



Sentinel-3 Optical User TDS description

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1 INTRODUCTION

Scientifically meaningful Test Data Set (TDS) for the Sentinel-3 Optical Missions have been generated with a twofold scope:

1. to provide users with scientific data, in order to support the preparation of tools and applications for the operational data provision and Cal/Val activities;
2. to allow users to practice and have a better understanding of the Sentinel-3 data format and structure.

Actually such TDS are based on existing missions (MERIS, AATSR and MODIS) which have spectral and geometric characteristics slightly different with respect to the Sentinel-3 mission; for this reason they contain some limitations in terms of quality, and have to be used carefully. Nevertheless they represent a good means for practicing and having a better understanding of the Sentinel-3 data and science.

In addition, it has also to be noted that the products specification might evolve shortly after launch, following the results from the commissioning phase, that may imply changes in the products as well.

1.1 Scope of the document

This Technical Note is aimed at describing the Sentinel-3 Optical TDSs provided to the Users' community and their limitations. No detail on the tools used for the generation of the TDS will be provided, but only a high level description.

1.2 Reference documents

	TITLE	REF.
[RD-1]	Product Data Format Specification - SRAL/MWR Level 1 & 2 Instrument Product	S3IPF.PDS.003
[RD-2]	Product Data Format Specification - OLCI Level 1 & 2 Instrument Product	S3IPF.PDS.004
[RD-3]	Product Data Format Specification - SLSTR Level 1 & 2 Instrument Product	S3IPF.PDS.005
[RD-4]	Product Data Format Specification - SYNERGY Level 1 & 2 Instrument Product	S3IPF.PDS.006
[RD-5]	GMES Space Component - Sentinel-3 Payload Data Ground Segment Products Definition Document	GMES-S3GS-EOPG-TN-12-0004 EUM/LEO-SEN3/TEN/13/720910

1.3 Acronyms

Acronym	Description
AATSR	Advanced Along-Track Scanning Radiometer
FR	Full Resolution
IPF	Instrument Processing Facility
MERIS	MEdium Resolution Imaging Spectrometer
MODIS	Moderate Resolution Imaging Spectroradiometer
NDVI	Normalized
NRT	Near Real Time
NTC	Non Time Critical
OLCI	Ocean Land Colour Instrument
PDU	Product Dissemination Unit
RR	Reduced Resolution
SLSTR	Sea and Land Surface Temperature Radiometer
SSP	Sub Satellite Point
SST	Sea Surface Temperature
TDS	Test Data Set

2 USER TDS DESCRIPTION

The TDS made available to the Users' Community includes scientifically meaningful products generated from data of existing mission as follows:

- the OLCI and SLSTR Level-1 products have been generated converting MERIS, AATSR and MODIS data via a converter tool, to meet the Sentinel-3 optical payload characteristics and to be compliant with the Sentinel-3 products format;
- the OLCI and SLSTR Level-2 products have been generated by the Level2 OLCI and SLSTR IPF, taking as input the OLCI and SLSTR Level-1 products and the appropriate ADFs;
- the SYNERGY Level-2 products have been generated by the synergy IPF taking as input the OLCI and SLSTR Level-1 products and the appropriate ADFs.

The IPF version used for generating the TDSs is the currently available IPF v05.02. The products are provided in PDUs, described in [RD-5].

A netCDF compression has been applied on all the data, both L1 and L2, with a level of compression of 6.

Please note that changes are still possible before launch.

The following table describes the production chain.

Table 1: S3 Optical TDS production chain

Instrument/ Processing level	Input product type	Description of the Inputs	Output product type	Description of the Outputs
SLSTR L2	SL_1_RBT____	AATSR or MODIS top of atmosphere radiances and brightness temperatures	SL_2_WST____	SLSTR L2 sea surface temperature (SST) L2P (GHRSST like)
			SL_2_LST____	SLSTR L2 land surface temperature (LST)
OLCI L2	OL_1_EFR____ or OL_1_ERR____	MERIS L1B top of atmosphere radiances in FR or RR resolution	OL_2_LFR____ or OL_2_LRR____	OLCI L2 land products in FR or RR resolution
			OL_2_WFR____ or OL_2_WRR____	OLCI L2 ocean products in FR or RR resolution
SYNERGY L2	SL_1_RBT____ and OL_1_EFR____	AATSR and MERIS full resolution L1b TOA radiances	SY_2_SYN____	SYN L2 aerosol properties and surface reflectance and error estimates for OLCI and the SLSTR reflective channels for both nadir and oblique views
			SY_2_VGP____	SYN VGT P top of atmosphere reflectance for synthesized SPOT VGT channels

2.1 Information on conversion

2.1.1 MERIS

2.1.1.1 Spectral bands

ENVISAT/MERIS data were acquired with 15 spectral bands whereas OLCI has 21 bands.

The band correspondence is computed as the closest MERIS band or as a linear interpolation between two MERIS bands where applicable as follows:

Table 2: OLCI spectral bands against MERIS spectral bands

OLCI BAND #	OLCI wavelength in nm	MERIS wavelength in nm
1	400	412.5
2	412.5	412.5
3	442.5	442.5
4	490	490
5	510	510
6	560	560
7	620	620
8	665	665
9	673.75	[665 – 681.25]
10	681.25	681.25
11	708.75	708.75
12	753.75	753.75
13	761.25	761.875
14	764.375	[761.875 – 778.75]
15	767.5	[761.875 – 778.75]
16	778.75	778.75
17	865	865
18	885	885
19	900	900
20	940	900
21	1020	900

2.1.1.2 Swath

MERIS swath is a bit smaller than OLCI one. The MERIS product is included in OLCI swath on the right (East) of the image.

2.1.1.3 Known limitations

Some OLCI spectral bands are missing (see correspondence table in section 2.1.1.1).

Both image grid and tie points grid don't cover the full OLCI swath but they are limited to the MERIS swath. Ortho-geolocation is not available outside the actual MERIS swath. As the OLCI product specification does not include a FillValue for geo-coordinates, zero is used instead.

The viewing geometry is not fully representative of the OLCI one as MERIS swath is symmetric with respect to the satellite track while OLCI is tilted toward the West to minimize the impact of Sun Glint.

The OLCI ocean colour algorithm based on Neural Network (NN) is not optimized for this MERIS band configuration (table 2), therefore the TDS output algorithm is not fully representative of what will be the real OLCI NN products. However, the product structure is correct.

2.1.2 AATSR

The AATSR reflectances have been converted into SLSTR radiance by applying the following formula:

$$SLSTR_radiance[b] = 0.01 * AATSR_reflectance[b] * Solar_irradiance[b] / \pi$$

where b is the spectral band.

The solar irradiance used for each spectral band is:

- 1819.54 at 555 nm
- 1521.89 at 659 nm
- 950.683 at 865 nm
- 254.484 at 1610 nm

2.1.2.1 Spectral bands

ENVISAT/AATSR data were acquired with 4 spectral bands in the visible and 3 in the thermic whereas SLSTR has 6 visible and 5 thermic including the Fire.

The band correspondence is computed as shown in Table 3.

Table 3: SLSTR spectral bands against AATSR spectral bands

SLSTR BAND #	SLSTR wavelength in nm	AATSR wavelength in nm	Domain
S1	555	555	Solar

S2	659	659	
S3	865	865	
S4	1375	865	
S5	1610	1610	
S6	22500	1610	
S7	3740	3700	Thermic
S8	10850	10850	
S9	12000	12000	
F1	3740	3700	
F2	10850	10850	

2.1.2.2 Views

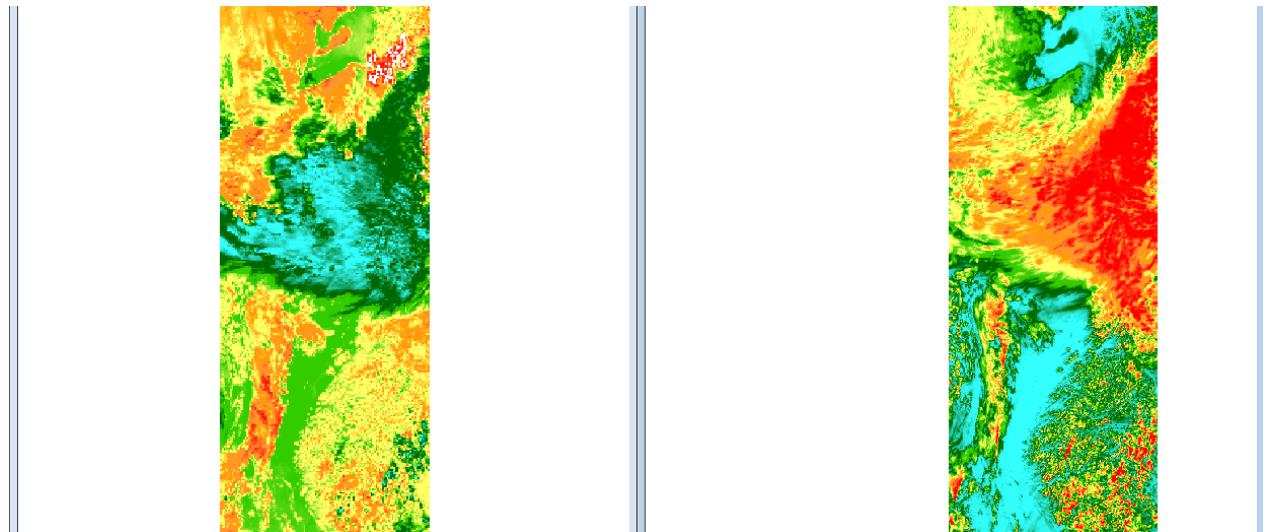
Both SLSTR and AATSR have a nadir view and an inclined view. Concerning the latter, the AATSR forward view is associated to the SLSTR oblique one.

2.1.2.3 Swath

The swath width of AATSR is 512 km for both nadir and forward views (centered on SSP) whereas for SLSTR the nadir view is 1500 km and the oblique view is 900 km wide.

