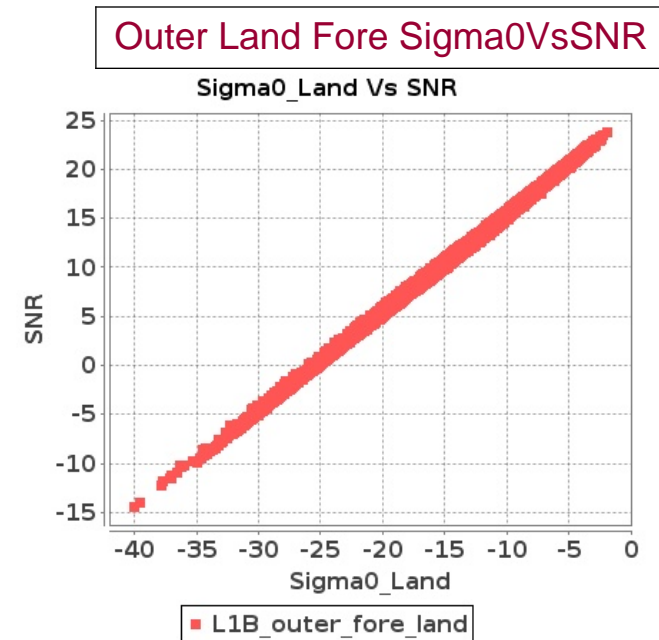
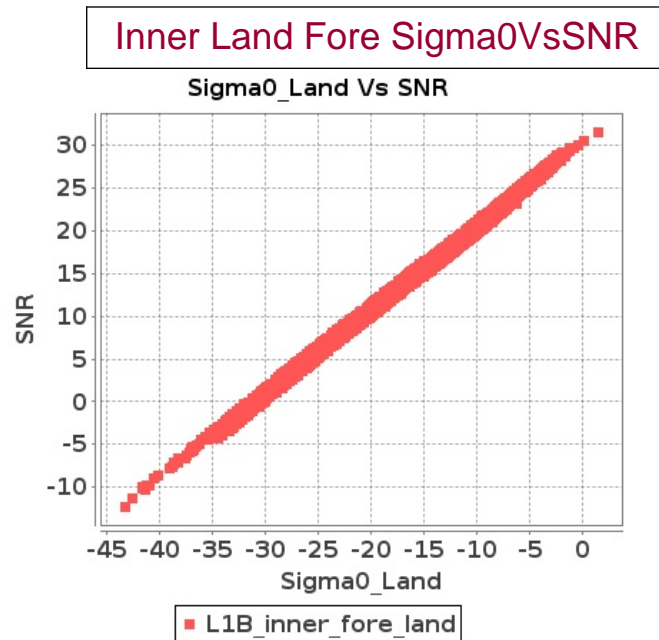
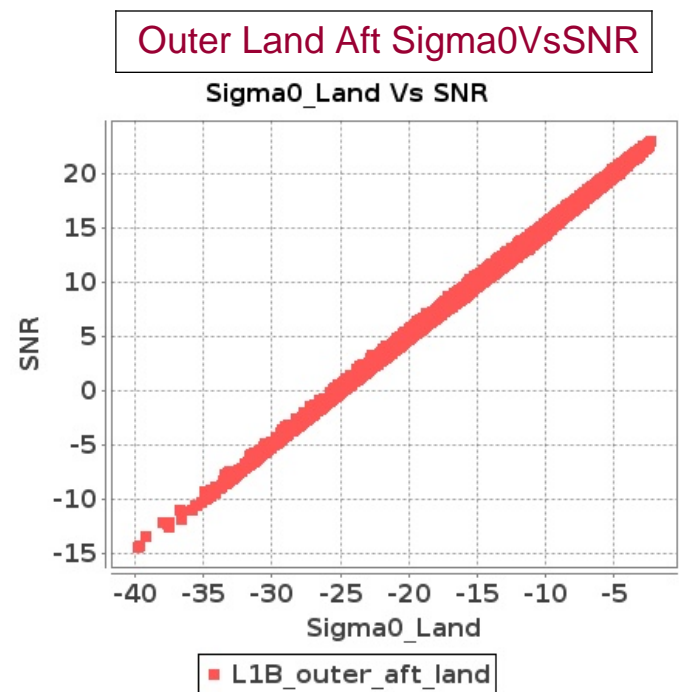
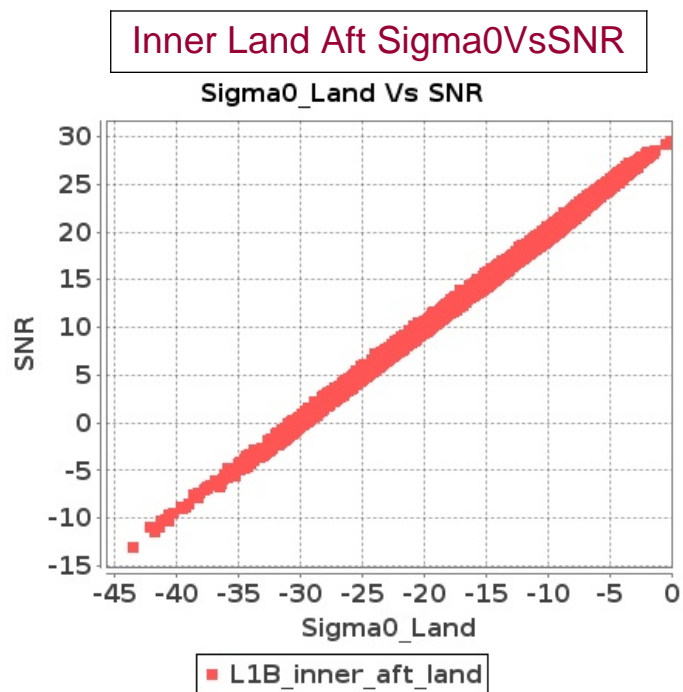
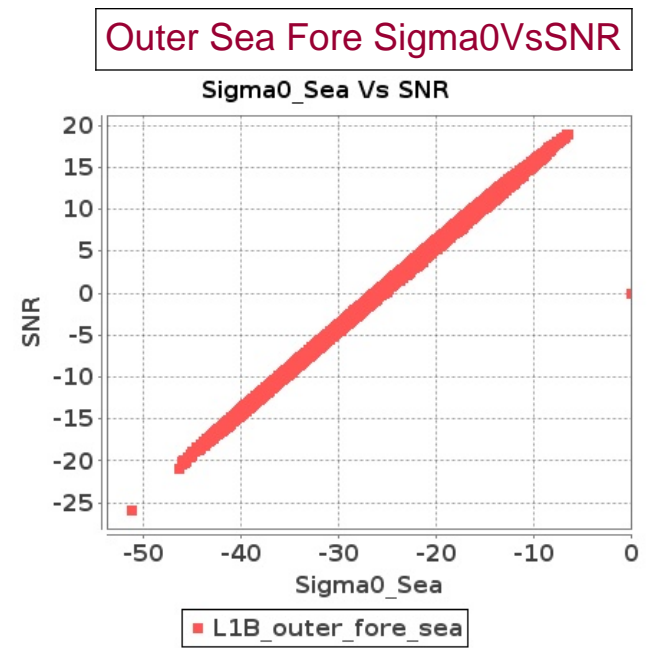
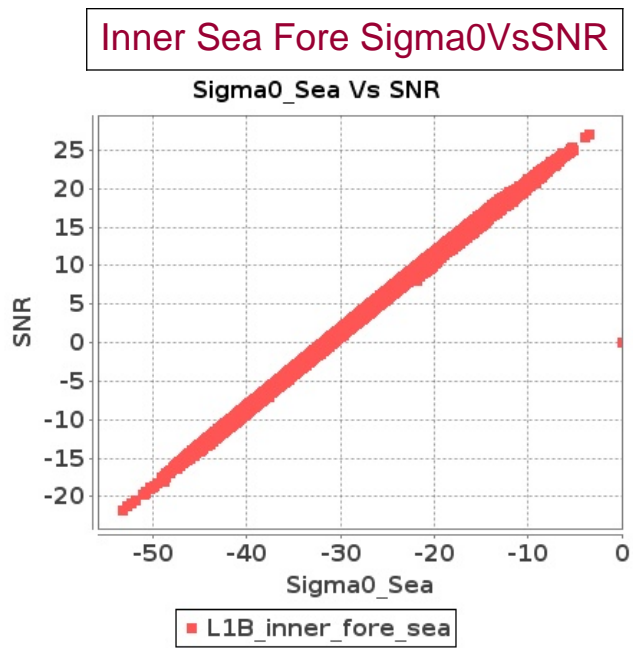
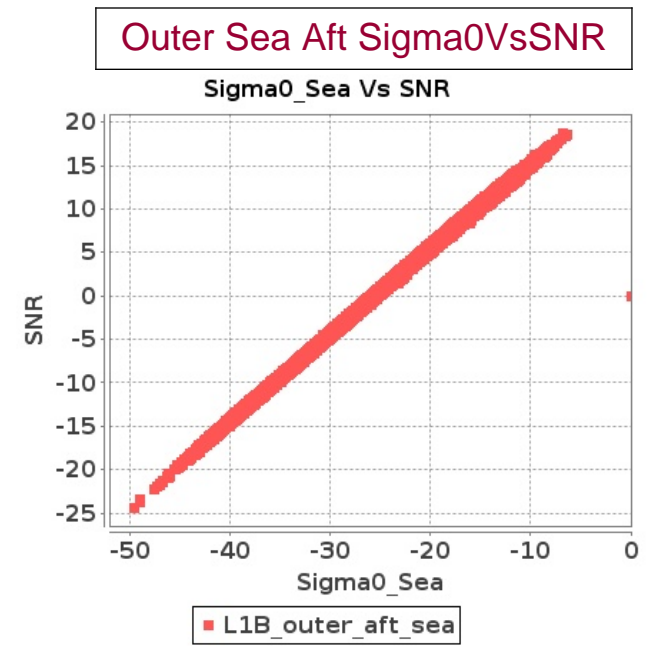
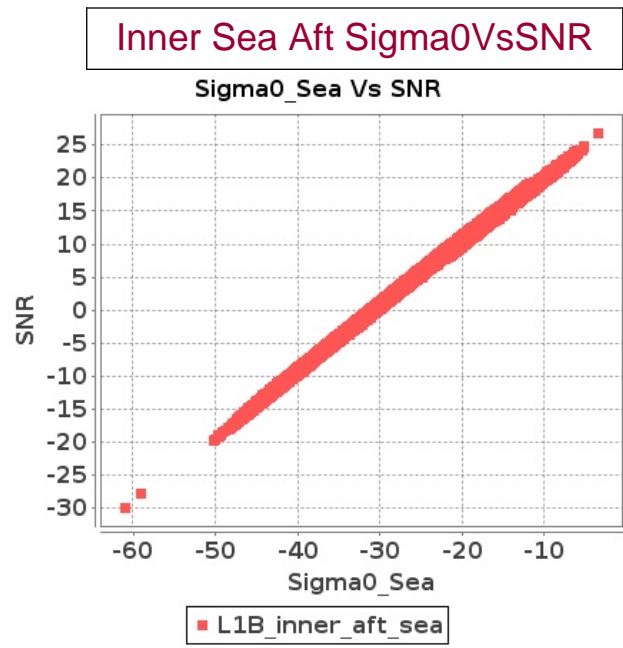
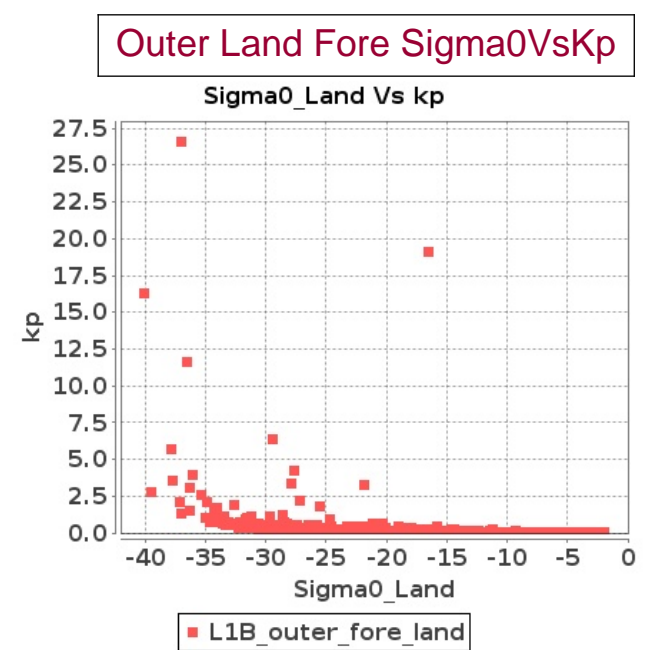
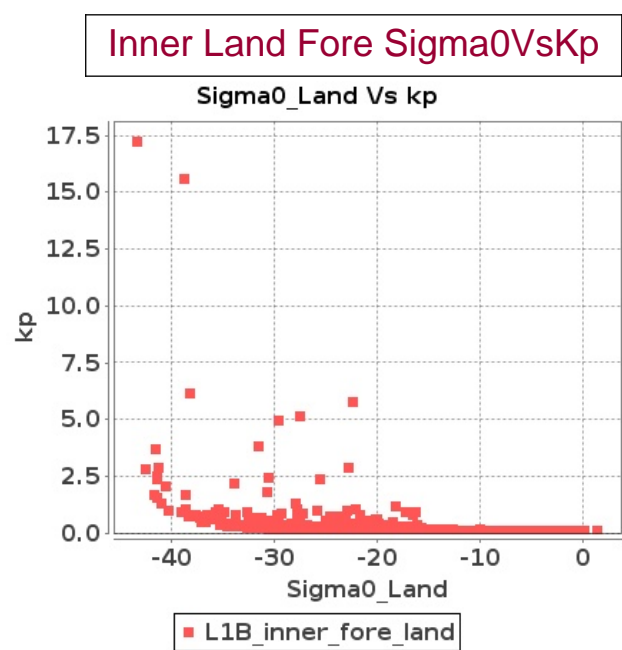
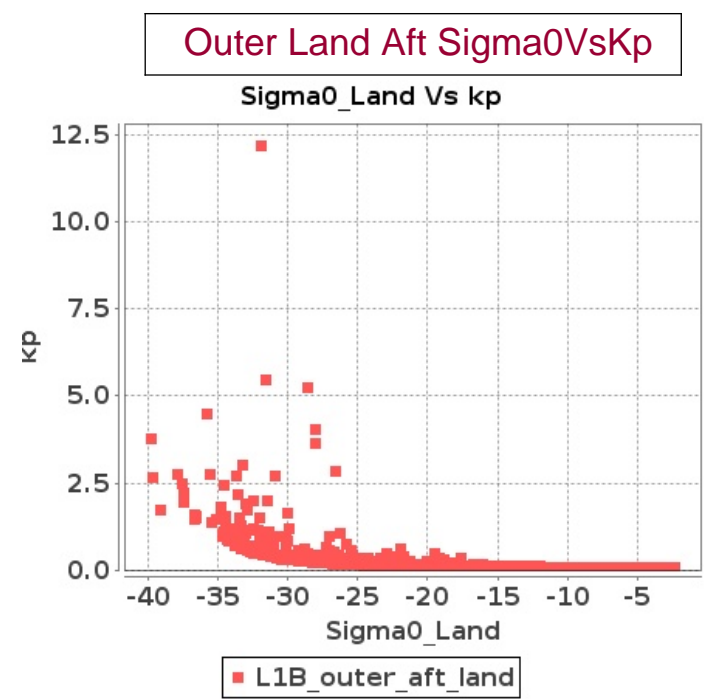
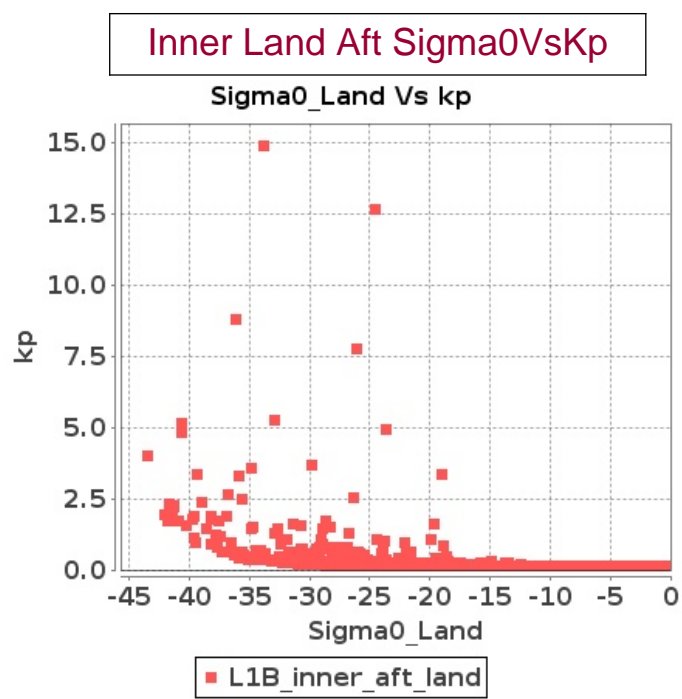
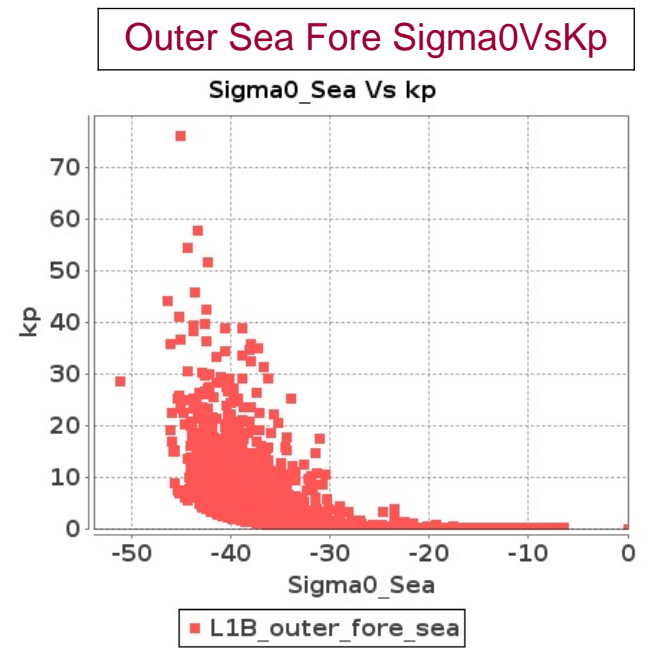
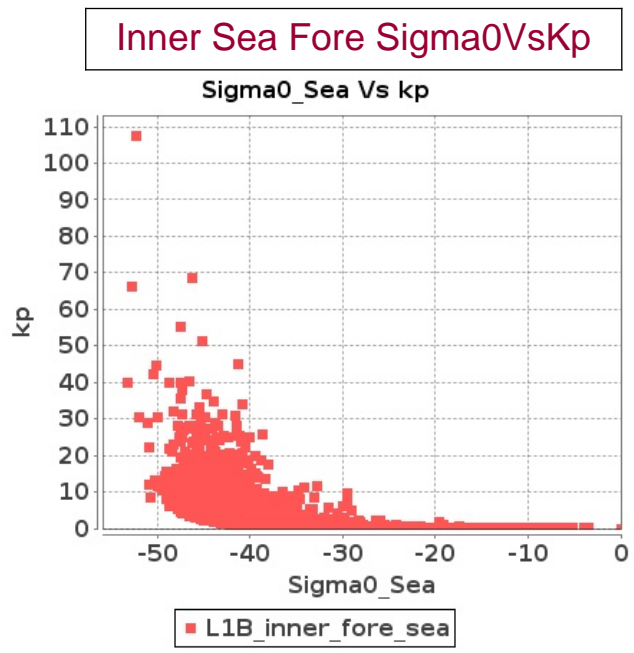
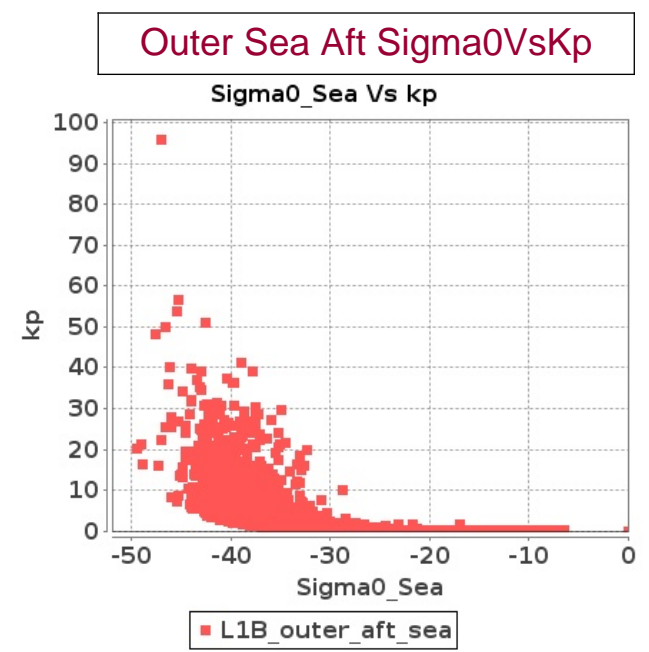
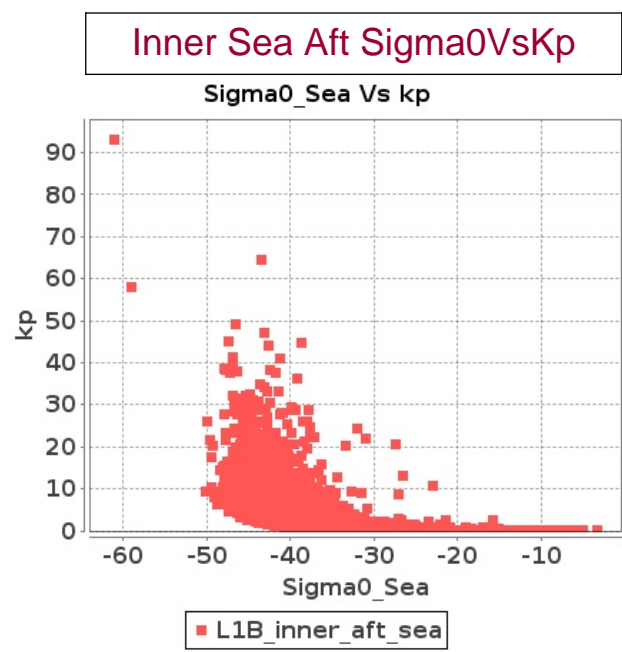


