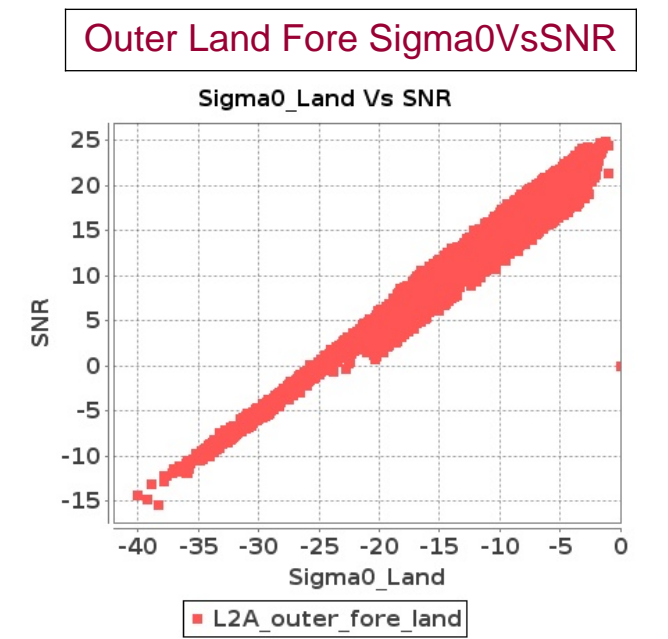
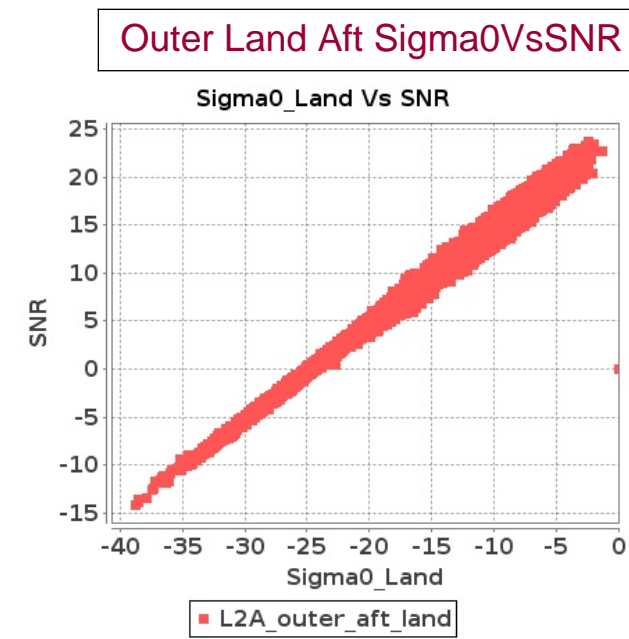
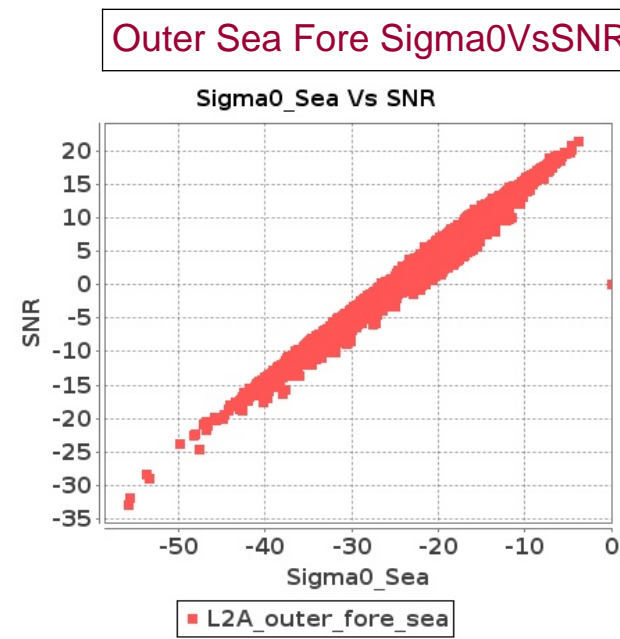
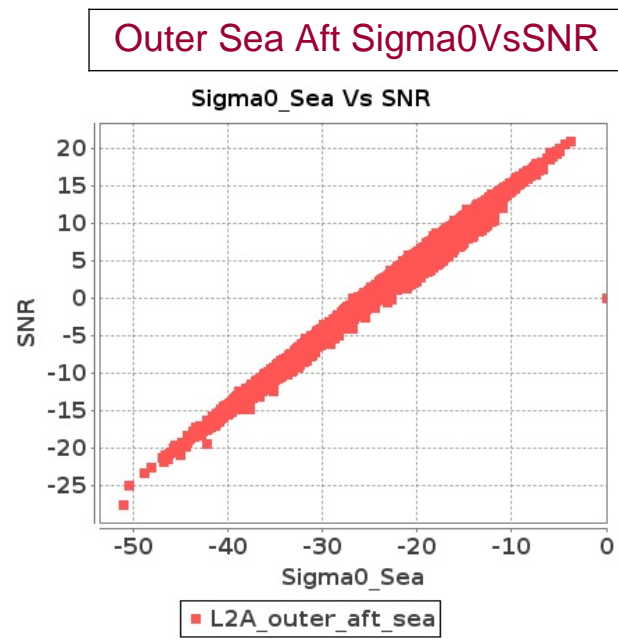
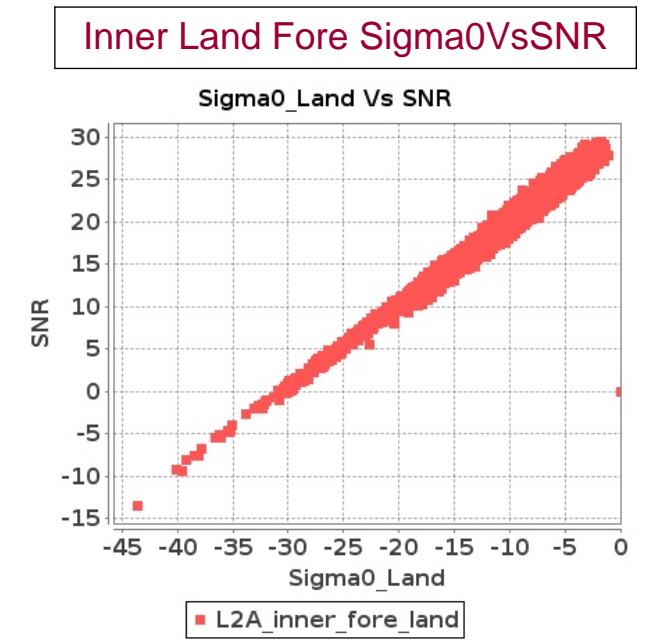
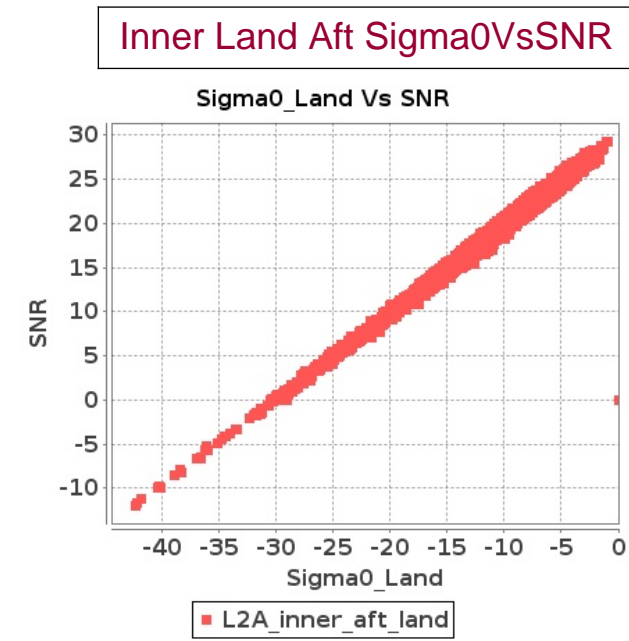
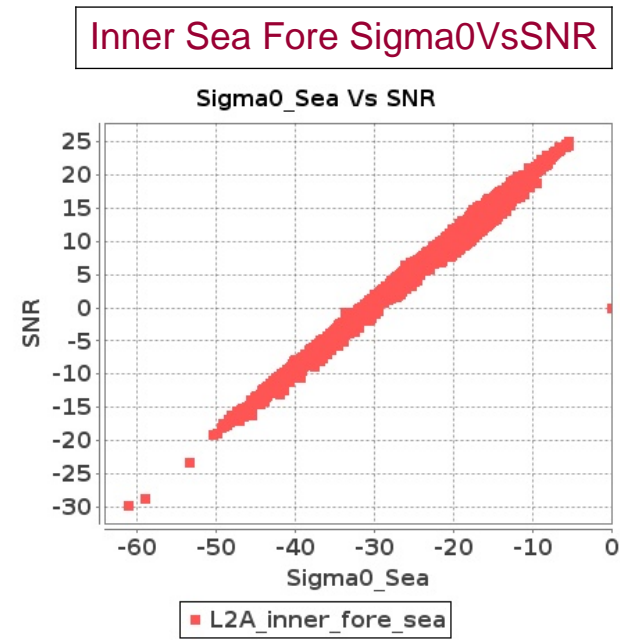
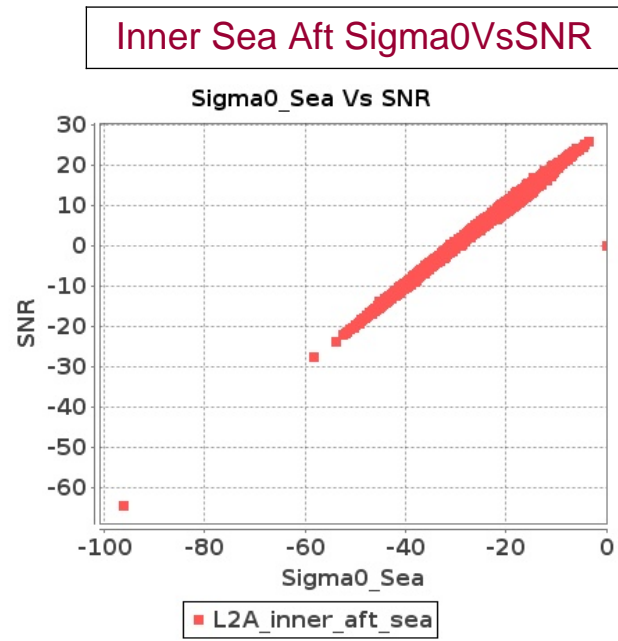


# SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 08-AUG-2018 To 09-AUG-2018



## SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 08-AUG-2018 To 09-AUG-2018

| Sr No | Start Orbit | End Orbit | Dir. | Ver. | SNR       |        |            |            |        |            |           |        |            |            |        |            | Sigma0    |        |            |            |        |            |           |        |            |            |        |            |
|-------|-------------|-----------|------|------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|-----------|--------|------------|------------|--------|------------|
|       |             |           |      |      | Inner Aft |        |            | Inner Fore |        |            | Outer Aft |        |            | Outer Fore |        |            | Inner Aft |        |            | Inner Fore |        |            | Outer Aft |        |            | Outer Fore |        |            |
|       |             |           |      |      | 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     | 9871        | 9872      | SN   | 1    | 0.0       | 50.341 | 1.834      | 0.0        | 47.405 | 2.083      | 0.0       | 43.491 | 1.515      | 0.0        | 45.152 | 1.799      | 0.0       | 50.58  | 1.872      | 0.0        | 48.137 | 2.107      | 0.0       | 42.311 | 1.489      | 0.0        | 46.674 | 1.804      |
| 2     | 9871        | 9872      | SN   | 1    | 0.0       | 52.476 | 5.714      | 0.0        | 46.136 | 6.415      | 0.0       | 44.43  | 5.537      | 0.0        | 45.398 | 6.228      | 0.0       | 51.469 | 5.927      | 0.0        | 47.948 | 6.283      | 0.0       | 43.66  | 5.701      | 0.0        | 47.139 | 6.242      |
| 3     | 9871        | 9872      | SN   | 1    | 0.0       | 52.476 | 5.92       | 0.0        | 46.136 | 6.726      | 0.0       | 44.43  | 5.347      | 0.0        | 45.963 | 6.391      | 0.0       | 51.469 | 6.101      | 0.0        | 47.948 | 6.619      | 0.0       | 42.99  | 5.489      | 0.0        | 47.482 | 6.459      |
| 4     | 9871        | 9872      | SN   | 1    | 0.0       | 48.966 | 1.728      | 0.0        | 47.341 | 2.012      | 0.0       | 43.526 | 1.469      | 0.0        | 42.403 | 1.794      | 0.0       | 49.101 | 1.755      | 0.0        | 48.072 | 2.032      | 0.0       | 42.351 | 1.476      | 0.0        | 42.516 | 1.776      |
| 5     | 9871        | 9872      | SN   | 1    | 0.0       | 50.341 | 1.73       | 0.0        | 47.405 | 1.991      | 0.0       | 43.491 | 1.465      | 0.0        | 41.897 | 1.79       | 0.0       | 50.58  | 1.785      | 0.0        | 48.137 | 2.003      | 0.0       | 42.311 | 1.453      | 0.0        | 41.764 | 1.78       |
| 6     | 9871        | 9872      | SN   | 1    | 0.0       | 52.476 | 5.643      | 0.0        | 45.541 | 6.425      | 0.0       | 46.825 | 5.395      | 0.0        | 46.586 | 6.135      | 0.0       | 51.469 | 5.856      | 0.0        | 48.682 | 6.405      | 0.0       | 45.946 | 5.616      | 0.0        | 49.234 | 6.221      |
| 7     | 9872        | 9873      | SN   | 1    | 0.0       | 42.863 | 3.418      | 0.0        | 46.046 | 4.071      | 0.0       | 48.935 | 3.49       | 0.0        | 43.447 | 4.065      | 0.0       | 43.93  | 3.51       | 0.0        | 45.728 | 3.546      | 0.0       | 49.715 | 3.446      | 0.0        | 47.746 | 3.437      |
