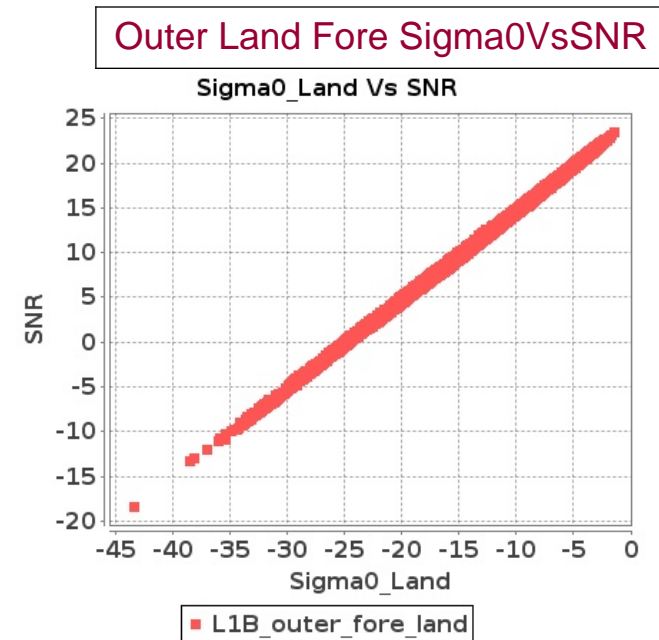
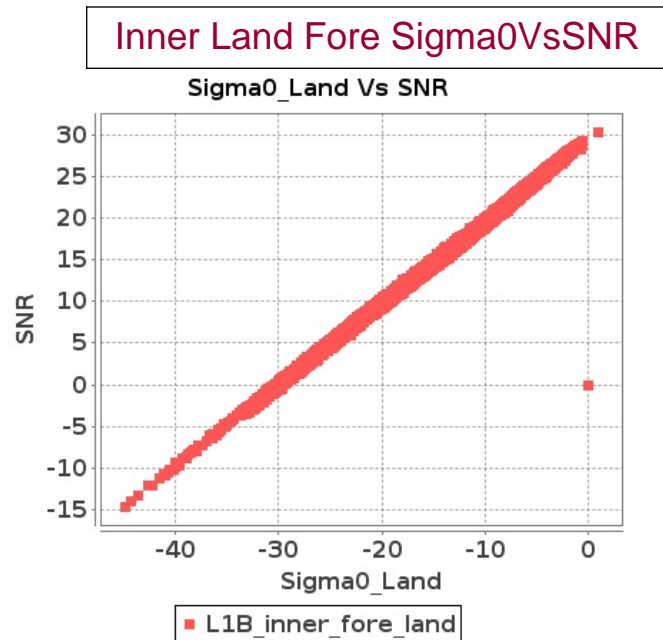
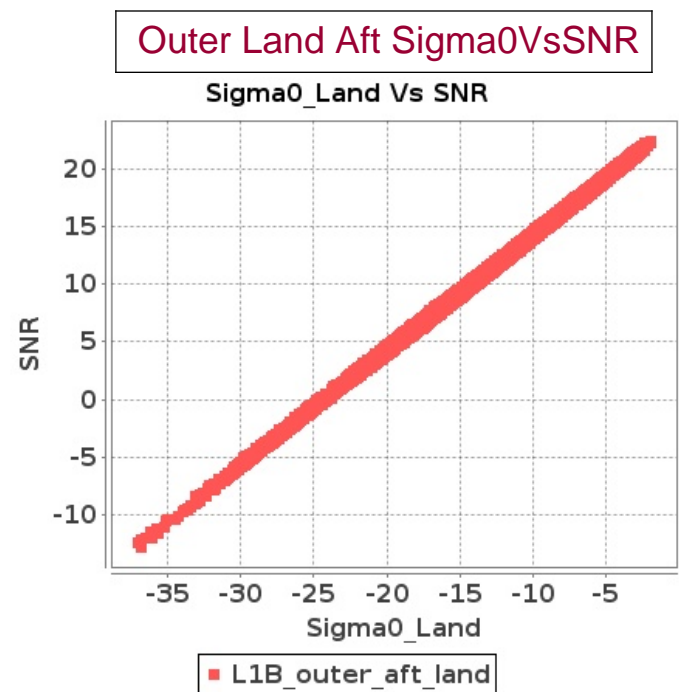
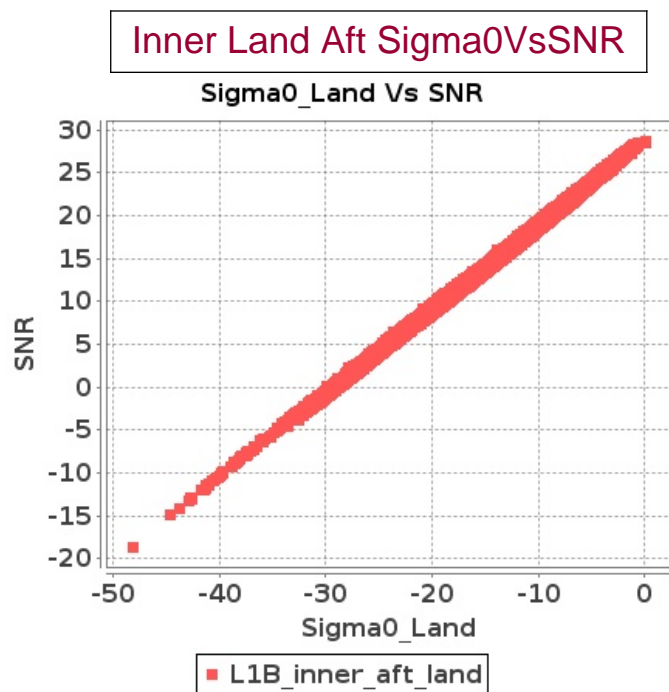
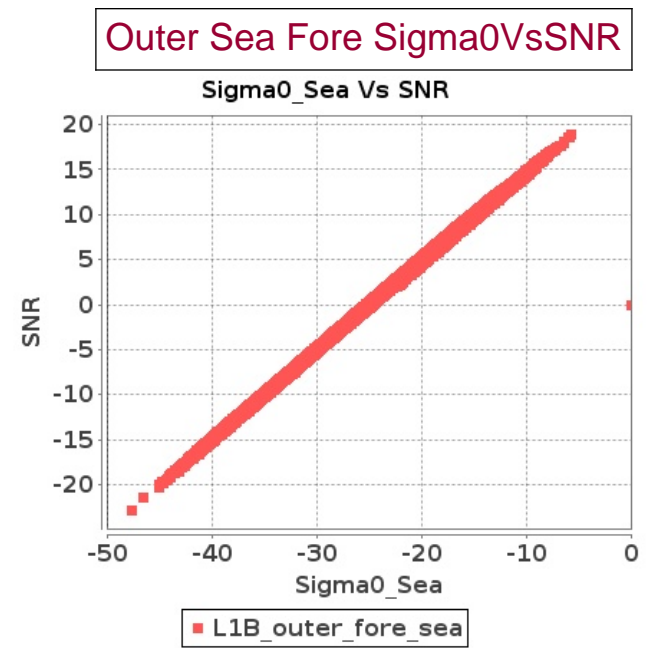
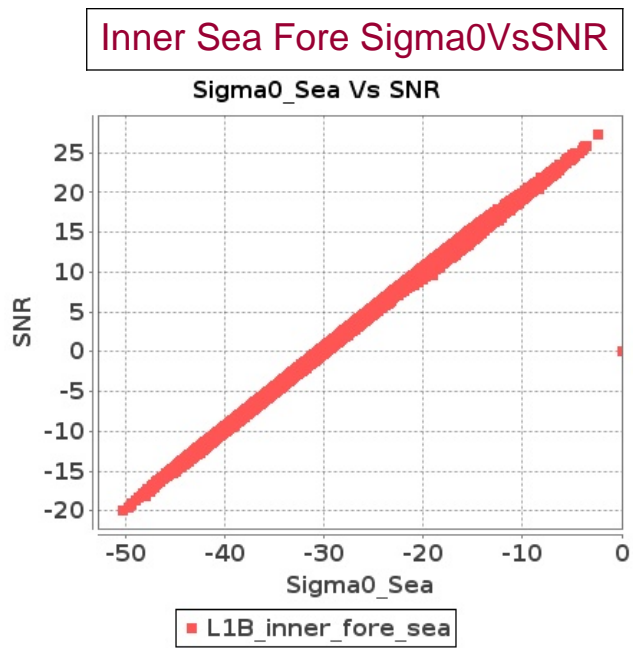
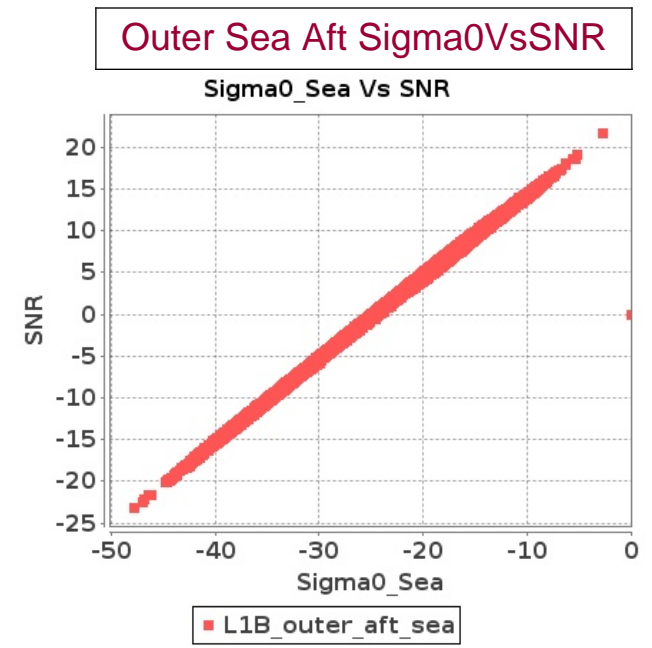
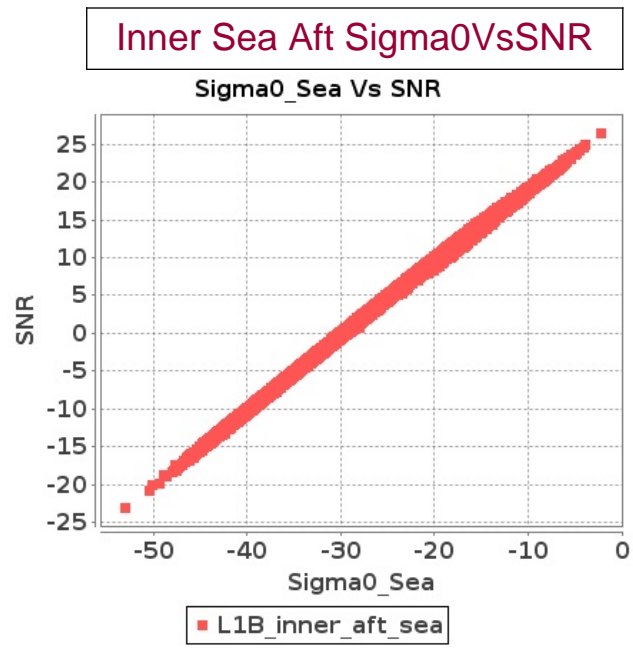
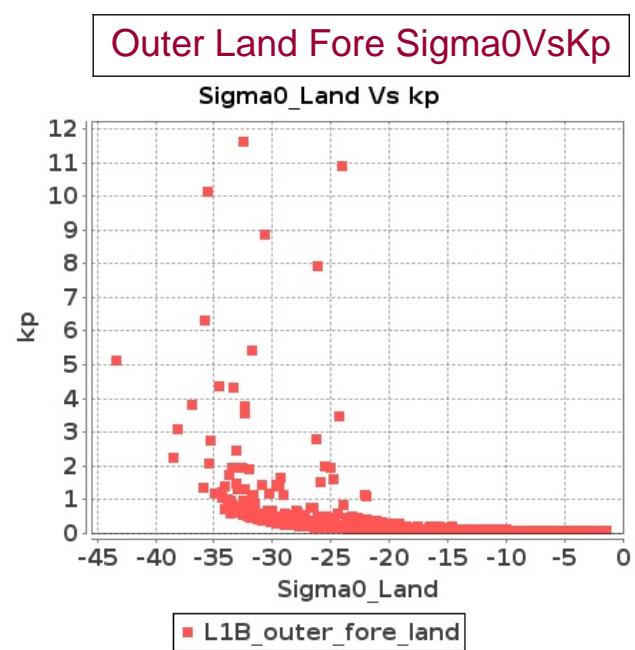
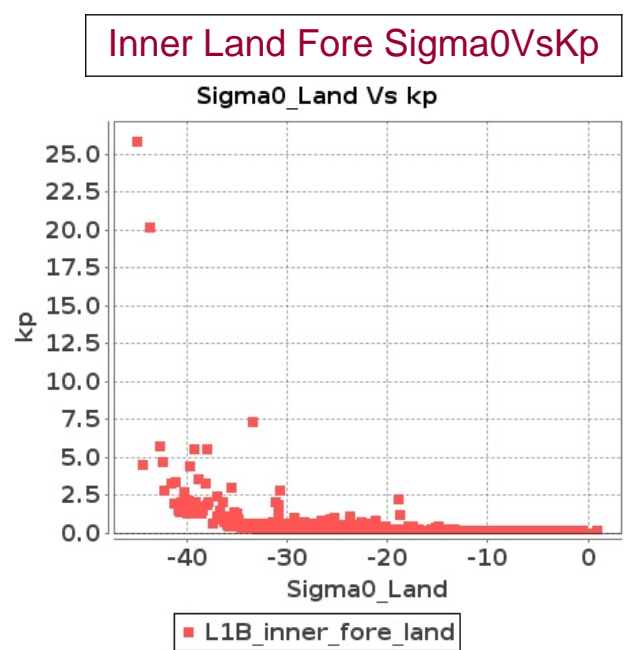
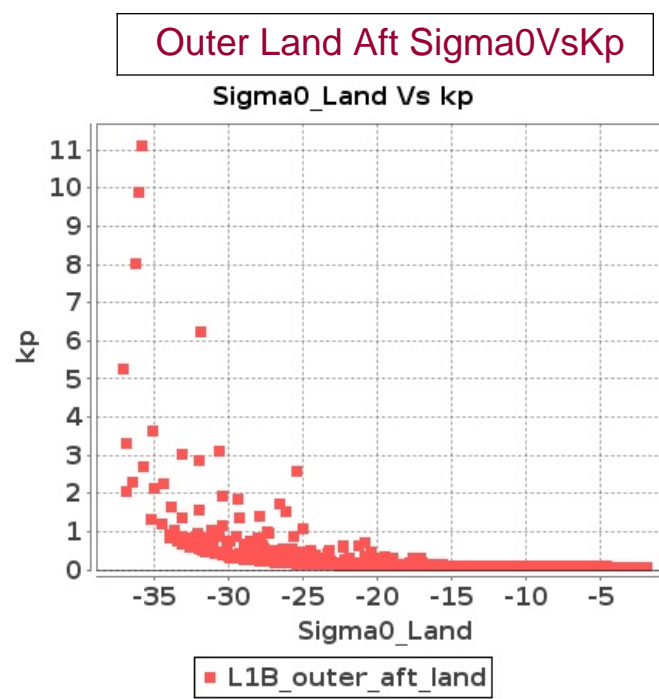
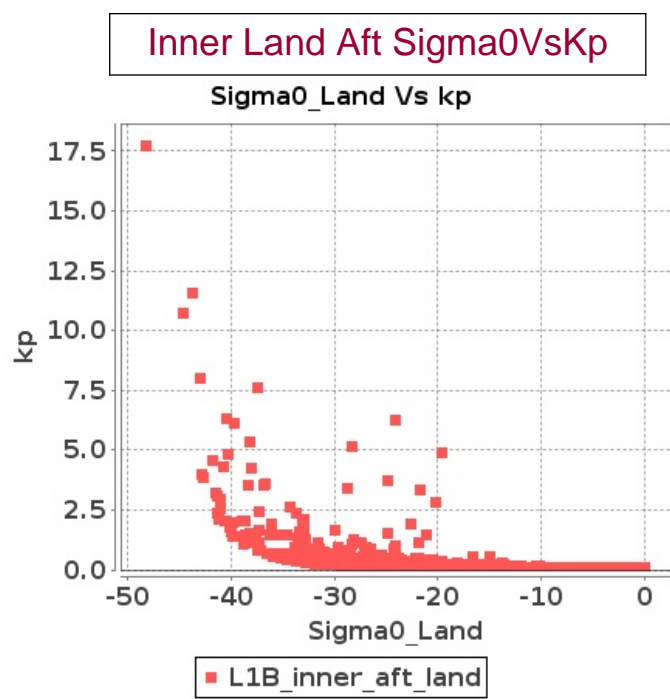
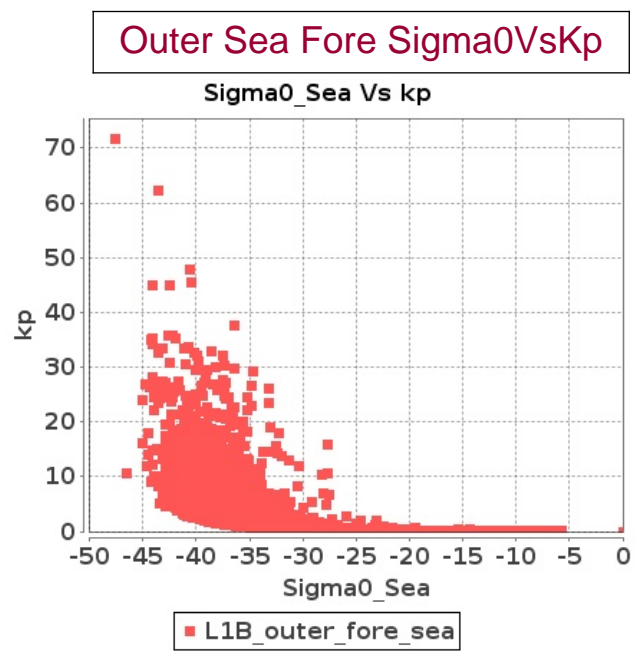
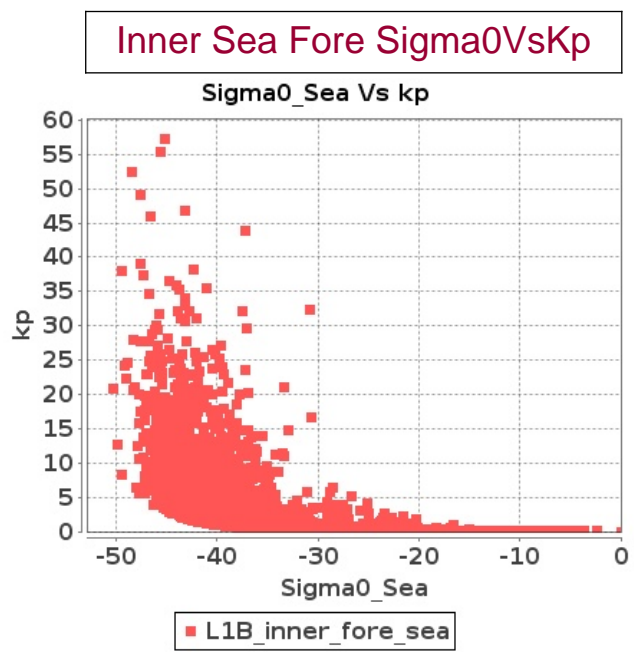
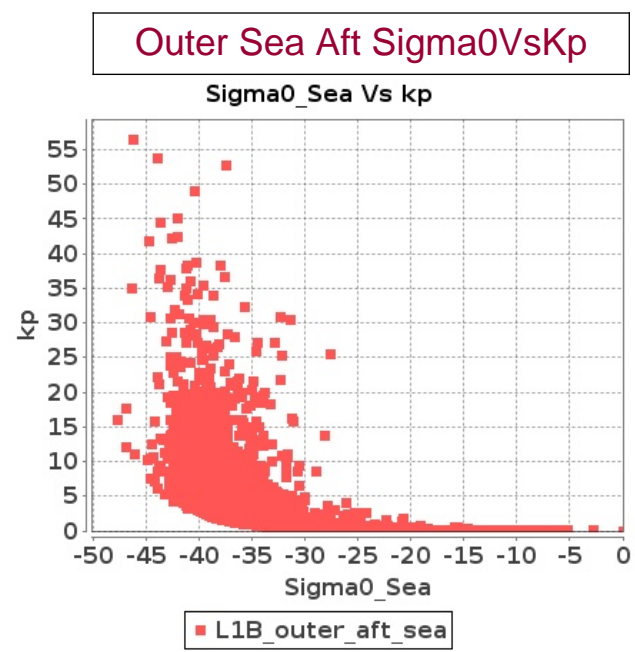
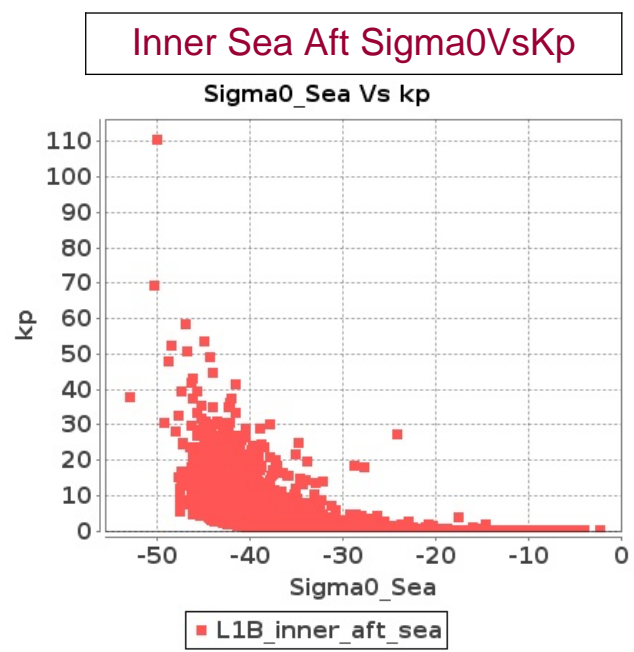