SCATSAT-1 Scatterometer Level-1B Data Quality Cycle wise Report

Report between 06-JAN-2019 To 07-JAN-2019





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

Report between 06-JAN-2019 To 07-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 | 12061 | 12062 | SN | 1 | 48.879 | 49.466 | 0.0 | 0.003 | 5.945 | 2.625 | 1054.776 | 1082.48 | 0.0 | -91.757 | -90.074 | 0.0 |
| 2 | 12061 | 12062 | NS | 1 | 48.614 | 49.281 | 0.0 | 0.0 | 61.183 | 2.835 | 1016.816 | 1076.992 | 23.939 | -91.67 | -89.708 | 0.0 |
| 3 | 12061 | 12062 | NS | 2 | 48.614 | 49.281 | 0.0 | 0.0 | 61.183 | 2.835 | 1016.816 | 1076.992 | 23.938 | -91.67 | -89.708 | 0.0 |
| 4 | 12061 | 12062 | SN | 1 | 48.882 | 49.466 | 0.0 | 0.003 | 5.945 | 2.622 | 1054.776 | 1082.48 | 0.0 | -92.141 | -90.074 | 0.0 |
| 5 | 12062 | 12063 | SN | 1 | 48.878 | 49.471 | 0.0 | 0.003 | 5.156 | 2.114 | 1054.384 | 1082.64 | 0.0 | -91.719 | -90.088 | 0.0 |
| 6 | 12062 | 12063 | SN | 1 | 48.85 | 49.471 | 0.0 | 0.003 | 5.156 | 2.117 | 1054.008 | 1082.64 | 0.0 | -91.719 | -90.088 | 0.0 |
| 7 | 12062 | 12063 | NS | 2 | 48.665 | 49.252 | 0.0 | 0.0 | 210.767 | 2.596 | 1017.112 | 1077.264 | 24.424 | -91.694 | -89.714 | 0.0 |
| 8 | 12062 | 12063 | NS | 1 | 48.665 | 49.252 | 0.0 | 0.0 | 210.767 | 2.596 | 1017.112 | 1077.264 | 24.424 | -91.694 | -89.714 | 0.0 |
| 9 | 12062 | 12063 | SN | 1 | 48.85 | 49.471 | 0.0 | 0.003 | 5.195 | 2.243 | 1054.008 | 1082.64 | 0.0 | -91.719 | -90.088 | 0.0 |
| 10 | 12063 | 12064 | SN | 1 | 48.832 | 49.484 | 0.0 | 0.003 | 6.094 | 2.466 | 1054.88 | 1082.688 | 0.0 | -91.758 | -90.095 | 0.0 |
| 11 | 12063 | 12064 | NS | 1 | 48.664 | 49.281 | 0.0 | 0.003 | 207.132 | 2.665 | 1016.896 | 1077.336 | 24.608 | -91.616 | -89.723 | 0.0 |
| 12 | 12063 | 12064 | SN | 1 | 48.832 | 49.48 | 0.0 | 0.003 | 6.089 | 2.467 | 1054.888 | 1082.696 | 0.0 | -91.758 | -90.095 | 0.0 |
| 13 | 12063 | 12064 | SN | 1 | 48.832 | 49.484 | 0.0 | 0.003 | 6.094 | 2.292 | 1054.88 | 1082.688 | 0.0 | -91.758 | -90.104 | 0.0 |
| 14 | 12063 | 12064 | NS | 1 | 48.664 | 49.284 | 0.0 | 0.003 | 207.132 | 2.763 | 1016.928 | 1077.344 | 24.565 | -91.591 | -89.723 | 0.0 |
| 15 | 12064 | 12065 | NS | 1 | 48.606 | 49.28 | 0.0 | 0.003 | 210.656 | 2.697 | 1018.0 | 1077.312 | 24.305 | -91.526 | -89.706 | 0.0 |
| 16 | 12064 | 12065 | SN | 1 | 48.877 | 49.478 | 0.0 | 0.003 | 6.293 | 2.259 | 1054.856 | 1083.504 | 0.0 | -91.84 | -90.085 | 0.0 |
| 17 | 12064 | 12065 | SN | 2 | 48.877 | 49.478 | 0.0 | 0.003 | 6.293 | 2.545 | 1054.856 | 1083.504 | 0.0 | -91.84 | -90.085 | 0.0 |
| 18 | 12064 | 12065 | NS | 1 | 48.605 | 49.243 | 0.0 | 0.003 | 210.662 | 2.695 | 1017.4 | 1077.32 | 24.29 | -91.526 | -89.705 | 0.0 |
| 19 | 12064 | 12065 | SN | 1 | 48.877 | 49.478 | 0.0 | 0.003 | 6.293 | 2.545 | 1054.856 | 1083.504 | 0.0 | -91.84 | -90.085 | 0.0 |
| 20 | 12065 | 12066 | SN | 1 | 48.87 | 49.512 | 0.0 | 0.0 | 103.632 | 2.224 | 1054.008 | 1083.688 | 0.0 | -91.825 | -90.11 | 0.0 |
| 21 | 12065 | 12066 | SN | 1 | 48.87 | 49.512 | 0.0 | 0.0 | 103.632 | 2.663 | 1054.008 | 1083.688 | 0.0 | -91.825 | -90.094 | 0.0 |
| 22 | 12065 | 12066 | NS | 2 | 48.63 | 49.291 | 0.0 | 0.003 | 269.419 | 2.696 | 1017.944 | 1077.28 | 25.648 | -91.568 | -89.717 | 0.0 |
| 23 | 12065 | 12066 | SN | 1 | 48.87 | 49.512 | 0.0 | 0.0 | 280.245 | 2.66 | 1054.176 | 1083.696 | 0.0 | -91.825 | -90.094 | 0.0 |
| 24 | 12065 | 12066 | NS | 1 | 48.63 | 49.291 | 0.0 | 0.003 | 42.408 | 2.697 | 1017.936 | 1077.288 | 25.653 | -91.569 | -89.716 | 0.0 |
| 25 | 12066 | 12067 | SN | 2 | 48.875 | 49.496 | 0.0 | 0.003 | 6.309 | 2.612 | 1054.328 | 1082.848 | 0.0 | -91.806 | -90.094 | 0.0 |
| 26 | 12066 | 12067 | SN | 1 | 48.875 | 49.496 | 0.0 | 0.003 | 6.309 | 1.893 | 1054.328 | 1082.848 | 0.0 | -91.806 | -90.113 | 0.0 |
| 27 | 12066 | 12067 | NS | 1 | 48.638 | 49.25 | 0.0 | 0.003 | 14.708 | 2.634 | 1017.864 | 1077.2 | 25.754 | -91.795 | -89.715 | 0.0 |
| 28 | 12066 | 12067 | SN | 1 | 48.875 | 49.496 | 0.0 | 0.003 | 6.309 | 2.612 | 1054.328 | 1082.848 | 0.0 | -91.806 | -90.094 | 0.0 |
| 29 | 12066 | 12067 | NS | 1 | 48.638 | 49.28 | 0.0 | 0.003 | 14.708 | 2.637 | 1017.864 | 1077.2 | 25.781 | -91.667 | -89.715 | 0.0 |
| 30 | 12067 | 12068 | NS | 1 | 48.613 | 49.242 | 0.0 | 0.003 | 206.647 | 2.642 | 1016.752 | 1077.312 | 25.817 | -91.617 | -89.716 | 0.0 |
| 31 | 12067 | 12068 | NS | 1 | 48.613 | 49.252 | 0.0 | 0.003 | 206.647 | 2.64 | 1016.752 | 1077.312 | 25.789 | -91.628 | -89.716 | 0.0 |
| 32 | 12067 | 12068 | SN | 2 | 48.881 | 49.519 | 0.0 | 0.003 | 6.298 | 2.655 | 1054.176 | 1083.2 | 0.0 | -91.852 | -90.094 | 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 | 12067 | 12068 | SN | 1 | 48.881 | 49.518 | 0.0 | 0.003 | 6.298 | 2.654 | 1054.168 | 1083.192 | 0.0 | -91.852 | -90.094 | 0.0 |
| 34 | 12067 | 12068 | SN | 1 | 48.881 | 49.519 | 0.0 | 0.003 | 6.298 | 2.013 | 1054.176 | 1083.2 | 0.0 | -91.852 | -90.094 | 0.0 |
| 35 | 12068 | 12069 | SN | 1 | 48.875 | 49.483 | 0.0 | 0.003 | 6.298 | 1.529 | 1054.864 | 1082.984 | 0.0 | -91.78 | -90.08 | 0.0 |
| 36 | 12068 | 12069 | NS | 1 | 48.595 | 49.28 | 0.0 | 0.003 | 267.433 | 2.616 | 1017.52 | 1077.536 | 26.194 | -91.673 | -89.713 | 0.0 |
| 37 | 12068 | 12069 | NS | 1 | 48.599 | 49.29 | 0.0 | 0.003 | 267.433 | 2.618 | 1017.52 | 1077.536 | 26.166 | -91.672 | -89.713 | 0.0 |
| 38 | 12068 | 12069 | SN | 2 | 48.875 | 49.483 | 0.0 | 0.003 | 6.298 | 2.593 | 1054.864 | 1082.984 | 0.0 | -91.78 | -90.08 | 0.0 |
| 39 | 12068 | 12069 | SN | 1 | 48.875 | 49.483 | 0.0 | 0.003 | 6.298 | 2.593 | 1054.864 | 1082.984 | 0.0 | -91.78 | -90.08 | 0.0 |
| 40 | 12069 | 12070 | NS | 1 | 48.619 | 49.276 | 0.0 | 0.0 | 267.279 | 2.903 | 1017.632 | 1078.072 | 25.474 | -91.613 | -89.703 | 0.0 |
| 41 | 12069 | 12070 | SN | 1 | 48.893 | 49.518 | 0.0 | 0.0 | 133.805 | 2.565 | 1055.128 | 1083.44 | 0.0 | -92.374 | -90.062 | 0.0 |
| 42 | 12070 | 12071 | SN | 1 | 48.877 | 49.468 | 0.0 | 0.003 | 5.543 | 2.342 | 1054.56 | 1083.024 | 0.0 | -91.854 | -90.09 | 0.0 |
| 43 | 12070 | 12071 | SN | 1 | 48.871 | 49.524 | 0.0 | 0.003 | 5.543 | 2.231 | 1054.56 | 1083.16 | 0.0 | -91.774 | -90.092 | 0.0 |
| 44 | 12070 | 12071 | NS | 1 | 48.662 | 49.282 | 0.0 | 0.0 | 270.45 | 2.765 | 1017.432 | 1077.568 | 26.758 | -91.621 | -89.707 | 0.0 |
| 45 | 12071 | 12072 | SN | 1 | 48.795 | 49.486 | 0.0 | 0.0 | 9.767 | 2.722 | 1054.656 | 1083.128 | 0.0 | -92.526 | -90.078 | 0.0 |
| 46 | 12071 | 12072 | NS | 1 | 48.616 | 49.281 | 0.0 | 0.003 | 207.166 | 2.537 | 1016.616 | 1077.072 | 26.752 | -91.696 | -89.72 | 0.0 |
| 47 | 12071 | 12072 | NS | 1 | 48.617 | 49.282 | 0.0 | 0.003 | 207.166 | 2.62 | 1016.632 | 1077.632 | 26.527 | -91.696 | -89.72 | 0.0 |
| 48 | 12071 | 12072 | SN | 1 | 48.795 | 49.48 | 0.0 | 0.0 | 9.767 | 2.725 | 1054.584 | 1083.128 | 0.0 | -92.526 | -90.078 | 0.0 |
| 49 | 12072 | 12073 | NS | 1 | 48.607 | 49.291 | 0.0 | 0.0 | 126.641 | 2.028 | 1017.424 | 1073.816 | 27.797 | -91.702 | -89.717 | 0.0 |
| 50 | 12072 | 12073 | SN | 1 | 48.856 | 49.499 | 0.0 | 0.003 | 213.717 | 2.578 | 1054.504 | 1083.352 | 0.0 | -91.777 | -90.094 | 0.0 |
| 51 | 12072 | 12073 | NS | 1 | 48.607 | 49.291 | 0.0 | 0.0 | 126.641 | 2.58 | 1017.424 | 1077.768 | 26.595 | -91.664 | -89.717 | 0.0 |
| 52 | 12072 | 12073 | NS | 2 | 48.607 | 49.291 | 0.0 | 0.0 | 126.641 | 2.028 | 1017.424 | 1073.816 | 27.797 | -91.702 | -89.717 | 0.0 |
| 53 | 12073 | 12074 | NS | 1 | 48.596 | 49.29 | 0.0 | 0.0 | 185.144 | 2.848 | 1016.984 | 1077.944 | 27.471 | -91.649 | -89.715 | 0.0 |
| 54 | 12073 | 12074 | SN | 1 | 48.864 | 49.524 | 0.0 | 0.003 | 30.294 | 2.579 | 1054.352 | 1084.472 | 0.0 | -91.787 | -90.089 | 0.0 |
| 55 | 12073 | 12074 | NS | 1 | 48.596 | 49.275 | 0.0 | 0.0 | 185.144 | 2.826 | 1017.24 | 1077.728 | 27.542 | -91.566 | -89.715 | 0.0 |
| 56 | 12074 | 12075 | NS | 1 | 48.599 | 49.241 | 0.0 | 0.0 | 267.726 | 2.945 | 1016.384 | 1078.048 | 26.239 | -91.562 | -89.709 | 0.0 |
| 57 | 12074 | 12075 | NS | 1 | 48.599 | 49.27 | 0.0 | 0.0 | 267.726 | 2.95 | 1016.128 | 1078.056 | 26.158 | -91.673 | -89.709 | 0.0 |
| 58 | 12074 | 12075 | SN | 1 | 48.848 | 49.508 | 0.0 | 0.003 | 6.304 | 1.527 | 1053.888 | 1083.568 | 0.0 | -92.089 | -90.119 | 0.0 |
| 59 | 12074 | 12075 | NS | 1 | 48.599 | 49.286 | 0.0 | 0.0 | 267.726 | 1.921 | 1016.128 | 1067.472 | 29.799 | -91.394 | -89.709 | 0.0 |
| 60 | 12074 | 12075 | SN | 1 | 48.848 | 49.508 | 0.0 | 0.003 | 6.304 | 2.657 | 1053.888 | 1083.568 | 0.0 | -92.089 | -90.087 | 0.0 |
| 61 | 12075 | 12076 | SN | 1 | 48.84 | 49.495 | 0.0 | 0.003 | 6.309 | 2.021 | 1054.32 | 1084.616 | 0.0 | -91.834 | -90.101 | 0.0 |
| 62 | 12075 | 12076 | SN | 1 | 48.84 | 49.495 | 0.0 | 0.0 | 48.637 | 2.717 | 1054.32 | 1084.616 | 0.0 | -91.834 | -90.09 | 0.0 |
| 63 | 12075 | 12076 | NS | 1 | 48.658 | 49.27 | 0.0 | 0.003 | 206.984 | 2.76 | 1016.544 | 1078.096 | 25.672 | -91.686 | -89.711 | 0.0 |
| 64 | 12075 | 12076 | SN | 1 | 48.84 | 49.495 | 0.0 | 0.0 | 48.637 | 2.719 | 1054.32 | 1084.616 | 0.0 | -91.834 | -90.09 | 0.0 |
| 65 | 12075 | 12076 | NS | 1 | 48.658 | 49.266 | 0.0 | 0.003 | 206.984 | 2.748 | 1016.544 | 1078.096 | 25.697 | -91.686 | -89.711 | 0.0 |
| 66 | 12076 | 12077 | SN | 1 | 48.885 | 49.53 | 0.0 | 0.003 | 279.886 | 2.586 | 1054.336 | 1084.136 | 0.0 | -91.852 | -90.082 | 0.0 |
| 67 | 12076 | 12077 | SN | 1 | 48.878 | 49.524 | 0.0 | 0.003 | 279.886 | 2.584 | 1054.304 | 1083.68 | 0.0 | -91.846 | -90.082 | 0.0 |
| 68 | 12076 | 12077 | SN | 1 | 48.885 | 49.53 | 0.0 | 0.003 | 279.886 | 2.433 | 1054.824 | 1084.136 | 0.0 | -91.852 | -90.082 | 0.0 |
| 69 | 12076 | 12077 | NS | 1 | 48.659 | 49.246 | 0.0 | 0.003 | 41.205 | 2.612 | 1017.344 | 1078.12 | 24.471 | -91.598 | -89.701 | 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 | 12076 | 12077 | NS | 1 | 48.624 | 49.246 | 0.0 | 0.003 | 41.205 | 2.624 | 1017.344 | 1078.12 | 24.469 | -91.514 | -89.701 | 0.0 |
| 71 | 12077 | 12078 | SN | 1 | 48.834 | 49.471 | 0.0 | 0.003 | 5.526 | 2.299 | 1053.904 | 1083.696 | 0.0 | -91.768 | -90.094 | 0.0 |
| 72 | 12077 | 12078 | SN | 1 | 48.834 | 49.471 | 0.0 | 0.003 | 5.526 | 2.252 | 1053.904 | 1083.696 | 0.0 | -91.768 | -90.097 | 0.0 |
| 73 | 12077 | 12078 | SN | 1 | 48.834 | 49.485 | 0.0 | 0.003 | 5.526 | 2.297 | 1053.904 | 1083.696 | 0.0 | -91.768 | -90.094 | 0.0 |
| 74 | 12077 | 12078 | NS | 1 | 48.641 | 49.276 | 0.0 | 0.0 | 266.683 | 3.038 | 1017.12 | 1078.36 | 24.312 | -93.624 | -89.69 | 0.0 |
| 75 | 12078 | 12079 | SN | 1 | 48.833 | 49.47 | 0.0 | 0.003 | 214.92 | 2.502 | 1053.656 | 1083.616 | 0.0 | -91.649 | -90.083 | 0.0 |
| 76 | 12078 | 12079 | NS | 1 | 48.61 | 49.266 | 0.0 | 0.0 | 43.568 | 2.729 | 1016.928 | 1078.4 | 25.004 | -91.564 | -89.718 | 0.0 |
| 77 | 12078 | 12079 | SN | 1 | 48.834 | 49.471 | 0.0 | 0.003 | 279.996 | 2.28 | 1053.664 | 1083.64 | 0.0 | -91.646 | -90.101 | 0.0 |
| 78 | 12078 | 12079 | NS | 1 | 48.612 | 49.298 | 0.0 | 0.0 | 43.568 | 2.827 | 1016.952 | 1078.376 | 24.964 | -91.582 | -89.718 | 0.0 |
| 79 | 12078 | 12079 | SN | 2 | 48.834 | 49.471 | 0.0 | 0.003 | 279.996 | 2.502 | 1053.664 | 1083.64 | 0.0 | -91.646 | -90.083 | 0.0 |
| 80 | 12079 | 12080 | SN | 1 | 48.879 | 49.485 | 0.0 | 0.003 | 6.32 | 2.165 | 1053.904 | 1083.576 | 0.0 | -91.822 | -90.11 | 0.0 |
| 81 | 12079 | 12080 | SN | 1 | 48.879 | 49.485 | 0.0 | 0.003 | 6.32 | 2.527 | 1053.904 | 1083.576 | 0.0 | -91.822 | -90.088 | 0.0 |
| 82 | 12079 | 12080 | NS | 1 | 48.635 | 49.279 | 0.0 | 0.003 | 207.154 | 2.654 | 1017.656 | 1078.352 | 25.894 | -91.716 | -89.688 | 0.0 |
| 83 | 12079 | 12080 | SN | 2 | 48.879 | 49.485 | 0.0 | 0.003 | 6.32 | 2.527 | 1053.904 | 1083.576 | 0.0 | -91.822 | -90.088 | 0.0 |
| 84 | 12079 | 12080 | NS | 1 | 48.635 | 49.294 | 0.0 | 0.003 | 207.154 | 2.651 | 1017.656 | 1078.352 | 25.866 | -91.652 | -89.688 | 0.0 |
| 85 | 12080 | 12081 | SN | 1 | 48.858 | 49.49 | 0.0 | 0.003 | 30.357 | 2.546 | 1053.296 | 1083.584 | 0.0 | -91.8 | -90.087 | 0.0 |
| 86 | 12080 | 12081 | SN | 1 | 48.858 | 49.49 | 0.0 | 0.003 | 30.357 | 2.544 | 1053.296 | 1083.584 | 0.0 | -91.8 | -90.087 | 0.0 |
| 87 | 12080 | 12081 | NS | 2 | 48.658 | 49.288 | 0.0 | 0.0 | 49.734 | 2.798 | 1017.088 | 1078.336 | 26.257 | -91.717 | -89.707 | 0.0 |
| 88 | 12080 | 12081 | NS | 1 | 48.659 | 49.288 | 0.0 | 0.0 | 268.012 | 2.797 | 1017.096 | 1078.336 | 26.251 | -91.717 | -89.707 | 0.0 |
| 89 | 12081 | 12082 | SN | 1 | 48.848 | 49.527 | 0.0 | 0.003 | 214.771 | 1.765 | 1054.072 | 1083.672 | 0.0 | -91.781 | -90.113 | 0.0 |
| 90 | 12081 | 12082 | SN | 1 | 48.684 | 49.527 | 0.0 | 0.003 | 214.771 | 2.619 | 1049.296 | 1083.672 | 0.0 | -92.66 | -90.086 | 0.0 |
| 91 | 12081 | 12082 | SN | 1 | 48.684 | 49.527 | 0.0 | 0.003 | 214.771 | 2.621 | 1049.296 | 1083.672 | 0.0 | -92.66 | -90.086 | 0.0 |
| 92 | 12081 | 12082 | NS | 2 | 48.638 | 49.296 | 0.0 | 0.003 | 267.764 | 2.659 | 1016.752 | 1078.352 | 26.047 | -91.645 | -89.717 | 0.0 |
| 93 | 12081 | 12082 | NS | 1 | 48.638 | 49.298 | 0.0 | 0.003 | 210.833 | 2.66 | 1016.472 | 1078.352 | 26.039 | -91.645 | -89.717 | 0.0 |
| 94 | 12082 | 12083 | NS | 1 | 48.61 | 49.297 | 0.0 | 0.0 | 264.709 | 2.777 | 1017.288 | 1078.488 | 26.041 | -91.702 | -89.717 | 0.0 |
| 95 | 12082 | 12083 | SN | 1 | 48.88 | 49.518 | 0.0 | 0.003 | 6.006 | 2.593 | 1053.928 | 1084.192 | 0.0 | -91.784 | -90.087 | 0.0 |
| 96 | 12082 | 12083 | SN | 1 | 48.894 | 49.535 | 0.0 | 0.003 | 6.006 | 2.594 | 1053.936 | 1083.88 | 0.0 | -91.856 | -90.087 | 0.0 |
| 97 | 12082 | 12083 | NS | 1 | 48.608 | 49.296 | 0.0 | 0.0 | 208.792 | 2.778 | 1017.256 | 1078.512 | 26.083 | -91.692 | -89.717 | 0.0 |
| 98 | 12082 | 12083 | SN | 1 | 48.88 | 49.518 | 0.0 | 0.003 | 6.006 | 1.488 | 1054.768 | 1084.192 | 0.0 | -91.784 | -90.101 | 0.0 |
| 99 | 12083 | 12084 | SN | 2 | 48.86 | 49.507 | 0.0 | 0.003 | 6.315 | 2.552 | 1053.688 | 1084.448 | 0.0 | -92.061 | -90.058 | 0.0 |
| 100 | 12083 | 12084 | NS | 2 | 48.602 | 49.246 | 0.0 | 0.0 | 48.174 | 2.813 | 1017.224 | 1078.648 | 26.788 | -91.509 | -89.69 | 0.0 |
| 101 | 12083 | 12084 | NS | 1 | 48.604 | 49.244 | 0.0 | 0.0 | 48.168 | 2.814 | 1017.256 | 1078.624 | 26.776 | -91.509 | -89.69 | 0.0 |
| 102 | 12083 | 12084 | SN | 1 | 48.86 | 49.507 | 0.0 | 0.003 | 6.315 | 2.552 | 1053.688 | 1084.448 | 0.0 | -92.061 | -90.058 | 0.0 |
| 103 | 12084 | 12085 | SN | 1 | 48.87 | 49.474 | 0.0 | 0.003 | 5.609 | 2.343 | 1054.056 | 1084.072 | 0.0 | -91.719 | -90.068 | 0.0 |
| 104 | 12084 | 12085 | NS | 1 | 48.457 | 49.28 | 0.0 | 0.0 | 267.643 | 2.901 | 1012.832 | 1078.656 | 26.184 | -92.045 | -89.691 | 0.0 |
| 105 | 12084 | 12085 | NS | 2 | 48.457 | 49.28 | 0.0 | 0.0 | 267.643 | 2.901 | 1012.832 | 1078.656 | 26.184 | -92.045 | -89.691 | 0.0 |
| 106 | 12085 | 12086 | SN | 1 | 48.88 | 49.481 | 0.0 | 0.0 | 214.732 | 2.655 | 1053.84 | 1084.072 | 0.0 | -91.756 | -90.068 | 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 | 12085 | 12086 | NS | 1 | 48.642 | 49.323 | 0.0 | 0.0 | 264.825 | 2.768 | 1016.84 | 1078.68 | 27.06 | -91.648 | -89.713 | 0.0 |
| 108 | 12085 | 12086 | SN | 2 | 48.881 | 49.481 | 0.0 | 0.0 | 279.351 | 2.655 | 1053.84 | 1084.064 | 0.0 | -91.704 | -90.068 | 0.0 |
| 109 | 12085 | 12086 | NS | 1 | 48.649 | 49.323 | 0.0 | 0.0 | 264.825 | 2.765 | 1016.672 | 1078.68 | 27.045 | -91.66 | -89.713 | 0.0 |
| 110 | 12086 | 12087 | NS | 1 | 48.607 | 49.283 | 0.0 | 0.0 | 90.485 | 2.705 | 1017.168 | 1078.832 | 27.231 | -91.595 | -89.712 | 0.0 |
| 111 | 12086 | 12087 | SN | 2 | 48.838 | 49.531 | 0.0 | 0.003 | 6.326 | 2.604 | 1053.624 | 1084.208 | 0.0 | -91.738 | -90.077 | 0.0 |
| 112 | 12086 | 12087 | NS | 1 | 48.618 | 49.293 | 0.0 | 0.0 | 90.485 | 2.703 | 1017.168 | 1078.832 | 27.206 | -91.665 | -89.712 | 0.0 |
| 113 | 12086 | 12087 | SN | 1 | 48.838 | 49.531 | 0.0 | 0.003 | 6.326 | 2.604 | 1053.624 | 1084.208 | 0.0 | -91.738 | -90.077 | 0.0 |
| 114 | 12087 | 12088 | SN | 1 | 48.689 | 49.512 | 0.0 | 0.0 | 121.043 | 2.722 | 1052.0 | 1085.152 | 0.0 | -93.232 | -90.08 | 0.0 |
| 115 | 12087 | 12088 | NS | 1 | 48.608 | 49.289 | 0.0 | 0.0 | 267.77 | 2.775 | 1017.0 | 1078.928 | 27.557 | -91.634 | -89.712 | 0.0 |
| 116 | 12087 | 12088 | SN | 1 | 48.689 | 49.512 | 0.0 | 0.0 | 121.043 | 2.719 | 1052.0 | 1085.152 | 0.0 | -93.232 | -90.08 | 0.0 |
| 117 | 12087 | 12088 | NS | 1 | 48.608 | 49.277 | 0.0 | 0.0 | 267.77 | 2.773 | 1017.0 | 1078.928 | 27.634 | -91.634 | -89.712 | 0.0 |
| 118 | 12087 | 12088 | NS | 1 | 48.608 | 49.289 | 0.0 | 0.0 | 267.77 | 2.56 | 1017.0 | 1077.144 | 28.15 | -91.607 | -89.712 | 0.0 |
| 119 | 12088 | 12089 | NS | 1 | 48.604 | 49.289 | 0.0 | 0.0 | 255.295 | 2.583 | 1016.872 | 1078.296 | 27.936 | -92.064 | -89.711 | 0.0 |
| 120 | 12088 | 12089 | SN | 1 | 48.858 | 49.496 | 0.0 | 0.003 | 213.651 | 2.554 | 1053.336 | 1084.48 | 0.0 | -92.019 | -90.078 | 0.0 |
| 121 | 12088 | 12089 | SN | 2 | 48.858 | 49.496 | 0.0 | 0.003 | 213.651 | 2.554 | 1053.336 | 1084.48 | 0.0 | -92.019 | -90.078 | 0.0 |
| 122 | 12088 | 12089 | NS | 2 | 48.604 | 49.289 | 0.0 | 0.0 | 255.295 | 2.584 | 1016.872 | 1078.296 | 27.936 | -92.064 | -89.711 | 0.0 |
| 123 | 12088 | 12089 | NS | 1 | 48.604 | 49.292 | 0.0 | 0.0 | 255.295 | 1.567 | 1016.872 | 1071.016 | 30.675 | -92.064 | -89.711 | 0.0 |
| 124 | 12089 | 12090 | SN | 1 | 48.862 | 49.538 | 0.0 | 0.003 | 6.315 | 1.691 | 1053.712 | 1085.416 | 0.0 | -91.846 | -90.119 | 0.0 |
| 125 | 12089 | 12090 | NS | 2 | 48.605 | 49.297 | 0.0 | 0.0 | 267.318 | 2.823 | 1016.064 | 1079.16 | 26.96 | -91.665 | -89.696 | 0.0 |
| 126 | 12089 | 12090 | SN | 1 | 48.885 | 49.507 | 0.0 | 0.0 | 52.382 | 2.815 | 1053.504 | 1085.416 | 0.0 | -91.846 | -90.08 | 0.0 |
| 127 | 12089 | 12090 | NS | 1 | 48.605 | 49.297 | 0.0 | 0.0 | 207.132 | 2.822 | 1016.056 | 1079.16 | 26.969 | -91.665 | -89.696 | 0.0 |
| 128 | 12089 | 12090 | NS | 1 | 48.605 | 49.291 | 0.0 | 0.0 | 207.132 | 1.824 | 1016.056 | 1065.08 | 31.77 | -91.296 | -89.696 | 0.0 |
| 129 | 12089 | 12090 | SN | 1 | 48.862 | 49.538 | 0.0 | 0.0 | 52.382 | 2.803 | 1053.504 | 1085.416 | 0.0 | -91.846 | -90.08 | 0.0 |

