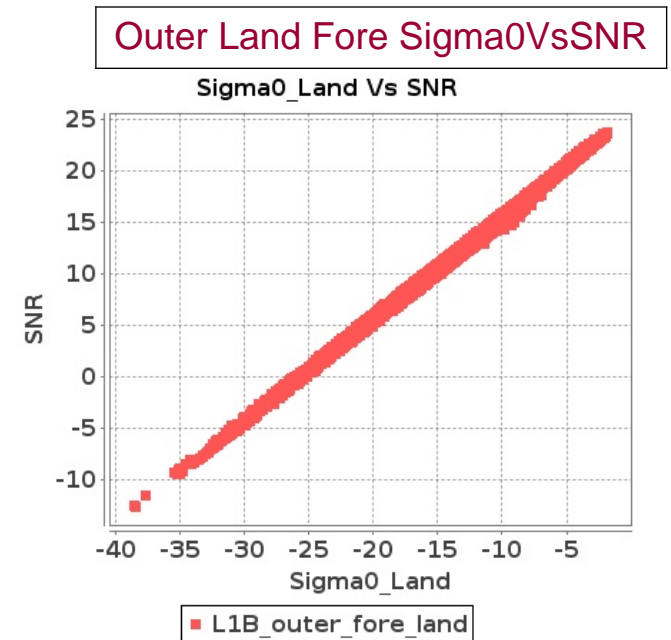
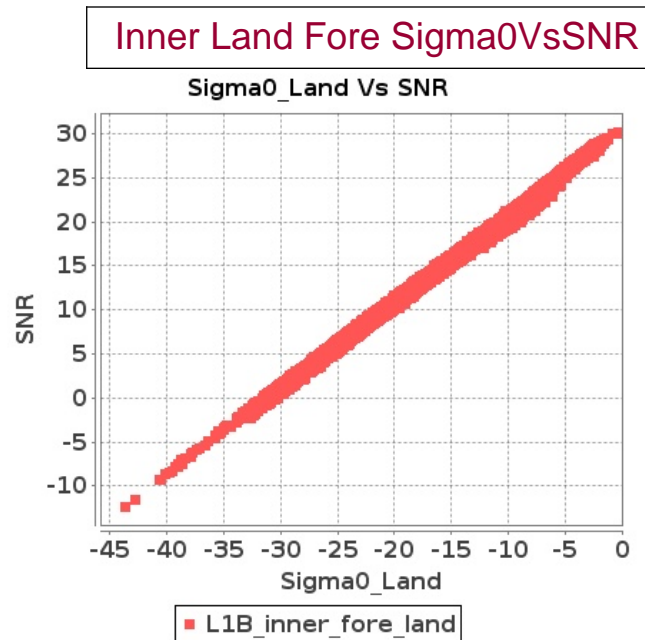
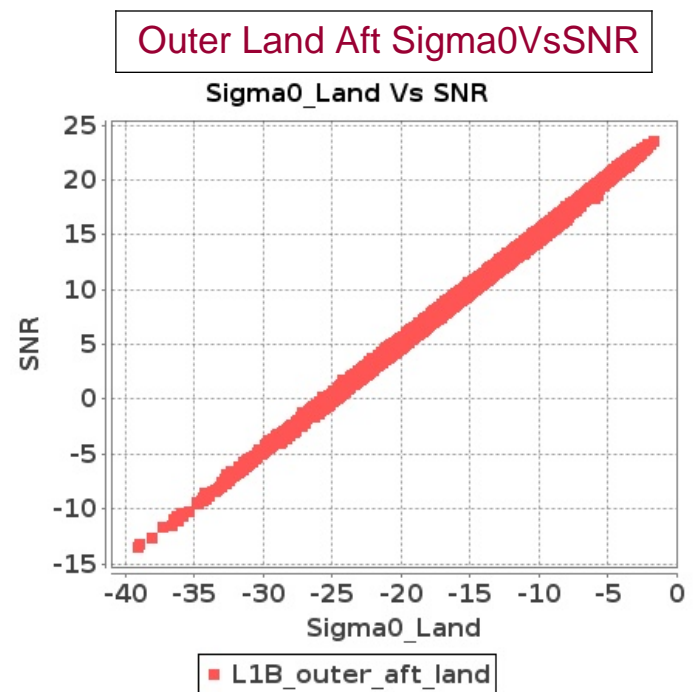
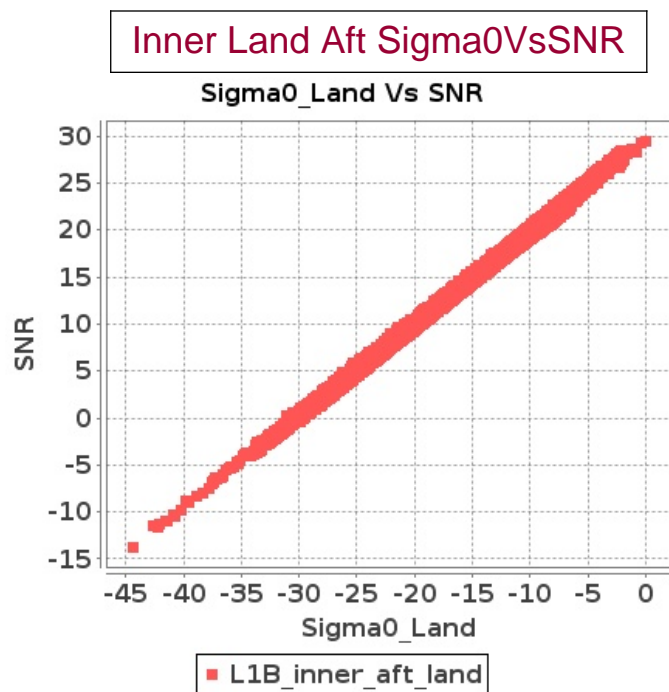
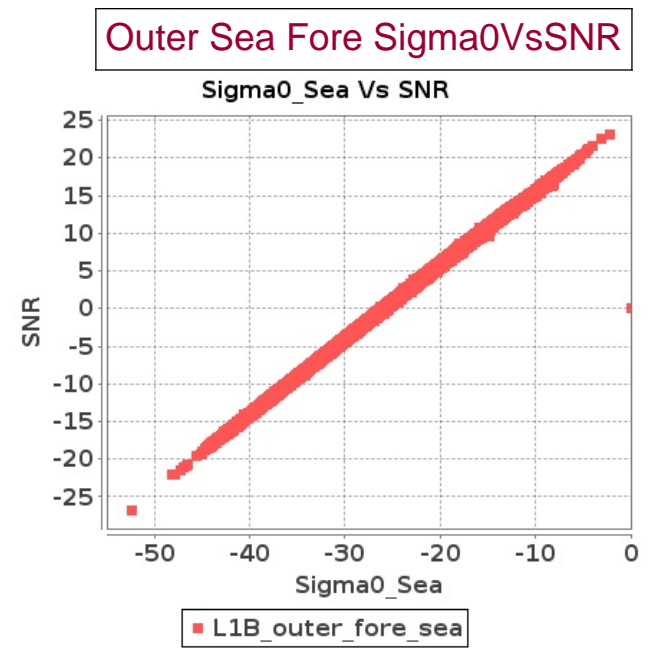
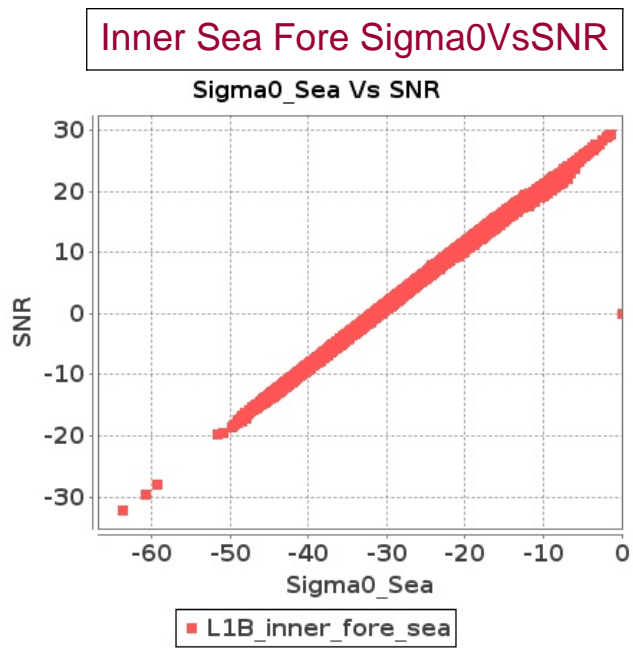
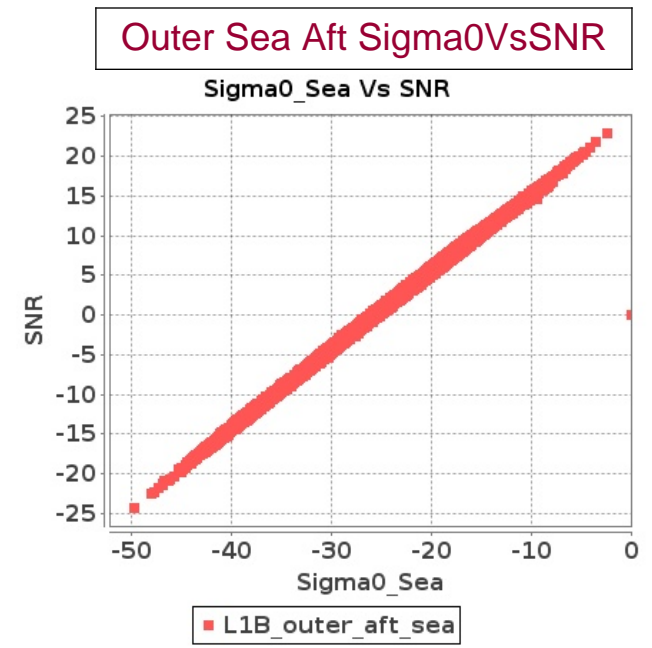
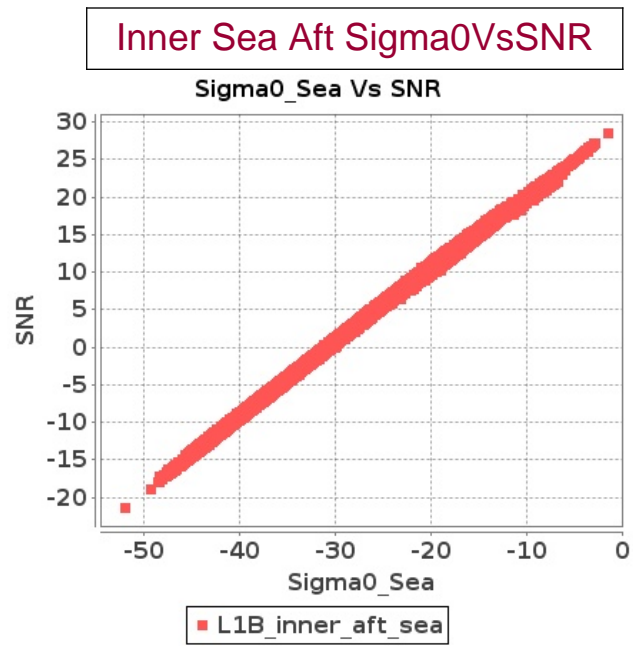
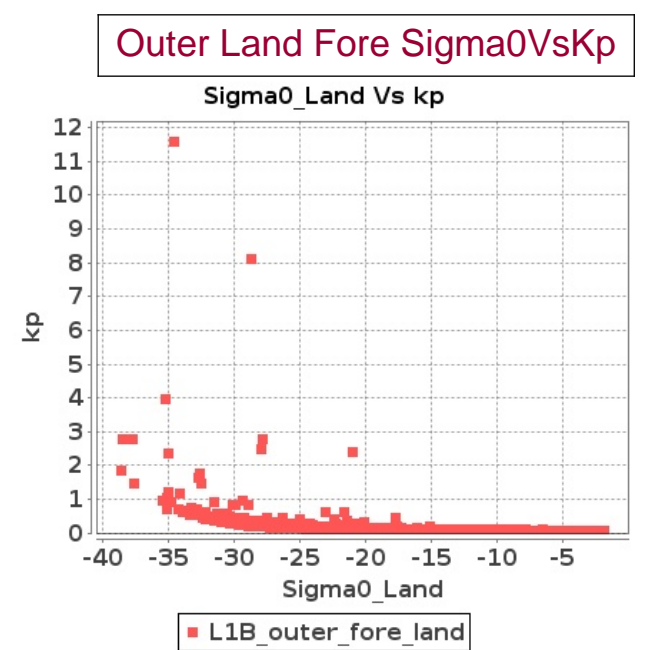
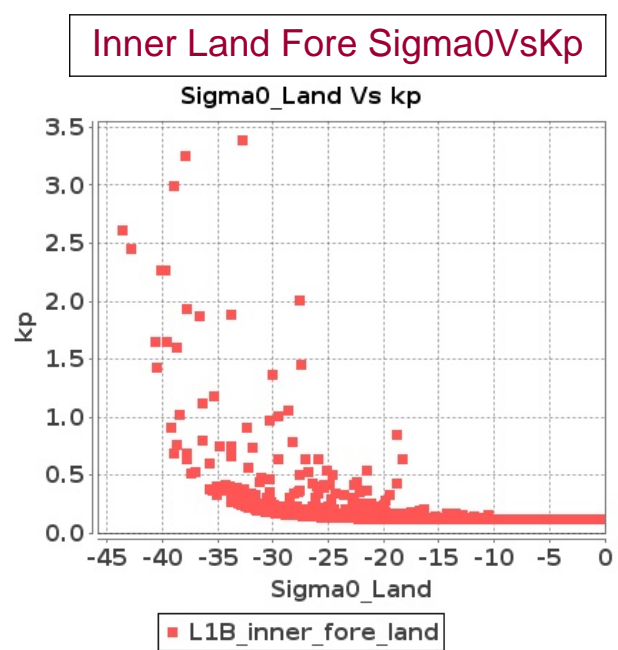
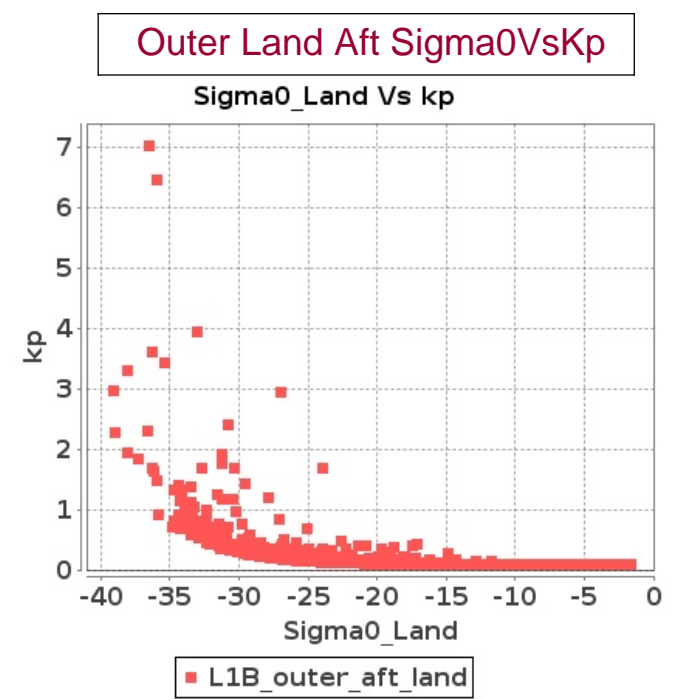
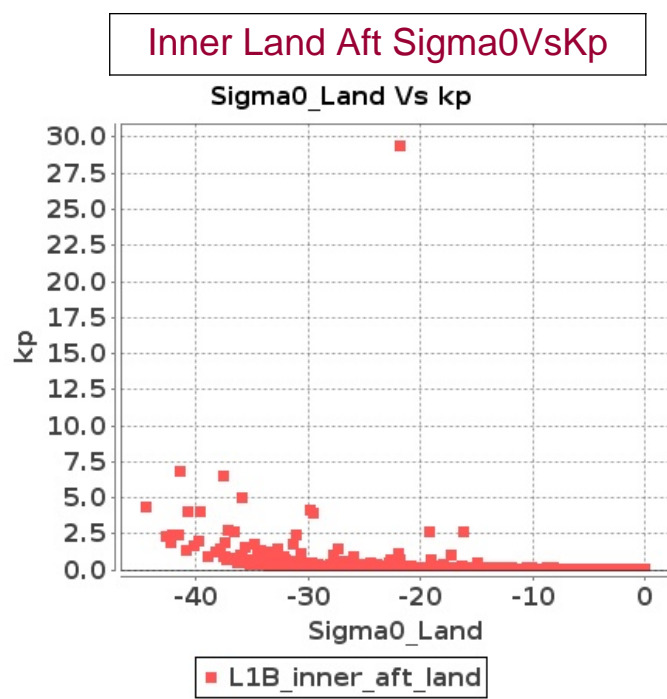
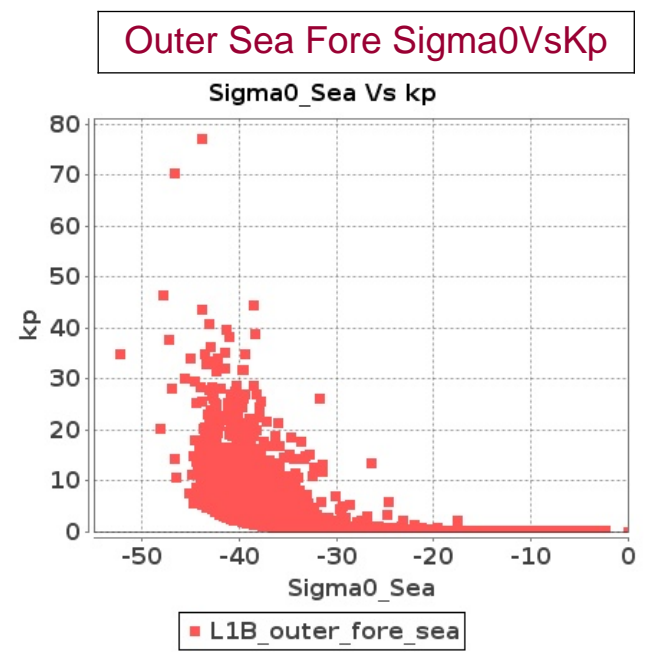
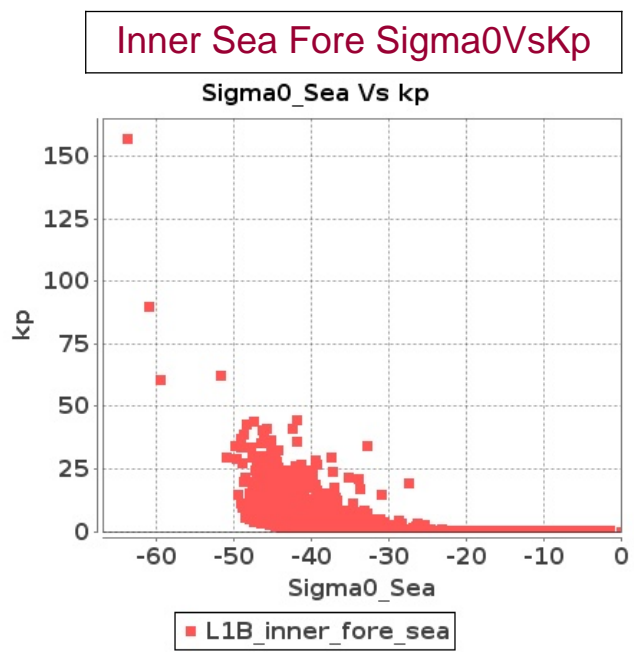
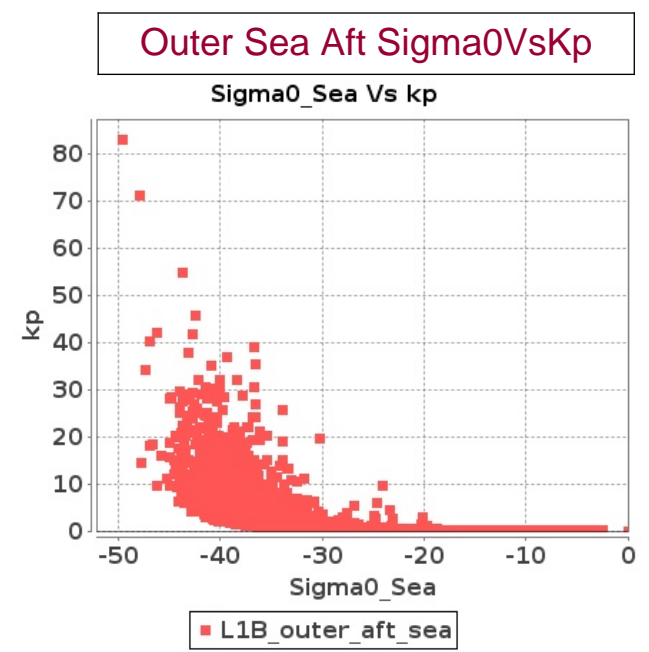
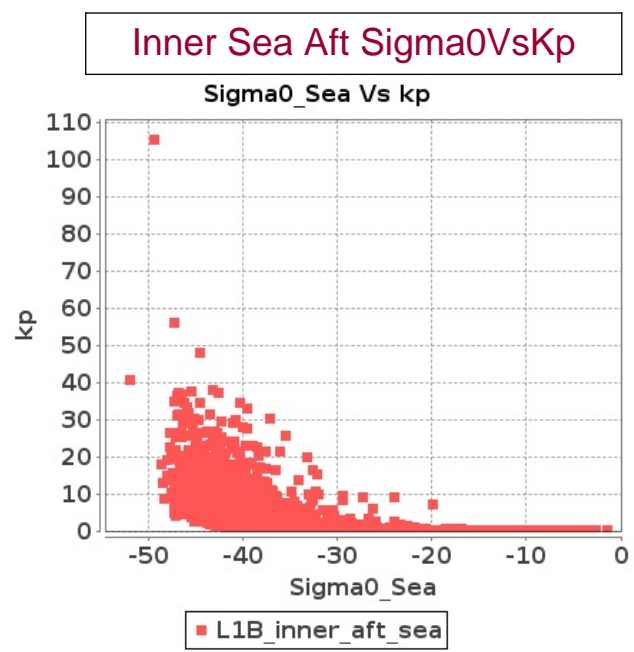


