

Jason-CS/Sentinel-6 Generic File Naming Convention (GFNC)

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Document Change Record

Version	Version Date (as on profile)	DCR* No. if applicable	Description of Changes
V1 Draft	01/02/2017	N/A	First Draft version
V1	16/02/2017	N/A	Delivery version for JCS System PDR
V1A	12/04/2017	N/A	Version released for the PDAP ITT System PDR RIDs: RID-023: the field <class_id> has been updated including the meaning of data usage for NNN, as free text, Consolidation of the document for consistency with GS and Processing Specifications documents updates.
V1B	17/10/2017	N/A	Paragraph 2.1: <ol style="list-style-type: none"> 1. Changed order “relative orbit” and “pass number” 2. Updated notion of “processing baseline” 3. Replaced the old RO data type “GNS____” with “GNSSO__” to avoid confusion with GNS____ for GNSS POD. Paragraph 2.2 defining the filename convention of the measurements datablock(s) inside the Sentinel SAFE package has been added for the Altimeter Paragraph 2.3 for Logical File Name for Product in BUFR format has been added An open issue (OI-4) is raised for Radio Occultation BUFR filename. Minor updates.
V2	24/01/2018	JCS_DCR_4	Version released for the PDAP KO
V2A	15/03/2018		Table 4: updated the description of the naming element “<source> for IDs of generating centres. Removed the Data Type ID for the AMR-C High Frequency L2 observation data from paragraph 2.2, table 5.

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<i>Version</i>	<i>Version Date (as on profile)</i>	<i>DCR* No. if applicable</i>	<i>Description of Changes</i>
			<p>New paragraph “2.4.1 Product and Auxiliary Data type definition for AMR-C”</p> <p>More examples of filenames provided in the Appendix sections</p> <p>Editorial corrections.</p>
V2B	19/04/2018	JCS_DCR_60	Version released for PDAP data package
V2C	22/05/2018		<p>Version for Internal review:</p> <p>Corrections of typos</p> <p>Reworded the description of the paragraph “1.5 Open Issues”</p> <p>Reworded the description of the paragraph “1.6 Document Structure”</p> <p>Updated the section “2.2 Logical File Name for Internal Measurements File(s)”:</p> <ul style="list-style-type: none"> - Table 5: Added the Data Type ID “HR_RED_ / HR_STD_” for reduced/standard L2 high resolution P4 observation data”; - Removed the “P” label as a possible choice for the Processing Level Identifier; - Reworded Pass number description <p>Updated the list of Aux files used in AMR-C processing in section “2.4.1 Product and Auxiliary Data type definition for AMR-C”</p> <p>Defined the data Type ID for RO BUFR, “BUF_____”, in Table 4</p> <p>Updated the paragraph “2.3.2 Radio Occultation BUFR filename ” for EUMETSAT RO bufr generation</p> <p>Updated the Note containing the explanation of the meaning of “processing baseline” field</p> <p>Updated Appendix A: “processing baseline” field corrected in the examples</p>

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V3	18/10/2018	JCS_DCR_106	Published for J-CS/S-6 System Check Point #2/CDR.
V3A	08/04/2019	JCS_DCR_176	<ol style="list-style-type: none"> 1. Updated filenaming convention for ALT BUFR files, improving the Table 6 and including flags to identify BUFR for HR and LR. 2. Included an example on how to fill the <end time> field in Table 4 for static auxiliary files when the stop validity time covers the entire mission life. 3. Table 4: in the “Data source/consumer” field has been added a new identifier “TM”; 4. Table 4: in the “Processing Level” field has been clarified the rule for identifying the P4 L3 products (STC, Filtered, Unfiltered); 5. Table 4: the “Data Type ID” field has been updated removing the sentence in brackets because an ACQ___ product for Level 1 is also generated; 6. In paragraph 2.4.1 a new <i>Auxiliary_Data_Type</i> has been introduced for the “Dynamic Calibration Coefficients” auxiliary file for HRMR instrument; 7. Introduced additional examples of product filename in Appendix A; 8. Table 2 updated including the HRMR acronym; 9. The field <v> Product version in Table 6, paragraph “2.3.1 Altimeter BUFR filename”, has been renamed, modified the length and clarified the content;
V3B	01/07/2019	JCS_DCR_231	<ol style="list-style-type: none"> 1. Updated chapter 1.6 reporting new appendix for BUFR filenames examples; 2. Updated the list of examples for the Auxiliary data type for RO in Table 4;

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Version	Version Date (as on profile)	DCR* No. if applicable	Description of Changes
			<ol style="list-style-type: none"> 3. Included a new Open Point OI-5 in “1.5 Open Issues” paragraph. 4. Updated “LL” field (Processing Level) in Table 4 removing the Note referring to the L3F/U products generated by CNES. The correct product_type is defined in the dedicated paragraph 2.4.2; added more details in the field description; 5. Updated in Table 4 the <instance_id> including the different meaning for each sub-field requested for RO L1b products with respect to RO L0 products; 6. Included also a note on how to set the <instance_id> in RO L0 product filename; 7. Updated the Processing baseline for RO in <class_id> relevant to products and clarified how the NNN subfield is set for L0 products; 8. Improved the description of the “NNN” field in <class_id> relevant to auxiliary data; 9. Introduced the new paragraph “2.4.2 Product_type definition for ALT L2P/L3 products”. TBCs for L3 Wave products still under discussion with CNES; 10. Introduce the new paragraph “2.4.3 Product_type definition for Products/Auxiliary Files not used by PGFs” 11. Corrected the examples of RO and ALT product filenames in Appendix A; 12. Updated the title for the Appendix “B.1 Internal Altimeter and AMR-C Products”; 13. Included a footnote in Appendix A.1 linked to L2P/L3 Wave product types still TBC;
V4	23/04/2020	JCS_DCR_351	<p>First DCR:</p> <ol style="list-style-type: none"> 1. The Instance ID in Table 4 for the RO L1b NTC instrument data

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Version	Version Date (as on profile)	DCR* No. if applicable	Description of Changes
		JCS_DCR_362	<p>products has been updated replacing the 3 underscores corresponding to CCC sub-field with a dedicated flag to product quality;</p> <ol style="list-style-type: none"> 2. Table 9: Product Types for Products/Auxiliary Files not used by PGFs includes the definitions of the “Product_Type” for Hourly and Daily GNSS-POD RINEX as auxiliary files. So, they have been removed as Product in the table; 3. Table 9: removed the Reference Orbit Scenario File Product_type because it is not used directly by PGFs and it will be distributed internal and external to System/GS with a filename defined in the OGS filenaming convention; 4. Section 2.3.2: In RO BUFR filename the Instance_id subfield “CCC” has been updated to be aligned with the parent product update; 5. Table 8: Product Types for POS4 L2P/L3 HR: removed the TBC for Wave products; 6. Updated the Appendices containing filename examples; 7. The field <source> in Table 4 regarding the Identifier of the Generating Centres for the Auxiliary Data File has been updated including the ID = EUM with a restriction in the associated Note. Also the flag “FDF_” is removed because at System level all the auxiliary files generated by each of MOC sub-component will be flagged more generally by “MOC_” as provider; <p>Second DCR:</p> <ol style="list-style-type: none"> 8. Updated the signature table. 9. Included in Table 4 in <source> field the flag “UNIB” for those POD Auxiliary Data Files required for

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Version	Version Date (as on profile)	DCR* No. if applicable	Description of Changes
			<p>running the POD processor (Bernese s/w) in RO NTC processing chain.</p> <p>10. Reworded the rule to fill the <class_id>: “NNN” in Table 4 for the Dynamic Auxiliary files, including as possible choice the versioning number if necessary instead of by default 3 underscores.</p> <p>11. Included the new paragraph 2.5 defining the Logical File Name for Reports files generated by L0, ALT and AMR-C Operational Processors.</p> <p>12. Updated 1.6 Document Structure, Document titles, typos removed.</p> <p>13. Included Appendix D reporting report filenames examples.</p> <p>14. Update of the description of the OI-5 in Table 3. The definition of product_type for ALT L2P/L3 LR is still under discussion.</p> <p>15. Included a footnote in paragraph 2.3.1 clarifying the generation of RO BUFR NRT under US partner’s responsibility.</p> <p>16. Removed in Table 7 the convention for HRMR auxiliary file, item also removed from EUM-JPL ICD v4D.</p> <p>17. Modified the “Instance ID” for the RO L1b NTC instrument data products, field “DDDD”;</p> <p>18. Improved the explanation concerning the use of the flag “EUM_” in Table 4, field <source>, for the identification of the generating centres for the auxiliary data files;</p>
V4A	16/11/2020	JCS_DCR_457	<p>1. Updated section 2.4.2, L2P/L3 Product Types in-line with agreed baseline: added LR Sea Level Products NTC and LR Wave/Wind Products;</p>

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<i>Version</i>	<i>Version Date (as on profile)</i>	<i>DCR* No. if applicable</i>	<i>Description of Changes</i>
		JCS_DCR_469	<ol style="list-style-type: none">2. Updated section 2.4.1: added a new product_type for the auxiliary file "AMR-C Wrapper configuration";3. Added a new flag in Table 4 for CPOD Service as identifier of generating Centres for the Auxiliary Data File in <source> field;

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1 INTRODUCTION

1.1 Purpose and Scope

This document is the Generic File Naming Convention adopted by the Jason-CS/Sentinel-6 Payload Data Acquisition and Processing (PDAP) facility for the following data classes:

– **Instrument data products**, including:

- **Level-0 products**, generated from the acquired Instrument Source Packets (ISP) – including House Keeping Telemetry, Navigation and Attitude data – and used for higher level processing and for long term archiving. All ISPs are generated by the instrument in any instrument mode (measurement modes, calibration modes and special modes only used during commissioning, where applicable);
- **Higher level data products**, generated from Level-0 products according to the available products portfolio.
- **Internal products**, the L2 internal products generated from Level-1 products according to the available products portfolio for Altimeter and AMR-C.

– **Auxiliary data**, generic term covering several data categories used in the products processing steps at the PDAP, either of static or dynamic nature, from sources either internal or external to the Sentinel-6 System, required to process, calibrate or improve the payload science data.

