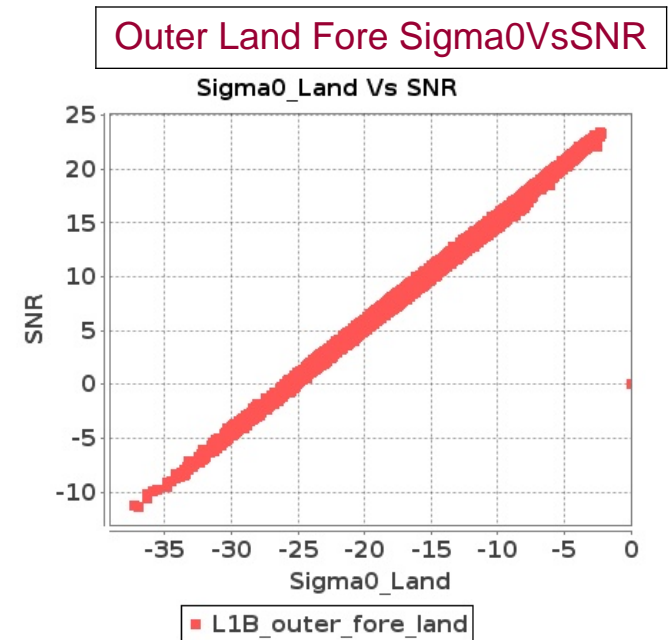
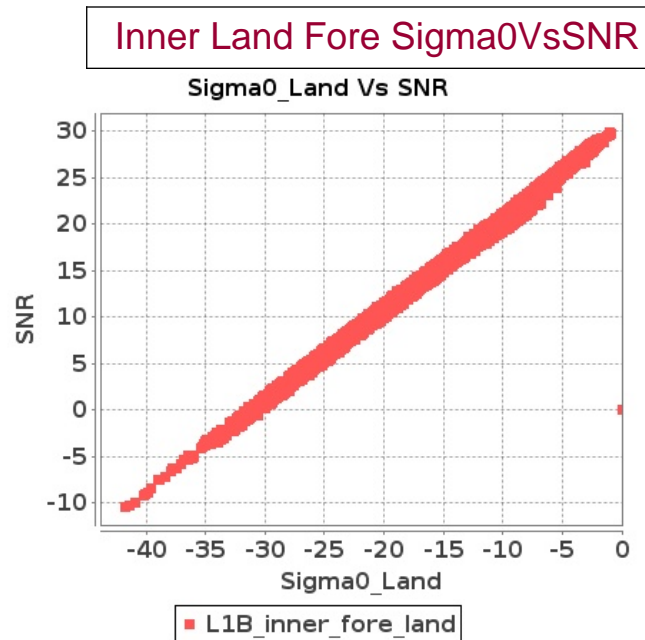
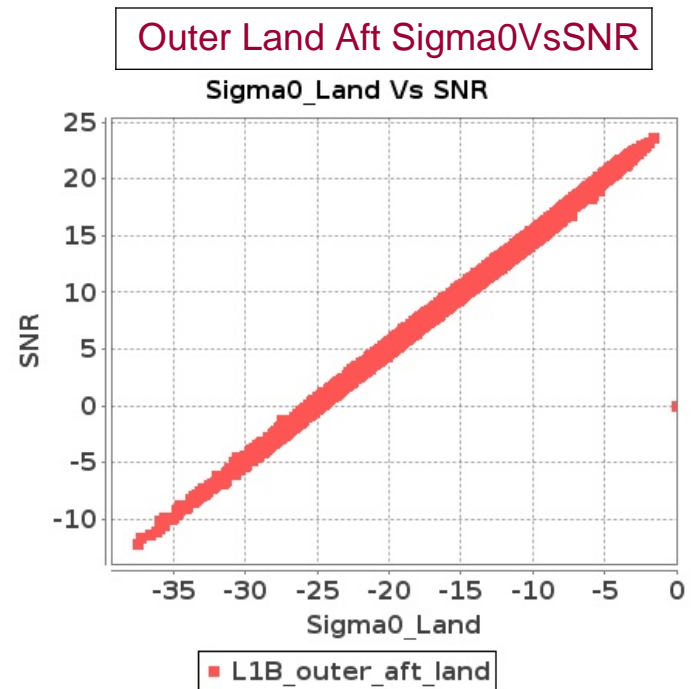
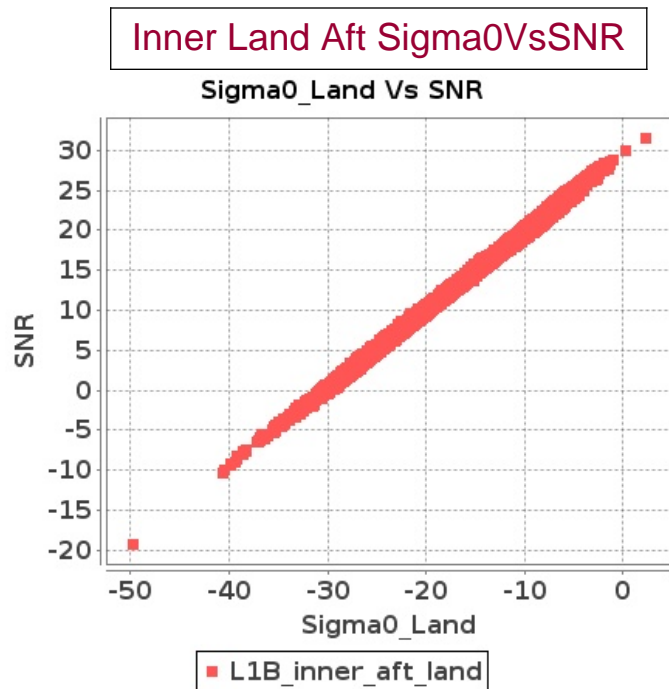
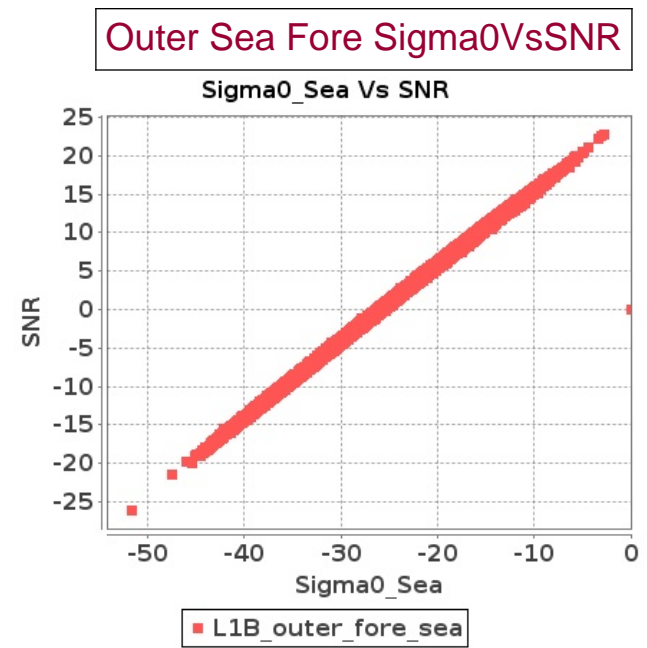
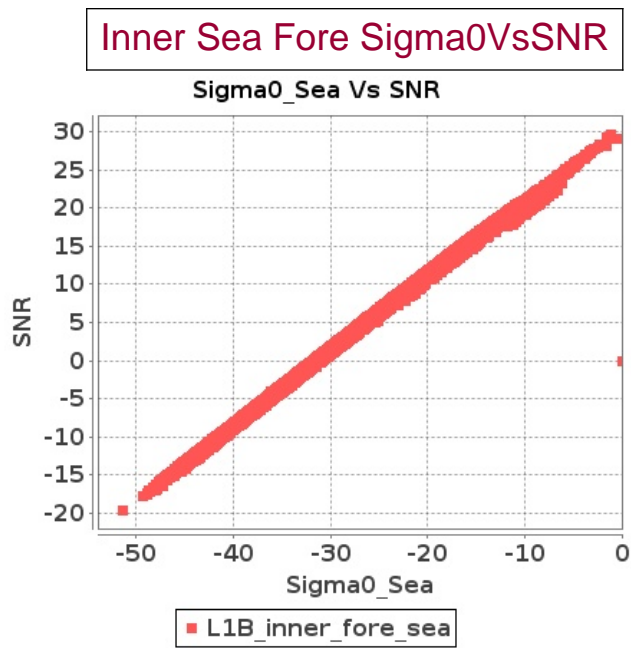
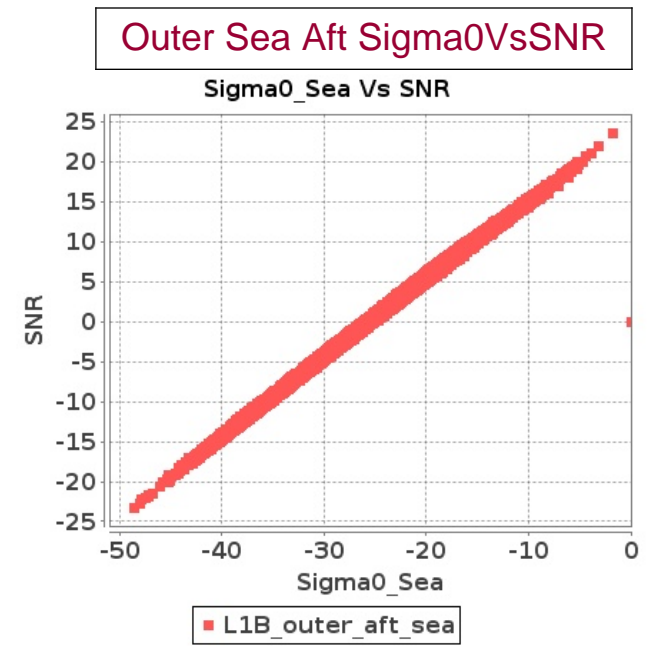
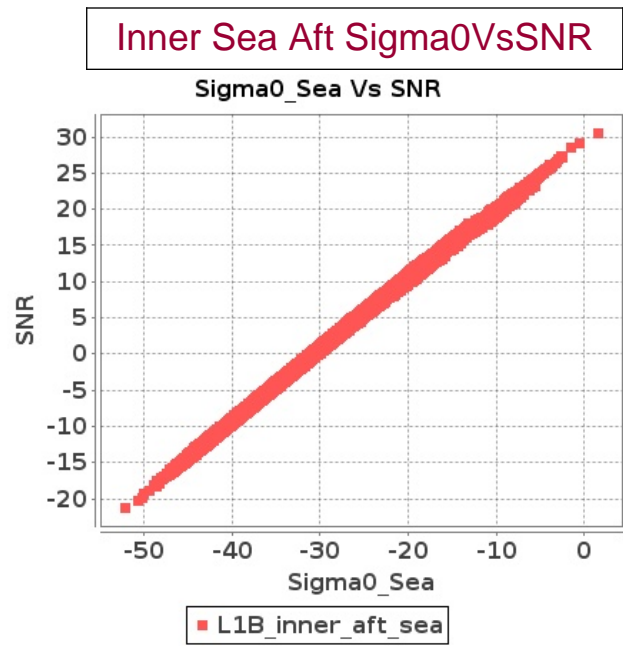
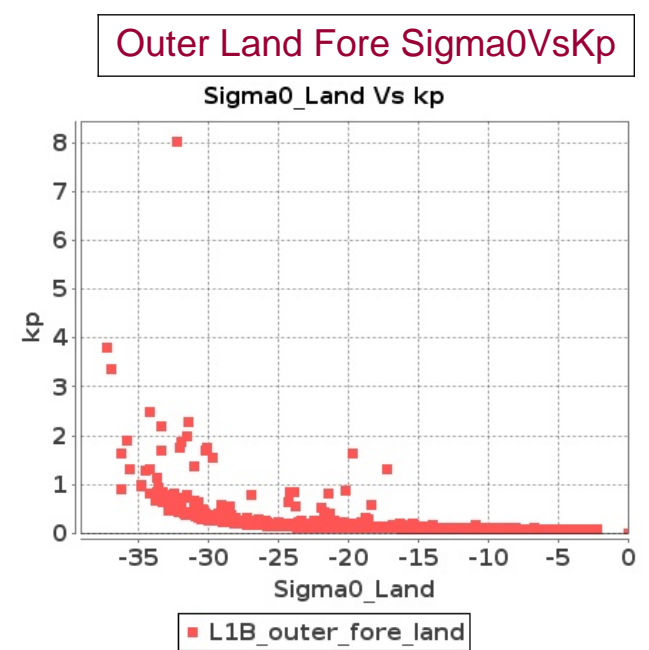
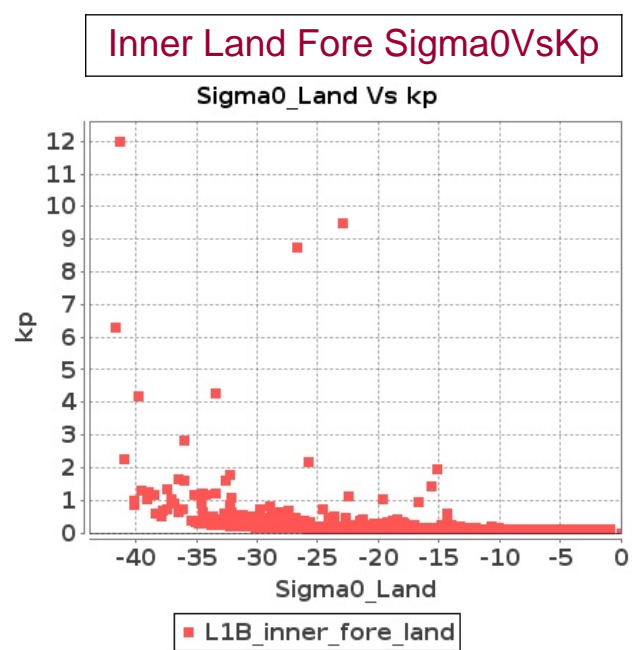
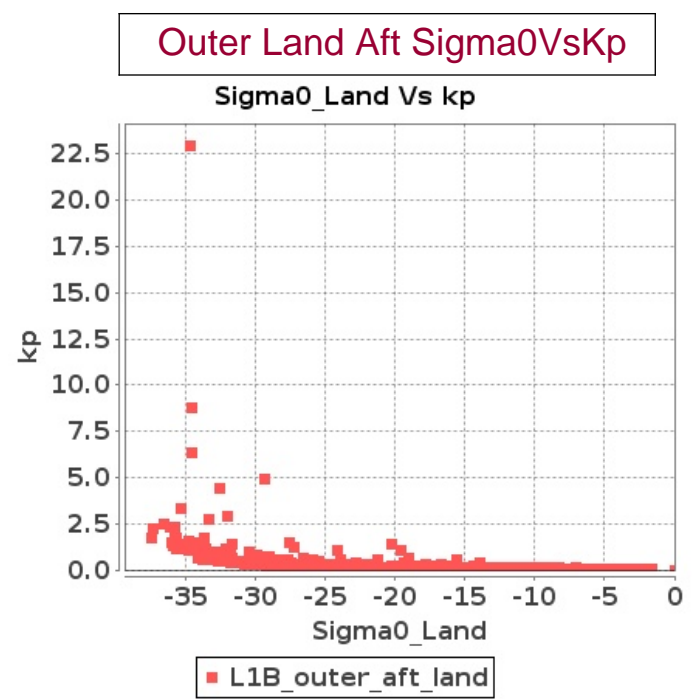
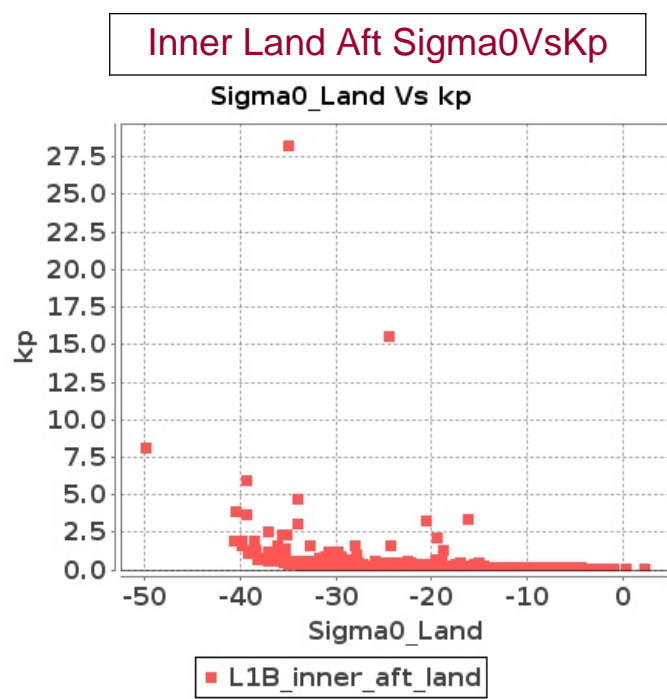
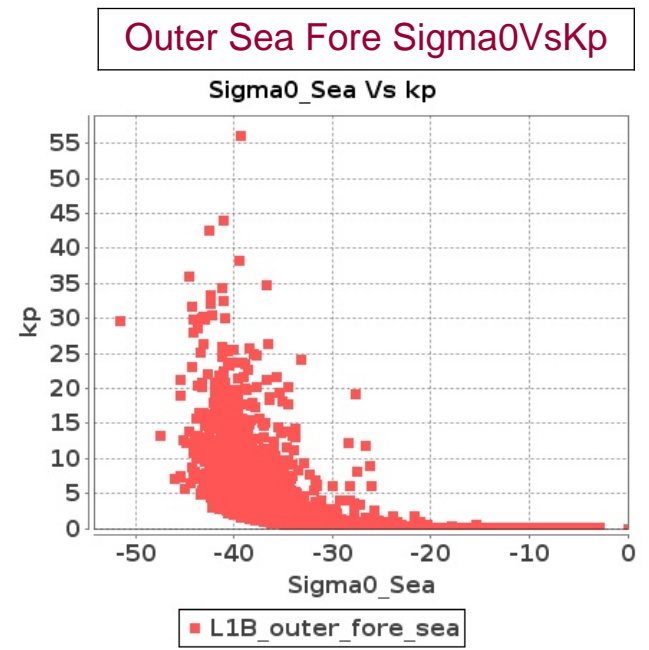
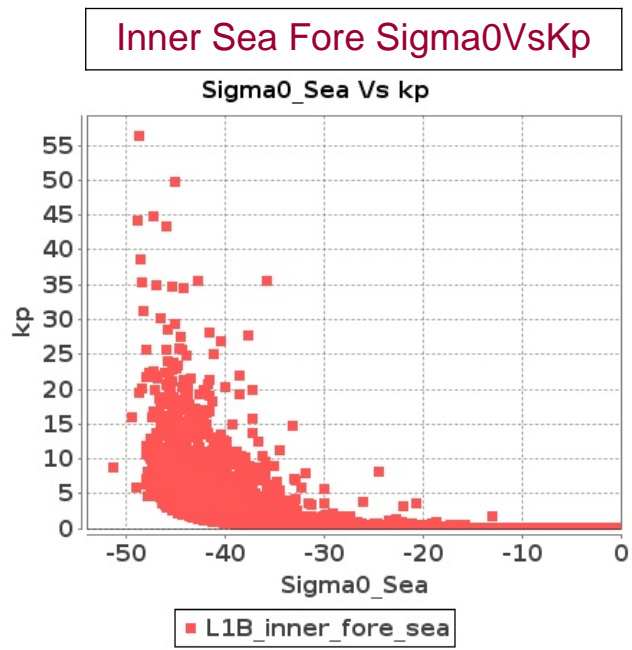
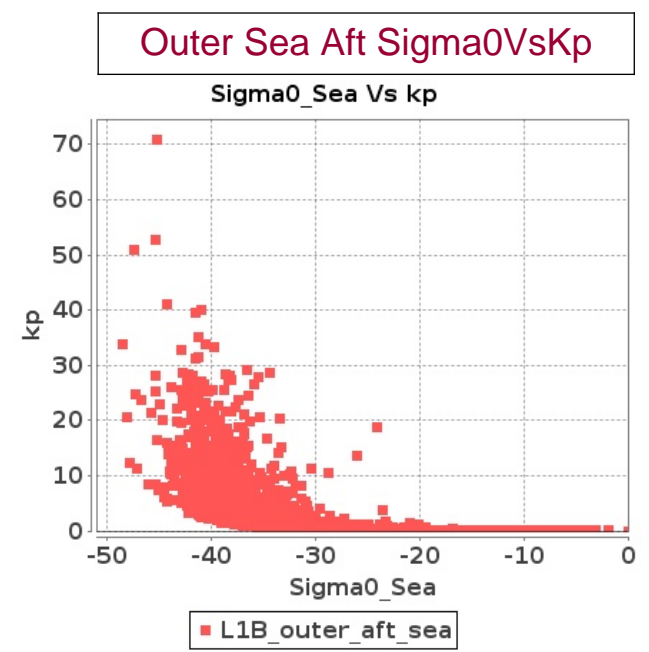
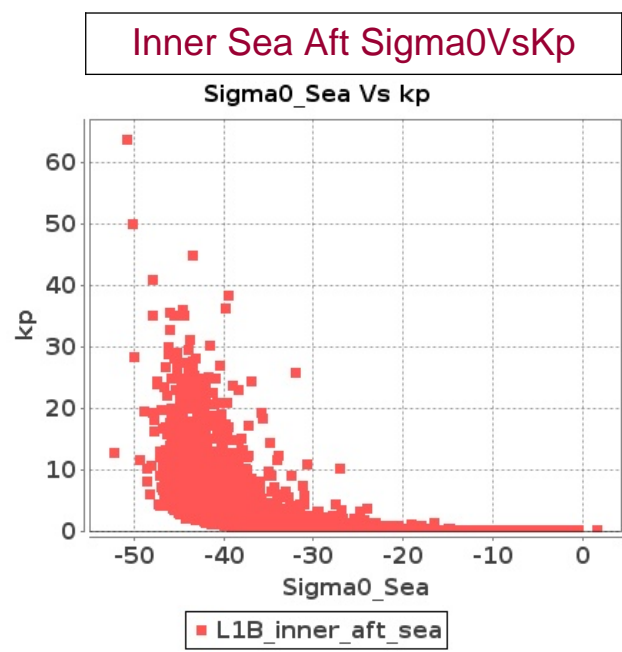