In order to keep as much as possible the SLSTR assumptions, the products sizes are based on SLSTR dimensions. The AATSR data are centered on SLSTR SSP and no data is used beyond AATSR limits.

Figure 1: AATSR image location wrt SLSTR swath: left oblique/forward, right nadir (side white color represents no data)



2.1.2.4 Known limitations

Some SLSTR spectral bands are missing (see correspondence table in section 2.1.2.1). The original 1 km resolution of AATSR in the visible bands is interpolated at the SLSTR resolution of 500 m in the visible bands.

The orphan pixels due to the gridding processed are not available in the input AATSR data.

Meteo parameters, not available in AATSR source products, are interpolated directly from ECMWF files for a restricted set of parameters listed in section **Error! Reference source not found.**

Both image grid and tie points grid don't cover the full SLSTR swath but they are limited to the AATSR swath. The geodetic coordinates for both grids are only defined in this area and is no data elsewhere.

2.1.3 MODIS

MODIS data has been used to simulate SLSTR acquisition.

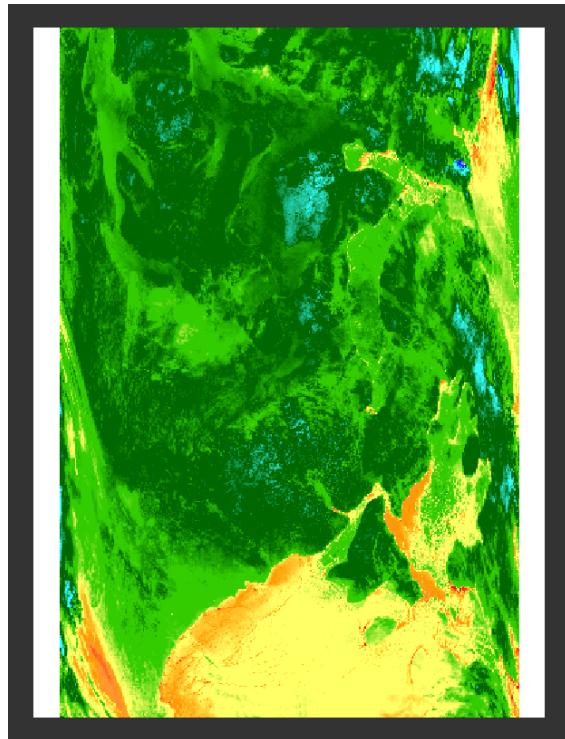
2.1.3.1 Swath

MODIS swath is bigger than SLSTR one. The MODIS image is centered in SLSTR swath. Two bands of 73 km are not filled on each side of the image. The width of the covered zone is therefore 1354 km.

The geometry of the SLSTR simulated product is stretched in the sense that it is consistent with the MODIS L1 data.

MODIS image location wrt SLSTR swath is shown in Figure 2.

Figure 2: MODIS image location wrt SLSTR swath: the two white sides represent zones not covered by MODIS data



2.1.3.2 Known limitations

Only nadir view is available, therefore these products are intended for LST computations only. No SST computation has been done using this data.

Level 1 data is limited to S8 and S9 brightness temperatures (11 and 12 μm), so no NDVI can be computed since this parameter is based on S2 and S3 radiances availability.

The flags are not initialized because they were not present in MODIS data.

2.2 OLCI TDS description

The OLCI L1 and L2 Full Resolution products (i.e. OL_1_EFR, OL_2_WFR, OL_2_LFR) will be generated by both the NRT and Offline processing chains in PDU frames based on a framing reference system with a time step of 3 minutes from ANX (see [RD-5]).

The OLCI L1 and L2 Reduced Resolution products (i.e. OL_1_ERR, OL_2_WRR, OL_2_LRR) will be generated by both the NRT and Offline processing chains in PDU stripes. Each stripe consists of all the data sensed by OLCI during one orbit and fully dumped during one pass over Svalbard. The product duration, corresponding to the whole OLCI sensing duty cycle (44% of the orbit), is of 2666 seconds.

The provided OLCI Level 1 and Level 2 TDSs has been generated according to NTC timeliness, i.e. PDU frames for Full Resolution mode and PDU stripes for Reduced Resolution mode.

Table 4: OLCI Level-1 and Level-2 products units

INSTRUMENT	LEVEL	PRODUCT TYPE	PDU LENGTH CUT FOR THE	
			NRT PRODUCTION CHAIN	OFFLINE PRODUCTION CHAIN
OLCI	1	OL_1_EFR__	Frame [3 min]	Frame [3 min]
OLCI	1	OL_1_ERR__	Full orbit: daylight [2666 sec]	Full orbit: daylight [2666 sec]
OLCI	2	OL_2_WFR__	Frame [3 min]	Frame [3 min]
OLCI	2	OL_2_LFR__	Frame [3 min]	Frame [3 min]
OLCI	2	OL_2_WRR__	Full orbit: daylight [2666 sec]	Full orbit: daylight [2666 sec]
OLCI	2	OL_2_LRR__	Full orbit: daylight [2666 sec]	Full orbit: daylight [2666 sec]

2.2.1 MERIS RR based

Six MERIS L1 RR products have been retrieved from the dedicated MERCI Web service and converted into OLCI L1 RR like products. The footprint of the selected MERIS acquisitions are shown in Figure 4.

The OLCI RR L2 products have been generated from the OLCI RR L1 by the OLCI L2 IFP.

The procedure used to generate OLCI L1 and L2 RR products is detailed in Figure 4.

TDS products name and corresponding MERIS data sources is reported in Appendix B.

Figure 3: OLCI RR selected orbits based on MERIS L1b from MERCI

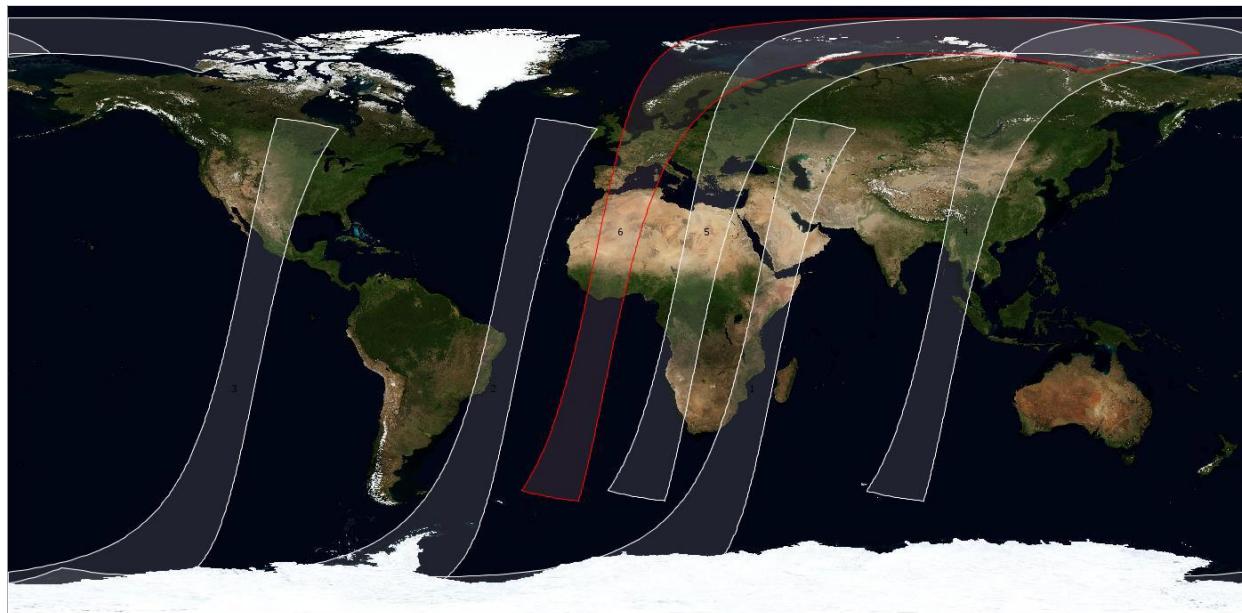
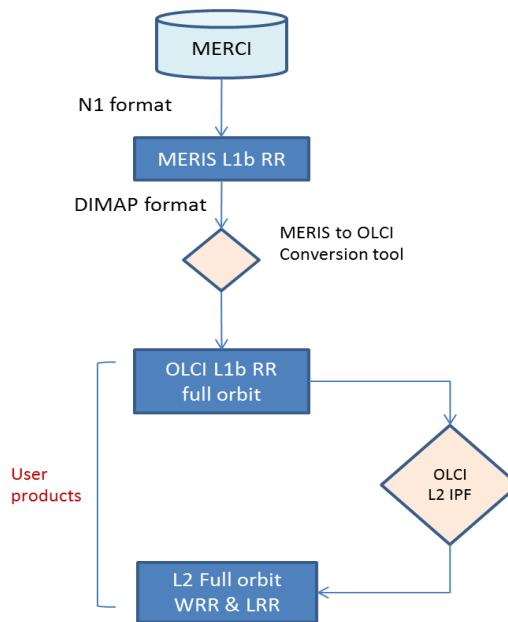


Figure 4: MERIS RR to OLCI conversion and computation procedure



2.2.2 MERIS FR based

One MERIS L1 full orbit in full resolution mode was computed starting from Level 0.

The computed MERIS L1 FR product has been converted into OLCI L1 FR like product and PDUs have been generated.

The OLCI FR L2 PDUs have been generated from the OLCI RR L1 by the OLCI L2 IFP. The procedure used to generate OLCI L1 and L2 FR products is detailed in Figure 6. TDS products name and corresponding MERIS data sources is reported in Appendix B.