SCATSAT-1 Scatterometer Level-1B Data Quality Cycle wise Report

Report between 19-NOV-2019 To 20-NOV-2019





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

Report between 19-NOV-2019 To 20-NOV-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 | 16657 | 16658 | SN | 1 | 48.798 | 49.469 | 0.0 | 0.0 | 103.787 | 2.794 | 1040.968 | 1078.272 | 0.0 | -91.764 | -90.086 | 0.0 |
| 2 | 16657 | 16658 | SN | 1 | 48.799 | 49.471 | 0.0 | 0.0 | 103.792 | 2.109 | 1040.968 | 1078.312 | 0.0 | -91.764 | -90.086 | 0.0 |
| 3 | 16657 | 16658 | SN | 2 | 48.799 | 49.471 | 0.0 | 0.0 | 103.792 | 2.794 | 1040.968 | 1078.312 | 0.0 | -91.764 | -90.086 | 0.0 |
| 4 | 16658 | 16659 | NS | 1 | 48.733 | 49.331 | 0.0 | 0.003 | 13.087 | 2.517 | 1030.76 | 1076.984 | 0.0 | -91.805 | -89.971 | 0.0 |
| 5 | 16658 | 16659 | NS | 1 | 48.733 | 49.331 | 0.0 | 0.003 | 13.087 | 2.519 | 1030.904 | 1076.984 | 0.0 | -91.798 | -89.971 | 0.0 |
| 6 | 16658 | 16659 | SN | 2 | 48.809 | 49.466 | 0.0 | 0.003 | 6.447 | 2.594 | 1040.664 | 1078.256 | 0.0 | -91.823 | -90.068 | 0.0 |
| 7 | 16658 | 16659 | SN | 1 | 48.808 | 49.466 | 0.0 | 0.003 | 29.205 | 2.595 | 1040.664 | 1078.264 | 0.0 | -91.823 | -90.068 | 0.0 |
| 8 | 16658 | 16659 | SN | 1 | 48.809 | 49.466 | 0.0 | 0.003 | 6.447 | 2.418 | 1040.664 | 1078.256 | 0.0 | -91.823 | -90.068 | 0.0 |
| 9 | 16659 | 16660 | NS | 1 | 48.733 | 49.293 | 0.0 | 0.003 | 267.251 | 2.563 | 1030.624 | 1077.16 | 0.0 | -91.55 | -89.943 | 0.0 |
| 10 | 16659 | 16660 | SN | 1 | 48.779 | 49.433 | 0.0 | 0.003 | 6.458 | 2.494 | 1040.344 | 1078.4 | 0.0 | -92.002 | -90.101 | 0.0 |
| 11 | 16659 | 16660 | SN | 1 | 48.779 | 49.433 | 0.0 | 0.003 | 6.458 | 2.348 | 1040.344 | 1078.4 | 0.0 | -92.002 | -90.101 | 0.0 |
| 12 | 16659 | 16660 | SN | 1 | 48.792 | 49.434 | 0.0 | 0.003 | 6.458 | 2.35 | 1040.56 | 1078.408 | 0.0 | -92.002 | -90.101 | 0.0 |
| 13 | 16659 | 16660 | NS | 2 | 48.733 | 49.293 | 0.0 | 0.003 | 267.251 | 2.563 | 1030.624 | 1077.16 | 0.0 | -91.55 | -89.943 | 0.0 |
| 14 | 16660 | 16661 | SN | 2 | 48.805 | 49.429 | 0.0 | 0.0 | 126.503 | 2.571 | 1040.72 | 1078.336 | 0.0 | -91.924 | -90.1 | 0.0 |
| 15 | 16660 | 16661 | SN | 1 | 48.805 | 49.429 | 0.0 | 0.0 | 126.503 | 2.346 | 1040.72 | 1078.336 | 0.0 | -91.924 | -90.1 | 0.0 |
| 16 | 16660 | 16661 | NS | 1 | 48.695 | 49.337 | 0.0 | 0.003 | 210.695 | 2.532 | 1030.928 | 1077.112 | 0.0 | -91.71 | -89.988 | 0.0 |
| 17 | 16660 | 16661 | NS | 1 | 48.695 | 49.337 | 0.0 | 0.003 | 210.695 | 2.534 | 1030.928 | 1077.112 | 0.0 | -91.809 | -89.988 | 0.0 |
| 18 | 16660 | 16661 | SN | 1 | 48.805 | 49.429 | 0.0 | 0.0 | 126.503 | 2.571 | 1040.72 | 1078.336 | 0.0 | -91.924 | -90.1 | 0.0 |
| 19 | 16661 | 16662 | NS | 1 | 48.734 | 49.292 | 0.0 | 0.0 | 47.23 | 2.753 | 1031.792 | 1077.016 | 0.0 | -91.746 | -89.961 | 0.0 |
| 20 | 16661 | 16662 | SN | 1 | 48.819 | 49.424 | 0.0 | 0.003 | 6.442 | 2.166 | 1040.424 | 1078.232 | 0.0 | -92.038 | -90.1 | 0.0 |
| 21 | 16661 | 16662 | SN | 2 | 48.819 | 49.423 | 0.0 | 0.003 | 6.442 | 2.527 | 1040.424 | 1078.224 | 0.0 | -92.038 | -90.1 | 0.0 |
| 22 | 16661 | 16662 | NS | 1 | 48.734 | 49.321 | 0.0 | 0.0 | 47.23 | 2.756 | 1031.792 | 1077.016 | 0.0 | -91.746 | -89.961 | 0.0 |
| 23 | 16661 | 16662 | SN | 1 | 48.819 | 49.424 | 0.0 | 0.003 | 6.442 | 2.529 | 1040.424 | 1078.232 | 0.0 | -92.038 | -90.1 | 0.0 |
| 24 | 16662 | 16663 | SN | 1 | 48.774 | 49.45 | 0.0 | 0.003 | 29.447 | 1.98 | 1041.272 | 1078.176 | 0.0 | -91.808 | -90.098 | 0.0 |
| 25 | 16662 | 16663 | SN | 1 | 48.774 | 49.45 | 0.0 | 0.003 | 29.447 | 2.55 | 1041.272 | 1078.176 | 0.0 | -91.808 | -90.098 | 0.0 |
| 26 | 16662 | 16663 | NS | 1 | 48.732 | 49.332 | 0.0 | 0.003 | 13.606 | 2.624 | 1031.384 | 1076.952 | 0.0 | -91.758 | -89.978 | 0.0 |
| 27 | 16662 | 16663 | SN | 1 | 48.774 | 49.45 | 0.0 | 0.003 | 29.447 | 2.551 | 1041.272 | 1078.176 | 0.0 | -91.808 | -90.098 | 0.0 |
| 28 | 16662 | 16663 | NS | 1 | 48.707 | 49.315 | 0.0 | 0.003 | 13.606 | 2.626 | 1031.384 | 1076.952 | 0.0 | -91.732 | -89.978 | 0.0 |
| 29 | 16663 | 16664 | SN | 1 | 48.787 | 49.417 | 0.0 | 0.003 | 6.43 | 1.774 | 1040.808 | 1078.152 | 0.0 | -91.822 | -90.1 | 0.0 |
| 30 | 16663 | 16664 | SN | 1 | 48.787 | 49.417 | 0.0 | 0.003 | 6.43 | 2.623 | 1040.808 | 1078.152 | 0.0 | -91.822 | -90.1 | 0.0 |
| 31 | 16663 | 16664 | NS | 1 | 48.669 | 49.335 | 0.0 | 0.0 | 186.716 | 2.62 | 1031.224 | 1076.904 | 0.0 | -91.67 | -89.987 | 0.0 |
| 32 | 16663 | 16664 | SN | 1 | 48.785 | 49.415 | 0.0 | 0.003 | 6.436 | 2.624 | 1040.784 | 1078.128 | 0.0 | -91.822 | -90.1 | 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 | 16663 | 16664 | NS | 1 | 48.675 | 49.334 | 0.0 | 0.0 | 186.716 | 2.617 | 1030.992 | 1076.904 | 0.0 | -91.661 | -89.987 | 0.0 |
| 34 | 16664 | 16665 | SN | 1 | 48.828 | 49.46 | 0.0 | 0.003 | 6.447 | 1.563 | 1041.76 | 1078.336 | 0.0 | -91.825 | -90.089 | 0.0 |
| 35 | 16664 | 16665 | SN | 1 | 48.828 | 49.46 | 0.0 | 0.003 | 6.447 | 2.661 | 1041.76 | 1078.336 | 0.0 | -91.825 | -90.089 | 0.0 |
| 36 | 16664 | 16665 | SN | 1 | 48.818 | 49.408 | 0.0 | 0.003 | 6.447 | 2.658 | 1041.76 | 1078.336 | 0.0 | -91.865 | -90.089 | 0.0 |
| 37 | 16664 | 16665 | NS | 1 | 48.673 | 49.342 | 0.0 | 0.0 | 267.466 | 2.71 | 1031.408 | 1077.04 | 0.0 | -92.191 | -89.986 | 0.0 |
| 38 | 16665 | 16666 | NS | 1 | 48.703 | 49.336 | 0.0 | 0.003 | 14.593 | 2.65 | 1030.824 | 1077.12 | 0.0 | -91.872 | -89.963 | 0.0 |
| 39 | 16665 | 16666 | NS | 2 | 48.703 | 49.336 | 0.0 | 0.003 | 14.593 | 2.65 | 1030.824 | 1077.12 | 0.0 | -91.872 | -89.963 | 0.0 |
| 40 | 16665 | 16666 | SN | 1 | 48.836 | 49.409 | 0.0 | 0.003 | 212.013 | 2.558 | 1041.376 | 1078.408 | 0.0 | -91.573 | -90.056 | 0.0 |
| 41 | 16666 | 16667 | NS | 1 | 48.734 | 49.291 | 0.0 | 0.0 | 266.198 | 2.814 | 1030.88 | 1077.056 | 0.0 | -91.632 | -89.959 | 0.0 |
| 42 | 16666 | 16667 | SN | 1 | 48.802 | 49.461 | 0.0 | 0.003 | 6.458 | 2.549 | 1040.928 | 1078.376 | 0.0 | -91.855 | -90.097 | 0.0 |
| 43 | 16667 | 16668 | NS | 1 | 48.694 | 49.292 | 0.0 | 0.003 | 39.915 | 2.64 | 1030.808 | 1077.024 | 0.0 | -91.641 | -89.985 | 0.0 |
| 44 | 16667 | 16668 | SN | 2 | 48.802 | 49.41 | 0.0 | 0.003 | 213.888 | 2.63 | 1041.248 | 1078.328 | 0.0 | -91.733 | -90.076 | 0.0 |
| 45 | 16667 | 16668 | SN | 1 | 48.802 | 49.409 | 0.0 | 0.003 | 6.442 | 2.632 | 1041.232 | 1078.32 | 0.0 | -91.733 | -90.076 | 0.0 |
| 46 | 16667 | 16668 | NS | 1 | 48.694 | 49.291 | 0.0 | 0.003 | 39.915 | 2.638 | 1030.68 | 1077.024 | 0.0 | -91.657 | -89.985 | 0.0 |
| 47 | 16668 | 16669 | NS | 1 | 48.693 | 49.33 | 0.0 | 0.003 | 22.871 | 2.496 | 1031.36 | 1076.512 | 0.0 | -91.821 | -89.984 | 0.0 |
| 48 | 16668 | 16669 | NS | 1 | 48.702 | 49.33 | 0.0 | 0.003 | 22.871 | 2.635 | 1031.36 | 1077.112 | 0.0 | -91.806 | -89.984 | 0.0 |
| 49 | 16668 | 16669 | NS | 1 | 48.693 | 49.33 | 0.0 | 0.003 | 22.871 | 2.638 | 1031.36 | 1077.128 | 0.0 | -91.821 | -89.984 | 0.0 |
| 50 | 16668 | 16669 | SN | 1 | 48.839 | 49.41 | 0.0 | 0.003 | 6.436 | 2.6 | 1041.688 | 1078.416 | 0.0 | -91.681 | -90.078 | 0.0 |
| 51 | 16668 | 16669 | SN | 1 | 48.839 | 49.41 | 0.0 | 0.003 | 6.436 | 2.602 | 1041.688 | 1078.416 | 0.0 | -91.671 | -90.078 | 0.0 |
| 52 | 16669 | 16670 | NS | 2 | 48.679 | 49.334 | 0.0 | 0.003 | 210.072 | 2.599 | 1030.272 | 1077.168 | 0.0 | -91.849 | -89.983 | 0.0 |
| 53 | 16669 | 16670 | SN | 1 | 48.792 | 49.454 | 0.0 | 0.003 | 6.442 | 2.571 | 1041.432 | 1078.48 | 0.0 | -91.843 | -90.1 | 0.0 |
| 54 | 16669 | 16670 | NS | 1 | 48.679 | 49.334 | 0.0 | 0.003 | 210.072 | 2.599 | 1030.272 | 1077.168 | 0.0 | -91.849 | -89.983 | 0.0 |
| 55 | 16669 | 16670 | NS | 1 | 48.679 | 49.334 | 0.0 | 0.003 | 210.072 | 1.971 | 1030.272 | 1075.056 | 0.0 | -91.83 | -89.983 | 0.0 |
| 56 | 16670 | 16671 | NS | 1 | 48.729 | 49.291 | 0.0 | 0.0 | 50.313 | 1.642 | 1029.992 | 1073.496 | 0.0 | -91.673 | -89.98 | 0.0 |
| 57 | 16670 | 16671 | NS | 1 | 48.729 | 49.289 | 0.0 | 0.0 | 267.687 | 2.799 | 1029.992 | 1077.256 | 0.0 | -91.718 | -89.98 | 0.0 |
| 58 | 16670 | 16671 | SN | 1 | 48.777 | 49.459 | 0.0 | 0.003 | 28.587 | 2.554 | 1041.464 | 1078.584 | 0.0 | -92.49 | -90.105 | 0.0 |
| 59 | 16671 | 16672 | NS | 1 | 48.681 | 49.289 | 0.0 | 0.003 | 15.012 | 1.582 | 1030.008 | 1069.928 | 0.0 | -91.679 | -89.964 | 0.0 |
| 60 | 16671 | 16672 | SN | 1 | 48.804 | 49.437 | 0.0 | 0.0 | 146.975 | 2.799 | 1041.936 | 1078.656 | 0.0 | -91.752 | -90.108 | 0.0 |
| 61 | 16671 | 16672 | SN | 1 | 48.804 | 49.437 | 0.0 | 0.003 | 6.447 | 1.705 | 1041.936 | 1078.656 | 0.0 | -91.752 | -90.108 | 0.0 |
| 62 | 16671 | 16672 | NS | 1 | 48.681 | 49.289 | 0.0 | 0.003 | 267.273 | 2.597 | 1030.008 | 1077.328 | 0.0 | -91.679 | -89.964 | 0.0 |
| 63 | 16672 | 16673 | SN | 1 | 48.787 | 49.436 | 0.0 | 0.003 | 6.442 | 2.433 | 1041.424 | 1078.48 | 0.0 | -91.844 | -90.062 | 0.0 |
| 64 | 16672 | 16673 | SN | 1 | 48.787 | 49.436 | 0.0 | 0.003 | 6.442 | 2.738 | 1041.424 | 1078.48 | 0.0 | -91.844 | -90.062 | 0.0 |
| 65 | 16672 | 16673 | NS | 1 | 48.73 | 49.29 | 0.0 | 0.0 | 52.635 | 2.834 | 1030.12 | 1077.192 | 0.0 | -91.795 | -89.966 | 0.0 |
| 66 | 16673 | 16674 | SN | 1 | 48.795 | 49.468 | 0.0 | 0.003 | 280.791 | 2.393 | 1040.984 | 1078.664 | 0.0 | -91.771 | -90.082 | 0.0 |
| 67 | 16673 | 16674 | NS | 1 | 48.731 | 49.301 | 0.0 | 0.003 | 41.795 | 2.538 | 1030.568 | 1077.4 | 0.0 | -91.752 | -89.96 | 0.0 |
| 68 | 16674 | 16675 | NS | 1 | 48.718 | 49.305 | 0.0 | 0.0 | 210.221 | 2.662 | 1030.456 | 1077.488 | 0.0 | -91.956 | -89.971 | 0.0 |
| 69 | 16674 | 16675 | SN | 1 | 48.766 | 49.436 | 0.0 | 0.003 | 6.458 | 2.497 | 1041.496 | 1078.696 | 0.0 | -91.901 | -90.103 | 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 | 16675 | 16676 | SN | 1 | 48.831 | 49.446 | 0.0 | 0.003 | 6.452 | 2.543 | 1041.144 | 1078.576 | 0.0 | -91.789 | -90.076 | 0.0 |
| 71 | 16675 | 16676 | NS | 1 | 48.732 | 49.31 | 0.0 | 0.003 | 267.329 | 2.609 | 1030.696 | 1077.4 | 0.0 | -91.607 | -89.964 | 0.0 |
| 72 | 16676 | 16677 | SN | 1 | 48.82 | 49.428 | 0.0 | 0.003 | 6.447 | 2.082 | 1040.896 | 1078.552 | 0.0 | -91.999 | -90.102 | 0.0 |