The text in this document shall be considered as specifying file naming convention applicable to all Sentinel-6/Jason-CS products/auxiliary files.

The document may be updated to reflect incoming needs identified during the development of product specifications and PDAP Facility.

1.2 Applicable Documents

None

1.3 Reference Documents

Table 1: Reference documents

Acronym	Document Title	Reference number
[GTA]	Sentinel-6 Glossary of Terms and Acronyms Document	EUM/LEO-JASCS/DEF/13/695184
[GPFS]	Jason-CS_Sentinel-6 Generic Product Format Specification (GPFS)	EUM/LEO-JASCS/SPE/17/897975

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[GADS]	Jason-CS_Sentinel-6 Generic Auxiliary Data Specification (GADS)	EUM/LEO-JASCS/SPE/17/899450
[L0PFS]	Sentinel-6/Jason-CS Level 0 Product Format Specification (L0 PFS)	EUM/LEO-JASCS/SPE/17/898270
[ALT-L1PFS]	Jason-CS_Sentinel-6 ALT Level 1 Product Format Specification (L1 ALT PFS)	EUM/LEO-JASCS/SPE/17/899201
[ALT-L2PFS]	Jason-CS_Sentinel-6 ALT Level 2 Product Format Specification (L2 ALT PFS)	EUM/LEO-JASCS/SPE/17/901187
[RO-L1PFS]	Jason-CS/Sentinel-6 RO Level 1B Product Format Specification	EUM/LEO-JASCS/SPE/16/882399
[ALT-L1ADS]	Jason-CS_Sentinel-6 Altimeter Level 1 Auxiliary Data Specifications (L1 ALT ADS)	EUM/LEO-JASCS/SPE/17/899679
[ALT-L2ADS]	Jason-CS_Sentinel-6 Altimeter Level 2 Auxiliary Data Specifications (L2 ALT ADS)	EUM/LEO-JASCS/SPE/17/900471
[RO-L1ADS]	Jason-CS/Sentinel-6 RO Level 1B Auxiliary Data Specification	EUM/LEO-JASCS/SPE/16/882105
[GSNC]	Jason-CS Ground Segment Naming Convention Document	EUM/LEO-JASCS/SPE/16/893539
[AMR-PFS]	Sentinel-6 AMR Science Data Product Description Document	JPL D-97812
[WMO]	<p>“ROM SAF, CDOP-2, WMO FM94 (BUFR) Specification For Radio Occultation Data, Issue 2.3, 3. September 2013”</p> <p>Manual on Codes International Codes Volume I.2 Annex II to the WMO Technical Regulations Part B – Binary Codes Part C – Common Features to Binary and Alphanumeric Codes WMO-No. 306 2015 edition</p> <p>TCP/IP procedures and applications, including filenaming – File naming convention</p>	<p>SAF/ROM/METO/FMT/BUFR/0012013</p> <p>https://library.wmo.int/pmb_ged/wmo_306-I2_en.pdf</p> <p>https://www.wmo.int/pages/prog/ww/TEM/ICT-ISS2006/Doc31(1)_filenaming.doc</p>

1.4 Conventions and Terminology

Generic terms and definitions applicable to the Jason-CS Programme can be found in [GTA] Furthermore, Table 2 reports for additional explanation.

Table 2: Acronym and terminology

<i>Acronym</i>	<i>Meaning</i>
ADF	Auxiliary Data File
ADS	Auxiliary Data Specification – A document describing the detailed format and content of auxiliary data required in input and generated in output by one or more Product Generation Functions. Applicable to L1/L2 Product Generation Functions.
ALT	Altimeter
AMR-C	Advanced Microwave Radiometer
BUFR	Binary Universal Form for the Representation of meteorological data
GPFS	Generic Product Format Specification
HRMR	High Resolution Microwave Radiometer
OPE	Operational – the OPE environment Platform used to conduct the operations – System Operations, PDAP and Space and Ground Segment Management.
VAL	Validation – the VAL environment acts as a reference platform fully representative of the operational environment. It supports integration and verification of SW, HW, configuration updates prepared in the Development environment before their deployment in Operation.
DEV	Development – The DEV environment designates the set of machines and tools supporting the development and maintenance of the ground segment software, including scientific algorithms, in a configuration controlled context. It includes the execution functions needed to be able to run the algorithms for test purpose (e.g. using historical datasets), also capable of running faster than real time for fast validation of algorithms. It is made of the development tools from the various facilities of the ground segment.
DEP	Deployment – The DEP environment supports the Configuration Management functions related to Master CI Repositories and deployment of Cis on to all other environments at the MCC and BUCC.
REP	Reprocessing – The REP environment designates the part of the Ground Segment that is used to perform Jason-CS/S6 data reprocessing, containing a scalable subset of the OPE hardware and software.
Orbit	An Orbit is one circuit of the earth by the satellite as measured from one ascending node crossing to the next. An ascending node occurs when the sub satellite point crosses the earth’s equator going from south to north. A Revolution (REV) is synonymous with orbit.

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Pass	A Pass is half a revolution of the earth by the satellite from extreme latitude to the opposite extreme latitude. For Jason-CS, an Ascending Pass begins at the latitude -66.039 deg and ends at +66.039 deg. A Descending Pass is the opposite (+66.039 deg to -66.039 deg). The passes are numbered from 1 to 254 representing a full repeat cycle of the Jason-CS ground track. Ascending passes are odd numbered and descending passes are even numbered.
Cycle	A cycle is defined as a complete geographical coverage set of the Earth with start and end points marked by successive overflights of the same geographical location. For Jason-CS a complete cycle is constituted by 127 revolutions, approximately every 9.9 days.
PGF	Product Generation Function
NRT	Near Real Time
NTC	Non Time Critical
STC	Short Time Critical
RO	Radio Occultation
TBC	To Be Confirmed
TBD	To Be Defined
TBW	To Be Written

1.5 Open Issues

Specific open issues are identified with TBD/TBC/TBW labels in the document. They are listed in the table below with their expected date of resolution.

Table 3: Open Issues

ID	Section	Type	Description	Date of resolution
OI-1	1.2	TBW	RD documents for AMR-C	Closed
OI-2	2.1	TBC	“OSCE_AX” = Orbit Scenario File	Closed
OI-3	2.1	TBD	“XXX_” = GNSS-RO TM_1 and TM_2	Closed
OI-4	2.3.2	TBW	Radio Occultation BUFR filename	Closed
OI-5	2.4.2	TBC	The file naming convention for the new ALT L2P and L3 Wave for HR products has been confirmed with CNES (Table 8). The product_type for LR products is still under discussion and will be defined in the next version of GFNC.	V4 (HR) Closed V4A (LR)

1.6 Document Structure

This document is organized as follows:

Section 1 General information (this section)

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- Section 2 The naming convention applicable to all Jason-CS/Sentinel-6 Product Files and Auxiliary Data Files is described. The logical filename for L2 internal product files inside the SAFE package is also defined. Furthermore, the logical filename for Altimeter and Radio Occultation BUFR products is provided.
- Appendix A Examples of product and auxiliary filenames are provided
- Appendix B Examples of internal products filenames are provided
- Appendix C Examples of BUFR filenames are provided
- Appendix D Examples of Report filenames are provided

2 SENTINEL-6 FILE NAMING

This section defines the naming convention that is applicable to all Jason-CS/S6 Product Files and Auxiliary Data Files.

Both products and auxiliary data files shall be named using a fixed set of elements, each of fixed size. The file naming convention for S6 product is identified by the sequence of fields described here below:

```
MMM_SS_LL_TTTTTT_<start_time>_<end_time>_<generation_time>_<instance_id>_<source>_<environment>_<class_id>.<extension>
```

The filenaming convention for internal measurement files inside the Altimeter and Microwave Radiometer L2 products is identified by the following sequence reported in the following:

```
MMM_SS_LL_TTTTTT_<timeliness>_<cycle>_<pass>_<start_time>_<end_time>_<baseline>.<extension>
```

The above fields constitute the smaller set of information ensuring that the file name of each internal measurement file is unique, within the context of Jason-CS/S6 PDAP Facility.

The part in brackets indicates that the relevant field content can vary by case as described in the following table.

Table 4 provides the list of elements, which constitute the logical file name with their size in characters and a description of their content.

NOTE1: The list is not exhaustive; data types may be modified and/or added.

NOTE2: All products/auxiliary files following the filenaming convention defined in this document will be circulated internally to EUMETSAT Ground Segment and externally to the Partners, as specified in the dedicated ICDs, in tar format.

This implies that at the end of the filename hereafter defined, the following will be added to the product/auxiliary filenames (with the exception of the internal filenames):

“.tar” (4 lowercase chars)

Therefore, the filename during the transfer will be as follow:

```
MMM_SS_LL_TTTTTT_<start_time>_<end_time>_<generation_time>_<instance_id>_<source>_<environment>_<class_id>.<extension>.tar
```

2.1 Logical file name for Products and Auxiliary Data Files

Table 4: Logical Filename Elements

Naming Element	Size in Char.	Description
MMM	3	<p>Mission ID</p> <p>Consists of 3 characters, either uppercase letters or digits or underscore.</p> <p>S6A = Sentinel-6A S6B = Sentinel-6B S6_ = Common to Sentinel-6A and Sentinel-6B</p>
SS	2	<p>Data source/consumer</p> <p>Consists of 2 uppercase letters.</p> <p>This field indicates the data source of the instrument data or the data consumer of the auxiliary data:</p> <p>P4 = POSEIDON-4: Radar Altimeter DO = DORIS receiver MW = AMR-C: Advanced Microwave Radiometer GN = GNSS-POD receiver ST = Star Tracker RO = GNSS-RO receiver TM = House Keeping Telemetry, Navigation and Attitude information AX = for multi instrument auxiliary data</p>
LL	2	<p>Processing Level: Identifier of Product Generation Function</p> <p>Consists of 2 digits or 1 digit plus 1 underscore (“_”) or 2 underscores “__” if processing level is not applicable.</p> <p>This field can indicate the instrument data product processing stage or the processing level of applicability for the auxiliary file. (The content between brackets represents possible values, defined until now, for the second digit in LL field).</p> <p>“0_” = Level 0 “1[“_”, “A”, “B”, ...]” = Level 1 “2[“_”, “A”, “B”, “P”, “W”, ...]” = Level 2 “3[“_”, “W”, ...]” = Level 3 “__” = Common to Level 1 and Level 2 for auxiliary files</p>
TTTTTTT	7	Data Type ID

