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

Report between   08-NOV-2016   To   09-NOV-2016

| Sr No | Start Orbit | End Orbit | Dir. | Ver. | Incidence Angle | | | Azimuth Angle | | | Range | | | X-Factor | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Min | Max | BadOcc(%) | Min | Max | BadOcc(%) | Min | Max | BadOcc(%) | Min | Max | BadOcc(%) |
| 1 | 622 | 623 | SN | 1 | 48.973 | 49.385 | 0.0 | 0.003 | 185.172 | 0.389 | 1039.208 | 1096.784 | 3.665 | -91.312 | -90.11 | 0.0 |
| 2 | 622 | 623 | NS | 1 | 48.92 | 49.336 | 0.0 | 0.003 | 1.291 | 0.38 | 1031.856 | 1086.392 | 0.0 | -91.378 | -90.045 | 0.0 |
| 3 | 623 | 624 | NS | 1 | 48.921 | 49.295 | 0.0 | 0.003 | 191.608 | 0.375 | 1031.88 | 1082.504 | 0.0 | -91.306 | -90.046 | 0.0 |
| 4 | 623 | 624 | SN | 1 | 48.966 | 49.403 | 0.0 | 0.003 | 1.291 | 0.38 | 1039.152 | 1096.688 | 3.25 | -91.384 | -90.11 | 0.0 |
| 5 | 624 | 625 | NS | 1 | 48.923 | 49.282 | 0.0 | 0.003 | 200.388 | 0.362 | 1032.192 | 1081.224 | 0.0 | -91.077 | -90.048 | 0.0 |
| 6 | 624 | 625 | SN | 1 | 48.957 | 49.414 | 0.0 | 0.003 | 1.291 | 0.366 | 1038.456 | 1096.88 | 3.551 | -92.011 | -90.106 | 0.0 |
| 7 | 625 | 626 | SN | 1 | 48.957 | 49.385 | 0.0 | 0.003 | 1.291 | 0.363 | 1038.648 | 1096.84 | 3.465 | -91.831 | -90.105 | 0.0 |
| 8 | 625 | 626 | NS | 1 | 48.918 | 49.307 | 0.0 | 0.003 | 209.189 | 0.365 | 1032.296 | 1085.048 | 0.0 | -91.188 | -90.051 | 0.0 |
| 9 | 626 | 627 | SN | 1 | 48.968 | 49.384 | 0.0 | 0.003 | 1.291 | 0.367 | 1038.208 | 1096.76 | 3.181 | -91.98 | -90.105 | 0.0 |
| 10 | 626 | 627 | NS | 1 | 48.925 | 49.383 | 0.0 | 0.003 | 1.291 | 0.372 | 1032.656 | 1096.528 | 1.34 | -91.217 | -90.051 | 0.0 |
| 11 | 627 | 628 | NS | 1 | 48.954 | 49.383 | 0.0 | 0.003 | 1.291 | 0.377 | 1033.0 | 1096.448 | 1.242 | -91.224 | -90.051 | 0.0 |
| 12 | 628 | 629 | NS | 1 | 48.933 | 49.382 | 0.0 | 0.003 | 1.291 | 0.374 | 1032.568 | 1096.32 | 0.969 | -91.288 | -90.052 | 0.0 |
| 13 | 628 | 629 | SN | 1 | 48.958 | 49.392 | 0.0 | 0.003 | 1.291 | 0.376 | 1038.832 | 1096.584 | 2.792 | -91.426 | -90.124 | 0.0 |
| 14 | 629 | 630 | NS | 1 | 48.937 | 49.4 | 0.0 | 0.003 | 1.291 | 0.368 | 1032.824 | 1096.4 | 1.085 | -91.397 | -90.049 | 0.0 |
| 15 | 629 | 630 | SN | 1 | 48.975 | 49.385 | 0.0 | 0.003 | 1.291 | 0.383 | 1038.976 | 1096.672 | 3.112 | -91.37 | -90.106 | 0.0 |
| 16 | 630 | 631 | NS | 1 | 48.927 | 49.386 | 0.0 | 0.003 | 1.291 | 0.376 | 1032.816 | 1096.488 | 1.301 | -91.378 | -90.049 | 0.0 |
| 17 | 631 | 632 | NS | 1 | 48.935 | 49.383 | 0.0 | 0.003 | 1.291 | 0.38 | 1033.0 | 1096.424 | 1.21 | -91.282 | -90.051 | 0.0 |
| 18 | 632 | 633 | NS | 1 | 48.926 | 49.382 | 0.0 | 0.003 | 1.291 | 0.375 | 1032.592 | 1096.344 | 1.002 | -91.275 | -90.051 | 0.0 |
| 19 | 633 | 634 | NS | 1 | 48.926 | 49.383 | 0.0 | 0.003 | 1.291 | 0.373 | 1032.424 | 1096.416 | 1.132 | -91.418 | -90.053 | 0.0 |
| 20 | 634 | 635 | NS | 1 | 48.925 | 49.383 | 0.0 | 0.003 | 1.291 | 0.37 | 1032.528 | 1096.464 | 1.168 | -91.54 | -90.049 | 0.0 |
| 21 | 635 | 636 | SN | 1 | 48.974 | 49.385 | 0.0 | 0.003 | 192.7 | 0.368 | 1038.76 | 1096.792 | 3.396 | -91.353 | -90.104 | 0.0 |
| 22 | 635 | 636 | NS | 1 | 48.92 | 49.377 | 0.0 | 0.003 | 1.291 | 0.371 | 1032.152 | 1094.176 | 0.0 | -91.903 | -90.05 | 0.0 |
| 23 | 636 | 637 | SN | 1 | 48.956 | 49.385 | 0.0 | 0.003 | 1.291 | 0.386 | 1038.104 | 1096.856 | 3.703 | -91.649 | -90.105 | 0.0 |
| 24 | 636 | 637 | NS | 1 | 48.924 | 49.356 | 0.0 | 0.003 | 197.972 | 0.372 | 1032.752 | 1091.616 | 0.0 | -91.98 | -90.049 | 0.0 |
| 25 | 637 | 638 | NS | 1 | 48.939 | 49.31 | 0.0 | 0.003 | 209.289 | 0.393 | 1032.952 | 1083.856 | 0.0 | -91.236 | -90.05 | 0.0 |
| 26 | 637 | 638 | SN | 1 | 48.962 | 49.384 | 0.0 | 0.003 | 1.291 | 0.389 | 1038.632 | 1096.72 | 3.337 | -91.226 | -90.106 | 0.0 |
| 27 | 638 | 639 | NS | 1 | 48.929 | 49.317 | 0.0 | 0.003 | 1.291 | 0.364 | 1033.128 | 1081.808 | 0.0 | -91.239 | -90.056 | 0.0 |
| 28 | 638 | 639 | SN | 1 | 48.958 | 49.403 | 0.0 | 0.003 | 1.291 | 0.37 | 1038.632 | 1096.84 | 3.476 | -91.355 | -90.103 | 0.0 |
| 29 | 639 | 640 | SN | 1 | 48.954 | 49.401 | 0.0 | 0.003 | 1.291 | 0.363 | 1037.624 | 1096.928 | 3.605 | -91.437 | -90.1 | 0.0 |
| 30 | 639 | 640 | NS | 1 | 48.936 | 49.293 | 0.0 | 0.003 | 1.291 | 0.364 | 1033.272 | 1082.944 | 0.0 | -91.197 | -90.052 | 0.0 |
| 31 | 640 | 641 | NS | 1 | 48.934 | 49.337 | 0.0 | 0.003 | 1.291 | 0.373 | 1033.432 | 1089.52 | 0.0 | -91.583 | -90.055 | 0.0 |
| 32 | 640 | 641 | SN | 1 | 48.958 | 49.385 | 0.0 | 0.003 | 1.291 | 0.366 | 1038.256 | 1096.872 | 3.428 | -91.39 | -90.101 | 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

