



# eptestdata

November 4, 2014

## 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\_TL.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