

Aeolus On-Ground Data Processing Facility and Data Distribution

Fabio Buscaglione, Annalisa Martini, Cristiano Lopes

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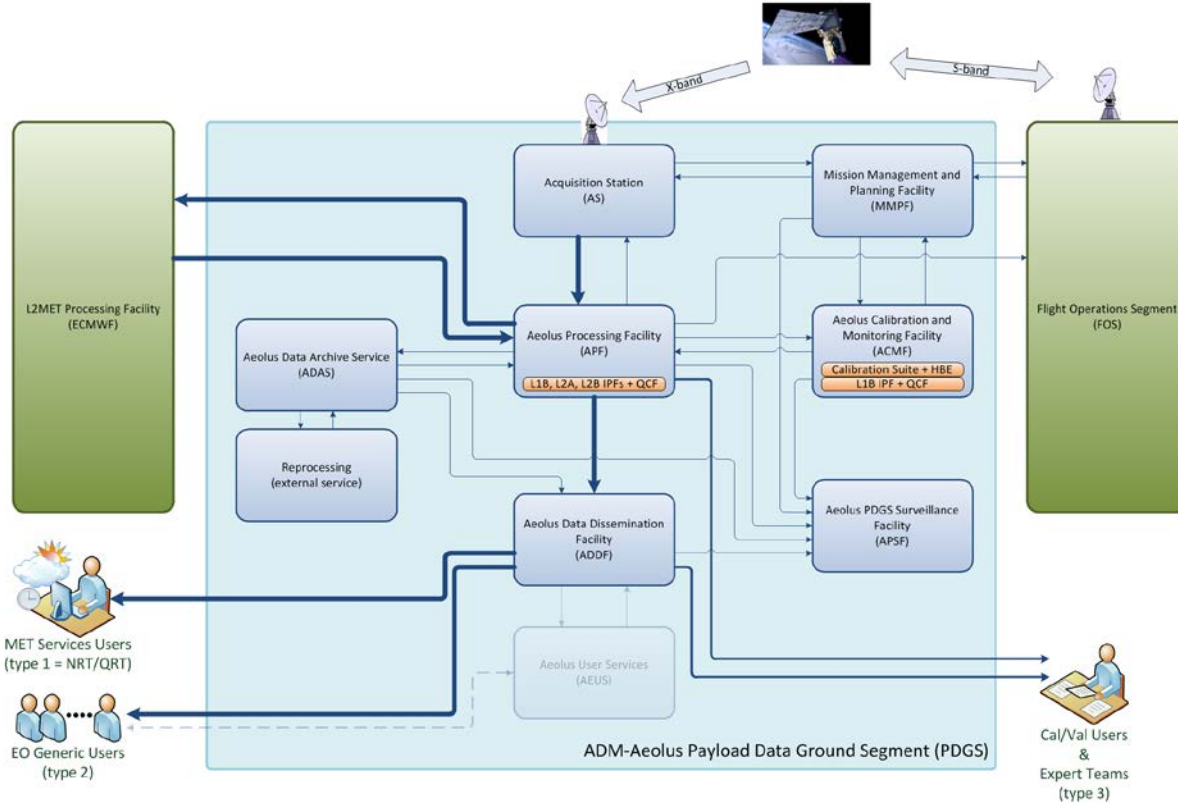
Presentation Outline