| 8     | 9872        | 9873      | SN   | 1    | 0.0       | 46.119 | 3.394      | 0.0        | 45.65  | 4.019      | 0.0       | 48.936 | 3.447      | 0.0        | 43.84  | 4.01       | 0.0       | 45.524 | 3.475      | 0.0        | 44.866 | 3.502      | 0.0       | 49.715 | 3.475      | 0.0        | 47.658 | 3.37       |
| 9     | 9872        | 9873      | SN   | 1    | 0.0       | 49.43  | 0.963      | 0.0        | 49.373 | 1.327      | 0.0       | 40.972 | 1.053      | 0.0        | 40.155 | 1.269      | 0.0       | 48.996 | 0.993      | 0.0        | 45.773 | 1.16       | 0.0       | 40.814 | 0.983      | 0.0        | 37.423 | 1.024      |
| 10    | 9872        | 9873      | NS   | 1    | 0.0       | 54.612 | 3.429      | 0.0        | 52.72  | 4.254      | 0.0       | 42.122 | 2.943      | 0.0        | 51.059 | 4.071      | 0.0       | 54.164 | 3.52       | 0.0        | 51.859 | 3.897      | 0.0       | 42.694 | 2.722      | 0.0        | 49.318 | 3.28       |
| 11    | 9872        | 9873      | NS   | 1    | 0.0       | 44.407 | 0.89       | 0.0        | 51.433 | 1.143      | 0.0       | 41.876 | 0.722      | 0.0        | 43.228 | 1.134      | 0.0       | 43.4   | 0.867      | 0.0        | 51.339 | 1.066      | 0.0       | 40.5   | 0.699      | 0.0        | 41.416 | 0.948      |
| 12    | 9872        | 9873      | SN   | 1    | 0.0       | 43.345 | 0.945      | 0.0        | 46.139 | 1.314      | 0.0       | 40.961 | 1.075      | 0.0        | 43.344 | 1.266      | 0.0       | 43.0   | 0.945      | 0.0        | 45.102 | 1.151      | 0.0       | 41.605 | 0.988      | 0.0        | 43.052 | 1.026      |
| 13    | 9873        | 9874      | SN   | 1    | 0.0       | 43.064 | 3.596      | 0.0        | 55.01  | 4.365      | 0.0       | 39.003 | 3.427      | 0.0        | 45.155 | 4.801      | 0.0       | 43.553 | 3.576      | 0.0        | 55.145 | 4.325      | 0.0       | 40.321 | 3.385      | 0.0        | 44.823 | 4.673      |
| 14    | 9873        | 9874      | SN   | 1    | 0.0       | 43.064 | 3.647      | 0.0        | 55.01  | 4.422      | 0.0       | 39.003 | 3.471      | 0.0        | 45.155 | 4.863      | 0.0       | 43.553 | 3.626      | 0.0        | 55.145 | 4.38       | 0.0       | 40.321 | 3.428      | 0.0        | 44.823 | 4.733      |
| 15    | 9873        | 9874      | NS   | 1    | 0.0       | 43.718 | 0.474      | 0.0        | 40.867 | 0.719      | 0.0       | 40.203 | 0.519      | 0.0        | 42.612 | 0.767      | 0.0       | 43.358 | 0.445      | 0.0        | 39.303 | 0.649      | 0.0       | 39.694 | 0.438      | 0.0        | 41.456 | 0.582      |
| 16    | 9873        | 9874      | SN   | 1    | 0.0       | 42.751 | 1.066      | 0.0        | 44.408 | 1.448      | 0.0       | 37.408 | 1.098      | 0.0        | 41.611 | 1.766      | 0.0       | 44.361 | 1.082      | 0.0        | 44.605 | 1.363      | 0.0       | 38.097 | 1.022      | 0.0        | 40.945 | 1.496      |
| 17    | 9873        | 9874      | NS   | 1    | 0.0       | 42.646 | 1.531      | 0.0        | 51.085 | 2.32       | 0.0       | 39.492 | 1.769      | 0.0        | 47.782 | 2.809      | 0.0       | 41.641 | 1.521      | 0.0        | 51.564 | 1.995      | 0.0       | 38.804 | 1.584      | 0.0        | 43.21  | 2.239      |
| 18    | 9873        | 9874      | SN   | 1    | 0.0       | 42.751 | 1.051      | 0.0        | 44.408 | 1.429      | 0.0       | 37.408 | 1.087      | 0.0        | 41.611 | 1.743      | 0.0       | 44.361 | 1.067      | 0.0        | 44.605 | 1.346      | 0.0       | 38.097 | 1.013      | 0.0        | 40.945 | 1.477      |