SCATSAT-1 Scatterometer Level-1B Data Quality Cycle wise Report

Report between 11-MAR-2019 To 12-MAR-2019





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

Report between 11-MAR-2019 To 12-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 | 12989 | 12990 | SN | 1 | 48.675 | 49.336 | 0.0 | 0.0 | 282.07 | 3.113 | 1016.88 | 1077.56 | 25.46 | -91.741 | -89.685 | 0.0 |
| 2 | 12989 | 12990 | NS | 1 | 48.833 | 49.412 | 0.0 | 0.003 | 266.534 | 2.732 | 1053.32 | 1081.192 | 0.0 | -91.755 | -90.064 | 0.0 |
| 3 | 12989 | 12990 | NS | 1 | 48.772 | 49.434 | 0.0 | 0.003 | 266.534 | 2.73 | 1053.104 | 1081.352 | 0.0 | -91.725 | -90.064 | 0.0 |
| 4 | 12989 | 12990 | SN | 1 | 48.675 | 49.336 | 0.0 | 0.0 | 282.07 | 2.826 | 1016.88 | 1077.56 | 26.144 | -91.741 | -89.685 | 0.0 |
| 5 | 12989 | 12990 | SN | 1 | 48.664 | 49.367 | 0.0 | 0.0 | 282.07 | 3.125 | 1016.88 | 1077.56 | 25.433 | -91.572 | -89.685 | 0.0 |
| 6 | 12990 | 12991 | SN | 1 | 48.677 | 49.327 | 0.0 | 0.003 | 6.309 | 2.325 | 1016.84 | 1077.52 | 25.978 | -91.518 | -89.713 | 0.0 |
| 7 | 12990 | 12991 | NS | 1 | 48.834 | 49.397 | 0.0 | 0.003 | 14.438 | 2.474 | 1053.856 | 1081.416 | 0.0 | -91.685 | -90.03 | 0.0 |
| 8 | 12990 | 12991 | NS | 2 | 48.834 | 49.397 | 0.0 | 0.003 | 14.433 | 2.473 | 1053.856 | 1081.432 | 0.0 | -91.686 | -90.029 | 0.0 |
| 9 | 12990 | 12991 | SN | 1 | 48.677 | 49.327 | 0.0 | 0.003 | 6.309 | 2.328 | 1016.84 | 1077.52 | 26.007 | -91.518 | -89.713 | 0.0 |
| 10 | 12990 | 12991 | SN | 1 | 48.677 | 49.327 | 0.0 | 0.003 | 18.448 | 2.556 | 1016.84 | 1077.52 | 25.643 | -91.518 | -89.713 | 0.0 |
| 11 | 12991 | 12992 | SN | 1 | 48.682 | 49.392 | 0.0 | 0.0 | 82.571 | 2.436 | 1017.4 | 1077.504 | 26.98 | -93.77 | -89.73 | 0.0 |
| 12 | 12991 | 12992 | SN | 1 | 48.652 | 49.392 | 0.0 | 0.0 | 82.571 | 2.433 | 1017.4 | 1077.504 | 26.971 | -93.77 | -89.73 | 0.0 |
| 13 | 12991 | 12992 | NS | 1 | 48.836 | 49.397 | 0.0 | 0.0 | 206.84 | 2.599 | 1053.584 | 1081.488 | 0.0 | -91.71 | -90.027 | 0.0 |
| 14 | 12991 | 12992 | SN | 1 | 48.682 | 49.392 | 0.0 | 0.0 | 82.571 | 2.622 | 1017.4 | 1077.504 | 26.777 | -93.77 | -89.73 | 0.0 |
| 15 | 12992 | 12993 | NS | 1 | 48.789 | 49.398 | 0.0 | 0.0 | 264.499 | 2.696 | 1054.472 | 1081.344 | 0.0 | -91.74 | -90.056 | 0.0 |
| 16 | 12992 | 12993 | SN | 1 | 48.681 | 49.394 | 0.0 | 0.0 | 71.397 | 2.684 | 1017.464 | 1077.36 | 26.58 | -94.192 | -89.715 | 0.0 |
| 17 | 12992 | 12993 | SN | 1 | 48.681 | 49.394 | 0.0 | 0.0 | 71.397 | 2.384 | 1017.464 | 1077.36 | 27.142 | -94.192 | -89.715 | 0.0 |
| 18 | 12992 | 12993 | NS | 2 | 48.79 | 49.397 | 0.0 | 0.0 | 211.059 | 2.696 | 1054.48 | 1081.352 | 0.0 | -91.74 | -90.056 | 0.0 |
| 19 | 12992 | 12993 | SN | 1 | 48.681 | 49.394 | 0.0 | 0.0 | 71.397 | 2.684 | 1017.464 | 1077.36 | 26.58 | -94.192 | -89.715 | 0.0 |
| 20 | 12993 | 12994 | SN | 1 | 48.681 | 49.325 | 0.0 | 0.003 | 27.906 | 2.054 | 1017.528 | 1076.688 | 28.142 | -91.426 | -89.729 | 0.0 |
| 21 | 12993 | 12994 | NS | 1 | 48.836 | 49.415 | 0.0 | 0.0 | 264.306 | 3.123 | 1054.488 | 1081.936 | 0.0 | -92.984 | -90.075 | 0.0 |
| 22 | 12993 | 12994 | NS | 2 | 48.836 | 49.415 | 0.0 | 0.0 | 245.478 | 3.124 | 1054.504 | 1081.952 | 0.0 | -92.984 | -90.075 | 0.0 |
| 23 | 12993 | 12994 | SN | 1 | 48.678 | 49.325 | 0.0 | 0.003 | 27.906 | 2.311 | 1017.528 | 1076.688 | 27.717 | -91.426 | -89.729 | 0.0 |
| 24 | 12994 | 12995 | SN | 1 | 48.68 | 49.324 | 0.0 | 0.0 | 209.399 | 3.133 | 1016.8 | 1077.12 | 26.58 | -91.926 | -89.731 | 0.0 |
| 25 | 12994 | 12995 | NS | 1 | 48.799 | 49.465 | 0.0 | 0.003 | 206.653 | 2.6 | 1054.504 | 1080.992 | 0.0 | -91.723 | -90.076 | 0.0 |
| 26 | 12994 | 12995 | SN | 2 | 48.68 | 49.324 | 0.0 | 0.0 | 209.399 | 3.133 | 1016.8 | 1077.12 | 26.58 | -91.926 | -89.731 | 0.0 |
| 27 | 12994 | 12995 | NS | 1 | 48.798 | 49.466 | 0.0 | 0.003 | 210.237 | 2.598 | 1054.488 | 1081.792 | 0.0 | -91.742 | -90.076 | 0.0 |
| 28 | 12995 | 12996 | SN | 1 | 48.655 | 49.376 | 0.0 | 0.003 | 6.05 | 1.564 | 1017.296 | 1076.712 | 26.994 | -91.632 | -89.713 | 0.0 |
| 29 | 12995 | 12996 | SN | 1 | 48.667 | 49.376 | 0.0 | 0.003 | 6.05 | 2.592 | 1017.296 | 1076.712 | 25.275 | -91.632 | -89.713 | 0.0 |
| 30 | 12995 | 12996 | SN | 1 | 48.667 | 49.376 | 0.0 | 0.003 | 6.05 | 2.591 | 1017.296 | 1076.712 | 25.275 | -91.632 | -89.713 | 0.0 |
| 31 | 12995 | 12996 | NS | 1 | 48.836 | 49.403 | 0.0 | 0.0 | 105.243 | 2.728 | 1054.392 | 1080.84 | 0.0 | -91.739 | -90.083 | 0.0 |
| 32 | 12995 | 12996 | NS | 1 | 48.813 | 49.398 | 0.0 | 0.0 | 207.039 | 1.464 | 1054.376 | 1080.936 | 0.0 | -92.815 | -90.083 | 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 | 12996 | 12997 | SN | 1 | 48.672 | 49.33 | 0.0 | 0.0 | 92.828 | 2.779 | 1016.968 | 1077.128 | 23.777 | -91.554 | -89.72 | 0.0 |
| 34 | 12996 | 12997 | SN | 1 | 48.705 | 49.33 | 0.0 | 0.0 | 92.828 | 1.726 | 1017.248 | 1077.128 | 25.888 | -91.907 | -89.72 | 0.0 |
| 35 | 12996 | 12997 | SN | 1 | 48.705 | 49.33 | 0.0 | 0.0 | 92.828 | 2.782 | 1017.248 | 1077.128 | 23.801 | -91.907 | -89.72 | 0.0 |
| 36 | 12996 | 12997 | NS | 1 | 48.808 | 49.449 | 0.0 | 0.003 | 263.937 | 2.58 | 1053.384 | 1080.848 | 0.0 | -91.717 | -90.078 | 0.0 |
| 37 | 12996 | 12997 | NS | 2 | 48.806 | 49.45 | 0.0 | 0.003 | 43.24 | 2.581 | 1053.24 | 1080.808 | 0.0 | -91.717 | -90.078 | 0.0 |
| 38 | 12997 | 12998 | NS | 1 | 48.775 | 49.806 | 0.0 | 0.003 | 224.775 | 2.678 | 1053.984 | 1081.432 | 0.0 | -94.66 | -90.072 | 0.0 |
| 39 | 12997 | 12998 | SN | 1 | 48.675 | 49.353 | 0.0 | 0.003 | 6.226 | 2.504 | 1016.968 | 1076.84 | 24.986 | -91.942 | -89.716 | 0.0 |
| 40 | 12997 | 12998 | SN | 1 | 48.675 | 49.353 | 0.0 | 0.003 | 6.226 | 2.504 | 1016.968 | 1076.84 | 24.986 | -91.942 | -89.716 | 0.0 |
| 41 | 12998 | 12999 | NS | 2 | 48.838 | 49.426 | 0.0 | 0.003 | 206.862 | 2.659 | 1053.832 | 1080.592 | 0.0 | -91.803 | -90.057 | 0.0 |
| 42 | 12998 | 12999 | NS | 1 | 48.838 | 49.426 | 0.0 | 0.003 | 206.862 | 2.659 | 1053.832 | 1080.592 | 0.0 | -91.803 | -90.057 | 0.0 |
| 43 | 12998 | 12999 | SN | 1 | 48.523 | 49.324 | 0.0 | 0.0 | 172.3 | 3.018 | 1017.808 | 1076.808 | 25.252 | -93.74 | -89.734 | 0.0 |
| 44 | 12999 | 13000 | NS | 1 | 48.839 | 49.431 | 0.0 | 0.0 | 263.865 | 2.429 | 1053.528 | 1080.52 | 0.0 | -91.716 | -90.075 | 0.0 |
| 45 | 12999 | 13000 | NS | 1 | 48.839 | 49.431 | 0.0 | 0.0 | 263.865 | 2.429 | 1053.528 | 1081.552 | 0.0 | -91.809 | -90.075 | 0.0 |
| 46 | 12999 | 13000 | SN | 1 | 48.678 | 49.546 | 0.0 | 0.0 | 216.453 | 2.809 | 1017.944 | 1076.8 | 26.038 | -94.361 | -89.707 | 0.0 |
| 47 | 13000 | 13001 | SN | 1 | 48.697 | 49.328 | 0.0 | 0.0 | 215.642 | 2.778 | 1017.968 | 1076.776 | 25.763 | -91.45 | -89.713 | 0.0 |
| 48 | 13000 | 13001 | NS | 1 | 48.777 | 49.418 | 0.0 | 0.003 | 43.185 | 2.54 | 1054.184 | 1080.456 | 0.0 | -91.779 | -90.083 | 0.0 |
| 49 | 13000 | 13001 | SN | 2 | 48.697 | 49.328 | 0.0 | 0.0 | 215.642 | 2.778 | 1017.968 | 1076.776 | 25.763 | -91.45 | -89.713 | 0.0 |
| 50 | 13000 | 13001 | NS | 1 | 48.777 | 49.418 | 0.0 | 0.003 | 43.185 | 2.543 | 1054.184 | 1081.128 | 0.0 | -91.779 | -90.083 | 0.0 |
| 51 | 13000 | 13001 | NS | 1 | 48.777 | 49.418 | 0.0 | 0.003 | 43.185 | 2.177 | 1054.184 | 1081.336 | 0.0 | -91.762 | -90.083 | 0.0 |
| 52 | 13001 | 13002 | SN | 2 | 48.662 | 49.345 | 0.0 | 0.003 | 6.238 | 2.555 | 1017.0 | 1076.608 | 25.548 | -91.629 | -89.734 | 0.0 |
| 53 | 13001 | 13002 | NS | 1 | 48.721 | 49.562 | 0.0 | 0.0 | 266.523 | 2.038 | 1052.008 | 1080.472 | 0.0 | -93.869 | -90.082 | 0.0 |
| 54 | 13001 | 13002 | SN | 1 | 48.662 | 49.345 | 0.0 | 0.003 | 6.238 | 2.555 | 1017.0 | 1076.608 | 25.548 | -91.629 | -89.734 | 0.0 |
| 55 | 13001 | 13002 | NS | 2 | 48.721 | 49.562 | 0.0 | 0.0 | 269.435 | 2.871 | 1052.008 | 1080.472 | 0.0 | -93.869 | -90.082 | 0.0 |
| 56 | 13001 | 13002 | NS | 1 | 48.721 | 49.562 | 0.0 | 0.0 | 269.435 | 2.871 | 1052.008 | 1080.472 | 0.0 | -93.869 | -90.082 | 0.0 |
| 57 | 13002 | 13003 | SN | 1 | 48.606 | 49.444 | 0.0 | 0.0 | 256.216 | 6.878 | 1018.072 | 1076.76 | 28.895 | -93.754 | -89.737 | 0.0 |
| 58 | 13002 | 13003 | SN | 1 | 48.606 | 49.444 | 0.0 | 0.0 | 256.216 | 5.93 | 1018.072 | 1076.76 | 31.807 | -93.754 | -89.737 | 0.0 |
| 59 | 13002 | 13003 | NS | 2 | 48.836 | 49.398 | 0.0 | 0.0 | 210.033 | 2.738 | 1054.152 | 1080.488 | 0.0 | -91.588 | -90.082 | 0.0 |
| 60 | 13002 | 13003 | NS | 1 | 48.836 | 49.398 | 0.0 | 0.0 | 210.033 | 2.738 | 1054.152 | 1080.488 | 0.0 | -91.588 | -90.082 | 0.0 |
| 61 | 13002 | 13003 | SN | 1 | 48.606 | 49.444 | 0.0 | 0.0 | 256.216 | 5.823 | 1018.072 | 1076.76 | 26.147 | -93.754 | -89.737 | 0.0 |
| 62 | 13002 | 13003 | NS | 1 | 48.836 | 49.398 | 0.0 | 0.0 | 210.033 | 1.817 | 1054.152 | 1080.48 | 0.0 | -91.588 | -90.082 | 0.0 |
| 63 | 13003 | 13004 | SN | 2 | 48.725 | 49.372 | 0.0 | 0.0 | 56.17 | 2.684 | 1018.176 | 1076.32 | 25.595 | -91.622 | -89.715 | 0.0 |
| 64 | 13003 | 13004 | NS | 1 | 48.805 | 49.413 | 0.0 | 0.0 | 239.026 | 2.896 | 1053.168 | 1080.296 | 0.0 | -92.384 | -90.067 | 0.0 |
| 65 | 13003 | 13004 | NS | 1 | 48.806 | 49.415 | 0.0 | 0.0 | 239.02 | 2.883 | 1053.192 | 1080.328 | 0.0 | -92.384 | -90.068 | 0.0 |
| 66 | 13003 | 13004 | SN | 1 | 48.725 | 49.372 | 0.0 | 0.0 | 56.17 | 2.684 | 1018.176 | 1076.32 | 25.595 | -91.622 | -89.715 | 0.0 |
| 67 | 13003 | 13004 | SN | 1 | 48.725 | 49.372 | 0.0 | 0.003 | 6.0 | 1.945 | 1018.176 | 1076.32 | 26.712 | -91.622 | -89.715 | 0.0 |
| 68 | 13004 | 13005 | SN | 1 | 48.681 | 49.322 | 0.0 | 0.003 | 6.298 | 2.418 | 1017.472 | 1076.44 | 25.197 | -91.506 | -89.704 | 0.0 |
| 69 | 13004 | 13005 | SN | 1 | 46.0 | 49.322 | 0.0 | 0.003 | 137.66 | 2.605 | 900.0 | 1076.44 | 24.774 | -120.0 | -89.704 | 0.0 |

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

■ Normal ■ Deviations
■ Alarming ■ High Errors





| | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|--------|---------|---------|-----|
| 70 | 13004 | 13005 | NS | 1 | 48.835 | 49.4 | 0.0 | 0.003 | 266.584 | 2.645 | 1053.488 | 1080.256 | 0.0 | -91.643 | -90.073 | 0.0 |
| 71 | 13004 | 13005 | SN | 1 | 48.681 | 49.322 | 0.0 | 0.003 | 6.298 | 2.605 | 1017.472 | 1076.44 | 24.774 | -91.506 | -89.704 | 0.0 |
| 72 | 13004 | 13005 | NS | 1 | 48.835 | 49.421 | 0.0 | 0.003 | 266.584 | 2.743 | 1053.488 | 1080.256 | 0.0 | -91.717 | -90.073 | 0.0 |
| 73 | 13005 | 13006 | NS | 1 | 48.828 | 49.4 | 0.0 | 0.0 | 190.218 | 2.904 | 1053.536 | 1080.48 | 0.0 | -91.722 | -90.022 | 0.0 |
| 74 | 13005 | 13006 | SN | 1 | 48.661 | 49.434 | 0.0 | 0.0 | 215.35 | 2.681 | 1017.152 | 1076.232 | 26.071 | -93.916 | -89.733 | 0.0 |
| 75 | 13005 | 13006 | SN | 1 | 48.661 | 49.434 | 0.0 | 0.0 | 215.35 | 2.681 | 1017.152 | 1076.232 | 26.071 | -93.916 | -89.733 | 0.0 |
| 76 | 13005 | 13006 | SN | 2 | 48.661 | 49.434 | 0.0 | 0.0 | 215.35 | 2.681 | 1017.152 | 1076.232 | 26.071 | -93.916 | -89.733 | 0.0 |
| 77 | 13005 | 13006 | NS | 1 | 48.838 | 49.401 | 0.0 | 0.0 | 190.218 | 2.902 | 1053.6 | 1080.464 | 0.0 | -91.735 | -90.022 | 0.0 |
| 78 | 13006 | 13007 | NS | 1 | 48.809 | 49.402 | 0.0 | 0.0 | 47.341 | 2.663 | 1053.704 | 1080.408 | 0.0 | -91.672 | -90.07 | 0.0 |
| 79 | 13006 | 13007 | NS | 1 | 48.817 | 49.402 | 0.0 | 0.0 | 47.341 | 2.665 | 1053.712 | 1080.408 | 0.0 | -91.681 | -90.07 | 0.0 |
| 80 | 13006 | 13007 | SN | 1 | 48.674 | 49.358 | 0.0 | 0.0 | 179.436 | 2.823 | 1017.392 | 1076.496 | 27.041 | -91.592 | -89.733 | 0.0 |
| 81 | 13006 | 13007 | SN | 2 | 48.674 | 49.358 | 0.0 | 0.0 | 179.436 | 2.898 | 1017.392 | 1076.496 | 26.885 | -91.592 | -89.733 | 0.0 |
| 82 | 13006 | 13007 | SN | 1 | 48.674 | 49.358 | 0.0 | 0.0 | 179.436 | 2.898 | 1017.392 | 1076.496 | 26.885 | -91.592 | -89.733 | 0.0 |
| 83 | 13007 | 13008 | NS | 1 | 48.84 | 49.434 | 0.0 | 0.003 | 266.645 | 2.589 | 1054.864 | 1080.52 | 0.0 | -91.748 | -90.073 | 0.0 |
| 84 | 13007 | 13008 | SN | 1 | 48.669 | 49.331 | 0.0 | 0.003 | 6.353 | 2.532 | 1017.184 | 1076.28 | 25.932 | -91.519 | -89.732 | 0.0 |
| 85 | 13007 | 13008 | SN | 1 | 48.669 | 49.331 | 0.0 | 0.003 | 6.353 | 2.535 | 1017.184 | 1076.28 | 25.961 | -91.519 | -89.732 | 0.0 |
| 86 | 13007 | 13008 | NS | 2 | 48.84 | 49.434 | 0.0 | 0.003 | 206.399 | 2.59 | 1054.848 | 1080.512 | 0.0 | -91.749 | -90.072 | 0.0 |
| 87 | 13007 | 13008 | SN | 1 | 48.669 | 49.331 | 0.0 | 0.003 | 6.353 | 2.171 | 1017.184 | 1076.28 | 26.641 | -91.519 | -89.732 | 0.0 |
| 88 | 13008 | 13009 | NS | 2 | 48.781 | 49.402 | 0.0 | 0.0 | 206.851 | 2.729 | 1054.864 | 1080.432 | 0.0 | -92.019 | -90.079 | 0.0 |
| 89 | 13008 | 13009 | NS | 1 | 48.781 | 49.402 | 0.0 | 0.0 | 206.851 | 2.729 | 1054.864 | 1080.432 | 0.0 | -92.019 | -90.079 | 0.0 |
| 90 | 13008 | 13009 | SN | 1 | 48.676 | 49.32 | 0.0 | 0.0 | 133.06 | 2.823 | 1017.36 | 1076.0 | 25.865 | -94.049 | -89.724 | 0.0 |
| 91 | 13008 | 13009 | SN | 1 | 48.674 | 49.319 | 0.0 | 0.0 | 133.06 | 2.825 | 1017.848 | 1076.0 | 25.891 | -94.049 | -89.724 | 0.0 |
| 92 | 13008 | 13009 | SN | 1 | 48.674 | 49.319 | 0.0 | 0.0 | 133.06 | 2.445 | 1017.848 | 1076.0 | 26.529 | -94.049 | -89.724 | 0.0 |
| 93 | 13009 | 13010 | SN | 1 | 48.665 | 49.384 | 0.0 | 0.003 | 4.98 | 2.311 | 1017.112 | 1075.24 | 26.173 | -91.563 | -89.732 | 0.0 |
| 94 | 13009 | 13010 | NS | 1 | 48.796 | 49.402 | 0.0 | 0.0 | 247.381 | 3.175 | 1054.4 | 1079.864 | 0.0 | -91.733 | -90.079 | 0.0 |
| 95 | 13009 | 13010 | SN | 2 | 48.665 | 49.384 | 0.0 | 0.003 | 4.98 | 2.311 | 1017.112 | 1075.24 | 26.173 | -91.563 | -89.732 | 0.0 |
| 96 | 13009 | 13010 | SN | 1 | 48.665 | 49.384 | 0.0 | 0.003 | 4.98 | 1.681 | 1017.112 | 1075.24 | 27.247 | -91.563 | -89.732 | 0.0 |
| 97 | 13009 | 13010 | NS | 1 | 48.818 | 49.403 | 0.0 | 0.0 | 247.381 | 3.171 | 1054.384 | 1079.864 | 0.0 | -91.733 | -90.079 | 0.0 |
| 98 | 13010 | 13011 | SN | 1 | 48.667 | 49.32 | 0.0 | 0.0 | 215.256 | 1.768 | 1017.616 | 1075.952 | 23.654 | -91.834 | -89.729 | 0.0 |
| 99 | 13010 | 13011 | NS | 1 | 48.796 | 49.402 | 0.0 | 0.003 | 266.976 | 2.663 | 1054.6 | 1080.712 | 0.0 | -91.76 | -90.092 | 0.0 |
| 100 | 13010 | 13011 | NS | 1 | 48.796 | 49.428 | 0.0 | 0.003 | 266.976 | 2.665 | 1054.6 | 1080.552 | 0.0 | -91.801 | -90.092 | 0.0 |
| 101 | 13010 | 13011 | SN | 1 | 48.667 | 49.32 | 0.0 | 0.0 | 215.256 | 2.873 | 1017.616 | 1075.952 | 21.901 | -91.834 | -89.729 | 0.0 |
| 102 | 13010 | 13011 | SN | 1 | 48.667 | 49.32 | 0.0 | 0.0 | 215.256 | 2.873 | 1017.616 | 1075.952 | 21.901 | -91.834 | -89.729 | 0.0 |
| 103 | 13011 | 13012 | NS | 1 | 48.795 | 49.402 | 0.0 | 0.003 | 210.502 | 2.631 | 1053.88 | 1080.864 | 0.0 | -91.759 | -90.076 | 0.0 |
| 104 | 13011 | 13012 | NS | 1 | 48.793 | 49.402 | 0.0 | 0.003 | 266.176 | 2.621 | 1053.704 | 1080.28 | 0.0 | -91.79 | -90.076 | 0.0 |
| 105 | 13011 | 13012 | SN | 1 | 48.665 | 49.452 | 0.0 | 0.0 | 189.148 | 2.948 | 1017.32 | 1076.0 | 22.961 | -93.099 | -89.704 | 0.0 |
| 106 | 13011 | 13012 | SN | 2 | 48.665 | 49.452 | 0.0 | 0.0 | 189.148 | 2.948 | 1017.32 | 1076.0 | 22.961 | -93.099 | -89.704 | 0.0 |

