

# Top Level Data Flow

Open GIS Consortium, Inc. (OGC) specification is followed to denote the standard imagery levels

**L0 – Raw Data Files**  
PTS Files  
QL Files

Systems corrections only and raw metadata extraction from telemetry stream.  
Conversion of raw telemetry data to sensor engineering data.

**L1 – Thermal Images**  
Geo Files  
ESRI Shape Files

Radiometric and geometric calibrations may be undertaken using external information.  
Geographic formatting using the sensor systems geographic knowledge.  
[Bad Pixel Replacements](#)  
[Ground Coverage Footprints](#)

**L2 – HSI Data Cubes**

Radiometric modification of L1 data.  
[Data Cube \(L2S\) – Spectral Smile Removed](#)  
[Bad Pixel Locations and NESR values of FPA](#)

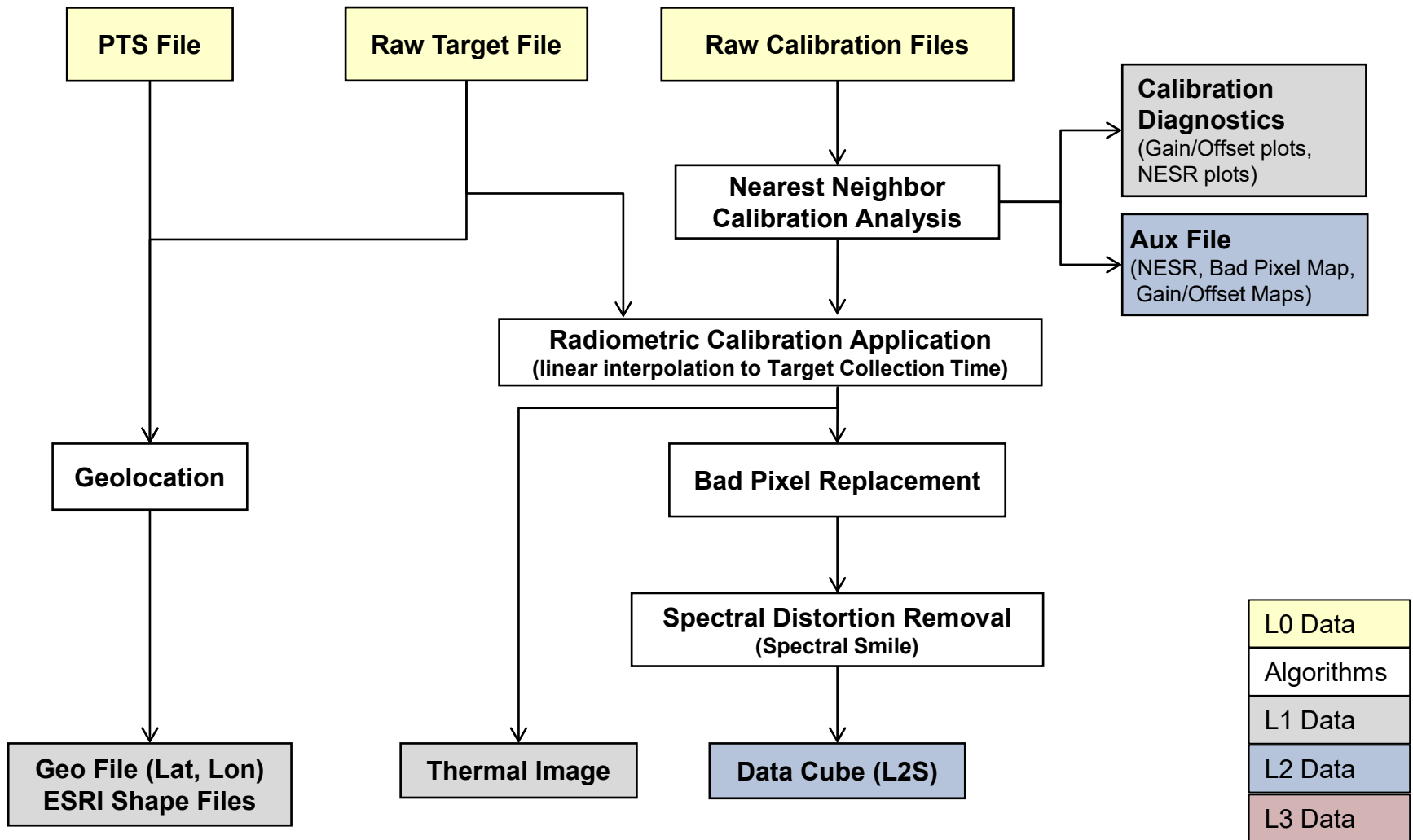
**L3 – Product Cubes**  
Detection Images