| 19    | 9873        | 9874      | SN   | 1    | 0.0       | 42.589 | 1.068      | 0.0        | 43.118 | 1.441      | 0.0       | 36.441 | 1.092      | 0.0        | 42.863 | 1.76       | 0.0       | 44.199 | 1.057      | 0.0        | 41.338 | 1.386      | 0.0       | 36.266 | 1.035      | 0.0        | 42.196 | 1.514      |
| 20    | 9873        | 9874      | SN   | 1    | 0.0       | 43.064 | 3.626      | 0.0        | 54.218 | 4.411      | 0.0       | 39.025 | 3.399      | 0.0        | 43.972 | 4.827      | 0.0       | 43.921 | 3.657      | 0.0        | 53.045 | 4.401      | 0.0       | 40.342 | 3.341      | 0.0        | 42.777 | 4.784      |
| 21    | 9874        | 9875      | SN   | 1    | 0.0       | 46.176 | 3.961      | 0.0        | 47.196 | 4.89       | 0.0       | 42.792 | 3.982      | 0.0        | 44.962 | 4.286      | 0.0       | 47.094 | 3.961      | 0.0        | 47.818 | 4.646      | 0.0       | 42.924 | 3.847      | 0.0        | 42.817 | 3.824      |
| 22    | 9874        | 9875      | SN   | 1    | 0.0       | 40.683 | 1.049      | 0.0        | 40.934 | 1.265      | 0.0       | 39.298 | 1.209      | 0.0        | 41.396 | 1.519      | 0.0       | 42.396 | 1.04       | 0.0        | 40.316 | 1.194      | 0.0       | 38.379 | 1.117      | 0.0        | 40.71  | 1.254      |
| 23    | 9874        | 9875      | SN   | 1    | 0.0       | 52.524 | 3.897      | 0.0        | 44.75  | 4.741      | 0.0       | 43.163 | 3.955      | 0.0        | 44.962 | 4.22       | 0.0       | 53.135 | 3.928      | 0.0        | 44.722 | 4.514      | 0.0       | 43.181 | 3.781      | 0.0        | 42.817 | 3.735      |
| 24    | 9874        | 9875      | NS   | 1    | 0.0       | 53.243 | 2.243      | 0.0        | 48.899 | 3.094      | 0.0       | 49.052 | 3.008      | 0.0        | 46.141 | 4.128      | 0.0       | 54.243 | 2.253      | 0.0        | 50.503 | 2.738      | 0.0       | 51.875 | 3.1        | 0.0        | 45.98  | 3.779      |
| 25    | 9874        | 9875      | NS   | 1    | 0.0       | 49.892 | 0.816      | 0.0        | 46.192 | 1.057      | 0.0       | 40.412 | 0.777      | 0.0        | 39.504 | 1.221      | 0.0       | 52.216 | 0.8        | 0.0        | 45.141 | 0.996      | 0.0       | 39.633 | 0.774      | 0.0        | 39.29  | 1.109      |
| 26    | 9874        | 9875      | SN   | 1    | 0.0       | 47.6   | 1.024      | 0.0        | 45.606 | 1.302      | 0.0       | 39.298 | 1.211      | 0.0        | 41.396 | 1.528      | 0.0       | 49.498 | 1.015      | 0.0        | 45.799 | 1.228      | 0.0       | 38.379 | 1.119      | 0.0        | 40.71  | 1.265      |
| 27    | 9875        | 9876      | NS   | 1    | 0.0       | 54.556 | 3.5        | 0.0        | 50.004 | 3.939      | 0.0       | 46.486 | 2.659      | 0.0        | 48.687 | 2.839      | 0.0       | 53.946 | 3.561      | 0.0        | 50.477 | 3.919      | 0.0       | 45.092 | 2.509      | 0.0        | 43.835 | 2.511      |
| 28    | 9875        | 9876      | NS   | 1    | 0.0       | 54.556 | 3.49       | 0.0        | 52.952 | 3.939      | 0.0       | 45.633 | 2.609      | 0.0        | 48.687 | 2.839      | 0.0       | 53.946 | 3.541      | 0.0        | 53.768 | 3.929      | 0.0       | 44.212 | 2.474      | 0.0        | 44.642 | 2.482      |
| 29    | 9875        | 9876      | SN   | 1    | 0.0       | 42.109 | 1.335      | 0.0        | 39.261 | 1.86       | 0.0       | 37.714 | 1.555      | 0.0        | 42.199 | 2.208      | 0.0       | 42.549 | 1.285      | 0.0        | 39.088 | 1.63       | 0.0       | 35.763 | 1.491      | 0.0        | 39.942 | 1.939      |
| 30    | 9875        | 9876      | SN   | 1    | 0.0       | 50.663 | 4.646      | 0.0        | 44.397 | 6.037      | 0.0       | 39.357 | 4.441      | 0.0        | 40.705 | 6.534      | 0.0       | 49.31  | 4.688      | 0.0        | 46.378 | 5.765      | 0.0       | 40.986 | 4.36       | 0.0        | 40.821 | 5.977      |