Scatterometer Level - 1B Data Quality Evaluation Report

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| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 641 | 642 | SN | 1 | 48.953 | 49.339 | 0.0 | 0.003 | 1.291 | 0.367 | 1037.744 | 1085.944 | 0.0 | -91.349 | -90.099 | 0.0 |
| 34 | 641 | 642 | NS | 1 | 48.944 | 49.384 | 0.0 | 0.003 | 1.291 | 0.371 | 1033.424 | 1096.608 | 1.669 | -91.267 | -90.055 | 0.0 |
| 35 | 642 | 643 | NS | 2 | 48.942 | 49.383 | 0.0 | 0.003 | 1.291 | 0.374 | 1033.432 | 1096.496 | 1.402 | -91.282 | -90.054 | 0.0 |
| 36 | 642 | 643 | SN | 1 | 48.954 | 49.384 | 0.0 | 0.003 | 1.291 | 0.373 | 1038.016 | 1096.68 | 2.976 | -91.4 | -90.114 | 0.0 |
| 37 | 643 | 644 | NS | 1 | 48.938 | 49.39 | 0.0 | 0.003 | 1.291 | 0.371 | 1033.4 | 1096.504 | 1.423 | -91.389 | -90.057 | 0.0 |
| 38 | 643 | 644 | SN | 1 | 48.954 | 49.384 | 0.0 | 0.003 | 1.291 | 0.375 | 1037.648 | 1096.696 | 3.046 | -91.418 | -90.114 | 0.0 |
| 39 | 644 | 645 | SN | 1 | 48.957 | 49.385 | 0.0 | 0.003 | 1.291 | 0.378 | 1038.456 | 1096.848 | 3.504 | -91.413 | -90.116 | 0.0 |
| 40 | 644 | 645 | NS | 1 | 48.947 | 49.387 | 0.0 | 0.003 | 1.291 | 0.373 | 1033.248 | 1096.656 | 1.702 | -91.298 | -90.054 | 0.0 |
| 41 | 645 | 646 | NS | 1 | 48.93 | 49.384 | 0.0 | 0.003 | 1.291 | 0.381 | 1033.28 | 1096.712 | 1.823 | -91.342 | -90.057 | 0.0 |
| 42 | 646 | 647 | NS | 1 | 48.922 | 49.386 | 0.0 | 0.003 | 1.291 | 0.379 | 1032.8 | 1096.6 | 1.599 | -91.61 | -90.056 | 0.0 |
| 43 | 647 | 648 | NS | 1 | 48.936 | 49.384 | 0.0 | 0.003 | 1.291 | 0.377 | 1033.504 | 1096.568 | 1.563 | -91.185 | -90.056 | 0.0 |
| 44 | 647 | 648 | SN | 1 | 48.956 | 49.385 | 0.0 | 0.003 | 1.291 | 0.378 | 1037.624 | 1096.8 | 3.306 | -91.344 | -90.114 | 0.0 |
| 45 | 648 | 649 | SN | 1 | 48.998 | 49.385 | 0.0 | 0.003 | 190.036 | 0.378 | 1038.128 | 1096.864 | 3.546 | -91.304 | -90.113 | 0.0 |
| 46 | 648 | 649 | NS | 1 | 48.935 | 49.382 | 0.0 | 0.003 | 1.291 | 0.37 | 1033.216 | 1096.352 | 0.651 | -91.337 | -90.054 | 0.0 |
| 47 | 649 | 650 | SN | 1 | 48.958 | 49.385 | 0.0 | 0.003 | 199.119 | 0.371 | 1038.112 | 1096.856 | 3.579 | -91.311 | -90.113 | 0.0 |
| 48 | 649 | 650 | NS | 1 | 48.921 | 49.378 | 0.0 | 0.003 | 194.172 | 0.372 | 1032.712 | 1095.44 | 0.0 | -91.394 | -90.052 | 0.0 |
| 49 | 650 | 651 | NS | 1 | 48.947 | 49.365 | 0.0 | 0.003 | 204.198 | 0.372 | 1033.2 | 1093.016 | 0.0 | -91.339 | -90.052 | 0.0 |
| 50 | 650 | 651 | SN | 1 | 48.978 | 49.386 | 0.0 | 0.003 | 1.291 | 0.377 | 1038.064 | 1096.984 | 3.886 | -92.14 | -90.098 | 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 | 622 | 623 | SN | 1 | -34.82 | 25.046 | 1.73 | -34.204 | 25.676 | 3.277 | -31.159 | 29.341 | 33.72 | -20.637 | 29.952 | 36.184 | 0.103 | 256.268 | 1.377 | 0.103 | 222.359 | 1.18 | 0.103 | 110.348 | 0.014 | 0.103 | 9.858 | 0.006 |
| 2 | 622 | 623 | NS | 1 | -34.711 | 24.939 | 2.154 | -34.454 | 23.099 | 0.059 | 10.526 | 32.421 | 9.549 | 11.615 | 32.633 | 13.948 | 0.103 | 249.918 | 4.591 | 0.103 | 235.617 | 4.538 | 0.102 | 0.108 | 0.0 | 0.102 | 0.107 | 0.0 |
| 3 | 623 | 624 | NS | 1 | -34.444 | 26.788 | 1.053 | -33.942 | 28.375 | 0.487 | 7.892 | 34.747 | 33.281 | 8.852 | 36.1 | 40.301 | 0.103 | 234.997 | 3.164 | 0.103 | 209.375 | 2.948 | 0.102 | 0.113 | 0.0 | 0.102 | 0.111 | 0.0 |
| 4 | 623 | 624 | SN | 1 | -34.292 | 26.966 | 2.977 | -34.589 | 26.889 | 3.637 | -26.108 | 30.923 | 23.863 | -14.656 | 31.1 | 21.223 | 0.103 | 226.943 | 2.606 | 0.103 | 243.015 | 2.336 | 0.103 | 34.553 | 0.019 | 0.103 | 2.548 | 0.018 |
| 5 | 624 | 625 | NS | 1 | -34.369 | 24.067 | 0.195 | -34.652 | 24.07 | 0.301 | -6.123 | 28.148 | 16.574 | -5.615 | 29.967 | 22.778 | 0.103 | 231.05 | 4.651 | 0.103 | 246.566 | 4.644 | 0.103 | 0.431 | 0.0 | 0.103 | 0.393 | 0.0 |
| 6 | 624 | 625 | SN | 1 | -33.78 | 27.337 | 1.4 | -34.849 | 28.413 | 1.968 | 1.874 | 33.066 | 16.481 | 2.901 | 31.743 | 10.95 | 0.103 | 201.697 | 2.534 | 0.103 | 257.999 | 2.148 | 0.102 | 0.149 | 0.0 | 0.102 | 0.139 | 0.0 |
| 7 | 625 | 626 | SN | 1 | -34.255 | 25.574 | 0.62 | -34.841 | 25.674 | 1.064 | 8.543 | 29.044 | 22.584 | 8.38 | 28.394 | 14.005 | 0.103 | 225.017 | 0.44 | 0.103 | 257.573 | 0.361 | 0.103 | 0.112 | 0.0 | 0.103 | 0.112 | 0.0 |
| 8 | 625 | 626 | NS | 1 | -34.864 | 23.535 | 0.14 | -34.888 | 22.435 | 0.004 | -1.098 | 29.068 | 10.876 | 1.233 | 29.847 | 14.691 | 0.103 | 258.9 | 2.848 | 0.103 | 260.314 | 2.924 | 0.103 | 0.199 | 0.0 | 0.103 | 0.157 | 0.0 |
| 9 | 626 | 627 | SN | 1 | -34.881 | 23.53 | 0.119 | -34.903 | 26.578 | 0.475 | 7.771 | 29.567 | 27.07 | 8.605 | 29.995 | 26.403 | 0.103 | 259.933 | 3.293 | 0.103 | 261.264 | 3.027 | 0.103 | 0.114 | 0.0 | 0.103 | 0.112 | 0.0 |
| 10 | 626 | 627 | NS | 1 | -34.617 | 23.651 | 0.474 | -34.654 | 23.728 | 0.455 | -16.701 | 33.001 | 12.151 | -13.763 | 30.781 | 19.67 | 0.103 | 244.612 | 1.018 | 0.103 | 246.697 | 0.806 | 0.102 | 4.032 | 0.01 | 0.103 | 2.09 | 0.002 |
| 11 | 627 | 628 | NS | 1 | -34.704 | 24.457 | 0.417 | -29.778 | 24.185 | 0.317 | -2.798 | 30.074 | 21.717 | -4.266 | 30.032 | 30.097 | 0.103 | 249.502 | 1.002 | 0.103 | 80.304 | 0.695 | 0.103 | 0.249 | 0.0 | 0.103 | 0.312 | 0.0 |