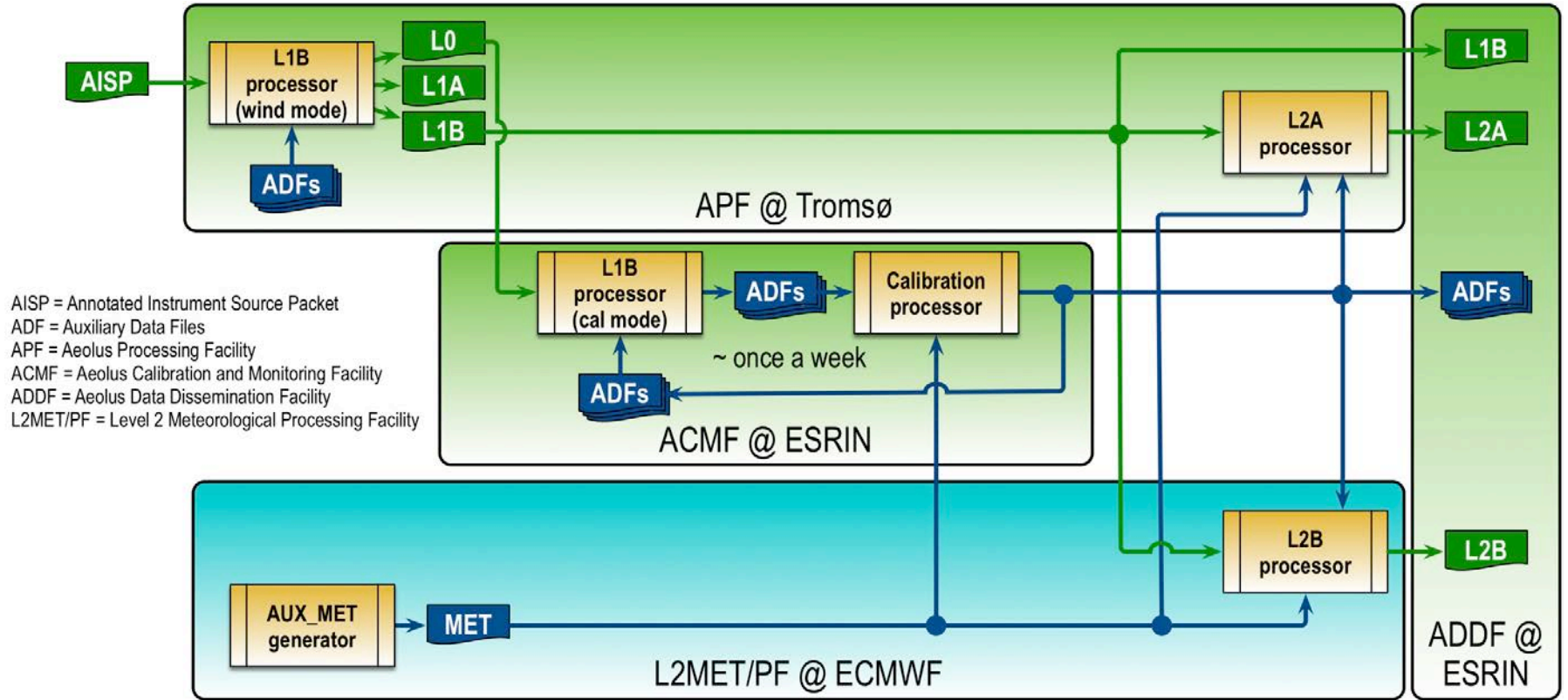
- Payload Data Ground Segment Functional Block Diagram
- Data Processing Flow
- Product Baseline Concept
- Dissemination Server Structure and Data Search



