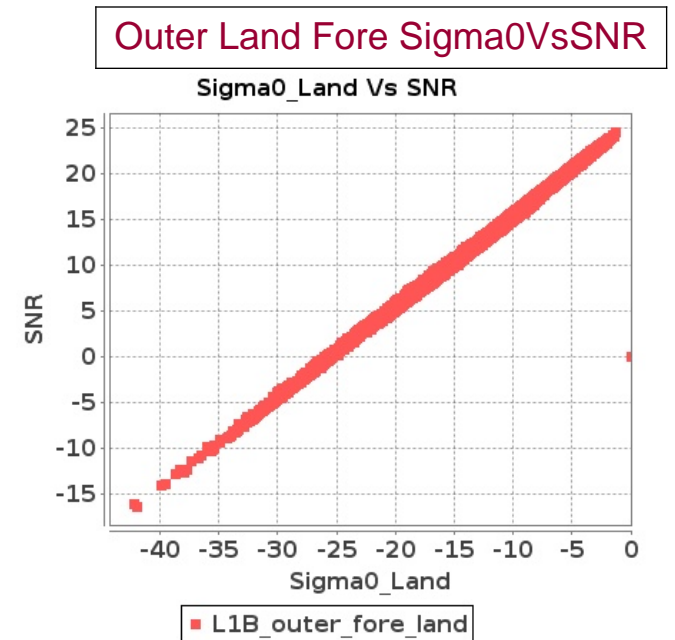
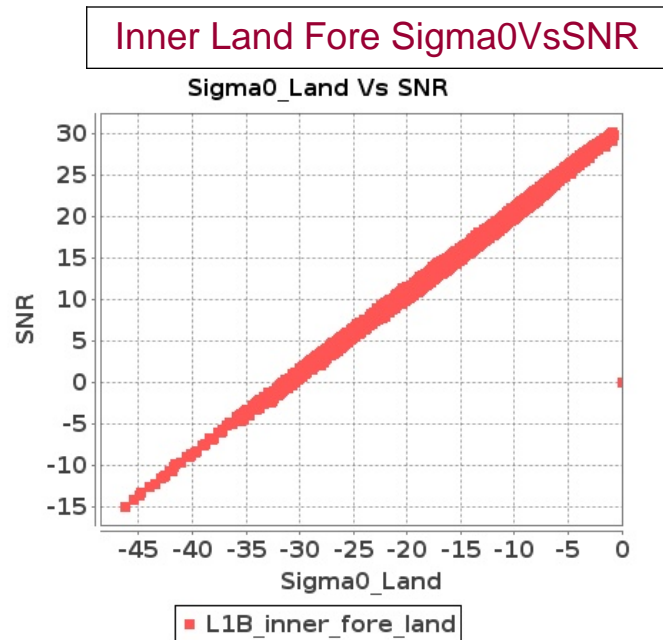
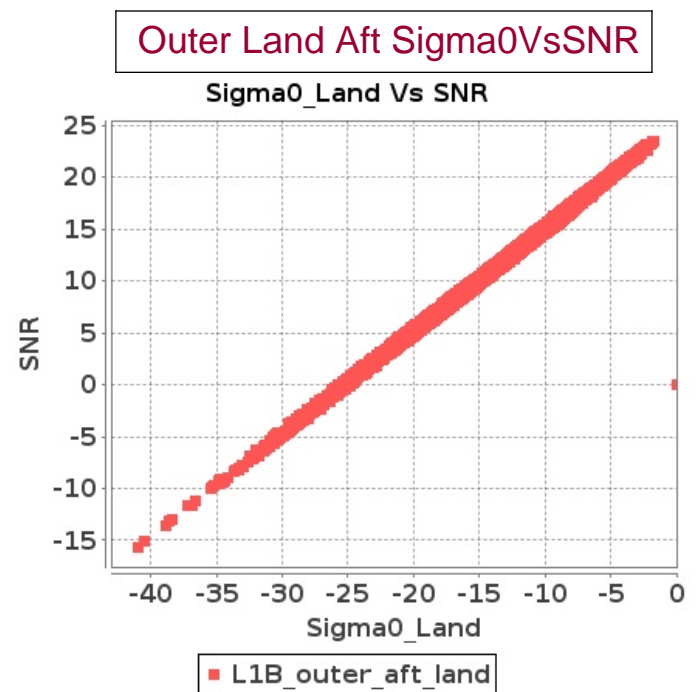
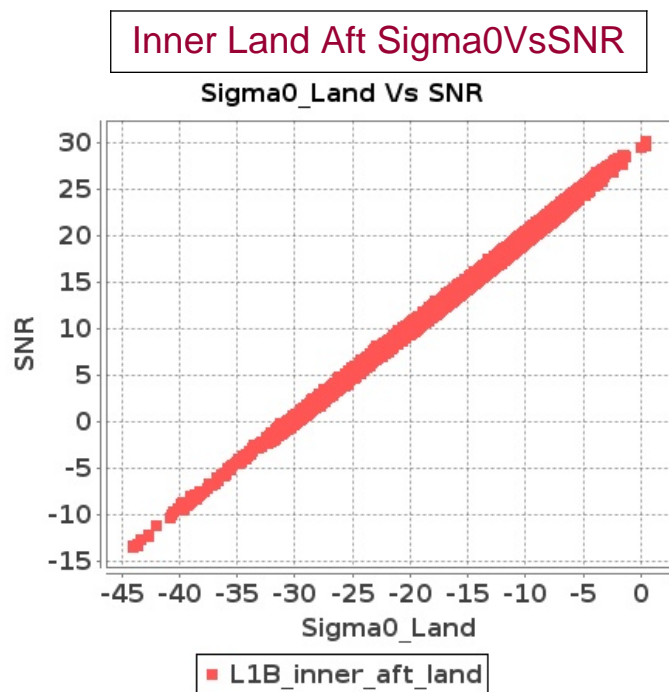
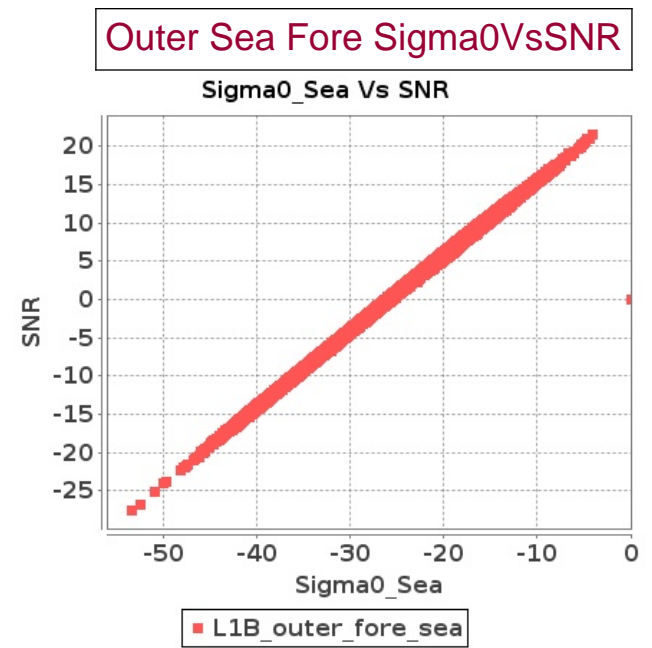
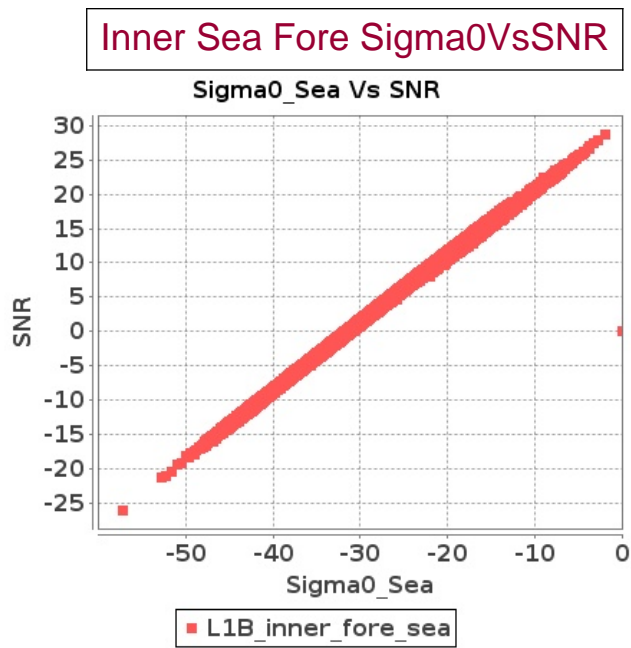
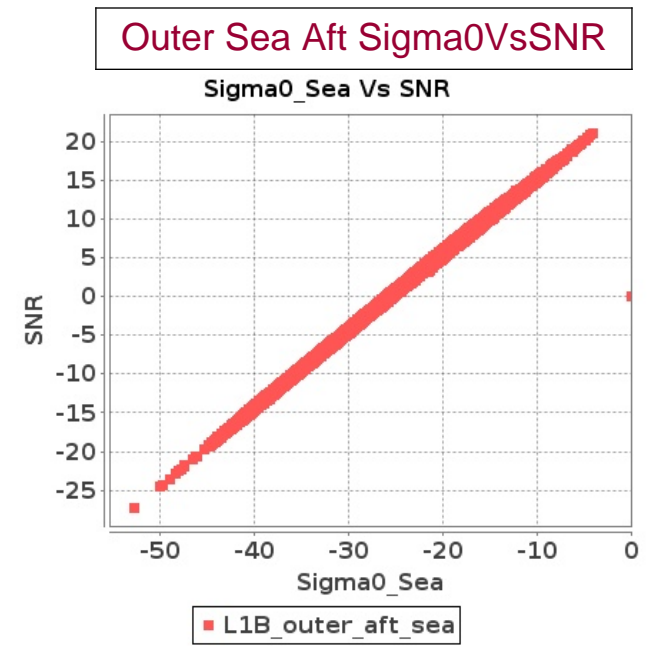
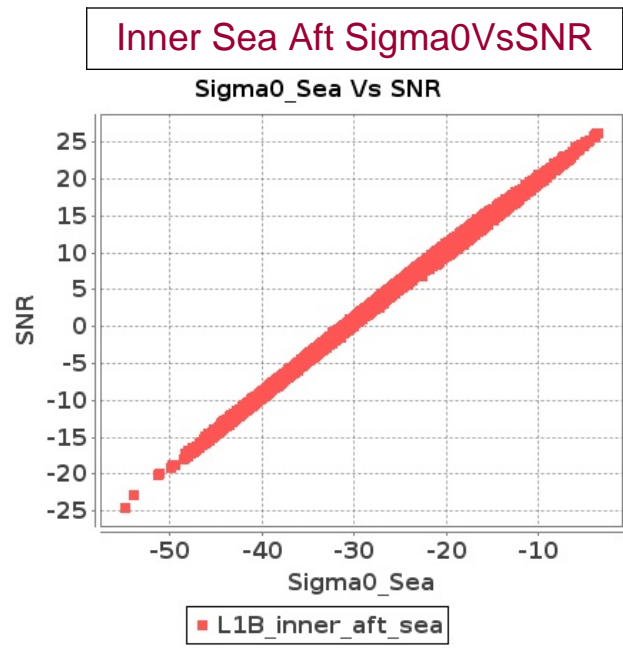
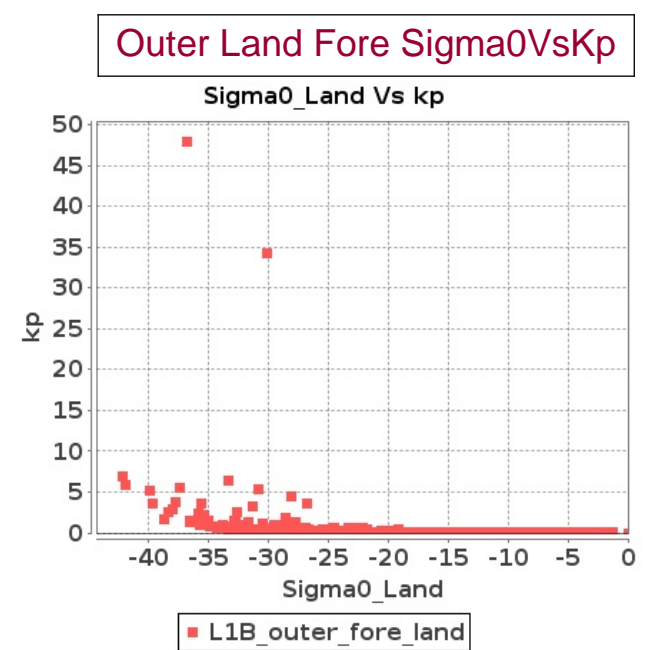
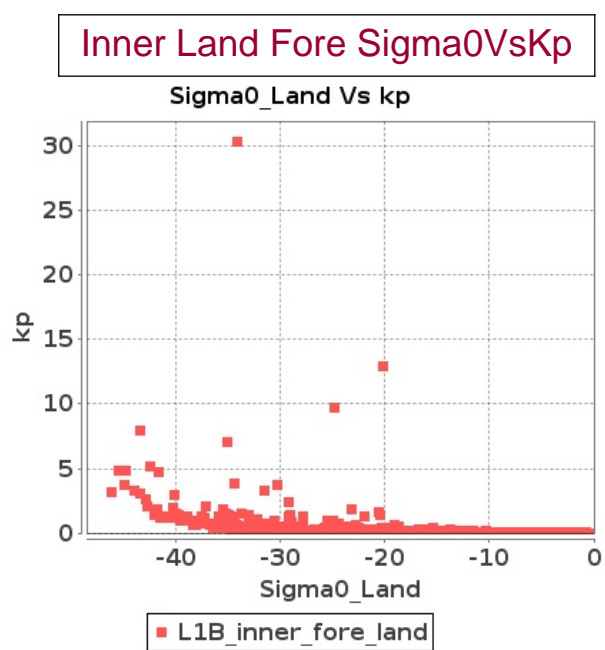
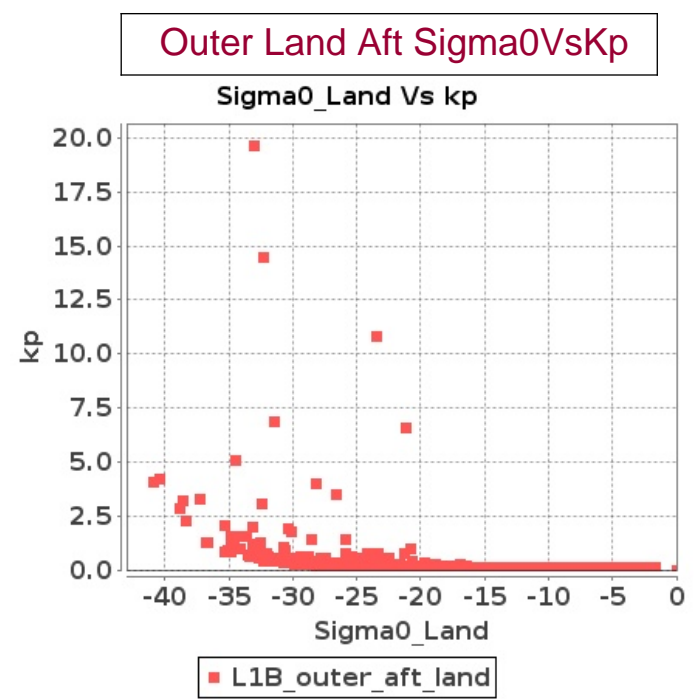
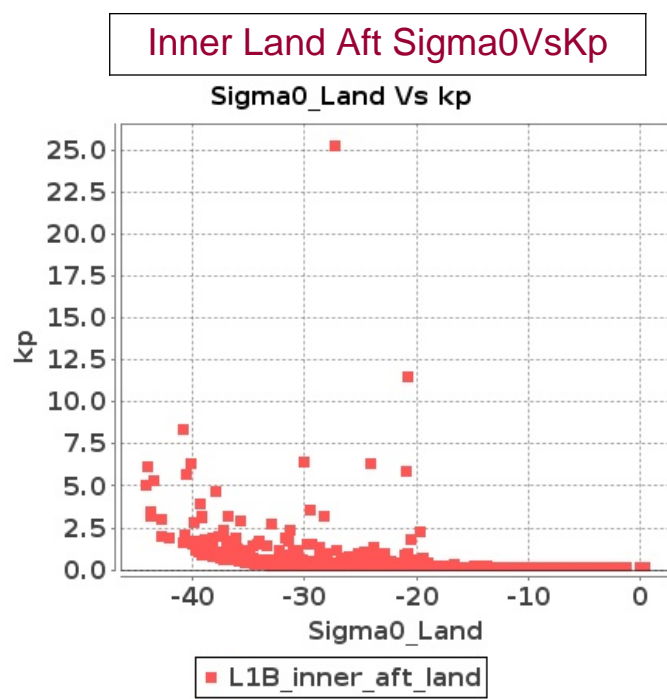
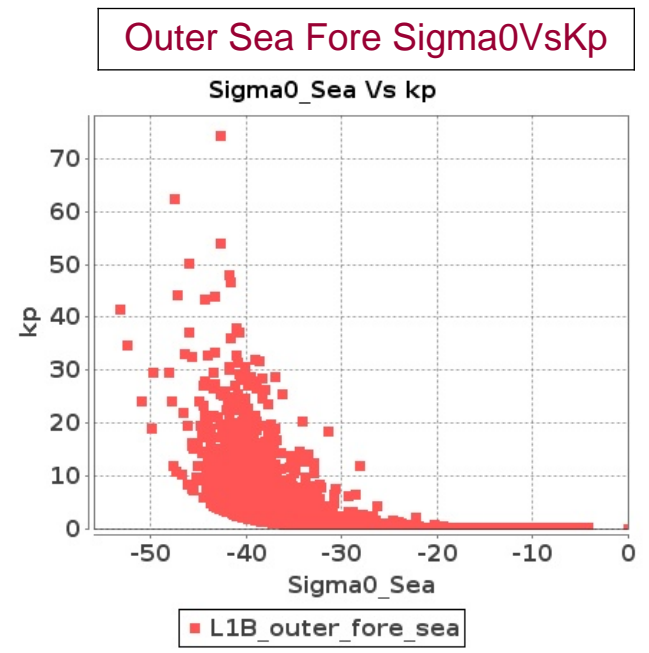
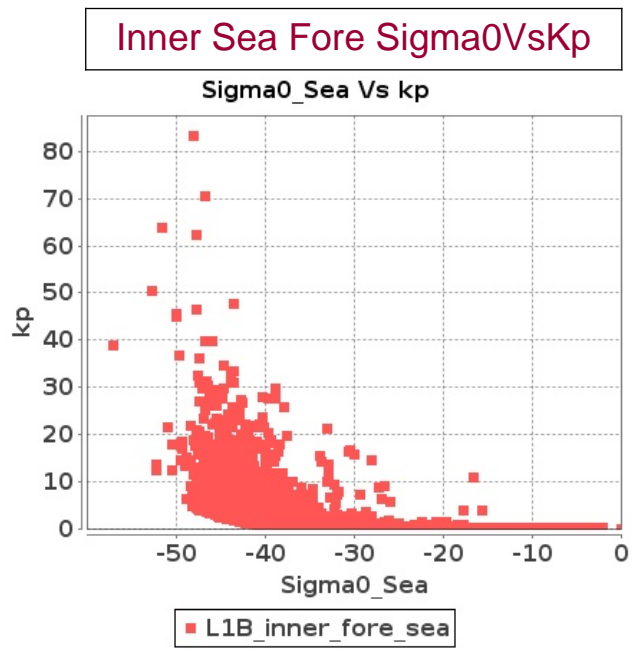
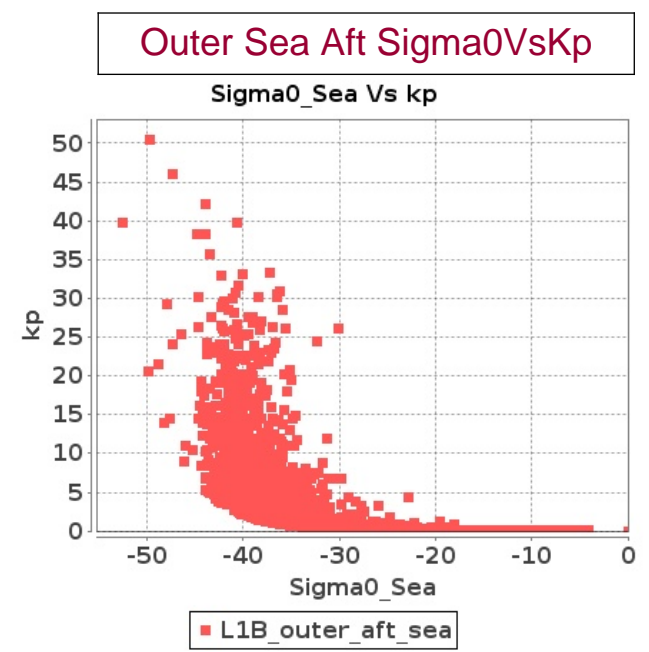
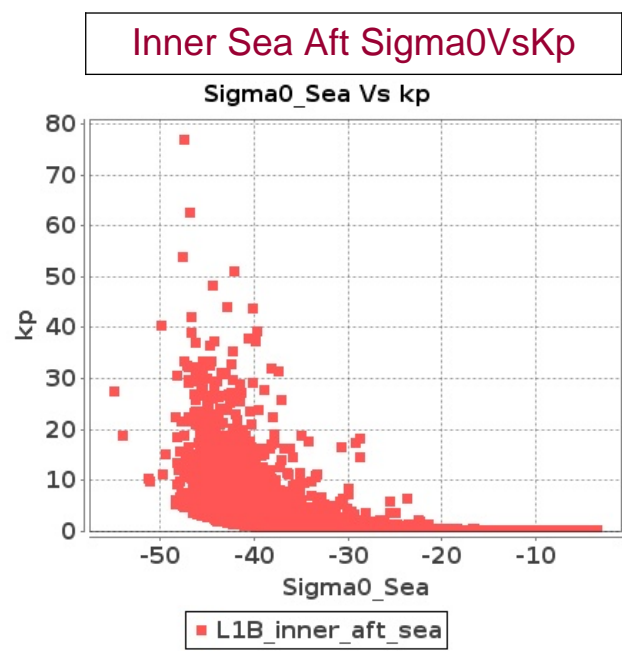