| 12 | 628 | 629 | NS | 1 | -34.95 | 25.408 | 1.115 | -33.898 | 25.518 | 1.185 | -8.856 | 31.169 | 21.316 | -6.05 | 33.142 | 28.391 | 0.103 | 264.03 | 1.623 | 0.103 | 207.279 | 1.751 | 0.103 | 0.732 | 0.0 | 0.102 | 0.425 | 0.0 |
| 13 | 628 | 629 | SN | 1 | -34.97 | 25.558 | 0.708 | -34.994 | 25.534 | 1.493 | 6.987 | 32.54 | 19.542 | 8.43 | 32.43 | 23.516 | 0.103 | 265.3 | 3.899 | 0.103 | 266.816 | 3.081 | 0.102 | 0.116 | 0.0 | 0.102 | 0.112 | 0.0 |
| 14 | 629 | 630 | NS | 1 | -33.732 | 27.436 | 2.069 | -34.13 | 28.167 | 2.329 | 9.18 | 30.304 | 21.433 | 7.101 | 30.962 | 31.634 | 0.103 | 199.526 | 1.23 | 0.103 | 218.61 | 1.167 | 0.103 | 0.111 | 0.0 | 0.103 | 0.116 | 0.0 |
| 15 | 629 | 630 | SN | 1 | -34.535 | 25.278 | 0.279 | -34.085 | 27.823 | 2.268 | -64.067 | 35.999 | 18.588 | 1.188 | 33.706 | 20.073 | 0.103 | 240.037 | 4.797 | 0.103 | 216.349 | 3.929 | 0.102 | 0.22 | 0.0 | 0.102 | 0.158 | 0.0 |
| 16 | 630 | 631 | NS | 1 | -34.25 | 27.829 | 2.665 | -33.97 | 28.043 | 2.502 | -6.076 | 31.05 | 44.19 | 4.79 | 32.507 | 53.101 | 0.103 | 224.778 | 1.104 | 0.103 | 210.775 | 0.849 | 0.103 | 0.427 | 0.0 | 0.102 | 0.126 | 0.0 |
| 17 | 631 | 632 | NS | 1 | -33.65 | 27.563 | 2.243 | -34.202 | 26.237 | 1.039 | -8.821 | 31.041 | 26.392 | 1.26 | 31.672 | 40.074 | 0.103 | 195.801 | 2.053 | 0.103 | 222.285 | 1.925 | 0.103 | 0.727 | 0.0 | 0.102 | 0.157 | 0.0 |
| 18 | 632 | 633 | NS | 1 | -34.796 | 26.958 | 3.295 | -34.945 | 25.475 | 1.484 | -2.857 | 30.648 | 16.893 | 1.277 | 30.914 | 27.256 | 0.103 | 254.877 | 0.911 | 0.103 | 263.711 | 0.968 | 0.103 | 0.251 | 0.0 | 0.103 | 0.157 | 0.0 |
| 19 | 633 | 634 | NS | 1 | -34.584 | 26.853 | 4.221 | -34.872 | 25.295 | 3.04 | -2.3 | 33.049 | 28.378 | 1.287 | 30.718 | 36.661 | 0.103 | 242.739 | 2.447 | 0.103 | 259.369 | 2.34 | 0.102 | 0.232 | 0.0 | 0.103 | 0.156 | 0.0 |
| 20 | 634 | 635 | NS | 1 | -34.673 | 25.49 | 2.753 | -34.951 | 25.537 | 1.056 | 6.733 | 29.935 | 35.958 | 6.352 | 30.212 | 48.351 | 0.103 | 247.773 | 3.457 | 0.103 | 264.153 | 3.219 | 0.103 | 0.117 | 0.0 | 0.103 | 0.118 | 0.0 |
| 21 | 635 | 636 | SN | 1 | -34.96 | 26.449 | 0.653 | -34.764 | 26.607 | 2.741 | 8.142 | 30.894 | 66.175 | 8.396 | 32.135 | 77.328 | 0.103 | 264.675 | 2.109 | 0.103 | 252.985 | 2.076 | 0.103 | 0.113 | 0.0 | 0.102 | 0.112 | 0.0 |
| 22 | 635 | 636 | NS | 1 | -32.881 | 25.883 | 2.023 | -33.003 | 25.138 | 0.067 | 8.682 | 30.142 | 17.699 | 8.537 | 30.609 | 29.563 | 0.103 | 164.023 | 1.029 | 0.103 | 168.718 | 0.873 | 0.103 | 0.112 | 0.0 | 0.103 | 0.112 | 0.0 |
| 23 | 636 | 637 | SN | 1 | -32.858 | 24.992 | 0.874 | -33.251 | 25.609 | 2.703 | 7.797 | 30.32 | 32.227 | 11.374 | 30.263 | 31.58 | 0.103 | 163.137 | 1.581 | 0.103 | 178.582 | 1.214 | 0.103 | 0.114 | 0.0 | 0.103 | 0.107 | 0.0 |
| 24 | 636 | 637 | NS | 1 | -34.9 | 25.056 | 1.889 | -34.495 | 23.643 | 0.017 | 4.968 | 28.117 | 13.612 | 5.093 | 28.312 | 14.283 | 0.103 | 271.707 | 5.777 | 0.103 | 237.767 | 5.459 | 0.103 | 0.125 | 0.0 | 0.103 | 0.124 | 0.0 |
| 25 | 637 | 638 | NS | 1 | -34.81 | 24.833 | 1.972 | -34.752 | 26.912 | 0.219 | 7.905 | 30.796 | 17.452 | 10.563 | 33.482 | 22.27 | 0.103 | 255.688 | 2.885 | 0.103 | 252.239 | 2.713 | 0.103 | 0.113 | 0.0 | 0.102 | 0.108 | 0.0 |
| 26 | 637 | 638 | SN | 1 | -32.047 | 25.387 | 3.244 | -34.484 | 25.708 | 4.199 | -24.322 | 31.528 | 32.718 | -13.409 | 33.994 | 34.34 | 0.103 | 135.406 | 1.24 | 0.103 | 237.239 | 0.904 | 0.103 | 22.922 | 0.018 | 0.102 | 1.932 | 0.003 |
| 27 | 638 | 639 | NS | 1 | -33.689 | 24.376 | 0.389 | -32.702 | 23.838 | 0.398 | -0.965 | 32.877 | 28.316 | -0.871 | 35.877 | 36.663 | 0.103 | 197.549 | 1.824 | 0.103 | 157.368 | 1.366 | 0.102 | 0.196 | 0.0 | 0.102 | 0.194 | 0.0 |
| 28 | 638 | 639 | SN | 1 | -34.874 | 27.127 | 2.816 | -34.015 | 28.431 | 3.378 | -10.185 | 32.95 | 15.411 | -1.476 | 32.138 | 10.522 | 0.103 | 259.469 | 2.87 | 0.103 | 212.953 | 2.428 | 0.102 | 1.003 | 0.002 | 0.102 | 0.209 | 0.0 |
| 29 | 639 | 640 | SN | 1 | -34.821 | 27.393 | 0.624 | -34.453 | 28.131 | 1.079 | 7.793 | 29.435 | 22.622 | 9.101 | 29.721 | 14.573 | 0.103 | 256.391 | 1.726 | 0.103 | 235.476 | 1.456 | 0.103 | 0.114 | 0.0 | 0.103 | 0.111 | 0.0 |
| 30 | 639 | 640 | NS | 1 | -34.999 | 23.775 | 0.146 | -34.837 | 23.269 | 0.022 | -12.017 | 32.92 | 14.883 | -5.015 | 31.194 | 23.265 | 0.103 | 267.085 | 3.37 | 0.103 | 257.281 | 3.697 | 0.102 | 1.425 | 0.002 | 0.103 | 0.354 | 0.0 |
| 31 | 640 | 641 | NS | 1 | -34.852 | 26.264 | 0.14 | -34.125 | 23.371 | 0.221 | -1.522 | 31.203 | 7.6 | -3.926 | 32.306 | 11.651 | 0.103 | 258.193 | 2.708 | 0.103 | 218.39 | 2.61 | 0.103 | 0.21 | 0.0 | 0.102 | 0.296 | 0.0 |
| 32 | 640 | 641 | SN | 1 | -34.603 | 24.398 | 0.365 | -34.481 | 25.544 | 0.773 | 7.922 | 28.324 | 21.86 | 7.562 | 29.167 | 14.763 | 0.103 | 243.772 | 0.852 | 0.103 | 237.031 | 0.823 | 0.103 | 0.113 | 0.0 | 0.103 | 0.114 | 0.0 |
| 33 | 641 | 642 | SN | 1 | -34.694 | 23.075 | 0.037 | -34.84 | 23.798 | 0.363 | 8.967 | 24.528 | 14.911 | 12.138 | 29.064 | 24.658 | 0.103 | 248.951 | 4.253 | 0.103 | 257.458 | 3.914 | 0.103 | 0.111 | 0.0 | 0.103 | 0.107 | 0.0 |

