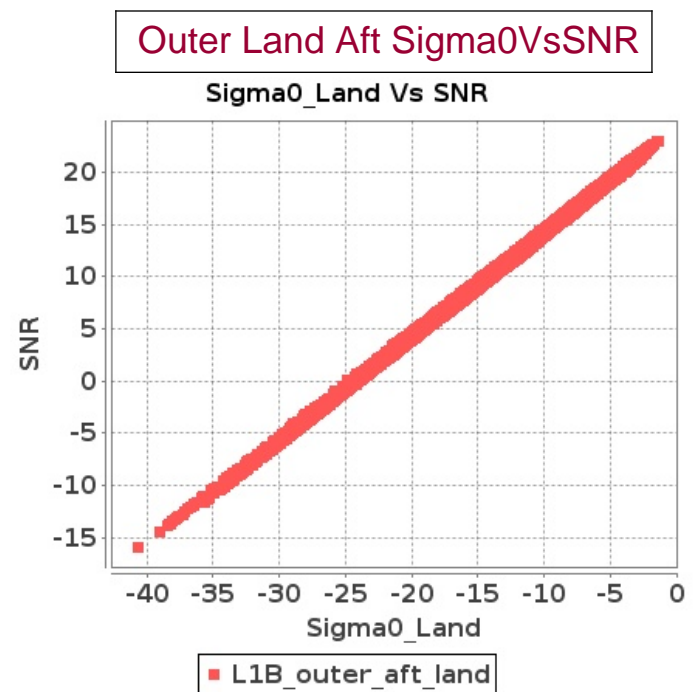
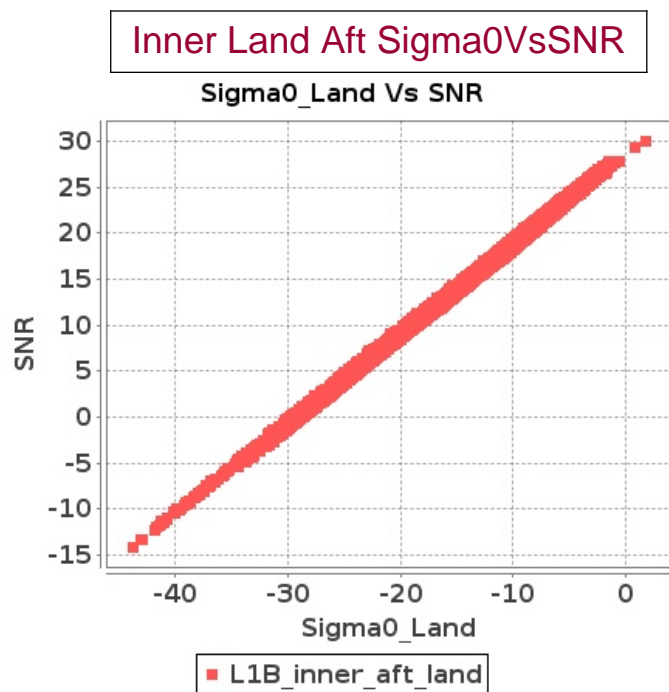
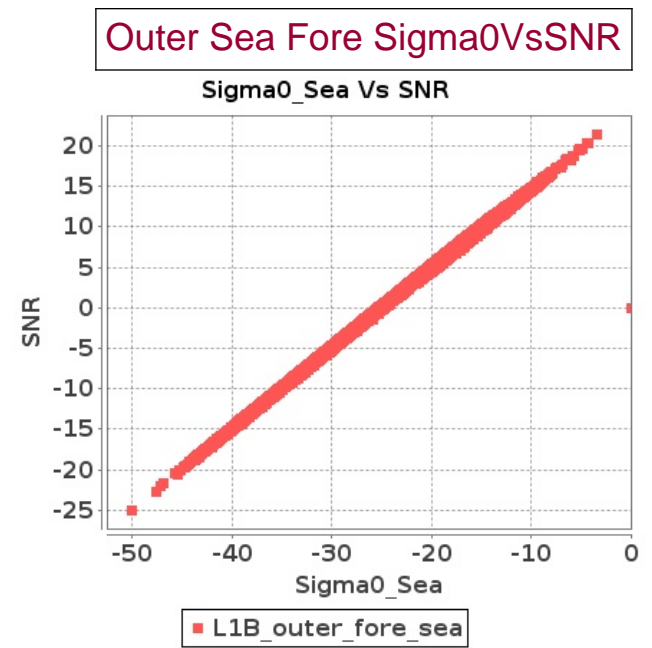
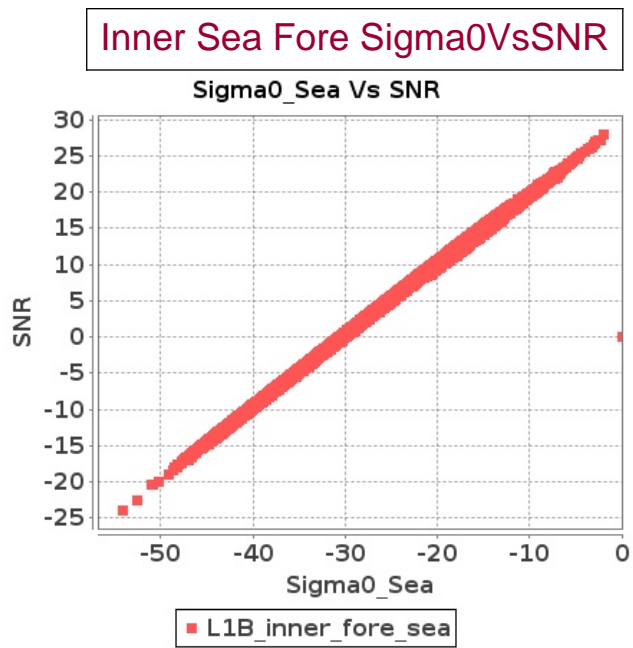
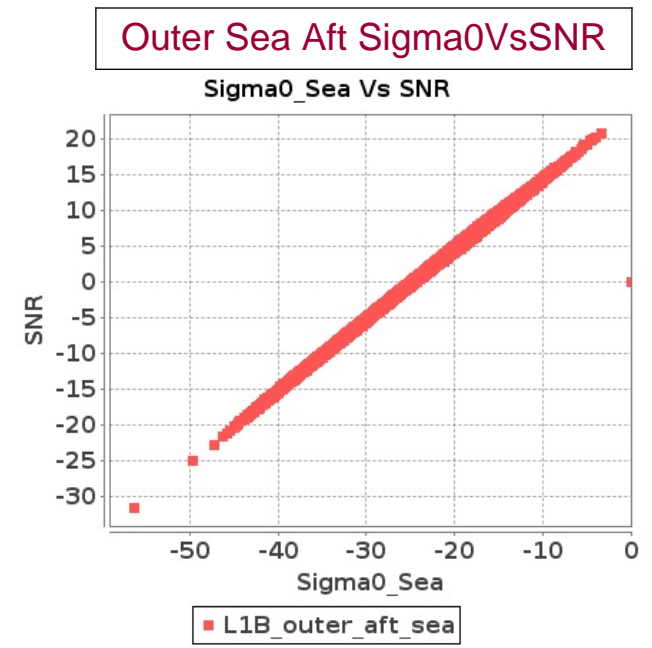
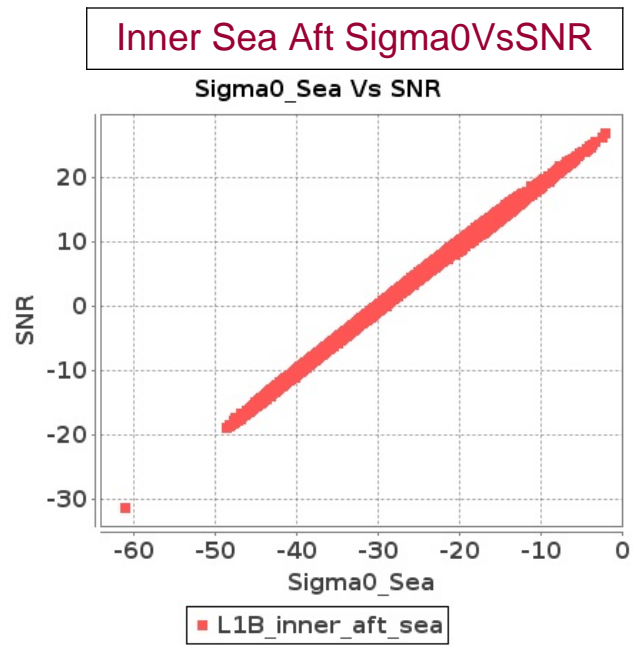
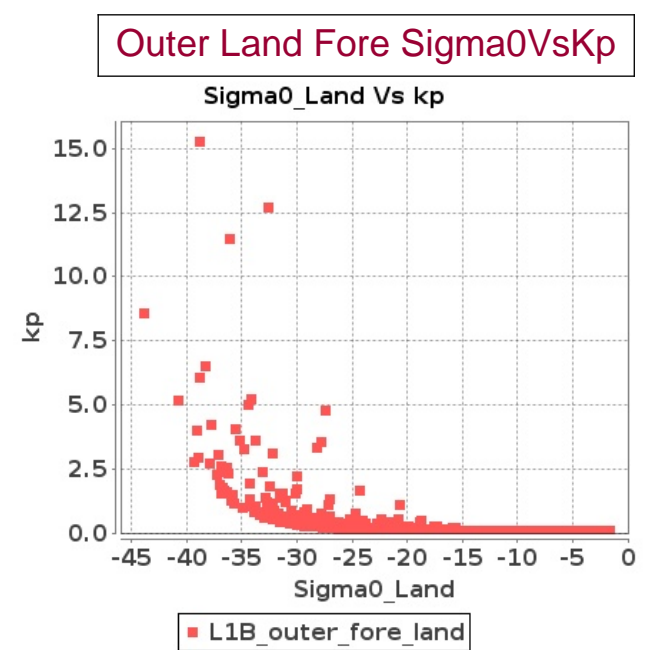
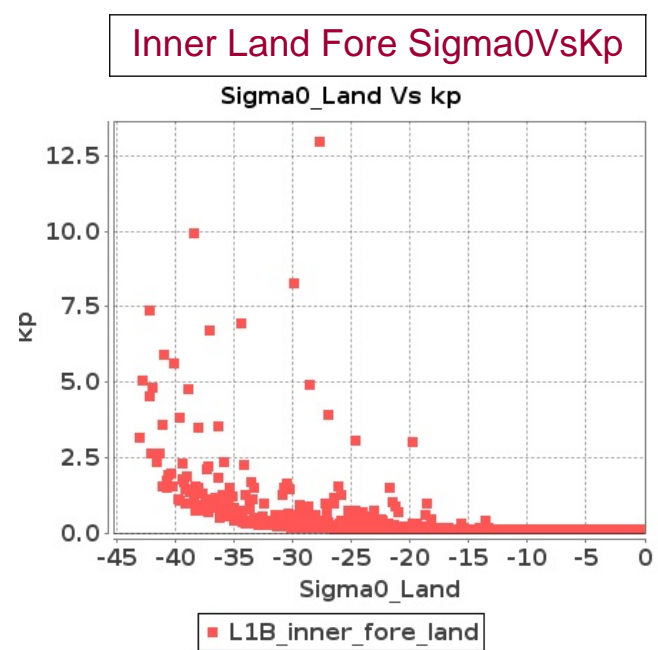
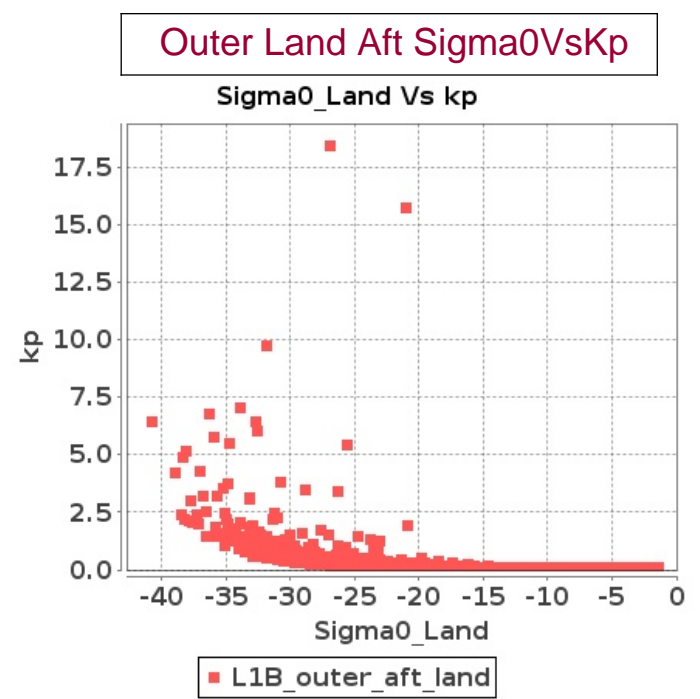
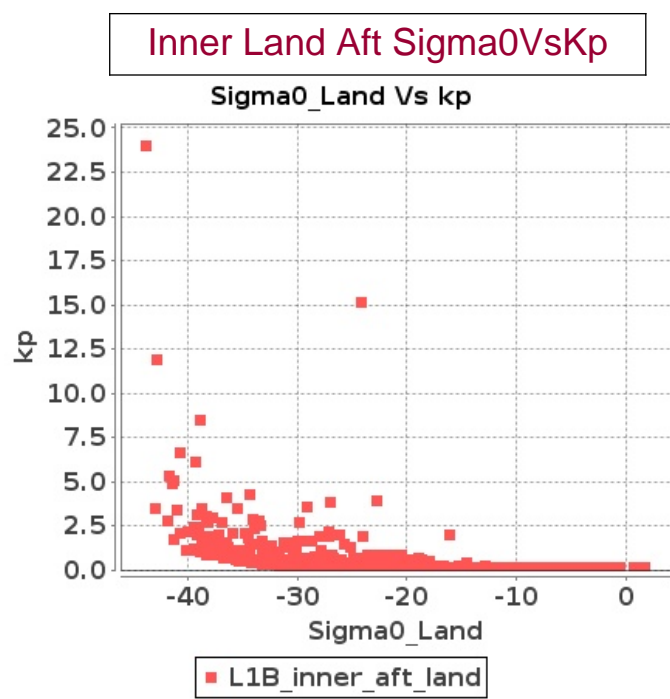
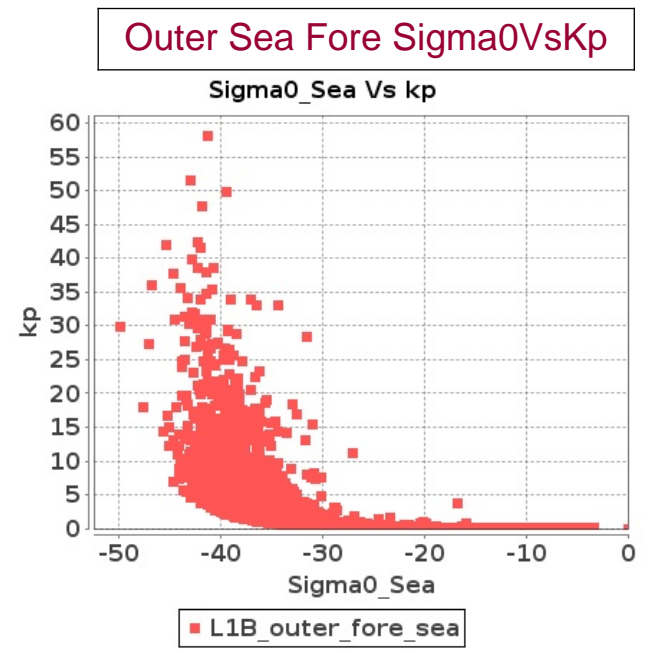
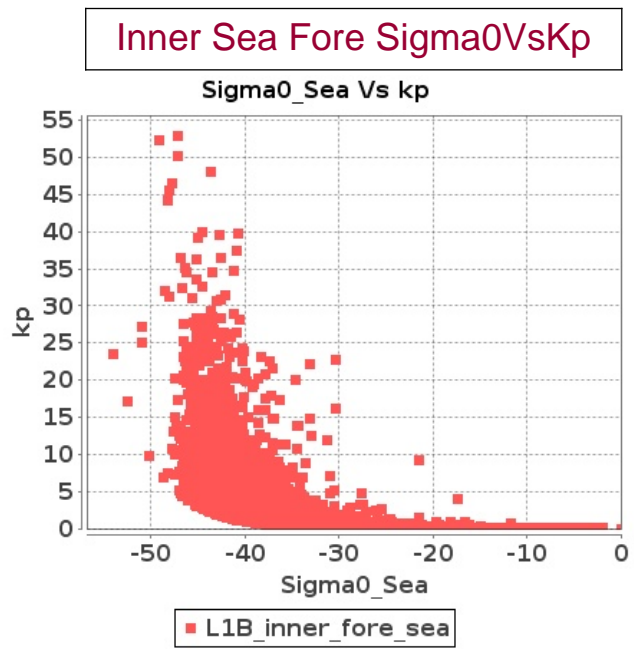
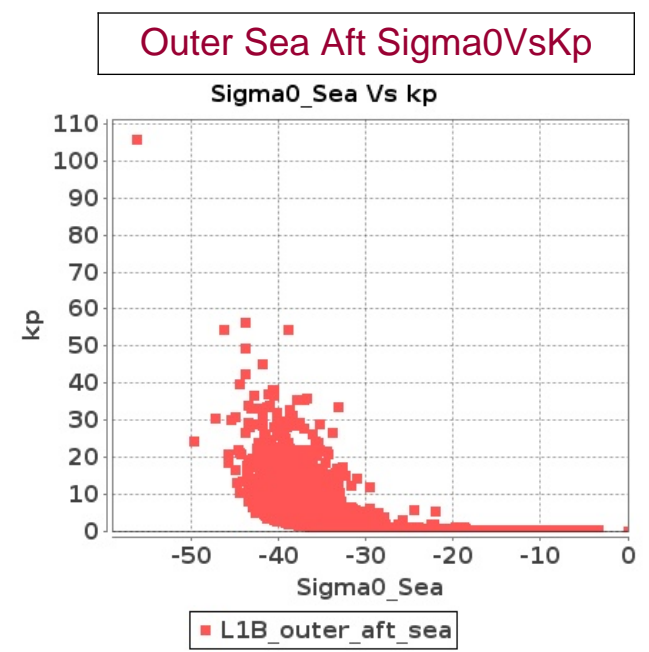
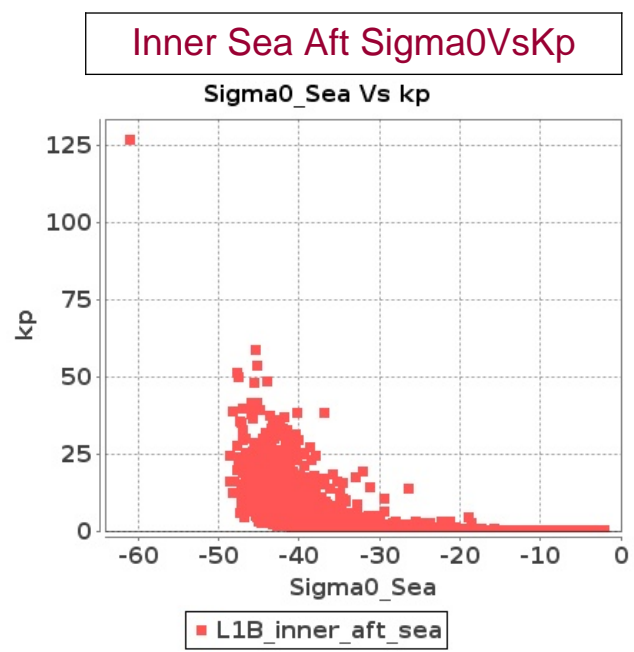