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

■ Normal ■ Deviations
■ Alarming ■ High Errors

| Inner | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-------------|-----------|------|---------|---------|--------|------------|---------|--------|------------|---------|--------|------------|--------|--------|------------|-------|---------|------------|-------|---------|------------|-------|-------|------------|-------|-------|------------|
| SNR | | | | | | | | | | | | | | Kp | | | | | | | | | | | | | | |
| | | | | Sea Aft | | | Sea Fore | | | Land Aft | | | Land Fore | | | Sea Aft | | | Sea Fore | | | Land Aft | | | Land Fore | | | |
| SrNo | Start Orbit | End Orbit | Dir. | Ver. | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) | Min | Max | BadOcc (%) |
| 1 | 12061 | 12062 | SN | 1 | -34.479 | 24.477 | 2.849 | -33.585 | 25.815 | 5.072 | -5.813 | 35.911 | 12.143 | -3.716 | 28.618 | 15.351 | 0.116 | 271.928 | 5.128 | 0.116 | 221.32 | 4.307 | 0.116 | 0.464 | 0.0 | 0.116 | 0.326 | 0.0 |
| 2 | 12061 | 12062 | NS | 1 | -34.66 | 28.473 | 0.886 | -34.694 | 24.763 | 0.056 | -8.766 | 32.616 | 22.753 | 2.811 | 36.383 | 38.978 | 0.116 | 292.758 | 7.004 | 0.116 | 285.646 | 6.697 | 0.116 | 0.822 | 0.0 | 0.116 | 0.158 | 0.0 |
| 3 | 12061 | 12062 | NS | 2 | -34.66 | 28.473 | 0.886 | -34.694 | 24.763 | 0.056 | -8.766 | 32.616 | 22.753 | 2.811 | 36.383 | 38.978 | 0.116 | 292.758 | 7.003 | 0.116 | 285.646 | 6.697 | 0.116 | 0.822 | 0.0 | 0.116 | 0.158 | 0.0 |
| 4 | 12061 | 12062 | SN | 1 | -34.73 | 24.477 | 2.844 | -34.072 | 25.815 | 5.067 | -5.801 | 35.909 | 12.14 | -3.719 | 28.618 | 15.392 | 0.116 | 287.992 | 5.129 | 0.116 | 247.599 | 4.311 | 0.116 | 0.463 | 0.0 | 0.116 | 0.326 | 0.0 |
| 5 | 12062 | 12063 | SN | 1 | -34.716 | 25.492 | 1.84 | -34.297 | 25.107 | 3.294 | 6.902 | 28.23 | 8.023 | 6.233 | 29.101 | 4.231 | 0.116 | 287.129 | 3.004 | 0.116 | 260.736 | 2.368 | 0.116 | 0.132 | 0.0 | 0.116 | 0.134 | 0.0 |
| 6 | 12062 | 12063 | SN | 1 | -34.738 | 25.501 | 1.843 | -34.855 | 25.097 | 3.302 | 6.902 | 28.23 | 8.023 | 6.233 | 29.101 | 4.231 | 0.116 | 288.578 | 3.003 | 0.116 | 296.418 | 2.365 | 0.116 | 0.132 | 0.0 | 0.116 | 0.134 | 0.0 |
| 7 | 12062 | 12063 | NS | 2 | -34.229 | 24.898 | 0.159 | -34.456 | 24.214 | 0.034 | -5.108 | 31.081 | 12.432 | -1.604 | 31.607 | 26.567 | 0.116 | 256.627 | 2.885 | 0.116 | 270.393 | 2.408 | 0.116 | 0.41 | 0.0 | 0.116 | 0.241 | 0.0 |
| 8 | 12062 | 12063 | NS | 1 | -34.229 | 24.898 | 0.159 | -34.456 | 24.214 | 0.034 | -5.108 | 31.081 | 12.432 | -1.604 | 31.607 | 26.567 | 0.116 | 256.627 | 2.885 | 0.116 | 270.393 | 2.408 | 0.116 | 0.41 | 0.0 | 0.116 | 0.241 | 0.0 |
| 9 | 12062 | 12063 | SN | 1 | -34.738 | 25.495 | 1.915 | -34.855 | 25.105 | 3.258 | 6.902 | 28.23 | 8.023 | 6.233 | 29.101 | 4.231 | 0.116 | 288.578 | 2.952 | 0.116 | 296.418 | 2.328 | 0.116 | 0.132 | 0.0 | 0.116 | 0.134 | 0.0 |
| 10 | 12063 | 12064 | SN | 1 | -34.431 | 23.474 | 0.16 | -34.086 | 23.542 | 0.242 | 6.518 | 28.077 | 20.274 | 7.57 | 27.424 | 19.146 | 0.116 | 268.863 | 2.725 | 0.116 | 248.369 | 2.502 | 0.116 | 0.133 | 0.0 | 0.116 | 0.129 | 0.0 |
| 11 | 12063 | 12064 | NS | 1 | -34.99 | 25.305 | 0.34 | -34.954 | 25.987 | 0.739 | 0.248 | 29.56 | 12.583 | -4.33 | 30.49 | 22.37 | 0.116 | 305.735 | 3.992 | 0.116 | 303.325 | 4.639 | 0.116 | 0.195 | 0.0 | 0.116 | 0.359 | 0.0 |
| 12 | 12063 | 12064 | SN | 1 | -34.431 | 23.474 | 0.16 | -34.086 | 23.542 | 0.242 | 6.518 | 28.077 | 20.27 | 7.57 | 27.424 | 19.157 | 0.116 | 268.863 | 2.724 | 0.116 | 248.369 | 2.502 | 0.116 | 0.133 | 0.0 | 0.116 | 0.129 | 0.0 |
| 13 | 12063 | 12064 | SN | 1 | -34.431 | 23.301 | 0.122 | -34.086 | 23.564 | 0.231 | 6.518 | 28.077 | 20.28 | 7.57 | 27.424 | 19.165 | 0.116 | 268.863 | 2.768 | 0.116 | 248.369 | 2.539 | 0.116 | 0.133 | 0.0 | 0.116 | 0.129 | 0.0 |
| 14 | 12063 | 12064 | NS | 1 | -34.626 | 25.305 | 0.339 | -34.954 | 25.987 | 0.735 | 0.249 | 29.562 | 12.559 | -4.324 | 30.49 | 22.345 | 0.116 | 281.261 | 3.988 | 0.116 | 303.325 | 4.646 | 0.116 | 0.195 | 0.0 | 0.116 | 0.359 | 0.0 |
| 15 | 12064 | 12065 | NS | 1 | -34.982 | 24.805 | 0.415 | -33.112 | 28.55 | 0.957 | -12.056 | 31.683 | 8.324 | -9.989 | 32.305 | 16.262 | 0.116 | 305.191 | 3.17 | 0.116 | 198.488 | 3.152 | 0.116 | 1.646 | 0.007 | 0.116 | 1.058 | 0.001 |
| 16 | 12064 | 12065 | SN | 1 | -34.512 | 22.61 | 0.002 | -34.356 | 21.51 | 0.0 | 5.565 | 27.354 | 17.44 | 6.394 | 26.381 | 16.664 | 0.116 | 273.933 | 1.652 | 0.116 | 264.236 | 1.101 | 0.116 | 0.138 | 0.0 | 0.116 | 0.134 | 0.0 |
| 17 | 12064 | 12065 | SN | 2 | -34.512 | 22.61 | 0.003 | -34.356 | 22.257 | 0.001 | 5.565 | 27.354 | 17.426 | 6.394 | 27.806 | 16.425 | 0.116 | 273.933 | 1.614 | 0.116 | 264.236 | 1.08 | 0.116 | 0.138 | 0.0 | 0.116 | 0.134 | 0.0 |
| 18 | 12064 | 12065 | NS | 1 | -34.719 | 24.805 | 0.414 | -33.203 | 28.55 | 0.957 | -12.052 | 31.683 | 8.323 | -9.99 | 32.203 | 16.237 | 0.116 | 287.28 | 3.172 | 0.116 | 202.711 | 3.159 | 0.116 | 1.645 | 0.007 | 0.116 | 1.058 | 0.001 |
| 19 | 12064 | 12065 | SN | 1 | -34.512 | 22.61 | 0.003 | -34.356 | 22.257 | 0.001 | 5.565 | 27.354 | 17.426 | 6.394 | 27.804 | 16.425 | 0.116 | 273.933 | 1.614 | 0.116 | 264.236 | 1.08 | 0.116 | 0.138 | 0.0 | 0.116 | 0.134 | 0.0 |
| 20 | 12065 | 12066 | SN | 1 | -34.502 | 23.077 | 0.001 | -33.995 | 21.9 | 0.0 | 5.257 | 28.024 | 19.67 | 7.718 | 28.578 | 30.328 | 0.116 | 273.368 | 1.73 | 0.116 | 243.189 | 1.376 | 0.116 | 0.139 | 0.0 | 0.116 | 0.129 | 0.0 |
| 21 | 12065 | 12066 | SN | 1 | -34.502 | 23.077 | 0.001 | -33.995 | 21.9 | 0.0 | 5.257 | 28.024 | 19.209 | 7.718 | 28.578 | 29.653 | 0.116 | 273.368 | 1.678 | 0.116 | 243.189 | 1.335 | 0.116 | 0.139 | 0.0 | 0.116 | 0.129 | 0.0 |
| 22 | 12065 | 12066 | NS | 2 | -34.558 | 23.652 | 0.042 | -34.459 | 23.301 | 0.252 | -10.244 | 28.213 | 11.854 | -6.576 | 28.951 | 19.108 | 0.116 | 276.839 | 2.599 | 0.116 | 270.651 | 2.282 | 0.116 | 1.116 | 0.001 | 0.116 | 0.534 | 0.0 |
| 23 | 12065 | 12066 | SN | 1 | -34.035 | 23.077 | 0.001 | -34.374 | 21.9 | 0.0 | 5.257 | 28.024 | 19.198 | 7.718 | 28.578 | 29.659 | 0.116 | 245.453 | 1.677 | 0.116 | 265.37 | 1.334 | 0.116 | 0.139 | 0.0 | 0.116 | 0.129 | 0.0 |
| 24 | 12065 | 12066 | NS | 1 | -34.558 | 23.652 | 0.042 | -34.356 | 23.301 | 0.252 | -10.242 | 28.213 | 11.852 | -6.576 | 28.951 | 19.108 | 0.116 | 276.839 | 2.599 | 0.116 | 264.248 | 2.282 | 0.116 | 1.116 | 0.001 | 0.116 | 0.534 | 0.0 |
| 25 | 12066 | 12067 | SN | 2 | -34.812 | 21.078 | 0.0 | -34.812 | 22.925 | 0.017 | 5.919 | 28.006 | 18.918 | 7.11 | 28.784 | 29.315 | 0.116 | 293.535 | 3.816 | 0.116 | 293.494 | 2.827 | 0.116 | 0.136 | 0.0 | 0.116 | 0.131 | 0.0 |
| 26 | 12066 | 12067 | SN | 1 | -34.812 | 21.078 | 0.0 | -34.812 | 20.803 | 0.0 | 5.919 | 28.006 | 20.226 | 7.11 | 28.784 | 29.631 | 0.116 | 293.535 | 3.973 | 0.116 | 293.494 | 2.984 | 0.116 | 0.136 | 0.0 | 0.116 | 0.131 | 0.0 |
| 27 | 12066 | 12067 | NS | 1 | -34.058 | 24.539 | 1.173 | -34.079 | 25.035 | 1.647 | -8.381 | 30.397 | 8.284 | -5.467 | 30.399 | 13.766 | 0.116 | 246.76 | 2.167 | 0.116 | 247.907 | 1.934 | 0.116 | 0.76 | 0.0 | 0.116 | 0.436 | 0.0 |
| 28 | 12066 | 12067 | SN | 1 | -34.812 | 21.078 | 0.0 | -34.812 | 22.925 | 0.017 | 5.919 | 28.006 | 18.918 | 7.11 | 28.784 | 29.315 | 0.116 | 293.535 | 3.816 | 0.116 | 293.494 | 2.827 | 0.116 | 0.136 | 0.0 | 0.116 | 0.131 | 0.0 |
| 29 | 12066 | 12067 | NS | 1 | -34.058 | 24.539 | 1.174 | -34.079 | 25.035 | 1.65 | -8.381 | 30.397 | 8.289 | -5.467 | 30.399 | 13.766 | 0.116 | 246.76 | 2.17 | 0.116 | 247.907 | 1.936 | 0.116 | 0.76 | 0.0 | 0.116 | 0.436 | 0.0 |
| 30 | 12067 | 12068 | NS | 1 | -34.953 | 27.115 | 0.541 | -34.705 | 25.696 | 1.012 | 6.99 | 27.477 | 12.997 | 7.489 | 28.748 | 23.643 | 0.116 | 303.155 | 2.029 | 0.116 | 286.403 | 1.966 | 0.116 | 0.131 | 0.0 | 0.116 | 0.13 | 0.0 |
| 31 | 12067 | 12068 | NS | 1 | -34.697 | 27.115 | 0.541 | -34.753 | 25.696 | 1.011 | 6.99 | 27.477 | 13.005 | 7.488 | 28.748 | 23.649 | 0.116 | 285.902 | 2.03 | 0.116 | 289.529 | 1.964 | 0.116 | 0.131 | 0.0 | 0.116 | 0.13 | 0.0 |
| 32 | 12067 | 12068 | SN | 2 | -33.785 | 23.973 | 0.041 | -34.346 | 24.378 | 0.187 | 5.325 | 31.556 | 11.523 | 6.426 | 33.015 | 14.448 | 0.116 | 231.689 | 2.402 | 0.116 | 263.69 | 1.998 | 0.116 | 0.139 | 0.0 | 0.116 | 0.133 | 0.0 |
| 33 | 12067 | 12068 | SN | 1 | -33.785 | 23.973 | 0.041 | -34.351 | 24.378 | 0.187 | 5.325 | 31.556 | 11.525 | 6.426 | 33.015 | 14.447 | 0.116 | 231.689 | 2.401 | 0.116 | 264.012 | 1.998 | 0.116 | 0.139 | 0.0 | 0.116 | 0.133 | 0.0 |