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

🟩 Normal  🟨 Deviations  🟧 Alarming  🟥 High Errors

Scatterometer Level - 1B Data Quality Evaluation Report

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| 34 | 641 | 642 | NS | 1 | -34.555 | 23.566 | 0.409 | -27.402 | 23.608 | 0.272 | -5.233 | 29.39 | 21.646 | -2.02 | 30.475 | 29.235 | 0.103 | 241.078 | 0.245 | 0.103 | 46.505 | 0.185 | 0.103 | 0.367 | 0.0 | 0.103 | 0.224 | 0.0 |
|----|-----|-----|----|---|---------|--------|-------|---------|--------|-------|--------|-------|--------|---------|--------|--------|-------|---------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-----|
| 35 | 642 | 643 | NS | 2 | -33.949 | 26.287 | 0.901 | -34.105 | 26.086 | 0.889 | -2.289 | 32.678 | 19.303 | -1.341 | 32.863 | 26.037 | 0.103 | 209.667 | 1.801 | 0.103 | 217.345 | 1.901 | 0.102 | 0.232 | 0.0 | 0.102 | 0.205 | 0.0 |
| 36 | 642 | 643 | SN | 1 | -33.102 | 24.414 | 0.261 | -34.697 | 25.461 | 0.848 | 8.035 | 29.683 | 23.437 | 9.163 | 29.967 | 30.749 | 0.103 | 172.573 | 2.211 | 0.103 | 249.185 | 1.956 | 0.103 | 0.113 | 0.0 | 0.103 | 0.111 | 0.0 |
| 37 | 643 | 644 | NS | 1 | -34.049 | 27.727 | 2.211 | -34.111 | 28.126 | 2.528 | 4.68 | 30.416 | 29.025 | 5.607 | 30.575 | 33.165 | 0.103 | 214.642 | 0.941 | 0.103 | 217.72 | 1.224 | 0.103 | 0.126 | 0.0 | 0.103 | 0.121 | 0.0 |
| 38 | 643 | 644 | SN | 1 | -34.776 | 24.265 | 0.202 | -33.898 | 26.044 | 1.446 | 7.864 | 33.818 | 18.208 | 8.509 | 33.149 | 21.809 | 0.103 | 253.705 | 5.443 | 0.103 | 207.262 | 4.928 | 0.102 | 0.114 | 0.0 | 0.102 | 0.112 | 0.0 |
| 39 | 644 | 645 | SN | 1 | -34.615 | 23.846 | 0.013 | -34.976 | 27.246 | 2.519 | -2.614 | 32.511 | 27.658 | 0.987 | 32.449 | 29.921 | 0.103 | 244.526 | 4.333 | 0.103 | 265.656 | 3.421 | 0.102 | 0.243 | 0.0 | 0.102 | 0.161 | 0.0 |
| 40 | 644 | 645 | NS | 1 | -34.731 | 27.359 | 2.548 | -33.958 | 28.193 | 2.478 | -14.244 | 30.871 | 32.218 | -1.686 | 31.462 | 41.538 | 0.103 | 251.127 | 0.243 | 0.103 | 210.181 | 0.263 | 0.103 | 2.325 | 0.002 | 0.103 | 0.214 | 0.0 |
| 41 | 645 | 646 | NS | 1 | -33.358 | 26.992 | 2.444 | -34.847 | 26.363 | 1.83 | 5.534 | 31.794 | 45.381 | 8.182 | 32.509 | 56.995 | 0.103 | 183.042 | 2.016 | 0.103 | 257.885 | 1.723 | 0.102 | 0.122 | 0.0 | 0.102 | 0.113 | 0.0 |
| 42 | 646 | 647 | NS | 1 | -34.241 | 26.194 | 2.553 | -34.49 | 25.418 | 0.853 | -9.84 | 30.481 | 19.364 | -13.377 | 31.438 | 32.084 | 0.103 | 224.295 | 1.62 | 0.103 | 237.551 | 1.593 | 0.103 | 0.896 | 0.0 | 0.103 | 1.919 | 0.004 |
| 43 | 647 | 648 | NS | 1 | -33.574 | 26.056 | 4.265 | -34.903 | 25.192 | 2.672 | -8.821 | 31.171 | 20.278 | -2.783 | 30.916 | 28.817 | 0.103 | 192.375 | 1.151 | 0.103 | 261.201 | 1.242 | 0.103 | 0.727 | 0.0 | 0.103 | 0.249 | 0.0 |
| 44 | 647 | 648 | SN | 1 | -34.97 | 26.862 | 1.85 | -32.067 | 27.798 | 4.654 | -0.538 | 30.232 | 25.507 | 3.792 | 31.44 | 28.236 | 0.103 | 265.302 | 1.53 | 0.103 | 136.032 | 1.288 | 0.103 | 0.187 | 0.0 | 0.103 | 0.132 | 0.0 |
| 45 | 648 | 649 | SN | 1 | -32.077 | 26.952 | 2.206 | -32.078 | 26.927 | 7.076 | -3.767 | 32.122 | 32.496 | -1.582 | 31.78 | 33.942 | 0.103 | 136.285 | 0.209 | 0.103 | 136.345 | 0.191 | 0.102 | 0.288 | 0.0 | 0.102 | 0.212 | 0.0 |
| 46 | 648 | 649 | NS | 1 | -34.931 | 26.558 | 3.058 | -33.678 | 25.911 | 1.862 | -17.745 | 30.297 | 26.87 | -14.489 | 30.431 | 42.303 | 0.103 | 262.917 | 1.529 | 0.103 | 197.029 | 1.3 | 0.103 | 5.105 | 0.044 | 0.103 | 2.455 | 0.005 |
| 47 | 649 | 650 | SN | 1 | -34.892 | 26.36 | 0.726 | -34.855 | 26.329 | 3.35 | -7.937 | 31.114 | 48.974 | -10.573 | 32.093 | 52.04 | 0.103 | 260.601 | 2.285 | 0.103 | 258.398 | 1.801 | 0.103 | 0.609 | 0.0 | 0.102 | 1.046 | 0.003 |
| 48 | 649 | 650 | NS | 1 | -34.942 | 25.688 | 2.295 | -34.946 | 25.331 | 0.363 | 10.495 | 29.686 | 17.392 | 10.826 | 30.554 | 34.621 | 0.103 | 277.903 | 3.697 | 0.103 | 263.837 | 3.52 | 0.103 | 0.108 | 0.0 | 0.103 | 0.108 | 0.0 |
| 49 | 650 | 651 | NS | 1 | -34.99 | 25.199 | 1.951 | -34.26 | 23.872 | 0.018 | 14.446 | 31.285 | 6.943 | 9.985 | 29.218 | 10.668 | 0.103 | 266.481 | 2.655 | 0.103 | 225.225 | 2.287 | 0.103 | 0.105 | 0.0 | 0.103 | 0.109 | 0.0 |
| 50 | 650 | 651 | SN | 1 | -34.167 | 25.869 | 0.784 | -34.677 | 26.227 | 2.682 | 8.445 | 31.146 | 53.538 | 9.808 | 32.823 | 57.409 | 0.103 | 220.525 | 1.547 | 0.103 | 247.995 | 1.22 | 0.103 | 0.112 | 0.0 | 0.102 | 0.109 | 0.0 |