# SCATSAT-1 Scatterometer Level-1B Data Quality Cycle wise Report

Report between 29-JUN-2019 To 30-JUN-2019





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

Report between 29-JUN-2019 To 30-JUN-2019

|       |             |           |      |      | Inner           |        |           |               |         |           |          |          |           |          |         |           |
|-------|-------------|-----------|------|------|-----------------|--------|-----------|---------------|---------|-----------|----------|----------|-----------|----------|---------|-----------|
|       |             |           |      |      | Incidence Angle |        |           | Azimuth Angle |         |           | Range    |          |           | X-Factor |         |           |
| Sr No | Start Orbit | End Orbit | Dir. | Ver. | Min             | Max    | BadOcc(%) | Min           | Max     | BadOcc(%) | Min      | Max      | BadOcc(%) | Min      | Max     | BadOcc(%) |
| 1     | 14584       | 14585     | SN   | 1    | 48.755          | 49.395 | 0.0       | 0.003         | 29.105  | 2.739     | 1034.688 | 1075.624 | 0.0       | -91.796  | -90.023 | 0.0       |
| 2     | 14584       | 14585     | NS   | 1    | 48.773          | 49.356 | 0.0       | 0.003         | 264.659 | 2.671     | 1038.688 | 1075.52  | 0.0       | -91.638  | -90.085 | 0.0       |
| 3     | 14584       | 14585     | SN   | 1    | 48.755          | 49.395 | 0.0       | 0.003         | 29.105  | 2.468     | 1034.688 | 1075.624 | 0.0       | -91.796  | -90.023 | 0.0       |
| 4     | 14584       | 14585     | SN   | 1    | 48.755          | 49.395 | 0.0       | 0.003         | 29.105  | 2.742     | 1034.688 | 1075.624 | 0.0       | -91.796  | -90.023 | 0.0       |
| 5     | 14585       | 14586     | NS   | 2    | 48.773          | 49.338 | 0.0       | 0.0           | 50.291  | 2.644     | 1038.96  | 1075.712 | 0.0       | -91.661  | -90.076 | 0.0       |
| 6     | 14585       | 14586     | SN   | 1    | 48.802          | 49.398 | 0.0       | 0.003         | 280.173 | 2.552     | 1034.688 | 1075.792 | 0.0       | -91.676  | -90.056 | 0.0       |
| 7     | 14585       | 14586     | SN   | 1    | 48.809          | 49.398 | 0.0       | 0.003         | 280.173 | 2.409     | 1035.088 | 1075.792 | 0.0       | -91.722  | -90.056 | 0.0       |
| 8     | 14585       | 14586     | NS   | 1    | 48.773          | 49.338 | 0.0       | 0.0           | 50.291  | 2.645     | 1038.96  | 1075.712 | 0.0       | -91.661  | -90.076 | 0.0       |
| 9     | 14585       | 14586     | SN   | 1    | 48.802          | 49.398 | 0.0       | 0.003         | 280.173 | 2.407     | 1034.688 | 1075.792 | 0.0       | -91.676  | -90.056 | 0.0       |
| 10    | 14586       | 14587     | NS   | 1    | 48.774          | 49.338 | 0.0       | 0.003         | 41.613  | 2.52      | 1038.776 | 1075.784 | 0.0       | -91.754  | -90.083 | 0.0       |
| 11    | 14586       | 14587     | SN   | 2    | 48.798          | 49.372 | 0.0       | 0.003         | 6.32    | 2.525     | 1035.04  | 1075.848 | 0.0       | -91.761  | -90.07  | 0.0       |
| 12    | 14586       | 14587     | NS   | 1    | 48.774          | 49.338 | 0.0       | 0.003         | 41.613  | 2.523     | 1038.776 | 1075.784 | 0.0       | -91.86   | -90.083 | 0.0       |
| 13    | 14586       | 14587     | SN   | 1    | 48.798          | 49.372 | 0.0       | 0.003         | 6.32    | 2.525     | 1035.04  | 1075.848 | 0.0       | -91.761  | -90.07  | 0.0       |
| 14    | 14586       | 14587     | SN   | 1    | 48.798          | 49.372 | 0.0       | 0.003         | 6.32    | 2.341     | 1035.04  | 1075.848 | 0.0       | -91.761  | -90.07  | 0.0       |
| 15    | 14587       | 14588     | SN   | 2    | 48.773          | 49.372 | 0.0       | 0.003         | 279.158 | 2.572     | 1034.152 | 1075.752 | 0.0       | -91.714  | -90.052 | 0.0       |
| 16    | 14587       | 14588     | SN   | 1    | 48.773          | 49.372 | 0.0       | 0.003         | 279.158 | 2.275     | 1034.152 | 1075.752 | 0.0       | -91.633  | -90.052 | 0.0       |
| 17    | 14587       | 14588     | NS   | 1    | 48.753          | 49.38  | 0.0       | 0.0           | 52.624  | 2.752     | 1039.112 | 1075.68  | 0.0       | -91.799  | -90.085 | 0.0       |
| 18    | 14587       | 14588     | SN   | 1    | 48.773          | 49.372 | 0.0       | 0.003         | 279.158 | 2.572     | 1034.152 | 1075.752 | 0.0       | -91.714  | -90.052 | 0.0       |
| 19    | 14587       | 14588     | NS   | 1    | 48.753          | 49.38  | 0.0       | 0.0           | 52.624  | 2.755     | 1039.112 | 1075.68  | 0.0       | -91.999  | -90.085 | 0.0       |
| 20    | 14588       | 14589     | SN   | 1    | 48.771          | 49.371 | 0.0       | 0.003         | 215.99  | 2.088     | 1034.056 | 1075.656 | 0.0       | -91.723  | -90.07  | 0.0       |
| 21    | 14588       | 14589     | SN   | 1    | 48.771          | 49.371 | 0.0       | 0.003         | 215.99  | 2.552     | 1034.056 | 1075.656 | 0.0       | -91.792  | -90.07  | 0.0       |
| 22    | 14588       | 14589     | NS   | 1    | 48.721          | 49.369 | 0.0       | 0.003         | 266.97  | 2.631     | 1039.76  | 1075.6   | 0.0       | -91.812  | -90.097 | 0.0       |
| 23    | 14588       | 14589     | NS   | 1    | 48.721          | 49.369 | 0.0       | 0.003         | 266.97  | 2.629     | 1039.76  | 1075.6   | 0.0       | -91.808  | -90.097 | 0.0       |
| 24    | 14588       | 14589     | SN   | 2    | 48.771          | 49.371 | 0.0       | 0.003         | 215.99  | 2.552     | 1034.056 | 1075.656 | 0.0       | -91.792  | -90.07  | 0.0       |
| 25    | 14589       | 14590     | NS   | 1    | 48.724          | 49.362 | 0.0       | 0.0           | 35.743  | 2.659     | 1038.776 | 1075.448 | 0.0       | -91.749  | -90.101 | 0.0       |
| 26    | 14589       | 14590     | SN   | 1    | 48.749          | 49.371 | 0.0       | 0.003         | 6.304   | 1.87      | 1034.096 | 1075.528 | 0.0       | -92.15   | -90.07  | 0.0       |
| 27    | 14589       | 14590     | NS   | 1    | 48.724          | 49.362 | 0.0       | 0.0           | 35.743  | 2.657     | 1038.776 | 1075.448 | 0.0       | -91.749  | -90.101 | 0.0       |
| 28    | 14589       | 14590     | SN   | 1    | 48.749          | 49.369 | 0.0       | 0.003         | 213.491 | 2.593     | 1034.104 | 1075.496 | 0.0       | -92.572  | -90.07  | 0.0       |
| 29    | 14590       | 14591     | NS   | 1    | 48.716          | 49.402 | 0.0       | 0.003         | 12.254  | 2.545     | 1038.472 | 1075.432 | 0.0       | -91.742  | -90.103 | 0.0       |
| 30    | 14590       | 14591     | SN   | 1    | 48.773          | 49.37  | 0.0       | 0.003         | 275.761 | 2.67      | 1034.696 | 1075.504 | 0.0       | -91.595  | -90.046 | 0.0       |
| 31    | 14591       | 14592     | NS   | 1    | 48.718          | 49.402 | 0.0       | 0.003         | 267.207 | 2.652     | 1039.392 | 1075.552 | 0.0       | -91.878  | -90.101 | 0.0       |
| 32    | 14591       | 14592     | SN   | 1    | 48.817          | 49.373 | 0.0       | 0.003         | 6.32    | 2.607     | 1035.648 | 1075.68  | 0.0       | -92.36   | -90.059 | 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 | 14591 | 14592 | SN | 2 | 48.817 | 49.373 | 0.0 | 0.003 | 6.32    | 2.607 | 1035.648 | 1075.68  | 0.0 | -92.36  | -90.059 | 0.0 |
| 34 | 14591 | 14592 | NS | 1 | 48.714 | 49.404 | 0.0 | 0.003 | 41.977  | 2.654 | 1039.368 | 1075.584 | 0.0 | -91.803 | -90.1   | 0.0 |
| 35 | 14591 | 14592 | SN | 1 | 48.817 | 49.373 | 0.0 | 0.003 | 6.32    | 1.541 | 1035.648 | 1075.68  | 0.0 | -92.36  | -90.059 | 0.0 |
| 36 | 14592 | 14593 | SN | 1 | 48.757 | 49.372 | 0.0 | 0.003 | 6.326   | 2.547 | 1034.888 | 1075.656 | 0.0 | -91.762 | -90.048 | 0.0 |
| 37 | 14592 | 14593 | NS | 1 | 48.71  | 49.342 | 0.0 | 0.003 | 12.525  | 2.66  | 1038.656 | 1075.576 | 0.0 | -91.761 | -90.084 | 0.0 |
| 38 | 14592 | 14593 | NS | 1 | 48.709 | 49.338 | 0.0 | 0.003 | 12.525  | 2.661 | 1038.776 | 1075.576 | 0.0 | -91.778 | -90.084 | 0.0 |
| 39 | 14592 | 14593 | SN | 2 | 48.757 | 49.372 | 0.0 | 0.003 | 6.326   | 2.547 | 1034.888 | 1075.656 | 0.0 | -91.762 | -90.048 | 0.0 |
| 40 | 14593 | 14594 | SN | 1 | 48.813 | 49.408 | 0.0 | 0.003 | 6.326   | 2.575 | 1035.56  | 1075.512 | 0.0 | -91.78  | -90.074 | 0.0 |
| 41 | 14593 | 14594 | NS | 1 | 48.725 | 49.34  | 0.0 | 0.003 | 207.033 | 2.704 | 1039.032 | 1075.392 | 0.0 | -91.694 | -90.082 | 0.0 |
| 42 | 14593 | 14594 | NS | 1 | 48.726 | 49.338 | 0.0 | 0.003 | 207.033 | 2.705 | 1039.544 | 1075.392 | 0.0 | -91.757 | -90.082 | 0.0 |
| 43 | 14594 | 14595 | NS | 1 | 48.774 | 49.383 | 0.0 | 0.003 | 42.959  | 2.574 | 1038.928 | 1075.472 | 0.0 | -91.655 | -90.102 | 0.0 |
| 44 | 14594 | 14595 | SN | 1 | 48.754 | 49.4   | 0.0 | 0.003 | 6.32    | 2.654 | 1035.56  | 1075.608 | 0.0 | -94.273 | -90.038 | 0.0 |
| 45 | 14594 | 14595 | NS | 1 | 48.774 | 49.383 | 0.0 | 0.003 | 42.959  | 2.524 | 1038.928 | 1075.288 | 0.0 | -91.655 | -90.102 | 0.0 |
| 46 | 14595 | 14596 | SN | 1 | 48.813 | 49.384 | 0.0 | 0.003 | 214.236 | 2.576 | 1035.552 | 1075.664 | 0.0 | -91.76  | -90.049 | 0.0 |
| 47 | 14595 | 14596 | SN | 1 | 48.8   | 49.384 | 0.0 | 0.003 | 214.236 | 2.579 | 1035.552 | 1075.664 | 0.0 | -91.76  | -90.049 | 0.0 |
| 48 | 14595 | 14596 | NS | 1 | 48.711 | 49.39  | 0.0 | 0.0   | 266.75  | 2.649 | 1038.192 | 1075.568 | 0.0 | -91.927 | -90.1   | 0.0 |
| 49 | 14596 | 14597 | NS | 1 | 48.72  | 49.368 | 0.0 | 0.003 | 209.956 | 2.592 | 1038.152 | 1075.544 | 0.0 | -91.777 | -90.099 | 0.0 |
| 50 | 14596 | 14597 | SN | 1 | 48.792 | 49.374 | 0.0 | 0.003 | 215.973 | 2.586 | 1034.736 | 1075.648 | 0.0 | -91.633 | -90.074 | 0.0 |
| 51 | 14596 | 14597 | SN | 1 | 48.792 | 49.374 | 0.0 | 0.003 | 215.973 | 2.583 | 1034.6   | 1075.648 | 0.0 | -91.633 | -90.074 | 0.0 |
| 52 | 14596 | 14597 | NS | 2 | 48.72  | 49.368 | 0.0 | 0.003 | 209.956 | 2.592 | 1038.152 | 1075.544 | 0.0 | -91.777 | -90.099 | 0.0 |
| 53 | 14597 | 14598 | SN | 1 | 48.77  | 49.375 | 0.0 | 0.003 | 6.309   | 1.541 | 1035.68  | 1075.736 | 0.0 | -92.211 | -90.076 | 0.0 |
| 54 | 14597 | 14598 | NS | 2 | 48.716 | 49.379 | 0.0 | 0.003 | 264.781 | 2.647 | 1037.088 | 1075.608 | 0.0 | -91.743 | -90.098 | 0.0 |
| 55 | 14597 | 14598 | NS | 1 | 48.716 | 49.379 | 0.0 | 0.003 | 264.781 | 2.647 | 1037.088 | 1075.608 | 0.0 | -91.743 | -90.098 | 0.0 |
| 56 | 14597 | 14598 | SN | 1 | 48.805 | 49.375 | 0.0 | 0.003 | 6.309   | 2.67  | 1035.68  | 1075.736 | 0.0 | -91.736 | -90.076 | 0.0 |
| 57 | 14598 | 14599 | NS | 1 | 48.711 | 49.404 | 0.0 | 0.003 | 206.978 | 2.657 | 1038.008 | 1075.528 | 0.0 | -91.742 | -90.097 | 0.0 |
| 58 | 14598 | 14599 | SN | 1 | 48.782 | 49.428 | 0.0 | 0.003 | 280.581 | 2.014 | 1035.832 | 1075.656 | 0.0 | -91.824 | -90.055 | 0.0 |
| 59 | 14598 | 14599 | SN | 1 | 48.786 | 49.441 | 0.0 | 0.0   | 280.581 | 2.75  | 1035.832 | 1075.656 | 0.0 | -91.799 | -90.055 | 0.0 |
| 60 | 14598 | 14599 | SN | 1 | 48.786 | 49.441 | 0.0 | 0.003 | 280.581 | 2.012 | 1035.832 | 1075.656 | 0.0 | -91.799 | -90.055 | 0.0 |
| 61 | 14599 | 14600 | NS | 1 | 48.753 | 49.337 | 0.0 | 0.0   | 210.761 | 2.679 | 1038.344 | 1075.496 | 0.0 | -91.776 | -90.087 | 0.0 |
| 62 | 14599 | 14600 | SN | 2 | 48.772 | 49.402 | 0.0 | 0.003 | 213.568 | 2.63  | 1034.76  | 1075.6   | 0.0 | -91.924 | -90.044 | 0.0 |
| 63 | 14599 | 14600 | SN | 1 | 48.772 | 49.402 | 0.0 | 0.003 | 213.568 | 2.63  | 1034.76  | 1075.6   | 0.0 | -91.924 | -90.044 | 0.0 |
| 64 | 14599 | 14600 | NS | 1 | 48.753 | 49.337 | 0.0 | 0.0   | 210.761 | 2.681 | 1038.344 | 1075.496 | 0.0 | -91.776 | -90.087 | 0.0 |
| 65 | 14600 | 14601 | NS | 1 | 48.772 | 49.338 | 0.0 | 0.003 | 12.563  | 2.489 | 1039.424 | 1075.68  | 0.0 | -92.471 | -90.049 | 0.0 |
| 66 | 14600 | 14601 | SN | 1 | 48.758 | 49.373 | 0.0 | 0.003 | 29.491  | 2.379 | 1034.504 | 1075.776 | 0.0 | -91.699 | -90.073 | 0.0 |
| 67 | 14600 | 14601 | SN | 2 | 48.758 | 49.373 | 0.0 | 0.003 | 29.491  | 2.379 | 1034.504 | 1075.776 | 0.0 | -91.699 | -90.073 | 0.0 |
| 68 | 14600 | 14601 | NS | 1 | 48.772 | 49.338 | 0.0 | 0.003 | 12.563  | 2.491 | 1039.424 | 1075.68  | 0.0 | -92.471 | -90.049 | 0.0 |
| 69 | 14600 | 14601 | SN | 1 | 48.758 | 49.373 | 0.0 | 0.003 | 29.491  | 2.526 | 1034.504 | 1075.776 | 0.0 | -91.699 | -90.073 | 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  | 14601 | 14602 | SN | 2 | 48.754 | 49.373 | 0.0 | 0.003 | 28.703  | 2.552 | 1034.504 | 1075.704 | 0.0 | -91.837 | -90.072 | 0.0 |
| 71  | 14601 | 14602 | SN | 1 | 48.754 | 49.373 | 0.0 | 0.003 | 28.703  | 2.321 | 1034.504 | 1075.704 | 0.0 | -91.837 | -90.072 | 0.0 |
| 72  | 14601 | 14602 | SN | 1 | 48.754 | 49.373 | 0.0 | 0.003 | 28.703  | 2.551 | 1034.504 | 1075.704 | 0.0 | -91.837 | -90.072 | 0.0 |
| 73  | 14601 | 14602 | NS | 1 | 48.774 | 49.338 | 0.0 | 0.0   | 210.634 | 2.685 | 1039.528 | 1075.624 | 0.0 | -91.738 | -90.103 | 0.0 |
| 74  | 14601 | 14602 | NS | 1 | 48.774 | 49.338 | 0.0 | 0.0   | 210.634 | 2.683 | 1039.528 | 1075.624 | 0.0 | -91.738 | -90.103 | 0.0 |
| 75  | 14602 | 14603 | NS | 1 | 48.774 | 49.36  | 0.0 | 0.003 | 266.959 | 2.596 | 1039.568 | 1075.504 | 0.0 | -91.803 | -90.069 | 0.0 |
| 76  | 14602 | 14603 | NS | 1 | 48.774 | 49.359 | 0.0 | 0.003 | 266.959 | 2.592 | 1039.576 | 1075.496 | 0.0 | -91.802 | -90.069 | 0.0 |
| 77  | 14602 | 14603 | SN | 1 | 48.797 | 49.372 | 0.0 | 0.003 | 6.315   | 2.166 | 1034.592 | 1075.568 | 0.0 | -91.666 | -90.071 | 0.0 |
| 78  | 14602 | 14603 | SN | 1 | 48.797 | 49.371 | 0.0 | 0.003 | 276.506 | 2.543 | 1034.592 | 1075.568 | 0.0 | -91.684 | -90.072 | 0.0 |
| 79  | 14603 | 14604 | NS | 1 | 48.728 | 49.364 | 0.0 | 0.003 | 18.15   | 2.674 | 1039.536 | 1075.408 | 0.0 | -91.762 | -90.091 | 0.0 |
| 80  | 14603 | 14604 | SN | 1 | 48.779 | 49.37  | 0.0 | 0.003 | 29.072  | 2.57  | 1034.568 | 1075.472 | 0.0 | -92.682 | -90.072 | 0.0 |
| 81  | 14604 | 14605 | NS | 1 | 48.771 | 49.395 | 0.0 | 0.003 | 13.203  | 2.54  | 1039.408 | 1075.304 | 0.0 | -91.795 | -90.103 | 0.0 |
| 82  | 14604 | 14605 | NS | 1 | 48.731 | 49.397 | 0.0 | 0.003 | 207.325 | 2.544 | 1039.296 | 1075.312 | 0.0 | -91.795 | -90.102 | 0.0 |
| 83  | 14604 | 14605 | SN | 1 | 48.752 | 49.372 | 0.0 | 0.003 | 214.252 | 1.763 | 1034.736 | 1075.408 | 0.0 | -91.657 | -90.073 | 0.0 |
| 84  | 14604 | 14605 | SN | 2 | 48.752 | 49.372 | 0.0 | 0.003 | 214.252 | 2.629 | 1034.736 | 1075.408 | 0.0 | -91.657 | -90.073 | 0.0 |
| 85  | 14604 | 14605 | SN | 1 | 48.752 | 49.372 | 0.0 | 0.003 | 214.252 | 2.629 | 1034.736 | 1075.408 | 0.0 | -91.657 | -90.073 | 0.0 |
| 86  | 14605 | 14606 | SN | 2 | 48.798 | 49.384 | 0.0 | 0.003 | 6.315   | 2.673 | 1035.88  | 1075.528 | 0.0 | -91.77  | -90.067 | 0.0 |
| 87  | 14605 | 14606 | SN | 1 | 48.798 | 49.384 | 0.0 | 0.003 | 6.315   | 1.574 | 1035.88  | 1075.528 | 0.0 | -91.77  | -90.067 | 0.0 |