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

- Normal
- Deviations
- Alarming
- High Errors

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|
| 34 | 12067 | 12068 | SN | 1 | -33.785 | 23.973 | 0.044 | -34.346 | 24.378 | 0.12 | 5.325 | 31.556 | 11.617 | 6.426 | 33.015 | 14.38 | 0.116 | 231.689 | 2.533 | 0.116 | 263.69 | 2.146 | 0.116 | 0.139 | 0.0 | 0.116 | 0.133 | 0.0 |
| 35 | 12068 | 12069 | SN | 1 | -34.959 | 24.327 | 0.072 | -34.329 | 24.813 | 0.199 | -10.932 | 29.956 | 15.36 | -7.911 | 30.841 | 17.404 | 0.116 | 303.624 | 9.446 | 0.116 | 262.699 | 9.066 | 0.116 | 1.292 | 0.002 | 0.116 | 0.692 | 0.0 |
| 36 | 12068 | 12069 | NS | 1 | -33.364 | 24.376 | 0.142 | -34.84 | 23.895 | 0.203 | -6.627 | 29.215 | 19.971 | -10.717 | 30.368 | 34.529 | 0.116 | 210.288 | 2.575 | 0.116 | 295.418 | 2.241 | 0.116 | 0.54 | 0.0 | 0.116 | 1.234 | 0.002 |
| 37 | 12068 | 12069 | NS | 1 | -34.886 | 24.376 | 0.142 | -34.84 | 23.895 | 0.203 | -6.7 | 29.215 | 20.029 | -10.719 | 30.368 | 34.507 | 0.116 | 298.603 | 2.572 | 0.116 | 295.418 | 2.242 | 0.116 | 0.547 | 0.0 | 0.116 | 1.235 | 0.002 |
| 38 | 12068 | 12069 | SN | 2 | -34.959 | 24.327 | 0.065 | -34.329 | 24.813 | 0.476 | -10.881 | 29.956 | 14.539 | -7.911 | 30.841 | 17.487 | 0.116 | 303.624 | 8.571 | 0.116 | 262.699 | 7.678 | 0.116 | 1.278 | 0.001 | 0.116 | 0.692 | 0.0 |
| 39 | 12068 | 12069 | SN | 1 | -34.959 | 24.327 | 0.065 | -34.329 | 24.813 | 0.476 | -10.881 | 29.956 | 14.539 | -7.911 | 30.841 | 17.487 | 0.116 | 303.624 | 8.571 | 0.116 | 262.699 | 7.678 | 0.116 | 1.278 | 0.001 | 0.116 | 0.692 | 0.0 |
| 40 | 12069 | 12070 | NS | 1 | -34.535 | 28.795 | 0.519 | -34.889 | 26.875 | 0.481 | -2.837 | 29.432 | 30.41 | 1.12 | 30.948 | 46.14 | 0.116 | 275.403 | 1.369 | 0.116 | 298.84 | 1.258 | 0.116 | 0.285 | 0.0 | 0.116 | 0.18 | 0.0 |
| 41 | 12069 | 12070 | SN | 1 | -34.796 | 24.437 | 0.047 | -34.159 | 26.963 | 0.791 | -14.13 | 28.691 | 17.255 | 0.647 | 29.907 | 17.047 | 0.116 | 292.489 | 4.859 | 0.116 | 252.594 | 4.036 | 0.116 | 2.598 | 0.002 | 0.116 | 0.188 | 0.0 |
| 42 | 12070 | 12071 | SN | 1 | -34.923 | 22.056 | 0.001 | -34.693 | 24.796 | 0.754 | -13.554 | 30.584 | 15.972 | -13.81 | 29.392 | 15.016 | 0.116 | 301.14 | 6.038 | 0.116 | 285.596 | 4.971 | 0.116 | 2.287 | 0.008 | 0.116 | 2.42 | 0.017 |
| 43 | 12070 | 12071 | SN | 1 | -34.857 | 21.958 | 0.0 | -34.83 | 24.754 | 0.429 | -13.559 | 30.584 | 15.912 | -13.787 | 29.392 | 13.786 | 0.116 | 296.567 | 6.191 | 0.116 | 294.79 | 5.013 | 0.116 | 2.289 | 0.008 | 0.116 | 2.407 | 0.017 |
| 44 | 12070 | 12071 | NS | 1 | -34.411 | 24.253 | 0.842 | -34.976 | 24.359 | 0.526 | 0.472 | 36.383 | 15.239 | -3.428 | 34.887 | 26.071 | 0.116 | 267.662 | 2.376 | 0.116 | 304.848 | 2.619 | 0.116 | 0.191 | 0.0 | 0.116 | 0.311 | 0.0 |
| 45 | 12071 | 12072 | SN | 1 | -34.984 | 24.437 | 0.157 | -34.721 | 25.854 | 2.485 | -31.904 | 29.893 | 14.346 | -30.024 | 29.44 | 13.049 | 0.116 | 305.308 | 3.625 | 0.116 | 287.408 | 2.54 | 0.116 | 150.284 | 0.096 | 0.116 | 97.516 | 0.063 |
| 46 | 12071 | 12072 | NS | 1 | -34.991 | 27.571 | 2.078 | -34.804 | 27.532 | 1.753 | 4.476 | 31.527 | 19.448 | 5.624 | 32.504 | 28.75 | 0.116 | 305.934 | 2.714 | 0.116 | 292.969 | 2.63 | 0.116 | 0.144 | 0.0 | 0.116 | 0.137 | 0.0 |
| 47 | 12071 | 12072 | NS | 1 | -34.939 | 27.572 | 2.078 | -34.872 | 27.532 | 1.753 | 4.476 | 31.527 | 20.904 | 5.624 | 32.504 | 30.148 | 0.116 | 302.17 | 2.714 | 0.116 | 297.644 | 2.63 | 0.116 | 0.144 | 0.0 | 0.116 | 0.137 | 0.0 |
| 48 | 12071 | 12072 | SN | 1 | -34.215 | 24.437 | 0.157 | -34.716 | 25.854 | 2.491 | -31.84 | 29.893 | 14.346 | -30.725 | 29.44 | 13.049 | 0.116 | 255.858 | 3.642 | 0.116 | 287.1 | 2.536 | 0.116 | 148.135 | 0.096 | 0.116 | 114.6 | 0.063 |
| 49 | 12072 | 12073 | NS | 1 | -33.669 | 24.824 | 1.948 | -34.645 | 25.922 | 1.723 | 11.94 | 28.726 | 24.206 | 12.211 | 30.38 | 43.331 | 0.116 | 225.577 | 1.016 | 0.116 | 282.48 | 0.716 | 0.116 | 0.121 | 0.0 | 0.116 | 0.12 | 0.0 |
| 50 | 12072 | 12073 | SN | 1 | -34.518 | 23.722 | 0.206 | -34.419 | 25.913 | 3.663 | -6.678 | 30.094 | 16.966 | -4.54 | 29.82 | 18.824 | 0.116 | 274.333 | 3.382 | 0.116 | 268.15 | 2.984 | 0.116 | 0.545 | 0.0 | 0.116 | 0.372 | 0.0 |
| 51 | 12072 | 12073 | NS | 1 | -33.669 | 24.824 | 1.945 | -34.645 | 25.922 | 1.724 | 11.92 | 28.642 | 34.767 | 12.228 | 30.385 | 47.764 | 0.116 | 225.577 | 1.017 | 0.116 | 282.48 | 0.716 | 0.116 | 0.121 | 0.0 | 0.116 | 0.12 | 0.0 |
| 52 | 12072 | 12073 | NS | 2 | -33.669 | 24.824 | 1.948 | -34.645 | 25.922 | 1.723 | 11.94 | 28.726 | 24.206 | 12.211 | 30.38 | 43.331 | 0.116 | 225.577 | 1.016 | 0.116 | 282.48 | 0.716 | 0.116 | 0.121 | 0.0 | 0.116 | 0.12 | 0.0 |
| 53 | 12073 | 12074 | NS | 1 | -34.346 | 26.019 | 1.671 | -34.998 | 25.47 | 1.025 | 8.524 | 28.909 | 34.514 | 8.206 | 29.788 | 45.17 | 0.116 | 263.727 | 2.39 | 0.116 | 306.303 | 1.834 | 0.116 | 0.126 | 0.0 | 0.116 | 0.127 | 0.0 |
| 54 | 12073 | 12074 | SN | 1 | -34.806 | 23.815 | 0.266 | -34.95 | 25.535 | 2.724 | -1.472 | 29.249 | 37.869 | -2.331 | 30.204 | 45.159 | 0.116 | 293.139 | 3.029 | 0.116 | 302.982 | 2.524 | 0.116 | 0.237 | 0.0 | 0.116 | 0.265 | 0.0 |
| 55 | 12073 | 12074 | NS | 1 | -34.482 | 26.019 | 1.677 | -34.649 | 25.47 | 1.029 | 8.526 | 28.917 | 33.791 | 8.204 | 29.788 | 44.808 | 0.116 | 272.099 | 2.391 | 0.116 | 282.766 | 1.845 | 0.116 | 0.126 | 0.0 | 0.116 | 0.127 | 0.0 |
| 56 | 12074 | 12075 | NS | 1 | -34.64 | 26.432 | 1.704 | -34.663 | 26.717 | 0.408 | 7.444 | 30.366 | 20.731 | 8.023 | 30.096 | 31.34 | 0.116 | 282.12 | 3.534 | 0.116 | 283.63 | 3.524 | 0.116 | 0.13 | 0.0 | 0.116 | 0.128 | 0.0 |
| 57 | 12074 | 12075 | NS | 1 | -34.925 | 26.432 | 1.708 | -34.543 | 26.717 | 0.409 | 7.443 | 30.37 | 20.705 | 8.023 | 30.096 | 31.341 | 0.116 | 301.302 | 3.539 | 0.116 | 275.874 | 3.526 | 0.116 | 0.13 | 0.0 | 0.116 | 0.128 | 0.0 |
| 58 | 12074 | 12075 | SN | 1 | -34.801 | 22.418 | 0.003 | -34.54 | 23.041 | 0.011 | 7.257 | 29.245 | 31.552 | 8.571 | 30.128 | 38.403 | 0.116 | 292.823 | 5.239 | 0.116 | 275.648 | 4.066 | 0.116 | 0.13 | 0.0 | 0.116 | 0.126 | 0.0 |
| 59 | 12074 | 12075 | NS | 1 | -34.925 | 26.432 | 1.56 | -34.543 | 26.694 | 0.408 | 7.901 | 30.37 | 5.725 | 8.023 | 27.364 | 5.311 | 0.116 | 301.302 | 3.369 | 0.116 | 275.874 | 3.528 | 0.116 | 0.128 | 0.0 | 0.116 | 0.128 | 0.0 |
| 60 | 12074 | 12075 | SN | 1 | -34.801 | 24.356 | 0.45 | -34.54 | 26.27 | 2.55 | 7.257 | 29.251 | 34.004 | 8.571 | 30.128 | 40.269 | 0.116 | 292.823 | 5.102 | 0.116 | 275.648 | 3.806 | 0.116 | 0.13 | 0.0 | 0.116 | 0.126 | 0.0 |
| 61 | 12075 | 12076 | SN | 1 | -34.877 | 24.63 | 1.34 | -32.863 | 25.758 | 4.463 | -4.164 | 28.018 | 12.601 | -5.16 | 30.835 | 18.998 | 0.116 | 297.993 | 1.56 | 0.116 | 187.424 | 1.185 | 0.116 | 0.35 | 0.0 | 0.116 | 0.414 | 0.0 |
| 62 | 12075 | 12076 | SN | 1 | -34.877 | 24.63 | 2.9 | -32.863 | 25.758 | 5.269 | -4.164 | 28.018 | 12.736 | -5.16 | 30.835 | 18.983 | 0.116 | 297.993 | 1.483 | 0.116 | 187.424 | 1.069 | 0.116 | 0.35 | 0.0 | 0.116 | 0.414 | 0.0 |
| 63 | 12075 | 12076 | NS | 1 | -34.354 | 24.562 | 1.448 | -33.102 | 24.123 | 0.077 | 6.77 | 29.901 | 17.614 | 7.814 | 29.45 | 30.067 | 0.116 | 264.201 | 1.968 | 0.116 | 198.057 | 2.052 | 0.116 | 0.132 | 0.0 | 0.116 | 0.128 | 0.0 |
| 64 | 12075 | 12076 | SN | 1 | -34.877 | 24.63 | 2.897 | -32.863 | 25.758 | 5.27 | -4.164 | 28.018 | 12.751 | -5.16 | 30.835 | 19.001 | 0.116 | 297.993 | 1.483 | 0.116 | 187.424 | 1.069 | 0.116 | 0.35 | 0.0 | 0.116 | 0.414 | 0.0 |
| 65 | 12075 | 12076 | NS | 1 | -34.403 | 24.562 | 1.411 | -33.316 | 24.123 | 0.077 | 6.765 | 29.901 | 17.619 | 7.814 | 29.45 | 30.073 | 0.116 | 267.178 | 1.968 | 0.116 | 207.987 | 2.059 | 0.116 | 0.132 | 0.0 | 0.116 | 0.128 | 0.0 |
| 66 | 12076 | 12077 | SN | 1 | -34.798 | 25.111 | 2.55 | -33.994 | 25.79 | 4.02 | 4.68 | 31.776 | 9.987 | 5.441 | 29.649 | 6.579 | 0.116 | 292.606 | 3.98 | 0.116 | 243.1 | 3.625 | 0.116 | 0.143 | 0.0 | 0.116 | 0.138 | 0.0 |
| 67 | 12076 | 12077 | SN | 1 | -34.413 | 25.114 | 2.543 | -34.42 | 25.79 | 4.015 | 4.68 | 31.776 | 9.989 | 5.441 | 29.649 | 6.575 | 0.116 | 267.71 | 3.978 | 0.116 | 268.198 | 3.618 | 0.116 | 0.143 | 0.0 | 0.116 | 0.138 | 0.0 |
| 68 | 12076 | 12077 | SN | 1 | -34.798 | 25.111 | 2.331 | -33.994 | 25.79 | 4.113 | 4.68 | 31.776 | 9.987 | 5.441 | 29.649 | 6.579 | 0.116 | 292.606 | 4.076 | 0.116 | 243.1 | 3.71 | 0.116 | 0.143 | 0.0 | 0.116 | 0.138 | 0.0 |
| 69 | 12076 | 12077 | NS | 1 | -34.85 | 24.949 | 0.675 | -34.875 | 25.3 | 0.051 | 1.597 | 33.454 | 17.575 | 3.216 | 36.383 | 33.865 | 0.116 | 296.1 | 5.753 | 0.116 | 297.834 | 5.829 | 0.116 | 0.173 | 0.0 | 0.116 | 0.154 | 0.0 |
| 70 | 12076 | 12077 | NS | 1 | -34.976 | 24.949 | 0.671 | -34.781 | 25.3 | 0.051 | 1.591 | 33.453 | 17.577 | 3.218 | 36.383 | 33.863 | 0.116 | 304.768 | 5.744 | 0.116 | 291.416 | 5.821 | 0.116 | 0.173 | 0.0 | 0.116 | 0.154 | 0.0 |
| 71 | 12077 | 12078 | SN | 1 | -34.41 | 24.031 | 0.603 | -34.502 | 24.669 | 1.159 | 6.625 | 33.069 | 12.429 | 7.661 | 29.338 | 11.973 | 0.116 | 267.59 | 3.933 | 0.116 | 273.384 | 3.471 | 0.116 | 0.133 | 0.0 | 0.116 | 0.129 | 0.0 |
| 72 | 12077 | 12078 | SN | 1 | -34.41 | 24.013 | 0.596 | -34.502 | 24.669 | 1.163 | 6.625 | 33.069 | 12.423 | 7.661 | 29.338 | 11.973 | 0.116 | 267.59 | 3.955 | 0.116 | 273.384 | 3.489 | 0.116 | 0.133 | 0.0 | 0.116 | 0.129 | 0.0 |

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

- Normal
- Deviations
- Alarming
- High Errors

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|-------|-------|-------|--------|-------|
| 73 | 12077 | 12078 | SN | 1 | -34.618 | 24.034 | 0.602 | -34.498 | 24.669 | 1.157 | 6.625 | 33.074 | 12.426 | 7.661 | 29.338 | 11.973 | 0.116 | 280.758 | 3.933 | 0.116 | 273.087 | 3.466 | 0.116 | 0.133 | 0.0 | 0.116 | 0.129 | 0.0 |
| 74 | 12077 | 12078 | NS | 1 | -34.535 | 25.048 | 0.491 | -34.623 | 26.078 | 0.484 | -8.131 | 29.681 | 11.991 | -14.127 | 30.117 | 23.426 | 0.116 | 275.376 | 3.245 | 0.116 | 281.042 | 3.553 | 0.116 | 0.723 | 0.0 | 0.116 | 2.596 | 0.002 |
| 75 | 12078 | 12079 | SN | 1 | -34.229 | 22.734 | 0.024 | -33.839 | 23.238 | 0.051 | 6.182 | 27.204 | 18.12 | 7.398 | 27.062 | 17.395 | 0.116 | 256.668 | 1.09 | 0.116 | 234.594 | 0.967 | 0.116 | 0.134 | 0.0 | 0.116 | 0.13 | 0.0 |
| 76 | 12078 | 12079 | NS | 1 | -34.877 | 24.714 | 0.582 | -34.734 | 25.546 | 0.907 | -9.44 | 28.972 | 9.956 | -4.805 | 29.976 | 17.988 | 0.116 | 297.98 | 4.182 | 0.116 | 288.313 | 3.697 | 0.116 | 0.944 | 0.0 | 0.116 | 0.389 | 0.0 |
| 77 | 12078 | 12079 | SN | 1 | -34.229 | 22.707 | 0.014 | -33.839 | 23.201 | 0.047 | 6.182 | 27.204 | 18.164 | 7.398 | 26.703 | 17.367 | 0.116 | 256.668 | 1.111 | 0.116 | 234.594 | 0.983 | 0.116 | 0.134 | 0.0 | 0.116 | 0.13 | 0.0 |
| 78 | 12078 | 12079 | NS | 1 | -34.207 | 24.714 | 0.577 | -34.006 | 25.546 | 0.898 | -9.44 | 28.972 | 10.068 | -4.808 | 29.976 | 18.072 | 0.116 | 255.396 | 4.171 | 0.116 | 243.791 | 3.698 | 0.116 | 0.944 | 0.0 | 0.116 | 0.389 | 0.0 |
| 79 | 12078 | 12079 | SN | 2 | -34.229 | 22.734 | 0.024 | -33.839 | 23.238 | 0.051 | 6.182 | 27.204 | 18.122 | 7.398 | 27.06 | 17.395 | 0.116 | 256.668 | 1.09 | 0.116 | 234.594 | 0.967 | 0.116 | 0.134 | 0.0 | 0.116 | 0.13 | 0.0 |
| 80 | 12079 | 12080 | SN | 1 | -33.82 | 22.675 | 0.001 | -31.967 | 23.598 | 0.001 | 6.219 | 28.267 | 21.618 | 7.588 | 28.849 | 28.31 | 0.116 | 233.608 | 1.884 | 0.116 | 152.492 | 1.532 | 0.116 | 0.134 | 0.0 | 0.116 | 0.129 | 0.0 |
| 81 | 12079 | 12080 | SN | 1 | -33.82 | 22.675 | 0.001 | -31.967 | 23.598 | 0.001 | 6.219 | 28.267 | 21.486 | 7.588 | 28.849 | 27.335 | 0.116 | 233.608 | 1.83 | 0.116 | 152.492 | 1.497 | 0.116 | 0.134 | 0.0 | 0.116 | 0.129 | 0.0 |
| 82 | 12079 | 12080 | NS | 1 | -33.336 | 23.581 | 0.11 | -32.852 | 23.835 | 0.314 | -16.396 | 30.486 | 7.969 | -28.126 | 28.892 | 15.956 | 0.116 | 209.012 | 2.387 | 0.116 | 186.915 | 2.089 | 0.116 | 4.316 | 0.018 | 0.116 | 63.027 | 0.003 |
| 83 | 12079 | 12080 | SN | 2 | -33.82 | 22.675 | 0.001 | -31.967 | 23.598 | 0.001 | 6.219 | 28.267 | 21.486 | 7.588 | 28.849 | 27.335 | 0.116 | 233.608 | 1.83 | 0.116 | 152.492 | 1.497 | 0.116 | 0.134 | 0.0 | 0.116 | 0.129 | 0.0 |
| 84 | 12079 | 12080 | NS | 1 | -34.464 | 23.581 | 0.11 | -32.428 | 23.835 | 0.314 | -16.396 | 30.486 | 7.958 | -28.126 | 28.89 | 15.929 | 0.116 | 270.889 | 2.385 | 0.116 | 169.548 | 2.089 | 0.116 | 4.316 | 0.018 | 0.116 | 63.027 | 0.003 |
| 85 | 12080 | 12081 | SN | 1 | -34.185 | 20.435 | 0.0 | -34.914 | 22.262 | 0.004 | 5.707 | 27.856 | 20.525 | 7.806 | 28.815 | 33.717 | 0.116 | 254.078 | 2.515 | 0.116 | 300.494 | 2.268 | 0.116 | 0.137 | 0.0 | 0.116 | 0.128 | 0.0 |
| 86 | 12080 | 12081 | SN | 1 | -34.185 | 20.435 | 0.0 | -34.914 | 22.26 | 0.004 | 5.707 | 27.856 | 20.53 | 7.806 | 28.815 | 33.73 | 0.116 | 254.078 | 2.512 | 0.116 | 300.494 | 2.266 | 0.116 | 0.137 | 0.0 | 0.116 | 0.128 | 0.0 |
| 87 | 12080 | 12081 | NS | 2 | -34.919 | 23.153 | 0.083 | -34.75 | 23.891 | 0.244 | -4.952 | 29.48 | 8.713 | -5.023 | 30.074 | 13.913 | 0.116 | 300.789 | 4.23 | 0.116 | 289.326 | 3.026 | 0.116 | 0.399 | 0.0 | 0.116 | 0.404 | 0.0 |
| 88 | 12080 | 12081 | NS | 1 | -34.724 | 23.153 | 0.083 | -34.75 | 23.891 | 0.244 | -4.952 | 29.48 | 8.711 | -5.023 | 30.074 | 13.913 | 0.116 | 287.645 | 4.231 | 0.116 | 289.326 | 3.027 | 0.116 | 0.399 | 0.0 | 0.116 | 0.404 | 0.0 |
| 89 | 12081 | 12082 | SN | 1 | -34.738 | 23.739 | 0.021 | -34.615 | 24.321 | 0.074 | 5.893 | 28.692 | 14.293 | 8.555 | 29.033 | 19.585 | 0.116 | 288.539 | 3.972 | 0.116 | 280.586 | 3.491 | 0.116 | 0.136 | 0.0 | 0.116 | 0.126 | 0.0 |
| 90 | 12081 | 12082 | SN | 1 | -34.738 | 23.739 | 0.02 | -34.693 | 24.321 | 0.107 | 5.893 | 28.692 | 13.568 | 8.555 | 29.033 | 19.538 | 0.116 | 288.539 | 3.775 | 0.116 | 285.575 | 3.281 | 0.116 | 0.136 | 0.0 | 0.116 | 0.126 | 0.0 |
| 91 | 12081 | 12082 | SN | 1 | -34.738 | 23.739 | 0.02 | -34.615 | 24.321 | 0.107 | 5.893 | 28.692 | 13.572 | 8.555 | 29.033 | 19.557 | 0.116 | 288.539 | 3.779 | 0.116 | 280.586 | 3.282 | 0.116 | 0.136 | 0.0 | 0.116 | 0.126 | 0.0 |
| 92 | 12081 | 12082 | NS | 2 | -34.055 | 24.816 | 0.722 | -34.906 | 26.124 | 1.178 | -5.468 | 29.82 | 10.338 | -6.24 | 30.781 | 16.892 | 0.116 | 246.567 | 2.577 | 0.116 | 299.982 | 2.53 | 0.116 | 0.437 | 0.0 | 0.116 | 0.502 | 0.0 |
| 93 | 12081 | 12082 | NS | 1 | -34.069 | 24.816 | 0.722 | -34.906 | 26.124 | 1.178 | -5.468 | 29.82 | 10.343 | -6.24 | 30.781 | 16.895 | 0.116 | 247.386 | 2.577 | 0.116 | 299.982 | 2.53 | 0.116 | 0.437 | 0.0 | 0.116 | 0.502 | 0.0 |
| 94 | 12082 | 12083 | NS | 1 | -34.874 | 25.738 | 1.305 | -34.94 | 26.12 | 1.715 | 6.526 | 31.558 | 11.889 | -1.876 | 29.995 | 23.893 | 0.116 | 297.737 | 2.795 | 0.116 | 302.328 | 2.751 | 0.116 | 0.133 | 0.0 | 0.116 | 0.25 | 0.0 |
| 95 | 12082 | 12083 | SN | 1 | -34.331 | 23.276 | 0.019 | -33.707 | 24.482 | 0.388 | 2.158 | 35.063 | 13.465 | 2.923 | 32.579 | 15.099 | 0.116 | 262.732 | 3.794 | 0.116 | 227.615 | 3.23 | 0.116 | 0.165 | 0.0 | 0.116 | 0.157 | 0.0 |
| 96 | 12082 | 12083 | SN | 1 | -34.422 | 23.276 | 0.019 | -34.877 | 24.482 | 0.387 | 2.158 | 35.063 | 13.463 | 2.924 | 32.579 | 15.096 | 0.116 | 268.326 | 3.787 | 0.116 | 297.98 | 3.212 | 0.116 | 0.165 | 0.0 | 0.116 | 0.157 | 0.0 |
| 97 | 12082 | 12083 | NS | 1 | -34.874 | 25.738 | 1.306 | -33.98 | 26.12 | 1.718 | 6.53 | 31.558 | 11.903 | -1.879 | 29.995 | 23.898 | 0.116 | 297.737 | 2.799 | 0.116 | 251.532 | 2.755 | 0.116 | 0.133 | 0.0 | 0.116 | 0.25 | 0.0 |
| 98 | 12082 | 12083 | SN | 1 | -34.331 | 23.276 | 0.021 | -33.707 | 24.482 | 0.218 | 2.158 | 35.063 | 14.216 | 2.923 | 32.579 | 15.077 | 0.116 | 262.732 | 3.916 | 0.116 | 227.615 | 3.574 | 0.116 | 0.165 | 0.0 | 0.116 | 0.157 | 0.0 |
| 99 | 12083 | 12084 | SN | 2 | -34.354 | 22.545 | 0.005 | -34.846 | 24.225 | 0.485 | -8.541 | 29.287 | 17.844 | -4.737 | 29.899 | 18.873 | 0.116 | 264.158 | 6.515 | 0.116 | 295.79 | 6.569 | 0.116 | 0.785 | 0.0 | 0.116 | 0.385 | 0.0 |
| 100 | 12083 | 12084 | NS | 2 | -33.891 | 24.273 | 0.351 | -33.412 | 26.013 | 0.456 | -3.088 | 29.398 | 29.7 | 1.458 | 30.558 | 46.813 | 0.116 | 237.51 | 2.983 | 0.116 | 212.688 | 2.693 | 0.116 | 0.296 | 0.0 | 0.116 | 0.184 | 0.0 |
| 101 | 12083 | 12084 | NS | 1 | -33.891 | 24.273 | 0.351 | -33.036 | 26.015 | 0.456 | -3.088 | 29.398 | 29.697 | 1.458 | 30.558 | 46.818 | 0.116 | 237.51 | 2.983 | 0.116 | 195.05 | 2.693 | 0.116 | 0.296 | 0.0 | 0.116 | 0.184 | 0.0 |
| 102 | 12083 | 12084 | SN | 1 | -34.354 | 22.545 | 0.005 | -34.846 | 24.225 | 0.485 | -8.541 | 29.287 | 17.844 | -4.737 | 29.899 | 18.873 | 0.116 | 264.158 | 6.515 | 0.116 | 295.79 | 6.569 | 0.116 | 0.785 | 0.0 | 0.116 | 0.385 | 0.0 |
| 103 | 12084 | 12085 | SN | 1 | -34.937 | 21.428 | 0.0 | -33.045 | 24.632 | 0.612 | -9.585 | 29.646 | 15.553 | -12.561 | 29.466 | 13.457 | 0.116 | 302.139 | 4.094 | 0.116 | 195.452 | 3.409 | 0.116 | 0.972 | 0.0 | 0.116 | 1.838 | 0.002 |
| 104 | 12084 | 12085 | NS | 1 | -34.968 | 27.603 | 0.722 | -33.466 | 28.451 | 0.655 | -2.254 | 31.157 | 20.404 | -2.696 | 30.813 | 36.877 | 0.116 | 304.228 | 1.298 | 0.116 | 215.334 | 1.207 | 0.116 | 0.262 | 0.0 | 0.116 | 0.279 | 0.0 |
| 105 | 12084 | 12085 | NS | 2 | -34.968 | 27.603 | 0.722 | -33.466 | 28.451 | 0.655 | -2.254 | 31.157 | 20.404 | -2.696 | 30.813 | 36.877 | 0.116 | 304.228 | 1.298 | 0.116 | 215.334 | 1.207 | 0.116 | 0.262 | 0.0 | 0.116 | 0.279 | 0.0 |
| 106 | 12085 | 12086 | SN | 1 | -34.787 | 23.091 | 0.042 | -34.906 | 25.142 | 1.513 | -13.878 | 29.072 | 16.269 | -10.411 | 29.166 | 17.135 | 0.116 | 291.834 | 4.43 | 0.116 | 299.95 | 3.43 | 0.116 | 2.457 | 0.015 | 0.116 | 1.156 | 0.002 |
| 107 | 12085 | 12086 | NS | 1 | -34.968 | 26.507 | 1.457 | -34.835 | 28.081 | 1.133 | 4.697 | 30.009 | 16.275 | 6.946 | 33.074 | 24.979 | 0.116 | 304.225 | 2.133 | 0.116 | 310.293 | 1.828 | 0.116 | 0.142 | 0.0 | 0.116 | 0.131 | 0.0 |
| 108 | 12085 | 12086 | SN | 2 | -34.787 | 23.091 | 0.042 | -34.906 | 25.142 | 1.513 | -13.878 | 29.072 | 16.27 | -10.411 | 29.166 | 17.135 | 0.116 | 291.834 | 4.43 | 0.116 | 299.95 | 3.43 | 0.116 | 2.457 | 0.015 | 0.116 | 1.156 | 0.002 |
| 109 | 12085 | 12086 | NS | 1 | -34.363 | 26.507 | 1.457 | -34.761 | 28.084 | 1.133 | 4.697 | 30.009 | 16.217 | 6.948 | 33.078 | 24.894 | 0.116 | 264.752 | 2.136 | 0.116 | 290.125 | 1.831 | 0.116 | 0.142 | 0.0 | 0.116 | 0.131 | 0.0 |
| 110 | 12086 | 12087 | NS | 1 | -33.986 | 28.607 | 2.383 | -34.895 | 25.762 | 2.2 | 12.184 | 29.336 | 31.612 | 11.098 | 29.703 | 46.802 | 0.116 | 242.664 | 1.849 | 0.116 | 299.259 | 1.542 | 0.116 | 0.12 | 0.0 | 0.116 | 0.122 | 0.0 |
| 111 | 12086 | 12087 | SN | 2 | -34.809 | 24.695 | 0.27 | -33.076 | 25.357 | 3.565 | -20.055 | 29.418 | 14.889 | -18.358 | 30.625 | 16.136 | 0.116 | 293.329 | 2.557 | 0.116 | 196.827 | 2.252 | 0.116 | 9.902 | 0.005 | 0.116 | 6.73 | 0.005 |