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

| | | | | | Outer | | | | | | | | | | | |
| Sr No | Start Orbit | End Orbit | Dir. | Ver. | Incidence Angle | | | Azimuth Angle | | | Range | | | X-Factor | | |
| | | | | | Min | Max | BadOcc(%) | Min | Max | BadOcc(%) | Min | Max | BadOcc(%) | Min | Max | BadOcc(%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 622 | 623 | SN | 1 | 57.725 | 58.265 | 0.0 | 0.003 | 185.883 | 0.392 | 1217.64 | 1289.128 | 15.319 | -93.0 | -92.047 | 0.0 |
| 2 | 622 | 623 | NS | 1 | 57.666 | 58.179 | 0.0 | 0.003 | 1.291 | 0.386 | 1208.472 | 1277.28 | 2.176 | -93.052 | -91.98 | 0.0 |
| 3 | 623 | 624 | NS | 1 | 57.669 | 58.155 | 0.0 | 0.003 | 191.056 | 0.382 | 1209.352 | 1272.64 | 1.411 | -93.284 | -91.982 | 0.0 |
| 4 | 623 | 624 | SN | 1 | 57.729 | 58.263 | 0.0 | 0.003 | 1.291 | 0.386 | 1217.528 | 1289.0 | 14.572 | -93.107 | -92.047 | 0.0 |
| 5 | 624 | 625 | NS | 1 | 57.667 | 58.134 | 0.0 | 0.003 | 199.831 | 0.361 | 1209.416 | 1271.128 | 0.843 | -92.883 | -91.984 | 0.0 |
| 6 | 624 | 625 | SN | 1 | 57.723 | 58.265 | 0.0 | 0.003 | 1.291 | 0.368 | 1216.824 | 1289.2 | 13.694 | -93.418 | -92.044 | 0.0 |
| 7 | 625 | 626 | SN | 1 | 57.718 | 58.265 | 0.0 | 0.003 | 1.291 | 0.366 | 1216.432 | 1289.136 | 13.991 | -93.112 | -92.042 | 0.0 |
| 8 | 625 | 626 | NS | 1 | 57.667 | 58.171 | 0.0 | 0.003 | 209.901 | 0.366 | 1208.968 | 1275.72 | 0.373 | -93.181 | -91.986 | 0.0 |
| 9 | 626 | 627 | SN | 1 | 57.719 | 58.264 | 0.0 | 0.003 | 1.291 | 0.37 | 1216.128 | 1289.04 | 13.841 | -93.306 | -92.041 | 0.0 |
| 10 | 626 | 627 | NS | 1 | 57.67 | 58.261 | 0.0 | 0.003 | 1.291 | 0.372 | 1209.456 | 1288.656 | 11.491 | -92.979 | -91.987 | 0.0 |
| 11 | 627 | 628 | NS | 1 | 57.672 | 58.261 | 0.0 | 0.003 | 1.291 | 0.381 | 1209.384 | 1288.568 | 11.484 | -92.882 | -91.986 | 0.0 |
| 12 | 628 | 629 | NS | 1 | 57.685 | 58.26 | 0.0 | 0.003 | 1.291 | 0.376 | 1209.864 | 1288.408 | 10.42 | -93.004 | -91.987 | 0.0 |
| 13 | 628 | 629 | SN | 1 | 57.721 | 58.262 | 0.0 | 0.003 | 1.291 | 0.377 | 1216.936 | 1288.824 | 14.069 | -93.099 | -92.057 | 0.0 |
| 14 | 629 | 630 | NS | 1 | 57.668 | 58.266 | 0.0 | 0.003 | 1.291 | 0.369 | 1209.16 | 1288.496 | 11.144 | -93.09 | -91.985 | 0.0 |
| 15 | 629 | 630 | SN | 1 | 57.733 | 58.263 | 0.0 | 0.003 | 1.291 | 0.383 | 1217.136 | 1288.944 | 14.716 | -93.107 | -92.043 | 0.0 |
| 16 | 630 | 631 | NS | 1 | 57.67 | 58.261 | 0.0 | 0.003 | 1.291 | 0.376 | 1209.16 | 1288.584 | 11.703 | -93.122 | -91.985 | 0.0 |
| 17 | 631 | 632 | NS | 1 | 57.674 | 58.261 | 0.0 | 0.003 | 1.291 | 0.386 | 1209.92 | 1288.504 | 11.714 | -93.015 | -91.986 | 0.0 |
| 18 | 632 | 633 | NS | 1 | 57.674 | 58.26 | 0.0 | 0.003 | 1.291 | 0.373 | 1210.032 | 1288.408 | 11.337 | -93.354 | -91.987 | 0.0 |
| 19 | 633 | 634 | NS | 1 | 57.671 | 58.261 | 0.0 | 0.003 | 1.291 | 0.369 | 1209.152 | 1288.488 | 11.252 | -93.091 | -91.99 | 0.0 |
| 20 | 634 | 635 | NS | 1 | 57.666 | 58.261 | 0.0 | 0.003 | 1.291 | 0.373 | 1209.016 | 1288.568 | 11.597 | -93.143 | -91.985 | 0.0 |
| 21 | 635 | 636 | SN | 1 | 57.736 | 58.264 | 0.0 | 0.003 | 192.143 | 0.374 | 1216.848 | 1289.08 | 14.474 | -93.404 | -92.039 | 0.0 |
| 22 | 635 | 636 | NS | 1 | 57.677 | 58.244 | 0.0 | 0.003 | 1.291 | 0.377 | 1209.656 | 1286.176 | 3.91 | -93.088 | -91.985 | 0.0 |
| 23 | 636 | 637 | SN | 1 | 57.699 | 58.265 | 0.0 | 0.003 | 1.291 | 0.384 | 1216.224 | 1289.152 | 14.965 | -93.281 | -92.041 | 0.0 |
| 24 | 636 | 637 | NS | 1 | 57.666 | 58.223 | 0.0 | 0.003 | 197.415 | 0.376 | 1209.304 | 1283.336 | 1.897 | -93.027 | -91.985 | 0.0 |
| 25 | 637 | 638 | NS | 1 | 57.673 | 58.162 | 0.0 | 0.003 | 208.732 | 0.394 | 1209.512 | 1274.256 | 0.238 | -93.024 | -91.986 | 0.0 |
| 26 | 637 | 638 | SN | 1 | 57.727 | 58.264 | 0.0 | 0.003 | 1.291 | 0.395 | 1216.536 | 1288.976 | 14.486 | -93.085 | -92.041 | 0.0 |
| 27 | 638 | 639 | NS | 1 | 57.679 | 58.145 | 0.0 | 0.003 | 1.291 | 0.364 | 1210.064 | 1271.848 | 0.0 | -92.919 | -91.99 | 0.0 |
| 28 | 638 | 639 | SN | 1 | 57.716 | 58.265 | 0.0 | 0.003 | 1.291 | 0.373 | 1216.712 | 1289.128 | 13.963 | -93.015 | -92.04 | 0.0 |
| 29 | 639 | 640 | SN | 1 | 57.71 | 58.269 | 0.0 | 0.003 | 1.291 | 0.363 | 1215.816 | 1289.24 | 13.714 | -93.117 | -92.036 | 0.0 |
| 30 | 639 | 640 | NS | 1 | 57.676 | 58.172 | 0.0 | 0.003 | 1.291 | 0.364 | 1210.232 | 1273.2 | 0.0 | -93.036 | -91.988 | 0.0 |
| 31 | 640 | 641 | NS | 1 | 57.677 | 58.205 | 0.0 | 0.003 | 1.291 | 0.374 | 1210.32 | 1280.984 | 0.047 | -92.958 | -91.99 | 0.0 |
| 32 | 640 | 641 | SN | 1 | 57.712 | 58.265 | 0.0 | 0.003 | 1.291 | 0.366 | 1216.128 | 1289.168 | 13.778 | -93.27 | -92.038 | 0.0 |
| 33 | 641 | 642 | SN | 1 | 57.715 | 58.192 | 0.0 | 0.003 | 1.291 | 0.366 | 1215.624 | 1276.88 | 0.0 | -93.077 | -92.035 | 0.0 |
| 34 | 641 | 642 | NS | 1 | 57.706 | 58.262 | 0.0 | 0.003 | 1.291 | 0.373 | 1210.392 | 1288.752 | 11.797 | -93.137 | -91.99 | 0.0 |

