

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13689 - L2 Version 1  
Chandra X-Ray Center

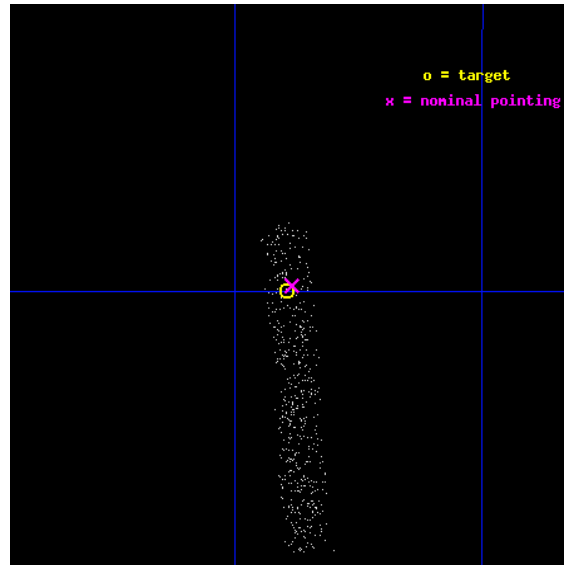
L2 Processing Date : Apr 16 2012

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# 1 Front

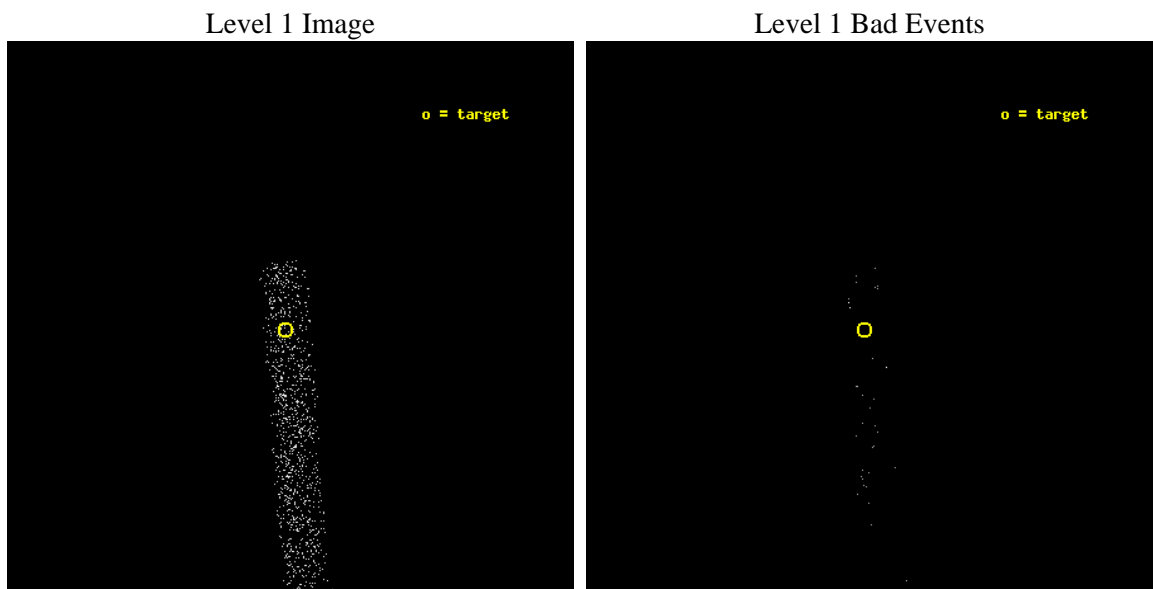
seq_num	401375	Sequence number
obs_id	13689	Observation id
title	Precise Localization of Transient Low-Mass X-ray Binaries	Proposal
observer	Prof. Deepto Chakrabarty	Principal investigator
object	IGR J17494-3030	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.349083	Observer's specified target RA [deg]
dec_targ	-30.499806	Observer's specified target Dec [deg]
ra_nom	267.34645485769	Nominal RA [deg]
dec_nom	-30.497818223387	Nominal Dec [deg]
roll_nom	85.432303742406	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1070.2915149331	Sum of GTIs [s]
livetime	970.697909426	Livetime [s]
ontime7	1070.2915149331	Sum of GTIs [s]
l2events	520	Number of level 2 events



## 2 OBI

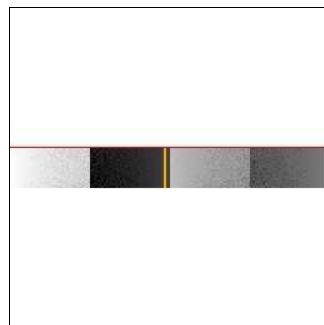
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1070.2915149331	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime7	1070.2915149331	Sum of GTIs [s]
date	2012-04-16T20:45:38	Date and time of file creation	l1events	1064	Number of level 1 events
revision	1	Processing version of data			

### 2.1.4 Events

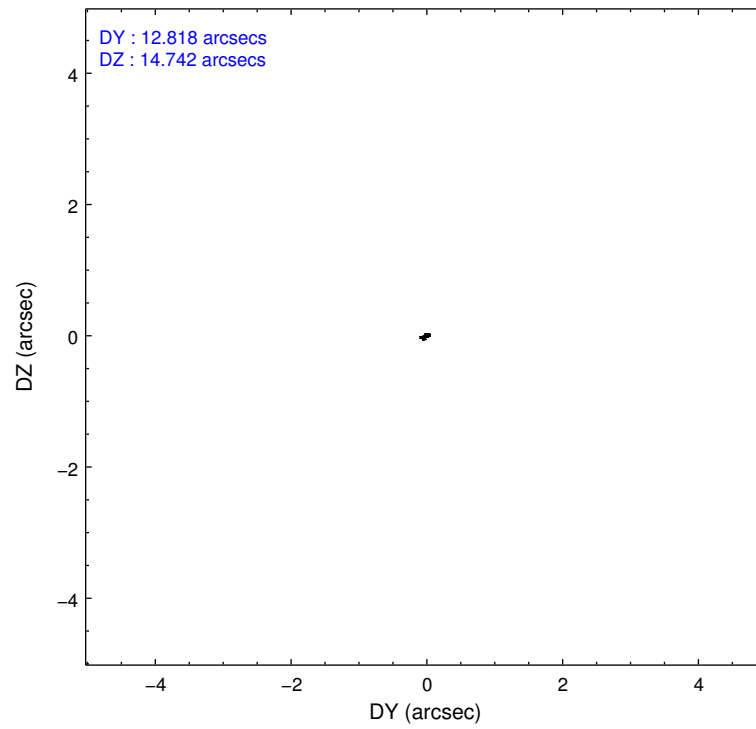
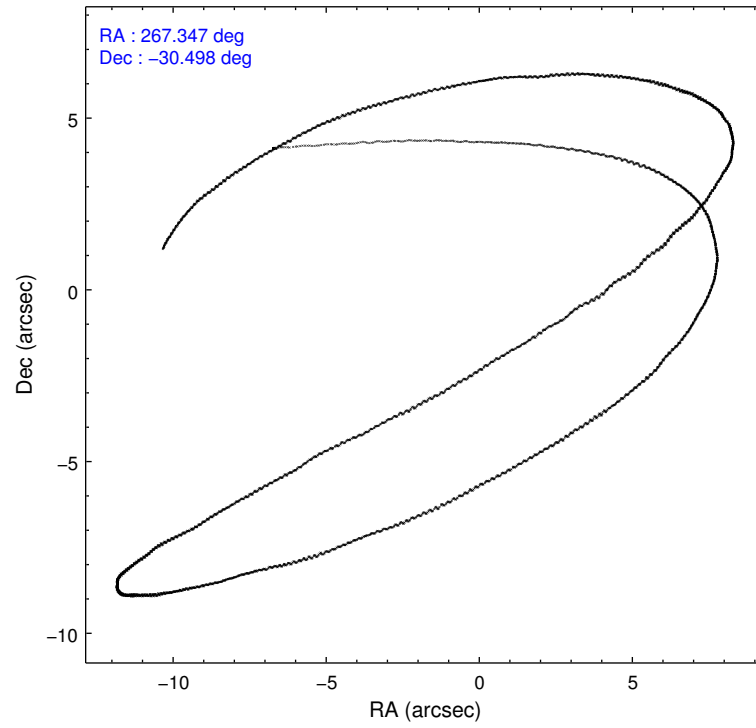
	<b>ccd 7</b>
level 1 events	1064
rejected events	523
rejected %	49%