| 88  | 14605 | 14606 | NS | 1 | 48.729 | 49.395 | 0.0 | 0.0   | 41.597  | 2.708 | 1039.168 | 1075.44  | 0.0 | -91.838 | -90.099 | 0.0 |
| 89  | 14605 | 14606 | SN | 1 | 48.798 | 49.384 | 0.0 | 0.003 | 6.315   | 2.674 | 1035.88  | 1075.528 | 0.0 | -91.77  | -90.067 | 0.0 |
| 90  | 14605 | 14606 | NS | 1 | 48.716 | 49.361 | 0.0 | 0.0   | 41.597  | 2.705 | 1039.168 | 1075.44  | 0.0 | -91.795 | -90.099 | 0.0 |
| 91  | 14606 | 14607 | SN | 1 | 48.772 | 49.373 | 0.0 | 0.003 | 281.717 | 2.573 | 1035.752 | 1075.608 | 0.0 | -91.468 | -90.038 | 0.0 |
| 92  | 14606 | 14607 | NS | 1 | 48.71  | 49.401 | 0.0 | 0.003 | 210.645 | 2.629 | 1039.168 | 1075.488 | 0.0 | -91.715 | -90.075 | 0.0 |
| 93  | 14606 | 14607 | NS | 2 | 48.709 | 49.402 | 0.0 | 0.003 | 210.645 | 2.628 | 1039.16  | 1075.488 | 0.0 | -91.715 | -90.075 | 0.0 |
| 94  | 14607 | 14608 | NS | 1 | 48.732 | 49.394 | 0.0 | 0.003 | 19.082  | 2.722 | 1038.544 | 1075.384 | 0.0 | -92.203 | -90.08  | 0.0 |
| 95  | 14607 | 14608 | SN | 1 | 48.759 | 49.374 | 0.0 | 0.003 | 282.478 | 2.551 | 1035.28  | 1075.528 | 0.0 | -92.061 | -90.078 | 0.0 |
| 96  | 14608 | 14609 | NS | 1 | 48.745 | 49.338 | 0.0 | 0.003 | 267.284 | 2.614 | 1038.912 | 1075.288 | 0.0 | -91.801 | -90.1   | 0.0 |
| 97  | 14608 | 14609 | SN | 1 | 48.759 | 49.373 | 0.0 | 0.003 | 6.32    | 2.625 | 1035.928 | 1075.48  | 0.0 | -91.737 | -90.054 | 0.0 |
| 98  | 14609 | 14610 | SN | 1 | 48.794 | 49.431 | 0.0 | 0.003 | 28.201  | 2.603 | 1035.888 | 1075.552 | 0.0 | -91.742 | -90.062 | 0.0 |
| 99  | 14609 | 14610 | SN | 1 | 48.794 | 49.431 | 0.0 | 0.003 | 281.723 | 2.604 | 1035.904 | 1075.552 | 0.0 | -91.773 | -90.062 | 0.0 |
| 100 | 14609 | 14610 | NS | 1 | 48.711 | 49.36  | 0.0 | 0.0   | 43.431  | 2.735 | 1039.12  | 1075.432 | 0.0 | -93.179 | -90.098 | 0.0 |
| 101 | 14609 | 14610 | NS | 1 | 48.711 | 49.36  | 0.0 | 0.0   | 43.431  | 2.55  | 1039.12  | 1074.656 | 0.0 | -93.179 | -90.098 | 0.0 |
| 102 | 14610 | 14611 | NS | 2 | 48.709 | 49.38  | 0.0 | 0.003 | 267.246 | 2.587 | 1038.064 | 1075.456 | 0.0 | -92.1   | -90.097 | 0.0 |
| 103 | 14610 | 14611 | SN | 1 | 48.811 | 49.374 | 0.0 | 0.003 | 215.813 | 2.579 | 1035.904 | 1075.504 | 0.0 | -91.711 | -90.072 | 0.0 |
| 104 | 14610 | 14611 | NS | 1 | 48.709 | 49.38  | 0.0 | 0.003 | 267.246 | 2.577 | 1038.064 | 1075.456 | 0.0 | -92.1   | -90.097 | 0.0 |
| 105 | 14610 | 14611 | SN | 1 | 48.8   | 49.374 | 0.0 | 0.003 | 215.813 | 2.577 | 1035.904 | 1075.504 | 0.0 | -92.456 | -90.072 | 0.0 |
| 106 | 14610 | 14611 | NS | 1 | 48.709 | 49.38  | 0.0 | 0.003 | 267.246 | 1.969 | 1038.064 | 1074.072 | 0.0 | -92.1   | -90.097 | 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 | 14611 | 14612 | SN | 1 | 48.749 | 49.376 | 0.0 | 0.003 | 29.706  | 2.576 | 1035.336 | 1075.6   | 0.0 | -92.202 | -90.078 | 0.0 |
| 108 | 14611 | 14612 | NS | 1 | 48.706 | 49.379 | 0.0 | 0.003 | 41.591  | 1.559 | 1037.992 | 1073.504 | 0.0 | -92.078 | -90.095 | 0.0 |
| 109 | 14611 | 14612 | NS | 2 | 48.706 | 49.379 | 0.0 | 0.003 | 41.591  | 2.639 | 1037.992 | 1075.432 | 0.0 | -92.078 | -90.095 | 0.0 |
| 110 | 14611 | 14612 | NS | 1 | 48.706 | 49.379 | 0.0 | 0.003 | 41.591  | 2.629 | 1037.992 | 1075.44  | 0.0 | -92.078 | -90.095 | 0.0 |
| 111 | 14611 | 14612 | SN | 2 | 48.749 | 49.376 | 0.0 | 0.003 | 29.706  | 2.577 | 1035.336 | 1075.6   | 0.0 | -92.202 | -90.078 | 0.0 |
| 112 | 14612 | 14613 | NS | 1 | 48.714 | 49.403 | 0.0 | 0.0   | 210.397 | 2.617 | 1037.816 | 1075.304 | 0.0 | -91.844 | -90.08  | 0.0 |
| 113 | 14612 | 14613 | SN | 1 | 48.788 | 49.381 | 0.0 | 0.0   | 278.044 | 2.886 | 1035.504 | 1075.632 | 0.0 | -91.77  | -90.08  | 0.0 |
| 114 | 14612 | 14613 | NS | 1 | 48.714 | 49.403 | 0.0 | 0.0   | 210.403 | 2.618 | 1037.816 | 1075.304 | 0.0 | -91.853 | -90.08  | 0.0 |
| 115 | 14612 | 14613 | SN | 1 | 48.757 | 49.422 | 0.0 | 0.0   | 236.742 | 2.727 | 1036.232 | 1075.632 | 0.0 | -91.782 | -90.08  | 0.0 |
| 116 | 14612 | 14613 | NS | 1 | 48.714 | 49.403 | 0.0 | 0.0   | 210.403 | 1.76  | 1037.816 | 1074.336 | 0.0 | -91.832 | -90.08  | 0.0 |
| 117 | 14612 | 14613 | SN | 1 | 48.757 | 49.422 | 0.0 | 0.0   | 236.742 | 1.019 | 1036.232 | 1075.632 | 0.0 | -91.782 | -90.08  | 0.0 |
| 118 | 14612 | 14613 | NS | 1 | 48.714 | 49.403 | 0.0 | 0.003 | 210.403 | 1.556 | 1037.816 | 1071.176 | 0.0 | -91.832 | -90.08  | 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     | 14584       | 14585     | SN   | 1    | -34.541 | 27.716 | 0.214      | -34.803  | 28.434 | 0.301      | -33.237  | 31.033 | 9.737      | -34.193   | 29.331 | 12.615     | 0.116   | 275.769 | 3.341      | 0.116    | 292.942 | 3.089      | 0.116    | 204.301 | 0.294      | 0.116     | 254.526 | 0.259      |
| 2     | 14584       | 14585     | NS   | 1    | -34.75  | 26.982 | 0.023      | -33.994  | 27.246 | 0.031      | -1.725   | 31.24  | 13.228     | 3.854     | 36.383 | 25.305     | 0.116   | 289.317 | 1.745      | 0.116    | 243.096 | 1.608      | 0.116    | 0.245   | 0.0        | 0.116     | 0.149   | 0.0        |
| 3     | 14584       | 14585     | SN   | 1    | -34.167 | 27.716 | 0.226      | -34.803  | 28.434 | 0.318      | -32.966  | 31.033 | 9.723      | -33.87    | 29.331 | 12.601     | 0.116   | 252.983 | 3.531      | 0.116    | 292.942 | 3.243      | 0.116    | 191.945 | 0.293      | 0.116     | 236.293 | 0.258      |
| 4     | 14584       | 14585     | SN   | 1    | -34.139 | 27.716 | 0.214      | -34.803  | 28.434 | 0.301      | -32.966  | 31.033 | 9.725      | -33.87    | 29.331 | 12.601     | 0.116   | 251.439 | 3.34       | 0.116    | 292.942 | 3.071      | 0.116    | 191.945 | 0.293      | 0.116     | 236.293 | 0.258      |
| 5     | 14585       | 14586     | NS   | 2    | -34.357 | 26.52  | 0.026      | -33.599  | 26.782 | 0.024      | -18.44   | 33.969 | 7.734      | -14.13    | 29.701 | 17.75      | 0.116   | 264.354 | 1.268      | 0.116    | 221.985 | 1.027      | 0.116    | 6.855   | 0.014      | 0.116     | 2.598   | 0.005      |
| 6     | 14585       | 14586     | SN   | 1    | -34.948 | 27.885 | 0.062      | -34.125  | 27.893 | 0.079      | -22.891  | 31.432 | 8.592      | -18.392   | 28.993 | 4.23       | 0.116   | 302.883 | 2.709      | 0.116    | 250.606 | 1.908      | 0.116    | 18.942  | 0.01       | 0.116     | 6.78    | 0.004      |
| 7     | 14585       | 14586     | SN   | 1    | -34.948 | 27.885 | 0.063      | -34.461  | 27.893 | 0.081      | -22.932  | 31.431 | 8.592      | -18.406   | 28.993 | 4.23       | 0.116   | 302.883 | 2.774      | 0.116    | 270.747 | 1.95       | 0.116    | 19.124  | 0.01       | 0.116     | 6.802   | 0.004      |
| 8     | 14585       | 14586     | NS   | 1    | -34.357 | 26.52  | 0.026      | -33.599  | 26.782 | 0.024      | -18.44   | 33.969 | 7.734      | -14.13    | 29.701 | 17.75      | 0.116   | 264.354 | 1.268      | 0.116    | 221.985 | 1.026      | 0.116    | 6.855   | 0.014      | 0.116     | 2.598   | 0.005      |
| 9     | 14585       | 14586     | SN   | 1    | -34.948 | 27.885 | 0.063      | -34.125  | 27.893 | 0.081      | -22.891  | 31.432 | 8.592      | -18.392   | 28.993 | 4.23       | 0.116   | 302.883 | 2.769      | 0.116    | 250.606 | 1.947      | 0.116    | 18.942  | 0.01       | 0.116     | 6.78    | 0.004      |
| 10    | 14586       | 14587     | NS   | 1    | -34.348 | 23.275 | 0.002      | -34.003  | 22.478 | 0.003      | -12.569  | 29.95  | 7.561      | -4.466    | 29.972 | 14.601     | 0.116   | 263.747 | 1.009      | 0.116    | 243.665 | 0.769      | 0.116    | 1.841   | 0.002      | 0.116     | 0.367   | 0.0        |
| 11    | 14586       | 14587     | SN   | 2    | -34.727 | 22.976 | 0.006      | -34.922  | 23.341 | 0.029      | 4.91     | 27.371 | 13.441     | 6.246     | 27.698 | 6.255      | 0.116   | 287.839 | 4.014      | 0.116    | 300.992 | 3.37       | 0.116    | 0.141   | 0.0        | 0.116     | 0.134   | 0.0        |
| 12    | 14586       | 14587     | NS   | 1    | -34.348 | 23.275 | 0.002      | -34.003  | 22.481 | 0.003      | -12.569  | 29.95  | 7.558      | -4.466    | 29.972 | 14.568     | 0.116   | 263.747 | 1.008      | 0.116    | 243.665 | 0.769      | 0.116    | 1.841   | 0.002      | 0.116     | 0.367   | 0.0        |
| 13    | 14586       | 14587     | SN   | 1    | -34.727 | 22.976 | 0.006      | -34.922  | 23.341 | 0.029      | 4.91     | 27.371 | 13.441     | 6.246     | 27.698 | 6.255      | 0.116   | 287.839 | 4.014      | 0.116    | 300.992 | 3.37       | 0.116    | 0.141   | 0.0        | 0.116     | 0.134   | 0.0        |
| 14    | 14586       | 14587     | SN   | 1    | -34.727 | 22.976 | 0.006      | -34.922  | 23.341 | 0.03       | 4.91     | 27.371 | 13.442     | 6.246     | 27.698 | 6.261      | 0.116   | 287.839 | 4.087      | 0.116    | 300.992 | 3.421      | 0.116    | 0.141   | 0.0        | 0.116     | 0.134   | 0.0        |
| 15    | 14587       | 14588     | SN   | 2    | -34.642 | 22.993 | 0.005      | -34.284  | 23.485 | 0.044      | 0.386    | 26.951 | 11.127     | 2.847     | 27.162 | 6.934      | 0.116   | 282.255 | 3.812      | 0.116    | 259.997 | 3.448      | 0.116    | 0.192   | 0.0        | 0.116     | 0.158   | 0.0        |
| 16    | 14587       | 14588     | SN   | 1    | -34.642 | 22.993 | 0.005      | -34.284  | 23.485 | 0.045      | 3.97     | 26.951 | 11.139     | 2.85      | 27.162 | 7.035      | 0.116   | 282.255 | 3.907      | 0.116    | 259.997 | 3.512      | 0.116    | 0.148   | 0.0        | 0.116     | 0.158   | 0.0        |
| 17    | 14587       | 14588     | NS   | 1    | -34.866 | 22.158 | 0.005      | -32.216  | 22.534 | 0.003      | -8.765   | 29.772 | 4.827      | -7.933    | 29.939 | 9.909      | 0.116   | 297.194 | 2.567      | 0.116    | 161.51  | 1.982      | 0.116    | 0.822   | 0.0        | 0.116     | 0.695   | 0.0        |
| 18    | 14587       | 14588     | SN   | 1    | -34.642 | 22.993 | 0.005      | -34.284  | 23.485 | 0.044      | 0.386    | 26.951 | 11.127     | 2.847     | 27.162 | 6.934      | 0.116   | 282.255 | 3.812      | 0.116    | 259.997 | 3.448      | 0.116    | 0.192   | 0.0        | 0.116     | 0.158   | 0.0        |
| 19    | 14587       | 14588     | NS   | 1    | -34.866 | 22.158 | 0.005      | -32.216  | 22.535 | 0.003      | -8.765   | 29.772 | 4.826      | -7.933    | 29.939 | 9.889      | 0.116   | 297.194 | 2.571      | 0.116    | 161.51  | 1.984      | 0.116    | 0.822   | 0.0        | 0.116     | 0.695   | 0.0        |
| 20    | 14588       | 14589     | SN   | 1    | -34.897 | 22.894 | 0.011      | -34.756  | 23.744 | 0.008      | 6.054    | 27.673 | 14.034     | 6.903     | 28.375 | 16.662     | 0.116   | 299.338 | 6.668      | 0.116    | 289.746 | 5.827      | 0.116    | 0.135   | 0.0        | 0.116     | 0.132   | 0.0        |
| 21    | 14588       | 14589     | SN   | 1    | -34.897 | 22.894 | 0.01       | -34.756  | 23.744 | 0.008      | 0.288    | 27.673 | 13.684     | 6.903     | 28.375 | 16.227     | 0.116   | 299.338 | 6.457      | 0.116    | 289.746 | 5.647      | 0.116    | 0.194   | 0.0        | 0.116     | 0.132   | 0.0        |
| 22    | 14588       | 14589     | NS   | 1    | -34.837 | 21.697 | 0.0        | -34.649  | 22.474 | 0.005      | -4.543   | 28.621 | 6.99       | -5.199    | 31.256 | 13.122     | 0.116   | 295.166 | 3.698      | 0.116    | 282.721 | 3.316      | 0.116    | 0.372   | 0.0        | 0.116     | 0.416   | 0.0        |
| 23    | 14588       | 14589     | NS   | 1    | -34.837 | 21.697 | 0.0        | -34.649  | 22.474 | 0.005      | -4.543   | 28.621 | 6.99       | -5.199    | 31.256 | 13.132     | 0.116   | 295.166 | 3.686      | 0.116    | 282.721 | 3.312      | 0.116    | 0.372   | 0.0        | 0.116     | 0.416   | 0.0        |
| 24    | 14588       | 14589     | SN   | 2    | -34.897 | 22.894 | 0.01       | -34.756  | 23.744 | 0.008      | 0.288    | 27.673 | 13.684     | 6.903     | 28.375 | 16.227     | 0.116   | 299.338 | 6.457      | 0.116    | 289.746 | 5.647      | 0.116    | 0.194   | 0.0        | 0.116     | 0.132   | 0.0        |
| 25    | 14589       | 14590     | NS   | 1    | -32.61  | 21.536 | 0.0        | -34.67   | 21.876 | 0.0        | -12.447  | 28.389 | 5.526      | -8.409    | 33.514 | 10.572     | 0.116   | 176.844 | 2.16       | 0.116    | 284.078 | 1.807      | 0.116    | 1.792   | 0.005      | 0.116     | 0.764   | 0.0        |
| 26    | 14589       | 14590     | SN   | 1    | -34.966 | 21.567 | 0.0        | -34.94   | 21.886 | 0.0        | -0.516   | 27.175 | 12.855     | -0.393    | 29.15  | 10.913     | 0.116   | 304.21  | 7.745      | 0.116    | 302.332 | 7.679      | 0.116    | 0.212   | 0.0        | 0.116     | 0.209   | 0.0        |
| 27    | 14589       | 14590     | NS   | 1    | -32.61  | 21.538 | 0.0        | -34.67   | 21.876 | 0.0        | -12.447  | 28.389 | 5.524      | -8.409    | 33.514 | 10.574     | 0.116   | 176.844 | 2.156      | 0.116    | 284.078 | 1.804      | 0.116    | 1.792   | 0.005      | 0.116     | 0.764   | 0.0        |
| 28    | 14589       | 14590     | SN   | 1    | -34.615 | 21.567 | 0.0        | -34.846  | 21.886 | 0.0        | -0.586   | 27.175 | 12.03      | -0.39     | 29.15  | 10.785     | 0.116   | 280.492 | 7.459      | 0.116    | 295.805 | 7.354      | 0.116    | 0.213   | 0.0        | 0.116     | 0.208   | 0.0        |
| 29    | 14590       | 14591     | NS   | 1    | -34.566 | 27.538 | 0.069      | -34.767  | 28.016 | 0.161      | 7.636    | 28.153 | 11.744     | 7.76      | 29.014 | 20.761     | 0.116   | 277.387 | 3.427      | 0.116    | 290.548 | 2.893      | 0.116    | 0.129   | 0.0        | 0.116     | 0.129   | 0.0        |
| 30    | 14590       | 14591     | SN   | 1    | -33.234 | 24.568 | 0.034      | -34.807  | 24.259 | 0.025      | -23.279  | 35.608 | 9.687      | -11.601   | 30.809 | 11.537     | 0.116   | 204.12  | 1.485      | 0.116    | 293.216 | 1.657      | 0.116    | 20.709  | 0.007      | 0.116     | 1.492   | 0.002      |
| 31    | 14591       | 14592     | NS   | 1    | -34.846 | 23.221 | 0.029      | -34.405  | 25.336 | 0.059      | -2.882   | 32.521 | 10.565     | 1.782     | 29.215 | 20.784     | 0.116   | 295.852 | 8.034      | 0.116    | 267.257 | 7.58       | 0.116    | 0.287   | 0.0        | 0.116     | 0.17    | 0.0        |
| 32    | 14591       | 14592     | SN   | 1    | -32.739 | 25.138 | 0.027      | -32.864  | 25.114 | 0.028      | -14.141  | 35.192 | 12.219     | -16.927   | 31.598 | 15.412     | 0.116   | 182.144 | 1.262      | 0.116    | 187.499 | 1.173      | 0.116    | 2.604   | 0.004      | 0.116     | 4.865   | 0.005      |
| 33    | 14591       | 14592     | SN   | 2    | -32.739 | 25.138 | 0.027      | -32.864  | 25.114 | 0.028      | -14.141  | 35.192 | 12.219     | -16.927   | 31.598 | 15.412     | 0.116   | 182.144 | 1.262      | 0.116    | 187.499 | 1.173      | 0.116    | 2.604   | 0.004      | 0.116     | 4.865   | 0.005      |