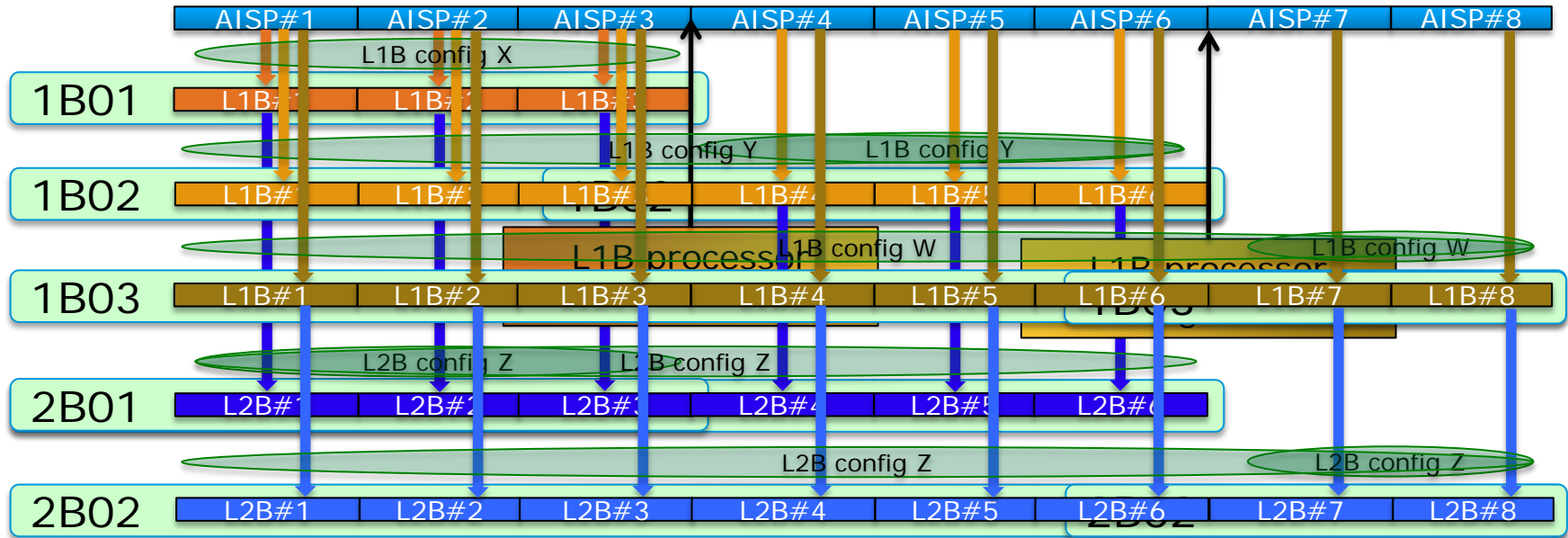
Payload Data Ground Segment - PDGS



Data Processing Flow



Product Baseline Concept

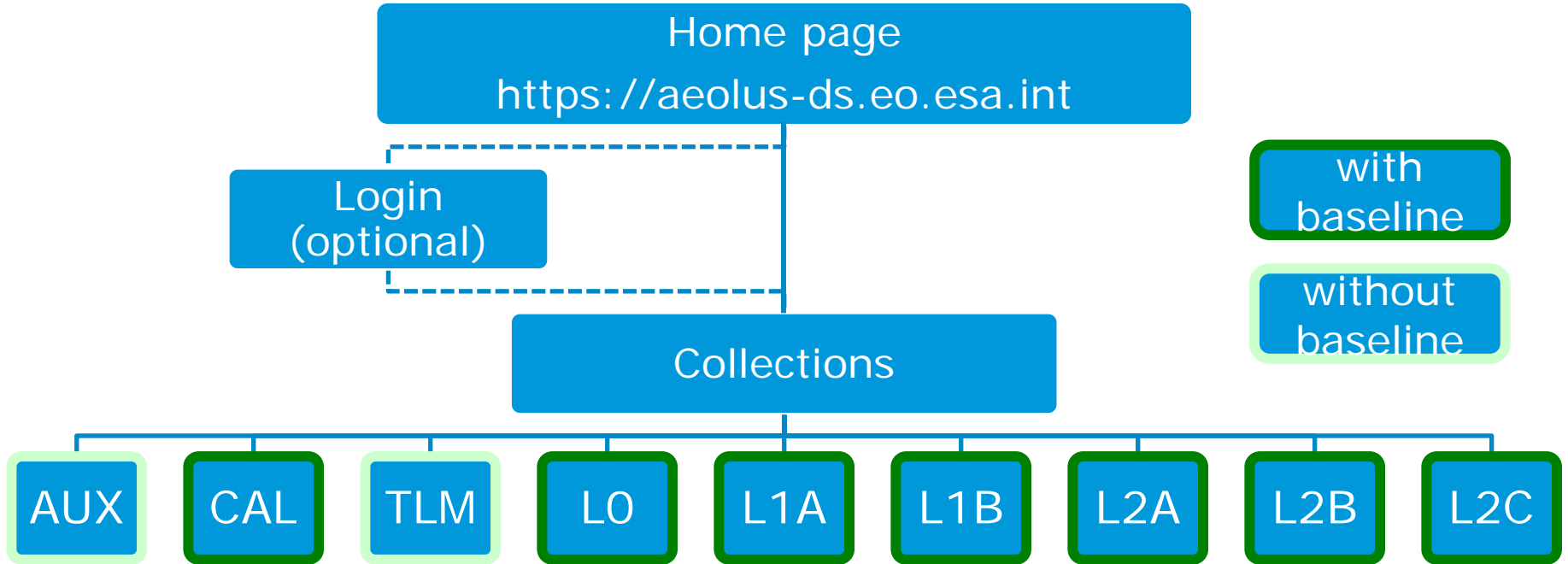


Processor Configuration includes at least:

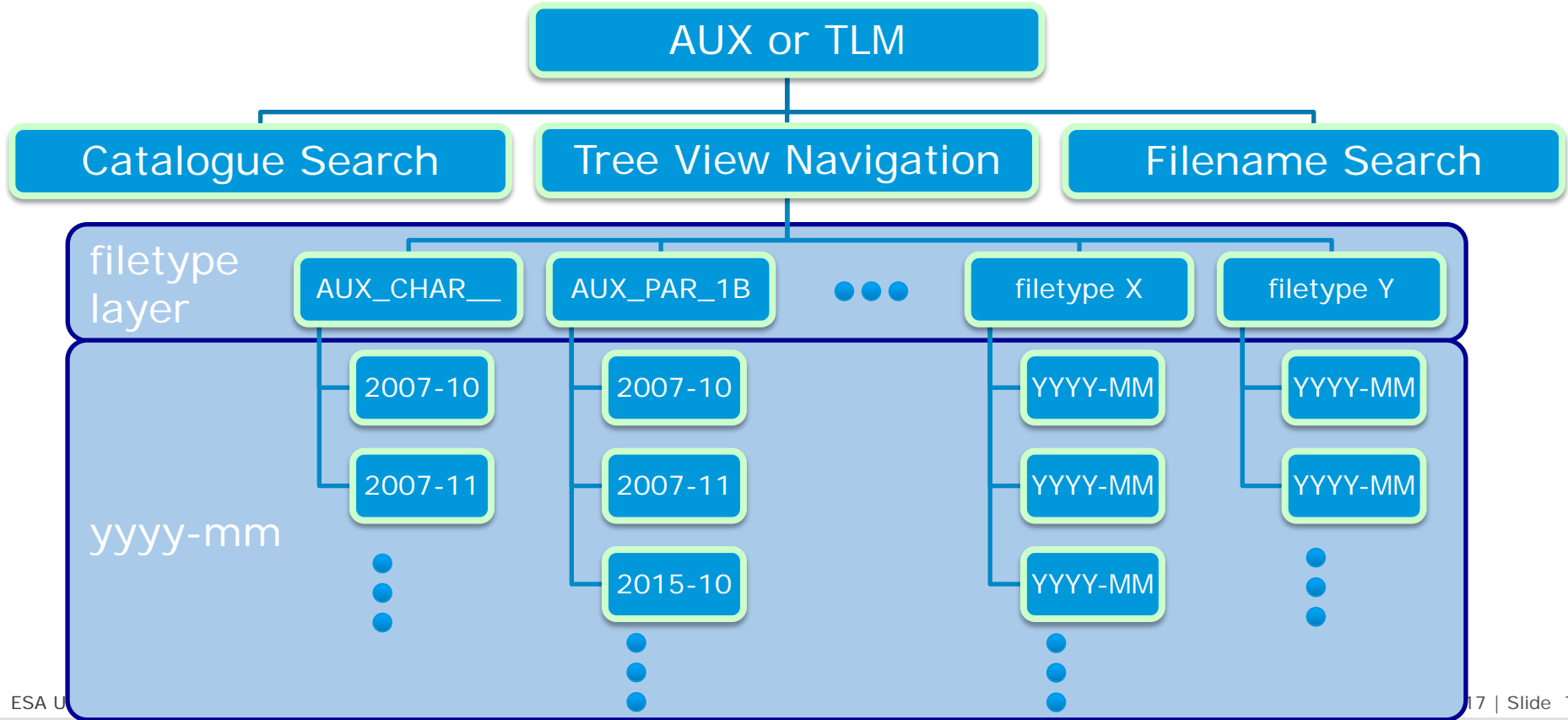
- SW version of the processor
- Auxiliary Data File version and/or version of the SW used to generate them
- Input files selection logic

N.B.: change in Processor Configuration does not necessarily implies change of Product Baseline