| 73 | 16676 | 16677 | NS | 1 | 48.674 | 49.33 | 0.0 | 0.003 | 17.014 | 2.676 | 1031.528 | 1077.336 | 0.0 | -91.787 | -89.978 | 0.0 |
| 74 | 16676 | 16677 | SN | 1 | 48.821 | 49.427 | 0.0 | 0.003 | 6.447 | 2.53 | 1041.0 | 1078.52 | 0.0 | -91.999 | -90.102 | 0.0 |
| 75 | 16676 | 16677 | NS | 2 | 48.672 | 49.331 | 0.0 | 0.003 | 17.019 | 2.679 | 1031.544 | 1077.328 | 0.0 | -91.787 | -89.978 | 0.0 |
| 76 | 16677 | 16678 | SN | 1 | 48.793 | 49.471 | 0.0 | 0.003 | 214.925 | 2.607 | 1040.776 | 1078.408 | 0.0 | -91.857 | -90.1 | 0.0 |
| 77 | 16677 | 16678 | NS | 1 | 48.733 | 49.313 | 0.0 | 0.003 | 267.009 | 2.595 | 1030.776 | 1077.184 | 0.0 | -91.751 | -89.98 | 0.0 |
| 78 | 16678 | 16679 | NS | 1 | 48.679 | 49.352 | 0.0 | 0.0 | 210.701 | 2.709 | 1030.552 | 1077.224 | 0.0 | -91.82 | -89.983 | 0.0 |
| 79 | 16678 | 16679 | SN | 1 | 48.808 | 49.438 | 0.0 | 0.003 | 31.455 | 2.675 | 1040.768 | 1078.544 | 0.0 | -91.825 | -90.081 | 0.0 |
| 80 | 16679 | 16680 | SN | 1 | 48.836 | 49.408 | 0.0 | 0.003 | 6.447 | 1.534 | 1041.752 | 1078.656 | 0.0 | -91.596 | -90.076 | 0.0 |
| 81 | 16679 | 16680 | SN | 1 | 48.836 | 49.408 | 0.0 | 0.003 | 6.447 | 2.588 | 1041.752 | 1078.656 | 0.0 | -94.123 | -90.076 | 0.0 |
| 82 | 16679 | 16680 | NS | 1 | 48.692 | 49.288 | 0.0 | 0.0 | 264.792 | 2.738 | 1031.168 | 1077.376 | 0.0 | -91.748 | -89.98 | 0.0 |
| 83 | 16680 | 16681 | NS | 1 | 48.701 | 49.338 | 0.0 | 0.003 | 266.915 | 2.673 | 1030.4 | 1077.416 | 0.0 | -91.874 | -89.972 | 0.0 |
| 84 | 16680 | 16681 | SN | 1 | 48.823 | 49.41 | 0.0 | 0.003 | 6.464 | 2.535 | 1041.336 | 1078.712 | 0.0 | -91.735 | -90.062 | 0.0 |
| 85 | 16681 | 16682 | SN | 1 | 48.802 | 49.431 | 0.0 | 0.003 | 280.399 | 2.549 | 1041.144 | 1078.632 | 0.0 | -91.8 | -90.098 | 0.0 |
| 86 | 16681 | 16682 | NS | 1 | 48.713 | 49.289 | 0.0 | 0.003 | 210.932 | 2.715 | 1030.44 | 1077.32 | 0.0 | -91.647 | -89.962 | 0.0 |
| 87 | 16682 | 16683 | NS | 1 | 48.732 | 49.323 | 0.0 | 0.003 | 267.389 | 2.536 | 1030.24 | 1077.088 | 0.0 | -91.766 | -89.983 | 0.0 |
| 88 | 16683 | 16684 | NS | 1 | 48.686 | 49.312 | 0.0 | 0.0 | 264.687 | 2.34 | 1031.088 | 1075.96 | 0.0 | -91.727 | -89.981 | 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 | 16657 | 16658 | SN | 1 | -34.222 | 25.609 | 0.313 | -34.509 | 26.417 | 1.426 | -30.513 | 27.931 | 7.001 | -27.029 | 30.928 | 7.14 | 0.116 | 256.309 | 6.588 | 0.116 | 273.737 | 5.252 | 0.116 | 109.122 | 0.117 | 0.116 | 48.98 | 0.097 |
| 2 | 16657 | 16658 | SN | 1 | -34.815 | 25.609 | 0.052 | -34.222 | 26.417 | 0.553 | -30.4 | 27.931 | 6.876 | -27.068 | 30.928 | 7.138 | 0.116 | 293.752 | 6.952 | 0.116 | 256.271 | 5.829 | 0.116 | 106.344 | 0.118 | 0.116 | 49.412 | 0.097 |
| 3 | 16657 | 16658 | SN | 2 | -34.815 | 25.609 | 0.313 | -34.222 | 26.417 | 1.426 | -30.4 | 27.931 | 6.997 | -27.068 | 30.928 | 7.139 | 0.116 | 293.752 | 6.593 | 0.116 | 256.271 | 5.252 | 0.116 | 106.344 | 0.117 | 0.116 | 49.412 | 0.097 |
| 4 | 16658 | 16659 | NS | 1 | -33.532 | 24.686 | 0.111 | -34.021 | 25.37 | 0.024 | 0.206 | 32.984 | 7.966 | 0.638 | 35.354 | 18.369 | 0.116 | 218.669 | 1.881 | 0.116 | 244.709 | 1.641 | 0.116 | 0.196 | 0.0 | 0.116 | 0.188 | 0.0 |
| 5 | 16658 | 16659 | NS | 1 | -34.028 | 24.686 | 0.111 | -34.092 | 25.371 | 0.024 | 0.206 | 32.984 | 7.988 | 0.638 | 35.354 | 18.384 | 0.116 | 245.019 | 1.879 | 0.116 | 248.709 | 1.645 | 0.116 | 0.196 | 0.0 | 0.116 | 0.188 | 0.0 |
| 6 | 16658 | 16659 | SN | 2 | -34.04 | 26.74 | 0.216 | -34.089 | 27.421 | 0.986 | -17.744 | 32.156 | 7.913 | -9.091 | 28.696 | 4.778 | 0.116 | 245.711 | 3.41 | 0.116 | 248.523 | 3.039 | 0.116 | 5.854 | 0.005 | 0.116 | 0.878 | 0.0 |
| 7 | 16658 | 16659 | SN | 1 | -34.04 | 26.74 | 0.216 | -34.089 | 27.421 | 0.986 | -17.744 | 32.156 | 7.913 | -9.091 | 28.696 | 4.778 | 0.116 | 245.711 | 3.41 | 0.116 | 248.523 | 3.039 | 0.116 | 5.854 | 0.005 | 0.116 | 0.878 | 0.0 |
| 8 | 16658 | 16659 | SN | 1 | -34.04 | 26.74 | 0.128 | -34.089 | 27.421 | 1.008 | -17.744 | 32.156 | 7.913 | -9.091 | 28.696 | 4.778 | 0.116 | 245.711 | 3.505 | 0.116 | 248.523 | 3.122 | 0.116 | 5.854 | 0.005 | 0.116 | 0.878 | 0.0 |
| 9 | 16659 | 16660 | NS | 1 | -34.872 | 24.022 | 0.037 | -34.399 | 24.265 | 0.004 | -3.771 | 28.575 | 8.54 | -7.277 | 29.483 | 16.638 | 0.116 | 297.646 | 1.481 | 0.116 | 266.882 | 1.405 | 0.116 | 0.328 | 0.0 | 0.116 | 0.611 | 0.0 |
| 10 | 16659 | 16660 | SN | 1 | -34.677 | 23.512 | 0.073 | -34.668 | 23.928 | 0.204 | -3.64 | 28.106 | 9.659 | 0.122 | 29.93 | 6.142 | 0.116 | 284.608 | 4.777 | 0.116 | 284.006 | 4.03 | 0.116 | 0.322 | 0.0 | 0.116 | 0.198 | 0.0 |
| 11 | 16659 | 16660 | SN | 1 | -34.677 | 23.512 | 0.073 | -34.668 | 23.928 | 0.208 | -3.64 | 28.106 | 9.659 | 0.122 | 29.93 | 6.142 | 0.116 | 284.608 | 4.862 | 0.116 | 284.006 | 4.091 | 0.116 | 0.322 | 0.0 | 0.116 | 0.198 | 0.0 |
| 12 | 16659 | 16660 | SN | 1 | -34.623 | 23.512 | 0.074 | -34.834 | 23.928 | 0.208 | -3.641 | 28.106 | 9.659 | 0.121 | 29.93 | 6.138 | 0.116 | 281.066 | 4.865 | 0.116 | 294.986 | 4.099 | 0.116 | 0.322 | 0.0 | 0.116 | 0.198 | 0.0 |
| 13 | 16659 | 16660 | NS | 2 | -34.872 | 24.022 | 0.039 | -34.399 | 24.265 | 0.004 | -3.771 | 28.575 | 8.54 | -7.277 | 29.483 | 16.638 | 0.116 | 297.646 | 1.481 | 0.116 | 266.882 | 1.405 | 0.116 | 0.328 | 0.0 | 0.116 | 0.611 | 0.0 |
| 14 | 16660 | 16661 | SN | 2 | -34.917 | 21.332 | 0.0 | -34.917 | 21.804 | 0.0 | 6.051 | 26.661 | 10.266 | 6.496 | 27.241 | 7.576 | 0.116 | 300.718 | 1.988 | 0.116 | 300.714 | 1.512 | 0.116 | 0.135 | 0.0 | 0.116 | 0.133 | 0.0 |
| 15 | 16660 | 16661 | SN | 1 | -34.917 | 21.07 | 0.0 | -34.917 | 21.804 | 0.0 | 6.051 | 26.657 | 10.297 | 6.496 | 27.241 | 7.536 | 0.116 | 300.718 | 2.027 | 0.116 | 300.714 | 1.539 | 0.116 | 0.135 | 0.0 | 0.116 | 0.133 | 0.0 |
| 16 | 16660 | 16661 | NS | 1 | -34.99 | 23.116 | 0.005 | -34.652 | 23.27 | 0.005 | -8.774 | 28.652 | 6.797 | -9.503 | 28.793 | 13.498 | 0.116 | 305.816 | 5.305 | 0.116 | 282.919 | 5.336 | 0.116 | 0.823 | 0.0 | 0.116 | 0.956 | 0.0 |
| 17 | 16660 | 16661 | NS | 1 | -34.974 | 23.116 | 0.005 | -34.652 | 23.27 | 0.005 | -8.774 | 28.652 | 6.799 | -9.503 | 28.793 | 13.496 | 0.116 | 304.648 | 5.316 | 0.116 | 282.919 | 5.343 | 0.116 | 0.823 | 0.0 | 0.116 | 0.956 | 0.0 |
| 18 | 16660 | 16661 | SN | 1 | -34.917 | 21.332 | 0.0 | -34.917 | 21.804 | 0.0 | 6.051 | 26.661 | 10.266 | 6.496 | 27.241 | 7.576 | 0.116 | 300.718 | 1.988 | 0.116 | 300.714 | 1.512 | 0.116 | 0.135 | 0.0 | 0.116 | 0.133 | 0.0 |
| 19 | 16661 | 16662 | NS | 1 | -34.888 | 21.711 | 0.0 | -33.175 | 22.721 | 0.048 | -22.96 | 27.512 | 4.008 | -23.845 | 29.447 | 9.199 | 0.116 | 298.665 | 1.352 | 0.116 | 201.407 | 1.268 | 0.116 | 19.246 | 0.015 | 0.116 | 23.576 | 0.016 |
| 20 | 16661 | 16662 | SN | 1 | -34.801 | 21.163 | 0.0 | -34.762 | 22.15 | 0.001 | 5.256 | 27.407 | 13.25 | 5.161 | 27.347 | 16.004 | 0.116 | 292.775 | 5.995 | 0.116 | 290.229 | 5.045 | 0.116 | 0.139 | 0.0 | 0.116 | 0.14 | 0.0 |
| 21 | 16661 | 16662 | SN | 2 | -34.801 | 21.163 | 0.0 | -34.942 | 22.15 | 0.001 | 5.256 | 27.407 | 13.157 | 5.161 | 27.347 | 15.458 | 0.116 | 292.775 | 5.826 | 0.116 | 302.47 | 4.934 | 0.116 | 0.139 | 0.0 | 0.116 | 0.14 | 0.0 |
| 22 | 16661 | 16662 | NS | 1 | -34.625 | 21.711 | 0.0 | -33.319 | 22.721 | 0.048 | -22.982 | 27.512 | 4.008 | -23.845 | 29.447 | 9.198 | 0.116 | 281.139 | 1.36 | 0.116 | 208.131 | 1.272 | 0.116 | 19.339 | 0.015 | 0.116 | 23.576 | 0.016 |
| 23 | 16661 | 16662 | SN | 1 | -34.801 | 21.163 | 0.0 | -34.762 | 22.15 | 0.001 | 5.256 | 27.407 | 13.157 | 5.161 | 27.347 | 15.46 | 0.116 | 292.775 | 5.825 | 0.116 | 290.229 | 4.933 | 0.116 | 0.139 | 0.0 | 0.116 | 0.14 | 0.0 |
| 24 | 16662 | 16663 | SN | 1 | -34.796 | 22.52 | 0.013 | -34.838 | 23.402 | 0.059 | 5.361 | 27.948 | 13.922 | 7.465 | 27.665 | 15.674 | 0.116 | 292.478 | 6.193 | 0.116 | 295.258 | 5.177 | 0.116 | 0.139 | 0.0 | 0.116 | 0.13 | 0.0 |
| 25 | 16662 | 16663 | SN | 1 | -34.796 | 22.52 | 0.012 | -34.838 | 23.402 | 0.059 | 5.361 | 27.948 | 13.29 | 7.465 | 27.665 | 15.282 | 0.116 | 292.478 | 5.986 | 0.116 | 295.258 | 4.964 | 0.116 | 0.139 | 0.0 | 0.116 | 0.13 | 0.0 |
| 26 | 16662 | 16663 | NS | 1 | -34.702 | 22.082 | 0.001 | -34.38 | 22.88 | 0.01 | -5.444 | 28.105 | 5.38 | -5.85 | 32.552 | 9.94 | 0.116 | 286.194 | 3.475 | 0.116 | 265.76 | 3.165 | 0.116 | 0.435 | 0.0 | 0.116 | 0.468 | 0.0 |
| 27 | 16662 | 16663 | SN | 1 | -34.796 | 22.52 | 0.012 | -34.838 | 23.402 | 0.059 | 5.361 | 27.948 | 13.335 | 7.465 | 27.665 | 15.38 | 0.116 | 292.478 | 5.987 | 0.116 | 295.258 | 4.965 | 0.116 | 0.139 | 0.0 | 0.116 | 0.13 | 0.0 |
| 28 | 16662 | 16663 | NS | 1 | -34.227 | 22.082 | 0.001 | -34.834 | 22.882 | 0.01 | -5.442 | 28.105 | 5.38 | -5.85 | 32.554 | 9.951 | 0.116 | 256.55 | 3.475 | 0.116 | 295.007 | 3.159 | 0.116 | 0.435 | 0.0 | 0.116 | 0.468 | 0.0 |
| 29 | 16663 | 16664 | SN | 1 | -34.308 | 23.773 | 0.185 | -34.66 | 25.45 | 0.606 | 3.633 | 28.519 | 9.174 | 8.933 | 28.066 | 9.473 | 0.116 | 261.319 | 5.095 | 0.116 | 283.424 | 4.306 | 0.116 | 0.15 | 0.0 | 0.116 | 0.126 | 0.0 |
| 30 | 16663 | 16664 | SN | 1 | -34.308 | 23.773 | 0.176 | -34.66 | 25.45 | 0.609 | 3.633 | 28.519 | 8.688 | 8.933 | 28.066 | 9.482 | 0.116 | 261.319 | 4.838 | 0.116 | 283.424 | 3.99 | 0.116 | 0.15 | 0.0 | 0.116 | 0.126 | 0.0 |
| 31 | 16663 | 16664 | NS | 1 | -34.652 | 27.048 | 0.056 | -34.506 | 26.844 | 0.085 | -7.346 | 29.554 | 9.024 | -7.102 | 30.045 | 13.712 | 0.116 | 282.962 | 2.878 | 0.116 | 273.503 | 2.692 | 0.116 | 0.619 | 0.0 | 0.116 | 0.591 | 0.0 |
| 32 | 16663 | 16664 | SN | 1 | -34.034 | 23.773 | 0.176 | -34.919 | 25.45 | 0.609 | 3.633 | 28.519 | 8.66 | 8.933 | 28.066 | 9.458 | 0.116 | 245.392 | 4.838 | 0.116 | 300.774 | 3.99 | 0.116 | 0.15 | 0.0 | 0.116 | 0.126 | 0.0 |
| 33 | 16663 | 16664 | NS | 1 | -34.984 | 27.05 | 0.056 | -34.671 | 26.842 | 0.085 | -7.366 | 29.554 | 9.007 | -7.093 | 30.045 | 13.694 | 0.116 | 305.377 | 2.873 | 0.116 | 284.186 | 2.69 | 0.116 | 0.622 | 0.0 | 0.116 | 0.59 | 0.0 |