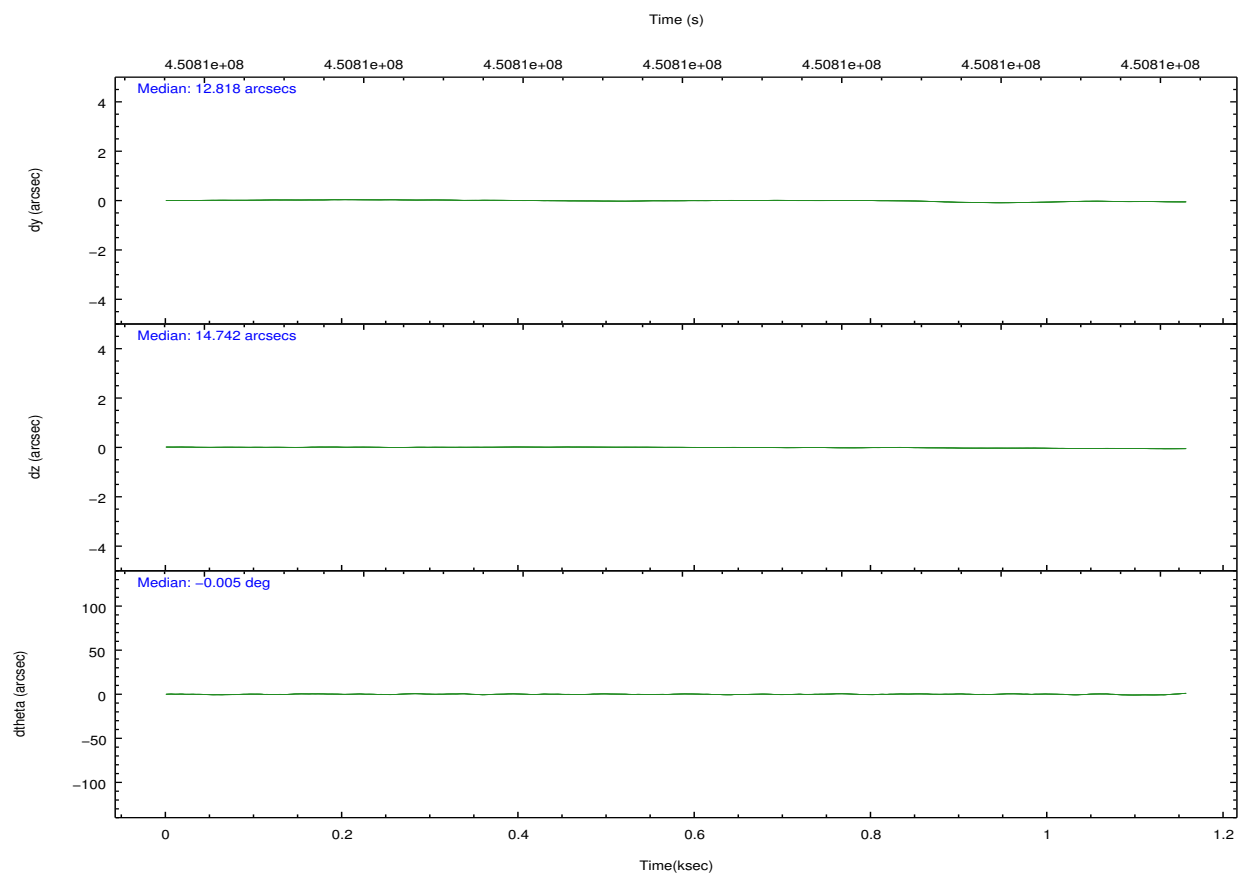
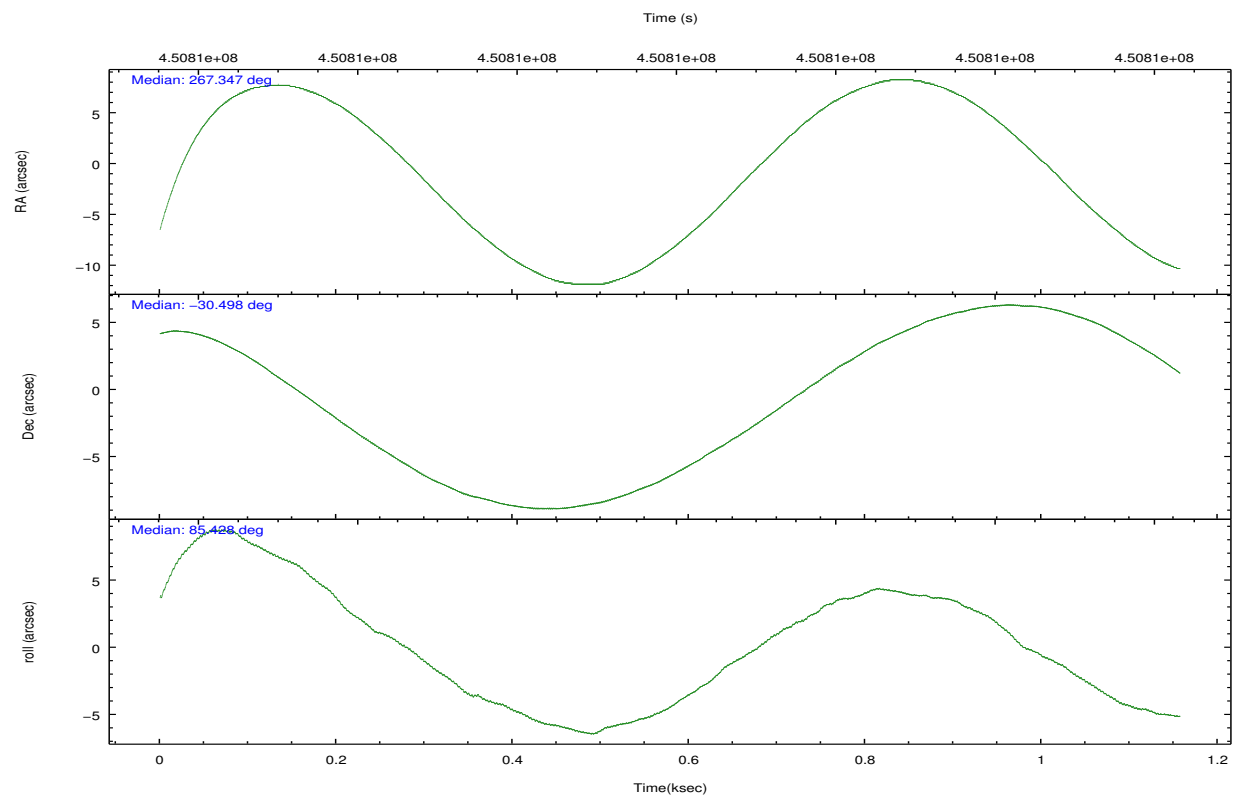
	<b>ccd 7</b>
grade 0 events	53
	4%
grade 1 events	2
	0%
grade 2 events	99
	9%
grade 3 events	80
	7%
grade 4 events	70
	6%
grade 5 events	82
	7%
grade 6 events	239
	22%
grade 7 events	439
	41%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	267.360301	267.3464548576886	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-30.522515	-30.4978182233866	Subarray start row	449	449
[deg] Pointing Roll	85.282647	85.43230374240561	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	450808575.184000	450807582.96224			
Observation start date	2012-04-14T16:35:09	2012-04-14T16:19:42			
[s] Observation end time (MET)	450809575.184000	450810760.97491			
Observation end date	2012-04-14T16:51:49	2012-04-14T17:12:40			
Read mode	TIMED	TIMED			