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	<p>Consists of 7 characters, either uppercase letters or digits or underscores “_”.</p> <p>The suffix “AX” in the last 2 digits indicates an auxiliary data.</p> <p>NOTE: The following list of Data Type ID for the Instrument Data is not complete and it is subject to updates.</p> <p>For the exhaustive list of data types please refer to the documents listed in Table 1, accordingly to each instrument, i.e. L1 and L2 PFS documents, or the generic product format specifications GPFS.</p> <p><i>POSEIDON 4 data</i></p> <p>“ACQ____” = P4 observation data to monitoring the acquisition phase</p> <p>“LR____” = P4 observation data for LRM (L0, L1B and L2)</p> <p>“HR____” = P4 observation data for SAR RAW plus RMC (L0, L1A, L1B and L2)</p> <p>“CAL____” = P4 calibration data (L0 and L1B)</p> <p><i>AMR-C data</i></p> <p>“AMR____” = Wrapped TM packet for AMR-C TM packets (L0, L1B, L2)</p> <p><i>RO data</i></p> <p><u>Level 0 RO data</u></p> <p>“GNSSO__” = GNSS-RO TM_1 and TM_2</p> <p><u>Level 1 RO data</u></p> <p>“BND____” = Global bending angle from a single occultation in netCDF-4 format</p> <p>“BUF____” = Global bending angle from a single occultation in BUFR format</p> <p><i>DORIS data</i></p> <p><u>Level 0 DORIS data</u></p> <p>“NAV____” = Telemetry source packets</p> <p>“DOP____” = Telemetry source packets</p> <p><i>GNSS data</i></p> <p><u>Level 0 GNSS data</u></p> <p>“GNS____” = Telemetry source packets</p> <p><i>Star Tracker data</i></p>
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		<p><u>Level 0 Star Tracker data</u></p> <p>“STR____” = Star Tracker source packets</p> <hr/> <p><u>NAVATT data</u></p> <p><u>Level 0 NAVATT data</u></p> <p>“NAT____” = Telemetry source packets (navigation and attitude)</p> <hr/> <p><u>HKTM data</u></p> <p><u>Level 0 HKTM data</u></p> <p>“HKM____” = House Keeping Telemetry source packets.</p> <p>NOTE: The list of Data Type ID for the Auxiliary Data is not exhaustive and is only meant to provide some indicative examples. For the exhaustive list of data types please refer to the documents listed in Table 1, accordingly to each instrument, i.e. L1 and L2 ADS documents, or the generic auxiliary format specifications GADS.</p> <p>Examples of auxiliary files used at different processing levels and common to different instruments and processors are reported below:</p> <p>Aux files used for ALT Level 1 processing:</p> <p>“PTFA_AX” = Platform Data File</p> <p>“USO_AX” = USO Drift File</p> <p>Common aux files</p> <p>“PREO_AX” = Predicted Orbit File</p> <p>“RESO_AX” = Restituted Orbit File</p> <p>“MOED_AX” = DORIS Medium-precision Orbit Ephemeris (MOE)</p> <p>“MOEG_AX” = GNSS Medium-precision Orbit Ephemeris (MOE)</p> <p>“POE_AX” = Precise Orbit Ephemeris (POE)</p> <p>“MHF_AX” = Manoeuvre History File</p> <p>“SMR_AX” = Satellite Mass Report</p> <p>For the Radio Occultation (RO) L1b NTC processing:</p> <p>“GORG_AX” = GPS Orbits</p> <p>“GCBG_AX” = GPS Clock Biases</p> <p>“GNBC_AX” = GPS C/A Navigation Bit Data Stream</p> <p>“GNBR_AX” = GLONASS Navigation Bit Data Stream</p> <p>“EOP_AX” = Earth Orientation Parameters</p> <p>“GSA_AX” = GNSS Service Auxiliary</p>
<start_time>	15	Data Start Time

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		<p>Consists of 15 characters, either uppercase letters or digits.</p> <p>yyyyMMddThhmmss</p> <p>The following date and time format is applicable as:</p> <ul style="list-style-type: none"> ▪ Sensing time for the instrument data products ▪ Validity time for the auxiliary Data <p>Format:</p> <ul style="list-style-type: none"> ▪ 8 characters, all digits, for the date “yyyyMMdd”, year, month, day ▪ 1 uppercase T: “T”, time ▪ 6 characters, all digits, for the time: “hhmmss”, hour, minutes, seconds
<end_time>	15	<p>Data End Time</p> <p>Consists of 15 characters, either uppercase letters or digits.</p> <p>yyyyMMddThhmmss</p> <p>The following date and time format is applicable as:</p> <ul style="list-style-type: none"> ▪ Sensing time for the instrument data products ▪ Validity time for the auxiliary Data (See the Note below) <p>Format:</p> <ul style="list-style-type: none"> ▪ 8 characters, all digits, for the date “yyyyMMdd”, year, month, day ▪ 1 uppercase T: “T” ▪ 6 characters, all digits, for the time: “hhmmss”, hour, minutes, seconds <p>Note: When the “End Validity Time” for static auxiliary files cover all mission life, this field has to be filled with a valid date far in the future as shown in the example below:</p> <p>yyyyMMddThhmmss = <20991231T235959></p>
<generation_time>	15	<p>Data Generation Time</p> <p>Consists of 15 characters, either uppercase letters or digits and is applicable both to the Instrument Data Products and the Auxiliary Data.</p> <p>yyyyMMddThhmmss</p> <p>The following format is applied:</p> <ul style="list-style-type: none"> ▪ 8 characters, all digits, for the date “yyyyMMdd”, year, month, day; ▪ 1 uppercase T: “T” ▪ 6 characters, all digits, for the time: “hhmmss”, hour, minutes, seconds
<instance_id>	16	<p>The field consists of 16 characters, either uppercase letters or digits or underscores “_”.</p> <p>DDDD_CCC_PPP_RRR</p>

Jason-CS/Sentinel-6 Generic File Naming Convention (GFNC)

1. Instance ID for the instrument data products

Identifier	Size	Meaning
DDDD	4 digits	Duration: orbit duration; sensing data time interval in seconds
CCC	3 digits	Cycle: cycle number at the start sensing time of the product
PPP	3 digits	Pass number in the cycle: relative pass number (Ascending passes are odd numbered and descending passes are even numbered (1-254)) at the start sensing time of the product
RRR	3 digits	Relative orbit: relative orbit number within the cycle at the start sensing time of the product (1-127)

In addition, 3 digits “_” for field separators.

To be noted that the <instance_id> is only included in the RO L0 products for consistency with the ALT L0 products, but it is not used for RO processing and also not necessarily meaningful in the RO context.

For this reason **only for RO L0**, this field can be also replaced by 16 “_” (underscores).

2. Instance ID for the RO L1b NTC instrument data products

Identifier	Size	Meaning								
DDDD	1 char + 2 digits + 1 underscore	Occulting GNSS Satellite: identifies the occulting GNSS satellite, using a character of either G (GPS), R (GLONASS), E (Galileo) and a 2 digit GNSS satellite ID and 1 underscore.								
CCC	2 chars + 1 underscore	<p>Quality Information: The first C is reporting quality info for the instrument data, the second C for the L1B product and the third is “_”.</p> <p>The possible values are</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>N</td> <td>Nominal</td> </tr> <tr> <td>I</td> <td>Incomplete</td> </tr> <tr> <td>D</td> <td>Degraded</td> </tr> </tbody> </table> <p>The possible combinations are: “NN_”, “ND_”, “NI_”, “DD_”, “DI_”, “II_”</p>	Value	Meaning	N	Nominal	I	Incomplete	D	Degraded
Value	Meaning									
N	Nominal									
I	Incomplete									
D	Degraded									

All other fields (PPP, RRR) are set to underscores (in total 8 “_” = 6 “_” for the unused fields + 2 “_” for field separators).

Jason-CS/Sentinel-6 Generic File Naming Convention (GFNC)

		<p>3. Instance ID for auxiliary data: 16 underscores “_”</p>																																										
<source>	4	<p>Source: Data Provider Consists of 4 chars, uppercase letters and/or underscores.</p> <p>NOTE: The list is not exhaustive at this stage - to be completed when sources are identified in the Ground Segment design.</p> <table border="1" data-bbox="587 622 1385 846"> <thead> <tr> <th>Identifier</th> <th>Generating Centres for the Instrument data product</th> </tr> </thead> <tbody> <tr> <td>“EUM_”</td> <td>EUMETSAT</td> </tr> <tr> <td>“JPL_”</td> <td>Jet Propulsion Laboratory</td> </tr> <tr> <td>“CNES”</td> <td>Centre national d'études spatiales</td> </tr> </tbody> </table> <table border="1" data-bbox="587 909 1385 1989"> <thead> <tr> <th>Identifier</th> <th>Generating Centres for the Auxiliary Data File</th> </tr> </thead> <tbody> <tr> <td>“PGF_”</td> <td>Product Generating Function</td> </tr> <tr> <td>“EUM_”</td> <td>EUMETSAT Note: This flag is applicable only to the auxiliary files generated and/or maintained by EUMETSAT with the exception of those aux files generated by the operational processors (PGFs), for which a dedicated flag is specified in this table.</td> </tr> <tr> <td>“UNIB”</td> <td>University of Bern</td> </tr> <tr> <td>“CALV”</td> <td>Cal/Val</td> </tr> <tr> <td>“CPOD”</td> <td>Copernicus Precise Orbit Determination (Service)</td> </tr> <tr> <td>“SALP”</td> <td>SALP/CNES</td> </tr> <tr> <td>“ECMW”</td> <td>European Centre for Meteorological Weather Forecast (ECMWF)</td> </tr> <tr> <td>“MOC_”</td> <td>Mission Operations Component</td> </tr> <tr> <td>“NASA”</td> <td>National Aeronautics and Space Administration</td> </tr> <tr> <td>“JPL_”</td> <td>Jet Propulsion Laboratory</td> </tr> <tr> <td>“USNO”</td> <td>U.S. Naval Observatory</td> </tr> <tr> <td>“NOAA”</td> <td>National Oceanic and Atmospheric Administration</td> </tr> <tr> <td>“GDGS”</td> <td>JPL Global Differential GPS (GDGPS) System</td> </tr> <tr> <td>“GCDN”</td> <td>JPL Global Differential GPS (GDGPS) System - Aurora (Denver)</td> </tr> <tr> <td>“GCLA”</td> <td>JPL Global Differential GPS (GDGPS) System - Pasadena (Los Angeles)</td> </tr> <tr> <td>“IGS_”</td> <td>International GNSS Service</td> </tr> </tbody> </table>	Identifier	Generating Centres for the Instrument data product	“EUM_”	EUMETSAT	“JPL_”	Jet Propulsion Laboratory	“CNES”	Centre national d'études spatiales	Identifier	Generating Centres for the Auxiliary Data File	“PGF_”	Product Generating Function	“EUM_”	EUMETSAT Note: This flag is applicable only to the auxiliary files generated and/or maintained by EUMETSAT with the exception of those aux files generated by the operational processors (PGFs), for which a dedicated flag is specified in this table.	“UNIB”	University of Bern	“CALV”	Cal/Val	“CPOD”	Copernicus Precise Orbit Determination (Service)	“SALP”	SALP/CNES	“ECMW”	European Centre for Meteorological Weather Forecast (ECMWF)	“MOC_”	Mission Operations Component	“NASA”	National Aeronautics and Space Administration	“JPL_”	Jet Propulsion Laboratory	“USNO”	U.S. Naval Observatory	“NOAA”	National Oceanic and Atmospheric Administration	“GDGS”	JPL Global Differential GPS (GDGPS) System	“GCDN”	JPL Global Differential GPS (GDGPS) System - Aurora (Denver)	“GCLA”	JPL Global Differential GPS (GDGPS) System - Pasadena (Los Angeles)	“IGS_”	International GNSS Service
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Jason-CS/Sentinel-6 Generic File Naming Convention (GFNC)