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

- Normal
- Deviations
- Alarming
- High Errors

|    |       |       |    |   |         |        |       |         |        |       |         |        |        |         |        |        |       |         |       |       |         |       |       |         |       |       |         |       |
|----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|
| 34 | 14591 | 14592 | NS | 1 | -34.875 | 23.219 | 0.027 | -34.834 | 25.336 | 0.059 | -2.882  | 32.52  | 10.564 | 1.784   | 29.215 | 20.788 | 0.116 | 297.873 | 8.017 | 0.116 | 295.035 | 7.541 | 0.116 | 0.287   | 0.0   | 0.116 | 0.17    | 0.0   |
| 35 | 14591 | 14592 | SN | 1 | -32.739 | 25.138 | 0.03  | -32.218 | 25.114 | 0.033 | -14.105 | 35.192 | 13.112 | -16.859 | 31.598 | 15.542 | 0.116 | 182.144 | 0.914 | 0.116 | 161.534 | 0.863 | 0.116 | 2.584   | 0.003 | 0.116 | 4.791   | 0.005 |
| 36 | 14592 | 14593 | SN | 1 | -34.827 | 25.484 | 0.054 | -32.513 | 26.219 | 0.053 | -16.075 | 29.118 | 14.381 | -4.251  | 29.955 | 12.863 | 0.116 | 294.523 | 2.033 | 0.116 | 172.9   | 2.053 | 0.116 | 4.015   | 0.005 | 0.116 | 0.355   | 0.0   |
| 37 | 14592 | 14593 | NS | 1 | -34.097 | 27.214 | 0.03  | -34.837 | 23.855 | 0.042 | -24.414 | 28.414 | 14.504 | -16.324 | 29.4   | 28.192 | 0.116 | 248.996 | 5.377 | 0.116 | 295.192 | 5.164 | 0.116 | 26.864  | 0.066 | 0.116 | 4.245   | 0.018 |
| 38 | 14592 | 14593 | NS | 1 | -34.937 | 27.214 | 0.03  | -34.855 | 23.854 | 0.042 | -24.676 | 28.414 | 14.529 | -16.328 | 29.4   | 28.25  | 0.116 | 302.126 | 5.366 | 0.116 | 296.43  | 5.166 | 0.116 | 28.524  | 0.066 | 0.116 | 4.25    | 0.018 |
| 39 | 14592 | 14593 | SN | 2 | -34.827 | 25.484 | 0.054 | -32.513 | 26.219 | 0.053 | -16.075 | 29.118 | 14.381 | -4.251  | 29.955 | 12.863 | 0.116 | 294.523 | 2.033 | 0.116 | 172.9   | 2.053 | 0.116 | 4.015   | 0.005 | 0.116 | 0.355   | 0.0   |
| 40 | 14593 | 14594 | SN | 1 | -34.993 | 26.606 | 0.026 | -34.962 | 28.069 | 0.021 | -14.852 | 29.548 | 15.942 | -12.069 | 29.7   | 15.035 | 0.116 | 305.971 | 1.771 | 0.116 | 303.787 | 1.699 | 0.116 | 3.052   | 0.013 | 0.116 | 1.651   | 0.01  |
| 41 | 14593 | 14594 | NS | 1 | -34.242 | 24.817 | 0.022 | -34.173 | 25.147 | 0.016 | -33.178 | 29.084 | 8.312  | -33.941 | 30.063 | 18.458 | 0.116 | 257.503 | 1.339 | 0.116 | 253.398 | 1.32  | 0.116 | 201.562 | 0.614 | 0.116 | 240.158 | 0.493 |
| 42 | 14593 | 14594 | NS | 1 | -34.397 | 24.827 | 0.022 | -33.43  | 25.156 | 0.016 | -32.129 | 29.084 | 8.319  | -30.109 | 30.065 | 18.47  | 0.116 | 266.823 | 1.321 | 0.116 | 213.596 | 1.32  | 0.116 | 158.292 | 0.615 | 0.116 | 99.442  | 0.489 |
| 43 | 14594 | 14595 | NS | 1 | -34.411 | 21.678 | 0.0   | -34.34  | 21.924 | 0.0   | -30.477 | 27.743 | 14.575 | -21.874 | 29.382 | 24.152 | 0.116 | 267.639 | 1.826 | 0.116 | 263.334 | 1.906 | 0.116 | 108.233 | 0.022 | 0.116 | 15.009  | 0.006 |
| 44 | 14594 | 14595 | SN | 1 | -33.339 | 19.513 | 0.0   | -34.866 | 20.97  | 0.0   | -23.135 | 28.711 | 12.775 | -29.334 | 30.24  | 10.293 | 0.117 | 209.134 | 3.895 | 0.116 | 297.237 | 2.976 | 0.116 | 20.033  | 0.087 | 0.116 | 83.2    | 0.037 |
| 45 | 14594 | 14595 | NS | 1 | -34.411 | 21.678 | 0.0   | -34.34  | 21.924 | 0.0   | -30.477 | 27.743 | 13.829 | -21.874 | 29.382 | 23.381 | 0.116 | 267.639 | 1.826 | 0.116 | 263.334 | 1.906 | 0.116 | 108.233 | 0.023 | 0.116 | 15.009  | 0.006 |
| 46 | 14595 | 14596 | SN | 1 | -34.937 | 24.013 | 0.003 | -33.921 | 24.895 | 0.003 | -3.513  | 28.748 | 14.211 | -3.301  | 28.87  | 15.263 | 0.116 | 302.082 | 4.038 | 0.116 | 239.093 | 3.407 | 0.116 | 0.315   | 0.0   | 0.116 | 0.305   | 0.0   |
| 47 | 14595 | 14596 | SN | 1 | -34.488 | 24.013 | 0.003 | -34.601 | 24.895 | 0.003 | -3.516  | 28.751 | 14.228 | -3.31   | 28.87  | 15.213 | 0.116 | 272.436 | 4.042 | 0.116 | 279.685 | 3.412 | 0.116 | 0.316   | 0.0   | 0.116 | 0.306   | 0.0   |
| 48 | 14595 | 14596 | NS | 1 | -34.442 | 23.832 | 0.013 | -34.993 | 25.284 | 0.014 | -2.626  | 27.678 | 20.148 | -1.095  | 29.068 | 37.118 | 0.116 | 269.609 | 5.132 | 0.116 | 306.057 | 4.705 | 0.116 | 0.276   | 0.0   | 0.116 | 0.226   | 0.0   |
| 49 | 14596 | 14597 | NS | 1 | -34.882 | 25.766 | 0.011 | -34.988 | 24.172 | 0.004 | 5.299   | 28.53  | 22.891 | 0.621   | 28.98  | 35.96  | 0.116 | 298.303 | 7.916 | 0.116 | 305.708 | 7.131 | 0.116 | 0.139   | 0.0   | 0.116 | 0.188   | 0.0   |
| 50 | 14596 | 14597 | SN | 1 | -34.993 | 19.465 | 0.0   | -34.812 | 19.376 | 0.0   | -7.365  | 28.44  | 28.637 | -6.195  | 28.846 | 34.716 | 0.117 | 305.985 | 5.261 | 0.117 | 293.474 | 4.131 | 0.116 | 0.622   | 0.0   | 0.116 | 0.498   | 0.0   |
| 51 | 14596 | 14597 | SN | 1 | -34.71  | 19.465 | 0.0   | -34.821 | 19.376 | 0.0   | -7.365  | 28.44  | 28.637 | -6.192  | 28.846 | 34.713 | 0.117 | 286.655 | 5.258 | 0.117 | 294.194 | 4.131 | 0.116 | 0.622   | 0.0   | 0.116 | 0.498   | 0.0   |
| 52 | 14596 | 14597 | NS | 2 | -34.882 | 25.766 | 0.011 | -34.988 | 24.172 | 0.004 | 5.299   | 28.53  | 22.891 | 0.621   | 28.98  | 35.96  | 0.116 | 298.303 | 7.916 | 0.116 | 305.708 | 7.131 | 0.116 | 0.139   | 0.0   | 0.116 | 0.188   | 0.0   |
| 53 | 14597 | 14598 | SN | 1 | -34.994 | 19.752 | 0.0   | -34.516 | 19.776 | 0.0   | 3.749   | 28.57  | 24.003 | 6.246   | 29.342 | 24.28  | 0.116 | 306.063 | 5.738 | 0.116 | 274.265 | 4.719 | 0.116 | 0.149   | 0.0   | 0.116 | 0.134   | 0.0   |
| 54 | 14597 | 14598 | NS | 2 | -34.925 | 25.272 | 0.028 | -35.001 | 25.138 | 0.03  | 6.801   | 33.668 | 17.871 | 7.333   | 29.4   | 28.193 | 0.116 | 301.302 | 6.118 | 0.116 | 306.5   | 5.479 | 0.116 | 0.132   | 0.0   | 0.116 | 0.13    | 0.0   |
| 55 | 14597 | 14598 | NS | 1 | -34.925 | 25.272 | 0.028 | -35.001 | 25.138 | 0.03  | 6.801   | 33.668 | 17.871 | 7.333   | 29.4   | 28.193 | 0.116 | 301.302 | 6.118 | 0.116 | 306.5   | 5.479 | 0.116 | 0.132   | 0.0   | 0.116 | 0.13    | 0.0   |
| 56 | 14597 | 14598 | SN | 1 | -34.558 | 19.752 | 0.0   | -34.269 | 19.776 | 0.0   | 3.721   | 28.57  | 23.038 | 5.224   | 29.342 | 24.365 | 0.116 | 276.886 | 5.617 | 0.116 | 259.061 | 4.421 | 0.116 | 0.15    | 0.0   | 0.116 | 0.139   | 0.0   |
| 57 | 14598 | 14599 | NS | 1 | -34.318 | 25.045 | 0.032 | -34.496 | 25.75  | 0.045 | -1.066  | 29.208 | 11.587 | 1.445   | 29.311 | 20.419 | 0.116 | 261.965 | 3.935 | 0.116 | 272.956 | 3.12  | 0.116 | 0.225   | 0.0   | 0.116 | 0.175   | 0.0   |
| 58 | 14598 | 14599 | SN | 1 | -34.543 | 26.565 | 0.253 | -34.931 | 26.316 | 0.382 | -34.012 | 28.391 | 8.581  | -21.898 | 31.748 | 10.135 | 0.116 | 275.836 | 5.218 | 0.116 | 301.687 | 5.083 | 0.116 | 244.144 | 0.095 | 0.116 | 15.088  | 0.087 |
| 59 | 14598 | 14599 | SN | 1 | -34.631 | 26.567 | 0.241 | -34.885 | 26.316 | 0.342 | -29.475 | 28.391 | 8.51   | -21.941 | 31.748 | 10.134 | 0.116 | 281.527 | 4.934 | 0.116 | 298.459 | 4.563 | 0.116 | 85.952  | 0.092 | 0.116 | 15.237  | 0.087 |
| 60 | 14598 | 14599 | SN | 1 | -34.631 | 26.567 | 0.254 | -34.885 | 26.316 | 0.381 | -29.475 | 28.391 | 8.58   | -21.941 | 31.748 | 10.135 | 0.116 | 281.527 | 5.212 | 0.116 | 298.459 | 5.079 | 0.116 | 85.952  | 0.092 | 0.116 | 15.237  | 0.087 |
| 61 | 14599 | 14600 | NS | 1 | -34.832 | 26.306 | 0.033 | -34.286 | 27.879 | 0.035 | -21.885 | 31.748 | 10.097 | -28.822 | 34.916 | 22.998 | 0.116 | 294.847 | 1.379 | 0.116 | 260.031 | 1.15  | 0.116 | 15.045  | 0.039 | 0.116 | 73.969  | 0.025 |
| 62 | 14599 | 14600 | SN | 2 | -33.229 | 27.274 | 0.129 | -33.498 | 27.958 | 0.187 | -22.843 | 32.76  | 9.634  | -16.825 | 31.59  | 6.215  | 0.116 | 203.942 | 2.328 | 0.116 | 216.906 | 2.037 | 0.116 | 18.734  | 0.064 | 0.116 | 5.001   | 0.043 |
| 63 | 14599 | 14600 | SN | 1 | -33.229 | 27.274 | 0.129 | -33.498 | 27.958 | 0.187 | -22.843 | 32.76  | 9.634  | -16.825 | 31.59  | 6.215  | 0.116 | 203.942 | 2.328 | 0.116 | 216.906 | 2.037 | 0.116 | 18.734  | 0.064 | 0.116 | 5.001   | 0.043 |
| 64 | 14599 | 14600 | NS | 1 | -34.832 | 26.306 | 0.033 | -34.451 | 27.879 | 0.028 | -21.885 | 31.748 | 10.097 | -28.822 | 34.916 | 22.994 | 0.116 | 294.847 | 1.381 | 0.116 | 270.108 | 1.152 | 0.116 | 15.045  | 0.039 | 0.116 | 73.969  | 0.025 |
| 65 | 14600 | 14601 | NS | 1 | -34.888 | 24.185 | 0.006 | -34.666 | 23.609 | 0.007 | -5.606  | 29.222 | 7.859  | -5.471  | 30.125 | 15.7   | 0.116 | 298.721 | 3.316 | 0.116 | 283.851 | 2.637 | 0.116 | 0.447   | 0.0   | 0.116 | 0.437   | 0.0   |
| 66 | 14600 | 14601 | SN | 1 | -34.52  | 23.247 | 0.007 | -34.578 | 23.014 | 0.01  | 5.953   | 31.004 | 10.676 | 6.704   | 29.989 | 5.402  | 0.116 | 274.376 | 2.655 | 0.116 | 278.114 | 1.709 | 0.116 | 0.136   | 0.0   | 0.116 | 0.132   | 0.0   |
| 67 | 14600 | 14601 | SN | 2 | -34.52  | 23.247 | 0.007 | -34.578 | 23.014 | 0.01  | 5.953   | 31.004 | 10.676 | 6.704   | 29.989 | 5.402  | 0.116 | 274.376 | 2.655 | 0.116 | 278.114 | 1.71  | 0.116 | 0.136   | 0.0   | 0.116 | 0.132   | 0.0   |
| 68 | 14600 | 14601 | NS | 1 | -34.888 | 24.186 | 0.006 | -34.666 | 23.609 | 0.007 | -5.606  | 29.222 | 7.859  | -5.471  | 30.127 | 15.699 | 0.116 | 298.721 | 3.322 | 0.116 | 283.851 | 2.641 | 0.116 | 0.447   | 0.0   | 0.116 | 0.437   | 0.0   |
| 69 | 14600 | 14601 | SN | 1 | -34.52  | 23.247 | 0.007 | -34.578 | 23.014 | 0.01  | 5.953   | 31.004 | 10.676 | 6.704   | 29.989 | 5.402  | 0.116 | 274.376 | 2.608 | 0.116 | 278.114 | 1.697 | 0.116 | 0.136   | 0.0   | 0.116 | 0.132   | 0.0   |
| 70 | 14601 | 14602 | SN | 2 | -34.591 | 23.278 | 0.006 | -34.984 | 24.01  | 0.028 | -0.396  | 27.33  | 10.587 | 1.184   | 27.911 | 3.239  | 0.116 | 278.966 | 4.209 | 0.116 | 305.308 | 3.956 | 0.116 | 0.209   | 0.0   | 0.116 | 0.179   | 0.0   |
| 71 | 14601 | 14602 | SN | 1 | -34.591 | 23.278 | 0.006 | -34.984 | 24.01  | 0.029 | 6.071   | 27.33  | 10.612 | 1.055   | 27.911 | 3.244  | 0.116 | 278.966 | 4.287 | 0.116 | 305.308 | 3.963 | 0.116 | 0.135   | 0.0   | 0.116 | 0.181   | 0.0   |
| 72 | 14601 | 14602 | SN | 1 | -34.591 | 23.278 | 0.006 | -34.984 | 24.01  | 0.028 | -0.396  | 27.33  | 10.587 | 1.184   | 27.911 | 3.239  | 0.116 | 278.966 | 4.209 | 0.116 | 305.308 | 3.956 | 0.116 | 0.209   | 0.0   | 0.116 | 0.179   | 0.0   |

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

- Normal
- Deviations
- Alarming
- High Errors



|     |       |       |    |   |         |        |       |         |        |       |         |        |        |         |        |        |       |         |       |       |         |       |       |        |       |       |        |       |
|-----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 73  | 14601 | 14602 | NS | 1 | -34.484 | 22.687 | 0.002 | -34.801 | 24.373 | 0.009 | -5.29   | 29.177 | 6.943  | -7.628  | 28.993 | 13.868 | 0.116 | 272.159 | 1.73  | 0.116 | 292.79  | 1.554 | 0.116 | 0.423  | 0.0   | 0.116 | 0.654  | 0.0   |
| 74  | 14601 | 14602 | NS | 1 | -34.484 | 22.687 | 0.002 | -34.801 | 24.375 | 0.009 | -5.29   | 29.177 | 6.943  | -7.628  | 28.993 | 13.867 | 0.116 | 272.159 | 1.727 | 0.116 | 292.79  | 1.557 | 0.116 | 0.423  | 0.0   | 0.116 | 0.654  | 0.0   |
| 75  | 14602 | 14603 | NS | 1 | -32.677 | 21.968 | 0.0   | -34.892 | 22.296 | 0.005 | -18.178 | 28.629 | 5.321  | -21.791 | 31.654 | 9.722  | 0.116 | 179.575 | 3.153 | 0.116 | 298.965 | 2.969 | 0.116 | 6.46   | 0.009 | 0.116 | 14.726 | 0.015 |
| 76  | 14602 | 14603 | NS | 1 | -34.832 | 21.968 | 0.0   | -34.858 | 22.296 | 0.005 | -18.185 | 28.629 | 5.312  | -22.04  | 31.654 | 9.714  | 0.116 | 294.882 | 3.153 | 0.116 | 296.7   | 2.964 | 0.116 | 6.47   | 0.009 | 0.116 | 15.589 | 0.015 |
| 77  | 14602 | 14603 | SN | 1 | -34.988 | 22.665 | 0.006 | -34.812 | 24.294 | 0.056 | 5.918   | 28.098 | 15.39  | 2.751   | 27.672 | 16.733 | 0.116 | 305.712 | 4.452 | 0.116 | 293.488 | 3.94  | 0.116 | 0.136  | 0.0   | 0.116 | 0.159  | 0.0   |
| 78  | 14602 | 14603 | SN | 1 | -34.988 | 22.665 | 0.006 | -34.812 | 24.294 | 0.054 | 0.748   | 28.098 | 15.271 | 2.772   | 27.672 | 16.126 | 0.116 | 305.712 | 4.448 | 0.116 | 293.488 | 3.851 | 0.116 | 0.186  | 0.0   | 0.116 | 0.158  | 0.0   |
| 79  | 14603 | 14604 | NS | 1 | -33.737 | 20.982 | 0.0   | -34.789 | 22.668 | 0.004 | -13.505 | 27.944 | 4.912  | -18.854 | 29.839 | 10.116 | 0.116 | 229.145 | 2.265 | 0.116 | 291.918 | 2.025 | 0.116 | 2.262  | 0.016 | 0.116 | 7.532  | 0.005 |
| 80  | 14603 | 14604 | SN | 1 | -34.855 | 21.298 | 0.0   | -34.838 | 21.533 | 0.0   | 0.016   | 27.357 | 13.954 | 6.12    | 28.406 | 15.483 | 0.116 | 296.506 | 9.41  | 0.116 | 295.27  | 8.775 | 0.116 | 0.2    | 0.0   | 0.116 | 0.135  | 0.0   |
| 81  | 14604 | 14605 | NS | 1 | -33.941 | 27.198 | 0.139 | -34.792 | 27.187 | 0.234 | -8.678  | 29.019 | 9.045  | -7.102  | 29.146 | 14.022 | 0.116 | 240.17  | 1.596 | 0.116 | 292.158 | 1.566 | 0.116 | 0.807  | 0.0   | 0.116 | 0.591  | 0.0   |
| 82  | 14604 | 14605 | NS | 1 | -34.75  | 27.197 | 0.139 | -33.814 | 27.187 | 0.235 | -8.686  | 29.019 | 9.052  | -7.105  | 29.146 | 14.036 | 0.116 | 289.323 | 1.594 | 0.116 | 233.309 | 1.565 | 0.116 | 0.808  | 0.0   | 0.116 | 0.591  | 0.0   |
| 83  | 14604 | 14605 | SN | 1 | -34.888 | 22.132 | 0.001 | -34.957 | 22.02  | 0.001 | -2.681  | 28.459 | 11.451 | 1.838   | 29.56  | 11.893 | 0.116 | 298.701 | 4.309 | 0.116 | 303.504 | 4.664 | 0.116 | 0.279  | 0.0   | 0.116 | 0.169  | 0.0   |
| 84  | 14604 | 14605 | SN | 2 | -34.888 | 22.132 | 0.001 | -34.957 | 22.02  | 0.001 | -2.681  | 28.459 | 10.766 | 1.838   | 29.56  | 11.843 | 0.116 | 298.701 | 4.329 | 0.116 | 303.504 | 4.557 | 0.116 | 0.279  | 0.0   | 0.116 | 0.169  | 0.0   |
| 85  | 14604 | 14605 | SN | 1 | -34.888 | 22.132 | 0.001 | -34.957 | 22.02  | 0.001 | -2.681  | 28.459 | 10.766 | 1.838   | 29.56  | 11.843 | 0.116 | 298.701 | 4.329 | 0.116 | 303.504 | 4.557 | 0.116 | 0.279  | 0.0   | 0.116 | 0.169  | 0.0   |
| 86  | 14605 | 14606 | SN | 2 | -34.795 | 24.155 | 0.006 | -31.32  | 24.253 | 0.009 | -16.915 | 34.257 | 10.784 | -17.003 | 32.76  | 12.777 | 0.116 | 292.362 | 1.775 | 0.116 | 131.432 | 1.735 | 0.116 | 4.852  | 0.009 | 0.116 | 4.948  | 0.005 |
| 87  | 14605 | 14606 | SN | 1 | -34.795 | 24.155 | 0.007 | -31.32  | 24.253 | 0.01  | -16.941 | 34.257 | 11.471 | -17.003 | 32.76  | 12.822 | 0.116 | 292.362 | 1.813 | 0.116 | 131.432 | 2.011 | 0.116 | 4.88   | 0.01  | 0.116 | 4.948  | 0.005 |
| 88  | 14605 | 14606 | NS | 1 | -34.857 | 26.855 | 0.106 | -34.885 | 27.492 | 0.196 | 6.193   | 32.121 | 7.766  | 6.84    | 28.671 | 14.378 | 0.116 | 296.518 | 4.481 | 0.116 | 298.468 | 3.55  | 0.116 | 0.134  | 0.0   | 0.116 | 0.132  | 0.0   |
| 89  | 14605 | 14606 | SN | 1 | -34.795 | 24.155 | 0.006 | -31.32  | 24.253 | 0.009 | -16.915 | 34.257 | 10.784 | -17.003 | 32.76  | 12.777 | 0.116 | 292.362 | 1.775 | 0.116 | 131.432 | 1.735 | 0.116 | 4.852  | 0.009 | 0.116 | 4.948  | 0.005 |
| 90  | 14605 | 14606 | NS | 1 | -34.868 | 26.855 | 0.106 | -34.82  | 27.494 | 0.195 | 6.193   | 32.121 | 7.766  | 6.838   | 28.671 | 14.381 | 0.116 | 297.267 | 4.474 | 0.116 | 294.028 | 3.563 | 0.116 | 0.134  | 0.0   | 0.116 | 0.132  | 0.0   |
| 91  | 14606 | 14607 | SN | 1 | -34.693 | 25.19  | 0.039 | -34.77  | 26.046 | 0.034 | -8.143  | 29.692 | 14.626 | -5.704  | 29.559 | 15.927 | 0.116 | 285.561 | 0.923 | 0.116 | 290.692 | 0.881 | 0.116 | 0.725  | 0.0   | 0.116 | 0.455  | 0.0   |
| 92  | 14606 | 14607 | NS | 1 | -34.252 | 23.061 | 0.009 | -34.405 | 23.583 | 0.046 | -7.958  | 28.453 | 13.839 | -1.536  | 29.926 | 28.978 | 0.116 | 258.037 | 6.549 | 0.116 | 267.23  | 5.827 | 0.116 | 0.698  | 0.0   | 0.116 | 0.239  | 0.0   |
| 93  | 14606 | 14607 | NS | 2 | -34.252 | 23.061 | 0.009 | -34.405 | 23.583 | 0.046 | -7.958  | 28.453 | 13.84  | -1.534  | 29.926 | 28.98  | 0.116 | 258.037 | 6.548 | 0.116 | 267.23  | 5.827 | 0.116 | 0.698  | 0.0   | 0.116 | 0.239  | 0.0   |
| 94  | 14607 | 14608 | NS | 1 | -34.81  | 26.887 | 0.048 | -34.543 | 25.592 | 0.064 | -29.206 | 28.28  | 6.976  | -27.734 | 29.593 | 19.189 | 0.116 | 293.405 | 3.938 | 0.116 | 275.925 | 3.379 | 0.116 | 80.788 | 0.298 | 0.116 | 57.593 | 0.256 |
| 95  | 14607 | 14608 | SN | 1 | -34.943 | 26.504 | 0.085 | -34.643 | 26.74  | 0.091 | -10.959 | 31.035 | 14.167 | -7.47   | 30.042 | 12.295 | 0.116 | 302.494 | 3.718 | 0.116 | 282.335 | 3.219 | 0.116 | 1.3    | 0.002 | 0.116 | 0.634  | 0.0   |
| 96  | 14608 | 14609 | NS | 1 | -34.852 | 24.995 | 0.004 | -34.611 | 23.526 | 0.007 | -7.444  | 30.693 | 10.96  | -2.074  | 35.601 | 20.098 | 0.116 | 296.266 | 1.721 | 0.116 | 300.173 | 1.499 | 0.116 | 0.631  | 0.0   | 0.116 | 0.256  | 0.0   |
| 97  | 14608 | 14609 | SN | 1 | -34.569 | 26.386 | 0.019 | -34.96  | 28.29  | 0.021 | -19.865 | 29.488 | 15.295 | -19.71  | 29.825 | 14.387 | 0.116 | 277.531 | 3.282 | 0.116 | 303.75  | 2.732 | 0.116 | 9.483  | 0.03  | 0.116 | 9.154  | 0.018 |
| 98  | 14609 | 14610 | SN | 1 | -34.954 | 23.716 | 0.006 | -34.468 | 24.29  | 0.007 | -11.922 | 29.352 | 12.248 | -9.453  | 30.106 | 12.303 | 0.116 | 303.275 | 4.35  | 0.116 | 285.202 | 2.823 | 0.116 | 1.599  | 0.001 | 0.116 | 0.946  | 0.0   |
| 99  | 14609 | 14610 | SN | 1 | -34.929 | 23.716 | 0.006 | -33.529 | 24.29  | 0.007 | -11.904 | 29.352 | 12.265 | -9.474  | 30.106 | 12.324 | 0.116 | 301.547 | 4.345 | 0.116 | 218.507 | 2.82  | 0.116 | 1.593  | 0.001 | 0.116 | 0.95   | 0.0   |
| 100 | 14609 | 14610 | NS | 1 | -34.674 | 21.538 | 0.0   | -34.816 | 23.909 | 0.003 | -22.227 | 28.236 | 19.029 | -9.172  | 29.243 | 34.349 | 0.116 | 284.323 | 2.216 | 0.116 | 293.825 | 2.295 | 0.116 | 16.268 | 0.014 | 0.116 | 0.893  | 0.0   |
| 101 | 14609 | 14610 | NS | 1 | -34.674 | 21.538 | 0.0   | -34.816 | 23.909 | 0.003 | -22.227 | 28.236 | 14.67  | -9.172  | 29.24  | 31.171 | 0.116 | 284.323 | 2.216 | 0.116 | 293.825 | 2.295 | 0.116 | 16.268 | 0.015 | 0.116 | 0.893  | 0.0   |
| 102 | 14610 | 14611 | NS | 2 | -34.861 | 22.071 | 0.001 | -34.608 | 21.977 | 0.0   | 6.157   | 27.964 | 18.923 | 9.668   | 29.129 | 34.215 | 0.116 | 296.9   | 7.114 | 0.116 | 280.055 | 6.826 | 0.116 | 0.135  | 0.0   | 0.116 | 0.124  | 0.0   |
| 103 | 14610 | 14611 | SN | 1 | -34.738 | 23.632 | 0.003 | -34.414 | 23.897 | 0.003 | -12.093 | 28.55  | 19.732 | -8.988  | 29.154 | 20.923 | 0.116 | 288.502 | 1.732 | 0.116 | 267.834 | 1.003 | 0.116 | 1.66   | 0.002 | 0.116 | 0.86   | 0.0   |
| 104 | 14610 | 14611 | NS | 1 | -34.861 | 22.071 | 0.001 | -34.608 | 21.977 | 0.0   | 6.157   | 27.964 | 18.826 | 9.668   | 29.129 | 34.066 | 0.116 | 296.9   | 7.119 | 0.116 | 280.055 | 6.809 | 0.116 | 0.135  | 0.0   | 0.116 | 0.124  | 0.0   |
| 105 | 14610 | 14611 | SN | 1 | -34.456 | 23.632 | 0.003 | -34.034 | 23.897 | 0.003 | -11.499 | 28.55  | 19.734 | -8.991  | 29.154 | 20.923 | 0.116 | 270.407 | 1.728 | 0.116 | 245.347 | 1.001 | 0.116 | 1.535  | 0.002 | 0.116 | 0.86   | 0.0   |
| 106 | 14610 | 14611 | NS | 1 | -34.861 | 22.071 | 0.001 | -34.608 | 21.977 | 0.0   | 6.157   | 27.791 | 5.279  | 9.668   | 29.124 | 28.134 | 0.116 | 296.9   | 7.119 | 0.116 | 280.055 | 6.826 | 0.116 | 0.135  | 0.0   | 0.116 | 0.124  | 0.0   |
| 107 | 14611 | 14612 | SN | 1 | -34.666 | 18.963 | 0.0   | -34.953 | 17.989 | 0.0   | 0.826   | 28.555 | 33.115 | 2.574   | 28.943 | 41.887 | 0.117 | 283.838 | 3.338 | 0.117 | 303.16  | 3.119 | 0.116 | 0.185  | 0.0   | 0.116 | 0.161  | 0.0   |
| 108 | 14611 | 14612 | NS | 1 | -34.803 | 22.57  | 0.001 | -34.878 | 24.871 | 0.005 | 7.011   | 23.405 | 0.304  | 8.489   | 29.034 | 13.629 | 0.116 | 292.868 | 7.324 | 0.116 | 298.069 | 7.671 | 0.116 | 0.131  | 0.0   | 0.116 | 0.127  | 0.0   |
| 109 | 14611 | 14612 | NS | 2 | -34.803 | 23.922 | 0.009 | -34.878 | 24.871 | 0.006 | 7.011   | 28.796 | 25.505 | 8.489   | 29.11  | 38.029 | 0.116 | 292.868 | 7.315 | 0.116 | 298.069 | 7.67  | 0.116 | 0.131  | 0.0   | 0.116 | 0.127  | 0.0   |
| 110 | 14611 | 14612 | NS | 1 | -34.803 | 23.922 | 0.009 | -34.878 | 24.871 | 0.006 | 7.011   | 28.796 | 25.415 | 8.489   | 29.11  | 37.934 | 0.116 | 292.868 | 7.312 | 0.116 | 298.069 | 7.67  | 0.116 | 0.131  | 0.0   | 0.116 | 0.127  | 0.0   |
| 111 | 14611 | 14612 | SN | 2 | -34.666 | 18.963 | 0.0   | -34.953 | 17.989 | 0.0   | 0.826   | 28.555 | 33.115 | 2.574   | 28.943 | 41.887 | 0.117 | 283.838 | 3.337 | 0.117 | 303.16  | 3.119 | 0.116 | 0.185  | 0.0   | 0.116 | 0.161  | 0.0   |

