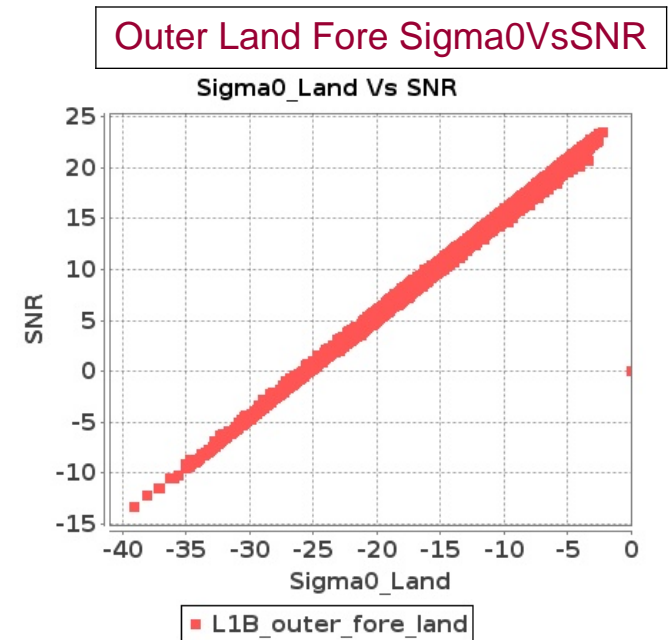
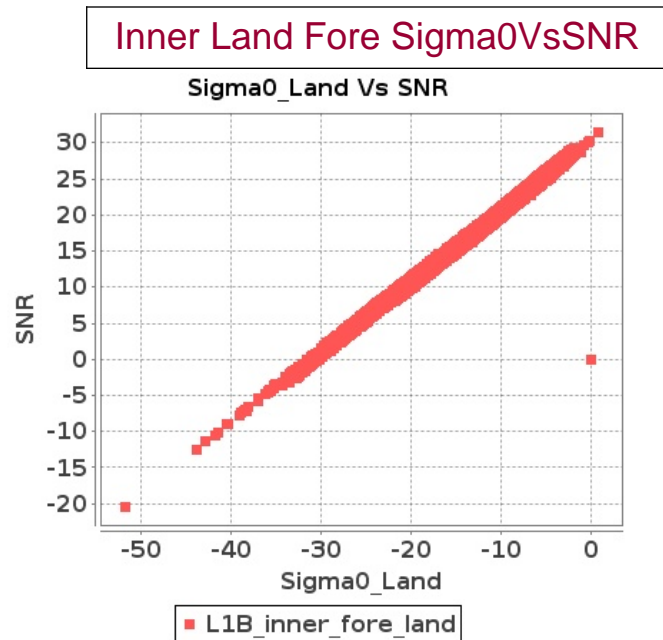
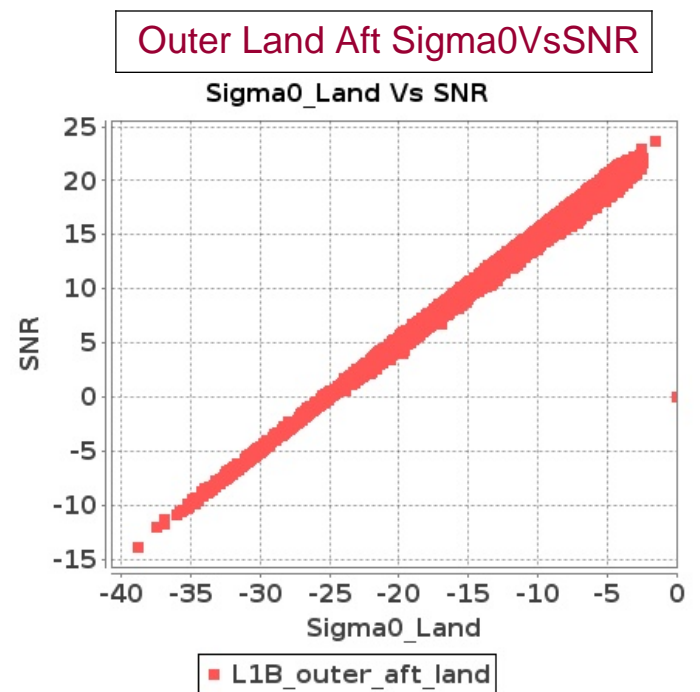
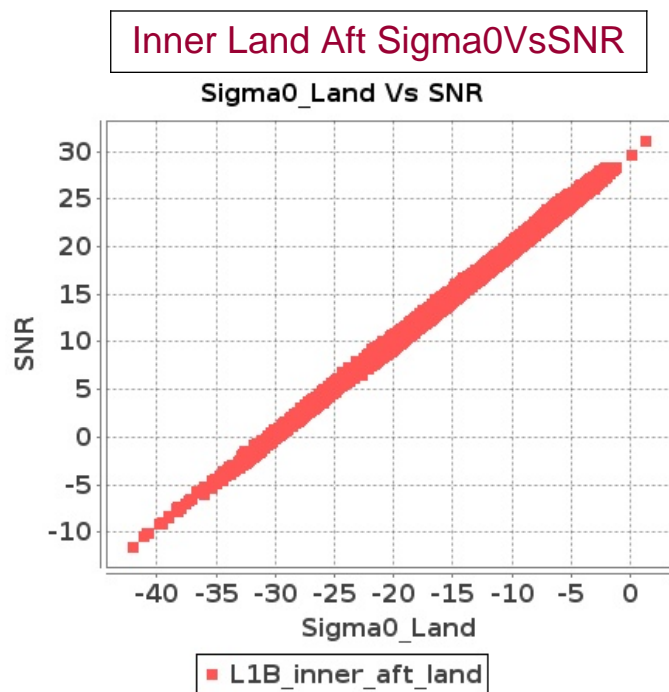
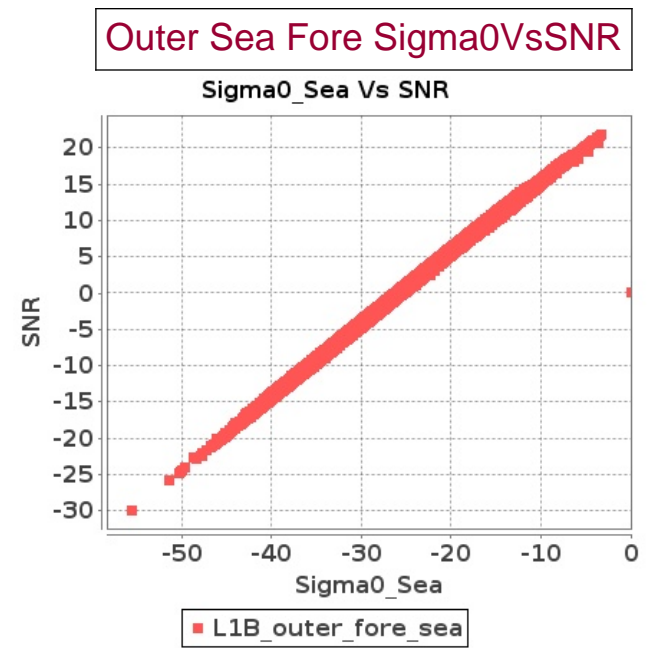
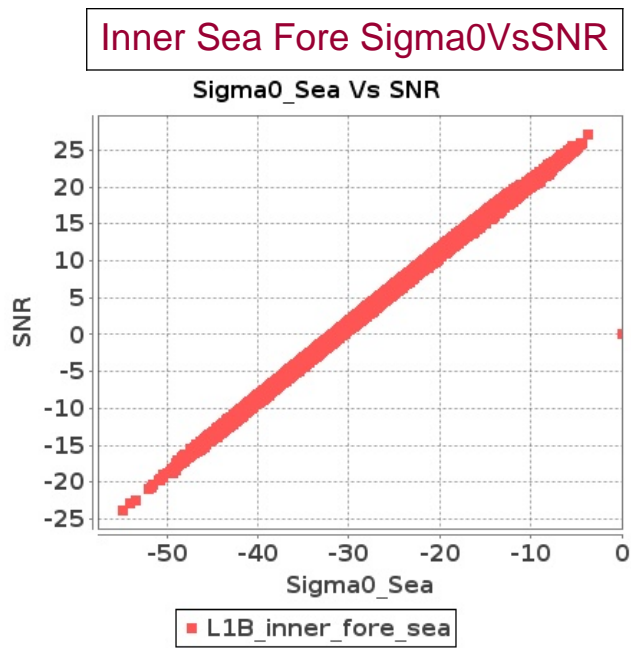
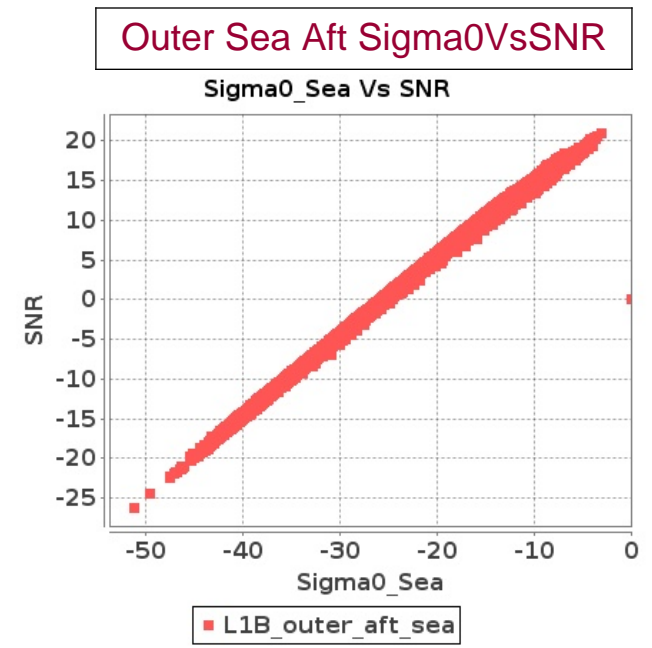
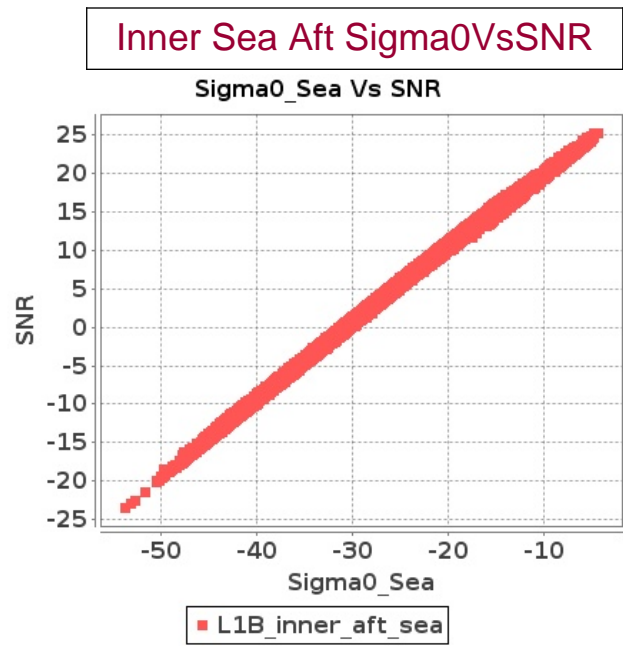
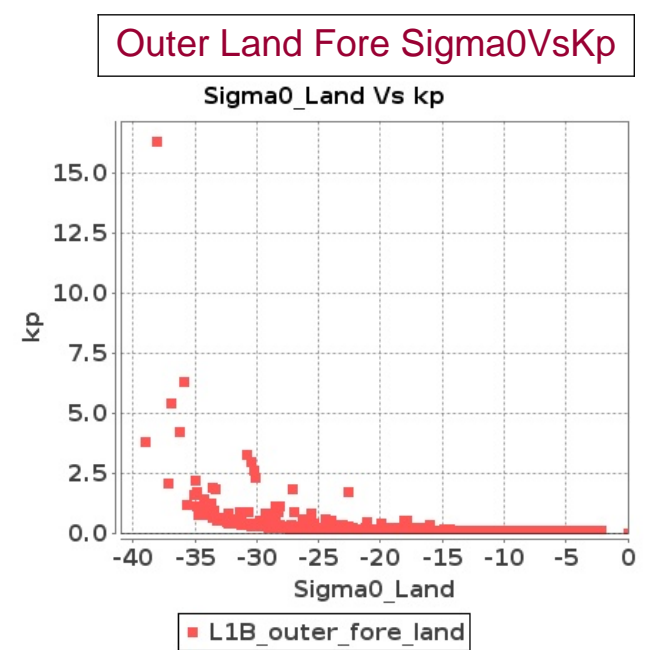
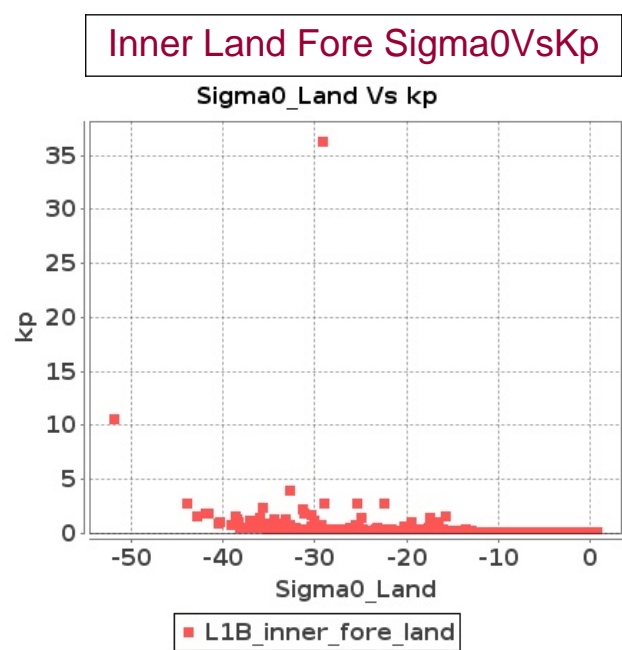
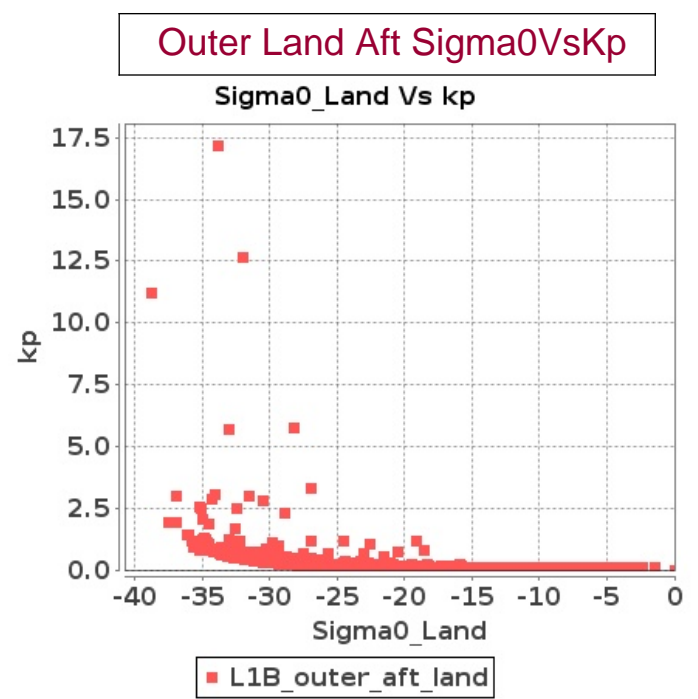
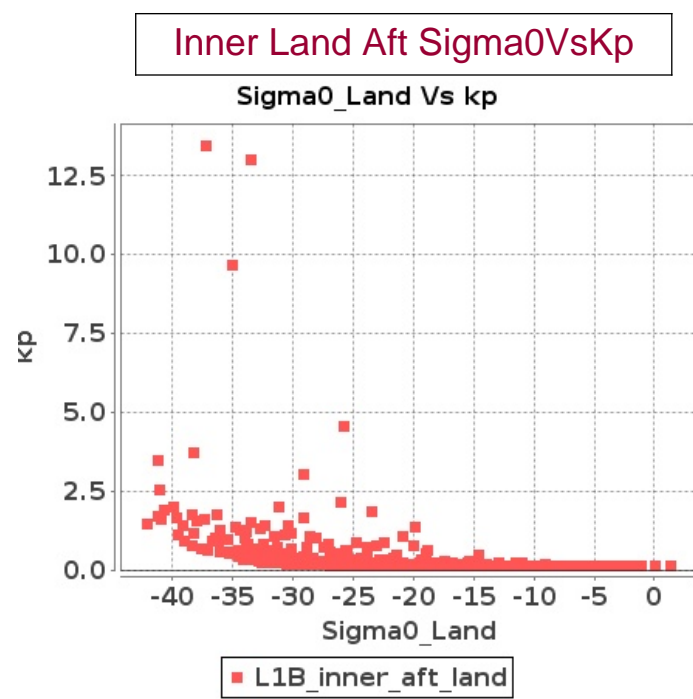
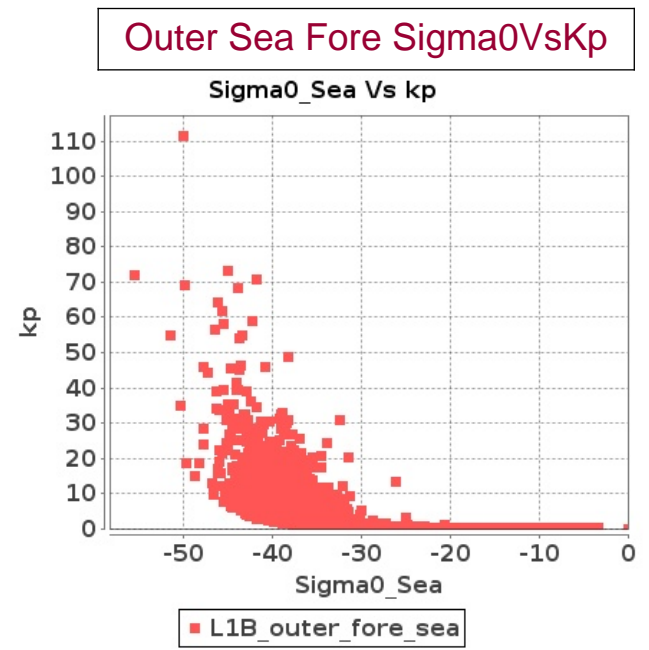
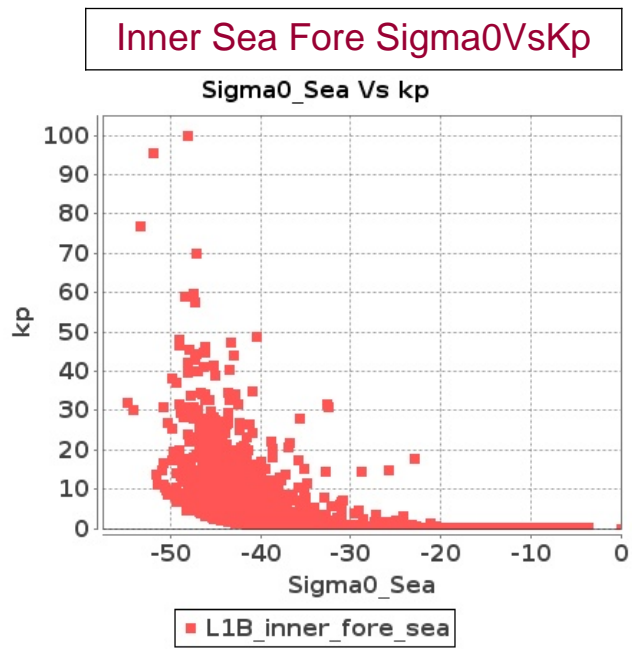
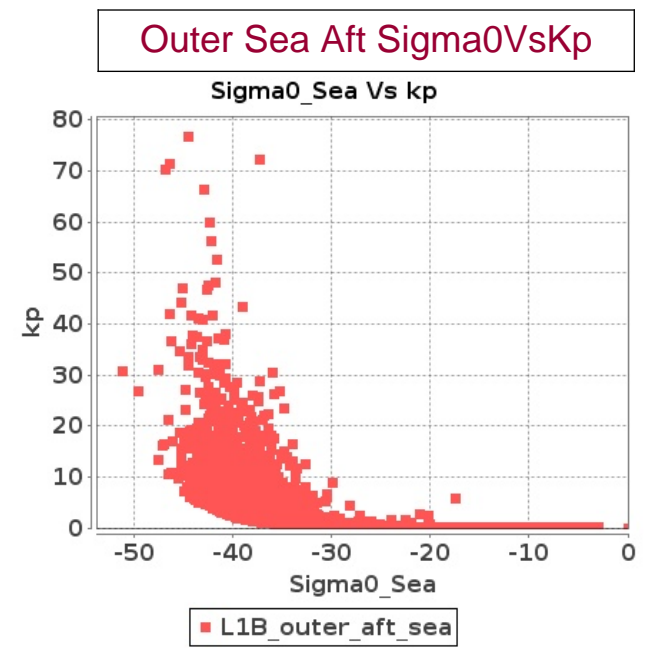
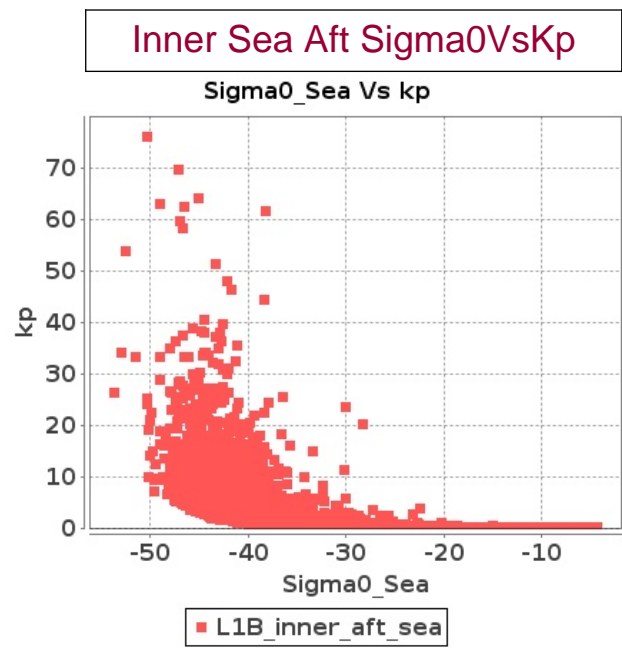


