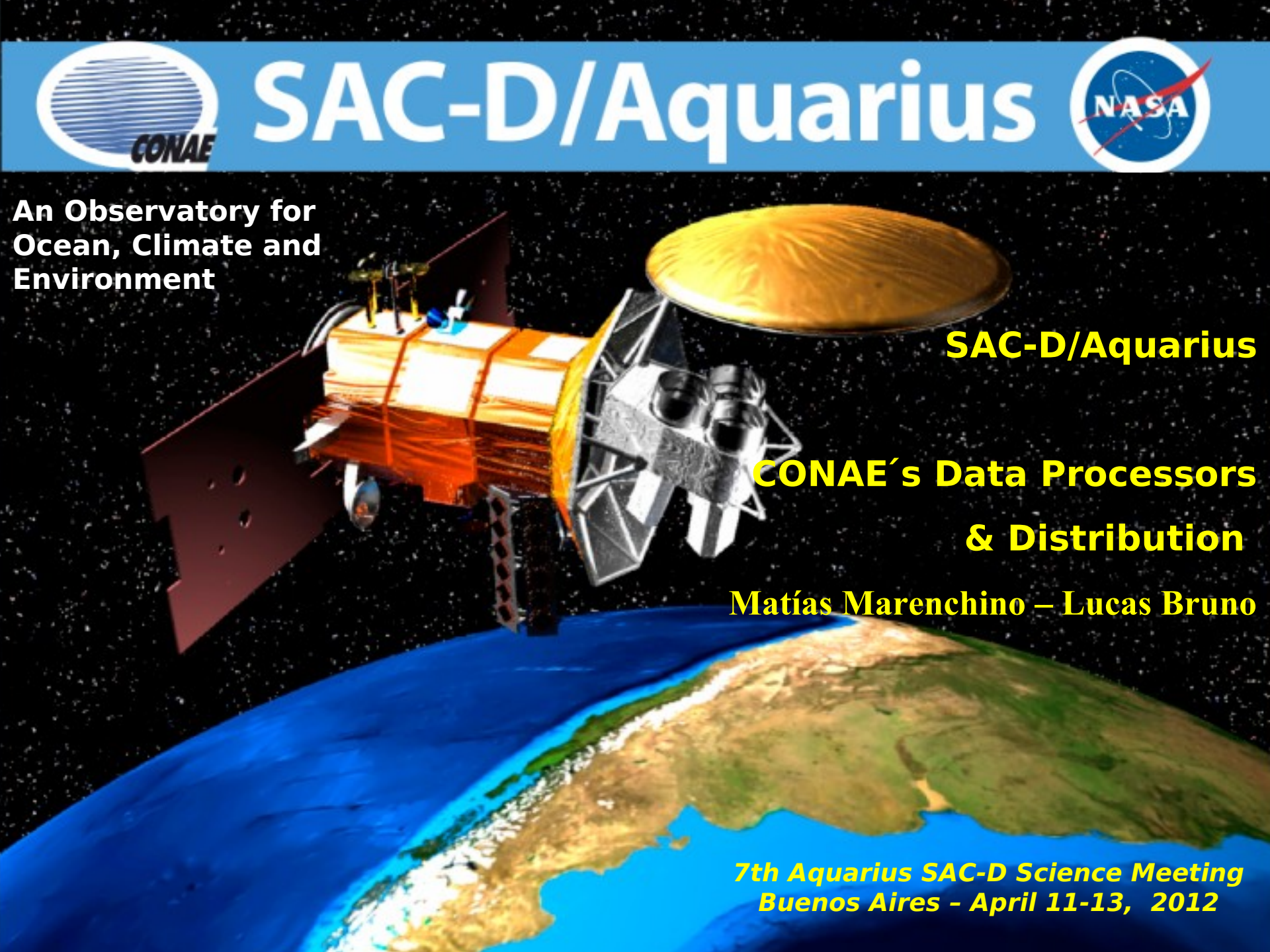
SAC-D/Aquarius

An Observatory for Ocean, Climate and Environment



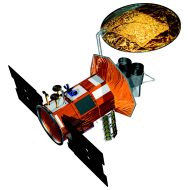
SAC-D/Aquarius

CONAE´s Data Processors & Distribution

Matías Marenchino – Lucas Bruno

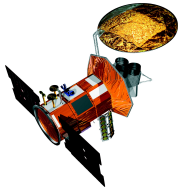
7th Aquarius SAC-D Science Meeting
Buenos Aires – April 11-13, 2012