| 31    | 9875        | 9876      | SN   | 1    | 0.0       | 50.663 | 4.781      | 0.0        | 44.397 | 6.036      | 0.0       | 36.341 | 4.591      | 0.0        | 38.789 | 6.49       | 0.0       | 49.31  | 4.832      | 0.0        | 45.734 | 5.752      | 0.0       | 36.89  | 4.484      | 0.0        | 40.821 | 5.943      |

| Parameter Specifications | Parameters | SNR  | Sigma0 | Normal | Deviations |
|--------------------------|------------|------|--------|--------|------------|
|                          | Range      | 20.0 | 20.0   |        |            |





|     |      |      |    |   |     |        |       |     |        |        |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |     |        |       |
|-----|------|------|----|---|-----|--------|-------|-----|--------|--------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|
| 104 | 9891 | 9892 | NS | 1 | 0.0 | 46.368 | 1.292 | 0.0 | 52.03  | 1.617  | 0.0 | 44.954 | 1.27  | 0.0 | 40.239 | 1.567 | 0.0 | 47.118 | 1.328 | 0.0 | 51.787 | 1.529 | 0.0 | 44.697 | 1.257 | 0.0 | 38.932 | 1.432 |
| 105 | 9891 | 9892 | SN | 1 | 0.0 | 46.378 | 7.488 | 0.0 | 46.722 | 10.535 | 0.0 | 45.763 | 6.091 | 0.0 | 45.968 | 8.577 | 0.0 | 46.594 | 7.354 | 0.0 | 45.793 | 9.833 | 0.0 | 44.532 | 6.048 | 0.0 | 44.734 | 7.897 |
| 106 | 9892 | 9893 | SN | 1 | 0.0 | 56.108 | 1.636 | 0.0 | 49.529 | 2.17   | 0.0 | 41.088 | 1.377 | 0.0 | 41.75  | 1.778 | 0.0 | 55.103 | 1.604 | 0.0 | 51.991 | 1.996 | 0.0 | 42.317 | 1.272 | 0.0 | 38.586 | 1.558 |
| 107 | 9892 | 9893 | SN | 1 | 0.0 | 56.108 | 1.572 | 0.0 | 49.529 | 2.141  | 0.0 | 41.088 | 1.356 | 0.0 | 39.509 | 1.734 | 0.0 | 55.103 | 1.539 | 0.0 | 51.991 | 1.971 | 0.0 | 42.317 | 1.256 | 0.0 | 38.586 | 1.516 |
| 108 | 9892 | 9893 | SN | 1 | 0.0 | 56.795 | 6.243 | 0.0 | 48.605 | 7.403  | 0.0 | 51.215 | 4.741 | 0.0 | 47.573 | 6.164 | 0.0 | 56.031 | 6.286 | 0.0 | 50.04  | 6.946 | 0.0 | 49.582 | 4.652 | 0.0 | 45.605 | 5.709 |
| 109 | 9892 | 9893 | NS | 1 | 0.0 | 51.087 | 1.621 | 0.0 | 51.241 | 2.252  | 0.0 | 43.251 | 1.679 | 0.0 | 41.63  | 2.413 | 0.0 | 51.805 | 1.612 | 0.0 | 48.187 | 2.166 | 0.0 | 42.024 | 1.681 | 0.0 | 41.039 | 2.177 |
| 110 | 9892 | 9893 | SN | 1 | 0.0 | 56.795 | 6.545 | 0.0 | 48.605 | 7.735  | 0.0 | 51.215 | 4.885 | 0.0 | 46.356 | 6.342 | 0.0 | 56.031 | 6.545 | 0.0 | 50.04  | 7.278 | 0.0 | 49.582 | 4.792 | 0.0 | 45.605 | 5.901 |
| 111 | 9892 | 9893 | NS | 1 | 0.0 | 48.016 | 6.502 | 0.0 | 46.128 | 7.623  | 0.0 | 44.377 | 5.864 | 0.0 | 42.473 | 6.559 | 0.0 | 47.729 | 6.522 | 0.0 | 45.943 | 7.847 | 0.0 | 43.68  | 6.234 | 0.0 | 40.623 | 6.373 |
| 112 | 9893 | 9894 | SN | 1 | 0.0 | 42.499 | 0.543 | 0.0 | 44.733 | 0.804  | 0.0 | 39.305 | 0.53  | 0.0 | 41.316 | 0.702 | 0.0 | 42.874 | 0.531 | 0.0 | 43.011 | 0.714 | 0.0 | 38.74  | 0.472 | 0.0 | 42.285 | 0.513 |
| 113 | 9893 | 9894 | NS | 1 | 0.0 | 46.162 | 1.639 | 0.0 | 48.761 | 1.886  | 0.0 | 44.462 | 1.721 | 0.0 | 41.303 | 2.108 | 0.0 | 46.535 | 1.666 | 0.0 | 46.956 | 1.843 | 0.0 | 44.736 | 1.787 | 0.0 | 40.947 | 2.145 |
| 114 | 9893 | 9894 | SN | 1 | 0.0 | 50.836 | 1.961 | 0.0 | 48.2   | 3.064  | 0.0 | 46.524 | 2.132 | 0.0 | 43.887 | 2.522 | 0.0 | 50.04  | 1.905 | 0.0 | 46.336 | 2.607 | 0.0 | 44.704 | 1.898 | 0.0 | 44.123 | 2.023 |
| 115 | 9893 | 9894 | NS | 1 | 0.0 | 46.433 | 6.137 | 0.0 | 48.403 | 5.852  | 0.0 | 44.045 | 5.317 | 0.0 | 48.761 | 6.445 | 0.0 | 45.388 | 6.188 | 0.0 | 49.367 | 5.689 | 0.0 | 42.104 | 5.459 | 0.0 | 50.281 | 6.673 |

|                          |            |      |        |
|--------------------------|------------|------|--------|