Figure 5: OLCI FR selected orbits based on MERIS Lo FR

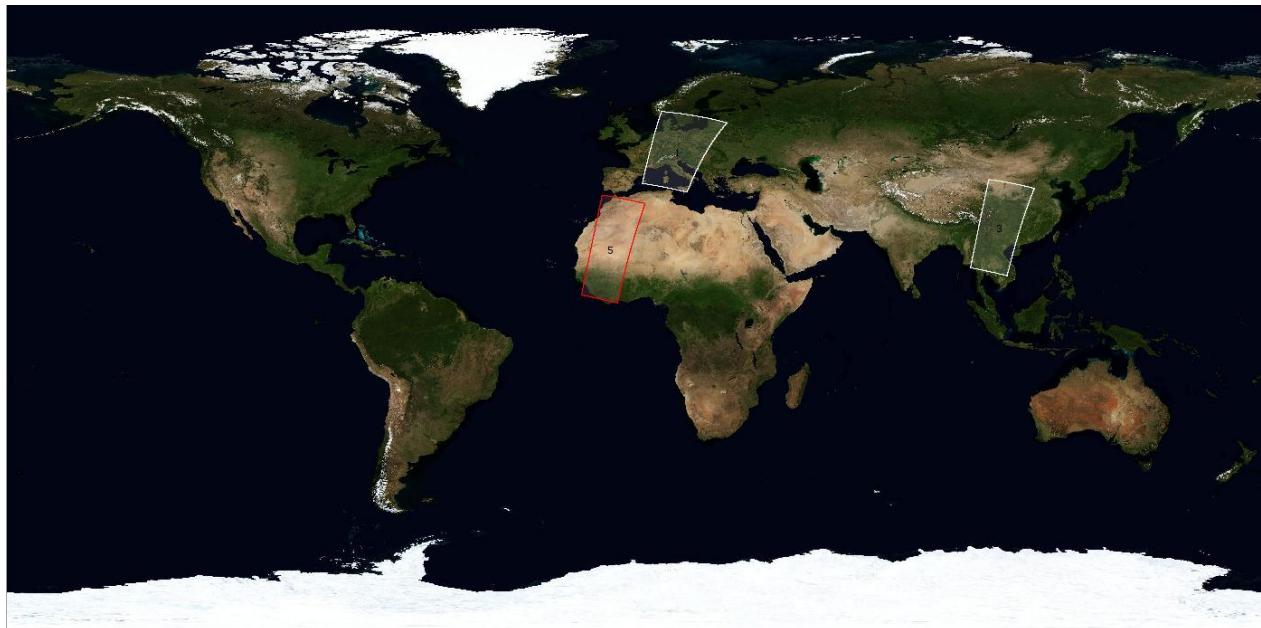
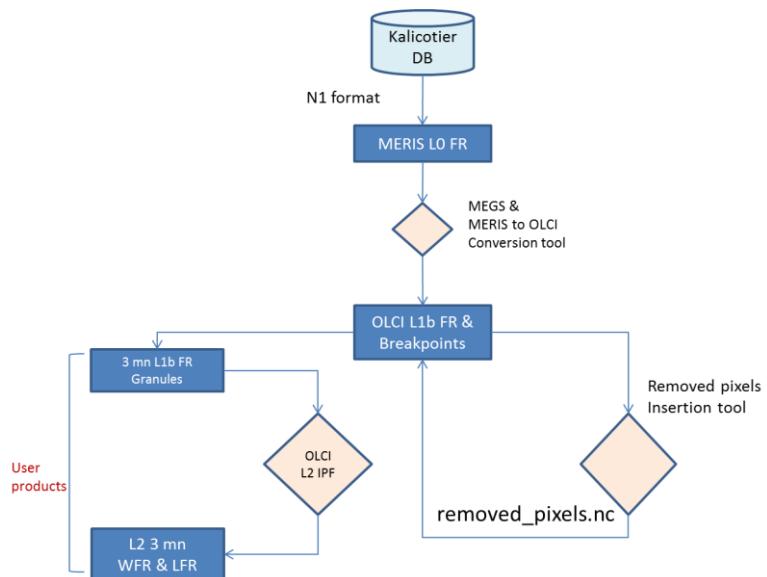


Figure 6: MERIS FR to OLCI conversion and computation procedure



2.3 SLSTR TDS description

The SLSTR L1B products will be generated by both the NRT and Offline processing chains in PDU frames based on a framing reference system with a time step of 3 minutes from ANX, the same used for the OLCI L1 and L2 Full Resolution products (see [RD-5]).

The SLSTR L2 products will be generated by the NRT processing chain in 3 minutes PDU frames as well.

The Offline production chain will generate Level-2 marine products (SL_2_WST) in PDU stripes. They are full orbit products starting from the ¹South Pole and ending to the South Pole with duration of 101 minutes.

The Offline production chain will generate Level-2 land products (SL_2_LST) in PDU stripes. They are full orbit products starting from the ²North Pole and ending to the North Pole with duration of 101 minutes.

The provided SLSTR Level 1 and Level 2 TDS has been generated according to NTC timeliness, i.e. PDU frames for Level 1 products and PDU stripes for Level 2 products.

To be noted that the SL_2_WST____ product included in the currently provided TDS is GDS2r4 compliant. The operational data will be compliant to the latest published GHRSST specification at the time of Sentinel-3 launch.

Table 5: SLSTR Level-1 and Level-2 products units

INSTRUMENT	LEVEL	PRODUCT TYPE	PDU LENGTH CUT FOR THE	
			NRT PRODUCTION CHAIN	OFFLINE PRODUCTION CHAIN
SLSTR	1	SL_1_RBT____	Frame [3 min]	Frame [3 min]
SLSTR	2	SL_2_WST____	Frame [3 min]	Full orbit: South Pole to South Pole
SLSTR	2	SL_2_LST____	Frame [3 min]	Full orbit: North Pole to North Pole

¹ By convention, “South Pole” is intended as the point on the orbit where the relative Start Sensing time of the product corresponds to ANX+270°, that is to say ANX+4545 seconds.

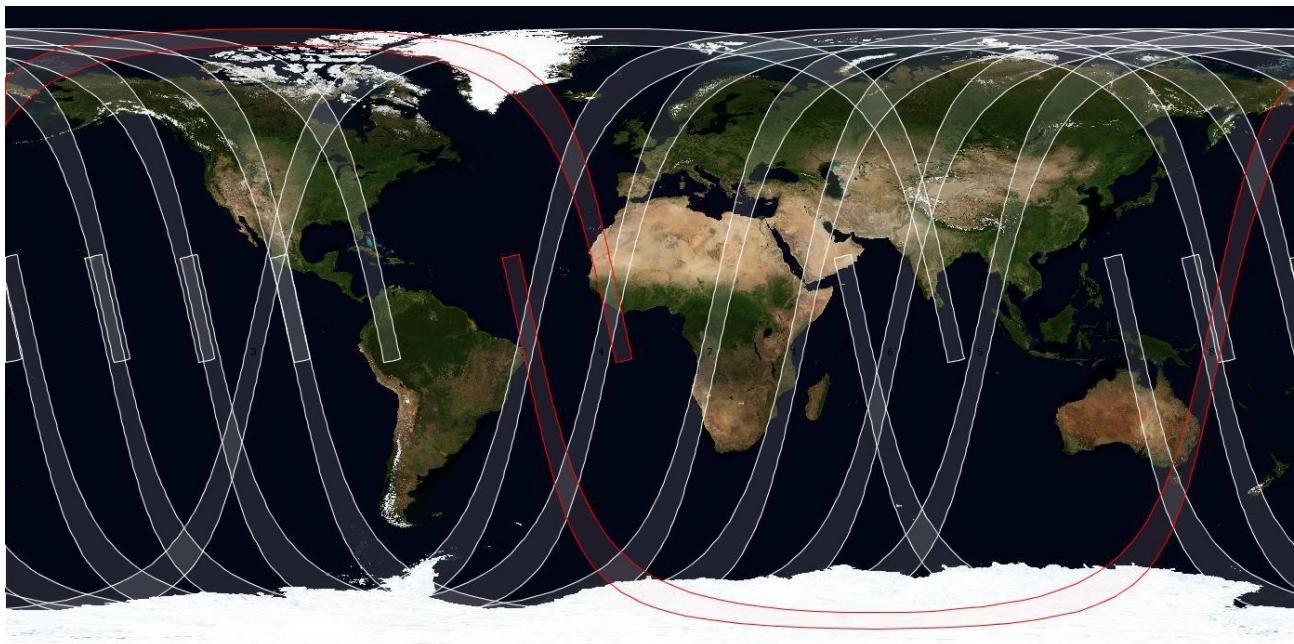
² By convention, “North Pole” is intended as the point on the orbit where the relative Start Sensing time of the product corresponds to ANX+90°, that is to say ANX+1515 seconds

2.3.1 AATSR based

Eight AATSR N1 products have been retrieved from MERCI web service and converted into SLSTR L1b products; three minutes frames PDUs have been generated from the obtained full orbit SLSTR L1B. The list of scenes selected to generate the TDS are shown in Figure 7.

TDS products name and corresponding AATSR data sources is reported in Appendix B.

Figure 7: SLSTR selected orbits based on AATSR L1b from MERCI



It has to be noted that the AATSR ENVISAT product doesn't contain any meteorological parameter. A specific tool was developed aiming at filling only the following fields of the meteo ADS, based on ECMWF data:

- 10 meter U wind component (used in SLSTR Level-2 processing)
- 10 meter V wind component (used in SLSTR Level-2 processing)
- Total column water vapor (used in SLSTR Level-2 processing)
- Surface pressure
- Total column ozone

The other SLSTR meteo fields have been filled with Fillvalue.