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

■ Normal ■ Deviations
■ Alarming ■ High Errors

| | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|--------|---------|---------|-----|
| 107 | 13012 | 13013 | SN | 1 | 48.673 | 49.319 | 0.0 | 0.003 | 216.105 | 2.267 | 1017.704 | 1075.272 | 24.737 | -91.562 | -89.739 | 0.0 |
| 108 | 13012 | 13013 | NS | 2 | 48.802 | 49.45 | 0.0 | 0.0 | 219.955 | 2.695 | 1054.024 | 1080.048 | 0.0 | -92.706 | -90.067 | 0.0 |
| 109 | 13012 | 13013 | NS | 1 | 48.802 | 49.45 | 0.0 | 0.0 | 219.955 | 2.696 | 1054.032 | 1080.056 | 0.0 | -92.706 | -90.068 | 0.0 |
| 110 | 13013 | 13014 | NS | 1 | 48.843 | 49.403 | 0.0 | 0.003 | 266.97 | 2.631 | 1053.824 | 1079.496 | 0.0 | -91.72 | -90.07 | 0.0 |
| 111 | 13013 | 13014 | SN | 1 | 48.672 | 49.363 | 0.0 | 0.003 | 214.44 | 2.643 | 1018.32 | 1075.696 | 24.037 | -91.586 | -89.716 | 0.0 |
| 112 | 13014 | 13015 | NS | 1 | 48.842 | 49.422 | 0.0 | 0.0 | 264.031 | 2.715 | 1054.68 | 1080.528 | 0.0 | -91.804 | -90.087 | 0.0 |
| 113 | 13014 | 13015 | SN | 1 | 48.717 | 49.332 | 0.0 | 0.0 | 214.925 | 2.758 | 1018.312 | 1075.664 | 25.338 | -93.776 | -89.726 | 0.0 |
| 114 | 13014 | 13015 | SN | 1 | 48.727 | 49.319 | 0.0 | 0.0 | 214.925 | 2.761 | 1018.312 | 1075.664 | 25.365 | -93.776 | -89.726 | 0.0 |
| 115 | 13014 | 13015 | NS | 1 | 48.842 | 49.422 | 0.0 | 0.0 | 264.031 | 2.542 | 1054.68 | 1080.528 | 0.0 | -91.804 | -90.087 | 0.0 |
| 116 | 13015 | 13016 | NS | 1 | 48.841 | 49.548 | 0.0 | 0.0 | 266.556 | 2.861 | 1054.072 | 1080.008 | 0.0 | -94.389 | -90.086 | 0.0 |
| 117 | 13015 | 13016 | NS | 1 | 48.841 | 49.548 | 0.0 | 0.0 | 266.556 | 2.454 | 1054.072 | 1079.808 | 0.0 | -94.389 | -90.086 | 0.0 |
| 118 | 13015 | 13016 | SN | 1 | 48.524 | 49.342 | 0.0 | 0.003 | 215.466 | 2.604 | 1017.44 | 1075.656 | 24.496 | -93.83 | -89.733 | 0.0 |
| 119 | 13015 | 13016 | NS | 2 | 48.841 | 49.548 | 0.0 | 0.0 | 266.556 | 2.86 | 1054.072 | 1080.008 | 0.0 | -94.389 | -90.086 | 0.0 |
| 120 | 13016 | 13017 | SN | 1 | 48.671 | 49.363 | 0.0 | 0.0 | 250.646 | 2.909 | 1018.256 | 1075.688 | 24.293 | -91.597 | -89.738 | 0.0 |
| 121 | 13016 | 13017 | NS | 1 | 48.598 | 49.459 | 0.0 | 0.0 | 264.042 | 2.759 | 1053.008 | 1079.376 | 0.0 | -92.17 | -90.085 | 0.0 |
| 122 | 13016 | 13017 | NS | 1 | 48.598 | 49.459 | 0.0 | 0.0 | 264.042 | 1.688 | 1053.008 | 1079.376 | 0.0 | -92.17 | -90.085 | 0.0 |
| 123 | 13016 | 13017 | NS | 1 | 48.598 | 49.402 | 0.0 | 0.0 | 264.042 | 2.756 | 1053.008 | 1079.376 | 0.0 | -92.17 | -90.085 | 0.0 |
| 124 | 13016 | 13017 | SN | 2 | 48.671 | 49.363 | 0.0 | 0.0 | 250.646 | 2.91 | 1018.256 | 1075.688 | 24.298 | -91.597 | -89.738 | 0.0 |
| 125 | 13017 | 13018 | NS | 1 | 48.691 | 49.481 | 0.0 | 0.0 | 266.976 | 1.644 | 1050.576 | 1079.928 | 0.0 | -93.882 | -90.086 | 0.0 |
| 126 | 13017 | 13018 | SN | 1 | 48.667 | 49.319 | 0.0 | 0.0 | 280.019 | 2.883 | 1018.56 | 1075.64 | 25.346 | -91.584 | -89.74 | 0.0 |
| 127 | 13017 | 13018 | NS | 1 | 48.691 | 49.481 | 0.0 | 0.0 | 266.976 | 2.438 | 1050.576 | 1079.96 | 0.0 | -93.882 | -90.086 | 0.0 |
| 128 | 13017 | 13018 | NS | 1 | 48.691 | 49.481 | 0.0 | 0.0 | 266.976 | 2.436 | 1050.576 | 1079.328 | 0.0 | -93.882 | -90.086 | 0.0 |
| 129 | 13017 | 13018 | SN | 1 | 48.667 | 49.319 | 0.0 | 0.003 | 280.019 | 1.824 | 1018.56 | 1075.64 | 26.633 | -91.584 | -89.74 | 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 | 12989 | 12990 | SN | 1 | -34.928 | 27.939 | 3.394 | -34.985 | 28.399 | 4.457 | -31.473 | 33.422 | 17.125 | -5.174 | 29.944 | 23.323 | 0.116 | 301.445 | 4.388 | 0.116 | 305.456 | 3.481 | 0.116 | 136.139 | 0.009 | 0.116 | 0.415 | 0.0 |
| 2 | 12989 | 12990 | NS | 1 | -34.83 | 27.99 | 0.886 | -34.892 | 28.606 | 0.166 | 8.776 | 33.007 | 17.159 | 7.909 | 35.635 | 32.615 | 0.116 | 294.769 | 6.76 | 0.116 | 299.047 | 6.342 | 0.116 | 0.126 | 0.0 | 0.116 | 0.128 | 0.0 |
| 3 | 12989 | 12990 | NS | 1 | -34.988 | 27.99 | 0.884 | -34.611 | 28.606 | 0.166 | 8.773 | 33.007 | 17.118 | 7.909 | 35.635 | 32.603 | 0.116 | 305.68 | 6.75 | 0.116 | 280.225 | 6.332 | 0.116 | 0.126 | 0.0 | 0.116 | 0.128 | 0.0 |
| 4 | 12989 | 12990 | SN | 1 | -34.928 | 27.939 | 1.715 | -34.985 | 28.399 | 4.648 | -31.473 | 33.422 | 17.124 | -5.174 | 29.944 | 23.325 | 0.116 | 301.445 | 4.653 | 0.116 | 305.456 | 3.689 | 0.116 | 136.139 | 0.009 | 0.116 | 0.415 | 0.0 |
| 5 | 12989 | 12990 | SN | 1 | -34.506 | 27.942 | 3.393 | -32.929 | 28.396 | 4.449 | -34.326 | 33.417 | 17.165 | -5.174 | 29.944 | 23.321 | 0.116 | 273.529 | 4.385 | 0.116 | 190.308 | 3.478 | 0.116 | 262.429 | 0.009 | 0.116 | 0.415 | 0.0 |
| 6 | 12990 | 12991 | SN | 1 | -34.968 | 28.06 | 1.678 | -34.818 | 27.938 | 2.316 | 4.849 | 32.119 | 11.252 | 5.911 | 30.14 | 9.565 | 0.116 | 304.287 | 5.244 | 0.116 | 293.886 | 4.135 | 0.116 | 0.142 | 0.0 | 0.116 | 0.136 | 0.0 |
| 7 | 12990 | 12991 | NS | 1 | -34.583 | 28.956 | 0.093 | -34.727 | 28.143 | 0.035 | -5.917 | 33.63 | 8.55 | -4.115 | 31.48 | 19.878 | 0.116 | 278.432 | 3.759 | 0.116 | 287.831 | 3.634 | 0.116 | 0.473 | 0.0 | 0.116 | 0.347 | 0.0 |
| 8 | 12990 | 12991 | NS | 2 | -34.233 | 28.956 | 0.093 | -34.727 | 28.143 | 0.035 | -5.917 | 33.63 | 8.55 | -4.115 | 31.48 | 19.876 | 0.116 | 256.874 | 3.759 | 0.116 | 287.831 | 3.635 | 0.116 | 0.473 | 0.0 | 0.116 | 0.347 | 0.0 |
| 9 | 12990 | 12991 | SN | 1 | -34.968 | 28.06 | 1.68 | -34.818 | 27.938 | 2.316 | 4.85 | 32.111 | 11.285 | 5.913 | 30.14 | 9.575 | 0.116 | 304.287 | 5.24 | 0.116 | 293.886 | 4.14 | 0.116 | 0.142 | 0.0 | 0.116 | 0.136 | 0.0 |
| 10 | 12990 | 12991 | SN | 1 | -34.968 | 28.06 | 1.718 | -34.818 | 27.938 | 2.28 | 4.849 | 32.119 | 11.256 | 5.911 | 30.14 | 9.568 | 0.116 | 304.287 | 5.14 | 0.116 | 293.886 | 4.052 | 0.116 | 0.142 | 0.0 | 0.116 | 0.136 | 0.0 |
| 11 | 12991 | 12992 | SN | 1 | -34.898 | 28.044 | 0.604 | -34.83 | 27.722 | 0.67 | 6.105 | 28.991 | 19.966 | 7.789 | 29.41 | 15.974 | 0.116 | 299.42 | 2.097 | 0.116 | 294.804 | 1.675 | 0.116 | 0.135 | 0.0 | 0.116 | 0.128 | 0.0 |
| 12 | 12991 | 12992 | SN | 1 | -34.898 | 28.044 | 0.604 | -34.286 | 27.722 | 0.669 | 6.105 | 28.991 | 19.966 | 7.789 | 29.41 | 15.981 | 0.116 | 299.42 | 2.096 | 0.116 | 260.027 | 1.678 | 0.116 | 0.135 | 0.0 | 0.116 | 0.128 | 0.0 |
| 13 | 12991 | 12992 | NS | 1 | -34.195 | 26.859 | 0.18 | -34.832 | 27.862 | 0.222 | -15.547 | 30.337 | 11.299 | -6.044 | 30.472 | 20.328 | 0.116 | 254.615 | 8.632 | 0.116 | 294.838 | 9.164 | 0.116 | 3.566 | 0.002 | 0.116 | 0.484 | 0.0 |
| 14 | 12991 | 12992 | SN | 1 | -34.898 | 28.044 | 0.599 | -34.83 | 27.722 | 0.665 | 6.105 | 28.991 | 19.966 | 7.789 | 29.41 | 15.969 | 0.116 | 299.42 | 2.076 | 0.116 | 294.804 | 1.662 | 0.116 | 0.135 | 0.0 | 0.116 | 0.128 | 0.0 |
| 15 | 12992 | 12993 | NS | 1 | -34.832 | 26.661 | 0.284 | -33.082 | 27.319 | 0.332 | -8.186 | 30.176 | 5.834 | -7.564 | 31.015 | 11.909 | 0.116 | 294.847 | 2.175 | 0.116 | 197.112 | 1.958 | 0.116 | 0.731 | 0.0 | 0.116 | 0.646 | 0.0 |
| 16 | 12992 | 12993 | SN | 1 | -34.795 | 25.066 | 0.463 | -34.934 | 26.312 | 0.544 | 6.643 | 27.566 | 14.294 | 5.596 | 28.801 | 9.429 | 0.116 | 292.35 | 3.709 | 0.116 | 301.857 | 4.194 | 0.116 | 0.132 | 0.0 | 0.116 | 0.137 | 0.0 |
| 17 | 12992 | 12993 | SN | 1 | -34.795 | 25.066 | 0.475 | -34.934 | 26.312 | 0.555 | 6.643 | 27.566 | 14.311 | 5.596 | 28.522 | 9.493 | 0.116 | 292.35 | 3.804 | 0.116 | 301.857 | 4.277 | 0.116 | 0.132 | 0.0 | 0.116 | 0.137 | 0.0 |
| 18 | 12992 | 12993 | NS | 2 | -34.832 | 26.661 | 0.284 | -33.172 | 27.319 | 0.332 | -8.186 | 30.176 | 5.836 | -7.564 | 31.015 | 11.908 | 0.116 | 294.847 | 2.175 | 0.116 | 201.253 | 1.958 | 0.116 | 0.731 | 0.0 | 0.116 | 0.646 | 0.0 |
| 19 | 12992 | 12993 | SN | 1 | -34.795 | 25.066 | 0.463 | -34.934 | 26.312 | 0.544 | 6.643 | 27.566 | 14.294 | 5.596 | 28.801 | 9.429 | 0.116 | 292.35 | 3.709 | 0.116 | 301.857 | 4.194 | 0.116 | 0.132 | 0.0 | 0.116 | 0.137 | 0.0 |
| 20 | 12993 | 12994 | SN | 1 | -34.685 | 25.357 | 0.28 | -34.872 | 26.78 | 0.383 | 5.882 | 28.126 | 21.888 | 8.269 | 28.377 | 36.984 | 0.116 | 285.033 | 3.836 | 0.116 | 297.592 | 3.367 | 0.116 | 0.136 | 0.0 | 0.116 | 0.127 | 0.0 |
| 21 | 12993 | 12994 | NS | 1 | -33.344 | 24.765 | 0.043 | -33.222 | 24.067 | 0.044 | -9.118 | 29.505 | 7.297 | -7.312 | 30.396 | 14.553 | 0.116 | 209.347 | 2.033 | 0.116 | 203.554 | 2.081 | 0.116 | 0.883 | 0.0 | 0.116 | 0.615 | 0.0 |
| 22 | 12993 | 12994 | NS | 2 | -33.344 | 24.765 | 0.043 | -33.434 | 24.067 | 0.044 | -9.118 | 29.505 | 7.296 | -7.314 | 30.396 | 14.553 | 0.116 | 209.347 | 2.033 | 0.116 | 213.746 | 2.081 | 0.116 | 0.883 | 0.0 | 0.116 | 0.615 | 0.0 |
| 23 | 12993 | 12994 | SN | 1 | -34.685 | 25.357 | 0.276 | -34.872 | 26.78 | 0.377 | 5.882 | 28.126 | 21.825 | 8.269 | 28.377 | 36.217 | 0.116 | 285.033 | 3.778 | 0.116 | 297.592 | 3.314 | 0.116 | 0.136 | 0.0 | 0.116 | 0.127 | 0.0 |
| 24 | 12994 | 12995 | SN | 1 | -34.81 | 23.448 | 0.06 | -34.968 | 23.963 | 0.072 | 6.08 | 28.748 | 19.904 | 4.267 | 28.705 | 33.266 | 0.116 | 293.402 | 3.865 | 0.116 | 304.29 | 3.299 | 0.116 | 0.135 | 0.0 | 0.116 | 0.146 | 0.0 |
| 25 | 12994 | 12995 | NS | 1 | -34.656 | 23.756 | 0.137 | -34.564 | 25.53 | 0.219 | -8.46 | 29.918 | 9.112 | -7.696 | 30.583 | 16.003 | 0.116 | 283.12 | 3.2 | 0.116 | 277.27 | 2.825 | 0.116 | 0.772 | 0.0 | 0.116 | 0.663 | 0.0 |
| 26 | 12994 | 12995 | SN | 2 | -34.81 | 23.448 | 0.06 | -34.968 | 23.963 | 0.072 | 6.08 | 28.748 | 19.904 | 4.267 | 28.705 | 33.266 | 0.116 | 293.402 | 3.865 | 0.116 | 304.29 | 3.299 | 0.116 | 0.135 | 0.0 | 0.116 | 0.146 | 0.0 |
| 27 | 12994 | 12995 | NS | 1 | -34.526 | 23.756 | 0.137 | -34.366 | 25.53 | 0.219 | -8.46 | 29.918 | 9.116 | -7.691 | 30.583 | 15.981 | 0.116 | 274.817 | 3.2 | 0.116 | 264.937 | 2.821 | 0.116 | 0.772 | 0.0 | 0.116 | 0.663 | 0.0 |
| 28 | 12995 | 12996 | SN | 1 | -34.752 | 25.4 | 0.066 | -34.506 | 25.233 | 0.086 | 5.588 | 32.291 | 12.884 | 6.174 | 31.606 | 14.452 | 0.116 | 289.491 | 4.966 | 0.116 | 273.501 | 4.522 | 0.116 | 0.137 | 0.0 | 0.116 | 0.134 | 0.0 |
| 29 | 12995 | 12996 | SN | 1 | -34.752 | 25.4 | 0.062 | -34.506 | 25.233 | 0.156 | 5.588 | 32.291 | 12.325 | 6.174 | 31.578 | 14.509 | 0.116 | 289.491 | 4.624 | 0.116 | 273.501 | 4.018 | 0.116 | 0.137 | 0.0 | 0.116 | 0.134 | 0.0 |
| 30 | 12995 | 12996 | SN | 1 | -34.752 | 25.4 | 0.062 | -34.506 | 25.233 | 0.155 | 5.588 | 32.291 | 12.325 | 6.174 | 31.578 | 14.509 | 0.116 | 289.491 | 4.624 | 0.116 | 273.501 | 4.018 | 0.116 | 0.137 | 0.0 | 0.116 | 0.134 | 0.0 |
| 31 | 12995 | 12996 | NS | 1 | -34.365 | 28.151 | 0.55 | -31.187 | 28.513 | 0.757 | -7.902 | 28.827 | 15.617 | 8.247 | 29.701 | 23.517 | 0.116 | 264.798 | 1.048 | 0.116 | 127.452 | 0.931 | 0.116 | 0.691 | 0.0 | 0.116 | 0.127 | 0.0 |
| 32 | 12995 | 12996 | NS | 1 | -27.157 | 28.145 | 0.626 | -31.195 | 28.516 | 0.849 | -7.029 | 28.838 | 10.901 | 8.371 | 29.678 | 15.291 | 0.116 | 50.438 | 0.233 | 0.116 | 163.892 | 0.244 | 0.116 | 0.583 | 0.0 | 0.116 | 0.127 | 0.0 |
| 33 | 12996 | 12997 | SN | 1 | -34.823 | 27.133 | 0.251 | -34.834 | 27.503 | 0.612 | -3.836 | 31.411 | 15.478 | -1.845 | 30.735 | 18.53 | 0.116 | 294.244 | 7.612 | 0.116 | 294.986 | 6.29 | 0.116 | 0.332 | 0.0 | 0.116 | 0.248 | 0.0 |

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

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| Normal | Deviations |
| Alarming | High Errors |