| Parameter Specifications | Parameters | SNR  | Sigma0 |
|                          | Range      | 20.0 | 20.0   |

- Normal
- Deviations
- Alarming
- High Errors

| Sr No | Start Orbit | End Orbit | Dir. | Ver. | Azimuth Angle |         |            |            |         |            |           |         |            |            |         |            | Incidence Angle |       |            |            |     |            |           |     |            |            |     |            |
|-------|-------------|-----------|------|------|---------------|---------|------------|------------|---------|------------|-----------|---------|------------|------------|---------|------------|-----------------|-------|------------|------------|-----|------------|-----------|-----|------------|------------|-----|------------|
|       |             |           |      |      | Inner Aft     |         |            | Inner Fore |         |            | Outer Aft |         |            | Outer Fore |         |            | Inner Aft       |       |            | Inner Fore |     |            | Outer Aft |     |            | Outer Fore |     |            |
|       |             |           |      |      | 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     | 9871        | 9872      | SN   | 1    | 0.0           | 21.663  | 6.589      | 0.0        | 24.685  | 7.8        | 0.0       | 144.079 | 3.212      | 0.0        | 249.446 | 3.871      | 0.0             | 1.425 | 0.0        | 1.796      | 0.0 | 0.0        | 1.864     | 0.0 | 0.0        | 2.153      | 0.0 |            |
| 2     | 9871        | 9872      | SN   | 1    | 0.0           | 30.895  | 14.276     | 0.0        | 24.922  | 12.921     | 0.0       | 142.111 | 11.962     | 0.0        | 269.284 | 13.586     | 0.0             | 1.445 | 0.0        | 1.794      | 0.0 | 0.0        | 1.861     | 0.0 | 0.0        | 2.153      | 0.0 |            |
| 3     | 9871        | 9872      | SN   | 1    | 0.0           | 30.895  | 14.411     | 0.0        | 24.922  | 12.543     | 0.0       | 142.111 | 12.451     | 0.0        | 269.284 | 13.023     | 0.0             | 1.445 | 0.0        | 1.794      | 0.0 | 0.0        | 1.861     | 0.0 | 0.0        | 2.153      | 0.0 |            |
| 4     | 9871        | 9872      | SN   | 1    | 0.0           | 21.663  | 6.414      | 0.0        | 24.685  | 7.726      | 0.0       | 144.079 | 3.049      | 0.0        | 249.446 | 3.903      | 0.0             | 1.425 | 0.0        | 1.796      | 0.0 | 0.0        | 1.864     | 0.0 | 0.0        | 2.153      | 0.0 |            |
| 5     | 9871        | 9872      | SN   | 1    | 0.0           | 21.663  | 6.414      | 0.0        | 24.685  | 7.726      | 0.0       | 144.079 | 3.049      | 0.0        | 249.446 | 3.903      | 0.0             | 1.425 | 0.0        | 1.796      | 0.0 | 0.0        | 1.864     | 0.0 | 0.0        | 2.153      | 0.0 |            |
| 6     | 9871        | 9872      | SN   | 1    | 0.0           | 30.895  | 14.276     | 0.0        | 24.922  | 12.921     | 0.0       | 142.111 | 11.962     | 0.0        | 269.284 | 13.586     | 0.0             | 1.445 | 0.0        | 1.794      | 0.0 | 0.0        | 1.861     | 0.0 | 0.0        | 2.153      | 0.0 |            |
| 7     | 9872        | 9873      | SN   | 1    | 0.0           | 77.993  | 14.608     | 0.0        | 219.693 | 12.771     | 0.0       | 140.136 | 12.213     | 0.0        | 77.781  | 13.444     | 0.0             | 1.434 | 0.0        | 1.798      | 0.0 | 0.0        | 1.871     | 0.0 | 0.0        | 2.148      | 0.0 |            |