# SCATSAT-1 Scatterometer Level-1B Data Quality Cycle wise Report

Report between 07-MAR-2019 To 08-MAR-2019





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

Report between 07-MAR-2019 To 08-MAR-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     | 12932       | 12933     | SN   | 1    | 48.647          | 49.401 | 0.0       | 0.003         | 5.421   | 2.248     | 1016.856 | 1081.208 | 28.381    | -91.666  | -89.709 | 0.0       |
| 2     | 12932       | 12933     | SN   | 1    | 48.648          | 49.4   | 0.0       | 0.003         | 5.421   | 2.249     | 1016.776 | 1081.216 | 28.379    | -91.666  | -89.708 | 0.0       |
| 3     | 12932       | 12933     | NS   | 2    | 48.814          | 49.428 | 0.0       | 0.0           | 206.829 | 3.047     | 1050.488 | 1085.52  | 0.0       | -92.291  | -90.002 | 0.0       |
| 4     | 12932       | 12933     | NS   | 1    | 48.814          | 49.428 | 0.0       | 0.0           | 206.829 | 3.047     | 1050.488 | 1085.52  | 0.0       | -92.291  | -90.002 | 0.0       |
| 5     | 12932       | 12933     | SN   | 1    | 48.648          | 49.4   | 0.0       | 0.003         | 5.421   | 2.249     | 1016.776 | 1081.216 | 28.379    | -91.666  | -89.708 | 0.0       |
| 6     | 12933       | 12934     | SN   | 2    | 48.64           | 49.388 | 0.0       | 0.0           | 128.268 | 2.331     | 1016.464 | 1081.056 | 29.645    | -91.651  | -89.731 | 0.0       |
| 7     | 12933       | 12934     | SN   | 1    | 48.64           | 49.388 | 0.0       | 0.0           | 128.268 | 2.331     | 1016.464 | 1081.056 | 29.645    | -91.651  | -89.731 | 0.0       |
| 8     | 12933       | 12934     | SN   | 1    | 48.64           | 49.388 | 0.0       | 0.0           | 128.268 | 2.331     | 1016.464 | 1081.056 | 29.646    | -91.651  | -89.731 | 0.0       |
| 9     | 12933       | 12934     | NS   | 1    | 48.803          | 49.448 | 0.0       | 0.0           | 263.998 | 3.005     | 1050.488 | 1085.672 | 0.0       | -92.473  | -90.0   | 0.0       |
| 10    | 12934       | 12935     | SN   | 1    | 48.661          | 49.415 | 0.0       | 0.0           | 237.614 | 2.836     | 1016.552 | 1081.672 | 29.182    | -91.722  | -89.703 | 0.0       |
| 11    | 12934       | 12935     | SN   | 1    | 48.647          | 49.415 | 0.0       | 0.0           | 237.614 | 2.543     | 1016.56  | 1081.664 | 29.777    | -91.722  | -89.703 | 0.0       |
| 12    | 12935       | 12936     | NS   | 1    | 48.817          | 49.429 | 0.0       | 0.0           | 206.928 | 2.868     | 1050.592 | 1085.184 | 0.0       | -91.816  | -90.051 | 0.0       |
| 13    | 12935       | 12936     | SN   | 1    | 48.691          | 49.373 | 0.0       | 0.003         | 28.728  | 2.537     | 1016.072 | 1081.4   | 28.982    | -91.607  | -89.725 | 0.0       |
| 14    | 12935       | 12936     | SN   | 2    | 48.691          | 49.373 | 0.0       | 0.003         | 28.728  | 2.537     | 1016.072 | 1081.4   | 28.982    | -91.607  | -89.725 | 0.0       |
| 15    | 12936       | 12937     | NS   | 1    | 48.762          | 49.422 | 0.0       | 0.0           | 138.906 | 2.775     | 1050.76  | 1086.152 | 0.0       | -91.772  | -90.048 | 0.0       |
| 16    | 12936       | 12937     | SN   | 1    | 48.678          | 49.393 | 0.0       | 0.0           | 148.475 | 2.747     | 1016.688 | 1081.2   | 29.254    | -93.587  | -89.725 | 0.0       |
| 17    | 12936       | 12937     | NS   | 1    | 48.762          | 49.431 | 0.0       | 0.0           | 138.906 | 2.778     | 1050.76  | 1085.904 | 0.0       | -91.773  | -90.048 | 0.0       |
| 18    | 12936       | 12937     | SN   | 1    | 48.679          | 49.392 | 0.0       | 0.0           | 148.475 | 2.036     | 1016.68  | 1081.192 | 30.682    | -93.587  | -89.725 | 0.0       |
| 19    | 12937       | 12938     | SN   | 1    | 48.644          | 49.356 | 0.0       | 0.0           | 151.811 | 2.968     | 1016.28  | 1081.248 | 26.694    | -92.131  | -89.72  | 0.0       |
| 20    | 12937       | 12938     | SN   | 1    | 48.657          | 49.356 | 0.0       | 0.0           | 151.811 | 2.435     | 1016.512 | 1081.248 | 27.667    | -92.131  | -89.72  | 0.0       |
| 21    | 12937       | 12938     | NS   | 1    | 48.816          | 49.397 | 0.0       | 0.0           | 266.694 | 2.605     | 1050.768 | 1085.424 | 0.0       | -91.671  | -90.049 | 0.0       |
| 22    | 12938       | 12939     | SN   | 1    | 48.428          | 49.361 | 0.0       | 0.0           | 186.324 | 1.942     | 1012.448 | 1081.224 | 24.724    | -93.729  | -89.713 | 0.0       |
| 23    | 12938       | 12939     | SN   | 1    | 48.428          | 49.361 | 0.0       | 0.0           | 186.324 | 2.9       | 1012.448 | 1081.224 | 23.13     | -93.729  | -89.713 | 0.0       |
| 24    | 12938       | 12939     | NS   | 1    | 48.795          | 49.412 | 0.0       | 0.003         | 266.59  | 2.771     | 1050.592 | 1085.504 | 0.0       | -91.846  | -90.041 | 0.0       |
| 25    | 12939       | 12940     | SN   | 1    | 48.644          | 49.347 | 0.0       | 0.0           | 283.267 | 2.512     | 1016.224 | 1080.904 | 27.382    | -92.36   | -89.696 | 0.0       |
| 26    | 12939       | 12940     | NS   | 1    | 48.815          | 49.774 | 0.0       | 0.0           | 263.986 | 3.159     | 1051.088 | 1085.88  | 0.0       | -94.197  | -90.033 | 0.0       |
| 27    | 12939       | 12940     | SN   | 1    | 48.644          | 49.347 | 0.0       | 0.0           | 283.267 | 2.512     | 1016.224 | 1080.904 | 27.382    | -92.36   | -89.696 | 0.0       |
| 28    | 12940       | 12941     | SN   | 1    | 48.668          | 49.346 | 0.0       | 0.0           | 164.297 | 2.809     | 1015.864 | 1080.44  | 27.311    | -91.486  | -89.724 | 0.0       |
| 29    | 12940       | 12941     | SN   | 1    | 48.668          | 49.346 | 0.0       | 0.0           | 164.297 | 2.786     | 1015.864 | 1080.44  | 27.363    | -91.486  | -89.724 | 0.0       |
| 30    | 12941       | 12942     | NS   | 1    | 48.77           | 49.407 | 0.0       | 0.0           | 91.003  | 2.335     | 1051.6   | 1085.688 | 0.0       | -91.768  | -90.04  | 0.0       |
| 31    | 12941       | 12942     | SN   | 1    | 48.7            | 49.384 | 0.0       | 0.0           | 199.731 | 3.469     | 1016.928 | 1080.968 | 27.861    | -92.058  | -89.705 | 0.0       |
| 32    | 12941       | 12942     | NS   | 1    | 48.77           | 49.407 | 0.0       | 0.0           | 91.003  | 2.347     | 1051.6   | 1085.688 | 0.0       | -91.759  | -90.04  | 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 | 12941 | 12942 | NS | 2 | 48.77  | 49.407 | 0.0 | 0.0   | 91.003  | 2.347 | 1051.6   | 1085.688 | 0.0    | -91.759 | -90.04  | 0.0 |
| 34 | 12941 | 12942 | SN | 1 | 48.7   | 49.384 | 0.0 | 0.0   | 199.731 | 3.469 | 1016.928 | 1080.968 | 27.861 | -92.058 | -89.705 | 0.0 |
| 35 | 12942 | 12943 | NS | 1 | 48.693 | 49.431 | 0.0 | 0.0   | 206.465 | 2.614 | 1050.6   | 1084.48  | 0.0    | -92.704 | -90.057 | 0.0 |
| 36 | 12942 | 12943 | NS | 2 | 48.693 | 49.431 | 0.0 | 0.0   | 206.465 | 2.614 | 1050.6   | 1084.48  | 0.0    | -92.704 | -90.057 | 0.0 |
| 37 | 12942 | 12943 | SN | 1 | 48.708 | 49.372 | 0.0 | 0.0   | 215.267 | 1.596 | 1016.912 | 1079.536 | 31.474 | -91.562 | -89.71  | 0.0 |
| 38 | 12943 | 12944 | NS | 1 | 48.784 | 49.405 | 0.0 | 0.003 | 264.086 | 2.525 | 1051.4   | 1084.456 | 0.0    | -91.79  | -90.052 | 0.0 |
| 39 | 12943 | 12944 | NS | 1 | 48.785 | 49.406 | 0.0 | 0.003 | 267.02  | 2.273 | 1051.4   | 1084.936 | 0.0    | -91.79  | -90.052 | 0.0 |
| 40 | 12943 | 12944 | SN | 1 | 48.648 | 49.35  | 0.0 | 0.003 | 216.177 | 2.596 | 1016.32  | 1080.92  | 27.842 | -91.546 | -89.728 | 0.0 |
| 41 | 12943 | 12944 | NS | 1 | 48.785 | 49.406 | 0.0 | 0.003 | 267.02  | 2.526 | 1051.4   | 1084.472 | 0.0    | -91.79  | -90.052 | 0.0 |
| 42 | 12943 | 12944 | SN | 1 | 48.641 | 49.345 | 0.0 | 0.003 | 216.177 | 2.593 | 1016.32  | 1080.92  | 27.813 | -91.524 | -89.728 | 0.0 |
| 43 | 12944 | 12945 | NS | 1 | 48.817 | 49.418 | 0.0 | 0.0   | 266.887 | 2.785 | 1051.08  | 1085.096 | 0.0    | -91.622 | -90.055 | 0.0 |
| 44 | 12944 | 12945 | SN | 1 | 48.676 | 49.355 | 0.0 | 0.003 | 215.074 | 1.572 | 1017.032 | 1080.968 | 30.484 | -91.631 | -89.73  | 0.0 |
| 45 | 12944 | 12945 | NS | 1 | 48.817 | 49.409 | 0.0 | 0.0   | 266.887 | 1.756 | 1051.08  | 1084.872 | 0.0    | -91.716 | -90.055 | 0.0 |
| 46 | 12944 | 12945 | SN | 1 | 48.676 | 49.355 | 0.0 | 0.003 | 215.074 | 2.695 | 1017.032 | 1080.968 | 28.868 | -91.631 | -89.73  | 0.0 |
| 47 | 12944 | 12945 | SN | 2 | 48.676 | 49.355 | 0.0 | 0.003 | 215.074 | 2.695 | 1017.032 | 1080.968 | 28.868 | -91.631 | -89.73  | 0.0 |
| 48 | 12944 | 12945 | NS | 1 | 48.817 | 49.418 | 0.0 | 0.0   | 266.887 | 2.786 | 1051.08  | 1085.096 | 0.0    | -91.745 | -90.055 | 0.0 |
| 49 | 12945 | 12946 | NS | 1 | 48.819 | 49.417 | 0.0 | 0.0   | 51.681  | 2.841 | 1051.264 | 1084.36  | 0.0    | -91.745 | -90.042 | 0.0 |
| 50 | 12945 | 12946 | SN | 2 | 48.648 | 49.347 | 0.0 | 0.0   | 103.875 | 2.901 | 1017.168 | 1080.68  | 28.75  | -92.164 | -89.714 | 0.0 |
| 51 | 12945 | 12946 | SN | 1 | 48.658 | 49.347 | 0.0 | 0.0   | 103.875 | 2.358 | 1017.168 | 1080.68  | 29.602 | -92.164 | -89.714 | 0.0 |
| 52 | 12945 | 12946 | SN | 2 | 48.658 | 49.347 | 0.0 | 0.0   | 103.875 | 2.358 | 1017.168 | 1080.68  | 29.602 | -92.164 | -89.714 | 0.0 |
| 53 | 12945 | 12946 | NS | 1 | 48.818 | 49.443 | 0.0 | 0.0   | 51.676  | 2.839 | 1051.248 | 1084.32  | 0.0    | -91.745 | -90.041 | 0.0 |
| 54 | 12945 | 12946 | SN | 1 | 48.648 | 49.347 | 0.0 | 0.0   | 103.875 | 2.901 | 1017.168 | 1080.68  | 28.75  | -92.164 | -89.714 | 0.0 |
| 55 | 12946 | 12947 | SN | 2 | 48.657 | 49.385 | 0.0 | 0.0   | 62.634  | 2.632 | 1016.48  | 1080.352 | 27.672 | -91.893 | -89.694 | 0.0 |
| 56 | 12946 | 12947 | SN | 1 | 48.657 | 49.385 | 0.0 | 0.0   | 62.634  | 2.632 | 1016.48  | 1080.352 | 27.672 | -91.893 | -89.694 | 0.0 |
| 57 | 12946 | 12947 | SN | 1 | 48.657 | 49.385 | 0.0 | 0.0   | 62.634  | 2.534 | 1016.48  | 1080.352 | 27.917 | -91.893 | -89.694 | 0.0 |
| 58 | 12946 | 12947 | NS | 1 | 48.82  | 49.603 | 0.0 | 0.0   | 207.695 | 2.94  | 1051.52  | 1084.336 | 0.0    | -94.339 | -90.052 | 0.0 |
| 59 | 12946 | 12947 | NS | 1 | 48.82  | 49.603 | 0.0 | 0.0   | 207.695 | 3.051 | 1051.52  | 1084.336 | 0.0    | -94.339 | -90.052 | 0.0 |
| 60 | 12947 | 12948 | NS | 1 | 48.59  | 49.579 | 0.0 | 0.0   | 196.318 | 3.009 | 1048.256 | 1084.808 | 0.0    | -94.292 | -89.997 | 0.0 |
| 61 | 12947 | 12948 | NS | 1 | 48.59  | 49.579 | 0.0 | 0.0   | 196.318 | 2.996 | 1048.256 | 1084.984 | 0.0    | -94.292 | -89.997 | 0.0 |
| 62 | 12947 | 12948 | SN | 2 | 48.668 | 49.399 | 0.0 | 0.003 | 5.079   | 2.154 | 1016.84  | 1079.96  | 28.326 | -91.597 | -89.726 | 0.0 |
| 63 | 12947 | 12948 | SN | 1 | 48.668 | 49.399 | 0.0 | 0.003 | 5.079   | 2.156 | 1016.848 | 1079.968 | 28.32  | -91.597 | -89.726 | 0.0 |
| 64 | 12947 | 12948 | SN | 1 | 48.646 | 49.399 | 0.0 | 0.003 | 5.079   | 2.154 | 1016.84  | 1079.96  | 28.326 | -91.597 | -89.726 | 0.0 |
| 65 | 12948 | 12949 | SN | 1 | 48.654 | 49.343 | 0.0 | 0.0   | 196.527 | 2.74  | 1016.552 | 1080.656 | 29.264 | -91.612 | -89.724 | 0.0 |
| 66 | 12948 | 12949 | NS | 1 | 48.822 | 49.389 | 0.0 | 0.0   | 36.857  | 2.668 | 1051.56  | 1084.456 | 0.0    | -92.383 | -90.042 | 0.0 |
| 67 | 12948 | 12949 | SN | 1 | 48.654 | 49.343 | 0.0 | 0.0   | 196.527 | 2.886 | 1016.552 | 1080.656 | 28.944 | -91.612 | -89.724 | 0.0 |
| 68 | 12948 | 12949 | SN | 1 | 48.692 | 49.349 | 0.0 | 0.0   | 196.527 | 2.883 | 1016.528 | 1080.656 | 28.912 | -91.618 | -89.724 | 0.0 |
| 69 | 12949 | 12950 | SN | 1 | 48.683 | 49.354 | 0.0 | 0.0   | 283.002 | 2.497 | 1016.704 | 1079.688 | 29.109 | -91.514 | -89.724 | 0.0 |