		<table border="1" data-bbox="587 241 1385 309"> <tr> <td data-bbox="587 241 746 309">“IERS”</td> <td data-bbox="746 241 1385 309">International Earth Rotation and Reference Systems Service</td> </tr> </table> <p data-bbox="539 342 783 409">If not applicable: 4 underscores “_____”</p>	“IERS”	International Earth Rotation and Reference Systems Service												
“IERS”	International Earth Rotation and Reference Systems Service															
<environment>	3	<p data-bbox="539 470 1054 499">Environments at MCC and at External Sites</p> <p data-bbox="539 510 1090 539">Consists of 3 chars, uppercase letter or underscore.</p> <table border="1" data-bbox="587 589 1289 898"> <thead> <tr> <th data-bbox="587 589 738 640">Identifier</th> <th data-bbox="738 589 1289 640">Meaning</th> </tr> </thead> <tbody> <tr> <td data-bbox="587 640 738 685">OPE</td> <td data-bbox="738 640 1289 685">Operational</td> </tr> <tr> <td data-bbox="587 685 738 730">VAL</td> <td data-bbox="738 685 1289 730">Validation</td> </tr> <tr> <td data-bbox="587 730 738 775">DEV</td> <td data-bbox="738 730 1289 775">Development</td> </tr> <tr> <td data-bbox="587 775 738 819">DEP</td> <td data-bbox="738 775 1289 819">Deployment</td> </tr> <tr> <td data-bbox="587 819 738 864">REP</td> <td data-bbox="738 819 1289 864">Reprocessing</td> </tr> <tr> <td data-bbox="587 864 738 898">“_”</td> <td data-bbox="738 864 1289 898">data received from external providers</td> </tr> </tbody> </table> <p data-bbox="539 949 1394 1050">NOTE: the 3 underscores are used as reference for environments external to EUMETSAT. For this reason they are expected to be used for the products and auxiliary files received from external providers.</p>	Identifier	Meaning	OPE	Operational	VAL	Validation	DEV	Development	DEP	Deployment	REP	Reprocessing	“_”	data received from external providers
Identifier	Meaning															
OPE	Operational															
VAL	Validation															
DEV	Development															
DEP	Deployment															
REP	Reprocessing															
“_”	data received from external providers															
<class_id>	6	<p data-bbox="539 1133 1203 1162">Timeliness and processing baseline /version or data usage</p> <p data-bbox="539 1173 1326 1202">Consists of 6 characters, either uppercase letters or digits or underscores.</p> <p data-bbox="539 1261 986 1290"><u>1. class ID for instrument data products</u></p> <p data-bbox="582 1348 778 1377">XX_NNN, where</p> <p data-bbox="582 1391 1382 1453">XX = 2 uppercase letters/digits indicating the timeliness of the processing workflow.</p> <table border="1" data-bbox="587 1503 1345 1756"> <thead> <tr> <th data-bbox="587 1503 855 1547">Identifier</th> <th data-bbox="855 1503 1345 1547">Meaning</th> </tr> </thead> <tbody> <tr> <td data-bbox="587 1547 855 1592">NR</td> <td data-bbox="855 1547 1345 1592">NRT</td> </tr> <tr> <td data-bbox="587 1592 855 1637">ST</td> <td data-bbox="855 1592 1345 1637">STC</td> </tr> <tr> <td data-bbox="587 1637 855 1682">NT</td> <td data-bbox="855 1637 1345 1682">NTC</td> </tr> <tr> <td data-bbox="587 1682 855 1727">ND</td> <td data-bbox="855 1682 1345 1727">Non Real Time Dump (Archive Dump)</td> </tr> <tr> <td data-bbox="587 1727 855 1756">“_”</td> <td data-bbox="855 1727 1345 1756">2 underscores if not relevant</td> </tr> </tbody> </table> <p data-bbox="582 1807 1410 1908">NNN = 3 letters/digits. Free text for indicating the processing baseline (F00, F01, F02, R01, R02...) or data usage (e.g. test, SVT, GSV, TST, etc) or 3 underscores “_” if not relevant.</p> <p data-bbox="582 1921 1442 2022">To be noted that for L0 products there is not processing baseline and the concept of reprocessing is not applicable to them. For this reason, this sub-field is set to “_” (3 underscores).</p>	Identifier	Meaning	NR	NRT	ST	STC	NT	NTC	ND	Non Real Time Dump (Archive Dump)	“_”	2 underscores if not relevant		
Identifier	Meaning															
NR	NRT															
ST	STC															
NT	NTC															
ND	Non Real Time Dump (Archive Dump)															
“_”	2 underscores if not relevant															

Jason-CS/Sentinel-6 Generic File Naming Convention (GFNC)

Identifier	Meaning
[F00, F01, F02...]	Processing baseline for Altimeter
[R00, R01, R02...]	Processing baseline for Radio Occultation
“TST”, “GSV”, “SVT”, etc ...	Acronyms for internal Test, Ground Segment Validation tests, System Verification Test, etc
“ ___ ”	3 underscores if not relevant

If not applicable:

6 underscores “ _____ ”

Note: the “processing baseline” parameter is related to the combination of processor version, auxiliary data versions, and configuration updates. The first letter is a “major version number”, the following digits “minor version number”. For the Altimeter, we consider starting with “F00” for GDR-F standards.

2. class ID for auxiliary data

XX_NNN, where

XX = 2 uppercase letters/digits indicating the applicability of the file in terms of timeliness.

Identifier	Meaning
NR	NRT (Near Real Time)
ST	STC (Short Time Critical)
NT	NTC (Non Time Critical)
SN	for files used on both STC & NTC
NS	for files used on both NRT & STC
NN	for files used on both NRT & NTC
AL	for files used for NRT & STC & NTC
“ ___ ”	2 underscores if not relevant

NNN = 3 letters/digits. Free text for identifying the file versioning (001, 002 ...) or data usage (e.g. TST, GSV, etc) or 3 underscores “ ___ ” if not relevant.

Identifier	Meaning
[000, 001, 002...]	File version. This field is mandatory for all Static Auxiliary files.

Jason-CS/Sentinel-6 Generic File Naming Convention (GFNC)

		<table border="1"> <tr> <td>“TST”, “GSV”, “SVT”, etc ...</td> <td>Acronyms for internal Test, Ground Segment Validation tests, System Verification Test, etc</td> </tr> <tr> <td>“ _____ ”</td> <td>By default 3 underscores for all Dynamic Auxiliary files or if not relevant unless it is necessary to include a versioning number</td> </tr> </table> <p>If not applicable: 6 underscores “ _____ ”</p>	“TST”, “GSV”, “SVT”, etc ...	Acronyms for internal Test, Ground Segment Validation tests, System Verification Test, etc	“ _____ ”	By default 3 underscores for all Dynamic Auxiliary files or if not relevant unless it is necessary to include a versioning number
“TST”, “GSV”, “SVT”, etc ...	Acronyms for internal Test, Ground Segment Validation tests, System Verification Test, etc					
“ _____ ”	By default 3 underscores for all Dynamic Auxiliary files or if not relevant unless it is necessary to include a versioning number					
<extension>	4	<p>Representation of data</p> <p>Consists of 3 chars (uppercase letters) and 1 digit.</p> <p>“SEN6” = package containing the complete Product and ADF (Manifest and Data File(s))</p>				

2.2 Logical File Name for Internal Measurements File(s)

A subset of the directory name has been selected to create the filename for internal measurement files inside the SAFE product folder generated for **L2 Altimeter** and **Microwave Radiometer**.