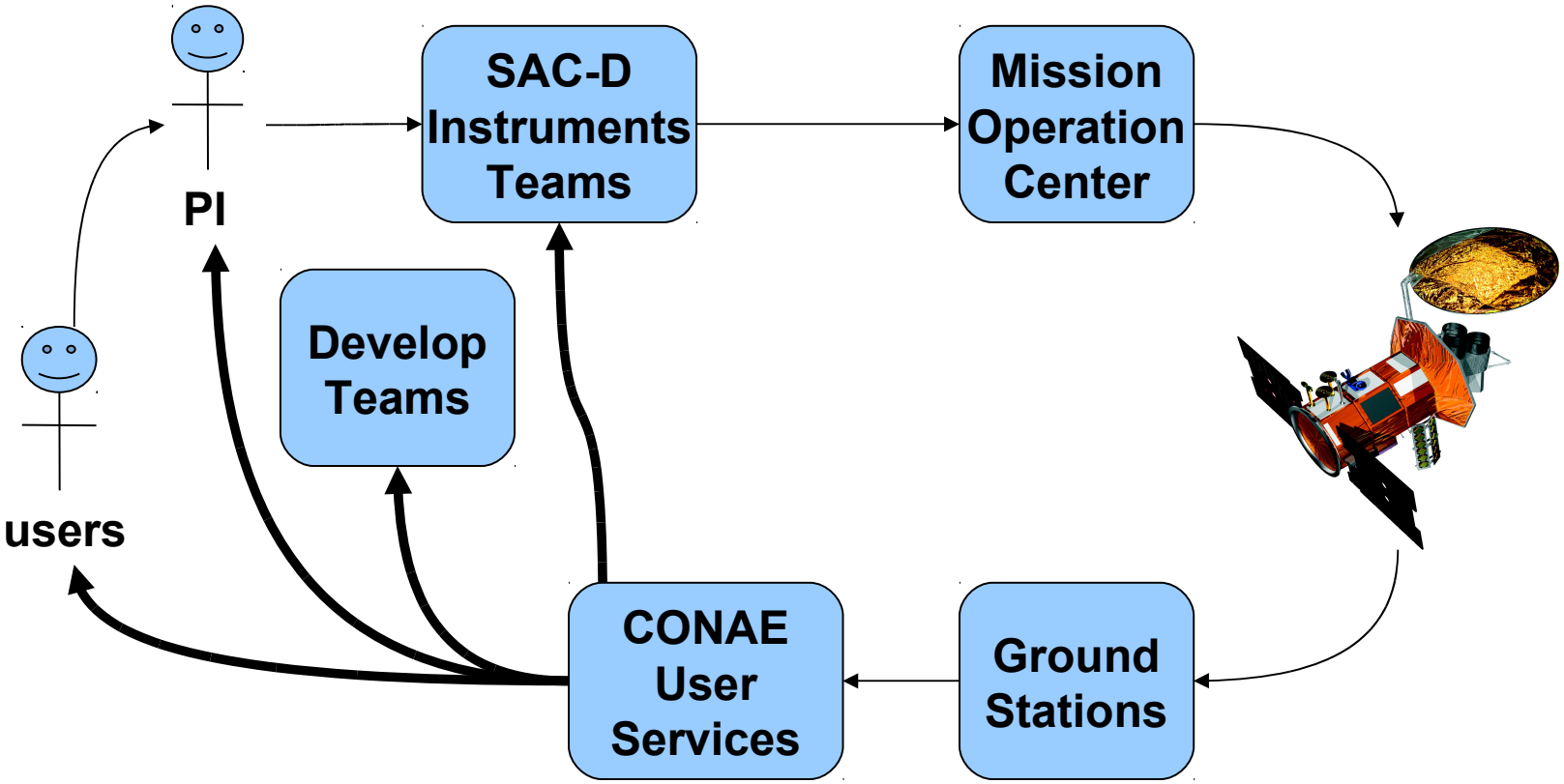
CONAE´s Data Processors & Distribution



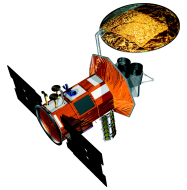
- Post Launch working process
- Nominal working process
- Data Processing and Distribution Current Status
- Priorities
- Procesador – How to work
- Products – How they are