SCATSAT-1 Scatterometer Level-1B Data Quality Cycle wise Report

Report between 30-JAN-2019 To 31-JAN-2019





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

Report between 30-JAN-2019 To 31-JAN-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 | 12409 | 12410 | SN | 1 | 48.76 | 49.585 | 0.0 | 0.003 | 6.855 | 2.483 | 1034.24 | 1099.464 | 10.607 | -91.936 | -89.906 | 0.0 |
| 2 | 12409 | 12410 | SN | 1 | 48.76 | 49.585 | 0.0 | 0.003 | 6.855 | 2.709 | 1034.24 | 1099.464 | 10.392 | -91.936 | -89.898 | 0.0 |
| 3 | 12409 | 12410 | SN | 1 | 48.76 | 49.585 | 0.0 | 0.003 | 6.855 | 2.707 | 1034.24 | 1099.464 | 10.383 | -91.936 | -89.897 | 0.0 |
| 4 | 12409 | 12410 | NS | 1 | 48.572 | 49.411 | 0.0 | 0.0 | 206.917 | 2.841 | 1018.968 | 1097.952 | 14.523 | -91.896 | -89.726 | 0.0 |
| 5 | 12410 | 12411 | NS | 2 | 48.63 | 49.432 | 0.0 | 0.003 | 17.472 | 2.581 | 1020.12 | 1098.128 | 16.058 | -91.906 | -89.691 | 0.0 |
| 6 | 12410 | 12411 | SN | 1 | 48.733 | 49.528 | 0.0 | 0.0 | 125.389 | 2.658 | 1033.8 | 1099.624 | 9.954 | -91.806 | -89.9 | 0.0 |
| 7 | 12410 | 12411 | SN | 1 | 48.733 | 49.528 | 0.0 | 0.0 | 125.389 | 2.771 | 1033.8 | 1099.624 | 9.849 | -91.806 | -89.896 | 0.0 |
| 8 | 12410 | 12411 | SN | 1 | 48.733 | 49.528 | 0.0 | 0.0 | 125.389 | 2.669 | 1033.8 | 1099.624 | 9.944 | -91.806 | -89.899 | 0.0 |
| 9 | 12410 | 12411 | NS | 1 | 48.63 | 49.432 | 0.0 | 0.003 | 267.18 | 2.583 | 1020.128 | 1098.112 | 16.014 | -91.906 | -89.691 | 0.0 |
| 10 | 12411 | 12412 | SN | 1 | 48.717 | 49.561 | 0.0 | 0.0 | 91.124 | 2.533 | 1033.216 | 1099.68 | 9.141 | -91.99 | -89.897 | 0.0 |
| 11 | 12411 | 12412 | SN | 1 | 48.712 | 49.578 | 0.0 | 0.0 | 91.124 | 2.45 | 1033.2 | 1099.68 | 9.138 | -91.979 | -89.899 | 0.0 |
| 12 | 12411 | 12412 | SN | 1 | 48.712 | 49.578 | 0.0 | 0.0 | 91.124 | 2.524 | 1033.2 | 1099.68 | 9.086 | -91.979 | -89.896 | 0.0 |
| 13 | 12411 | 12412 | NS | 1 | 48.63 | 49.423 | 0.0 | 0.003 | 267.108 | 2.683 | 1020.264 | 1098.232 | 16.08 | -92.024 | -89.687 | 0.0 |
| 14 | 12412 | 12413 | SN | 1 | 48.738 | 49.578 | 0.0 | 0.003 | 280.752 | 2.242 | 1033.336 | 1099.584 | 9.037 | -91.879 | -89.902 | 0.0 |
| 15 | 12412 | 12413 | NS | 1 | 48.602 | 49.432 | 0.0 | 0.0 | 206.746 | 2.751 | 1020.4 | 1098.136 | 15.167 | -94.594 | -89.719 | 0.0 |
| 16 | 12412 | 12413 | NS | 1 | 48.601 | 49.43 | 0.0 | 0.0 | 209.713 | 2.756 | 1020.392 | 1098.152 | 15.137 | -94.594 | -89.719 | 0.0 |
| 17 | 12412 | 12413 | SN | 1 | 48.738 | 49.578 | 0.0 | 0.003 | 280.752 | 2.527 | 1033.336 | 1099.584 | 8.869 | -91.879 | -89.893 | 0.0 |
| 18 | 12412 | 12413 | SN | 1 | 48.738 | 49.578 | 0.0 | 0.003 | 280.752 | 2.527 | 1033.336 | 1099.584 | 8.869 | -91.879 | -89.893 | 0.0 |
| 19 | 12413 | 12414 | SN | 3 | 48.72 | 49.568 | 0.0 | 0.0 | 225.569 | 2.865 | 1033.28 | 1099.52 | 9.126 | -91.988 | -89.896 | 0.0 |
| 20 | 12413 | 12414 | NS | 1 | 48.632 | 49.441 | 0.0 | 0.0 | 152.931 | 2.857 | 1020.456 | 1098.104 | 14.637 | -91.961 | -89.737 | 0.0 |
| 21 | 12413 | 12414 | NS | 1 | 48.631 | 49.44 | 0.0 | 0.0 | 267.158 | 2.861 | 1020.44 | 1098.128 | 14.621 | -91.962 | -89.737 | 0.0 |
| 22 | 12413 | 12414 | SN | 1 | 48.72 | 49.568 | 0.0 | 0.0 | 225.569 | 2.865 | 1033.28 | 1099.52 | 9.126 | -91.988 | -89.896 | 0.0 |
| 23 | 12413 | 12414 | SN | 2 | 48.72 | 49.568 | 0.0 | 0.0 | 225.569 | 2.864 | 1033.28 | 1099.52 | 9.126 | -91.988 | -89.896 | 0.0 |
| 24 | 12414 | 12415 | SN | 1 | 48.689 | 49.572 | 0.0 | 0.003 | 278.8 | 2.628 | 1032.464 | 1099.416 | 9.133 | -91.936 | -89.895 | 0.0 |
| 25 | 12414 | 12415 | NS | 2 | 48.631 | 49.414 | 0.0 | 0.003 | 210.53 | 2.58 | 1020.456 | 1098.032 | 15.306 | -91.899 | -89.739 | 0.0 |
| 26 | 12414 | 12415 | SN | 1 | 48.755 | 49.572 | 0.0 | 0.003 | 278.8 | 1.929 | 1033.608 | 1099.416 | 9.571 | -92.025 | -89.909 | 0.0 |
| 27 | 12414 | 12415 | NS | 1 | 48.632 | 49.416 | 0.0 | 0.003 | 264.918 | 2.58 | 1020.488 | 1098.0 | 15.26 | -91.898 | -89.739 | 0.0 |
| 28 | 12414 | 12415 | SN | 1 | 48.755 | 49.572 | 0.0 | 0.003 | 278.8 | 2.63 | 1033.608 | 1099.416 | 9.142 | -92.025 | -89.895 | 0.0 |
| 29 | 12415 | 12416 | NS | 1 | 48.594 | 49.42 | 0.0 | 0.0 | 233.941 | 2.876 | 1020.176 | 1098.104 | 15.336 | -92.052 | -89.743 | 0.0 |
| 30 | 12415 | 12416 | SN | 1 | 48.755 | 49.534 | 0.0 | 0.0 | 213.618 | 2.681 | 1033.648 | 1099.504 | 9.296 | -91.998 | -89.897 | 0.0 |
| 31 | 12415 | 12416 | SN | 1 | 48.755 | 49.534 | 0.0 | 0.0 | 213.618 | 2.679 | 1033.648 | 1099.504 | 9.285 | -91.998 | -89.897 | 0.0 |
| 32 | 12415 | 12416 | SN | 1 | 48.755 | 49.534 | 0.0 | 0.0 | 213.618 | 2.158 | 1033.648 | 1099.504 | 9.597 | -91.998 | -89.912 | 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 | 12415 | 12416 | NS | 2 | 48.596 | 49.422 | 0.0 | 0.0 | 233.941 | 2.875 | 1020.352 | 1098.064 | 15.274 | -92.052 | -89.744 | 0.0 |
| 34 | 12416 | 12417 | SN | 1 | 48.757 | 49.565 | 0.0 | 0.003 | 215.146 | 1.552 | 1033.752 | 1099.68 | 10.51 | -92.682 | -89.89 | 0.0 |
| 35 | 12416 | 12417 | SN | 1 | 48.756 | 49.563 | 0.0 | 0.003 | 215.388 | 2.597 | 1033.736 | 1099.64 | 9.789 | -92.682 | -89.887 | 0.0 |
| 36 | 12416 | 12417 | SN | 2 | 48.757 | 49.565 | 0.0 | 0.003 | 215.146 | 2.596 | 1033.752 | 1099.68 | 9.782 | -92.682 | -89.887 | 0.0 |
| 37 | 12416 | 12417 | NS | 1 | 48.591 | 49.41 | 0.0 | 0.003 | 267.329 | 2.676 | 1020.272 | 1098.168 | 15.936 | -91.923 | -89.751 | 0.0 |
| 38 | 12416 | 12417 | NS | 1 | 48.59 | 49.409 | 0.0 | 0.003 | 207.055 | 2.668 | 1020.04 | 1098.208 | 15.883 | -91.923 | -89.751 | 0.0 |
| 39 | 12417 | 12418 | NS | 1 | 48.62 | 49.411 | 0.0 | 0.003 | 210.43 | 2.694 | 1020.408 | 1098.24 | 14.766 | -91.938 | -89.752 | 0.0 |
| 40 | 12417 | 12418 | NS | 1 | 48.62 | 49.411 | 0.0 | 0.003 | 210.43 | 2.704 | 1020.408 | 1098.24 | 14.855 | -91.938 | -89.752 | 0.0 |
| 41 | 12417 | 12418 | SN | 1 | 48.759 | 49.554 | 0.0 | 0.0 | 53.666 | 2.67 | 1033.824 | 1099.656 | 10.198 | -92.357 | -89.867 | 0.0 |
| 42 | 12418 | 12419 | SN | 1 | 48.758 | 49.572 | 0.0 | 0.003 | 6.215 | 2.481 | 1033.704 | 1099.56 | 9.454 | -91.862 | -89.88 | 0.0 |
| 43 | 12418 | 12419 | NS | 1 | 48.633 | 49.428 | 0.0 | 0.0 | 267.246 | 2.757 | 1020.6 | 1098.224 | 15.701 | -91.966 | -89.725 | 0.0 |
| 44 | 12418 | 12419 | NS | 1 | 48.633 | 49.433 | 0.0 | 0.0 | 267.246 | 2.76 | 1020.6 | 1098.88 | 15.716 | -91.99 | -89.725 | 0.0 |
| 45 | 12419 | 12420 | NS | 1 | 48.579 | 49.42 | 0.0 | 0.0 | 27.421 | 2.537 | 1019.912 | 1098.072 | 14.095 | -92.003 | -89.742 | 0.0 |
| 46 | 12419 | 12420 | NS | 1 | 48.579 | 49.432 | 0.0 | 0.0 | 27.421 | 2.55 | 1019.912 | 1097.64 | 14.083 | -91.993 | -89.742 | 0.0 |
| 47 | 12420 | 12421 | SN | 1 | 48.744 | 49.531 | 0.0 | 0.003 | 6.861 | 2.573 | 1033.336 | 1099.704 | 10.472 | -91.944 | -89.886 | 0.0 |
| 48 | 12421 | 12422 | NS | 1 | 48.625 | 49.43 | 0.0 | 0.003 | 264.522 | 2.69 | 1020.304 | 1098.408 | 17.229 | -91.909 | -89.75 | 0.0 |
| 49 | 12421 | 12422 | SN | 1 | 48.7 | 49.648 | 0.0 | 0.0 | 72.914 | 2.706 | 1032.4 | 1101.856 | 10.149 | -94.286 | -89.886 | 0.0 |
| 50 | 12422 | 12423 | SN | 1 | 48.724 | 49.558 | 0.0 | 0.0 | 217.092 | 2.849 | 1032.76 | 1099.896 | 10.924 | -91.855 | -89.889 | 0.0 |
| 51 | 12422 | 12423 | NS | 1 | 48.628 | 49.419 | 0.0 | 0.003 | 264.88 | 2.52 | 1020.248 | 1098.456 | 17.508 | -91.92 | -89.75 | 0.0 |
| 52 | 12422 | 12423 | SN | 1 | 48.724 | 49.558 | 0.0 | 0.0 | 217.092 | 1.752 | 1032.76 | 1099.896 | 11.52 | -91.855 | -89.904 | 0.0 |