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|----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 34 | 12996 | 12997 | SN | 1 | -34.824 | 27.133 | 0.278 | -34.428 | 27.503 | 0.297 | -3.838 | 31.412 | 16.389 | -1.839 | 30.735 | 18.446 | 0.116 | 294.332 | 8.36 | 0.116 | 268.756 | 7.397 | 0.116 | 0.332 | 0.0 | 0.116 | 0.248 | 0.0 |
| 35 | 12996 | 12997 | SN | 1 | -34.824 | 27.133 | 0.251 | -34.428 | 27.503 | 0.613 | -3.838 | 31.412 | 15.496 | -1.839 | 30.735 | 18.541 | 0.116 | 294.332 | 7.627 | 0.116 | 268.756 | 6.305 | 0.116 | 0.332 | 0.0 | 0.116 | 0.248 | 0.0 |
| 36 | 12996 | 12997 | NS | 1 | -34.852 | 27.071 | 1.064 | -34.035 | 27.828 | 1.271 | -7.664 | 29.986 | 15.644 | -8.685 | 29.548 | 27.669 | 0.116 | 296.285 | 1.173 | 0.116 | 245.434 | 1.087 | 0.116 | 0.659 | 0.0 | 0.116 | 0.808 | 0.0 |
| 37 | 12996 | 12997 | NS | 2 | -34.816 | 27.071 | 1.064 | -34.383 | 27.828 | 1.271 | -7.66 | 29.986 | 15.645 | -8.685 | 29.548 | 27.669 | 0.116 | 293.88 | 1.173 | 0.116 | 265.984 | 1.087 | 0.116 | 0.658 | 0.0 | 0.116 | 0.808 | 0.0 |
| 38 | 12997 | 12998 | NS | 1 | -34.922 | 28.898 | 1.016 | -34.9 | 27.156 | 1.095 | -1.154 | 29.146 | 23.774 | 0.718 | 30.653 | 38.069 | 0.116 | 300.982 | 5.248 | 0.116 | 299.577 | 4.522 | 0.116 | 0.228 | 0.0 | 0.116 | 0.186 | 0.0 |
| 39 | 12997 | 12998 | SN | 1 | -34.937 | 27.286 | 0.332 | -34.877 | 28.122 | 1.071 | -10.239 | 29.205 | 18.055 | -3.391 | 30.072 | 18.932 | 0.116 | 302.137 | 5.391 | 0.116 | 297.964 | 4.288 | 0.116 | 1.115 | 0.002 | 0.116 | 0.31 | 0.0 |
| 40 | 12997 | 12998 | SN | 1 | -34.937 | 27.286 | 0.332 | -34.877 | 28.122 | 1.071 | -10.239 | 29.205 | 18.055 | -3.391 | 30.072 | 18.932 | 0.116 | 302.137 | 5.391 | 0.116 | 297.964 | 4.288 | 0.116 | 1.115 | 0.002 | 0.116 | 0.31 | 0.0 |
| 41 | 12998 | 12999 | NS | 2 | -34.699 | 27.766 | 1.178 | -34.555 | 25.691 | 1.041 | 1.362 | 30.86 | 13.667 | 2.253 | 33.126 | 23.707 | 0.116 | 286.005 | 3.188 | 0.116 | 276.677 | 3.081 | 0.116 | 0.176 | 0.0 | 0.116 | 0.164 | 0.0 |
| 42 | 12998 | 12999 | NS | 1 | -34.699 | 27.766 | 1.178 | -34.555 | 25.691 | 1.041 | 1.362 | 30.86 | 13.667 | 2.253 | 33.126 | 23.707 | 0.116 | 286.005 | 3.188 | 0.116 | 276.677 | 3.081 | 0.116 | 0.176 | 0.0 | 0.116 | 0.164 | 0.0 |
| 43 | 12998 | 12999 | SN | 1 | -34.849 | 27.82 | 0.127 | -34.379 | 29.099 | 1.294 | -18.177 | 30.51 | 19.594 | -12.657 | 30.131 | 20.24 | 0.116 | 296.009 | 6.183 | 0.116 | 265.666 | 4.78 | 0.116 | 6.458 | 0.015 | 0.116 | 1.877 | 0.004 |
| 44 | 12999 | 13000 | NS | 1 | -34.272 | 25.108 | 2.023 | -34.595 | 25.317 | 1.368 | 2.613 | 28.494 | 16.945 | 1.365 | 30.473 | 28.128 | 0.116 | 259.19 | 3.189 | 0.116 | 279.221 | 2.578 | 0.116 | 0.16 | 0.0 | 0.116 | 0.176 | 0.0 |
| 45 | 12999 | 13000 | NS | 1 | -34.272 | 25.108 | 2.023 | -34.595 | 25.317 | 1.368 | 2.613 | 28.498 | 16.945 | 1.365 | 30.473 | 28.131 | 0.116 | 259.19 | 3.187 | 0.116 | 279.221 | 2.577 | 0.116 | 0.16 | 0.0 | 0.116 | 0.176 | 0.0 |
| 46 | 12999 | 13000 | SN | 1 | -34.085 | 24.899 | 0.036 | -32.714 | 25.711 | 2.464 | -28.813 | 29.799 | 17.714 | -29.031 | 30.425 | 18.685 | 0.116 | 248.252 | 1.541 | 0.116 | 181.131 | 1.519 | 0.116 | 73.817 | 0.064 | 0.116 | 77.595 | 0.068 |
| 47 | 13000 | 13001 | SN | 1 | -31.422 | 28.915 | 0.344 | -33.792 | 27.975 | 3.881 | -5.12 | 30.458 | 19.088 | -2.65 | 30.917 | 21.778 | 0.116 | 134.536 | 1.484 | 0.116 | 232.166 | 1.368 | 0.116 | 0.411 | 0.0 | 0.116 | 0.277 | 0.0 |
| 48 | 13000 | 13001 | NS | 1 | -34.875 | 25.408 | 1.316 | -34.8 | 27.249 | 0.723 | 12.642 | 28.071 | 30.594 | 13.1 | 29.531 | 44.034 | 0.116 | 297.886 | 3.178 | 0.116 | 292.695 | 3.167 | 0.116 | 0.12 | 0.0 | 0.116 | 0.119 | 0.0 |
| 49 | 13000 | 13001 | SN | 2 | -31.422 | 28.915 | 0.344 | -33.792 | 27.975 | 3.881 | -5.12 | 30.458 | 19.088 | -2.65 | 30.917 | 21.778 | 0.116 | 134.536 | 1.484 | 0.116 | 232.166 | 1.368 | 0.116 | 0.411 | 0.0 | 0.116 | 0.277 | 0.0 |
| 50 | 13000 | 13001 | NS | 1 | -34.905 | 25.408 | 1.318 | -34.8 | 27.249 | 0.724 | 12.642 | 28.071 | 30.583 | 13.1 | 29.531 | 44.034 | 0.116 | 299.866 | 3.176 | 0.116 | 292.695 | 3.169 | 0.116 | 0.12 | 0.0 | 0.116 | 0.119 | 0.0 |
| 51 | 13000 | 13001 | NS | 1 | -34.905 | 25.408 | 1.318 | -34.8 | 27.249 | 0.724 | 12.649 | 28.071 | 20.806 | 13.1 | 29.536 | 41.713 | 0.116 | 299.866 | 3.174 | 0.116 | 292.695 | 3.168 | 0.116 | 0.12 | 0.0 | 0.116 | 0.119 | 0.0 |
| 52 | 13001 | 13002 | SN | 2 | -33.562 | 26.497 | 0.516 | -34.606 | 27.619 | 2.52 | -2.563 | 29.07 | 39.968 | -2.24 | 29.76 | 48.038 | 0.116 | 220.146 | 2.83 | 0.116 | 279.975 | 2.42 | 0.116 | 0.274 | 0.0 | 0.116 | 0.262 | 0.0 |
| 53 | 13001 | 13002 | NS | 1 | -34.868 | 29.016 | 1.252 | -34.521 | 27.212 | 0.152 | -19.212 | 29.013 | 11.221 | -16.65 | 29.74 | 27.32 | 0.116 | 297.326 | 3.227 | 0.116 | 274.505 | 3.343 | 0.116 | 8.172 | 0.05 | 0.116 | 4.57 | 0.008 |
| 54 | 13001 | 13002 | SN | 1 | -33.562 | 26.497 | 0.516 | -34.606 | 27.619 | 2.52 | -2.563 | 29.07 | 39.968 | -2.24 | 29.76 | 48.038 | 0.116 | 220.146 | 2.83 | 0.116 | 279.975 | 2.42 | 0.116 | 0.274 | 0.0 | 0.116 | 0.262 | 0.0 |
| 55 | 13001 | 13002 | NS | 2 | -34.868 | 29.008 | 1.252 | -34.521 | 27.206 | 0.152 | -18.975 | 29.013 | 25.119 | -16.669 | 29.748 | 38.581 | 0.116 | 297.326 | 3.224 | 0.116 | 274.505 | 3.343 | 0.116 | 7.742 | 0.025 | 0.116 | 4.588 | 0.005 |
| 56 | 13001 | 13002 | NS | 1 | -34.868 | 29.008 | 1.252 | -34.521 | 27.206 | 0.152 | -18.975 | 29.013 | 25.119 | -16.669 | 29.748 | 38.581 | 0.116 | 297.326 | 3.224 | 0.116 | 274.505 | 3.343 | 0.116 | 7.742 | 0.025 | 0.116 | 4.588 | 0.005 |
| 57 | 13002 | 13003 | SN | 1 | -34.784 | 26.307 | 0.736 | -34.923 | 26.132 | 2.663 | 7.754 | 29.794 | 36.248 | 8.803 | 29.871 | 41.3 | 0.116 | 291.638 | 3.762 | 0.116 | 301.183 | 2.609 | 0.116 | 0.129 | 0.0 | 0.116 | 0.126 | 0.0 |
| 58 | 13002 | 13003 | SN | 1 | -34.738 | 26.307 | 0.114 | -34.62 | 26.038 | 0.114 | 7.754 | 29.794 | 31.581 | 8.803 | 29.871 | 35.914 | 0.116 | 288.494 | 3.983 | 0.116 | 280.86 | 2.854 | 0.116 | 0.129 | 0.0 | 0.116 | 0.126 | 0.0 |
| 59 | 13002 | 13003 | NS | 2 | -33.867 | 27.396 | 1.258 | -34.796 | 27.845 | 0.219 | 6.796 | 32.241 | 17.385 | 5.642 | 29.878 | 28.657 | 0.116 | 236.115 | 1.32 | 0.116 | 292.451 | 1.462 | 0.116 | 0.132 | 0.0 | 0.116 | 0.137 | 0.0 |
| 60 | 13002 | 13003 | NS | 1 | -33.867 | 27.396 | 1.258 | -34.796 | 27.845 | 0.219 | 6.796 | 32.241 | 17.385 | 5.642 | 29.878 | 28.654 | 0.116 | 236.115 | 1.32 | 0.116 | 292.451 | 1.462 | 0.116 | 0.132 | 0.0 | 0.116 | 0.137 | 0.0 |
| 61 | 13002 | 13003 | SN | 1 | -34.9 | 26.307 | 0.591 | -34.24 | 26.134 | 2.254 | 7.754 | 29.794 | 35.325 | 8.803 | 29.871 | 40.841 | 0.116 | 299.549 | 3.231 | 0.116 | 257.268 | 2.248 | 0.116 | 0.129 | 0.0 | 0.116 | 0.126 | 0.0 |
| 62 | 13002 | 13003 | NS | 1 | -33.867 | 26.745 | 1.154 | -34.796 | 27.874 | 0.219 | 7.865 | 32.241 | 3.875 | 5.642 | 27.118 | 4.058 | 0.116 | 236.115 | 1.348 | 0.116 | 292.451 | 1.464 | 0.116 | 0.128 | 0.0 | 0.116 | 0.137 | 0.0 |
| 63 | 13003 | 13004 | SN | 2 | -34.714 | 27.2 | 3.194 | -34.926 | 27.033 | 4.552 | -4.225 | 29.429 | 14.322 | 0.563 | 30.988 | 24.47 | 0.116 | 286.98 | 1.6 | 0.116 | 301.368 | 1.312 | 0.116 | 0.353 | 0.0 | 0.116 | 0.189 | 0.0 |
| 64 | 13003 | 13004 | NS | 1 | -34.976 | 27.025 | 1.319 | -34.123 | 28.17 | 0.225 | 7.632 | 31.253 | 14.784 | 7.284 | 29.692 | 27.855 | 0.116 | 304.859 | 4.434 | 0.116 | 250.492 | 4.329 | 0.116 | 0.129 | 0.0 | 0.116 | 0.13 | 0.0 |
| 65 | 13003 | 13004 | NS | 1 | -34.976 | 27.025 | 1.319 | -34.123 | 28.17 | 0.225 | 7.632 | 31.253 | 14.646 | 7.284 | 29.692 | 27.697 | 0.116 | 304.859 | 4.434 | 0.116 | 250.492 | 4.327 | 0.116 | 0.129 | 0.0 | 0.116 | 0.13 | 0.0 |
| 66 | 13003 | 13004 | SN | 1 | -34.714 | 27.2 | 3.194 | -34.926 | 27.033 | 4.556 | -4.225 | 29.429 | 14.322 | 0.563 | 30.988 | 24.47 | 0.116 | 286.98 | 1.601 | 0.116 | 301.368 | 1.312 | 0.116 | 0.353 | 0.0 | 0.116 | 0.189 | 0.0 |
| 67 | 13003 | 13004 | SN | 1 | -34.714 | 27.2 | 1.517 | -34.926 | 27.033 | 3.836 | -4.225 | 29.429 | 14.184 | 0.563 | 30.988 | 24.47 | 0.116 | 286.98 | 1.689 | 0.116 | 301.368 | 1.459 | 0.116 | 0.353 | 0.0 | 0.116 | 0.189 | 0.0 |
| 68 | 13004 | 13005 | SN | 1 | -34.926 | 27.73 | 2.796 | -34.869 | 29.0 | 3.825 | 6.903 | 33.88 | 11.527 | 8.724 | 30.481 | 9.098 | 0.116 | 301.386 | 7.524 | 0.116 | 297.387 | 6.087 | 0.116 | 0.132 | 0.0 | 0.116 | 0.126 | 0.0 |
| 69 | 13004 | 13005 | SN | 1 | -34.926 | 27.73 | 2.946 | -34.869 | 29.0 | 3.741 | 6.903 | 33.88 | 11.527 | 8.724 | 30.481 | 9.1 | 0.116 | 301.386 | 7.312 | 0.116 | 297.387 | 5.924 | 0.116 | 0.132 | 0.0 | 0.116 | 0.126 | 0.0 |
| 70 | 13004 | 13005 | NS | 1 | -34.618 | 27.274 | 0.445 | -34.583 | 27.718 | 0.141 | 2.072 | 31.788 | 11.923 | 2.392 | 36.233 | 26.596 | 0.116 | 280.716 | 3.546 | 0.116 | 278.452 | 3.695 | 0.116 | 0.166 | 0.0 | 0.116 | 0.163 | 0.0 |
| 71 | 13004 | 13005 | SN | 1 | -34.926 | 27.73 | 2.946 | -34.869 | 29.0 | 3.741 | 6.903 | 33.88 | 11.529 | 8.724 | 30.481 | 9.1 | 0.116 | 301.386 | 7.312 | 0.116 | 297.387 | 5.924 | 0.116 | 0.132 | 0.0 | 0.116 | 0.126 | 0.0 |
| 72 | 13004 | 13005 | NS | 1 | -34.021 | 27.274 | 0.444 | -34.461 | 27.719 | 0.141 | 2.072 | 31.788 | 11.921 | 2.392 | 36.233 | 26.597 | 0.116 | 244.652 | 3.532 | 0.116 | 270.745 | 3.676 | 0.116 | 0.166 | 0.0 | 0.116 | 0.163 | 0.0 |

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

- Normal
- Deviations
- Alarming
- High Errors

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|-------|-------|
| 73 | 13005 | 13006 | NS | 1 | -34.546 | 26.698 | 0.123 | -34.388 | 27.082 | 0.079 | -1.722 | 29.896 | 10.298 | -7.354 | 29.989 | 19.179 | 0.116 | 276.093 | 3.9 | 0.116 | 266.208 | 4.393 | 0.116 | 0.244 | 0.0 | 0.116 | 0.62 | 0.0 |
| 74 | 13005 | 13006 | SN | 1 | -34.861 | 27.228 | 0.39 | -34.998 | 27.701 | 0.577 | -2.26 | 29.696 | 14.071 | 1.205 | 30.346 | 11.887 | 0.116 | 296.876 | 3.467 | 0.116 | 306.369 | 2.838 | 0.116 | 0.263 | 0.0 | 0.116 | 0.178 | 0.0 |
| 75 | 13005 | 13006 | SN | 1 | -34.861 | 27.228 | 0.39 | -34.998 | 27.701 | 0.577 | -2.26 | 29.696 | 14.071 | 1.205 | 30.346 | 11.887 | 0.116 | 296.876 | 3.467 | 0.116 | 306.369 | 2.838 | 0.116 | 0.263 | 0.0 | 0.116 | 0.178 | 0.0 |
| 76 | 13005 | 13006 | SN | 2 | -34.861 | 27.228 | 0.39 | -34.998 | 27.701 | 0.577 | -2.26 | 29.696 | 14.071 | 1.205 | 30.346 | 11.887 | 0.116 | 296.876 | 3.467 | 0.116 | 306.369 | 2.838 | 0.116 | 0.263 | 0.0 | 0.116 | 0.178 | 0.0 |
| 77 | 13005 | 13006 | NS | 1 | -34.923 | 26.697 | 0.123 | -34.984 | 27.082 | 0.079 | -1.72 | 29.896 | 10.282 | -7.354 | 29.989 | 19.134 | 0.116 | 301.191 | 3.906 | 0.116 | 305.382 | 4.402 | 0.116 | 0.244 | 0.0 | 0.116 | 0.62 | 0.0 |
| 78 | 13006 | 13007 | NS | 1 | -34.699 | 26.748 | 0.249 | -34.841 | 27.376 | 0.289 | -5.094 | 29.891 | 9.526 | -4.857 | 29.771 | 18.031 | 0.116 | 285.985 | 6.017 | 0.116 | 295.512 | 5.849 | 0.116 | 0.409 | 0.0 | 0.116 | 0.392 | 0.0 |
| 79 | 13006 | 13007 | NS | 1 | -34.36 | 26.748 | 0.249 | -34.748 | 27.376 | 0.289 | -5.094 | 29.893 | 9.545 | -4.856 | 29.771 | 18.072 | 0.116 | 264.51 | 6.024 | 0.116 | 289.254 | 5.853 | 0.116 | 0.409 | 0.0 | 0.116 | 0.392 | 0.0 |
| 80 | 13006 | 13007 | SN | 1 | -34.959 | 25.696 | 0.399 | -34.784 | 26.104 | 0.464 | 6.939 | 28.027 | 16.955 | 7.474 | 28.057 | 11.214 | 0.116 | 303.61 | 1.615 | 0.116 | 291.615 | 1.049 | 0.116 | 0.131 | 0.0 | 0.116 | 0.13 | 0.0 |
| 81 | 13006 | 13007 | SN | 2 | -34.959 | 25.696 | 0.396 | -34.784 | 26.104 | 0.461 | 6.939 | 28.027 | 16.944 | 7.474 | 28.057 | 11.207 | 0.116 | 303.61 | 1.605 | 0.116 | 291.615 | 1.042 | 0.116 | 0.131 | 0.0 | 0.116 | 0.13 | 0.0 |
| 82 | 13006 | 13007 | SN | 1 | -34.959 | 25.696 | 0.396 | -34.784 | 26.104 | 0.461 | 6.939 | 28.027 | 16.944 | 7.474 | 28.057 | 11.207 | 0.116 | 303.61 | 1.605 | 0.116 | 291.615 | 1.042 | 0.116 | 0.131 | 0.0 | 0.116 | 0.13 | 0.0 |
| 83 | 13007 | 13008 | NS | 1 | -34.583 | 26.304 | 0.357 | -34.303 | 27.344 | 0.427 | -19.226 | 28.867 | 5.095 | -11.098 | 34.078 | 10.74 | 0.116 | 278.46 | 3.118 | 0.116 | 261.111 | 3.36 | 0.116 | 8.197 | 0.011 | 0.116 | 1.339 | 0.001 |
| 84 | 13007 | 13008 | SN | 1 | -33.859 | 25.254 | 0.391 | -34.154 | 26.154 | 0.454 | 6.73 | 28.813 | 22.603 | 7.571 | 28.501 | 27.363 | 0.116 | 235.712 | 2.648 | 0.116 | 252.299 | 2.238 | 0.116 | 0.132 | 0.0 | 0.116 | 0.129 | 0.0 |
| 85 | 13007 | 13008 | SN | 1 | -34.53 | 25.254 | 0.391 | -34.278 | 26.154 | 0.454 | 6.73 | 28.813 | 22.603 | 7.571 | 28.501 | 27.363 | 0.116 | 275.109 | 2.655 | 0.116 | 259.629 | 2.239 | 0.116 | 0.132 | 0.0 | 0.116 | 0.129 | 0.0 |
| 86 | 13007 | 13008 | NS | 2 | -34.775 | 26.304 | 0.357 | -34.476 | 27.344 | 0.427 | -19.226 | 28.867 | 5.095 | -11.098 | 34.078 | 10.74 | 0.116 | 291.045 | 3.118 | 0.116 | 271.644 | 3.358 | 0.116 | 8.197 | 0.011 | 0.116 | 1.339 | 0.001 |
| 87 | 13007 | 13008 | SN | 1 | -34.53 | 25.254 | 0.403 | -34.278 | 26.154 | 0.465 | 6.73 | 28.813 | 22.786 | 7.571 | 28.501 | 28.293 | 0.116 | 275.109 | 2.736 | 0.116 | 259.629 | 2.293 | 0.116 | 0.132 | 0.0 | 0.116 | 0.129 | 0.0 |
| 88 | 13008 | 13009 | NS | 2 | -34.718 | 23.999 | 0.053 | -34.926 | 24.584 | 0.069 | -6.152 | 29.034 | 8.814 | -5.185 | 29.944 | 16.175 | 0.116 | 287.21 | 3.143 | 0.116 | 301.309 | 3.0 | 0.116 | 0.494 | 0.0 | 0.116 | 0.416 | 0.0 |
| 89 | 13008 | 13009 | NS | 1 | -34.718 | 23.999 | 0.053 | -34.926 | 24.584 | 0.069 | -6.152 | 29.034 | 8.814 | -5.185 | 29.944 | 16.178 | 0.116 | 287.21 | 3.143 | 0.116 | 301.309 | 3.0 | 0.116 | 0.494 | 0.0 | 0.116 | 0.416 | 0.0 |
| 90 | 13008 | 13009 | SN | 1 | -34.895 | 23.767 | 0.08 | -34.988 | 24.624 | 0.105 | 2.992 | 28.272 | 23.039 | -2.248 | 28.85 | 39.781 | 0.116 | 299.226 | 5.229 | 0.116 | 305.643 | 4.341 | 0.116 | 0.156 | 0.0 | 0.116 | 0.262 | 0.0 |
| 91 | 13008 | 13009 | SN | 1 | -34.86 | 23.767 | 0.08 | -34.976 | 24.624 | 0.105 | 2.992 | 28.272 | 23.039 | -2.248 | 28.85 | 39.781 | 0.116 | 296.786 | 5.225 | 0.116 | 304.789 | 4.334 | 0.116 | 0.156 | 0.0 | 0.116 | 0.262 | 0.0 |
| 92 | 13008 | 13009 | SN | 1 | -34.86 | 23.767 | 0.082 | -34.976 | 24.624 | 0.108 | 2.991 | 28.272 | 23.723 | -2.248 | 28.85 | 40.711 | 0.116 | 296.786 | 5.335 | 0.116 | 304.789 | 4.45 | 0.116 | 0.156 | 0.0 | 0.116 | 0.262 | 0.0 |
| 93 | 13009 | 13010 | SN | 1 | -34.827 | 29.443 | 0.016 | -34.762 | 22.276 | 0.007 | 5.347 | 28.348 | 14.024 | 0.856 | 29.89 | 17.002 | 0.116 | 294.539 | 4.193 | 0.116 | 290.224 | 2.815 | 0.116 | 0.139 | 0.0 | 0.116 | 0.184 | 0.0 |
| 94 | 13009 | 13010 | NS | 1 | -33.447 | 27.271 | 0.762 | -34.953 | 27.924 | 1.016 | -7.108 | 30.309 | 14.808 | -20.041 | 31.579 | 21.171 | 0.116 | 214.424 | 2.01 | 0.116 | 303.227 | 2.003 | 0.116 | 0.591 | 0.0 | 0.116 | 9.87 | 0.009 |
| 95 | 13009 | 13010 | SN | 2 | -34.827 | 29.443 | 0.016 | -34.762 | 22.276 | 0.007 | 5.347 | 28.348 | 14.024 | 0.856 | 29.89 | 17.002 | 0.116 | 294.539 | 4.193 | 0.116 | 290.224 | 2.815 | 0.116 | 0.139 | 0.0 | 0.116 | 0.184 | 0.0 |
| 96 | 13009 | 13010 | SN | 1 | -34.827 | 29.443 | 0.016 | -34.762 | 22.276 | 0.008 | 5.347 | 28.348 | 14.934 | 0.856 | 29.89 | 17.074 | 0.116 | 294.539 | 4.318 | 0.116 | 290.224 | 2.963 | 0.116 | 0.139 | 0.0 | 0.116 | 0.184 | 0.0 |
| 97 | 13009 | 13010 | NS | 1 | -33.647 | 27.271 | 0.761 | -34.954 | 27.924 | 1.041 | -7.107 | 30.309 | 14.841 | -20.009 | 31.579 | 21.165 | 0.116 | 224.489 | 2.008 | 0.116 | 303.258 | 2.001 | 0.116 | 0.591 | 0.0 | 0.116 | 9.799 | 0.009 |
| 98 | 13010 | 13011 | SN | 1 | -34.057 | 23.835 | 0.025 | -34.077 | 24.35 | 0.041 | -7.28 | 35.377 | 13.068 | -4.149 | 34.613 | 14.247 | 0.116 | 246.718 | 4.676 | 0.116 | 247.887 | 3.505 | 0.116 | 0.611 | 0.0 | 0.116 | 0.349 | 0.0 |
| 99 | 13010 | 13011 | NS | 1 | -34.86 | 27.344 | 1.618 | -34.643 | 28.768 | 2.025 | -18.437 | 34.721 | 11.492 | 2.53 | 29.729 | 20.066 | 0.116 | 296.794 | 1.161 | 0.116 | 282.348 | 1.041 | 0.116 | 6.849 | 0.006 | 0.116 | 0.161 | 0.0 |
| 100 | 13010 | 13011 | NS | 1 | -34.946 | 27.345 | 1.618 | -34.854 | 28.768 | 2.028 | -18.437 | 34.718 | 11.499 | 2.53 | 29.729 | 20.067 | 0.116 | 302.795 | 1.159 | 0.116 | 296.4 | 1.041 | 0.116 | 6.849 | 0.006 | 0.116 | 0.161 | 0.0 |
| 101 | 13010 | 13011 | SN | 1 | -34.057 | 23.835 | 0.023 | -34.077 | 24.35 | 0.248 | -7.28 | 35.377 | 12.349 | -4.149 | 34.613 | 14.271 | 0.116 | 246.718 | 4.298 | 0.116 | 247.887 | 3.007 | 0.116 | 0.611 | 0.0 | 0.116 | 0.349 | 0.0 |
| 102 | 13010 | 13011 | SN | 1 | -34.057 | 23.835 | 0.023 | -34.077 | 24.35 | 0.248 | -7.28 | 35.377 | 12.352 | -4.149 | 34.613 | 14.271 | 0.116 | 246.718 | 4.298 | 0.116 | 247.887 | 3.007 | 0.116 | 0.611 | 0.0 | 0.116 | 0.349 | 0.0 |
| 103 | 13011 | 13012 | NS | 1 | -34.834 | 27.941 | 1.085 | -34.161 | 27.416 | 1.374 | -7.659 | 29.104 | 19.557 | -16.135 | 30.272 | 35.905 | 0.116 | 294.946 | 3.423 | 0.116 | 252.674 | 3.147 | 0.116 | 0.658 | 0.0 | 0.116 | 4.068 | 0.002 |
| 104 | 13011 | 13012 | NS | 1 | -33.936 | 27.941 | 1.083 | -34.824 | 27.416 | 1.375 | -7.664 | 29.104 | 19.543 | -16.186 | 30.272 | 35.917 | 0.116 | 239.949 | 3.426 | 0.116 | 294.407 | 3.155 | 0.116 | 0.659 | 0.0 | 0.116 | 4.116 | 0.002 |
| 105 | 13011 | 13012 | SN | 1 | -34.741 | 27.583 | 0.209 | -34.634 | 27.86 | 0.762 | -7.862 | 29.178 | 18.922 | -5.928 | 30.148 | 21.203 | 0.116 | 288.756 | 4.132 | 0.116 | 281.747 | 3.354 | 0.116 | 0.685 | 0.0 | 0.116 | 0.474 | 0.0 |
| 106 | 13011 | 13012 | SN | 2 | -34.741 | 27.583 | 0.209 | -34.634 | 27.86 | 0.762 | -7.862 | 29.178 | 18.922 | -5.928 | 30.148 | 21.203 | 0.116 | 288.756 | 4.132 | 0.116 | 281.747 | 3.354 | 0.116 | 0.685 | 0.0 | 0.116 | 0.474 | 0.0 |
| 107 | 13012 | 13013 | SN | 1 | -34.807 | 27.812 | 0.17 | -34.348 | 28.464 | 0.731 | -7.26 | 29.528 | 16.477 | -7.351 | 32.382 | 12.984 | 0.116 | 293.157 | 3.938 | 0.116 | 263.737 | 3.09 | 0.116 | 0.609 | 0.0 | 0.116 | 0.62 | 0.0 |
| 108 | 13012 | 13013 | NS | 2 | -34.42 | 25.077 | 1.121 | -34.383 | 25.744 | 0.94 | -10.434 | 30.99 | 14.262 | -0.718 | 30.046 | 27.105 | 0.116 | 268.244 | 3.03 | 0.116 | 265.963 | 3.403 | 0.116 | 1.162 | 0.003 | 0.116 | 0.216 | 0.0 |
| 109 | 13012 | 13013 | NS | 1 | -34.42 | 25.077 | 1.121 | -34.383 | 25.744 | 0.94 | -10.434 | 30.99 | 14.262 | -0.718 | 30.046 | 27.103 | 0.116 | 268.244 | 3.032 | 0.116 | 265.963 | 3.403 | 0.116 | 1.162 | 0.003 | 0.116 | 0.216 | 0.0 |
| 110 | 13013 | 13014 | NS | 1 | -34.563 | 27.733 | 1.51 | -34.594 | 24.749 | 1.256 | 3.514 | 31.446 | 16.049 | 3.348 | 35.773 | 25.014 | 0.116 | 277.157 | 2.926 | 0.116 | 279.124 | 3.068 | 0.116 | 0.151 | 0.0 | 0.116 | 0.153 | 0.0 |
| 111 | 13013 | 13014 | SN | 1 | -34.51 | 27.378 | 0.034 | -34.795 | 28.903 | 1.738 | -22.369 | 29.506 | 20.129 | -7.834 | 30.976 | 23.674 | 0.116 | 273.808 | 5.957 | 0.116 | 292.375 | 4.872 | 0.116 | 16.809 | 0.007 | 0.116 | 0.681 | 0.0 |