SCATSAT-1 Scatterometer Level-1B Data Quality Cycle wise Report

Report between 10-MAY-2018 To 11-MAY-2018





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

Report between 10-MAY-2018 To 11-MAY-2018

| | | | | | 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 | 8566 | 8567 | SN | 2 | 48.831 | 49.484 | 0.0 | 0.003 | 6.072 | 2.705 | 1055.104 | 1076.08 | 0.0 | -91.773 | -90.069 | 0.0 |
| 2 | 8566 | 8567 | SN | 1 | 48.831 | 49.484 | 0.0 | 0.003 | 6.072 | 2.003 | 1055.104 | 1076.08 | 0.0 | -91.773 | -90.069 | 0.0 |
| 3 | 8566 | 8567 | SN | 1 | 48.831 | 49.484 | 0.0 | 0.003 | 6.072 | 2.705 | 1055.104 | 1076.08 | 0.0 | -91.773 | -90.069 | 0.0 |
| 4 | 8567 | 8568 | SN | 1 | 48.83 | 49.432 | 0.0 | 0.003 | 6.072 | 2.594 | 1054.216 | 1076.04 | 0.0 | -91.85 | -90.064 | 0.0 |
| 5 | 8567 | 8568 | NS | 1 | 48.693 | 49.285 | 0.0 | 0.003 | 16.639 | 2.623 | 1020.104 | 1070.88 | 15.999 | -91.296 | -89.729 | 0.0 |
| 6 | 8567 | 8568 | SN | 1 | 48.83 | 49.432 | 0.0 | 0.003 | 6.072 | 2.421 | 1054.216 | 1076.04 | 0.0 | -91.85 | -90.064 | 0.0 |
| 7 | 8567 | 8568 | SN | 1 | 48.83 | 49.432 | 0.0 | 0.003 | 6.072 | 2.596 | 1054.216 | 1076.04 | 0.0 | -91.85 | -90.064 | 0.0 |
| 8 | 8568 | 8569 | SN | 1 | 48.847 | 49.463 | 0.0 | 0.003 | 6.066 | 2.35 | 1053.752 | 1076.176 | 0.0 | -91.738 | -90.086 | 0.0 |
| 9 | 8568 | 8569 | SN | 1 | 48.846 | 49.463 | 0.0 | 0.003 | 6.072 | 2.497 | 1053.744 | 1076.168 | 0.0 | -91.747 | -90.086 | 0.0 |
| 10 | 8568 | 8569 | NS | 1 | 48.673 | 49.283 | 0.0 | 0.003 | 14.278 | 2.535 | 1019.952 | 1071.096 | 16.492 | -91.434 | -89.735 | 0.0 |
| 11 | 8568 | 8569 | SN | 1 | 48.846 | 49.463 | 0.0 | 0.003 | 6.072 | 2.347 | 1053.744 | 1076.168 | 0.0 | -91.747 | -90.086 | 0.0 |
| 12 | 8568 | 8569 | NS | 1 | 48.673 | 49.283 | 0.0 | 0.003 | 14.278 | 2.546 | 1019.952 | 1071.096 | 16.473 | -91.353 | -89.735 | 0.0 |
| 13 | 8569 | 8570 | SN | 1 | 48.891 | 49.43 | 0.0 | 0.003 | 6.066 | 2.519 | 1054.504 | 1076.136 | 0.0 | -91.683 | -90.085 | 0.0 |
| 14 | 8569 | 8570 | NS | 1 | 48.655 | 49.283 | 0.0 | 0.003 | 265.067 | 2.633 | 1020.136 | 1071.08 | 16.241 | -91.268 | -89.745 | 0.0 |
| 15 | 8569 | 8570 | SN | 1 | 48.891 | 49.43 | 0.0 | 0.003 | 6.066 | 2.299 | 1054.504 | 1076.136 | 0.0 | -91.683 | -90.085 | 0.0 |
| 16 | 8569 | 8570 | SN | 1 | 48.891 | 49.44 | 0.0 | 0.003 | 6.066 | 2.516 | 1053.88 | 1076.136 | 0.0 | -91.683 | -90.085 | 0.0 |
| 17 | 8570 | 8571 | NS | 2 | 48.696 | 49.294 | 0.0 | 0.003 | 42.435 | 2.703 | 1020.312 | 1071.024 | 16.755 | -91.466 | -89.704 | 0.0 |
| 18 | 8570 | 8571 | NS | 1 | 48.696 | 49.283 | 0.0 | 0.003 | 42.435 | 2.703 | 1020.312 | 1071.024 | 16.755 | -91.466 | -89.704 | 0.0 |
| 19 | 8570 | 8571 | SN | 1 | 48.883 | 49.429 | 0.0 | 0.003 | 215.405 | 2.525 | 1053.8 | 1076.088 | 0.0 | -91.795 | -90.084 | 0.0 |
| 20 | 8570 | 8571 | SN | 1 | 48.869 | 49.429 | 0.0 | 0.003 | 215.405 | 2.522 | 1053.688 | 1076.096 | 0.0 | -91.596 | -90.084 | 0.0 |
| 21 | 8571 | 8572 | NS | 2 | 48.677 | 49.31 | 0.0 | 0.003 | 17.466 | 2.722 | 1021.024 | 1071.008 | 17.106 | -91.461 | -89.74 | 0.0 |
| 22 | 8571 | 8572 | SN | 1 | 48.891 | 49.466 | 0.0 | 0.003 | 214.445 | 2.497 | 1053.784 | 1076.104 | 0.0 | -91.689 | -90.086 | 0.0 |
| 23 | 8571 | 8572 | SN | 1 | 48.891 | 49.466 | 0.0 | 0.003 | 214.445 | 2.556 | 1053.784 | 1076.104 | 0.0 | -91.689 | -90.086 | 0.0 |
| 24 | 8571 | 8572 | SN | 2 | 48.891 | 49.466 | 0.0 | 0.003 | 214.445 | 2.556 | 1053.784 | 1076.104 | 0.0 | -91.689 | -90.086 | 0.0 |
| 25 | 8571 | 8572 | NS | 1 | 48.677 | 49.344 | 0.0 | 0.003 | 17.466 | 2.723 | 1021.016 | 1071.016 | 17.105 | -91.437 | -89.74 | 0.0 |
| 26 | 8572 | 8573 | SN | 1 | 48.856 | 49.431 | 0.0 | 0.003 | 277.862 | 2.24 | 1053.928 | 1076.16 | 0.0 | -91.64 | -90.082 | 0.0 |
| 27 | 8572 | 8573 | SN | 1 | 48.855 | 49.436 | 0.0 | 0.003 | 215.51 | 2.633 | 1053.92 | 1076.168 | 0.0 | -91.7 | -90.082 | 0.0 |
| 28 | 8572 | 8573 | NS | 1 | 48.639 | 49.283 | 0.0 | 0.003 | 15.889 | 2.64 | 1020.408 | 1071.016 | 17.431 | -91.613 | -89.744 | 0.0 |
| 29 | 8572 | 8573 | SN | 2 | 48.856 | 49.431 | 0.0 | 0.003 | 277.862 | 2.63 | 1053.928 | 1076.16 | 0.0 | -91.64 | -90.082 | 0.0 |
| 30 | 8572 | 8573 | NS | 1 | 48.639 | 49.283 | 0.0 | 0.003 | 15.889 | 2.643 | 1020.408 | 1071.016 | 17.45 | -91.527 | -89.744 | 0.0 |
| 31 | 8573 | 8574 | SN | 1 | 48.893 | 49.498 | 0.0 | 0.0 | 97.412 | 2.684 | 1054.56 | 1076.424 | 0.0 | -93.914 | -90.08 | 0.0 |
| 32 | 8573 | 8574 | NS | 1 | 48.625 | 49.282 | 0.0 | 0.003 | 210.574 | 2.653 | 1020.664 | 1071.232 | 18.028 | -91.594 | -89.742 | 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 | 8573 | 8574 | SN | 1 | 48.893 | 49.498 | 0.0 | 0.0 | 97.412 | 2.681 | 1054.56 | 1076.424 | 0.0 | -93.914 | -90.08 | 0.0 |
| 34 | 8573 | 8574 | SN | 1 | 48.893 | 49.433 | 0.0 | 0.0 | 97.412 | 1.771 | 1054.56 | 1076.424 | 0.0 | -91.592 | -90.08 | 0.0 |
| 35 | 8574 | 8575 | NS | 1 | 48.66 | 49.282 | 0.0 | 0.003 | 16.242 | 2.744 | 1020.64 | 1071.344 | 18.46 | -91.58 | -89.704 | 0.0 |
| 36 | 8574 | 8575 | SN | 1 | 48.83 | 49.453 | 0.0 | 0.003 | 6.078 | 2.565 | 1054.352 | 1076.56 | 0.0 | -91.666 | -90.058 | 0.0 |
| 37 | 8574 | 8575 | NS | 2 | 48.66 | 49.282 | 0.0 | 0.003 | 16.242 | 2.743 | 1020.64 | 1071.344 | 18.455 | -91.58 | -89.704 | 0.0 |
| 38 | 8575 | 8576 | NS | 1 | 48.628 | 49.281 | 0.0 | 0.0 | 210.8 | 2.845 | 1020.496 | 1071.344 | 18.645 | -91.659 | -89.734 | 0.0 |
| 39 | 8575 | 8576 | SN | 1 | 48.859 | 49.433 | 0.0 | 0.003 | 30.848 | 2.548 | 1054.2 | 1076.584 | 0.0 | -91.717 | -90.094 | 0.0 |
| 40 | 8576 | 8577 | NS | 1 | 48.654 | 49.281 | 0.0 | 0.0 | 42.438 | 2.807 | 1020.04 | 1071.352 | 19.074 | -91.551 | -89.74 | 0.0 |
| 41 | 8581 | 8582 | SN | 1 | 48.871 | 49.499 | 0.0 | 0.003 | 6.083 | 2.725 | 1054.328 | 1077.032 | 0.0 | -91.695 | -90.043 | 0.0 |
| 42 | 8581 | 8582 | SN | 1 | 48.871 | 49.499 | 0.0 | 0.003 | 6.083 | 2.723 | 1054.328 | 1077.032 | 0.0 | -91.695 | -90.043 | 0.0 |
| 43 | 8581 | 8582 | NS | 1 | 48.638 | 49.278 | 0.0 | 0.003 | 210.579 | 2.743 | 1019.136 | 1071.704 | 17.925 | -91.407 | -89.729 | 0.0 |
| 44 | 8582 | 8583 | SN | 1 | 48.85 | 49.492 | 0.0 | 0.003 | 6.089 | 2.393 | 1054.192 | 1077.224 | 0.0 | -91.763 | -90.082 | 0.0 |
| 45 | 8582 | 8583 | NS | 1 | 48.689 | 49.279 | 0.0 | 0.003 | 264.698 | 2.598 | 1019.464 | 1072.0 | 18.009 | -91.532 | -89.737 | 0.0 |
| 46 | 8582 | 8583 | SN | 1 | 48.85 | 49.492 | 0.0 | 0.003 | 6.089 | 2.391 | 1054.192 | 1077.224 | 0.0 | -91.763 | -90.082 | 0.0 |
| 47 | 8582 | 8583 | SN | 1 | 48.85 | 49.492 | 0.0 | 0.003 | 6.089 | 2.529 | 1054.192 | 1077.224 | 0.0 | -91.763 | -90.082 | 0.0 |
| 48 | 8583 | 8584 | SN | 1 | 48.841 | 49.473 | 0.0 | 0.003 | 6.089 | 2.491 | 1054.368 | 1077.232 | 0.0 | -91.719 | -90.091 | 0.0 |
| 49 | 8583 | 8584 | NS | 1 | 48.66 | 49.278 | 0.0 | 0.0 | 39.002 | 2.691 | 1019.504 | 1072.072 | 18.29 | -91.598 | -89.739 | 0.0 |
| 50 | 8583 | 8584 | SN | 1 | 48.832 | 49.503 | 0.0 | 0.003 | 6.089 | 2.33 | 1055.12 | 1077.232 | 0.0 | -91.744 | -90.091 | 0.0 |
| 51 | 8583 | 8584 | SN | 1 | 48.832 | 49.503 | 0.0 | 0.003 | 6.089 | 2.494 | 1055.12 | 1077.232 | 0.0 | -91.744 | -90.091 | 0.0 |
| 52 | 8584 | 8585 | SN | 1 | 48.85 | 49.437 | 0.0 | 0.003 | 214.374 | 2.534 | 1053.96 | 1077.232 | 0.0 | -91.728 | -90.082 | 0.0 |
| 53 | 8584 | 8585 | NS | 1 | 48.669 | 49.277 | 0.0 | 0.003 | 41.431 | 2.682 | 1019.952 | 1072.04 | 18.163 | -91.538 | -89.728 | 0.0 |
| 54 | 8584 | 8585 | NS | 2 | 48.669 | 49.277 | 0.0 | 0.003 | 41.431 | 2.682 | 1019.952 | 1072.04 | 18.163 | -91.538 | -89.728 | 0.0 |
| 55 | 8584 | 8585 | SN | 1 | 48.85 | 49.437 | 0.0 | 0.003 | 214.374 | 2.248 | 1053.96 | 1077.232 | 0.0 | -91.728 | -90.082 | 0.0 |
| 56 | 8584 | 8585 | SN | 1 | 48.839 | 49.441 | 0.0 | 0.003 | 30.567 | 2.532 | 1054.328 | 1077.24 | 0.0 | -91.709 | -90.081 | 0.0 |
| 57 | 8585 | 8586 | SN | 1 | 48.839 | 49.437 | 0.0 | 0.003 | 6.1 | 2.075 | 1055.12 | 1077.24 | 0.0 | -91.794 | -90.09 | 0.0 |
| 58 | 8585 | 8586 | NS | 1 | 48.639 | 49.329 | 0.0 | 0.0 | 266.932 | 2.783 | 1020.448 | 1072.032 | 19.182 | -91.596 | -89.732 | 0.0 |
| 59 | 8585 | 8586 | SN | 2 | 48.839 | 49.437 | 0.0 | 0.003 | 6.1 | 2.539 | 1055.12 | 1077.24 | 0.0 | -91.794 | -90.09 | 0.0 |
| 60 | 8585 | 8586 | NS | 1 | 48.64 | 49.329 | 0.0 | 0.0 | 267.538 | 2.782 | 1020.44 | 1072.048 | 19.174 | -91.596 | -89.732 | 0.0 |
| 61 | 8585 | 8586 | SN | 1 | 48.839 | 49.437 | 0.0 | 0.003 | 6.1 | 2.539 | 1055.12 | 1077.24 | 0.0 | -91.794 | -90.09 | 0.0 |
| 62 | 8586 | 8587 | NS | 1 | 48.645 | 49.316 | 0.0 | 0.003 | 267.191 | 2.618 | 1020.352 | 1071.976 | 19.322 | -91.543 | -89.737 | 0.0 |
| 63 | 8586 | 8587 | SN | 1 | 48.847 | 49.472 | 0.0 | 0.003 | 215.113 | 2.603 | 1054.096 | 1077.184 | 0.0 | -92.364 | -90.093 | 0.0 |
| 64 | 8586 | 8587 | NS | 1 | 48.645 | 49.316 | 0.0 | 0.003 | 267.191 | 2.62 | 1020.352 | 1071.976 | 19.343 | -91.543 | -89.737 | 0.0 |
| 65 | 8586 | 8587 | SN | 2 | 48.847 | 49.472 | 0.0 | 0.003 | 215.113 | 2.603 | 1054.096 | 1077.184 | 0.0 | -92.365 | -90.093 | 0.0 |
| 66 | 8586 | 8587 | SN | 1 | 48.847 | 49.472 | 0.0 | 0.003 | 215.113 | 1.876 | 1054.096 | 1077.184 | 0.0 | -91.683 | -90.093 | 0.0 |
| 67 | 8587 | 8588 | NS | 1 | 48.624 | 49.326 | 0.0 | 0.003 | 41.374 | 2.669 | 1019.168 | 1072.096 | 19.763 | -91.6 | -89.736 | 0.0 |
| 68 | 8587 | 8588 | SN | 1 | 48.828 | 49.501 | 0.0 | 0.003 | 6.078 | 2.636 | 1054.296 | 1077.352 | 0.0 | -91.738 | -90.062 | 0.0 |
| 69 | 8587 | 8588 | SN | 1 | 48.828 | 49.501 | 0.0 | 0.003 | 6.078 | 2.638 | 1054.296 | 1077.352 | 0.0 | -91.738 | -90.062 | 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 |