| 53 | 12422 | 12423 | NS | 1 | 48.628 | 49.418 | 0.0 | 0.003 | 264.88 | 1.417 | 1020.248 | 1090.6 | 14.377 | -91.871 | -89.75 | 0.0 |
| 54 | 12423 | 12424 | SN | 1 | 48.755 | 49.588 | 0.0 | 0.0 | 281.75 | 2.79 | 1033.304 | 1099.856 | 10.947 | -91.964 | -89.894 | 0.0 |
| 55 | 12423 | 12424 | NS | 1 | 48.631 | 49.442 | 0.0 | 0.003 | 267.257 | 2.703 | 1019.976 | 1098.432 | 15.961 | -91.884 | -89.732 | 0.0 |
| 56 | 12423 | 12424 | SN | 1 | 48.755 | 49.588 | 0.0 | 0.003 | 281.75 | 2.076 | 1033.304 | 1099.856 | 11.38 | -91.964 | -89.908 | 0.0 |
| 57 | 12424 | 12425 | SN | 1 | 48.754 | 49.581 | 0.0 | 0.003 | 281.844 | 2.468 | 1033.16 | 1099.816 | 8.912 | -91.953 | -89.892 | 0.0 |
| 58 | 12424 | 12425 | SN | 2 | 48.754 | 49.581 | 0.0 | 0.003 | 281.844 | 2.468 | 1033.16 | 1099.816 | 8.912 | -91.953 | -89.892 | 0.0 |
| 59 | 12424 | 12425 | SN | 3 | 48.754 | 49.581 | 0.0 | 0.003 | 281.844 | 2.468 | 1033.16 | 1099.816 | 8.912 | -91.953 | -89.892 | 0.0 |
| 60 | 12424 | 12425 | NS | 1 | 48.631 | 49.431 | 0.0 | 0.0 | 151.993 | 2.851 | 1020.56 | 1098.44 | 14.995 | -91.91 | -89.737 | 0.0 |
| 61 | 12424 | 12425 | NS | 1 | 48.631 | 49.431 | 0.0 | 0.0 | 151.993 | 2.849 | 1020.6 | 1098.44 | 15.016 | -91.859 | -89.737 | 0.0 |
| 62 | 12425 | 12426 | NS | 1 | 48.632 | 49.388 | 0.0 | 0.0 | 206.895 | 2.542 | 1020.648 | 1098.64 | 15.803 | -91.803 | -89.673 | 0.0 |
| 63 | 12425 | 12426 | SN | 1 | 48.69 | 49.586 | 0.0 | 0.003 | 5.107 | 2.19 | 1032.104 | 1099.936 | 7.946 | -91.959 | -89.894 | 0.0 |
| 64 | 12425 | 12426 | SN | 1 | 48.69 | 49.587 | 0.0 | 0.003 | 5.112 | 2.19 | 1032.104 | 1099.952 | 7.96 | -91.959 | -89.894 | 0.0 |
| 65 | 12425 | 12426 | SN | 1 | 48.69 | 49.587 | 0.0 | 0.003 | 5.112 | 2.19 | 1032.104 | 1099.952 | 7.96 | -91.959 | -89.894 | 0.0 |
| 66 | 12426 | 12427 | SN | 1 | 48.712 | 49.588 | 0.0 | 0.003 | 215.648 | 2.484 | 1032.632 | 1099.872 | 9.119 | -91.968 | -89.884 | 0.0 |
| 67 | 12426 | 12427 | SN | 1 | 48.722 | 49.588 | 0.0 | 0.003 | 215.648 | 2.287 | 1032.64 | 1099.872 | 9.257 | -91.968 | -89.898 | 0.0 |
| 68 | 12426 | 12427 | SN | 1 | 48.721 | 49.588 | 0.0 | 0.003 | 215.648 | 2.487 | 1032.688 | 1099.872 | 9.128 | -91.968 | -89.884 | 0.0 |
| 69 | 12426 | 12427 | NS | 1 | 48.625 | 49.427 | 0.0 | 0.003 | 210.618 | 2.701 | 1020.328 | 1098.624 | 15.196 | -91.866 | -89.728 | 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 | 12427 | 12428 | NS | 2 | 48.633 | 49.432 | 0.0 | 0.0 | 264.257 | 2.808 | 1021.032 | 1098.536 | 14.274 | -91.934 | -89.741 | 0.0 |
| 71 | 12427 | 12428 | SN | 1 | 48.75 | 49.579 | 0.0 | 0.003 | 6.64 | 2.473 | 1032.648 | 1099.752 | 9.226 | -91.887 | -89.892 | 0.0 |
| 72 | 12427 | 12428 | SN | 1 | 48.75 | 49.579 | 0.0 | 0.003 | 6.64 | 2.141 | 1032.648 | 1099.752 | 9.444 | -91.887 | -89.896 | 0.0 |
| 73 | 12427 | 12428 | NS | 1 | 48.633 | 49.432 | 0.0 | 0.0 | 264.257 | 2.808 | 1021.032 | 1098.536 | 14.275 | -91.934 | -89.741 | 0.0 |
| 74 | 12427 | 12428 | SN | 1 | 48.75 | 49.579 | 0.0 | 0.003 | 6.634 | 2.468 | 1032.64 | 1099.752 | 9.226 | -91.887 | -89.892 | 0.0 |
| 75 | 12428 | 12429 | SN | 1 | 48.749 | 49.532 | 0.0 | 0.003 | 6.226 | 1.904 | 1032.616 | 1099.704 | 8.881 | -91.933 | -89.899 | 0.0 |
| 76 | 12428 | 12429 | SN | 1 | 48.749 | 49.532 | 0.0 | 0.003 | 274.487 | 2.485 | 1032.616 | 1099.704 | 8.56 | -91.933 | -89.89 | 0.0 |
| 77 | 12428 | 12429 | SN | 1 | 48.749 | 49.532 | 0.0 | 0.003 | 6.226 | 2.485 | 1032.616 | 1099.704 | 8.56 | -91.933 | -89.889 | 0.0 |
| 78 | 12428 | 12429 | NS | 1 | 48.594 | 49.637 | 0.0 | 0.0 | 84.253 | 2.889 | 1020.712 | 1100.216 | 14.857 | -94.799 | -89.746 | 0.0 |
| 79 | 12429 | 12430 | SN | 1 | 48.749 | 49.583 | 0.0 | 0.003 | 281.894 | 2.781 | 1032.656 | 1099.664 | 9.887 | -91.991 | -89.886 | 0.0 |
| 80 | 12429 | 12430 | SN | 1 | 48.749 | 49.583 | 0.0 | 0.003 | 281.894 | 2.409 | 1032.656 | 1099.664 | 10.13 | -91.991 | -89.898 | 0.0 |
| 81 | 12429 | 12430 | NS | 1 | 48.588 | 49.424 | 0.0 | 0.0 | 225.696 | 2.624 | 1020.384 | 1098.36 | 14.23 | -91.838 | -89.753 | 0.0 |
| 82 | 12429 | 12430 | NS | 1 | 48.587 | 49.422 | 0.0 | 0.0 | 225.696 | 2.626 | 1020.368 | 1098.376 | 14.197 | -91.886 | -89.753 | 0.0 |
| 83 | 12429 | 12430 | SN | 2 | 48.749 | 49.583 | 0.0 | 0.003 | 281.894 | 2.781 | 1032.656 | 1099.664 | 9.887 | -91.991 | -89.886 | 0.0 |
| 84 | 12430 | 12431 | SN | 1 | 48.751 | 49.576 | 0.0 | 0.0 | 55.078 | 2.793 | 1032.744 | 1100.568 | 10.505 | -91.953 | -89.887 | 0.0 |
| 85 | 12430 | 12431 | SN | 1 | 48.751 | 49.576 | 0.0 | 0.0 | 55.078 | 1.741 | 1032.744 | 1100.568 | 11.314 | -91.953 | -89.901 | 0.0 |
| 86 | 12430 | 12431 | NS | 1 | 48.584 | 49.445 | 0.0 | 0.003 | 211.55 | 2.569 | 1020.008 | 1098.536 | 15.034 | -91.93 | -89.756 | 0.0 |
| 87 | 12430 | 12431 | NS | 1 | 48.591 | 49.439 | 0.0 | 0.003 | 211.55 | 2.571 | 1019.888 | 1098.536 | 15.022 | -91.944 | -89.756 | 0.0 |
| 88 | 12430 | 12431 | SN | 1 | 48.751 | 49.576 | 0.0 | 0.0 | 55.078 | 2.793 | 1032.744 | 1100.568 | 10.505 | -91.953 | -89.887 | 0.0 |
| 89 | 12431 | 12432 | NS | 1 | 48.595 | 49.447 | 0.0 | 0.0 | 168.831 | 2.911 | 1019.904 | 1098.848 | 15.153 | -91.956 | -89.756 | 0.0 |
| 90 | 12431 | 12432 | SN | 1 | 48.686 | 49.596 | 0.0 | 0.0 | 262.481 | 2.968 | 1032.848 | 1100.128 | 9.872 | -94.182 | -89.862 | 0.0 |
| 91 | 12431 | 12432 | SN | 1 | 48.686 | 49.596 | 0.0 | 0.0 | 262.481 | 2.968 | 1032.848 | 1100.128 | 9.872 | -94.182 | -89.862 | 0.0 |
| 92 | 12432 | 12433 | SN | 1 | 48.753 | 49.601 | 0.0 | 0.0 | 256.111 | 2.772 | 1032.84 | 1099.848 | 9.062 | -92.833 | -89.872 | 0.0 |
| 93 | 12432 | 12433 | NS | 2 | 48.634 | 49.606 | 0.0 | 0.0 | 267.444 | 2.791 | 1021.128 | 1102.816 | 14.879 | -93.426 | -89.745 | 0.0 |
| 94 | 12432 | 12433 | NS | 1 | 48.634 | 49.606 | 0.0 | 0.0 | 267.444 | 2.791 | 1021.128 | 1102.824 | 14.898 | -93.426 | -89.745 | 0.0 |
| 95 | 12433 | 12434 | NS | 1 | 48.603 | 49.43 | 0.0 | 0.0 | 212.344 | 2.627 | 1020.224 | 1098.752 | 14.91 | -91.983 | -89.732 | 0.0 |
| 96 | 12433 | 12434 | SN | 1 | 48.689 | 49.55 | 0.0 | 0.0 | 150.35 | 2.28 | 1031.68 | 1099.84 | 8.6 | -91.89 | -89.881 | 0.0 |
| 97 | 12434 | 12435 | NS | 1 | 48.576 | 49.434 | 0.0 | 0.0 | 262.944 | 2.581 | 1020.232 | 1098.208 | 14.537 | -91.98 | -89.761 | 0.0 |
| 98 | 12434 | 12435 | NS | 1 | 48.576 | 49.416 | 0.0 | 0.0 | 262.944 | 2.454 | 1020.232 | 1097.648 | 13.566 | -91.934 | -89.761 | 0.0 |
| 99 | 12434 | 12435 | NS | 2 | 48.576 | 49.434 | 0.0 | 0.0 | 262.944 | 2.581 | 1020.232 | 1098.208 | 14.537 | -91.98 | -89.761 | 0.0 |
| 100 | 12434 | 12435 | SN | 1 | 48.739 | 49.557 | 0.0 | 0.003 | 28.052 | 2.613 | 1032.32 | 1099.88 | 10.585 | -91.949 | -89.878 | 0.0 |
| 101 | 12434 | 12435 | NS | 1 | 48.577 | 49.435 | 0.0 | 0.0 | 266.904 | 2.576 | 1020.24 | 1098.2 | 14.519 | -91.964 | -89.761 | 0.0 |
| 102 | 12434 | 12435 | SN | 2 | 48.739 | 49.557 | 0.0 | 0.003 | 28.052 | 2.614 | 1032.32 | 1099.88 | 10.589 | -91.949 | -89.878 | 0.0 |
| 103 | 12435 | 12436 | SN | 1 | 48.75 | 49.586 | 0.0 | 0.0 | 109.76 | 2.732 | 1032.408 | 1099.92 | 10.649 | -91.96 | -89.877 | 0.0 |
| 104 | 12435 | 12436 | NS | 1 | 48.584 | 49.478 | 0.0 | 0.0 | 267.163 | 2.741 | 1020.976 | 1095.96 | 11.356 | -92.501 | -89.758 | 0.0 |
| 105 | 12435 | 12436 | NS | 1 | 48.584 | 49.478 | 0.0 | 0.0 | 267.163 | 3.381 | 1020.976 | 1098.624 | 15.925 | -92.501 | -89.758 | 0.0 |
| 106 | 12435 | 12436 | NS | 1 | 48.584 | 49.478 | 0.0 | 0.0 | 267.163 | 3.361 | 1020.976 | 1098.624 | 15.826 | -92.501 | -89.758 | 0.0 |