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

Normal

Deviations

Alarming

High Errors

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|-------|-------|-------|--------|-------|
| 112 | 12086 | 12087 | NS | 1 | -34.889 | 28.607 | 2.381 | -33.983 | 25.762 | 2.197 | 12.184 | 29.341 | 31.616 | 11.098 | 29.703 | 46.774 | 0.116 | 298.796 | 1.854 | 0.116 | 242.552 | 1.538 | 0.116 | 0.12 | 0.0 | 0.116 | 0.122 | 0.0 |
| 113 | 12086 | 12087 | SN | 1 | -34.809 | 24.695 | 0.27 | -33.076 | 25.357 | 3.565 | -20.055 | 29.418 | 14.889 | -18.358 | 30.625 | 16.136 | 0.116 | 293.329 | 2.557 | 0.116 | 196.827 | 2.252 | 0.116 | 9.902 | 0.005 | 0.116 | 6.73 | 0.005 |
| 114 | 12087 | 12088 | SN | 1 | -34.374 | 24.782 | 0.245 | -34.608 | 25.708 | 3.112 | -9.395 | 30.697 | 24.031 | -26.846 | 30.048 | 26.264 | 0.116 | 265.41 | 4.466 | 0.116 | 280.09 | 4.405 | 0.116 | 0.935 | 0.0 | 0.116 | 46.958 | 0.075 |
| 115 | 12087 | 12088 | NS | 1 | -34.923 | 26.372 | 1.858 | -34.871 | 26.655 | 1.619 | 11.864 | 28.589 | 33.928 | 11.744 | 29.833 | 46.781 | 0.116 | 301.14 | 2.64 | 0.116 | 297.5 | 2.409 | 0.116 | 0.121 | 0.0 | 0.116 | 0.121 | 0.0 |
| 116 | 12087 | 12088 | SN | 1 | -34.95 | 24.782 | 0.244 | -34.464 | 25.708 | 3.103 | -9.396 | 30.697 | 24.011 | -25.926 | 30.048 | 26.247 | 0.116 | 302.95 | 4.465 | 0.116 | 270.871 | 4.4 | 0.116 | 0.935 | 0.0 | 0.116 | 38.008 | 0.075 |
| 117 | 12087 | 12088 | NS | 1 | -34.914 | 26.372 | 1.856 | -34.982 | 26.655 | 1.617 | 11.864 | 28.589 | 33.928 | 11.742 | 29.833 | 46.777 | 0.116 | 300.491 | 2.638 | 0.116 | 305.201 | 2.405 | 0.116 | 0.121 | 0.0 | 0.116 | 0.121 | 0.0 |
| 118 | 12087 | 12088 | NS | 1 | -34.923 | 26.372 | 1.858 | -34.871 | 26.655 | 1.62 | 11.863 | 28.139 | 26.877 | 11.733 | 29.84 | 47.56 | 0.116 | 301.14 | 2.641 | 0.116 | 297.5 | 2.408 | 0.116 | 0.121 | 0.0 | 0.116 | 0.121 | 0.0 |
| 119 | 12088 | 12089 | NS | 1 | -34.82 | 26.038 | 1.787 | -34.765 | 26.341 | 0.604 | -0.298 | 29.099 | 29.772 | 8.325 | 29.517 | 42.565 | 0.116 | 294.011 | 3.561 | 0.116 | 290.429 | 3.406 | 0.116 | 0.206 | 0.0 | 0.116 | 0.127 | 0.0 |
| 120 | 12088 | 12089 | SN | 1 | -34.815 | 23.946 | 0.344 | -34.968 | 25.79 | 2.542 | 7.69 | 29.017 | 43.5 | 7.692 | 29.926 | 55.166 | 0.116 | 293.761 | 4.475 | 0.116 | 304.262 | 3.581 | 0.116 | 0.129 | 0.0 | 0.116 | 0.129 | 0.0 |
| 121 | 12088 | 12089 | SN | 2 | -34.815 | 23.946 | 0.344 | -34.968 | 25.79 | 2.542 | 7.69 | 29.017 | 43.5 | 7.692 | 29.926 | 55.166 | 0.116 | 293.761 | 4.475 | 0.116 | 304.262 | 3.581 | 0.116 | 0.129 | 0.0 | 0.116 | 0.129 | 0.0 |
| 122 | 12088 | 12089 | NS | 2 | -34.82 | 26.038 | 1.787 | -34.765 | 26.341 | 0.604 | -0.298 | 29.099 | 29.771 | 8.325 | 29.517 | 42.565 | 0.116 | 294.011 | 3.561 | 0.116 | 290.429 | 3.406 | 0.116 | 0.206 | 0.0 | 0.116 | 0.127 | 0.0 |
| 123 | 12088 | 12089 | NS | 1 | -34.82 | 26.021 | 1.747 | -34.765 | 26.332 | 0.604 | -0.298 | 27.559 | 14.225 | 8.329 | 28.954 | 22.127 | 0.116 | 294.011 | 3.56 | 0.116 | 290.429 | 3.404 | 0.116 | 0.206 | 0.0 | 0.116 | 0.127 | 0.0 |
| 124 | 12089 | 12090 | SN | 1 | -34.716 | 21.214 | 0.0 | -31.747 | 24.644 | 0.128 | 6.761 | 28.05 | 17.429 | 10.282 | 29.983 | 23.437 | 0.116 | 287.098 | 2.109 | 0.116 | 144.998 | 1.555 | 0.116 | 0.132 | 0.0 | 0.116 | 0.123 | 0.0 |
| 125 | 12089 | 12090 | NS | 2 | -34.818 | 26.123 | 1.836 | -32.816 | 26.251 | 0.356 | 6.6 | 29.195 | 19.309 | 6.883 | 29.616 | 30.094 | 0.116 | 293.938 | 2.089 | 0.116 | 185.397 | 1.871 | 0.116 | 0.133 | 0.0 | 0.116 | 0.132 | 0.0 |
| 126 | 12089 | 12090 | SN | 1 | -34.812 | 24.086 | 0.722 | -34.499 | 25.982 | 2.947 | 6.761 | 28.05 | 18.368 | 10.282 | 29.984 | 23.795 | 0.116 | 293.473 | 2.044 | 0.116 | 273.15 | 1.418 | 0.116 | 0.132 | 0.0 | 0.116 | 0.123 | 0.0 |
| 127 | 12089 | 12090 | NS | 1 | -34.857 | 26.123 | 1.836 | -32.792 | 26.251 | 0.356 | 6.6 | 29.195 | 19.309 | 6.883 | 29.616 | 30.094 | 0.116 | 296.535 | 2.089 | 0.116 | 184.369 | 1.871 | 0.116 | 0.133 | 0.0 | 0.116 | 0.132 | 0.0 |
| 128 | 12089 | 12090 | NS | 1 | -34.857 | 24.698 | 1.682 | -33.133 | 26.213 | 0.255 | 7.636 | 27.265 | 10.078 | 6.88 | 27.04 | 14.893 | 0.116 | 296.535 | 1.297 | 0.116 | 199.479 | 1.862 | 0.116 | 0.129 | 0.0 | 0.116 | 0.132 | 0.0 |
| 129 | 12089 | 12090 | SN | 1 | -34.716 | 24.086 | 0.724 | -31.747 | 25.982 | 2.95 | 6.761 | 28.05 | 18.363 | 10.282 | 29.983 | 23.738 | 0.116 | 287.098 | 2.05 | 0.116 | 144.998 | 1.419 | 0.116 | 0.132 | 0.0 | 0.116 | 0.123 | 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 | 12061 | 12062 | SN | 1 | 57.697 | 58.339 | 0.0 | 0.0 | 280.807 | 3.533 | 1236.672 | 1272.84 | 0.0 | -93.154 | -92.13 | 0.0 |
| 2 | 12061 | 12062 | NS | 1 | 57.385 | 58.076 | 0.0 | 0.0 | 290.431 | 3.959 | 1191.192 | 1264.912 | 36.447 | -93.074 | -91.754 | 0.0 |
| 3 | 12061 | 12062 | NS | 2 | 57.385 | 58.076 | 0.0 | 0.0 | 290.431 | 3.959 | 1191.192 | 1264.912 | 36.447 | -93.074 | -91.754 | 0.0 |
| 4 | 12061 | 12062 | SN | 1 | 57.692 | 58.339 | 0.0 | 0.0 | 280.807 | 3.528 | 1236.704 | 1272.84 | 0.0 | -93.154 | -92.13 | 0.0 |
| 5 | 12062 | 12063 | SN | 1 | 57.666 | 58.339 | 0.0 | 0.003 | 276.721 | 2.874 | 1236.264 | 1273.104 | 0.0 | -93.152 | -92.142 | 0.0 |
| 6 | 12062 | 12063 | SN | 1 | 57.666 | 58.339 | 0.0 | 0.003 | 276.721 | 2.877 | 1236.016 | 1273.104 | 0.0 | -93.152 | -92.142 | 0.0 |
| 7 | 12062 | 12063 | NS | 2 | 57.41 | 58.077 | 0.0 | 0.0 | 297.65 | 3.564 | 1191.56 | 1265.24 | 39.614 | -93.395 | -91.763 | 0.0 |
| 8 | 12062 | 12063 | NS | 1 | 57.41 | 58.077 | 0.0 | 0.0 | 297.65 | 3.564 | 1191.56 | 1265.24 | 39.613 | -93.395 | -91.763 | 0.0 |
| 9 | 12062 | 12063 | SN | 1 | 57.684 | 58.339 | 0.0 | 0.003 | 283.807 | 2.902 | 1236.016 | 1273.104 | 0.0 | -93.152 | -92.142 | 0.0 |
| 10 | 12063 | 12064 | SN | 1 | 57.668 | 58.341 | 0.0 | 0.0 | 287.138 | 3.436 | 1236.504 | 1273.072 | 0.0 | -93.425 | -92.145 | 0.0 |
| 11 | 12063 | 12064 | NS | 1 | 57.396 | 58.077 | 0.0 | 0.0 | 297.826 | 3.696 | 1191.464 | 1265.328 | 40.046 | -93.57 | -91.776 | 0.0 |
| 12 | 12063 | 12064 | SN | 1 | 57.668 | 58.331 | 0.0 | 0.0 | 287.166 | 3.436 | 1236.512 | 1273.08 | 0.0 | -93.425 | -92.145 | 0.0 |
| 13 | 12063 | 12064 | SN | 1 | 57.676 | 58.341 | 0.0 | 0.0 | 287.138 | 3.098 | 1236.504 | 1273.072 | 0.0 | -93.425 | -92.158 | 0.0 |
| 14 | 12063 | 12064 | NS | 1 | 57.395 | 58.077 | 0.0 | 0.0 | 297.705 | 3.792 | 1191.456 | 1265.336 | 39.97 | -93.57 | -91.776 | 0.0 |
| 15 | 12064 | 12065 | NS | 1 | 57.38 | 58.076 | 0.0 | 0.0 | 297.975 | 3.764 | 1191.984 | 1265.296 | 38.791 | -93.572 | -91.757 | 0.0 |
| 16 | 12064 | 12065 | SN | 1 | 57.69 | 58.354 | 0.0 | 0.003 | 298.384 | 3.221 | 1236.152 | 1273.568 | 0.0 | -93.165 | -92.136 | 0.0 |
| 17 | 12064 | 12065 | SN | 2 | 57.69 | 58.354 | 0.0 | 0.003 | 298.384 | 3.577 | 1236.152 | 1273.568 | 0.0 | -93.165 | -92.136 | 0.0 |
| 18 | 12064 | 12065 | NS | 1 | 57.375 | 58.085 | 0.0 | 0.0 | 297.926 | 3.761 | 1192.344 | 1265.304 | 38.76 | -93.572 | -91.757 | 0.0 |
| 19 | 12064 | 12065 | SN | 1 | 57.69 | 58.354 | 0.0 | 0.0 | 298.384 | 3.577 | 1236.152 | 1273.568 | 0.0 | -93.165 | -92.136 | 0.0 |
| 20 | 12065 | 12066 | SN | 1 | 57.681 | 58.34 | 0.0 | 0.0 | 291.655 | 3.258 | 1235.808 | 1273.816 | 0.0 | -93.791 | -92.166 | 0.0 |
| 21 | 12065 | 12066 | SN | 1 | 57.681 | 58.34 | 0.0 | 0.0 | 292.312 | 3.695 | 1235.808 | 1273.816 | 0.0 | -93.791 | -92.145 | 0.0 |
| 22 | 12065 | 12066 | NS | 2 | 57.388 | 58.087 | 0.0 | 0.0 | 296.856 | 3.764 | 1192.28 | 1265.248 | 39.66 | -93.202 | -91.769 | 0.0 |
| 23 | 12065 | 12066 | SN | 1 | 57.682 | 58.34 | 0.0 | 0.0 | 292.312 | 3.69 | 1235.808 | 1273.832 | 0.0 | -93.791 | -92.145 | 0.0 |
| 24 | 12065 | 12066 | NS | 1 | 57.388 | 58.087 | 0.0 | 0.0 | 296.817 | 3.764 | 1192.272 | 1265.264 | 39.66 | -93.202 | -91.769 | 0.0 |
| 25 | 12066 | 12067 | SN | 2 | 57.685 | 58.347 | 0.0 | 0.0 | 289.102 | 3.674 | 1235.776 | 1273.04 | 0.0 | -93.164 | -92.148 | 0.0 |
| 26 | 12066 | 12067 | SN | 1 | 57.685 | 58.347 | 0.0 | 0.0 | 287.1 | 3.007 | 1235.776 | 1273.04 | 0.0 | -93.164 | -92.167 | 0.0 |
| 27 | 12066 | 12067 | NS | 1 | 57.408 | 58.075 | 0.0 | 0.0 | 297.683 | 3.761 | 1191.432 | 1265.152 | 41.11 | -93.018 | -91.771 | 0.0 |
| 28 | 12066 | 12067 | SN | 1 | 57.685 | 58.347 | 0.0 | 0.0 | 289.102 | 3.674 | 1235.776 | 1273.04 | 0.0 | -93.164 | -92.148 | 0.0 |
| 29 | 12066 | 12067 | NS | 1 | 57.408 | 58.075 | 0.0 | 0.0 | 297.683 | 3.765 | 1191.432 | 1265.152 | 41.154 | -93.038 | -91.771 | 0.0 |
| 30 | 12067 | 12068 | NS | 1 | 57.407 | 58.077 | 0.0 | 0.0 | 292.786 | 3.757 | 1191.288 | 1265.304 | 41.51 | -93.567 | -91.77 | 0.0 |
| 31 | 12067 | 12068 | NS | 1 | 57.407 | 58.077 | 0.0 | 0.0 | 292.786 | 3.753 | 1191.288 | 1265.304 | 41.466 | -93.567 | -91.77 | 0.0 |
| 32 | 12067 | 12068 | SN | 2 | 57.661 | 58.364 | 0.0 | 0.0 | 286.714 | 3.765 | 1236.496 | 1273.792 | 0.0 | -94.698 | -92.146 | 0.0 |
| 33 | 12067 | 12068 | SN | 1 | 57.661 | 58.364 | 0.0 | 0.0 | 286.714 | 3.765 | 1236.488 | 1273.784 | 0.0 | -94.698 | -92.146 | 0.0 |
| 34 | 12067 | 12068 | SN | 1 | 57.661 | 58.364 | 0.0 | 0.0 | 285.087 | 3.156 | 1236.496 | 1273.792 | 0.0 | -94.698 | -92.147 | 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 | 12068 | 12069 | SN | 1 | 57.693 | 58.351 | 0.0 | 0.003 | 286.427 | 2.319 | 1236.616 | 1273.424 | 0.0 | -93.303 | -92.122 | 0.0 |
| 36 | 12068 | 12069 | NS | 1 | 57.371 | 58.085 | 0.0 | 0.0 | 296.735 | 3.732 | 1191.76 | 1265.584 | 41.77 | -93.567 | -91.765 | 0.0 |
| 37 | 12068 | 12069 | NS | 1 | 57.376 | 58.082 | 0.0 | 0.0 | 296.735 | 3.743 | 1191.76 | 1265.584 | 41.731 | -93.567 | -91.765 | 0.0 |
| 38 | 12068 | 12069 | SN | 2 | 57.693 | 58.351 | 0.0 | 0.003 | 286.427 | 3.683 | 1236.616 | 1273.424 | 0.0 | -93.303 | -92.122 | 0.0 |
| 39 | 12068 | 12069 | SN | 1 | 57.693 | 58.351 | 0.0 | 0.003 | 286.427 | 3.683 | 1236.616 | 1273.424 | 0.0 | -93.303 | -92.122 | 0.0 |
| 40 | 12069 | 12070 | NS | 1 | 57.368 | 58.08 | 0.0 | 0.0 | 295.891 | 4.049 | 1191.888 | 1265.688 | 41.465 | -93.567 | -91.727 | 0.0 |
| 41 | 12069 | 12070 | SN | 1 | 57.681 | 58.37 | 0.0 | 0.0 | 288.534 | 3.459 | 1235.992 | 1273.536 | 0.0 | -94.381 | -92.117 | 0.0 |
| 42 | 12070 | 12071 | SN | 1 | 57.683 | 58.347 | 0.0 | 0.003 | 296.045 | 2.994 | 1236.272 | 1273.488 | 0.0 | -93.254 | -92.138 | 0.0 |
| 43 | 12070 | 12071 | SN | 1 | 57.694 | 58.347 | 0.0 | 0.003 | 264.632 | 2.98 | 1236.88 | 1273.472 | 0.0 | -93.244 | -92.14 | 0.0 |
| 44 | 12070 | 12071 | NS | 1 | 57.389 | 58.102 | 0.0 | 0.0 | 298.836 | 3.864 | 1191.208 | 1266.04 | 42.056 | -93.313 | -91.758 | 0.0 |
| 45 | 12071 | 12072 | SN | 1 | 57.675 | 58.335 | 0.0 | 0.0 | 292.609 | 3.746 | 1236.744 | 1273.624 | 0.0 | -93.767 | -92.143 | 0.0 |
| 46 | 12071 | 12072 | NS | 1 | 57.374 | 58.073 | 0.0 | 0.003 | 298.554 | 3.411 | 1191.016 | 1264.96 | 41.997 | -93.527 | -91.773 | 0.0 |
| 47 | 12071 | 12072 | NS | 1 | 57.375 | 58.08 | 0.0 | 0.0 | 298.56 | 3.718 | 1191.528 | 1265.696 | 41.663 | -93.527 | -91.773 | 0.0 |
| 48 | 12071 | 12072 | SN | 1 | 57.674 | 58.364 | 0.0 | 0.0 | 292.609 | 3.75 | 1235.816 | 1273.624 | 0.0 | -93.767 | -92.143 | 0.0 |
| 49 | 12072 | 12073 | NS | 1 | 57.404 | 58.084 | 0.0 | 0.0 | 297.672 | 2.903 | 1191.376 | 1261.136 | 43.851 | -93.065 | -91.77 | 0.0 |
| 50 | 12072 | 12073 | SN | 1 | 57.657 | 58.358 | 0.0 | 0.0 | 290.315 | 3.654 | 1235.928 | 1273.84 | 0.0 | -93.31 | -92.145 | 0.0 |
| 51 | 12072 | 12073 | NS | 1 | 57.404 | 58.346 | 0.0 | 0.0 | 299.823 | 3.623 | 1191.376 | 1269.608 | 41.965 | -95.161 | -91.77 | 0.0 |
| 52 | 12072 | 12073 | NS | 2 | 57.404 | 58.084 | 0.0 | 0.0 | 297.672 | 2.903 | 1191.376 | 1261.136 | 43.851 | -93.065 | -91.77 | 0.0 |
| 53 | 12073 | 12074 | NS | 1 | 57.368 | 58.084 | 0.0 | 0.0 | 297.104 | 3.813 | 1190.816 | 1266.096 | 42.31 | -94.492 | -91.769 | 0.0 |
| 54 | 12073 | 12074 | SN | 1 | 57.663 | 58.354 | 0.0 | 0.0 | 288.804 | 3.635 | 1235.712 | 1274.392 | 0.0 | -93.174 | -92.141 | 0.0 |
| 55 | 12073 | 12074 | NS | 1 | 57.368 | 58.081 | 0.0 | 0.0 | 297.104 | 3.7 | 1190.816 | 1265.816 | 42.37 | -94.492 | -91.769 | 0.0 |
| 56 | 12074 | 12075 | NS | 1 | 57.366 | 58.083 | 0.0 | 0.0 | 297.744 | 4.03 | 1190.64 | 1266.192 | 41.515 | -93.22 | -91.763 | 0.0 |
| 57 | 12074 | 12075 | NS | 1 | 57.366 | 58.084 | 0.0 | 0.0 | 297.744 | 4.039 | 1190.552 | 1266.208 | 41.414 | -93.22 | -91.763 | 0.0 |
| 58 | 12074 | 12075 | SN | 1 | 57.675 | 58.375 | 0.0 | 0.0 | 288.379 | 2.518 | 1235.936 | 1274.608 | 0.0 | -93.164 | -92.173 | 0.0 |
| 59 | 12074 | 12075 | NS | 1 | 57.366 | 58.063 | 0.0 | 0.0 | 297.744 | 2.352 | 1190.552 | 1254.048 | 47.271 | -93.22 | -91.763 | 0.0 |
| 60 | 12074 | 12075 | SN | 1 | 57.675 | 58.375 | 0.0 | 0.0 | 288.379 | 3.734 | 1236.216 | 1274.608 | 0.0 | -93.164 | -92.14 | 0.0 |
| 61 | 12075 | 12076 | SN | 1 | 57.67 | 58.339 | 0.0 | 0.003 | 299.288 | 3.213 | 1236.256 | 1274.68 | 0.0 | -93.399 | -92.151 | 0.0 |
| 62 | 12075 | 12076 | SN | 1 | 57.67 | 58.339 | 0.0 | 0.0 | 299.773 | 3.873 | 1236.256 | 1274.68 | 0.0 | -93.399 | -92.142 | 0.0 |
| 63 | 12075 | 12076 | NS | 1 | 57.379 | 58.083 | 0.0 | 0.0 | 299.691 | 3.928 | 1191.072 | 1266.256 | 38.136 | -93.561 | -91.765 | 0.0 |
| 64 | 12075 | 12076 | SN | 1 | 57.67 | 58.339 | 0.0 | 0.0 | 299.757 | 3.876 | 1236.256 | 1274.68 | 0.0 | -93.399 | -92.142 | 0.0 |
| 65 | 12075 | 12076 | NS | 1 | 57.384 | 58.088 | 0.0 | 0.0 | 299.691 | 3.902 | 1190.848 | 1266.256 | 38.168 | -93.561 | -91.765 | 0.0 |
| 66 | 12076 | 12077 | SN | 1 | 57.69 | 58.37 | 0.0 | 0.0 | 295.014 | 3.681 | 1236.424 | 1274.12 | 0.0 | -93.271 | -92.137 | 0.0 |
| 67 | 12076 | 12077 | SN | 1 | 57.69 | 58.369 | 0.0 | 0.0 | 295.014 | 3.677 | 1236.424 | 1274.12 | 0.0 | -93.271 | -92.137 | 0.0 |
| 68 | 12076 | 12077 | SN | 1 | 57.69 | 58.37 | 0.0 | 0.0 | 295.014 | 3.379 | 1236.488 | 1274.12 | 0.0 | -93.271 | -92.137 | 0.0 |
| 69 | 12076 | 12077 | NS | 1 | 57.382 | 58.09 | 0.0 | 0.0 | 299.795 | 3.744 | 1191.56 | 1266.304 | 37.875 | -93.562 | -91.756 | 0.0 |
| 70 | 12076 | 12077 | NS | 1 | 57.382 | 58.086 | 0.0 | 0.0 | 299.801 | 3.757 | 1191.552 | 1266.304 | 37.856 | -93.562 | -91.756 | 0.0 |
| 71 | 12077 | 12078 | SN | 1 | 57.663 | 58.337 | 0.0 | 0.003 | 291.186 | 2.907 | 1235.872 | 1274.424 | 0.0 | -93.187 | -92.147 | 0.0 |

