PDS review NH/Lorri

Updated Aug 19th, 2014

Calibrated Data set Jupiter

```
SIMPLE  =                     T / Written by IDL:  Mon Jul 21 23:27:32 2014
BITPIX  =                   -32 / IEEE single precision floating point
NAXIS   =                     2 / number of array dimensions
NAXIS1  =                  1024 /Number of positions along axis 1
NAXIS2  =                  1024 /Number of positions along axis 2
EXTEND  =                     T
MISSION = 'New Horizons'        / Mission name
HOSTNAME= 'NEW HORIZONS'        / Host name (PDS terminology)
HOSTID  = 'NH        '          / Host ID (PDS terminology)
INSTRU  = 'lor       '          / Instrument
APID    = '0x630     '          / Application ID of science data
MET     =              30598439 / First packet MET (from instrument or HS bus)
METEND  =              30598439 / Last packet MET (from instrument or HS bus)
MET_HK  =              30598438 / MET from housekeeping used in header
HSCOMPR = 'LOSSLESS'            / High-speed compression mode
OBSCOMPL= 'COMPLETE'            / Observation completion status
MISSPACK=                     0 / Missing CCSDS packets (-1 = N/A)
STARTMET=          30598438.977 / Actual start time (in MET seconds)
STOPMET =           30598438.98 / Actual stop time (in MET seconds)
DURMET  =  0.00299999862909317 / Observation duration (in MET seconds)
METSRC  = 'HK_Info '            / Source of above three times
EXPTIME =                 0.003 / Exposure time
ARCHDATE= '2007/010'            / Date of MOC archive file
GRT     =       17906.5979318959 / Ground receipt time from STP
DATE    = '2014-07-19T15:23:23' / Time file was created by SOC
SOCVER  =                   5.0 / SOC pipeline software version
SOCLOC  = 'TSOC      '          / SOC location where processed (TSOC or CSOC)
REQID   = 'JELR_JOBSATM01'      / Request ID
TARGET  = 'JUPITER '            / Target object
TARGTYPE= 'Not defined'         / Target object type
CB1LOAD = 'JUPITER '            / Central Body 1 loaded
CB2LOAD = 'CALLISTO'            / Central Body 2 loaded
CB3LOAD = '---     '            / Central Body 3 loaded
REQDESC = 'Jupiter images - observatory phase' / SeqDescription
REQCOMM = 'LORRI - 11 hours a day' / SeqComments
SPCSEP  = '***GEOMETRY SECTION*************************************'
SPCQUAL = 'RECONSTRUCTED'       / QUALITY:  PREDICT (poor); RECONSTRUCTED
SPCSTAT = 'OK        '          / SPICE status [OK or INCOMPLETE ...]
SPCINST0= 'NH_LORRI'            / Starting SPICE Instrument or FRAME
SPCINSTR= 'NH_LORRI'            / Final SPICE Instrument or FRAME
```

- Exposure Time has no units
- What units are the pixel values?
- Indicate what time the times in first section are in

- Smear: Error is 8 vs 1.3 outside affected area.
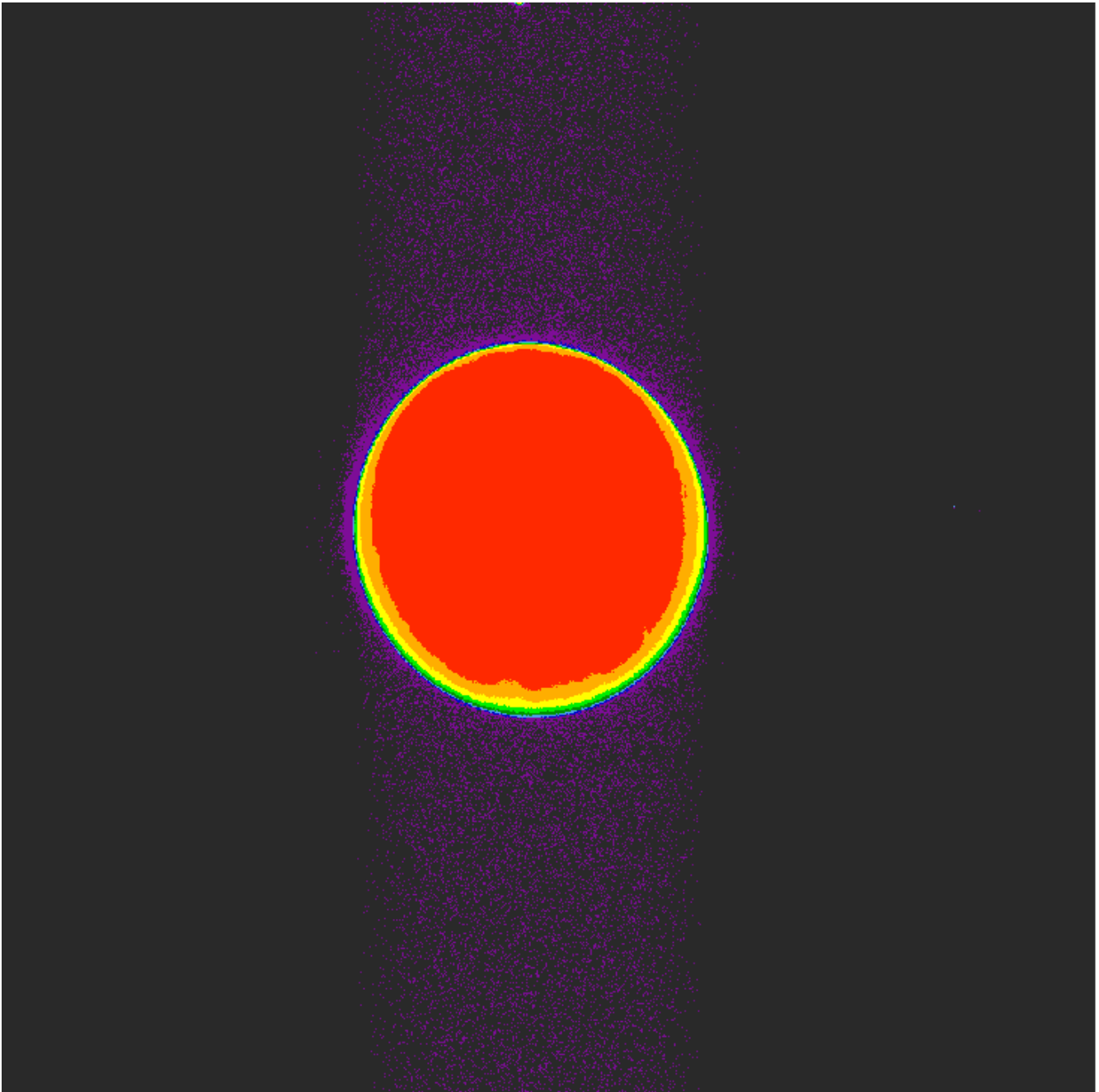
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  - when I compare the DN (?) image in the FITS file with the error image, is the error >50% of the background signal?
  - Calibration paper is not included and not accessible: http://dx.doi.org/10.1117/12.616880 and http://dx.doi.org/10.1117/12.616632
  - Doc Soc_inst_icd_lorri.pdf > sec 9.3.3. I understand the processing is piecemeal and tailored. Can the processed images be included in the archive? (stray light & ghost removed)
  - What is archived in the documents/samples/ directory? no description?
  - Is there a target list or any or observing log?

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