Table 5: Logical Filename for Internal Measurements files(s)

Naming Element	Size in Char.	Description
MMM	3	<p>Mission ID</p> <p>Consists of 3 characters, either uppercase letters or digits or underscore.</p> <p>S6A = Sentinel-6A S6B = Sentinel-6B</p>
SS	2	<p>Data source</p> <p>Consists of 2 uppercase letters.</p> <p>This field indicates the data source of the instrument data</p> <p>P4 = POSEIDON-4: Radar Altimeter MW = AMR-C: Advanced Microwave Radiometer</p>
LL	2	<p>Processing Level: Identifier of Product Generation Function</p> <p>Consists of 2 digits or 1 digit plus 1 underscore (“_”) or 2 underscores “__” if processing level is not applicable.</p> <p>This field indicates the instrument data product processing stage.</p> <p>“2[“_”,...]” = Level 2</p>
TTTTTTT	7	<p>Data Type ID</p> <p>Consists of 7 characters, either uppercase letters or digits or underscores “_”.</p> <p><i>NOTE: The following list of Data Type ID for the Internal measurement files might be subject to updates.</i></p> <p><i>For the complete list of products including more internal measurement files types please refer to the PFS documents listed in Table 1, accordingly to each instrument</i></p> <p>POSEIDON 4 data</p> <p>“LR_RED_” = P4 observation data for L2: “reduced” “LR_STD_” = P4 observation data for L2: “standard” “HR_RED_” = P4 observation data for L2: “reduced” “HR_STD_” = P4 observation data for L2: “standard”</p>

Jason-CS/Sentinel-6 Generic File Naming Convention (GFNC)

<i>AMR-C data</i>												
		<p>“AMR_____” = AMR-C observation data for L2</p>										
<timeliness>	2	<p>Timeliness Consists of 2 characters, uppercase letters.</p> <p>XX = 2 uppercase letters indicating the timeliness of the processing workflow.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Identifier</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>NR</td> <td>NRT</td> </tr> <tr> <td>ST</td> <td>STC</td> </tr> <tr> <td>NT</td> <td>NTC</td> </tr> <tr> <td>ND</td> <td>Non Real Time Dump (Archive dump)</td> </tr> </tbody> </table>	Identifier	Meaning	NR	NRT	ST	STC	NT	NTC	ND	Non Real Time Dump (Archive dump)
Identifier	Meaning											
NR	NRT											
ST	STC											
NT	NTC											
ND	Non Real Time Dump (Archive dump)											
<cycle>	3	<p>Cycle number It is the cycle number at the start sensing time of the product. The field consists of 3 digits. CCC= [001, 002, ...]</p>										
<pass>	3	<p>Pass number It is the Pass number in the cycle: relative pass number at the start sensing time of the product. The field consists of 3 digits. PPP Ascending passes are odd numbered and descending passes are even numbered (001-254)</p>										
<start_time>	15	<p>Data Start Time Consists of 15 characters, either uppercase letters or digits. yyyyMMddThhmmss</p> <p>The following date and time format is applicable as:</p> <ul style="list-style-type: none"> ▪ Sensing time for the instrument data products <p>Format:</p> <ul style="list-style-type: none"> ▪ 8 characters, all digits, for the date “yyyyMMdd”, year, month, day ▪ 1 uppercase T: “T”, time ▪ 6 characters, all digits, for the time: “hhmmss”, hour, minutes, seconds 										
<end_time>	15	<p>Data End Time Consists of 15 characters, either uppercase letters or digits. yyyyMMddThhmmss</p> <p>The following date and time format is applicable as:</p>										

Jason-CS/Sentinel-6 Generic File Naming Convention (GFNC)

		<ul style="list-style-type: none"> ▪ Sensing time for the instrument data products Format: <ul style="list-style-type: none"> ▪ 8 characters, all digits, for the date “<i>yyyyMMdd</i>”, year, month, day ▪ 1 uppercase T: “T” ▪ 6 characters, all digits, for the time: “<i>hhmmss</i>”, hour, minutes, seconds 				
<baseline>	3	<p>Processing collection</p> <p>Consists of 3 characters, either uppercase letters or digits or underscores.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Identifier</th> <th style="text-align: center;">Meaning</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">[F00, F01, F02...]</td> <td style="text-align: center;">Processing baseline</td> </tr> </tbody> </table> <p><i>Note: the “processing baseline” parameter, used for reprocessing campaigns, is related to the combination of processor version, auxiliary data versions, and configuration updates. The first letter is a “major version number”, the following digits “minor version number”. We consider starting with “F00” for ALT GDR-F standards.</i></p>	Identifier	Meaning	[F00, F01, F02...]	Processing baseline
Identifier	Meaning					
[F00, F01, F02...]	Processing baseline					
<extension>	2	<p>Representation of Data Format</p> <p>Consists of 2 chars (lowercase letters)</p> <p>“nc” = netCDF format</p>				

2.3 Logical File Name for Product in BUFR format

To cover the needs of the operational community for near real time observations in World Meteorological Organisation (WMO) standardised formats for assimilation in Numerical Weather Prediction (NWP) models a specific product in BUFR format is generated.

The following paragraphs will define the filename used for the archiving and offline distribution to the end users.

2.3.1 Altimeter BUFR filename

For the Altimeter products in BUFR format the filenaming convention is described in the following table and is based on the WMO filenaming convention:

<pflag>_<productidentifier>_<oflag>_<originator>_<start_time>_<proc_baseline>_<cycle>_<pass>_<end_time>.<extension>

The filename format is a predetermined combination of fields, delimited by the _ (underscore) character except for the last field, which is delimited by the “.” (period) character.

To be noted that all the “underscores “_” and the “.” separating the different naming elements are not included in the field descriptions sizes reported in the table below but they have to be taken into account for the full length of the BUFR filename. As the BUFR products are generated for the Altimeter¹ only in near real time, a flag indicating the timeliness is not included in the filename convention.

Table 6: Logical Filename Elements for Altimeter BUFR product

Naming Element	Size in Char.	Description
<pflag>	1	Product flag This field contains 1 characters ‘W’: WMO product identifier. It is a character indicating how to decode the <productidentifier> field.
<productidentifier>	52	Product Identifier is a variable length field containing information that describes the nature of the data in the file. This field consists of 52 characters, where the signs “+”, “-” and “,” are used for concatenation. It is composed by a static part as follow: <location indicator>,<data designator>,<free description>

¹ : Note that RO BUFR data is provided also in near real time, but the responsibility and file naming resides with the US partners.

Jason-CS/Sentinel-6 Generic File Naming Convention (GFNC)

		<p>The fields <location indicator>,<data designator> consist of a fixed set of 40 characters:</p> <p>“XX-EUMETSAT-Darmstadt,SURFACE+SATELLITE,”</p> <p>while <free description> is composed by 12 characters including the symbol “+”:</p> <p><mission> + <product_type></p> <p>Where:</p> <p>3 characters, either uppercase letter or digit, for <mission>:</p> <p>“S6A” = Sentinel-6A “S6B” = Sentinel-6B</p> <p>8 characters, either uppercase letters, digits and the symbol “+”, for <product_type>:</p> <p>“P4+L2+HR” = Altimeter L2 High Resolution “P4+L2+LR” = Altimeter L2 Low Resolution</p>
<oflag>	1	<p>“C” represents at this time the only acceptable value.</p> <p>This field consists of 1 digit (1 uppercase char), indicating how to decode the <originator> field.</p>
<originator>	4	<p>Source: Data Provider</p> <p>This field consists of 4 characters (uppercase chars). It contains information that states where the file originated.</p> <p>“CCCC” = “EUMS” for EUMETSAT</p>
<start_time>	14	<p>Data Start Time</p> <p>This field consists of 14 digits.</p> <p>yyyyMMddhhmmss</p> <p>The following date and time format is applicable as:</p> <ul style="list-style-type: none"> ▪ Sensing time date of 1st product record <p>Format:</p> <ul style="list-style-type: none"> ▪ 8 characters, all digits, for the date “yyyyMMdd”, year, month, day ▪ 6 characters, all digits, for the time: “hhmmss”, hour, minutes, seconds
<proc_baseline>	3	<p>Processing Baseline</p> <p>The field consists of 3 char (letter/digits)</p> <p>Free text for indicating the processing baseline (F00, F01, F02)</p>

Jason-CS/Sentinel-6 Generic File Naming Convention (GFNC)

<cycle>	3	<p>Cycle number It is the Cycle number at the start sensing time of the product The field consists of 3 digits. “CCC” = [001, 002, ...]</p>
<pass>	3	<p>Pass number It is the Pass number in the cycle (relative pass number) The field consists of 3 digits. “PPP” Ascending passes are odd numbered and Descending passes are even numbered (001-254)</p>
<end_time>	14	<p>Data End Time Consists of 14 digits. yyyyMMddhhmmss</p> <p>The following date and time format is applicable as:</p> <ul style="list-style-type: none"> ▪ Sensing time date of last product record <p>Format:</p> <ul style="list-style-type: none"> ▪ 8 characters, all digits, for the date “<i>yyyyMMdd</i>”, year, month, day ▪ 6 characters, all digits, for the time: “<i>hhmmss</i>”, hour, minutes, seconds
<extension>	3	<p>Representation of Data Format Consists of 3 chars (lowercase letters) “bin” = binary format</p>

2.3.2 Radio Occultation BUFR filename

In EUMETSAT NTC Radio Occultation production, it is possible to retrieve optional BUFR files directly from the Archive on-demand.

The EUM RO BUFR product will use the same name of the product as the SAFE folder (*.SEN6), which follow the filenaming convention defined in Section 2.1:

MMM_SS_LL_TTTTTT <start_time>_<end_time>_<generation_time>_<instance_id>_<source>_<environment>_<class_id>.<extension>

but replacing the Product Type ID (*SS_LL_TTTTTT*) with “**RO_1B_BUF_____**” and the internal .nc file name ending (<extension>) with “**.bin**”.

Jason-CS/Sentinel-6 Generic File Naming Convention (GFNC)

Note that BUFR filename is the same of its parent product filename except for the product type and the extension. For this, the <instance_id> field in the BUFR filename follows the new definition of “CCC” subfield as reported in Table 4, <instance_id> definition, in “2. Instance ID for the RO L1b NTC instrument data products” section, as in the example below.

An example of RO BUFR is given in the following:

S6A_RO_1B_BUF____20251025T000000_20251025T000230_20251031T120000_G10_
_NN_____EUM__OPE_NT_R01.**bin**

2.4 Product Type Definition

The term “Product Type” refers to the string of 13 characters extracted from the file name consisting of the three file naming elements and two underscores as “field separator” between the naming elements:

- *Data source/consumer (SS)*
 - *One underscore (_)*
- *Processing Level (LL)*
 - *One underscore (_)*
- *Data File ID (TTTTTTT)*

The group of naming elements that constitute the Product Type are highlighted in the example below for Product (a) and Internal Product (b):

(a)

*MMM_****SS_LL_TTTTTTT****_**<start_time>**_**<end_time>**_**<generation_time>**_**<instance_id>**_**<source>**_**<environment>**_**<class_id>**.**<extension>*

(b)

*MMM_****SS_LL_TTTTTTT****_**<timeliness>**_**<cycle_pass>**_**<data_start_time>**_**<data_end_time>**_**<baseline>**.**<extension>*

2.4.1 Product and Auxiliary Data type definition for AMR-C

The paragraph reports in the Table 7 the specific definition of **Product_Type** and **Auxiliary_Data_Type** for the Microwave Radiometer AMR-C and HRMR radiometer.