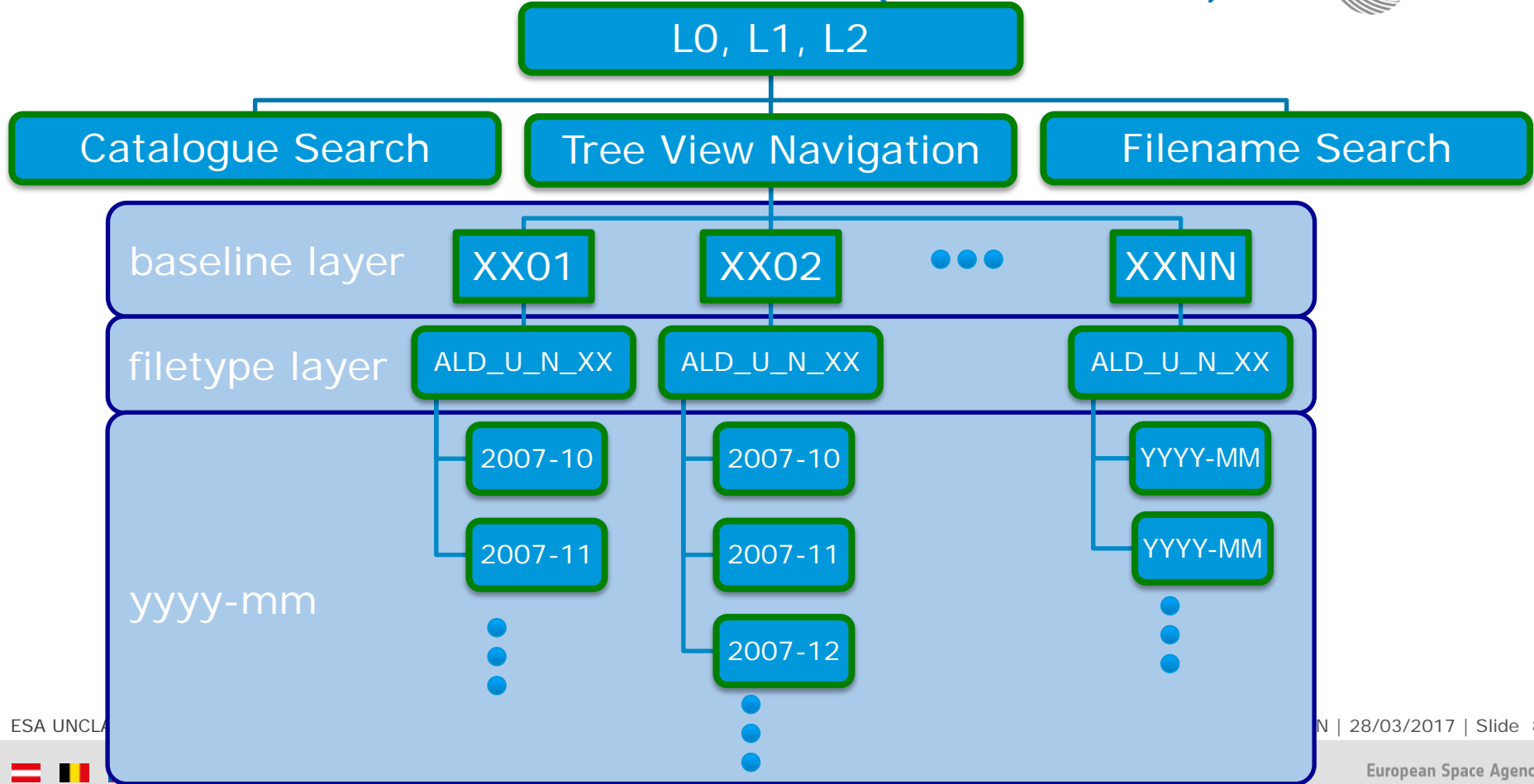
Dissemination Server – First Level Structure



Dissemination Server – Tree View (w/o baseline)



Dissemination Server – Tree View (with baseline)



Dissemination Server – Catalogue Search Options



"Format": "HTML search response", "Bulk download lists",
"Plain text metadata (index)"

"Geographical Coverage": min and max latitude and min
and max longitude values of the area of interest (also
possible via box in the map)

"Temporal Coverage": "sensing-start-time", "sensing-stop-
time" (optional). Search goes from 00:00:00 of the start date
to 23:59:59 of the stop date, or from 00:00:00 to 23:59:59
of the single date. The date can be entered either manually
as YYYY-MM-DD UTC (time specification is not allowed) or by
means of the provided Date Selection widget

"Generation Time": time at which the processing took place
(as per Temporal Coverage)

"Product/FileType": drop-down menu

"Baseline": drop-down menu

ESA Aeolus Online Catalogue - Search Form

[back to collections](#)

Collection L2B_Products
Aeolus consolidated HLOS wind observations (L2B, more information can be found in this [page](#))

Fill in your selection criteria search the matching products.