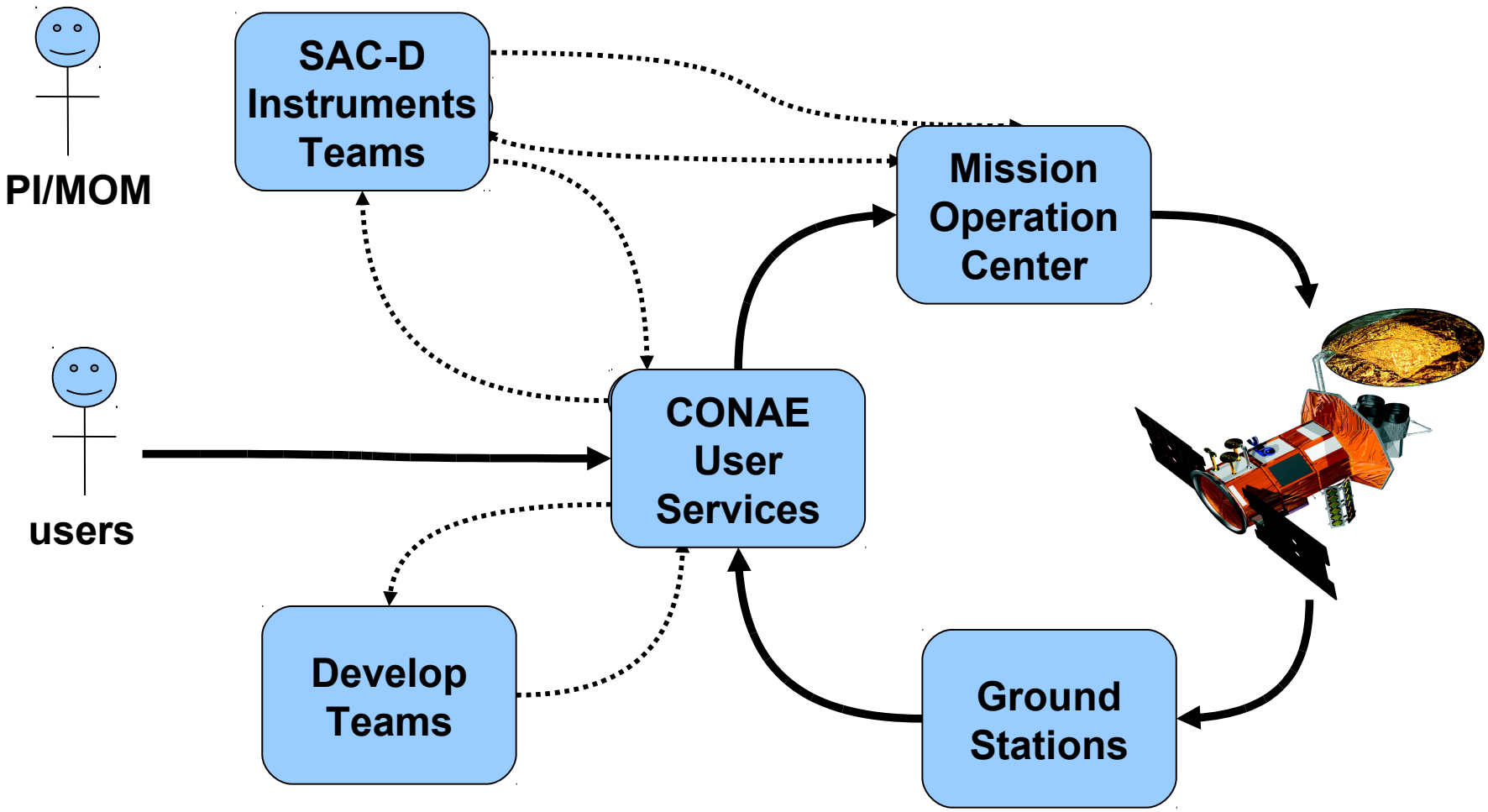
Commissioning Working Process



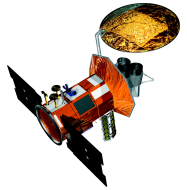


Working process after PLAR





Priorities and Current Status



Current Status

AQUARIUS - CARMEN - ROSA = Delivering RAW

HSC - TDP - DCS = commissioning process and processors in development

MWR - RAW + L0 + L1A + L1B + L2 = Delivering and improving processors

NIRST - RAW + L0 + L1A = Delivering and improving processors

Priorities