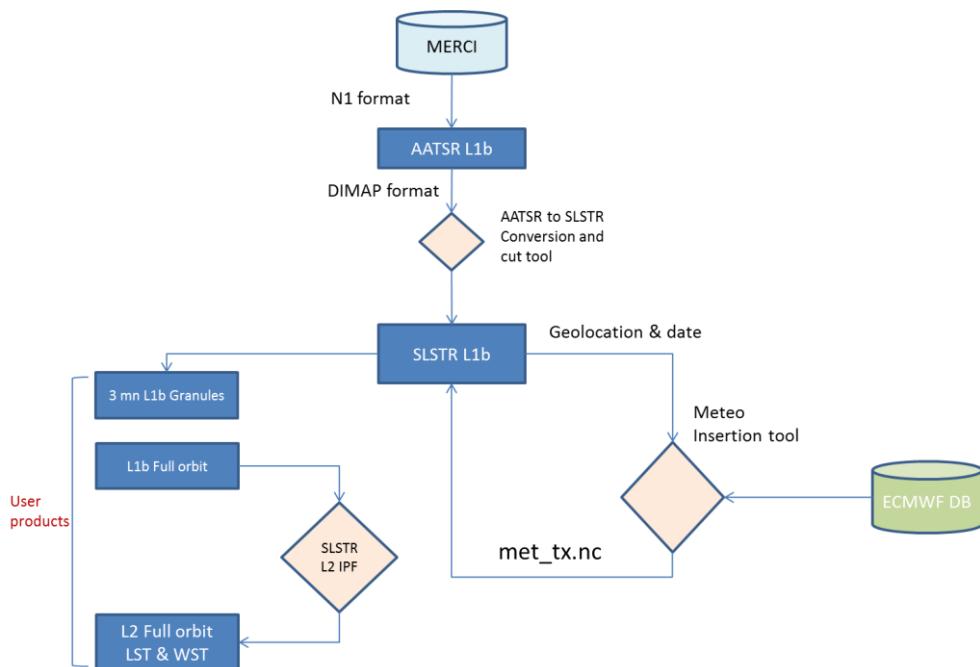
The SLSTR L2 full orbit products have been generated by the SLSTR L2 IPF taking as input the SLSTR L1b full orbit products.

As the AATSR original products are provided as full orbit covering from ANX to ANX, the SLSTR L2 products have been provided using the same coverage, as no tool was identified

to merge and cut two successive orbits in order to get pole-to-pole data as per PDUs definition.

The procedure used to generate SLSTR L1 and L2 products is detailed in the following diagram.

Figure 8: AATSR to SLSTR conversion and computation procedure

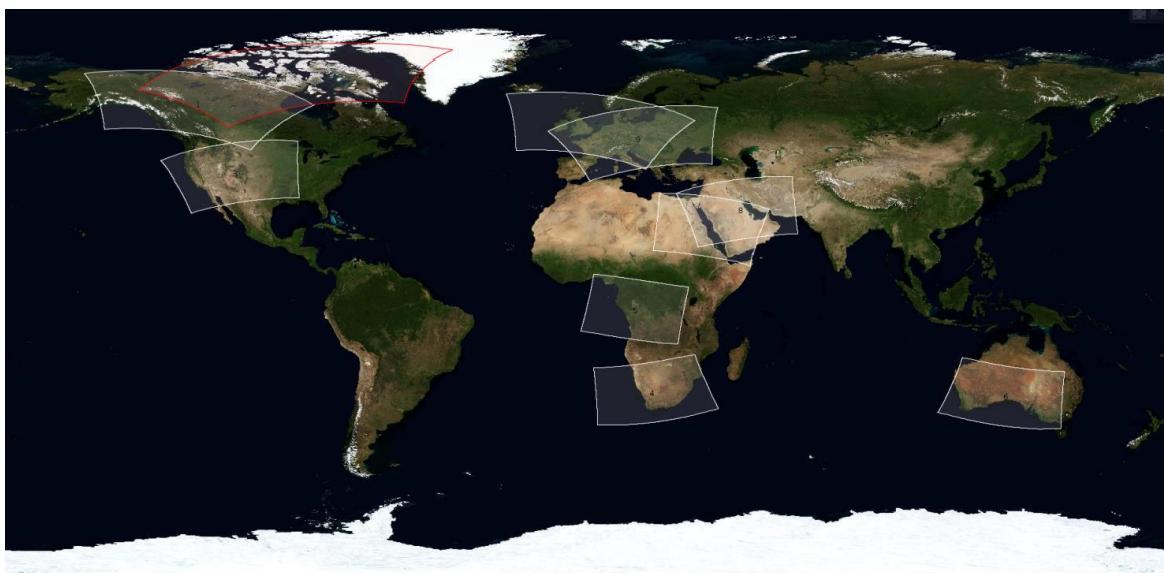


2.3.2 MODIS based

The MODIS products have been generated by University of Leicester in netCDF format.

Ten scenes (shown in Figure 9) have been selected to populate the TDS. A conversion tool has been used to generate the SLSTR L1b products starting from MODIS L1b. Due to the 300 sec length of the generated products no slicing into PDUs of 180 sec has been applied.

Figure 9: SLSTR selected orbits based on MODIS L1b from Leicester University



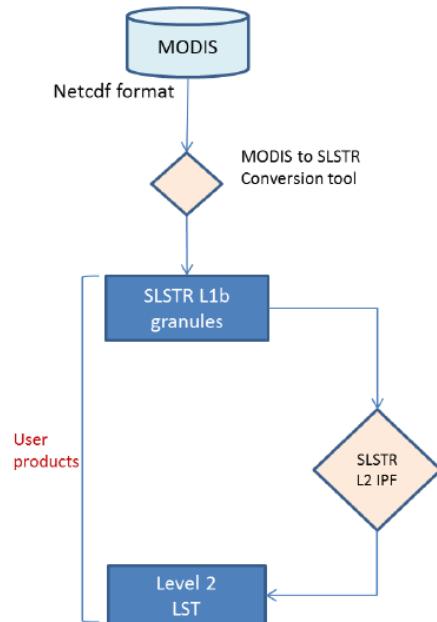
The SLSTR L2 products have been generated by the SLSTR L2 IPF taking as input the SLSTR L1.

The SLSTR TDS generated from MODIS data is not compliant with the Sentinel 3 PDU definition.

The MODIS data are used only for testing the LST products. The geometry of the SLSTR simulated product is stretched in the respect that it is consistent with the MODIS L1 data, making a direct comparison between MODIS LST and SLSTR LST possible.

TDS products name and corresponding data sources are reported in Appendix B.

Figure 10: MODIS to SLSTR conversion and computation procedure



2.4 SYNERGY TDS description

Three datasets have been generated to be processed in the SYNERGY IPF, shown in Figure 11. The inputs to the computation are made of:

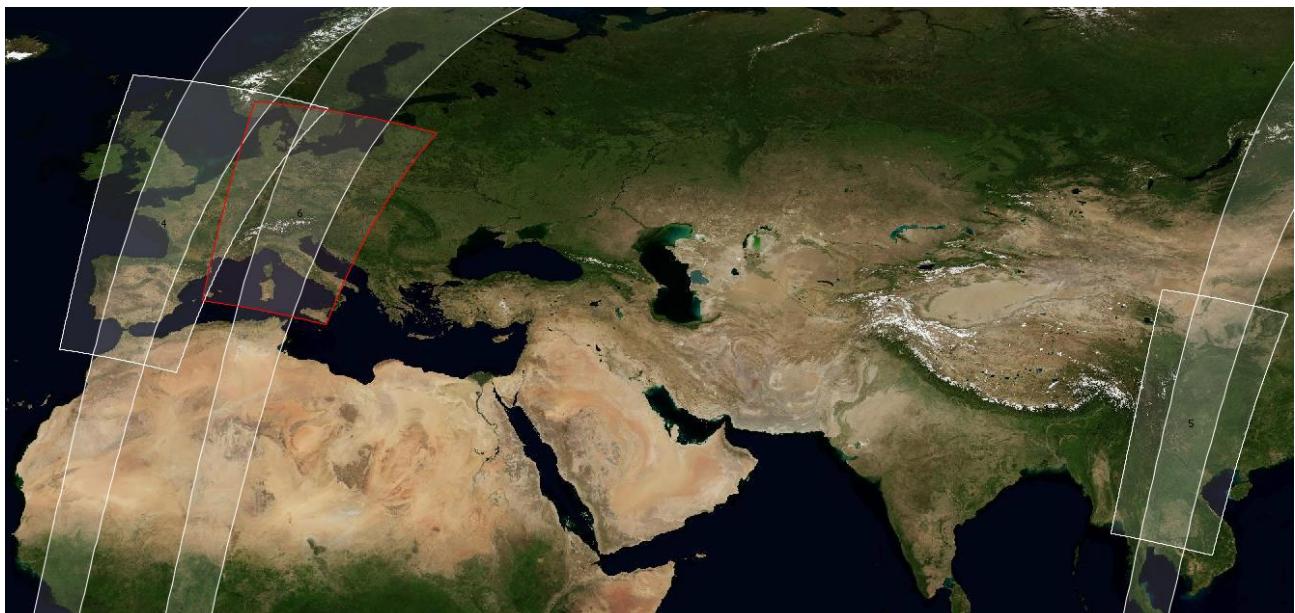
- One OLCI Level 1 in Full Resolution (MERIS based)
- One SLSTR Level 1 (AATSR based) with a common ground coverage with OLCI

Not the full orbits were processed as only the descending part matching the MERIS coverage is used.

The quality of the SYNERGY and in particular of the VGT product should be taken with care; the input data does not allow to derive high quality product.

TDS products name and corresponding data sources is reported in Appendix B.

Figure 11: : SYN selected orbits based on MERIS FR and AATSR L1b



APPENDIX A: SUMMARY OF MAIN LIMITATION

INSTRUMENT	MAIN LIMITATION
OLCI	<ul style="list-style-type: none">– OLCI missing bands have been copied or interpolated– Swath width slightly different– Geometry equivalent to MERIS, therefore not taking into account the tilt toward West– Image grid and tie points grid don't cover the full OLCI swath but they are limited to the MERIS swath. Ortho-geolocation not available outside the actual MERIS swath; zero is used in this area.