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

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







|     |       |       |    |   |        |        |     |       |         |        |          |          |        |         |         |     |
|-----|-------|-------|----|---|--------|--------|-----|-------|---------|--------|----------|----------|--------|---------|---------|-----|
| 70  | 12949 | 12950 | SN | 1 | 48.709 | 49.354 | 0.0 | 0.0   | 132.106 | 2.498  | 1016.704 | 1079.68  | 29.137 | -91.514 | -89.724 | 0.0 |
| 71  | 12949 | 12950 | NS | 2 | 48.822 | 49.42  | 0.0 | 0.0   | 166.967 | 3.177  | 1051.616 | 1084.464 | 0.0    | -92.448 | -90.042 | 0.0 |
| 72  | 12949 | 12950 | SN | 2 | 48.709 | 49.354 | 0.0 | 0.0   | 132.106 | 2.499  | 1016.704 | 1079.68  | 29.137 | -91.514 | -89.724 | 0.0 |
| 73  | 12949 | 12950 | NS | 1 | 48.822 | 49.42  | 0.0 | 0.0   | 166.967 | 3.177  | 1051.616 | 1084.464 | 0.0    | -92.448 | -90.042 | 0.0 |
| 74  | 12950 | 12951 | SN | 1 | 48.65  | 49.397 | 0.0 | 0.0   | 90.92   | 2.627  | 1016.768 | 1080.056 | 28.778 | -93.753 | -89.726 | 0.0 |
| 75  | 12950 | 12951 | NS | 1 | 48.59  | 49.394 | 0.0 | 0.0   | 210.651 | 2.931  | 1049.248 | 1085.088 | 0.0    | -92.427 | -90.056 | 0.0 |
| 76  | 12950 | 12951 | NS | 1 | 48.59  | 49.401 | 0.0 | 0.0   | 210.651 | 2.928  | 1049.248 | 1085.216 | 0.0    | -92.427 | -90.056 | 0.0 |
| 77  | 12950 | 12951 | SN | 1 | 48.65  | 49.397 | 0.0 | 0.0   | 90.92   | 2.625  | 1016.768 | 1080.056 | 28.778 | -93.753 | -89.726 | 0.0 |
| 78  | 12950 | 12951 | SN | 2 | 48.65  | 49.397 | 0.0 | 0.0   | 90.92   | 2.627  | 1016.768 | 1080.056 | 28.778 | -93.753 | -89.726 | 0.0 |
| 79  | 12951 | 12952 | SN | 1 | 48.69  | 49.469 | 0.0 | 0.0   | 10.186  | 2.723  | 1016.536 | 1079.912 | 27.36  | -93.611 | -89.718 | 0.0 |
| 80  | 12951 | 12952 | SN | 1 | 48.69  | 49.469 | 0.0 | 0.0   | 10.186  | 2.578  | 1016.536 | 1079.912 | 27.613 | -93.611 | -89.718 | 0.0 |
| 81  | 12951 | 12952 | SN | 1 | 48.69  | 49.469 | 0.0 | 0.0   | 10.186  | 2.721  | 1016.456 | 1079.912 | 27.338 | -93.611 | -89.718 | 0.0 |
| 82  | 12951 | 12952 | NS | 1 | 48.822 | 49.393 | 0.0 | 0.0   | 264.406 | 2.715  | 1051.168 | 1083.92  | 0.0    | -91.675 | -90.062 | 0.0 |
| 83  | 12951 | 12952 | NS | 2 | 48.822 | 49.393 | 0.0 | 0.0   | 206.989 | 2.712  | 1051.16  | 1083.928 | 0.0    | -91.715 | -90.061 | 0.0 |
| 84  | 12952 | 12953 | SN | 1 | 48.668 | 49.366 | 0.0 | 0.003 | 37.372  | 2.663  | 1016.08  | 1080.096 | 24.583 | -91.605 | -89.717 | 0.0 |
| 85  | 12952 | 12953 | NS | 1 | 48.768 | 49.437 | 0.0 | 0.0   | 206.807 | 2.747  | 1051.896 | 1084.304 | 0.0    | -91.675 | -90.063 | 0.0 |
| 86  | 12952 | 12953 | SN | 1 | 48.668 | 49.366 | 0.0 | 0.003 | 37.372  | 1.74   | 1016.08  | 1080.096 | 26.067 | -91.605 | -89.717 | 0.0 |
| 87  | 12952 | 12953 | SN | 1 | 48.668 | 49.366 | 0.0 | 0.003 | 37.372  | 2.662  | 1016.08  | 1080.096 | 24.583 | -91.605 | -89.717 | 0.0 |
| 88  | 12953 | 12954 | NS | 2 | 48.822 | 49.409 | 0.0 | 0.0   | 225.018 | 2.799  | 1052.008 | 1085.016 | 0.0    | -91.737 | -90.041 | 0.0 |
| 89  | 12953 | 12954 | SN | 1 | 48.653 | 49.355 | 0.0 | 0.0   | 281.122 | 2.836  | 1016.24  | 1080.04  | 25.19  | -93.697 | -89.685 | 0.0 |
| 90  | 12953 | 12954 | SN | 1 | 48.653 | 49.355 | 0.0 | 0.0   | 281.122 | 2.836  | 1016.24  | 1080.04  | 25.19  | -93.697 | -89.685 | 0.0 |
| 91  | 12953 | 12954 | NS | 1 | 48.822 | 49.41  | 0.0 | 0.0   | 225.012 | 2.798  | 1052.024 | 1085.016 | 0.0    | -91.736 | -90.041 | 0.0 |
| 92  | 12954 | 12955 | SN | 1 | 48.459 | 49.373 | 0.0 | 0.0   | 245.478 | 2.527  | 1016.104 | 1079.504 | 27.351 | -93.713 | -89.731 | 0.0 |
| 93  | 12954 | 12955 | NS | 1 | 48.824 | 49.451 | 0.0 | 0.003 | 210.612 | 2.646  | 1052.744 | 1084.824 | 0.0    | -91.844 | -90.038 | 0.0 |
| 94  | 12954 | 12955 | SN | 1 | 48.459 | 49.373 | 0.0 | 0.0   | 245.478 | 2.53   | 1016.088 | 1079.504 | 27.373 | -93.713 | -89.731 | 0.0 |
| 95  | 12954 | 12955 | NS | 2 | 48.823 | 49.434 | 0.0 | 0.003 | 267.036 | 2.646  | 1052.728 | 1084.824 | 0.0    | -91.844 | -90.038 | 0.0 |
| 96  | 12955 | 12956 | SN | 1 | 48.666 | 49.371 | 0.0 | 0.003 | 216.144 | 2.603  | 1017.184 | 1079.76  | 26.475 | -91.636 | -89.704 | 0.0 |
| 97  | 12955 | 12956 | NS | 1 | 48.824 | 49.387 | 0.0 | 0.003 | 119.582 | 2.564  | 1052.352 | 1083.568 | 0.0    | -91.722 | -90.042 | 0.0 |
| 98  | 12955 | 12956 | NS | 1 | 48.824 | 49.387 | 0.0 | 0.003 | 119.587 | 2.566  | 1052.352 | 1083.568 | 0.0    | -91.722 | -90.042 | 0.0 |
| 99  | 12955 | 12956 | SN | 2 | 48.666 | 49.371 | 0.0 | 0.003 | 216.144 | 2.603  | 1017.184 | 1079.76  | 26.475 | -91.636 | -89.704 | 0.0 |
| 100 | 12956 | 12957 | NS | 1 | 48.455 | 49.456 | 0.0 | 0.0   | 206.482 | 2.207  | 1047.408 | 1072.576 | 0.0    | -93.864 | -90.066 | 0.0 |
| 101 | 12956 | 12957 | NS | 1 | 48.762 | 49.43  | 0.0 | 0.0   | 206.482 | 2.212  | 1052.2   | 1072.576 | 0.0    | -91.635 | -90.066 | 0.0 |
| 102 | 12956 | 12957 | NS | 1 | 48.455 | 49.456 | 0.0 | 0.0   | 206.482 | 2.212  | 1047.408 | 1072.576 | 0.0    | -93.864 | -90.066 | 0.0 |
| 103 | 12957 | 12958 | NS | 1 | 49.15  | 49.3   | 0.0 | 0.003 | 6.37    | 11.962 | 1078.368 | 1083.272 | 0.0    | -91.651 | -90.268 | 0.0 |
| 104 | 12957 | 12958 | SN | 1 | 48.699 | 49.388 | 0.0 | 0.0   | 147.427 | 2.776  | 1017.184 | 1079.872 | 27.417 | -91.588 | -89.725 | 0.0 |
| 105 | 12957 | 12958 | SN | 1 | 48.7   | 49.388 | 0.0 | 0.0   | 147.427 | 2.778  | 1017.184 | 1079.872 | 27.444 | -91.588 | -89.725 | 0.0 |
| 106 | 12958 | 12959 | NS | 1 | 48.823 | 49.418 | 0.0 | 0.003 | 5.702   | 2.33   | 1052.672 | 1084.072 | 0.0    | -91.744 | -90.07  | 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 | 12958 | 12959 | SN | 1 | 48.699 | 49.34  | 0.0 | 0.003 | 214.953 | 2.583 | 1017.216 | 1079.888 | 27.469 | -91.638 | -89.731 | 0.0 |
| 108 | 12958 | 12959 | SN | 1 | 48.699 | 49.34  | 0.0 | 0.003 | 214.953 | 2.583 | 1017.216 | 1079.904 | 27.514 | -91.638 | -89.731 | 0.0 |
| 109 | 12958 | 12959 | NS | 1 | 48.823 | 49.418 | 0.0 | 0.003 | 5.372   | 1.328 | 1052.672 | 1084.072 | 0.0    | -91.836 | -90.07  | 0.0 |
| 110 | 12958 | 12959 | NS | 2 | 48.823 | 49.418 | 0.0 | 0.003 | 5.702   | 2.33  | 1052.672 | 1084.072 | 0.0    | -91.744 | -90.07  | 0.0 |
| 111 | 12959 | 12960 | NS | 1 | 48.808 | 49.395 | 0.0 | 0.0   | 255.46  | 3.129 | 1052.024 | 1083.408 | 0.0    | -92.113 | -90.06  | 0.0 |
| 112 | 12959 | 12960 | NS | 2 | 48.808 | 49.395 | 0.0 | 0.0   | 255.46  | 3.129 | 1052.024 | 1083.408 | 0.0    | -92.113 | -90.06  | 0.0 |
| 113 | 12959 | 12960 | SN | 1 | 48.676 | 49.409 | 0.0 | 0.0   | 58.933  | 2.987 | 1017.384 | 1079.856 | 28.023 | -93.843 | -89.732 | 0.0 |
| 114 | 12959 | 12960 | SN | 1 | 48.679 | 49.409 | 0.0 | 0.0   | 58.933  | 2.787 | 1017.384 | 1056.104 | 49.034 | -93.843 | -89.732 | 0.0 |
| 115 | 12959 | 12960 | SN | 1 | 48.667 | 49.409 | 0.0 | 0.0   | 22.468  | 0.73  | 1017.384 | 1050.752 | 53.539 | -93.843 | -89.732 | 0.0 |
| 116 | 12959 | 12960 | NS | 1 | 48.808 | 49.428 | 0.0 | 0.0   | 255.46  | 2.435 | 1052.024 | 1083.328 | 0.0    | -92.113 | -90.06  | 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     | 12932       | 12933     | SN      | 1    | -34.662 | 27.73    | 1.873      | -34.704 | 28.016   | 2.5        | 4.556   | 33.555    | 10.31      | 6.626   | 30.742  | 10.557     | 0.116 | 283.587  | 3.615      | 0.116 | 286.334  | 2.812      | 0.116 | 0.144     | 0.0        | 0.116 | 0.133   | 0.0        |
| 2     | 12932       | 12933     | SN      | 1    | -34.816 | 27.73    | 1.87       | -34.617 | 28.016   | 2.496      | 4.556   | 33.555    | 10.312     | 6.626   | 30.742  | 10.564     | 0.116 | 293.876  | 3.612      | 0.116 | 280.681  | 2.807      | 0.116 | 0.144     | 0.0        | 0.116 | 0.133   | 0.0        |
| 3     | 12932       | 12933     | NS      | 2    | -34.702 | 27.95    | 0.21       | -34.614 | 28.355   | 0.034      | -3.986  | 35.963    | 9.074      | -10.346 | 31.347  | 20.511     | 0.116 | 286.227  | 9.834      | 0.116 | 280.437  | 8.805      | 0.116 | 0.34      | 0.0        | 0.116 | 1.141   | 0.002      |
| 4     | 12932       | 12933     | NS      | 1    | -34.702 | 27.95    | 0.21       | -34.614 | 28.355   | 0.034      | -3.986  | 35.963    | 9.074      | -10.346 | 31.347  | 20.511     | 0.116 | 286.227  | 9.834      | 0.116 | 280.437  | 8.807      | 0.116 | 0.34      | 0.0        | 0.116 | 1.141   | 0.002      |
| 5     | 12932       | 12933     | SN      | 1    | -34.816 | 27.73    | 1.875      | -34.617 | 28.016   | 2.496      | 4.556   | 33.555    | 10.308     | 6.626   | 30.742  | 10.564     | 0.116 | 293.876  | 3.612      | 0.116 | 280.681  | 2.807      | 0.116 | 0.144     | 0.0        | 0.116 | 0.133   | 0.0        |
| 6     | 12933       | 12934     | SN      | 2    | -34.719 | 27.215   | 0.515      | -34.52  | 27.571   | 0.411      | -2.396  | 28.109    | 21.266     | -17.1   | 29.025  | 23.325     | 0.116 | 287.314  | 3.949      | 0.116 | 274.399  | 2.801      | 0.116 | 0.268     | 0.0        | 0.116 | 5.059   | 0.033      |
| 7     | 12933       | 12934     | SN      | 1    | -34.719 | 27.215   | 0.515      | -34.52  | 27.571   | 0.411      | -2.396  | 28.109    | 21.266     | -17.1   | 29.025  | 23.325     | 0.116 | 287.314  | 3.949      | 0.116 | 274.399  | 2.801      | 0.116 | 0.268     | 0.0        | 0.116 | 5.059   | 0.033      |
| 8     | 12933       | 12934     | SN      | 1    | -34.891 | 27.215   | 0.515      | -34.52  | 27.571   | 0.411      | -2.396  | 28.109    | 21.272     | -15.484 | 29.025  | 23.325     | 0.116 | 298.85   | 3.96       | 0.116 | 274.399  | 2.8        | 0.116 | 0.268     | 0.0        | 0.116 | 3.514   | 0.033      |
| 9     | 12933       | 12934     | NS      | 1    | -34.287 | 27.034   | 0.205      | -34.461 | 27.392   | 0.252      | -15.057 | 29.845    | 10.988     | -26.167 | 30.045  | 19.651     | 0.116 | 260.1    | 5.072      | 0.116 | 270.719  | 4.639      | 0.116 | 3.36      | 0.002      | 0.116 | 40.181  | 0.018      |
| 10    | 12934       | 12935     | SN      | 1    | -33.031 | 25.619   | 0.513      | -33.789 | 26.51    | 0.477      | -1.114  | 27.726    | 18.524     | 1.185   | 28.83   | 16.292     | 0.116 | 194.845  | 1.364      | 0.116 | 243.926  | 1.175      | 0.116 | 0.227     | 0.0        | 0.116 | 0.179   | 0.0        |
| 11    | 12934       | 12935     | SN      | 1    | -32.89  | 25.619   | 0.526      | -33.789 | 26.51    | 0.487      | -1.121  | 27.726    | 18.543     | 1.187   | 28.83   | 16.45      | 0.116 | 188.622  | 1.399      | 0.116 | 243.926  | 1.198      | 0.116 | 0.227     | 0.0        | 0.116 | 0.179   | 0.0        |
| 12    | 12935       | 12936     | NS      | 1    | -34.439 | 25.274   | 0.067      | -34.677 | 24.803   | 0.106      | -6.581  | 31.872    | 7.866      | -6.384  | 30.286  | 16.515     | 0.116 | 269.415  | 2.941      | 0.116 | 284.59   | 2.026      | 0.116 | 0.535     | 0.0        | 0.116 | 0.516   | 0.0        |
| 13    | 12935       | 12936     | SN      | 1    | -34.213 | 25.356   | 0.19       | -34.946 | 25.305   | 0.251      | 5.783   | 28.594    | 21.498     | 8.202   | 28.994  | 35.664     | 0.116 | 255.693  | 1.402      | 0.116 | 302.797  | 1.23       | 0.116 | 0.136     | 0.0        | 0.116 | 0.127   | 0.0        |
| 14    | 12935       | 12936     | SN      | 2    | -34.213 | 25.356   | 0.19       | -34.946 | 25.305   | 0.251      | 5.783   | 28.594    | 21.498     | 8.202   | 28.994  | 35.664     | 0.116 | 255.693  | 1.402      | 0.116 | 302.797  | 1.23       | 0.116 | 0.136     | 0.0        | 0.116 | 0.127   | 0.0        |
| 15    | 12936       | 12937     | NS      | 1    | -33.027 | 24.021   | 0.262      | -32.324 | 26.103   | 0.342      | -14.223 | 29.104    | 9.113      | -14.36  | 30.226  | 16.065     | 0.116 | 194.629  | 0.788      | 0.116 | 165.582  | 0.693      | 0.116 | 2.652     | 0.002      | 0.116 | 2.735   | 0.002      |
| 16    | 12936       | 12937     | SN      | 1    | -34.898 | 24.068   | 0.086      | -32.25  | 24.246   | 0.107      | 6.097   | 28.471    | 19.737     | 7.893   | 28.748  | 31.501     | 0.116 | 299.431  | 1.735      | 0.116 | 162.784  | 1.206      | 0.116 | 0.135     | 0.0        | 0.116 | 0.128   | 0.0        |
| 17    | 12936       | 12937     | NS      | 1    | -30.691 | 24.021   | 0.261      | -32.739 | 26.104   | 0.341      | -14.187 | 29.104    | 9.111      | -14.356 | 30.226  | 16.012     | 0.116 | 113.681  | 0.789      | 0.116 | 182.138  | 0.693      | 0.116 | 2.631     | 0.002      | 0.116 | 2.732   | 0.002      |
| 18    | 12936       | 12937     | SN      | 1    | -34.905 | 24.068   | 0.089      | -32.211 | 24.246   | 0.113      | 6.097   | 28.471    | 21.036     | 7.893   | 28.748  | 31.827     | 0.116 | 299.852  | 1.81       | 0.116 | 161.333  | 1.276      | 0.116 | 0.135     | 0.0        | 0.116 | 0.128   | 0.0        |
| 19    | 12937       | 12938     | SN      | 1    | -34.895 | 25.196   | 0.124      | -34.9   | 25.478   | 0.211      | 5.942   | 32.227    | 12.193     | -10.048 | 30.688  | 14.848     | 0.116 | 299.166  | 4.5        | 0.116 | 299.501  | 3.565      | 0.116 | 0.136     | 0.0        | 0.116 | 1.071   | 0.002      |
| 20    | 12937       | 12938     | SN      | 1    | -34.895 | 25.196   | 0.13       | -34.812 | 25.478   | 0.196      | 5.942   | 32.227    | 12.311     | -10.044 | 30.69   | 14.82      | 0.116 | 299.166  | 4.713      | 0.116 | 293.513  | 3.803      | 0.116 | 0.136     | 0.0        | 0.116 | 1.071   | 0.002      |
| 21    | 12937       | 12938     | NS      | 1    | -33.915 | 27.639   | 0.67       | -34.512 | 28.468   | 0.877      | 6.544   | 28.318    | 14.869     | 7.967   | 29.437  | 24.065     | 0.116 | 238.751  | 1.744      | 0.116 | 273.929  | 1.359      | 0.116 | 0.133     | 0.0        | 0.116 | 0.128   | 0.0        |
| 22    | 12938       | 12939     | SN      | 1    | -34.948 | 27.662   | 0.456      | -34.965 | 27.385   | 0.462      | -23.259 | 33.725    | 17.213     | -22.504 | 32.903  | 21.391     | 0.116 | 302.831  | 7.288      | 0.116 | 304.079  | 6.885      | 0.116 | 20.609    | 0.017      | 0.116 | 17.335  | 0.017      |
| 23    | 12938       | 12939     | SN      | 1    | -34.948 | 27.662   | 0.423      | -34.965 | 27.385   | 0.545      | -23.259 | 33.725    | 16.571     | -22.504 | 32.903  | 21.506     | 0.116 | 302.831  | 6.768      | 0.116 | 304.079  | 6.097      | 0.116 | 20.609    | 0.016      | 0.116 | 17.335  | 0.017      |
| 24    | 12938       | 12939     | NS      | 1    | -34.773 | 27.633   | 0.926      | -34.957 | 28.44    | 1.224      | -10.448 | 29.37     | 15.498     | -19.012 | 29.483  | 27.327     | 0.116 | 290.928  | 1.584      | 0.116 | 303.505  | 1.368      | 0.116 | 1.166     | 0.004      | 0.116 | 7.808   | 0.002      |
| 25    | 12939       | 12940     | SN      | 1    | -34.772 | 27.456   | 0.374      | -34.962 | 28.566   | 0.975      | -9.453  | 29.348    | 17.364     | -1.804  | 29.822  | 18.347     | 0.116 | 290.762  | 9.178      | 0.116 | 303.824  | 8.379      | 0.116 | 0.946     | 0.0        | 0.116 | 0.247   | 0.0        |
| 26    | 12939       | 12940     | NS      | 1    | -34.414 | 29.013   | 1.006      | -34.708 | 28.241   | 1.183      | -5.776  | 29.177    | 27.915     | -8.514  | 29.806  | 45.658     | 0.116 | 267.829  | 3.59       | 0.116 | 286.624  | 3.292      | 0.116 | 0.461     | 0.0        | 0.116 | 0.781   | 0.0        |
| 27    | 12939       | 12940     | SN      | 1    | -34.772 | 27.456   | 0.374      | -34.962 | 28.566   | 0.975      | -9.453  | 29.348    | 17.364     | -1.804  | 29.822  | 18.347     | 0.116 | 290.762  | 9.178      | 0.116 | 303.824  | 8.379      | 0.116 | 0.946     | 0.0        | 0.116 | 0.247   | 0.0        |
| 28    | 12940       | 12941     | SN      | 1    | -34.982 | 27.62    | 0.112      | -34.925 | 28.272   | 1.165      | -17.772 | 31.308    | 18.784     | -30.723 | 29.995  | 21.305     | 0.116 | 305.231  | 9.523      | 0.116 | 301.28   | 8.18       | 0.116 | 5.89      | 0.015      | 0.116 | 114.526 | 0.058      |
| 29    | 12940       | 12941     | SN      | 1    | -34.982 | 27.62    | 0.112      | -34.925 | 28.272   | 1.106      | -17.772 | 31.308    | 18.73      | -30.723 | 29.995  | 21.163     | 0.116 | 305.231  | 9.548      | 0.116 | 301.28   | 8.189      | 0.116 | 5.89      | 0.015      | 0.116 | 114.526 | 0.059      |
| 30    | 12941       | 12942     | NS      | 1    | -34.242 | 27.347   | 1.833      | -34.922 | 25.281   | 1.437      | 5.602   | 29.14     | 16.663     | 4.51    | 30.062  | 29.325     | 0.116 | 257.475  | 3.825      | 0.116 | 300.995  | 3.743      | 0.116 | 0.137     | 0.0        | 0.116 | 0.144   | 0.0        |
| 31    | 12941       | 12942     | SN      | 1    | -33.814 | 22.913   | 0.028      | -34.609 | 25.82    | 2.59       | -26.727 | 29.851    | 17.171     | -24.917 | 30.085  | 18.338     | 0.116 | 233.245  | 2.898      | 0.116 | 280.117  | 1.978      | 0.116 | 45.703    | 0.091      | 0.116 | 30.156  | 0.065      |
| 32    | 12941       | 12942     | NS      | 1    | -34.674 | 27.347   | 1.832      | -34.922 | 25.281   | 1.438      | 5.604   | 29.14     | 16.893     | 4.51    | 30.057  | 29.511     | 0.116 | 284.34   | 3.821      | 0.116 | 300.995  | 3.743      | 0.116 | 0.137     | 0.0        | 0.116 | 0.144   | 0.0        |
| 33    | 12941       | 12942     | NS      | 2    | -34.674 | 27.347   | 1.832      | -34.922 | 25.281   | 1.438      | 5.604   | 29.14     | 16.893     | 4.51    | 30.057  | 29.511     | 0.116 | 284.34   | 3.821      | 0.116 | 300.995  | 3.743      | 0.116 | 0.137     | 0.0        | 0.116 | 0.144   | 0.0        |