+ Commissiong

+ Emergency Request

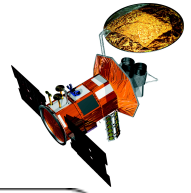
+ Science Request from AO

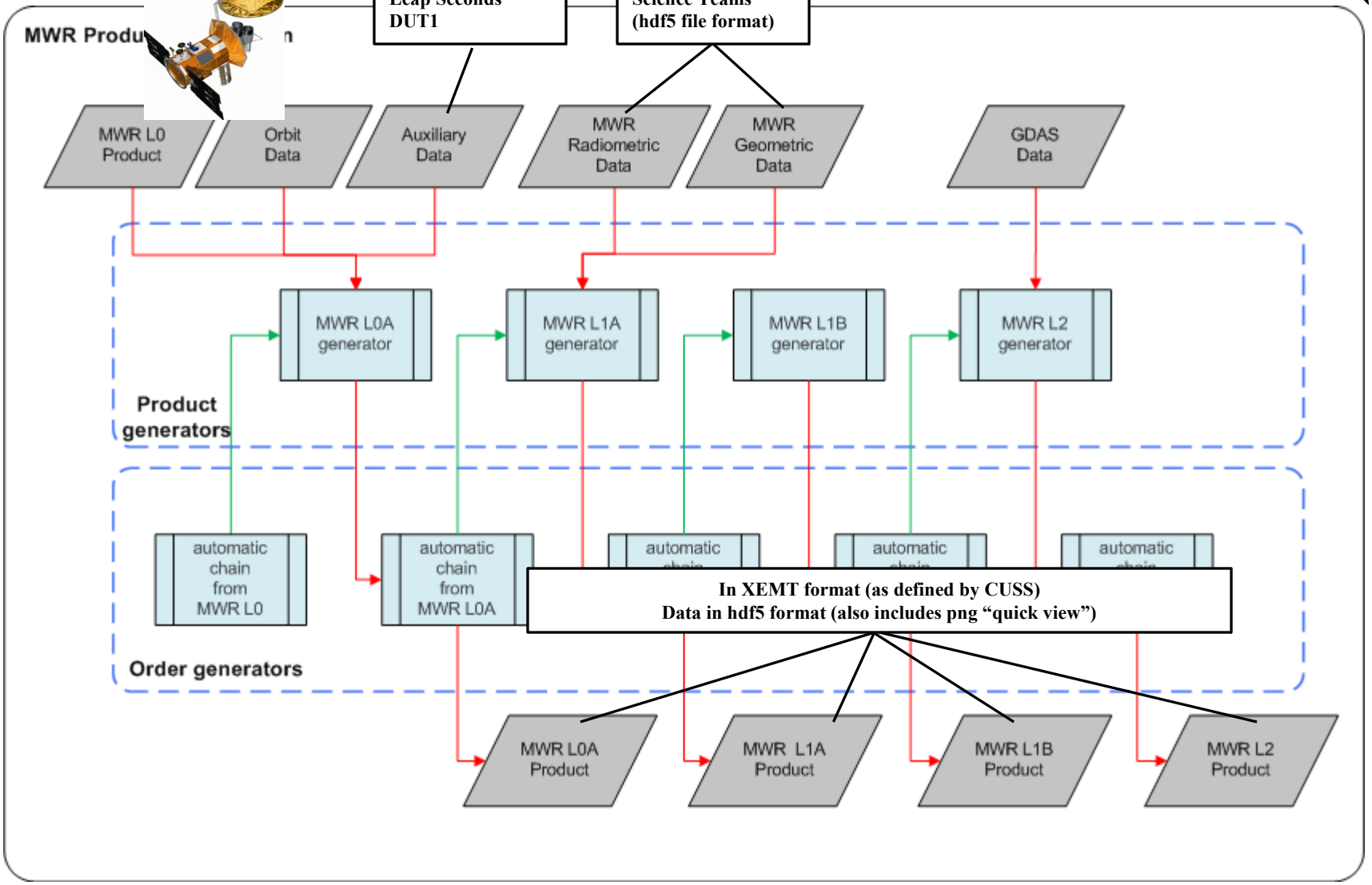
+ Common User Request

Data Distribution

+ SFTP Delivering: Raw – L0 – L1 – L2

+ Web Delivering: L2 – L3 – Others




MWR Produ
TLE
Leap Seconds
DUT1
Generated by
Science Teams
(hdf5 file format)
MWR L0
Product
Orbit
Data
Auxiliary
Data
MWR
Radiometric
Data
MWR
Geometric
Data
GDAS
Data
MWR L0A
generator