SLSTR based on AATSR	<ul style="list-style-type: none"> – Swath limited to the AATSR swath – SLSTR missing bands have been copied or interpolated – The original 1 km resolution of AATSR in the visible bands is interpolated at the SLSTR resolution of 500 m in the visible bands – Orphan pixels not available – Restricted set of meteo parameters available, directly interpolated from ECMWF files – Image grid and tie points grid don't cover the full SLSTR swath but they are limited to the AATSR swath. The geodetic coordinates for both grids are only defined in this area and is no data elsewhere.
SLSTR based on MODIS	<ul style="list-style-type: none"> – MODIS based products intended for LST computations only – Only the 11 and 12 micro-meters channels are provided – No oblique view available – The flags are not properly set – The geometry of the SLSTR simulated product is stretched in the respect that it is consistent with the MODIS L1 data

SYN	<ul style="list-style-type: none"> - No composite (S1 and S10) available - The quality of the VGT product is limited due to the input data limitation
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APPENDIX B

Table 6: MERIS-OLCI: Source and generated products list

MERIS/OLCI RR		
PRODUCT DATA SOURCE (AATSR, MERIS, MODIS)	LEVEL 1 CONVERTED PRODUCT	LEVEL 2 OLCI IPF OUTPUT PRODUCT
MER_RR_1PRACR20080108_065651_000026142065_00006_30621_0000.N1	S3A_OL_1_ERR____20080108T065652_20080108T074025_201 50526T142447_2613_065_006____LN2_D_NT_001.SEN3	S3A_OL_2_LRR____20080108T065652_20080108T074025_201 0528T090710_2613_084_049____LN1_D_NT_001.SEN3 S3A_OL_2_WRR____20080108T065652_20080108T074025_201 50528T091237_2613_084_049____MAR_D_NT_001.SEN3
MER_RR_1PRACR20080108_115838_000026142065_00009_30624_0000.N1	S3A_OL_1_ERR____20080108T115839_20080108T124212_201 0526T150829_2613_065_009____LN2_D_NT_001.SEN3	S3A_OL_2_LRR____20080108T115839_20080108T124212_201 0528T092222_2613_084_052____LN1_D_NT_001.SEN3 S3A_OL_2_WRR____20080108T115839_20080108T124212_201 0528T092828_2613_084_052____MAR_D_NT_001.SEN3
MER_RR_1PRACR20080108_170026_000026132065_00012_30627_0000.N1	S3A_OL_1_ERR____20080108T170026_20080108T174400_201 50526T151804_2613_065_012____LN2_D_NT_001.SEN3	S3A_OL_2_LRR____20080108T170026_20080108T174400_201 0528T094238_2613_084_055____LN1_D_NT_001.SEN3 S3A_OL_2_WRR____20080108T170026_20080108T174400_201 50528T094832_2613_084_055____MAR_D_NT_001.SEN3
MER_RR_1PRACR20080802_031654_000026332070_00462_33582_0000.N1	S3A_OL_1_ERR____20080802T031654_20080802T040047_201 50526T154712_2633_070_462____LN2_D_NT_001.SEN3	S3A_OL_2_LRR____20080802T031654_20080802T040047_201 50528T100026_2633_091_303____LN1_D_NT_001.SEN3 S3A_OL_2_WRR____20080802T031654_20080802T040047_201

		50528T100550_2633_091_303_____MAR_D_NT_001.SEN3
MER_RR_1PRACR20080802_081843_000026332070_00465_33585_0000.N1	S3AOL1ERR____20080802T081843_20080802T090236_20150526T155758_2632_070_465_____LN2_D_NT_001.SEN3	S3AOL2LRR____20080802T081843_20080802T090236_20150528T101617_2632_091_306_____LN1_D_NT_001.SEN3 S3AOL2WRR____20080802T081843_20080802T090236_20150528T102231_2632_091_306_____MAR_D_NT_001.SEN3
MER_RR_1PRACR20080802_095919_000026332070_00466_33586_0000.N1	S3AOL1ERR____20080802T095919_20080802T104312_20150526T160633_2632_070_466_____LN2_D_NT_001.SEN3	S3AOL2LRR____20080802T095919_20080802T104312_20150528T103313_2632_091_307_____LN1_D_NT_001.SEN3 S3AOL2WRR____20080802T095919_20080802T104312_20150528T103858_2632_091_307_____MAR_D_NT_001.SEN3
MERIS/OLCI FR		
PRODUCT DATA SOURCE (AATSR, MERIS, MODIS)	LEVEL 1 CONVERTED PRODUCT	LEVEL 2 OLCI IPF OUTPUT PRODUCT
MER_FR_0PNPDE20070407_030553_000020092057_00061_26668_1482.N1 MER_FSG_1PNACR20070407_031441_000004272057_00061_26668_0000.N1	S3AOL1EFR____20070407T031441_20070407T031741_20150530T125641_0180_057_061_____LN2_D_NT_001.SEN3 S3AOL1EFR____20070407T031741_20070407T032041_20150530T125641_0180_057_061_____LN2_D_NT_001.SEN3 S3AOL1EFR____20070407T032041_20070407T032149_20150530T125641_0068_057_061_____LN2_D_NT_001.SEN3	S3AOL2LFR____20070407T031441_20070407T031741_20150601T085019_0180_073_346_____LN1_D_NT_001.SEN3 S3AOL2LFR____20070407T031741_20070407T032041_20150601T090934_0180_073_346_____LN1_D_NT_001.SEN3 S3AOL2LFR____20070407T032041_20070407T032149_20150601T092707_0068_073_346_____LN1_D_NT_001.SEN3 S3AOL2WFR____20070407T031441_20070407T031741_20150601T085956_0180_073_346_____MAR_D_NT_001.SEN3 S3AOL2WFR____20070407T031741_20070407T032041_20150601T091639_0180_073_346_____MAR_D_NT_001.SEN3 S3AOL2WFR____20070407T032041_20070407T032149_20150601T093117_0068_073_346_____MAR_D_NT_001.SEN3

<p>MER_FR_oPNPDE20080114_102949_000022942065_00094_30709_6666.N1</p> <p>MER_FSG_1PNACR20080114_103541_00004842065_00094_30709_0000.N1</p>	<p>S3AOL1_EFR_20080114T103542_20080114T103842_20150601T094858_0180_065_094_LN2_D_NT_001.SEN3</p> <p>S3AOL1_EFR_20080114T103842_20080114T104142_20150601T094858_0180_065_094_LN2_D_NT_001.SEN3</p> <p>S3AOL1_EFR_20080114T104142_20080114T104346_20150601T094858_0124_065_094_LN2_D_NT_001.SEN3</p>	<p>S3AOL2_LFR_20080114T103542_20080114T103842_20150601T121855_0180_084_136_LN1_D_NT_001.SEN3</p> <p>S3AOL2_LFR_20080114T103842_20080114T104142_20150601T124650_0180_084_136_LN1_D_NT_001.SEN3</p> <p>S3AOL2_LFR_20080114T104142_20080114T104346_20150601T131207_0124_084_136_LN1_D_NT_001.SEN3</p> <p>S3AOL2_WFR_20080114T103542_20080114T103842_20150601T123236_0180_084_136_MAR_D_NT_001.SEN3</p> <p>S3AOL2_WFR_20080114T103842_20080114T104142_20150601T125923_0180_084_136_MAR_D_NT_001.SEN3</p> <p>S3AOL2_WFR_20080114T104142_20080114T104346_20150601T131959_0124_084_136_MAR_D_NT_001.SEN3</p>
<p>MER_FR_oPNPDE20100602_093617_000021432090_00022_43162_7048.N1</p> <p>MER_FSG_1PNACR20100602_094536_000003522090_00022_43162_0000.N1</p>		

Table 7: AATSR-SLSTR: Source and generated products list

AATSR/SLSTR		
PRODUCT DATA SOURCE (AATSR, MERIS, MODIS)	LEVEL 1 CONVERTED PRODUCT	LEVEL 2 SLSTR IPP OUTPUT PRODUCT
ATS_TOA_1PUUPA20080802_025304_000065272070_00461_33581_6824.N1	S3A_SL_1_RBT____20071229T095534_20071229T095834_20150608T064326_0179_064_365____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20071229T095834_20071229T100134_20150608T064326_0179_064_366____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20071229T100135_20071229T100435_20150608T064326_0179_064_366____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20071229T100435_20071229T100735_20150608T064326_0179_064_366____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20071229T100735_20071229T101035_20150608T064326_0179_064_366____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20071229T101035_20071229T101335_20150608T064326_0179_064_366____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20071229T101335_20071229T101635_20150608T064326_0179_064_366____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20071229T101635_20071229T101935_20150608T064326_0179_064_366____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20071229T101935_20071229T102235_20150608T064326_0179_064_366____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20071229T102236_20071229T102536_20150608T064326_0179_064_366____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20071229T102536_20071229T102836_20150608T064326_0179_064_366____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20071229T102836_20071229T103136_20150608T064326_0179_064_366____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20071229T103136_20071229T103436_20150608T064326_0179_064_366____LN2_D_NT_001.SEN3	S3A_SL_2_LST____20071229T095534_20071229T114422_20150529T162721_6528_083_293____LN2_D_NT_001.SEN3 S3A_SL_2_WST____20071229T095534_20071229T114422_20150529T164401_6528_083_293____MAR_D_NT_001.SEN3

S3A_SL_1_RBT____20071229T103436_20071229T103736_2015 0608T064326_0179_064_366____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20071229T103736_20071229T104036_2015 0608T064326_0179_064_366____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20071229T104036_20071229T104336_2015 0608T064326_0179_064_366____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20071229T104337_20071229T104637_2015 0608T064326_0179_064_366____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20071229T104637_20071229T104937_2015 0608T064326_0179_064_366____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20071229T104937_20071229T105237_2015 0608T064326_0179_064_366____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20071229T105237_20071229T105537_2015 0608T064326_0179_064_366____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20071229T105537_20071229T105837_2015 0608T064326_0179_064_366____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20071229T105837_20071229T110137_2015 0608T064326_0179_064_366____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20071229T110138_20071229T110438_2015 0608T064326_0179_064_366____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20071229T110438_20071229T110738_2015 0608T064326_0179_064_366____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20071229T110738_20071229T111038_2015 0608T064326_0179_064_366____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20071229T111038_20071229T111338_2015 0608T064326_0179_064_366____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20071229T111338_20071229T111638_2015 0608T064326_0179_064_366____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20071229T111638_20071229T111938_2015 0608T064326_0179_064_366____LN2_D_NT_001.SEN3