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

- Normal
- Deviations
- Alarming
- High Errors

|     |       |       |    |   |         |        |       |         |        |       |        |        |        |        |        |        |       |         |       |       |         |       |       |       |     |       |       |     |
|-----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|--------|--------|--------|--------|--------|--------|-------|---------|-------|-------|---------|-------|-------|-------|-----|-------|-------|-----|
| 112 | 14612 | 14613 | NS | 1 | -34.581 | 24.854 | 0.023 | -34.99  | 24.944 | 0.026 | -7.343 | 28.663 | 14.116 | -9.186 | 29.249 | 24.038 | 0.116 | 278.362 | 5.845 | 0.116 | 305.821 | 5.095 | 0.116 | 0.619 | 0.0 | 0.116 | 0.895 | 0.0 |
| 113 | 14612 | 14613 | SN | 1 | -34.682 | 23.267 | 0.018 | -34.804 | 23.807 | 0.031 | 3.172  | 28.575 | 12.449 | 5.891  | 29.692 | 11.484 | 0.116 | 284.857 | 5.203 | 0.116 | 292.993 | 4.455 | 0.116 | 0.154 | 0.0 | 0.116 | 0.136 | 0.0 |
| 114 | 14612 | 14613 | NS | 1 | -34.906 | 24.854 | 0.023 | -34.99  | 24.944 | 0.026 | -7.339 | 28.663 | 14.138 | -9.142 | 29.249 | 24.111 | 0.116 | 299.99  | 5.849 | 0.116 | 305.821 | 5.095 | 0.116 | 0.618 | 0.0 | 0.116 | 0.888 | 0.0 |
| 115 | 14612 | 14613 | SN | 1 | -33.178 | 21.711 | 0.0   | -34.051 | 19.738 | 0.0   | 3.19   | 28.166 | 1.964  | 5.891  | 28.932 | 5.775  | 0.116 | 201.525 | 4.185 | 0.116 | 246.334 | 2.737 | 0.116 | 0.154 | 0.0 | 0.116 | 0.136 | 0.0 |
| 116 | 14612 | 14613 | NS | 1 | -34.906 | 20.238 | 0.0   | -34.99  | 24.936 | 0.021 | -7.339 | 28.097 | 5.849  | -9.142 | 27.388 | 9.581  | 0.116 | 299.99  | 6.174 | 0.116 | 305.821 | 5.123 | 0.116 | 0.618 | 0.0 | 0.116 | 0.888 | 0.0 |
| 117 | 14612 | 14613 | SN | 1 | -34.453 | 21.711 | 0.0   | -34.205 | 19.738 | 0.0   | 5.607  | 28.166 | 2.094  | 5.916  | 28.932 | 5.895  | 0.116 | 270.221 | 4.022 | 0.116 | 255.272 | 3.112 | 0.116 | 0.137 | 0.0 | 0.116 | 0.136 | 0.0 |
| 118 | 14612 | 14613 | NS | 1 | -34.906 | 20.238 | 0.0   | -34.99  | 24.936 | 0.021 | -7.339 | 24.314 | 4.08   | -9.142 | 26.497 | 6.877  | 0.116 | 299.99  | 5.994 | 0.116 | 305.821 | 5.024 | 0.116 | 0.618 | 0.0 | 0.116 | 0.888 | 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     | 14584       | 14585     | SN   | 1    | 57.577          | 58.206 | 0.0       | 0.0           | 292.637 | 4.005     | 1212.96  | 1263.528 | 0.0       | -93.148  | -92.064 | 0.0       |
| 2     | 14584       | 14585     | NS   | 1    | 57.527          | 58.172 | 0.0       | 0.0           | 299.784 | 3.834     | 1217.44  | 1263.248 | 0.0       | -93.181  | -92.124 | 0.0       |
| 3     | 14584       | 14585     | SN   | 1    | 57.577          | 58.206 | 0.0       | 0.003         | 287.635 | 3.558     | 1212.96  | 1263.528 | 0.0       | -93.148  | -92.064 | 0.0       |
| 4     | 14584       | 14585     | SN   | 1    | 57.577          | 58.206 | 0.0       | 0.0           | 292.637 | 4.01      | 1212.96  | 1263.528 | 0.0       | -93.148  | -92.064 | 0.0       |
| 5     | 14585       | 14586     | NS   | 2    | 57.558          | 58.151 | 0.0       | 0.0           | 297.038 | 3.734     | 1217.632 | 1263.488 | 0.0       | -93.114  | -92.113 | 0.0       |
| 6     | 14585       | 14586     | SN   | 1    | 57.577          | 58.215 | 0.0       | 0.0           | 289.587 | 3.758     | 1212.696 | 1263.736 | 0.0       | -93.133  | -92.096 | 0.0       |
| 7     | 14585       | 14586     | SN   | 1    | 57.582          | 58.215 | 0.0       | 0.0           | 289.554 | 3.367     | 1212.48  | 1263.736 | 0.0       | -93.133  | -92.096 | 0.0       |
| 8     | 14585       | 14586     | NS   | 1    | 57.558          | 58.151 | 0.0       | 0.0           | 297.038 | 3.735     | 1217.632 | 1263.488 | 0.0       | -93.114  | -92.113 | 0.0       |
| 9     | 14585       | 14586     | SN   | 1    | 57.577          | 58.215 | 0.0       | 0.0           | 289.554 | 3.364     | 1212.696 | 1263.736 | 0.0       | -93.133  | -92.096 | 0.0       |
| 10    | 14586       | 14587     | NS   | 1    | 57.56           | 58.15  | 0.0       | 0.0           | 297.964 | 3.559     | 1218.312 | 1263.576 | 0.0       | -93.195  | -92.113 | 0.0       |
| 11    | 14586       | 14587     | SN   | 2    | 57.586          | 58.225 | 0.0       | 0.0           | 286.857 | 3.712     | 1212.464 | 1263.792 | 0.0       | -93.109  | -92.108 | 0.0       |
| 12    | 14586       | 14587     | NS   | 1    | 57.56           | 58.15  | 0.0       | 0.0           | 297.964 | 3.563     | 1218.312 | 1263.576 | 0.0       | -93.195  | -92.113 | 0.0       |
| 13    | 14586       | 14587     | SN   | 1    | 57.586          | 58.225 | 0.0       | 0.0           | 286.857 | 3.712     | 1212.464 | 1263.792 | 0.0       | -93.109  | -92.108 | 0.0       |
| 14    | 14586       | 14587     | SN   | 1    | 57.586          | 58.225 | 0.0       | 0.0           | 286.857 | 3.321     | 1212.464 | 1263.792 | 0.0       | -93.109  | -92.108 | 0.0       |
| 15    | 14587       | 14588     | SN   | 2    | 57.572          | 58.205 | 0.0       | 0.0           | 299.85  | 3.711     | 1212.056 | 1263.664 | 0.0       | -93.093  | -92.088 | 0.0       |
| 16    | 14587       | 14588     | SN   | 1    | 57.572          | 58.205 | 0.0       | 0.0           | 299.85  | 3.281     | 1212.056 | 1263.664 | 0.0       | -93.093  | -92.088 | 0.0       |
| 17    | 14587       | 14588     | NS   | 1    | 57.543          | 58.153 | 0.0       | 0.0           | 299.575 | 3.831     | 1218.008 | 1263.448 | 0.0       | -93.14   | -92.118 | 0.0       |
| 18    | 14587       | 14588     | SN   | 1    | 57.572          | 58.205 | 0.0       | 0.0           | 299.85  | 3.711     | 1212.056 | 1263.664 | 0.0       | -93.093  | -92.088 | 0.0       |
| 19    | 14587       | 14588     | NS   | 1    | 57.543          | 58.153 | 0.0       | 0.0           | 299.575 | 3.835     | 1218.008 | 1263.448 | 0.0       | -93.14   | -92.118 | 0.0       |
| 20    | 14588       | 14589     | SN   | 1    | 57.579          | 58.204 | 0.0       | 0.0           | 298.841 | 3.169     | 1212.192 | 1263.568 | 0.0       | -93.359  | -92.109 | 0.0       |
| 21    | 14588       | 14589     | SN   | 1    | 57.579          | 58.204 | 0.0       | 0.0           | 298.841 | 3.703     | 1212.192 | 1263.568 | 0.0       | -93.097  | -92.109 | 0.0       |
| 22    | 14588       | 14589     | NS   | 1    | 57.56           | 58.156 | 0.0       | 0.0           | 287.883 | 3.729     | 1218.704 | 1263.352 | 0.0       | -93.145  | -92.132 | 0.0       |
| 23    | 14588       | 14589     | NS   | 1    | 57.56           | 58.156 | 0.0       | 0.0           | 287.883 | 3.725     | 1218.704 | 1263.352 | 0.0       | -93.145  | -92.132 | 0.0       |
| 24    | 14588       | 14589     | SN   | 2    | 57.579          | 58.204 | 0.0       | 0.0           | 298.841 | 3.703     | 1212.192 | 1263.568 | 0.0       | -93.097  | -92.109 | 0.0       |
| 25    | 14589       | 14590     | NS   | 1    | 57.539          | 58.173 | 0.0       | 0.0           | 289.896 | 3.751     | 1218.464 | 1263.16  | 0.0       | -93.171  | -92.138 | 0.0       |
| 26    | 14589       | 14590     | SN   | 1    | 57.581          | 58.204 | 0.0       | 0.003         | 298.681 | 3.011     | 1212.736 | 1263.408 | 0.0       | -93.069  | -92.11  | 0.0       |
| 27    | 14589       | 14590     | NS   | 1    | 57.539          | 58.173 | 0.0       | 0.0           | 289.896 | 3.748     | 1218.464 | 1263.16  | 0.0       | -93.187  | -92.138 | 0.0       |
| 28    | 14589       | 14590     | SN   | 1    | 57.383          | 58.202 | 0.0       | 0.0           | 298.544 | 3.757     | 1212.72  | 1263.36  | 0.0       | -94.969  | -92.11  | 0.0       |
| 29    | 14590       | 14591     | NS   | 1    | 57.516          | 58.159 | 0.0       | 0.0           | 293.497 | 3.66      | 1217.688 | 1263.144 | 0.0       | -93.349  | -92.141 | 0.0       |
| 30    | 14590       | 14591     | SN   | 1    | 57.584          | 58.203 | 0.0       | 0.0           | 298.538 | 3.871     | 1213.096 | 1263.392 | 0.0       | -93.094  | -92.085 | 0.0       |
| 31    | 14591       | 14592     | NS   | 1    | 57.525          | 58.175 | 0.0       | 0.0           | 298.422 | 3.714     | 1217.576 | 1263.288 | 0.0       | -93.218  | -92.137 | 0.0       |
| 32    | 14591       | 14592     | SN   | 1    | 57.578          | 58.217 | 0.0       | 0.0           | 296.685 | 3.806     | 1212.784 | 1263.608 | 0.0       | -93.038  | -92.096 | 0.0       |
| 33    | 14591       | 14592     | SN   | 2    | 57.578          | 58.217 | 0.0       | 0.0           | 296.685 | 3.806     | 1212.784 | 1263.608 | 0.0       | -93.038  | -92.096 | 0.0       |
| 34    | 14591       | 14592     | NS   | 1    | 57.522          | 58.178 | 0.0       | 0.0           | 298.72  | 3.711     | 1217.608 | 1263.336 | 0.0       | -93.196  | -92.136 | 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 | 14591 | 14592 | SN | 1 | 57.578 | 58.217 | 0.0 | 0.0   | 282.942 | 2.383 | 1212.784 | 1263.608 | 0.0 | -93.038 | -92.096 | 0.0 |
| 36 | 14592 | 14593 | SN | 1 | 57.583 | 58.227 | 0.0 | 0.0   | 295.698 | 3.717 | 1213.144 | 1263.584 | 0.0 | -93.105 | -92.082 | 0.0 |
| 37 | 14592 | 14593 | NS | 1 | 57.527 | 58.168 | 0.0 | 0.0   | 294.324 | 3.88  | 1218.288 | 1263.328 | 0.0 | -93.26  | -92.099 | 0.0 |
| 38 | 14592 | 14593 | NS | 1 | 57.524 | 58.16  | 0.0 | 0.0   | 294.324 | 3.883 | 1217.968 | 1263.328 | 0.0 | -93.174 | -92.099 | 0.0 |
| 39 | 14592 | 14593 | SN | 2 | 57.583 | 58.227 | 0.0 | 0.0   | 295.698 | 3.717 | 1213.144 | 1263.584 | 0.0 | -93.105 | -92.082 | 0.0 |
| 40 | 14593 | 14594 | SN | 1 | 57.58  | 58.233 | 0.0 | 0.0   | 297.595 | 3.781 | 1213.088 | 1263.384 | 0.0 | -93.276 | -92.113 | 0.0 |
| 41 | 14593 | 14594 | NS | 1 | 57.527 | 58.16  | 0.0 | 0.0   | 293.696 | 3.767 | 1218.032 | 1263.088 | 0.0 | -93.105 | -92.113 | 0.0 |
| 42 | 14593 | 14594 | NS | 1 | 57.525 | 58.17  | 0.0 | 0.0   | 293.696 | 3.756 | 1218.352 | 1263.088 | 0.0 | -93.105 | -92.113 | 0.0 |
| 43 | 14594 | 14595 | NS | 1 | 57.544 | 58.154 | 0.0 | 0.0   | 296.354 | 3.648 | 1217.672 | 1263.208 | 0.0 | -93.141 | -92.14  | 0.0 |
| 44 | 14594 | 14595 | SN | 1 | 57.576 | 58.226 | 0.0 | 0.0   | 296.674 | 3.864 | 1213.376 | 1263.544 | 0.0 | -93.319 | -92.077 | 0.0 |
| 45 | 14594 | 14595 | NS | 1 | 57.544 | 58.154 | 0.0 | 0.0   | 296.354 | 3.479 | 1217.672 | 1262.928 | 0.0 | -93.141 | -92.14  | 0.0 |
| 46 | 14595 | 14596 | SN | 1 | 57.581 | 58.223 | 0.0 | 0.0   | 297.678 | 3.727 | 1213.352 | 1263.56  | 0.0 | -93.133 | -92.09  | 0.0 |
| 47 | 14595 | 14596 | SN | 1 | 57.581 | 58.223 | 0.0 | 0.0   | 297.678 | 3.731 | 1213.016 | 1263.56  | 0.0 | -93.133 | -92.09  | 0.0 |
| 48 | 14595 | 14596 | NS | 1 | 57.524 | 58.185 | 0.0 | 0.0   | 298.957 | 3.64  | 1217.168 | 1263.344 | 0.0 | -93.422 | -92.137 | 0.0 |
| 49 | 14596 | 14597 | NS | 1 | 57.532 | 58.166 | 0.0 | 0.003 | 298.698 | 3.685 | 1217.144 | 1263.28  | 0.0 | -93.144 | -92.136 | 0.0 |
| 50 | 14596 | 14597 | SN | 1 | 57.587 | 58.208 | 0.0 | 0.0   | 296.933 | 3.727 | 1212.992 | 1263.584 | 0.0 | -93.092 | -92.114 | 0.0 |
| 51 | 14596 | 14597 | SN | 1 | 57.577 | 58.208 | 0.0 | 0.0   | 296.933 | 3.724 | 1213.12  | 1263.584 | 0.0 | -93.092 | -92.114 | 0.0 |
| 52 | 14596 | 14597 | NS | 2 | 57.532 | 58.166 | 0.0 | 0.003 | 298.698 | 3.685 | 1217.144 | 1263.28  | 0.0 | -93.144 | -92.136 | 0.0 |
| 53 | 14597 | 14598 | SN | 1 | 57.6   | 58.209 | 0.0 | 0.0   | 299.63  | 2.534 | 1213.504 | 1263.688 | 0.0 | -93.297 | -92.116 | 0.0 |
| 54 | 14597 | 14598 | NS | 2 | 57.519 | 58.156 | 0.0 | 0.0   | 299.42  | 3.709 | 1217.0   | 1263.36  | 0.0 | -93.192 | -92.135 | 0.0 |
| 55 | 14597 | 14598 | NS | 1 | 57.519 | 58.156 | 0.0 | 0.0   | 299.42  | 3.709 | 1217.0   | 1263.36  | 0.0 | -93.192 | -92.135 | 0.0 |
| 56 | 14597 | 14598 | SN | 1 | 57.585 | 58.209 | 0.0 | 0.0   | 299.63  | 3.837 | 1212.904 | 1263.688 | 0.0 | -93.24  | -92.116 | 0.0 |
| 57 | 14598 | 14599 | NS | 1 | 57.527 | 58.173 | 0.0 | 0.0   | 298.803 | 3.848 | 1217.04  | 1263.248 | 0.0 | -93.191 | -92.134 | 0.0 |
| 58 | 14598 | 14599 | SN | 1 | 57.598 | 58.209 | 0.0 | 0.003 | 299.531 | 3.229 | 1213.68  | 1263.592 | 0.0 | -93.138 | -92.093 | 0.0 |
| 59 | 14598 | 14599 | SN | 1 | 57.589 | 58.228 | 0.0 | 0.0   | 299.531 | 4.01  | 1213.68  | 1263.592 | 0.0 | -93.518 | -92.093 | 0.0 |
| 60 | 14598 | 14599 | SN | 1 | 57.589 | 58.228 | 0.0 | 0.003 | 299.531 | 3.226 | 1213.68  | 1263.592 | 0.0 | -93.26  | -92.093 | 0.0 |
| 61 | 14599 | 14600 | NS | 1 | 57.54  | 58.15  | 0.0 | 0.0   | 299.911 | 3.778 | 1217.184 | 1263.216 | 0.0 | -93.436 | -92.121 | 0.0 |
| 62 | 14599 | 14600 | SN | 2 | 57.589 | 58.211 | 0.0 | 0.0   | 299.707 | 3.849 | 1213.024 | 1263.52  | 0.0 | -93.127 | -92.083 | 0.0 |
| 63 | 14599 | 14600 | SN | 1 | 57.589 | 58.211 | 0.0 | 0.0   | 299.707 | 3.849 | 1213.024 | 1263.52  | 0.0 | -93.127 | -92.083 | 0.0 |
| 64 | 14599 | 14600 | NS | 1 | 57.54  | 58.165 | 0.0 | 0.0   | 299.911 | 3.781 | 1217.184 | 1263.216 | 0.0 | -93.436 | -92.121 | 0.0 |
| 65 | 14600 | 14601 | NS | 1 | 57.542 | 58.151 | 0.0 | 0.0   | 296.79  | 3.551 | 1218.144 | 1263.448 | 0.0 | -93.29  | -92.092 | 0.0 |
| 66 | 14600 | 14601 | SN | 1 | 57.575 | 58.206 | 0.0 | 0.003 | 283.598 | 3.297 | 1212.568 | 1263.728 | 0.0 | -93.011 | -92.113 | 0.0 |
| 67 | 14600 | 14601 | SN | 2 | 57.575 | 58.206 | 0.0 | 0.003 | 283.598 | 3.297 | 1212.568 | 1263.728 | 0.0 | -93.011 | -92.113 | 0.0 |
| 68 | 14600 | 14601 | NS | 1 | 57.542 | 58.151 | 0.0 | 0.0   | 296.79  | 3.555 | 1218.144 | 1263.448 | 0.0 | -93.29  | -92.092 | 0.0 |
| 69 | 14600 | 14601 | SN | 1 | 57.575 | 58.206 | 0.0 | 0.0   | 283.598 | 3.69  | 1212.568 | 1263.728 | 0.0 | -93.011 | -92.113 | 0.0 |
| 70 | 14601 | 14602 | SN | 2 | 57.575 | 58.244 | 0.0 | 0.0   | 299.867 | 3.695 | 1212.584 | 1263.632 | 0.0 | -93.143 | -92.112 | 0.0 |
| 71 | 14601 | 14602 | SN | 1 | 57.575 | 58.244 | 0.0 | 0.0   | 282.622 | 3.285 | 1212.584 | 1263.632 | 0.0 | -93.143 | -92.112 | 0.0 |