| 8     | 9872        | 9873      | SN   | 1    | 0.0           | 77.993  | 14.548     | 0.0        | 219.693 | 12.931     | 0.0       | 140.136 | 12.113     | 0.0        | 77.781  | 13.643     | 0.0             | 1.434 | 0.0        | 1.798      | 0.0 | 0.0        | 1.871     | 0.0 | 0.0        | 2.148      | 0.0 |            |
| 9     | 9872        | 9873      | SN   | 1    | 0.0           | 66.197  | 6.568      | 0.0        | 122.524 | 7.809      | 0.0       | 150.824 | 3.181      | 0.0        | 75.47   | 3.923      | 0.0             | 1.424 | 0.0        | 1.796      | 0.0 | 0.0        | 1.872     | 0.0 | 0.0        | 2.154      | 0.0 |            |
| 10    | 9872        | 9873      | NS   | 1    | 0.0           | 59.504  | 10.754     | 0.0        | 32.213  | 14.857     | 0.0       | 195.802 | 9.304      | 0.0        | 34.915  | 11.906     | 0.0             | 1.39  | 0.0        | 1.755      | 0.0 | 0.0        | 1.798     | 0.0 | 0.0        | 2.106      | 0.0 |            |
| 11    | 9872        | 9873      | NS   | 1    | 0.0           | 140.423 | 5.395      | 0.0        | 24.74   | 6.686      | 0.0       | 196.692 | 1.782      | 0.0        | 47.49   | 2.591      | 0.0             | 1.392 | 0.0        | 1.753      | 0.0 | 0.0        | 1.815     | 0.0 | 0.0        | 2.107      | 0.0 |            |
| 12    | 9872        | 9873      | SN   | 1    | 0.0           | 69.699  | 6.514      | 0.0        | 122.524 | 7.776      | 0.0       | 150.824 | 3.152      | 0.0        | 75.47   | 3.985      | 0.0             | 1.424 | 0.0        | 1.796      | 0.0 | 0.0        | 1.872     | 0.0 | 0.0        | 2.154      | 0.0 |            |
| 13    | 9873        | 9874      | SN   | 1    | 0.0           | 31.226  | 14.394     | 0.0        | 24.922  | 12.873     | 0.0       | 168.66  | 11.922     | 0.0        | 188.346 | 13.656     | 0.0             | 1.434 | 0.0        | 1.8        | 0.0 | 0.0        | 1.856     | 0.0 | 0.0        | 2.155      | 0.0 |            |
| 14    | 9873        | 9874      | SN   | 1    | 0.0           | 31.226  | 14.422     | 0.0        | 24.922  | 12.751     | 0.0       | 168.66  | 12.047     | 0.0        | 188.346 | 13.48      | 0.0             | 1.434 | 0.0        | 1.8        | 0.0 | 0.0        | 1.856     | 0.0 | 0.0        | 2.155      | 0.0 |            |
| 15    | 9873        | 9874      | NS   | 1    | 0.0           | 81.112  | 5.41       | 0.0        | 24.74   | 6.688      | 0.0       | 204.267 | 1.785      | 0.0        | 44.142  | 2.61       | 0.0             | 1.396 | 0.0        | 1.753      | 0.0 | 0.0        | 1.812     | 0.0 | 0.0        | 2.106      | 0.0 |            |
| 16    | 9873        | 9874      | SN   | 1    | 0.0           | 21.641  | 6.466      | 0.0        | 24.696  | 7.806      | 0.0       | 157.255 | 3.133      | 0.0        | 248.371 | 3.894      | 0.0             | 1.431 | 0.0        | 1.797      | 0.0 | 0.0        | 1.864     | 0.0 | 0.0        | 2.154      | 0.0 |            |
| 17    | 9873        | 9874      | NS   | 1    | 0.0           | 183.109 | 10.687     | 0.0        | 32.23   | 14.909     | 0.0       | 242.497 | 9.272      | 0.0        | 41.076  | 11.907     | 0.0             | 1.389 | 0.0        | 1.753      | 0.0 | 0.0        | 1.807     | 0.0 | 0.0        | 2.102      | 0.0 |            |
| 18    | 9873        | 9874      | SN   | 1    | 0.0           | 21.641  | 6.411      | 0.0        | 24.696  | 7.777      | 0.0       | 157.255 | 3.089      | 0.0        | 248.371 | 3.944      | 0.0             | 1.431 | 0.0        | 1.797      | 0.0 | 0.0        | 1.864     | 0.0 | 0.0        | 2.154      | 0.0 |            |
