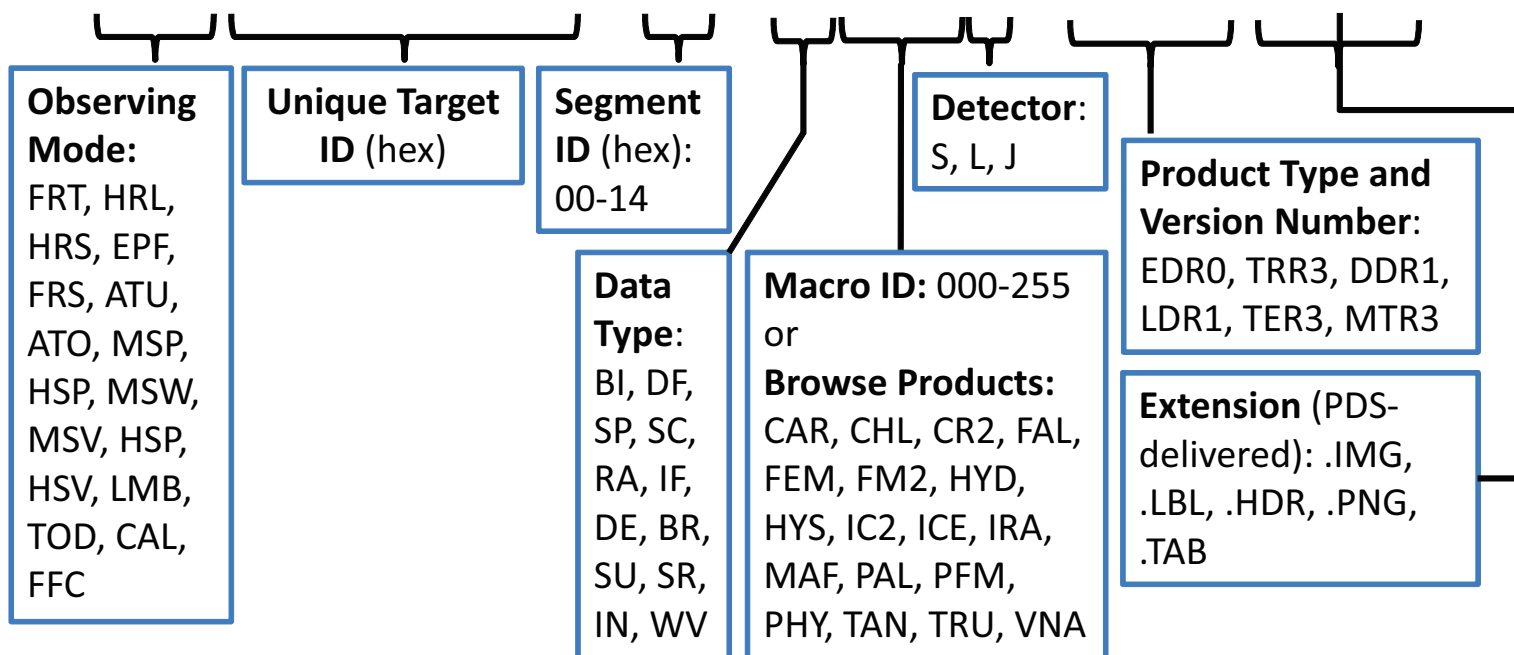


## Example CRISM Filename Breakdown & Possible Values

FRT000091B1\_07\_IF164L\_TRR3.IMG



For an expanded explanation of each part of the filename, see “[CRISM File Naming Convention.pdf](#)” or the *CRISM Data Product Specification (DPSIS)* available at <http://pds-geosciences.wustl.edu/missions/mro/crism.htm>

## Common Tasks: What Files Do You Need When You Want To...

### View a Browse Product

- Choose the browse product(s) of interest
  - Use 3-letter code – see above
  - For example, for mafic minerals choose MAF
- Use any image viewing software to **open .PNG files**

### Load a MTRDR browse product into ArcGIS

- Choose the browse product(s) of interest
  - Use 3-letter code – see above
  - For example, for mafic minerals choose MAF
- In Arc, Add Data and choose **\*BR\*J\_MRR3.IMG file**
  - Make sure associated .HDR file is in the same directory
- RGB composite will load automatically
- Use Layer Properties to adjust symbology, transparency, etc.

### Load a MTRDR summary parameter cube into ArcGIS

- In Arc, Add Data and choose **\*SU\*J\_MRR3.IMG file**
  - Associated .HDR file will need to be in same directory
- Use Layer Properties, Symbology to choose displayed parameters:
  - Choose a single summary parameter and apply a stretch and color ramp if desired
  - Choose 3 parameters for an RGB composite, apply appropriate per-band stretches
  - 65535 is the background value

### Process a TRDR using the CRISM Analysis Toolkit (CAT)

- Open **\*IF\*\_TRR3.IMG** in ENVI
  - Associated .HDR file will need to be in same directory
- Follow standard CAT procedures

### View or Analyze corrected I/F spectra

- We recommend staying in detector space for in-column ratioing
- Open corrected I/F cube in ENVI or other compatible software:
  - **\*IF\*TER3.IMG** and .HDR
- To link or compare to the summary parameter cube, also open:
  - **\*SR\*TER3.IMG** and .HDR (or “SU” for unrefined parameters)
- If you process your own L- or S-detector images using the CAT, you will have different filenames

### Make my own custom browse product

- Open the **\*SR\*J\_MRR1.IMG** (or your own summary parameter cube) in ENVI or compatible software
  - Associated .HDR file will need to be in same directory
- Select and load 3 summary parameters as an RGB
- Apply appropriate stretches
- Save byte-scaled rendering from the Image window using Save Image As, Image File, 24-bit color
  - For loading into Arc, choose File Type = ENVI; this will write out a .HDR file that retains map projection information
  - For presentations or general viewing, choose File Type = PNG, JPG, etc