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

Normal    Deviations
Alarming    High Errors

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35 | 642 | 643 | NS | 2 | 57.686 | 58.261 | 0.0 | 0.003 | 1.291 | 0.377 | 1210.416 | 1288.592 | 11.199 | -93.181 | -91.99 | 0.0 |
| 36 | 642 | 643 | SN | 1 | 57.713 | 58.263 | 0.0 | 0.003 | 1.291 | 0.373 | 1215.64 | 1288.952 | 13.794 | -93.144 | -92.048 | 0.0 |
| 37 | 643 | 644 | NS | 1 | 57.692 | 58.261 | 0.0 | 0.003 | 1.291 | 0.377 | 1210.392 | 1288.616 | 10.965 | -93.125 | -91.994 | 0.0 |
| 38 | 643 | 644 | SN | 1 | 57.713 | 58.263 | 0.0 | 0.003 | 1.291 | 0.382 | 1215.608 | 1289.0 | 14.283 | -93.239 | -92.049 | 0.0 |
| 39 | 644 | 645 | SN | 1 | 57.722 | 58.264 | 0.0 | 0.003 | 1.291 | 0.381 | 1216.504 | 1289.176 | 14.424 | -93.108 | -92.05 | 0.0 |
| 40 | 644 | 645 | NS | 1 | 57.676 | 58.263 | 0.0 | 0.003 | 1.291 | 0.369 | 1209.904 | 1288.8 | 11.162 | -93.003 | -91.989 | 0.0 |
| 41 | 645 | 646 | NS | 1 | 57.672 | 58.263 | 0.0 | 0.003 | 1.291 | 0.381 | 1209.752 | 1288.88 | 11.998 | -93.157 | -91.995 | 0.0 |
| 42 | 646 | 647 | NS | 1 | 57.677 | 58.262 | 0.0 | 0.003 | 1.291 | 0.379 | 1209.856 | 1288.728 | 11.8 | -93.373 | -91.991 | 0.0 |
| 43 | 647 | 648 | NS | 1 | 57.678 | 58.262 | 0.0 | 0.003 | 1.291 | 0.371 | 1210.368 | 1288.68 | 11.664 | -93.04 | -91.991 | 0.0 |
| 44 | 647 | 648 | SN | 1 | 57.717 | 58.264 | 0.0 | 0.003 | 1.291 | 0.379 | 1215.736 | 1289.064 | 14.38 | -93.085 | -92.048 | 0.0 |
| 45 | 648 | 649 | SN | 1 | 57.714 | 58.265 | 0.0 | 0.003 | 190.753 | 0.379 | 1215.832 | 1289.12 | 14.373 | -93.178 | -92.047 | 0.0 |
| 46 | 648 | 649 | NS | 1 | 57.678 | 58.26 | 0.0 | 0.003 | 1.291 | 0.372 | 1210.28 | 1288.488 | 9.344 | -93.062 | -91.991 | 0.0 |
| 47 | 649 | 650 | SN | 1 | 57.722 | 58.265 | 0.0 | 0.003 | 198.557 | 0.371 | 1216.08 | 1289.144 | 14.46 | -93.07 | -92.047 | 0.0 |
| 48 | 649 | 650 | NS | 1 | 57.675 | 58.254 | 0.0 | 0.003 | 194.884 | 0.37 | 1209.496 | 1287.568 | 6.057 | -93.07 | -91.988 | 0.0 |
| 49 | 650 | 651 | NS | 1 | 57.68 | 58.235 | 0.0 | 0.003 | 203.641 | 0.375 | 1210.112 | 1284.968 | 2.002 | -93.072 | -91.988 | 0.0 |
| 50 | 650 | 651 | SN | 1 | 57.708 | 58.266 | 0.0 | 0.003 | 1.291 | 0.377 | 1215.552 | 1289.304 | 14.518 | -92.998 | -92.034 | 0.0 |