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|  Normal |  Deviations |
|  Alarming |  High Errors |

| | | | | | | | | | | | | | | | | |
|----|------|------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|--------|---------|---------|-----|
| 70 | 8587 | 8588 | SN | 1 | 48.892 | 49.501 | 0.0 | 0.003 | 6.078 | 1.623 | 1054.296 | 1077.352 | 0.0 | -91.738 | -90.062 | 0.0 |
| 71 | 8587 | 8588 | NS | 2 | 48.628 | 49.276 | 0.0 | 0.003 | 206.553 | 2.668 | 1019.184 | 1072.08 | 19.786 | -91.6 | -89.736 | 0.0 |
| 72 | 8588 | 8589 | NS | 1 | 48.624 | 49.276 | 0.0 | 0.003 | 41.271 | 2.669 | 1019.992 | 1072.32 | 20.142 | -91.787 | -89.729 | 0.0 |
| 73 | 8588 | 8589 | NS | 2 | 48.626 | 49.275 | 0.0 | 0.003 | 267.389 | 2.666 | 1020.032 | 1072.296 | 20.123 | -91.788 | -89.729 | 0.0 |
| 74 | 8588 | 8589 | SN | 1 | 48.851 | 49.44 | 0.0 | 0.003 | 6.089 | 2.586 | 1054.552 | 1077.584 | 0.0 | -91.635 | -90.078 | 0.0 |
| 75 | 8588 | 8589 | SN | 1 | 48.851 | 49.44 | 0.0 | 0.003 | 6.089 | 1.51 | 1054.552 | 1077.584 | 0.0 | -91.635 | -90.078 | 0.0 |
| 76 | 8588 | 8589 | SN | 1 | 48.851 | 49.44 | 0.0 | 0.003 | 6.089 | 2.589 | 1054.552 | 1077.584 | 0.0 | -91.635 | -90.078 | 0.0 |
| 77 | 8589 | 8590 | SN | 1 | 48.844 | 49.488 | 0.0 | 0.0 | 232.805 | 2.536 | 1054.512 | 1077.656 | 0.0 | -91.731 | -90.065 | 0.0 |
| 78 | 8589 | 8590 | NS | 1 | 48.634 | 49.275 | 0.0 | 0.0 | 49.668 | 2.864 | 1019.296 | 1072.312 | 19.905 | -91.621 | -89.716 | 0.0 |
| 79 | 8590 | 8591 | NS | 1 | 48.664 | 49.276 | 0.0 | 0.003 | 42.441 | 2.761 | 1020.08 | 1072.216 | 20.729 | -91.526 | -89.734 | 0.0 |
| 80 | 8590 | 8591 | NS | 1 | 48.664 | 49.276 | 0.0 | 0.003 | 42.441 | 2.75 | 1020.08 | 1072.216 | 20.75 | -91.526 | -89.734 | 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 |