	S3A_SL_1_RBT____20071229T111938_20071229T112238_2015 0608T064326_0179_064_366_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20071229T112239_20071229T112539_2015 0608T064326_0179_064_366_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20071229T112539_20071229T112839_2015 0608T064326_0179_064_366_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20071229T112839_20071229T113139_2015 0608T064326_0179_064_366_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20071229T113139_20071229T113439_2015 0608T064326_0179_064_366_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20071229T113439_20071229T113739_2015 0608T064326_0179_064_366_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20071229T113739_20071229T114039_2015 0608T064326_0179_064_366_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20071229T114039_20071229T114339_2015 0608T064326_0179_064_367_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20071229T114340_20071229T114428_2015 0608T064326_0047_064_367_____LN2_D_NT_001.SEN3	
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ATS_TOA_1PUUPA20080802_043340_000065272070_00462_33582_6825.N1	S3A_SL_1_RBT____20080108T062000_20080108T062300_20 150603T163915_0179_065_005_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T062301_20080108T062601_201 50603T163915_0179_065_006_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T062601_20080108T062901_20 150603T163915_0179_065_006_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T062901_20080108T063201_201 50603T163915_0179_065_006_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T063201_20080108T063501_201 50603T163915_0179_065_006_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T063501_20080108T063801_201 50603T163915_0179_065_006_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T063801_20080108T064101_201 50603T163915_0179_065_006_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T064102_20080108T064402_20 150603T163915_0179_065_006_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T064402_20080108T064702_20 150603T163915_0179_065_006_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T064702_20080108T065002_20 150603T163915_0179_065_006_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T065002_20080108T065302_20 150603T163915_0179_065_006_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T065302_20080108T065602_20 150603T163915_0179_065_006_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T065602_20080108T065902_20 150603T163915_0179_065_006_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T065902_20080108T070202_20 150603T163915_0179_065_006_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T070203_20080108T070503_20 150603T163915_0179_065_006_____LN2_D_NT_001.SEN3	S3A_SL_2_LST____20080108T062000_20080108T080848_20 150529T170350_6528_084_048_____LN2_D_NT_001.SEN3 S3A_SL_2_WST____20080108T062000_20080108T080848_2 0150529T172619_6528_084_048_____MAR_D_NT_001.SEN3
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S3A_SL_1_RBT____20080108T070503_20080108T070803_20 150603T163915_0179_065_006_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T070803_20080108T071103_201 50603T163915_0179_065_006_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T071103_20080108T071403_201 50603T163915_0179_065_006_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T071403_20080108T071703_201 50603T163915_0179_065_006_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T071703_20080108T072003_201 50603T163915_0179_065_006_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T072003_20080108T072303_20 150603T163915_0179_065_006_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T072304_20080108T072604_20 150603T163915_0179_065_006_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T072604_20080108T072904_20 150603T163915_0179_065_006_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T072904_20080108T073204_20 150603T163915_0179_065_006_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T073204_20080108T073504_20 150603T163915_0179_065_006_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T073504_20080108T073804_20 150603T163915_0179_065_006_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T073804_20080108T074104_20 150603T163915_0179_065_006_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T074105_20080108T074405_201 50603T163915_0179_065_006_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T074405_20080108T074705_20 150603T163915_0179_065_006_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T074705_20080108T075005_20 150603T163915_0179_065_006_____LN2_D_NT_001.SEN3

	S3A_SL_1_RBT____20080108T075005_20080108T075305_20 150603T163915_0179_065_006____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T075305_20080108T075605_20 150603T163915_0179_065_006____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T075605_20080108T075905_20 150603T163915_0179_065_006____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T075905_20080108T080205_20 150603T163915_0179_065_006____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T080206_20080108T080506_20 150603T163915_0179_065_006____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T080506_20080108T080806_2 0150603T163915_0179_065_007____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T080806_20080108T080854_20 150603T163915_0047_065_007____LN2_D_NT_001.SEN3	
ATS_TOA_1PUUPA20080802_075452_0 00065272070_00464_33584_6827.N1	S3A_SL_1_RBT____20080108T112148_20080108T112448_2015 0603T211506_0179_065_008____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T112448_20080108T112748_201 50603T211506_0179_065_009____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T112748_20080108T113048_201 50603T211506_0179_065_009____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T113049_20080108T113349_201 50603T211506_0179_065_009____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T113349_20080108T113649_201 50603T211506_0179_065_009____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T113649_20080108T113949_201 50603T211506_0179_065_009____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T113949_20080108T114249_201 50603T211506_0179_065_009____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080108T114249_20080108T114549_201 50603T211506_0179_065_009____LN2_D_NT_001.SEN3	S3A_SL_2_LST____20080108T112148_20080108T131036_2015 0529T175336_6528_084_051____LN2_D_NT_001.SEN3 S3A_SL_2_WST____20080108T112148_20080108T131036_201 50529T181413_6528_084_051____MAR_D_NT_001.SEN3

S3A_SL_1_RBT____20080108T114549_20080108T114849_201 50603T211506_0179_065_009_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T114849_20080108T115149_2015 0603T211506_0179_065_009_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T115150_20080108T115450_2015 0603T211506_0179_065_009_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T115450_20080108T115750_2015 0603T211506_0179_065_009_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T115750_20080108T120050_201 50603T211506_0179_065_009_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T120050_20080108T120350_201 50603T211506_0179_065_009_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T120350_20080108T120650_201 50603T211506_0179_065_009_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T120650_20080108T120950_201 50603T211506_0179_065_009_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T120951_20080108T121251_2015 0603T211506_0179_065_009_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T121251_20080108T121551_2015 0603T211506_0179_065_009_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T121551_20080108T121851_2015 0603T211506_0179_065_009_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T121851_20080108T122151_2015 0603T211506_0179_065_009_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T122151_20080108T122451_2015 0603T211506_0179_065_009_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T122451_20080108T122751_2015 0603T211506_0179_065_009_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080108T122751_20080108T123051_2015 0603T211506_0179_065_009_____LN2_D_NT_001.SEN3

	S3A_SL_1_RBT____20080108T123052_20080108T123352_201 50603T211506_0179_065_009_____LN2_D_NT_001.SEN3
	S3A_SL_1_RBT____20080108T123352_20080108T123652_201 50603T211506_0179_065_009_____LN2_D_NT_001.SEN3
	S3A_SL_1_RBT____20080108T123652_20080108T123952_201 50603T211506_0179_065_009_____LN2_D_NT_001.SEN3
	S3A_SL_1_RBT____20080108T123952_20080108T124252_201 50603T211506_0179_065_009_____LN2_D_NT_001.SEN3
	S3A_SL_1_RBT____20080108T124252_20080108T124552_201 50603T211506_0179_065_009_____LN2_D_NT_001.SEN3
	S3A_SL_1_RBT____20080108T124552_20080108T124852_201 50603T211506_0179_065_009_____LN2_D_NT_001.SEN3
	S3A_SL_1_RBT____20080108T124852_20080108T125152_201 50603T211506_0179_065_009_____LN2_D_NT_001.SEN3
	S3A_SL_1_RBT____20080108T125153_20080108T125453_201 50603T211506_0179_065_009_____LN2_D_NT_001.SEN3
	S3A_SL_1_RBT____20080108T125453_20080108T125753_201 50603T211506_0179_065_009_____LN2_D_NT_001.SEN3
	S3A_SL_1_RBT____20080108T125753_20080108T130053_201 50603T211506_0179_065_009_____LN2_D_NT_001.SEN3
	S3A_SL_1_RBT____20080108T130053_20080108T130353_201 50603T211506_0179_065_009_____LN2_D_NT_001.SEN3
	S3A_SL_1_RBT____20080108T130353_20080108T130653_201 50603T211506_0179_065_009_____LN2_D_NT_001.SEN3
	S3A_SL_1_RBT____20080108T130653_20080108T130953_201 50603T211506_0179_065_010_____LN2_D_NT_001.SEN3
	S3A_SL_1_RBT____20080108T130954_20080108T131042_201 50603T211506_0047_065_010_____LN2_D_NT_001.SEN3

ATS_TOA_1PUUPA20080802_093528_000065272070_00465_33585_6828.N1	S3A_SL_1_RBT_20080108T162336_20080108T162636_201 50604T004225_0179_065_011_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080108T162636_20080108T162936_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080108T162936_20080108T163236_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080108T163236_20080108T163536_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080108T163537_20080108T163837_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080108T163837_20080108T164137_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080108T164137_20080108T164437_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080108T164437_20080108T164737_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080108T164737_20080108T165037_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080108T165037_20080108T165337_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080108T165337_20080108T165637_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080108T165638_20080108T165938_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080108T165938_20080108T170238_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080108T170238_20080108T170538_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080108T170538_20080108T170838_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3	S3A_SL_2_LST_20080108T162336_20080108T181224_201 50529T184427_6528_084_054_LN2_D_NT_001.SEN3 S3A_SL_2_WST_20080108T162336_20080108T181224_201 50529T191147_6528_084_054_MAR_D_NT_001.SEN3
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S3A_SL_1_RBT_20080108T170838_20080108T171138_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3
S3A_SL_1_RBT_20080108T171138_20080108T171438_2015 0604T004225_0179_065_012_LN2_D_NT_001.SEN3
S3A_SL_1_RBT_20080108T171438_20080108T171738_2015 0604T004225_0179_065_012_LN2_D_NT_001.SEN3
S3A_SL_1_RBT_20080108T171739_20080108T172039_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3
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S3A_SL_1_RBT_20080108T172339_20080108T172639_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3
S3A_SL_1_RBT_20080108T172639_20080108T172939_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3
S3A_SL_1_RBT_20080108T172939_20080108T173239_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3
S3A_SL_1_RBT_20080108T173239_20080108T173539_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3
S3A_SL_1_RBT_20080108T173540_20080108T173840_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3
S3A_SL_1_RBT_20080108T173840_20080108T174140_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3
S3A_SL_1_RBT_20080108T174140_20080108T174440_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3
S3A_SL_1_RBT_20080108T174440_20080108T174740_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3
S3A_SL_1_RBT_20080108T174740_20080108T175040_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3
S3A_SL_1_RBT_20080108T175040_20080108T175340_201 50604T004225_0179_065_012_LN2_D_NT_001.SEN3