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

- Normal
- Deviations
- Alarming
- High Errors

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|
| 34 | 16664 | 16665 | SN | 1 | -34.973 | 23.657 | 0.39 | -34.393 | 24.342 | 0.794 | -15.887 | 33.355 | 10.631 | -3.126 | 32.863 | 12.271 | 0.116 | 304.573 | 9.82 | 0.116 | 266.474 | 9.078 | 0.116 | 3.848 | 0.003 | 0.116 | 0.297 | 0.0 |
| 35 | 16664 | 16665 | SN | 1 | -34.973 | 23.657 | 0.359 | -34.393 | 24.342 | 0.795 | -15.875 | 33.355 | 10.025 | -3.126 | 32.863 | 12.274 | 0.116 | 304.573 | 9.045 | 0.116 | 266.474 | 7.805 | 0.116 | 3.837 | 0.003 | 0.116 | 0.297 | 0.0 |
| 36 | 16664 | 16665 | SN | 1 | -34.834 | 23.657 | 0.359 | -34.27 | 24.342 | 0.793 | -15.85 | 33.355 | 10.025 | -3.123 | 32.863 | 12.274 | 0.116 | 295.003 | 9.035 | 0.116 | 259.132 | 7.789 | 0.116 | 3.816 | 0.003 | 0.116 | 0.297 | 0.0 |
| 37 | 16664 | 16665 | NS | 1 | -34.654 | 26.991 | 0.071 | -34.869 | 28.084 | 0.189 | 3.402 | 32.105 | 9.73 | 6.959 | 28.999 | 16.068 | 0.116 | 283.093 | 3.212 | 0.116 | 297.433 | 3.176 | 0.116 | 0.152 | 0.0 | 0.116 | 0.131 | 0.0 |
| 38 | 16665 | 16666 | NS | 1 | -34.784 | 23.264 | 0.03 | -34.677 | 22.812 | 0.041 | 4.434 | 28.895 | 15.892 | 0.925 | 30.468 | 31.453 | 0.116 | 291.685 | 5.012 | 0.116 | 284.548 | 3.767 | 0.116 | 0.144 | 0.0 | 0.116 | 0.183 | 0.0 |
| 39 | 16665 | 16666 | NS | 2 | -34.784 | 23.266 | 0.028 | -34.677 | 22.812 | 0.043 | 4.434 | 28.895 | 15.889 | 0.966 | 30.468 | 31.453 | 0.116 | 291.685 | 5.012 | 0.116 | 284.548 | 3.764 | 0.116 | 0.144 | 0.0 | 0.116 | 0.182 | 0.0 |
| 40 | 16665 | 16666 | SN | 1 | -34.232 | 22.251 | 0.006 | -34.192 | 23.62 | 0.165 | -19.316 | 28.145 | 14.072 | -8.626 | 29.279 | 15.508 | 0.116 | 256.817 | 1.94 | 0.116 | 254.44 | 1.485 | 0.116 | 8.367 | 0.005 | 0.116 | 0.799 | 0.0 |
| 41 | 16666 | 16667 | NS | 1 | -34.338 | 27.95 | 0.04 | -34.733 | 25.411 | 0.035 | -30.513 | 31.186 | 12.689 | -34.317 | 29.692 | 23.485 | 0.116 | 263.243 | 2.322 | 0.116 | 288.242 | 2.155 | 0.116 | 109.125 | 0.286 | 0.116 | 261.87 | 0.091 |
| 42 | 16666 | 16667 | SN | 1 | -34.911 | 25.144 | 0.041 | -34.837 | 26.193 | 0.222 | -12.733 | 28.468 | 13.655 | -12.526 | 29.225 | 13.824 | 0.116 | 321.535 | 4.421 | 0.116 | 295.18 | 3.656 | 0.116 | 1.908 | 0.003 | 0.116 | 1.824 | 0.002 |
| 43 | 16667 | 16668 | NS | 1 | -34.772 | 28.576 | 0.134 | -34.1 | 23.474 | 0.247 | 0.647 | 28.505 | 14.114 | -3.032 | 35.7 | 21.408 | 0.116 | 290.864 | 3.836 | 0.116 | 249.153 | 3.613 | 0.116 | 0.188 | 0.0 | 0.116 | 0.293 | 0.0 |
| 44 | 16667 | 16668 | SN | 2 | -34.897 | 24.619 | 0.038 | -34.965 | 25.479 | 0.267 | -22.754 | 30.898 | 13.8 | -11.817 | 29.509 | 14.054 | 0.116 | 299.317 | 8.178 | 0.116 | 304.073 | 6.686 | 0.116 | 18.36 | 0.02 | 0.116 | 1.563 | 0.004 |
| 45 | 16667 | 16668 | SN | 1 | -34.897 | 24.619 | 0.038 | -34.965 | 25.479 | 0.267 | -22.754 | 30.898 | 13.8 | -11.817 | 29.509 | 14.052 | 0.116 | 299.317 | 8.176 | 0.116 | 304.073 | 6.688 | 0.116 | 18.36 | 0.02 | 0.116 | 1.563 | 0.004 |
| 46 | 16667 | 16668 | NS | 1 | -34.959 | 28.576 | 0.134 | -34.795 | 23.474 | 0.247 | 0.647 | 28.505 | 14.108 | -3.032 | 35.7 | 21.408 | 0.116 | 303.594 | 3.847 | 0.116 | 292.391 | 3.628 | 0.116 | 0.188 | 0.0 | 0.116 | 0.293 | 0.0 |
| 47 | 16668 | 16669 | NS | 1 | -34.612 | 25.249 | 0.252 | -34.591 | 27.672 | 0.627 | -6.828 | 29.205 | 20.309 | -4.492 | 28.843 | 32.013 | 0.116 | 280.343 | 1.86 | 0.116 | 278.96 | 1.658 | 0.116 | 0.561 | 0.0 | 0.116 | 0.369 | 0.0 |
| 48 | 16668 | 16669 | NS | 1 | -34.581 | 25.249 | 0.251 | -34.976 | 27.672 | 0.626 | -6.828 | 29.205 | 22.551 | -4.492 | 28.843 | 33.672 | 0.116 | 278.335 | 1.858 | 0.116 | 304.817 | 1.657 | 0.116 | 0.561 | 0.0 | 0.116 | 0.369 | 0.0 |
| 49 | 16668 | 16669 | NS | 1 | -34.612 | 25.249 | 0.252 | -34.591 | 27.672 | 0.627 | -6.828 | 29.205 | 22.555 | -4.492 | 28.843 | 33.672 | 0.116 | 280.343 | 1.86 | 0.116 | 278.96 | 1.658 | 0.116 | 0.561 | 0.0 | 0.116 | 0.369 | 0.0 |
| 50 | 16668 | 16669 | SN | 1 | -31.528 | 23.283 | 0.165 | -33.378 | 24.25 | 0.674 | -22.222 | 33.61 | 12.571 | -19.003 | 29.478 | 12.798 | 0.116 | 137.846 | 1.445 | 0.116 | 211.024 | 1.286 | 0.116 | 16.254 | 0.01 | 0.116 | 7.792 | 0.01 |
| 51 | 16668 | 16669 | SN | 1 | -31.427 | 23.281 | 0.165 | -33.378 | 24.25 | 0.678 | -22.222 | 33.612 | 12.577 | -19.003 | 29.478 | 12.805 | 0.116 | 134.688 | 1.441 | 0.116 | 211.024 | 1.286 | 0.116 | 16.254 | 0.01 | 0.116 | 7.792 | 0.01 |
| 52 | 16669 | 16670 | NS | 2 | -34.693 | 23.835 | 0.543 | -34.869 | 27.108 | 0.824 | 11.252 | 28.53 | 22.768 | 11.637 | 28.481 | 33.989 | 0.116 | 285.553 | 7.394 | 0.116 | 297.464 | 7.318 | 0.116 | 0.121 | 0.0 | 0.116 | 0.121 | 0.0 |
| 53 | 16669 | 16670 | SN | 1 | -33.949 | 23.796 | 0.01 | -34.858 | 24.253 | 0.698 | -11.953 | 29.305 | 21.766 | -6.881 | 29.98 | 24.64 | 0.116 | 240.644 | 2.708 | 0.116 | 296.662 | 2.033 | 0.116 | 1.61 | 0.004 | 0.116 | 0.566 | 0.0 |
| 54 | 16669 | 16670 | NS | 1 | -34.693 | 23.835 | 0.543 | -34.869 | 27.108 | 0.824 | 11.252 | 28.53 | 22.768 | 11.637 | 28.481 | 33.989 | 0.116 | 285.553 | 7.394 | 0.116 | 297.464 | 7.318 | 0.116 | 0.121 | 0.0 | 0.116 | 0.121 | 0.0 |
| 55 | 16669 | 16670 | NS | 1 | -34.733 | 23.835 | 0.542 | -34.869 | 27.108 | 0.824 | 11.211 | 28.53 | 12.817 | 11.638 | 28.481 | 30.425 | 0.116 | 288.223 | 7.396 | 0.116 | 297.464 | 7.318 | 0.116 | 0.122 | 0.0 | 0.116 | 0.121 | 0.0 |
| 56 | 16670 | 16671 | NS | 1 | -34.936 | 23.703 | 0.39 | -34.748 | 24.373 | 0.198 | 10.764 | 27.722 | 8.689 | 7.559 | 28.06 | 16.191 | 0.116 | 301.95 | 3.663 | 0.116 | 289.231 | 3.476 | 0.116 | 0.122 | 0.0 | 0.116 | 0.129 | 0.0 |
| 57 | 16670 | 16671 | NS | 1 | -34.936 | 23.699 | 0.392 | -34.748 | 24.376 | 0.198 | 6.369 | 28.063 | 26.922 | 7.545 | 29.149 | 37.196 | 0.116 | 301.95 | 3.657 | 0.116 | 289.231 | 3.475 | 0.116 | 0.134 | 0.0 | 0.116 | 0.129 | 0.0 |
| 58 | 16670 | 16671 | SN | 1 | -33.7 | 22.845 | 0.037 | -34.685 | 24.126 | 0.722 | 6.77 | 28.734 | 36.987 | 7.98 | 29.802 | 50.383 | 0.116 | 227.217 | 3.082 | 0.116 | 285.022 | 2.602 | 0.116 | 0.132 | 0.0 | 0.116 | 0.128 | 0.0 |
| 59 | 16671 | 16672 | NS | 1 | -34.792 | 23.535 | 0.261 | -34.943 | 23.321 | 0.007 | 7.56 | 27.235 | 3.539 | 5.079 | 26.072 | 6.803 | 0.116 | 292.17 | 3.626 | 0.116 | 302.504 | 3.402 | 0.116 | 0.129 | 0.0 | 0.116 | 0.14 | 0.0 |
| 60 | 16671 | 16672 | SN | 1 | -34.878 | 23.9 | 0.141 | -34.402 | 25.0 | 1.006 | 3.766 | 28.473 | 11.261 | 8.826 | 28.674 | 10.792 | 0.116 | 298.037 | 2.8 | 0.116 | 267.054 | 2.206 | 0.116 | 0.149 | 0.0 | 0.116 | 0.126 | 0.0 |
| 61 | 16671 | 16672 | SN | 1 | -34.878 | 20.367 | 0.0 | -34.402 | 22.429 | 0.004 | 3.776 | 27.981 | 10.302 | 8.826 | 28.685 | 10.401 | 0.116 | 298.037 | 2.879 | 0.116 | 267.054 | 2.419 | 0.116 | 0.149 | 0.0 | 0.116 | 0.126 | 0.0 |
| 62 | 16671 | 16672 | NS | 1 | -34.792 | 23.535 | 0.249 | -34.943 | 23.292 | 0.007 | 6.471 | 28.887 | 13.335 | 5.262 | 28.734 | 22.542 | 0.116 | 292.17 | 3.406 | 0.116 | 302.504 | 3.38 | 0.116 | 0.133 | 0.0 | 0.116 | 0.139 | 0.0 |
| 63 | 16672 | 16673 | SN | 1 | -34.577 | 27.125 | 0.125 | -34.994 | 27.511 | 1.458 | -29.557 | 36.383 | 8.024 | -25.403 | 29.888 | 9.759 | 0.116 | 278.046 | 8.214 | 0.116 | 306.104 | 6.518 | 0.116 | 87.585 | 0.174 | 0.116 | 33.716 | 0.172 |
| 64 | 16672 | 16673 | SN | 1 | -34.577 | 27.125 | 0.39 | -34.994 | 27.511 | 1.541 | -29.557 | 36.383 | 8.028 | -25.403 | 29.888 | 9.761 | 0.116 | 278.046 | 7.756 | 0.116 | 306.104 | 6.161 | 0.116 | 87.585 | 0.174 | 0.116 | 33.716 | 0.172 |
| 65 | 16672 | 16673 | NS | 1 | -34.326 | 24.856 | 0.145 | -34.79 | 25.701 | 0.024 | 9.086 | 31.568 | 10.2 | 7.211 | 32.64 | 21.777 | 0.116 | 262.472 | 4.935 | 0.116 | 292.012 | 4.836 | 0.116 | 0.125 | 0.0 | 0.116 | 0.13 | 0.0 |
| 66 | 16673 | 16674 | SN | 1 | -33.851 | 23.666 | 0.093 | -34.812 | 24.78 | 0.583 | -0.325 | 28.938 | 7.225 | 1.557 | 28.487 | 3.886 | 0.116 | 235.262 | 4.318 | 0.116 | 293.507 | 3.918 | 0.116 | 0.207 | 0.0 | 0.116 | 0.173 | 0.0 |
| 67 | 16673 | 16674 | NS | 1 | -34.289 | 24.884 | 0.071 | -34.83 | 25.362 | 0.022 | -8.361 | 30.883 | 6.849 | -4.161 | 30.781 | 16.788 | 0.116 | 260.21 | 1.942 | 0.116 | 294.788 | 2.103 | 0.116 | 0.757 | 0.0 | 0.116 | 0.35 | 0.0 |
| 68 | 16674 | 16675 | NS | 1 | -34.916 | 22.922 | 0.001 | -34.295 | 23.179 | 0.001 | -6.262 | 28.275 | 7.735 | -21.932 | 28.374 | 15.182 | 0.116 | 300.597 | 5.733 | 0.116 | 260.642 | 6.395 | 0.116 | 0.504 | 0.0 | 0.116 | 15.207 | 0.002 |
| 69 | 16674 | 16675 | SN | 1 | -34.849 | 22.311 | 0.003 | -34.472 | 22.314 | 0.005 | 5.695 | 27.096 | 12.593 | 7.407 | 27.328 | 8.958 | 0.116 | 296.019 | 1.876 | 0.116 | 271.365 | 1.778 | 0.116 | 0.137 | 0.0 | 0.116 | 0.13 | 0.0 |
| 70 | 16675 | 16676 | SN | 1 | -34.677 | 22.118 | 0.001 | -34.696 | 22.418 | 0.001 | 6.061 | 26.943 | 9.727 | 6.092 | 27.469 | 8.42 | 0.116 | 284.519 | 2.075 | 0.116 | 285.741 | 1.612 | 0.116 | 0.135 | 0.0 | 0.116 | 0.135 | 0.0 |
| 71 | 16675 | 16676 | NS | 1 | -34.985 | 24.369 | 0.005 | -34.954 | 22.436 | 0.004 | -17.513 | 31.398 | 5.145 | -17.52 | 31.134 | 10.308 | 0.116 | 305.487 | 5.065 | 0.116 | 303.283 | 5.204 | 0.116 | 5.555 | 0.006 | 0.116 | 5.563 | 0.004 |
| 72 | 16676 | 16677 | SN | 1 | -34.922 | 23.052 | 0.019 | -34.393 | 23.772 | 0.235 | 5.672 | 27.091 | 12.533 | 7.516 | 27.667 | 16.267 | 0.116 | 301.04 | 6.037 | 0.116 | 273.152 | 4.97 | 0.116 | 0.137 | 0.0 | 0.116 | 0.129 | 0.0 |