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

- Normal
- Deviations
- Alarming
- High Errors

|    |       |       |    |   |         |        |       |         |        |       |         |        |        |         |        |        |       |         |        |       |         |        |       |        |       |       |        |       |
|----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|--------|-------|---------|--------|-------|--------|-------|-------|--------|-------|
| 34 | 12941 | 12942 | SN | 1 | -33.814 | 22.913 | 0.028 | -34.609 | 25.82  | 2.59  | -26.727 | 29.851 | 17.171 | -24.917 | 30.085 | 18.338 | 0.116 | 233.245 | 2.898  | 0.116 | 280.117 | 1.978  | 0.116 | 45.703 | 0.091 | 0.116 | 30.156 | 0.065 |
| 35 | 12942 | 12943 | NS | 1 | -34.83  | 24.731 | 1.313 | -34.982 | 24.166 | 0.183 | -12.399 | 27.962 | 29.481 | -9.093  | 29.749 | 45.974 | 0.116 | 294.796 | 2.224  | 0.116 | 305.257 | 2.138  | 0.116 | 1.774  | 0.012 | 0.116 | 0.878  | 0.0   |
| 36 | 12942 | 12943 | NS | 2 | -34.83  | 24.731 | 1.313 | -34.982 | 24.166 | 0.183 | -12.399 | 27.962 | 29.486 | -9.093  | 29.749 | 45.974 | 0.116 | 294.796 | 2.224  | 0.116 | 305.257 | 2.138  | 0.116 | 1.774  | 0.012 | 0.116 | 0.878  | 0.0   |
| 37 | 12942 | 12943 | SN | 1 | -33.692 | 27.076 | 0.263 | -33.102 | 27.543 | 0.389 | -3.245  | 30.578 | 13.482 | -2.173  | 31.059 | 19.446 | 0.116 | 226.782 | 1.379  | 0.116 | 198.038 | 1.678  | 0.116 | 0.303  | 0.0   | 0.116 | 0.26   | 0.0   |
| 38 | 12943 | 12944 | NS | 1 | -33.449 | 25.405 | 1.243 | -34.611 | 25.198 | 0.189 | 8.38    | 29.061 | 29.545 | 8.606   | 30.167 | 42.248 | 0.116 | 214.501 | 1.244  | 0.116 | 280.223 | 0.924  | 0.116 | 0.127  | 0.0   | 0.116 | 0.126  | 0.0   |
| 39 | 12943 | 12944 | NS | 1 | -33.628 | 25.405 | 1.243 | -34.611 | 25.199 | 0.189 | 8.379   | 29.041 | 20.861 | 8.606   | 30.165 | 40.867 | 0.116 | 223.508 | 1.243  | 0.116 | 280.223 | 0.925  | 0.116 | 0.127  | 0.0   | 0.116 | 0.126  | 0.0   |
| 40 | 12943 | 12944 | SN | 1 | -34.47  | 26.797 | 0.496 | -33.941 | 27.308 | 2.565 | -7.351  | 29.327 | 39.833 | -4.713  | 30.147 | 48.096 | 0.116 | 271.284 | 1.8    | 0.116 | 240.239 | 1.535  | 0.116 | 0.62   | 0.0   | 0.116 | 0.383  | 0.0   |
| 41 | 12943 | 12944 | NS | 1 | -33.628 | 25.405 | 1.243 | -34.611 | 25.198 | 0.189 | 8.38    | 29.061 | 29.543 | 8.606   | 30.167 | 42.239 | 0.116 | 223.508 | 1.244  | 0.116 | 280.223 | 0.924  | 0.116 | 0.127  | 0.0   | 0.116 | 0.126  | 0.0   |
| 42 | 12943 | 12944 | SN | 1 | -34.747 | 26.797 | 0.496 | -34.728 | 27.308 | 2.561 | -7.353  | 29.327 | 39.827 | -4.712  | 30.147 | 48.096 | 0.116 | 289.196 | 1.813  | 0.116 | 287.926 | 1.53   | 0.116 | 0.62   | 0.0   | 0.116 | 0.383  | 0.0   |
| 43 | 12944 | 12945 | NS | 1 | -34.778 | 26.949 | 1.077 | -33.633 | 28.352 | 0.248 | 6.416   | 31.517 | 19.21  | 8.25    | 29.78  | 29.718 | 0.116 | 291.273 | 1.136  | 0.116 | 223.766 | 0.898  | 0.116 | 0.134  | 0.0   | 0.116 | 0.127  | 0.0   |
| 44 | 12944 | 12945 | SN | 1 | -33.358 | 25.495 | 0.074 | -31.455 | 25.192 | 0.087 | 8.334   | 29.051 | 34.128 | 8.916   | 30.314 | 43.004 | 0.116 | 210.031 | 1.174  | 0.116 | 135.571 | 0.969  | 0.116 | 0.127  | 0.0   | 0.116 | 0.126  | 0.0   |
| 45 | 12944 | 12945 | NS | 1 | -34.222 | 24.364 | 0.944 | -34.824 | 28.352 | 0.248 | 8.212   | 31.517 | 4.528  | 8.25    | 26.802 | 3.982  | 0.116 | 256.28  | 1.087  | 0.116 | 294.318 | 0.898  | 0.116 | 0.127  | 0.0   | 0.116 | 0.127  | 0.0   |
| 46 | 12944 | 12945 | SN | 1 | -33.358 | 25.495 | 0.538 | -31.455 | 25.496 | 2.225 | 8.334   | 29.051 | 36.493 | 8.916   | 30.314 | 44.813 | 0.116 | 210.031 | 1.143  | 0.116 | 135.571 | 0.906  | 0.116 | 0.127  | 0.0   | 0.116 | 0.126  | 0.0   |
| 47 | 12944 | 12945 | SN | 2 | -33.358 | 25.495 | 0.538 | -31.455 | 25.496 | 2.225 | 8.334   | 29.051 | 36.493 | 8.916   | 30.314 | 44.813 | 0.116 | 210.031 | 1.143  | 0.116 | 135.571 | 0.906  | 0.116 | 0.127  | 0.0   | 0.116 | 0.126  | 0.0   |
| 48 | 12944 | 12945 | NS | 1 | -34.222 | 26.949 | 1.077 | -33.633 | 28.352 | 0.248 | 6.416   | 31.517 | 19.21  | 8.25    | 29.78  | 29.718 | 0.116 | 256.28  | 1.135  | 0.116 | 223.766 | 0.898  | 0.116 | 0.134  | 0.0   | 0.116 | 0.127  | 0.0   |
| 49 | 12945 | 12946 | NS | 1 | -34.394 | 27.769 | 1.357 | -34.866 | 28.232 | 0.206 | -19.574 | 29.463 | 14.525 | -21.563 | 29.3   | 27.206 | 0.116 | 266.626 | 2.654  | 0.116 | 297.222 | 2.508  | 0.116 | 8.875  | 0.005 | 0.116 | 13.976 | 0.015 |
| 50 | 12945 | 12946 | SN | 2 | -32.706 | 26.267 | 2.671 | -34.085 | 27.155 | 4.97  | -11.141 | 28.977 | 16.273 | -20.372 | 31.644 | 28.123 | 0.116 | 180.762 | 1.306  | 0.116 | 248.266 | 0.973  | 0.116 | 1.351  | 0.002 | 0.116 | 10.646 | 0.007 |
| 51 | 12945 | 12946 | SN | 1 | -33.512 | 26.267 | 1.864 | -34.085 | 27.155 | 4.131 | -11.141 | 28.977 | 16.156 | -20.372 | 31.644 | 28.127 | 0.116 | 217.608 | 1.344  | 0.116 | 248.266 | 1.054  | 0.116 | 1.351  | 0.002 | 0.116 | 10.646 | 0.007 |
| 52 | 12945 | 12946 | SN | 2 | -33.512 | 26.267 | 1.864 | -34.085 | 27.155 | 4.131 | -11.141 | 28.977 | 16.156 | -20.372 | 31.644 | 28.127 | 0.116 | 217.608 | 1.344  | 0.116 | 248.266 | 1.054  | 0.116 | 1.351  | 0.002 | 0.116 | 10.646 | 0.007 |
| 53 | 12945 | 12946 | NS | 1 | -34.394 | 27.769 | 1.357 | -34.917 | 28.232 | 0.205 | -19.531 | 29.463 | 14.497 | -21.585 | 29.3   | 27.202 | 0.116 | 266.626 | 2.655  | 0.116 | 300.71  | 2.516  | 0.116 | 8.787  | 0.005 | 0.116 | 14.047 | 0.015 |
| 54 | 12945 | 12946 | SN | 1 | -32.706 | 26.267 | 2.67  | -34.085 | 27.155 | 4.97  | -11.141 | 28.977 | 16.273 | -20.372 | 31.644 | 28.123 | 0.116 | 180.762 | 1.306  | 0.116 | 248.266 | 0.973  | 0.116 | 1.351  | 0.002 | 0.116 | 10.646 | 0.007 |
| 55 | 12946 | 12947 | SN | 2 | -34.959 | 28.198 | 3.212 | -34.335 | 28.487 | 3.863 | 5.647   | 32.36  | 11.114 | 8.953   | 30.674 | 9.533  | 0.116 | 303.657 | 2.657  | 0.116 | 263.006 | 2.261  | 0.116 | 0.137  | 0.0   | 0.116 | 0.126  | 0.0   |
| 56 | 12946 | 12947 | SN | 1 | -34.959 | 28.198 | 3.212 | -34.335 | 28.487 | 3.863 | 5.647   | 32.36  | 11.114 | 8.953   | 30.674 | 9.533  | 0.116 | 303.657 | 2.657  | 0.116 | 263.006 | 2.261  | 0.116 | 0.137  | 0.0   | 0.116 | 0.126  | 0.0   |
| 57 | 12946 | 12947 | SN | 1 | -34.959 | 28.198 | 3.088 | -34.335 | 28.487 | 3.886 | 5.644   | 32.36  | 11.114 | 8.953   | 30.674 | 9.533  | 0.116 | 303.657 | 2.698  | 0.116 | 263.006 | 2.293  | 0.116 | 0.137  | 0.0   | 0.116 | 0.126  | 0.0   |
| 58 | 12946 | 12947 | NS | 1 | -34.838 | 27.876 | 0.467 | -34.555 | 28.372 | 0.17  | -14.74  | 32.518 | 13.318 | -12.029 | 36.383 | 27.448 | 0.116 | 295.326 | 3.77   | 0.116 | 276.718 | 4.107  | 0.116 | 2.975  | 0.002 | 0.116 | 1.637  | 0.003 |
| 59 | 12946 | 12947 | NS | 1 | -34.982 | 27.874 | 0.505 | -34.966 | 28.372 | 0.183 | -14.724 | 32.518 | 13.328 | -12.038 | 36.383 | 27.448 | 0.116 | 305.191 | 3.763  | 0.116 | 304.152 | 4.086  | 0.116 | 2.965  | 0.002 | 0.116 | 1.64   | 0.003 |
| 60 | 12947 | 12948 | NS | 1 | -34.891 | 26.655 | 0.09  | -34.543 | 27.297 | 0.081 | -19.173 | 29.591 | 9.956  | -22.512 | 30.617 | 19.141 | 0.116 | 298.845 | 9.505  | 0.116 | 275.892 | 9.1    | 0.116 | 8.1    | 0.003 | 0.116 | 17.364 | 0.013 |
| 61 | 12947 | 12948 | NS | 1 | -34.894 | 26.65  | 0.09  | -34.912 | 27.297 | 0.082 | -18.98  | 29.59  | 9.957  | -22.552 | 30.617 | 19.141 | 0.116 | 299.124 | 9.515  | 0.116 | 300.439 | 9.106  | 0.116 | 7.75   | 0.003 | 0.116 | 17.528 | 0.013 |
| 62 | 12947 | 12948 | SN | 2 | -33.48  | 26.793 | 0.324 | -34.427 | 28.573 | 0.462 | 7.644   | 28.225 | 13.426 | 8.266   | 30.442 | 15.638 | 0.116 | 215.979 | 2.574  | 0.116 | 268.637 | 1.67   | 0.116 | 0.129  | 0.0   | 0.116 | 0.127  | 0.0   |
| 63 | 12947 | 12948 | SN | 1 | -33.48  | 26.793 | 0.324 | -34.427 | 28.573 | 0.462 | 7.644   | 28.225 | 13.426 | 8.266   | 30.442 | 15.641 | 0.116 | 215.979 | 2.574  | 0.116 | 268.637 | 1.67   | 0.116 | 0.129  | 0.0   | 0.116 | 0.127  | 0.0   |
| 64 | 12947 | 12948 | SN | 1 | -34.554 | 26.793 | 0.323 | -34.427 | 28.573 | 0.463 | 7.644   | 28.225 | 13.426 | 8.266   | 30.442 | 15.638 | 0.116 | 276.586 | 2.574  | 0.116 | 268.637 | 1.67   | 0.116 | 0.129  | 0.0   | 0.116 | 0.127  | 0.0   |
| 65 | 12948 | 12949 | SN | 1 | -34.153 | 25.359 | 0.364 | -33.912 | 25.981 | 0.454 | -16.525 | 27.736 | 19.067 | 6.812   | 28.253 | 15.709 | 0.116 | 252.23  | 1.045  | 0.116 | 238.578 | 0.996  | 0.116 | 4.442  | 0.012 | 0.116 | 0.132  | 0.0   |
| 66 | 12948 | 12949 | NS | 1 | -34.854 | 26.641 | 0.283 | -34.99  | 27.721 | 0.338 | -9.18   | 29.868 | 9.362  | -6.81   | 30.283 | 17.961 | 0.116 | 296.344 | 10.088 | 0.116 | 305.792 | 10.756 | 0.116 | 0.894  | 0.0   | 0.116 | 0.559  | 0.0   |
| 67 | 12948 | 12949 | SN | 1 | -34.153 | 25.359 | 0.36  | -33.449 | 25.981 | 0.449 | -16.525 | 27.736 | 19.046 | 6.812   | 28.253 | 15.697 | 0.116 | 252.23  | 1.035  | 0.116 | 214.464 | 0.984  | 0.116 | 4.442  | 0.012 | 0.116 | 0.132  | 0.0   |
| 68 | 12948 | 12949 | SN | 1 | -32.378 | 25.36  | 0.372 | -33.44  | 25.981 | 0.447 | -16.557 | 27.736 | 19.046 | 6.81    | 28.253 | 15.697 | 0.116 | 167.673 | 1.04   | 0.116 | 214.044 | 0.982  | 0.116 | 4.475  | 0.012 | 0.116 | 0.132  | 0.0   |
| 69 | 12949 | 12950 | SN | 1 | -34.963 | 25.312 | 0.356 | -31.206 | 25.872 | 0.468 | 6.162   | 28.411 | 20.507 | 7.858   | 28.761 | 30.562 | 0.116 | 303.961 | 0.729  | 0.116 | 127.98  | 0.656  | 0.116 | 0.135  | 0.0   | 0.116 | 0.128  | 0.0   |
| 70 | 12949 | 12950 | SN | 1 | -34.809 | 25.312 | 0.357 | -31.206 | 25.872 | 0.468 | 6.162   | 28.411 | 20.507 | 7.858   | 28.761 | 30.573 | 0.116 | 293.277 | 0.722  | 0.116 | 127.98  | 0.657  | 0.116 | 0.135  | 0.0   | 0.116 | 0.128  | 0.0   |
| 71 | 12949 | 12950 | NS | 2 | -34.662 | 27.24  | 0.433 | -33.913 | 27.138 | 0.556 | -16.58  | 28.867 | 6.358  | -18.819 | 34.478 | 12.699 | 0.116 | 283.54  | 1.278  | 0.116 | 238.701 | 1.428  | 0.116 | 4.499  | 0.006 | 0.116 | 7.471  | 0.005 |
| 72 | 12949 | 12950 | SN | 2 | -34.809 | 25.312 | 0.357 | -31.206 | 25.872 | 0.468 | 6.162   | 28.411 | 20.509 | 7.858   | 28.761 | 30.573 | 0.116 | 293.277 | 0.722  | 0.116 | 127.98  | 0.657  | 0.116 | 0.135  | 0.0   | 0.116 | 0.128  | 0.0   |

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

|  |  |
|--|--|
| <span style="display:inline-block; width:15px; height:15px; background-color:green; border:1px solid black;"></span> Normal    | <span style="display:inline-block; width:15px; height:15px; background-color:yellow; border:1px solid black;"></span> Deviations |
| <span style="display:inline-block; width:15px; height:15px; background-color:orange; border:1px solid black;"></span> Alarming | <span style="display:inline-block; width:15px; height:15px; background-color:red; border:1px solid black;"></span> High Errors   |