Information extraction and/or classification of L2 data.  
[Data Cube \(L3\) and Tiffs – Filter Outputs](#)  
[ID using Stepwise GLS ID algorithm](#)

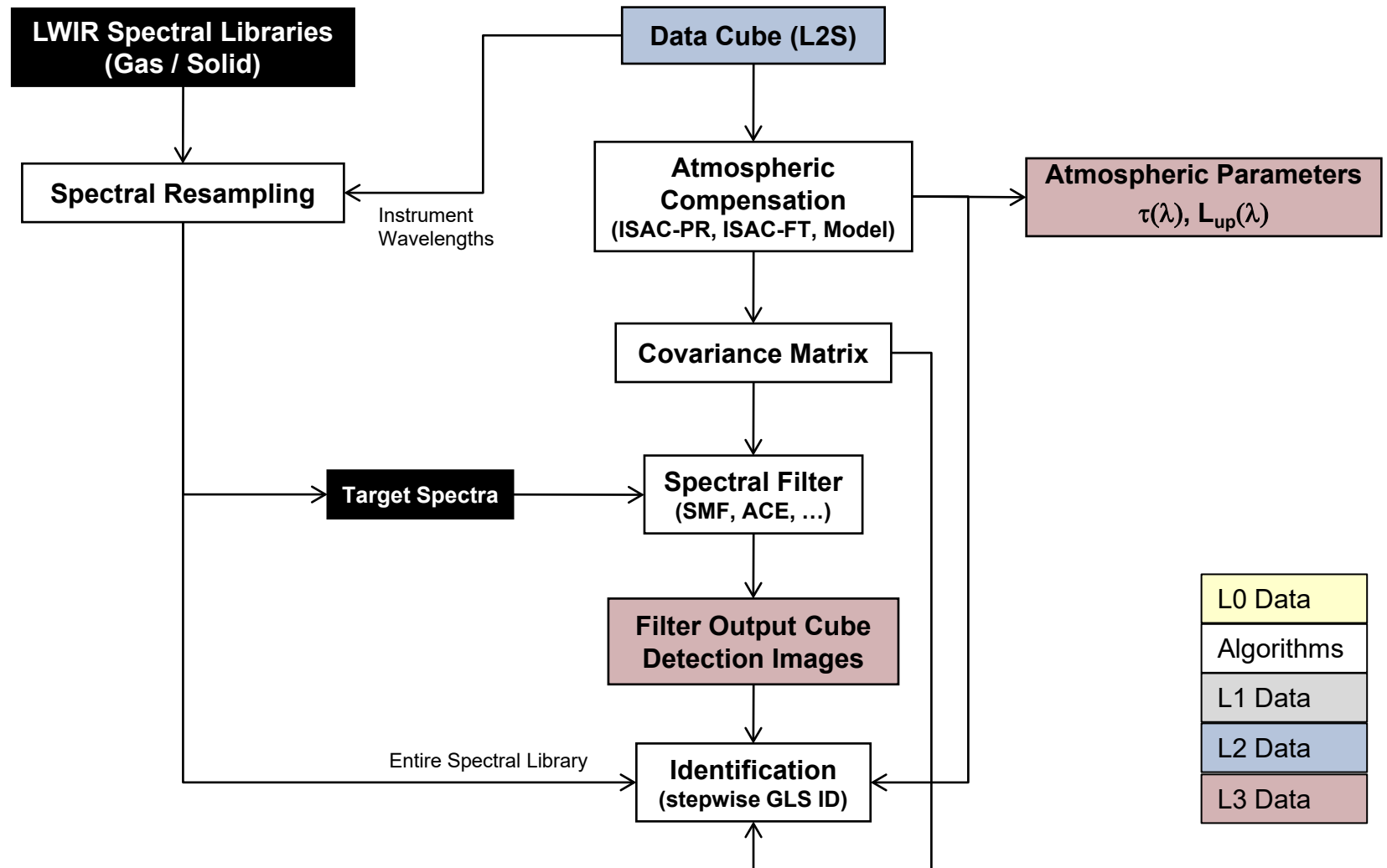
**Ancillary Files**

Additional information which is useful to analysts.