Search

Format: HTML search response.

Items per page: 10

Geographical Coverage: Lat-Min, Lon-Min, Lat-Max, Lon-Max, Clear

Temporal Coverage: single or start date, to, stop date (optional), Clear

Generation Time: single or start date, to, stop date (optional), Clear

Product Type: ALD_U_N_2B, Clear

Baseline: select value, Clear

Dissemination Server – Catalogue Search Outputs



HTML response

Bulk Download List

Plain Text Metadata

recordLastUpdate	beginAcquisition	endAcquisition	availabilityTime	platformShortName
2017-02-27T15:26:83Z	2007-10-31T02:45:05.257Z	2007-10-31T04:17:16.741Z	2007-10-31T04:17:16.741Z	Aeolus ALADIN
2017-02-27T15:26:85Z	2007-10-31T04:57:53.257Z	2007-10-31T16:30:40.741Z	2007-10-31T16:30:40.741Z	Aeolus ALADIN
2017-02-27T15:26:89Z	2007-11-02T03:15:05.257Z	2007-11-02T04:04:04.741Z	2007-11-02T04:04:04.741Z	Aeolus ALADIN
2017-02-27T15:26:21Z	2007-11-02T14:44:41.257Z	2007-11-02T16:17:16.741Z	2007-11-02T16:17:16.741Z	Aeolus ALADIN
2017-02-27T15:26:22Z	2007-11-03T03:11:17.257Z	2007-11-03T04:43:28.741Z	2007-11-03T04:43:28.741Z	Aeolus ALADIN
2017-02-27T15:26:27Z	2007-11-04T02:19:05.257Z	2007-11-04T03:51:04.741Z	2007-11-04T03:51:04.741Z	Aeolus ALADIN
2017-02-27T15:26:28Z	2007-11-04T14:31:41.257Z	2007-11-04T16:04:04.741Z	2007-11-04T16:04:04.741Z	Aeolus ALADIN
2017-02-27T15:26:40Z	2007-11-05T02:10:17.257Z	2007-11-05T04:30:28.741Z	2007-11-05T04:30:28.741Z	Aeolus ALADIN
2017-02-27T15:26:41Z	2007-11-05T18:18:53.257Z	2007-11-05T18:43:52.741Z	2007-11-05T18:43:52.741Z	Aeolus ALADIN
2017-02-27T15:26:45Z	2007-11-06T14:18:29.257Z	2007-11-06T15:50:52.741Z	2007-11-06T15:50:52.741Z	Aeolus ALADIN

Three output formats:

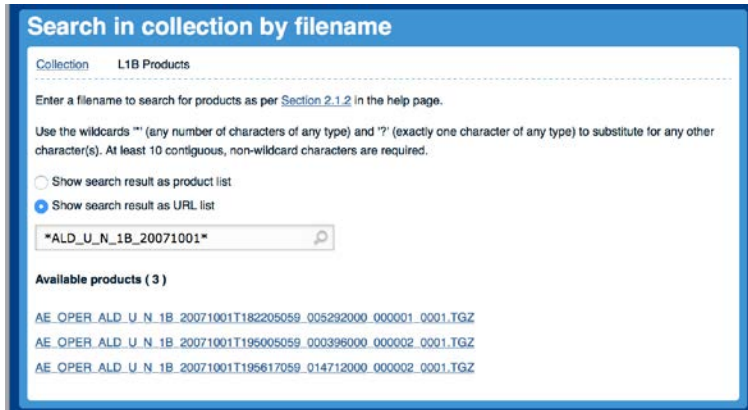
- Plain Text
- Metalink
- HTML

Text file:
Tab Separated Values



Dissemination Server – File Name Search

- Filter string shall be at least 10 contiguous chars long
- Wildcard “*” can be used anywhere
- Results can be shown as:
 - “**Product List**” (figure on the right →)
 - “**URL List**” (figure here below ↓)



Search in collection by filename

Collection L1B Products

Enter a filename to search for products as per [Section 2.1.2](#) in the help page.