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

■ Normal ■ Deviations
■ Alarming ■ High Errors

| | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|--------|---------|---------|-----|
| 107 | 12435 | 12436 | SN | 1 | 48.75 | 49.586 | 0.0 | 0.0 | 109.76 | 2.732 | 1032.408 | 1099.92 | 10.648 | -91.96 | -89.877 | 0.0 |
| 108 | 12436 | 12437 | NS | 1 | 48.632 | 49.421 | 0.0 | 0.003 | 6.894 | 2.527 | 1020.88 | 1098.752 | 16.373 | -91.94 | -89.757 | 0.0 |
| 109 | 12436 | 12437 | SN | 1 | 48.697 | 49.577 | 0.0 | 0.003 | 6.866 | 2.57 | 1031.424 | 1100.024 | 10.526 | -91.986 | -89.884 | 0.0 |
| 110 | 12436 | 12437 | NS | 1 | 48.632 | 49.421 | 0.0 | 0.003 | 6.894 | 2.527 | 1020.88 | 1098.752 | 16.371 | -91.94 | -89.757 | 0.0 |
| 111 | 12436 | 12437 | NS | 1 | 48.632 | 49.378 | 0.0 | 0.003 | 5.377 | 1.385 | 1020.88 | 1093.552 | 11.859 | -91.902 | -89.757 | 0.0 |
| 112 | 12437 | 12438 | SN | 1 | 48.728 | 49.656 | 0.0 | 0.0 | 238.551 | 1.392 | 1032.264 | 1103.472 | 7.365 | -94.213 | -89.907 | 0.0 |
| 113 | 12437 | 12438 | SN | 1 | 48.75 | 49.656 | 0.0 | 0.0 | 238.551 | 3.042 | 1032.448 | 1103.472 | 10.884 | -94.213 | -89.886 | 0.0 |
| 114 | 12437 | 12438 | NS | 1 | 48.545 | 49.448 | 0.0 | 0.0 | 267.378 | 1.801 | 1020.864 | 1088.488 | 12.51 | -92.21 | -89.756 | 0.0 |
| 115 | 12437 | 12438 | NS | 1 | 48.545 | 49.458 | 0.0 | 0.0 | 267.378 | 2.378 | 1020.864 | 1098.784 | 12.949 | -93.517 | -89.756 | 0.0 |
| 116 | 12437 | 12438 | NS | 2 | 48.545 | 49.458 | 0.0 | 0.0 | 267.378 | 3.149 | 1020.864 | 1098.784 | 16.533 | -93.517 | -89.756 | 0.0 |
| 117 | 12437 | 12438 | NS | 1 | 48.545 | 49.458 | 0.0 | 0.0 | 267.378 | 3.149 | 1020.864 | 1098.784 | 16.533 | -93.517 | -89.756 | 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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 73 | 12427 | 12428 | NS | 1 | -34.908 | 23.28 | 0.036 | -34.352 | 23.014 | 0.127 | -23.417 | 28.366 | 8.005 | -15.442 | 30.54 | 15.5 | 0.116 | 300.068 | 4.315 | 0.116 | 264.021 | 4.393 | 0.116 | 21.37 | 0.057 | 0.116 | 3.482 | 0.019 |
| 74 | 12427 | 12428 | SN | 1 | -34.538 | 24.687 | 0.24 | -34.648 | 25.662 | 0.336 | 4.794 | 28.004 | 22.077 | 6.906 | 28.726 | 31.666 | 0.116 | 275.573 | 2.237 | 0.116 | 282.634 | 1.867 | 0.116 | 0.142 | 0.0 | 0.116 | 0.132 | 0.0 |
| 75 | 12428 | 12429 | SN | 1 | -34.666 | 24.799 | 0.153 | -33.484 | 24.907 | 0.202 | 5.489 | 27.752 | 27.189 | 7.819 | 28.92 | 46.124 | 0.116 | 283.807 | 2.189 | 0.116 | 216.232 | 1.428 | 0.116 | 0.138 | 0.0 | 0.116 | 0.128 | 0.0 |
| 76 | 12428 | 12429 | SN | 1 | -34.666 | 24.799 | 0.147 | -33.484 | 24.907 | 0.196 | 5.489 | 27.752 | 26.16 | 7.819 | 28.92 | 45.241 | 0.116 | 283.807 | 2.117 | 0.116 | 216.232 | 1.373 | 0.116 | 0.138 | 0.0 | 0.116 | 0.128 | 0.0 |
| 77 | 12428 | 12429 | SN | 1 | -34.666 | 24.799 | 0.147 | -33.484 | 24.907 | 0.196 | 5.489 | 27.752 | 26.161 | 7.819 | 28.92 | 45.244 | 0.116 | 283.807 | 2.117 | 0.116 | 216.232 | 1.373 | 0.116 | 0.138 | 0.0 | 0.116 | 0.128 | 0.0 |
| 78 | 12428 | 12429 | NS | 1 | -33.949 | 24.31 | 0.034 | -34.47 | 24.672 | 0.07 | -17.807 | 27.982 | 9.61 | -14.648 | 30.11 | 15.351 | 0.116 | 240.616 | 2.95 | 0.116 | 271.328 | 2.341 | 0.116 | 5.938 | 0.04 | 0.116 | 2.915 | 0.002 |
| 79 | 12429 | 12430 | SN | 1 | -34.841 | 21.524 | 0.0 | -34.8 | 22.781 | 0.036 | 5.532 | 30.382 | 18.157 | 7.986 | 31.644 | 33.458 | 0.116 | 295.538 | 3.182 | 0.116 | 292.665 | 2.774 | 0.116 | 0.138 | 0.0 | 0.116 | 0.128 | 0.0 |
| 80 | 12429 | 12430 | SN | 1 | -34.841 | 21.524 | 0.0 | -34.8 | 21.664 | 0.0 | 5.532 | 30.382 | 18.209 | 7.986 | 31.644 | 33.448 | 0.116 | 295.538 | 3.278 | 0.116 | 292.665 | 2.846 | 0.116 | 0.138 | 0.0 | 0.116 | 0.128 | 0.0 |
| 81 | 12429 | 12430 | NS | 1 | -34.02 | 28.481 | 0.778 | -34.784 | 28.935 | 1.145 | -5.38 | 30.356 | 14.092 | -5.099 | 31.434 | 21.11 | 0.116 | 244.637 | 1.921 | 0.116 | 291.63 | 1.86 | 0.116 | 0.43 | 0.0 | 0.116 | 0.409 | 0.0 |
| 82 | 12429 | 12430 | NS | 1 | -34.547 | 28.482 | 0.779 | -34.784 | 28.935 | 1.146 | -5.38 | 30.354 | 14.048 | -5.099 | 31.432 | 21.109 | 0.116 | 295.821 | 1.923 | 0.116 | 291.63 | 1.862 | 0.116 | 0.43 | 0.0 | 0.116 | 0.409 | 0.0 |
| 83 | 12429 | 12430 | SN | 2 | -34.841 | 21.524 | 0.0 | -34.8 | 22.781 | 0.036 | 5.532 | 30.382 | 18.157 | 7.986 | 31.644 | 33.458 | 0.116 | 295.538 | 3.182 | 0.116 | 292.665 | 2.774 | 0.116 | 0.138 | 0.0 | 0.116 | 0.128 | 0.0 |
| 84 | 12430 | 12431 | SN | 1 | -34.242 | 21.85 | 0.0 | -34.464 | 24.694 | 0.364 | 1.917 | 34.941 | 14.708 | -0.02 | 33.942 | 21.37 | 0.116 | 257.468 | 5.438 | 0.116 | 270.955 | 4.282 | 0.116 | 0.168 | 0.0 | 0.116 | 0.2 | 0.0 |
| 85 | 12430 | 12431 | SN | 1 | -34.242 | 21.85 | 0.0 | -34.464 | 21.804 | 0.0 | 1.917 | 34.941 | 15.526 | -0.02 | 33.942 | 21.381 | 0.116 | 257.468 | 5.883 | 0.116 | 270.955 | 4.953 | 0.116 | 0.168 | 0.0 | 0.116 | 0.2 | 0.0 |
| 86 | 12430 | 12431 | NS | 1 | -34.776 | 27.972 | 2.198 | -34.67 | 28.931 | 2.658 | 4.349 | 32.973 | 11.851 | 6.428 | 29.744 | 21.089 | 0.116 | 291.131 | 3.48 | 0.116 | 284.055 | 3.194 | 0.116 | 0.145 | 0.0 | 0.116 | 0.133 | 0.0 |
| 87 | 12430 | 12431 | NS | 1 | -34.393 | 27.968 | 2.203 | -34.338 | 28.931 | 2.662 | 4.352 | 32.973 | 11.851 | 6.426 | 29.744 | 21.095 | 0.116 | 266.538 | 3.486 | 0.116 | 263.202 | 3.205 | 0.116 | 0.145 | 0.0 | 0.116 | 0.133 | 0.0 |
| 88 | 12430 | 12431 | SN | 1 | -34.242 | 21.85 | 0.0 | -34.464 | 24.694 | 0.364 | 1.917 | 34.941 | 14.708 | -0.02 | 33.942 | 21.37 | 0.116 | 257.468 | 5.438 | 0.116 | 270.955 | 4.282 | 0.116 | 0.168 | 0.0 | 0.116 | 0.2 | 0.0 |
| 89 | 12431 | 12432 | NS | 1 | -34.52 | 27.162 | 1.703 | -34.942 | 27.294 | 2.037 | -24.814 | 29.291 | 26.411 | -12.611 | 30.56 | 44.34 | 0.116 | 274.387 | 4.155 | 0.116 | 302.434 | 4.083 | 0.116 | 29.443 | 0.017 | 0.116 | 1.858 | 0.01 |
| 90 | 12431 | 12432 | SN | 1 | -34.776 | 24.228 | 0.045 | -33.97 | 25.343 | 0.779 | -9.874 | 28.546 | 18.718 | -3.787 | 29.661 | 22.279 | 0.116 | 291.146 | 5.774 | 0.116 | 241.871 | 3.839 | 0.116 | 1.033 | 0.002 | 0.116 | 0.329 | 0.0 |
| 91 | 12431 | 12432 | SN | 1 | -34.776 | 24.228 | 0.045 | -33.97 | 25.343 | 0.779 | -9.874 | 28.546 | 18.718 | -3.787 | 29.661 | 22.279 | 0.116 | 291.146 | 5.774 | 0.116 | 241.871 | 3.839 | 0.116 | 1.033 | 0.002 | 0.116 | 0.329 | 0.0 |
| 92 | 12432 | 12433 | SN | 1 | -33.826 | 26.613 | 0.068 | -34.973 | 26.463 | 1.186 | -13.8 | 30.086 | 16.073 | -21.017 | 34.775 | 15.021 | 0.116 | 233.96 | 3.751 | 0.116 | 304.628 | 2.901 | 0.116 | 2.415 | 0.009 | 0.116 | 12.335 | 0.029 |
| 93 | 12432 | 12433 | NS | 2 | -34.515 | 28.623 | 1.286 | -34.868 | 26.797 | 1.217 | 2.738 | 30.792 | 23.199 | 1.597 | 30.233 | 38.384 | 0.116 | 274.152 | 3.624 | 0.116 | 297.352 | 3.247 | 0.116 | 0.159 | 0.0 | 0.116 | 0.173 | 0.0 |
| 94 | 12432 | 12433 | NS | 1 | -34.485 | 28.623 | 1.286 | -34.948 | 26.797 | 1.217 | 2.738 | 30.792 | 23.199 | 1.597 | 30.233 | 38.384 | 0.116 | 272.292 | 3.622 | 0.116 | 302.874 | 3.248 | 0.116 | 0.159 | 0.0 | 0.116 | 0.173 | 0.0 |
| 95 | 12433 | 12434 | NS | 1 | -34.858 | 25.24 | 1.776 | -34.813 | 25.388 | 1.039 | 4.76 | 28.756 | 16.986 | 6.103 | 31.401 | 27.056 | 0.116 | 296.637 | 6.49 | 0.116 | 293.596 | 5.955 | 0.116 | 0.142 | 0.0 | 0.116 | 0.135 | 0.0 |
| 96 | 12433 | 12434 | SN | 1 | -34.08 | 25.925 | 0.017 | -33.31 | 28.064 | 1.255 | -21.088 | 29.71 | 14.448 | -9.774 | 29.966 | 16.427 | 0.116 | 247.981 | 2.969 | 0.116 | 207.686 | 2.205 | 0.116 | 12.54 | 0.019 | 0.116 | 1.012 | 0.002 |
| 97 | 12434 | 12435 | NS | 1 | -34.668 | 25.074 | 2.657 | -34.677 | 26.264 | 2.045 | 11.035 | 28.465 | 27.413 | 12.209 | 29.678 | 44.82 | 0.116 | 283.977 | 3.244 | 0.116 | 284.595 | 2.694 | 0.116 | 0.122 | 0.0 | 0.116 | 0.12 | 0.0 |
| 98 | 12434 | 12435 | NS | 1 | -33.208 | 25.074 | 2.658 | -34.677 | 26.264 | 2.045 | 11.105 | 28.465 | 24.825 | 12.209 | 29.669 | 43.601 | 0.116 | 202.928 | 3.239 | 0.116 | 284.595 | 2.691 | 0.116 | 0.122 | 0.0 | 0.116 | 0.12 | 0.0 |
| 99 | 12434 | 12435 | NS | 2 | -34.668 | 25.074 | 2.657 | -34.677 | 26.264 | 2.045 | 11.035 | 28.465 | 27.413 | 12.209 | 29.678 | 44.82 | 0.116 | 283.977 | 3.244 | 0.116 | 284.595 | 2.694 | 0.116 | 0.122 | 0.0 | 0.116 | 0.12 | 0.0 |
| 100 | 12434 | 12435 | SN | 1 | -34.521 | 24.078 | 0.202 | -34.174 | 26.299 | 3.879 | -27.526 | 32.006 | 15.389 | -25.722 | 31.575 | 17.348 | 0.116 | 274.537 | 1.778 | 0.116 | 253.433 | 1.594 | 0.116 | 54.894 | 0.008 | 0.116 | 36.266 | 0.008 |
| 101 | 12434 | 12435 | NS | 1 | -33.305 | 25.074 | 2.654 | -34.677 | 26.264 | 2.044 | 11.04 | 28.465 | 27.391 | 12.208 | 29.678 | 44.822 | 0.116 | 207.486 | 3.242 | 0.116 | 284.595 | 2.689 | 0.116 | 0.122 | 0.0 | 0.116 | 0.12 | 0.0 |
| 102 | 12434 | 12435 | SN | 2 | -34.521 | 24.078 | 0.203 | -34.174 | 26.299 | 3.882 | -27.526 | 32.006 | 15.389 | -25.722 | 31.575 | 17.348 | 0.116 | 274.537 | 1.78 | 0.116 | 253.433 | 1.591 | 0.116 | 54.894 | 0.008 | 0.116 | 36.266 | 0.008 |
| 103 | 12435 | 12436 | SN | 1 | -34.823 | 23.878 | 0.288 | -34.202 | 26.112 | 3.228 | -20.83 | 29.259 | 23.852 | -8.038 | 30.255 | 26.668 | 0.116 | 294.251 | 4.15 | 0.116 | 255.058 | 3.486 | 0.116 | 11.821 | 0.002 | 0.116 | 0.71 | 0.0 |
| 104 | 12435 | 12436 | NS | 1 | -34.88 | 25.201 | 1.989 | -33.126 | 26.649 | 1.341 | 11.239 | 28.388 | 22.606 | 11.544 | 30.094 | 41.365 | 0.116 | 298.194 | 2.339 | 0.116 | 199.114 | 2.175 | 0.116 | 0.121 | 0.0 | 0.116 | 0.121 | 0.0 |
| 105 | 12435 | 12436 | NS | 1 | -34.88 | 25.201 | 1.986 | -33.126 | 26.649 | 1.341 | 11.245 | 28.388 | 30.79 | 11.553 | 30.094 | 43.318 | 0.116 | 298.194 | 2.342 | 0.116 | 199.114 | 2.175 | 0.116 | 0.121 | 0.0 | 0.116 | 0.121 | 0.0 |
| 106 | 12435 | 12436 | NS | 1 | -34.564 | 25.201 | 1.972 | -34.311 | 26.649 | 1.331 | 11.245 | 28.388 | 30.795 | 11.555 | 30.092 | 43.316 | 0.116 | 277.258 | 2.319 | 0.116 | 261.508 | 2.201 | 0.116 | 0.121 | 0.0 | 0.116 | 0.121 | 0.0 |
| 107 | 12435 | 12436 | SN | 1 | -34.823 | 23.878 | 0.288 | -34.202 | 26.112 | 3.227 | -20.83 | 29.259 | 23.854 | -8.038 | 30.255 | 26.672 | 0.116 | 294.251 | 4.15 | 0.116 | 255.058 | 3.486 | 0.116 | 11.821 | 0.002 | 0.116 | 0.71 | 0.0 |
| 108 | 12436 | 12437 | NS | 1 | -34.628 | 25.41 | 1.776 | -34.28 | 26.853 | 0.369 | 7.432 | 28.897 | 30.44 | 8.634 | 30.564 | 41.754 | 0.116 | 281.298 | 1.482 | 0.116 | 259.677 | 1.328 | 0.116 | 0.13 | 0.0 | 0.116 | 0.126 | 0.0 |
| 109 | 12436 | 12437 | SN | 1 | -34.609 | 24.536 | 0.436 | -34.929 | 26.162 | 2.688 | 7.455 | 29.239 | 41.418 | 8.099 | 30.185 | 54.072 | 0.116 | 280.162 | 4.471 | 0.116 | 301.62 | 3.415 | 0.116 | 0.13 | 0.0 | 0.116 | 0.128 | 0.0 |
| 110 | 12436 | 12437 | NS | 1 | -34.628 | 25.41 | 1.776 | -34.28 | 26.853 | 0.369 | 7.432 | 28.897 | 30.44 | 8.634 | 30.564 | 41.754 | 0.116 | 281.298 | 1.482 | 0.116 | 259.677 | 1.328 | 0.116 | 0.13 | 0.0 | 0.116 | 0.126 | 0.0 |
| 111 | 12436 | 12437 | NS | 1 | -34.628 | 25.41 | 1.75 | -34.232 | 26.867 | 0.37 | 11.298 | 28.578 | 15.599 | 8.651 | 30.563 | 22.052 | 0.116 | 281.298 | 1.48 | 0.116 | 256.857 | 1.326 | 0.116 | 0.121 | 0.0 | 0.116 | 0.126 | 0.0 |