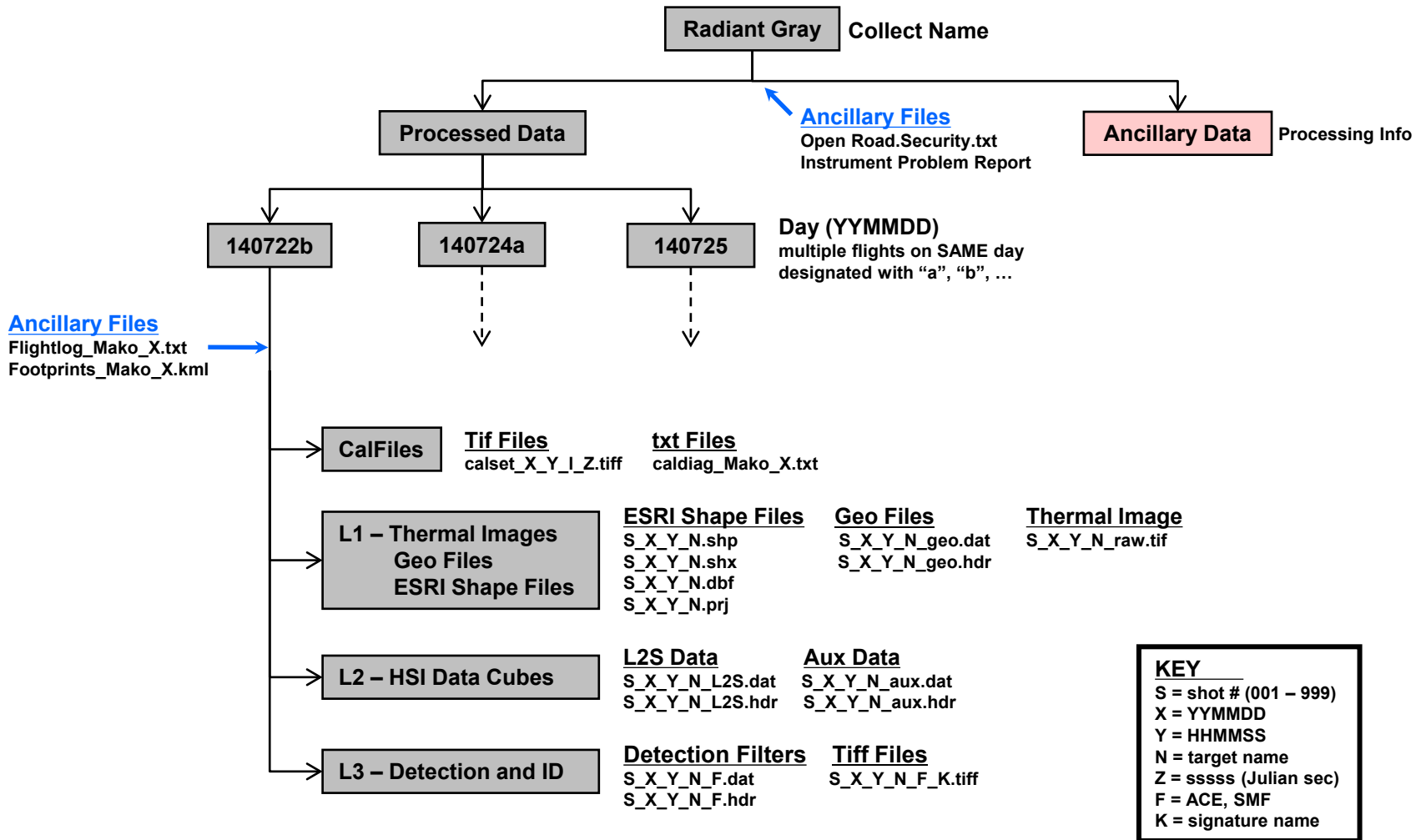
# Detail Flow (L0 to L2)



# Detail Flow (L2 to L3)



# Data Delivery Structure



# Ancillary Files

- Flightlog File
  - *This file (ASCII tab-delimited text) contains information useful to the analyst that varies with EACH cube in the session.*
    - Shot, Session, Target Crossing Time
    - Target Name, Platform HAE, Platform AGL
    - Slant Range, Horizontal Standoff, COG, SOG
    - Frames, Coadds, PreTrigger Frame
    - Target Lat, Target Lon, Target HAE
    - Median Gain, Median Offset
    - Median Cold NESR, Median Hot NESR
    - Bad Pixels, Frame Rate, IFOV, and Pointing Error
  - *If these fields are NOT available they will contain “---”.*

# Questions / Issues / Problems

## **POC**

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