Use the wildcards "*" (any number of characters of any type) and "?" (exactly one character of any type) to substitute for any other character(s). At least 10 contiguous, non-wildcard characters are required.

Show search result as product list

Show search result as URL list

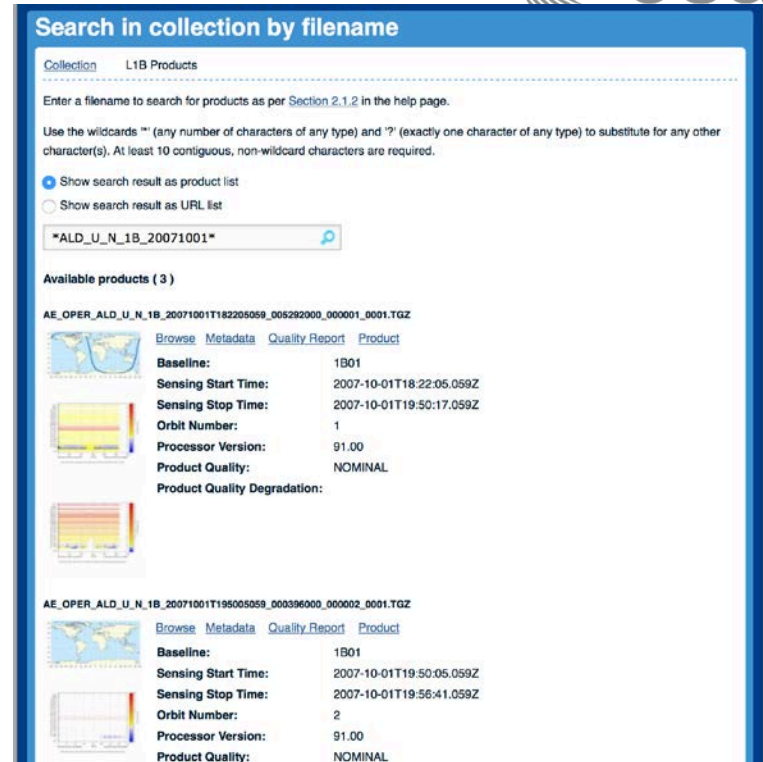
ALD_U_N_1B_20071001

Available products (3)

[AE_OPER_ALD_U_N_1B_20071001T182205059_005292000_000001_0001.TGZ](#)

[AE_OPER_ALD_U_N_1B_20071001T195005059_000396000_000002_0001.TGZ](#)

[AE_OPER_ALD_U_N_1B_20071001T195617059_014712000_000002_0001.TGZ](#)



Search in collection by filename

Collection L1B Products

Enter a filename to search for products as per [Section 2.1.2](#) in the help page.

Use the wildcards "*" (any number of characters of any type) and "?" (exactly one character of any type) to substitute for any other character(s). At least 10 contiguous, non-wildcard characters are required.

Show search result as product list


Show search result as URL list

ALD_U_N_1B_20071001

Available products (3)

[AE_OPER_ALD_U_N_1B_20071001T182205059_005292000_000001_0001.TGZ](#)

[Browse](#) [Metadata](#) [Quality Report](#) [Product](#)

 **Baseline:** 1B01

Sensing Start Time: 2007-10-01T18:22:05.059Z


Sensing Stop Time: 2007-10-01T19:50:17.059Z


Orbit Number: 1

Processor Version: 91.00

Product Quality: NOMINAL


Product Quality Degradation:





[AE_OPER_ALD_U_N_1B_20071001T195005059_000396000_000002_0001.TGZ](#)

[Browse](#) [Metadata](#) [Quality Report](#) [Product](#)

 **Baseline:** 1B01

Sensing Start Time: 2007-10-01T19:50:05.059Z

Sensing Stop Time: 2007-10-01T19:56:41.059Z

Orbit Number: 2

Processor Version: 91.00

Product Quality: NOMINAL