Both are strings of 13 characters as defined in Section 2.4

The rules for generating the filenames are the same as described in Section 2.1.

Table 7: Product and Auxiliary Data Types for AMR-C

AMR-C Product	Product_Type
AMR-C L2 Product	MW_2__AMR____
AMR-C Auxiliary files	Auxiliary Data type
Static surface map	MW____MAP__AX
Static Characterization Coefficients	MW____CHD__AX
Dynamic Calibration Coefficients	MW____CAL__AX
AMR-C Wrapper auxiliary file	Auxiliary Data type
AMR-C Wrapper configuration file	MW_2__CONF_AX

The new auxiliary file is not part of the AMRC CFI delivered by JPL. It has been defined to support the needs of the AMR-C Wrapper developed by PDAP Contractor.

2.4.2 Product_type definition for ALT L2P/L3 products

The Table 8 reports the specific definition of **Product_Type** for Altimeter **Level 2P** and **Level 3** products generated by CNES and delivered to EUMETSAT.

Both are strings of 13 characters as defined in Section 2.4. The rules for generating the complete filenames are the same described in Section 2.1.

Table 8: Product Types for POS4 L2P/L3 generated by CNES

POS4 Product	Product_Type
L2P Product (HR Sea Level Anomaly)	P4_2P_HR_____
L2P Wave Product (HR Wind/Significant Wave Height)	P4_2P_HRW_____
L3 Product (HR Sea Level Anomaly)	P4_3__HR_____
L3 Wave Product (HR Wind/Significant Wave Height)	P4_3__HRW_____
L2P Product (LR Sea Level Anomaly)	P4_2P_LR_____
L2P Wave Product (LR Wind/Significant Wave Height)	P4_2P_LRW_____
L3 Product (LR Sea Level Anomaly)	P4_3__LR_____
L3 Wave Product (LR Wind/Significant Wave Height)	P4_3__LRW_____

It is important to notice that the Wind/Wave HR products are not planned to be produced at the initial phase of the Sentinel-6 Mission.

2.4.3 Product_type definition for Products/Auxiliary Files not used by PGFs

The Table 9 contains the definition of the **Product_Type** specific for Products and Auxiliary Files not used by the S6 mission operational processors PGFs (Product Generation Function).

More details about PGFs can be found in the RDs listed in Table 1.

Both are strings of 13 characters as defined in Section 2.4. The rules for generating the complete filenames are the same described in Section 2.1.

Table 9: Product Types for Products/Auxiliary Files not used by PGFs

Products	Product_Type
----------	--------------

Jason-CS/Sentinel-6 Generic File Naming Convention (GFNC)

No products currently defined	none
Auxiliary files	Auxiliary Data type
Daily GNSS POD in RINEX format	GN_1B_RNXD_AX
Hourly GNSS POD in RINEX format	GN_1B_RNXH_AX

2.5 Logical File Name for Reports files generated by L0, ALT and AMR-C Operational Processors

The current paragraph defines the specific filenaming convention for Reports files generated by L0 PGF (all instruments) and Altimeter and AMR-C L1/L2 PGFs.

The following Table 10 contains the rules for generating the complete reports filenames.

Table 10: Logical Filename Elements for ALT/AMR-C Reports

Naming Element	Size in Char.	Description
MMM	3	Mission ID Consists of 3 characters, either uppercase letters or digits or underscore. S6A = Sentinel-6A S6B = Sentinel-6B
SS	2	Data source/consumer Consists of 2 uppercase letters. This field indicates the data source of the instrument data: P4 = POSEIDON-4: Radar Altimeter DO = DORIS receiver MW = AMR-C: Advanced Microwave Radiometer GN = GNSS-POD receiver ST = Star Tracker RO = GNSS-RO receiver TM = House Keeping Telemetry, Navigation and Attitude information
LL	2	Processing Level: Identifier of Product Generation Function Consists of 1 digit plus 1 underscore (“_”). This field can indicate the instrument data product processing stage. “0_” = Level 0

Jason-CS/Sentinel-6 Generic File Naming Convention (GFNC)

		<p>“1_” = Level 1 “2_” = Level 2</p>																														
TTTTTTT	7	<p>Data Type ID</p> <p>Consists of 7 characters, either uppercase letters or digits or underscores “_”.</p> <p>The “product_type” to be used for the Processing Reports generated by the operational processors relevant to all product levels for SS Instruments and LL levels.</p> <p>L0 Processor (all instruments)</p> <table border="1"> <thead> <tr> <th>Product_Type</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ACQ__RP</td> <td>P4 acquisition source packets</td> </tr> <tr> <td>LR__RP</td> <td>P4 low resolution source packets</td> </tr> <tr> <td>HR__RP</td> <td>P4 high resolution (RAW+RMC) source packets</td> </tr> <tr> <td>CAL__RP</td> <td>P4 calibration source packets</td> </tr> <tr> <td>AMR__RP</td> <td>AMR-C radiometer observation and calibration source packets</td> </tr> <tr> <td>NAV__RP</td> <td>DORIS navigation source packets</td> </tr> <tr> <td>DOP__RP</td> <td>DORIS Doppler source packets</td> </tr> <tr> <td>GNS__RP</td> <td>GNSS POD source packets</td> </tr> <tr> <td>GNSSORP</td> <td>GNSS RO source packets</td> </tr> <tr> <td>STR__RP</td> <td>Star Tracker source packets (quaternions)</td> </tr> <tr> <td>HKM__RP</td> <td>House Keeping Telemetry source packets.</td> </tr> <tr> <td>NAT__RP</td> <td>Telemetry source packets (navigation and attitude)</td> </tr> </tbody> </table> <p>Poseidon-4</p> <p>L1 Processor:</p> <table border="1"> <thead> <tr> <th>Product_Type</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>HR__RP</td> <td> <p>L1A product intermediate output of the HR processor (RAW and RMC)</p> <p>L1B HR product (geo-located and fully calibrated multi-looked high-resolution Ku-band waveforms).</p> </td> </tr> </tbody> </table>	Product_Type	Description	ACQ__RP	P4 acquisition source packets	LR__RP	P4 low resolution source packets	HR__RP	P4 high resolution (RAW+RMC) source packets	CAL__RP	P4 calibration source packets	AMR__RP	AMR-C radiometer observation and calibration source packets	NAV__RP	DORIS navigation source packets	DOP__RP	DORIS Doppler source packets	GNS__RP	GNSS POD source packets	GNSSORP	GNSS RO source packets	STR__RP	Star Tracker source packets (quaternions)	HKM__RP	House Keeping Telemetry source packets.	NAT__RP	Telemetry source packets (navigation and attitude)	Product_Type	Description	HR__RP	<p>L1A product intermediate output of the HR processor (RAW and RMC)</p> <p>L1B HR product (geo-located and fully calibrated multi-looked high-resolution Ku-band waveforms).</p>
Product_Type	Description																															
ACQ__RP	P4 acquisition source packets																															
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AMR__RP	AMR-C radiometer observation and calibration source packets																															
NAV__RP	DORIS navigation source packets																															
DOP__RP	DORIS Doppler source packets																															
GNS__RP	GNSS POD source packets																															
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Jason-CS/Sentinel-6 Generic File Naming Convention (GFNC)

		<table border="1"> <tr> <td>LR__RP</td> <td>L1B LR product report</td> </tr> <tr> <td>ACQ__RP</td> <td>Poseidon-4 Acquisition products</td> </tr> <tr> <td>ECHO__RP</td> <td>Report for ECHO CAL L1 products and LTM</td> </tr> <tr> <td>C1HR__RP</td> <td>Report for CAL1 high resolution L1 products and LTM</td> </tr> <tr> <td>C1LR__RP</td> <td>Report for CAL1 low resolution L1 products and LTM</td> </tr> <tr> <td>CAL2__RP</td> <td>Report for CAL2 L1 products and LTM</td> </tr> </table> <p>L2 Processor:</p> <table border="1"> <thead> <tr> <th>Product_Type</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>HR__RP</td> <td>Level 2 product derived either from RAW or RMC, or the combination of both</td> </tr> <tr> <td>LR__RP</td> <td>Level 2 product derived from the LR</td> </tr> </tbody> </table> <p>AMR-C</p> <table border="1"> <thead> <tr> <th>Product_Type</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>AMR__RP</td> <td>AMR-C L2 product</td> </tr> </tbody> </table>	LR__RP	L1B LR product report	ACQ__RP	Poseidon-4 Acquisition products	ECHO__RP	Report for ECHO CAL L1 products and LTM	C1HR__RP	Report for CAL1 high resolution L1 products and LTM	C1LR__RP	Report for CAL1 low resolution L1 products and LTM	CAL2__RP	Report for CAL2 L1 products and LTM	Product_Type	Description	HR__RP	Level 2 product derived either from RAW or RMC, or the combination of both	LR__RP	Level 2 product derived from the LR	Product_Type	Description	AMR__RP	AMR-C L2 product
LR__RP	L1B LR product report																							
ACQ__RP	Poseidon-4 Acquisition products																							
ECHO__RP	Report for ECHO CAL L1 products and LTM																							
C1HR__RP	Report for CAL1 high resolution L1 products and LTM																							
C1LR__RP	Report for CAL1 low resolution L1 products and LTM																							
CAL2__RP	Report for CAL2 L1 products and LTM																							
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LR__RP	Level 2 product derived from the LR																							
Product_Type	Description																							
AMR__RP	AMR-C L2 product																							
<start_time>	15	<p>Data Start Time from the generated product. Consists of 15 characters, either uppercase letters or digits. yyyyMMddThhmmss</p> <p>The following date and time format is applicable as:</p> <ul style="list-style-type: none"> ▪ Sensing time for the instrument data products ▪ Validity time for the auxiliary Data <p>Format:</p> <ul style="list-style-type: none"> ▪ 8 characters, all digits, for the date “yyyyMMdd”, year, month, day ▪ 1 uppercase T: “T”, time ▪ 6 characters, all digits, for the time: “hhmmss”, hour, minutes, seconds <p>NOTE: In case of ALT L1A and ALT L1B products included in the same report, the start time is that provided by ALT L1B product.</p>																						
<end_time>	15	Data End Time from the generated product																						