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

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|  Normal |  Deviations |
|  Alarming |  High Errors |

| | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|--------|--------|-------|-------|---------|-------|----------|----------|--------|---------|---------|-----|
| 72 | 12077 | 12078 | SN | 1 | 57.661 | 58.337 | 0.0 | 0.003 | 291.164 | 2.879 | 1235.744 | 1274.424 | 0.0 | -93.187 | -92.149 | 0.0 |
| 73 | 12077 | 12078 | SN | 1 | 57.652 | 58.337 | 0.0 | 0.003 | 291.186 | 2.903 | 1235.976 | 1274.424 | 0.0 | -93.187 | -92.147 | 0.0 |
| 74 | 12077 | 12078 | NS | 1 | 57.133 | 58.087 | 0.001 | 0.0 | 293.106 | 4.038 | 1183.968 | 1266.592 | 39.249 | -94.429 | -91.741 | 0.0 |
| 75 | 12078 | 12079 | SN | 1 | 57.66 | 58.364 | 0.0 | 0.003 | 290.508 | 3.427 | 1235.192 | 1274.2 | 0.0 | -93.139 | -92.14 | 0.0 |
| 76 | 12078 | 12079 | NS | 1 | 57.39 | 58.088 | 0.0 | 0.0 | 293.652 | 3.846 | 1191.256 | 1266.648 | 39.753 | -93.705 | -91.772 | 0.0 |
| 77 | 12078 | 12079 | SN | 1 | 57.661 | 58.365 | 0.0 | 0.003 | 290.547 | 3.103 | 1235.192 | 1274.232 | 0.0 | -93.139 | -92.155 | 0.0 |
| 78 | 12078 | 12079 | NS | 1 | 57.391 | 58.087 | 0.0 | 0.0 | 293.69 | 3.948 | 1191.312 | 1266.608 | 39.751 | -93.705 | -91.772 | 0.0 |
| 79 | 12078 | 12079 | SN | 2 | 57.661 | 58.365 | 0.0 | 0.003 | 290.547 | 3.426 | 1235.192 | 1274.232 | 0.0 | -93.139 | -92.14 | 0.0 |
| 80 | 12079 | 12080 | SN | 1 | 57.647 | 58.363 | 0.0 | 0.003 | 288.997 | 3.222 | 1235.52 | 1274.136 | 0.0 | -93.184 | -92.161 | 0.0 |
| 81 | 12079 | 12080 | SN | 1 | 57.647 | 58.363 | 0.0 | 0.003 | 289.074 | 3.621 | 1235.52 | 1274.136 | 0.0 | -93.184 | -92.14 | 0.0 |
| 82 | 12079 | 12080 | NS | 1 | 57.404 | 58.087 | 0.0 | 0.003 | 296.768 | 3.703 | 1191.904 | 1266.584 | 39.735 | -93.051 | -91.734 | 0.0 |
| 83 | 12079 | 12080 | SN | 2 | 57.647 | 58.363 | 0.0 | 0.0 | 289.069 | 3.621 | 1235.52 | 1274.136 | 0.0 | -93.184 | -92.14 | 0.0 |
| 84 | 12079 | 12080 | NS | 1 | 57.404 | 58.087 | 0.0 | 0.003 | 296.768 | 3.699 | 1191.904 | 1266.584 | 39.761 | -93.022 | -91.734 | 0.0 |
| 85 | 12080 | 12081 | SN | 1 | 57.683 | 58.356 | 0.0 | 0.003 | 289.609 | 3.563 | 1235.328 | 1274.16 | 0.0 | -93.238 | -92.138 | 0.0 |
| 86 | 12080 | 12081 | SN | 1 | 57.683 | 58.356 | 0.0 | 0.003 | 289.609 | 3.56 | 1235.328 | 1274.16 | 0.0 | -93.238 | -92.138 | 0.0 |
| 87 | 12080 | 12081 | NS | 2 | 57.376 | 58.091 | 0.0 | 0.0 | 297.964 | 3.953 | 1191.6 | 1266.568 | 40.705 | -93.557 | -91.759 | 0.0 |
| 88 | 12080 | 12081 | NS | 1 | 57.377 | 58.092 | 0.0 | 0.0 | 297.964 | 3.951 | 1191.616 | 1266.552 | 40.7 | -93.557 | -91.759 | 0.0 |
| 89 | 12081 | 12082 | SN | 1 | 57.668 | 58.356 | 0.0 | 0.003 | 298.384 | 2.885 | 1235.672 | 1274.232 | 0.0 | -93.148 | -92.163 | 0.0 |
| 90 | 12081 | 12082 | SN | 1 | 57.666 | 58.356 | 0.0 | 0.0 | 298.913 | 3.686 | 1235.616 | 1274.232 | 0.0 | -93.167 | -92.139 | 0.0 |
| 91 | 12081 | 12082 | SN | 1 | 57.668 | 58.356 | 0.0 | 0.0 | 298.88 | 3.689 | 1235.672 | 1274.232 | 0.0 | -93.148 | -92.138 | 0.0 |
| 92 | 12081 | 12082 | NS | 2 | 57.38 | 58.088 | 0.0 | 0.0 | 299.525 | 3.754 | 1190.888 | 1266.592 | 41.567 | -93.156 | -91.77 | 0.0 |
| 93 | 12081 | 12082 | NS | 1 | 57.374 | 58.087 | 0.0 | 0.0 | 299.558 | 3.751 | 1190.912 | 1266.576 | 41.562 | -93.156 | -91.77 | 0.0 |
| 94 | 12082 | 12083 | NS | 1 | 57.373 | 58.089 | 0.0 | 0.0 | 291.286 | 3.846 | 1191.432 | 1266.752 | 40.778 | -93.557 | -91.77 | 0.0 |
| 95 | 12082 | 12083 | SN | 1 | 57.687 | 58.359 | 0.0 | 0.0 | 293.96 | 3.513 | 1235.936 | 1274.568 | 0.0 | -93.171 | -92.132 | 0.0 |
| 96 | 12082 | 12083 | SN | 1 | 57.677 | 58.369 | 0.0 | 0.0 | 294.005 | 3.51 | 1235.872 | 1274.536 | 0.0 | -93.568 | -92.132 | 0.0 |
| 97 | 12082 | 12083 | NS | 1 | 57.372 | 58.09 | 0.0 | 0.0 | 291.247 | 3.846 | 1191.384 | 1266.784 | 40.832 | -93.557 | -91.77 | 0.0 |
| 98 | 12082 | 12083 | SN | 1 | 57.687 | 58.359 | 0.0 | 0.0 | 293.778 | 2.324 | 1236.488 | 1274.568 | 0.0 | -93.171 | -92.156 | 0.0 |
| 99 | 12083 | 12084 | SN | 2 | 57.666 | 58.36 | 0.0 | 0.0 | 292.118 | 3.603 | 1236.088 | 1274.744 | 0.0 | -93.185 | -92.104 | 0.0 |
| 100 | 12083 | 12084 | NS | 2 | 57.367 | 58.091 | 0.0 | 0.0 | 295.527 | 3.974 | 1191.36 | 1266.96 | 42.129 | -93.556 | -91.742 | 0.0 |
| 101 | 12083 | 12084 | NS | 1 | 57.366 | 58.089 | 0.0 | 0.0 | 295.676 | 3.974 | 1191.416 | 1266.912 | 42.126 | -93.556 | -91.742 | 0.0 |
| 102 | 12083 | 12084 | SN | 1 | 57.666 | 58.36 | 0.0 | 0.0 | 292.118 | 3.603 | 1236.088 | 1274.744 | 0.0 | -93.185 | -92.104 | 0.0 |
| 103 | 12084 | 12085 | SN | 1 | 57.679 | 58.361 | 0.0 | 0.0 | 288.892 | 3.0 | 1235.848 | 1274.792 | 0.0 | -93.179 | -92.118 | 0.0 |
| 104 | 12084 | 12085 | NS | 1 | 57.182 | 58.09 | 0.0 | 0.0 | 297.683 | 4.071 | 1184.664 | 1266.96 | 41.492 | -93.677 | -91.744 | 0.0 |
| 105 | 12084 | 12085 | NS | 2 | 57.182 | 58.09 | 0.0 | 0.0 | 297.683 | 4.071 | 1184.664 | 1266.96 | 41.492 | -93.677 | -91.744 | 0.0 |
| 106 | 12085 | 12086 | SN | 1 | 57.663 | 58.351 | 0.0 | 0.0 | 291.562 | 3.779 | 1235.824 | 1274.784 | 0.0 | -93.864 | -92.125 | 0.0 |
| 107 | 12085 | 12086 | NS | 1 | 57.384 | 58.091 | 0.0 | 0.0 | 299.492 | 3.777 | 1190.776 | 1266.992 | 42.257 | -93.004 | -91.767 | 0.0 |
| 108 | 12085 | 12086 | SN | 2 | 57.663 | 58.351 | 0.0 | 0.0 | 291.562 | 3.778 | 1235.832 | 1274.768 | 0.0 | -93.864 | -92.125 | 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 |

| | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|--------|--------|-----|-------|---------|-------|----------|----------|--------|---------|---------|-----|
| 109 | 12085 | 12086 | NS | 1 | 57.385 | 58.091 | 0.0 | 0.0 | 299.492 | 3.773 | 1190.736 | 1266.992 | 42.285 | -93.046 | -91.767 | 0.0 |
| 110 | 12086 | 12087 | NS | 1 | 57.372 | 58.093 | 0.0 | 0.0 | 298.483 | 3.72 | 1190.808 | 1267.184 | 41.807 | -93.525 | -91.766 | 0.0 |
| 111 | 12086 | 12087 | SN | 2 | 57.662 | 58.378 | 0.0 | 0.0 | 291.22 | 3.712 | 1235.328 | 1274.928 | 0.0 | -93.266 | -92.134 | 0.0 |
| 112 | 12086 | 12087 | NS | 1 | 57.374 | 58.093 | 0.0 | 0.0 | 298.483 | 3.719 | 1191.304 | 1267.192 | 41.815 | -93.525 | -91.766 | 0.0 |
| 113 | 12086 | 12087 | SN | 1 | 57.662 | 58.378 | 0.0 | 0.0 | 291.22 | 3.712 | 1235.328 | 1274.928 | 0.0 | -93.266 | -92.134 | 0.0 |
| 114 | 12087 | 12088 | SN | 1 | 57.638 | 58.465 | 0.0 | 0.0 | 298.599 | 3.793 | 1235.312 | 1275.256 | 0.0 | -95.819 | -92.132 | 0.0 |
| 115 | 12087 | 12088 | NS | 1 | 57.363 | 58.094 | 0.0 | 0.0 | 298.042 | 3.917 | 1191.096 | 1267.304 | 42.655 | -93.552 | -91.765 | 0.0 |
| 116 | 12087 | 12088 | SN | 1 | 57.638 | 58.465 | 0.0 | 0.0 | 298.599 | 3.789 | 1235.312 | 1275.256 | 0.0 | -95.819 | -92.132 | 0.0 |
| 117 | 12087 | 12088 | NS | 1 | 57.375 | 58.094 | 0.0 | 0.0 | 298.042 | 3.913 | 1191.096 | 1267.304 | 42.714 | -93.552 | -91.765 | 0.0 |
| 118 | 12087 | 12088 | NS | 1 | 57.363 | 58.088 | 0.0 | 0.0 | 298.042 | 3.372 | 1191.096 | 1264.952 | 43.585 | -93.552 | -91.765 | 0.0 |
| 119 | 12088 | 12089 | NS | 1 | 57.368 | 58.37 | 0.0 | 0.0 | 294.347 | 3.433 | 1190.624 | 1266.44 | 43.307 | -95.302 | -91.765 | 0.0 |
| 120 | 12088 | 12089 | SN | 1 | 57.672 | 58.347 | 0.0 | 0.0 | 295.753 | 3.613 | 1235.224 | 1275.304 | 0.0 | -93.197 | -92.13 | 0.0 |
| 121 | 12088 | 12089 | SN | 2 | 57.672 | 58.347 | 0.0 | 0.0 | 295.753 | 3.613 | 1235.224 | 1275.304 | 0.0 | -93.197 | -92.13 | 0.0 |
| 122 | 12088 | 12089 | NS | 2 | 57.368 | 58.37 | 0.0 | 0.0 | 294.347 | 3.434 | 1190.624 | 1266.44 | 43.307 | -95.302 | -91.765 | 0.0 |
| 123 | 12088 | 12089 | NS | 1 | 57.368 | 58.37 | 0.0 | 0.0 | 294.347 | 2.296 | 1190.624 | 1258.176 | 47.42 | -95.302 | -91.765 | 0.0 |
| 124 | 12089 | 12090 | SN | 1 | 57.686 | 58.37 | 0.0 | 0.003 | 292.725 | 2.791 | 1235.984 | 1275.936 | 0.0 | -93.197 | -92.174 | 0.0 |
| 125 | 12089 | 12090 | NS | 2 | 57.362 | 58.095 | 0.0 | 0.0 | 297.887 | 4.036 | 1190.584 | 1267.576 | 41.261 | -93.386 | -91.743 | 0.0 |
| 126 | 12089 | 12090 | SN | 1 | 57.686 | 58.373 | 0.0 | 0.0 | 292.725 | 3.846 | 1235.432 | 1275.696 | 0.0 | -93.194 | -92.132 | 0.0 |
| 127 | 12089 | 12090 | NS | 1 | 57.362 | 58.095 | 0.0 | 0.0 | 297.904 | 4.035 | 1190.576 | 1267.576 | 41.269 | -93.386 | -91.743 | 0.0 |
| 128 | 12089 | 12090 | NS | 1 | 57.362 | 58.088 | 0.0 | 0.0 | 297.904 | 2.337 | 1190.576 | 1251.304 | 48.873 | -93.386 | -91.743 | 0.0 |
| 129 | 12089 | 12090 | SN | 1 | 57.686 | 58.37 | 0.0 | 0.0 | 292.725 | 3.847 | 1235.432 | 1275.936 | 0.0 | -93.197 | -92.132 | 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 |