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

■ Normal   ■ Deviations
■ Alarming   ■ High Errors

| SrNo | Start Orbit | End Orbit | Dir. | Ver. | SNR Sea Aft Min | Max | BadOcc (%) | SNR Sea Fore Min | Max | BadOcc (%) | SNR Land Aft Min | Max | BadOcc (%) | SNR Land Fore Min | Max | BadOcc (%) | Kp Sea Aft Min | Max | BadOcc (%) | Kp Sea Fore Min | Max | BadOcc (%) | Kp Land Aft Min | Max | BadOcc (%) | Kp Land Fore Min | Max | BadOcc (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 622 | 623 | SN | 1 | -33.744 | 19.513 | 0.0 | -33.401 | 19.68 | 0.0 | -19.682 | 24.647 | 0.721 | -12.091 | 25.06 | 0.519 | 0.08 | 158.343 | 0.964 | 0.08 | 146.307 | 0.925 | 0.08 | 6.274 | 0.005 | 0.08 | 1.144 | 0.002 |
| 2 | 622 | 623 | NS | 1 | -34.294 | 18.9 | 0.0 | -33.905 | 18.208 | 0.0 | 4.699 | 24.126 | 0.066 | 4.651 | 23.216 | 0.011 | 0.08 | 179.685 | 3.22 | 0.081 | 164.315 | 3.564 | 0.08 | 0.098 | 0.0 | 0.08 | 0.098 | 0.0 |
| 3 | 623 | 624 | NS | 1 | -34.948 | 18.7 | 0.0 | -34.297 | 17.913 | 0.0 | 2.276 | 24.325 | 0.059 | 3.032 | 25.679 | 0.132 | 0.08 | 208.848 | 2.211 | 0.081 | 179.787 | 2.522 | 0.08 | 0.113 | 0.0 | 0.08 | 0.107 | 0.0 |
| 4 | 623 | 624 | SN | 1 | -34.139 | 20.269 | 0.0 | -34.39 | 20.749 | 0.0 | -20.03 | 24.347 | 0.598 | -16.817 | 24.35 | 0.271 | 0.08 | 173.403 | 2.466 | 0.08 | 183.664 | 2.054 | 0.08 | 6.791 | 0.005 | 0.08 | 3.273 | 0.004 |
| 5 | 624 | 625 | NS | 1 | -34.55 | 18.806 | 0.0 | -34.968 | 16.272 | 0.0 | -32.479 | 20.968 | 0.0 | -26.757 | 21.449 | 0.0 | 0.08 | 190.638 | 3.57 | 0.081 | 209.843 | 3.732 | 0.08 | 118.341 | 0.026 | 0.08 | 31.732 | 0.047 |
| 6 | 624 | 625 | SN | 1 | -34.659 | 20.065 | 0.0 | -34.193 | 20.676 | 0.0 | 3.292 | 23.867 | 0.831 | 1.864 | 24.01 | 0.549 | 0.08 | 195.417 | 2.448 | 0.08 | 175.56 | 2.279 | 0.08 | 0.106 | 0.0 | 0.08 | 0.117 | 0.0 |
| 7 | 625 | 626 | SN | 1 | -34.68 | 19.568 | 0.0 | -33.008 | 19.947 | 0.0 | 2.8 | 23.69 | 0.83 | 2.972 | 22.939 | 0.061 | 0.08 | 196.412 | 0.424 | 0.08 | 133.634 | 0.473 | 0.08 | 0.109 | 0.0 | 0.08 | 0.108 | 0.0 |
| 8 | 625 | 626 | NS | 1 | -34.786 | 18.153 | 0.0 | -34.575 | 16.697 | 0.0 | -16.024 | 23.074 | 0.041 | -15.236 | 23.414 | 0.173 | 0.081 | 201.227 | 3.031 | 0.081 | 191.695 | 3.252 | 0.08 | 2.737 | 0.005 | 0.08 | 2.293 | 0.016 |
| 9 | 626 | 627 | SN | 1 | -34.931 | 18.034 | 0.0 | -34.563 | 18.704 | 0.0 | 2.513 | 23.883 | 3.509 | 2.698 | 23.918 | 4.244 | 0.081 | 208.058 | 2.861 | 0.08 | 191.187 | 2.839 | 0.08 | 0.111 | 0.0 | 0.08 | 0.11 | 0.0 |
| 10 | 626 | 627 | NS | 1 | -34.442 | 18.02 | 0.0 | -34.43 | 17.782 | 0.0 | -17.325 | 23.665 | 0.355 | -21.28 | 24.84 | 0.528 | 0.081 | 185.929 | 0.827 | 0.081 | 185.42 | 0.96 | 0.08 | 3.671 | 0.005 | 0.08 | 9.036 | 0.01 |
| 11 | 627 | 628 | NS | 1 | -34.687 | 18.205 | 0.0 | -34.024 | 17.803 | 0.0 | -16.961 | 24.036 | 0.106 | -29.866 | 23.886 | 0.365 | 0.081 | 196.695 | 0.682 | 0.081 | 168.864 | 0.689 | 0.08 | 3.381 | 0.002 | 0.08 | 64.862 | 0.006 |
| 12 | 628 | 629 | NS | 1 | -34.281 | 20.311 | 0.0 | -34.761 | 20.235 | 0.0 | -34.36 | 23.965 | 1.034 | -25.073 | 24.828 | 1.461 | 0.08 | 179.175 | 1.16 | 0.08 | 200.096 | 1.353 | 0.08 | 182.419 | 0.083 | 0.08 | 21.552 | 0.05 |
| 13 | 628 | 629 | SN | 1 | -34.553 | 19.288 | 0.0 | -34.988 | 19.593 | 0.0 | 2.704 | 25.189 | 2.211 | 3.86 | 24.905 | 1.794 | 0.08 | 190.73 | 3.223 | 0.08 | 210.791 | 2.96 | 0.08 | 0.11 | 0.0 | 0.08 | 0.102 | 0.0 |
| 14 | 629 | 630 | NS | 1 | -34.895 | 20.314 | 0.0 | -34.407 | 20.959 | 0.0 | 4.565 | 24.318 | 2.356 | 2.361 | 24.991 | 3.919 | 0.08 | 206.354 | 1.054 | 0.08 | 184.421 | 1.055 | 0.08 | 0.099 | 0.0 | 0.08 | 0.112 | 0.0 |
| 15 | 629 | 630 | SN | 1 | -34.885 | 18.567 | 0.0 | -34.86 | 20.82 | 0.0 | -0.792 | 26.233 | 2.88 | 1.394 | 25.037 | 2.82 | 0.081 | 205.868 | 3.578 | 0.08 | 204.697 | 3.216 | 0.08 | 0.15 | 0.0 | 0.08 | 0.121 | 0.0 |
| 16 | 630 | 631 | NS | 1 | -33.002 | 20.427 | 0.0 | -34.58 | 20.739 | 0.0 | -2.893 | 25.069 | 2.58 | -0.153 | 26.021 | 5.221 | 0.08 | 133.447 | 0.922 | 0.08 | 191.914 | 0.832 | 0.08 | 0.198 | 0.0 | 0.08 | 0.14 | 0.0 |
| 17 | 631 | 632 | NS | 1 | -34.063 | 20.348 | 0.0 | -34.014 | 19.29 | 0.0 | -1.418 | 25.266 | 5.102 | 1.063 | 25.869 | 9.256 | 0.08 | 170.388 | 1.428 | 0.08 | 168.485 | 1.499 | 0.08 | 0.162 | 0.0 | 0.08 | 0.125 | 0.0 |
| 18 | 632 | 633 | NS | 1 | -34.309 | 20.087 | 0.0 | -34.889 | 19.443 | 0.0 | -2.054 | 24.189 | 1.788 | -0.243 | 25.371 | 4.121 | 0.08 | 180.296 | 0.833 | 0.08 | 206.093 | 0.872 | 0.08 | 0.176 | 0.0 | 0.08 | 0.142 | 0.0 |
| 19 | 633 | 634 | NS | 1 | -34.15 | 20.295 | 0.0 | -34.88 | 19.194 | 0.0 | -0.051 | 24.666 | 4.293 | 2.118 | 24.808 | 4.831 | 0.08 | 173.809 | 1.658 | 0.08 | 205.608 | 1.854 | 0.08 | 0.139 | 0.0 | 0.08 | 0.114 | 0.0 |
| 20 | 634 | 635 | NS | 1 | -34.325 | 20.121 | 0.0 | -34.795 | 19.539 | 0.0 | -2.741 | 24.409 | 2.669 | 1.609 | 24.748 | 4.391 | 0.08 | 180.977 | 2.746 | 0.08 | 201.646 | 2.757 | 0.08 | 0.194 | 0.0 | 0.08 | 0.119 | 0.0 |
| 21 | 635 | 636 | SN | 1 | -34.982 | 19.185 | 0.0 | -34.812 | 20.218 | 0.0 | -0.804 | 24.771 | 7.041 | -2.066 | 25.507 | 11.484 | 0.08 | 210.532 | 1.637 | 0.08 | 202.408 | 1.605 | 0.08 | 0.151 | 0.0 | 0.08 | 0.176 | 0.0 |
| 22 | 635 | 636 | NS | 1 | -34.321 | 19.681 | 0.0 | -34.747 | 16.646 | 0.0 | 5.771 | 24.271 | 2.51 | 2.203 | 24.446 | 5.133 | 0.08 | 180.859 | 0.762 | 0.081 | 199.41 | 0.646 | 0.08 | 0.094 | 0.0 | 0.08 | 0.114 | 0.0 |
| 23 | 636 | 637 | SN | 1 | -34.629 | 19.564 | 0.0 | -34.7 | 20.458 | 0.0 | 2.997 | 24.789 | 3.49 | 5.786 | 25.035 | 5.021 | 0.08 | 194.108 | 1.391 | 0.08 | 197.295 | 1.151 | 0.08 | 0.108 | 0.0 | 0.08 | 0.094 | 0.0 |
| 24 | 636 | 637 | NS | 1 | -34.767 | 19.271 | 0.0 | -34.971 | 17.146 | 0.0 | 1.999 | 23.204 | 0.058 | 3.125 | 21.513 | 0.0 | 0.08 | 200.351 | 4.726 | 0.081 | 209.997 | 4.613 | 0.08 | 0.115 | 0.0 | 0.08 | 0.107 | 0.0 |
| 25 | 637 | 638 | NS | 1 | -34.778 | 18.572 | 0.0 | -34.456 | 17.976 | 0.0 | 3.701 | 25.049 | 0.073 | 6.176 | 24.268 | 0.103 | 0.081 | 200.834 | 2.386 | 0.081 | 186.491 | 2.654 | 0.08 | 0.103 | 0.0 | 0.08 | 0.093 | 0.0 |
| 26 | 637 | 638 | SN | 1 | -34.82 | 19.907 | 0.0 | -34.27 | 20.032 | 0.0 | -16.288 | 24.251 | 0.664 | -9.405 | 24.33 | 0.419 | 0.08 | 202.811 | 1.199 | 0.08 | 178.69 | 0.958 | 0.08 | 2.905 | 0.011 | 0.08 | 0.646 | 0.0 |
| 27 | 638 | 639 | NS | 1 | -34.47 | 18.605 | 0.0 | -34.94 | 17.684 | 0.0 | -9.11 | 26.539 | 0.072 | -10.512 | 24.361 | 0.074 | 0.081 | 187.117 | 2.267 | 0.081 | 208.48 | 2.217 | 0.08 | 0.608 | 0.0 | 0.08 | 0.815 | 0.0 |
| 28 | 638 | 639 | SN | 1 | -34.111 | 20.459 | 0.0 | -34.289 | 20.264 | 0.0 | -5.103 | 24.681 | 0.613 | -2.114 | 24.375 | 0.31 | 0.08 | 172.252 | 2.204 | 0.08 | 179.496 | 1.863 | 0.08 | 0.282 | 0.0 | 0.08 | 0.178 | 0.0 |
| 29 | 639 | 640 | SN | 1 | -34.315 | 20.099 | 0.0 | -34.767 | 20.56 | 0.0 | -1.7 | 23.485 | 0.936 | -2.283 | 22.644 | 0.114 | 0.08 | 180.598 | 1.436 | 0.08 | 200.368 | 1.209 | 0.08 | 0.168 | 0.0 | 0.08 | 0.182 | 0.0 |
| 30 | 639 | 640 | NS | 1 | -34.717 | 18.122 | 0.0 | -34.017 | 16.654 | 0.0 | -6.803 | 22.395 | 0.007 | -20.623 | 24.27 | 0.13 | 0.081 | 198.081 | 2.678 | 0.081 | 168.58 | 3.172 | 0.08 | 0.385 | 0.0 | 0.08 | 7.774 | 0.02 |
| 31 | 640 | 641 | NS | 1 | -34.779 | 18.006 | 0.0 | -34.925 | 17.566 | 0.0 | -20.552 | 21.536 | 0.0 | -17.094 | 23.292 | 0.01 | 0.081 | 200.962 | 2.341 | 0.081 | 207.77 | 2.52 | 0.08 | 7.649 | 0.007 | 0.08 | 3.484 | 0.008 |
| 32 | 640 | 641 | SN | 1 | -33.542 | 18.065 | 0.0 | -34.878 | 18.858 | 0.0 | 2.927 | 24.26 | 2.007 | 3.263 | 23.504 | 1.818 | 0.081 | 151.113 | 0.985 | 0.08 | 205.59 | 0.945 | 0.08 | 0.108 | 0.0 | 0.08 | 0.106 | 0.0 |