Jason-CS/Sentinel-6 Generic File Naming Convention (GFNC)

		<p>Consists of 15 characters, either uppercase letters or digits. yyyyMMddThhmmss</p> <p>The following date and time format is applicable as:</p> <ul style="list-style-type: none"> ▪ Sensing time for the instrument data products ▪ Validity time for the auxiliary Data (See the Note below) <p>Format:</p> <ul style="list-style-type: none"> ▪ 8 characters, all digits, for the date “yyyyMMdd”, year, month, day ▪ 1 uppercase T: “T” ▪ 6 characters, all digits, for the time: “hhmmss”, hour, minutes, seconds <p>NOTE: In case of ALT L1A and ALT L1B products included in the same report, the end time is that provided by ALT L1B product.</p>										
<generation_time>	15	<p>Data Generation Time</p> <p>Consists of 15 characters, either uppercase letters or digits and is applicable both to the Instrument Data Products. yyyyMMddThhmmss</p> <p>The following format is applied:</p> <ul style="list-style-type: none"> ▪ 8 characters, all digits, for the date “yyyyMMdd”, year, month, day; ▪ 1 uppercase T: “T” ▪ 6 characters, all digits, for the time: “hhmmss”, hour, minutes, seconds 										
<instance_id>	16	The field consists of 16 underscores “_____”.										
<source>	4	<p>Source: Data Provider</p> <p>Consists of 4 chars, uppercase letters and/or underscores.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Identifier</th> <th>Generating Centre for the Report on data processing</th> </tr> </thead> <tbody> <tr> <td>“EUM_”</td> <td>EUMETSAT</td> </tr> </tbody> </table>	Identifier	Generating Centre for the Report on data processing	“EUM_”	EUMETSAT						
Identifier	Generating Centre for the Report on data processing											
“EUM_”	EUMETSAT											
<environment>	3	<p>Environments at MCC and at External Sites</p> <p>Consists of 3 chars, uppercase letter or underscore.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Identifier</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>OPE</td> <td>Operational</td> </tr> <tr> <td>VAL</td> <td>Validation</td> </tr> <tr> <td>DEV</td> <td>Development</td> </tr> <tr> <td>REP</td> <td>Reprocessing</td> </tr> </tbody> </table>	Identifier	Meaning	OPE	Operational	VAL	Validation	DEV	Development	REP	Reprocessing
Identifier	Meaning											
OPE	Operational											
VAL	Validation											
DEV	Development											
REP	Reprocessing											
<class_id>	6	Timeliness and processing baseline										

Jason-CS/Sentinel-6 Generic File Naming Convention (GFNC)

		<p>Consists of 6 characters, either uppercase letters or digits or underscores</p> <p>XX_NNN</p> <p>where</p> <p>XX = 2 uppercase letters/digits indicating the timeliness of the processing workflow.</p> <table border="1" data-bbox="587 495 1347 745"> <thead> <tr> <th>Identifier</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>NR</td> <td>NRT</td> </tr> <tr> <td>ST</td> <td>STC</td> </tr> <tr> <td>NT</td> <td>NTC</td> </tr> <tr> <td>ND</td> <td>Non Real Time Dump (Archive Dump)</td> </tr> <tr> <td>“_”</td> <td>2 underscores if not relevant</td> </tr> </tbody> </table> <p>NNN = 3 letters/digits. Free text for indicating the processing baseline (F00, F01, F02, R01, R02...) or data usage (e.g. test, SVT, GSV, TST, etc) or 3 underscores “_” if not relevant.</p> <p>To be noted that for L0 products there is not processing baseline and the concept of reprocessing is not applicable to them. For this reason, this sub-field is set to “_” (3 underscores).</p> <table border="1" data-bbox="587 1059 1347 1388"> <thead> <tr> <th>Identifier</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>[F00, F01, F02...]</td> <td>Processing baseline for Altimeter</td> </tr> <tr> <td>[R00, R01, R02...]</td> <td>Processing baseline for Radio Occultation</td> </tr> <tr> <td>“TST”, “GSV”, “SVT”, etc ...</td> <td>Acronyms for internal Test, Ground Segment Validation tests, System Verification Test, etc</td> </tr> <tr> <td>“_”</td> <td>3 underscores if not relevant</td> </tr> </tbody> </table> <p><i>Note: the “processing baseline” parameter is related to the combination of processor version, auxiliary data versions, and configuration updates. The first letter is a “major version number”, the following digits “minor version number”. For the Altimeter, we consider starting with “F00” for GDR-F standards.</i></p>	Identifier	Meaning	NR	NRT	ST	STC	NT	NTC	ND	Non Real Time Dump (Archive Dump)	“_”	2 underscores if not relevant	Identifier	Meaning	[F00, F01, F02...]	Processing baseline for Altimeter	[R00, R01, R02...]	Processing baseline for Radio Occultation	“TST”, “GSV”, “SVT”, etc ...	Acronyms for internal Test, Ground Segment Validation tests, System Verification Test, etc	“_”	3 underscores if not relevant
Identifier	Meaning																							
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“TST”, “GSV”, “SVT”, etc ...	Acronyms for internal Test, Ground Segment Validation tests, System Verification Test, etc																							
“_”	3 underscores if not relevant																							
<p><extension></p>	<p>3</p>	<p>Representation of data</p> <p>Consists of 3 chars (uppercase letters)</p> <p>“RPT” = package containing the complete Product</p>																						

APPENDIX A PRODUCT FILE NAMING EXAMPLES

A description of the fields constituting the product filename is reported in the figure below, showing the fields defined by more sub-fields. The example used is a P4 product:

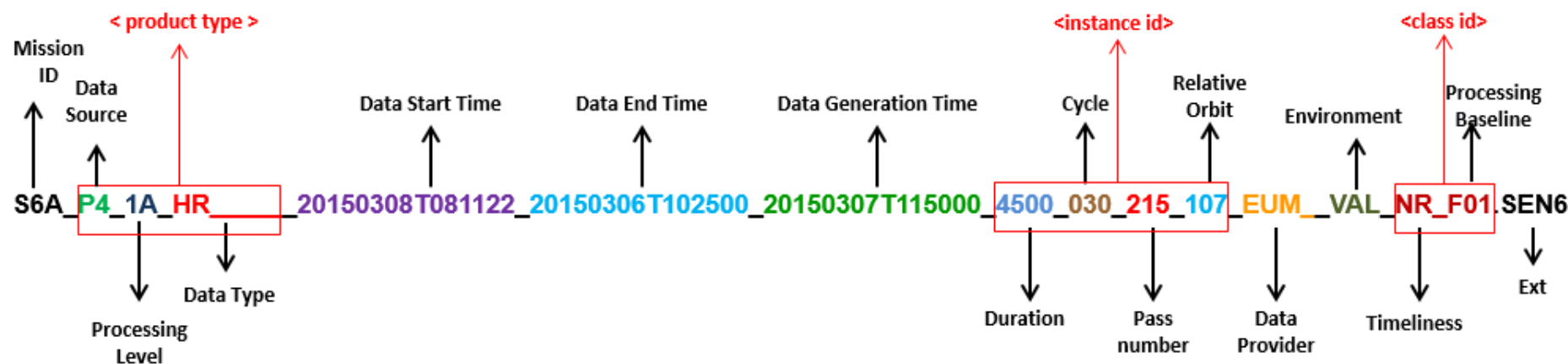


Figure 1: Detailed description of J-CS/S6 product filename

A.1 Products

The examples provided in the following do not represent the complete list of mission products:

```
S6A_P4_0__ACQ_____20150101T102500_20150101T114000_20150101T115000_4500_030_215_107_EUM__OPE_NR____.SEN6
S6A_P4_0__CAL_____20150101T102500_20150101T114000_20150101T115000_4500_030_215_107_EUM__OPE_NR____.SEN6
S6A_P4_1B_LR_____20150101T102500_20150101T114000_20150101T115000_4500_030_215_107_EUM__OPE_NR_F01.SEN6
S6A_P4_1A_HR_____20150101T102500_20150101T114000_20150101T115000_4500_030_215_107_EUM__VAL_NR_F01.SEN6
```

S6A_P4_2_LR_____20150101T102500_20150101T114000_20160712T125000_4500_050_215_107_EUM__REP_ST_F02.SEN6
S6A_P4_2_HR_____20150101T102500_20150101T114000_20160712T125000_4500_050_215_107_EUM__REP_ST_F02.SEN6
S6A_P4_2P_HR_____20220101T150000_20220101T164400_20220102T165000_6245_039_100_200_CNES_OPE_NT_F01.SEN6
S6A_P4_2P_HRW_____20220101T150000_20220101T164400_20220102T165000_6245_010_050_100_CNES_OPE_NT_F02.SEN6
S6A_P4_3_HR_____20220101T150000_20220101T164400_20220103T165000_6245_039_100_200_CNES_OPE_NT_F01.SEN6
S6A_P4_3_HRW_____20180106T080000_20180516T100000_20180516T110000_4500_030_215_107_CNES_VAL_NR_F01.SEN6
S6A_RO_1B_BND_____20251025T000000_20251025T000230_20251031T120000_G10__NN_____EUM__OPE_NT_R01.SEN6

A.2 Auxiliary Files

The examples provided in the following do not represent the complete list of auxiliary files:

S6A_AX___PREO_AX_20180111T000000_20180118T000000_20180111T164532_____MOC__OPE_AL_001.SEN6
S6A_AX___MHF__AX_20171213T081950_20171213T081957_20171212T081950_____MOC__OPE_AL_001.SEN6
S6A_AX___SMR__AX_20180111T164532_20180111T164532_20180111T164532_____MOC__OPE_AL_001.SEN6
S6A_AX___OREV_AX_20180111T000000_20180118T000000_20180111T164532_____MOC__OPE_AL_001.SEN6