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

- Normal
- Deviations
- Alarming
- High Errors


| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|-------|--------|--------|-------|--------|--------|-------|---------|-------|-------|---------|-------|-------|-------|-----|-------|-------|-----|
| 112 | 12437 | 12438 | SN | 1 | -34.529 | 21.994 | 0.0 | -34.56 | 25.569 | 0.236 | 5.658 | 30.15 | 14.656 | 9.944 | 29.42 | 26.679 | 0.116 | 274.973 | 2.758 | 0.116 | 276.967 | 2.189 | 0.116 | 0.137 | 0.0 | 0.116 | 0.123 | 0.0 |
| 113 | 12437 | 12438 | SN | 1 | -34.185 | 24.22 | 0.907 | -34.518 | 26.191 | 3.117 | 5.662 | 30.158 | 19.303 | 9.491 | 30.099 | 27.62 | 0.116 | 254.084 | 2.672 | 0.116 | 274.348 | 2.287 | 0.116 | 0.137 | 0.0 | 0.116 | 0.124 | 0.0 |
| 114 | 12437 | 12438 | NS | 1 | -32.349 | 25.671 | 1.815 | -33.426 | 27.153 | 0.188 | 7.522 | 27.057 | 11.429 | 6.439 | 28.004 | 17.733 | 0.116 | 166.516 | 1.299 | 0.116 | 213.358 | 1.452 | 0.116 | 0.129 | 0.0 | 0.116 | 0.133 | 0.0 |
| 115 | 12437 | 12438 | NS | 1 | -34.705 | 25.671 | 1.859 | -33.426 | 27.153 | 0.187 | 7.07 | 27.945 | 12.512 | 6.44 | 29.104 | 21.843 | 0.116 | 286.367 | 1.452 | 0.116 | 213.358 | 1.451 | 0.116 | 0.131 | 0.0 | 0.116 | 0.133 | 0.0 |
| 116 | 12437 | 12438 | NS | 2 | -32.549 | 25.671 | 1.886 | -33.426 | 27.153 | 0.295 | 5.696 | 29.192 | 18.968 | 6.074 | 30.099 | 29.719 | 0.116 | 174.312 | 1.463 | 0.116 | 213.358 | 1.45 | 0.116 | 0.137 | 0.0 | 0.116 | 0.135 | 0.0 |
| 117 | 12437 | 12438 | NS | 1 | -32.549 | 25.671 | 1.886 | -33.426 | 27.153 | 0.295 | 5.696 | 29.192 | 18.968 | 6.075 | 30.099 | 29.719 | 0.116 | 174.312 | 1.463 | 0.116 | 213.358 | 1.45 | 0.116 | 0.137 | 0.0 | 0.116 | 0.135 | 0.0 |

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

 Normal

 Deviations

 Alarming

 High Errors

| | | | | | Outer | | | | | | | | | | | |
|-------|-------------|-----------|------|------|-----------------|--------|-----------|---------------|---------|-----------|----------|----------|-----------|----------|---------|-----------|
| | | | | | Incidence Angle | | | Azimuth Angle | | | Range | | | X-Factor | | |
| Sr No | Start Orbit | End Orbit | Dir. | Ver. | Min | Max | BadOcc(%) | Min | Max | BadOcc(%) | Min | Max | BadOcc(%) | Min | Max | BadOcc(%) |
| 1 | 12409 | 12410 | SN | 1 | 57.502 | 58.444 | 0.0 | 0.0 | 289.879 | 3.779 | 1211.104 | 1293.152 | 19.491 | -93.252 | -91.959 | 0.0 |
| 2 | 12409 | 12410 | SN | 1 | 57.502 | 58.444 | 0.0 | 0.0 | 297.126 | 3.919 | 1211.104 | 1293.152 | 19.122 | -93.781 | -91.95 | 0.0 |
| 3 | 12409 | 12410 | SN | 1 | 57.502 | 58.444 | 0.0 | 0.0 | 297.115 | 3.914 | 1211.104 | 1293.152 | 19.106 | -93.781 | -91.95 | 0.0 |
| 4 | 12409 | 12410 | NS | 1 | 57.336 | 58.274 | 0.0 | 0.0 | 294.975 | 4.049 | 1193.448 | 1290.688 | 46.99 | -93.401 | -91.773 | 0.0 |
| 5 | 12410 | 12411 | NS | 2 | 57.366 | 58.277 | 0.0 | 0.0 | 291.55 | 3.653 | 1194.272 | 1290.888 | 49.267 | -93.362 | -91.74 | 0.0 |
| 6 | 12410 | 12411 | SN | 1 | 57.488 | 58.574 | 0.0 | 0.0 | 291.269 | 3.822 | 1210.792 | 1293.328 | 17.664 | -94.694 | -91.952 | 0.0 |
| 7 | 12410 | 12411 | SN | 1 | 57.488 | 58.574 | 0.0 | 0.0 | 291.269 | 3.939 | 1210.792 | 1293.328 | 17.487 | -94.694 | -91.949 | 0.0 |
| 8 | 12410 | 12411 | SN | 1 | 57.488 | 58.574 | 0.0 | 0.0 | 291.269 | 3.821 | 1210.792 | 1293.328 | 17.646 | -94.694 | -91.952 | 0.0 |
| 9 | 12410 | 12411 | NS | 1 | 57.367 | 58.288 | 0.0 | 0.0 | 291.462 | 3.653 | 1194.296 | 1290.864 | 49.246 | -93.362 | -91.74 | 0.0 |
| 10 | 12411 | 12412 | SN | 1 | 57.469 | 58.442 | 0.0 | 0.0 | 289.819 | 3.441 | 1209.848 | 1293.4 | 17.529 | -93.6 | -91.953 | 0.0 |
| 11 | 12411 | 12412 | SN | 1 | 57.481 | 58.44 | 0.0 | 0.0 | 289.819 | 3.423 | 1210.016 | 1293.4 | 17.546 | -93.386 | -91.953 | 0.0 |
| 12 | 12411 | 12412 | SN | 1 | 57.466 | 58.44 | 0.0 | 0.0 | 289.819 | 3.428 | 1209.976 | 1293.4 | 17.45 | -93.386 | -91.953 | 0.0 |
| 13 | 12411 | 12412 | NS | 1 | 57.337 | 58.28 | 0.0 | 0.003 | 296.922 | 3.71 | 1194.44 | 1291.024 | 49.685 | -93.36 | -91.736 | 0.0 |
| 14 | 12412 | 12413 | SN | 1 | 57.479 | 58.443 | 0.0 | 0.0 | 283.284 | 3.221 | 1209.936 | 1293.256 | 17.582 | -93.319 | -91.953 | 0.0 |
| 15 | 12412 | 12413 | NS | 1 | 57.368 | 58.283 | 0.0 | 0.0 | 285.809 | 3.838 | 1194.616 | 1290.896 | 49.444 | -93.743 | -91.771 | 0.0 |
| 16 | 12412 | 12413 | NS | 1 | 57.368 | 58.283 | 0.0 | 0.0 | 285.749 | 3.839 | 1194.6 | 1290.92 | 49.396 | -93.743 | -91.771 | 0.0 |
| 17 | 12412 | 12413 | SN | 1 | 57.479 | 58.443 | 0.0 | 0.0 | 285.881 | 3.405 | 1209.936 | 1293.256 | 17.279 | -93.319 | -91.947 | 0.0 |
| 18 | 12412 | 12413 | SN | 1 | 57.479 | 58.443 | 0.0 | 0.0 | 285.881 | 3.405 | 1209.936 | 1293.256 | 17.279 | -93.319 | -91.947 | 0.0 |
| 19 | 12413 | 12414 | SN | 3 | 57.496 | 58.448 | 0.0 | 0.0 | 298.477 | 3.818 | 1210.336 | 1293.184 | 17.243 | -94.8 | -91.947 | 0.0 |
| 20 | 12413 | 12414 | NS | 1 | 57.344 | 58.294 | 0.0 | 0.0 | 286.587 | 3.939 | 1194.24 | 1290.856 | 47.998 | -93.286 | -91.788 | 0.0 |
| 21 | 12413 | 12414 | NS | 1 | 57.342 | 58.287 | 0.0 | 0.0 | 286.543 | 3.943 | 1194.648 | 1290.888 | 47.941 | -93.292 | -91.788 | 0.0 |
| 22 | 12413 | 12414 | SN | 1 | 57.496 | 58.448 | 0.0 | 0.0 | 298.477 | 3.818 | 1210.336 | 1293.184 | 17.243 | -94.8 | -91.947 | 0.0 |
| 23 | 12413 | 12414 | SN | 2 | 57.496 | 58.448 | 0.0 | 0.0 | 298.477 | 3.819 | 1210.336 | 1293.184 | 17.243 | -94.8 | -91.947 | 0.0 |
| 24 | 12414 | 12415 | SN | 1 | 57.461 | 58.44 | 0.0 | 0.0 | 290.933 | 3.761 | 1209.4 | 1293.056 | 17.271 | -93.954 | -91.949 | 0.0 |
| 25 | 12414 | 12415 | NS | 2 | 57.369 | 58.28 | 0.0 | 0.0 | 289.56 | 3.781 | 1194.688 | 1290.776 | 46.198 | -94.194 | -91.792 | 0.0 |
| 26 | 12414 | 12415 | SN | 1 | 57.477 | 58.44 | 0.0 | 0.0 | 290.933 | 3.286 | 1209.84 | 1293.056 | 18.084 | -93.954 | -91.968 | 0.0 |
| 27 | 12414 | 12415 | NS | 1 | 57.37 | 58.282 | 0.0 | 0.0 | 289.438 | 3.783 | 1194.728 | 1290.728 | 46.188 | -94.194 | -91.793 | 0.0 |
| 28 | 12414 | 12415 | SN | 1 | 57.477 | 58.44 | 0.0 | 0.0 | 290.933 | 3.765 | 1209.84 | 1293.056 | 17.29 | -93.954 | -91.949 | 0.0 |
| 29 | 12415 | 12416 | NS | 1 | 57.355 | 58.258 | 0.0 | 0.0 | 297.126 | 4.036 | 1194.104 | 1290.872 | 48.238 | -95.404 | -91.795 | 0.0 |
| 30 | 12415 | 12416 | SN | 1 | 57.496 | 58.428 | 0.0 | 0.0 | 294.606 | 3.542 | 1210.368 | 1293.392 | 17.88 | -95.296 | -91.951 | 0.0 |
| 31 | 12415 | 12416 | SN | 1 | 57.496 | 58.428 | 0.0 | 0.0 | 294.749 | 3.539 | 1210.368 | 1293.392 | 17.862 | -95.296 | -91.951 | 0.0 |
| 32 | 12415 | 12416 | SN | 1 | 57.496 | 58.428 | 0.0 | 0.0 | 289.157 | 3.243 | 1210.368 | 1293.392 | 18.459 | -95.296 | -91.964 | 0.0 |
| 33 | 12415 | 12416 | NS | 2 | 57.363 | 58.26 | 0.0 | 0.0 | 295.466 | 4.042 | 1194.12 | 1290.808 | 48.234 | -95.404 | -91.795 | 0.0 |
| 34 | 12416 | 12417 | SN | 1 | 57.499 | 58.65 | 0.0 | 0.003 | 289.19 | 2.733 | 1210.512 | 1301.392 | 19.539 | -96.076 | -91.939 | 0.0 |

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

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|  Normal |  Deviations |
|  Alarming |  High Errors |