| 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 | 12061 | 12062 | SN | 1 | -34.815 | 18.382 | 0.0 | -34.796 | 18.872 | 0.0 | -7.701 | 22.495 | 0.008 | -9.337 | 21.426 | 0.0 | 0.086 | 224.476 | 4.484 | 0.086 | 223.55 | 3.715 | 0.086 | 0.503 | 0.0 | 0.086 | 0.702 | 0.0 |
| 2 | 12061 | 12062 | NS | 1 | -34.844 | 18.847 | 0.0 | -34.682 | 17.192 | 0.0 | 0.763 | 23.878 | 0.058 | 0.635 | 26.8 | 0.163 | 0.086 | 226.047 | 5.504 | 0.087 | 217.708 | 6.013 | 0.086 | 0.138 | 0.0 | 0.086 | 0.14 | 0.0 |
| 3 | 12061 | 12062 | NS | 2 | -34.844 | 18.847 | 0.0 | -34.682 | 17.192 | 0.0 | 0.763 | 23.878 | 0.058 | 0.635 | 26.8 | 0.163 | 0.086 | 226.047 | 5.503 | 0.087 | 217.708 | 6.013 | 0.086 | 0.138 | 0.0 | 0.086 | 0.14 | 0.0 |
| 4 | 12061 | 12062 | SN | 1 | -34.428 | 18.383 | 0.0 | -34.694 | 18.871 | 0.0 | -7.699 | 22.495 | 0.008 | -9.334 | 21.426 | 0.0 | 0.086 | 205.398 | 4.489 | 0.086 | 218.376 | 3.707 | 0.086 | 0.503 | 0.0 | 0.086 | 0.702 | 0.0 |
| 5 | 12062 | 12063 | SN | 1 | -34.85 | 18.297 | 0.0 | -34.968 | 19.069 | 0.0 | 1.371 | 24.777 | 0.022 | 2.1 | 22.138 | 0.003 | 0.086 | 226.307 | 2.569 | 0.086 | 232.548 | 2.034 | 0.086 | 0.131 | 0.0 | 0.086 | 0.123 | 0.0 |
| 6 | 12062 | 12063 | SN | 1 | -34.98 | 18.292 | 0.0 | -34.968 | 19.069 | 0.0 | 1.369 | 24.774 | 0.022 | 2.1 | 22.132 | 0.003 | 0.086 | 233.207 | 2.577 | 0.086 | 232.548 | 2.034 | 0.086 | 0.131 | 0.0 | 0.086 | 0.123 | 0.0 |
| 7 | 12062 | 12063 | NS | 2 | -31.61 | 18.159 | 0.0 | -34.786 | 18.311 | 0.0 | -15.033 | 22.577 | 0.012 | -11.369 | 23.382 | 0.078 | 0.086 | 107.366 | 2.362 | 0.086 | 222.968 | 2.463 | 0.086 | 2.424 | 0.002 | 0.086 | 1.08 | 0.002 |
| 8 | 12062 | 12063 | NS | 1 | -31.61 | 18.159 | 0.0 | -34.786 | 18.311 | 0.0 | -15.033 | 22.577 | 0.012 | -11.369 | 23.382 | 0.078 | 0.086 | 107.366 | 2.362 | 0.086 | 222.968 | 2.463 | 0.086 | 2.424 | 0.002 | 0.086 | 1.08 | 0.002 |
| 9 | 12062 | 12063 | SN | 1 | -34.643 | 18.677 | 0.0 | -34.968 | 19.069 | 0.0 | 1.369 | 24.774 | 0.022 | 2.1 | 22.132 | 0.003 | 0.086 | 215.766 | 2.533 | 0.086 | 232.548 | 2.003 | 0.086 | 0.131 | 0.0 | 0.086 | 0.123 | 0.0 |
| 10 | 12063 | 12064 | SN | 1 | -34.993 | 17.808 | 0.0 | -34.558 | 17.768 | 0.0 | 1.094 | 22.246 | 0.015 | 1.308 | 20.94 | 0.0 | 0.086 | 233.867 | 2.504 | 0.086 | 211.603 | 2.253 | 0.086 | 0.134 | 0.0 | 0.086 | 0.132 | 0.0 |
| 11 | 12063 | 12064 | NS | 1 | -34.39 | 18.038 | 0.0 | -34.581 | 19.013 | 0.0 | -5.648 | 22.296 | 0.002 | -28.726 | 23.423 | 0.047 | 0.086 | 203.564 | 3.055 | 0.086 | 212.718 | 3.649 | 0.086 | 0.34 | 0.0 | 0.086 | 55.295 | 0.035 |
| 12 | 12063 | 12064 | SN | 1 | -34.993 | 17.808 | 0.0 | -34.558 | 17.768 | 0.0 | 1.094 | 22.246 | 0.015 | 1.308 | 20.94 | 0.0 | 0.086 | 233.867 | 2.505 | 0.086 | 211.603 | 2.253 | 0.086 | 0.134 | 0.0 | 0.086 | 0.132 | 0.0 |
| 13 | 12063 | 12064 | SN | 1 | -34.993 | 17.808 | 0.0 | -34.558 | 17.814 | 0.0 | 1.094 | 22.246 | 0.015 | 1.308 | 20.94 | 0.0 | 0.086 | 233.867 | 2.548 | 0.086 | 211.603 | 2.279 | 0.086 | 0.134 | 0.0 | 0.086 | 0.132 | 0.0 |
| 14 | 12063 | 12064 | NS | 1 | -34.086 | 18.038 | 0.0 | -34.397 | 19.016 | 0.0 | -5.654 | 22.296 | 0.002 | -28.927 | 23.422 | 0.047 | 0.086 | 189.8 | 3.052 | 0.086 | 203.895 | 3.656 | 0.086 | 0.341 | 0.0 | 0.086 | 57.911 | 0.035 |
| 15 | 12064 | 12065 | NS | 1 | -34.167 | 17.242 | 0.0 | -34.024 | 17.89 | 0.0 | -25.508 | 23.01 | 0.006 | -26.385 | 22.944 | 0.031 | 0.087 | 193.379 | 2.852 | 0.086 | 187.129 | 3.108 | 0.086 | 26.388 | 0.01 | 0.086 | 32.282 | 0.03 |
| 16 | 12064 | 12065 | SN | 1 | -34.38 | 16.945 | 0.0 | -33.532 | 17.192 | 0.0 | 0.732 | 22.412 | 0.023 | 1.45 | 22.262 | 0.028 | 0.087 | 203.132 | 1.736 | 0.087 | 167.125 | 1.435 | 0.086 | 0.139 | 0.0 | 0.086 | 0.13 | 0.0 |
| 17 | 12064 | 12065 | SN | 2 | -34.38 | 16.979 | 0.0 | -33.532 | 17.198 | 0.0 | 0.732 | 22.412 | 0.022 | 1.45 | 22.262 | 0.027 | 0.087 | 203.132 | 1.7 | 0.087 | 167.125 | 1.412 | 0.086 | 0.139 | 0.0 | 0.086 | 0.13 | 0.0 |
| 18 | 12064 | 12065 | NS | 1 | -34.882 | 17.242 | 0.0 | -34.925 | 17.89 | 0.0 | -25.395 | 23.007 | 0.006 | -26.05 | 22.944 | 0.031 | 0.087 | 227.93 | 2.852 | 0.086 | 230.28 | 3.104 | 0.086 | 25.719 | 0.01 | 0.086 | 29.892 | 0.03 |
| 19 | 12064 | 12065 | SN | 1 | -34.38 | 16.979 | 0.0 | -33.532 | 17.198 | 0.0 | 0.732 | 22.412 | 0.022 | 1.45 | 22.262 | 0.027 | 0.087 | 203.132 | 1.7 | 0.087 | 167.125 | 1.412 | 0.086 | 0.139 | 0.0 | 0.086 | 0.13 | 0.0 |
| 20 | 12065 | 12066 | SN | 1 | -34.806 | 14.655 | 0.0 | -33.638 | 15.504 | 0.0 | 0.373 | 21.776 | 0.0 | 1.575 | 22.438 | 0.035 | 0.088 | 223.989 | 1.978 | 0.087 | 171.196 | 1.837 | 0.086 | 0.144 | 0.0 | 0.086 | 0.129 | 0.0 |
| 21 | 12065 | 12066 | SN | 1 | -34.806 | 15.169 | 0.0 | -33.638 | 17.088 | 0.0 | 0.373 | 21.776 | 0.0 | 1.575 | 22.438 | 0.033 | 0.087 | 223.989 | 1.928 | 0.087 | 171.196 | 1.792 | 0.086 | 0.144 | 0.0 | 0.086 | 0.129 | 0.0 |
| 22 | 12065 | 12066 | NS | 2 | -34.88 | 17.328 | 0.0 | -31.58 | 16.601 | 0.0 | -18.772 | 23.55 | 0.009 | -14.719 | 22.579 | 0.03 | 0.087 | 227.876 | 2.141 | 0.087 | 106.619 | 2.282 | 0.086 | 5.647 | 0.015 | 0.086 | 2.26 | 0.007 |
| 23 | 12065 | 12066 | SN | 1 | -34.564 | 15.17 | 0.0 | -33.348 | 17.085 | 0.0 | 0.373 | 21.776 | 0.0 | 1.575 | 22.438 | 0.033 | 0.087 | 211.879 | 1.932 | 0.087 | 160.199 | 1.789 | 0.086 | 0.144 | 0.0 | 0.086 | 0.129 | 0.0 |
| 24 | 12065 | 12066 | NS | 1 | -34.92 | 17.328 | 0.0 | -31.743 | 16.601 | 0.0 | -18.772 | 23.55 | 0.009 | -14.719 | 22.579 | 0.03 | 0.087 | 230.022 | 2.141 | 0.087 | 110.67 | 2.282 | 0.086 | 5.647 | 0.015 | 0.086 | 2.26 | 0.007 |
| 25 | 12066 | 12067 | SN | 2 | -34.507 | 15.61 | 0.0 | -34.974 | 17.113 | 0.0 | 0.025 | 21.859 | 0.0 | 4.336 | 21.91 | 0.0 | 0.087 | 209.163 | 3.05 | 0.087 | 232.86 | 2.544 | 0.086 | 0.149 | 0.0 | 0.086 | 0.108 | 0.0 |
| 26 | 12066 | 12067 | SN | 1 | -34.507 | 15.61 | 0.0 | -34.974 | 15.51 | 0.0 | 0.025 | 21.859 | 0.0 | 4.336 | 21.91 | 0.0 | 0.087 | 209.163 | 3.151 | 0.087 | 232.86 | 2.675 | 0.086 | 0.149 | 0.0 | 0.086 | 0.108 | 0.0 |
| 27 | 12066 | 12067 | NS | 1 | -34.026 | 17.921 | 0.0 | -34.846 | 19.256 | 0.0 | -27.473 | 23.922 | 0.005 | -18.455 | 22.494 | 0.039 | 0.086 | 187.24 | 2.185 | 0.086 | 226.139 | 1.992 | 0.086 | 41.448 | 0.08 | 0.086 | 5.254 | 0.012 |
| 28 | 12066 | 12067 | SN | 1 | -34.507 | 15.61 | 0.0 | -34.974 | 17.113 | 0.0 | 0.025 | 21.859 | 0.0 | 4.336 | 21.91 | 0.0 | 0.087 | 209.163 | 3.05 | 0.087 | 232.86 | 2.544 | 0.086 | 0.149 | 0.0 | 0.086 | 0.108 | 0.0 |
| 29 | 12066 | 12067 | NS | 1 | -34.171 | 17.922 | 0.0 | -34.98 | 19.256 | 0.0 | -27.473 | 23.922 | 0.005 | -18.455 | 22.494 | 0.039 | 0.086 | 193.621 | 2.159 | 0.086 | 233.231 | 1.998 | 0.086 | 41.448 | 0.08 | 0.086 | 5.254 | 0.012 |
| 30 | 12067 | 12068 | NS | 1 | -34.844 | 18.099 | 0.0 | -34.379 | 18.427 | 0.0 | 2.11 | 22.078 | 0.023 | 1.43 | 22.757 | 0.143 | 0.086 | 226.018 | 1.906 | 0.086 | 203.031 | 1.747 | 0.086 | 0.123 | 0.0 | 0.086 | 0.13 | 0.0 |
| 31 | 12067 | 12068 | NS | 1 | -34.844 | 18.099 | 0.0 | -34.818 | 18.427 | 0.0 | 2.083 | 22.078 | 0.023 | 1.456 | 22.758 | 0.143 | 0.086 | 226.018 | 1.902 | 0.086 | 224.658 | 1.745 | 0.086 | 0.124 | 0.0 | 0.086 | 0.13 | 0.0 |
| 32 | 12067 | 12068 | SN | 2 | -34.659 | 16.067 | 0.0 | -34.912 | 17.161 | 0.0 | -0.092 | 22.989 | 0.18 | 0.279 | 29.661 | 0.483 | 0.087 | 216.571 | 2.891 | 0.087 | 229.574 | 2.764 | 0.086 | 0.151 | 0.0 | 0.086 | 0.145 | 0.0 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------|-------|----|---|---------|--------|-----|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|-------|--------|-------|
| 33 | 12067 | 12068 | SN | 1 | -34.659 | 16.067 | 0.0 | -34.976 | 17.161 | 0.0 | -0.092 | 22.989 | 0.18 | 0.279 | 29.661 | 0.483 | 0.087 | 216.571 | 2.891 | 0.087 | 232.942 | 2.764 | 0.086 | 0.151 | 0.0 | 0.086 | 0.145 | 0.0 |
| 34 | 12067 | 12068 | SN | 1 | -34.659 | 16.067 | 0.0 | -34.912 | 17.095 | 0.0 | -0.092 | 22.989 | 0.184 | 0.279 | 29.661 | 0.483 | 0.087 | 216.571 | 3.037 | 0.087 | 229.574 | 2.981 | 0.086 | 0.151 | 0.0 | 0.086 | 0.145 | 0.0 |
| 35 | 12068 | 12069 | SN | 1 | -34.646 | 17.962 | 0.0 | -34.846 | 17.633 | 0.0 | -10.436 | 22.9 | 0.114 | -8.745 | 24.068 | 0.414 | 0.086 | 215.948 | 8.699 | 0.087 | 226.118 | 8.595 | 0.086 | 0.884 | 0.0 | 0.086 | 0.621 | 0.0 |
| 36 | 12068 | 12069 | NS | 1 | -34.897 | 18.43 | 0.0 | -33.734 | 18.198 | 0.0 | -4.808 | 22.888 | 0.167 | -7.043 | 24.112 | 0.671 | 0.086 | 228.772 | 2.059 | 0.086 | 175.031 | 1.984 | 0.086 | 0.293 | 0.0 | 0.086 | 0.442 | 0.0 |
| 37 | 12068 | 12069 | NS | 1 | -34.62 | 18.422 | 0.0 | -34.734 | 18.199 | 0.0 | -4.812 | 22.888 | 0.167 | -7.051 | 24.112 | 0.679 | 0.086 | 214.638 | 2.051 | 0.086 | 220.352 | 1.986 | 0.086 | 0.294 | 0.0 | 0.086 | 0.443 | 0.0 |
| 38 | 12068 | 12069 | SN | 2 | -34.646 | 17.962 | 0.0 | -34.846 | 18.049 | 0.0 | -10.433 | 22.9 | 0.104 | -8.745 | 24.068 | 0.488 | 0.086 | 215.948 | 8.029 | 0.086 | 226.118 | 7.242 | 0.086 | 0.884 | 0.0 | 0.086 | 0.621 | 0.0 |
| 39 | 12068 | 12069 | SN | 1 | -34.646 | 17.962 | 0.0 | -34.846 | 18.049 | 0.0 | -10.433 | 22.9 | 0.104 | -8.745 | 24.068 | 0.488 | 0.086 | 215.948 | 8.029 | 0.086 | 226.118 | 7.242 | 0.086 | 0.884 | 0.0 | 0.086 | 0.621 | 0.0 |
| 40 | 12069 | 12070 | NS | 1 | -34.974 | 21.934 | 0.0 | -34.208 | 18.244 | 0.0 | -1.72 | 22.914 | 0.263 | -3.596 | 23.694 | 1.597 | 0.086 | 232.884 | 1.198 | 0.086 | 195.228 | 1.162 | 0.086 | 0.183 | 0.0 | 0.086 | 0.24 | 0.0 |
| 41 | 12069 | 12070 | SN | 1 | -34.968 | 17.785 | 0.0 | -34.724 | 18.572 | 0.0 | -24.964 | 22.99 | 0.098 | -7.486 | 23.046 | 0.169 | 0.086 | 232.569 | 4.317 | 0.086 | 219.797 | 3.474 | 0.086 | 23.286 | 0.039 | 0.086 | 0.482 | 0.0 |
| 42 | 12070 | 12071 | SN | 1 | -34.951 | 15.475 | 0.0 | -34.925 | 18.881 | 0.0 | -25.89 | 23.266 | 0.144 | -28.4 | 23.253 | 0.141 | 0.087 | 231.626 | 3.803 | 0.086 | 230.225 | 3.526 | 0.086 | 28.813 | 0.08 | 0.086 | 51.295 | 0.171 |
| 43 | 12070 | 12071 | SN | 1 | -34.419 | 14.262 | 0.0 | -34.827 | 18.88 | 0.0 | -25.929 | 23.266 | 0.144 | -28.42 | 23.253 | 0.104 | 0.088 | 204.92 | 3.911 | 0.086 | 225.158 | 3.537 | 0.086 | 29.072 | 0.08 | 0.086 | 51.528 | 0.171 |
| 44 | 12070 | 12071 | NS | 1 | -34.441 | 18.696 | 0.0 | -34.643 | 18.484 | 0.0 | 0.802 | 22.517 | 0.018 | -3.286 | 23.875 | 0.969 | 0.086 | 205.958 | 1.837 | 0.086 | 215.816 | 1.973 | 0.086 | 0.138 | 0.0 | 0.086 | 0.229 | 0.0 |
| 45 | 12071 | 12072 | SN | 1 | -34.544 | 17.235 | 0.0 | -34.985 | 19.375 | 0.0 | -25.047 | 23.035 | 0.1 | -24.91 | 23.496 | 0.085 | 0.087 | 210.946 | 2.81 | 0.086 | 233.442 | 2.254 | 0.086 | 23.739 | 0.07 | 0.086 | 23.003 | 0.044 |
| 46 | 12071 | 12072 | NS | 1 | -34.792 | 19.898 | 0.0 | -34.919 | 21.903 | 0.0 | 0.508 | 22.76 | 0.021 | 0.636 | 23.934 | 1.037 | 0.086 | 223.293 | 2.613 | 0.086 | 229.928 | 2.763 | 0.086 | 0.142 | 0.0 | 0.086 | 0.14 | 0.0 |
| 47 | 12071 | 12072 | NS | 1 | -34.572 | 19.901 | 0.0 | -34.823 | 21.903 | 0.0 | 0.508 | 22.76 | 0.021 | 0.636 | 23.934 | 1.004 | 0.086 | 212.319 | 2.615 | 0.086 | 224.896 | 2.763 | 0.086 | 0.142 | 0.0 | 0.086 | 0.14 | 0.0 |
| 48 | 12071 | 12072 | SN | 1 | -34.405 | 17.235 | 0.0 | -34.57 | 19.375 | 0.0 | -25.126 | 23.035 | 0.1 | -24.981 | 23.496 | 0.085 | 0.087 | 204.248 | 2.814 | 0.086 | 212.178 | 2.257 | 0.086 | 24.173 | 0.07 | 0.086 | 23.376 | 0.044 |
| 49 | 12072 | 12073 | NS | 1 | -34.492 | 18.516 | 0.0 | -34.267 | 19.246 | 0.0 | 6.194 | 22.613 | 0.11 | 5.537 | 23.637 | 1.475 | 0.086 | 208.423 | 1.106 | 0.086 | 197.934 | 1.021 | 0.086 | 0.1 | 0.0 | 0.086 | 0.102 | 0.0 |
| 50 | 12072 | 12073 | SN | 1 | -34.813 | 16.787 | 0.0 | -34.286 | 19.274 | 0.0 | -16.947 | 23.637 | 0.124 | -24.728 | 23.201 | 0.136 | 0.087 | 224.423 | 4.16 | 0.086 | 198.746 | 3.593 | 0.086 | 3.731 | 0.01 | 0.086 | 22.066 | 0.014 |
| 51 | 12072 | 12073 | NS | 1 | -34.492 | 18.516 | 0.0 | -32.917 | 19.246 | 0.0 | 6.298 | 22.613 | 0.08 | 5.966 | 23.626 | 1.098 | 0.086 | 208.423 | 1.123 | 0.086 | 145.049 | 1.021 | 0.086 | 0.099 | 0.0 | 0.086 | 0.1 | 0.0 |
| 52 | 12072 | 12073 | NS | 2 | -34.492 | 18.516 | 0.0 | -34.267 | 19.246 | 0.0 | 6.194 | 22.613 | 0.11 | 5.537 | 23.637 | 1.475 | 0.086 | 208.423 | 1.106 | 0.086 | 197.934 | 1.021 | 0.086 | 0.1 | 0.0 | 0.086 | 0.102 | 0.0 |
| 53 | 12073 | 12074 | NS | 1 | -34.575 | 20.302 | 0.0 | -34.905 | 20.863 | 0.0 | 0.72 | 22.836 | 0.122 | 0.952 | 23.516 | 1.369 | 0.086 | 212.422 | 1.879 | 0.086 | 229.148 | 1.683 | 0.086 | 0.139 | 0.0 | 0.086 | 0.136 | 0.0 |
| 54 | 12073 | 12074 | SN | 1 | -34.97 | 18.097 | 0.0 | -34.716 | 19.174 | 0.0 | -22.787 | 23.023 | 0.307 | -18.867 | 23.083 | 0.546 | 0.086 | 232.601 | 2.987 | 0.086 | 219.474 | 2.554 | 0.086 | 14.133 | 0.04 | 0.086 | 5.77 | 0.067 |
| 55 | 12073 | 12074 | NS | 1 | -34.603 | 20.302 | 0.0 | -34.612 | 20.863 | 0.0 | 0.72 | 22.836 | 0.06 | 0.952 | 23.516 | 1.395 | 0.086 | 213.816 | 1.87 | 0.086 | 214.302 | 1.69 | 0.086 | 0.139 | 0.0 | 0.086 | 0.136 | 0.0 |
| 56 | 12074 | 12075 | NS | 1 | -34.979 | 19.246 | 0.0 | -34.994 | 21.835 | 0.0 | 2.121 | 23.232 | 0.462 | 2.465 | 23.857 | 1.198 | 0.086 | 233.115 | 3.124 | 0.086 | 233.961 | 3.259 | 0.086 | 0.123 | 0.0 | 0.086 | 0.12 | 0.0 |
| 57 | 12074 | 12075 | NS | 1 | -34.885 | 19.246 | 0.0 | -34.882 | 21.835 | 0.0 | 2.123 | 23.222 | 0.466 | 2.465 | 23.857 | 1.198 | 0.086 | 228.091 | 3.135 | 0.086 | 227.925 | 3.261 | 0.086 | 0.123 | 0.0 | 0.086 | 0.12 | 0.0 |
| 58 | 12074 | 12075 | SN | 1 | -34.756 | 15.792 | 0.0 | -34.987 | 16.16 | 0.0 | 1.541 | 22.876 | 0.138 | 4.548 | 23.258 | 0.876 | 0.087 | 221.513 | 4.196 | 0.087 | 233.589 | 4.17 | 0.086 | 0.129 | 0.0 | 0.086 | 0.106 | 0.0 |
| 59 | 12074 | 12075 | NS | 1 | -34.885 | 18.748 | 0.0 | -34.882 | 21.835 | 0.0 | 2.527 | 22.147 | 0.006 | 3.462 | 21.623 | 0.0 | 0.086 | 228.091 | 2.946 | 0.086 | 227.925 | 3.261 | 0.086 | 0.12 | 0.0 | 0.086 | 0.113 | 0.0 |
| 60 | 12074 | 12075 | SN | 1 | -34.756 | 17.879 | 0.0 | -34.987 | 19.035 | 0.0 | 1.541 | 22.846 | 0.156 | 4.548 | 23.256 | 0.841 | 0.086 | 221.513 | 4.099 | 0.086 | 233.589 | 3.868 | 0.086 | 0.129 | 0.0 | 0.086 | 0.106 | 0.0 |
| 61 | 12075 | 12076 | SN | 1 | -34.727 | 17.826 | 0.0 | -32.756 | 18.946 | 0.0 | -2.894 | 22.808 | 0.008 | -5.846 | 22.548 | 0.004 | 0.086 | 219.964 | 1.339 | 0.086 | 139.765 | 1.251 | 0.086 | 0.216 | 0.0 | 0.086 | 0.353 | 0.0 |
| 62 | 12075 | 12076 | SN | 1 | -34.727 | 18.125 | 0.0 | -32.756 | 18.953 | 0.0 | -2.893 | 22.808 | 0.008 | -5.846 | 22.548 | 0.004 | 0.086 | 219.964 | 1.29 | 0.086 | 139.765 | 1.126 | 0.086 | 0.216 | 0.0 | 0.086 | 0.353 | 0.0 |
| 63 | 12075 | 12076 | NS | 1 | -34.657 | 18.588 | 0.0 | -34.308 | 19.251 | 0.0 | 1.123 | 24.096 | 0.163 | 0.888 | 23.626 | 0.354 | 0.086 | 216.486 | 1.905 | 0.086 | 199.779 | 1.969 | 0.086 | 0.134 | 0.0 | 0.086 | 0.137 | 0.0 |
| 64 | 12075 | 12076 | SN | 1 | -34.727 | 18.144 | 0.0 | -32.756 | 18.951 | 0.0 | -2.894 | 22.808 | 0.008 | -5.846 | 22.548 | 0.004 | 0.086 | 219.964 | 1.29 | 0.086 | 139.765 | 1.126 | 0.086 | 0.216 | 0.0 | 0.086 | 0.353 | 0.0 |
| 65 | 12075 | 12076 | NS | 1 | -34.137 | 18.589 | 0.0 | -33.288 | 19.251 | 0.0 | 1.123 | 24.096 | 0.163 | 0.888 | 23.624 | 0.354 | 0.086 | 192.049 | 1.904 | 0.086 | 157.951 | 1.969 | 0.086 | 0.134 | 0.0 | 0.086 | 0.137 | 0.0 |
| 66 | 12076 | 12077 | SN | 1 | -34.465 | 18.391 | 0.0 | -34.871 | 19.12 | 0.0 | 1.346 | 22.401 | 0.012 | 1.247 | 20.776 | 0.0 | 0.086 | 207.115 | 3.774 | 0.086 | 227.384 | 3.232 | 0.086 | 0.131 | 0.0 | 0.086 | 0.132 | 0.0 |
| 67 | 12076 | 12077 | SN | 1 | -34.198 | 18.391 | 0.0 | -34.871 | 19.12 | 0.0 | 1.346 | 22.401 | 0.012 | 1.247 | 20.775 | 0.0 | 0.086 | 194.792 | 3.787 | 0.086 | 227.384 | 3.222 | 0.086 | 0.131 | 0.0 | 0.086 | 0.132 | 0.0 |
| 68 | 12076 | 12077 | SN | 1 | -34.465 | 18.208 | 0.0 | -34.871 | 19.12 | 0.0 | 1.346 | 22.401 | 0.012 | 1.247 | 20.776 | 0.0 | 0.086 | 207.115 | 3.871 | 0.086 | 227.384 | 3.307 | 0.086 | 0.131 | 0.0 | 0.086 | 0.132 | 0.0 |
| 69 | 12076 | 12077 | NS | 1 | -34.999 | 18.612 | 0.0 | -34.704 | 18.453 | 0.0 | -4.449 | 22.65 | 0.014 | -3.646 | 24.163 | 0.097 | 0.086 | 234.186 | 5.428 | 0.086 | 218.83 | 5.884 | 0.086 | 0.276 | 0.0 | 0.086 | 0.242 | 0.0 |