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

- Normal
- Deviations
- Alarming
- High Errors

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|
| 112 | 13014 | 13015 | NS | 1 | -33.924 | 24.856 | 1.736 | -34.351 | 25.236 | 1.497 | 11.716 | 30.496 | 28.887 | 11.846 | 30.238 | 41.707 | 0.116 | 239.284 | 1.101 | 0.116 | 263.958 | 0.975 | 0.116 | 0.121 | 0.0 | 0.116 | 0.121 | 0.0 |
| 113 | 13014 | 13015 | SN | 1 | -34.601 | 27.348 | 0.184 | -31.441 | 27.33 | 3.805 | -7.438 | 33.951 | 17.191 | -12.919 | 30.968 | 20.195 | 0.116 | 279.691 | 0.87 | 0.116 | 135.103 | 0.291 | 0.116 | 0.63 | 0.0 | 0.116 | 1.988 | 0.004 |
| 114 | 13014 | 13015 | SN | 1 | -31.789 | 27.348 | 0.185 | -32.252 | 27.33 | 3.815 | -7.43 | 33.949 | 17.193 | -13.005 | 30.968 | 20.199 | 0.116 | 146.398 | 0.871 | 0.116 | 162.829 | 0.291 | 0.116 | 0.629 | 0.0 | 0.116 | 2.026 | 0.004 |
| 115 | 13014 | 13015 | NS | 1 | -33.924 | 24.856 | 1.736 | -34.351 | 25.236 | 1.497 | 11.716 | 30.496 | 24.361 | 11.846 | 30.238 | 39.27 | 0.116 | 239.284 | 1.101 | 0.116 | 263.958 | 0.975 | 0.116 | 0.121 | 0.0 | 0.116 | 0.121 | 0.0 |
| 116 | 13015 | 13016 | NS | 1 | -34.936 | 27.613 | 1.28 | -34.696 | 28.16 | 0.377 | 11.804 | 28.148 | 19.983 | -4.344 | 29.741 | 42.556 | 0.116 | 301.959 | 4.415 | 0.116 | 285.778 | 4.374 | 0.116 | 0.121 | 0.0 | 0.116 | 0.36 | 0.0 |
| 117 | 13015 | 13016 | NS | 1 | -34.936 | 27.611 | 1.281 | -34.696 | 28.16 | 0.377 | 11.804 | 28.148 | 15.257 | -4.344 | 29.775 | 36.933 | 0.116 | 301.959 | 4.42 | 0.116 | 285.778 | 4.375 | 0.116 | 0.121 | 0.0 | 0.116 | 0.36 | 0.0 |
| 118 | 13015 | 13016 | SN | 1 | -34.397 | 26.754 | 0.463 | -34.094 | 27.774 | 3.0 | -10.836 | 29.328 | 25.876 | -5.866 | 29.994 | 28.116 | 0.116 | 266.756 | 2.516 | 0.116 | 248.847 | 2.33 | 0.116 | 1.266 | 0.006 | 0.116 | 0.469 | 0.0 |
| 119 | 13015 | 13016 | NS | 2 | -34.936 | 27.613 | 1.28 | -34.696 | 28.16 | 0.377 | 11.804 | 28.148 | 19.983 | -4.344 | 29.741 | 42.556 | 0.116 | 301.959 | 4.415 | 0.116 | 285.778 | 4.374 | 0.116 | 0.121 | 0.0 | 0.116 | 0.36 | 0.0 |
| 120 | 13016 | 13017 | SN | 1 | -34.773 | 28.306 | 0.603 | -34.765 | 28.592 | 2.394 | -16.831 | 29.27 | 47.228 | 4.364 | 29.724 | 59.076 | 0.116 | 290.948 | 3.16 | 0.116 | 290.446 | 2.554 | 0.116 | 4.761 | 0.021 | 0.116 | 0.145 | 0.0 |
| 121 | 13016 | 13017 | NS | 1 | -34.801 | 27.274 | 1.215 | -34.748 | 26.25 | 0.171 | -1.559 | 29.127 | 29.755 | 8.246 | 30.427 | 41.221 | 0.116 | 292.768 | 3.85 | 0.116 | 289.253 | 3.383 | 0.116 | 0.239 | 0.0 | 0.116 | 0.127 | 0.0 |
| 122 | 13016 | 13017 | NS | 1 | -34.801 | 26.123 | 1.193 | -34.748 | 26.267 | 0.168 | -1.559 | 27.823 | 9.966 | 8.235 | 30.433 | 18.059 | 0.116 | 292.768 | 3.854 | 0.116 | 289.253 | 3.382 | 0.116 | 0.239 | 0.0 | 0.116 | 0.127 | 0.0 |
| 123 | 13016 | 13017 | NS | 1 | -34.523 | 27.274 | 1.214 | -34.837 | 26.25 | 0.17 | -1.559 | 29.129 | 29.755 | 8.246 | 30.42 | 41.225 | 0.116 | 274.618 | 3.846 | 0.116 | 295.146 | 3.376 | 0.116 | 0.239 | 0.0 | 0.116 | 0.127 | 0.0 |
| 124 | 13016 | 13017 | SN | 2 | -34.773 | 28.306 | 0.603 | -34.385 | 28.592 | 2.394 | -16.873 | 29.27 | 47.228 | 4.364 | 29.724 | 59.085 | 0.116 | 290.948 | 3.16 | 0.116 | 266.007 | 2.554 | 0.116 | 4.806 | 0.021 | 0.116 | 0.145 | 0.0 |
| 125 | 13017 | 13018 | NS | 1 | -34.626 | 24.582 | 1.125 | -34.82 | 28.23 | 0.135 | 8.02 | 24.579 | 8.068 | 6.784 | 27.201 | 14.314 | 0.116 | 281.199 | 3.206 | 0.116 | 294.053 | 2.996 | 0.116 | 0.128 | 0.0 | 0.116 | 0.132 | 0.0 |
| 126 | 13017 | 13018 | SN | 1 | -34.863 | 24.301 | 0.723 | -33.223 | 25.747 | 2.46 | 7.211 | 29.519 | 18.606 | 9.403 | 30.64 | 29.066 | 0.116 | 296.972 | 3.633 | 0.116 | 203.583 | 3.542 | 0.116 | 0.13 | 0.0 | 0.116 | 0.124 | 0.0 |
| 127 | 13017 | 13018 | NS | 1 | -34.626 | 26.938 | 1.202 | -34.82 | 28.232 | 0.154 | 7.052 | 29.277 | 15.229 | 6.832 | 29.489 | 27.731 | 0.116 | 281.199 | 3.048 | 0.116 | 294.053 | 2.977 | 0.116 | 0.131 | 0.0 | 0.116 | 0.132 | 0.0 |
| 128 | 13017 | 13018 | NS | 1 | -34.945 | 26.938 | 1.201 | -34.82 | 28.232 | 0.154 | 7.052 | 29.277 | 15.232 | 6.833 | 29.491 | 27.742 | 0.116 | 302.669 | 3.048 | 0.116 | 294.053 | 3.005 | 0.116 | 0.131 | 0.0 | 0.116 | 0.132 | 0.0 |
| 129 | 13017 | 13018 | SN | 1 | -34.863 | 23.634 | 0.034 | -33.223 | 24.322 | 0.14 | 7.211 | 29.519 | 17.606 | 9.403 | 30.64 | 28.749 | 0.116 | 296.972 | 3.743 | 0.116 | 203.583 | 3.892 | 0.116 | 0.13 | 0.0 | 0.116 | 0.124 | 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 | 12989 | 12990 | SN | 1 | 57.41 | 58.16 | 0.0 | 0.0 | 289.995 | 4.414 | 1191.08 | 1265.608 | 41.638 | -93.615 | -91.741 | 0.0 |
| 2 | 12989 | 12990 | NS | 1 | 57.64 | 58.257 | 0.0 | 0.0 | 292.118 | 3.75 | 1234.792 | 1271.08 | 0.0 | -93.568 | -92.113 | 0.0 |
| 3 | 12989 | 12990 | NS | 1 | 57.606 | 58.257 | 0.0 | 0.0 | 292.118 | 3.747 | 1235.056 | 1271.016 | 0.0 | -93.568 | -92.113 | 0.0 |
| 4 | 12989 | 12990 | SN | 1 | 57.41 | 58.16 | 0.0 | 0.0 | 289.995 | 4.011 | 1191.08 | 1265.608 | 42.647 | -93.615 | -91.741 | 0.0 |
| 5 | 12989 | 12990 | SN | 1 | 57.42 | 58.162 | 0.0 | 0.0 | 289.995 | 4.427 | 1190.944 | 1265.608 | 41.594 | -93.615 | -91.741 | 0.0 |
| 6 | 12990 | 12991 | SN | 1 | 57.422 | 58.15 | 0.0 | 0.0 | 295.532 | 3.265 | 1191.76 | 1265.6 | 41.624 | -93.013 | -91.771 | 0.0 |
| 7 | 12990 | 12991 | NS | 1 | 57.642 | 58.269 | 0.0 | 0.0 | 295.885 | 3.361 | 1235.864 | 1271.32 | 0.0 | -93.569 | -92.078 | 0.0 |
| 8 | 12990 | 12991 | NS | 2 | 57.641 | 58.269 | 0.0 | 0.006 | 295.847 | 3.361 | 1235.864 | 1271.336 | 0.0 | -93.569 | -92.078 | 0.0 |
| 9 | 12990 | 12991 | SN | 1 | 57.411 | 58.15 | 0.0 | 0.0 | 295.532 | 3.268 | 1191.76 | 1265.6 | 41.605 | -93.013 | -91.771 | 0.0 |
| 10 | 12990 | 12991 | SN | 1 | 57.422 | 58.15 | 0.0 | 0.0 | 295.587 | 3.674 | 1191.76 | 1265.6 | 41.121 | -93.556 | -91.771 | 0.0 |
| 11 | 12991 | 12992 | SN | 1 | 57.27 | 58.17 | 0.0 | 0.0 | 291.799 | 3.335 | 1191.496 | 1265.576 | 42.23 | -93.474 | -91.786 | 0.0 |
| 12 | 12991 | 12992 | SN | 1 | 57.27 | 58.17 | 0.0 | 0.0 | 291.694 | 3.333 | 1191.496 | 1265.576 | 42.279 | -93.474 | -91.786 | 0.0 |
| 13 | 12991 | 12992 | NS | 1 | 57.614 | 58.244 | 0.0 | 0.0 | 299.9 | 3.505 | 1235.952 | 1271.352 | 0.0 | -93.568 | -92.069 | 0.0 |
| 14 | 12991 | 12992 | SN | 1 | 57.27 | 58.17 | 0.0 | 0.0 | 291.727 | 3.476 | 1191.496 | 1265.576 | 41.919 | -93.474 | -91.786 | 0.0 |
| 15 | 12992 | 12993 | NS | 1 | 57.63 | 58.242 | 0.0 | 0.0 | 290.767 | 3.619 | 1235.664 | 1271.616 | 0.0 | -93.569 | -92.107 | 0.0 |
| 16 | 12992 | 12993 | SN | 1 | 57.42 | 58.18 | 0.0 | 0.0 | 289.405 | 3.739 | 1191.624 | 1265.392 | 41.275 | -95.484 | -91.766 | 0.0 |
| 17 | 12992 | 12993 | SN | 1 | 57.42 | 58.18 | 0.0 | 0.0 | 286.024 | 3.338 | 1191.624 | 1265.392 | 42.077 | -95.484 | -91.766 | 0.0 |
| 18 | 12992 | 12993 | NS | 2 | 57.631 | 58.243 | 0.0 | 0.0 | 290.817 | 3.622 | 1235.312 | 1271.632 | 0.0 | -93.569 | -92.107 | 0.0 |
| 19 | 12992 | 12993 | SN | 1 | 57.42 | 58.18 | 0.0 | 0.0 | 289.405 | 3.739 | 1191.624 | 1265.392 | 41.275 | -95.484 | -91.766 | 0.0 |
| 20 | 12993 | 12994 | SN | 1 | 57.415 | 58.152 | 0.0 | 0.003 | 269.612 | 2.73 | 1191.616 | 1264.648 | 43.515 | -93.678 | -91.785 | 0.0 |
| 21 | 12993 | 12994 | NS | 1 | 57.614 | 58.478 | 0.0 | 0.0 | 290.238 | 4.074 | 1235.624 | 1271.4 | 0.0 | -94.101 | -92.121 | 0.0 |
| 22 | 12993 | 12994 | NS | 2 | 57.615 | 58.479 | 0.0 | 0.0 | 290.238 | 4.076 | 1235.992 | 1271.432 | 0.0 | -94.101 | -92.121 | 0.0 |
| 23 | 12993 | 12994 | SN | 1 | 57.426 | 58.152 | 0.0 | 0.003 | 269.612 | 2.875 | 1191.616 | 1264.648 | 42.841 | -93.678 | -91.785 | 0.0 |
| 24 | 12994 | 12995 | SN | 1 | 57.44 | 58.154 | 0.0 | 0.0 | 290.486 | 4.361 | 1190.96 | 1265.064 | 40.404 | -94.298 | -91.787 | 0.0 |
| 25 | 12994 | 12995 | NS | 1 | 57.642 | 58.266 | 0.0 | 0.0 | 295.984 | 3.672 | 1236.272 | 1270.96 | 0.0 | -93.11 | -92.124 | 0.0 |
| 26 | 12994 | 12995 | SN | 2 | 57.44 | 58.154 | 0.0 | 0.0 | 290.486 | 4.361 | 1190.96 | 1265.064 | 40.404 | -94.298 | -91.787 | 0.0 |
| 27 | 12994 | 12995 | NS | 1 | 57.618 | 58.267 | 0.0 | 0.0 | 296.007 | 3.67 | 1236.24 | 1271.368 | 0.0 | -93.126 | -92.124 | 0.0 |
| 28 | 12995 | 12996 | SN | 1 | 57.425 | 58.163 | 0.0 | 0.0 | 285.804 | 2.491 | 1191.68 | 1264.624 | 39.705 | -92.975 | -91.771 | 0.0 |
| 29 | 12995 | 12996 | SN | 1 | 57.418 | 58.163 | 0.0 | 0.0 | 297.104 | 3.565 | 1191.68 | 1264.624 | 37.06 | -92.975 | -91.771 | 0.0 |
| 30 | 12995 | 12996 | SN | 1 | 57.418 | 58.163 | 0.0 | 0.0 | 296.988 | 3.565 | 1191.68 | 1264.624 | 37.06 | -92.975 | -91.771 | 0.0 |
| 31 | 12995 | 12996 | NS | 1 | 57.537 | 58.266 | 0.0 | 0.0 | 291.291 | 3.538 | 1235.296 | 1270.56 | 0.0 | -93.689 | -92.134 | 0.0 |
| 32 | 12995 | 12996 | NS | 1 | 57.53 | 58.468 | 0.0 | 0.0 | 289.548 | 2.535 | 1233.152 | 1275.232 | 0.0 | -95.021 | -92.134 | 0.0 |
| 33 | 12996 | 12997 | SN | 1 | 57.436 | 58.147 | 0.0 | 0.0 | 291.253 | 3.976 | 1191.656 | 1265.08 | 37.978 | -93.44 | -91.768 | 0.0 |
| 34 | 12996 | 12997 | SN | 1 | 57.427 | 58.147 | 0.0 | 0.0 | 285.043 | 2.618 | 1191.344 | 1265.08 | 41.404 | -93.44 | -91.768 | 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 | 12996 | 12997 | SN | 1 | 57.427 | 58.147 | 0.0 | 0.0 | 291.253 | 3.98 | 1191.344 | 1265.08 | 37.959 | -93.44 | -91.768 | 0.0 |
| 36 | 12996 | 12997 | NS | 1 | 57.615 | 58.289 | 0.0 | 0.0 | 297.391 | 3.642 | 1235.224 | 1271.32 | 0.0 | -94.331 | -92.132 | 0.0 |
| 37 | 12996 | 12997 | NS | 2 | 57.613 | 58.288 | 0.0 | 0.0 | 297.275 | 3.642 | 1235.184 | 1271.264 | 0.0 | -94.331 | -92.131 | 0.0 |
| 38 | 12997 | 12998 | NS | 1 | 57.496 | 58.545 | 0.0 | 0.0 | 291.115 | 3.613 | 1235.96 | 1271.256 | 0.0 | -95.939 | -92.113 | 0.0 |
| 39 | 12997 | 12998 | SN | 1 | 57.418 | 58.148 | 0.0 | 0.003 | 287.309 | 3.515 | 1191.12 | 1264.768 | 39.991 | -93.029 | -91.764 | 0.0 |
| 40 | 12997 | 12998 | SN | 1 | 57.418 | 58.148 | 0.0 | 0.003 | 287.309 | 3.515 | 1191.12 | 1264.768 | 39.991 | -93.029 | -91.764 | 0.0 |
| 41 | 12998 | 12999 | NS | 2 | 57.624 | 58.261 | 0.0 | 0.0 | 288.242 | 3.68 | 1235.616 | 1270.56 | 0.0 | -94.985 | -92.1 | 0.0 |
| 42 | 12998 | 12999 | NS | 1 | 57.624 | 58.261 | 0.0 | 0.0 | 288.242 | 3.68 | 1235.616 | 1270.56 | 0.0 | -94.985 | -92.1 | 0.0 |
| 43 | 12998 | 12999 | SN | 1 | 57.095 | 58.162 | 0.0 | 0.0 | 299.636 | 4.146 | 1191.96 | 1264.728 | 40.15 | -95.305 | -91.79 | 0.0 |
| 44 | 12999 | 13000 | NS | 1 | 57.647 | 58.245 | 0.0 | 0.0 | 278.745 | 3.096 | 1235.68 | 1270.688 | 0.0 | -93.585 | -92.113 | 0.0 |
| 45 | 12999 | 13000 | NS | 1 | 57.647 | 58.245 | 0.0 | 0.0 | 278.745 | 3.096 | 1235.68 | 1270.808 | 0.0 | -93.585 | -92.113 | 0.0 |
| 46 | 12999 | 13000 | SN | 1 | 57.257 | 58.247 | 0.0 | 0.0 | 293.266 | 4.026 | 1192.08 | 1264.664 | 39.189 | -95.357 | -91.761 | 0.0 |
| 47 | 13000 | 13001 | SN | 1 | 57.445 | 58.153 | 0.0 | 0.0 | 287.414 | 3.992 | 1191.488 | 1264.632 | 40.585 | -93.623 | -91.769 | 0.0 |
| 48 | 13000 | 13001 | NS | 1 | 57.619 | 58.256 | 0.0 | 0.0 | 288.352 | 3.355 | 1235.84 | 1270.624 | 0.0 | -93.575 | -92.128 | 0.0 |
| 49 | 13000 | 13001 | SN | 2 | 57.445 | 58.153 | 0.0 | 0.0 | 287.414 | 3.992 | 1191.488 | 1264.632 | 40.585 | -93.623 | -91.769 | 0.0 |
| 50 | 13000 | 13001 | NS | 1 | 57.619 | 58.267 | 0.0 | 0.0 | 288.368 | 3.359 | 1235.84 | 1270.712 | 0.0 | -93.575 | -92.128 | 0.0 |
| 51 | 13000 | 13001 | NS | 1 | 57.619 | 58.267 | 0.0 | 0.003 | 283.443 | 2.876 | 1235.84 | 1270.88 | 0.0 | -93.575 | -92.128 | 0.0 |
| 52 | 13001 | 13002 | SN | 2 | 57.419 | 58.145 | 0.0 | 0.0 | 294.473 | 3.594 | 1191.544 | 1264.48 | 41.006 | -92.876 | -91.789 | 0.0 |
| 53 | 13001 | 13002 | NS | 1 | 57.61 | 58.277 | 0.0 | 0.0 | 290.106 | 2.789 | 1235.296 | 1270.496 | 0.0 | -95.637 | -92.132 | 0.0 |
| 54 | 13001 | 13002 | SN | 1 | 57.419 | 58.145 | 0.0 | 0.0 | 294.473 | 3.594 | 1191.544 | 1264.48 | 41.006 | -92.876 | -91.789 | 0.0 |
| 55 | 13001 | 13002 | NS | 2 | 57.61 | 58.277 | 0.0 | 0.0 | 292.604 | 3.48 | 1235.296 | 1270.496 | 0.0 | -95.637 | -92.132 | 0.0 |
| 56 | 13001 | 13002 | NS | 1 | 57.61 | 58.277 | 0.0 | 0.0 | 292.604 | 3.48 | 1235.296 | 1270.496 | 0.0 | -95.637 | -92.132 | 0.0 |
| 57 | 13002 | 13003 | SN | 1 | 57.218 | 58.26 | 0.0 | 0.0 | 289.218 | 8.286 | 1192.176 | 1264.608 | 40.108 | -95.434 | -91.792 | 0.0 |
| 58 | 13002 | 13003 | SN | 1 | 57.218 | 58.26 | 0.001 | 0.0 | 283.063 | 6.977 | 1192.176 | 1264.608 | 44.423 | -95.434 | -91.792 | 0.0 |
| 59 | 13002 | 13003 | NS | 2 | 57.608 | 58.243 | 0.0 | 0.0 | 298.61 | 3.471 | 1235.72 | 1270.088 | 0.0 | -93.232 | -92.132 | 0.0 |
| 60 | 13002 | 13003 | NS | 1 | 57.608 | 58.243 | 0.0 | 0.0 | 298.61 | 3.471 | 1235.72 | 1270.088 | 0.0 | -93.232 | -92.132 | 0.0 |
| 61 | 13002 | 13003 | SN | 1 | 57.218 | 58.26 | 0.0 | 0.0 | 289.24 | 7.028 | 1192.176 | 1264.608 | 41.514 | -95.434 | -91.792 | 0.0 |
| 62 | 13002 | 13003 | NS | 1 | 57.608 | 58.252 | 0.0 | 0.0 | 298.61 | 2.207 | 1235.72 | 1270.064 | 0.0 | -93.232 | -92.132 | 0.0 |
| 63 | 13003 | 13004 | SN | 2 | 57.432 | 58.161 | 0.0 | 0.0 | 298.56 | 3.715 | 1192.424 | 1264.152 | 42.505 | -92.973 | -91.769 | 0.0 |
| 64 | 13003 | 13004 | NS | 1 | 57.632 | 58.255 | 0.0 | 0.0 | 286.598 | 3.989 | 1235.128 | 1269.848 | 0.0 | -93.592 | -92.126 | 0.0 |
| 65 | 13003 | 13004 | NS | 1 | 57.633 | 58.26 | 0.0 | 0.0 | 286.664 | 3.975 | 1235.16 | 1270.08 | 0.0 | -93.592 | -92.127 | 0.0 |
| 66 | 13003 | 13004 | SN | 1 | 57.432 | 58.161 | 0.0 | 0.0 | 298.56 | 3.715 | 1192.424 | 1264.152 | 42.506 | -92.973 | -91.769 | 0.0 |
| 67 | 13003 | 13004 | SN | 1 | 57.439 | 58.161 | 0.0 | 0.0 | 298.56 | 2.946 | 1192.424 | 1264.152 | 44.258 | -92.973 | -91.769 | 0.0 |
| 68 | 13004 | 13005 | SN | 1 | 57.433 | 58.143 | 0.0 | 0.0 | 292.642 | 3.333 | 1191.392 | 1264.264 | 40.941 | -92.895 | -91.757 | 0.0 |
| 69 | 13004 | 13005 | SN | 1 | 57.433 | 58.143 | 0.0 | 0.0 | 292.642 | 3.718 | 1191.392 | 1264.264 | 40.256 | -92.895 | -91.757 | 0.0 |
| 70 | 13004 | 13005 | NS | 1 | 57.647 | 58.241 | 0.0 | 0.0 | 286.692 | 3.694 | 1235.592 | 1269.872 | 0.0 | -93.781 | -92.124 | 0.0 |
| 71 | 13004 | 13005 | SN | 1 | 57.433 | 58.143 | 0.0 | 0.0 | 292.642 | 3.719 | 1191.392 | 1264.264 | 40.256 | -92.895 | -91.757 | 0.0 |

