eptestdata

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Abstract

Package with EPIC pn test data (ODF and intermediate files) for test harnesses of pn tasks

1 Instruments/Modes

Instrument	Mode
EPIC PN	IMAGING, TIMING, BURST

2 Use

pipeline processing	yes
interactive analysis	yes

3 Description

This package contains several EPIC pn test data sets (ODF and intermediate files). These files are accessed by the tasks **epframes**, **epevents**, **epchain**, and **epatplot** in their test harnesses. These files have no scientific meaning.

4 Test Files

4.1 epodf

1. Full Frame mode (IMAGING), ODF = 0001_0000000000_PNS001, CCD 1 (empty), used by **epframes**
2. Full Frame mode (IMAGING), ODF = 0001_0000000000_PNS002, CCD 9, not used anymore
3. Fast Timing mode (TIMING), ODF = 0001_0000000000_PNS003, CCD 4, not used anymore
4. Fast Burst mode (BURST), ODF = 0001_0000000000_PNS004, CCD 4, not used anymore

4.2 epodf_FF

1. FullFrame mode (IMAGING), ODF = 0146_0114100201_PNS003, CCDs 1-3, designed for **epframes** and **epchain**

4.3 epodf_eFF

1. ExtendedFullFrame mode (IMAGING), ODF = 0184_0124712201_PNS001, CCDs 1-12, designed for **epframes** and **epchain**

4.4 epodf_LW

1. LargeWindow mode (IMAGING), ODF = 0067_0123500101_PNS002, CCDs 1-12, designed for **epframes** and **epchain**

4.5 epodf_OBT

1. FullFrameWindow mode (IMAGING), ODF = 0185_0133120101_PNS003, CCD 6, designed for **epframes** to test OBT conversions

4.6 epodf_SW

1. SmallWindow mode (IMAGING), ODF = 0132_0129350201_PNS014, CCD 4, designed for **epframes** and **epchain**

4.7 epodf_462

1. SmallWindow mode (IMAGING), ODF = 0462_0155150101_PNS003, CCD 4, designed for **epframes**
2. FastTiming mode (TIMING), ODF = 0462_0155150101_PNS014, CCD 4, designed for **epframes**
3. FastBurst mode (BURST), ODF = 0462_0155150101_PNS015, CCD 4, designed for **epframes**

4.8 epodf_BU_TI

1. FastBurst mode (BURST), ODF = 0029_0116690801_PNS016, CCD 4, designed for **epframes** and **epchain**
2. FastTiming mode (TIMING), ODF = 0029_0116690801_PNU002, CCD 4, designed for **epframes** and **epchain**

4.9 epintermediate

1. rawevents_no.dat: used by **epevents**, input file with no events, output of **epframes** (epodf)
2. rawevents_IM.dat: used by **epevents**, artificial input file with various event patterns

3. rawevents_TI.dat: used by **epevents**, output of **epframes** (epodf)
4. rawevents_BU.dat: used by **epevents**, output of **epframes** (epodf)
5. events_src_lh_1.dat: used by **epatplot**, output of **epevents**, ODF = 0070_0123700101_PNS003 (Lockman Hole), spatial (1 source) and temporal (low-background) selection applied with **evselect**

5 Comments

- are welcome

References