| 19    | 9873        | 9874      | SN   | 1    | 0.0           | 21.641  | 6.466      | 0.0        | 24.696  | 7.806      | 0.0       | 157.255 | 3.133      | 0.0        | 248.371 | 3.894      | 0.0             | 1.431 | 0.0        | 1.797      | 0.0 | 0.0        | 1.864     | 0.0 | 0.0        | 2.154      | 0.0 |            |
| 20    | 9873        | 9874      | SN   | 1    | 0.0           | 31.226  | 14.422     | 0.0        | 24.922  | 12.751     | 0.0       | 168.66  | 12.047     | 0.0        | 188.346 | 13.48      | 0.0             | 1.434 | 0.0        | 1.8        | 0.0 | 0.0        | 1.856     | 0.0 | 0.0        | 2.155      | 0.0 |            |
| 21    | 9874        | 9875      | SN   | 1    | 0.0           | 31.331  | 14.438     | 0.0        | 60.458  | 12.844     | 0.0       | 180.721 | 11.867     | 0.0        | 60.417  | 13.648     | 0.0             | 1.435 | 0.0        | 1.8        | 0.0 | 0.0        | 1.856     | 0.0 | 0.0        | 2.155      | 0.0 |            |
| 22    | 9874        | 9875      | SN   | 1    | 0.0           | 21.646  | 6.491      | 0.0        | 241.428 | 7.891      | 0.0       | 171.594 | 3.143      | 0.0        | 14.19   | 3.895      | 0.0             | 1.427 | 0.0        | 1.797      | 0.0 | 0.0        | 1.861     | 0.0 | 0.0        | 2.154      | 0.0 |            |
| 23    | 9874        | 9875      | SN   | 1    | 0.0           | 31.331  | 14.481     | 0.0        | 142.577 | 12.652     | 0.0       | 180.721 | 12.059     | 0.0        | 16.964  | 13.398     | 0.0             | 1.435 | 0.0        | 1.8        | 0.0 | 0.0        | 1.856     | 0.0 | 0.0        | 2.155      | 0.0 |            |
| 24    | 9874        | 9875      | NS   | 1    | 0.0           | 268.015 | 10.79      | 0.0        | 32.208  | 14.909     | 0.0       | 354.259 | 9.301      | 0.0        | 41.798  | 11.872     | 0.0             | 1.39  | 0.0        | 1.753      | 0.0 | 0.0        | 1.807     | 0.0 | 0.0        | 2.107      | 0.0 |            |
| 25    | 9874        | 9875      | NS   | 1    | 0.0           | 203.481 | 5.421      | 0.0        | 24.729  | 6.681      | 0.0       | 163.523 | 1.792      | 0.0        | 42.388  | 2.599      | 0.0             | 1.395 | 0.0        | 1.753      | 0.0 | 0.0        | 1.812     | 0.0 | 0.0        | 2.107      | 0.0 |            |
| 26    | 9874        | 9875      | SN   | 1    | 0.0           | 21.646  | 6.411      | 0.0        | 208.233 | 7.852      | 0.0       | 171.594 | 3.08       | 0.0        | 59.468  | 3.964      | 0.0             | 1.427 | 0.0        | 1.797      | 0.0 | 0.0        | 1.861     | 0.0 | 0.0        | 2.154      | 0.0 |            |
| 27    | 9875        | 9876      | NS   | 1    | 0.0           | 270.839 | 10.846     | 0.0        | 31.937  | 14.809     | 0.0       | 133.118 | 9.234      | 0.0        | 36.895  | 11.897     | 0.0             | 1.391 | 0.0        | 1.754      | 0.0 | 0.0        | 1.804     | 0.0 | 0.0        | 2.108      | 0.0 |            |
| 28    | 9875        | 9876      | NS   | 1    | 0.0           | 270.839 | 10.846     | 0.0        | 31.937  | 14.809     | 0.0       | 133.129 | 9.22       | 0.0        | 36.89   | 11.89      | 0.0             | 1.39  | 0.0        | 1.754      | 0.0 | 0.0        | 1.804     | 0.0 | 0.0        | 2.108      | 0.0 |            |
| 29    | 9875        | 9876      | SN   | 1    | 0.0           | 21.679  | 6.416      | 0.0        | 24.696  | 7.873      | 0.0       | 139.982 | 3.079      | 0.0        | 122.943 | 3.967      | 0.0             | 1.42  | 0.0        | 1.796      | 0.0 | 0.0        | 1.864     | 0.0 | 0.0        | 2.154      | 0.0 |            |
| 30    | 9875        | 9876      | SN   | 1    | 0.0           | 31.265  | 14.492     | 0.0        | 24.911  | 12.629     | 0.0       | 173.96  | 12.115     | 0.0        | 86.533  | 13.215     | 0.0             | 1.434 | 0.0        | 1.8        | 0.0 | 0.0        | 1.857     | 0.0 | 0.0        | 2.155      | 0.0 |            |