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

Normal

Deviations

Alarming

High Errors

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|
| 73 | 16676 | 16677 | NS | 1 | -34.665 | 22.033 | 0.003 | -33.809 | 23.021 | 0.03 | -4.409 | 28.986 | 4.645 | -3.79 | 29.853 | 11.261 | 0.116 | 283.797 | 2.886 | 0.116 | 233.06 | 2.722 | 0.116 | 0.364 | 0.0 | 0.116 | 0.329 | 0.0 |
| 74 | 16676 | 16677 | SN | 1 | -34.923 | 23.052 | 0.018 | -34.368 | 23.772 | 0.232 | 5.672 | 27.091 | 12.223 | 7.516 | 27.667 | 15.876 | 0.116 | 301.173 | 5.849 | 0.116 | 268.268 | 4.818 | 0.116 | 0.137 | 0.0 | 0.116 | 0.129 | 0.0 |
| 75 | 16676 | 16677 | NS | 2 | -34.665 | 22.033 | 0.003 | -33.785 | 23.021 | 0.03 | -4.409 | 28.986 | 4.689 | -3.79 | 29.853 | 11.26 | 0.116 | 283.797 | 2.888 | 0.116 | 231.727 | 2.723 | 0.116 | 0.364 | 0.0 | 0.116 | 0.329 | 0.0 |
| 76 | 16677 | 16678 | SN | 1 | -34.031 | 22.958 | 0.079 | -34.75 | 23.578 | 0.315 | 4.672 | 27.56 | 10.843 | 8.173 | 27.815 | 10.755 | 0.116 | 245.224 | 3.331 | 0.116 | 289.39 | 2.689 | 0.116 | 0.143 | 0.0 | 0.116 | 0.127 | 0.0 |
| 77 | 16677 | 16678 | NS | 1 | -34.552 | 22.935 | 0.026 | -34.261 | 24.028 | 0.113 | -11.294 | 28.747 | 5.636 | -6.717 | 30.003 | 10.495 | 0.116 | 276.473 | 3.247 | 0.116 | 258.549 | 2.582 | 0.116 | 1.396 | 0.002 | 0.116 | 0.549 | 0.0 |
| 78 | 16678 | 16679 | NS | 1 | -34.436 | 27.138 | 0.068 | -34.841 | 29.005 | 0.176 | 7.455 | 26.997 | 10.164 | 7.348 | 27.992 | 19.198 | 0.116 | 269.161 | 2.07 | 0.116 | 295.476 | 1.857 | 0.116 | 0.13 | 0.0 | 0.116 | 0.13 | 0.0 |
| 79 | 16678 | 16679 | SN | 1 | -34.758 | 23.249 | 0.12 | -34.73 | 24.998 | 0.683 | -2.425 | 31.213 | 8.485 | -2.692 | 33.943 | 10.53 | 0.116 | 289.854 | 7.536 | 0.116 | 288.08 | 5.567 | 0.116 | 0.269 | 0.0 | 0.116 | 0.279 | 0.0 |
| 80 | 16679 | 16680 | SN | 1 | -34.991 | 22.546 | 0.009 | -33.461 | 23.84 | 0.012 | -7.501 | 30.096 | 11.522 | -3.036 | 29.73 | 13.296 | 0.116 | 305.871 | 2.192 | 0.116 | 215.091 | 1.897 | 0.116 | 0.638 | 0.0 | 0.116 | 0.293 | 0.0 |
| 81 | 16679 | 16680 | SN | 1 | -34.991 | 22.546 | 0.008 | -33.461 | 23.84 | 0.197 | -7.5 | 30.096 | 10.789 | -3.036 | 29.73 | 13.244 | 0.116 | 305.871 | 2.494 | 0.116 | 215.091 | 2.127 | 0.116 | 0.638 | 0.0 | 0.116 | 0.293 | 0.0 |
| 82 | 16679 | 16680 | NS | 1 | -33.228 | 23.75 | 0.046 | -34.691 | 24.293 | 0.186 | 2.13 | 29.39 | 12.989 | 0.664 | 30.154 | 22.355 | 0.116 | 203.834 | 2.342 | 0.116 | 285.516 | 1.93 | 0.116 | 0.166 | 0.0 | 0.116 | 0.187 | 0.0 |
| 83 | 16680 | 16681 | NS | 1 | -34.049 | 28.187 | 0.053 | -34.99 | 23.58 | 0.051 | -16.601 | 29.217 | 21.188 | -25.623 | 30.684 | 34.029 | 0.116 | 246.302 | 7.51 | 0.116 | 305.762 | 6.345 | 0.116 | 4.52 | 0.003 | 0.116 | 35.457 | 0.016 |
| 84 | 16680 | 16681 | SN | 1 | -34.747 | 24.345 | 0.017 | -34.868 | 24.533 | 0.201 | -10.993 | 28.136 | 14.848 | 1.303 | 29.523 | 15.104 | 0.116 | 289.209 | 5.16 | 0.116 | 297.269 | 4.04 | 0.116 | 1.309 | 0.002 | 0.116 | 0.177 | 0.0 |
| 85 | 16681 | 16682 | SN | 1 | -34.772 | 24.998 | 0.026 | -34.843 | 25.738 | 0.229 | -10.132 | 32.428 | 14.505 | -11.574 | 29.24 | 14.908 | 0.116 | 298.379 | 9.25 | 0.116 | 295.569 | 6.481 | 0.116 | 1.09 | 0.004 | 0.116 | 1.483 | 0.004 |
| 86 | 16681 | 16682 | NS | 1 | -34.631 | 28.963 | 0.106 | -34.738 | 27.364 | 0.202 | -33.194 | 35.4 | 11.443 | -26.303 | 33.705 | 20.677 | 0.116 | 281.524 | 1.826 | 0.116 | 288.563 | 1.501 | 0.116 | 202.224 | 0.185 | 0.116 | 41.463 | 0.258 |
| 87 | 16682 | 16683 | NS | 1 | -34.742 | 25.233 | 0.165 | -34.55 | 27.599 | 0.699 | 3.354 | 29.321 | 16.652 | 4.383 | 29.28 | 23.972 | 0.116 | 288.891 | 2.712 | 0.116 | 276.364 | 2.542 | 0.116 | 0.153 | 0.0 | 0.116 | 0.145 | 0.0 |
| 88 | 16683 | 16684 | NS | 1 | -34.054 | 27.026 | 0.46 | -33.368 | 28.315 | 0.799 | 6.73 | 28.518 | 16.653 | 9.364 | 28.45 | 33.905 | 0.116 | 246.514 | 1.975 | 0.116 | 210.584 | 2.098 | 0.116 | 0.132 | 0.0 | 0.116 | 0.125 | 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 |

| | | | | | 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 | 16657 | 16658 | SN | 1 | 57.586 | 58.252 | 0.0 | 0.0 | 299.382 | 4.124 | 1220.104 | 1267.112 | 0.0 | -93.156 | -92.13 | 0.0 |
| 2 | 16657 | 16658 | SN | 1 | 57.587 | 58.254 | 0.0 | 0.0 | 282.164 | 3.394 | 1220.344 | 1267.176 | 0.0 | -93.157 | -92.129 | 0.0 |
| 3 | 16657 | 16658 | SN | 2 | 57.587 | 58.254 | 0.0 | 0.0 | 299.382 | 4.124 | 1220.344 | 1267.176 | 0.0 | -93.157 | -92.129 | 0.0 |
| 4 | 16658 | 16659 | NS | 1 | 57.503 | 58.131 | 0.0 | 0.0 | 296.707 | 3.712 | 1208.064 | 1264.872 | 2.755 | -93.13 | -92.014 | 0.0 |
| 5 | 16658 | 16659 | NS | 1 | 57.503 | 58.131 | 0.0 | 0.0 | 296.707 | 3.716 | 1208.248 | 1264.872 | 2.744 | -93.132 | -92.014 | 0.0 |
| 6 | 16658 | 16659 | SN | 2 | 57.611 | 58.268 | 0.0 | 0.0 | 296.966 | 3.832 | 1220.376 | 1267.096 | 0.0 | -93.198 | -92.117 | 0.0 |
| 7 | 16658 | 16659 | SN | 1 | 57.611 | 58.268 | 0.0 | 0.0 | 296.95 | 3.832 | 1220.376 | 1267.104 | 0.0 | -93.198 | -92.117 | 0.0 |
| 8 | 16658 | 16659 | SN | 1 | 57.611 | 58.268 | 0.0 | 0.0 | 296.928 | 3.458 | 1220.376 | 1267.096 | 0.0 | -93.198 | -92.117 | 0.0 |
| 9 | 16659 | 16660 | NS | 1 | 57.482 | 58.116 | 0.0 | 0.0 | 299.442 | 3.67 | 1207.896 | 1265.096 | 2.387 | -93.032 | -91.985 | 0.0 |
| 10 | 16659 | 16660 | SN | 1 | 57.571 | 58.28 | 0.0 | 0.0 | 296.668 | 3.667 | 1219.808 | 1267.272 | 0.0 | -93.206 | -92.149 | 0.0 |
| 11 | 16659 | 16660 | SN | 1 | 57.571 | 58.28 | 0.0 | 0.0 | 296.652 | 3.302 | 1219.808 | 1267.272 | 0.0 | -93.206 | -92.149 | 0.0 |
| 12 | 16659 | 16660 | SN | 1 | 57.586 | 58.284 | 0.0 | 0.0 | 296.674 | 3.306 | 1219.872 | 1267.288 | 0.0 | -93.206 | -92.149 | 0.0 |
| 13 | 16659 | 16660 | NS | 2 | 57.482 | 58.116 | 0.0 | 0.0 | 299.442 | 3.67 | 1207.896 | 1265.096 | 2.386 | -93.032 | -91.985 | 0.0 |
| 14 | 16660 | 16661 | SN | 2 | 57.607 | 58.275 | 0.0 | 0.0 | 294.942 | 3.755 | 1219.616 | 1267.176 | 0.0 | -93.56 | -92.148 | 0.0 |
| 15 | 16660 | 16661 | SN | 1 | 57.607 | 58.275 | 0.0 | 0.0 | 294.942 | 3.367 | 1219.616 | 1267.176 | 0.0 | -93.56 | -92.148 | 0.0 |
| 16 | 16660 | 16661 | NS | 1 | 57.488 | 58.141 | 0.0 | 0.0 | 298.88 | 3.695 | 1208.184 | 1265.024 | 2.088 | -93.136 | -92.033 | 0.0 |
| 17 | 16660 | 16661 | NS | 1 | 57.488 | 58.144 | 0.0 | 0.0 | 298.88 | 3.699 | 1208.184 | 1265.024 | 2.091 | -93.126 | -92.033 | 0.0 |
| 18 | 16660 | 16661 | SN | 1 | 57.607 | 58.275 | 0.0 | 0.0 | 294.942 | 3.755 | 1219.616 | 1267.176 | 0.0 | -93.56 | -92.148 | 0.0 |
| 19 | 16661 | 16662 | NS | 1 | 57.481 | 58.116 | 0.0 | 0.0 | 297.849 | 3.921 | 1209.032 | 1264.912 | 2.029 | -93.135 | -92.0 | 0.0 |
| 20 | 16661 | 16662 | SN | 1 | 57.593 | 58.252 | 0.0 | 0.0 | 287.69 | 3.289 | 1219.976 | 1267.048 | 0.0 | -93.118 | -92.147 | 0.0 |
| 21 | 16661 | 16662 | SN | 2 | 57.592 | 58.251 | 0.0 | 0.0 | 287.729 | 3.752 | 1219.976 | 1267.032 | 0.0 | -93.118 | -92.147 | 0.0 |
| 22 | 16661 | 16662 | NS | 1 | 57.481 | 58.133 | 0.0 | 0.0 | 297.849 | 3.925 | 1209.032 | 1264.912 | 2.031 | -93.103 | -92.0 | 0.0 |
| 23 | 16661 | 16662 | SN | 1 | 57.593 | 58.252 | 0.0 | 0.0 | 287.69 | 3.753 | 1219.976 | 1267.048 | 0.0 | -93.118 | -92.147 | 0.0 |
| 24 | 16662 | 16663 | SN | 1 | 57.571 | 58.251 | 0.0 | 0.0 | 299.641 | 3.114 | 1220.336 | 1266.976 | 0.0 | -93.174 | -92.146 | 0.0 |
| 25 | 16662 | 16663 | SN | 1 | 57.571 | 58.251 | 0.0 | 0.0 | 299.641 | 3.715 | 1220.336 | 1266.976 | 0.0 | -93.174 | -92.146 | 0.0 |
| 26 | 16662 | 16663 | NS | 1 | 57.501 | 58.127 | 0.0 | 0.0 | 287.227 | 3.819 | 1209.008 | 1264.824 | 2.176 | -93.111 | -92.018 | 0.0 |
| 27 | 16662 | 16663 | SN | 1 | 57.571 | 58.251 | 0.0 | 0.0 | 299.641 | 3.718 | 1220.336 | 1266.976 | 0.0 | -93.174 | -92.146 | 0.0 |
| 28 | 16662 | 16663 | NS | 1 | 57.477 | 58.122 | 0.0 | 0.0 | 287.227 | 3.808 | 1208.888 | 1264.824 | 2.179 | -93.148 | -92.018 | 0.0 |
| 29 | 16663 | 16664 | SN | 1 | 57.6 | 58.264 | 0.0 | 0.0 | 299.233 | 2.965 | 1219.808 | 1266.96 | 0.0 | -93.181 | -92.142 | 0.0 |
| 30 | 16663 | 16664 | SN | 1 | 57.6 | 58.264 | 0.0 | 0.0 | 299.233 | 3.829 | 1219.808 | 1266.96 | 0.0 | -93.181 | -92.142 | 0.0 |
| 31 | 16663 | 16664 | NS | 1 | 57.48 | 58.141 | 0.0 | 0.0 | 297.926 | 3.822 | 1208.096 | 1264.784 | 2.489 | -93.621 | -92.032 | 0.0 |
| 32 | 16663 | 16664 | SN | 1 | 57.59 | 58.268 | 0.0 | 0.0 | 299.227 | 3.824 | 1219.88 | 1266.912 | 0.0 | -93.181 | -92.143 | 0.0 |
| 33 | 16663 | 16664 | NS | 1 | 57.484 | 58.133 | 0.0 | 0.0 | 297.926 | 3.833 | 1208.576 | 1264.784 | 2.485 | -93.122 | -92.032 | 0.0 |
| 34 | 16664 | 16665 | SN | 1 | 57.608 | 58.279 | 0.0 | 0.0 | 279.754 | 2.621 | 1220.864 | 1267.184 | 0.0 | -93.116 | -92.134 | 0.0 |