MWR L1A
generator
MWR L1B
generator
MWR L2
generator
Product
generators
automatic
chain
from
MWR L0
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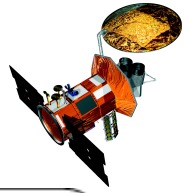
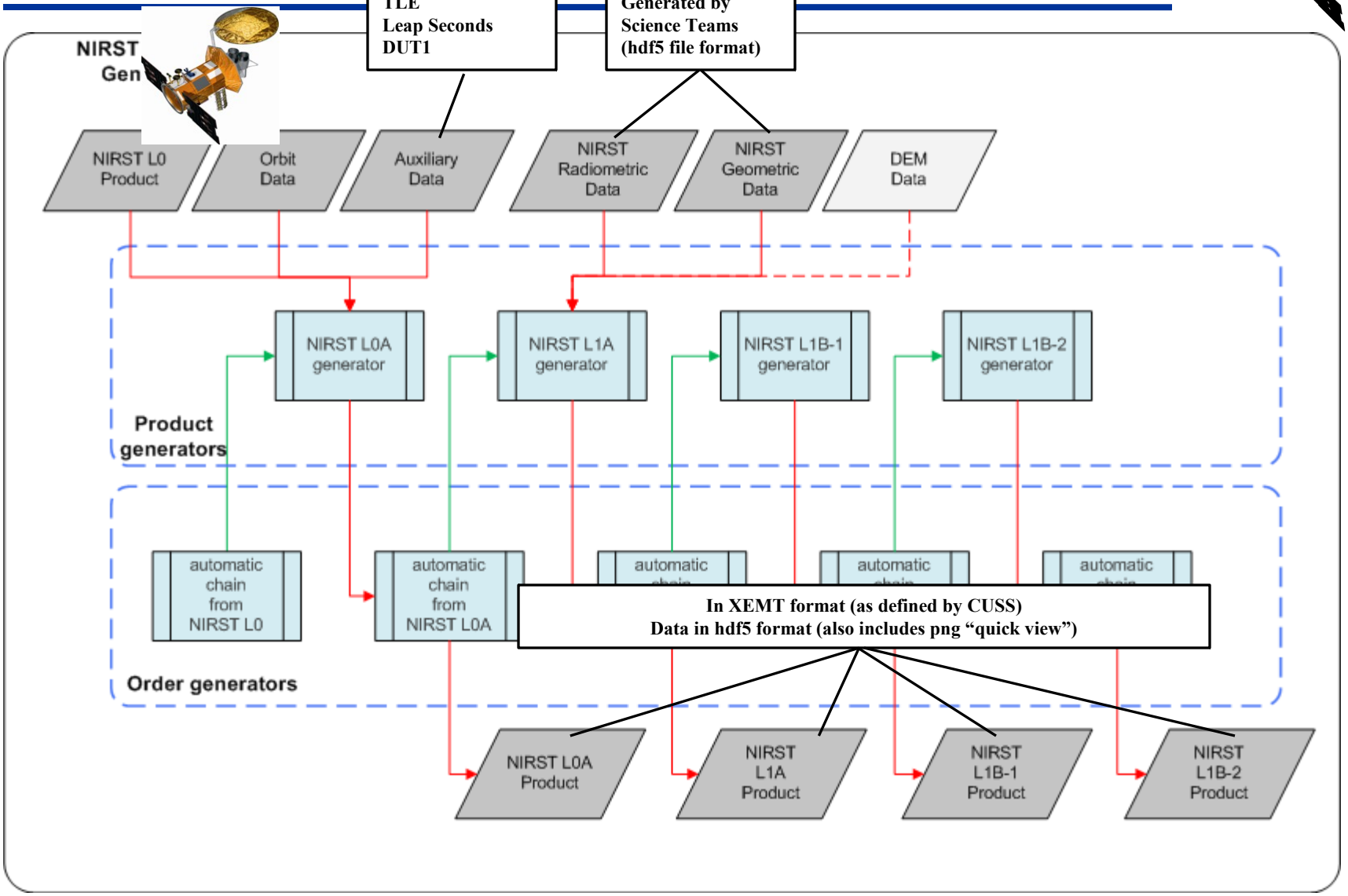
from
MWR L0A
automatic
automatic
automatic
In XEMT format (as defined by CUSS)
Data in hdf5 format (also includes png "quick view")
Order generators
MWR L0A
Product
MWR L1A
Product
MWR L1B
Product
MWR L2
Product