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|----|-------|-------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|--------|---------|---------|-----|
| 35 | 12416 | 12417 | SN | 1 | 57.498 | 58.649 | 0.0 | 0.0 | 289.069 | 3.726 | 1210.48 | 1301.376 | 18.127 | -96.076 | -91.925 | 0.0 |
| 36 | 12416 | 12417 | SN | 2 | 57.499 | 58.65 | 0.0 | 0.0 | 289.19 | 3.727 | 1210.512 | 1301.392 | 18.13 | -96.076 | -91.925 | 0.0 |
| 37 | 12416 | 12417 | NS | 1 | 57.338 | 58.278 | 0.0 | 0.0 | 297.143 | 3.77 | 1194.384 | 1290.936 | 49.644 | -93.501 | -91.802 | 0.0 |
| 38 | 12416 | 12417 | NS | 1 | 57.336 | 58.276 | 0.0 | 0.003 | 296.338 | 3.721 | 1194.344 | 1290.992 | 49.585 | -93.501 | -91.801 | 0.0 |
| 39 | 12417 | 12418 | NS | 1 | 57.364 | 58.285 | 0.0 | 0.0 | 297.176 | 3.899 | 1194.544 | 1291.128 | 46.194 | -93.36 | -91.801 | 0.0 |
| 40 | 12417 | 12418 | NS | 1 | 57.364 | 58.285 | 0.0 | 0.0 | 297.176 | 3.952 | 1194.544 | 1291.128 | 46.25 | -93.36 | -91.801 | 0.0 |
| 41 | 12417 | 12418 | SN | 1 | 57.501 | 58.445 | 0.0 | 0.0 | 287.497 | 3.785 | 1210.6 | 1295.472 | 17.788 | -95.55 | -91.918 | 0.0 |
| 42 | 12418 | 12419 | SN | 1 | 57.499 | 58.451 | 0.0 | 0.003 | 299.658 | 3.293 | 1210.472 | 1293.24 | 17.4 | -93.652 | -91.931 | 0.0 |
| 43 | 12418 | 12419 | NS | 1 | 57.371 | 58.29 | 0.0 | 0.0 | 286.477 | 3.858 | 1194.872 | 1291.144 | 48.523 | -93.935 | -91.77 | 0.0 |
| 44 | 12418 | 12419 | NS | 1 | 57.371 | 58.283 | 0.0 | 0.0 | 286.477 | 3.852 | 1194.872 | 1290.864 | 48.518 | -93.935 | -91.77 | 0.0 |
| 45 | 12419 | 12420 | NS | 1 | 57.369 | 58.271 | 0.0 | 0.0 | 285.721 | 3.083 | 1194.824 | 1290.208 | 47.927 | -93.317 | -91.782 | 0.0 |
| 46 | 12419 | 12420 | NS | 1 | 57.369 | 58.292 | 0.0 | 0.0 | 285.721 | 3.083 | 1194.376 | 1289.552 | 47.888 | -93.295 | -91.782 | 0.0 |
| 47 | 12420 | 12421 | SN | 1 | 57.48 | 58.439 | 0.0 | 0.0 | 291.396 | 3.694 | 1209.92 | 1293.408 | 18.226 | -93.434 | -91.942 | 0.0 |
| 48 | 12421 | 12422 | NS | 1 | 57.348 | 58.288 | 0.0 | 0.0 | 298.097 | 3.762 | 1194.488 | 1291.24 | 50.306 | -93.329 | -91.801 | 0.0 |
| 49 | 12421 | 12422 | SN | 1 | 57.483 | 58.516 | 0.0 | 0.0 | 294.043 | 3.731 | 1209.6 | 1296.32 | 18.05 | -95.821 | -91.94 | 0.0 |
| 50 | 12422 | 12423 | SN | 1 | 57.485 | 58.427 | 0.0 | 0.0 | 289.885 | 3.982 | 1209.552 | 1293.624 | 18.831 | -95.698 | -91.942 | 0.0 |
| 51 | 12422 | 12423 | NS | 1 | 57.346 | 58.271 | 0.0 | 0.003 | 285.23 | 3.665 | 1194.424 | 1291.272 | 50.318 | -93.27 | -91.8 | 0.0 |
| 52 | 12422 | 12423 | SN | 1 | 57.485 | 58.427 | 0.0 | 0.0 | 289.885 | 2.988 | 1209.552 | 1293.624 | 19.943 | -95.698 | -91.953 | 0.0 |
| 53 | 12422 | 12423 | NS | 1 | 57.346 | 58.273 | 0.0 | 0.003 | 282.98 | 1.715 | 1194.424 | 1282.4 | 44.03 | -93.174 | -91.8 | 0.0 |
| 54 | 12423 | 12424 | SN | 1 | 57.496 | 58.452 | 0.0 | 0.0 | 286.333 | 4.016 | 1209.976 | 1293.576 | 18.609 | -94.518 | -91.946 | 0.0 |
| 55 | 12423 | 12424 | NS | 1 | 57.366 | 58.28 | 0.0 | 0.0 | 287.337 | 3.894 | 1193.912 | 1291.248 | 47.632 | -93.497 | -91.789 | 0.0 |
| 56 | 12423 | 12424 | SN | 1 | 57.496 | 58.452 | 0.0 | 0.0 | 283.78 | 3.509 | 1209.976 | 1293.576 | 19.304 | -93.297 | -91.963 | 0.0 |
| 57 | 12424 | 12425 | SN | 1 | 57.494 | 58.442 | 0.0 | 0.0 | 296.845 | 3.161 | 1209.816 | 1293.528 | 17.381 | -93.664 | -91.945 | 0.0 |
| 58 | 12424 | 12425 | SN | 2 | 57.494 | 58.442 | 0.0 | 0.0 | 296.845 | 3.161 | 1209.816 | 1293.528 | 17.381 | -93.664 | -91.945 | 0.0 |
| 59 | 12424 | 12425 | SN | 3 | 57.494 | 58.442 | 0.0 | 0.0 | 296.845 | 3.161 | 1209.816 | 1293.528 | 17.381 | -93.664 | -91.945 | 0.0 |
| 60 | 12424 | 12425 | NS | 1 | 57.368 | 58.285 | 0.0 | 0.0 | 296.707 | 3.986 | 1194.48 | 1291.272 | 47.49 | -95.196 | -91.788 | 0.0 |
| 61 | 12424 | 12425 | NS | 1 | 57.368 | 58.277 | 0.0 | 0.0 | 296.707 | 3.982 | 1194.656 | 1291.272 | 47.541 | -95.196 | -91.788 | 0.0 |
| 62 | 12425 | 12426 | NS | 1 | 57.37 | 58.29 | 0.0 | 0.0 | 291.523 | 3.698 | 1194.592 | 1291.512 | 49.918 | -94.533 | -91.731 | 0.0 |
| 63 | 12425 | 12426 | SN | 1 | 57.454 | 58.444 | 0.0 | 0.003 | 286.868 | 2.824 | 1208.544 | 1293.664 | 17.131 | -93.55 | -91.947 | 0.0 |
| 64 | 12425 | 12426 | SN | 1 | 57.454 | 58.444 | 0.0 | 0.003 | 286.89 | 2.824 | 1208.536 | 1293.688 | 17.151 | -93.55 | -91.947 | 0.0 |
| 65 | 12425 | 12426 | SN | 1 | 57.454 | 58.444 | 0.0 | 0.003 | 286.89 | 2.824 | 1208.536 | 1293.688 | 17.151 | -93.55 | -91.947 | 0.0 |
| 66 | 12426 | 12427 | SN | 1 | 57.463 | 58.444 | 0.0 | 0.0 | 297.463 | 3.414 | 1208.536 | 1293.584 | 18.93 | -93.295 | -91.944 | 0.0 |
| 67 | 12426 | 12427 | SN | 1 | 57.456 | 58.444 | 0.0 | 0.0 | 297.463 | 3.274 | 1209.08 | 1293.584 | 19.208 | -93.295 | -91.951 | 0.0 |
| 68 | 12426 | 12427 | SN | 1 | 57.467 | 58.444 | 0.0 | 0.0 | 297.463 | 3.417 | 1209.24 | 1293.584 | 18.949 | -93.295 | -91.944 | 0.0 |
| 69 | 12426 | 12427 | NS | 1 | 57.37 | 58.29 | 0.0 | 0.0 | 294.633 | 3.785 | 1195.208 | 1291.496 | 49.152 | -93.642 | -91.775 | 0.0 |
| 70 | 12427 | 12428 | NS | 2 | 57.371 | 58.294 | 0.0 | 0.0 | 299.393 | 3.918 | 1195.24 | 1291.384 | 47.098 | -93.51 | -91.792 | 0.0 |
| 71 | 12427 | 12428 | SN | 1 | 57.489 | 58.448 | 0.0 | 0.0 | 291.126 | 3.432 | 1209.184 | 1293.44 | 19.108 | -93.726 | -91.945 | 0.0 |

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

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|  Normal |  Deviations |
|  Alarming |  High Errors |

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|-----|-------|-------|----|---|--------|--------|-----|-----|---------|-------|----------|----------|--------|---------|---------|-----|
| 72 | 12427 | 12428 | SN | 1 | 57.489 | 58.448 | 0.0 | 0.0 | 291.054 | 3.232 | 1209.184 | 1293.44 | 19.51 | -93.316 | -91.952 | 0.0 |
| 73 | 12427 | 12428 | NS | 1 | 57.371 | 58.294 | 0.0 | 0.0 | 299.393 | 3.925 | 1195.24 | 1291.384 | 47.1 | -93.51 | -91.792 | 0.0 |
| 74 | 12427 | 12428 | SN | 1 | 57.489 | 58.448 | 0.0 | 0.0 | 291.126 | 3.431 | 1209.176 | 1293.432 | 19.129 | -93.726 | -91.945 | 0.0 |
| 75 | 12428 | 12429 | SN | 1 | 57.479 | 58.434 | 0.0 | 0.0 | 289.736 | 2.85 | 1209.144 | 1293.384 | 19.828 | -93.316 | -91.953 | 0.0 |
| 76 | 12428 | 12429 | SN | 1 | 57.479 | 58.434 | 0.0 | 0.0 | 289.736 | 3.232 | 1209.144 | 1293.384 | 19.123 | -93.705 | -91.943 | 0.0 |
| 77 | 12428 | 12429 | SN | 1 | 57.479 | 58.434 | 0.0 | 0.0 | 289.736 | 3.231 | 1209.144 | 1293.384 | 19.123 | -93.705 | -91.942 | 0.0 |
| 78 | 12428 | 12429 | NS | 1 | 57.371 | 58.291 | 0.0 | 0.0 | 286.548 | 4.028 | 1195.064 | 1291.2 | 46.561 | -94.245 | -91.797 | 0.0 |
| 79 | 12429 | 12430 | SN | 1 | 57.489 | 58.445 | 0.0 | 0.0 | 287.177 | 3.936 | 1209.192 | 1293.32 | 19.736 | -93.726 | -91.942 | 0.0 |
| 80 | 12429 | 12430 | SN | 1 | 57.489 | 58.445 | 0.0 | 0.0 | 282.34 | 3.712 | 1209.192 | 1293.32 | 20.213 | -93.453 | -91.952 | 0.0 |
| 81 | 12429 | 12430 | NS | 1 | 57.373 | 58.275 | 0.0 | 0.0 | 288.054 | 3.742 | 1195.4 | 1291.16 | 46.049 | -94.109 | -91.794 | 0.0 |
| 82 | 12429 | 12430 | NS | 1 | 57.371 | 58.271 | 0.0 | 0.0 | 287.971 | 3.746 | 1195.376 | 1291.184 | 45.977 | -94.109 | -91.794 | 0.0 |
| 83 | 12429 | 12430 | SN | 2 | 57.489 | 58.445 | 0.0 | 0.0 | 287.177 | 3.936 | 1209.192 | 1293.32 | 19.736 | -93.726 | -91.942 | 0.0 |
| 84 | 12430 | 12431 | SN | 1 | 57.49 | 58.444 | 0.0 | 0.0 | 295.466 | 3.952 | 1209.288 | 1293.64 | 20.259 | -93.77 | -91.939 | 0.0 |
| 85 | 12430 | 12431 | SN | 1 | 57.49 | 58.444 | 0.0 | 0.0 | 295.466 | 2.965 | 1209.288 | 1293.64 | 21.864 | -93.77 | -91.955 | 0.0 |
| 86 | 12430 | 12431 | NS | 1 | 57.347 | 58.28 | 0.0 | 0.0 | 288.848 | 3.639 | 1194.576 | 1291.384 | 49.246 | -93.355 | -91.806 | 0.0 |
| 87 | 12430 | 12431 | NS | 1 | 57.349 | 58.284 | 0.0 | 0.0 | 288.848 | 3.643 | 1194.344 | 1291.384 | 49.219 | -93.355 | -91.806 | 0.0 |
| 88 | 12430 | 12431 | SN | 1 | 57.49 | 58.444 | 0.0 | 0.0 | 295.466 | 3.952 | 1209.288 | 1293.64 | 20.258 | -93.77 | -91.939 | 0.0 |
| 89 | 12431 | 12432 | NS | 1 | 57.349 | 58.647 | 0.0 | 0.0 | 293.503 | 3.937 | 1194.816 | 1301.744 | 47.605 | -95.983 | -91.808 | 0.0 |
| 90 | 12431 | 12432 | SN | 1 | 57.492 | 58.442 | 0.0 | 0.0 | 297.27 | 3.902 | 1209.424 | 1293.696 | 18.133 | -94.826 | -91.912 | 0.0 |
| 91 | 12431 | 12432 | SN | 1 | 57.492 | 58.442 | 0.0 | 0.0 | 297.27 | 3.902 | 1209.424 | 1293.696 | 18.133 | -94.826 | -91.912 | 0.0 |
| 92 | 12432 | 12433 | SN | 1 | 57.375 | 58.642 | 0.0 | 0.0 | 292.615 | 3.377 | 1208.968 | 1295.184 | 17.36 | -96.038 | -91.923 | 0.0 |
| 93 | 12432 | 12433 | NS | 2 | 57.372 | 58.383 | 0.0 | 0.0 | 297.54 | 3.974 | 1195.472 | 1294.72 | 47.772 | -95.45 | -91.787 | 0.0 |
| 94 | 12432 | 12433 | NS | 1 | 57.372 | 58.383 | 0.0 | 0.0 | 297.562 | 3.973 | 1195.472 | 1294.728 | 47.788 | -95.45 | -91.787 | 0.0 |
| 95 | 12433 | 12434 | NS | 1 | 57.373 | 58.294 | 0.0 | 0.0 | 297.942 | 3.804 | 1195.008 | 1291.376 | 48.832 | -94.344 | -91.778 | 0.0 |
| 96 | 12433 | 12434 | SN | 1 | 57.492 | 58.451 | 0.0 | 0.0 | 195.231 | 2.976 | 1209.2 | 1293.488 | 18.352 | -93.951 | -91.926 | 0.0 |
| 97 | 12434 | 12435 | NS | 1 | 57.34 | 58.297 | 0.0 | 0.0 | 286.653 | 3.287 | 1194.944 | 1290.92 | 48.731 | -93.506 | -91.811 | 0.0 |
| 98 | 12434 | 12435 | NS | 1 | 57.34 | 58.294 | 0.0 | 0.0 | 286.653 | 3.022 | 1194.944 | 1290.144 | 48.155 | -93.506 | -91.811 | 0.0 |
| 99 | 12434 | 12435 | NS | 2 | 57.34 | 58.297 | 0.0 | 0.0 | 286.653 | 3.287 | 1194.944 | 1290.92 | 48.731 | -93.506 | -91.811 | 0.0 |
| 100 | 12434 | 12435 | SN | 1 | 57.489 | 58.426 | 0.0 | 0.0 | 288.313 | 3.788 | 1208.984 | 1293.6 | 20.813 | -93.289 | -91.933 | 0.0 |
| 101 | 12434 | 12435 | NS | 1 | 57.341 | 58.292 | 0.0 | 0.0 | 286.642 | 3.283 | 1194.952 | 1290.904 | 48.697 | -93.506 | -91.811 | 0.0 |
| 102 | 12434 | 12435 | SN | 2 | 57.489 | 58.426 | 0.0 | 0.0 | 288.313 | 3.787 | 1208.984 | 1293.6 | 20.81 | -93.289 | -91.933 | 0.0 |
| 103 | 12435 | 12436 | SN | 1 | 57.481 | 58.446 | 0.0 | 0.0 | 288.115 | 3.887 | 1208.736 | 1293.648 | 21.337 | -93.547 | -91.932 | 0.0 |
| 104 | 12435 | 12436 | NS | 1 | 57.338 | 58.677 | 0.0 | 0.0 | 288.115 | 3.573 | 1195.208 | 1294.528 | 47.194 | -96.998 | -91.808 | 0.0 |
| 105 | 12435 | 12436 | NS | 1 | 57.338 | 58.68 | 0.0 | 0.0 | 288.115 | 4.537 | 1195.208 | 1294.632 | 50.015 | -96.998 | -91.808 | 0.0 |
| 106 | 12435 | 12436 | NS | 1 | 57.338 | 58.68 | 0.0 | 0.0 | 288.115 | 4.509 | 1195.208 | 1294.632 | 49.804 | -96.998 | -91.808 | 0.0 |
| 107 | 12435 | 12436 | SN | 1 | 57.481 | 58.446 | 0.0 | 0.0 | 288.115 | 3.887 | 1208.736 | 1293.648 | 21.337 | -93.547 | -91.932 | 0.0 |
| 108 | 12436 | 12437 | NS | 1 | 57.345 | 58.282 | 0.0 | 0.0 | 290.618 | 3.654 | 1195.16 | 1291.632 | 49.698 | -93.262 | -91.808 | 0.0 |

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

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|  Normal |  Deviations |
|  Alarming |  High Errors |