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

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|  Normal |  Deviations |
|  Alarming |  High Errors |

| | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|-------|---------|---------|-----|
| 35 | 16664 | 16665 | SN | 1 | 57.608 | 58.279 | 0.0 | 0.0 | 297.176 | 3.866 | 1220.864 | 1267.184 | 0.0 | -95.661 | -92.134 | 0.0 |
| 36 | 16664 | 16665 | SN | 1 | 57.608 | 58.278 | 0.0 | 0.0 | 297.176 | 3.862 | 1220.808 | 1267.184 | 0.0 | -95.661 | -92.134 | 0.0 |
| 37 | 16664 | 16665 | NS | 1 | 57.484 | 58.144 | 0.0 | 0.0 | 299.244 | 3.88 | 1208.576 | 1264.952 | 3.121 | -93.13 | -92.031 | 0.0 |
| 38 | 16665 | 16666 | NS | 1 | 57.37 | 58.144 | 0.0 | 0.0 | 299.145 | 3.848 | 1207.816 | 1265.048 | 3.057 | -94.9 | -92.004 | 0.0 |
| 39 | 16665 | 16666 | NS | 2 | 57.481 | 58.144 | 0.0 | 0.0 | 299.145 | 3.847 | 1207.816 | 1265.048 | 3.056 | -93.452 | -92.004 | 0.0 |
| 40 | 16665 | 16666 | SN | 1 | 57.477 | 58.288 | 0.0 | 0.0 | 294.644 | 3.753 | 1219.944 | 1267.28 | 0.0 | -94.846 | -92.095 | 0.0 |
| 41 | 16666 | 16667 | NS | 1 | 57.49 | 58.127 | 0.0 | 0.0 | 299.768 | 4.087 | 1207.872 | 1264.968 | 2.669 | -93.111 | -92.003 | 0.0 |
| 42 | 16666 | 16667 | SN | 1 | 57.572 | 58.279 | 0.0 | 0.0 | 289.659 | 3.76 | 1220.048 | 1267.248 | 0.0 | -93.198 | -92.142 | 0.0 |
| 43 | 16667 | 16668 | NS | 1 | 57.478 | 58.113 | 0.0 | 0.0 | 299.933 | 3.782 | 1207.84 | 1264.928 | 2.967 | -93.084 | -92.031 | 0.0 |
| 44 | 16667 | 16668 | SN | 2 | 57.588 | 58.254 | 0.0 | 0.0 | 285.076 | 3.884 | 1220.848 | 1267.16 | 0.0 | -93.211 | -92.118 | 0.0 |
| 45 | 16667 | 16668 | SN | 1 | 57.587 | 58.254 | 0.0 | 0.0 | 285.153 | 3.887 | 1220.848 | 1267.144 | 0.0 | -93.211 | -92.118 | 0.0 |
| 46 | 16667 | 16668 | NS | 1 | 57.483 | 58.113 | 0.0 | 0.0 | 299.933 | 3.778 | 1208.024 | 1264.928 | 2.987 | -93.029 | -92.031 | 0.0 |
| 47 | 16668 | 16669 | NS | 1 | 57.487 | 58.127 | 0.0 | 0.003 | 290.403 | 3.274 | 1208.504 | 1264.2 | 3.301 | -93.126 | -92.029 | 0.0 |
| 48 | 16668 | 16669 | NS | 1 | 57.477 | 58.141 | 0.0 | 0.0 | 290.403 | 3.751 | 1208.504 | 1265.024 | 3.254 | -93.122 | -92.029 | 0.0 |
| 49 | 16668 | 16669 | NS | 1 | 57.487 | 58.127 | 0.0 | 0.0 | 290.403 | 3.753 | 1208.504 | 1265.056 | 3.258 | -93.147 | -92.029 | 0.0 |
| 50 | 16668 | 16669 | SN | 1 | 57.578 | 58.275 | 0.0 | 0.0 | 281.486 | 3.812 | 1219.984 | 1267.304 | 0.0 | -93.163 | -92.122 | 0.0 |
| 51 | 16668 | 16669 | SN | 1 | 57.583 | 58.275 | 0.0 | 0.0 | 281.486 | 3.815 | 1219.984 | 1267.304 | 0.0 | -93.213 | -92.122 | 0.0 |
| 52 | 16669 | 16670 | NS | 2 | 57.467 | 58.141 | 0.0 | 0.0 | 295.565 | 3.794 | 1207.328 | 1265.12 | 3.812 | -93.16 | -92.028 | 0.0 |
| 53 | 16669 | 16670 | SN | 1 | 57.577 | 58.283 | 0.0 | 0.003 | 298.924 | 3.731 | 1220.76 | 1267.36 | 0.0 | -93.157 | -92.143 | 0.0 |
| 54 | 16669 | 16670 | NS | 1 | 57.467 | 58.141 | 0.0 | 0.0 | 295.565 | 3.794 | 1207.328 | 1265.12 | 3.812 | -93.16 | -92.028 | 0.0 |
| 55 | 16669 | 16670 | NS | 1 | 57.467 | 58.141 | 0.0 | 0.003 | 268.74 | 3.003 | 1207.328 | 1262.712 | 4.011 | -93.16 | -92.028 | 0.0 |
| 56 | 16670 | 16671 | NS | 1 | 57.486 | 58.146 | 0.0 | 0.0 | 272.822 | 2.508 | 1207.848 | 1261.224 | 4.566 | -93.171 | -92.026 | 0.0 |
| 57 | 16670 | 16671 | NS | 1 | 57.486 | 58.125 | 0.0 | 0.0 | 297.148 | 4.0 | 1207.848 | 1265.224 | 4.149 | -93.178 | -92.026 | 0.0 |
| 58 | 16670 | 16671 | SN | 1 | 57.576 | 58.279 | 0.0 | 0.0 | 299.9 | 3.725 | 1220.568 | 1267.504 | 0.0 | -93.175 | -92.153 | 0.0 |
| 59 | 16671 | 16672 | NS | 1 | 57.468 | 58.133 | 0.0 | 0.0 | 296.415 | 2.183 | 1207.416 | 1257.256 | 5.214 | -93.046 | -92.005 | 0.0 |
| 60 | 16671 | 16672 | SN | 1 | 57.581 | 58.275 | 0.0 | 0.0 | 297.11 | 4.034 | 1220.032 | 1267.6 | 0.0 | -93.181 | -92.155 | 0.0 |
| 61 | 16671 | 16672 | SN | 1 | 57.581 | 58.275 | 0.0 | 0.003 | 297.11 | 2.913 | 1220.032 | 1267.6 | 0.0 | -93.181 | -92.155 | 0.0 |
| 62 | 16671 | 16672 | NS | 1 | 57.468 | 58.133 | 0.0 | 0.0 | 298.064 | 3.869 | 1207.416 | 1265.312 | 4.416 | -93.115 | -92.005 | 0.0 |
| 63 | 16672 | 16673 | SN | 1 | 57.588 | 58.293 | 0.0 | 0.0 | 284.982 | 3.592 | 1220.88 | 1267.384 | 0.0 | -93.184 | -92.11 | 0.0 |
| 64 | 16672 | 16673 | SN | 1 | 57.588 | 58.293 | 0.0 | 0.0 | 284.982 | 4.03 | 1220.88 | 1267.384 | 0.0 | -93.184 | -92.11 | 0.0 |
| 65 | 16672 | 16673 | NS | 1 | 57.492 | 58.128 | 0.0 | 0.0 | 290.789 | 4.073 | 1207.68 | 1265.144 | 3.17 | -93.126 | -92.011 | 0.0 |
| 66 | 16673 | 16674 | SN | 1 | 57.594 | 58.292 | 0.0 | 0.0 | 299.707 | 3.403 | 1219.896 | 1267.6 | 0.0 | -93.162 | -92.129 | 0.0 |
| 67 | 16673 | 16674 | NS | 1 | 57.5 | 58.135 | 0.0 | 0.0 | 291.12 | 3.665 | 1208.472 | 1265.408 | 2.849 | -93.169 | -92.001 | 0.0 |
| 68 | 16674 | 16675 | NS | 1 | 57.485 | 58.155 | 0.0 | 0.0 | 296.834 | 3.754 | 1207.816 | 1265.512 | 2.83 | -93.118 | -92.009 | 0.0 |
| 69 | 16674 | 16675 | SN | 1 | 57.579 | 58.286 | 0.0 | 0.0 | 298.417 | 3.685 | 1220.248 | 1267.608 | 0.0 | -93.37 | -92.15 | 0.0 |
| 70 | 16675 | 16676 | SN | 1 | 57.593 | 58.254 | 0.0 | 0.0 | 299.316 | 3.689 | 1220.208 | 1267.472 | 0.0 | -93.13 | -92.118 | 0.0 |
| 71 | 16675 | 16676 | NS | 1 | 57.488 | 58.12 | 0.0 | 0.0 | 299.277 | 3.786 | 1208.032 | 1265.4 | 2.448 | -93.059 | -92.006 | 0.0 |