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

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

|     |       |       |    |   |        |        |     |       |         |       |          |          |     |         |         |     |
|-----|-------|-------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|-----|---------|---------|-----|
| 72  | 14601 | 14602 | SN | 1 | 57.575 | 58.244 | 0.0 | 0.0   | 299.911 | 3.695 | 1212.584 | 1263.632 | 0.0 | -93.143 | -92.112 | 0.0 |
| 73  | 14601 | 14602 | NS | 1 | 57.529 | 58.15  | 0.0 | 0.0   | 291.545 | 3.725 | 1218.4   | 1263.384 | 0.0 | -93.105 | -92.141 | 0.0 |
| 74  | 14601 | 14602 | NS | 1 | 57.529 | 58.15  | 0.0 | 0.0   | 291.545 | 3.723 | 1218.4   | 1263.384 | 0.0 | -93.084 | -92.141 | 0.0 |
| 75  | 14602 | 14603 | NS | 1 | 57.559 | 58.151 | 0.0 | 0.0   | 293.222 | 3.685 | 1218.448 | 1263.24  | 0.0 | -93.136 | -92.112 | 0.0 |
| 76  | 14602 | 14603 | NS | 1 | 57.554 | 58.15  | 0.0 | 0.0   | 293.166 | 3.685 | 1218.216 | 1263.232 | 0.0 | -93.119 | -92.112 | 0.0 |
| 77  | 14602 | 14603 | SN | 1 | 57.59  | 58.205 | 0.0 | 0.0   | 281.497 | 3.253 | 1212.56  | 1263.48  | 0.0 | -93.026 | -92.11  | 0.0 |
| 78  | 14602 | 14603 | SN | 1 | 57.588 | 58.204 | 0.0 | 0.0   | 298.753 | 3.738 | 1212.552 | 1263.472 | 0.0 | -93.057 | -92.111 | 0.0 |
| 79  | 14603 | 14604 | NS | 1 | 57.529 | 58.177 | 0.0 | 0.0   | 295.962 | 3.732 | 1218.432 | 1263.12  | 0.0 | -93.143 | -92.126 | 0.0 |
| 80  | 14603 | 14604 | SN | 1 | 57.57  | 58.204 | 0.0 | 0.0   | 297.81  | 3.712 | 1212.808 | 1263.352 | 0.0 | -93.116 | -92.112 | 0.0 |
| 81  | 14604 | 14605 | NS | 1 | 57.555 | 58.185 | 0.0 | 0.0   | 299.04  | 3.685 | 1218.256 | 1263.0   | 0.0 | -93.156 | -92.139 | 0.0 |
| 82  | 14604 | 14605 | NS | 1 | 57.528 | 58.178 | 0.0 | 0.0   | 298.781 | 3.691 | 1218.224 | 1263.008 | 0.0 | -93.228 | -92.139 | 0.0 |
| 83  | 14604 | 14605 | SN | 1 | 57.579 | 58.207 | 0.0 | 0.003 | 297.165 | 2.919 | 1212.832 | 1263.288 | 0.0 | -93.053 | -92.102 | 0.0 |
| 84  | 14604 | 14605 | SN | 2 | 57.579 | 58.207 | 0.0 | 0.0   | 297.165 | 3.833 | 1212.832 | 1263.288 | 0.0 | -93.053 | -92.102 | 0.0 |
| 85  | 14604 | 14605 | SN | 1 | 57.579 | 58.207 | 0.0 | 0.0   | 297.165 | 3.833 | 1212.832 | 1263.288 | 0.0 | -93.053 | -92.102 | 0.0 |
| 86  | 14605 | 14606 | SN | 2 | 57.591 | 58.241 | 0.0 | 0.0   | 295.814 | 3.87  | 1213.776 | 1263.456 | 0.0 | -93.176 | -92.102 | 0.0 |
| 87  | 14605 | 14606 | SN | 1 | 57.591 | 58.241 | 0.0 | 0.0   | 293.177 | 2.615 | 1213.776 | 1263.456 | 0.0 | -93.176 | -92.102 | 0.0 |
| 88  | 14605 | 14606 | NS | 1 | 57.527 | 58.183 | 0.0 | 0.0   | 295.251 | 3.764 | 1217.912 | 1263.136 | 0.0 | -93.183 | -92.137 | 0.0 |
| 89  | 14605 | 14606 | SN | 1 | 57.591 | 58.241 | 0.0 | 0.0   | 295.814 | 3.87  | 1213.776 | 1263.456 | 0.0 | -93.176 | -92.102 | 0.0 |
| 90  | 14605 | 14606 | NS | 1 | 57.527 | 58.178 | 0.0 | 0.0   | 295.251 | 3.761 | 1217.976 | 1263.136 | 0.0 | -93.209 | -92.137 | 0.0 |
| 91  | 14606 | 14607 | SN | 1 | 57.59  | 58.207 | 0.0 | 0.0   | 299.205 | 3.745 | 1213.848 | 1263.552 | 0.0 | -93.082 | -92.075 | 0.0 |
| 92  | 14606 | 14607 | NS | 1 | 57.516 | 58.176 | 0.0 | 0.0   | 294.413 | 3.785 | 1217.968 | 1263.216 | 0.0 | -93.127 | -92.108 | 0.0 |
| 93  | 14606 | 14607 | NS | 2 | 57.516 | 58.176 | 0.0 | 0.0   | 294.396 | 3.786 | 1217.96  | 1263.216 | 0.0 | -93.127 | -92.108 | 0.0 |
| 94  | 14607 | 14608 | NS | 1 | 57.53  | 58.169 | 0.0 | 0.0   | 296.917 | 3.913 | 1217.272 | 1263.096 | 0.0 | -93.184 | -92.112 | 0.0 |
| 95  | 14607 | 14608 | SN | 1 | 57.58  | 58.208 | 0.0 | 0.0   | 294.016 | 3.711 | 1213.84  | 1263.968 | 0.0 | -93.171 | -92.118 | 0.0 |
| 96  | 14608 | 14609 | NS | 1 | 57.559 | 58.151 | 0.0 | 0.0   | 299.586 | 3.72  | 1218.048 | 1262.968 | 0.0 | -93.104 | -92.137 | 0.0 |
| 97  | 14608 | 14609 | SN | 1 | 57.573 | 58.208 | 0.0 | 0.0   | 294.247 | 3.845 | 1213.792 | 1263.408 | 0.0 | -93.085 | -92.086 | 0.0 |
| 98  | 14609 | 14610 | SN | 1 | 57.602 | 58.218 | 0.0 | 0.0   | 299.459 | 3.795 | 1213.792 | 1263.496 | 0.0 | -93.068 | -92.093 | 0.0 |
| 99  | 14609 | 14610 | SN | 1 | 57.595 | 58.218 | 0.0 | 0.0   | 299.404 | 3.796 | 1213.808 | 1263.504 | 0.0 | -93.062 | -92.093 | 0.0 |
| 100 | 14609 | 14610 | NS | 1 | 57.527 | 58.164 | 0.0 | 0.0   | 298.808 | 3.786 | 1217.152 | 1263.184 | 0.0 | -93.044 | -92.136 | 0.0 |
| 101 | 14609 | 14610 | NS | 1 | 57.527 | 58.164 | 0.0 | 0.0   | 295.323 | 3.358 | 1217.152 | 1261.896 | 0.0 | -93.044 | -92.136 | 0.0 |
| 102 | 14610 | 14611 | NS | 2 | 57.525 | 58.172 | 0.0 | 0.003 | 298.836 | 3.692 | 1216.936 | 1263.224 | 0.0 | -93.179 | -92.134 | 0.0 |
| 103 | 14610 | 14611 | SN | 1 | 57.586 | 58.208 | 0.0 | 0.0   | 298.356 | 3.725 | 1213.792 | 1263.416 | 0.0 | -93.072 | -92.111 | 0.0 |
| 104 | 14610 | 14611 | NS | 1 | 57.525 | 58.176 | 0.0 | 0.003 | 298.836 | 3.678 | 1216.936 | 1263.224 | 0.0 | -93.179 | -92.134 | 0.0 |
| 105 | 14610 | 14611 | SN | 1 | 57.602 | 58.208 | 0.0 | 0.0   | 298.356 | 3.722 | 1213.792 | 1263.416 | 0.0 | -93.216 | -92.111 | 0.0 |
| 106 | 14610 | 14611 | NS | 1 | 57.525 | 58.172 | 0.0 | 0.003 | 297.336 | 2.998 | 1216.936 | 1261.616 | 0.0 | -93.179 | -92.134 | 0.0 |
| 107 | 14611 | 14612 | SN | 1 | 57.584 | 58.21  | 0.0 | 0.0   | 298.378 | 3.746 | 1213.928 | 1263.536 | 0.0 | -93.261 | -92.118 | 0.0 |
| 108 | 14611 | 14612 | NS | 1 | 57.52  | 58.158 | 0.0 | 0.0   | 299.58  | 2.42  | 1216.648 | 1261.216 | 0.0 | -93.087 | -92.133 | 0.0 |

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

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

|     |       |       |    |   |        |        |     |     |         |       |          |          |     |         |         |     |
|-----|-------|-------|----|---|--------|--------|-----|-----|---------|-------|----------|----------|-----|---------|---------|-----|
| 109 | 14611 | 14612 | NS | 2 | 57.52  | 58.158 | 0.0 | 0.0 | 299.58  | 3.769 | 1216.648 | 1263.144 | 0.0 | -93.106 | -92.133 | 0.0 |
| 110 | 14611 | 14612 | NS | 1 | 57.52  | 58.158 | 0.0 | 0.0 | 299.58  | 3.756 | 1216.648 | 1263.144 | 0.0 | -93.106 | -92.133 | 0.0 |
| 111 | 14611 | 14612 | SN | 2 | 57.584 | 58.21  | 0.0 | 0.0 | 298.372 | 3.749 | 1213.936 | 1263.536 | 0.0 | -93.261 | -92.118 | 0.0 |
| 112 | 14612 | 14613 | NS | 1 | 57.526 | 58.171 | 0.0 | 0.0 | 294.109 | 3.843 | 1216.696 | 1262.872 | 0.0 | -93.222 | -92.108 | 0.0 |
| 113 | 14612 | 14613 | SN | 1 | 57.584 | 58.216 | 0.0 | 0.0 | 286.819 | 4.105 | 1214.384 | 1263.576 | 0.0 | -93.041 | -92.12  | 0.0 |
| 114 | 14612 | 14613 | NS | 1 | 57.526 | 58.171 | 0.0 | 0.0 | 294.109 | 3.845 | 1216.696 | 1262.872 | 0.0 | -93.222 | -92.108 | 0.0 |
| 115 | 14612 | 14613 | SN | 1 | 57.585 | 58.213 | 0.0 | 0.0 | 279.914 | 3.484 | 1214.384 | 1263.576 | 0.0 | -93.122 | -92.12  | 0.0 |
| 116 | 14612 | 14613 | NS | 1 | 57.526 | 58.171 | 0.0 | 0.0 | 290.8   | 2.337 | 1216.696 | 1261.624 | 0.0 | -93.222 | -92.108 | 0.0 |
| 117 | 14612 | 14613 | SN | 1 | 57.585 | 58.213 | 0.0 | 0.0 | 236.935 | 1.256 | 1214.384 | 1263.576 | 0.0 | -93.122 | -92.12  | 0.0 |
| 118 | 14612 | 14613 | NS | 1 | 57.526 | 58.171 | 0.0 | 0.0 | 290.8   | 2.168 | 1216.696 | 1258.768 | 0.0 | -93.083 | -92.108 | 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       | 14584       | 14585     | SN       | 1    | -34.894 | 21.244   | 0.0        | -34.631 | 21.021    | 0.0        | -32.889 | 22.303  | 0.007      | -31.469 | 22.652   | 0.018      | 0.086 | 228.648  | 3.202      | 0.086 | 215.218   | 2.981      | 0.086 | 144.105 | 0.183      | 0.086 | 103.942 | 0.169      |
| 2       | 14584       | 14585     | NS       | 1    | -34.371 | 20.795   | 0.0        | -34.23  | 20.357    | 0.0        | 2.287   | 22.687  | 0.016      | 1.838   | 23.349   | 0.084      | 0.086 | 202.683  | 2.497      | 0.086 | 196.224   | 2.531      | 0.086 | 0.122   | 0.0        | 0.086 | 0.126   | 0.0        |
| 3       | 14584       | 14585     | SN       | 1    | -34.962 | 21.244   | 0.0        | -34.586 | 21.021    | 0.0        | -32.98  | 22.303  | 0.007      | -31.481 | 22.652   | 0.018      | 0.086 | 232.225  | 3.349      | 0.086 | 212.938   | 3.133      | 0.086 | 147.15  | 0.184      | 0.086 | 104.233 | 0.169      |
| 4       | 14584       | 14585     | SN       | 1    | -34.962 | 21.244   | 0.0        | -33.486 | 21.021    | 0.0        | -32.98  | 22.303  | 0.007      | -31.481 | 22.652   | 0.018      | 0.086 | 232.225  | 3.214      | 0.086 | 165.36    | 2.979      | 0.086 | 147.15  | 0.184      | 0.086 | 104.233 | 0.169      |
| 5       | 14585       | 14586     | NS       | 2    | -33.669 | 19.553   | 0.0        | -33.502 | 20.603    | 0.0        | -21.885 | 22.857  | 0.012      | -13.227 | 23.351   | 0.056      | 0.086 | 172.407  | 1.149      | 0.086 | 165.902   | 1.101      | 0.086 | 11.496  | 0.005      | 0.086 | 1.621   | 0.001      |
| 6       | 14585       | 14586     | SN       | 1    | -34.406 | 20.651   | 0.0        | -34.453 | 21.477    | 0.0        | -13.081 | 22.392  | 0.014      | -10.21  | 22.441   | 0.015      | 0.086 | 204.357  | 2.786      | 0.086 | 206.556   | 2.142      | 0.086 | 1.57    | 0.008      | 0.086 | 0.843   | 0.0        |
| 7       | 14585       | 14586     | SN       | 1    | -34.406 | 20.651   | 0.0        | -33.927 | 21.477    | 0.0        | -13.047 | 22.392  | 0.014      | -10.21  | 22.441   | 0.015      | 0.086 | 204.357  | 2.84       | 0.086 | 182.977   | 2.181      | 0.086 | 1.559   | 0.008      | 0.086 | 0.843   | 0.0        |
| 8       | 14585       | 14586     | NS       | 1    | -33.669 | 19.553   | 0.0        | -33.502 | 20.603    | 0.0        | -21.885 | 22.857  | 0.012      | -13.225 | 23.351   | 0.056      | 0.086 | 172.407  | 1.149      | 0.086 | 165.902   | 1.101      | 0.086 | 11.496  | 0.005      | 0.086 | 1.621   | 0.001      |
| 9       | 14585       | 14586     | SN       | 1    | -34.406 | 20.651   | 0.0        | -34.453 | 21.477    | 0.0        | -13.083 | 22.392  | 0.014      | -10.21  | 22.441   | 0.015      | 0.086 | 204.357  | 2.849      | 0.086 | 206.556   | 2.18       | 0.086 | 1.571   | 0.008      | 0.086 | 0.843   | 0.0        |
| 10      | 14586       | 14587     | NS       | 1    | -34.937 | 14.779   | 0.0        | -30.251 | 16.409    | 0.0        | -7.498  | 22.455  | 0.004      | -9.342  | 22.681   | 0.026      | 0.088 | 230.908  | 0.9        | 0.087 | 78.538    | 0.894      | 0.086 | 0.483   | 0.0        | 0.086 | 0.703   | 0.0        |
| 11      | 14586       | 14587     | SN       | 2    | -34.866 | 16.315   | 0.0        | -34.959 | 17.191    | 0.0        | 1.331   | 22.262  | 0.014      | 1.492   | 21.963   | 0.0        | 0.087 | 232.831  | 3.836      | 0.087 | 232.079   | 3.483      | 0.086 | 0.131   | 0.0        | 0.086 | 0.13    | 0.0        |
| 12      | 14586       | 14587     | NS       | 1    | -34.937 | 14.779   | 0.0        | -30.251 | 16.409    | 0.0        | -7.498  | 22.455  | 0.004      | -9.342  | 22.681   | 0.026      | 0.088 | 230.908  | 0.896      | 0.087 | 78.538    | 0.895      | 0.086 | 0.483   | 0.0        | 0.086 | 0.703   | 0.0        |
| 13      | 14586       | 14587     | SN       | 1    | -34.866 | 16.315   | 0.0        | -34.959 | 17.191    | 0.0        | 1.331   | 22.262  | 0.014      | 1.492   | 21.963   | 0.0        | 0.087 | 232.831  | 3.836      | 0.087 | 232.079   | 3.483      | 0.086 | 0.131   | 0.0        | 0.086 | 0.13    | 0.0        |
| 14      | 14586       | 14587     | SN       | 1    | -34.866 | 16.315   | 0.0        | -34.959 | 17.191    | 0.0        | 1.331   | 22.262  | 0.014      | 1.492   | 21.963   | 0.0        | 0.087 | 232.831  | 3.912      | 0.087 | 232.079   | 3.52       | 0.086 | 0.131   | 0.0        | 0.086 | 0.13    | 0.0        |
| 15      | 14587       | 14588     | SN       | 2    | -34.71  | 16.657   | 0.0        | -34.803 | 17.662    | 0.0        | 0.209   | 22.542  | 0.022      | 2.047   | 22.375   | 0.018      | 0.087 | 219.106  | 3.486      | 0.087 | 223.862   | 3.242      | 0.086 | 0.146   | 0.0        | 0.086 | 0.124   | 0.0        |
| 16      | 14587       | 14588     | SN       | 1    | -34.71  | 16.657   | 0.0        | -34.803 | 17.662    | 0.0        | 0.209   | 22.542  | 0.022      | 2.047   | 22.375   | 0.018      | 0.087 | 219.106  | 3.567      | 0.087 | 223.862   | 3.295      | 0.086 | 0.146   | 0.0        | 0.086 | 0.124   | 0.0        |
| 17      | 14587       | 14588     | NS       | 1    | -34.863 | 17.263   | 0.0        | -34.843 | 18.131    | 0.0        | -18.358 | 22.322  | 0.006      | -24.66  | 22.614   | 0.021      | 0.087 | 226.977  | 2.33       | 0.086 | 225.904   | 2.172      | 0.086 | 5.139   | 0.02       | 0.086 | 21.726  | 0.066      |
| 18      | 14587       | 14588     | SN       | 1    | -34.71  | 16.657   | 0.0        | -34.803 | 17.662    | 0.0        | 0.209   | 22.542  | 0.022      | 2.047   | 22.375   | 0.018      | 0.087 | 219.106  | 3.486      | 0.087 | 223.862   | 3.242      | 0.086 | 0.146   | 0.0        | 0.086 | 0.124   | 0.0        |
| 19      | 14587       | 14588     | NS       | 1    | -34.863 | 17.263   | 0.0        | -34.744 | 18.13     | 0.0        | -18.358 | 22.322  | 0.006      | -24.66  | 22.614   | 0.021      | 0.087 | 226.977  | 2.337      | 0.086 | 220.845   | 2.176      | 0.086 | 5.139   | 0.02       | 0.086 | 21.726  | 0.066      |
| 20      | 14588       | 14589     | SN       | 1    | -34.81  | 16.994   | 0.0        | -34.96  | 16.821    | 0.0        | -0.066  | 21.924  | 0.0        | 0.27    | 22.231   | 0.026      | 0.087 | 224.28   | 6.048      | 0.087 | 232.13    | 5.658      | 0.086 | 0.15    | 0.0        | 0.086 | 0.145   | 0.0        |
| 21      | 14588       | 14589     | SN       | 1    | -34.917 | 16.994   | 0.0        | -34.96  | 16.821    | 0.0        | -0.066  | 21.924  | 0.0        | 0.32    | 22.231   | 0.024      | 0.087 | 229.81   | 5.889      | 0.087 | 232.13    | 5.525      | 0.086 | 0.15    | 0.0        | 0.086 | 0.144   | 0.0        |
| 22      | 14588       | 14589     | NS       | 1    | -34.159 | 15.08    | 0.0        | -34.518 | 15.52     | 0.0        | -14.613 | 22.44   | 0.01       | -26.577 | 22.347   | 0.017      | 0.087 | 193.063  | 2.844      | 0.087 | 209.642   | 2.914      | 0.086 | 2.206   | 0.013      | 0.086 | 33.745  | 0.014      |
| 23      | 14588       | 14589     | NS       | 1    | -34.886 | 15.08    | 0.0        | -34.632 | 15.52     | 0.0        | -14.613 | 22.438  | 0.01       | -26.577 | 22.347   | 0.017      | 0.087 | 228.244  | 2.835      | 0.087 | 215.295   | 2.913      | 0.086 | 2.206   | 0.013      | 0.086 | 33.745  | 0.014      |
| 24      | 14588       | 14589     | SN       | 2    | -34.917 | 16.994   | 0.0        | -34.96  | 16.821    | 0.0        | -0.066  | 21.924  | 0.0        | 0.32    | 22.231   | 0.024      | 0.087 | 229.81   | 5.889      | 0.087 | 232.13    | 5.525      | 0.086 | 0.15    | 0.0        | 0.086 | 0.144   | 0.0        |
| 25      | 14589       | 14590     | NS       | 1    | -34.588 | 16.34    | 0.0        | -34.122 | 17.249    | 0.0        | -30.223 | 22.0    | 0.002      | -26.594 | 22.763   | 0.033      | 0.087 | 213.049  | 2.072      | 0.087 | 191.405   | 1.832      | 0.086 | 78.044  | 0.186      | 0.086 | 33.868  | 0.035      |
| 26      | 14589       | 14590     | SN       | 1    | -34.906 | 16.239   | 0.0        | -34.877 | 16.992    | 0.0        | 0.437   | 21.742  | 0.0        | 3.665   | 21.484   | 0.0        | 0.087 | 229.225  | 7.082      | 0.087 | 227.757   | 6.618      | 0.086 | 0.143   | 0.0        | 0.086 | 0.111   | 0.0        |
| 27      | 14589       | 14590     | NS       | 1    | -34.588 | 16.34    | 0.0        | -34.122 | 17.248    | 0.0        | -30.223 | 21.994  | 0.0        | -26.594 | 22.761   | 0.033      | 0.087 | 213.049  | 2.069      | 0.087 | 191.405   | 1.83       | 0.086 | 78.044  | 0.186      | 0.086 | 33.868  | 0.035      |
| 28      | 14589       | 14590     | SN       | 1    | -34.974 | 16.239   | 0.0        | -34.888 | 16.992    | 0.0        | 0.437   | 21.742  | 0.0        | 3.665   | 21.484   | 0.0        | 0.087 | 232.91   | 6.855      | 0.087 | 228.306   | 6.413      | 0.086 | 0.143   | 0.0        | 0.086 | 0.111   | 0.0        |
| 29      | 14590       | 14591     | NS       | 1    | -34.897 | 20.232   | 0.0        | -34.218 | 20.988    | 0.0        | 1.297   | 21.793  | 0.0        | 1.329   | 22.548   | 0.041      | 0.086 | 228.751  | 3.373      | 0.086 | 195.647   | 2.918      | 0.086 | 0.132   | 0.0        | 0.086 | 0.131   | 0.0        |
| 30      | 14590       | 14591     | SN       | 1    | -34.566 | 17.252   | 0.0        | -34.892 | 17.689    | 0.0        | -17.665 | 22.956  | 0.104      | -9.896  | 23.323   | 0.289      | 0.087 | 211.992  | 2.005      | 0.086 | 228.511   | 2.066      | 0.086 | 4.39    | 0.01       | 0.086 | 0.789   | 0.0        |
| 31      | 14591       | 14592     | NS       | 1    | -34.98  | 20.724   | 0.0        | -34.871 | 21.299    | 0.0        | -1.958  | 22.099  | 0.007      | 2.076   | 23.343   | 0.138      | 0.086 | 233.201  | 7.63       | 0.086 | 227.426   | 7.389      | 0.086 | 0.189   | 0.0        | 0.086 | 0.124   | 0.0        |
| 32      | 14591       | 14592     | SN       | 1    | -34.71  | 18.114   | 0.0        | -34.714 | 18.416    | 0.0        | -18.579 | 23.108  | 0.087      | -12.925 | 23.595   | 0.374      | 0.086 | 219.105  | 1.566      | 0.086 | 219.379   | 1.435      | 0.086 | 5.404   | 0.004      | 0.086 | 1.517   | 0.002      |