TLE
Leap Seconds
DUT1
Generated by
Science Teams
(hdf5 file format)
NIRST
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In XEMT format (as defined by CUSS)
Data in hdf5 format (also includes png "quick view")
Order generators
NIRST L0A
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Product
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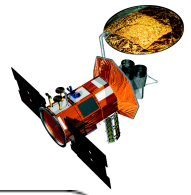
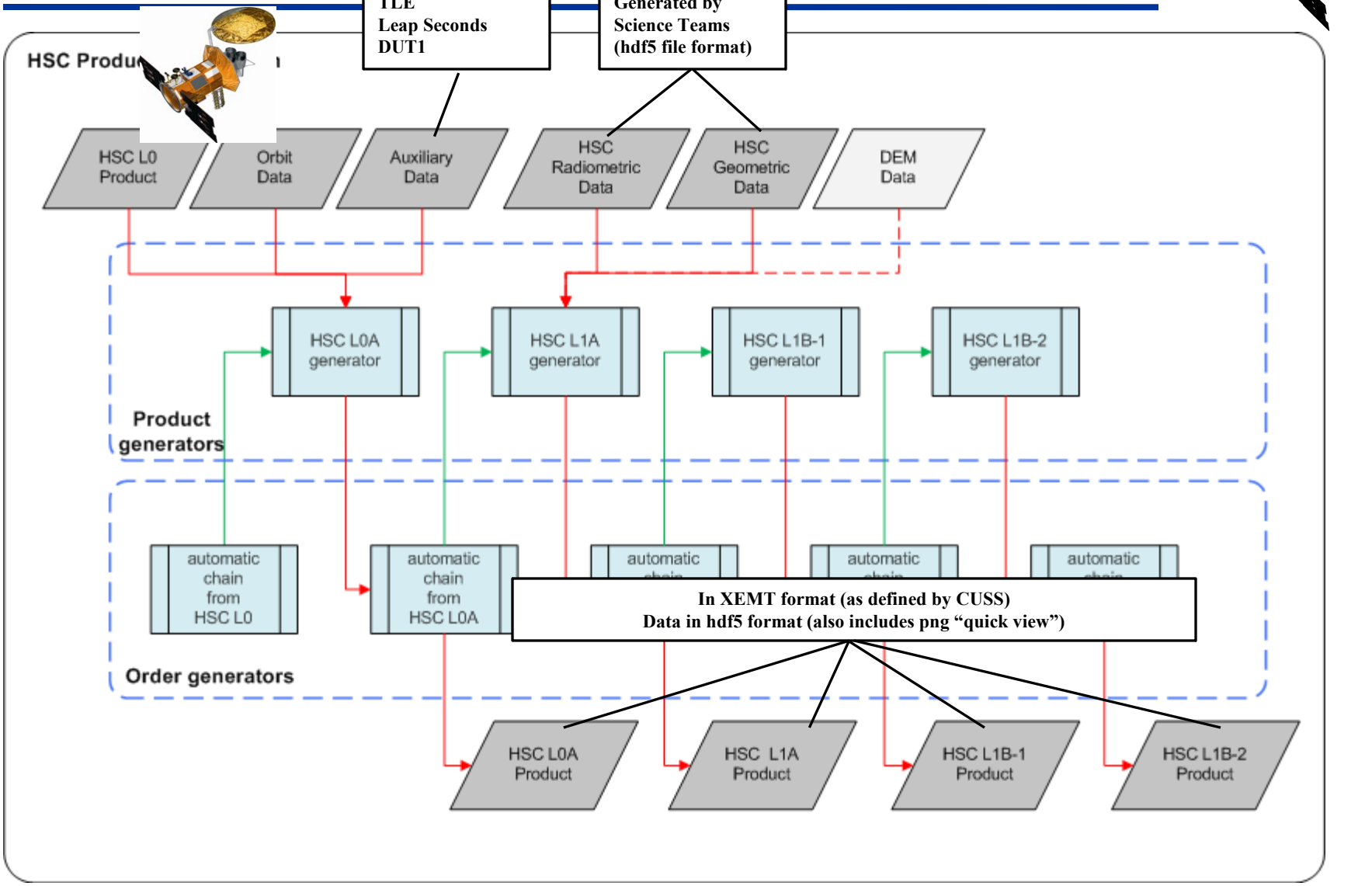
L1B-1
Product
NIRST
L1B-2
Product