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

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

| | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|--------|--------|-----|-----|---------|-------|----------|----------|-------|---------|---------|-----|
| 72 | 16676 | 16677 | SN | 1 | 57.578 | 58.286 | 0.0 | 0.0 | 297.838 | 3.175 | 1219.968 | 1267.432 | 0.0 | -93.155 | -92.15 | 0.0 |
| 73 | 16676 | 16677 | NS | 1 | 57.47 | 58.123 | 0.0 | 0.0 | 297.369 | 3.815 | 1208.704 | 1265.32 | 2.969 | -93.148 | -92.022 | 0.0 |
| 74 | 16676 | 16677 | SN | 1 | 57.577 | 58.284 | 0.0 | 0.0 | 297.838 | 3.68 | 1219.96 | 1267.384 | 0.0 | -93.243 | -92.15 | 0.0 |
| 75 | 16676 | 16677 | NS | 2 | 57.471 | 58.124 | 0.0 | 0.0 | 297.314 | 3.834 | 1208.728 | 1265.312 | 2.92 | -93.148 | -92.022 | 0.0 |
| 76 | 16677 | 16678 | SN | 1 | 57.58 | 58.277 | 0.0 | 0.0 | 286.648 | 3.806 | 1220.192 | 1267.264 | 0.0 | -93.206 | -92.148 | 0.0 |
| 77 | 16677 | 16678 | NS | 1 | 57.504 | 58.124 | 0.0 | 0.0 | 297.865 | 3.825 | 1208.28 | 1265.12 | 2.988 | -93.076 | -92.026 | 0.0 |
| 78 | 16678 | 16679 | NS | 1 | 57.466 | 58.144 | 0.0 | 0.0 | 289.284 | 3.81 | 1207.76 | 1265.168 | 3.399 | -93.254 | -92.029 | 0.0 |
| 79 | 16678 | 16679 | SN | 1 | 57.389 | 58.256 | 0.0 | 0.0 | 282.18 | 3.912 | 1219.936 | 1267.44 | 0.0 | -94.825 | -92.131 | 0.0 |
| 80 | 16679 | 16680 | SN | 1 | 57.606 | 58.263 | 0.0 | 0.0 | 282.092 | 2.404 | 1220.976 | 1267.544 | 0.0 | -93.202 | -92.116 | 0.0 |
| 81 | 16679 | 16680 | SN | 1 | 57.606 | 58.263 | 0.0 | 0.0 | 298.604 | 3.776 | 1220.976 | 1267.544 | 0.0 | -93.202 | -92.116 | 0.0 |
| 82 | 16679 | 16680 | NS | 1 | 57.468 | 58.143 | 0.0 | 0.0 | 299.729 | 3.92 | 1207.4 | 1265.36 | 3.711 | -93.351 | -92.025 | 0.0 |
| 83 | 16680 | 16681 | NS | 1 | 57.499 | 58.14 | 0.0 | 0.0 | 299.873 | 3.987 | 1208.24 | 1265.424 | 3.31 | -93.265 | -91.989 | 0.0 |
| 84 | 16680 | 16681 | SN | 1 | 57.605 | 58.257 | 0.0 | 0.0 | 296.933 | 3.724 | 1220.128 | 1267.648 | 0.0 | -93.124 | -92.104 | 0.0 |
| 85 | 16681 | 16682 | SN | 1 | 57.592 | 58.292 | 0.0 | 0.0 | 298.874 | 3.752 | 1220.232 | 1267.544 | 0.0 | -93.2 | -92.139 | 0.0 |
| 86 | 16681 | 16682 | NS | 1 | 57.502 | 58.125 | 0.0 | 0.0 | 298.654 | 3.934 | 1207.552 | 1265.312 | 3.422 | -93.033 | -92.004 | 0.0 |
| 87 | 16682 | 16683 | NS | 1 | 57.496 | 58.142 | 0.0 | 0.0 | 298.544 | 3.483 | 1207.544 | 1264.976 | 3.725 | -93.163 | -92.028 | 0.0 |
| 88 | 16683 | 16684 | NS | 1 | 57.463 | 58.142 | 0.0 | 0.0 | 284.469 | 3.272 | 1207.608 | 1263.4 | 4.214 | -93.32 | -92.024 | 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 | 16657 | 16658 | SN | 1 | -34.895 | 20.306 | 0.0 | -34.953 | 20.213 | 0.0 | -29.967 | 22.387 | 0.005 | -26.933 | 22.45 | 0.004 | 0.086 | 228.672 | 5.192 | 0.086 | 231.688 | 3.912 | 0.086 | 73.562 | 0.095 | 0.086 | 36.614 | 0.049 |
| 2 | 16657 | 16658 | SN | 1 | -34.882 | 20.306 | 0.0 | -34.979 | 20.213 | 0.0 | -29.994 | 22.387 | 0.005 | -26.993 | 22.45 | 0.004 | 0.086 | 227.996 | 5.401 | 0.086 | 233.122 | 4.346 | 0.086 | 74.04 | 0.096 | 0.086 | 37.127 | 0.049 |
| 3 | 16657 | 16658 | SN | 2 | -34.882 | 20.306 | 0.0 | -34.979 | 20.213 | 0.0 | -29.994 | 22.387 | 0.005 | -26.993 | 22.45 | 0.004 | 0.086 | 227.996 | 5.192 | 0.086 | 233.122 | 3.911 | 0.086 | 74.04 | 0.095 | 0.086 | 37.127 | 0.049 |
| 4 | 16658 | 16659 | NS | 1 | -34.838 | 17.864 | 0.0 | -34.298 | 18.852 | 0.0 | -4.129 | 22.322 | 0.004 | -6.316 | 23.73 | 0.032 | 0.086 | 225.698 | 2.099 | 0.086 | 199.342 | 1.813 | 0.086 | 0.262 | 0.0 | 0.086 | 0.385 | 0.0 |
| 5 | 16658 | 16659 | NS | 1 | -34.057 | 17.865 | 0.0 | -34.868 | 18.847 | 0.0 | -4.119 | 22.322 | 0.004 | -6.319 | 23.73 | 0.032 | 0.086 | 188.578 | 2.091 | 0.086 | 227.266 | 1.808 | 0.086 | 0.261 | 0.0 | 0.086 | 0.385 | 0.0 |
| 6 | 16658 | 16659 | SN | 2 | -34.507 | 19.353 | 0.0 | -34.86 | 20.773 | 0.0 | -33.042 | 22.16 | 0.004 | -30.063 | 22.115 | 0.002 | 0.086 | 209.168 | 4.113 | 0.086 | 232.642 | 3.593 | 0.086 | 149.278 | 0.101 | 0.086 | 75.195 | 0.155 |
| 7 | 16658 | 16659 | SN | 1 | -34.507 | 19.353 | 0.0 | -34.86 | 20.773 | 0.0 | -33.042 | 22.16 | 0.004 | -30.063 | 22.115 | 0.002 | 0.086 | 209.168 | 4.113 | 0.086 | 232.642 | 3.593 | 0.086 | 149.278 | 0.101 | 0.086 | 75.195 | 0.155 |
| 8 | 16658 | 16659 | SN | 1 | -34.507 | 19.353 | 0.0 | -34.86 | 20.773 | 0.0 | -33.042 | 22.16 | 0.004 | -30.063 | 22.115 | 0.002 | 0.086 | 209.168 | 4.222 | 0.086 | 232.642 | 3.689 | 0.086 | 149.278 | 0.101 | 0.086 | 75.195 | 0.155 |
| 9 | 16659 | 16660 | NS | 1 | -33.494 | 16.847 | 0.0 | -34.741 | 16.417 | 0.0 | -10.326 | 22.634 | 0.005 | -33.081 | 22.712 | 0.019 | 0.087 | 165.628 | 1.702 | 0.087 | 220.693 | 1.638 | 0.086 | 0.864 | 0.0 | 0.086 | 150.6 | 0.065 |
| 10 | 16659 | 16660 | SN | 1 | -34.75 | 16.765 | 0.0 | -34.755 | 17.478 | 0.0 | -1.426 | 21.816 | 0.0 | 1.309 | 21.876 | 0.0 | 0.087 | 221.14 | 3.361 | 0.087 | 221.437 | 2.796 | 0.086 | 0.176 | 0.0 | 0.086 | 0.132 | 0.0 |
| 11 | 16659 | 16660 | SN | 1 | -34.75 | 16.736 | 0.0 | -34.755 | 17.478 | 0.0 | -1.426 | 21.816 | 0.0 | 1.309 | 21.876 | 0.0 | 0.087 | 221.166 | 3.42 | 0.087 | 221.437 | 2.836 | 0.086 | 0.176 | 0.0 | 0.086 | 0.132 | 0.0 |
| 12 | 16659 | 16660 | SN | 1 | -34.852 | 16.736 | 0.0 | -34.878 | 17.477 | 0.0 | -1.423 | 21.816 | 0.0 | 1.309 | 21.876 | 0.0 | 0.087 | 226.396 | 3.419 | 0.087 | 227.834 | 2.842 | 0.086 | 0.176 | 0.0 | 0.086 | 0.132 | 0.0 |
| 13 | 16659 | 16660 | NS | 2 | -33.494 | 16.847 | 0.0 | -34.741 | 16.417 | 0.0 | -10.326 | 22.634 | 0.005 | -33.081 | 22.712 | 0.019 | 0.087 | 165.628 | 1.702 | 0.087 | 220.693 | 1.638 | 0.086 | 0.864 | 0.0 | 0.086 | 150.6 | 0.065 |
| 14 | 16660 | 16661 | SN | 2 | -34.999 | 16.878 | 0.0 | -33.927 | 16.734 | 0.0 | 0.0 | 22.455 | 0.006 | 1.018 | 20.998 | 0.0 | 0.087 | 234.181 | 1.704 | 0.087 | 183.02 | 1.472 | 0.086 | 0.149 | 0.0 | 0.086 | 0.135 | 0.0 |
| 15 | 16660 | 16661 | SN | 1 | -34.999 | 16.911 | 0.0 | -33.927 | 16.736 | 0.0 | 0.0 | 22.455 | 0.006 | 1.018 | 20.998 | 0.0 | 0.087 | 234.181 | 1.74 | 0.087 | 183.02 | 1.492 | 0.086 | 0.149 | 0.0 | 0.086 | 0.135 | 0.0 |
| 16 | 16660 | 16661 | NS | 1 | -34.454 | 16.76 | 0.0 | -34.515 | 17.5 | 0.0 | -25.494 | 21.764 | 0.0 | -27.167 | 22.084 | 0.003 | 0.087 | 206.624 | 4.209 | 0.087 | 209.481 | 4.449 | 0.086 | 26.31 | 0.111 | 0.086 | 38.634 | 0.118 |
| 17 | 16660 | 16661 | NS | 1 | -34.832 | 16.76 | 0.0 | -34.55 | 17.5 | 0.0 | -25.528 | 21.764 | 0.0 | -27.167 | 22.084 | 0.003 | 0.087 | 225.345 | 4.215 | 0.087 | 211.263 | 4.445 | 0.086 | 26.513 | 0.111 | 0.086 | 38.634 | 0.118 |
| 18 | 16660 | 16661 | SN | 1 | -34.999 | 16.878 | 0.0 | -33.927 | 16.734 | 0.0 | 0.0 | 22.455 | 0.006 | 1.018 | 20.998 | 0.0 | 0.087 | 234.181 | 1.704 | 0.087 | 183.02 | 1.472 | 0.086 | 0.149 | 0.0 | 0.086 | 0.135 | 0.0 |
| 19 | 16661 | 16662 | NS | 1 | -33.732 | 15.972 | 0.0 | -33.138 | 16.072 | 0.0 | -24.325 | 22.364 | 0.005 | -27.32 | 22.763 | 0.01 | 0.087 | 174.974 | 0.891 | 0.087 | 152.618 | 0.832 | 0.086 | 20.112 | 0.008 | 0.086 | 40.025 | 0.005 |
| 20 | 16661 | 16662 | SN | 1 | -34.861 | 14.875 | 0.0 | -34.213 | 15.046 | 0.0 | 0.158 | 21.974 | 0.0 | 1.488 | 22.155 | 0.011 | 0.087 | 226.897 | 5.218 | 0.087 | 195.485 | 4.299 | 0.086 | 0.147 | 0.0 | 0.086 | 0.13 | 0.0 |
| 21 | 16661 | 16662 | SN | 2 | -34.956 | 15.028 | 0.0 | -34.213 | 15.851 | 0.0 | 0.158 | 21.974 | 0.0 | 1.487 | 22.155 | 0.01 | 0.087 | 231.859 | 5.096 | 0.087 | 195.485 | 4.208 | 0.086 | 0.147 | 0.0 | 0.086 | 0.13 | 0.0 |
| 22 | 16661 | 16662 | NS | 1 | -34.388 | 15.972 | 0.0 | -33.138 | 16.072 | 0.0 | -24.325 | 22.365 | 0.005 | -27.32 | 22.763 | 0.01 | 0.087 | 203.518 | 0.895 | 0.087 | 152.618 | 0.821 | 0.086 | 20.112 | 0.008 | 0.086 | 40.025 | 0.005 |
| 23 | 16661 | 16662 | SN | 1 | -34.861 | 15.028 | 0.0 | -34.213 | 15.851 | 0.0 | 0.158 | 21.974 | 0.0 | 1.488 | 22.155 | 0.01 | 0.087 | 226.897 | 5.097 | 0.087 | 195.485 | 4.209 | 0.086 | 0.147 | 0.0 | 0.086 | 0.13 | 0.0 |
| 24 | 16662 | 16663 | SN | 1 | -34.889 | 16.931 | 0.0 | -34.963 | 16.7 | 0.0 | 0.034 | 21.661 | 0.0 | 2.106 | 21.691 | 0.0 | 0.087 | 228.346 | 4.781 | 0.087 | 232.289 | 4.496 | 0.086 | 0.149 | 0.0 | 0.086 | 0.123 | 0.0 |
| 25 | 16662 | 16663 | SN | 1 | -34.889 | 16.931 | 0.0 | -34.963 | 16.7 | 0.0 | 0.034 | 21.661 | 0.0 | 2.106 | 21.691 | 0.0 | 0.087 | 228.346 | 4.643 | 0.087 | 232.289 | 4.328 | 0.086 | 0.149 | 0.0 | 0.086 | 0.123 | 0.0 |
| 26 | 16662 | 16663 | NS | 1 | -34.976 | 15.911 | 0.0 | -34.359 | 19.525 | 0.0 | -23.216 | 24.564 | 0.01 | -18.019 | 22.025 | 0.002 | 0.087 | 232.996 | 3.38 | 0.086 | 202.13 | 3.51 | 0.086 | 15.592 | 0.016 | 0.086 | 4.758 | 0.007 |
| 27 | 16662 | 16663 | SN | 1 | -34.889 | 16.931 | 0.0 | -34.963 | 16.7 | 0.0 | 0.034 | 21.661 | 0.0 | 2.106 | 21.691 | 0.0 | 0.087 | 228.346 | 4.645 | 0.087 | 232.289 | 4.329 | 0.086 | 0.149 | 0.0 | 0.086 | 0.123 | 0.0 |
| 28 | 16662 | 16663 | NS | 1 | -34.618 | 15.911 | 0.0 | -34.47 | 19.525 | 0.0 | -22.798 | 24.556 | 0.01 | -18.008 | 22.025 | 0.002 | 0.087 | 214.542 | 3.373 | 0.086 | 207.394 | 3.511 | 0.086 | 14.168 | 0.016 | 0.086 | 4.746 | 0.007 |
| 29 | 16663 | 16664 | SN | 1 | -34.722 | 16.549 | 0.0 | -34.866 | 17.454 | 0.0 | -0.168 | 22.933 | 0.033 | 5.702 | 22.69 | 0.077 | 0.087 | 219.773 | 4.599 | 0.087 | 227.192 | 3.97 | 0.086 | 0.152 | 0.0 | 0.086 | 0.101 | 0.0 |
| 30 | 16663 | 16664 | SN | 1 | -34.722 | 16.549 | 0.0 | -34.866 | 17.454 | 0.0 | -0.168 | 22.933 | 0.031 | 5.701 | 22.69 | 0.077 | 0.087 | 219.773 | 4.406 | 0.087 | 227.192 | 3.689 | 0.086 | 0.152 | 0.0 | 0.086 | 0.101 | 0.0 |
| 31 | 16663 | 16664 | NS | 1 | -34.686 | 20.64 | 0.0 | -34.977 | 20.749 | 0.0 | -19.76 | 21.579 | 0.0 | -28.025 | 22.693 | 0.003 | 0.086 | 217.955 | 2.437 | 0.086 | 241.06 | 2.393 | 0.086 | 7.072 | 0.112 | 0.086 | 47.064 | 0.195 |
| 32 | 16663 | 16664 | SN | 1 | -34.963 | 16.549 | 0.0 | -34.869 | 17.454 | 0.0 | -0.167 | 22.933 | 0.031 | 5.702 | 22.69 | 0.077 | 0.087 | 232.333 | 4.406 | 0.087 | 227.283 | 3.688 | 0.086 | 0.152 | 0.0 | 0.086 | 0.101 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|---------|--------|-------|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|
| 33 | 16663 | 16664 | NS | 1 | -34.465 | 20.64 | 0.0 | -34.406 | 20.756 | 0.0 | -19.866 | 21.581 | 0.0 | -28.013 | 22.693 | 0.003 | 0.086 | 207.156 | 2.436 | 0.086 | 204.35 | 2.392 | 0.086 | 7.244 | 0.112 | 0.086 | 46.927 | 0.194 |
| 34 | 16664 | 16665 | SN | 1 | -34.768 | 17.279 | 0.0 | -34.072 | 17.498 | 0.0 | -9.449 | 22.816 | 0.07 | -8.941 | 25.439 | 0.246 | 0.087 | 222.149 | 7.483 | 0.087 | 189.228 | 7.208 | 0.086 | 0.718 | 0.0 | 0.086 | 0.646 | 0.0 |
| 35 | 16664 | 16665 | SN | 1 | -34.768 | 17.279 | 0.0 | -34.072 | 17.498 | 0.0 | -9.449 | 22.816 | 0.066 | -8.941 | 25.439 | 0.245 | 0.087 | 222.149 | 6.945 | 0.087 | 189.228 | 6.189 | 0.086 | 0.718 | 0.0 | 0.086 | 0.646 | 0.0 |
| 36 | 16664 | 16665 | SN | 1 | -34.926 | 17.279 | 0.0 | -34.939 | 17.498 | 0.0 | -9.424 | 22.816 | 0.066 | -8.924 | 25.439 | 0.245 | 0.087 | 230.329 | 6.925 | 0.087 | 230.961 | 6.198 | 0.086 | 0.715 | 0.0 | 0.086 | 0.644 | 0.0 |
| 37 | 16664 | 16665 | NS | 1 | -34.866 | 20.794 | 0.0 | -34.99 | 20.062 | 0.0 | 0.167 | 21.934 | 0.0 | 1.044 | 22.713 | 0.059 | 0.086 | 227.174 | 2.915 | 0.086 | 233.722 | 2.97 | 0.086 | 0.147 | 0.0 | 0.086 | 0.135 | 0.0 |
| 38 | 16665 | 16666 | NS | 1 | -34.95 | 22.113 | 0.001 | -34.959 | 16.824 | 0.0 | 0.509 | 23.06 | 0.064 | -2.323 | 23.815 | 0.646 | 0.086 | 231.562 | 4.575 | 0.087 | 232.072 | 4.086 | 0.086 | 0.142 | 0.0 | 0.086 | 0.199 | 0.0 |
| 39 | 16665 | 16666 | NS | 2 | -34.832 | 22.108 | 0.002 | -34.959 | 16.824 | 0.0 | 0.509 | 23.06 | 0.064 | -2.328 | 23.815 | 0.644 | 0.086 | 225.387 | 4.575 | 0.087 | 232.072 | 4.083 | 0.086 | 0.142 | 0.0 | 0.086 | 0.199 | 0.0 |
| 40 | 16665 | 16666 | SN | 1 | -34.654 | 16.36 | 0.0 | -34.855 | 16.776 | 0.0 | -23.735 | 22.585 | 0.029 | -25.123 | 23.281 | 0.16 | 0.087 | 216.309 | 2.324 | 0.087 | 226.575 | 2.147 | 0.086 | 17.57 | 0.104 | 0.086 | 24.154 | 0.014 |
| 41 | 16666 | 16667 | NS | 1 | -34.588 | 21.146 | 0.0 | -34.784 | 18.832 | 0.0 | -31.282 | 22.588 | 0.153 | -26.452 | 23.465 | 0.745 | 0.086 | 213.031 | 2.437 | 0.086 | 222.87 | 2.354 | 0.086 | 99.556 | 0.126 | 0.086 | 32.779 | 0.073 |
| 42 | 16666 | 16667 | SN | 1 | -34.736 | 18.399 | 0.0 | -34.88 | 18.677 | 0.0 | -6.967 | 23.126 | 0.026 | -3.084 | 23.198 | 0.078 | 0.086 | 220.453 | 3.473 | 0.086 | 227.906 | 3.118 | 0.086 | 0.436 | 0.0 | 0.086 | 0.222 | 0.0 |
| 43 | 16667 | 16668 | NS | 1 | -34.77 | 21.545 | 0.0 | -34.041 | 20.854 | 0.0 | -1.855 | 22.308 | 0.016 | -5.632 | 23.242 | 0.32 | 0.086 | 222.218 | 3.112 | 0.086 | 187.867 | 2.968 | 0.086 | 0.186 | 0.0 | 0.086 | 0.339 | 0.0 |
| 44 | 16667 | 16668 | SN | 2 | -34.708 | 18.21 | 0.0 | -34.75 | 18.951 | 0.0 | -33.885 | 22.784 | 0.025 | -22.725 | 23.151 | 0.075 | 0.086 | 219.077 | 6.405 | 0.086 | 221.198 | 5.278 | 0.086 | 181.237 | 0.187 | 0.086 | 13.934 | 0.043 |
| 45 | 16667 | 16668 | SN | 1 | -34.708 | 18.21 | 0.0 | -34.764 | 18.951 | 0.0 | -34.057 | 22.784 | 0.025 | -22.725 | 23.151 | 0.075 | 0.086 | 219.077 | 6.403 | 0.086 | 221.867 | 5.278 | 0.086 | 188.566 | 0.187 | 0.086 | 13.934 | 0.043 |
| 46 | 16667 | 16668 | NS | 1 | -34.932 | 21.545 | 0.0 | -34.309 | 20.854 | 0.0 | -1.855 | 22.308 | 0.016 | -5.632 | 23.242 | 0.322 | 0.086 | 230.684 | 3.108 | 0.086 | 199.848 | 2.969 | 0.086 | 0.186 | 0.0 | 0.086 | 0.339 | 0.0 |
| 47 | 16668 | 16669 | NS | 1 | -33.998 | 20.512 | 0.0 | -34.215 | 21.601 | 0.0 | -7.278 | 22.877 | 0.064 | -2.978 | 23.185 | 0.354 | 0.086 | 186.05 | 1.644 | 0.086 | 195.56 | 1.596 | 0.086 | 0.463 | 0.0 | 0.086 | 0.218 | 0.0 |
| 48 | 16668 | 16669 | NS | 1 | -34.588 | 20.512 | 0.0 | -33.997 | 21.601 | 0.0 | -7.278 | 22.877 | 0.059 | -2.978 | 23.185 | 0.331 | 0.086 | 213.054 | 1.643 | 0.086 | 185.95 | 1.592 | 0.086 | 0.463 | 0.0 | 0.086 | 0.218 | 0.0 |
| 49 | 16668 | 16669 | NS | 1 | -33.998 | 20.512 | 0.0 | -34.215 | 21.601 | 0.0 | -7.278 | 22.877 | 0.059 | -2.978 | 23.185 | 0.331 | 0.086 | 186.05 | 1.643 | 0.086 | 195.56 | 1.596 | 0.086 | 0.463 | 0.0 | 0.086 | 0.218 | 0.0 |
| 50 | 16668 | 16669 | SN | 1 | -33.274 | 16.462 | 0.0 | -32.977 | 17.463 | 0.0 | -20.366 | 22.617 | 0.017 | -20.652 | 22.896 | 0.064 | 0.087 | 157.488 | 1.686 | 0.087 | 147.066 | 1.285 | 0.086 | 8.12 | 0.037 | 0.086 | 8.969 | 0.015 |
| 51 | 16668 | 16669 | SN | 1 | -34.666 | 16.465 | 0.0 | -32.977 | 17.461 | 0.0 | -20.366 | 22.617 | 0.017 | -20.652 | 22.896 | 0.064 | 0.087 | 216.918 | 1.687 | 0.087 | 147.066 | 1.285 | 0.086 | 8.12 | 0.037 | 0.086 | 8.969 | 0.015 |
| 52 | 16669 | 16670 | NS | 2 | -34.892 | 20.555 | 0.0 | -34.94 | 18.157 | 0.0 | -2.645 | 22.272 | 0.042 | -0.813 | 23.109 | 0.325 | 0.086 | 228.503 | 6.495 | 0.086 | 231.057 | 6.475 | 0.086 | 0.208 | 0.0 | 0.086 | 0.163 | 0.0 |
| 53 | 16669 | 16670 | SN | 1 | -34.696 | 16.813 | 0.0 | -34.903 | 17.424 | 0.0 | -23.582 | 22.659 | 0.13 | -28.325 | 22.874 | 0.214 | 0.087 | 218.424 | 2.346 | 0.087 | 229.096 | 2.055 | 0.086 | 16.964 | 0.069 | 0.086 | 50.435 | 0.09 |
| 54 | 16669 | 16670 | NS | 1 | -34.892 | 20.555 | 0.0 | -34.94 | 18.157 | 0.0 | -2.645 | 22.272 | 0.042 | -0.813 | 23.109 | 0.325 | 0.086 | 228.503 | 6.495 | 0.086 | 231.057 | 6.475 | 0.086 | 0.208 | 0.0 | 0.086 | 0.163 | 0.0 |
| 55 | 16669 | 16670 | NS | 1 | -34.813 | 20.555 | 0.0 | -34.94 | 18.157 | 0.0 | -2.645 | 22.272 | 0.064 | -0.813 | 23.105 | 0.457 | 0.086 | 224.438 | 6.519 | 0.086 | 231.057 | 6.469 | 0.086 | 0.208 | 0.0 | 0.086 | 0.163 | 0.0 |
| 56 | 16670 | 16671 | NS | 1 | -34.659 | 20.365 | 0.0 | -34.776 | 17.308 | 0.0 | 4.872 | 22.492 | 0.053 | 1.943 | 22.928 | 0.081 | 0.086 | 216.597 | 3.385 | 0.087 | 222.48 | 3.12 | 0.086 | 0.105 | 0.0 | 0.086 | 0.125 | 0.0 |
| 57 | 16670 | 16671 | NS | 1 | -34.659 | 20.365 | 0.0 | -34.776 | 17.413 | 0.0 | 1.289 | 22.492 | 0.056 | 1.94 | 22.925 | 0.363 | 0.086 | 216.597 | 3.345 | 0.087 | 222.48 | 3.12 | 0.086 | 0.132 | 0.0 | 0.086 | 0.125 | 0.0 |
| 58 | 16670 | 16671 | SN | 1 | -34.885 | 16.559 | 0.0 | -34.987 | 17.512 | 0.0 | 1.14 | 22.518 | 0.117 | 1.971 | 22.935 | 0.748 | 0.087 | 228.106 | 2.738 | 0.087 | 233.55 | 2.426 | 0.086 | 0.134 | 0.0 | 0.086 | 0.125 | 0.0 |
| 59 | 16671 | 16672 | NS | 1 | -34.357 | 16.892 | 0.0 | -34.823 | 16.214 | 0.0 | 2.678 | 21.216 | 0.0 | 0.177 | 19.526 | 0.0 | 0.087 | 202.04 | 3.241 | 0.087 | 224.908 | 3.113 | 0.086 | 0.118 | 0.0 | 0.086 | 0.146 | 0.0 |
| 60 | 16671 | 16672 | SN | 1 | -34.414 | 16.352 | 0.0 | -34.433 | 17.359 | 0.0 | 2.508 | 22.362 | 0.025 | 4.357 | 23.142 | 0.046 | 0.087 | 204.75 | 2.999 | 0.087 | 205.619 | 2.384 | 0.086 | 0.12 | 0.0 | 0.086 | 0.107 | 0.0 |
| 61 | 16671 | 16672 | SN | 1 | -34.414 | 14.08 | 0.0 | -34.433 | 16.909 | 0.0 | 2.508 | 22.266 | 0.005 | 4.357 | 23.123 | 0.044 | 0.088 | 204.75 | 3.067 | 0.087 | 205.619 | 2.634 | 0.086 | 0.12 | 0.0 | 0.086 | 0.107 | 0.0 |
| 62 | 16671 | 16672 | NS | 1 | -34.357 | 16.892 | 0.0 | -34.823 | 16.21 | 0.0 | 2.148 | 22.715 | 0.124 | 0.031 | 23.371 | 0.341 | 0.087 | 202.04 | 2.99 | 0.087 | 224.908 | 3.087 | 0.086 | 0.123 | 0.0 | 0.086 | 0.149 | 0.0 |
| 63 | 16672 | 16673 | SN | 1 | -34.976 | 20.056 | 0.0 | -34.892 | 20.351 | 0.0 | -31.347 | 22.108 | 0.001 | -30.424 | 22.016 | 0.002 | 0.086 | 238.91 | 7.829 | 0.086 | 228.543 | 5.948 | 0.086 | 101.039 | 0.09 | 0.086 | 81.724 | 0.074 |
| 64 | 16672 | 16673 | SN | 1 | -34.976 | 20.056 | 0.0 | -34.892 | 20.351 | 0.0 | -31.345 | 22.108 | 0.001 | -30.424 | 22.016 | 0.002 | 0.086 | 238.91 | 7.498 | 0.086 | 228.543 | 5.637 | 0.086 | 101.018 | 0.09 | 0.086 | 81.724 | 0.074 |
| 65 | 16672 | 16673 | NS | 1 | -34.886 | 18.629 | 0.0 | -34.903 | 18.806 | 0.0 | -1.7 | 23.244 | 0.002 | -0.509 | 23.439 | 0.06 | 0.086 | 228.213 | 4.415 | 0.086 | 229.129 | 5.067 | 0.086 | 0.182 | 0.0 | 0.086 | 0.158 | 0.0 |
| 66 | 16673 | 16674 | SN | 1 | -34.801 | 20.612 | 0.0 | -34.334 | 20.78 | 0.0 | -1.31 | 22.122 | 0.002 | 0.014 | 21.883 | 0.0 | 0.086 | 223.797 | 3.624 | 0.086 | 200.985 | 3.149 | 0.086 | 0.174 | 0.0 | 0.086 | 0.149 | 0.0 |
| 67 | 16673 | 16674 | NS | 1 | -34.773 | 18.575 | 0.0 | -34.996 | 19.531 | 0.0 | -11.471 | 22.245 | 0.003 | -13.511 | 22.704 | 0.027 | 0.086 | 222.321 | 2.008 | 0.086 | 234.013 | 1.884 | 0.086 | 1.104 | 0.002 | 0.086 | 1.727 | 0.003 |
| 68 | 16674 | 16675 | NS | 1 | -34.719 | 16.83 | 0.0 | -34.923 | 16.094 | 0.0 | -6.137 | 21.329 | 0.0 | -29.679 | 22.334 | 0.005 | 0.087 | 219.598 | 4.441 | 0.087 | 230.14 | 4.492 | 0.086 | 0.372 | 0.0 | 0.086 | 68.844 | 0.048 |
| 69 | 16674 | 16675 | SN | 1 | -34.837 | 17.472 | 0.0 | -33.868 | 17.251 | 0.0 | 1.088 | 21.717 | 0.0 | 1.718 | 21.607 | 0.0 | 0.087 | 225.591 | 1.649 | 0.087 | 180.52 | 1.425 | 0.086 | 0.134 | 0.0 | 0.086 | 0.127 | 0.0 |

