V&V Summary Report
L2 ASCDS Version : 7.6.7.1

Observation 59918 - L2 Version 002
Chandra X-Ray Center

L2 Processing Date : Apr 8 2006

See axaff59918N002_VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3845

Comments

```
The fits keyword value of TIMEDEL in the Level 1 and Level 2
event file headers are incorrect in this version of the processing.
The
value in the event files should be 0.00285 s. This value is appropriate

since the TIMEs between events can be separated by only 0.00285 s.
The value of the keyword TIMEDEL in the exr0 and stat1 files is
1.4592 s, which is the correct value for these files. The data in the
event files are correct. The correct value of TIMEDEL=0.00285 was used

to calculate the arrival time of each event, but the TIMEDEL value was
changed in a subsequent step of the code to the incorrect value of
1.4592 s,
which was then recorded in the header. There is the potential for the
event
times to become corrupted if the user reproceses the data. To fix this
problem,
the user should update the value of TIMEDEL in the header of their
event-data
file. They can do this using, e.g., dmhedit:
```

```
dmhedit infile='acisfxxxxx_000N002_evt1.fits' filelist=none
operation=add
key=TIMEDEL value=0.00285
```

seq_num	&#160
obs_id	59918
title	ACIS-456789 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	&#160
ra_targ	0.0
dec_targ	0.0
ra_nom	77.730401849436
dec_nom	-6.4884029305398
roll_nom	347.6818411919
revision	2
ontime	8384.5
livetime	8351.748046875
ontime4	5228.9074840844
ontime5	8384.5
ontime6	5796.5283640623
ontime7	8384.5
ontime8	5938.0676068962
ontime9	5704.5995229483
l2events	771745