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

|    |       |       |    |   |         |        |     |         |        |     |         |        |       |         |        |       |       |         |       |       |         |       |       |         |       |       |         |       |
|----|-------|-------|----|---|---------|--------|-----|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|
| 33 | 14591 | 14592 | SN | 2 | -34.71  | 18.114 | 0.0 | -34.714 | 18.416 | 0.0 | -18.579 | 23.108 | 0.087 | -12.925 | 23.595 | 0.374 | 0.086 | 219.105 | 1.566 | 0.086 | 219.379 | 1.435 | 0.086 | 5.404   | 0.004 | 0.086 | 1.517   | 0.002 |
| 34 | 14591 | 14592 | NS | 1 | -34.939 | 20.722 | 0.0 | -34.778 | 21.299 | 0.0 | -1.958  | 22.099 | 0.007 | 2.073   | 23.348 | 0.138 | 0.086 | 230.951 | 7.634 | 0.086 | 222.574 | 7.369 | 0.086 | 0.189   | 0.0   | 0.086 | 0.124   | 0.0   |
| 35 | 14591 | 14592 | SN | 1 | -34.71  | 18.114 | 0.0 | -34.714 | 18.416 | 0.0 | -18.39  | 23.108 | 0.095 | -12.922 | 23.595 | 0.378 | 0.086 | 219.105 | 1.357 | 0.086 | 219.379 | 1.378 | 0.086 | 5.177   | 0.005 | 0.086 | 1.516   | 0.002 |
| 36 | 14592 | 14593 | SN | 1 | -34.95  | 19.185 | 0.0 | -34.335 | 17.542 | 0.0 | -15.716 | 22.982 | 0.096 | -6.721  | 23.324 | 0.102 | 0.086 | 231.592 | 2.197 | 0.087 | 201.044 | 2.052 | 0.086 | 2.826   | 0.007 | 0.086 | 0.416   | 0.0   |
| 37 | 14592 | 14593 | NS | 1 | -34.916 | 20.131 | 0.0 | -34.606 | 20.065 | 0.0 | -28.796 | 21.151 | 0.0   | -31.226 | 23.59  | 0.728 | 0.086 | 229.76  | 4.645 | 0.086 | 213.982 | 4.847 | 0.086 | 56.179  | 0.129 | 0.086 | 98.264  | 0.052 |
| 38 | 14592 | 14593 | NS | 1 | -34.577 | 20.131 | 0.0 | -34.739 | 20.065 | 0.0 | -28.375 | 21.151 | 0.0   | -29.172 | 23.59  | 0.723 | 0.086 | 212.554 | 4.63  | 0.086 | 220.594 | 4.852 | 0.086 | 51.006  | 0.126 | 0.086 | 61.266  | 0.052 |
| 39 | 14592 | 14593 | SN | 2 | -34.95  | 19.185 | 0.0 | -34.335 | 17.542 | 0.0 | -15.716 | 22.982 | 0.096 | -6.721  | 23.324 | 0.102 | 0.086 | 231.592 | 2.197 | 0.087 | 201.044 | 2.052 | 0.086 | 2.826   | 0.007 | 0.086 | 0.416   | 0.0   |
| 40 | 14593 | 14594 | SN | 1 | -34.438 | 20.549 | 0.0 | -34.832 | 20.458 | 0.0 | -21.927 | 23.024 | 0.097 | -22.518 | 23.041 | 0.045 | 0.086 | 205.831 | 1.738 | 0.086 | 225.366 | 1.596 | 0.086 | 11.607  | 0.114 | 0.086 | 13.29   | 0.148 |
| 41 | 14593 | 14594 | NS | 1 | -34.538 | 19.587 | 0.0 | -34.768 | 18.154 | 0.0 | -29.504 | 22.198 | 0.003 | -28.254 | 23.92  | 0.733 | 0.086 | 210.614 | 1.186 | 0.086 | 222.144 | 1.268 | 0.086 | 66.133  | 0.345 | 0.086 | 49.614  | 0.271 |
| 42 | 14593 | 14594 | NS | 1 | -34.195 | 19.587 | 0.0 | -34.529 | 18.147 | 0.0 | -29.11  | 22.192 | 0.003 | -28.257 | 23.92  | 0.733 | 0.086 | 194.604 | 1.187 | 0.086 | 210.199 | 1.268 | 0.086 | 60.402  | 0.343 | 0.086 | 49.654  | 0.271 |
| 43 | 14594 | 14595 | NS | 1 | -34.465 | 15.37  | 0.0 | -33.019 | 18.95  | 0.0 | -21.644 | 22.09  | 0.007 | -15.174 | 23.682 | 0.583 | 0.087 | 207.155 | 2.006 | 0.086 | 148.474 | 2.247 | 0.086 | 10.878  | 0.014 | 0.086 | 2.502   | 0.003 |
| 44 | 14594 | 14595 | SN | 1 | -34.453 | 20.336 | 0.0 | -34.371 | 20.739 | 0.0 | -33.209 | 22.956 | 0.079 | -24.206 | 22.781 | 0.025 | 0.086 | 206.522 | 2.637 | 0.086 | 202.696 | 2.375 | 0.086 | 155.131 | 0.048 | 0.086 | 19.569  | 0.02  |
| 45 | 14594 | 14595 | NS | 1 | -34.465 | 15.37  | 0.0 | -33.019 | 18.95  | 0.0 | -21.644 | 22.09  | 0.007 | -15.174 | 23.682 | 0.593 | 0.087 | 207.155 | 2.007 | 0.086 | 148.474 | 2.247 | 0.086 | 10.878  | 0.014 | 0.086 | 2.502   | 0.003 |
| 46 | 14595 | 14596 | SN | 1 | -34.6   | 17.427 | 0.0 | -33.975 | 17.373 | 0.0 | -17.759 | 22.924 | 0.086 | -25.674 | 22.976 | 0.063 | 0.087 | 213.685 | 3.778 | 0.087 | 185.041 | 2.93  | 0.086 | 4.484   | 0.003 | 0.086 | 27.412  | 0.014 |
| 47 | 14595 | 14596 | SN | 1 | -33.936 | 17.427 | 0.0 | -34.99  | 17.373 | 0.0 | -17.758 | 22.924 | 0.086 | -25.524 | 22.976 | 0.063 | 0.087 | 183.409 | 3.776 | 0.087 | 233.733 | 2.936 | 0.086 | 4.484   | 0.003 | 0.086 | 26.487  | 0.014 |
| 48 | 14595 | 14596 | NS | 1 | -34.745 | 18.668 | 0.0 | -34.92  | 19.027 | 0.0 | 0.471   | 21.658 | 0.0   | -0.705  | 23.329 | 0.686 | 0.086 | 220.937 | 4.829 | 0.086 | 230.008 | 4.446 | 0.086 | 0.142   | 0.0   | 0.086 | 0.161   | 0.0   |
| 49 | 14596 | 14597 | NS | 1 | -34.773 | 20.311 | 0.0 | -34.891 | 16.931 | 0.0 | 0.894   | 22.401 | 0.013 | -1.579  | 23.32  | 0.828 | 0.086 | 222.317 | 7.236 | 0.087 | 228.476 | 6.838 | 0.086 | 0.136   | 0.0   | 0.086 | 0.18    | 0.0   |
| 50 | 14596 | 14597 | SN | 1 | -34.762 | 16.502 | 0.0 | -34.806 | 16.426 | 0.0 | -23.07  | 23.25  | 0.15  | -34.974 | 22.63  | 0.026 | 0.087 | 221.802 | 4.793 | 0.087 | 224.004 | 4.115 | 0.086 | 15.083  | 0.124 | 0.086 | 232.873 | 0.14  |
| 51 | 14596 | 14597 | SN | 1 | -34.379 | 16.502 | 0.0 | -34.885 | 16.426 | 0.0 | -23.066 | 23.25  | 0.15  | -34.985 | 22.63  | 0.026 | 0.087 | 203.085 | 4.79  | 0.087 | 228.162 | 4.119 | 0.086 | 15.064  | 0.124 | 0.086 | 233.471 | 0.136 |
| 52 | 14596 | 14597 | NS | 2 | -34.773 | 20.311 | 0.0 | -34.891 | 16.931 | 0.0 | 0.894   | 22.401 | 0.013 | -1.579  | 23.32  | 0.828 | 0.086 | 222.317 | 7.236 | 0.087 | 228.476 | 6.838 | 0.086 | 0.136   | 0.0   | 0.086 | 0.18    | 0.0   |
| 53 | 14597 | 14598 | SN | 1 | -34.592 | 14.584 | 0.0 | -34.846 | 14.737 | 0.0 | -2.275  | 22.522 | 0.049 | -3.041  | 22.769 | 0.03  | 0.088 | 213.275 | 5.351 | 0.088 | 226.084 | 4.894 | 0.086 | 0.197   | 0.0   | 0.086 | 0.22    | 0.0   |
| 54 | 14597 | 14598 | NS | 2 | -34.925 | 17.817 | 0.0 | -34.996 | 18.058 | 0.0 | 1.046   | 22.959 | 0.277 | 1.849   | 23.42  | 0.793 | 0.086 | 230.215 | 6.518 | 0.086 | 234.045 | 6.407 | 0.086 | 0.135   | 0.0   | 0.086 | 0.126   | 0.0   |
| 55 | 14597 | 14598 | NS | 1 | -34.925 | 17.817 | 0.0 | -34.996 | 18.058 | 0.0 | 1.046   | 22.959 | 0.277 | 1.849   | 23.42  | 0.793 | 0.086 | 230.215 | 6.518 | 0.086 | 234.045 | 6.407 | 0.086 | 0.135   | 0.0   | 0.086 | 0.126   | 0.0   |
| 56 | 14597 | 14598 | SN | 1 | -34.994 | 14.584 | 0.0 | -34.847 | 14.737 | 0.0 | -2.269  | 22.522 | 0.043 | -3.001  | 22.769 | 0.028 | 0.088 | 233.963 | 5.268 | 0.088 | 226.188 | 4.526 | 0.086 | 0.197   | 0.0   | 0.086 | 0.219   | 0.0   |
| 57 | 14598 | 14599 | NS | 1 | -34.02  | 20.294 | 0.0 | -34.782 | 20.398 | 0.0 | 1.62    | 23.232 | 0.206 | 1.366   | 23.437 | 0.312 | 0.086 | 186.938 | 3.167 | 0.086 | 222.808 | 2.924 | 0.086 | 0.128   | 0.0   | 0.086 | 0.131   | 0.0   |
| 58 | 14598 | 14599 | SN | 1 | -33.874 | 20.922 | 0.0 | -34.914 | 21.157 | 0.0 | -34.417 | 22.613 | 0.008 | -25.555 | 24.044 | 0.016 | 0.086 | 180.806 | 4.691 | 0.086 | 229.696 | 4.342 | 0.086 | 204.842 | 0.151 | 0.086 | 26.676  | 0.124 |
| 59 | 14598 | 14599 | SN | 1 | -34.739 | 20.92  | 0.0 | -34.973 | 21.157 | 0.0 | -28.146 | 22.613 | 0.008 | -25.692 | 24.044 | 0.016 | 0.086 | 220.59  | 4.522 | 0.086 | 232.828 | 3.887 | 0.086 | 48.396  | 0.148 | 0.086 | 27.528  | 0.124 |
| 60 | 14598 | 14599 | SN | 1 | -34.739 | 20.92  | 0.0 | -34.973 | 21.157 | 0.0 | -28.146 | 22.613 | 0.008 | -25.692 | 24.044 | 0.016 | 0.086 | 220.59  | 4.683 | 0.086 | 232.828 | 4.34  | 0.086 | 48.396  | 0.15  | 0.086 | 27.528  | 0.124 |
| 61 | 14599 | 14600 | NS | 1 | -34.543 | 20.005 | 0.0 | -34.523 | 20.727 | 0.0 | -5.764  | 22.613 | 0.012 | -15.103 | 24.174 | 0.073 | 0.086 | 210.854 | 1.298 | 0.086 | 209.881 | 1.232 | 0.086 | 0.348   | 0.0   | 0.086 | 2.462   | 0.002 |
| 62 | 14599 | 14600 | SN | 2 | -34.95  | 20.597 | 0.0 | -34.583 | 20.877 | 0.0 | -29.277 | 22.633 | 0.011 | -34.708 | 22.854 | 0.014 | 0.086 | 231.525 | 1.959 | 0.086 | 212.797 | 1.746 | 0.086 | 62.758  | 0.312 | 0.086 | 219.039 | 0.409 |
| 63 | 14599 | 14600 | SN | 1 | -34.95  | 20.597 | 0.0 | -34.583 | 20.877 | 0.0 | -29.277 | 22.633 | 0.011 | -34.708 | 22.854 | 0.014 | 0.086 | 231.525 | 1.959 | 0.086 | 212.797 | 1.746 | 0.086 | 62.758  | 0.312 | 0.086 | 219.039 | 0.409 |
| 64 | 14599 | 14600 | NS | 1 | -34.543 | 20.006 | 0.0 | -34.523 | 20.727 | 0.0 | -5.764  | 22.611 | 0.012 | -15.103 | 24.174 | 0.073 | 0.086 | 210.854 | 1.299 | 0.086 | 209.881 | 1.231 | 0.086 | 0.348   | 0.0   | 0.086 | 2.462   | 0.002 |
| 65 | 14600 | 14601 | NS | 1 | -34.499 | 16.47  | 0.0 | -34.999 | 15.636 | 0.0 | -14.838 | 22.87  | 0.016 | -22.402 | 22.908 | 0.048 | 0.087 | 208.759 | 2.556 | 0.087 | 234.218 | 2.38  | 0.086 | 2.321   | 0.005 | 0.086 | 12.941  | 0.022 |
| 66 | 14600 | 14601 | SN | 1 | -34.604 | 16.21  | 0.0 | -34.877 | 16.802 | 0.0 | -14.391 | 22.385 | 0.043 | -14.275 | 22.354 | 0.042 | 0.087 | 213.914 | 3.027 | 0.087 | 227.738 | 2.465 | 0.086 | 2.1     | 0.009 | 0.086 | 2.047   | 0.015 |
| 67 | 14600 | 14601 | SN | 2 | -34.604 | 16.21  | 0.0 | -34.877 | 16.802 | 0.0 | -14.391 | 22.385 | 0.043 | -14.275 | 22.354 | 0.042 | 0.087 | 213.914 | 3.027 | 0.087 | 227.738 | 2.465 | 0.086 | 2.1     | 0.009 | 0.086 | 2.047   | 0.015 |
| 68 | 14600 | 14601 | NS | 1 | -34.499 | 16.465 | 0.0 | -34.999 | 15.634 | 0.0 | -14.838 | 22.87  | 0.016 | -22.402 | 22.908 | 0.048 | 0.087 | 208.759 | 2.561 | 0.087 | 234.218 | 2.382 | 0.086 | 2.321   | 0.005 | 0.086 | 12.941  | 0.022 |
| 69 | 14600 | 14601 | SN | 1 | -34.604 | 16.21  | 0.0 | -34.877 | 16.802 | 0.0 | -14.391 | 22.385 | 0.043 | -14.275 | 22.354 | 0.042 | 0.087 | 213.914 | 2.973 | 0.087 | 227.738 | 2.45  | 0.086 | 2.1     | 0.009 | 0.086 | 2.047   | 0.015 |