|     |       |       |    |   |         |        |       |         |        |       |         |        |        |         |        |        |       |         |       |       |         |       |       |        |       |       |         |       |
|-----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|---------|-------|
| 73  | 12949 | 12950 | NS | 1 | -34.662 | 27.24  | 0.433 | -33.913 | 27.138 | 0.556 | -16.58  | 28.867 | 6.358  | -18.819 | 34.478 | 12.697 | 0.116 | 283.54  | 1.278 | 0.116 | 238.701 | 1.428 | 0.116 | 4.499  | 0.006 | 0.116 | 7.471   | 0.005 |
| 74  | 12950 | 12951 | SN | 1 | -34.349 | 26.825 | 0.074 | -34.408 | 24.559 | 0.122 | 5.774   | 27.905 | 23.391 | 8.056   | 29.154 | 40.692 | 0.116 | 263.883 | 1.077 | 0.116 | 267.494 | 0.736 | 0.116 | 0.136  | 0.0   | 0.116 | 0.128   | 0.0   |
| 75  | 12950 | 12951 | NS | 1 | -34.925 | 26.751 | 0.067 | -34.88  | 24.885 | 0.086 | -17.758 | 29.546 | 7.864  | -24.532 | 31.046 | 14.469 | 0.116 | 301.301 | 3.332 | 0.116 | 298.201 | 2.354 | 0.116 | 5.872  | 0.004 | 0.116 | 27.603  | 0.004 |
| 76  | 12950 | 12951 | NS | 1 | -34.925 | 26.751 | 0.067 | -34.88  | 24.885 | 0.086 | -17.758 | 29.546 | 7.864  | -24.532 | 31.046 | 14.467 | 0.116 | 301.301 | 3.33  | 0.116 | 298.201 | 2.352 | 0.116 | 5.872  | 0.004 | 0.116 | 27.603  | 0.004 |
| 77  | 12950 | 12951 | SN | 1 | -34.349 | 26.828 | 0.074 | -34.408 | 24.559 | 0.122 | 5.774   | 27.905 | 23.391 | 8.056   | 29.154 | 40.682 | 0.116 | 263.883 | 1.077 | 0.116 | 267.494 | 0.736 | 0.116 | 0.136  | 0.0   | 0.116 | 0.128   | 0.0   |
| 78  | 12950 | 12951 | SN | 2 | -34.349 | 26.825 | 0.074 | -34.408 | 24.559 | 0.122 | 5.774   | 27.905 | 23.391 | 8.056   | 29.154 | 40.692 | 0.116 | 263.883 | 1.077 | 0.116 | 267.494 | 0.736 | 0.116 | 0.136  | 0.0   | 0.116 | 0.128   | 0.0   |
| 79  | 12951 | 12952 | SN | 1 | -34.459 | 23.988 | 0.045 | -33.862 | 23.85  | 0.058 | 6.063   | 28.354 | 13.74  | 3.439   | 29.986 | 18.489 | 0.116 | 270.651 | 1.363 | 0.116 | 235.836 | 0.908 | 0.116 | 0.135  | 0.0   | 0.116 | 0.152   | 0.0   |
| 80  | 12951 | 12952 | SN | 1 | -34.459 | 23.988 | 0.045 | -33.862 | 23.85  | 0.059 | 6.063   | 28.354 | 13.844 | 3.439   | 29.986 | 18.489 | 0.116 | 270.651 | 1.376 | 0.116 | 235.836 | 0.92  | 0.116 | 0.135  | 0.0   | 0.116 | 0.152   | 0.0   |
| 81  | 12951 | 12952 | SN | 1 | -34.459 | 23.988 | 0.045 | -33.862 | 23.85  | 0.058 | 6.063   | 28.354 | 13.718 | 3.439   | 29.986 | 18.461 | 0.116 | 270.651 | 1.362 | 0.116 | 235.836 | 0.908 | 0.116 | 0.135  | 0.0   | 0.116 | 0.152   | 0.0   |
| 82  | 12951 | 12952 | NS | 1 | -34.091 | 28.739 | 0.814 | -32.832 | 27.894 | 1.071 | -8.355  | 28.929 | 15.014 | -6.531  | 30.9   | 21.039 | 0.116 | 248.642 | 1.55  | 0.116 | 186.06  | 1.563 | 0.116 | 0.756  | 0.0   | 0.116 | 0.53    | 0.0   |
| 83  | 12951 | 12952 | NS | 2 | -34.091 | 28.739 | 0.814 | -32.782 | 27.894 | 1.071 | -8.355  | 28.929 | 15.011 | -6.531  | 30.9   | 21.04  | 0.116 | 248.642 | 1.549 | 0.116 | 183.962 | 1.563 | 0.116 | 0.756  | 0.0   | 0.116 | 0.53    | 0.0   |
| 84  | 12952 | 12953 | SN | 1 | -34.82  | 24.726 | 0.087 | -34.281 | 25.102 | 0.33  | 2.514   | 34.386 | 12.735 | 5.138   | 33.233 | 15.411 | 0.116 | 294.053 | 5.047 | 0.116 | 259.787 | 3.978 | 0.116 | 0.161  | 0.0   | 0.116 | 0.14    | 0.0   |
| 85  | 12952 | 12953 | NS | 1 | -31.797 | 27.331 | 1.78  | -34.939 | 29.158 | 2.183 | 6.103   | 33.491 | 11.119 | 4.824   | 29.508 | 20.228 | 0.116 | 146.616 | 0.842 | 0.116 | 302.171 | 0.916 | 0.116 | 0.135  | 0.0   | 0.116 | 0.142   | 0.0   |
| 86  | 12952 | 12953 | SN | 1 | -34.82  | 24.726 | 0.094 | -34.281 | 25.102 | 0.16  | 2.514   | 34.386 | 12.997 | 5.138   | 33.233 | 15.374 | 0.116 | 294.053 | 5.447 | 0.116 | 259.787 | 4.466 | 0.116 | 0.161  | 0.0   | 0.116 | 0.14    | 0.0   |
| 87  | 12952 | 12953 | SN | 1 | -34.82  | 24.726 | 0.087 | -34.281 | 25.102 | 0.33  | 2.514   | 34.386 | 12.735 | 5.138   | 33.233 | 15.411 | 0.116 | 294.053 | 5.046 | 0.116 | 259.787 | 3.976 | 0.116 | 0.161  | 0.0   | 0.116 | 0.14    | 0.0   |
| 88  | 12953 | 12954 | NS | 2 | -34.937 | 26.799 | 1.082 | -34.685 | 27.246 | 1.429 | -17.235 | 28.744 | 21.245 | -10.202 | 30.187 | 38.009 | 0.116 | 302.124 | 1.728 | 0.116 | 285.045 | 1.777 | 0.116 | 5.215  | 0.002 | 0.116 | 1.107   | 0.002 |
| 89  | 12953 | 12954 | SN | 1 | -34.56  | 27.514 | 0.224 | -34.891 | 29.338 | 0.676 | -7.529  | 29.859 | 18.971 | -5.606  | 30.224 | 21.243 | 0.116 | 276.992 | 4.549 | 0.116 | 298.946 | 3.426 | 0.116 | 0.642  | 0.0   | 0.116 | 0.448   | 0.0   |
| 90  | 12953 | 12954 | SN | 1 | -34.56  | 27.514 | 0.224 | -34.891 | 29.338 | 0.676 | -7.529  | 29.859 | 18.971 | -5.606  | 30.224 | 21.243 | 0.116 | 276.992 | 4.549 | 0.116 | 298.946 | 3.426 | 0.116 | 0.642  | 0.0   | 0.116 | 0.448   | 0.0   |
| 91  | 12953 | 12954 | NS | 1 | -34.937 | 26.799 | 1.082 | -34.685 | 27.246 | 1.429 | -17.235 | 28.744 | 21.245 | -10.199 | 30.187 | 38.006 | 0.116 | 302.124 | 1.728 | 0.116 | 285.045 | 1.777 | 0.116 | 5.215  | 0.002 | 0.116 | 1.106   | 0.002 |
| 92  | 12954 | 12955 | SN | 1 | -34.926 | 27.795 | 0.18  | -34.968 | 28.088 | 0.882 | -10.942 | 29.375 | 17.524 | -4.947  | 33.524 | 15.23  | 0.116 | 301.307 | 8.934 | 0.116 | 304.286 | 7.793 | 0.116 | 1.295  | 0.002 | 0.116 | 0.399   | 0.0   |
| 93  | 12954 | 12955 | NS | 1 | -34.444 | 25.764 | 1.033 | -34.871 | 26.327 | 0.935 | -18.87  | 30.295 | 15.425 | -12.676 | 30.506 | 29.49  | 0.116 | 269.67  | 2.745 | 0.116 | 297.517 | 2.485 | 0.116 | 7.559  | 0.017 | 0.116 | 1.885   | 0.008 |
| 94  | 12954 | 12955 | SN | 1 | -34.953 | 27.794 | 0.18  | -34.963 | 28.089 | 0.875 | -10.949 | 29.375 | 17.501 | -4.947  | 33.522 | 15.238 | 0.116 | 303.169 | 8.955 | 0.116 | 303.935 | 7.784 | 0.116 | 1.297  | 0.002 | 0.116 | 0.399   | 0.0   |
| 95  | 12954 | 12955 | NS | 2 | -34.849 | 25.764 | 1.033 | -34.318 | 26.327 | 0.935 | -18.87  | 30.295 | 15.425 | -12.676 | 30.506 | 29.488 | 0.116 | 296.035 | 2.746 | 0.116 | 262.036 | 2.489 | 0.116 | 7.559  | 0.017 | 0.116 | 1.885   | 0.008 |
| 96  | 12955 | 12956 | SN | 1 | -34.919 | 27.336 | 0.031 | -34.727 | 28.335 | 1.633 | -21.305 | 29.512 | 19.391 | -8.762  | 30.988 | 21.326 | 0.116 | 300.848 | 4.579 | 0.116 | 287.792 | 3.433 | 0.116 | 13.174 | 0.012 | 0.116 | 0.821   | 0.0   |
| 97  | 12955 | 12956 | NS | 1 | -34.824 | 27.676 | 1.57  | -32.949 | 24.895 | 1.215 | 5.033   | 29.746 | 14.95  | 6.456   | 33.264 | 23.872 | 0.116 | 294.37  | 1.744 | 0.116 | 191.161 | 1.913 | 0.116 | 0.14   | 0.0   | 0.116 | 0.133   | 0.0   |
| 98  | 12955 | 12956 | NS | 1 | -34.824 | 27.676 | 1.57  | -32.949 | 24.895 | 1.215 | 5.033   | 29.746 | 14.95  | 6.456   | 33.264 | 23.872 | 0.116 | 294.37  | 1.744 | 0.116 | 191.161 | 1.913 | 0.116 | 0.14   | 0.0   | 0.116 | 0.133   | 0.0   |
| 99  | 12955 | 12956 | SN | 2 | -34.919 | 27.336 | 0.031 | -34.727 | 28.335 | 1.633 | -21.305 | 29.512 | 19.391 | -8.762  | 30.988 | 21.326 | 0.116 | 300.848 | 4.579 | 0.116 | 287.792 | 3.433 | 0.116 | 13.174 | 0.012 | 0.116 | 0.821   | 0.0   |
| 100 | 12956 | 12957 | NS | 1 | -27.578 | 27.658 | 2.781 | -30.084 | 25.566 | 1.878 | 12.242  | 31.95  | 18.197 | -29.784 | 27.859 | 14.717 | 0.116 | 55.563  | 0.553 | 0.116 | 98.878  | 0.469 | 0.116 | 0.12   | 0.0   | 0.116 | 118.505 | 0.404 |
| 101 | 12956 | 12957 | NS | 1 | -34.314 | 27.537 | 2.739 | -33.891 | 25.568 | 1.875 | 11.586  | 32.022 | 17.863 | 13.583  | 27.927 | 14.593 | 0.116 | 261.695 | 2.712 | 0.116 | 237.45  | 2.099 | 0.116 | 0.121  | 0.0   | 0.116 | 0.119   | 0.0   |
| 102 | 12956 | 12957 | NS | 1 | -27.578 | 27.658 | 2.787 | -30.084 | 25.566 | 1.882 | 12.242  | 31.95  | 18.198 | -29.784 | 27.859 | 14.717 | 0.116 | 55.563  | 0.554 | 0.116 | 98.878  | 0.469 | 0.116 | 0.12   | 0.0   | 0.116 | 118.505 | 0.404 |
| 103 | 12957 | 12958 | NS | 1 | -26.661 | 23.674 | 1.095 | -23.222 | 17.709 | 0.0   | 11.597  | 29.044 | 43.185 | 12.161  | 29.686 | 60.703 | 0.116 | 45.009  | 1.419 | 0.117 | 20.434  | 3.32  | 0.116 | 0.121  | 0.0   | 0.116 | 0.12    | 0.0   |
| 104 | 12957 | 12958 | SN | 1 | -33.122 | 26.884 | 0.481 | -33.621 | 28.309 | 2.699 | -7.215  | 29.567 | 25.548 | -6.121  | 29.624 | 28.028 | 0.116 | 198.985 | 1.711 | 0.116 | 223.148 | 1.655 | 0.116 | 0.604  | 0.0   | 0.116 | 0.491   | 0.0   |
| 105 | 12957 | 12958 | SN | 1 | -34.026 | 26.884 | 0.482 | -34.43  | 28.309 | 2.702 | -7.215  | 29.568 | 25.582 | -6.121  | 29.624 | 28.028 | 0.116 | 244.956 | 1.7   | 0.116 | 268.813 | 1.66  | 0.116 | 0.604  | 0.0   | 0.116 | 0.491   | 0.0   |
| 106 | 12958 | 12959 | NS | 1 | -34.335 | 26.972 | 1.201 | -33.975 | 26.604 | 0.166 | 6.82    | 29.27  | 26.721 | 8.376   | 30.631 | 40.148 | 0.116 | 263.029 | 1.88  | 0.116 | 242.044 | 1.35  | 0.116 | 0.132  | 0.0   | 0.116 | 0.127   | 0.0   |
| 107 | 12958 | 12959 | SN | 1 | -34.046 | 26.796 | 0.634 | -33.577 | 27.136 | 2.455 | 6.759   | 29.121 | 45.911 | 8.793   | 30.003 | 58.525 | 0.116 | 246.064 | 1.17  | 0.116 | 220.945 | 1.168 | 0.116 | 0.132  | 0.0   | 0.116 | 0.126   | 0.0   |
| 108 | 12958 | 12959 | SN | 1 | -34.866 | 26.796 | 0.632 | -33.593 | 27.136 | 2.452 | 6.759   | 29.121 | 45.911 | 8.793   | 30.003 | 58.522 | 0.116 | 297.205 | 1.17  | 0.116 | 221.718 | 1.169 | 0.116 | 0.132  | 0.0   | 0.116 | 0.126   | 0.0   |
| 109 | 12958 | 12959 | NS | 1 | -34.335 | 26.355 | 1.151 | -33.975 | 26.587 | 0.166 | 10.944  | 27.809 | 10.159 | 8.384   | 30.631 | 19.032 | 0.116 | 263.029 | 1.883 | 0.116 | 242.044 | 1.349 | 0.116 | 0.122  | 0.0   | 0.116 | 0.127   | 0.0   |
| 110 | 12958 | 12959 | NS | 2 | -34.335 | 26.972 | 1.201 | -33.975 | 26.604 | 0.166 | 6.82    | 29.27  | 26.721 | 8.376   | 30.631 | 40.148 | 0.116 | 263.029 | 1.88  | 0.116 | 242.044 | 1.35  | 0.116 | 0.132  | 0.0   | 0.116 | 0.127   | 0.0   |
| 111 | 12959 | 12960 | NS | 1 | -34.943 | 27.204 | 1.411 | -34.345 | 27.873 | 0.2   | -7.582  | 29.087 | 15.078 | -7.53   | 29.359 | 27.307 | 0.116 | 302.59  | 1.255 | 0.116 | 263.572 | 1.481 | 0.116 | 0.648  | 0.0   | 0.116 | 0.642   | 0.0   |