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|--|---|
|  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 | 8566 | 8567 | SN | 2 | -34.555 | 26.516 | 1.375 | -32.641 | 26.654 | 2.326 | -23.203 | 28.662 | 13.548 | -18.542 | 30.897 | 18.982 | 0.116 | 276.715 | 1.889 | 0.116 | 178.102 | 1.146 | 0.116 | 20.349 | 0.027 | 0.116 | 7.017 | 0.005 |
| 2 | 8566 | 8567 | SN | 1 | -34.555 | 26.516 | 0.854 | -32.641 | 26.654 | 2.486 | -23.203 | 28.662 | 13.43 | -18.542 | 30.897 | 18.982 | 0.116 | 276.715 | 1.987 | 0.116 | 178.102 | 1.274 | 0.116 | 20.349 | 0.028 | 0.116 | 7.017 | 0.005 |
| 3 | 8566 | 8567 | SN | 1 | -34.555 | 26.516 | 1.396 | -32.641 | 26.654 | 2.337 | -23.203 | 28.662 | 13.548 | -18.542 | 30.897 | 18.982 | 0.116 | 276.715 | 1.889 | 0.116 | 178.102 | 1.146 | 0.116 | 20.349 | 0.027 | 0.116 | 7.017 | 0.005 |
| 4 | 8567 | 8568 | SN | 1 | -34.882 | 26.932 | 1.4 | -34.782 | 26.556 | 2.076 | -15.239 | 31.177 | 11.872 | -7.354 | 30.074 | 8.551 | 0.116 | 298.305 | 5.878 | 0.116 | 291.583 | 4.631 | 0.116 | 3.327 | 0.004 | 0.116 | 0.62 | 0.0 |
| 5 | 8567 | 8568 | NS | 1 | -33.542 | 27.685 | 0.057 | -34.49 | 28.358 | 0.027 | 3.011 | 32.78 | 21.709 | 4.542 | 36.383 | 36.945 | 0.116 | 219.141 | 2.003 | 0.116 | 272.561 | 2.058 | 0.116 | 0.156 | 0.0 | 0.116 | 0.144 | 0.0 |
| 6 | 8567 | 8568 | SN | 1 | -34.882 | 26.932 | 1.43 | -34.782 | 26.556 | 2.13 | -15.239 | 31.177 | 11.894 | -7.354 | 30.074 | 8.56 | 0.116 | 298.305 | 6.035 | 0.116 | 291.583 | 4.751 | 0.116 | 3.327 | 0.004 | 0.116 | 0.62 | 0.0 |
| 7 | 8567 | 8568 | SN | 1 | -34.882 | 26.932 | 1.399 | -34.782 | 26.556 | 2.076 | -15.239 | 31.177 | 11.894 | -7.354 | 30.074 | 8.56 | 0.116 | 298.305 | 5.878 | 0.116 | 291.583 | 4.631 | 0.116 | 3.327 | 0.004 | 0.116 | 0.62 | 0.0 |
| 8 | 8568 | 8569 | SN | 1 | -34.914 | 25.302 | 0.094 | -34.396 | 25.249 | 0.16 | 5.54 | 29.963 | 13.278 | 6.47 | 29.83 | 7.129 | 0.116 | 300.491 | 3.954 | 0.116 | 266.713 | 3.011 | 0.116 | 0.138 | 0.0 | 0.116 | 0.133 | 0.0 |
| 9 | 8568 | 8569 | SN | 1 | -34.816 | 25.302 | 0.092 | -34.264 | 25.249 | 0.157 | 5.54 | 29.963 | 13.246 | 6.47 | 29.83 | 7.124 | 0.116 | 293.784 | 3.886 | 0.116 | 258.763 | 2.966 | 0.116 | 0.138 | 0.0 | 0.116 | 0.133 | 0.0 |
| 10 | 8568 | 8569 | NS | 1 | -34.564 | 25.735 | 0.017 | -34.694 | 24.601 | 0.017 | -8.138 | 30.17 | 14.118 | -6.107 | 30.65 | 25.007 | 0.116 | 277.286 | 3.593 | 0.116 | 285.713 | 3.88 | 0.116 | 0.724 | 0.0 | 0.116 | 0.49 | 0.0 |
| 11 | 8568 | 8569 | SN | 1 | -34.816 | 25.302 | 0.094 | -34.264 | 25.249 | 0.16 | 5.54 | 29.963 | 13.245 | 6.47 | 29.83 | 7.124 | 0.116 | 293.784 | 3.955 | 0.116 | 258.763 | 3.011 | 0.116 | 0.138 | 0.0 | 0.116 | 0.133 | 0.0 |
| 12 | 8568 | 8569 | NS | 1 | -34.96 | 25.735 | 0.017 | -34.733 | 24.601 | 0.017 | -8.142 | 30.17 | 14.118 | -6.109 | 30.651 | 25.003 | 0.116 | 303.708 | 3.59 | 0.116 | 288.269 | 3.878 | 0.116 | 0.724 | 0.0 | 0.116 | 0.49 | 0.0 |
| 13 | 8569 | 8570 | SN | 1 | -34.622 | 24.212 | 0.044 | -33.687 | 24.89 | 0.106 | 6.439 | 28.488 | 14.774 | 7.232 | 29.296 | 5.852 | 0.116 | 280.938 | 1.566 | 0.116 | 226.552 | 1.366 | 0.116 | 0.133 | 0.0 | 0.116 | 0.13 | 0.0 |
| 14 | 8569 | 8570 | NS | 1 | -34.782 | 26.63 | 0.015 | -34.953 | 23.824 | 0.013 | -11.056 | 29.537 | 11.651 | -6.762 | 31.622 | 21.585 | 0.116 | 291.569 | 4.641 | 0.116 | 303.217 | 4.226 | 0.116 | 1.327 | 0.002 | 0.116 | 0.554 | 0.0 |
| 15 | 8569 | 8570 | SN | 1 | -34.622 | 24.212 | 0.045 | -33.687 | 24.89 | 0.107 | 6.439 | 28.488 | 14.806 | 7.232 | 29.296 | 5.797 | 0.116 | 280.938 | 1.591 | 0.116 | 226.552 | 1.388 | 0.116 | 0.133 | 0.0 | 0.116 | 0.13 | 0.0 |
| 16 | 8569 | 8570 | SN | 1 | -34.359 | 24.214 | 0.044 | -33.24 | 24.89 | 0.106 | 6.439 | 28.488 | 14.774 | 7.232 | 29.296 | 5.852 | 0.116 | 264.406 | 1.563 | 0.116 | 204.383 | 1.368 | 0.116 | 0.133 | 0.0 | 0.116 | 0.13 | 0.0 |
| 17 | 8570 | 8571 | NS | 2 | -34.943 | 21.329 | 0.0 | -32.604 | 21.948 | 0.0 | -12.88 | 28.935 | 7.939 | -7.167 | 30.346 | 14.753 | 0.116 | 302.581 | 2.339 | 0.116 | 176.58 | 2.375 | 0.116 | 1.971 | 0.004 | 0.116 | 0.598 | 0.0 |
| 18 | 8570 | 8571 | NS | 1 | -34.943 | 21.324 | 0.0 | -32.604 | 21.948 | 0.0 | -12.88 | 28.935 | 7.939 | -7.167 | 30.346 | 14.753 | 0.116 | 302.581 | 2.339 | 0.116 | 176.58 | 2.375 | 0.116 | 1.971 | 0.004 | 0.116 | 0.598 | 0.0 |
| 19 | 8570 | 8571 | SN | 1 | -34.99 | 24.687 | 0.143 | -34.993 | 24.492 | 0.205 | 6.425 | 29.352 | 19.848 | 7.551 | 29.308 | 22.439 | 0.116 | 305.773 | 3.969 | 0.116 | 306.049 | 3.229 | 0.116 | 0.133 | 0.0 | 0.116 | 0.129 | 0.0 |
| 20 | 8570 | 8571 | SN | 1 | -34.786 | 24.687 | 0.142 | -34.28 | 24.492 | 0.205 | 6.425 | 29.352 | 19.849 | 7.551 | 29.308 | 22.443 | 0.116 | 291.79 | 3.965 | 0.116 | 259.681 | 3.23 | 0.116 | 0.133 | 0.0 | 0.116 | 0.129 | 0.0 |
| 21 | 8571 | 8572 | NS | 2 | -34.592 | 24.087 | 0.002 | -34.38 | 22.583 | 0.003 | -21.011 | 28.182 | 9.701 | -32.247 | 30.473 | 15.529 | 0.116 | 279.001 | 2.46 | 0.116 | 265.767 | 2.097 | 0.116 | 12.321 | 0.025 | 0.116 | 162.672 | 0.023 |
| 22 | 8571 | 8572 | SN | 1 | -34.535 | 24.042 | 0.003 | -34.102 | 24.158 | 0.003 | 6.119 | 28.75 | 20.054 | 8.725 | 29.845 | 26.376 | 0.116 | 275.396 | 2.321 | 0.116 | 249.265 | 1.994 | 0.116 | 0.135 | 0.0 | 0.116 | 0.126 | 0.0 |
| 23 | 8571 | 8572 | SN | 1 | -34.535 | 24.042 | 0.003 | -34.102 | 24.158 | 0.003 | 6.119 | 28.75 | 20.034 | 8.725 | 29.845 | 26.376 | 0.116 | 275.396 | 2.311 | 0.116 | 249.265 | 1.984 | 0.116 | 0.135 | 0.0 | 0.116 | 0.126 | 0.0 |
| 24 | 8571 | 8572 | SN | 2 | -34.535 | 24.042 | 0.003 | -34.102 | 24.158 | 0.003 | 6.119 | 28.75 | 20.034 | 8.725 | 29.845 | 26.376 | 0.116 | 275.396 | 2.311 | 0.116 | 249.265 | 1.984 | 0.116 | 0.135 | 0.0 | 0.116 | 0.126 | 0.0 |
| 25 | 8571 | 8572 | NS | 1 | -34.419 | 24.087 | 0.002 | -34.594 | 22.583 | 0.003 | -20.996 | 28.182 | 9.704 | -32.081 | 30.473 | 15.524 | 0.116 | 268.122 | 2.462 | 0.116 | 279.112 | 2.098 | 0.116 | 12.274 | 0.025 | 0.116 | 156.59 | 0.023 |
| 26 | 8572 | 8573 | SN | 1 | -34.996 | 23.092 | 0.006 | -34.727 | 24.735 | 0.016 | 3.891 | 29.16 | 16.313 | -0.9 | 29.372 | 18.607 | 0.116 | 306.24 | 4.837 | 0.116 | 287.799 | 4.156 | 0.116 | 0.148 | 0.0 | 0.116 | 0.221 | 0.0 |
| 27 | 8572 | 8573 | SN | 1 | -34.996 | 23.092 | 0.005 | -34.858 | 24.735 | 0.015 | 3.891 | 29.16 | 16.239 | -0.9 | 29.372 | 18.673 | 0.116 | 306.24 | 4.692 | 0.116 | 296.646 | 4.01 | 0.116 | 0.148 | 0.0 | 0.116 | 0.221 | 0.0 |
| 28 | 8572 | 8573 | NS | 1 | -34.869 | 26.404 | 0.522 | -34.41 | 27.153 | 0.855 | -6.588 | 29.696 | 12.104 | -5.06 | 30.798 | 17.097 | 0.116 | 297.414 | 2.05 | 0.116 | 267.566 | 1.959 | 0.116 | 0.536 | 0.0 | 0.116 | 0.406 | 0.0 |
| 29 | 8572 | 8573 | SN | 2 | -34.996 | 23.092 | 0.005 | -34.727 | 24.735 | 0.015 | 3.891 | 29.16 | 16.24 | -0.9 | 29.372 | 18.666 | 0.116 | 306.24 | 4.692 | 0.116 | 287.799 | 4.008 | 0.116 | 0.148 | 0.0 | 0.116 | 0.221 | 0.0 |
| 30 | 8572 | 8573 | NS | 1 | -34.869 | 26.401 | 0.522 | -34.41 | 27.153 | 0.856 | -6.588 | 29.696 | 12.104 | -5.06 | 30.798 | 17.1 | 0.116 | 297.414 | 2.054 | 0.116 | 267.566 | 1.954 | 0.116 | 0.536 | 0.0 | 0.116 | 0.406 | 0.0 |
| 31 | 8573 | 8574 | SN | 1 | -34.351 | 23.764 | 0.026 | -34.241 | 25.158 | 0.182 | -9.704 | 33.892 | 16.452 | 2.567 | 32.473 | 19.717 | 0.116 | 264.014 | 3.901 | 0.116 | 257.363 | 3.221 | 0.116 | 0.997 | 0.0 | 0.116 | 0.161 | 0.0 |
| 32 | 8573 | 8574 | NS | 1 | -34.996 | 26.629 | 0.696 | -34.637 | 27.69 | 1.165 | 3.684 | 33.052 | 12.948 | 5.675 | 30.56 | 24.314 | 0.116 | 306.206 | 1.977 | 0.116 | 281.902 | 2.115 | 0.116 | 0.15 | 0.0 | 0.116 | 0.137 | 0.0 |
| 33 | 8573 | 8574 | SN | 1 | -34.351 | 23.764 | 0.026 | -34.241 | 25.158 | 0.182 | -9.576 | 33.892 | 16.419 | 2.567 | 32.473 | 19.673 | 0.116 | 264.014 | 3.901 | 0.116 | 257.363 | 3.221 | 0.116 | 0.97 | 0.0 | 0.116 | 0.161 | 0.0 |