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

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|  Normal |  Deviations |
|  Alarming |  High Errors |

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|-----|-------|-------|----|---|--------|--------|-------|-------|---------|-------|----------|----------|--------|---------|---------|-----|
| 72 | 13004 | 13005 | NS | 1 | 57.647 | 58.241 | 0.0 | 0.0 | 286.692 | 3.792 | 1235.592 | 1269.872 | 0.0 | -93.781 | -92.124 | 0.0 |
| 73 | 13005 | 13006 | NS | 1 | 57.649 | 58.26 | 0.0 | 0.0 | 289.824 | 3.899 | 1235.704 | 1270.12 | 0.0 | -93.788 | -92.072 | 0.0 |
| 74 | 13005 | 13006 | SN | 1 | 57.431 | 58.169 | 0.0 | 0.0 | 289.041 | 3.33 | 1191.448 | 1264.048 | 41.108 | -93.666 | -91.789 | 0.0 |
| 75 | 13005 | 13006 | SN | 1 | 57.431 | 58.169 | 0.0 | 0.0 | 289.041 | 3.33 | 1191.448 | 1264.048 | 41.101 | -93.666 | -91.789 | 0.0 |
| 76 | 13005 | 13006 | SN | 2 | 57.431 | 58.169 | 0.0 | 0.0 | 289.041 | 3.33 | 1191.448 | 1264.048 | 41.101 | -93.666 | -91.789 | 0.0 |
| 77 | 13005 | 13006 | NS | 1 | 57.648 | 58.242 | 0.0 | 0.0 | 288.462 | 3.903 | 1235.568 | 1270.096 | 0.0 | -93.788 | -92.072 | 0.0 |
| 78 | 13006 | 13007 | NS | 1 | 57.649 | 58.237 | 0.0 | 0.0 | 290.21 | 3.726 | 1235.776 | 1270.056 | 0.0 | -93.584 | -92.113 | 0.0 |
| 79 | 13006 | 13007 | NS | 1 | 57.647 | 58.237 | 0.0 | 0.0 | 290.21 | 3.721 | 1235.872 | 1270.056 | 0.0 | -93.584 | -92.113 | 0.0 |
| 80 | 13006 | 13007 | SN | 1 | 57.203 | 58.164 | 0.0 | 0.0 | 285.109 | 3.857 | 1191.824 | 1264.288 | 42.287 | -93.664 | -91.787 | 0.0 |
| 81 | 13006 | 13007 | SN | 2 | 57.203 | 58.164 | 0.0 | 0.0 | 294.49 | 3.871 | 1191.824 | 1264.288 | 42.081 | -93.664 | -91.787 | 0.0 |
| 82 | 13006 | 13007 | SN | 1 | 57.203 | 58.164 | 0.0 | 0.0 | 294.451 | 3.871 | 1191.824 | 1264.288 | 42.081 | -93.664 | -91.787 | 0.0 |
| 83 | 13007 | 13008 | NS | 1 | 57.651 | 58.256 | 0.0 | 0.0 | 293.823 | 3.621 | 1235.976 | 1270.52 | 0.0 | -93.156 | -92.125 | 0.0 |
| 84 | 13007 | 13008 | SN | 1 | 57.428 | 58.146 | 0.0 | 0.0 | 299.658 | 3.744 | 1191.776 | 1264.016 | 41.427 | -93.031 | -91.787 | 0.0 |
| 85 | 13007 | 13008 | SN | 1 | 57.444 | 58.146 | 0.0 | 0.0 | 299.658 | 3.748 | 1191.904 | 1264.016 | 41.47 | -92.967 | -91.787 | 0.0 |
| 86 | 13007 | 13008 | NS | 2 | 57.65 | 58.257 | 0.0 | 0.0 | 293.812 | 3.618 | 1235.96 | 1270.504 | 0.0 | -93.156 | -92.125 | 0.0 |
| 87 | 13007 | 13008 | SN | 1 | 57.444 | 58.146 | 0.0 | 0.0 | 299.658 | 3.298 | 1191.904 | 1264.016 | 42.457 | -92.967 | -91.787 | 0.0 |
| 88 | 13008 | 13009 | NS | 2 | 57.651 | 58.247 | 0.0 | 0.0 | 295.361 | 3.726 | 1235.856 | 1270.416 | 0.0 | -93.758 | -92.129 | 0.0 |
| 89 | 13008 | 13009 | NS | 1 | 57.651 | 58.247 | 0.0 | 0.0 | 295.361 | 3.726 | 1235.856 | 1270.416 | 0.0 | -93.758 | -92.129 | 0.0 |
| 90 | 13008 | 13009 | SN | 1 | 57.223 | 58.139 | 0.001 | 0.0 | 280.36 | 3.697 | 1185.32 | 1263.712 | 40.83 | -95.413 | -91.782 | 0.0 |
| 91 | 13008 | 13009 | SN | 1 | 57.223 | 58.139 | 0.001 | 0.0 | 280.36 | 3.701 | 1185.32 | 1263.712 | 40.871 | -95.413 | -91.782 | 0.0 |
| 92 | 13008 | 13009 | SN | 1 | 57.223 | 58.139 | 0.001 | 0.0 | 280.36 | 3.47 | 1185.32 | 1263.712 | 41.817 | -95.413 | -91.782 | 0.0 |
| 93 | 13009 | 13010 | SN | 1 | 57.442 | 58.166 | 0.0 | 0.003 | 85.56 | 3.043 | 1191.624 | 1262.912 | 39.852 | -93.376 | -91.788 | 0.0 |
| 94 | 13009 | 13010 | NS | 1 | 57.622 | 58.366 | 0.0 | 0.0 | 290.321 | 4.269 | 1235.672 | 1269.408 | 0.0 | -94.875 | -92.131 | 0.0 |
| 95 | 13009 | 13010 | SN | 2 | 57.442 | 58.166 | 0.0 | 0.003 | 85.56 | 3.043 | 1191.624 | 1262.912 | 39.852 | -93.376 | -91.788 | 0.0 |
| 96 | 13009 | 13010 | SN | 1 | 57.442 | 58.166 | 0.0 | 0.003 | 85.56 | 2.523 | 1191.624 | 1262.912 | 41.399 | -93.376 | -91.788 | 0.0 |
| 97 | 13009 | 13010 | NS | 1 | 57.621 | 58.366 | 0.0 | 0.0 | 283.278 | 4.261 | 1235.64 | 1269.392 | 0.0 | -94.875 | -92.13 | 0.0 |
| 98 | 13010 | 13011 | SN | 1 | 57.422 | 58.152 | 0.0 | 0.0 | 286.482 | 2.699 | 1191.8 | 1263.664 | 39.169 | -93.182 | -91.781 | 0.0 |
| 99 | 13010 | 13011 | NS | 1 | 57.616 | 58.253 | 0.0 | 0.0 | 290.464 | 3.684 | 1236.488 | 1270.176 | 0.0 | -93.683 | -92.142 | 0.0 |
| 100 | 13010 | 13011 | NS | 1 | 57.616 | 58.253 | 0.0 | 0.0 | 290.464 | 3.687 | 1236.488 | 1269.552 | 0.0 | -93.683 | -92.142 | 0.0 |
| 101 | 13010 | 13011 | SN | 1 | 57.422 | 58.152 | 0.0 | 0.0 | 286.482 | 3.971 | 1191.8 | 1263.664 | 36.237 | -93.182 | -91.781 | 0.0 |
| 102 | 13010 | 13011 | SN | 1 | 57.422 | 58.152 | 0.0 | 0.0 | 286.482 | 3.971 | 1191.8 | 1263.664 | 36.238 | -93.182 | -91.781 | 0.0 |
| 103 | 13011 | 13012 | NS | 1 | 57.619 | 58.262 | 0.0 | 0.0 | 295.604 | 3.704 | 1235.616 | 1270.128 | 0.0 | -93.584 | -92.123 | 0.0 |
| 104 | 13011 | 13012 | NS | 1 | 57.622 | 58.262 | 0.0 | 0.0 | 295.604 | 3.688 | 1235.672 | 1270.128 | 0.0 | -93.584 | -92.123 | 0.0 |
| 105 | 13011 | 13012 | SN | 1 | 57.435 | 58.139 | 0.0 | 0.0 | 299.272 | 4.186 | 1191.712 | 1263.672 | 38.348 | -93.338 | -91.758 | 0.0 |
| 106 | 13011 | 13012 | SN | 2 | 57.435 | 58.139 | 0.0 | 0.0 | 299.272 | 4.186 | 1191.712 | 1263.672 | 38.348 | -93.338 | -91.758 | 0.0 |
| 107 | 13012 | 13013 | SN | 1 | 57.415 | 58.139 | 0.0 | 0.003 | 289.488 | 2.864 | 1191.696 | 1263.016 | 40.027 | -92.983 | -91.795 | 0.0 |
| 108 | 13012 | 13013 | NS | 2 | 57.462 | 58.437 | 0.0 | 0.0 | 292.323 | 3.691 | 1231.56 | 1269.752 | 0.0 | -95.676 | -92.113 | 0.0 |

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

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|  Normal |  Deviations |
|  Alarming |  High Errors |