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

Normal

Deviations

Alarming

High Errors

|     |       |       |    |   |         |        |       |         |        |       |        |        |        |        |        |        |       |         |       |       |         |       |       |       |     |       |       |     |
|-----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|--------|--------|--------|--------|--------|--------|-------|---------|-------|-------|---------|-------|-------|-------|-----|-------|-------|-----|
| 112 | 12959 | 12960 | NS | 2 | -34.943 | 27.204 | 1.411 | -34.345 | 27.873 | 0.2   | -7.582 | 29.087 | 15.078 | -7.53  | 29.359 | 27.307 | 0.116 | 302.59  | 1.255 | 0.116 | 263.572 | 1.481 | 0.116 | 0.648 | 0.0 | 0.116 | 0.642 | 0.0 |
| 113 | 12959 | 12960 | SN | 1 | -31.812 | 25.385 | 0.82  | -34.821 | 25.818 | 2.471 | 7.715  | 28.838 | 18.984 | 9.794  | 29.946 | 31.45  | 0.116 | 147.155 | 0.826 | 0.116 | 294.159 | 0.635 | 0.116 | 0.129 | 0.0 | 0.116 | 0.124 | 0.0 |
| 114 | 12959 | 12960 | SN | 1 | -34.62  | 24.576 | 1.461 | -30.438 | 25.818 | 4.467 | 13.037 | 28.434 | 8.644  | 15.173 | 28.826 | 31.91  | 0.116 | 280.818 | 0.973 | 0.116 | 107.287 | 0.74  | 0.116 | 0.12  | 0.0 | 0.116 | 0.118 | 0.0 |
| 115 | 12959 | 12960 | SN | 1 | -31.733 | 19.604 | 0.0   | -30.438 | 25.264 | 0.273 | 13.037 | 28.434 | 6.475  | 15.173 | 28.829 | 31.496 | 0.116 | 144.537 | 1.031 | 0.116 | 107.287 | 0.886 | 0.116 | 0.12  | 0.0 | 0.116 | 0.118 | 0.0 |
| 116 | 12959 | 12960 | NS | 1 | -34.943 | 24.554 | 1.346 | -34.345 | 27.863 | 0.181 | -7.582 | 27.235 | 8.257  | -7.53  | 27.368 | 14.045 | 0.116 | 302.59  | 1.329 | 0.116 | 263.572 | 1.492 | 0.116 | 0.648 | 0.0 | 0.116 | 0.642 | 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     | 12932       | 12933     | SN   | 1    | 57.395          | 58.194 | 0.0       | 0.003         | 280.019 | 2.888     | 1190.752 | 1270.216 | 43.498    | -93.216  | -91.765 | 0.0       |
| 2     | 12932       | 12933     | SN   | 1    | 57.395          | 58.193 | 0.0       | 0.003         | 280.057 | 2.885     | 1190.736 | 1270.216 | 43.565    | -93.216  | -91.765 | 0.0       |
| 3     | 12932       | 12933     | NS   | 2    | 57.616          | 58.294 | 0.0       | 0.0           | 295.681 | 3.912     | 1231.68  | 1276.424 | 0.0       | -93.858  | -92.052 | 0.0       |
| 4     | 12932       | 12933     | NS   | 1    | 57.616          | 58.294 | 0.0       | 0.0           | 295.681 | 3.913     | 1231.68  | 1276.424 | 0.0       | -93.858  | -92.052 | 0.0       |
| 5     | 12932       | 12933     | SN   | 1    | 57.395          | 58.193 | 0.0       | 0.003         | 280.145 | 2.885     | 1190.736 | 1270.216 | 43.563    | -93.216  | -91.765 | 0.0       |
| 6     | 12933       | 12934     | SN   | 2    | 57.394          | 58.32  | 0.0       | 0.0           | 277.228 | 2.933     | 1190.496 | 1271.464 | 44.779    | -94.746  | -91.785 | 0.0       |
| 7     | 12933       | 12934     | SN   | 1    | 57.394          | 58.32  | 0.0       | 0.0           | 277.228 | 2.933     | 1190.496 | 1271.464 | 44.779    | -94.746  | -91.785 | 0.0       |
| 8     | 12933       | 12934     | SN   | 1    | 57.394          | 58.32  | 0.0       | 0.0           | 277.228 | 2.933     | 1190.496 | 1271.464 | 44.769    | -94.746  | -91.785 | 0.0       |
| 9     | 12933       | 12934     | NS   | 1    | 57.416          | 58.42  | 0.0       | 0.0           | 294.622 | 3.984     | 1227.512 | 1276.208 | 0.0       | -95.62   | -92.043 | 0.0       |
| 10    | 12934       | 12935     | SN   | 1    | 57.411          | 58.211 | 0.0       | 0.0           | 294.666 | 4.014     | 1190.432 | 1270.64  | 43.104    | -93.774  | -91.757 | 0.0       |
| 11    | 12934       | 12935     | SN   | 1    | 57.417          | 58.21  | 0.0       | 0.0           | 294.688 | 3.652     | 1190.432 | 1270.632 | 43.924    | -93.774  | -91.757 | 0.0       |
| 12    | 12935       | 12936     | NS   | 1    | 57.59           | 58.284 | 0.0       | 0.0           | 287.183 | 3.855     | 1231.816 | 1276.048 | 0.0       | -93.573  | -92.104 | 0.0       |
| 13    | 12935       | 12936     | SN   | 1    | 57.413          | 58.215 | 0.0       | 0.0           | 295.714 | 3.58      | 1190.448 | 1270.352 | 43.336    | -93.038  | -91.78  | 0.0       |
| 14    | 12935       | 12936     | SN   | 2    | 57.413          | 58.215 | 0.0       | 0.0           | 295.714 | 3.58      | 1190.448 | 1270.352 | 43.336    | -93.038  | -91.78  | 0.0       |
| 15    | 12936       | 12937     | NS   | 1    | 57.611          | 58.282 | 0.0       | 0.0           | 291.837 | 3.86      | 1232.032 | 1275.864 | 0.0       | -93.83   | -92.09  | 0.0       |
| 16    | 12936       | 12937     | SN   | 1    | 57.106          | 58.209 | 0.0       | 0.0           | 297.959 | 3.803     | 1188.568 | 1270.112 | 41.88     | -95.093  | -91.781 | 0.0       |
| 17    | 12936       | 12937     | NS   | 1    | 57.62           | 58.282 | 0.0       | 0.0           | 291.837 | 3.856     | 1232.032 | 1276.32  | 0.0       | -93.83   | -92.09  | 0.0       |
| 18    | 12936       | 12937     | SN   | 1    | 57.107          | 58.208 | 0.0       | 0.0           | 298.014 | 3.134     | 1188.584 | 1270.096 | 43.867    | -95.093  | -91.781 | 0.0       |
| 19    | 12937       | 12938     | SN   | 1    | 57.427          | 58.191 | 0.0       | 0.0           | 297.589 | 4.034     | 1190.72  | 1270.128 | 38.786    | -94.38   | -91.778 | 0.0       |
| 20    | 12937       | 12938     | SN   | 1    | 57.411          | 58.194 | 0.0       | 0.0           | 297.589 | 3.708     | 1190.72  | 1270.128 | 40.205    | -94.38   | -91.778 | 0.0       |
| 21    | 12937       | 12938     | NS   | 1    | 57.618          | 58.266 | 0.0       | 0.0           | 300.0   | 3.638     | 1232.008 | 1275.504 | 0.0       | -94.521  | -92.107 | 0.0       |
| 22    | 12938       | 12939     | SN   | 1    | 57.094          | 58.18  | 0.001     | 0.0           | 277.234 | 2.979     | 1190.472 | 1270.144 | 39.407    | -94.46   | -91.75  | 0.0       |
| 23    | 12938       | 12939     | SN   | 1    | 57.094          | 58.18  | 0.001     | 0.0           | 299.569 | 3.886     | 1190.472 | 1270.144 | 36.765    | -94.46   | -91.75  | 0.0       |
| 24    | 12938       | 12939     | NS   | 1    | 57.616          | 58.291 | 0.0       | 0.0           | 295.67  | 3.846     | 1232.104 | 1275.64  | 0.0       | -93.612  | -92.091 | 0.0       |
| 25    | 12939       | 12940     | SN   | 1    | 57.35           | 58.179 | 0.0       | 0.0           | 298.714 | 3.38      | 1189.784 | 1269.784 | 42.081    | -94.854  | -91.746 | 0.0       |
| 26    | 12939       | 12940     | NS   | 1    | 57.489          | 58.537 | 0.0       | 0.0           | 294.06  | 4.344     | 1230.536 | 1275.896 | 0.0       | -95.548  | -92.078 | 0.0       |
| 27    | 12939       | 12940     | SN   | 1    | 57.35           | 58.179 | 0.0       | 0.0           | 298.714 | 3.38      | 1189.784 | 1269.784 | 42.081    | -94.854  | -91.746 | 0.0       |
| 28    | 12940       | 12941     | SN   | 1    | 57.412          | 58.19  | 0.0       | 0.0           | 289.036 | 3.633     | 1190.232 | 1269.224 | 41.139    | -93.524  | -91.78  | 0.0       |
| 29    | 12940       | 12941     | SN   | 1    | 57.412          | 58.19  | 0.0       | 0.0           | 289.036 | 3.562     | 1190.232 | 1269.224 | 41.199    | -93.524  | -91.78  | 0.0       |
| 30    | 12941       | 12942     | NS   | 1    | 57.602          | 58.27  | 0.0       | 0.0           | 279.5   | 2.934     | 1232.776 | 1275.992 | 0.0       | -93.164  | -92.084 | 0.0       |
| 31    | 12941       | 12942     | SN   | 1    | 57.106          | 58.256 | 0.0       | 0.0           | 298.852 | 4.634     | 1187.472 | 1269.776 | 40.163    | -95.246  | -91.76  | 0.0       |
| 32    | 12941       | 12942     | NS   | 1    | 57.602          | 58.27  | 0.0       | 0.0           | 279.5   | 2.935     | 1232.776 | 1275.992 | 0.0       | -93.166  | -92.084 | 0.0       |
| 33    | 12941       | 12942     | NS   | 2    | 57.602          | 58.27  | 0.0       | 0.0           | 279.5   | 2.935     | 1232.776 | 1275.992 | 0.0       | -93.166  | -92.084 | 0.0       |
| 34    | 12941       | 12942     | SN   | 1    | 57.106          | 58.256 | 0.0       | 0.0           | 298.852 | 4.634     | 1187.472 | 1269.776 | 40.163    | -95.246  | -91.76  | 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 | 12942 | 12943 | NS | 1 | 57.379 | 58.284 | 0.0 | 0.0   | 294.142 | 3.645 | 1227.888 | 1275.792 | 0.0    | -94.897 | -92.102 | 0.0 |
| 36 | 12942 | 12943 | NS | 2 | 57.379 | 58.284 | 0.0 | 0.0   | 294.137 | 3.646 | 1227.888 | 1275.792 | 0.0    | -94.897 | -92.102 | 0.0 |
| 37 | 12942 | 12943 | SN | 1 | 57.402 | 58.177 | 0.0 | 0.0   | 48.32   | 2.574 | 1190.848 | 1268.304 | 46.928 | -95.574 | -91.768 | 0.0 |
| 38 | 12943 | 12944 | NS | 1 | 57.613 | 58.281 | 0.0 | 0.0   | 293.426 | 3.425 | 1232.856 | 1274.96  | 0.0    | -93.146 | -92.106 | 0.0 |
| 39 | 12943 | 12944 | NS | 1 | 57.614 | 58.282 | 0.0 | 0.003 | 293.442 | 2.968 | 1232.856 | 1275.048 | 0.0    | -93.149 | -92.106 | 0.0 |
| 40 | 12943 | 12944 | SN | 1 | 57.427 | 58.184 | 0.0 | 0.0   | 297.225 | 3.766 | 1190.544 | 1269.72  | 42.731 | -92.94  | -91.784 | 0.0 |
| 41 | 12943 | 12944 | NS | 1 | 57.614 | 58.282 | 0.0 | 0.0   | 293.442 | 3.426 | 1232.856 | 1275.488 | 0.0    | -93.146 | -92.106 | 0.0 |
| 42 | 12943 | 12944 | SN | 1 | 57.408 | 58.178 | 0.0 | 0.0   | 297.225 | 3.762 | 1190.6   | 1269.72  | 42.689 | -92.981 | -91.784 | 0.0 |
| 43 | 12944 | 12945 | NS | 1 | 57.604 | 58.285 | 0.0 | 0.0   | 299.26  | 3.795 | 1232.392 | 1275.008 | 0.0    | -93.55  | -92.108 | 0.0 |
| 44 | 12944 | 12945 | SN | 1 | 57.406 | 58.178 | 0.0 | 0.0   | 294.904 | 2.701 | 1190.904 | 1269.752 | 45.978 | -92.991 | -91.785 | 0.0 |
| 45 | 12944 | 12945 | NS | 1 | 57.604 | 58.266 | 0.0 | 0.0   | 294.176 | 2.164 | 1232.392 | 1274.992 | 0.0    | -93.55  | -92.108 | 0.0 |
| 46 | 12944 | 12945 | SN | 1 | 57.406 | 58.178 | 0.0 | 0.0   | 299.547 | 3.906 | 1190.904 | 1269.752 | 43.356 | -92.991 | -91.785 | 0.0 |
| 47 | 12944 | 12945 | SN | 2 | 57.406 | 58.178 | 0.0 | 0.0   | 299.547 | 3.906 | 1190.904 | 1269.752 | 43.356 | -92.991 | -91.785 | 0.0 |
| 48 | 12944 | 12945 | NS | 1 | 57.604 | 58.285 | 0.0 | 0.0   | 299.189 | 3.795 | 1232.392 | 1275.008 | 0.0    | -93.55  | -92.108 | 0.0 |
| 49 | 12945 | 12946 | NS | 1 | 57.621 | 58.495 | 0.0 | 0.0   | 299.988 | 3.974 | 1232.624 | 1274.832 | 0.0    | -95.622 | -92.101 | 0.0 |
| 50 | 12945 | 12946 | SN | 2 | 57.404 | 58.201 | 0.0 | 0.0   | 287.767 | 3.826 | 1191.104 | 1269.472 | 44.326 | -94.32  | -91.766 | 0.0 |
| 51 | 12945 | 12946 | SN | 1 | 57.401 | 58.201 | 0.0 | 0.0   | 287.767 | 3.518 | 1191.104 | 1269.472 | 45.606 | -94.32  | -91.766 | 0.0 |
| 52 | 12945 | 12946 | SN | 2 | 57.401 | 58.201 | 0.0 | 0.0   | 287.767 | 3.518 | 1191.104 | 1269.472 | 45.606 | -94.32  | -91.766 | 0.0 |
| 53 | 12945 | 12946 | NS | 1 | 57.619 | 58.494 | 0.0 | 0.0   | 299.928 | 3.966 | 1232.6   | 1274.768 | 0.0    | -95.622 | -92.1   | 0.0 |
| 54 | 12945 | 12946 | SN | 1 | 57.404 | 58.201 | 0.0 | 0.0   | 287.767 | 3.827 | 1191.104 | 1269.472 | 44.328 | -94.32  | -91.766 | 0.0 |
| 55 | 12946 | 12947 | SN | 2 | 57.434 | 58.174 | 0.0 | 0.0   | 298.461 | 3.317 | 1191.008 | 1269.104 | 43.027 | -93.332 | -91.749 | 0.0 |
| 56 | 12946 | 12947 | SN | 1 | 57.434 | 58.174 | 0.0 | 0.0   | 298.461 | 3.317 | 1191.008 | 1269.104 | 43.027 | -93.332 | -91.749 | 0.0 |
| 57 | 12946 | 12947 | SN | 1 | 57.434 | 58.174 | 0.0 | 0.0   | 298.461 | 3.259 | 1191.008 | 1269.104 | 43.414 | -93.332 | -91.749 | 0.0 |
| 58 | 12946 | 12947 | NS | 1 | 57.623 | 58.287 | 0.0 | 0.0   | 299.194 | 4.017 | 1232.936 | 1274.816 | 0.0    | -94.188 | -92.102 | 0.0 |
| 59 | 12946 | 12947 | NS | 1 | 57.623 | 58.273 | 0.0 | 0.0   | 299.194 | 4.136 | 1232.936 | 1274.816 | 0.0    | -94.188 | -92.102 | 0.0 |
| 60 | 12947 | 12948 | NS | 1 | 57.322 | 58.35  | 0.0 | 0.0   | 292.538 | 3.732 | 1225.64  | 1275.096 | 0.0    | -95.226 | -92.044 | 0.0 |
| 61 | 12947 | 12948 | NS | 1 | 57.322 | 58.35  | 0.0 | 0.0   | 292.538 | 3.726 | 1225.64  | 1275.04  | 0.0    | -95.226 | -92.044 | 0.0 |
| 62 | 12947 | 12948 | SN | 2 | 57.414 | 58.199 | 0.0 | 0.003 | 283.063 | 2.792 | 1190.816 | 1268.728 | 43.411 | -93.03  | -91.782 | 0.0 |
| 63 | 12947 | 12948 | SN | 1 | 57.414 | 58.183 | 0.0 | 0.003 | 283.052 | 2.792 | 1190.616 | 1268.736 | 43.408 | -93.03  | -91.782 | 0.0 |
| 64 | 12947 | 12948 | SN | 1 | 57.401 | 58.199 | 0.0 | 0.003 | 283.024 | 2.792 | 1190.816 | 1268.728 | 43.417 | -93.03  | -91.782 | 0.0 |
| 65 | 12948 | 12949 | SN | 1 | 57.411 | 58.289 | 0.0 | 0.0   | 296.641 | 3.725 | 1190.592 | 1269.384 | 43.68  | -95.532 | -91.78  | 0.0 |
| 66 | 12948 | 12949 | NS | 1 | 57.62  | 58.29  | 0.0 | 0.0   | 297.81  | 3.653 | 1232.952 | 1275.144 | 0.0    | -93.537 | -92.085 | 0.0 |
| 67 | 12948 | 12949 | SN | 1 | 57.411 | 58.289 | 0.0 | 0.0   | 299.812 | 3.804 | 1190.592 | 1269.384 | 43.245 | -95.532 | -91.78  | 0.0 |
| 68 | 12948 | 12949 | SN | 1 | 57.411 | 58.289 | 0.0 | 0.0   | 299.812 | 3.801 | 1190.592 | 1269.384 | 43.204 | -95.532 | -91.78  | 0.0 |
| 69 | 12949 | 12950 | SN | 1 | 57.433 | 58.204 | 0.0 | 0.0   | 298.417 | 3.328 | 1190.624 | 1268.368 | 44.374 | -95.246 | -91.78  | 0.0 |
| 70 | 12949 | 12950 | SN | 1 | 57.433 | 58.204 | 0.0 | 0.0   | 298.378 | 3.333 | 1190.624 | 1268.36  | 44.419 | -95.246 | -91.78  | 0.0 |
| 71 | 12949 | 12950 | NS | 2 | 57.626 | 58.582 | 0.0 | 0.0   | 299.034 | 4.173 | 1233.16  | 1284.608 | 0.0    | -95.79  | -92.09  | 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  | 12949 | 12950 | SN | 2 | 57.433 | 58.204 | 0.0   | 0.0   | 298.362 | 3.333  | 1190.624 | 1268.36  | 44.419 | -95.246 | -91.78  | 0.0 |
| 73  | 12949 | 12950 | NS | 1 | 57.626 | 58.582 | 0.0   | 0.0   | 299.034 | 4.173  | 1233.16  | 1284.608 | 0.0    | -95.79  | -92.09  | 0.0 |
| 74  | 12950 | 12951 | SN | 1 | 57.417 | 58.194 | 0.0   | 0.0   | 298.786 | 3.427  | 1190.728 | 1268.744 | 42.636 | -94.283 | -91.781 | 0.0 |
| 75  | 12950 | 12951 | NS | 1 | 57.553 | 58.292 | 0.0   | 0.0   | 297.352 | 4.03   | 1232.536 | 1275.368 | 0.0    | -95.164 | -92.106 | 0.0 |
| 76  | 12950 | 12951 | NS | 1 | 57.553 | 58.292 | 0.0   | 0.0   | 297.352 | 4.027  | 1232.536 | 1274.88  | 0.0    | -95.164 | -92.106 | 0.0 |
| 77  | 12950 | 12951 | SN | 1 | 57.417 | 58.194 | 0.0   | 0.0   | 298.803 | 3.428  | 1190.728 | 1268.744 | 42.628 | -94.283 | -91.781 | 0.0 |
| 78  | 12950 | 12951 | SN | 2 | 57.417 | 58.194 | 0.0   | 0.0   | 298.786 | 3.427  | 1190.728 | 1268.744 | 42.636 | -94.283 | -91.781 | 0.0 |
| 79  | 12951 | 12952 | SN | 1 | 57.349 | 58.219 | 0.0   | 0.0   | 297.556 | 3.589  | 1188.288 | 1268.568 | 40.45  | -95.162 | -91.774 | 0.0 |
| 80  | 12951 | 12952 | SN | 1 | 57.349 | 58.219 | 0.0   | 0.0   | 297.556 | 3.517  | 1188.288 | 1268.568 | 40.812 | -95.162 | -91.774 | 0.0 |
| 81  | 12951 | 12952 | SN | 1 | 57.349 | 58.219 | 0.0   | 0.0   | 297.556 | 3.585  | 1188.288 | 1268.568 | 40.44  | -95.162 | -91.774 | 0.0 |
| 82  | 12951 | 12952 | NS | 1 | 57.626 | 58.261 | 0.0   | 0.0   | 298.047 | 3.705  | 1233.512 | 1274.352 | 0.0    | -93.586 | -92.107 | 0.0 |
| 83  | 12951 | 12952 | NS | 2 | 57.616 | 58.26  | 0.0   | 0.0   | 298.003 | 3.707  | 1233.488 | 1274.36  | 0.0    | -93.586 | -92.107 | 0.0 |
| 84  | 12952 | 12953 | SN | 1 | 57.431 | 58.176 | 0.0   | 0.0   | 294.843 | 3.729  | 1190.952 | 1268.744 | 38.309 | -93.089 | -91.771 | 0.0 |
| 85  | 12952 | 12953 | NS | 1 | 57.444 | 58.288 | 0.0   | 0.0   | 288.424 | 3.757  | 1230.064 | 1274.384 | 0.0    | -95.482 | -92.115 | 0.0 |
| 86  | 12952 | 12953 | SN | 1 | 57.431 | 58.176 | 0.0   | 0.0   | 294.843 | 2.836  | 1190.952 | 1268.744 | 40.579 | -93.089 | -91.771 | 0.0 |
| 87  | 12952 | 12953 | SN | 1 | 57.431 | 58.176 | 0.0   | 0.0   | 294.843 | 3.729  | 1190.952 | 1268.744 | 38.309 | -93.089 | -91.771 | 0.0 |
| 88  | 12953 | 12954 | NS | 2 | 57.591 | 58.281 | 0.0   | 0.0   | 295.747 | 3.862  | 1233.336 | 1274.912 | 0.0    | -93.584 | -92.088 | 0.0 |
| 89  | 12953 | 12954 | SN | 1 | 57.188 | 58.214 | 0.001 | 0.0   | 298.499 | 3.908  | 1190.104 | 1268.696 | 39.698 | -95.458 | -91.737 | 0.0 |
| 90  | 12953 | 12954 | SN | 1 | 57.188 | 58.214 | 0.001 | 0.0   | 298.499 | 3.908  | 1190.104 | 1268.696 | 39.698 | -95.458 | -91.737 | 0.0 |
| 91  | 12953 | 12954 | NS | 1 | 57.592 | 58.282 | 0.0   | 0.0   | 295.736 | 3.862  | 1233.352 | 1274.912 | 0.0    | -93.584 | -92.088 | 0.0 |
| 92  | 12954 | 12955 | SN | 1 | 57.093 | 58.18  | 0.001 | 0.0   | 296.315 | 3.184  | 1189.464 | 1268.088 | 40.993 | -94.45  | -91.785 | 0.0 |
| 93  | 12954 | 12955 | NS | 1 | 57.53  | 58.508 | 0.0   | 0.003 | 299.222 | 3.639  | 1231.312 | 1279.328 | 0.0    | -95.942 | -92.088 | 0.0 |
| 94  | 12954 | 12955 | SN | 1 | 57.093 | 58.17  | 0.001 | 0.0   | 296.315 | 3.174  | 1189.464 | 1268.128 | 41.029 | -94.45  | -91.785 | 0.0 |
| 95  | 12954 | 12955 | NS | 2 | 57.53  | 58.508 | 0.0   | 0.0   | 299.222 | 3.638  | 1231.304 | 1279.344 | 0.0    | -95.942 | -92.088 | 0.0 |
| 96  | 12955 | 12956 | SN | 1 | 57.43  | 58.18  | 0.0   | 0.0   | 295.764 | 3.689  | 1191.392 | 1268.336 | 39.487 | -93.08  | -91.752 | 0.0 |
| 97  | 12955 | 12956 | NS | 1 | 57.629 | 58.258 | 0.0   | 0.0   | 297.286 | 3.395  | 1233.976 | 1274.144 | 0.0    | -93.201 | -92.085 | 0.0 |
| 98  | 12955 | 12956 | NS | 1 | 57.629 | 58.258 | 0.0   | 0.0   | 297.275 | 3.396  | 1233.976 | 1274.144 | 0.0    | -93.201 | -92.085 | 0.0 |
| 99  | 12955 | 12956 | SN | 2 | 57.43  | 58.18  | 0.0   | 0.0   | 295.764 | 3.689  | 1191.392 | 1268.336 | 39.487 | -93.08  | -91.752 | 0.0 |
| 100 | 12956 | 12957 | NS | 1 | 57.287 | 58.404 | 0.018 | 0.0   | 291.192 | 2.558  | 1226.432 | 1266.12  | 0.0    | -94.91  | -92.113 | 0.0 |
| 101 | 12956 | 12957 | NS | 1 | 57.599 | 58.246 | 0.0   | 0.0   | 291.236 | 2.565  | 1233.56  | 1261.704 | 0.0    | -93.521 | -92.113 | 0.0 |
| 102 | 12956 | 12957 | NS | 1 | 57.287 | 58.404 | 0.018 | 0.0   | 291.236 | 2.565  | 1226.424 | 1266.12  | 0.0    | -94.909 | -92.113 | 0.0 |
| 103 | 12957 | 12958 | NS | 1 | 57.979 | 58.174 | 0.0   | 0.0   | 298.18  | 16.398 | 1266.384 | 1273.28  | 0.0    | -93.05  | -92.319 | 0.0 |
| 104 | 12957 | 12958 | SN | 1 | 57.42  | 58.183 | 0.0   | 0.0   | 295.185 | 3.986  | 1190.632 | 1268.432 | 41.751 | -93.335 | -91.78  | 0.0 |
| 105 | 12957 | 12958 | SN | 1 | 57.42  | 58.183 | 0.0   | 0.0   | 295.185 | 3.99   | 1191.184 | 1268.432 | 41.721 | -93.335 | -91.78  | 0.0 |
| 106 | 12958 | 12959 | NS | 1 | 57.613 | 58.282 | 0.0   | 0.003 | 290.094 | 3.029  | 1233.272 | 1273.728 | 0.0    | -93.133 | -92.121 | 0.0 |
| 107 | 12958 | 12959 | SN | 1 | 57.432 | 58.169 | 0.0   | 0.0   | 293.293 | 3.751  | 1191.112 | 1268.456 | 42.598 | -92.999 | -91.786 | 0.0 |
| 108 | 12958 | 12959 | SN | 1 | 57.423 | 58.17  | 0.0   | 0.0   | 293.31  | 3.746  | 1191.112 | 1268.472 | 42.666 | -92.999 | -91.786 | 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 | 12958 | 12959 | NS | 1 | 57.613 | 58.278 | 0.0 | 0.003 | 284.094 | 1.978 | 1233.272 | 1273.728 | 0.0    | -93.16  | -92.121 | 0.0 |
| 110 | 12958 | 12959 | NS | 2 | 57.613 | 58.282 | 0.0 | 0.003 | 290.094 | 3.029 | 1233.272 | 1273.728 | 0.0    | -93.133 | -92.121 | 0.0 |
| 111 | 12959 | 12960 | NS | 1 | 57.49  | 58.53  | 0.0 | 0.0   | 288.843 | 4.082 | 1229.928 | 1273.648 | 0.0    | -94.687 | -92.111 | 0.0 |
| 112 | 12959 | 12960 | NS | 2 | 57.49  | 58.53  | 0.0 | 0.0   | 288.843 | 4.082 | 1229.928 | 1273.648 | 0.0    | -94.687 | -92.111 | 0.0 |
| 113 | 12959 | 12960 | SN | 1 | 57.431 | 58.182 | 0.0 | 0.0   | 297.137 | 4.169 | 1190.904 | 1268.416 | 42.662 | -94.38  | -91.788 | 0.0 |
| 114 | 12959 | 12960 | SN | 1 | 57.406 | 58.127 | 0.0 | 0.0   | 297.137 | 3.481 | 1191.304 | 1239.768 | 69.584 | -94.38  | -91.788 | 0.0 |
| 115 | 12959 | 12960 | SN | 1 | 57.435 | 58.127 | 0.0 | 0.0   | 23.596  | 1.445 | 1191.304 | 1233.408 | 76.813 | -94.38  | -91.788 | 0.0 |
| 116 | 12959 | 12960 | NS | 1 | 57.49  | 58.53  | 0.0 | 0.0   | 288.843 | 3.019 | 1229.928 | 1273.64  | 0.0    | -94.687 | -92.111 | 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     | 12932       | 12933     | SN      | 1    | -34.929 | 21.405   | 0.0        | -34.793 | 22.136   | 0.001      | 2.274   | 22.789    | 0.038      | 2.168   | 22.664  | 0.05       | 0.086 | 230.478  | 3.828      | 0.086 | 223.376  | 2.874      | 0.086 | 0.122     | 0.0        | 0.086 | 0.123  | 0.0        |
| 2     | 12932       | 12933     | SN      | 1    | -34.912 | 21.405   | 0.0        | -34.838 | 22.136   | 0.001      | 2.274   | 22.789    | 0.038      | 2.168   | 22.664  | 0.05       | 0.086 | 229.626  | 3.826      | 0.086 | 242.303  | 2.869      | 0.086 | 0.122     | 0.0        | 0.086 | 0.123  | 0.0        |
| 3     | 12932       | 12933     | NS      | 2    | -34.83  | 20.944   | 0.0        | -34.956 | 21.352   | 0.0        | -12.83  | 22.545    | 0.028      | -10.909 | 23.433  | 0.087      | 0.086 | 225.328  | 7.106      | 0.086 | 231.912  | 7.294      | 0.086 | 1.486     | 0.002      | 0.086 | 0.979  | 0.0        |
| 4     | 12932       | 12933     | NS      | 1    | -34.83  | 20.944   | 0.0        | -34.956 | 21.352   | 0.0        | -12.83  | 22.545    | 0.028      | -10.909 | 23.433  | 0.087      | 0.086 | 225.328  | 7.106      | 0.086 | 231.912  | 7.296      | 0.086 | 1.486     | 0.002      | 0.086 | 0.979  | 0.0        |
| 5     | 12932       | 12933     | SN      | 1    | -34.912 | 21.405   | 0.0        | -34.838 | 22.136   | 0.001      | 2.274   | 22.789    | 0.038      | 2.168   | 22.664  | 0.05       | 0.086 | 229.626  | 3.826      | 0.086 | 242.303  | 2.869      | 0.086 | 0.122     | 0.0        | 0.086 | 0.123  | 0.0        |
| 6     | 12933       | 12934     | SN      | 2    | -34.784 | 21.355   | 0.0        | -34.69  | 21.019   | 0.0        | -25.527 | 22.187    | 0.022      | -17.314 | 22.231  | 0.018      | 0.086 | 226.985  | 3.274      | 0.086 | 218.131  | 2.87       | 0.086 | 26.5      | 0.034      | 0.086 | 4.054  | 0.044      |
| 7     | 12933       | 12934     | SN      | 1    | -34.784 | 21.355   | 0.0        | -34.69  | 21.019   | 0.0        | -25.527 | 22.187    | 0.022      | -17.314 | 22.231  | 0.018      | 0.086 | 226.985  | 3.274      | 0.086 | 218.131  | 2.87       | 0.086 | 26.5      | 0.034      | 0.086 | 4.054  | 0.044      |
| 8     | 12933       | 12934     | SN      | 1    | -34.784 | 21.355   | 0.0        | -34.711 | 21.019   | 0.0        | -25.527 | 22.187    | 0.022      | -17.314 | 22.231  | 0.018      | 0.086 | 226.985  | 3.276      | 0.086 | 219.232  | 2.87       | 0.086 | 26.5      | 0.034      | 0.086 | 4.054  | 0.044      |
| 9     | 12933       | 12934     | NS      | 1    | -34.674 | 20.201   | 0.0        | -34.993 | 20.603   | 0.0        | -13.465 | 22.783    | 0.012      | -24.439 | 23.207  | 0.033      | 0.086 | 217.367  | 5.107      | 0.086 | 233.858  | 4.905      | 0.086 | 1.753     | 0.002      | 0.086 | 20.645 | 0.043      |
| 10    | 12934       | 12935     | SN      | 1    | -34.765 | 19.66    | 0.0        | -34.547 | 21.9     | 0.0        | -28.171 | 22.495    | 0.057      | -10.227 | 22.641  | 0.131      | 0.086 | 226.855  | 1.848      | 0.086 | 226.681  | 1.618      | 0.086 | 48.666    | 0.08       | 0.086 | 0.876  | 0.0        |
| 11    | 12934       | 12935     | SN      | 1    | -34.999 | 19.66    | 0.0        | -34.588 | 21.9     | 0.0        | -27.539 | 22.495    | 0.057      | -10.629 | 22.641  | 0.136      | 0.086 | 245.633  | 1.888      | 0.086 | 228.738  | 1.643      | 0.086 | 42.091    | 0.08       | 0.086 | 0.922  | 0.0        |
| 12    | 12935       | 12936     | NS      | 1    | -34.188 | 20.736   | 0.0        | -34.629 | 20.435   | 0.0        | -22.425 | 22.897    | 0.012      | -21.427 | 23.075  | 0.029      | 0.086 | 194.366  | 2.783      | 0.086 | 215.107  | 2.618      | 0.086 | 13.008    | 0.023      | 0.086 | 10.35  | 0.02       |
| 13    | 12935       | 12936     | SN      | 1    | -34.229 | 19.361   | 0.0        | -34.747 | 19.158   | 0.0        | 0.088   | 21.895    | 0.0        | 1.356   | 22.808  | 0.142      | 0.086 | 196.15   | 1.604      | 0.086 | 221.016  | 1.491      | 0.086 | 0.148     | 0.0        | 0.086 | 0.131  | 0.0        |
| 14    | 12935       | 12936     | SN      | 2    | -34.229 | 19.361   | 0.0        | -34.747 | 19.158   | 0.0        | 0.088   | 21.895    | 0.0        | 1.356   | 22.808  | 0.142      | 0.086 | 196.15   | 1.604      | 0.086 | 221.016  | 1.491      | 0.086 | 0.148     | 0.0        | 0.086 | 0.131  | 0.0        |
| 15    | 12936       | 12937     | NS      | 1    | -34.883 | 20.842   | 0.0        | -34.987 | 20.591   | 0.0        | -23.23  | 22.098    | 0.003      | -21.565 | 23.012  | 0.046      | 0.086 | 228.041  | 0.952      | 0.086 | 233.572  | 1.141      | 0.086 | 15.641    | 0.108      | 0.086 | 10.681 | 0.033      |
| 16    | 12936       | 12937     | SN      | 1    | -34.798 | 17.901   | 0.0        | -34.411 | 17.868   | 0.0        | 0.345   | 22.22     | 0.018      | 3.753   | 22.18   | 0.01       | 0.086 | 223.643  | 1.609      | 0.086 | 204.58   | 1.393      | 0.086 | 0.144     | 0.0        | 0.086 | 0.111  | 0.0        |
| 17    | 12936       | 12937     | NS      | 1    | -34.77  | 20.84    | 0.0        | -33.532 | 20.589   | 0.0        | -23.183 | 22.099    | 0.003      | -21.76  | 23.014  | 0.048      | 0.086 | 222.156  | 0.954      | 0.086 | 167.13   | 1.142      | 0.086 | 15.479    | 0.108      | 0.086 | 11.172 | 0.035      |
| 18    | 12936       | 12937     | SN      | 1    | -34.81  | 17.899   | 0.0        | -34.578 | 17.868   | 0.0        | 0.345   | 22.22     | 0.02       | 3.753   | 22.18   | 0.011      | 0.086 | 224.272  | 1.662      | 0.086 | 212.565  | 1.468      | 0.086 | 0.144     | 0.0        | 0.086 | 0.111  | 0.0        |
| 19    | 12937       | 12938     | SN      | 1    | -34.636 | 17.798   | 0.0        | -34.436 | 17.99    | 0.0        | 0.175   | 23.371    | 0.377      | -27.207 | 24.791  | 0.831      | 0.086 | 215.424  | 3.989      | 0.086 | 205.713  | 3.493      | 0.086 | 0.146     | 0.0        | 0.086 | 38.998 | 0.006      |
| 20    | 12937       | 12938     | SN      | 1    | -34.977 | 17.798   | 0.0        | -34.688 | 17.99    | 0.0        | 0.175   | 23.371    | 0.386      | -27.208 | 24.792  | 0.831      | 0.086 | 233.08   | 4.16       | 0.086 | 218.028  | 3.714      | 0.086 | 0.146     | 0.0        | 0.086 | 39.003 | 0.006      |
| 21    | 12937       | 12938     | NS      | 1    | -32.764 | 21.698   | 0.0        | -34.869 | 21.873   | 0.0        | 2.658   | 22.198    | 0.015      | 1.396   | 22.73   | 0.199      | 0.086 | 140.002  | 1.679      | 0.086 | 227.34   | 1.448      | 0.086 | 0.119     | 0.0        | 0.086 | 0.131  | 0.0        |
| 22    | 12938       | 12939     | SN      | 1    | -34.176 | 21.032   | 0.0        | -34.145 | 21.299   | 0.0        | -21.914 | 23.877    | 0.279      | -16.568 | 25.812  | 0.698      | 0.086 | 193.77   | 6.007      | 0.086 | 192.404  | 5.277      | 0.086 | 11.572    | 0.014      | 0.086 | 3.425  | 0.026      |
| 23    | 12938       | 12939     | SN      | 1    | -34.176 | 21.032   | 0.0        | -34.145 | 21.299   | 0.0        | -21.914 | 23.877    | 0.261      | -16.568 | 25.812  | 0.697      | 0.086 | 193.77   | 5.672      | 0.086 | 192.404  | 4.667      | 0.086 | 11.572    | 0.013      | 0.086 | 3.425  | 0.026      |
| 24    | 12938       | 12939     | NS      | 1    | -34.922 | 21.533   | 0.0        | -34.236 | 21.59    | 0.0        | -11.458 | 22.797    | 0.106      | -10.682 | 23.714  | 0.66       | 0.086 | 230.121  | 1.811      | 0.086 | 196.522  | 1.92       | 0.086 | 1.13      | 0.002      | 0.086 | 0.932  | 0.0        |
| 25    | 12939       | 12940     | SN      | 1    | -34.987 | 23.029   | 0.014      | -34.81  | 21.852   | 0.0        | -34.283 | 23.349    | 0.245      | -8.095  | 23.266  | 0.167      | 0.086 | 233.575  | 7.926      | 0.086 | 224.271  | 6.928      | 0.086 | 198.583   | 0.028      | 0.086 | 0.544  | 0.0        |
| 26    | 12939       | 12940     | NS      | 1    | -34.334 | 21.796   | 0.0        | -34.578 | 21.765   | 0.0        | -15.719 | 22.673    | 0.157      | -1.794  | 23.952  | 1.516      | 0.086 | 200.928  | 2.646      | 0.086 | 212.624  | 2.936      | 0.086 | 2.828     | 0.004      | 0.086 | 0.185  | 0.0        |
| 27    | 12939       | 12940     | SN      | 1    | -34.987 | 23.029   | 0.014      | -34.81  | 21.852   | 0.0        | -34.283 | 23.349    | 0.245      | -8.095  | 23.266  | 0.167      | 0.086 | 233.575  | 7.926      | 0.086 | 224.271  | 6.928      | 0.086 | 198.583   | 0.028      | 0.086 | 0.544  | 0.0        |
| 28    | 12940       | 12941     | SN      | 1    | -34.832 | 22.52    | 0.001      | -34.827 | 21.819   | 0.0        | -32.822 | 25.023    | 0.303      | -22.379 | 23.768  | 0.367      | 0.086 | 225.356  | 8.322      | 0.086 | 225.112  | 7.742      | 0.086 | 146.824   | 0.099      | 0.086 | 12.873 | 0.122      |
| 29    | 12940       | 12941     | SN      | 1    | -34.832 | 22.52    | 0.001      | -34.827 | 21.819   | 0.0        | -32.822 | 25.023    | 0.303      | -22.379 | 23.768  | 0.367      | 0.086 | 225.356  | 8.331      | 0.086 | 225.112  | 7.751      | 0.086 | 146.824   | 0.099      | 0.086 | 12.873 | 0.122      |
| 30    | 12941       | 12942     | NS      | 1    | -34.467 | 20.08    | 0.0        | -34.64  | 18.954   | 0.0        | 0.717   | 22.659    | 0.067      | 1.192   | 23.621  | 0.967      | 0.086 | 207.194  | 3.47       | 0.086 | 215.664  | 3.271      | 0.086 | 0.139     | 0.0        | 0.086 | 0.133  | 0.0        |
| 31    | 12941       | 12942     | SN      | 1    | -34.745 | 21.033   | 0.0        | -33.766 | 21.883   | 0.0        | -25.903 | 23.091    | 0.204      | -30.437 | 23.908  | 0.244      | 0.086 | 220.948  | 2.731      | 0.086 | 176.373  | 1.915      | 0.086 | 28.892    | 0.04       | 0.086 | 81.952 | 0.044      |
| 32    | 12941       | 12942     | NS      | 1    | -34.406 | 20.08    | 0.0        | -34.64  | 18.954   | 0.0        | 0.718   | 22.659    | 0.067      | 1.19    | 23.621  | 0.963      | 0.086 | 204.38   | 3.47       | 0.086 | 215.664  | 3.275      | 0.086 | 0.139     | 0.0        | 0.086 | 0.133  | 0.0        |