## 2.3 Aspect





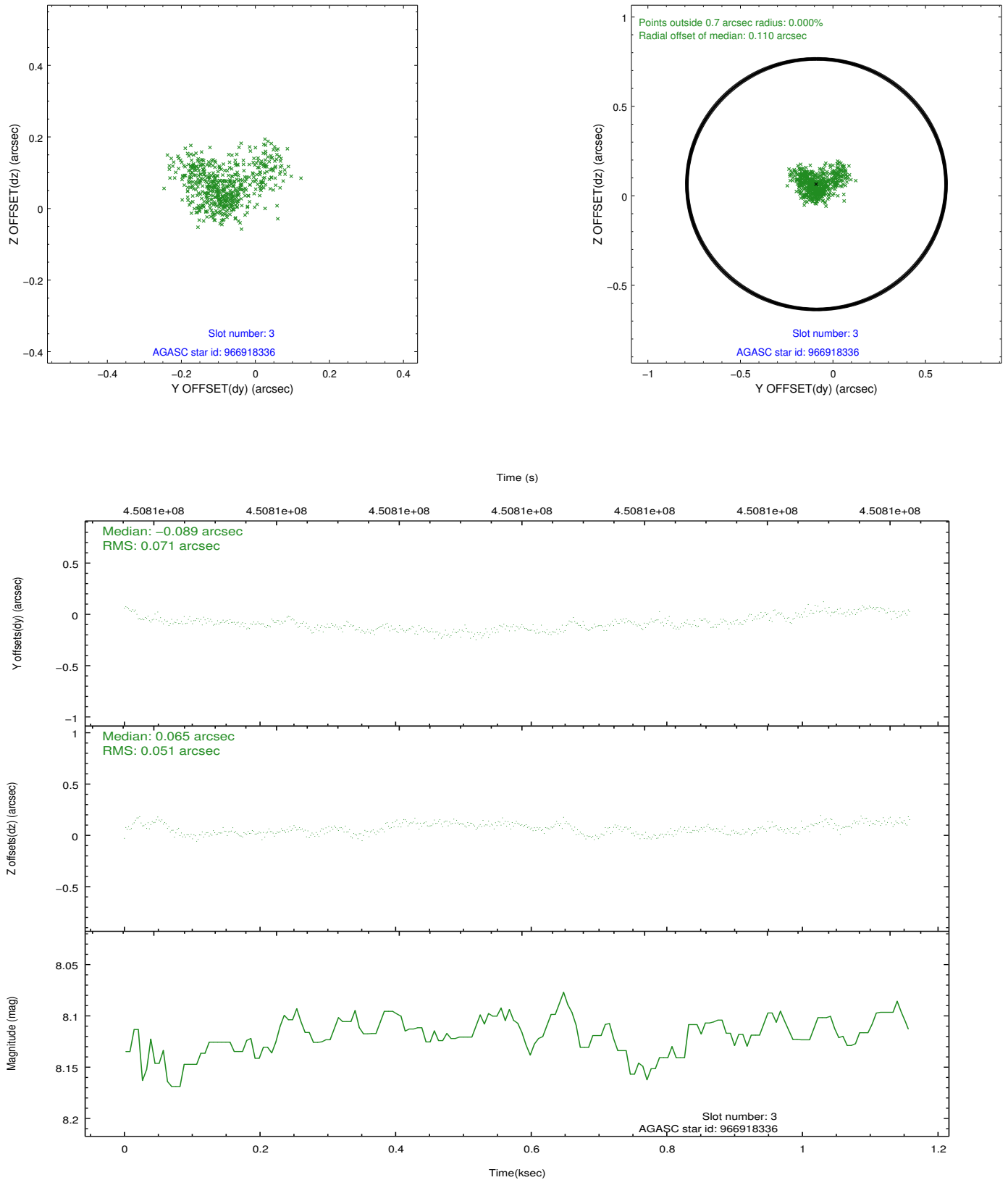
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.98	283	-0.063	-0.023	0.006	0.010	0.000000	0.000000	-765.76	-1736.14
1	FID	ACIS-S-4	7.07	283	0.199	0.037	0.006	0.009	0.000000	0.000000	2145.12	166.46
2	FID	ACIS-S-5	7.10	283	-0.167	-0.005	0.006	0.010	0.000000	0.000000	-1811.35	166.60
3	GUIDE	966918336	8.12	566	-0.089	0.065	0.093	0.158	267.709998	-30.955430	-1466.60	-1203.68
4	GUIDE	966918400	7.38	566	0.189	0.129	0.104	0.146	267.537101	-30.960086	-1528.30	-675.00
5	GUIDE	966926496	8.12	566	-0.080	-0.238	0.102	0.163	267.109389	-30.299474	731.74	842.96
6	GUIDE	898248800	8.23	566	-0.154	0.229	0.069	0.112	267.977609	-29.931731	2273.62	-1742.47
7	GUIDE	966924408	8.92	565	0.127	-0.200	0.103	0.160	266.982893	-30.897884	-1441.00	1047.89