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|-----|-------|-------|----|---|--------|--------|-----|-----|---------|-------|----------|----------|--------|---------|---------|-----|
| 109 | 13012 | 13013 | NS | 1 | 57.462 | 58.437 | 0.0 | 0.0 | 292.323 | 3.693 | 1231.568 | 1269.76 | 0.0 | -95.676 | -92.114 | 0.0 |
| 110 | 13013 | 13014 | NS | 1 | 57.653 | 58.239 | 0.0 | 0.0 | 296.31 | 3.657 | 1235.736 | 1268.928 | 0.0 | -93.186 | -92.112 | 0.0 |
| 111 | 13013 | 13014 | SN | 1 | 57.417 | 58.144 | 0.0 | 0.0 | 285.881 | 3.872 | 1192.784 | 1263.288 | 38.47 | -93.295 | -91.763 | 0.0 |
| 112 | 13014 | 13015 | NS | 1 | 57.652 | 58.263 | 0.0 | 0.0 | 283.261 | 3.711 | 1236.576 | 1269.776 | 0.0 | -93.562 | -92.138 | 0.0 |
| 113 | 13014 | 13015 | SN | 1 | 57.438 | 58.138 | 0.0 | 0.0 | 297.275 | 3.977 | 1192.656 | 1263.264 | 40.556 | -94.418 | -91.773 | 0.0 |
| 114 | 13014 | 13015 | SN | 1 | 57.451 | 58.157 | 0.0 | 0.0 | 297.275 | 3.98 | 1192.656 | 1263.264 | 40.594 | -94.418 | -91.773 | 0.0 |
| 115 | 13014 | 13015 | NS | 1 | 57.652 | 58.263 | 0.0 | 0.0 | 271.062 | 3.329 | 1236.576 | 1269.776 | 0.0 | -93.562 | -92.138 | 0.0 |
| 116 | 13015 | 13016 | NS | 1 | 57.456 | 58.478 | 0.0 | 0.0 | 274.934 | 3.534 | 1230.192 | 1276.568 | 0.0 | -95.891 | -92.137 | 0.0 |
| 117 | 13015 | 13016 | NS | 1 | 57.456 | 58.478 | 0.0 | 0.0 | 274.934 | 3.266 | 1230.192 | 1276.568 | 0.0 | -95.891 | -92.137 | 0.0 |
| 118 | 13015 | 13016 | SN | 1 | 57.426 | 58.161 | 0.0 | 0.0 | 288.705 | 3.793 | 1191.848 | 1263.24 | 39.596 | -95.305 | -91.787 | 0.0 |
| 119 | 13015 | 13016 | NS | 2 | 57.456 | 58.478 | 0.0 | 0.0 | 274.934 | 3.534 | 1230.192 | 1276.568 | 0.0 | -95.891 | -92.137 | 0.0 |
| 120 | 13016 | 13017 | SN | 1 | 57.446 | 58.297 | 0.0 | 0.0 | 298.544 | 4.022 | 1192.552 | 1263.28 | 40.338 | -95.533 | -91.792 | 0.0 |
| 121 | 13016 | 13017 | NS | 1 | 57.639 | 58.252 | 0.0 | 0.0 | 299.84 | 3.788 | 1236.272 | 1268.888 | 0.0 | -93.27 | -92.136 | 0.0 |
| 122 | 13016 | 13017 | NS | 1 | 57.639 | 58.252 | 0.0 | 0.0 | 279.346 | 2.48 | 1236.272 | 1268.784 | 0.0 | -93.27 | -92.136 | 0.0 |
| 123 | 13016 | 13017 | NS | 1 | 57.639 | 58.254 | 0.0 | 0.0 | 299.84 | 3.785 | 1236.248 | 1268.784 | 0.0 | -93.072 | -92.136 | 0.0 |
| 124 | 13016 | 13017 | SN | 2 | 57.448 | 58.296 | 0.0 | 0.0 | 298.554 | 4.022 | 1192.552 | 1263.288 | 40.345 | -95.533 | -91.792 | 0.0 |
| 125 | 13017 | 13018 | NS | 1 | 57.618 | 58.248 | 0.0 | 0.0 | 285.28 | 2.015 | 1234.752 | 1268.728 | 0.0 | -93.678 | -92.132 | 0.0 |
| 126 | 13017 | 13018 | SN | 1 | 57.415 | 58.162 | 0.0 | 0.0 | 290.889 | 3.95 | 1192.848 | 1263.216 | 41.32 | -93.729 | -91.795 | 0.0 |
| 127 | 13017 | 13018 | NS | 1 | 57.618 | 58.252 | 0.0 | 0.0 | 285.28 | 3.212 | 1234.752 | 1268.864 | 0.0 | -93.678 | -92.132 | 0.0 |
| 128 | 13017 | 13018 | NS | 1 | 57.618 | 58.252 | 0.0 | 0.0 | 285.28 | 3.209 | 1234.752 | 1268.88 | 0.0 | -93.678 | -92.132 | 0.0 |
| 129 | 13017 | 13018 | SN | 1 | 57.415 | 58.162 | 0.0 | 0.0 | 273.781 | 2.874 | 1192.848 | 1263.216 | 43.712 | -93.729 | -91.795 | 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 | 12989 | 12990 | SN | 1 | -34.75 | 21.388 | 0.0 | -34.707 | 21.432 | 0.0 | -16.119 | 22.322 | 0.036 | -4.246 | 23.458 | 0.047 | 0.086 | 221.191 | 4.776 | 0.086 | 219.005 | 4.025 | 0.086 | 3.095 | 0.009 | 0.086 | 0.267 | 0.0 |
| 2 | 12989 | 12990 | NS | 1 | -34.612 | 21.262 | 0.0 | -34.776 | 21.425 | 0.0 | -0.652 | 23.674 | 0.072 | -1.046 | 25.444 | 0.192 | 0.086 | 214.254 | 5.225 | 0.086 | 222.494 | 5.476 | 0.086 | 0.16 | 0.0 | 0.086 | 0.168 | 0.0 |
| 3 | 12989 | 12990 | NS | 1 | -34.485 | 21.258 | 0.0 | -34.618 | 21.425 | 0.0 | -0.651 | 23.674 | 0.072 | -1.046 | 25.444 | 0.192 | 0.086 | 208.11 | 5.224 | 0.086 | 214.556 | 5.466 | 0.086 | 0.16 | 0.0 | 0.086 | 0.168 | 0.0 |
| 4 | 12989 | 12990 | SN | 1 | -34.75 | 21.388 | 0.0 | -34.707 | 21.432 | 0.0 | -16.119 | 22.322 | 0.036 | -4.246 | 23.458 | 0.047 | 0.086 | 221.191 | 4.993 | 0.086 | 219.005 | 4.252 | 0.086 | 3.095 | 0.009 | 0.086 | 0.267 | 0.0 |
| 5 | 12989 | 12990 | SN | 1 | -34.753 | 21.388 | 0.0 | -34.629 | 21.431 | 0.0 | -16.119 | 22.322 | 0.036 | -4.245 | 23.459 | 0.047 | 0.086 | 221.338 | 4.784 | 0.086 | 215.136 | 4.022 | 0.086 | 3.095 | 0.009 | 0.086 | 0.267 | 0.0 |
| 6 | 12990 | 12991 | SN | 1 | -34.928 | 21.336 | 0.0 | -34.991 | 21.926 | 0.0 | 1.97 | 22.5 | 0.039 | 2.149 | 22.944 | 0.053 | 0.086 | 230.397 | 4.221 | 0.086 | 241.287 | 3.657 | 0.086 | 0.125 | 0.0 | 0.086 | 0.123 | 0.0 |
| 7 | 12990 | 12991 | NS | 1 | -34.875 | 20.917 | 0.0 | -34.484 | 21.18 | 0.0 | -14.354 | 22.979 | 0.023 | -9.064 | 23.301 | 0.092 | 0.086 | 227.605 | 3.548 | 0.086 | 208.06 | 3.584 | 0.086 | 2.083 | 0.002 | 0.086 | 0.663 | 0.0 |
| 8 | 12990 | 12991 | NS | 2 | -34.885 | 20.917 | 0.0 | -34.438 | 21.18 | 0.0 | -14.354 | 22.979 | 0.023 | -9.064 | 23.301 | 0.092 | 0.086 | 228.11 | 3.547 | 0.086 | 205.812 | 3.584 | 0.086 | 2.083 | 0.002 | 0.086 | 0.663 | 0.0 |
| 9 | 12990 | 12991 | SN | 1 | -34.922 | 21.336 | 0.0 | -34.287 | 21.926 | 0.0 | 1.97 | 22.5 | 0.039 | 2.149 | 22.944 | 0.054 | 0.086 | 230.058 | 4.222 | 0.086 | 198.81 | 3.656 | 0.086 | 0.125 | 0.0 | 0.086 | 0.123 | 0.0 |
| 10 | 12990 | 12991 | SN | 1 | -34.928 | 21.336 | 0.0 | -34.991 | 21.926 | 0.0 | 1.97 | 22.5 | 0.039 | 2.149 | 22.944 | 0.053 | 0.086 | 230.397 | 4.133 | 0.086 | 241.287 | 3.597 | 0.086 | 0.125 | 0.0 | 0.086 | 0.123 | 0.0 |
| 11 | 12991 | 12992 | SN | 1 | -34.977 | 20.752 | 0.0 | -33.986 | 21.371 | 0.0 | 1.515 | 22.879 | 0.06 | 1.946 | 22.58 | 0.052 | 0.086 | 239.256 | 1.669 | 0.086 | 185.468 | 1.436 | 0.086 | 0.129 | 0.0 | 0.086 | 0.125 | 0.0 |
| 12 | 12991 | 12992 | SN | 1 | -34.926 | 20.752 | 0.0 | -34.026 | 21.371 | 0.0 | 1.515 | 22.879 | 0.06 | 1.946 | 22.58 | 0.052 | 0.086 | 238.29 | 1.67 | 0.086 | 187.22 | 1.441 | 0.086 | 0.129 | 0.0 | 0.086 | 0.125 | 0.0 |
| 13 | 12991 | 12992 | NS | 1 | -34.779 | 20.414 | 0.0 | -34.625 | 20.285 | 0.0 | -8.948 | 22.494 | 0.017 | -22.094 | 23.25 | 0.078 | 0.086 | 222.637 | 6.033 | 0.086 | 220.354 | 6.841 | 0.086 | 0.648 | 0.0 | 0.086 | 12.059 | 0.036 |
| 14 | 12991 | 12992 | SN | 1 | -34.977 | 20.752 | 0.0 | -33.986 | 21.371 | 0.0 | 1.515 | 22.879 | 0.06 | 1.946 | 22.58 | 0.052 | 0.086 | 239.256 | 1.654 | 0.086 | 185.468 | 1.427 | 0.086 | 0.129 | 0.0 | 0.086 | 0.125 | 0.0 |
| 15 | 12992 | 12993 | NS | 1 | -30.818 | 20.459 | 0.0 | -34.52 | 20.679 | 0.0 | -24.302 | 22.74 | 0.013 | -29.981 | 23.358 | 0.042 | 0.086 | 89.453 | 1.842 | 0.086 | 209.764 | 1.809 | 0.086 | 20.005 | 0.019 | 0.086 | 73.796 | 0.042 |
| 16 | 12992 | 12993 | SN | 1 | -34.694 | 18.782 | 0.0 | -34.827 | 19.55 | 0.0 | 0.848 | 22.319 | 0.04 | 1.903 | 22.583 | 0.117 | 0.086 | 225.862 | 3.626 | 0.086 | 225.144 | 3.849 | 0.086 | 0.137 | 0.0 | 0.086 | 0.125 | 0.0 |
| 17 | 12992 | 12993 | SN | 1 | -34.694 | 18.782 | 0.0 | -34.827 | 19.55 | 0.0 | 0.848 | 22.319 | 0.04 | 1.903 | 22.583 | 0.122 | 0.086 | 225.862 | 3.711 | 0.086 | 225.144 | 3.915 | 0.086 | 0.137 | 0.0 | 0.086 | 0.125 | 0.0 |
| 18 | 12992 | 12993 | NS | 2 | -34.292 | 20.459 | 0.0 | -34.52 | 20.679 | 0.0 | -24.302 | 22.738 | 0.013 | -29.981 | 23.358 | 0.042 | 0.086 | 199.036 | 1.844 | 0.086 | 209.764 | 1.809 | 0.086 | 20.005 | 0.019 | 0.086 | 73.796 | 0.042 |
| 19 | 12992 | 12993 | SN | 1 | -34.694 | 18.782 | 0.0 | -34.827 | 19.55 | 0.0 | 0.848 | 22.319 | 0.04 | 1.903 | 22.583 | 0.117 | 0.086 | 225.862 | 3.626 | 0.086 | 225.144 | 3.849 | 0.086 | 0.137 | 0.0 | 0.086 | 0.125 | 0.0 |
| 20 | 12993 | 12994 | SN | 1 | -34.878 | 18.88 | 0.0 | -34.886 | 19.199 | 0.0 | -4.051 | 22.817 | 0.023 | 2.287 | 22.22 | 0.039 | 0.086 | 227.8 | 3.833 | 0.086 | 228.234 | 3.1 | 0.086 | 0.258 | 0.0 | 0.086 | 0.122 | 0.0 |
| 21 | 12993 | 12994 | NS | 1 | -32.604 | 20.968 | 0.0 | -34.029 | 20.899 | 0.0 | -19.741 | 22.707 | 0.012 | -11.358 | 22.93 | 0.043 | 0.086 | 134.968 | 1.456 | 0.086 | 187.381 | 1.659 | 0.086 | 7.04 | 0.015 | 0.086 | 1.078 | 0.003 |
| 22 | 12993 | 12994 | NS | 2 | -32.604 | 20.968 | 0.0 | -33.888 | 20.899 | 0.0 | -19.741 | 22.707 | 0.012 | -11.358 | 22.93 | 0.043 | 0.086 | 134.968 | 1.458 | 0.086 | 181.402 | 1.659 | 0.086 | 7.041 | 0.015 | 0.086 | 1.078 | 0.003 |
| 23 | 12993 | 12994 | SN | 1 | -34.878 | 18.88 | 0.0 | -34.886 | 19.199 | 0.0 | -4.051 | 22.817 | 0.022 | 2.287 | 22.22 | 0.037 | 0.086 | 227.8 | 3.784 | 0.086 | 228.234 | 3.054 | 0.086 | 0.258 | 0.0 | 0.086 | 0.122 | 0.0 |
| 24 | 12994 | 12995 | SN | 1 | -34.902 | 18.267 | 0.0 | -34.51 | 18.41 | 0.0 | -0.08 | 22.44 | 0.014 | 2.833 | 22.201 | 0.015 | 0.086 | 229.055 | 3.595 | 0.086 | 209.27 | 3.329 | 0.086 | 0.15 | 0.0 | 0.086 | 0.117 | 0.0 |
| 25 | 12994 | 12995 | NS | 1 | -34.126 | 20.572 | 0.0 | -34.928 | 20.331 | 0.0 | -28.002 | 22.398 | 0.01 | -24.325 | 22.552 | 0.062 | 0.086 | 191.601 | 3.01 | 0.086 | 230.452 | 2.978 | 0.086 | 46.81 | 0.138 | 0.086 | 20.115 | 0.033 |
| 26 | 12994 | 12995 | SN | 2 | -34.902 | 18.267 | 0.0 | -34.51 | 18.41 | 0.0 | -0.08 | 22.44 | 0.014 | 2.833 | 22.201 | 0.015 | 0.086 | 229.055 | 3.595 | 0.086 | 209.27 | 3.329 | 0.086 | 0.15 | 0.0 | 0.086 | 0.117 | 0.0 |
| 27 | 12994 | 12995 | NS | 1 | -34.479 | 20.574 | 0.0 | -34.436 | 20.331 | 0.0 | -28.358 | 22.398 | 0.01 | -26.885 | 22.552 | 0.062 | 0.086 | 207.838 | 3.019 | 0.086 | 205.711 | 2.976 | 0.086 | 50.814 | 0.138 | 0.086 | 36.214 | 0.033 |
| 28 | 12995 | 12996 | SN | 1 | -34.168 | 18.239 | 0.0 | -34.929 | 17.896 | 0.0 | -0.128 | 23.634 | 0.422 | 0.454 | 23.702 | 0.756 | 0.086 | 193.441 | 4.111 | 0.086 | 230.503 | 3.873 | 0.086 | 0.151 | 0.0 | 0.086 | 0.142 | 0.0 |
| 29 | 12995 | 12996 | SN | 1 | -34.168 | 18.239 | 0.0 | -34.929 | 17.896 | 0.0 | -0.128 | 23.634 | 0.393 | 0.454 | 23.702 | 0.753 | 0.086 | 193.441 | 3.855 | 0.086 | 230.503 | 3.463 | 0.086 | 0.151 | 0.0 | 0.086 | 0.142 | 0.0 |
| 30 | 12995 | 12996 | SN | 1 | -34.168 | 18.239 | 0.0 | -34.929 | 17.896 | 0.0 | -0.128 | 23.634 | 0.393 | 0.454 | 23.702 | 0.753 | 0.086 | 193.441 | 3.855 | 0.086 | 230.503 | 3.464 | 0.086 | 0.151 | 0.0 | 0.086 | 0.142 | 0.0 |
| 31 | 12995 | 12996 | NS | 1 | -33.721 | 20.616 | 0.0 | -34.767 | 21.522 | 0.0 | -6.687 | 22.647 | 0.032 | -1.754 | 26.134 | 0.186 | 0.086 | 174.547 | 1.031 | 0.086 | 222.059 | 1.084 | 0.086 | 0.413 | 0.0 | 0.086 | 0.184 | 0.0 |
| 32 | 12995 | 12996 | NS | 1 | -34.963 | 20.617 | 0.0 | -34.226 | 21.453 | 0.0 | -0.795 | 22.678 | 0.043 | -1.85 | 25.902 | 0.074 | 0.086 | 232.307 | 0.957 | 0.086 | 202.786 | 0.89 | 0.086 | 0.163 | 0.0 | 0.086 | 0.186 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|
| 33 | 12996 | 12997 | SN | 1 | -34.934 | 21.112 | 0.0 | -34.694 | 20.905 | 0.0 | -10.448 | 23.365 | 0.269 | -9.678 | 23.9 | 0.796 | 0.086 | 230.762 | 6.688 | 0.086 | 218.35 | 5.939 | 0.086 | 0.887 | 0.0 | 0.086 | 0.753 | 0.0 |
| 34 | 12996 | 12997 | SN | 1 | -34.47 | 21.112 | 0.0 | -34.526 | 20.905 | 0.0 | -10.448 | 23.365 | 0.293 | -9.686 | 23.9 | 0.713 | 0.086 | 207.384 | 7.224 | 0.086 | 209.998 | 6.996 | 0.086 | 0.887 | 0.0 | 0.086 | 0.755 | 0.0 |
| 35 | 12996 | 12997 | SN | 1 | -34.47 | 21.112 | 0.0 | -34.526 | 20.905 | 0.0 | -10.448 | 23.365 | 0.269 | -9.686 | 23.9 | 0.796 | 0.086 | 207.384 | 6.707 | 0.086 | 209.998 | 5.947 | 0.086 | 0.887 | 0.0 | 0.086 | 0.755 | 0.0 |
| 36 | 12996 | 12997 | NS | 1 | -34.563 | 21.309 | 0.0 | -34.834 | 21.572 | 0.0 | -5.98 | 22.853 | 0.08 | -12.914 | 23.892 | 0.576 | 0.086 | 211.802 | 2.114 | 0.086 | 225.477 | 2.072 | 0.086 | 0.362 | 0.0 | 0.086 | 1.514 | 0.002 |
| 37 | 12996 | 12997 | NS | 2 | -34.472 | 21.309 | 0.0 | -34.834 | 21.572 | 0.0 | -5.982 | 22.853 | 0.08 | -12.923 | 23.892 | 0.576 | 0.086 | 207.444 | 2.113 | 0.086 | 225.477 | 2.072 | 0.086 | 0.362 | 0.0 | 0.086 | 1.516 | 0.002 |
| 38 | 12997 | 12998 | NS | 1 | -34.691 | 21.241 | 0.0 | -34.158 | 22.668 | 0.001 | 0.611 | 22.783 | 0.12 | 0.764 | 24.567 | 1.636 | 0.086 | 218.223 | 4.902 | 0.086 | 192.941 | 4.626 | 0.086 | 0.14 | 0.0 | 0.086 | 0.138 | 0.0 |
| 39 | 12997 | 12998 | SN | 1 | -34.936 | 20.644 | 0.0 | -34.722 | 21.448 | 0.0 | -20.558 | 23.343 | 0.264 | -6.797 | 23.241 | 0.284 | 0.086 | 230.824 | 4.972 | 0.086 | 219.748 | 3.981 | 0.086 | 8.486 | 0.023 | 0.086 | 0.422 | 0.0 |
| 40 | 12997 | 12998 | SN | 1 | -34.936 | 20.644 | 0.0 | -34.722 | 21.448 | 0.0 | -20.558 | 23.343 | 0.264 | -6.797 | 23.241 | 0.284 | 0.086 | 230.824 | 4.972 | 0.086 | 219.748 | 3.981 | 0.086 | 8.486 | 0.023 | 0.086 | 0.422 | 0.0 |
| 41 | 12998 | 12999 | NS | 2 | -34.631 | 22.189 | 0.001 | -34.487 | 19.265 | 0.0 | 0.342 | 22.395 | 0.029 | -2.752 | 23.855 | 1.234 | 0.086 | 215.176 | 2.603 | 0.086 | 213.442 | 2.739 | 0.086 | 0.144 | 0.0 | 0.086 | 0.211 | 0.0 |
| 42 | 12998 | 12999 | NS | 1 | -34.631 | 22.189 | 0.001 | -34.487 | 19.265 | 0.0 | 0.342 | 22.395 | 0.029 | -2.752 | 23.855 | 1.234 | 0.086 | 215.176 | 2.603 | 0.086 | 213.442 | 2.739 | 0.086 | 0.144 | 0.0 | 0.086 | 0.211 | 0.0 |
| 43 | 12998 | 12999 | SN | 1 | -34.612 | 21.706 | 0.0 | -34.328 | 21.678 | 0.0 | -29.852 | 24.186 | 0.315 | -24.107 | 23.656 | 0.312 | 0.086 | 214.26 | 5.709 | 0.086 | 200.685 | 4.704 | 0.086 | 71.651 | 0.075 | 0.086 | 19.133 | 0.052 |
| 44 | 12999 | 13000 | NS | 1 | -34.604 | 18.36 | 0.0 | -34.352 | 18.857 | 0.0 | 0.563 | 22.328 | 0.034 | -7.328 | 23.997 | 1.233 | 0.086 | 213.902 | 2.32 | 0.086 | 201.825 | 1.982 | 0.086 | 0.141 | 0.0 | 0.086 | 0.468 | 0.0 |
| 45 | 12999 | 13000 | NS | 1 | -34.604 | 18.36 | 0.0 | -34.586 | 18.857 | 0.0 | 0.563 | 22.328 | 0.034 | -7.328 | 23.997 | 1.233 | 0.086 | 213.902 | 2.32 | 0.086 | 212.945 | 1.982 | 0.086 | 0.141 | 0.0 | 0.086 | 0.468 | 0.0 |
| 46 | 12999 | 13000 | SN | 1 | -34.807 | 21.414 | 0.0 | -34.04 | 21.907 | 0.0 | -32.692 | 23.181 | 0.21 | -33.158 | 23.906 | 0.216 | 0.086 | 224.124 | 1.493 | 0.086 | 187.835 | 1.44 | 0.086 | 137.727 | 0.035 | 0.086 | 153.304 | 0.049 |
| 47 | 13000 | 13001 | SN | 1 | -34.162 | 21.053 | 0.0 | -34.898 | 21.061 | 0.0 | -18.024 | 23.176 | 0.274 | -10.507 | 23.88 | 0.346 | 0.086 | 193.15 | 2.078 | 0.086 | 228.833 | 1.802 | 0.086 | 4.762 | 0.004 | 0.086 | 0.898 | 0.0 |
| 48 | 13000 | 13001 | NS | 1 | -33.871 | 19.8 | 0.0 | -34.57 | 21.108 | 0.0 | 6.139 | 22.724 | 0.047 | 6.286 | 23.371 | 1.226 | 0.086 | 180.64 | 2.894 | 0.086 | 212.183 | 2.944 | 0.086 | 0.1 | 0.0 | 0.086 | 0.099 | 0.0 |
| 49 | 13000 | 13001 | SN | 2 | -34.162 | 21.053 | 0.0 | -34.898 | 21.061 | 0.0 | -18.024 | 23.176 | 0.274 | -10.507 | 23.88 | 0.346 | 0.086 | 193.15 | 2.078 | 0.086 | 228.833 | 1.802 | 0.086 | 4.762 | 0.004 | 0.086 | 0.898 | 0.0 |
| 50 | 13000 | 13001 | NS | 1 | -34.699 | 19.8 | 0.0 | -34.386 | 21.108 | 0.0 | 6.14 | 22.724 | 0.047 | 6.287 | 23.371 | 1.226 | 0.086 | 218.543 | 2.89 | 0.086 | 203.38 | 2.948 | 0.086 | 0.1 | 0.0 | 0.086 | 0.099 | 0.0 |
| 51 | 13000 | 13001 | NS | 1 | -34.699 | 19.8 | 0.0 | -34.778 | 21.108 | 0.0 | 6.23 | 22.724 | 0.058 | 6.306 | 23.372 | 1.476 | 0.086 | 218.543 | 2.887 | 0.086 | 222.6 | 2.948 | 0.086 | 0.099 | 0.0 | 0.086 | 0.099 | 0.0 |
| 52 | 13001 | 13002 | SN | 2 | -33.293 | 20.76 | 0.0 | -34.665 | 21.106 | 0.0 | -23.997 | 23.358 | 0.494 | -18.757 | 23.269 | 1.094 | 0.086 | 158.146 | 1.832 | 0.086 | 216.899 | 1.748 | 0.086 | 19.132 | 0.033 | 0.086 | 5.626 | 0.018 |
| 53 | 13001 | 13002 | NS | 1 | -34.99 | 22.976 | 0.005 | -34.902 | 19.157 | 0.0 | 1.235 | 22.483 | 0.102 | -7.22 | 23.631 | 1.612 | 0.086 | 233.729 | 3.042 | 0.086 | 229.032 | 3.166 | 0.086 | 0.132 | 0.0 | 0.086 | 0.458 | 0.0 |
| 54 | 13001 | 13002 | SN | 1 | -33.293 | 20.76 | 0.0 | -34.665 | 21.106 | 0.0 | -23.997 | 23.358 | 0.494 | -18.757 | 23.269 | 1.094 | 0.086 | 158.146 | 1.832 | 0.086 | 216.899 | 1.748 | 0.086 | 19.132 | 0.033 | 0.086 | 5.626 | 0.018 |
| 55 | 13001 | 13002 | NS | 2 | -34.99 | 22.976 | 0.005 | -34.902 | 19.154 | 0.0 | 1.233 | 22.483 | 0.065 | -7.148 | 23.651 | 1.376 | 0.086 | 233.729 | 3.04 | 0.086 | 229.032 | 3.167 | 0.086 | 0.132 | 0.0 | 0.086 | 0.451 | 0.0 |
| 56 | 13001 | 13002 | NS | 1 | -34.99 | 22.976 | 0.005 | -34.902 | 19.154 | 0.0 | 1.233 | 22.483 | 0.065 | -7.148 | 23.651 | 1.376 | 0.086 | 233.729 | 3.04 | 0.086 | 229.032 | 3.167 | 0.086 | 0.132 | 0.0 | 0.086 | 0.451 | 0.0 |
| 57 | 13002 | 13003 | SN | 1 | -33.743 | 20.391 | 0.0 | -34.83 | 20.767 | 0.0 | 2.876 | 23.185 | 0.277 | 3.858 | 23.321 | 0.816 | 0.086 | 175.383 | 2.724 | 0.086 | 225.319 | 2.149 | 0.086 | 0.117 | 0.0 | 0.086 | 0.11 | 0.0 |
| 58 | 13002 | 13003 | SN | 1 | -33.458 | 20.391 | 0.0 | -34.83 | 20.767 | 0.0 | 2.876 | 23.185 | 0.22 | 3.858 | 23.315 | 0.808 | 0.086 | 164.309 | 2.852 | 0.086 | 225.319 | 2.384 | 0.086 | 0.117 | 0.0 | 0.086 | 0.11 | 0.0 |
| 59 | 13002 | 13003 | NS | 2 | -34.953 | 20.414 | 0.0 | -34.945 | 21.465 | 0.0 | -20.054 | 23.164 | 0.453 | 2.219 | 23.563 | 1.394 | 0.086 | 231.704 | 1.211 | 0.086 | 231.301 | 1.453 | 0.086 | 7.562 | 0.004 | 0.086 | 0.122 | 0.0 |
| 60 | 13002 | 13003 | NS | 1 | -34.953 | 20.414 | 0.0 | -34.945 | 21.465 | 0.0 | -20.054 | 23.164 | 0.453 | 2.219 | 23.563 | 1.394 | 0.086 | 231.704 | 1.211 | 0.086 | 231.301 | 1.453 | 0.086 | 7.562 | 0.004 | 0.086 | 0.122 | 0.0 |
| 61 | 13002 | 13003 | SN | 1 | -34.925 | 20.391 | 0.0 | -34.79 | 20.767 | 0.0 | 2.876 | 23.185 | 0.265 | 3.858 | 23.321 | 1.124 | 0.086 | 230.209 | 2.452 | 0.086 | 223.219 | 1.927 | 0.086 | 0.117 | 0.0 | 0.086 | 0.11 | 0.0 |
| 62 | 13002 | 13003 | NS | 1 | -34.861 | 19.109 | 0.0 | -34.945 | 21.466 | 0.0 | -20.054 | 21.751 | 0.0 | 2.219 | 21.217 | 0.0 | 0.086 | 226.9 | 1.252 | 0.086 | 231.301 | 1.456 | 0.086 | 7.562 | 0.006 | 0.086 | 0.122 | 0.0 |
| 63 | 13003 | 13004 | SN | 2 | -33.092 | 21.267 | 0.0 | -34.445 | 22.129 | 0.001 | -0.878 | 22.69 | 0.026 | 3.348 | 23.315 | 0.032 | 0.086 | 150.998 | 1.777 | 0.086 | 206.216 | 1.54 | 0.086 | 0.165 | 0.0 | 0.086 | 0.114 | 0.0 |
| 64 | 13003 | 13004 | NS | 1 | -33.796 | 21.541 | 0.0 | -34.513 | 21.131 | 0.0 | 0.82 | 24.243 | 0.346 | -0.153 | 23.71 | 0.61 | 0.086 | 177.511 | 3.659 | 0.086 | 209.42 | 3.824 | 0.086 | 0.138 | 0.0 | 0.086 | 0.152 | 0.0 |
| 65 | 13003 | 13004 | NS | 1 | -33.796 | 21.541 | 0.0 | -34.979 | 21.131 | 0.0 | 0.82 | 24.243 | 0.344 | -0.153 | 23.71 | 0.603 | 0.086 | 177.511 | 3.66 | 0.086 | 233.097 | 3.825 | 0.086 | 0.138 | 0.0 | 0.086 | 0.152 | 0.0 |
| 66 | 13003 | 13004 | SN | 1 | -33.092 | 21.267 | 0.0 | -34.445 | 22.129 | 0.001 | -0.878 | 22.69 | 0.026 | 3.348 | 23.315 | 0.032 | 0.086 | 150.998 | 1.777 | 0.086 | 206.216 | 1.54 | 0.086 | 0.165 | 0.0 | 0.086 | 0.114 | 0.0 |
| 67 | 13003 | 13004 | SN | 1 | -33.092 | 21.267 | 0.0 | -34.445 | 22.129 | 0.002 | -0.878 | 22.69 | 0.025 | 3.35 | 23.315 | 0.032 | 0.086 | 150.998 | 1.85 | 0.086 | 206.216 | 1.715 | 0.086 | 0.165 | 0.0 | 0.086 | 0.114 | 0.0 |
| 68 | 13004 | 13005 | SN | 1 | -34.125 | 21.753 | 0.0 | -34.926 | 21.94 | 0.0 | -1.865 | 22.896 | 0.043 | -1.816 | 23.368 | 0.073 | 0.086 | 191.549 | 5.401 | 0.086 | 230.336 | 4.36 | 0.086 | 0.186 | 0.0 | 0.086 | 0.185 | 0.0 |
| 69 | 13004 | 13005 | SN | 1 | -34.125 | 21.753 | 0.0 | -34.926 | 21.94 | 0.0 | -1.865 | 22.896 | 0.043 | -1.816 | 23.368 | 0.073 | 0.086 | 191.549 | 5.242 | 0.086 | 230.336 | 4.245 | 0.086 | 0.186 | 0.0 | 0.086 | 0.185 | 0.0 |