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

- Normal
- Deviations
- Alarming
- High Errors

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 34 | 8573 | 8574 | SN | 1 | -34.351 | 23.764 | 0.028 | -34.241 | 25.158 | 0.073 | -9.727 | 33.892 | 16.831 | 2.567 | 32.473 | 19.706 | 0.116 | 264.014 | 4.224 | 0.116 | 257.363 | 3.622 | 0.116 | 1.002 | 0.002 | 0.116 | 0.161 | 0.0 |
| 35 | 8574 | 8575 | NS | 1 | -34.634 | 24.202 | 0.199 | -32.909 | 25.773 | 0.392 | -3.302 | 28.637 | 30.231 | 0.184 | 30.077 | 46.433 | 0.116 | 281.705 | 3.012 | 0.116 | 189.424 | 2.941 | 0.116 | 0.305 | 0.0 | 0.116 | 0.196 | 0.0 |
| 36 | 8574 | 8575 | SN | 1 | -34.54 | 26.197 | 0.073 | -34.382 | 27.068 | 0.383 | -20.745 | 30.15 | 18.19 | -6.499 | 30.198 | 19.179 | 0.116 | 275.701 | 5.44 | 0.116 | 265.879 | 3.994 | 0.116 | 11.59 | 0.002 | 0.116 | 0.527 | 0.0 |
| 37 | 8574 | 8575 | NS | 2 | -34.634 | 24.188 | 0.199 | -33.908 | 25.769 | 0.405 | -3.302 | 28.635 | 30.231 | 0.184 | 30.077 | 46.434 | 0.116 | 281.705 | 3.018 | 0.116 | 238.45 | 2.949 | 0.116 | 0.305 | 0.0 | 0.116 | 0.196 | 0.0 |
| 38 | 8575 | 8576 | NS | 1 | -34.976 | 28.877 | 0.326 | -34.688 | 26.548 | 0.383 | -18.5 | 30.261 | 15.01 | -29.065 | 30.518 | 27.718 | 0.116 | 304.828 | 3.122 | 0.116 | 285.24 | 2.663 | 0.116 | 6.951 | 0.067 | 0.116 | 78.204 | 0.083 |
| 39 | 8575 | 8576 | SN | 1 | -34.886 | 28.473 | 0.136 | -34.801 | 28.959 | 0.51 | -6.194 | 34.09 | 16.474 | -8.055 | 30.846 | 14.728 | 0.116 | 298.611 | 5.943 | 0.116 | 292.811 | 5.049 | 0.116 | 0.498 | 0.0 | 0.116 | 0.712 | 0.0 |
| 40 | 8576 | 8577 | NS | 1 | -34.894 | 27.521 | 0.532 | -34.829 | 24.728 | 0.46 | 5.789 | 31.446 | 17.298 | -9.047 | 35.015 | 27.094 | 0.116 | 299.108 | 2.092 | 0.116 | 294.62 | 2.144 | 0.116 | 0.136 | 0.0 | 0.116 | 0.87 | 0.0 |
| 41 | 8581 | 8582 | SN | 1 | -34.416 | 26.332 | 1.494 | -34.502 | 27.064 | 2.515 | -25.573 | 35.374 | 14.282 | -26.805 | 30.035 | 18.911 | 0.116 | 267.972 | 4.784 | 0.116 | 273.322 | 3.628 | 0.116 | 35.057 | 0.086 | 0.116 | 46.518 | 0.048 |
| 42 | 8581 | 8582 | SN | 1 | -34.416 | 26.332 | 1.494 | -34.502 | 27.064 | 2.517 | -25.589 | 35.374 | 14.262 | -26.905 | 30.035 | 18.88 | 0.116 | 267.972 | 4.787 | 0.116 | 273.322 | 3.629 | 0.116 | 35.183 | 0.086 | 0.116 | 47.603 | 0.048 |
| 43 | 8581 | 8582 | NS | 1 | -34.468 | 27.763 | 0.277 | -34.934 | 28.628 | 0.047 | -2.766 | 33.185 | 21.593 | -2.705 | 35.614 | 34.634 | 0.116 | 271.195 | 2.581 | 0.116 | 301.888 | 2.694 | 0.116 | 0.282 | 0.0 | 0.116 | 0.28 | 0.0 |
| 44 | 8582 | 8583 | SN | 1 | -34.772 | 25.464 | 0.611 | -34.916 | 25.054 | 0.868 | 4.552 | 30.301 | 10.316 | 5.105 | 30.99 | 5.861 | 0.116 | 290.86 | 4.791 | 0.116 | 300.571 | 3.871 | 0.116 | 0.144 | 0.0 | 0.116 | 0.14 | 0.0 |
| 45 | 8582 | 8583 | NS | 1 | -34.999 | 28.047 | 0.041 | -34.891 | 27.97 | 0.039 | -6.738 | 34.585 | 17.533 | -2.294 | 34.013 | 30.594 | 0.116 | 306.431 | 6.145 | 0.116 | 298.88 | 6.218 | 0.116 | 0.551 | 0.0 | 0.116 | 0.264 | 0.0 |
| 46 | 8582 | 8583 | SN | 1 | -34.801 | 25.464 | 0.61 | -34.916 | 25.054 | 0.868 | 4.539 | 30.301 | 10.316 | 5.104 | 30.99 | 5.861 | 0.116 | 292.758 | 4.785 | 0.116 | 300.571 | 3.864 | 0.116 | 0.144 | 0.0 | 0.116 | 0.14 | 0.0 |
| 47 | 8582 | 8583 | SN | 1 | -34.801 | 25.464 | 0.598 | -34.916 | 25.054 | 0.852 | 4.539 | 30.301 | 10.316 | 5.104 | 30.99 | 5.861 | 0.116 | 292.758 | 4.69 | 0.116 | 300.571 | 3.792 | 0.116 | 0.144 | 0.0 | 0.116 | 0.14 | 0.0 |
| 48 | 8583 | 8584 | SN | 1 | -34.99 | 24.772 | 0.071 | -34.391 | 24.658 | 0.127 | 6.898 | 29.288 | 16.978 | 7.536 | 29.904 | 8.433 | 0.116 | 305.796 | 1.801 | 0.116 | 266.441 | 1.637 | 0.116 | 0.132 | 0.0 | 0.116 | 0.129 | 0.0 |
| 49 | 8583 | 8584 | NS | 1 | -34.8 | 25.308 | 0.009 | -34.49 | 26.268 | 0.005 | -12.657 | 29.327 | 14.726 | -9.26 | 30.08 | 24.955 | 0.116 | 292.649 | 4.225 | 0.116 | 272.564 | 3.941 | 0.116 | 1.877 | 0.005 | 0.116 | 0.909 | 0.0 |
| 50 | 8583 | 8584 | SN | 1 | -34.535 | 24.774 | 0.072 | -33.819 | 24.658 | 0.129 | 6.9 | 29.29 | 16.98 | 7.537 | 29.904 | 8.454 | 0.116 | 275.358 | 1.83 | 0.116 | 233.498 | 1.663 | 0.116 | 0.132 | 0.0 | 0.116 | 0.129 | 0.0 |
| 51 | 8583 | 8584 | SN | 1 | -34.535 | 24.774 | 0.071 | -33.819 | 24.658 | 0.127 | 6.9 | 29.29 | 16.978 | 7.537 | 29.904 | 8.44 | 0.116 | 275.358 | 1.802 | 0.116 | 233.498 | 1.639 | 0.116 | 0.132 | 0.0 | 0.116 | 0.129 | 0.0 |
| 52 | 8584 | 8585 | SN | 1 | -34.272 | 23.795 | 0.032 | -34.861 | 24.755 | 0.103 | 4.621 | 27.67 | 15.341 | 5.342 | 28.951 | 9.987 | 0.116 | 259.243 | 2.991 | 0.116 | 296.836 | 2.198 | 0.116 | 0.143 | 0.0 | 0.116 | 0.139 | 0.0 |
| 53 | 8584 | 8585 | NS | 1 | -34.85 | 26.98 | 0.034 | -34.662 | 22.18 | 0.002 | -16.483 | 32.159 | 7.396 | -29.003 | 31.573 | 14.972 | 0.116 | 296.184 | 4.263 | 0.116 | 283.535 | 4.291 | 0.116 | 4.402 | 0.001 | 0.116 | 77.104 | 0.001 |
| 54 | 8584 | 8585 | NS | 2 | -34.85 | 26.98 | 0.034 | -34.662 | 22.18 | 0.002 | -16.483 | 32.159 | 7.396 | -29.003 | 31.573 | 14.972 | 0.116 | 296.184 | 4.263 | 0.116 | 283.535 | 4.291 | 0.116 | 4.402 | 0.001 | 0.116 | 77.104 | 0.001 |
| 55 | 8584 | 8585 | SN | 1 | -34.272 | 23.795 | 0.033 | -34.861 | 24.755 | 0.105 | 4.621 | 27.67 | 15.361 | 5.342 | 28.951 | 10.075 | 0.116 | 259.243 | 3.065 | 0.116 | 296.836 | 2.24 | 0.116 | 0.143 | 0.0 | 0.116 | 0.139 | 0.0 |
| 56 | 8584 | 8585 | SN | 1 | -34.425 | 23.796 | 0.035 | -32.768 | 24.755 | 0.103 | 4.621 | 27.668 | 15.341 | 5.342 | 28.951 | 9.986 | 0.116 | 268.556 | 2.992 | 0.116 | 183.363 | 2.197 | 0.116 | 0.143 | 0.0 | 0.116 | 0.139 | 0.0 |
| 57 | 8585 | 8586 | SN | 1 | -34.953 | 23.522 | 0.011 | -34.356 | 23.792 | 0.014 | 5.351 | 28.533 | 17.921 | 5.466 | 29.09 | 21.574 | 0.116 | 303.162 | 2.949 | 0.116 | 264.292 | 2.406 | 0.116 | 0.139 | 0.0 | 0.116 | 0.138 | 0.0 |
| 58 | 8585 | 8586 | NS | 1 | -34.578 | 23.038 | 0.002 | -32.567 | 21.688 | 0.0 | -21.206 | 28.037 | 11.073 | -21.622 | 29.987 | 18.783 | 0.116 | 278.176 | 2.469 | 0.116 | 175.071 | 2.297 | 0.116 | 12.879 | 0.024 | 0.116 | 14.165 | 0.019 |
| 59 | 8585 | 8586 | SN | 2 | -34.953 | 23.522 | 0.01 | -34.356 | 23.792 | 0.016 | 5.353 | 28.533 | 17.496 | 5.466 | 29.09 | 21.021 | 0.116 | 303.162 | 2.856 | 0.116 | 264.292 | 2.331 | 0.116 | 0.139 | 0.0 | 0.116 | 0.138 | 0.0 |
| 60 | 8585 | 8586 | NS | 1 | -34.803 | 23.038 | 0.002 | -32.567 | 21.688 | 0.0 | -21.271 | 28.037 | 11.056 | -21.644 | 29.989 | 18.772 | 0.116 | 292.901 | 2.467 | 0.116 | 175.071 | 2.301 | 0.116 | 13.074 | 0.024 | 0.116 | 14.237 | 0.019 |
| 61 | 8585 | 8586 | SN | 1 | -34.953 | 23.522 | 0.01 | -34.356 | 23.792 | 0.016 | 5.353 | 28.533 | 17.496 | 5.466 | 29.09 | 21.021 | 0.116 | 303.162 | 2.856 | 0.116 | 264.292 | 2.331 | 0.116 | 0.139 | 0.0 | 0.116 | 0.138 | 0.0 |
| 62 | 8586 | 8587 | NS | 1 | -33.952 | 22.797 | 0.052 | -34.916 | 25.125 | 0.052 | -6.417 | 29.995 | 9.079 | -7.589 | 29.686 | 15.248 | 0.116 | 240.756 | 2.766 | 0.116 | 316.088 | 2.231 | 0.116 | 0.519 | 0.0 | 0.116 | 0.649 | 0.0 |
| 63 | 8586 | 8587 | SN | 1 | -34.973 | 21.374 | 0.0 | -33.972 | 21.425 | 0.0 | 4.782 | 28.372 | 18.745 | 8.3 | 29.279 | 22.044 | 0.116 | 304.627 | 2.232 | 0.116 | 241.872 | 1.724 | 0.116 | 0.142 | 0.0 | 0.116 | 0.127 | 0.0 |
| 64 | 8586 | 8587 | NS | 1 | -34.221 | 22.797 | 0.052 | -34.916 | 25.125 | 0.052 | -6.417 | 29.995 | 9.081 | -7.589 | 29.686 | 15.248 | 0.116 | 256.156 | 2.77 | 0.116 | 316.088 | 2.233 | 0.116 | 0.519 | 0.0 | 0.116 | 0.649 | 0.0 |
| 65 | 8586 | 8587 | SN | 2 | -34.973 | 21.374 | 0.0 | -34.857 | 21.425 | 0.0 | 4.782 | 28.372 | 18.746 | 8.3 | 29.279 | 22.045 | 0.116 | 304.627 | 2.232 | 0.116 | 296.543 | 1.724 | 0.116 | 0.142 | 0.0 | 0.116 | 0.127 | 0.0 |
| 66 | 8586 | 8587 | SN | 1 | -34.973 | 21.374 | 0.0 | -33.972 | 21.346 | 0.0 | 4.782 | 28.372 | 19.814 | 8.3 | 29.279 | 22.317 | 0.116 | 304.627 | 2.323 | 0.116 | 241.872 | 1.779 | 0.116 | 0.142 | 0.0 | 0.116 | 0.127 | 0.0 |
| 67 | 8587 | 8588 | NS | 1 | -34.405 | 26.247 | 0.432 | -34.963 | 27.582 | 0.878 | 7.919 | 29.146 | 18.194 | -21.502 | 30.003 | 28.13 | 0.116 | 267.282 | 2.101 | 0.116 | 303.979 | 2.083 | 0.116 | 0.128 | 0.0 | 0.116 | 13.779 | 0.006 |
| 68 | 8587 | 8588 | SN | 1 | -34.332 | 25.051 | 0.071 | -34.96 | 25.512 | 0.116 | -1.941 | 32.357 | 13.719 | -7.447 | 35.114 | 16.33 | 0.116 | 262.804 | 4.888 | 0.116 | 303.713 | 4.657 | 0.116 | 0.252 | 0.0 | 0.116 | 0.632 | 0.0 |
| 69 | 8587 | 8588 | SN | 1 | -34.332 | 25.051 | 0.071 | -34.991 | 25.512 | 0.116 | -1.94 | 32.356 | 13.744 | -7.448 | 35.114 | 16.375 | 0.116 | 262.804 | 4.881 | 0.116 | 305.862 | 4.657 | 0.116 | 0.252 | 0.0 | 0.116 | 0.632 | 0.0 |
| 70 | 8587 | 8588 | SN | 1 | -34.332 | 25.051 | 0.076 | -34.991 | 25.512 | 0.102 | -1.94 | 32.356 | 14.234 | -7.448 | 35.114 | 16.336 | 0.116 | 262.804 | 5.09 | 0.116 | 305.862 | 4.838 | 0.116 | 0.252 | 0.0 | 0.116 | 0.632 | 0.0 |
| 71 | 8587 | 8588 | NS | 2 | -34.374 | 26.247 | 0.432 | -34.328 | 27.582 | 0.878 | 7.919 | 29.146 | 18.193 | -21.502 | 30.003 | 28.131 | 0.116 | 265.381 | 2.101 | 0.116 | 262.59 | 2.082 | 0.116 | 0.128 | 0.0 | 0.116 | 13.779 | 0.006 |
| 72 | 8588 | 8589 | NS | 1 | -34.181 | 25.227 | 0.309 | -34.038 | 25.818 | 0.594 | 6.454 | 33.443 | 22.454 | 8.071 | 31.632 | 38.157 | 0.116 | 253.816 | 2.217 | 0.116 | 245.684 | 1.998 | 0.116 | 0.133 | 0.0 | 0.116 | 0.128 | 0.0 |

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

Normal

Deviations

Alarming

High Errors

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|
| 73 | 8588 | 8589 | NS | 2 | -34.099 | 25.227 | 0.309 | -34.334 | 25.818 | 0.594 | 6.456 | 33.443 | 22.455 | 8.069 | 31.632 | 38.162 | 0.116 | 249.063 | 2.217 | 0.116 | 262.892 | 1.999 | 0.116 | 0.133 | 0.0 | 0.116 | 0.128 | 0.0 |
| 74 | 8588 | 8589 | SN | 1 | -34.566 | 26.657 | 0.077 | -34.878 | 26.636 | 0.365 | -10.516 | 35.391 | 16.828 | -8.27 | 33.508 | 20.812 | 0.116 | 277.409 | 4.908 | 0.116 | 298.071 | 4.153 | 0.116 | 1.183 | 0.004 | 0.116 | 0.743 | 0.0 |
| 75 | 8588 | 8589 | SN | 1 | -34.566 | 26.657 | 0.084 | -34.509 | 26.636 | 0.128 | -10.604 | 35.391 | 17.576 | -8.267 | 33.508 | 20.828 | 0.116 | 277.409 | 4.826 | 0.116 | 273.74 | 3.939 | 0.116 | 1.205 | 0.004 | 0.116 | 0.743 | 0.0 |
| 76 | 8588 | 8589 | SN | 1 | -34.566 | 26.657 | 0.077 | -34.994 | 26.636 | 0.365 | -10.598 | 35.391 | 16.86 | -8.267 | 33.508 | 20.857 | 0.116 | 277.409 | 4.908 | 0.116 | 306.1 | 4.148 | 0.116 | 1.203 | 0.004 | 0.116 | 0.743 | 0.0 |
| 77 | 8589 | 8590 | SN | 1 | -34.956 | 27.577 | 0.124 | -34.844 | 27.364 | 0.5 | -15.004 | 29.102 | 16.542 | -0.028 | 33.558 | 14.955 | 0.116 | 303.361 | 5.961 | 0.116 | 295.749 | 5.551 | 0.116 | 3.157 | 0.007 | 0.116 | 0.201 | 0.0 |
| 78 | 8589 | 8590 | NS | 1 | -34.668 | 26.494 | 0.213 | -34.249 | 29.062 | 0.327 | -31.794 | 28.467 | 28.086 | -23.799 | 30.266 | 42.123 | 0.116 | 283.967 | 4.076 | 0.116 | 257.81 | 3.858 | 0.116 | 146.522 | 0.066 | 0.116 | 23.325 | 0.034 |
| 79 | 8590 | 8591 | NS | 1 | -34.595 | 27.486 | 0.264 | -34.95 | 25.851 | 0.142 | -29.578 | 34.085 | 14.997 | -30.493 | 34.256 | 26.371 | 0.116 | 279.245 | 2.242 | 0.116 | 302.968 | 2.105 | 0.116 | 88.017 | 0.26 | 0.116 | 108.622 | 0.207 |
| 80 | 8590 | 8591 | NS | 1 | -34.595 | 27.486 | 0.265 | -34.95 | 25.851 | 0.142 | -29.578 | 34.085 | 14.895 | -30.493 | 34.256 | 26.196 | 0.116 | 279.245 | 2.243 | 0.116 | 302.968 | 2.105 | 0.116 | 88.017 | 0.26 | 0.116 | 108.622 | 0.207 |