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

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



|     |       |       |    |   |         |        |     |         |        |     |         |        |       |         |        |       |       |         |       |       |         |       |       |         |       |       |         |       |
|-----|-------|-------|----|---|---------|--------|-----|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|
| 70  | 14601 | 14602 | SN | 2 | -34.68  | 16.94  | 0.0 | -34.923 | 17.218 | 0.0 | 1.229   | 21.852 | 0.0   | 0.506   | 22.064 | 0.009 | 0.087 | 217.625 | 4.547 | 0.087 | 230.175 | 4.075 | 0.086 | 0.132   | 0.0   | 0.086 | 0.142   | 0.0   |
| 71  | 14601 | 14602 | SN | 1 | -34.68  | 16.94  | 0.0 | -34.496 | 17.218 | 0.0 | 1.229   | 21.852 | 0.0   | 0.506   | 22.064 | 0.009 | 0.087 | 217.625 | 4.645 | 0.087 | 208.601 | 4.129 | 0.086 | 0.132   | 0.0   | 0.086 | 0.142   | 0.0   |
| 72  | 14601 | 14602 | SN | 1 | -34.68  | 16.94  | 0.0 | -34.923 | 17.218 | 0.0 | 1.229   | 21.852 | 0.0   | 0.506   | 22.064 | 0.009 | 0.087 | 217.625 | 4.547 | 0.087 | 230.175 | 4.075 | 0.086 | 0.132   | 0.0   | 0.086 | 0.142   | 0.0   |
| 73  | 14601 | 14602 | NS | 1 | -33.402 | 16.077 | 0.0 | -33.868 | 17.215 | 0.0 | -32.479 | 22.053 | 0.002 | -34.208 | 22.675 | 0.012 | 0.087 | 162.163 | 2.051 | 0.087 | 180.531 | 2.045 | 0.086 | 131.12  | 0.189 | 0.086 | 195.226 | 0.114 |
| 74  | 14601 | 14602 | NS | 1 | -33.402 | 16.075 | 0.0 | -33.868 | 17.215 | 0.0 | -32.479 | 22.053 | 0.004 | -34.208 | 22.675 | 0.012 | 0.087 | 162.163 | 2.057 | 0.087 | 180.531 | 2.043 | 0.086 | 131.12  | 0.189 | 0.086 | 195.226 | 0.114 |
| 75  | 14602 | 14603 | NS | 1 | -34.58  | 15.351 | 0.0 | -34.462 | 15.822 | 0.0 | -6.958  | 22.48  | 0.014 | -7.515  | 22.914 | 0.039 | 0.087 | 212.696 | 2.864 | 0.087 | 206.982 | 2.875 | 0.086 | 0.435   | 0.0   | 0.086 | 0.485   | 0.0   |
| 76  | 14602 | 14603 | NS | 1 | -34.906 | 15.353 | 0.0 | -34.386 | 15.82  | 0.0 | -6.958  | 22.478 | 0.014 | -7.51   | 22.914 | 0.039 | 0.087 | 229.236 | 2.862 | 0.087 | 203.426 | 2.876 | 0.086 | 0.435   | 0.0   | 0.086 | 0.485   | 0.0   |
| 77  | 14602 | 14603 | SN | 1 | -34.694 | 16.832 | 0.0 | -34.346 | 17.331 | 0.0 | 0.526   | 21.833 | 0.0   | 1.55    | 22.208 | 0.032 | 0.087 | 218.312 | 3.555 | 0.087 | 201.518 | 3.409 | 0.086 | 0.141   | 0.0   | 0.086 | 0.129   | 0.0   |
| 78  | 14602 | 14603 | SN | 1 | -34.939 | 16.832 | 0.0 | -34.346 | 17.331 | 0.0 | 0.526   | 21.833 | 0.0   | 1.55    | 22.208 | 0.03  | 0.087 | 230.98  | 3.49  | 0.087 | 201.518 | 3.366 | 0.086 | 0.141   | 0.0   | 0.086 | 0.129   | 0.0   |
| 79  | 14603 | 14604 | NS | 1 | -34.973 | 14.868 | 0.0 | -34.902 | 15.037 | 0.0 | -19.854 | 22.045 | 0.002 | -18.223 | 22.726 | 0.023 | 0.087 | 232.765 | 2.506 | 0.087 | 228.983 | 2.259 | 0.086 | 7.225   | 0.01  | 0.086 | 4.984   | 0.019 |
| 80  | 14603 | 14604 | SN | 1 | -34.948 | 17.291 | 0.0 | -34.971 | 17.607 | 0.0 | -0.162  | 21.846 | 0.0   | 0.942   | 22.099 | 0.007 | 0.087 | 231.487 | 7.853 | 0.087 | 232.748 | 7.527 | 0.086 | 0.152   | 0.0   | 0.086 | 0.136   | 0.0   |
| 81  | 14604 | 14605 | NS | 1 | -34.707 | 20.036 | 0.0 | -33.778 | 20.466 | 0.0 | -31.958 | 22.39  | 0.013 | -21.758 | 22.552 | 0.041 | 0.086 | 218.935 | 1.688 | 0.086 | 176.827 | 1.626 | 0.086 | 116.31  | 0.114 | 0.086 | 11.167  | 0.101 |
| 82  | 14604 | 14605 | NS | 1 | -34.676 | 20.037 | 0.0 | -33.437 | 20.466 | 0.0 | -32.227 | 22.388 | 0.013 | -21.778 | 22.554 | 0.041 | 0.086 | 217.428 | 1.693 | 0.086 | 163.472 | 1.629 | 0.086 | 123.721 | 0.114 | 0.086 | 11.217  | 0.101 |
| 83  | 14604 | 14605 | SN | 1 | -34.916 | 15.613 | 0.0 | -34.714 | 15.47  | 0.0 | -3.889  | 22.73  | 0.076 | 0.42    | 22.702 | 0.143 | 0.087 | 229.771 | 5.072 | 0.087 | 219.39  | 4.952 | 0.086 | 0.252   | 0.0   | 0.086 | 0.143   | 0.0   |
| 84  | 14604 | 14605 | SN | 2 | -34.916 | 15.613 | 0.0 | -34.714 | 15.47  | 0.0 | -3.889  | 22.73  | 0.071 | 0.42    | 22.702 | 0.143 | 0.087 | 229.771 | 4.92  | 0.087 | 219.39  | 4.62  | 0.086 | 0.252   | 0.0   | 0.086 | 0.143   | 0.0   |
| 85  | 14604 | 14605 | SN | 1 | -34.916 | 15.613 | 0.0 | -34.714 | 15.47  | 0.0 | -3.889  | 22.73  | 0.071 | 0.42    | 22.702 | 0.143 | 0.087 | 229.771 | 4.92  | 0.087 | 219.39  | 4.62  | 0.086 | 0.252   | 0.0   | 0.086 | 0.143   | 0.0   |
| 86  | 14605 | 14606 | SN | 2 | -32.98  | 16.92  | 0.0 | -32.725 | 17.703 | 0.0 | -13.522 | 23.246 | 0.158 | -10.182 | 24.946 | 0.517 | 0.087 | 147.183 | 1.589 | 0.086 | 138.751 | 1.268 | 0.086 | 1.731   | 0.001 | 0.086 | 0.838   | 0.0   |
| 87  | 14605 | 14606 | SN | 1 | -32.624 | 16.92  | 0.0 | -32.725 | 17.703 | 0.0 | -13.524 | 23.246 | 0.17  | -10.182 | 24.946 | 0.518 | 0.087 | 135.601 | 1.6   | 0.086 | 138.751 | 1.458 | 0.086 | 1.731   | 0.002 | 0.086 | 0.838   | 0.0   |
| 88  | 14605 | 14606 | NS | 1 | -34.428 | 19.995 | 0.0 | -34.803 | 21.716 | 0.0 | 1.08    | 22.01  | 0.003 | -0.322  | 22.82  | 0.068 | 0.086 | 205.409 | 4.837 | 0.086 | 223.867 | 4.167 | 0.086 | 0.134   | 0.0   | 0.086 | 0.154   | 0.0   |
| 89  | 14605 | 14606 | SN | 1 | -32.624 | 16.92  | 0.0 | -32.725 | 17.703 | 0.0 | -13.522 | 23.246 | 0.158 | -10.182 | 24.946 | 0.517 | 0.087 | 135.601 | 1.589 | 0.086 | 138.751 | 1.268 | 0.086 | 1.731   | 0.001 | 0.086 | 0.838   | 0.0   |
| 90  | 14605 | 14606 | NS | 1 | -33.944 | 19.997 | 0.0 | -34.543 | 21.716 | 0.0 | 1.08    | 22.01  | 0.003 | -0.322  | 22.839 | 0.068 | 0.086 | 183.705 | 4.838 | 0.086 | 210.883 | 4.19  | 0.086 | 0.134   | 0.0   | 0.086 | 0.154   | 0.0   |
| 91  | 14606 | 14607 | SN | 1 | -34.148 | 18.462 | 0.0 | -31.801 | 17.452 | 0.0 | -26.306 | 22.86  | 0.077 | -28.619 | 23.719 | 0.249 | 0.086 | 192.551 | 0.937 | 0.087 | 112.184 | 0.705 | 0.086 | 31.707  | 0.029 | 0.086 | 53.948  | 0.01  |
| 92  | 14606 | 14607 | NS | 1 | -34.886 | 20.394 | 0.0 | -34.807 | 16.791 | 0.0 | -1.335  | 22.364 | 0.002 | -3.442  | 23.584 | 0.37  | 0.086 | 228.235 | 4.534 | 0.087 | 224.123 | 4.186 | 0.086 | 0.174   | 0.0   | 0.086 | 0.234   | 0.0   |
| 93  | 14606 | 14607 | NS | 2 | -34.886 | 20.394 | 0.0 | -34.807 | 16.791 | 0.0 | -1.335  | 22.364 | 0.002 | -3.442  | 23.584 | 0.37  | 0.086 | 228.235 | 4.533 | 0.087 | 224.123 | 4.188 | 0.086 | 0.174   | 0.0   | 0.086 | 0.234   | 0.0   |
| 94  | 14607 | 14608 | NS | 1 | -34.803 | 20.292 | 0.0 | -34.948 | 18.868 | 0.0 | -23.038 | 20.727 | 0.0   | -26.096 | 23.813 | 0.821 | 0.086 | 223.863 | 2.887 | 0.086 | 231.504 | 2.832 | 0.086 | 14.969  | 0.177 | 0.086 | 30.21   | 0.196 |
| 95  | 14607 | 14608 | SN | 1 | -34.762 | 20.54  | 0.0 | -33.322 | 20.616 | 0.0 | -6.522  | 22.959 | 0.079 | -5.966  | 22.702 | 0.019 | 0.086 | 221.83  | 3.379 | 0.086 | 159.238 | 2.809 | 0.086 | 0.4     | 0.0   | 0.086 | 0.361   | 0.0   |
| 96  | 14608 | 14609 | NS | 1 | -33.566 | 15.057 | 0.0 | -34.111 | 14.881 | 0.0 | -2.948  | 21.944 | 0.0   | -8.587  | 24.008 | 0.633 | 0.087 | 168.446 | 1.52  | 0.087 | 190.889 | 1.266 | 0.086 | 0.217   | 0.0   | 0.086 | 0.601   | 0.0   |
| 97  | 14608 | 14609 | SN | 1 | -34.563 | 20.8   | 0.0 | -33.466 | 20.572 | 0.0 | -28.553 | 23.566 | 0.089 | -26.508 | 23.309 | 0.036 | 0.086 | 211.804 | 2.691 | 0.086 | 164.559 | 2.383 | 0.086 | 53.133  | 0.183 | 0.086 | 33.206  | 0.028 |
| 98  | 14609 | 14610 | SN | 1 | -34.699 | 17.263 | 0.0 | -33.853 | 15.953 | 0.0 | -24.009 | 22.871 | 0.06  | -29.184 | 23.061 | 0.035 | 0.087 | 218.569 | 3.406 | 0.087 | 179.867 | 2.389 | 0.086 | 18.706  | 0.089 | 0.086 | 61.442  | 0.072 |
| 99  | 14609 | 14610 | SN | 1 | -33.888 | 17.263 | 0.0 | -33.95  | 15.953 | 0.0 | -23.963 | 22.871 | 0.06  | -29.286 | 23.061 | 0.035 | 0.087 | 181.368 | 3.387 | 0.087 | 183.982 | 2.368 | 0.086 | 18.509  | 0.091 | 0.086 | 62.89   | 0.073 |
| 100 | 14609 | 14610 | NS | 1 | -34.666 | 14.264 | 0.0 | -34.566 | 17.84  | 0.0 | -9.574  | 22.579 | 0.018 | -4.52   | 23.942 | 0.631 | 0.088 | 216.972 | 1.967 | 0.086 | 211.954 | 2.013 | 0.086 | 0.737   | 0.0   | 0.086 | 0.279   | 0.0   |
| 101 | 14609 | 14610 | NS | 1 | -34.666 | 14.25  | 0.0 | -34.566 | 17.84  | 0.0 | -9.574  | 22.602 | 0.02  | -4.52   | 23.952 | 0.692 | 0.088 | 216.972 | 1.97  | 0.086 | 211.954 | 2.013 | 0.086 | 0.737   | 0.0   | 0.086 | 0.279   | 0.0   |
| 102 | 14610 | 14611 | NS | 2 | -34.965 | 19.062 | 0.0 | -34.837 | 17.752 | 0.0 | 0.91    | 21.527 | 0.0   | 3.032   | 23.202 | 0.851 | 0.086 | 232.425 | 6.722 | 0.086 | 225.659 | 6.451 | 0.086 | 0.136   | 0.0   | 0.086 | 0.116   | 0.0   |
| 103 | 14610 | 14611 | SN | 1 | -34.943 | 17.229 | 0.0 | -34.922 | 16.829 | 0.0 | -17.733 | 23.262 | 0.108 | -27.092 | 22.877 | 0.087 | 0.087 | 231.256 | 3.588 | 0.087 | 230.07  | 2.754 | 0.086 | 4.459   | 0.047 | 0.086 | 38.951  | 0.046 |
| 104 | 14610 | 14611 | NS | 1 | -34.965 | 19.062 | 0.0 | -34.837 | 17.752 | 0.0 | 0.91    | 21.527 | 0.0   | 3.032   | 23.202 | 0.848 | 0.086 | 232.425 | 6.716 | 0.086 | 225.659 | 6.435 | 0.086 | 0.136   | 0.0   | 0.086 | 0.116   | 0.0   |
| 105 | 14610 | 14611 | SN | 1 | -34.386 | 17.229 | 0.0 | -34.583 | 16.829 | 0.0 | -17.885 | 23.262 | 0.108 | -15.725 | 22.877 | 0.087 | 0.087 | 203.393 | 3.59  | 0.087 | 212.838 | 2.752 | 0.086 | 4.615   | 0.047 | 0.086 | 2.831   | 0.044 |
| 106 | 14610 | 14611 | NS | 1 | -34.965 | 19.062 | 0.0 | -34.837 | 17.755 | 0.0 | 0.91    | 20.832 | 0.0   | 3.032   | 23.204 | 1.195 | 0.086 | 232.425 | 6.741 | 0.086 | 225.659 | 6.451 | 0.086 | 0.136   | 0.0   | 0.086 | 0.116   | 0.0   |

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

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

|     |       |       |    |   |         |        |     |         |        |     |        |        |       |        |        |       |       |         |       |       |         |       |       |       |     |       |       |     |
|-----|-------|-------|----|---|---------|--------|-----|---------|--------|-----|--------|--------|-------|--------|--------|-------|-------|---------|-------|-------|---------|-------|-------|-------|-----|-------|-------|-----|
| 107 | 14611 | 14612 | SN | 1 | -34.929 | 12.844 | 0.0 | -34.838 | 12.169 | 0.0 | -4.579 | 22.93  | 0.189 | -1.82  | 22.293 | 0.034 | 0.088 | 230.531 | 3.873 | 0.089 | 225.718 | 3.53  | 0.086 | 0.282 | 0.0 | 0.086 | 0.185 | 0.0 |
| 108 | 14611 | 14612 | NS | 1 | -34.966 | 19.282 | 0.0 | -34.909 | 18.963 | 0.0 | 2.737  | 20.201 | 0.0   | 3.308  | 23.292 | 0.361 | 0.086 | 232.435 | 7.543 | 0.086 | 229.41  | 7.752 | 0.086 | 0.118 | 0.0 | 0.086 | 0.114 | 0.0 |
| 109 | 14611 | 14612 | NS | 2 | -34.966 | 19.282 | 0.0 | -34.909 | 18.963 | 0.0 | 1.792  | 22.461 | 0.097 | 2.63   | 23.41  | 0.851 | 0.086 | 232.435 | 7.461 | 0.086 | 229.41  | 7.753 | 0.086 | 0.126 | 0.0 | 0.086 | 0.119 | 0.0 |
| 110 | 14611 | 14612 | NS | 1 | -34.966 | 19.282 | 0.0 | -34.909 | 18.963 | 0.0 | 1.793  | 22.461 | 0.097 | 2.63   | 23.41  | 0.85  | 0.086 | 232.435 | 7.467 | 0.086 | 229.41  | 7.752 | 0.086 | 0.126 | 0.0 | 0.086 | 0.119 | 0.0 |
| 111 | 14611 | 14612 | SN | 2 | -34.929 | 12.844 | 0.0 | -34.838 | 12.169 | 0.0 | -4.579 | 22.93  | 0.189 | -1.82  | 22.293 | 0.034 | 0.088 | 230.531 | 3.873 | 0.089 | 225.718 | 3.529 | 0.086 | 0.282 | 0.0 | 0.086 | 0.185 | 0.0 |
| 112 | 14612 | 14613 | NS | 1 | -34.998 | 18.306 | 0.0 | -34.96  | 17.922 | 0.0 | -3.545 | 23.372 | 0.338 | -2.569 | 23.519 | 0.686 | 0.086 | 234.158 | 4.951 | 0.086 | 232.107 | 4.756 | 0.086 | 0.238 | 0.0 | 0.086 | 0.206 | 0.0 |
| 113 | 14612 | 14613 | SN | 1 | -34.976 | 16.958 | 0.0 | -34.803 | 18.493 | 0.0 | -1.63  | 22.245 | 0.004 | 0.099  | 22.515 | 0.023 | 0.087 | 232.994 | 5.694 | 0.086 | 223.82  | 4.89  | 0.086 | 0.181 | 0.0 | 0.086 | 0.148 | 0.0 |
| 114 | 14612 | 14613 | NS | 1 | -34.998 | 18.306 | 0.0 | -34.984 | 17.921 | 0.0 | -3.545 | 23.372 | 0.338 | -2.571 | 23.518 | 0.688 | 0.086 | 234.158 | 4.951 | 0.086 | 233.352 | 4.756 | 0.086 | 0.238 | 0.0 | 0.086 | 0.206 | 0.0 |
| 115 | 14612 | 14613 | SN | 1 | -34.956 | 15.685 | 0.0 | -34.926 | 12.952 | 0.0 | -1.633 | 20.06  | 0.0   | 0.033  | 22.246 | 0.01  | 0.087 | 231.904 | 6.14  | 0.088 | 230.322 | 4.521 | 0.086 | 0.181 | 0.0 | 0.086 | 0.149 | 0.0 |
| 116 | 14612 | 14613 | NS | 1 | -34.998 | 15.068 | 0.0 | -34.984 | 17.95  | 0.0 | -3.545 | 22.551 | 0.019 | -2.571 | 22.837 | 0.053 | 0.087 | 234.158 | 5.131 | 0.086 | 233.352 | 4.792 | 0.086 | 0.238 | 0.0 | 0.086 | 0.206 | 0.0 |
| 117 | 14612 | 14613 | SN | 1 | -34.595 | 15.685 | 0.0 | -34.982 | 12.952 | 0.0 | 0.353  | 20.06  | 0.0   | 0.48   | 22.246 | 0.011 | 0.087 | 213.415 | 5.974 | 0.088 | 233.27  | 5.507 | 0.086 | 0.144 | 0.0 | 0.086 | 0.142 | 0.0 |
| 118 | 14612 | 14613 | NS | 1 | -34.998 | 15.068 | 0.0 | -34.984 | 17.95  | 0.0 | -3.545 | 19.488 | 0.0   | -2.571 | 19.007 | 0.0   | 0.087 | 234.158 | 5.016 | 0.086 | 233.352 | 4.69  | 0.086 | 0.238 | 0.0 | 0.086 | 0.206 | 0.0 |

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

Normal

Deviations

Alarming

High Errors