S6A_MW___MAP__AX_20180111T102500_20280118T000000_20180111T102500_____JPL__OPE_AL_001.SEN6
S6A_MW___CHD__AX_20180111T102500_20280118T000000_20180111T102500_____JPL__OPE_AL_001.SEN6
S6A_MW___CAL__AX_20180111T000000_20180118T000000_20180111T164532_____JPL__OPE_AL_001.SEN6

APPENDIX B INTERNAL PRODUCT FILE NAMING EXAMPLES

A description of the fields constituting the Altimeter internal product filename is reported in the figure below, showing the fields defined by more sub-fields:

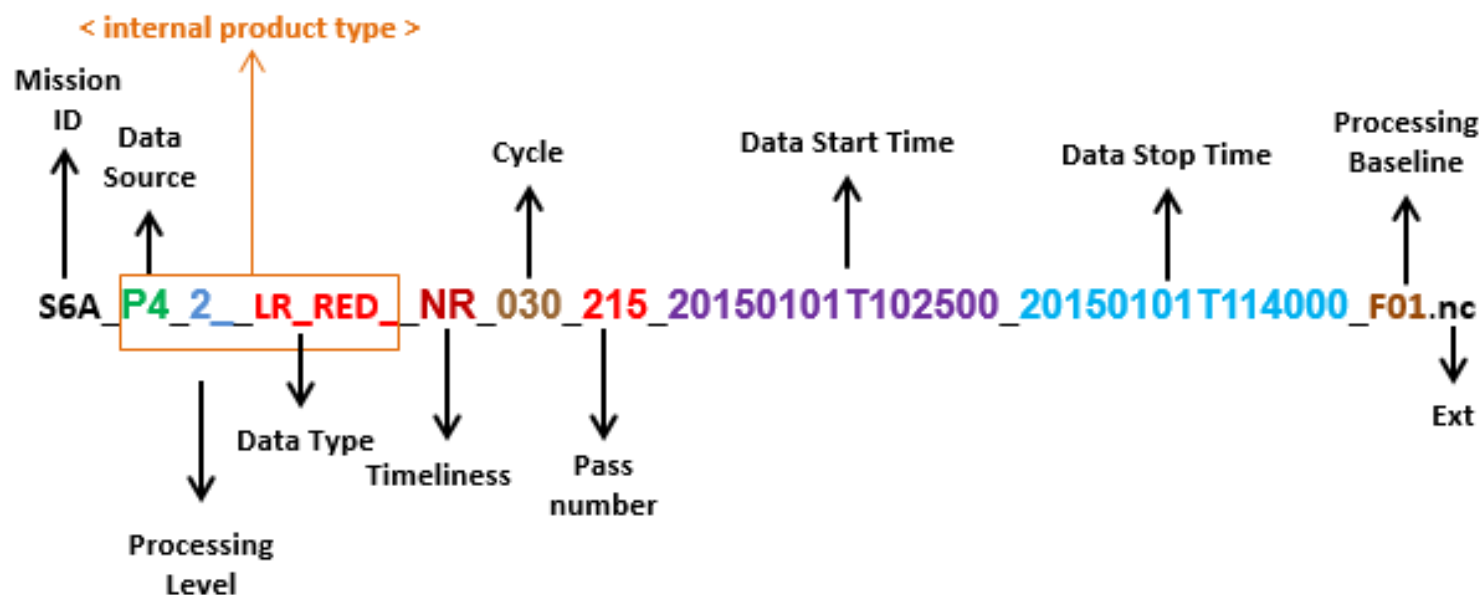


Figure 2: Detailed description of J-CS/S6 internal product filename

B.1 Internal Altimeter and AMR-C Products

In the following, just few examples show the filename for internal products following the defined convention:

S6A_P4_2__LR_STD__NR_030_215_20150101T102500_20150101T114000_F01.nc

Jason-CS/Sentinel-6 Generic File Naming Convention (GFNC)

S6A_P4_2__LR_RED__NR_030_215_20150101T102500_20150101T114000_F01.nc

S6A_P4_2__HR_STD__NR_030_215_20150101T102500_20150101T114000_F01.nc

S6A_P4_2__HR_RED__NR_030_215_20150101T102500_20150101T114000_F01.nc

S6A_P4_2__LR_____ST_050_215_20150101T102500_20150101T114000_F02.nc

S6A_P4_2__HR_____ST_050_215_20150101T102500_20150101T114000_F02.nc

S6A_MW_2__AMR_____NR_030_215_20150101T102500_20150101T114000_F01.nc

APPENDIX C BUFR FILE NAMING EXAMPLES

A description of the fields constituting the BUFR product filename for the Altimeter instrument (P4) is reported in the figure below:

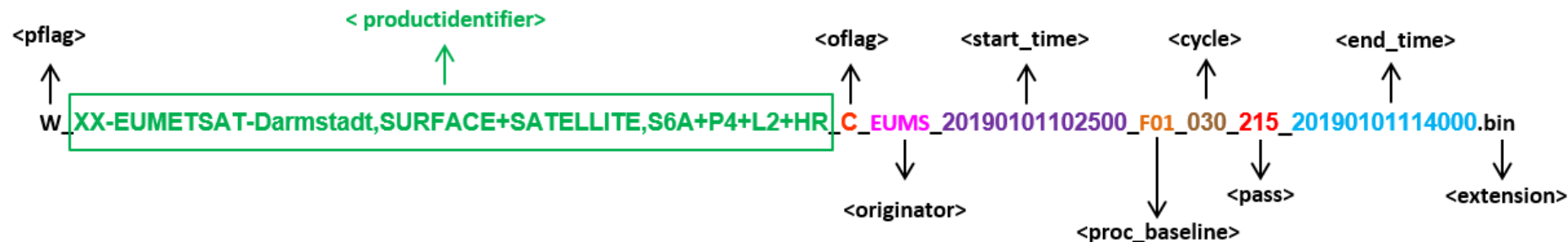


Figure 3: Detailed description of Altimeter BUFR product filename

W_XX-EUMETSAT-Darmstadt,SURFACE+SATELLITE,S6A+P4+L2+HR_C_EUMS_20190101102500_F01_030_215_20190101114000.bin

W_XX-EUMETSAT-Darmstadt,SURFACE+SATELLITE,S6A+P4+L2+LR_C_EUMS_20190101102500_F01_030_215_20190101114000.bin

W_XX-EUMETSAT-Darmstadt,SURFACE+SATELLITE,S6B+P4+L2+HR_C_EUMS_20190712102500_F01_043_115_20190712114000.bin

W_XX-EUMETSAT-Darmstadt,SURFACE+SATELLITE,S6B+P4+L2+LR_C_EUMS_20190712102500_F01_043_115_20190712114000.bin

Jason-CS/Sentinel-6 Generic File Naming Convention (GFNC)

Since RO data is only generated in NTC mode for e.g. re-analysis runs, but not for NRT distribution, the naming conventions follows the one used for the L1B product, except the Product_Type changes replacing the BND field by BUF:

S6A_RO_1B_BUF_____20251025T000000_20251025T000230_20251031T120000_G10__NN_____EUM__OPE_NT_R01.bin

APPENDIX D REPORTS FILE NAMING EXAMPLES

Examples of product report filename for different processing levels are provided in the following:

S6A_P4_0_LR_RP_20150101T102500_20150101T114000_20160712T125000	EUM_OPE_NR	.RPT
S6A_P4_0_HR_RP_20150101T102500_20150101T114000_20160712T125000	EUM_OPE_NR	.RPT
S6A_P4_0_ACQ_RP_20210411T193800_20210411T194512_20191202T001003	EUM_OPE_NR	.RPT
S6A_P4_0_CAL_RP_20210411T193800_20210411T213346_20191202T001053	EUM_OPE_NR	.RPT
S6A_RO_0_GNSSORP_20210411T193803_20210411T213342_20191202T001015	EUM_OPE_NR	.RPT
S6A_DO_0_NAV_RP_20210411T193808_20210411T213338_20191202T000951	EUM_OPE_NR	.RPT
S6A_DO_0_DOP_RP_20210411T193800_20210411T213346_20191202T000945	EUM_OPE_NR	.RPT
S6A_ST_0_STR_RP_20210411T193800_20210411T213347_20191202T001004	EUM_OPE_NR	.RPT
S6A_TM_0_HKM_RP_20210411T193800_20210411T213347_20191202T000952	EUM_OPE_NR	.RPT
S6A_TM_0_NAT_RP_20210411T193800_20210411T213347_20191202T000945	EUM_OPE_NR	.RPT
S6A_GN_0_GNS_RP_20210411T193801_20210411T213347_20191202T000957	EUM_OPE_NR	.RPT
S6A_MW_0_AMR_RP_20210411T193800_20210411T213346_20191202T001009	EUM_OPE_NR	.RPT
S6A_P4_1_HR_RP_20210411T201550_20210411T202550_20191202T002516	EUM_OPE_NR_F01	.RPT
S6A_P4_1_LR_RP_20210411T193800_20210411T213316_20191202T001830	EUM_OPE_NR_F01	.RPT
S6A_P4_1_C1HR_RP_20210411T193800_20210411T213346_20191202T002450	EUM_OPE_NR_F01	.RPT
S6A_P4_1_C1LR_RP_20210411T193800_20210411T213346_20191202T002450	EUM_OPE_NR_F01	.RPT
S6A_P4_1_CAL2_RP_20210411T193802_20210411T193802_20191202T001116	EUM_OPE_NR_F01	.RPT
S6A_P4_1_ECHO_RP_20210411T193800_20210411T213346_20191202T001239	EUM_OPE_ST_F01	.RPT
S6A_P4_1_ACQ_RP_20210411T193800_20210411T194511_20191202T001012	EUM_OPE_NT_F01	.RPT
S6A_P4_2_LR_RP_20150101T102500_20150101T114000_20160712T125000	EUM_OPE_NT_F01	.RPT
S6A_P4_2_HR_RP_20150101T102500_20150101T114000_20160712T125000	EUM_OPE_ST_F02	.RPT
S6A_MW_2_AMR_RP_20210412T045627_20210412T065151_20191209T230426	EUM_OPE_NR_F02	.RPT