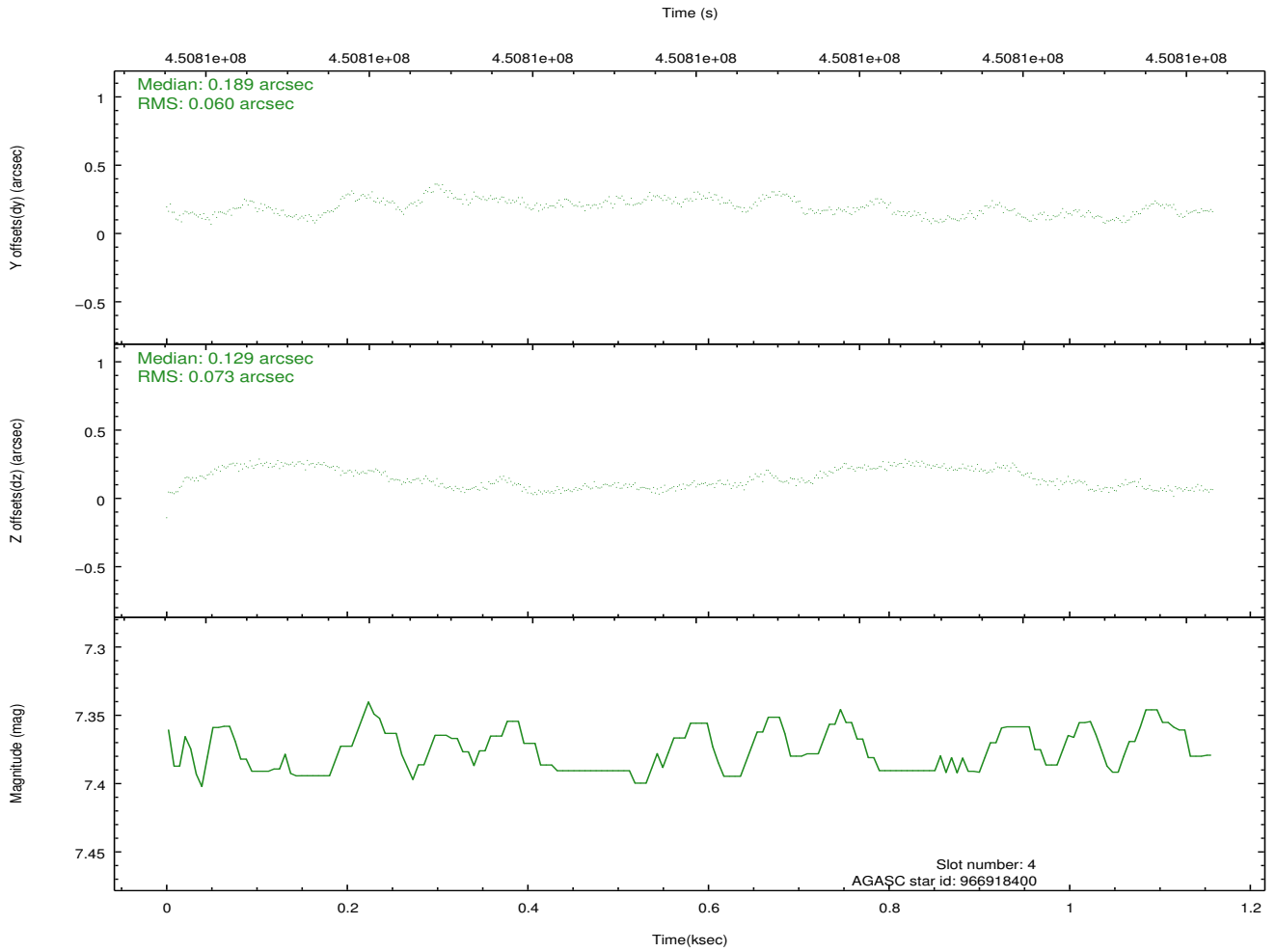
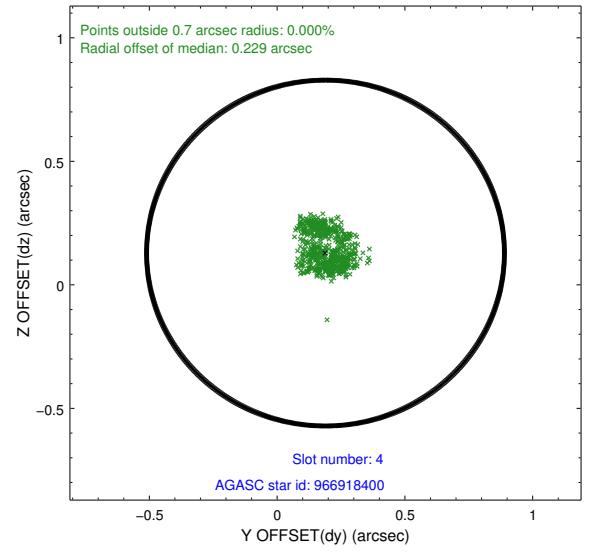
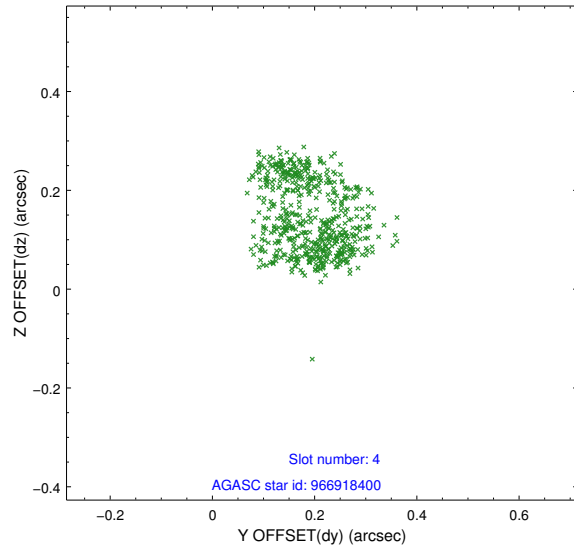