| | | | |
|--------------------------|------------|-------|-----|
| 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 | 8566 | 8567 | SN | 2 | 57.685 | 58.312 | 0.0 | 0.0 | 294.203 | 3.834 | 1237.184 | 1264.96 | 0.0 | -93.064 | -92.118 | 0.0 |
| 2 | 8566 | 8567 | SN | 1 | 57.685 | 58.312 | 0.0 | 0.003 | 285.727 | 3.112 | 1237.184 | 1264.96 | 0.0 | -93.064 | -92.118 | 0.0 |
| 3 | 8566 | 8567 | SN | 1 | 57.685 | 58.312 | 0.0 | 0.0 | 294.203 | 3.834 | 1237.184 | 1264.96 | 0.0 | -93.064 | -92.118 | 0.0 |
| 4 | 8567 | 8568 | SN | 1 | 57.684 | 58.28 | 0.0 | 0.0 | 287.784 | 3.669 | 1236.568 | 1264.912 | 0.0 | -93.044 | -92.116 | 0.0 |
| 5 | 8567 | 8568 | NS | 1 | 57.427 | 58.086 | 0.0 | 0.0 | 297.887 | 3.587 | 1195.336 | 1257.416 | 33.328 | -93.645 | -91.784 | 0.0 |
| 6 | 8567 | 8568 | SN | 1 | 57.684 | 58.28 | 0.0 | 0.0 | 287.784 | 3.299 | 1236.568 | 1264.912 | 0.0 | -93.044 | -92.116 | 0.0 |
| 7 | 8567 | 8568 | SN | 1 | 57.684 | 58.28 | 0.0 | 0.0 | 287.784 | 3.672 | 1236.568 | 1264.912 | 0.0 | -93.044 | -92.116 | 0.0 |
| 8 | 8568 | 8569 | SN | 1 | 57.695 | 58.306 | 0.0 | 0.003 | 298.593 | 3.163 | 1236.096 | 1265.632 | 0.0 | -93.17 | -92.14 | 0.0 |
| 9 | 8568 | 8569 | SN | 1 | 57.694 | 58.306 | 0.0 | 0.0 | 298.61 | 3.491 | 1236.088 | 1265.048 | 0.0 | -93.17 | -92.14 | 0.0 |
| 10 | 8568 | 8569 | NS | 1 | 57.436 | 58.084 | 0.0 | 0.0 | 290.679 | 3.487 | 1195.32 | 1257.664 | 34.574 | -93.645 | -91.79 | 0.0 |
| 11 | 8568 | 8569 | SN | 1 | 57.694 | 58.306 | 0.0 | 0.003 | 298.61 | 3.16 | 1236.088 | 1265.048 | 0.0 | -93.17 | -92.14 | 0.0 |
| 12 | 8568 | 8569 | NS | 1 | 57.427 | 58.084 | 0.0 | 0.0 | 290.679 | 3.523 | 1195.28 | 1257.664 | 34.538 | -93.645 | -91.79 | 0.0 |
| 13 | 8569 | 8570 | SN | 1 | 57.702 | 58.303 | 0.0 | 0.0 | 294.291 | 3.504 | 1236.192 | 1265.016 | 0.0 | -93.025 | -92.139 | 0.0 |
| 14 | 8569 | 8570 | NS | 1 | 57.433 | 58.085 | 0.0 | 0.0 | 294.942 | 3.665 | 1195.536 | 1257.656 | 34.504 | -93.644 | -91.8 | 0.0 |
| 15 | 8569 | 8570 | SN | 1 | 57.702 | 58.303 | 0.0 | 0.0 | 294.291 | 3.149 | 1236.192 | 1265.016 | 0.0 | -93.025 | -92.139 | 0.0 |
| 16 | 8569 | 8570 | SN | 1 | 57.694 | 58.298 | 0.0 | 0.0 | 294.291 | 3.5 | 1236.192 | 1265.016 | 0.0 | -93.254 | -92.139 | 0.0 |
| 17 | 8570 | 8571 | NS | 2 | 57.451 | 58.091 | 0.0 | 0.0 | 297.694 | 3.65 | 1196.24 | 1257.584 | 35.757 | -92.874 | -91.766 | 0.0 |
| 18 | 8570 | 8571 | NS | 1 | 57.451 | 58.084 | 0.0 | 0.0 | 297.694 | 3.65 | 1196.24 | 1257.584 | 35.757 | -92.847 | -91.766 | 0.0 |
| 19 | 8570 | 8571 | SN | 1 | 57.71 | 58.28 | 0.0 | 0.0 | 289.372 | 3.54 | 1236.152 | 1264.968 | 0.0 | -92.981 | -92.137 | 0.0 |
| 20 | 8570 | 8571 | SN | 1 | 57.713 | 58.28 | 0.0 | 0.0 | 289.416 | 3.533 | 1236.072 | 1264.976 | 0.0 | -93.022 | -92.137 | 0.0 |
| 21 | 8571 | 8572 | NS | 2 | 57.432 | 58.111 | 0.0 | 0.0 | 295.295 | 3.696 | 1195.88 | 1257.56 | 36.669 | -93.641 | -91.79 | 0.0 |
| 22 | 8571 | 8572 | SN | 1 | 57.683 | 58.28 | 0.0 | 0.0 | 298.781 | 3.369 | 1236.312 | 1264.984 | 0.0 | -93.16 | -92.139 | 0.0 |
| 23 | 8571 | 8572 | SN | 1 | 57.683 | 58.28 | 0.0 | 0.0 | 298.781 | 3.551 | 1236.312 | 1264.984 | 0.0 | -93.16 | -92.139 | 0.0 |
| 24 | 8571 | 8572 | SN | 2 | 57.683 | 58.28 | 0.0 | 0.0 | 298.781 | 3.551 | 1236.312 | 1264.984 | 0.0 | -93.16 | -92.139 | 0.0 |
| 25 | 8571 | 8572 | NS | 1 | 57.432 | 58.111 | 0.0 | 0.0 | 295.306 | 3.696 | 1195.872 | 1257.568 | 36.669 | -93.641 | -91.79 | 0.0 |
| 26 | 8572 | 8573 | SN | 1 | 57.7 | 58.304 | 0.0 | 0.003 | 299.702 | 3.221 | 1236.368 | 1265.064 | 0.0 | -93.224 | -92.12 | 0.0 |
| 27 | 8572 | 8573 | SN | 1 | 57.7 | 58.3 | 0.0 | 0.0 | 299.636 | 3.675 | 1236.36 | 1265.072 | 0.0 | -93.224 | -92.12 | 0.0 |
| 28 | 8572 | 8573 | NS | 1 | 57.449 | 58.118 | 0.0 | 0.0 | 294.793 | 3.64 | 1195.744 | 1257.584 | 36.707 | -92.921 | -91.798 | 0.0 |
| 29 | 8572 | 8573 | SN | 2 | 57.7 | 58.304 | 0.0 | 0.0 | 299.702 | 3.671 | 1236.368 | 1265.064 | 0.0 | -93.224 | -92.12 | 0.0 |
| 30 | 8572 | 8573 | NS | 1 | 57.449 | 58.118 | 0.0 | 0.0 | 294.793 | 3.644 | 1195.744 | 1257.584 | 36.678 | -92.932 | -91.798 | 0.0 |
| 31 | 8573 | 8574 | SN | 1 | 57.504 | 58.311 | 0.0 | 0.0 | 292.234 | 3.733 | 1231.776 | 1265.392 | 0.0 | -95.619 | -92.13 | 0.0 |
| 32 | 8573 | 8574 | NS | 1 | 57.412 | 58.083 | 0.0 | 0.0 | 297.28 | 3.625 | 1195.032 | 1257.856 | 35.88 | -93.64 | -91.796 | 0.0 |
| 33 | 8573 | 8574 | SN | 1 | 57.504 | 58.311 | 0.0 | 0.0 | 292.234 | 3.729 | 1231.776 | 1265.392 | 0.0 | -95.619 | -92.13 | 0.0 |
| 34 | 8573 | 8574 | SN | 1 | 57.504 | 58.311 | 0.0 | 0.0 | 287.271 | 2.81 | 1231.776 | 1265.392 | 0.0 | -94.755 | -92.13 | 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 | 8574 | 8575 | NS | 1 | 57.425 | 58.081 | 0.0 | 0.0 | 290.734 | 3.742 | 1195.64 | 1257.992 | 36.899 | -93.64 | -91.75 | 0.0 |
| 36 | 8574 | 8575 | SN | 1 | 57.697 | 58.284 | 0.0 | 0.0 | 299.873 | 3.594 | 1236.576 | 1265.552 | 0.0 | -93.029 | -92.108 | 0.0 |
| 37 | 8574 | 8575 | NS | 2 | 57.425 | 58.081 | 0.0 | 0.0 | 290.734 | 3.744 | 1195.64 | 1257.992 | 36.886 | -93.64 | -91.75 | 0.0 |
| 38 | 8575 | 8576 | NS | 1 | 57.417 | 58.085 | 0.0 | 0.0 | 295.052 | 3.967 | 1195.424 | 1257.984 | 36.599 | -93.641 | -91.79 | 0.0 |
| 39 | 8575 | 8576 | SN | 1 | 57.694 | 58.305 | 0.0 | 0.0 | 296.646 | 3.572 | 1236.696 | 1265.584 | 0.0 | -93.069 | -92.148 | 0.0 |
| 40 | 8576 | 8577 | NS | 1 | 57.418 | 58.08 | 0.0 | 0.0 | 297.474 | 3.827 | 1195.208 | 1257.992 | 37.108 | -92.841 | -91.796 | 0.0 |
| 41 | 8581 | 8582 | SN | 1 | 57.721 | 58.304 | 0.0 | 0.0 | 298.075 | 3.81 | 1236.896 | 1266.168 | 0.0 | -93.107 | -92.098 | 0.0 |
| 42 | 8581 | 8582 | SN | 1 | 57.721 | 58.304 | 0.0 | 0.0 | 298.075 | 3.806 | 1236.896 | 1266.168 | 0.0 | -93.107 | -92.098 | 0.0 |
| 43 | 8581 | 8582 | NS | 1 | 57.41 | 58.077 | 0.0 | 0.0 | 294.622 | 3.798 | 1194.28 | 1258.432 | 33.707 | -93.636 | -91.772 | 0.0 |
| 44 | 8582 | 8583 | SN | 1 | 57.692 | 58.307 | 0.0 | 0.0 | 295.157 | 3.24 | 1236.808 | 1266.368 | 0.0 | -93.086 | -92.136 | 0.0 |
| 45 | 8582 | 8583 | NS | 1 | 57.441 | 58.077 | 0.0 | 0.0 | 293.365 | 3.622 | 1194.68 | 1258.792 | 35.189 | -93.635 | -91.782 | 0.0 |
| 46 | 8582 | 8583 | SN | 1 | 57.692 | 58.307 | 0.0 | 0.0 | 295.157 | 3.236 | 1236.68 | 1266.368 | 0.0 | -93.086 | -92.136 | 0.0 |
| 47 | 8582 | 8583 | SN | 1 | 57.692 | 58.307 | 0.0 | 0.0 | 295.157 | 3.574 | 1236.68 | 1266.368 | 0.0 | -93.086 | -92.136 | 0.0 |
| 48 | 8583 | 8584 | SN | 1 | 57.69 | 58.295 | 0.0 | 0.0 | 292.924 | 3.506 | 1236.568 | 1266.408 | 0.0 | -93.076 | -92.145 | 0.0 |
| 49 | 8583 | 8584 | NS | 1 | 57.443 | 58.076 | 0.0 | 0.0 | 298.676 | 3.642 | 1194.768 | 1258.88 | 35.908 | -93.634 | -91.795 | 0.0 |
| 50 | 8583 | 8584 | SN | 1 | 57.693 | 58.31 | 0.0 | 0.0 | 292.924 | 3.172 | 1237.184 | 1266.408 | 0.0 | -93.063 | -92.145 | 0.0 |
| 51 | 8583 | 8584 | SN | 1 | 57.693 | 58.31 | 0.0 | 0.0 | 292.924 | 3.51 | 1237.184 | 1266.408 | 0.0 | -93.063 | -92.145 | 0.0 |
| 52 | 8584 | 8585 | SN | 1 | 57.684 | 58.316 | 0.0 | 0.0 | 290.453 | 3.506 | 1236.536 | 1266.392 | 0.0 | -93.051 | -92.127 | 0.0 |
| 53 | 8584 | 8585 | NS | 1 | 57.412 | 58.088 | 0.0 | 0.0 | 298.692 | 3.646 | 1194.736 | 1258.84 | 35.256 | -93.633 | -91.784 | 0.0 |
| 54 | 8584 | 8585 | NS | 2 | 57.412 | 58.088 | 0.0 | 0.0 | 298.692 | 3.646 | 1194.736 | 1258.84 | 35.256 | -93.633 | -91.784 | 0.0 |
| 55 | 8584 | 8585 | SN | 1 | 57.684 | 58.316 | 0.0 | 0.003 | 290.453 | 3.125 | 1236.536 | 1266.392 | 0.0 | -93.051 | -92.127 | 0.0 |
| 56 | 8584 | 8585 | SN | 1 | 57.693 | 58.311 | 0.0 | 0.0 | 290.453 | 3.505 | 1236.48 | 1266.4 | 0.0 | -93.17 | -92.127 | 0.0 |
| 57 | 8585 | 8586 | SN | 1 | 57.687 | 58.29 | 0.0 | 0.0 | 289.135 | 3.053 | 1237.368 | 1266.392 | 0.0 | -93.054 | -92.145 | 0.0 |
| 58 | 8585 | 8586 | NS | 1 | 57.427 | 58.105 | 0.0 | 0.0 | 297.86 | 3.828 | 1195.408 | 1258.84 | 37.179 | -92.969 | -91.787 | 0.0 |
| 59 | 8585 | 8586 | SN | 2 | 57.687 | 58.29 | 0.0 | 0.0 | 289.135 | 3.54 | 1237.368 | 1266.392 | 0.0 | -93.054 | -92.145 | 0.0 |
| 60 | 8585 | 8586 | NS | 1 | 57.433 | 58.106 | 0.0 | 0.0 | 297.793 | 3.825 | 1195.384 | 1258.856 | 37.247 | -92.969 | -91.787 | 0.0 |
| 61 | 8585 | 8586 | SN | 1 | 57.687 | 58.29 | 0.0 | 0.0 | 289.135 | 3.54 | 1237.368 | 1266.392 | 0.0 | -93.054 | -92.145 | 0.0 |
| 62 | 8586 | 8587 | NS | 1 | 57.442 | 58.088 | 0.0 | 0.0 | 298.621 | 3.682 | 1195.272 | 1258.76 | 38.12 | -93.632 | -91.793 | 0.0 |
| 63 | 8586 | 8587 | SN | 1 | 57.411 | 58.29 | 0.0 | 0.003 | 297.468 | 3.604 | 1233.968 | 1266.328 | 0.0 | -94.794 | -92.146 | 0.0 |
| 64 | 8586 | 8587 | NS | 1 | 57.442 | 58.088 | 0.0 | 0.0 | 298.621 | 3.686 | 1195.272 | 1258.76 | 38.053 | -93.632 | -91.793 | 0.0 |
| 65 | 8586 | 8587 | SN | 2 | 57.413 | 58.29 | 0.0 | 0.003 | 297.187 | 3.606 | 1234.008 | 1266.328 | 0.0 | -94.795 | -92.146 | 0.0 |
| 66 | 8586 | 8587 | SN | 1 | 57.691 | 58.29 | 0.0 | 0.003 | 288.898 | 2.898 | 1236.656 | 1266.328 | 0.0 | -93.1 | -92.146 | 0.0 |
| 67 | 8587 | 8588 | NS | 1 | 57.438 | 58.108 | 0.0 | 0.0 | 291.732 | 3.659 | 1194.84 | 1258.928 | 37.626 | -93.632 | -91.79 | 0.0 |
| 68 | 8587 | 8588 | SN | 1 | 57.721 | 58.308 | 0.0 | 0.0 | 291.341 | 3.677 | 1237.192 | 1266.536 | 0.0 | -93.067 | -92.115 | 0.0 |
| 69 | 8587 | 8588 | SN | 1 | 57.693 | 58.308 | 0.0 | 0.0 | 291.341 | 3.68 | 1236.656 | 1266.536 | 0.0 | -93.067 | -92.115 | 0.0 |
| 70 | 8587 | 8588 | SN | 1 | 57.693 | 58.308 | 0.0 | 0.0 | 289.951 | 2.645 | 1236.656 | 1266.536 | 0.0 | -93.067 | -92.115 | 0.0 |
| 71 | 8587 | 8588 | NS | 2 | 57.433 | 58.107 | 0.0 | 0.0 | 292.008 | 3.661 | 1194.48 | 1258.904 | 37.621 | -93.632 | -91.79 | 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 |