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

|    |       |       |    |   |         |        |     |         |        |       |         |        |       |         |        |       |       |         |       |       |         |       |       |         |       |       |         |       |
|----|-------|-------|----|---|---------|--------|-----|---------|--------|-------|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|
| 33 | 12941 | 12942 | NS | 2 | -34.406 | 20.08  | 0.0 | -34.64  | 18.954 | 0.0   | 0.718   | 22.659 | 0.067 | 1.19    | 23.621 | 0.963 | 0.086 | 204.38  | 3.47  | 0.086 | 215.664 | 3.275 | 0.086 | 0.139   | 0.0   | 0.086 | 0.133   | 0.0   |
| 34 | 12941 | 12942 | SN | 1 | -34.745 | 21.033 | 0.0 | -33.766 | 21.883 | 0.0   | -25.903 | 23.091 | 0.204 | -30.437 | 23.908 | 0.244 | 0.086 | 220.948 | 2.731 | 0.086 | 176.373 | 1.915 | 0.086 | 28.892  | 0.04  | 0.086 | 81.952  | 0.044 |
| 35 | 12942 | 12943 | NS | 1 | -34.518 | 18.509 | 0.0 | -34.069 | 17.313 | 0.0   | -1.16   | 22.611 | 0.105 | -4.611  | 23.461 | 1.055 | 0.086 | 209.694 | 1.759 | 0.087 | 189.113 | 1.808 | 0.086 | 0.17    | 0.0   | 0.086 | 0.284   | 0.0   |
| 36 | 12942 | 12943 | NS | 2 | -34.518 | 18.509 | 0.0 | -34.069 | 17.313 | 0.0   | -1.16   | 22.611 | 0.105 | -4.611  | 23.461 | 1.055 | 0.086 | 209.694 | 1.759 | 0.087 | 189.113 | 1.808 | 0.086 | 0.17    | 0.0   | 0.086 | 0.284   | 0.0   |
| 37 | 12942 | 12943 | SN | 1 | -33.399 | 20.588 | 0.0 | -34.773 | 21.038 | 0.0   | -34.317 | 23.413 | 0.145 | -13.202 | 23.909 | 0.301 | 0.086 | 162.065 | 1.172 | 0.086 | 222.334 | 1.64  | 0.086 | 200.204 | 0.006 | 0.086 | 1.613   | 0.005 |
| 38 | 12943 | 12944 | NS | 1 | -32.997 | 21.596 | 0.0 | -34.258 | 17.644 | 0.0   | 0.975   | 22.893 | 0.074 | 1.14    | 23.547 | 1.245 | 0.086 | 147.742 | 1.115 | 0.087 | 197.456 | 1.076 | 0.086 | 0.136   | 0.0   | 0.086 | 0.134   | 0.0   |
| 39 | 12943 | 12944 | NS | 1 | -34.569 | 21.596 | 0.0 | -34.145 | 17.644 | 0.0   | 0.975   | 22.893 | 0.076 | 1.137   | 23.547 | 1.414 | 0.086 | 212.129 | 1.118 | 0.087 | 192.406 | 1.077 | 0.086 | 0.136   | 0.0   | 0.086 | 0.134   | 0.0   |
| 40 | 12943 | 12944 | SN | 1 | -34.916 | 20.257 | 0.0 | -34.796 | 20.609 | 0.0   | -22.058 | 23.255 | 0.545 | -26.367 | 23.742 | 1.01  | 0.086 | 229.745 | 1.728 | 0.086 | 231.283 | 1.473 | 0.086 | 11.959  | 0.052 | 0.086 | 32.143  | 0.092 |
| 41 | 12943 | 12944 | NS | 1 | -32.997 | 21.596 | 0.0 | -34.258 | 17.644 | 0.0   | 0.975   | 22.893 | 0.074 | 1.14    | 23.547 | 1.245 | 0.086 | 147.742 | 1.115 | 0.087 | 197.456 | 1.076 | 0.086 | 0.136   | 0.0   | 0.086 | 0.134   | 0.0   |
| 42 | 12943 | 12944 | SN | 1 | -34.468 | 20.257 | 0.0 | -33.554 | 20.609 | 0.0   | -22.057 | 23.255 | 0.545 | -26.31  | 23.742 | 1.005 | 0.086 | 207.311 | 1.731 | 0.086 | 167.938 | 1.468 | 0.086 | 11.957  | 0.052 | 0.086 | 31.729  | 0.092 |
| 43 | 12944 | 12945 | NS | 1 | -33.078 | 20.586 | 0.0 | -34.894 | 21.149 | 0.0   | 2.163   | 23.738 | 0.68  | 2.372   | 23.672 | 1.121 | 0.086 | 150.492 | 1.021 | 0.086 | 228.616 | 0.85  | 0.086 | 0.123   | 0.0   | 0.086 | 0.121   | 0.0   |
| 44 | 12944 | 12945 | SN | 1 | -34.908 | 20.269 | 0.0 | -34.9   | 19.943 | 0.0   | 2.096   | 23.276 | 0.264 | 3.783   | 23.505 | 1.148 | 0.086 | 229.355 | 1.254 | 0.086 | 228.937 | 1.153 | 0.086 | 0.123   | 0.0   | 0.086 | 0.111   | 0.0   |
| 45 | 12944 | 12945 | NS | 1 | -33.037 | 18.538 | 0.0 | -34.894 | 21.149 | 0.0   | 2.383   | 22.237 | 0.006 | 2.78    | 21.279 | 0.0   | 0.086 | 149.118 | 0.885 | 0.086 | 228.616 | 0.859 | 0.086 | 0.121   | 0.0   | 0.086 | 0.118   | 0.0   |
| 46 | 12944 | 12945 | SN | 1 | -34.908 | 20.269 | 0.0 | -34.9   | 19.943 | 0.0   | 2.096   | 23.276 | 0.281 | 3.783   | 23.505 | 1.156 | 0.086 | 229.355 | 1.225 | 0.086 | 228.937 | 1.069 | 0.086 | 0.123   | 0.0   | 0.086 | 0.111   | 0.0   |
| 47 | 12944 | 12945 | SN | 2 | -34.908 | 20.269 | 0.0 | -34.9   | 19.943 | 0.0   | 2.096   | 23.276 | 0.281 | 3.783   | 23.505 | 1.156 | 0.086 | 229.355 | 1.225 | 0.086 | 228.937 | 1.069 | 0.086 | 0.123   | 0.0   | 0.086 | 0.111   | 0.0   |
| 48 | 12944 | 12945 | NS | 1 | -33.065 | 20.586 | 0.0 | -34.894 | 21.149 | 0.0   | 2.163   | 23.738 | 0.68  | 2.373   | 23.672 | 1.121 | 0.086 | 150.06  | 1.021 | 0.086 | 228.616 | 0.85  | 0.086 | 0.123   | 0.0   | 0.086 | 0.121   | 0.0   |
| 49 | 12945 | 12946 | NS | 1 | -34.119 | 21.094 | 0.0 | -34.086 | 20.79  | 0.0   | -21.472 | 23.464 | 0.253 | -23.223 | 23.75  | 0.455 | 0.086 | 191.252 | 2.982 | 0.086 | 189.816 | 3.218 | 0.086 | 10.458  | 0.018 | 0.086 | 15.62   | 0.004 |
| 50 | 12945 | 12946 | SN | 2 | -33.064 | 21.531 | 0.0 | -34.691 | 21.412 | 0.0   | -13.078 | 22.87  | 0.027 | -10.711 | 26.126 | 0.032 | 0.086 | 161.084 | 1.394 | 0.086 | 225.756 | 1.112 | 0.086 | 1.569   | 0.003 | 0.086 | 0.938   | 0.0   |
| 51 | 12945 | 12946 | SN | 1 | -33.175 | 21.531 | 0.0 | -34.691 | 21.412 | 0.0   | -13.078 | 22.87  | 0.026 | -10.711 | 26.126 | 0.032 | 0.086 | 159.234 | 1.435 | 0.086 | 225.756 | 1.205 | 0.086 | 1.569   | 0.003 | 0.086 | 0.938   | 0.0   |
| 52 | 12945 | 12946 | SN | 2 | -33.175 | 21.531 | 0.0 | -34.691 | 21.412 | 0.0   | -13.078 | 22.87  | 0.026 | -10.711 | 26.126 | 0.032 | 0.086 | 159.234 | 1.435 | 0.086 | 225.756 | 1.205 | 0.086 | 1.569   | 0.003 | 0.086 | 0.938   | 0.0   |
| 53 | 12945 | 12946 | NS | 1 | -34.996 | 21.094 | 0.0 | -34.044 | 20.79  | 0.0   | -21.229 | 23.464 | 0.253 | -23.203 | 23.75  | 0.452 | 0.086 | 234.022 | 2.991 | 0.086 | 188.012 | 3.215 | 0.086 | 9.894   | 0.018 | 0.086 | 15.548  | 0.004 |
| 54 | 12945 | 12946 | SN | 1 | -33.064 | 21.531 | 0.0 | -34.691 | 21.412 | 0.0   | -13.078 | 22.87  | 0.027 | -10.711 | 26.126 | 0.032 | 0.086 | 161.085 | 1.395 | 0.086 | 225.756 | 1.112 | 0.086 | 1.569   | 0.003 | 0.086 | 0.938   | 0.0   |
| 55 | 12946 | 12947 | SN | 2 | -34.199 | 21.841 | 0.0 | -32.985 | 22.008 | 0.001 | -34.32  | 22.656 | 0.031 | -26.198 | 23.0   | 0.045 | 0.086 | 201.521 | 2.505 | 0.086 | 147.326 | 1.873 | 0.086 | 200.303 | 0.035 | 0.086 | 30.921  | 0.038 |
| 56 | 12946 | 12947 | SN | 1 | -34.199 | 21.841 | 0.0 | -32.985 | 22.008 | 0.001 | -34.32  | 22.656 | 0.031 | -26.198 | 23.0   | 0.045 | 0.086 | 201.521 | 2.505 | 0.086 | 147.326 | 1.873 | 0.086 | 200.303 | 0.035 | 0.086 | 30.921  | 0.038 |
| 57 | 12946 | 12947 | SN | 1 | -34.199 | 21.841 | 0.0 | -32.985 | 22.008 | 0.001 | -34.32  | 22.656 | 0.031 | -26.198 | 23.0   | 0.045 | 0.086 | 201.521 | 2.545 | 0.086 | 147.326 | 1.9   | 0.086 | 200.303 | 0.035 | 0.086 | 30.921  | 0.038 |
| 58 | 12946 | 12947 | NS | 1 | -34.83  | 21.309 | 0.0 | -34.971 | 21.756 | 0.0   | -3.064  | 23.294 | 0.027 | -11.265 | 24.952 | 0.103 | 0.086 | 225.319 | 3.52  | 0.086 | 232.686 | 4.192 | 0.086 | 0.221   | 0.0   | 0.086 | 1.056   | 0.005 |
| 59 | 12946 | 12947 | NS | 1 | -34.864 | 21.312 | 0.0 | -34.329 | 21.756 | 0.0   | -3.069  | 23.294 | 0.027 | -11.266 | 24.952 | 0.103 | 0.086 | 227.087 | 3.504 | 0.086 | 200.746 | 4.17  | 0.086 | 0.221   | 0.0   | 0.086 | 1.057   | 0.005 |
| 60 | 12947 | 12948 | NS | 1 | -34.928 | 21.146 | 0.0 | -34.9   | 20.865 | 0.0   | -21.166 | 22.791 | 0.016 | -30.281 | 23.066 | 0.073 | 0.086 | 230.421 | 8.54  | 0.086 | 228.972 | 9.295 | 0.086 | 9.749   | 0.007 | 0.086 | 79.072  | 0.062 |
| 61 | 12947 | 12948 | NS | 1 | -34.891 | 21.146 | 0.0 | -34.984 | 20.865 | 0.0   | -21.174 | 22.789 | 0.016 | -34.652 | 23.066 | 0.073 | 0.086 | 228.48  | 8.554 | 0.086 | 233.418 | 9.301 | 0.086 | 9.768   | 0.007 | 0.086 | 216.264 | 0.063 |
| 62 | 12947 | 12948 | SN | 2 | -34.932 | 20.818 | 0.0 | -34.634 | 21.001 | 0.0   | 1.493   | 22.525 | 0.086 | 2.414   | 22.699 | 0.149 | 0.086 | 238.634 | 2.314 | 0.086 | 215.317 | 1.67  | 0.086 | 0.13    | 0.0   | 0.086 | 0.121   | 0.0   |
| 63 | 12947 | 12948 | SN | 1 | -34.847 | 20.818 | 0.0 | -34.634 | 21.001 | 0.0   | 1.493   | 22.525 | 0.086 | 2.414   | 22.699 | 0.149 | 0.086 | 229.044 | 2.315 | 0.086 | 215.317 | 1.669 | 0.086 | 0.13    | 0.0   | 0.086 | 0.121   | 0.0   |
| 64 | 12947 | 12948 | SN | 1 | -34.932 | 20.818 | 0.0 | -34.634 | 21.001 | 0.0   | 1.493   | 22.525 | 0.086 | 2.414   | 22.699 | 0.149 | 0.086 | 238.634 | 2.314 | 0.086 | 215.317 | 1.671 | 0.086 | 0.13    | 0.0   | 0.086 | 0.121   | 0.0   |
| 65 | 12948 | 12949 | SN | 1 | -34.564 | 21.378 | 0.0 | -34.724 | 21.484 | 0.0   | -7.51   | 22.291 | 0.035 | 1.263   | 22.678 | 0.047 | 0.086 | 211.881 | 1.24  | 0.086 | 219.852 | 1.24  | 0.086 | 0.484   | 0.0   | 0.086 | 0.132   | 0.0   |
| 66 | 12948 | 12949 | NS | 1 | -34.888 | 20.812 | 0.0 | -34.761 | 20.645 | 0.0   | -29.181 | 22.288 | 0.004 | -25.811 | 22.6   | 0.032 | 0.086 | 228.299 | 8.424 | 0.086 | 221.726 | 8.516 | 0.086 | 61.403  | 0.215 | 0.086 | 28.297  | 0.14  |
| 67 | 12948 | 12949 | SN | 1 | -34.564 | 21.378 | 0.0 | -34.724 | 21.484 | 0.0   | -7.51   | 22.291 | 0.035 | 1.263   | 22.678 | 0.047 | 0.086 | 211.881 | 1.225 | 0.086 | 219.852 | 1.229 | 0.086 | 0.484   | 0.0   | 0.086 | 0.132   | 0.0   |
| 68 | 12948 | 12949 | SN | 1 | -34.888 | 21.378 | 0.0 | -34.79  | 21.484 | 0.0   | -7.492  | 22.291 | 0.035 | 1.263   | 22.678 | 0.047 | 0.086 | 228.313 | 1.225 | 0.086 | 223.197 | 1.226 | 0.086 | 0.483   | 0.0   | 0.086 | 0.132   | 0.0   |
| 69 | 12949 | 12950 | SN | 1 | -34.753 | 18.827 | 0.0 | -34.803 | 20.029 | 0.0   | 0.55    | 22.376 | 0.04  | 2.189   | 22.645 | 0.164 | 0.086 | 221.349 | 0.997 | 0.086 | 223.834 | 1.067 | 0.086 | 0.141   | 0.0   | 0.086 | 0.123   | 0.0   |