## 2.4 Star Slots

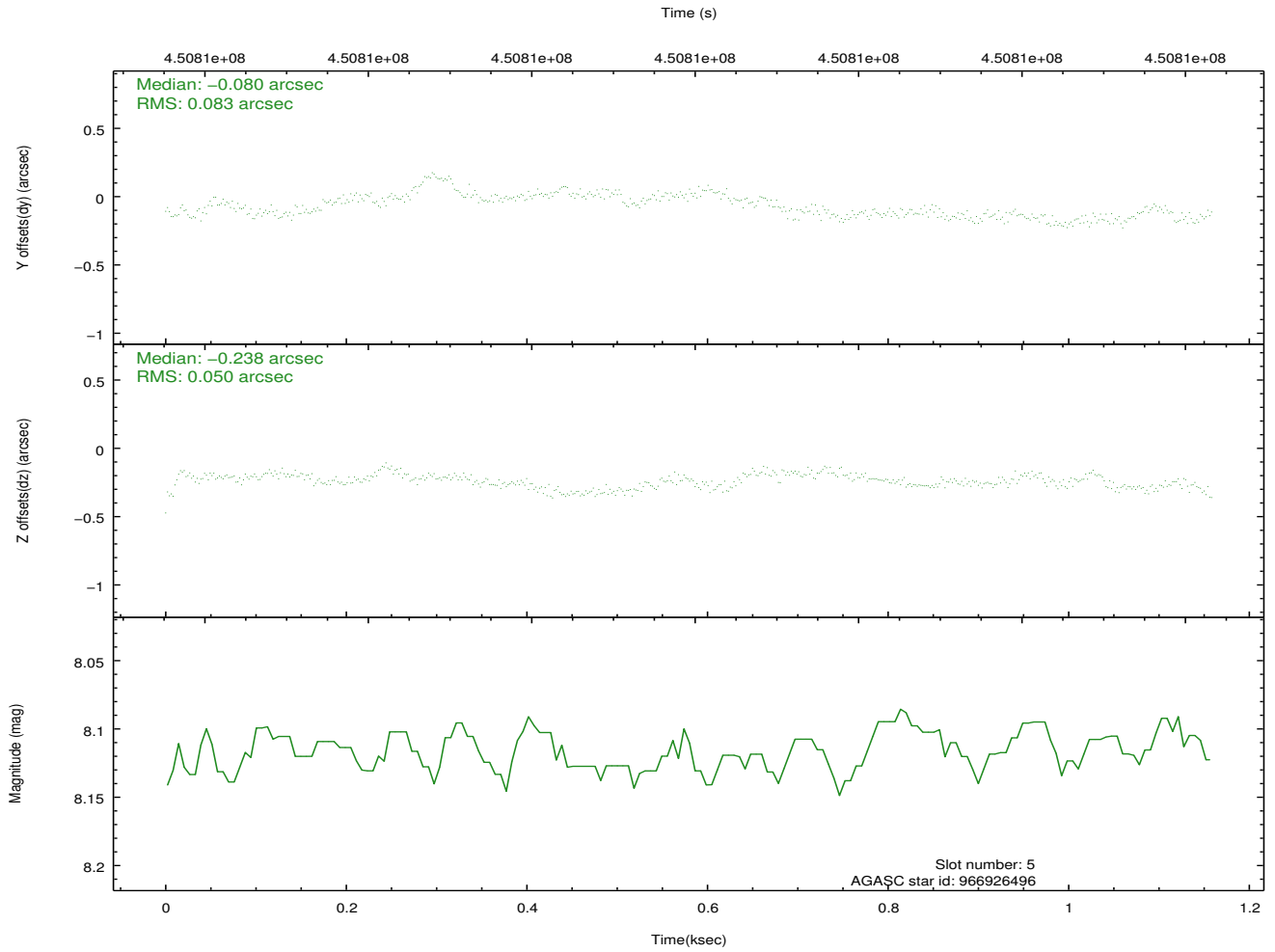
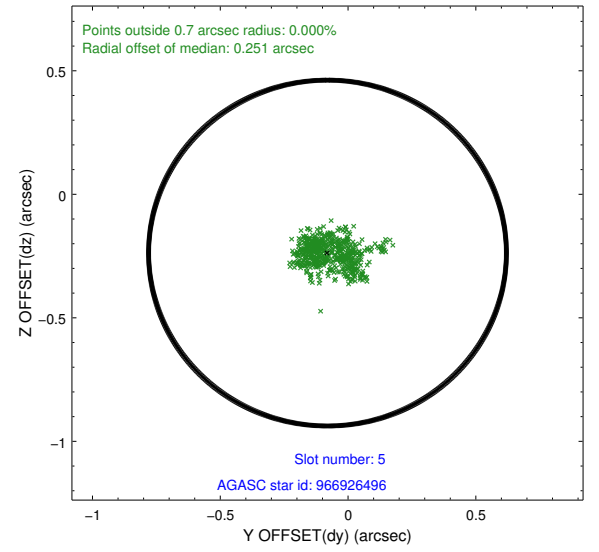
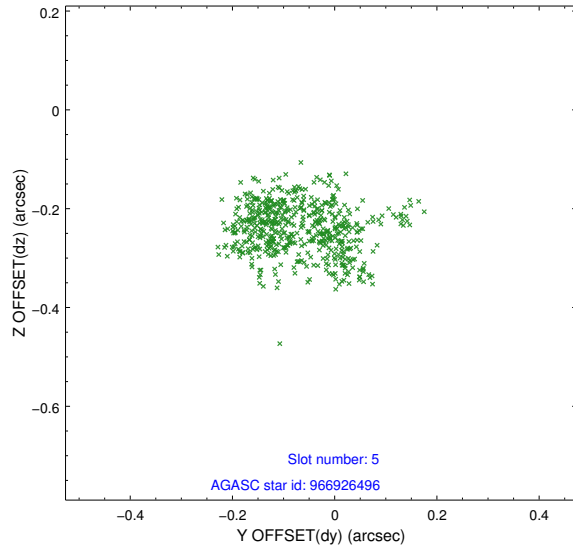
### 2.4.1 Slot 3