| 31    | 9875        | 9876      | SN   | 1    | 0.0           | 31.265  | 14.394     | 0.0        | 24.911  | 12.864     | 0.0       | 173.96  | 11.836     | 0.0        | 86.533  | 13.655     | 0.0             | 1.434 | 0.0        | 1.8        | 0.0 | 0.0        | 1.857     | 0.0 | 0.0        | 2.155      | 0.0 |            |

|                          |            |           |            |          |             |
|--------------------------|------------|-----------|------------|----------|-------------|
| Parameter Specifications | Parameters | Azi.Angle | Inci.Angle | Normal   | Deviations  |
|                          | Range      | 10.0      | 3.0        | Alarming | High Errors |







|     |      |      |    |   |     |         |        |     |        |        |     |         |        |     |         |        |     |       |     |     |       |     |     |       |     |     |       |     |
|-----|------|------|----|---|-----|---------|--------|-----|--------|--------|-----|---------|--------|-----|---------|--------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|
| 106 | 9892 | 9893 | SN | 1 | 0.0 | 21.679  | 6.392  | 0.0 | 24.658 | 7.742  | 0.0 | 148.833 | 2.771  | 0.0 | 256.825 | 3.602  | 0.0 | 1.431 | 0.0 | 0.0 | 1.794 | 0.0 | 0.0 | 1.862 | 0.0 | 0.0 | 2.151 | 0.0 |
| 107 | 9892 | 9893 | SN | 1 | 0.0 | 21.679  | 6.552  | 0.0 | 24.658 | 7.828  | 0.0 | 148.833 | 2.91   | 0.0 | 256.825 | 3.555  | 0.0 | 1.431 | 0.0 | 0.0 | 1.794 | 0.0 | 0.0 | 1.862 | 0.0 | 0.0 | 2.151 | 0.0 |
| 108 | 9892 | 9893 | SN | 1 | 0.0 | 30.856  | 14.422 | 0.0 | 78.354 | 12.562 | 0.0 | 139.006 | 12.083 | 0.0 | 137.119 | 13.408 | 0.0 | 1.435 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.152 | 0.0 |
| 109 | 9892 | 9893 | NS | 1 | 0.0 | 66.792  | 5.43   | 0.0 | 24.79  | 6.845  | 0.0 | 134.784 | 1.854  | 0.0 | 57.384  | 2.52   | 0.0 | 1.397 | 0.0 | 0.0 | 1.756 | 0.0 | 0.0 | 1.817 | 0.0 | 0.0 | 2.11  | 0.0 |
| 110 | 9892 | 9893 | SN | 1 | 0.0 | 30.856  | 14.286 | 0.0 | 78.354 | 12.923 | 0.0 | 139.006 | 11.644 | 0.0 | 69.026  | 13.864 | 0.0 | 1.435 | 0.0 | 0.0 | 1.792 | 0.0 | 0.0 | 1.856 | 0.0 | 0.0 | 2.152 | 0.0 |
| 111 | 9892 | 9893 | NS | 1 | 0.0 | 157.415 | 10.741 | 0.0 | 32.147 | 14.797 | 0.0 | 204.609 | 9.368  | 0.0 | 37.794  | 12.198 | 0.0 | 1.392 | 0.0 | 0.0 | 1.758 | 0.0 | 0.0 | 1.803 | 0.0 | 0.0 | 2.11  | 0.0 |
| 112 | 9893 | 9894 | SN | 1 | 0.0 | 21.707  | 6.692  | 0.0 | 160.87 | 7.893  | 0.0 | 142.629 | 2.975  | 0.0 | 12.927  | 3.635  | 0.0 | 1.421 | 0.0 | 0.0 | 1.793 | 0.0 | 0.0 | 1.857 | 0.0 | 0.0 | 2.151 | 0.0 |
| 113 | 9893 | 9894 | NS | 1 | 0.0 | 47.338  | 5.427  | 0.0 | 24.784 | 6.838  | 0.0 | 127.333 | 1.863  | 0.0 | 59.104  | 2.58   | 0.0 | 1.401 | 0.0 | 0.0 | 1.756 | 0.0 | 0.0 | 1.816 | 0.0 | 0.0 | 2.111 | 0.0 |
| 114 | 9893 | 9894 | SN | 1 | 0.0 | 30.906  | 14.361 | 0.0 | 153.27 | 12.444 | 0.0 | 138.829 | 12.606 | 0.0 | 14.289  | 13.143 | 0.0 | 1.436 | 0.0 | 0.0 | 1.791 | 0.0 | 0.0 | 1.854 | 0.0 | 0.0 | 2.152 | 0.0 |
| 115 | 9893 | 9894 | NS | 1 | 0.0 | 42.297  | 10.712 | 0.0 | 32.152 | 14.767 | 0.0 | 115.498 | 9.404  | 0.0 | 35.77   | 12.262 | 0.0 | 1.392 | 0.0 | 0.0 | 1.758 | 0.0 | 0.0 | 1.798 | 0.0 | 0.0 | 2.111 | 0.0 |

|                          |            |           |            |          |             |
|--------------------------|------------|-----------|------------|----------|-------------|
| Parameter Specifications | Parameters | Azi.Angle | Inci.Angle | Normal   | Deviations  |
|                          | Range      | 10.0      | 3.0        | Alarming | High Errors |