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|-----|-------|-------|----|---|--------|--------|-------|-------|---------|-------|----------|----------|--------|---------|---------|-----|
| 109 | 12436 | 12437 | SN | 1 | 57.473 | 58.442 | 0.0 | 0.0 | 295.444 | 3.658 | 1208.448 | 1293.768 | 21.082 | -93.306 | -91.938 | 0.0 |
| 110 | 12436 | 12437 | NS | 1 | 57.345 | 58.282 | 0.0 | 0.0 | 290.618 | 3.654 | 1195.16 | 1291.632 | 49.696 | -93.262 | -91.808 | 0.0 |
| 111 | 12436 | 12437 | NS | 1 | 57.345 | 58.286 | 0.0 | 0.003 | 290.618 | 1.983 | 1195.16 | 1285.84 | 44.437 | -93.25 | -91.808 | 0.0 |
| 112 | 12437 | 12438 | SN | 1 | 57.487 | 58.637 | 0.0 | 0.0 | 298.51 | 2.515 | 1208.936 | 1301.152 | 18.471 | -96.027 | -91.959 | 0.0 |
| 113 | 12437 | 12438 | SN | 1 | 57.487 | 58.637 | 0.0 | 0.0 | 298.51 | 4.149 | 1208.936 | 1301.152 | 21.463 | -96.027 | -91.94 | 0.0 |
| 114 | 12437 | 12438 | NS | 1 | 57.204 | 58.278 | 0.001 | 0.0 | 293.58 | 2.176 | 1195.144 | 1280.008 | 41.462 | -94.577 | -91.806 | 0.0 |
| 115 | 12437 | 12438 | NS | 1 | 57.204 | 58.284 | 0.001 | 0.0 | 293.58 | 3.281 | 1195.144 | 1291.664 | 43.334 | -95.495 | -91.806 | 0.0 |
| 116 | 12437 | 12438 | NS | 2 | 57.204 | 58.288 | 0.001 | 0.0 | 295.847 | 4.374 | 1195.144 | 1291.664 | 48.176 | -95.495 | -91.806 | 0.0 |
| 117 | 12437 | 12438 | NS | 1 | 57.204 | 58.288 | 0.001 | 0.0 | 295.847 | 4.374 | 1195.144 | 1291.664 | 48.182 | -95.495 | -91.806 | 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 | 12409 | 12410 | SN | 1 | -34.6 | 19.881 | 0.0 | -34.727 | 19.661 | 0.0 | 0.017 | 22.402 | 0.001 | 0.214 | 22.313 | 0.008 | 0.086 | 213.65 | 7.913 | 0.086 | 219.969 | 6.321 | 0.086 | 0.149 | 0.0 | 0.086 | 0.146 | 0.0 |
| 2 | 12409 | 12410 | SN | 1 | -34.6 | 19.881 | 0.0 | -34.727 | 19.66 | 0.0 | 0.017 | 22.402 | 0.001 | 0.214 | 22.313 | 0.008 | 0.086 | 213.65 | 7.625 | 0.086 | 219.969 | 6.069 | 0.086 | 0.149 | 0.0 | 0.086 | 0.146 | 0.0 |
| 3 | 12409 | 12410 | SN | 1 | -34.934 | 19.881 | 0.0 | -34.309 | 19.661 | 0.0 | 0.017 | 22.402 | 0.001 | 0.214 | 22.313 | 0.008 | 0.086 | 230.728 | 7.616 | 0.086 | 199.808 | 6.061 | 0.086 | 0.149 | 0.0 | 0.086 | 0.146 | 0.0 |
| 4 | 12409 | 12410 | NS | 1 | -34.629 | 19.13 | 0.0 | -33.056 | 19.047 | 0.0 | 0.384 | 24.427 | 0.03 | 0.344 | 24.848 | 0.089 | 0.086 | 215.127 | 3.238 | 0.086 | 149.748 | 3.379 | 0.086 | 0.143 | 0.0 | 0.086 | 0.144 | 0.0 |
| 5 | 12410 | 12411 | NS | 2 | -34.8 | 18.812 | 0.0 | -34.205 | 18.096 | 0.0 | -12.677 | 21.566 | 0.0 | -7.198 | 22.597 | 0.025 | 0.086 | 223.668 | 3.963 | 0.086 | 195.127 | 4.182 | 0.086 | 1.437 | 0.002 | 0.086 | 0.456 | 0.0 |
| 6 | 12410 | 12411 | SN | 1 | -34.722 | 19.154 | 0.0 | -34.815 | 21.072 | 0.0 | 1.628 | 21.507 | 0.0 | -2.804 | 22.195 | 0.007 | 0.086 | 219.74 | 4.006 | 0.086 | 224.5 | 3.597 | 0.086 | 0.128 | 0.0 | 0.086 | 0.213 | 0.0 |
| 7 | 12410 | 12411 | SN | 1 | -34.722 | 19.154 | 0.0 | -34.815 | 21.072 | 0.0 | 1.628 | 21.507 | 0.0 | -2.804 | 22.195 | 0.007 | 0.086 | 219.74 | 3.938 | 0.086 | 224.5 | 3.549 | 0.086 | 0.128 | 0.0 | 0.086 | 0.213 | 0.0 |
| 8 | 12410 | 12411 | SN | 1 | -34.722 | 19.154 | 0.0 | -34.815 | 21.072 | 0.0 | 1.628 | 21.507 | 0.0 | -2.804 | 22.195 | 0.007 | 0.086 | 219.74 | 3.999 | 0.086 | 224.5 | 3.593 | 0.086 | 0.128 | 0.0 | 0.086 | 0.213 | 0.0 |
| 9 | 12410 | 12411 | NS | 1 | -34.8 | 18.812 | 0.0 | -34.068 | 18.096 | 0.0 | -12.676 | 21.566 | 0.0 | -7.198 | 22.597 | 0.025 | 0.086 | 223.668 | 3.963 | 0.086 | 189.004 | 4.182 | 0.086 | 1.436 | 0.002 | 0.086 | 0.456 | 0.0 |
| 10 | 12411 | 12412 | SN | 1 | -34.697 | 18.371 | 0.0 | -34.928 | 19.613 | 0.0 | 1.041 | 21.431 | 0.0 | 1.332 | 20.715 | 0.0 | 0.086 | 218.508 | 3.981 | 0.086 | 230.432 | 3.906 | 0.086 | 0.135 | 0.0 | 0.086 | 0.131 | 0.0 |
| 11 | 12411 | 12412 | SN | 1 | -34.64 | 18.371 | 0.0 | -34.962 | 19.613 | 0.0 | 1.041 | 21.431 | 0.0 | 1.337 | 20.715 | 0.0 | 0.086 | 215.626 | 4.006 | 0.086 | 232.19 | 3.917 | 0.086 | 0.135 | 0.0 | 0.086 | 0.131 | 0.0 |
| 12 | 12411 | 12412 | SN | 1 | -34.598 | 18.371 | 0.0 | -34.962 | 19.613 | 0.0 | 1.041 | 21.431 | 0.0 | 1.337 | 20.715 | 0.0 | 0.086 | 213.544 | 3.974 | 0.086 | 232.19 | 3.896 | 0.086 | 0.135 | 0.0 | 0.086 | 0.131 | 0.0 |
| 13 | 12411 | 12412 | NS | 1 | -34.929 | 17.333 | 0.0 | -34.835 | 16.844 | 0.0 | -6.859 | 21.511 | 0.0 | -21.495 | 22.228 | 0.005 | 0.087 | 230.496 | 5.371 | 0.087 | 225.533 | 5.455 | 0.086 | 0.427 | 0.0 | 0.086 | 10.513 | 0.028 |
| 14 | 12412 | 12413 | SN | 1 | -34.625 | 17.994 | 0.0 | -34.874 | 19.12 | 0.0 | 0.356 | 22.068 | 0.006 | 0.686 | 21.612 | 0.0 | 0.086 | 214.841 | 3.176 | 0.086 | 227.585 | 2.847 | 0.086 | 0.144 | 0.0 | 0.086 | 0.139 | 0.0 |
| 15 | 12412 | 12413 | NS | 1 | -33.69 | 16.832 | 0.0 | -34.208 | 17.729 | 0.0 | -16.958 | 21.982 | 0.0 | -21.63 | 22.511 | 0.005 | 0.087 | 173.267 | 3.025 | 0.086 | 195.251 | 3.465 | 0.086 | 3.74 | 0.009 | 0.086 | 10.844 | 0.045 |
| 16 | 12412 | 12413 | NS | 1 | -34.338 | 16.832 | 0.0 | -34.55 | 17.727 | 0.0 | -16.947 | 21.98 | 0.0 | -21.65 | 22.511 | 0.005 | 0.087 | 201.164 | 3.029 | 0.086 | 211.233 | 3.46 | 0.086 | 3.731 | 0.009 | 0.086 | 10.891 | 0.045 |
| 17 | 12412 | 12413 | SN | 1 | -34.625 | 17.994 | 0.0 | -34.874 | 19.12 | 0.0 | 0.356 | 22.068 | 0.006 | 0.686 | 21.612 | 0.0 | 0.086 | 214.841 | 3.111 | 0.086 | 227.585 | 2.805 | 0.086 | 0.144 | 0.0 | 0.086 | 0.139 | 0.0 |
| 18 | 12412 | 12413 | SN | 1 | -34.625 | 17.994 | 0.0 | -34.874 | 19.12 | 0.0 | 0.356 | 22.068 | 0.006 | 0.686 | 21.612 | 0.0 | 0.086 | 214.841 | 3.111 | 0.086 | 227.585 | 2.805 | 0.086 | 0.144 | 0.0 | 0.086 | 0.139 | 0.0 |
| 19 | 12413 | 12414 | SN | 3 | -34.256 | 18.29 | 0.0 | -34.782 | 18.589 | 0.0 | -7.67 | 20.998 | 0.0 | -12.336 | 21.779 | 0.0 | 0.086 | 197.427 | 3.513 | 0.086 | 222.81 | 3.271 | 0.086 | 0.5 | 0.0 | 0.086 | 1.333 | 0.009 |
| 20 | 12413 | 12414 | NS | 1 | -34.264 | 16.493 | 0.0 | -34.898 | 16.199 | 0.0 | -13.324 | 22.851 | 0.003 | -22.331 | 22.211 | 0.007 | 0.087 | 197.738 | 3.69 | 0.087 | 228.894 | 4.09 | 0.086 | 1.657 | 0.005 | 0.086 | 12.733 | 0.007 |
| 21 | 12413 | 12414 | NS | 1 | -34.249 | 16.493 | 0.0 | -34.82 | 16.199 | 0.0 | -13.307 | 22.851 | 0.003 | -22.702 | 22.211 | 0.007 | 0.087 | 197.062 | 3.676 | 0.087 | 224.73 | 4.079 | 0.086 | 1.651 | 0.005 | 0.086 | 13.863 | 0.007 |
| 22 | 12413 | 12414 | SN | 1 | -34.256 | 18.29 | 0.0 | -34.782 | 18.589 | 0.0 | -7.67 | 20.998 | 0.0 | -12.336 | 21.779 | 0.0 | 0.086 | 197.427 | 3.513 | 0.086 | 222.81 | 3.271 | 0.086 | 0.5 | 0.0 | 0.086 | 1.333 | 0.009 |
| 23 | 12413 | 12414 | SN | 2 | -34.256 | 18.29 | 0.0 | -34.782 | 18.589 | 0.0 | -7.67 | 20.998 | 0.0 | -12.336 | 21.779 | 0.0 | 0.086 | 197.427 | 3.513 | 0.086 | 222.81 | 3.271 | 0.086 | 0.5 | 0.0 | 0.086 | 1.333 | 0.009 |
| 24 | 12414 | 12415 | SN | 1 | -34.79 | 18.864 | 0.0 | -34.773 | 18.431 | 0.0 | -23.895 | 22.218 | 0.004 | -27.642 | 22.272 | 0.021 | 0.086 | 223.218 | 3.156 | 0.086 | 222.335 | 2.739 | 0.086 | 18.222 | 0.022 | 0.086 | 43.086 | 0.031 |
| 25 | 12414 | 12415 | NS | 2 | -34.897 | 19.932 | 0.0 | -34.461 | 19.737 | 0.0 | -26.973 | 21.672 | 0.0 | -30.37 | 22.76 | 0.019 | 0.086 | 228.776 | 3.206 | 0.086 | 206.92 | 3.346 | 0.086 | 36.951 | 0.14 | 0.086 | 80.728 | 0.025 |
| 26 | 12414 | 12415 | SN | 1 | -34.555 | 18.864 | 0.0 | -34.773 | 18.431 | 0.0 | -23.895 | 22.218 | 0.004 | -27.642 | 22.272 | 0.021 | 0.086 | 211.427 | 3.248 | 0.086 | 222.335 | 2.884 | 0.086 | 18.222 | 0.024 | 0.086 | 43.086 | 0.032 |
| 27 | 12414 | 12415 | NS | 1 | -34.81 | 19.932 | 0.0 | -34.461 | 19.737 | 0.0 | -26.972 | 21.672 | 0.0 | -30.375 | 22.76 | 0.019 | 0.086 | 224.279 | 3.205 | 0.086 | 206.92 | 3.346 | 0.086 | 36.939 | 0.14 | 0.086 | 80.794 | 0.025 |
| 28 | 12414 | 12415 | SN | 1 | -34.555 | 18.864 | 0.0 | -34.773 | 18.431 | 0.0 | -23.895 | 22.218 | 0.004 | -27.642 | 22.272 | 0.021 | 0.086 | 211.427 | 3.146 | 0.086 | 222.335 | 2.742 | 0.086 | 18.222 | 0.022 | 0.086 | 43.086 | 0.031 |
| 29 | 12415 | 12416 | NS | 1 | -34.742 | 19.851 | 0.0 | -34.985 | 21.143 | 0.0 | 1.456 | 22.3 | 0.094 | 0.593 | 22.709 | 0.166 | 0.086 | 220.776 | 2.441 | 0.086 | 233.47 | 2.47 | 0.086 | 0.13 | 0.0 | 0.086 | 0.14 | 0.0 |
| 30 | 12415 | 12416 | SN | 1 | -33.707 | 16.788 | 0.0 | -34.753 | 19.704 | 0.0 | -1.598 | 22.941 | 0.056 | -30.717 | 25.518 | 0.22 | 0.087 | 173.952 | 2.814 | 0.086 | 221.356 | 2.477 | 0.086 | 0.18 | 0.0 | 0.086 | 87.427 | 0.008 |
| 31 | 12415 | 12416 | SN | 1 | -33.707 | 16.788 | 0.0 | -34.753 | 19.704 | 0.0 | -1.598 | 22.941 | 0.055 | -30.717 | 25.518 | 0.219 | 0.087 | 173.952 | 2.812 | 0.086 | 221.356 | 2.478 | 0.086 | 0.18 | 0.0 | 0.086 | 87.427 | 0.008 |
| 32 | 12415 | 12416 | SN | 1 | -33.707 | 16.788 | 0.0 | -34.753 | 19.704 | 0.0 | -1.598 | 22.941 | 0.057 | -30.717 | 25.518 | 0.22 | 0.087 | 173.952 | 2.915 | 0.086 | 221.356 | 2.629 | 0.086 | 0.18 | 0.0 | 0.086 | 87.427 | 0.008 |