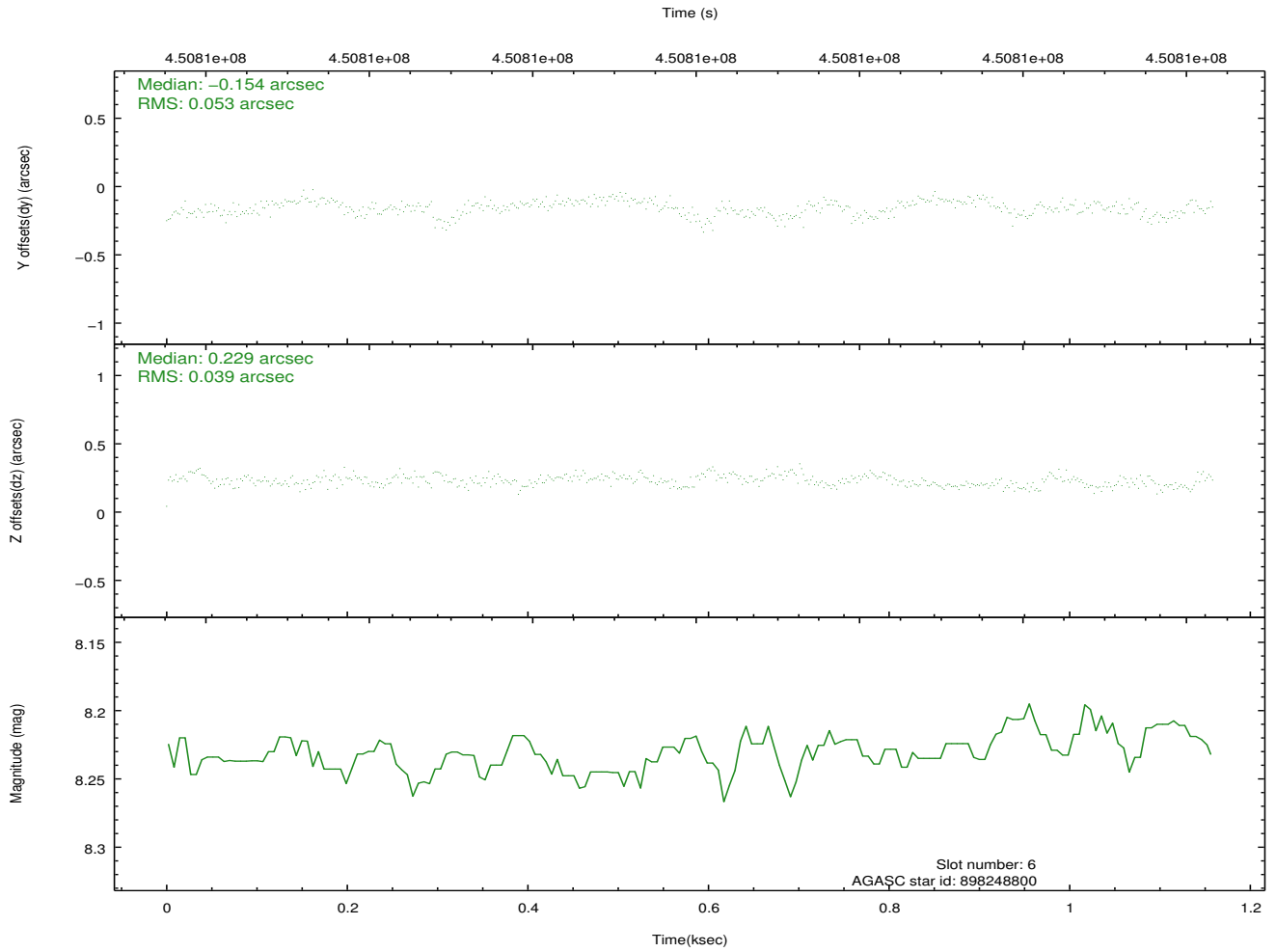
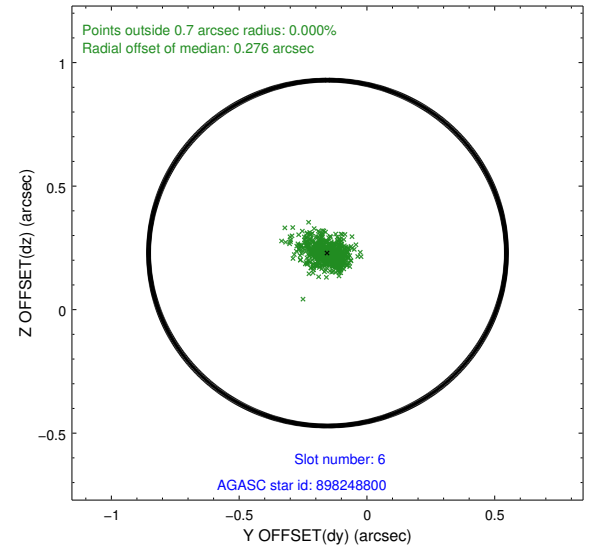
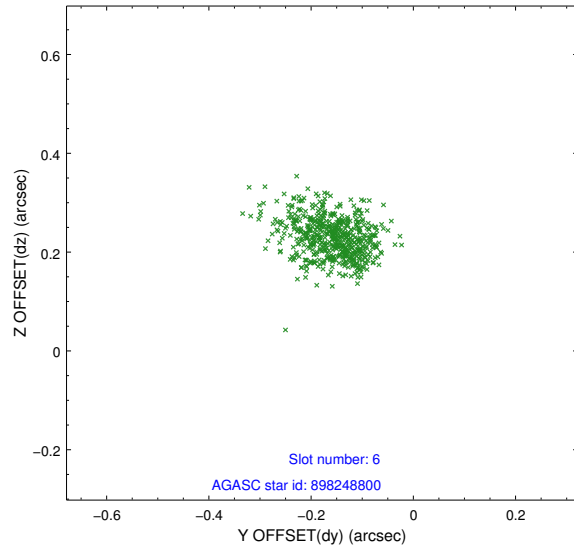
## 2.4.2 Slot 4



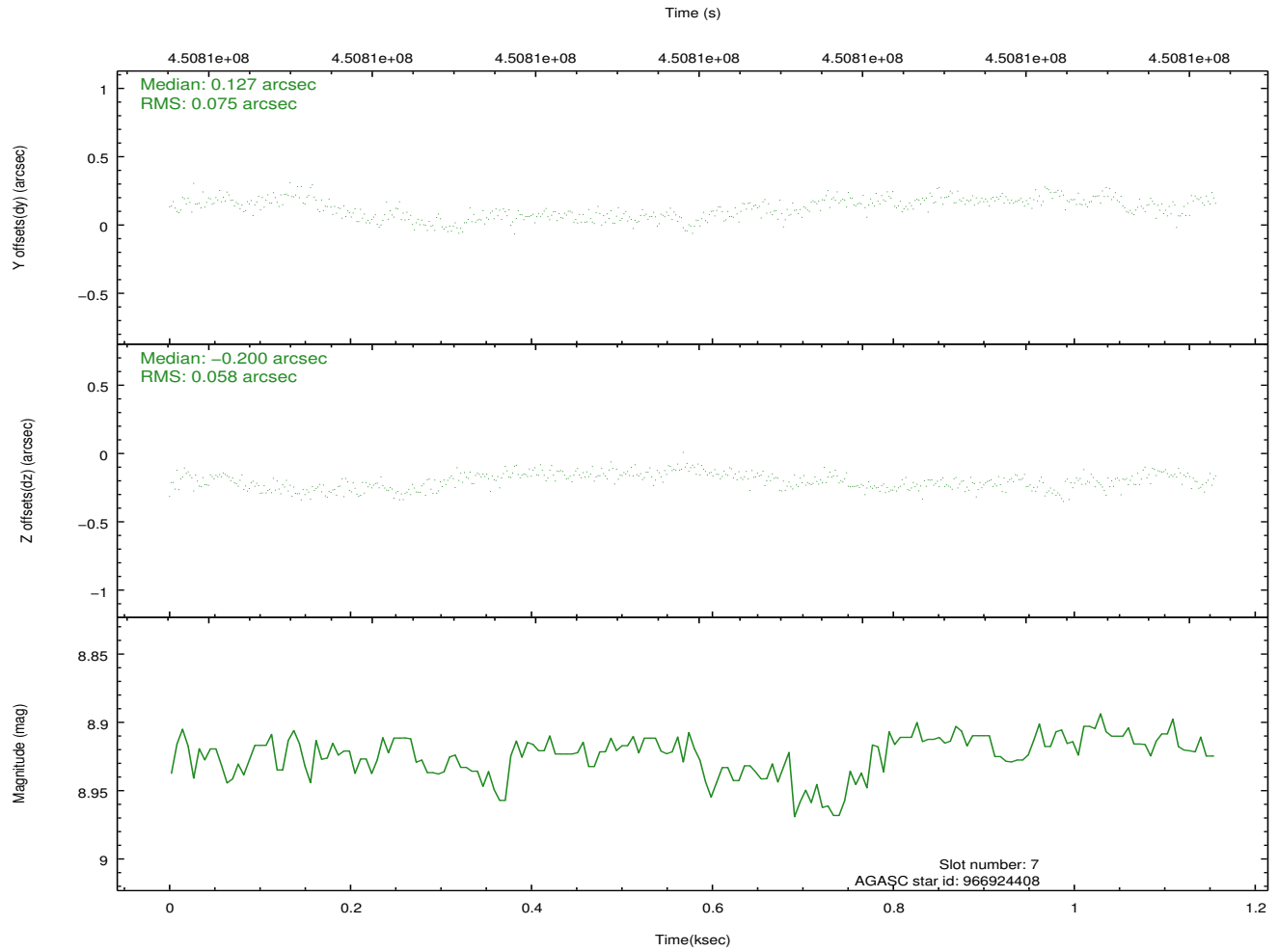
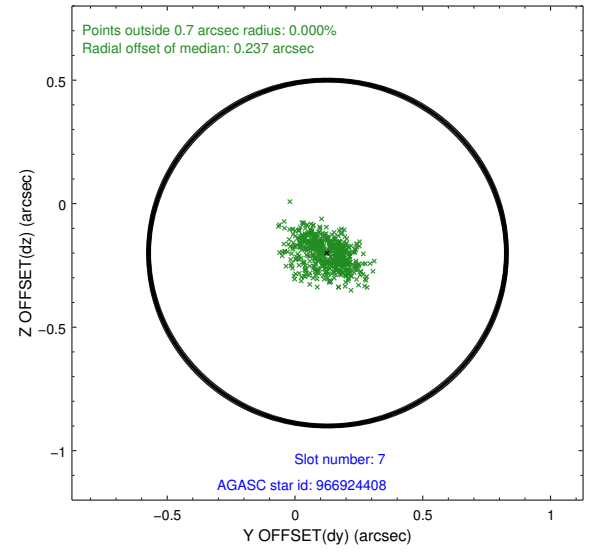
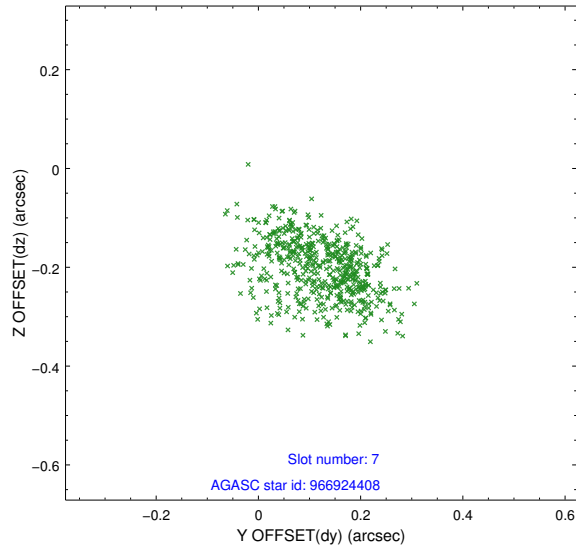
### 2.4.3 Slot 5