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

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|---------|--------|-------|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 70 | 13004 | 13005 | NS | 1 | -34.323 | 21.361 | 0.0 | -34.874 | 21.12 | 0.0 | -3.733 | 22.774 | 0.016 | -2.995 | 24.147 | 0.118 | 0.086 | 200.476 | 3.463 | 0.086 | 227.555 | 4.063 | 0.086 | 0.245 | 0.0 | 0.086 | 0.219 | 0.0 |
| 71 | 13004 | 13005 | SN | 1 | -34.125 | 21.753 | 0.0 | -34.926 | 21.94 | 0.0 | -1.865 | 22.896 | 0.043 | -1.816 | 23.368 | 0.073 | 0.086 | 191.549 | 5.242 | 0.086 | 230.336 | 4.245 | 0.086 | 0.186 | 0.0 | 0.086 | 0.185 | 0.0 |
| 72 | 13004 | 13005 | NS | 1 | -34.287 | 21.361 | 0.0 | -34.874 | 21.12 | 0.0 | -3.733 | 22.774 | 0.016 | -2.995 | 24.147 | 0.118 | 0.086 | 198.845 | 3.451 | 0.086 | 227.555 | 4.061 | 0.086 | 0.245 | 0.0 | 0.086 | 0.219 | 0.0 |
| 73 | 13005 | 13006 | NS | 1 | -34.242 | 20.114 | 0.0 | -34.606 | 20.644 | 0.0 | -21.618 | 23.796 | 0.027 | -30.991 | 23.368 | 0.115 | 0.086 | 196.757 | 2.86 | 0.086 | 213.942 | 3.617 | 0.086 | 10.811 | 0.007 | 0.086 | 93.105 | 0.066 |
| 74 | 13005 | 13006 | SN | 1 | -34.73 | 20.753 | 0.0 | -33.734 | 21.567 | 0.0 | -1.848 | 22.913 | 0.104 | 0.924 | 22.982 | 0.187 | 0.086 | 220.131 | 2.593 | 0.086 | 176.628 | 2.045 | 0.086 | 0.186 | 0.0 | 0.086 | 0.136 | 0.0 |
| 75 | 13005 | 13006 | SN | 1 | -34.73 | 20.753 | 0.0 | -33.734 | 21.567 | 0.0 | -1.848 | 22.913 | 0.104 | 0.924 | 22.982 | 0.187 | 0.086 | 220.131 | 2.593 | 0.086 | 176.628 | 2.045 | 0.086 | 0.186 | 0.0 | 0.086 | 0.136 | 0.0 |
| 76 | 13005 | 13006 | SN | 2 | -34.73 | 20.753 | 0.0 | -33.734 | 21.567 | 0.0 | -1.848 | 22.913 | 0.104 | 0.924 | 22.982 | 0.187 | 0.086 | 220.131 | 2.593 | 0.086 | 176.628 | 2.045 | 0.086 | 0.186 | 0.0 | 0.086 | 0.136 | 0.0 |
| 77 | 13005 | 13006 | NS | 1 | -33.916 | 20.114 | 0.0 | -34.722 | 20.644 | 0.0 | -20.98 | 23.796 | 0.027 | -22.717 | 23.368 | 0.115 | 0.086 | 182.526 | 2.863 | 0.086 | 219.788 | 3.619 | 0.086 | 9.346 | 0.007 | 0.086 | 13.908 | 0.064 |
| 78 | 13006 | 13007 | NS | 1 | -34.974 | 20.422 | 0.0 | -34.037 | 20.934 | 0.0 | -28.342 | 22.617 | 0.006 | -28.429 | 22.831 | 0.067 | 0.086 | 232.861 | 4.501 | 0.086 | 187.67 | 4.921 | 0.086 | 50.632 | 0.109 | 0.086 | 51.642 | 0.072 |
| 79 | 13006 | 13007 | NS | 1 | -34.459 | 20.422 | 0.0 | -34.651 | 20.933 | 0.0 | -27.812 | 22.619 | 0.006 | -29.162 | 22.831 | 0.067 | 0.086 | 206.859 | 4.492 | 0.086 | 216.146 | 4.918 | 0.086 | 44.816 | 0.107 | 0.086 | 61.135 | 0.072 |
| 80 | 13006 | 13007 | SN | 1 | -34.193 | 20.97 | 0.0 | -33.944 | 21.324 | 0.0 | 0.539 | 22.839 | 0.074 | 1.778 | 22.367 | 0.047 | 0.086 | 194.556 | 1.075 | 0.086 | 183.747 | 0.948 | 0.086 | 0.141 | 0.0 | 0.086 | 0.126 | 0.0 |
| 81 | 13006 | 13007 | SN | 2 | -34.193 | 20.97 | 0.0 | -33.944 | 21.324 | 0.0 | 0.539 | 22.839 | 0.074 | 1.778 | 22.367 | 0.047 | 0.086 | 194.556 | 1.068 | 0.086 | 183.747 | 0.944 | 0.086 | 0.141 | 0.0 | 0.086 | 0.126 | 0.0 |
| 82 | 13006 | 13007 | SN | 1 | -34.193 | 20.97 | 0.0 | -33.944 | 21.324 | 0.0 | 0.539 | 22.839 | 0.074 | 1.778 | 22.367 | 0.047 | 0.086 | 194.556 | 1.068 | 0.086 | 183.747 | 0.944 | 0.086 | 0.141 | 0.0 | 0.086 | 0.126 | 0.0 |
| 83 | 13007 | 13008 | NS | 1 | -34.018 | 19.872 | 0.0 | -33.088 | 20.512 | 0.0 | -9.416 | 22.817 | 0.041 | -18.304 | 22.86 | 0.079 | 0.086 | 186.906 | 2.81 | 0.086 | 150.898 | 2.771 | 0.086 | 0.713 | 0.0 | 0.086 | 5.075 | 0.001 |
| 84 | 13007 | 13008 | SN | 1 | -34.892 | 19.253 | 0.0 | -34.932 | 19.428 | 0.0 | 0.964 | 22.192 | 0.048 | 2.216 | 22.774 | 0.241 | 0.086 | 228.55 | 2.447 | 0.086 | 230.678 | 2.207 | 0.086 | 0.136 | 0.0 | 0.086 | 0.122 | 0.0 |
| 85 | 13007 | 13008 | SN | 1 | -34.73 | 19.253 | 0.0 | -34.448 | 19.428 | 0.0 | 0.964 | 22.192 | 0.048 | 2.216 | 22.774 | 0.241 | 0.086 | 220.159 | 2.445 | 0.086 | 206.296 | 2.205 | 0.086 | 0.136 | 0.0 | 0.086 | 0.122 | 0.0 |
| 86 | 13007 | 13008 | NS | 2 | -34.018 | 19.872 | 0.0 | -33.088 | 20.512 | 0.0 | -9.416 | 22.817 | 0.041 | -18.304 | 22.86 | 0.079 | 0.086 | 186.906 | 2.81 | 0.086 | 150.898 | 2.771 | 0.086 | 0.713 | 0.0 | 0.086 | 5.075 | 0.001 |
| 87 | 13007 | 13008 | SN | 1 | -34.73 | 19.253 | 0.0 | -34.448 | 19.428 | 0.0 | 0.964 | 22.192 | 0.048 | 2.216 | 22.774 | 0.258 | 0.086 | 220.159 | 2.502 | 0.086 | 206.296 | 2.251 | 0.086 | 0.136 | 0.0 | 0.086 | 0.122 | 0.0 |
| 88 | 13008 | 13009 | NS | 2 | -34.269 | 21.544 | 0.0 | -34.574 | 18.213 | 0.0 | -18.024 | 22.133 | 0.006 | -13.726 | 22.772 | 0.071 | 0.086 | 197.97 | 2.778 | 0.086 | 212.399 | 3.133 | 0.086 | 4.762 | 0.017 | 0.086 | 1.811 | 0.009 |
| 89 | 13008 | 13009 | NS | 1 | -34.269 | 21.544 | 0.0 | -34.574 | 18.213 | 0.0 | -18.024 | 22.133 | 0.006 | -13.726 | 22.772 | 0.071 | 0.086 | 197.97 | 2.778 | 0.086 | 212.399 | 3.133 | 0.086 | 4.762 | 0.017 | 0.086 | 1.811 | 0.009 |
| 90 | 13008 | 13009 | SN | 1 | -34.645 | 19.434 | 0.0 | -34.747 | 18.993 | 0.0 | -6.126 | 22.071 | 0.005 | 1.242 | 22.124 | 0.015 | 0.086 | 215.895 | 3.951 | 0.086 | 221.04 | 3.52 | 0.086 | 0.372 | 0.0 | 0.086 | 0.132 | 0.0 |
| 91 | 13008 | 13009 | SN | 1 | -34.875 | 19.434 | 0.0 | -34.917 | 18.993 | 0.0 | -6.118 | 22.071 | 0.005 | 1.241 | 22.124 | 0.015 | 0.086 | 227.643 | 3.941 | 0.086 | 229.823 | 3.51 | 0.086 | 0.371 | 0.0 | 0.086 | 0.132 | 0.0 |
| 92 | 13008 | 13009 | SN | 1 | -34.875 | 19.434 | 0.0 | -34.917 | 18.993 | 0.0 | -6.118 | 22.071 | 0.005 | 1.241 | 22.124 | 0.015 | 0.086 | 227.643 | 4.005 | 0.086 | 229.823 | 3.593 | 0.086 | 0.371 | 0.0 | 0.086 | 0.132 | 0.0 |
| 93 | 13009 | 13010 | SN | 1 | -34.976 | 17.537 | 0.0 | -34.759 | 16.886 | 0.0 | 0.429 | 23.62 | 0.36 | 5.218 | 23.423 | 0.386 | 0.087 | 233.006 | 3.29 | 0.087 | 221.636 | 2.738 | 0.086 | 0.143 | 0.0 | 0.086 | 0.103 | 0.0 |
| 94 | 13009 | 13010 | NS | 1 | -34.66 | 21.111 | 0.0 | -33.966 | 21.728 | 0.0 | -18.157 | 22.594 | 0.046 | -29.999 | 22.667 | 0.156 | 0.086 | 216.629 | 2.291 | 0.086 | 184.633 | 2.025 | 0.086 | 4.91 | 0.092 | 0.086 | 74.102 | 0.143 |
| 95 | 13009 | 13010 | SN | 2 | -34.976 | 17.537 | 0.0 | -34.759 | 16.886 | 0.0 | 0.429 | 23.62 | 0.36 | 5.218 | 23.423 | 0.386 | 0.087 | 233.006 | 3.29 | 0.087 | 221.636 | 2.738 | 0.086 | 0.143 | 0.0 | 0.086 | 0.103 | 0.0 |
| 96 | 13009 | 13010 | SN | 1 | -34.976 | 17.537 | 0.0 | -34.759 | 16.886 | 0.0 | 0.429 | 23.62 | 0.386 | 5.218 | 23.423 | 0.387 | 0.087 | 233.006 | 3.37 | 0.087 | 221.636 | 2.879 | 0.086 | 0.143 | 0.0 | 0.086 | 0.103 | 0.0 |
| 97 | 13009 | 13010 | NS | 1 | -34.636 | 21.111 | 0.0 | -33.868 | 21.728 | 0.0 | -18.154 | 22.596 | 0.046 | -29.994 | 22.667 | 0.156 | 0.086 | 215.376 | 2.295 | 0.086 | 180.561 | 2.033 | 0.086 | 4.906 | 0.092 | 0.086 | 74.04 | 0.143 |
| 98 | 13010 | 13011 | SN | 1 | -34.58 | 19.943 | 0.0 | -34.874 | 18.673 | 0.0 | -15.488 | 23.685 | 0.589 | -7.883 | 26.349 | 1.134 | 0.086 | 220.031 | 4.337 | 0.086 | 227.557 | 3.553 | 0.086 | 2.778 | 0.003 | 0.086 | 0.54 | 0.0 |
| 99 | 13010 | 13011 | NS | 1 | -34.144 | 21.129 | 0.0 | -34.85 | 21.545 | 0.0 | -18.534 | 22.805 | 0.042 | -2.419 | 23.54 | 0.261 | 0.086 | 192.366 | 1.8 | 0.086 | 226.33 | 1.699 | 0.086 | 5.35 | 0.003 | 0.086 | 0.201 | 0.0 |
| 100 | 13010 | 13011 | NS | 1 | -34.861 | 21.129 | 0.0 | -34.85 | 21.545 | 0.0 | -18.533 | 22.805 | 0.042 | -2.419 | 23.54 | 0.261 | 0.086 | 226.898 | 1.804 | 0.086 | 226.33 | 1.7 | 0.086 | 5.347 | 0.003 | 0.086 | 0.201 | 0.0 |
| 101 | 13010 | 13011 | SN | 1 | -34.58 | 19.943 | 0.0 | -34.874 | 18.673 | 0.0 | -15.25 | 23.685 | 0.549 | -7.883 | 26.349 | 1.137 | 0.086 | 220.031 | 4.018 | 0.086 | 227.557 | 3.024 | 0.086 | 2.545 | 0.003 | 0.086 | 0.54 | 0.0 |
| 102 | 13010 | 13011 | SN | 1 | -34.58 | 19.943 | 0.0 | -34.874 | 18.673 | 0.0 | -15.25 | 23.685 | 0.549 | -7.883 | 26.349 | 1.137 | 0.086 | 220.031 | 4.018 | 0.086 | 227.557 | 3.024 | 0.086 | 2.546 | 0.003 | 0.086 | 0.54 | 0.0 |
| 103 | 13011 | 13012 | NS | 1 | -34.554 | 22.39 | 0.006 | -34.414 | 21.343 | 0.0 | -6.274 | 23.097 | 0.072 | -10.324 | 23.986 | 1.019 | 0.086 | 211.395 | 2.632 | 0.086 | 204.71 | 2.741 | 0.086 | 0.382 | 0.0 | 0.086 | 0.864 | 0.0 |
| 104 | 13011 | 13012 | NS | 1 | -34.974 | 22.39 | 0.006 | -34.68 | 21.343 | 0.0 | -6.271 | 23.096 | 0.072 | -10.324 | 23.986 | 1.018 | 0.086 | 232.858 | 2.63 | 0.086 | 217.636 | 2.744 | 0.086 | 0.382 | 0.0 | 0.086 | 0.864 | 0.0 |
| 105 | 13011 | 13012 | SN | 1 | -33.398 | 20.678 | 0.0 | -34.837 | 21.581 | 0.0 | -22.021 | 23.295 | 0.276 | -16.121 | 23.852 | 0.635 | 0.086 | 162.027 | 2.996 | 0.086 | 225.625 | 2.839 | 0.086 | 11.861 | 0.048 | 0.086 | 3.096 | 0.014 |
| 106 | 13011 | 13012 | SN | 2 | -33.398 | 20.678 | 0.0 | -34.837 | 21.581 | 0.0 | -22.021 | 23.295 | 0.276 | -16.121 | 23.852 | 0.635 | 0.086 | 162.027 | 2.996 | 0.086 | 225.625 | 2.839 | 0.086 | 11.861 | 0.048 | 0.086 | 3.096 | 0.014 |

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

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|  Normal |  Deviations |
|  Alarming |  High Errors |

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|-----|-------|-------|----|---|---------|--------|-----|---------|--------|-------|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 107 | 13012 | 13013 | SN | 1 | -34.984 | 21.519 | 0.0 | -34.998 | 21.081 | 0.0 | -6.264 | 23.181 | 0.272 | -3.937 | 23.134 | 0.149 | 0.086 | 233.425 | 4.011 | 0.086 | 234.146 | 3.446 | 0.086 | 0.381 | 0.0 | 0.086 | 0.254 | 0.0 |
| 108 | 13012 | 13013 | NS | 2 | -34.77 | 19.024 | 0.0 | -34.824 | 19.225 | 0.0 | -6.686 | 23.051 | 0.148 | -3.194 | 24.259 | 1.736 | 0.086 | 222.166 | 3.069 | 0.086 | 224.94 | 3.324 | 0.086 | 0.413 | 0.0 | 0.086 | 0.226 | 0.0 |
| 109 | 13012 | 13013 | NS | 1 | -34.547 | 19.024 | 0.0 | -34.824 | 19.225 | 0.0 | -6.686 | 23.051 | 0.148 | -3.194 | 24.259 | 1.736 | 0.086 | 211.113 | 3.069 | 0.086 | 224.94 | 3.323 | 0.086 | 0.413 | 0.0 | 0.086 | 0.226 | 0.0 |
| 110 | 13013 | 13014 | NS | 1 | -34.885 | 19.666 | 0.0 | -34.768 | 22.065 | 0.001 | 0.867 | 22.658 | 0.027 | -0.73 | 23.92 | 1.085 | 0.086 | 228.138 | 2.288 | 0.086 | 222.124 | 2.573 | 0.086 | 0.137 | 0.0 | 0.086 | 0.162 | 0.0 |
| 111 | 13013 | 13014 | SN | 1 | -34.306 | 20.848 | 0.0 | -34.779 | 21.759 | 0.0 | -25.621 | 23.502 | 0.282 | -13.474 | 23.656 | 0.246 | 0.086 | 199.699 | 4.307 | 0.086 | 222.632 | 3.574 | 0.086 | 27.081 | 0.109 | 0.086 | 1.713 | 0.011 |
| 112 | 13014 | 13015 | NS | 1 | -34.804 | 20.678 | 0.0 | -33.789 | 20.71 | 0.0 | 6.06 | 22.432 | 0.1 | 5.761 | 23.804 | 1.22 | 0.086 | 223.904 | 0.93 | 0.086 | 177.283 | 1.049 | 0.086 | 0.1 | 0.0 | 0.086 | 0.101 | 0.0 |
| 113 | 13014 | 13015 | SN | 1 | -34.413 | 20.421 | 0.0 | -31.627 | 21.013 | 0.0 | -25.954 | 23.6 | 0.224 | -22.088 | 23.278 | 0.246 | 0.086 | 204.633 | 0.604 | 0.086 | 107.791 | 0.481 | 0.086 | 29.239 | 0.027 | 0.086 | 12.043 | 0.009 |
| 114 | 13014 | 13015 | SN | 1 | -32.976 | 20.421 | 0.0 | -32.31 | 21.013 | 0.0 | -26.228 | 23.6 | 0.224 | -22.051 | 23.278 | 0.246 | 0.086 | 147.021 | 0.603 | 0.086 | 126.138 | 0.482 | 0.086 | 31.137 | 0.026 | 0.086 | 11.939 | 0.009 |
| 115 | 13014 | 13015 | NS | 1 | -34.804 | 20.678 | 0.0 | -33.789 | 20.71 | 0.0 | 6.06 | 22.432 | 0.104 | 5.761 | 23.804 | 1.324 | 0.086 | 223.904 | 0.932 | 0.086 | 177.283 | 1.049 | 0.086 | 0.1 | 0.0 | 0.086 | 0.101 | 0.0 |
| 116 | 13015 | 13016 | NS | 1 | -34.953 | 20.674 | 0.0 | -34.864 | 21.241 | 0.0 | 3.82 | 22.656 | 0.022 | -25.395 | 23.584 | 1.59 | 0.086 | 231.768 | 4.061 | 0.086 | 227.092 | 4.211 | 0.086 | 0.11 | 0.0 | 0.086 | 25.713 | 0.033 |
| 117 | 13015 | 13016 | NS | 1 | -34.953 | 20.674 | 0.0 | -34.864 | 21.241 | 0.0 | 3.801 | 22.656 | 0.029 | -25.488 | 23.587 | 1.979 | 0.086 | 231.768 | 4.027 | 0.086 | 227.092 | 4.217 | 0.086 | 0.11 | 0.0 | 0.086 | 26.274 | 0.041 |
| 118 | 13015 | 13016 | SN | 1 | -34.909 | 20.475 | 0.0 | -34.898 | 21.411 | 0.0 | -18.912 | 23.314 | 0.521 | -18.582 | 23.64 | 0.643 | 0.086 | 229.426 | 2.497 | 0.086 | 228.826 | 1.938 | 0.086 | 5.828 | 0.047 | 0.086 | 5.407 | 0.044 |
| 119 | 13015 | 13016 | NS | 2 | -34.953 | 20.674 | 0.0 | -34.864 | 21.241 | 0.0 | 3.82 | 22.656 | 0.022 | -25.398 | 23.584 | 1.59 | 0.086 | 231.768 | 4.061 | 0.086 | 227.092 | 4.211 | 0.086 | 0.11 | 0.0 | 0.086 | 25.735 | 0.033 |
| 120 | 13016 | 13017 | SN | 1 | -34.277 | 20.073 | 0.0 | -34.192 | 21.994 | 0.0 | -23.981 | 23.49 | 0.662 | 3.096 | 23.799 | 1.821 | 0.086 | 198.305 | 3.193 | 0.086 | 194.501 | 2.659 | 0.086 | 18.586 | 0.009 | 0.086 | 0.115 | 0.0 |
| 121 | 13016 | 13017 | NS | 1 | -34.623 | 20.679 | 0.0 | -34.798 | 20.419 | 0.0 | 0.864 | 23.12 | 0.513 | 2.802 | 23.888 | 1.59 | 0.086 | 214.789 | 4.023 | 0.086 | 223.625 | 3.812 | 0.086 | 0.137 | 0.0 | 0.086 | 0.117 | 0.0 |
| 122 | 13016 | 13017 | NS | 1 | -34.623 | 20.096 | 0.0 | -34.798 | 20.382 | 0.0 | 0.864 | 22.39 | 0.067 | 2.841 | 23.496 | 0.51 | 0.086 | 214.789 | 4.055 | 0.086 | 223.625 | 3.814 | 0.086 | 0.137 | 0.0 | 0.086 | 0.117 | 0.0 |
| 123 | 13016 | 13017 | NS | 1 | -34.651 | 20.681 | 0.0 | -34.843 | 20.419 | 0.0 | 0.864 | 23.119 | 0.513 | 2.8 | 23.888 | 1.59 | 0.086 | 216.215 | 4.019 | 0.086 | 225.942 | 3.822 | 0.086 | 0.137 | 0.0 | 0.086 | 0.117 | 0.0 |
| 124 | 13016 | 13017 | SN | 2 | -34.277 | 20.073 | 0.0 | -34.192 | 21.994 | 0.0 | -23.63 | 23.49 | 0.662 | 3.096 | 23.799 | 1.821 | 0.086 | 198.305 | 3.193 | 0.086 | 194.501 | 2.659 | 0.086 | 17.149 | 0.009 | 0.086 | 0.115 | 0.0 |
| 125 | 13017 | 13018 | NS | 1 | -34.594 | 18.522 | 0.0 | -34.523 | 20.964 | 0.0 | -18.494 | 21.259 | 0.0 | 0.808 | 22.285 | 0.004 | 0.086 | 213.389 | 2.429 | 0.086 | 209.915 | 2.459 | 0.086 | 5.301 | 0.013 | 0.086 | 0.138 | 0.0 |
| 126 | 13017 | 13018 | SN | 1 | -34.942 | 17.7 | 0.0 | -34.945 | 19.16 | 0.0 | 1.173 | 22.781 | 0.082 | 4.437 | 23.13 | 0.149 | 0.086 | 236.645 | 3.602 | 0.086 | 231.307 | 3.224 | 0.086 | 0.133 | 0.0 | 0.086 | 0.107 | 0.0 |
| 127 | 13017 | 13018 | NS | 1 | -34.594 | 20.503 | 0.0 | -34.523 | 20.964 | 0.0 | -18.494 | 23.358 | 0.645 | 0.811 | 23.956 | 1.333 | 0.086 | 213.389 | 2.327 | 0.086 | 209.915 | 2.44 | 0.086 | 5.301 | 0.009 | 0.086 | 0.138 | 0.0 |
| 128 | 13017 | 13018 | NS | 1 | -34.82 | 20.504 | 0.0 | -34.523 | 20.962 | 0.0 | -18.54 | 23.354 | 0.642 | 0.806 | 23.957 | 1.332 | 0.086 | 224.758 | 2.336 | 0.086 | 209.915 | 2.451 | 0.086 | 5.357 | 0.009 | 0.086 | 0.138 | 0.0 |
| 129 | 13017 | 13018 | SN | 1 | -34.942 | 17.627 | 0.0 | -34.945 | 19.127 | 0.0 | 1.173 | 22.781 | 0.043 | 4.437 | 23.13 | 0.115 | 0.087 | 236.645 | 3.699 | 0.086 | 231.307 | 3.567 | 0.086 | 0.133 | 0.0 | 0.086 | 0.107 | 0.0 |

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

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|  Normal |  Deviations |
|  Alarming |  High Errors |