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

■ Normal      ■ Deviations  
■ Alarming      ■ High Errors







|     |       |       |    |   |         |        |       |         |        |     |         |        |       |         |        |       |       |         |       |       |         |       |       |         |       |       |         |       |
|-----|-------|-------|----|---|---------|--------|-------|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|
| 70  | 12949 | 12950 | SN | 1 | -34.753 | 18.827 | 0.0   | -34.803 | 20.029 | 0.0 | 0.55    | 22.376 | 0.04  | 2.189   | 22.645 | 0.164 | 0.086 | 221.349 | 0.998 | 0.086 | 223.834 | 1.069 | 0.086 | 0.141   | 0.0   | 0.086 | 0.123   | 0.0   |
| 71  | 12949 | 12950 | NS | 2 | -34.029 | 20.933 | 0.0   | -34.92  | 21.114 | 0.0 | -9.93   | 22.709 | 0.023 | -31.292 | 23.007 | 0.046 | 0.086 | 187.323 | 1.528 | 0.086 | 230.016 | 1.772 | 0.086 | 0.795   | 0.0   | 0.086 | 99.797  | 0.011 |
| 72  | 12949 | 12950 | SN | 2 | -34.753 | 18.827 | 0.0   | -34.803 | 20.029 | 0.0 | 0.55    | 22.376 | 0.04  | 2.189   | 22.645 | 0.164 | 0.086 | 221.349 | 0.998 | 0.086 | 223.834 | 1.069 | 0.086 | 0.141   | 0.0   | 0.086 | 0.123   | 0.0   |
| 73  | 12949 | 12950 | NS | 1 | -34.029 | 20.933 | 0.0   | -34.92  | 21.114 | 0.0 | -9.93   | 22.709 | 0.023 | -31.292 | 23.007 | 0.046 | 0.086 | 187.323 | 1.528 | 0.086 | 230.016 | 1.772 | 0.086 | 0.795   | 0.0   | 0.086 | 99.797  | 0.011 |
| 74  | 12950 | 12951 | SN | 1 | -34.125 | 19.242 | 0.0   | -33.619 | 19.477 | 0.0 | 0.37    | 22.611 | 0.019 | 2.562   | 22.183 | 0.007 | 0.086 | 191.549 | 0.878 | 0.086 | 170.457 | 0.748 | 0.086 | 0.144   | 0.0   | 0.086 | 0.119   | 0.0   |
| 75  | 12950 | 12951 | NS | 1 | -34.566 | 19.949 | 0.0   | -33.729 | 17.478 | 0.0 | -21.17  | 22.317 | 0.006 | -23.123 | 23.06  | 0.037 | 0.086 | 212.013 | 3.144 | 0.087 | 174.836 | 3.061 | 0.086 | 9.759   | 0.015 | 0.086 | 15.264  | 0.035 |
| 76  | 12950 | 12951 | NS | 1 | -34.566 | 19.949 | 0.0   | -33.729 | 17.478 | 0.0 | -21.17  | 22.317 | 0.006 | -23.123 | 23.049 | 0.037 | 0.086 | 212.013 | 3.148 | 0.087 | 174.836 | 3.056 | 0.086 | 9.759   | 0.015 | 0.086 | 15.264  | 0.035 |
| 77  | 12950 | 12951 | SN | 1 | -34.125 | 19.242 | 0.0   | -33.619 | 19.477 | 0.0 | 0.37    | 22.611 | 0.019 | 2.562   | 22.183 | 0.007 | 0.086 | 191.549 | 0.878 | 0.086 | 170.457 | 0.748 | 0.086 | 0.144   | 0.0   | 0.086 | 0.119   | 0.0   |
| 78  | 12950 | 12951 | SN | 2 | -34.125 | 19.242 | 0.0   | -33.619 | 19.477 | 0.0 | 0.37    | 22.611 | 0.019 | 2.562   | 22.183 | 0.007 | 0.086 | 191.549 | 0.878 | 0.086 | 170.457 | 0.748 | 0.086 | 0.144   | 0.0   | 0.086 | 0.119   | 0.0   |
| 79  | 12951 | 12952 | SN | 1 | -33.998 | 18.103 | 0.0   | -32.75  | 18.244 | 0.0 | -2.45   | 23.133 | 0.292 | -1.304  | 23.454 | 0.519 | 0.086 | 186.031 | 1.097 | 0.086 | 139.582 | 0.905 | 0.086 | 0.202   | 0.0   | 0.086 | 0.173   | 0.0   |
| 80  | 12951 | 12952 | SN | 1 | -33.998 | 18.103 | 0.0   | -32.75  | 18.244 | 0.0 | -2.45   | 23.133 | 0.295 | -1.304  | 23.454 | 0.519 | 0.086 | 186.031 | 1.106 | 0.086 | 139.582 | 0.917 | 0.086 | 0.202   | 0.0   | 0.086 | 0.173   | 0.0   |
| 81  | 12951 | 12952 | SN | 1 | -33.998 | 18.103 | 0.0   | -32.75  | 18.244 | 0.0 | -2.452  | 23.133 | 0.292 | -1.301  | 23.454 | 0.518 | 0.086 | 186.031 | 1.096 | 0.086 | 139.582 | 0.904 | 0.086 | 0.202   | 0.0   | 0.086 | 0.173   | 0.0   |
| 82  | 12951 | 12952 | NS | 1 | -34.807 | 20.959 | 0.0   | -34.795 | 21.598 | 0.0 | -23.178 | 22.538 | 0.018 | -21.478 | 22.87  | 0.109 | 0.086 | 224.064 | 1.529 | 0.086 | 223.467 | 1.562 | 0.086 | 15.463  | 0.169 | 0.086 | 10.472  | 0.045 |
| 83  | 12951 | 12952 | NS | 2 | -34.864 | 20.959 | 0.0   | -34.926 | 21.598 | 0.0 | -23.175 | 22.538 | 0.018 | -21.478 | 22.87  | 0.109 | 0.086 | 227.063 | 1.529 | 0.086 | 230.366 | 1.562 | 0.086 | 15.448  | 0.169 | 0.086 | 10.472  | 0.045 |
| 84  | 12952 | 12953 | SN | 1 | -34.498 | 20.243 | 0.0   | -34.889 | 20.049 | 0.0 | -11.737 | 24.825 | 0.478 | -7.834  | 26.061 | 1.066 | 0.086 | 208.727 | 4.216 | 0.086 | 228.388 | 3.538 | 0.086 | 1.211   | 0.002 | 0.086 | 0.556   | 0.0   |
| 85  | 12952 | 12953 | NS | 1 | -34.385 | 21.069 | 0.0   | -33.492 | 21.814 | 0.0 | 0.669   | 22.194 | 0.027 | 1.704   | 23.589 | 0.218 | 0.086 | 203.331 | 1.159 | 0.086 | 165.557 | 1.362 | 0.086 | 0.139   | 0.0   | 0.086 | 0.127   | 0.0   |
| 86  | 12952 | 12953 | SN | 1 | -34.498 | 20.243 | 0.0   | -34.889 | 20.049 | 0.0 | -11.737 | 24.825 | 0.494 | -7.834  | 26.061 | 1.065 | 0.086 | 208.727 | 4.52  | 0.086 | 228.388 | 3.924 | 0.086 | 1.211   | 0.002 | 0.086 | 0.556   | 0.0   |
| 87  | 12952 | 12953 | SN | 1 | -34.498 | 20.243 | 0.0   | -34.889 | 20.049 | 0.0 | -11.737 | 24.825 | 0.478 | -7.834  | 26.061 | 1.066 | 0.086 | 208.727 | 4.216 | 0.086 | 228.388 | 3.538 | 0.086 | 1.211   | 0.002 | 0.086 | 0.556   | 0.0   |
| 88  | 12953 | 12954 | NS | 2 | -34.966 | 22.554 | 0.007 | -34.999 | 21.202 | 0.0 | -20.627 | 23.032 | 0.119 | -24.39  | 23.553 | 1.022 | 0.086 | 232.453 | 2.198 | 0.086 | 234.233 | 2.153 | 0.086 | 8.621   | 0.002 | 0.086 | 20.411  | 0.006 |
| 89  | 12953 | 12954 | SN | 1 | -34.781 | 21.033 | 0.0   | -34.588 | 21.358 | 0.0 | -34.823 | 23.176 | 0.224 | -23.516 | 23.526 | 0.48  | 0.086 | 222.742 | 4.973 | 0.086 | 213.058 | 4.337 | 0.086 | 224.875 | 0.088 | 0.086 | 17.279  | 0.02  |
| 90  | 12953 | 12954 | SN | 1 | -34.781 | 21.033 | 0.0   | -34.588 | 21.358 | 0.0 | -34.823 | 23.176 | 0.224 | -23.516 | 23.526 | 0.48  | 0.086 | 222.742 | 4.973 | 0.086 | 213.058 | 4.337 | 0.086 | 224.875 | 0.088 | 0.086 | 17.279  | 0.02  |
| 91  | 12953 | 12954 | NS | 1 | -34.966 | 22.554 | 0.007 | -34.982 | 21.202 | 0.0 | -20.627 | 23.032 | 0.119 | -24.385 | 23.553 | 1.022 | 0.086 | 232.453 | 2.198 | 0.086 | 233.304 | 2.153 | 0.086 | 8.621   | 0.002 | 0.086 | 20.393  | 0.006 |
| 92  | 12954 | 12955 | SN | 1 | -34.916 | 21.814 | 0.0   | -34.974 | 21.355 | 0.0 | -7.405  | 22.961 | 0.248 | -5.368  | 23.338 | 0.21  | 0.086 | 237.707 | 7.939 | 0.086 | 232.896 | 7.035 | 0.086 | 0.475   | 0.0   | 0.086 | 0.324   | 0.0   |
| 93  | 12954 | 12955 | NS | 1 | -34.718 | 19.118 | 0.0   | -34.267 | 19.146 | 0.0 | -8.861  | 22.758 | 0.154 | -16.461 | 23.939 | 1.614 | 0.086 | 219.521 | 2.841 | 0.086 | 197.887 | 2.781 | 0.086 | 0.636   | 0.0   | 0.086 | 3.343   | 0.008 |
| 94  | 12954 | 12955 | SN | 1 | -34.639 | 21.814 | 0.0   | -34.818 | 21.355 | 0.0 | -7.411  | 22.961 | 0.249 | -5.372  | 23.338 | 0.21  | 0.086 | 215.575 | 7.92  | 0.086 | 224.678 | 7.028 | 0.086 | 0.475   | 0.0   | 0.086 | 0.324   | 0.0   |
| 95  | 12954 | 12955 | NS | 2 | -34.718 | 19.118 | 0.0   | -34.338 | 19.146 | 0.0 | -8.861  | 22.758 | 0.154 | -16.463 | 23.939 | 1.615 | 0.086 | 219.521 | 2.841 | 0.086 | 201.2   | 2.78  | 0.086 | 0.636   | 0.0   | 0.086 | 3.344   | 0.008 |
| 96  | 12955 | 12956 | SN | 1 | -34.656 | 20.285 | 0.0   | -34.795 | 21.098 | 0.0 | -26.489 | 23.224 | 0.254 | -16.975 | 23.699 | 0.291 | 0.086 | 216.436 | 3.784 | 0.086 | 223.441 | 3.365 | 0.086 | 33.062  | 0.067 | 0.086 | 3.755   | 0.013 |
| 97  | 12955 | 12956 | NS | 1 | -34.069 | 21.596 | 0.0   | -34.496 | 20.509 | 0.0 | 0.6     | 22.559 | 0.027 | -15.156 | 23.645 | 1.041 | 0.086 | 189.089 | 2.098 | 0.086 | 208.591 | 2.361 | 0.086 | 0.14    | 0.0   | 0.086 | 2.492   | 0.002 |
| 98  | 12955 | 12956 | NS | 1 | -34.069 | 21.596 | 0.0   | -34.496 | 20.509 | 0.0 | 0.6     | 22.559 | 0.027 | -15.156 | 23.645 | 1.041 | 0.086 | 189.089 | 2.098 | 0.086 | 208.591 | 2.361 | 0.086 | 0.14    | 0.0   | 0.086 | 2.492   | 0.002 |
| 99  | 12955 | 12956 | SN | 2 | -34.656 | 20.285 | 0.0   | -34.795 | 21.098 | 0.0 | -26.489 | 23.224 | 0.254 | -16.975 | 23.699 | 0.291 | 0.086 | 216.436 | 3.784 | 0.086 | 223.441 | 3.365 | 0.086 | 33.062  | 0.067 | 0.086 | 3.755   | 0.013 |
| 100 | 12956 | 12957 | NS | 1 | -34.148 | 20.951 | 0.0   | -32.971 | 19.683 | 0.0 | 7.446   | 22.82  | 0.076 | -30.94  | 20.746 | 0.0   | 0.086 | 192.558 | 1.659 | 0.086 | 146.834 | 1.497 | 0.086 | 0.096   | 0.0   | 0.086 | 120.377 | 0.454 |
| 101 | 12956 | 12957 | NS | 1 | -34.77  | 20.713 | 0.0   | -34.834 | 19.731 | 0.0 | 7.69    | 22.93  | 0.105 | 6.428   | 20.93  | 0.0   | 0.086 | 222.226 | 2.047 | 0.086 | 231.182 | 1.738 | 0.086 | 0.095   | 0.0   | 0.086 | 0.099   | 0.0   |
| 102 | 12956 | 12957 | NS | 1 | -34.148 | 20.951 | 0.0   | -32.971 | 19.683 | 0.0 | 7.446   | 22.82  | 0.076 | -30.94  | 20.746 | 0.0   | 0.086 | 192.558 | 1.663 | 0.086 | 146.834 | 1.492 | 0.086 | 0.096   | 0.0   | 0.086 | 120.377 | 0.453 |
| 103 | 12957 | 12958 | NS | 1 | -26.576 | 17.737 | 0.0   | -21.294 | 14.65  | 0.0 | 3.295   | 21.935 | 0.0   | 3.756   | 23.914 | 2.027 | 0.086 | 33.733  | 1.227 | 0.088 | 10.039  | 1.967 | 0.086 | 0.114   | 0.0   | 0.086 | 0.111   | 0.0   |
| 104 | 12957 | 12958 | SN | 1 | -34.994 | 21.586 | 0.0   | -34.94  | 21.646 | 0.0 | -21.353 | 23.376 | 0.438 | -19.973 | 23.413 | 0.53  | 0.086 | 242.059 | 2.098 | 0.086 | 231.08  | 1.795 | 0.086 | 10.178  | 0.017 | 0.086 | 7.424   | 0.031 |
| 105 | 12957 | 12958 | SN | 1 | -34.586 | 21.586 | 0.0   | -34.784 | 21.646 | 0.0 | -21.387 | 23.376 | 0.44  | -19.973 | 23.413 | 0.531 | 0.086 | 212.97  | 2.089 | 0.086 | 222.907 | 1.796 | 0.086 | 10.255  | 0.017 | 0.086 | 7.424   | 0.031 |
| 106 | 12958 | 12959 | NS | 1 | -33.723 | 20.495 | 0.0   | -34.264 | 20.269 | 0.0 | 2.731   | 22.75  | 0.111 | 3.172   | 23.959 | 1.461 | 0.086 | 174.613 | 1.497 | 0.086 | 197.775 | 1.414 | 0.086 | 0.118   | 0.0   | 0.086 | 0.115   | 0.0   |

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

■ Normal      ■ Deviations  
■ Alarming      ■ High Errors

|     |       |       |    |   |         |        |     |         |        |     |         |        |       |         |        |       |       |         |       |       |         |       |       |       |       |       |        |       |
|-----|-------|-------|----|---|---------|--------|-----|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|-------|-------|-------|--------|-------|
| 107 | 12958 | 12959 | SN | 1 | -34.677 | 20.442 | 0.0 | -34.871 | 20.3   | 0.0 | 2.412   | 23.615 | 0.618 | 3.182   | 23.915 | 1.963 | 0.086 | 217.494 | 1.381 | 0.086 | 227.39  | 1.437 | 0.086 | 0.121 | 0.0   | 0.086 | 0.115  | 0.0   |
| 108 | 12958 | 12959 | SN | 1 | -34.999 | 20.442 | 0.0 | -34.925 | 20.3   | 0.0 | 2.412   | 23.615 | 0.618 | 3.182   | 23.915 | 1.963 | 0.086 | 234.226 | 1.378 | 0.086 | 230.257 | 1.439 | 0.086 | 0.121 | 0.0   | 0.086 | 0.115  | 0.0   |
| 109 | 12958 | 12959 | NS | 1 | -33.723 | 20.442 | 0.0 | -34.264 | 20.258 | 0.0 | 4.499   | 22.16  | 0.011 | 3.257   | 23.973 | 0.479 | 0.086 | 174.613 | 1.509 | 0.086 | 197.775 | 1.413 | 0.086 | 0.107 | 0.0   | 0.086 | 0.114  | 0.0   |
| 110 | 12958 | 12959 | NS | 2 | -33.723 | 20.495 | 0.0 | -34.264 | 20.269 | 0.0 | 2.731   | 22.75  | 0.111 | 3.172   | 23.959 | 1.461 | 0.086 | 174.613 | 1.497 | 0.086 | 197.775 | 1.414 | 0.086 | 0.118 | 0.0   | 0.086 | 0.115  | 0.0   |
| 111 | 12959 | 12960 | NS | 1 | -34.793 | 20.866 | 0.0 | -34.578 | 21.211 | 0.0 | -15.208 | 23.233 | 0.445 | -24.224 | 23.877 | 1.083 | 0.086 | 223.343 | 1.684 | 0.086 | 212.589 | 1.758 | 0.086 | 2.522 | 0.006 | 0.086 | 19.65  | 0.01  |
| 112 | 12959 | 12960 | NS | 2 | -34.793 | 20.866 | 0.0 | -34.578 | 21.211 | 0.0 | -15.208 | 23.233 | 0.445 | -24.224 | 23.877 | 1.083 | 0.086 | 223.343 | 1.684 | 0.086 | 212.589 | 1.758 | 0.086 | 2.522 | 0.006 | 0.086 | 19.65  | 0.01  |
| 113 | 12959 | 12960 | SN | 1 | -34.731 | 17.851 | 0.0 | -34.648 | 19.1   | 0.0 | 1.946   | 22.8   | 0.072 | 4.45    | 23.111 | 0.15  | 0.086 | 220.257 | 0.816 | 0.086 | 216.04  | 0.694 | 0.086 | 0.125 | 0.0   | 0.086 | 0.107  | 0.0   |
| 114 | 12959 | 12960 | SN | 1 | -34.99  | 17.859 | 0.0 | -31.133 | 19.1   | 0.0 | 8.534   | 22.689 | 0.066 | 9.084   | 23.111 | 0.178 | 0.086 | 233.755 | 0.941 | 0.086 | 96.193  | 0.783 | 0.086 | 0.096 | 0.0   | 0.086 | 0.098  | 0.0   |
| 115 | 12959 | 12960 | SN | 1 | -34.99  | 13.581 | 0.0 | -31.133 | 19.09  | 0.0 | 9.468   | 21.901 | 0.0   | 9.72    | 23.109 | 0.122 | 0.088 | 233.755 | 0.989 | 0.086 | 96.193  | 0.947 | 0.086 | 0.096 | 0.0   | 0.086 | 0.096  | 0.0   |
| 116 | 12959 | 12960 | NS | 1 | -34.793 | 19.322 | 0.0 | -34.578 | 21.211 | 0.0 | -15.208 | 21.443 | 0.0   | -24.224 | 20.181 | 0.0   | 0.086 | 223.343 | 1.748 | 0.086 | 212.589 | 1.767 | 0.086 | 2.522 | 0.008 | 0.086 | 19.652 | 0.016 |

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