| | | | | | | | | | | | | | | | | |
|----|------|------|----|---|--------|--------|-----|-----|---------|-------|----------|----------|--------|---------|---------|-----|
| 72 | 8588 | 8589 | NS | 1 | 57.402 | 58.256 | 0.0 | 0.0 | 299.034 | 3.698 | 1194.56 | 1259.208 | 37.776 | -95.707 | -91.785 | 0.0 |
| 73 | 8588 | 8589 | NS | 2 | 57.404 | 58.256 | 0.0 | 0.0 | 299.454 | 3.696 | 1194.256 | 1259.176 | 37.752 | -95.707 | -91.785 | 0.0 |
| 74 | 8588 | 8589 | SN | 1 | 57.687 | 58.294 | 0.0 | 0.0 | 296.426 | 3.577 | 1236.96 | 1266.832 | 0.0 | -93.227 | -92.127 | 0.0 |
| 75 | 8588 | 8589 | SN | 1 | 57.687 | 58.294 | 0.0 | 0.0 | 296.426 | 2.365 | 1236.96 | 1266.832 | 0.0 | -93.227 | -92.127 | 0.0 |
| 76 | 8588 | 8589 | SN | 1 | 57.687 | 58.294 | 0.0 | 0.0 | 296.426 | 3.581 | 1236.96 | 1266.832 | 0.0 | -93.227 | -92.127 | 0.0 |
| 77 | 8589 | 8590 | SN | 1 | 57.696 | 58.307 | 0.0 | 0.0 | 294.286 | 3.53 | 1237.6 | 1266.904 | 0.0 | -93.841 | -92.115 | 0.0 |
| 78 | 8589 | 8590 | NS | 1 | 57.417 | 58.073 | 0.0 | 0.0 | 296.828 | 4.017 | 1194.784 | 1259.184 | 37.769 | -93.631 | -91.744 | 0.0 |
| 79 | 8590 | 8591 | NS | 1 | 57.421 | 58.071 | 0.0 | 0.0 | 295.808 | 3.742 | 1194.48 | 1259.064 | 38.307 | -93.632 | -91.788 | 0.0 |
| 80 | 8590 | 8591 | NS | 1 | 57.421 | 58.071 | 0.0 | 0.0 | 295.808 | 3.705 | 1194.48 | 1259.064 | 38.347 | -93.632 | -91.788 | 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 | 8566 | 8567 | SN | 2 | -34.985 | 19.596 | 0.0 | -32.072 | 19.827 | 0.0 | -31.305 | 23.533 | 0.048 | -23.414 | 23.077 | 0.03 | 0.086 | 233.463 | 2.164 | 0.086 | 119.406 | 1.646 | 0.086 | 100.071 | 0.101 | 0.086 | 16.317 | 0.099 |
| 2 | 8566 | 8567 | SN | 1 | -34.985 | 19.596 | 0.0 | -32.072 | 19.827 | 0.0 | -31.305 | 23.533 | 0.049 | -23.414 | 23.077 | 0.032 | 0.086 | 233.463 | 2.248 | 0.086 | 119.406 | 1.832 | 0.086 | 100.071 | 0.102 | 0.086 | 16.317 | 0.099 |
| 3 | 8566 | 8567 | SN | 1 | -34.985 | 19.596 | 0.0 | -32.072 | 19.827 | 0.0 | -31.305 | 23.533 | 0.048 | -23.414 | 23.077 | 0.03 | 0.086 | 233.463 | 2.164 | 0.086 | 119.406 | 1.646 | 0.086 | 100.071 | 0.101 | 0.086 | 16.317 | 0.099 |
| 4 | 8567 | 8568 | SN | 1 | -34.841 | 20.24 | 0.0 | -34.905 | 20.305 | 0.0 | -29.764 | 23.037 | 0.072 | -31.39 | 23.827 | 0.142 | 0.086 | 225.878 | 5.544 | 0.086 | 229.155 | 4.74 | 0.086 | 70.208 | 0.159 | 0.086 | 102.059 | 0.262 |
| 5 | 8567 | 8568 | NS | 1 | -33.885 | 21.774 | 0.0 | -34.734 | 22.69 | 0.003 | -1.353 | 24.158 | 0.042 | -14.483 | 24.318 | 0.274 | 0.086 | 181.274 | 1.712 | 0.086 | 220.374 | 1.834 | 0.086 | 0.174 | 0.0 | 0.086 | 2.143 | 0.002 |
| 6 | 8567 | 8568 | SN | 1 | -34.841 | 20.24 | 0.0 | -34.905 | 20.305 | 0.0 | -29.668 | 23.037 | 0.072 | -31.39 | 23.827 | 0.142 | 0.086 | 225.878 | 5.701 | 0.086 | 229.155 | 4.862 | 0.086 | 68.685 | 0.159 | 0.086 | 102.059 | 0.262 |
| 7 | 8567 | 8568 | SN | 1 | -34.841 | 20.24 | 0.0 | -34.905 | 20.305 | 0.0 | -29.668 | 23.037 | 0.072 | -31.39 | 23.827 | 0.142 | 0.086 | 225.878 | 5.544 | 0.086 | 229.155 | 4.741 | 0.086 | 68.685 | 0.159 | 0.086 | 102.059 | 0.262 |
| 8 | 8568 | 8569 | SN | 1 | -34.954 | 18.566 | 0.0 | -34.886 | 18.632 | 0.0 | 1.352 | 23.326 | 0.247 | 1.926 | 23.533 | 0.423 | 0.086 | 231.828 | 2.892 | 0.086 | 228.206 | 2.366 | 0.086 | 0.131 | 0.0 | 0.086 | 0.125 | 0.0 |
| 9 | 8568 | 8569 | SN | 1 | -34.584 | 18.567 | 0.0 | -34.485 | 18.632 | 0.0 | 1.352 | 23.326 | 0.246 | 1.926 | 23.533 | 0.422 | 0.086 | 218.286 | 2.846 | 0.086 | 208.094 | 2.332 | 0.086 | 0.131 | 0.0 | 0.086 | 0.125 | 0.0 |
| 10 | 8568 | 8569 | NS | 1 | -34.581 | 16.621 | 0.0 | -34.815 | 17.149 | 0.0 | -12.326 | 23.139 | 0.059 | -29.896 | 23.577 | 0.247 | 0.087 | 212.73 | 3.914 | 0.087 | 224.534 | 4.024 | 0.086 | 1.33 | 0.002 | 0.086 | 72.37 | 0.059 |
| 11 | 8568 | 8569 | SN | 1 | -34.584 | 18.567 | 0.0 | -34.485 | 18.632 | 0.0 | 1.352 | 23.326 | 0.246 | 1.926 | 23.533 | 0.422 | 0.086 | 218.286 | 2.898 | 0.086 | 208.094 | 2.365 | 0.086 | 0.131 | 0.0 | 0.086 | 0.125 | 0.0 |
| 12 | 8568 | 8569 | NS | 1 | -34.892 | 16.621 | 0.0 | -34.871 | 17.15 | 0.0 | -12.312 | 23.139 | 0.059 | -30.262 | 23.577 | 0.247 | 0.087 | 228.497 | 3.9 | 0.087 | 227.404 | 4.016 | 0.086 | 1.326 | 0.002 | 0.086 | 78.74 | 0.059 |
| 13 | 8569 | 8570 | SN | 1 | -34.051 | 18.083 | 0.0 | -34.498 | 18.526 | 0.0 | 1.438 | 23.119 | 0.222 | 2.307 | 23.377 | 0.546 | 0.086 | 188.299 | 1.451 | 0.086 | 208.71 | 1.296 | 0.086 | 0.13 | 0.0 | 0.086 | 0.122 | 0.0 |
| 14 | 8569 | 8570 | NS | 1 | -34.716 | 19.378 | 0.0 | -34.834 | 18.962 | 0.0 | -23.748 | 22.882 | 0.043 | -22.023 | 23.581 | 0.158 | 0.086 | 219.411 | 3.294 | 0.086 | 225.462 | 3.335 | 0.086 | 17.618 | 0.119 | 0.086 | 11.862 | 0.104 |
| 15 | 8569 | 8570 | SN | 1 | -34.051 | 18.083 | 0.0 | -34.498 | 18.526 | 0.0 | 1.438 | 23.119 | 0.222 | 2.307 | 23.377 | 0.556 | 0.086 | 188.299 | 1.481 | 0.086 | 208.71 | 1.311 | 0.086 | 0.13 | 0.0 | 0.086 | 0.122 | 0.0 |
| 16 | 8569 | 8570 | SN | 1 | -34.69 | 18.083 | 0.0 | -34.98 | 18.526 | 0.0 | 1.438 | 23.119 | 0.222 | 2.307 | 23.377 | 0.546 | 0.086 | 218.106 | 1.455 | 0.086 | 233.2 | 1.298 | 0.086 | 0.13 | 0.0 | 0.086 | 0.122 | 0.0 |
| 17 | 8570 | 8571 | NS | 2 | -33.846 | 14.878 | 0.0 | -34.549 | 15.829 | 0.0 | -25.88 | 23.089 | 0.114 | -23.961 | 23.652 | 0.175 | 0.087 | 179.658 | 2.028 | 0.087 | 211.154 | 2.026 | 0.086 | 28.742 | 0.019 | 0.086 | 18.5 | 0.01 |
| 18 | 8570 | 8571 | NS | 1 | -33.846 | 14.878 | 0.0 | -34.549 | 15.829 | 0.0 | -25.88 | 23.089 | 0.114 | -23.941 | 23.652 | 0.175 | 0.087 | 179.658 | 2.028 | 0.087 | 211.154 | 2.026 | 0.086 | 28.742 | 0.019 | 0.086 | 18.416 | 0.01 |
| 19 | 8570 | 8571 | SN | 1 | -34.874 | 17.975 | 0.0 | -34.962 | 18.645 | 0.0 | 1.221 | 22.633 | 0.259 | 2.013 | 23.102 | 1.283 | 0.086 | 227.575 | 3.316 | 0.086 | 232.236 | 2.768 | 0.086 | 0.133 | 0.0 | 0.086 | 0.124 | 0.0 |
| 20 | 8570 | 8571 | SN | 1 | -34.929 | 17.975 | 0.0 | -34.779 | 18.645 | 0.0 | 1.222 | 22.633 | 0.259 | 2.01 | 23.102 | 1.283 | 0.086 | 230.477 | 3.311 | 0.086 | 222.698 | 2.76 | 0.086 | 0.133 | 0.0 | 0.086 | 0.124 | 0.0 |
| 21 | 8571 | 8572 | NS | 2 | -34.461 | 19.148 | 0.0 | -34.25 | 15.89 | 0.0 | -17.917 | 23.278 | 0.124 | -20.841 | 23.328 | 0.342 | 0.086 | 206.886 | 2.537 | 0.087 | 197.125 | 2.585 | 0.086 | 4.767 | 0.014 | 0.086 | 9.053 | 0.019 |
| 22 | 8571 | 8572 | SN | 1 | -34.895 | 16.748 | 0.0 | -34.592 | 17.09 | 0.0 | 1.102 | 22.749 | 0.107 | 2.109 | 23.413 | 0.258 | 0.087 | 228.712 | 2.181 | 0.087 | 213.313 | 2.017 | 0.086 | 0.134 | 0.0 | 0.086 | 0.123 | 0.0 |
| 23 | 8571 | 8572 | SN | 1 | -34.895 | 16.748 | 0.0 | -34.592 | 17.09 | 0.0 | 1.102 | 22.749 | 0.106 | 2.109 | 23.413 | 0.258 | 0.087 | 228.712 | 2.173 | 0.087 | 213.313 | 2.009 | 0.086 | 0.134 | 0.0 | 0.086 | 0.123 | 0.0 |
| 24 | 8571 | 8572 | SN | 2 | -34.895 | 16.748 | 0.0 | -34.592 | 17.09 | 0.0 | 1.102 | 22.749 | 0.106 | 2.109 | 23.413 | 0.258 | 0.087 | 228.712 | 2.173 | 0.087 | 213.313 | 2.009 | 0.086 | 0.134 | 0.0 | 0.086 | 0.123 | 0.0 |
| 25 | 8571 | 8572 | NS | 1 | -34.461 | 19.148 | 0.0 | -33.772 | 15.89 | 0.0 | -17.912 | 23.278 | 0.124 | -20.841 | 23.328 | 0.342 | 0.086 | 206.886 | 2.538 | 0.087 | 176.582 | 2.585 | 0.086 | 4.763 | 0.014 | 0.086 | 9.053 | 0.019 |
| 26 | 8572 | 8573 | SN | 1 | -34.874 | 16.878 | 0.0 | -33.714 | 16.321 | 0.0 | 1.017 | 24.081 | 0.478 | 0.633 | 23.818 | 0.816 | 0.087 | 227.579 | 3.64 | 0.087 | 174.246 | 3.366 | 0.086 | 0.135 | 0.0 | 0.086 | 0.14 | 0.0 |
| 27 | 8572 | 8573 | SN | 1 | -34.94 | 16.878 | 0.0 | -33.636 | 16.321 | 0.0 | 1.017 | 24.081 | 0.47 | 0.633 | 23.818 | 0.816 | 0.087 | 231.063 | 3.546 | 0.087 | 171.16 | 3.249 | 0.086 | 0.135 | 0.0 | 0.086 | 0.14 | 0.0 |
| 28 | 8572 | 8573 | NS | 1 | -34.28 | 19.674 | 0.0 | -33.389 | 20.144 | 0.0 | -26.025 | 23.32 | 0.263 | -14.255 | 23.792 | 0.696 | 0.086 | 198.491 | 1.685 | 0.086 | 161.644 | 1.68 | 0.086 | 29.722 | 0.053 | 0.086 | 2.038 | 0.016 |
| 29 | 8572 | 8573 | SN | 2 | -34.874 | 16.878 | 0.0 | -33.714 | 16.321 | 0.0 | 1.017 | 24.081 | 0.47 | 0.633 | 23.818 | 0.816 | 0.087 | 227.579 | 3.547 | 0.087 | 174.246 | 3.248 | 0.086 | 0.135 | 0.0 | 0.086 | 0.14 | 0.0 |
| 30 | 8572 | 8573 | NS | 1 | -33.619 | 19.675 | 0.0 | -34.957 | 20.144 | 0.0 | -26.025 | 23.318 | 0.263 | -14.255 | 23.79 | 0.696 | 0.086 | 170.502 | 1.688 | 0.086 | 231.985 | 1.682 | 0.086 | 29.722 | 0.053 | 0.086 | 2.038 | 0.016 |
| 31 | 8573 | 8574 | SN | 1 | -34.902 | 20.018 | 0.0 | -34.026 | 20.475 | 0.0 | -16.126 | 24.854 | 0.87 | -8.553 | 25.784 | 1.664 | 0.086 | 229.046 | 3.354 | 0.086 | 187.207 | 3.212 | 0.086 | 3.099 | 0.004 | 0.086 | 0.597 | 0.0 |
| 32 | 8573 | 8574 | NS | 1 | -34.88 | 20.119 | 0.0 | -34.221 | 21.697 | 0.0 | -0.162 | 23.153 | 0.139 | 1.796 | 23.864 | 0.8 | 0.086 | 227.846 | 1.733 | 0.086 | 195.79 | 1.93 | 0.086 | 0.152 | 0.0 | 0.086 | 0.126 | 0.0 |