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

Normal

Deviations

Alarming





High Errors

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|---------|--------|-------|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|
| 33 | 12415 | 12416 | NS | 2 | -34.608 | 19.851 | 0.0 | -34.988 | 21.143 | 0.0 | 1.456 | 22.3 | 0.094 | 0.593 | 22.709 | 0.166 | 0.086 | 214.016 | 2.441 | 0.086 | 233.666 | 2.47 | 0.086 | 0.13 | 0.0 | 0.086 | 0.14 | 0.0 |
| 34 | 12416 | 12417 | SN | 1 | -34.985 | 15.637 | 0.0 | -34.583 | 16.703 | 0.0 | -9.542 | 22.409 | 0.017 | -7.447 | 24.557 | 0.219 | 0.087 | 233.435 | 4.272 | 0.087 | 212.786 | 3.566 | 0.086 | 0.732 | 0.0 | 0.086 | 0.479 | 0.0 |
| 35 | 12416 | 12417 | SN | 1 | -34.942 | 15.637 | 0.0 | -34.83 | 18.331 | 0.0 | -9.542 | 22.409 | 0.016 | -7.448 | 24.557 | 0.307 | 0.087 | 231.123 | 3.947 | 0.086 | 225.27 | 3.047 | 0.086 | 0.732 | 0.0 | 0.086 | 0.479 | 0.0 |
| 36 | 12416 | 12417 | SN | 2 | -34.985 | 15.637 | 0.0 | -34.583 | 18.328 | 0.0 | -9.542 | 22.409 | 0.016 | -7.447 | 24.557 | 0.307 | 0.087 | 233.435 | 3.949 | 0.086 | 212.786 | 3.046 | 0.086 | 0.732 | 0.0 | 0.086 | 0.479 | 0.0 |
| 37 | 12416 | 12417 | NS | 1 | -34.665 | 20.269 | 0.0 | -34.52 | 20.716 | 0.0 | -4.641 | 22.932 | 0.154 | -5.264 | 23.703 | 0.327 | 0.086 | 216.897 | 2.451 | 0.086 | 209.745 | 2.683 | 0.086 | 0.285 | 0.0 | 0.086 | 0.318 | 0.0 |
| 38 | 12416 | 12417 | NS | 1 | -34.523 | 20.269 | 0.0 | -34.583 | 20.716 | 0.0 | -4.641 | 22.932 | 0.155 | -5.261 | 23.703 | 0.312 | 0.086 | 209.857 | 2.446 | 0.086 | 212.84 | 2.67 | 0.086 | 0.285 | 0.0 | 0.086 | 0.318 | 0.0 |
| 39 | 12417 | 12418 | NS | 1 | -34.872 | 21.31 | 0.0 | -34.618 | 19.513 | 0.0 | -0.677 | 23.094 | 0.265 | -6.381 | 23.493 | 0.625 | 0.086 | 227.447 | 4.544 | 0.086 | 214.547 | 4.291 | 0.086 | 0.161 | 0.0 | 0.086 | 0.39 | 0.0 |
| 40 | 12417 | 12418 | NS | 1 | -34.872 | 21.31 | 0.0 | -34.618 | 19.513 | 0.0 | -0.677 | 23.094 | 0.264 | -6.381 | 23.493 | 0.634 | 0.086 | 227.447 | 4.54 | 0.086 | 214.547 | 4.293 | 0.086 | 0.161 | 0.0 | 0.086 | 0.39 | 0.0 |
| 41 | 12417 | 12418 | SN | 1 | -34.623 | 16.097 | 0.0 | -34.75 | 18.886 | 0.0 | -32.643 | 22.306 | 0.003 | -7.69 | 23.28 | 0.195 | 0.087 | 214.803 | 5.456 | 0.086 | 221.195 | 4.443 | 0.086 | 136.185 | 0.034 | 0.086 | 0.502 | 0.0 |
| 42 | 12418 | 12419 | SN | 1 | -34.939 | 16.395 | 0.0 | -34.728 | 19.137 | 0.0 | -28.485 | 22.743 | 0.004 | -33.803 | 23.246 | 0.146 | 0.087 | 230.977 | 4.693 | 0.086 | 220.039 | 3.891 | 0.086 | 52.317 | 0.123 | 0.086 | 177.886 | 0.127 |
| 43 | 12418 | 12419 | NS | 1 | -34.923 | 21.23 | 0.0 | -34.584 | 21.439 | 0.0 | -0.167 | 22.235 | 0.005 | -8.115 | 23.682 | 0.437 | 0.086 | 230.19 | 3.287 | 0.086 | 212.873 | 3.426 | 0.086 | 0.152 | 0.0 | 0.086 | 0.546 | 0.0 |
| 44 | 12418 | 12419 | NS | 1 | -34.923 | 21.23 | 0.0 | -34.584 | 21.439 | 0.0 | -0.136 | 22.235 | 0.005 | -8.097 | 23.682 | 0.437 | 0.086 | 230.19 | 3.294 | 0.086 | 212.873 | 3.43 | 0.086 | 0.151 | 0.0 | 0.086 | 0.544 | 0.0 |
| 45 | 12419 | 12420 | NS | 1 | -34.984 | 22.772 | 0.001 | -34.806 | 19.161 | 0.0 | 0.265 | 22.104 | 0.007 | 0.107 | 23.283 | 0.4 | 0.086 | 233.359 | 3.233 | 0.086 | 223.981 | 4.268 | 0.086 | 0.145 | 0.0 | 0.086 | 0.148 | 0.0 |
| 46 | 12419 | 12420 | NS | 1 | -34.666 | 22.771 | 0.001 | -34.238 | 19.161 | 0.0 | 0.268 | 22.104 | 0.007 | 0.096 | 23.283 | 0.4 | 0.086 | 216.976 | 3.227 | 0.086 | 196.551 | 4.263 | 0.086 | 0.145 | 0.0 | 0.086 | 0.148 | 0.0 |
| 47 | 12420 | 12421 | SN | 1 | -33.735 | 17.226 | 0.0 | -34.362 | 19.692 | 0.0 | -22.36 | 24.466 | 0.009 | -20.272 | 23.448 | 0.207 | 0.087 | 175.089 | 3.027 | 0.086 | 202.266 | 2.843 | 0.086 | 12.815 | 0.006 | 0.086 | 7.948 | 0.006 |
| 48 | 12421 | 12422 | NS | 1 | -34.768 | 19.489 | 0.0 | -34.448 | 21.661 | 0.0 | 1.674 | 22.044 | 0.007 | 1.69 | 23.569 | 0.453 | 0.086 | 222.149 | 1.814 | 0.086 | 206.304 | 2.044 | 0.086 | 0.128 | 0.0 | 0.086 | 0.127 | 0.0 |
| 49 | 12421 | 12422 | SN | 1 | -33.022 | 18.581 | 0.0 | -34.164 | 19.796 | 0.0 | -20.581 | 22.845 | 0.031 | -21.297 | 23.615 | 1.085 | 0.086 | 148.61 | 2.823 | 0.086 | 193.22 | 2.51 | 0.086 | 8.531 | 0.051 | 0.086 | 10.049 | 0.093 |
| 50 | 12422 | 12423 | SN | 1 | -34.98 | 18.549 | 0.0 | -34.956 | 19.878 | 0.0 | -1.129 | 22.902 | 0.25 | 4.4 | 23.396 | 1.188 | 0.086 | 233.183 | 5.286 | 0.086 | 231.887 | 5.07 | 0.086 | 0.17 | 0.0 | 0.086 | 0.107 | 0.0 |
| 51 | 12422 | 12423 | NS | 1 | -34.147 | 19.164 | 0.0 | -34.665 | 19.54 | 0.0 | 1.309 | 22.52 | 0.036 | 2.268 | 22.958 | 0.377 | 0.086 | 192.489 | 2.106 | 0.086 | 216.905 | 1.801 | 0.086 | 0.132 | 0.0 | 0.086 | 0.122 | 0.0 |
| 52 | 12422 | 12423 | SN | 1 | -34.98 | 14.491 | 0.0 | -34.956 | 15.147 | 0.0 | -1.129 | 22.791 | 0.217 | 4.4 | 23.396 | 1.134 | 0.088 | 233.183 | 5.412 | 0.087 | 231.887 | 5.463 | 0.086 | 0.17 | 0.0 | 0.086 | 0.107 | 0.0 |
| 53 | 12422 | 12423 | NS | 1 | -34.147 | 18.631 | 0.0 | -33.291 | 19.558 | 0.0 | 2.361 | 21.618 | 0.0 | 2.636 | 21.035 | 0.0 | 0.086 | 192.489 | 1.376 | 0.086 | 158.099 | 1.792 | 0.086 | 0.121 | 0.0 | 0.086 | 0.119 | 0.0 |
| 54 | 12423 | 12424 | SN | 1 | -34.256 | 20.291 | 0.0 | -34.872 | 21.095 | 0.0 | -6.646 | 21.833 | 0.0 | 0.975 | 22.585 | 0.009 | 0.086 | 197.384 | 2.02 | 0.086 | 227.45 | 1.693 | 0.086 | 0.41 | 0.0 | 0.086 | 0.136 | 0.0 |
| 55 | 12423 | 12424 | NS | 1 | -34.246 | 21.227 | 0.0 | -34.445 | 19.415 | 0.0 | 0.512 | 23.015 | 0.085 | -0.405 | 23.006 | 0.161 | 0.086 | 196.901 | 2.19 | 0.086 | 206.185 | 2.418 | 0.086 | 0.142 | 0.0 | 0.086 | 0.156 | 0.0 |
| 56 | 12423 | 12424 | SN | 1 | -34.256 | 20.291 | 0.0 | -34.872 | 21.095 | 0.0 | -6.646 | 21.833 | 0.0 | 0.975 | 22.585 | 0.009 | 0.086 | 197.384 | 2.096 | 0.086 | 227.45 | 1.868 | 0.086 | 0.41 | 0.0 | 0.086 | 0.136 | 0.0 |
| 57 | 12424 | 12425 | SN | 1 | -34.807 | 19.503 | 0.0 | -33.319 | 20.696 | 0.0 | 1.99 | 21.613 | 0.0 | 1.62 | 21.986 | 0.0 | 0.086 | 224.102 | 4.755 | 0.086 | 159.071 | 4.104 | 0.086 | 0.124 | 0.0 | 0.086 | 0.128 | 0.0 |
| 58 | 12424 | 12425 | SN | 2 | -34.807 | 19.503 | 0.0 | -33.319 | 20.696 | 0.0 | 1.99 | 21.613 | 0.0 | 1.62 | 21.986 | 0.0 | 0.086 | 224.102 | 4.755 | 0.086 | 159.071 | 4.104 | 0.086 | 0.124 | 0.0 | 0.086 | 0.128 | 0.0 |
| 59 | 12424 | 12425 | SN | 3 | -34.807 | 19.503 | 0.0 | -33.319 | 20.696 | 0.0 | 1.99 | 21.613 | 0.0 | 1.62 | 21.986 | 0.0 | 0.086 | 224.102 | 4.755 | 0.086 | 159.071 | 4.104 | 0.086 | 0.124 | 0.0 | 0.086 | 0.128 | 0.0 |
| 60 | 12424 | 12425 | NS | 1 | -34.869 | 19.124 | 0.0 | -34.609 | 19.349 | 0.0 | -9.099 | 22.792 | 0.013 | -11.335 | 24.52 | 0.059 | 0.086 | 227.338 | 3.218 | 0.086 | 214.11 | 3.39 | 0.086 | 0.668 | 0.0 | 0.086 | 1.072 | 0.002 |
| 61 | 12424 | 12425 | NS | 1 | -34.943 | 19.124 | 0.0 | -34.472 | 19.349 | 0.0 | -9.178 | 22.792 | 0.013 | -11.364 | 24.52 | 0.059 | 0.086 | 231.2 | 3.224 | 0.086 | 207.469 | 3.382 | 0.086 | 0.679 | 0.0 | 0.086 | 1.079 | 0.002 |
| 62 | 12425 | 12426 | NS | 1 | -33.997 | 17.01 | 0.0 | -33.375 | 17.248 | 0.0 | -22.406 | 21.671 | 0.0 | -24.558 | 22.678 | 0.03 | 0.087 | 185.954 | 2.902 | 0.087 | 161.159 | 2.97 | 0.086 | 12.955 | 0.002 | 0.086 | 21.223 | 0.044 |
| 63 | 12425 | 12426 | SN | 1 | -34.581 | 18.906 | 0.0 | -34.984 | 19.712 | 0.0 | 1.382 | 21.634 | 0.0 | 1.718 | 21.655 | 0.0 | 0.086 | 212.758 | 4.989 | 0.086 | 233.346 | 4.567 | 0.086 | 0.131 | 0.0 | 0.086 | 0.127 | 0.0 |
| 64 | 12425 | 12426 | SN | 1 | -34.581 | 18.926 | 0.0 | -34.984 | 19.712 | 0.0 | 1.382 | 21.634 | 0.0 | 1.718 | 21.655 | 0.0 | 0.086 | 212.758 | 4.987 | 0.086 | 233.346 | 4.571 | 0.086 | 0.131 | 0.0 | 0.086 | 0.127 | 0.0 |
| 65 | 12425 | 12426 | SN | 1 | -34.581 | 18.926 | 0.0 | -34.984 | 19.712 | 0.0 | 1.382 | 21.634 | 0.0 | 1.718 | 21.655 | 0.0 | 0.086 | 212.758 | 4.987 | 0.086 | 233.346 | 4.571 | 0.086 | 0.131 | 0.0 | 0.086 | 0.127 | 0.0 |
| 66 | 12426 | 12427 | SN | 1 | -34.963 | 19.052 | 0.0 | -34.68 | 19.607 | 0.0 | -0.015 | 21.174 | 0.0 | 0.837 | 20.713 | 0.0 | 0.086 | 232.308 | 4.66 | 0.086 | 217.666 | 4.331 | 0.086 | 0.149 | 0.0 | 0.086 | 0.137 | 0.0 |
| 67 | 12426 | 12427 | SN | 1 | -34.991 | 19.052 | 0.0 | -34.894 | 19.607 | 0.0 | -0.015 | 21.174 | 0.0 | 0.837 | 20.713 | 0.0 | 0.086 | 233.84 | 4.744 | 0.086 | 228.638 | 4.386 | 0.086 | 0.149 | 0.0 | 0.086 | 0.137 | 0.0 |
| 68 | 12426 | 12427 | SN | 1 | -34.991 | 19.052 | 0.0 | -34.894 | 19.607 | 0.0 | -0.015 | 21.174 | 0.0 | 0.837 | 20.713 | 0.0 | 0.086 | 233.84 | 4.665 | 0.086 | 228.638 | 4.333 | 0.086 | 0.149 | 0.0 | 0.086 | 0.137 | 0.0 |
| 69 | 12426 | 12427 | NS | 1 | -34.837 | 18.263 | 0.0 | -34.686 | 17.266 | 0.0 | -24.227 | 21.405 | 0.0 | -31.494 | 22.461 | 0.005 | 0.086 | 225.648 | 3.944 | 0.087 | 217.933 | 3.236 | 0.086 | 19.665 | 0.096 | 0.086 | 104.522 | 0.061 |

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

Normal
 Deviations
 Alarming
 High Errors

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|---------|--------|-----|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|-------|-------|-------|--------|-------|
| 107 | 12435 | 12436 | SN | 1 | -34.786 | 17.283 | 0.0 | -34.974 | 20.068 | 0.0 | -20.316 | 22.031 | 0.002 | -21.976 | 23.68 | 0.398 | 0.087 | 222.974 | 3.444 | 0.086 | 232.862 | 2.993 | 0.086 | 8.03 | 0.029 | 0.086 | 11.739 | 0.074 |
| 108 | 12436 | 12437 | NS | 1 | -34.953 | 18.923 | 0.0 | -34.642 | 19.115 | 0.0 | 1.742 | 21.999 | 0.0 | 1.731 | 22.828 | 0.425 | 0.086 | 231.728 | 1.508 | 0.086 | 215.733 | 1.53 | 0.086 | 0.127 | 0.0 | 0.086 | 0.127 | 0.0 |
| 109 | 12436 | 12437 | SN | 1 | -34.95 | 18.12 | 0.0 | -34.719 | 19.884 | 0.0 | 1.306 | 22.888 | 0.185 | 1.532 | 23.85 | 2.209 | 0.086 | 231.602 | 3.716 | 0.086 | 219.756 | 3.313 | 0.086 | 0.132 | 0.0 | 0.086 | 0.129 | 0.0 |
| 110 | 12436 | 12437 | NS | 1 | -34.953 | 18.923 | 0.0 | -34.642 | 19.115 | 0.0 | 1.742 | 21.999 | 0.0 | 1.731 | 22.828 | 0.425 | 0.086 | 231.728 | 1.508 | 0.086 | 215.733 | 1.53 | 0.086 | 0.127 | 0.0 | 0.086 | 0.127 | 0.0 |
| 111 | 12436 | 12437 | NS | 1 | -34.953 | 18.838 | 0.0 | -34.438 | 19.115 | 0.0 | 7.966 | 21.982 | 0.0 | 2.892 | 22.834 | 0.152 | 0.086 | 231.728 | 1.437 | 0.086 | 211.088 | 1.528 | 0.086 | 0.095 | 0.0 | 0.086 | 0.117 | 0.0 |
| 112 | 12437 | 12438 | SN | 1 | -34.168 | 16.72 | 0.0 | -34.188 | 19.955 | 0.0 | 1.9 | 21.824 | 0.0 | 3.928 | 23.112 | 0.176 | 0.087 | 193.417 | 2.654 | 0.086 | 194.341 | 2.109 | 0.086 | 0.125 | 0.0 | 0.086 | 0.13 | 0.0 |
| 113 | 12437 | 12438 | SN | 1 | -34.835 | 18.148 | 0.0 | -34.88 | 19.954 | 0.0 | 1.888 | 22.729 | 0.064 | 3.418 | 23.116 | 0.197 | 0.086 | 225.518 | 2.642 | 0.086 | 227.843 | 2.477 | 0.086 | 0.125 | 0.0 | 0.086 | 0.13 | 0.0 |
| 114 | 12437 | 12438 | NS | 1 | -32.558 | 20.582 | 0.0 | -33.178 | 19.432 | 0.0 | 2.76 | 22.013 | 0.004 | -0.475 | 19.233 | 0.0 | 0.086 | 133.535 | 1.025 | 0.086 | 154.005 | 1.516 | 0.086 | 0.12 | 0.0 | 0.086 | 0.157 | 0.0 |
| 115 | 12437 | 12438 | NS | 1 | -32.377 | 20.582 | 0.0 | -33.764 | 19.432 | 0.0 | 1.139 | 22.013 | 0.004 | -0.475 | 22.667 | 0.096 | 0.086 | 128.099 | 1.066 | 0.086 | 176.288 | 1.516 | 0.086 | 0.134 | 0.0 | 0.086 | 0.157 | 0.0 |
| 116 | 12437 | 12438 | NS | 2 | -33.788 | 20.582 | 0.0 | -34.776 | 19.432 | 0.0 | 1.094 | 22.557 | 0.056 | -0.475 | 23.321 | 0.245 | 0.086 | 177.215 | 1.387 | 0.086 | 222.522 | 1.569 | 0.086 | 0.134 | 0.0 | 0.086 | 0.157 | 0.0 |
| 117 | 12437 | 12438 | NS | 1 | -33.788 | 20.582 | 0.0 | -34.779 | 19.432 | 0.0 | 1.094 | 22.557 | 0.056 | -0.475 | 23.321 | 0.245 | 0.086 | 177.215 | 1.387 | 0.086 | 222.695 | 1.568 | 0.086 | 0.134 | 0.0 | 0.086 | 0.157 | 0.0 |

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