## 2.4.4 Slot 6

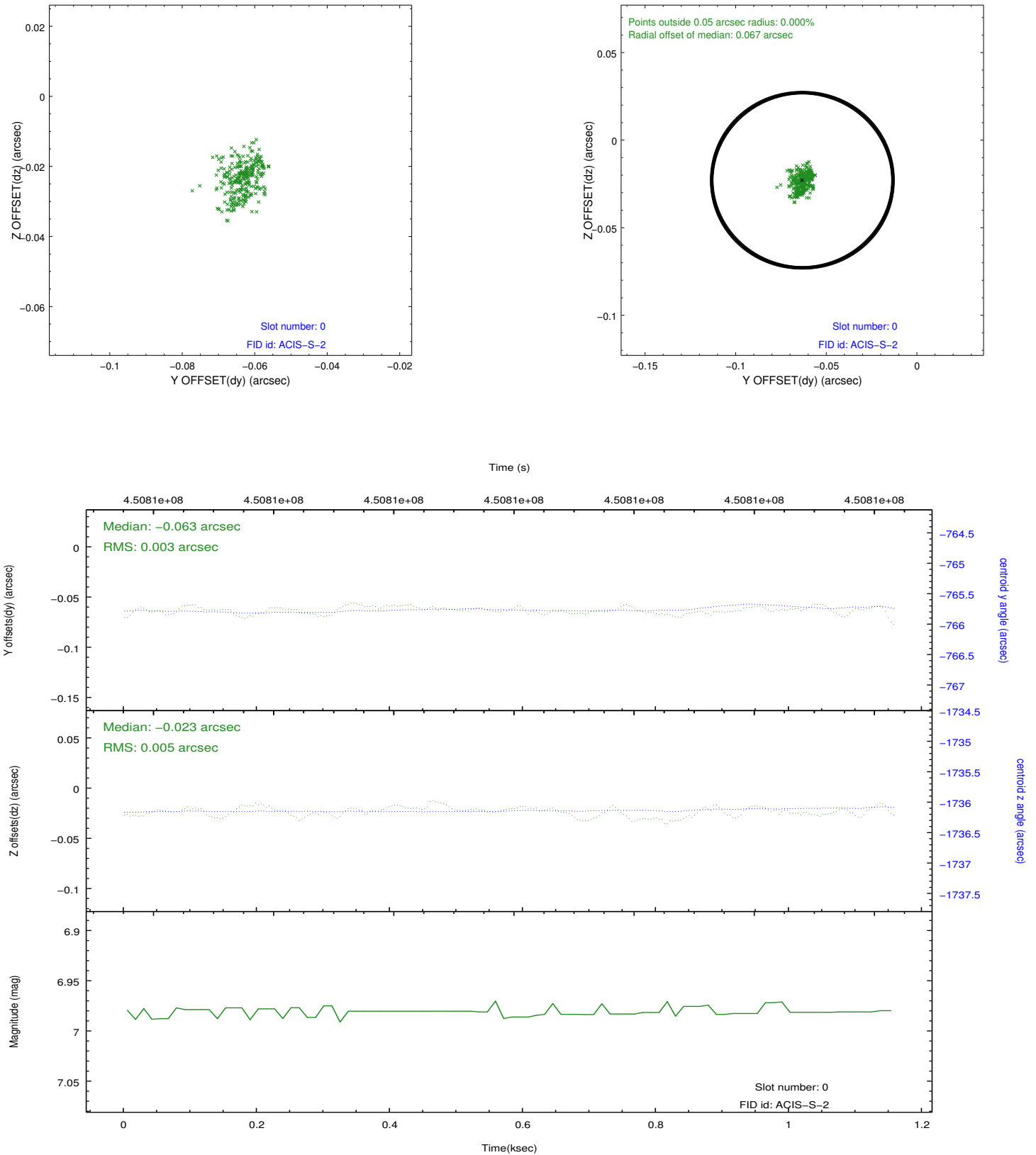


## 2.4.5 Slot 7

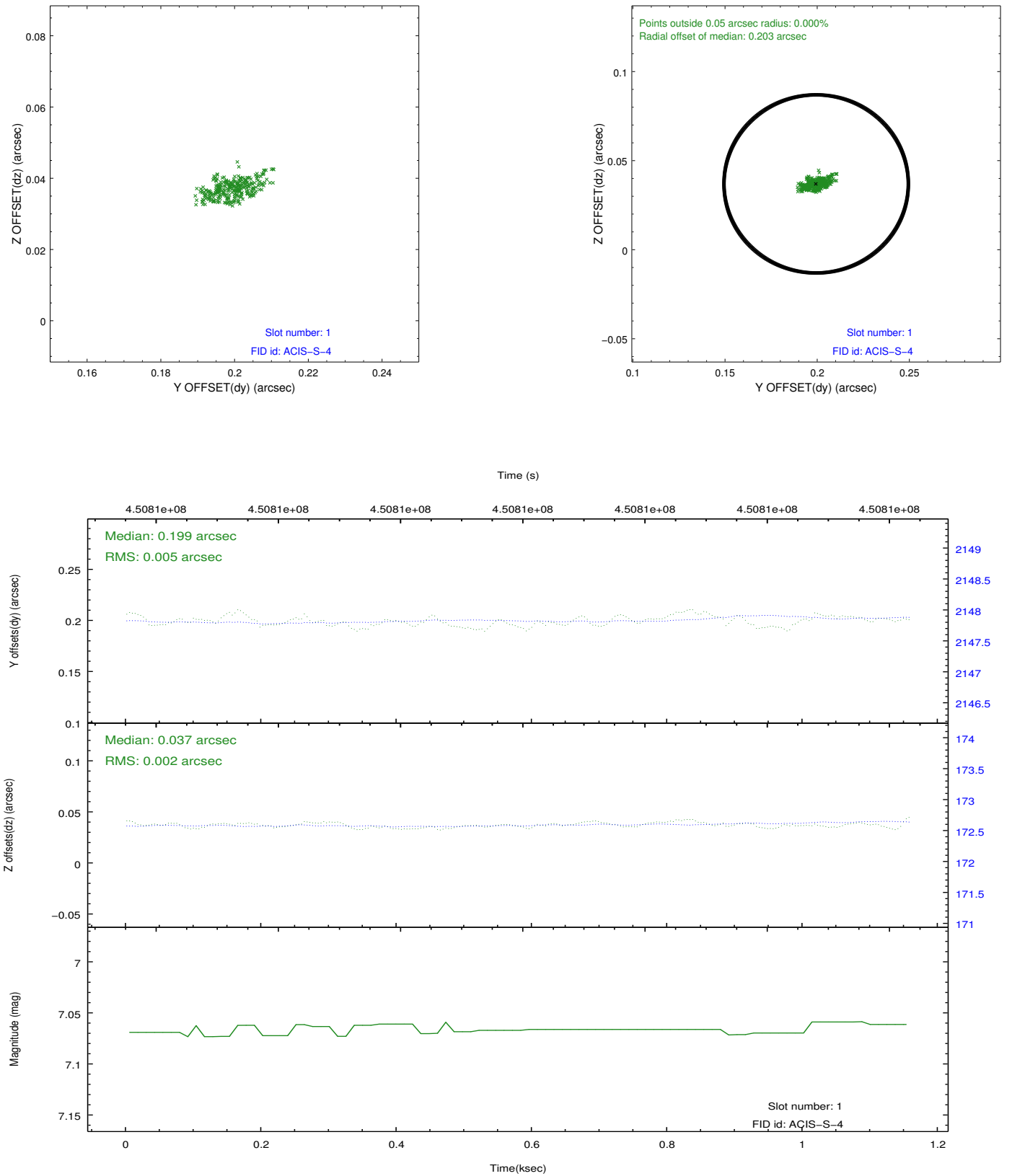


## 2.5 FID Slots

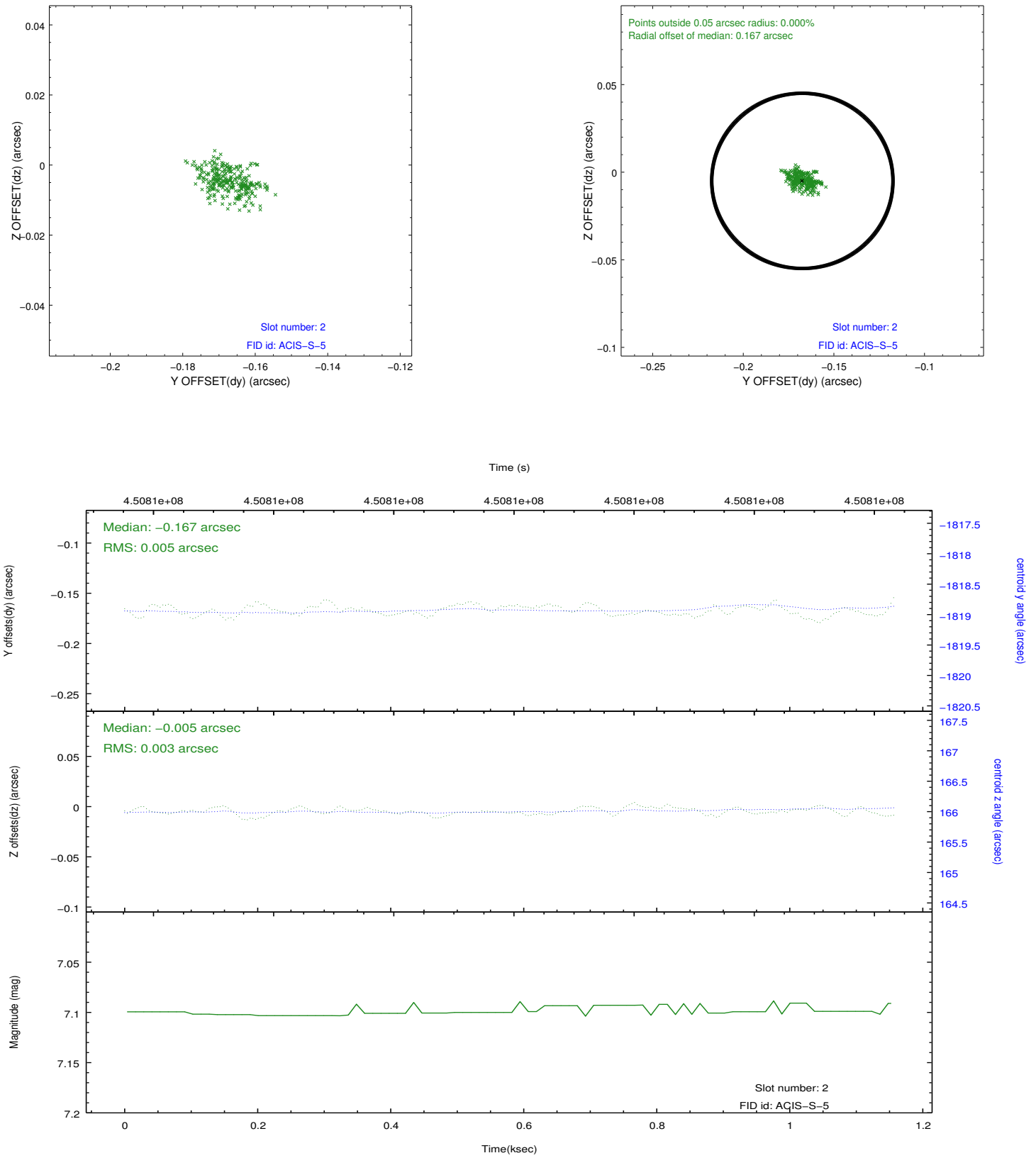
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.0702915149331

## A.2 Comments

Warning: This obsid was acquired at an extremely high Focal Plane temperature right after the spacecraft came out of the rad zone. The standard calibrations are not applicable at these high temperatures and the obsid fails to process due to lack of appropriate calibrations at high temperatures. A manual workaround was employed to force the standard calibrations to be used. If the users are concerned about the validity of the data, they should contact HelpDesk for specific information. Note that all events are including in the GTI, but that might not be correct because of the calibration files applied to the data.