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

■ Normal  □ Deviations
■ Alarming  ■ High Errors

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 641 | 642 | SN | 1 | -34.971 | 16.375 | 0.0 | -34.968 | 18.386 | 0.0 | 4.135 | 18.642 | 0.0 | 5.579 | 19.627 | 0.0 | 0.081 | 209.987 | 3.218 | 0.081 | 209.863 | 3.377 | 0.08 | 0.101 | 0.0 | 0.08 | 0.095 | 0.0 |
| 34 | 641 | 642 | NS | 1 | -33.522 | 17.769 | 0.0 | -34.946 | 17.884 | 0.0 | -6.987 | 24.519 | 0.271 | -22.572 | 24.127 | 0.347 | 0.081 | 150.428 | 0.385 | 0.081 | 208.803 | 0.417 | 0.08 | 0.399 | 0.0 | 0.08 | 12.146 | 0.002 |
| 35 | 642 | 643 | NS | 2 | -34.185 | 18.682 | 0.0 | -34.41 | 19.148 | 0.0 | -22.685 | 26.347 | 0.201 | -20.411 | 23.962 | 0.705 | 0.08 | 175.266 | 1.508 | 0.08 | 184.545 | 1.623 | 0.08 | 12.461 | 0.021 | 0.08 | 7.408 | 0.01 |
| 36 | 642 | 643 | SN | 1 | -34.312 | 18.167 | 0.0 | -34.569 | 19.151 | 0.0 | 1.67 | 24.059 | 1.061 | 4.81 | 24.556 | 0.306 | 0.081 | 180.417 | 2.156 | 0.08 | 191.397 | 2.121 | 0.08 | 0.118 | 0.0 | 0.08 | 0.098 | 0.0 |
| 37 | 643 | 644 | NS | 1 | -34.195 | 20.493 | 0.0 | -32.73 | 20.481 | 0.0 | -0.846 | 24.212 | 1.849 | -0.86 | 24.041 | 2.235 | 0.08 | 175.651 | 0.962 | 0.08 | 125.365 | 1.195 | 0.08 | 0.151 | 0.0 | 0.08 | 0.152 | 0.0 |
| 38 | 643 | 644 | SN | 1 | -34.905 | 18.738 | 0.0 | -34.799 | 20.634 | 0.0 | 1.877 | 24.692 | 2.496 | 2.734 | 25.134 | 2.512 | 0.08 | 206.821 | 4.466 | 0.08 | 201.868 | 4.201 | 0.08 | 0.116 | 0.0 | 0.08 | 0.11 | 0.0 |
| 39 | 644 | 645 | SN | 1 | -34.589 | 18.323 | 0.0 | -34.792 | 20.359 | 0.0 | -8.021 | 24.878 | 2.526 | -4.896 | 25.77 | 2.59 | 0.081 | 192.334 | 3.618 | 0.08 | 201.504 | 3.661 | 0.08 | 0.488 | 0.0 | 0.08 | 0.272 | 0.0 |
| 40 | 644 | 645 | NS | 1 | -28.2 | 20.575 | 0.0 | -33.611 | 20.49 | 0.0 | 0.311 | 24.695 | 3.014 | -1.865 | 25.314 | 4.884 | 0.08 | 44.217 | 0.205 | 0.08 | 153.58 | 0.228 | 0.08 | 0.134 | 0.0 | 0.08 | 0.172 | 0.0 |
| 41 | 645 | 646 | NS | 1 | -34.897 | 19.941 | 0.0 | -34.967 | 19.531 | 0.0 | 3.195 | 25.042 | 3.463 | 2.93 | 26.205 | 7.446 | 0.08 | 206.43 | 2.208 | 0.08 | 209.765 | 2.094 | 0.08 | 0.106 | 0.0 | 0.08 | 0.108 | 0.0 |
| 42 | 646 | 647 | NS | 1 | -34.943 | 20.869 | 0.0 | -34.41 | 19.052 | 0.0 | -8.969 | 24.721 | 2.02 | -5.369 | 25.312 | 4.804 | 0.08 | 208.628 | 1.536 | 0.08 | 184.529 | 1.707 | 0.08 | 0.591 | 0.0 | 0.08 | 0.296 | 0.0 |
| 43 | 647 | 648 | NS | 1 | -34.993 | 20.798 | 0.0 | -34.954 | 19.458 | 0.0 | -20.593 | 24.509 | 2.509 | -21.508 | 25.051 | 4.209 | 0.08 | 211.026 | 1.505 | 0.08 | 209.182 | 1.67 | 0.08 | 7.723 | 0.012 | 0.08 | 9.517 | 0.013 |
| 44 | 647 | 648 | SN | 1 | -34.241 | 19.149 | 0.0 | -34.425 | 21.443 | 0.0 | -26.302 | 25.43 | 1.657 | -32.255 | 25.379 | 1.84 | 0.08 | 177.502 | 1.35 | 0.08 | 185.187 | 1.476 | 0.08 | 28.583 | 0.051 | 0.08 | 112.386 | 0.011 |
| 45 | 648 | 649 | SN | 1 | -33.184 | 19.288 | 0.0 | -29.089 | 20.65 | 0.0 | -15.406 | 24.658 | 1.928 | -11.506 | 25.967 | 2.14 | 0.08 | 139.202 | 0.251 | 0.08 | 54.251 | 0.24 | 0.08 | 2.382 | 0.005 | 0.08 | 1.008 | 0.001 |
| 46 | 648 | 649 | NS | 1 | -34.868 | 20.872 | 0.0 | -34.075 | 19.752 | 0.0 | -32.833 | 25.246 | 4.689 | -11.418 | 24.703 | 5.442 | 0.08 | 205.023 | 1.435 | 0.08 | 170.895 | 1.293 | 0.08 | 128.378 | 0.025 | 0.08 | 0.989 | 0.0 |
| 47 | 649 | 650 | SN | 1 | -34.02 | 20.664 | 0.0 | -34.97 | 20.532 | 0.0 | -28.922 | 24.672 | 4.998 | -21.073 | 25.708 | 6.759 | 0.08 | 168.699 | 1.837 | 0.08 | 209.949 | 1.671 | 0.08 | 52.199 | 0.106 | 0.08 | 8.617 | 0.112 |
| 48 | 649 | 650 | NS | 1 | -34.199 | 20.729 | 0.0 | -34.912 | 19.393 | 0.0 | 3.034 | 24.206 | 3.137 | 2.228 | 24.893 | 6.755 | 0.08 | 175.839 | 2.611 | 0.08 | 207.151 | 2.814 | 0.08 | 0.107 | 0.0 | 0.08 | 0.113 | 0.0 |
| 49 | 650 | 651 | NS | 1 | -34.953 | 19.533 | 0.0 | -34.721 | 16.844 | 0.0 | 6.464 | 24.284 | 0.876 | 4.394 | 23.201 | 0.356 | 0.08 | 209.093 | 3.032 | 0.081 | 198.224 | 2.947 | 0.08 | 0.092 | 0.0 | 0.08 | 0.1 | 0.0 |
| 50 | 650 | 651 | SN | 1 | -33.409 | 19.664 | 0.0 | -34.315 | 19.974 | 0.0 | 3.054 | 24.69 | 5.025 | 5.443 | 25.696 | 8.417 | 0.08 | 146.548 | 1.241 | 0.08 | 180.58 | 1.126 | 0.08 | 0.107 | 0.0 | 0.08 | 0.095 | 0.0 |

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

Normal  Deviations  Alarming  High Errors