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

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|---------|--------|-------|---------|--------|-------|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|--------|-------|
| 70 | 12076 | 12077 | NS | 1 | -34.8 | 18.612 | 0.0 | -34.765 | 18.453 | 0.0 | -4.447 | 22.65 | 0.014 | -3.644 | 24.163 | 0.097 | 0.086 | 223.728 | 5.418 | 0.086 | 221.916 | 5.895 | 0.086 | 0.276 | 0.0 | 0.086 | 0.242 | 0.0 |
| 71 | 12077 | 12078 | SN | 1 | -34.858 | 18.843 | 0.0 | -34.772 | 19.035 | 0.0 | 1.444 | 22.716 | 0.029 | 1.79 | 22.675 | 0.004 | 0.086 | 226.778 | 3.473 | 0.086 | 222.24 | 3.098 | 0.086 | 0.13 | 0.0 | 0.086 | 0.126 | 0.0 |
| 72 | 12077 | 12078 | SN | 1 | -34.858 | 18.841 | 0.0 | -34.772 | 19.028 | 0.0 | 1.444 | 22.716 | 0.029 | 1.79 | 22.675 | 0.004 | 0.086 | 226.778 | 3.492 | 0.086 | 222.24 | 3.112 | 0.086 | 0.13 | 0.0 | 0.086 | 0.126 | 0.0 |
| 73 | 12077 | 12078 | SN | 1 | -34.318 | 18.843 | 0.0 | -34.694 | 19.035 | 0.0 | 1.444 | 22.716 | 0.029 | 1.79 | 22.673 | 0.004 | 0.086 | 200.274 | 3.474 | 0.086 | 218.322 | 3.096 | 0.086 | 0.13 | 0.0 | 0.086 | 0.126 | 0.0 |
| 74 | 12077 | 12078 | NS | 1 | -34.765 | 18.249 | 0.0 | -33.882 | 18.993 | 0.0 | -10.767 | 22.732 | 0.007 | -21.183 | 23.074 | 0.056 | 0.086 | 221.944 | 3.136 | 0.086 | 181.087 | 3.2 | 0.086 | 0.949 | 0.0 | 0.086 | 9.787 | 0.033 |
| 75 | 12078 | 12079 | SN | 1 | -34.892 | 17.316 | 0.0 | -33.682 | 17.6 | 0.0 | -0.527 | 22.237 | 0.012 | 1.083 | 20.665 | 0.0 | 0.087 | 228.524 | 1.585 | 0.087 | 173.009 | 1.395 | 0.086 | 0.158 | 0.0 | 0.086 | 0.134 | 0.0 |
| 76 | 12078 | 12079 | NS | 1 | -34.843 | 18.801 | 0.0 | -34.886 | 19.686 | 0.0 | -31.866 | 22.006 | 0.004 | -28.42 | 22.893 | 0.034 | 0.086 | 225.928 | 3.569 | 0.086 | 228.18 | 3.403 | 0.086 | 113.894 | 0.125 | 0.086 | 51.542 | 0.084 |
| 77 | 12078 | 12079 | SN | 1 | -34.895 | 17.228 | 0.0 | -33.545 | 17.599 | 0.0 | -0.527 | 22.237 | 0.012 | 1.083 | 20.665 | 0.0 | 0.087 | 228.677 | 1.617 | 0.087 | 167.614 | 1.413 | 0.086 | 0.158 | 0.0 | 0.086 | 0.134 | 0.0 |
| 78 | 12078 | 12079 | NS | 1 | -34.868 | 18.801 | 0.0 | -34.883 | 19.686 | 0.0 | -31.944 | 22.016 | 0.004 | -28.356 | 22.893 | 0.034 | 0.086 | 227.199 | 3.561 | 0.086 | 228.024 | 3.422 | 0.086 | 115.93 | 0.125 | 0.086 | 50.787 | 0.084 |
| 79 | 12078 | 12079 | SN | 2 | -34.895 | 17.316 | 0.0 | -33.545 | 17.6 | 0.0 | -0.527 | 22.237 | 0.012 | 1.083 | 20.665 | 0.0 | 0.087 | 228.677 | 1.586 | 0.087 | 167.614 | 1.396 | 0.086 | 0.158 | 0.0 | 0.086 | 0.134 | 0.0 |
| 80 | 12079 | 12080 | SN | 1 | -34.728 | 16.055 | 0.0 | -34.844 | 16.808 | 0.0 | 0.757 | 22.122 | 0.006 | 2.146 | 22.398 | 0.067 | 0.087 | 220.039 | 2.061 | 0.087 | 226.031 | 1.794 | 0.086 | 0.138 | 0.0 | 0.086 | 0.123 | 0.0 |
| 81 | 12079 | 12080 | SN | 1 | -34.728 | 16.586 | 0.0 | -34.844 | 16.779 | 0.0 | 0.757 | 22.122 | 0.006 | 2.146 | 22.398 | 0.062 | 0.087 | 220.039 | 2.014 | 0.087 | 226.031 | 1.758 | 0.086 | 0.138 | 0.0 | 0.086 | 0.123 | 0.0 |
| 82 | 12079 | 12080 | NS | 1 | -34.241 | 17.248 | 0.0 | -34.984 | 17.068 | 0.0 | -19.925 | 22.853 | 0.03 | -13.774 | 22.979 | 0.05 | 0.087 | 196.694 | 2.586 | 0.087 | 233.349 | 2.639 | 0.086 | 7.343 | 0.005 | 0.086 | 1.83 | 0.002 |
| 83 | 12079 | 12080 | SN | 2 | -34.728 | 16.586 | 0.0 | -34.844 | 16.779 | 0.0 | 0.757 | 22.122 | 0.006 | 2.146 | 22.398 | 0.062 | 0.087 | 220.039 | 2.014 | 0.087 | 226.031 | 1.758 | 0.086 | 0.138 | 0.0 | 0.086 | 0.123 | 0.0 |
| 84 | 12079 | 12080 | NS | 1 | -33.995 | 17.249 | 0.0 | -34.782 | 17.068 | 0.0 | -19.928 | 22.85 | 0.03 | -13.774 | 22.979 | 0.05 | 0.087 | 185.884 | 2.588 | 0.087 | 222.796 | 2.636 | 0.086 | 7.349 | 0.005 | 0.086 | 1.83 | 0.002 |
| 85 | 12080 | 12081 | SN | 1 | -34.903 | 15.444 | 0.0 | -34.416 | 17.05 | 0.0 | -0.608 | 21.864 | 0.0 | 1.536 | 22.392 | 0.014 | 0.087 | 229.094 | 2.17 | 0.087 | 204.811 | 2.089 | 0.086 | 0.16 | 0.0 | 0.086 | 0.129 | 0.0 |
| 86 | 12080 | 12081 | SN | 1 | -34.903 | 15.438 | 0.0 | -34.416 | 17.033 | 0.0 | -0.608 | 21.864 | 0.0 | 1.536 | 22.392 | 0.014 | 0.087 | 229.094 | 2.165 | 0.087 | 204.811 | 2.087 | 0.086 | 0.16 | 0.0 | 0.086 | 0.129 | 0.0 |
| 87 | 12080 | 12081 | NS | 2 | -34.812 | 19.084 | 0.0 | -34.674 | 18.612 | 0.0 | -15.544 | 22.494 | 0.006 | -12.84 | 23.014 | 0.024 | 0.086 | 224.322 | 3.157 | 0.086 | 217.347 | 2.899 | 0.086 | 2.719 | 0.004 | 0.086 | 1.489 | 0.005 |
| 88 | 12080 | 12081 | NS | 1 | -34.982 | 19.084 | 0.0 | -34.878 | 18.612 | 0.0 | -15.544 | 22.494 | 0.006 | -12.84 | 23.014 | 0.024 | 0.086 | 233.273 | 3.156 | 0.086 | 227.804 | 2.899 | 0.086 | 2.719 | 0.004 | 0.086 | 1.489 | 0.005 |
| 89 | 12081 | 12082 | SN | 1 | -34.959 | 16.321 | 0.0 | -34.26 | 16.375 | 0.0 | 0.489 | 22.885 | 0.144 | 6.23 | 23.049 | 0.23 | 0.087 | 232.092 | 3.417 | 0.087 | 197.56 | 3.059 | 0.086 | 0.142 | 0.0 | 0.086 | 0.099 | 0.0 |
| 90 | 12081 | 12082 | SN | 1 | -34.88 | 16.321 | 0.0 | -34.662 | 17.006 | 0.0 | 0.489 | 22.885 | 0.134 | 6.23 | 23.049 | 0.229 | 0.087 | 227.872 | 3.27 | 0.087 | 216.685 | 2.889 | 0.086 | 0.142 | 0.0 | 0.086 | 0.099 | 0.0 |
| 91 | 12081 | 12082 | SN | 1 | -34.959 | 16.321 | 0.0 | -34.26 | 17.006 | 0.0 | 0.489 | 22.885 | 0.134 | 6.23 | 23.049 | 0.23 | 0.087 | 232.092 | 3.274 | 0.087 | 197.56 | 2.889 | 0.086 | 0.142 | 0.0 | 0.086 | 0.099 | 0.0 |
| 92 | 12081 | 12082 | NS | 2 | -34.798 | 18.931 | 0.0 | -34.738 | 19.2 | 0.0 | -16.845 | 22.582 | 0.053 | -29.422 | 22.591 | 0.064 | 0.086 | 223.619 | 2.65 | 0.086 | 220.536 | 2.518 | 0.086 | 3.646 | 0.036 | 0.086 | 64.899 | 0.157 |
| 93 | 12081 | 12082 | NS | 1 | -34.832 | 18.931 | 0.0 | -34.752 | 19.2 | 0.0 | -16.845 | 22.582 | 0.053 | -29.227 | 22.591 | 0.064 | 0.086 | 225.362 | 2.651 | 0.086 | 221.268 | 2.518 | 0.086 | 3.646 | 0.036 | 0.086 | 62.048 | 0.157 |
| 94 | 12082 | 12083 | NS | 1 | -34.95 | 19.401 | 0.0 | -34.973 | 19.327 | 0.0 | 1.065 | 22.406 | 0.027 | 0.022 | 22.9 | 0.232 | 0.086 | 231.6 | 2.563 | 0.086 | 232.808 | 2.385 | 0.086 | 0.134 | 0.0 | 0.086 | 0.149 | 0.0 |
| 95 | 12082 | 12083 | SN | 1 | -34.745 | 16.464 | 0.0 | -34.977 | 18.34 | 0.0 | -25.098 | 23.235 | 0.234 | -17.64 | 24.819 | 0.606 | 0.087 | 220.93 | 3.13 | 0.086 | 233.05 | 2.936 | 0.086 | 24.019 | 0.003 | 0.086 | 4.366 | 0.003 |
| 96 | 12082 | 12083 | SN | 1 | -34.318 | 16.464 | 0.0 | -34.806 | 18.342 | 0.0 | -24.546 | 23.236 | 0.234 | -17.642 | 24.819 | 0.606 | 0.087 | 200.282 | 3.131 | 0.086 | 224.037 | 2.948 | 0.086 | 21.159 | 0.003 | 0.086 | 4.367 | 0.003 |
| 97 | 12082 | 12083 | NS | 1 | -34.905 | 19.403 | 0.0 | -34.994 | 19.327 | 0.0 | 1.066 | 22.406 | 0.027 | 0.022 | 22.899 | 0.232 | 0.086 | 229.152 | 2.564 | 0.086 | 233.997 | 2.39 | 0.086 | 0.134 | 0.0 | 0.086 | 0.149 | 0.0 |
| 98 | 12082 | 12083 | SN | 1 | -34.745 | 16.464 | 0.0 | -34.977 | 16.58 | 0.0 | -23.616 | 23.235 | 0.25 | -17.64 | 24.819 | 0.607 | 0.087 | 220.93 | 3.338 | 0.087 | 233.05 | 3.329 | 0.086 | 17.533 | 0.003 | 0.086 | 4.366 | 0.003 |
| 99 | 12083 | 12084 | SN | 2 | -34.479 | 16.459 | 0.0 | -34.985 | 18.652 | 0.0 | -24.254 | 22.959 | 0.079 | -18.1 | 23.734 | 0.353 | 0.087 | 207.811 | 6.289 | 0.086 | 239.42 | 5.78 | 0.086 | 19.786 | 0.079 | 0.086 | 4.845 | 0.012 |
| 100 | 12083 | 12084 | NS | 2 | -34.919 | 22.426 | 0.001 | -34.399 | 22.582 | 0.011 | 0.126 | 23.003 | 0.167 | 0.31 | 23.83 | 1.023 | 0.086 | 229.914 | 2.15 | 0.086 | 203.98 | 2.13 | 0.086 | 0.147 | 0.0 | 0.086 | 0.144 | 0.0 |
| 101 | 12083 | 12084 | NS | 1 | -34.53 | 22.424 | 0.001 | -34.27 | 22.582 | 0.011 | 0.126 | 23.003 | 0.167 | 0.31 | 23.83 | 1.023 | 0.086 | 210.293 | 2.15 | 0.086 | 198.082 | 2.128 | 0.086 | 0.147 | 0.0 | 0.086 | 0.144 | 0.0 |
| 102 | 12083 | 12084 | SN | 1 | -34.479 | 16.459 | 0.0 | -34.985 | 18.652 | 0.0 | -24.254 | 22.959 | 0.079 | -18.1 | 23.734 | 0.353 | 0.087 | 207.811 | 6.289 | 0.086 | 239.42 | 5.78 | 0.086 | 19.786 | 0.079 | 0.086 | 4.845 | 0.012 |
| 103 | 12084 | 12085 | SN | 1 | -34.886 | 13.608 | 0.0 | -34.971 | 18.846 | 0.0 | -9.05 | 23.061 | 0.107 | -10.372 | 22.947 | 0.12 | 0.088 | 228.244 | 4.09 | 0.086 | 232.758 | 3.984 | 0.086 | 0.661 | 0.0 | 0.086 | 0.872 | 0.0 |
| 104 | 12084 | 12085 | NS | 1 | -34.843 | 21.156 | 0.0 | -34.911 | 22.475 | 0.001 | -4.201 | 23.089 | 0.234 | -2.283 | 23.878 | 1.421 | 0.086 | 225.926 | 1.03 | 0.086 | 229.543 | 0.975 | 0.086 | 0.265 | 0.0 | 0.086 | 0.197 | 0.0 |
| 105 | 12084 | 12085 | NS | 2 | -34.843 | 21.156 | 0.0 | -34.911 | 22.475 | 0.001 | -4.201 | 23.089 | 0.234 | -2.283 | 23.878 | 1.421 | 0.086 | 225.926 | 1.03 | 0.086 | 229.543 | 0.975 | 0.086 | 0.265 | 0.0 | 0.086 | 0.197 | 0.0 |
| 106 | 12085 | 12086 | SN | 1 | -34.02 | 15.756 | 0.0 | -33.334 | 18.584 | 0.0 | -27.713 | 23.001 | 0.112 | -22.996 | 23.003 | 0.136 | 0.087 | 186.942 | 3.746 | 0.086 | 159.693 | 3.279 | 0.086 | 43.798 | 0.145 | 0.086 | 14.828 | 0.047 |

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

■ Normal ■ Deviations
■ Alarming ■ High Errors

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|-------|----|---|---------|--------|-----|---------|--------|-----|---------|--------|-------|---------|--------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|
| 107 | 12085 | 12086 | NS | 1 | -34.813 | 21.138 | 0.0 | -34.379 | 19.957 | 0.0 | 0.011 | 22.478 | 0.025 | 0.474 | 23.79 | 0.874 | 0.086 | 224.378 | 1.839 | 0.086 | 203.042 | 1.627 | 0.086 | 0.149 | 0.0 | 0.086 | 0.142 | 0.0 |
| 108 | 12085 | 12086 | SN | 2 | -34.98 | 15.756 | 0.0 | -33.265 | 18.584 | 0.0 | -27.713 | 23.001 | 0.112 | -22.996 | 23.003 | 0.136 | 0.087 | 233.191 | 3.746 | 0.086 | 157.124 | 3.279 | 0.086 | 43.798 | 0.145 | 0.086 | 14.828 | 0.047 |
| 109 | 12085 | 12086 | NS | 1 | -34.953 | 21.138 | 0.0 | -34.826 | 19.957 | 0.0 | 0.01 | 22.478 | 0.025 | 0.474 | 23.79 | 0.871 | 0.086 | 231.76 | 1.841 | 0.086 | 225.09 | 1.627 | 0.086 | 0.149 | 0.0 | 0.086 | 0.142 | 0.0 |
| 110 | 12086 | 12087 | NS | 1 | -34.81 | 18.473 | 0.0 | -34.725 | 21.598 | 0.0 | 4.664 | 22.863 | 0.108 | 4.692 | 23.618 | 0.983 | 0.086 | 224.28 | 1.648 | 0.086 | 219.914 | 1.504 | 0.086 | 0.106 | 0.0 | 0.086 | 0.106 | 0.0 |
| 111 | 12086 | 12087 | SN | 2 | -34.564 | 17.946 | 0.0 | -34.909 | 19.114 | 0.0 | -34.451 | 22.854 | 0.066 | -31.347 | 23.264 | 0.12 | 0.086 | 211.945 | 2.311 | 0.086 | 229.44 | 2.229 | 0.086 | 206.479 | 0.102 | 0.086 | 101.06 | 0.164 |
| 112 | 12086 | 12087 | NS | 1 | -33.785 | 18.473 | 0.0 | -34.94 | 21.598 | 0.0 | 4.664 | 22.863 | 0.108 | 4.694 | 23.618 | 0.985 | 0.086 | 177.088 | 1.65 | 0.086 | 231.066 | 1.501 | 0.086 | 0.106 | 0.0 | 0.086 | 0.106 | 0.0 |
| 113 | 12086 | 12087 | SN | 1 | -34.564 | 17.946 | 0.0 | -34.909 | 19.114 | 0.0 | -34.451 | 22.854 | 0.066 | -31.347 | 23.264 | 0.12 | 0.086 | 211.945 | 2.311 | 0.086 | 229.44 | 2.229 | 0.086 | 206.479 | 0.102 | 0.086 | 101.06 | 0.164 |
| 114 | 12087 | 12088 | SN | 1 | -34.643 | 18.113 | 0.0 | -34.86 | 19.191 | 0.0 | -22.984 | 23.239 | 0.25 | -34.888 | 23.459 | 0.362 | 0.086 | 215.788 | 4.727 | 0.086 | 226.814 | 4.087 | 0.086 | 14.783 | 0.065 | 0.086 | 228.296 | 0.129 |
| 115 | 12087 | 12088 | NS | 1 | -34.7 | 20.469 | 0.0 | -34.385 | 20.858 | 0.0 | 3.973 | 22.862 | 0.035 | 4.07 | 23.252 | 1.065 | 0.086 | 218.649 | 2.33 | 0.086 | 203.33 | 2.342 | 0.086 | 0.11 | 0.0 | 0.086 | 0.109 | 0.0 |
| 116 | 12087 | 12088 | SN | 1 | -33.962 | 18.113 | 0.0 | -34.858 | 19.191 | 0.0 | -22.984 | 23.239 | 0.247 | -34.888 | 23.459 | 0.362 | 0.086 | 184.49 | 4.732 | 0.086 | 226.766 | 4.089 | 0.086 | 14.783 | 0.065 | 0.086 | 228.296 | 0.129 |
| 117 | 12087 | 12088 | NS | 1 | -34.618 | 20.469 | 0.0 | -34.506 | 20.858 | 0.0 | 3.973 | 22.862 | 0.035 | 4.07 | 23.25 | 1.065 | 0.086 | 214.54 | 2.322 | 0.086 | 209.097 | 2.337 | 0.086 | 0.11 | 0.0 | 0.086 | 0.109 | 0.0 |
| 118 | 12087 | 12088 | NS | 1 | -34.7 | 20.469 | 0.0 | -34.385 | 20.858 | 0.0 | 3.973 | 22.862 | 0.042 | 4.069 | 23.253 | 1.2 | 0.086 | 218.649 | 2.325 | 0.086 | 203.33 | 2.343 | 0.086 | 0.11 | 0.0 | 0.086 | 0.109 | 0.0 |
| 119 | 12088 | 12089 | NS | 1 | -34.066 | 19.324 | 0.0 | -34.954 | 20.063 | 0.0 | -4.031 | 22.812 | 0.12 | -16.491 | 23.759 | 1.265 | 0.086 | 188.958 | 3.454 | 0.086 | 231.84 | 3.412 | 0.086 | 0.258 | 0.0 | 0.086 | 3.365 | 0.011 |
| 120 | 12088 | 12089 | SN | 1 | -34.885 | 17.718 | 0.0 | -34.654 | 19.106 | 0.0 | 3.068 | 23.112 | 0.252 | 3.209 | 23.386 | 0.841 | 0.086 | 228.107 | 3.947 | 0.086 | 216.298 | 3.535 | 0.086 | 0.115 | 0.0 | 0.086 | 0.114 | 0.0 |
| 121 | 12088 | 12089 | SN | 2 | -34.885 | 17.718 | 0.0 | -34.654 | 19.106 | 0.0 | 3.068 | 23.112 | 0.252 | 3.209 | 23.386 | 0.841 | 0.086 | 228.107 | 3.947 | 0.086 | 216.298 | 3.535 | 0.086 | 0.115 | 0.0 | 0.086 | 0.114 | 0.0 |
| 122 | 12088 | 12089 | NS | 2 | -34.066 | 19.324 | 0.0 | -34.954 | 20.063 | 0.0 | -4.031 | 22.812 | 0.12 | -16.491 | 23.759 | 1.265 | 0.086 | 188.958 | 3.454 | 0.086 | 231.84 | 3.412 | 0.086 | 0.258 | 0.0 | 0.086 | 3.365 | 0.011 |
| 123 | 12088 | 12089 | NS | 1 | -34.066 | 18.431 | 0.0 | -34.954 | 20.062 | 0.0 | -4.031 | 22.812 | 0.055 | -16.491 | 23.453 | 0.474 | 0.086 | 188.958 | 3.217 | 0.086 | 231.84 | 3.409 | 0.086 | 0.258 | 0.0 | 0.086 | 3.365 | 0.021 |
| 124 | 12089 | 12090 | SN | 1 | -34.458 | 17.051 | 0.0 | -34.018 | 18.998 | 0.0 | 2.149 | 22.772 | 0.014 | 4.083 | 22.237 | 0.044 | 0.087 | 206.77 | 2.033 | 0.086 | 186.896 | 1.845 | 0.086 | 0.123 | 0.0 | 0.086 | 0.109 | 0.0 |
| 125 | 12089 | 12090 | NS | 2 | -34.416 | 19.132 | 0.0 | -34.878 | 19.703 | 0.0 | 2.165 | 23.349 | 0.45 | 0.347 | 23.957 | 0.81 | 0.086 | 204.812 | 1.845 | 0.086 | 227.803 | 1.885 | 0.086 | 0.123 | 0.0 | 0.086 | 0.144 | 0.0 |
| 126 | 12089 | 12090 | SN | 1 | -34.714 | 18.125 | 0.0 | -34.6 | 18.987 | 0.0 | 2.157 | 22.772 | 0.043 | 4.083 | 22.297 | 0.061 | 0.086 | 219.4 | 1.99 | 0.086 | 213.676 | 1.676 | 0.086 | 0.123 | 0.0 | 0.086 | 0.109 | 0.0 |
| 127 | 12089 | 12090 | NS | 1 | -34.416 | 19.132 | 0.0 | -34.79 | 19.703 | 0.0 | 2.165 | 23.349 | 0.45 | 0.347 | 23.957 | 0.81 | 0.086 | 204.812 | 1.845 | 0.086 | 223.192 | 1.884 | 0.086 | 0.123 | 0.0 | 0.086 | 0.144 | 0.0 |
| 128 | 12089 | 12090 | NS | 1 | -34.416 | 18.522 | 0.0 | -34.691 | 19.704 | 0.0 | 3.914 | 21.812 | 0.0 | 0.325 | 19.98 | 0.0 | 0.086 | 204.812 | 1.027 | 0.086 | 218.177 | 1.729 | 0.086 | 0.11 | 0.0 | 0.086 | 0.144 | 0.0 |
| 129 | 12089 | 12090 | SN | 1 | -34.458 | 18.125 | 0.0 | -34.018 | 18.985 | 0.0 | 2.149 | 22.772 | 0.043 | 4.083 | 22.296 | 0.058 | 0.086 | 206.77 | 1.982 | 0.086 | 186.896 | 1.673 | 0.086 | 0.123 | 0.0 | 0.086 | 0.109 | 0.0 |

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

 Normal

 Deviations

 Alarming

 High Errors