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ATS_TOA_1PUUPA20080802_111604_0 00065272070_00466_33586_6829.N1	S3A_SL_1_RBT____20080802T025305_20080802T025605_20 150604T033644_0179_070_461_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T025605_20080802T025905_20 150604T033644_0179_070_462_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T025905_20080802T030205_2 0150604T033644_0179_070_462_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T030205_20080802T030505_2 0150604T033644_0179_070_462_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T030505_20080802T030805_2 0150604T033644_0179_070_462_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T030805_20080802T031105_20 150604T033644_0179_070_462_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T031106_20080802T031406_20 150604T033644_0179_070_462_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T031406_20080802T031706_20 150604T033644_0179_070_462_____LN2_D_NT_001.SEN3	S3A_SL_2_LST____20080802T025305_20080802T044153_20 150530T115319_6528_091_303_____LN2_D_NT_001.SEN3 S3A_SL_2_WST____20080802T025305_20080802T044153_20 150530T121340_6528_091_303_____MAR_D_NT_001.SEN3

	S3A_SL_1_RBT_20080802T031706_20080802T032006_20 150604T033644_0179_070_462_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080802T032006_20080802T032306_2 0150604T033644_0179_070_462_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080802T032306_20080802T032606_2 0150604T033644_0179_070_462_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080802T032606_20080802T032906_2 0150604T033644_0179_070_462_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080802T032907_20080802T033207_20 150604T033644_0179_070_462_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080802T033207_20080802T033507_20 150604T033644_0179_070_462_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080802T033507_20080802T033807_20 150604T033644_0179_070_462_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080802T033807_20080802T034107_20 150604T033644_0179_070_462_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080802T034107_20080802T034407_20 150604T033644_0179_070_462_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080802T034407_20080802T034707_20 150604T033644_0179_070_462_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080802T034707_20080802T035007_20 150604T033644_0179_070_462_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080802T035008_20080802T035308_2 0150604T033644_0179_070_462_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080802T035308_20080802T035608_2 0150604T033644_0179_070_462_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080802T035608_20080802T035908_2 0150604T033644_0179_070_462_LN2_D_NT_001.SEN3 S3A_SL_1_RBT_20080802T035908_20080802T040208_2 0150604T033644_0179_070_462_LN2_D_NT_001.SEN3
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	S3A_SL_1_RBT_20080802T040208_20080802T040508_2 0150604T033644_0179_070_462_LN2_D_NT_001.SEN3
	S3A_SL_1_RBT_20080802T040508_20080802T040808_2 0150604T033644_0179_070_462_LN2_D_NT_001.SEN3
	S3A_SL_1_RBT_20080802T040808_20080802T041108_20 150604T033644_0179_070_462_LN2_D_NT_001.SEN3
	S3A_SL_1_RBT_20080802T041109_20080802T041409_20 150604T033644_0179_070_462_LN2_D_NT_001.SEN3
	S3A_SL_1_RBT_20080802T041409_20080802T041709_20 150604T033644_0179_070_462_LN2_D_NT_001.SEN3
	S3A_SL_1_RBT_20080802T041709_20080802T042009_20 150604T033644_0179_070_462_LN2_D_NT_001.SEN3
	S3A_SL_1_RBT_20080802T042009_20080802T042309_2 0150604T033644_0179_070_462_LN2_D_NT_001.SEN3
	S3A_SL_1_RBT_20080802T042309_20080802T042609_2 0150604T033644_0179_070_462_LN2_D_NT_001.SEN3
	S3A_SL_1_RBT_20080802T042609_20080802T042909_2 0150604T033644_0179_070_462_LN2_D_NT_001.SEN3
	S3A_SL_1_RBT_20080802T042910_20080802T043210_20 150604T033644_0179_070_462_LN2_D_NT_001.SEN3
	S3A_SL_1_RBT_20080802T043210_20080802T043510_20 150604T033644_0179_070_462_LN2_D_NT_001.SEN3
	S3A_SL_1_RBT_20080802T043510_20080802T043810_20 150604T033644_0179_070_462_LN2_D_NT_001.SEN3
	S3A_SL_1_RBT_20080802T043810_20080802T044110_20 150604T033644_0179_070_463_LN2_D_NT_001.SEN3
	S3A_SL_1_RBT_20080802T044110_20080802T044158_20 150604T033644_0047_070_463_LN2_D_NT_001.SEN3

ATS_TOA_1PUUPA20080802_143716_0 00065272070_00468_33588_6831.N1	S3A_SL_1_RBT____20080802T043341_20080802T043641_20 150604T064240_0179_070_462____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T043641_20080802T043941_20 150604T064240_0179_070_463____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T043941_20080802T044241_20 150604T064240_0179_070_463____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T044241_20080802T044541_20 150604T064240_0179_070_463____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T044541_20080802T044841_20 150604T064240_0179_070_463____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T044841_20080802T045141_20 150604T064240_0179_070_463____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T045142_20080802T045442_20 150604T064240_0179_070_463____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T045442_20080802T045742_20 150604T064240_0179_070_463____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T045742_20080802T050042_20 150604T064240_0179_070_463____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T050042_20080802T050342_2 0150604T064240_0179_070_463____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T050342_20080802T050642_2 0150604T064240_0179_070_463____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T050642_20080802T050942_2 0150604T064240_0179_070_463____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T050943_20080802T051243_20 150604T064240_0179_070_463____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T051243_20080802T051543_20 150604T064240_0179_070_463____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T051543_20080802T051843_20 150604T064240_0179_070_463____LN2_D_NT_001.SEN3	S3A_SL_2_LST____20080802T043341_20080802T062229_20 150609T140826_6528_091_304____LN2_D_NT_001.SEN3 S3A_SL_2_WST____20080802T043341_20080802T062229_2 0150530T124121_6528_091_304____MAR_D_NT_001.SEN3
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S3A_SL_1_RBT____20080802T051843_20080802T052143_20 150604T064240_0179_070_463_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802T052143_20080802T052443_20 150604T064240_0179_070_463_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802T052443_20080802T052743_20 150604T064240_0179_070_463_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802T052743_20080802T053043_20 150604T064240_0179_070_463_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802T053044_20080802T053344_20 150604T064240_0179_070_463_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802T053344_20080802T053644_20 150604T064240_0179_070_463_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802T053644_20080802T053944_20 150604T064240_0179_070_463_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802T053944_20080802T054244_20 150604T064240_0179_070_463_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802T054244_20080802T054544_20 150604T064240_0179_070_463_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802T054544_20080802T054844_20 150604T064240_0179_070_463_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802T054844_20080802T055144_20 150604T064240_0179_070_463_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802T055145_20080802T055445_20 150604T064240_0179_070_463_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802T055445_20080802T055745_20 150604T064240_0179_070_463_____LN2_D_NT_001.SEN3
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S3A_SL_1_RBT____20080802T060045_20080802T060345_2 0150604T064240_0179_070_463_____LN2_D_NT_001.SEN3

	S3A_SL_1_RBT____20080802T060345_20080802T060645_2 0150604T064240_0179_070_463____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T060645_20080802T060945_2 0150604T064240_0179_070_463____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T060946_20080802T061246_20 150604T064240_0179_070_463____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T061246_20080802T061546_20 150604T064240_0179_070_463____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T061546_20080802T061846_20 150604T064240_0179_070_463____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T061846_20080802T062146_20 150604T064240_0179_070_464____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T062146_20080802T062234_20 150604T064240_0047_070_464____LN2_D_NT_001.SEN3	
ATS_TOA_1PUUPA20080806_205347_000065272071_00028_33649_6892.N1	S3A_SL_1_RBT____20080802T075453_20080802T075753_20 150604T095319_0179_070_464____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T075753_20080802T080053_20 150604T095319_0179_070_465____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T080053_20080802T080353_2 0150604T095319_0179_070_465____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T080353_20080802T080653_2 0150604T095319_0179_070_465____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T080653_20080802T080953_2 0150604T095319_0179_070_465____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T080953_20080802T081253_20 150604T095319_0179_070_465____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T081254_20080802T081554_20 150604T095319_0179_070_465____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T081554_20080802T081854_20 150604T095319_0179_070_465____LN2_D_NT_001.SEN3	S3A_SL_2_LST____20080802T075453_20080802T094341_20150530T130041_6528_091_306____LN2_D_NT_001.SEN3 S3A_SL_2_WST____20080802T075453_20080802T094341_20150530T132203_6528_091_306____MAR_D_NT_001.SEN3

S3A_SL_1_RBT____20080802To81854_20080802To82154_20 150604T095319_0179_070_465_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802To82154_20080802To82454_20 150604T095319_0179_070_465_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802To82454_20080802To82754_20 150604T095319_0179_070_465_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802To82754_20080802To83054_20 150604T095319_0179_070_465_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802To83054_20080802To83354_2 0150604T095319_0179_070_465_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802To83355_20080802To83655_20 150604T095319_0179_070_465_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802To83655_20080802To83955_20 150604T095319_0179_070_465_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802To83955_20080802To84255_20 150604T095319_0179_070_465_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802To84255_20080802To84555_20 150604T095319_0179_070_465_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802To84555_20080802To84855_20 150604T095319_0179_070_465_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802To84855_20080802To85155_20 150604T095319_0179_070_465_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802To85156_20080802To85456_20 150604T095319_0179_070_465_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802To85456_20080802To85756_20 150604T095319_0179_070_465_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802To85756_20080802To90056_20 150604T095319_0179_070_465_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080802To90056_20080802To90356_2 0150604T095319_0179_070_465_____LN2_D_NT_001.SEN3