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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|---------|-------|
| 33 | 8573 | 8574 | SN | 1 | -34.902 | 20.018 | 0.0 | -34.026 | 20.475 | 0.0 | -16.129 | 24.854 | 0.868 | -8.553 | 25.784 | 1.66 | 0.086 | 229.046 | 3.354 | 0.086 | 187.207 | 3.212 | 0.086 | 3.101 | 0.004 | 0.086 | 0.597 | 0.0 |
| 34 | 8573 | 8574 | SN | 1 | -34.902 | 20.018 | 0.0 | -34.026 | 20.475 | 0.0 | -16.126 | 24.854 | 0.899 | -8.553 | 25.784 | 1.666 | 0.086 | 229.046 | 3.592 | 0.086 | 187.207 | 3.394 | 0.086 | 3.099 | 0.005 | 0.086 | 0.597 | 0.0 |
| 35 | 8574 | 8575 | NS | 1 | -34.936 | 23.034 | 0.006 | -34.572 | 19.284 | 0.0 | -0.074 | 23.529 | 0.135 | -14.068 | 24.234 | 1.577 | 0.086 | 230.783 | 2.563 | 0.086 | 212.325 | 2.596 | 0.086 | 0.15 | 0.0 | 0.086 | 1.954 | 0.002 |
| 36 | 8574 | 8575 | SN | 1 | -34.755 | 21.284 | 0.0 | -34.671 | 20.838 | 0.0 | -30.924 | 24.03 | 0.45 | -18.768 | 24.503 | 0.752 | 0.086 | 221.368 | 5.665 | 0.086 | 217.219 | 4.645 | 0.086 | 91.693 | 0.09 | 0.086 | 5.64 | 0.005 |
| 37 | 8574 | 8575 | NS | 2 | -34.936 | 23.038 | 0.006 | -34.572 | 19.284 | 0.0 | -0.074 | 23.529 | 0.135 | -14.067 | 24.234 | 1.581 | 0.086 | 230.783 | 2.562 | 0.086 | 212.325 | 2.598 | 0.086 | 0.15 | 0.0 | 0.086 | 1.954 | 0.002 |
| 38 | 8575 | 8576 | NS | 1 | -34.892 | 20.936 | 0.0 | -34.601 | 20.062 | 0.0 | -24.094 | 22.899 | 0.11 | -21.48 | 24.514 | 2.641 | 0.086 | 228.565 | 2.515 | 0.086 | 213.74 | 2.519 | 0.086 | 19.075 | 0.04 | 0.086 | 10.477 | 0.045 |
| 39 | 8575 | 8576 | SN | 1 | -34.01 | 21.347 | 0.0 | -34.931 | 21.234 | 0.0 | -5.297 | 23.714 | 0.524 | -2.866 | 23.396 | 0.19 | 0.086 | 186.544 | 5.684 | 0.086 | 230.55 | 5.654 | 0.086 | 0.32 | 0.0 | 0.086 | 0.215 | 0.0 |
| 40 | 8576 | 8577 | NS | 1 | -33.727 | 21.021 | 0.0 | -34.996 | 18.371 | 0.0 | 0.899 | 22.78 | 0.103 | 1.427 | 24.913 | 2.226 | 0.086 | 174.776 | 1.397 | 0.086 | 234.012 | 1.648 | 0.086 | 0.136 | 0.0 | 0.086 | 0.13 | 0.0 |
| 41 | 8581 | 8582 | SN | 1 | -34.987 | 20.792 | 0.0 | -34.809 | 19.872 | 0.0 | -31.07 | 23.286 | 0.085 | -33.83 | 23.793 | 0.138 | 0.086 | 233.546 | 4.045 | 0.086 | 224.186 | 3.486 | 0.086 | 94.816 | 0.033 | 0.086 | 178.93 | 0.034 |
| 42 | 8581 | 8582 | SN | 1 | -34.77 | 20.792 | 0.0 | -34.809 | 19.872 | 0.0 | -30.098 | 23.286 | 0.085 | -33.679 | 23.793 | 0.138 | 0.086 | 222.157 | 4.044 | 0.086 | 224.186 | 3.483 | 0.086 | 75.806 | 0.033 | 0.086 | 172.837 | 0.034 |
| 43 | 8581 | 8582 | NS | 1 | -34.815 | 21.504 | 0.0 | -34.784 | 21.606 | 0.0 | -2.608 | 23.792 | 0.146 | -3.004 | 24.163 | 0.494 | 0.086 | 224.5 | 2.448 | 0.086 | 222.929 | 2.759 | 0.086 | 0.207 | 0.0 | 0.086 | 0.219 | 0.0 |
| 44 | 8582 | 8583 | SN | 1 | -34.883 | 19.454 | 0.0 | -34.3 | 19.847 | 0.0 | 0.873 | 23.205 | 0.091 | 0.718 | 23.731 | 0.159 | 0.086 | 228.066 | 4.233 | 0.086 | 199.405 | 3.863 | 0.086 | 0.137 | 0.0 | 0.086 | 0.139 | 0.0 |
| 45 | 8582 | 8583 | NS | 1 | -34.843 | 21.238 | 0.0 | -34.465 | 22.6 | 0.001 | -7.168 | 23.091 | 0.076 | -7.526 | 23.513 | 0.254 | 0.086 | 225.935 | 5.439 | 0.086 | 207.119 | 5.753 | 0.086 | 0.453 | 0.0 | 0.086 | 0.486 | 0.0 |
| 46 | 8582 | 8583 | SN | 1 | -34.883 | 19.454 | 0.0 | -34.928 | 19.847 | 0.0 | 0.871 | 23.205 | 0.091 | 0.718 | 23.731 | 0.159 | 0.086 | 228.066 | 4.238 | 0.086 | 230.417 | 3.857 | 0.086 | 0.137 | 0.0 | 0.086 | 0.139 | 0.0 |
| 47 | 8582 | 8583 | SN | 1 | -34.883 | 19.454 | 0.0 | -34.928 | 19.847 | 0.0 | 0.871 | 23.205 | 0.091 | 0.718 | 23.731 | 0.159 | 0.086 | 228.066 | 4.152 | 0.086 | 230.417 | 3.797 | 0.086 | 0.137 | 0.0 | 0.086 | 0.139 | 0.0 |
| 48 | 8583 | 8584 | SN | 1 | -34.645 | 18.051 | 0.0 | -34.755 | 18.221 | 0.0 | 2.005 | 23.326 | 0.171 | 1.219 | 23.32 | 0.325 | 0.086 | 215.862 | 1.599 | 0.086 | 221.385 | 1.563 | 0.086 | 0.124 | 0.0 | 0.086 | 0.133 | 0.0 |
| 49 | 8583 | 8584 | NS | 1 | -34.636 | 16.459 | 0.0 | -34.9 | 15.775 | 0.0 | -26.156 | 22.699 | 0.017 | -26.84 | 23.566 | 0.174 | 0.087 | 215.443 | 3.84 | 0.087 | 228.911 | 3.687 | 0.086 | 30.628 | 0.002 | 0.086 | 35.84 | 0.018 |
| 50 | 8583 | 8584 | SN | 1 | -34.272 | 18.052 | 0.0 | -33.882 | 18.221 | 0.0 | 2.005 | 23.326 | 0.171 | 1.222 | 23.32 | 0.325 | 0.086 | 203.165 | 1.626 | 0.086 | 181.125 | 1.578 | 0.086 | 0.124 | 0.0 | 0.086 | 0.133 | 0.0 |
| 51 | 8583 | 8584 | SN | 1 | -34.272 | 18.052 | 0.0 | -33.882 | 18.221 | 0.0 | 2.005 | 23.326 | 0.171 | 1.222 | 23.32 | 0.325 | 0.086 | 203.165 | 1.598 | 0.086 | 181.125 | 1.56 | 0.086 | 0.124 | 0.0 | 0.086 | 0.133 | 0.0 |
| 52 | 8584 | 8585 | SN | 1 | -33.529 | 17.497 | 0.0 | -34.622 | 18.707 | 0.0 | 0.172 | 23.297 | 0.553 | 0.61 | 23.228 | 1.047 | 0.087 | 166.98 | 2.405 | 0.086 | 214.75 | 1.763 | 0.086 | 0.146 | 0.0 | 0.086 | 0.14 | 0.0 |
| 53 | 8584 | 8585 | NS | 1 | -34.951 | 18.877 | 0.0 | -34.58 | 19.568 | 0.0 | -12.21 | 22.673 | 0.042 | -24.475 | 23.55 | 0.137 | 0.086 | 231.686 | 4.601 | 0.086 | 212.683 | 4.615 | 0.086 | 1.297 | 0.004 | 0.086 | 20.816 | 0.047 |
| 54 | 8584 | 8585 | NS | 2 | -34.951 | 18.877 | 0.0 | -34.58 | 19.568 | 0.0 | -12.21 | 22.673 | 0.042 | -24.475 | 23.55 | 0.137 | 0.086 | 231.686 | 4.601 | 0.086 | 212.683 | 4.615 | 0.086 | 1.297 | 0.004 | 0.086 | 20.816 | 0.047 |
| 55 | 8584 | 8585 | SN | 1 | -34.926 | 17.497 | 0.0 | -34.622 | 18.707 | 0.0 | 0.172 | 23.297 | 0.553 | 0.605 | 23.228 | 1.085 | 0.087 | 238.283 | 2.461 | 0.086 | 214.75 | 1.791 | 0.086 | 0.146 | 0.0 | 0.086 | 0.14 | 0.0 |
| 56 | 8584 | 8585 | SN | 1 | -34.468 | 17.497 | 0.0 | -34.979 | 18.707 | 0.0 | 0.172 | 23.297 | 0.553 | 0.61 | 23.228 | 1.047 | 0.087 | 207.292 | 2.408 | 0.086 | 233.102 | 1.763 | 0.086 | 0.146 | 0.0 | 0.086 | 0.14 | 0.0 |
| 57 | 8585 | 8586 | SN | 1 | -34.781 | 18.092 | 0.0 | -34.693 | 18.659 | 0.0 | -0.122 | 22.786 | 0.145 | -0.102 | 23.365 | 0.84 | 0.086 | 222.781 | 2.314 | 0.086 | 218.236 | 2.294 | 0.086 | 0.151 | 0.0 | 0.086 | 0.151 | 0.0 |
| 58 | 8585 | 8586 | NS | 1 | -34.637 | 15.234 | 0.0 | -34.803 | 15.124 | 0.0 | -22.173 | 23.164 | 0.044 | -16.843 | 23.052 | 0.118 | 0.087 | 215.464 | 2.385 | 0.087 | 223.825 | 2.598 | 0.086 | 12.278 | 0.021 | 0.086 | 3.645 | 0.008 |
| 59 | 8585 | 8586 | SN | 2 | -34.781 | 18.092 | 0.0 | -34.693 | 18.659 | 0.0 | -0.122 | 22.786 | 0.138 | -0.102 | 23.365 | 0.793 | 0.086 | 222.781 | 2.253 | 0.086 | 218.236 | 2.229 | 0.086 | 0.151 | 0.0 | 0.086 | 0.151 | 0.0 |
| 60 | 8585 | 8586 | NS | 1 | -34.94 | 15.234 | 0.0 | -34.803 | 15.124 | 0.0 | -22.148 | 23.164 | 0.044 | -16.839 | 23.052 | 0.118 | 0.087 | 231.062 | 2.381 | 0.087 | 223.825 | 2.63 | 0.086 | 12.21 | 0.021 | 0.086 | 3.641 | 0.008 |
| 61 | 8585 | 8586 | SN | 1 | -34.781 | 18.092 | 0.0 | -34.693 | 18.659 | 0.0 | -0.122 | 22.786 | 0.138 | -0.102 | 23.365 | 0.793 | 0.086 | 222.781 | 2.253 | 0.086 | 218.236 | 2.229 | 0.086 | 0.151 | 0.0 | 0.086 | 0.151 | 0.0 |
| 62 | 8586 | 8587 | NS | 1 | -34.167 | 18.637 | 0.0 | -33.953 | 19.448 | 0.0 | -27.886 | 23.173 | 0.116 | -22.484 | 23.986 | 0.394 | 0.086 | 193.358 | 1.819 | 0.086 | 184.107 | 1.799 | 0.086 | 45.588 | 0.133 | 0.086 | 13.183 | 0.125 |
| 63 | 8586 | 8587 | SN | 1 | -34.659 | 16.644 | 0.0 | -34.784 | 17.177 | 0.0 | 0.941 | 22.573 | 0.083 | 4.553 | 22.5 | 0.031 | 0.087 | 216.592 | 1.978 | 0.087 | 222.925 | 1.767 | 0.086 | 0.136 | 0.0 | 0.086 | 0.106 | 0.0 |
| 64 | 8586 | 8587 | NS | 1 | -34.167 | 18.637 | 0.0 | -33.953 | 19.448 | 0.0 | -27.886 | 23.174 | 0.118 | -22.484 | 23.986 | 0.394 | 0.086 | 193.358 | 1.822 | 0.086 | 184.107 | 1.8 | 0.086 | 45.588 | 0.133 | 0.086 | 13.183 | 0.125 |
| 65 | 8586 | 8587 | SN | 2 | -34.659 | 16.644 | 0.0 | -34.784 | 17.177 | 0.0 | 0.941 | 22.573 | 0.083 | 4.553 | 22.5 | 0.031 | 0.087 | 216.592 | 1.978 | 0.087 | 222.925 | 1.767 | 0.086 | 0.136 | 0.0 | 0.086 | 0.106 | 0.0 |
| 66 | 8586 | 8587 | SN | 1 | -34.659 | 16.644 | 0.0 | -34.784 | 17.198 | 0.0 | 0.941 | 22.573 | 0.091 | 4.553 | 22.5 | 0.031 | 0.087 | 216.592 | 2.04 | 0.087 | 222.925 | 1.634 | 0.086 | 0.136 | 0.0 | 0.086 | 0.106 | 0.0 |
| 67 | 8587 | 8588 | NS | 1 | -33.93 | 19.492 | 0.0 | -34.768 | 20.354 | 0.0 | 1.297 | 22.919 | 0.264 | 2.38 | 23.94 | 1.134 | 0.086 | 183.107 | 1.757 | 0.086 | 222.149 | 1.602 | 0.086 | 0.132 | 0.0 | 0.086 | 0.121 | 0.0 |
| 68 | 8587 | 8588 | SN | 1 | -34.922 | 18.102 | 0.0 | -34.515 | 18.188 | 0.0 | -4.734 | 23.733 | 0.625 | -4.672 | 23.97 | 1.204 | 0.086 | 230.106 | 4.112 | 0.086 | 209.521 | 4.291 | 0.086 | 0.29 | 0.0 | 0.086 | 0.287 | 0.0 |
| 69 | 8587 | 8588 | SN | 1 | -34.922 | 18.102 | 0.0 | -34.515 | 18.188 | 0.0 | -4.734 | 23.733 | 0.626 | -4.703 | 23.97 | 1.208 | 0.086 | 230.106 | 4.109 | 0.086 | 209.521 | 4.284 | 0.086 | 0.29 | 0.0 | 0.086 | 0.288 | 0.0 |

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

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|----|---|---------|--------|-------|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|
| 70 | 8587 | 8588 | SN | 1 | -34.922 | 18.102 | 0.0 | -34.515 | 18.188 | 0.0 | -4.734 | 23.733 | 0.671 | -4.8 | 23.97 | 1.212 | 0.086 | 230.106 | 4.265 | 0.086 | 209.521 | 4.039 | 0.086 | 0.29 | 0.0 | 0.086 | 0.293 | 0.0 |
| 71 | 8587 | 8588 | NS | 2 | -33.93 | 19.492 | 0.0 | -34.768 | 20.354 | 0.0 | 1.297 | 22.919 | 0.263 | 2.38 | 23.94 | 1.129 | 0.086 | 183.107 | 1.757 | 0.086 | 222.149 | 1.602 | 0.086 | 0.132 | 0.0 | 0.086 | 0.121 | 0.0 |
| 72 | 8588 | 8589 | NS | 1 | -34.139 | 18.761 | 0.0 | -34.807 | 18.928 | 0.0 | 0.918 | 23.682 | 0.236 | 2.489 | 23.884 | 1.196 | 0.086 | 192.179 | 2.386 | 0.086 | 224.117 | 2.086 | 0.086 | 0.136 | 0.0 | 0.086 | 0.12 | 0.0 |
| 73 | 8588 | 8589 | NS | 2 | -34.609 | 18.761 | 0.0 | -34.984 | 18.928 | 0.0 | 0.918 | 23.682 | 0.236 | 2.489 | 23.884 | 1.196 | 0.086 | 214.093 | 2.381 | 0.086 | 239.364 | 2.086 | 0.086 | 0.136 | 0.0 | 0.086 | 0.12 | 0.0 |
| 74 | 8588 | 8589 | SN | 1 | -34.696 | 20.399 | 0.0 | -34.996 | 20.58 | 0.0 | -7.47 | 23.977 | 0.478 | -8.298 | 24.155 | 1.065 | 0.086 | 218.393 | 4.351 | 0.086 | 234.044 | 3.967 | 0.086 | 0.481 | 0.0 | 0.086 | 0.567 | 0.0 |
| 75 | 8588 | 8589 | SN | 1 | -33.959 | 20.399 | 0.0 | -34.996 | 20.58 | 0.0 | -7.472 | 23.977 | 0.51 | -8.298 | 24.155 | 1.033 | 0.086 | 184.358 | 3.85 | 0.086 | 234.044 | 3.521 | 0.086 | 0.481 | 0.0 | 0.086 | 0.567 | 0.0 |
| 76 | 8588 | 8589 | SN | 1 | -34.676 | 20.399 | 0.0 | -34.996 | 20.58 | 0.0 | -7.472 | 23.977 | 0.479 | -8.298 | 24.155 | 1.069 | 0.086 | 217.399 | 4.338 | 0.086 | 234.044 | 3.969 | 0.086 | 0.481 | 0.0 | 0.086 | 0.567 | 0.0 |
| 77 | 8589 | 8590 | SN | 1 | -34.977 | 20.241 | 0.0 | -34.934 | 20.252 | 0.0 | -26.668 | 23.276 | 0.416 | -3.977 | 23.883 | 0.451 | 0.086 | 233.088 | 5.837 | 0.086 | 230.774 | 5.715 | 0.086 | 34.452 | 0.037 | 0.086 | 0.255 | 0.0 |
| 78 | 8589 | 8590 | NS | 1 | -34.357 | 21.363 | 0.0 | -34.438 | 20.996 | 0.0 | -28.087 | 22.792 | 0.112 | -25.095 | 24.56 | 2.448 | 0.086 | 202.038 | 3.53 | 0.086 | 205.804 | 3.514 | 0.086 | 47.733 | 0.035 | 0.086 | 23.999 | 0.02 |
| 79 | 8590 | 8591 | NS | 1 | -34.916 | 22.89 | 0.001 | -34.917 | 19.378 | 0.0 | -34.707 | 22.486 | 0.034 | -34.985 | 24.76 | 2.219 | 0.086 | 229.786 | 2.062 | 0.086 | 229.844 | 2.103 | 0.086 | 218.998 | 0.216 | 0.086 | 239.423 | 0.188 |
| 80 | 8590 | 8591 | NS | 1 | -34.916 | 22.89 | 0.001 | -34.917 | 19.378 | 0.0 | -34.707 | 22.486 | 0.034 | -34.985 | 24.76 | 2.214 | 0.086 | 229.786 | 2.063 | 0.086 | 229.844 | 2.103 | 0.086 | 218.998 | 0.216 | 0.086 | 239.423 | 0.188 |

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