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

 Normal

 Deviations

 Alarming

 High Errors

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|---------|--------|-----|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 70 | 16675 | 16676 | SN | 1 | -34.807 | 15.781 | 0.0 | -34.784 | 16.75 | 0.0 | 0.758 | 21.527 | 0.0 | 0.672 | 21.77 | 0.0 | 0.087 | 224.121 | 1.801 | 0.087 | 222.935 | 1.551 | 0.086 | 0.138 | 0.0 | 0.086 | 0.139 | 0.0 |
| 71 | 16675 | 16676 | NS | 1 | -34.871 | 16.25 | 0.0 | -34.963 | 17.475 | 0.0 | -28.768 | 21.918 | 0.0 | -21.454 | 22.299 | 0.005 | 0.087 | 227.427 | 4.207 | 0.087 | 232.306 | 4.619 | 0.086 | 55.821 | 0.017 | 0.086 | 10.415 | 0.022 |
| 72 | 16676 | 16677 | SN | 1 | -34.776 | 15.941 | 0.0 | -34.948 | 16.644 | 0.0 | -0.272 | 21.589 | 0.0 | 1.919 | 22.042 | 0.017 | 0.087 | 222.545 | 5.579 | 0.087 | 231.475 | 4.845 | 0.086 | 0.154 | 0.0 | 0.086 | 0.125 | 0.0 |
| 73 | 16676 | 16677 | NS | 1 | -34.809 | 17.084 | 0.0 | -34.745 | 16.454 | 0.0 | -11.599 | 21.883 | 0.0 | -24.716 | 22.129 | 0.001 | 0.087 | 224.188 | 2.691 | 0.087 | 220.937 | 2.994 | 0.086 | 1.136 | 0.006 | 0.086 | 22.003 | 0.009 |
| 74 | 16676 | 16677 | SN | 1 | -34.83 | 15.941 | 0.0 | -34.925 | 16.643 | 0.0 | -0.272 | 21.589 | 0.0 | 1.919 | 22.042 | 0.016 | 0.087 | 225.311 | 5.437 | 0.087 | 230.267 | 4.714 | 0.086 | 0.154 | 0.0 | 0.086 | 0.125 | 0.0 |
| 75 | 16676 | 16677 | NS | 2 | -34.954 | 17.084 | 0.0 | -34.29 | 16.454 | 0.0 | -11.599 | 21.883 | 0.0 | -24.716 | 22.129 | 0.001 | 0.087 | 231.786 | 2.689 | 0.087 | 199.0 | 2.994 | 0.086 | 1.136 | 0.006 | 0.086 | 22.003 | 0.009 |
| 76 | 16677 | 16678 | SN | 1 | -34.847 | 17.464 | 0.0 | -34.708 | 17.393 | 0.0 | -0.114 | 21.688 | 0.0 | 3.342 | 21.247 | 0.0 | 0.087 | 226.145 | 3.482 | 0.087 | 219.082 | 2.897 | 0.086 | 0.151 | 0.0 | 0.086 | 0.114 | 0.0 |
| 77 | 16677 | 16678 | NS | 1 | -34.625 | 16.134 | 0.0 | -34.614 | 17.025 | 0.0 | -25.185 | 21.63 | 0.0 | -22.895 | 22.3 | 0.004 | 0.087 | 214.861 | 2.532 | 0.087 | 214.347 | 2.55 | 0.086 | 24.507 | 0.18 | 0.086 | 14.49 | 0.037 |
| 78 | 16678 | 16679 | NS | 1 | -34.705 | 20.574 | 0.0 | -33.823 | 20.846 | 0.0 | 2.162 | 22.243 | 0.038 | 1.82 | 28.776 | 0.086 | 0.086 | 218.924 | 1.845 | 0.086 | 178.675 | 1.731 | 0.086 | 0.123 | 0.0 | 0.086 | 0.126 | 0.0 |
| 79 | 16678 | 16679 | SN | 1 | -34.795 | 16.375 | 0.0 | -33.834 | 17.158 | 0.0 | -2.913 | 22.506 | 0.049 | -1.847 | 23.439 | 0.154 | 0.087 | 223.428 | 5.424 | 0.087 | 179.159 | 4.517 | 0.086 | 0.216 | 0.0 | 0.086 | 0.186 | 0.0 |
| 80 | 16679 | 16680 | SN | 1 | -34.08 | 16.901 | 0.0 | -33.607 | 17.141 | 0.0 | -16.969 | 22.825 | 0.026 | -11.171 | 23.68 | 0.187 | 0.087 | 189.582 | 1.625 | 0.087 | 170.014 | 1.531 | 0.086 | 3.75 | 0.002 | 0.086 | 1.035 | 0.002 |
| 81 | 16679 | 16680 | SN | 1 | -34.504 | 16.901 | 0.0 | -34.028 | 17.141 | 0.0 | -16.969 | 22.825 | 0.024 | -11.171 | 23.68 | 0.219 | 0.087 | 209.004 | 1.758 | 0.087 | 187.253 | 1.827 | 0.086 | 3.749 | 0.001 | 0.086 | 1.035 | 0.002 |
| 82 | 16679 | 16680 | NS | 1 | -34.85 | 16.366 | 0.0 | -34.999 | 17.051 | 0.0 | 0.325 | 22.857 | 0.048 | 0.908 | 23.233 | 0.346 | 0.087 | 226.316 | 3.161 | 0.087 | 234.178 | 2.618 | 0.086 | 0.144 | 0.0 | 0.086 | 0.136 | 0.0 |
| 83 | 16680 | 16681 | NS | 1 | -34.835 | 21.643 | 0.0 | -34.999 | 20.476 | 0.0 | -10.906 | 22.586 | 0.172 | -21.914 | 23.405 | 0.798 | 0.086 | 225.528 | 6.919 | 0.086 | 234.196 | 6.338 | 0.086 | 1.003 | 0.004 | 0.086 | 11.573 | 0.014 |
| 84 | 16680 | 16681 | SN | 1 | -34.768 | 16.123 | 0.0 | -34.957 | 17.0 | 0.0 | -21.308 | 22.46 | 0.012 | -6.053 | 23.518 | 0.114 | 0.087 | 222.151 | 3.96 | 0.087 | 231.939 | 3.23 | 0.086 | 10.073 | 0.05 | 0.086 | 0.367 | 0.0 |
| 85 | 16681 | 16682 | SN | 1 | -34.824 | 19.126 | 0.0 | -34.962 | 18.835 | 0.0 | -25.743 | 23.676 | 0.028 | -22.949 | 23.191 | 0.092 | 0.086 | 224.983 | 7.593 | 0.086 | 232.255 | 6.059 | 0.086 | 27.859 | 0.078 | 0.086 | 14.672 | 0.101 |
| 86 | 16681 | 16682 | NS | 1 | -34.577 | 21.76 | 0.0 | -33.882 | 18.745 | 0.0 | -21.413 | 22.619 | 0.019 | -30.892 | 23.522 | 0.371 | 0.086 | 212.499 | 1.781 | 0.086 | 181.094 | 1.797 | 0.086 | 10.32 | 0.019 | 0.086 | 91.011 | 0.052 |
| 87 | 16682 | 16683 | NS | 1 | -34.931 | 18.3 | 0.0 | -34.892 | 21.044 | 0.0 | -1.175 | 22.819 | 0.028 | 0.799 | 23.358 | 0.286 | 0.086 | 230.54 | 2.666 | 0.086 | 228.526 | 2.741 | 0.086 | 0.171 | 0.0 | 0.086 | 0.138 | 0.0 |
| 88 | 16683 | 16684 | NS | 1 | -34.464 | 18.379 | 0.0 | -33.922 | 21.231 | 0.0 | 5.319 | 22.393 | 0.072 | 4.946 | 23.218 | 0.341 | 0.086 | 207.065 | 2.449 | 0.086 | 182.834 | 2.593 | 0.086 | 0.103 | 0.0 | 0.086 | 0.104 | 0.0 |

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

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