	S3A_SL_1_RBT____20080802T090356_20080802T090656_2 0150604T095319_0179_070_465_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T090656_20080802T090956_2 0150604T095319_0179_070_465_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T090956_20080802T091256_20 150604T095319_0179_070_465_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T091257_20080802T091557_201 50604T095319_0179_070_465_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T091557_20080802T091857_201 50604T095319_0179_070_465_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T091857_20080802T092157_20 150604T095319_0179_070_465_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T092157_20080802T092457_20 150604T095319_0179_070_465_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T092457_20080802T092757_20 150604T095319_0179_070_465_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T092757_20080802T093057_20 150604T095319_0179_070_465_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T093057_20080802T093357_20 150604T095319_0179_070_465_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T093358_20080802T093658_20 150604T095319_0179_070_465_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T093658_20080802T093958_20 150604T095319_0179_070_465_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T093958_20080802T094258_20 150604T095319_0179_070_466_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080802T094258_20080802T094346_20 150604T095319_0047_070_466_____LN2_D_NT_001.SEN3	
ATS_TOA_1PUUPA20080806_223423_000065272071_00029_33650_6893.N1	S3A_SL_1_RBT____20080806T223424_20080806T223724_20 150604T133210_0179_071_029_____LN2_D_NT_001.SEN3	S3A_SL_2_LST____20080806T223424_20080807T002312_20 150609T132853_6528_091_372_____LN2_D_NT_001.SEN3

	S3A_SL_1_RBT____20080806T223724_20080806T224024_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080806T224024_20080806T224324_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080806T224324_20080806T224624_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080806T224624_20080806T224924_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080806T224924_20080806T225224_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080806T225225_20080806T225525_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080806T225525_20080806T225825_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080806T225825_20080806T230125_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080806T230125_20080806T230425_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080806T230425_20080806T230725_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080806T230725_20080806T231025_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080806T231025_20080806T231325_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080806T231326_20080806T231626_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080806T231626_20080806T231926_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3 S3A_SL_1_RBT____20080806T231926_20080806T232226_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3	S3A_SL_2_WST____20080806T223424_20080807T002312_20 150530T135557_6528_091_372_____MAR_D_NT_001.SEN3
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S3A_SL_1_RBT____20080806T232226_20080806T232526_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080806T232526_20080806T232826_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080806T232826_20080806T233126_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080806T233126_20080806T233426_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080806T233427_20080806T233727_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080806T233727_20080806T234027_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080806T234027_20080806T234327_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080806T234327_20080806T234627_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080806T234627_20080806T234927_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080806T234927_20080806T235227_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080806T235228_20080806T235528_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080806T235528_20080806T235828_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080806T235828_20080807T000128_20 150604T133210_0179_071_030_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080807T000128_20080807T000428_2 0150604T133210_0179_071_030_____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080807T000428_20080807T000728_2 0150604T133210_0179_071_030_____LN2_D_NT_001.SEN3

S3A_SL_1_RBT____20080807T000728_20080807T001028_20 150604T133210_0179_071_030____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080807T001028_20080807T001328_20 150604T133210_0179_071_030____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080807T001329_20080807T001629_20 150604T133210_0179_071_030____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080807T001629_20080807T001929_20 150604T133210_0179_071_030____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080807T001929_20080807T002229_20 150604T133210_0179_071_031____LN2_D_NT_001.SEN3
S3A_SL_1_RBT____20080807T002229_20080807T002317_20 150604T133210_0047_071_031____LN2_D_NT_001.SEN3

Table 8: MODIS-SLSTR: Source and generated products list

MODIS/SLSTR	PRODUCT DATA SOURCE (AATSR, MERIS, MODIS)	LEVEL 1 CONVERTED PRODUCT	LEVEL 2 SLSTR IPF OUTPUT PRODUCT
S3A_SL_2_LST____20110315T032000_ LUOL.nc	S3A_SL_1_RBT____20110315T032000_20110315T032500_20150 609T085852_0299_098_104____LN2_D_NT_001.SEN3	S3A_SL_2_LST____20110315T032000_20110315T032500_2015 0609T093923_0299_127_061____LN2_D_NT_001.SEN3	
S3A_SL_2_LST____20110515T081000_ LUOL.nc	S3A_SL_1_RBT____20110515T081000_20110515T081500_20150 609T085933_0300_099_479____LN2_D_NT_001.SEN3	S3A_SL_2_LST____20110515T081000_20110515T081500_2015 0609T094612_0299_129_163____LN2_D_NT_001.SEN3	
S3A_SL_2_LST____20110615T051500_L UOL.nc	S3A_SL_1_RBT____20110615T051500_20110615T052000_20150 609T090016_0300_100_420____LN2_D_NT_001.SEN3	S3A_SL_2_LST____20110615T051500_20110615T052000_2015 0609T094853_0300_130_219____LN2_D_NT_001.SEN3	
S3A_SL_2_LST____20110615T212500_L UOL.nc	S3A_SL_1_RBT____20110615T212459_20110615T212959_201506 09T090058_0300_100_430____LN2_D_NT_001.SEN3	S3A_SL_2_LST____20110615T212459_20110615T212959_20150 609T102929_0300_130_228____LN2_D_NT_001.SEN3	
S3A_SL_2_LST____20110715T092500_ LUOL.nc	S3A_SL_1_RBT____20110715T092459_20110715T092959_20150 609T090139_0300_101_351____LN2_D_NT_001.SEN3	S3A_SL_2_LST____20110715T092459_20110715T092959_20150 609T095220_0300_131_264____LN2_D_NT_001.SEN3	
S3A_SL_2_LST____20110915T013000_ LUOL.nc	S3A_SL_1_RBT____20110915T012959_20110915T013459_201506 09T090221_0300_103_232____LN2_D_NT_001.SEN3	S3A_SL_2_LST____20110915T012959_20110915T013459_20150 609T095534_0300_133_373____LN2_D_NT_001.SEN3	

S3A_SL_2_LST_20110915T110000_L_UOL.nc	S3A_SL_1_RBT_20110915T110000_20110915T110500_20150 609T090303_0300_103_237_LN2_D_NT_001.SEN3	S3A_SL_2_LST_20110915T110000_20110915T110500_20150 609T095816_0299_133_379_LN2_D_NT_001.SEN3
S3A_SL_2_LST_20111015T190000_L_UOL.nc	S3A_SL_1_RBT_20111015T190000_20111015T190500_20150 609T090345_0300_104_170_LN2_D_NT_001.SEN3	S3A_SL_2_LST_20111015T190000_20111015T190500_20150 609T095940_0300_135_041_LN2_D_NT_001.SEN3
S3A_SL_2_LST_20111015T192500_L_UOL.nc	S3A_SL_1_RBT_20111015T192459_20111015T192959_201506 09T090426_0300_104_171_LN2_D_NT_001.SEN3	S3A_SL_2_LST_20111015T192459_20111015T192959_20150 609T100136_0299_135_042_LN2_D_NT_001.SEN3
S3A_SL_2_LST_20111015T204500_L_UOL.nc	S3A_SL_1_RBT_20111015T204500_20111015T205000_20150 609T090508_0300_104_172_LN2_D_NT_001.SEN3	S3A_SL_2_LST_20111015T204500_20111015T205000_2015 0609T100241_0299_135_043_LN2_D_NT_001.SEN3

Table 9: MERIS/AATSR-SYNERGY: Source and generated products list

SYNERGY		
PRODUCT DATA SOURCE (AATSR, MERIS)	LEVEL 1 CONVERTED PRODUCT	SYN IPF LEVEL 2 OUTPUT PRODUCT
MER_FSG_1PNACR20040704_103947_000004842028_00180_12258_0000.N1	S3A_OL_1_EFR_20040704T103948_20040704T104752_20 150529T100547_0483_028_180_LN2_D_NT_001.SEN3	S3A_SY_2_SYN_20040704T104000_20040704T104630_20 150612T204836_0389_036_236_LN2_D_NT_001.SEN3
ATS_TOA_1PUUPA20040704_100423_000038392028_00179_12257_5705.N1	S3A_SL_1_RBT_20040704T103553_20040704T105538_20 150603T121137_1184_028_180_LN2_D_NT_001.SEN3	S3A_SY_2_VGP_20040704T104000_20040704T104630_20 150612T204843_0389_036_236_LN2_D_NT_001.SEN3
MER_FSG_1PNACR20070407_031441_000004272057_00061_26668_0000.N1	S3A_OL_1_EFR_20070407T031441_20070407T032148_20 150530T125641_0426_057_061_LN2_D_NT_001.SEN3	S3A_SY_2_SYN_20070407T031600_20070407T032000_20 150611T082554_0239_073_346_LN2_D_NT_001.SEN3
ATS_TOA_1PUUPA20070407_023257_00065272057_00060_26667_0033.N1	S3A_SL_1_RBT_20070407T030257_20070407T032712_20 150603T104245_1454_057_061_LN2_D_NT_001.SEN3	S3A_SY_2_VGP_20070407T031600_20070407T032000_20 150611T082559_0239_073_346_LN2_D_NT_001.SEN3
MER_FSG_1PNACR20100602_094536_000003522090_00022_43162_0000.N1	S3A_OL_1_EFR_20100602T094537_20100602T095129_20 150601T075458_0351_090_022_LN2_D_NT_001.SEN3	S3A_SY_2_SYN_20100602T094537_20100602T095129_201 50605T144036_0351_116_221_LN2_D_NT_001.SEN3
ATS_TOA_1PUUPA20100602_090925_000065272090_00021_43161_7042.N1	S3A_SL_1_RBT_20100602T094110_20100602T100110_201 50603T103115_1199_090_022_LN2_D_NT_001.SEN3	S3A_SY_2_VGP_20100602T094537_20100602T095129_201 50605T144041_0351_116_221_LN2_D_NT_001.SEN3