HSC Produ
TLE
Leap Seconds
DUT1
Generated by
Science Teams
(hdf5 file format)
HSC L0
Product
Orbit
Data
Auxiliary
Data
HSC
Radiometric
Data
HSC
Geometric
Data
DEM
Data
HSC L0A
generator
HSC L1A
generator
HSC L1B-1
generator
HSC L1B-2
generator
Product
generators
automatic
chain
from
HSC L0
automatic
chain
from
HSC L0A
automatic
automatic
automatic
In XEMT format (as defined by CUSS)
Data in hdf5 format (also includes png "quick view")
Order generators
HSC L0A
Product
HSC L1A
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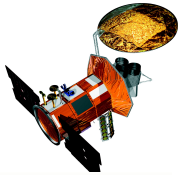
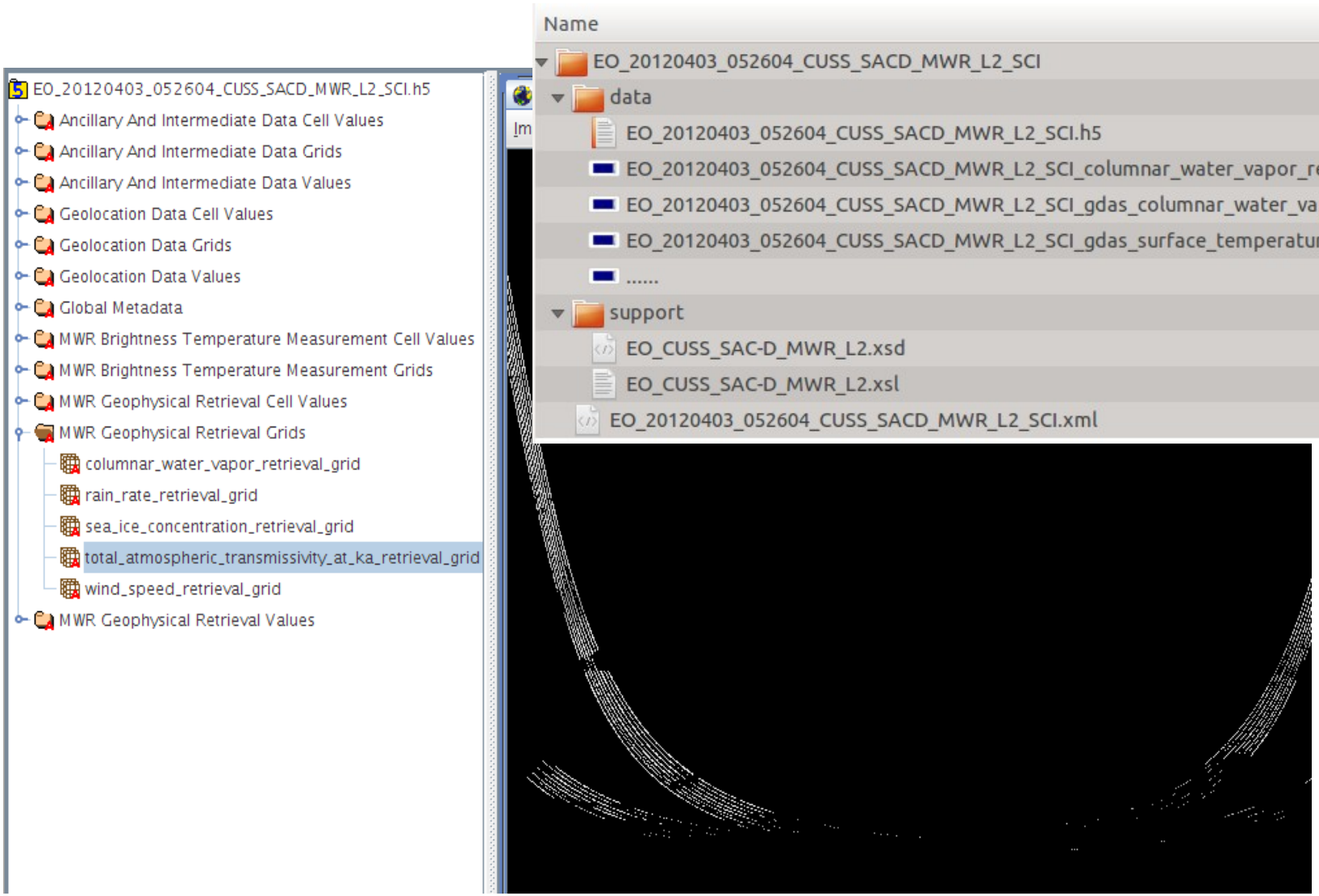
HSC L1B-1
Product
HSC L1B-2
Product

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Ancillary And Intermediate Data Grids
Ancillary And Intermediate Data Values
Geolocation Data Cell Values
Geolocation Data Grids
Geolocation Data Values
Global Metadata
MWR Brightness Temperature Measurement Cell Values
MWR Brightness Temperature Measurement Grids
MWR Geophysical Retrieval Cell Values
MWR Geophysical Retrieval Grids
columnar_water_vapor_retrieval_grid
rain_rate_retrieval_grid
sea_ice_concentration_retrieval_grid
total_atmospheric_transmissivity_at_ka_retrieval_grid
wind_speed_retrieval_grid
MWR Geophysical Retrieval Values
Name
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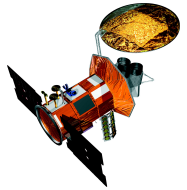
CONAE´s Data Processors & Distribution



Thank you...