

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 14055 - L2 Version 2  
Chandra X-Ray Center

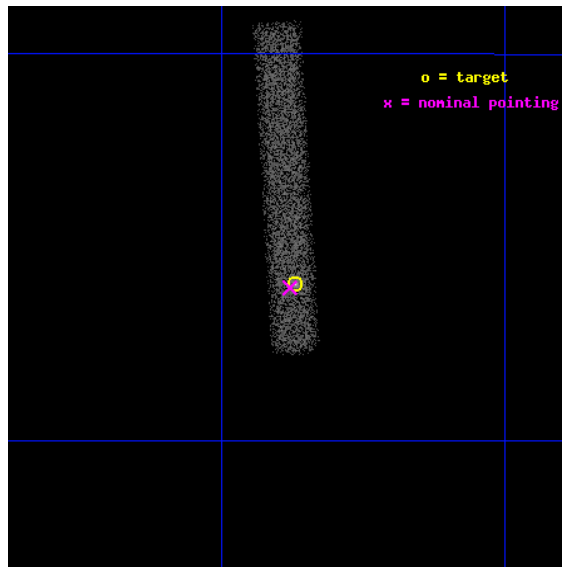
L2 Processing Date : Feb 22 2012

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# 1 Front

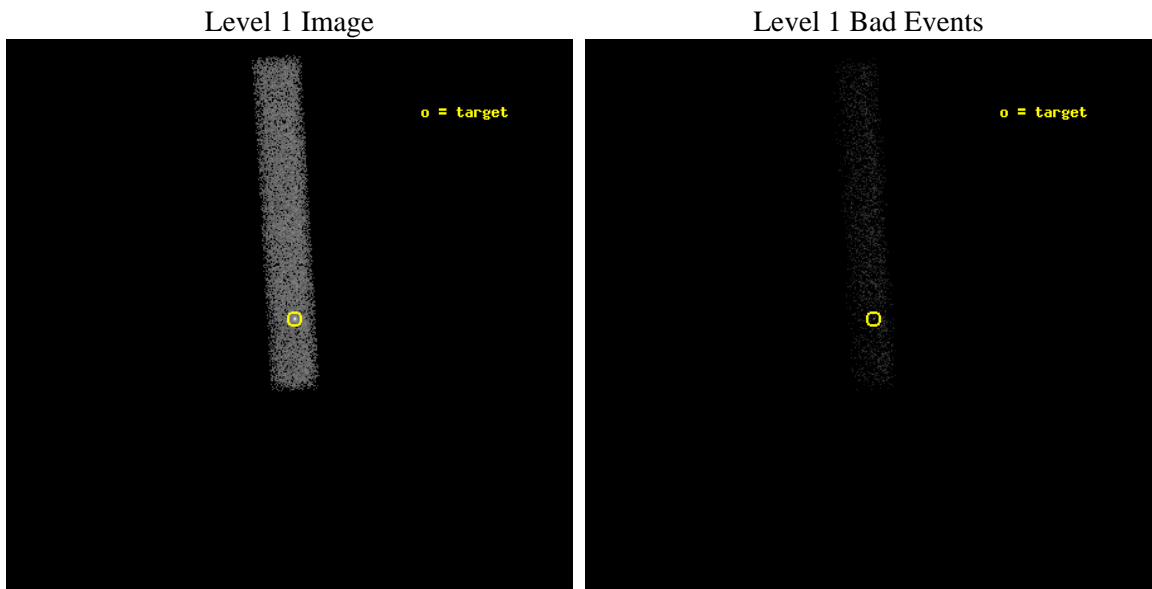
seq_num	501640	Sequence number
obs_id	14055	Observation id
title	PROMPT STUDY OF MAGNETAR OUTBURSTS WITH CHANDRA	Proposal title
observer	Dr. Nanda Rea	Principal investigator
object	Swift J1834.9-0846	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.717167	Observer's specified target RA [deg]
dec_targ	-8.765547	Observer's specified target Dec [deg]
ra_nom	278.71967509423	Nominal RA [deg]
dec_nom	-8.7673309962892	Nominal Dec [deg]
roll_nom	266.66539329463	Nominal Roll [deg]
revision	2	Processing version of data
ontime	18010.398926497	Sum of GTIs [s]
livetime	16334.481159529	Livetime [s]
ontime7	18010.398926497	Sum of GTIs [s]
l2events	10744	Number of level 2 events



## 2 OBI

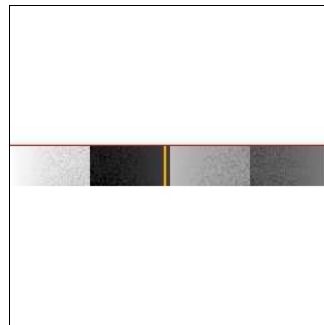
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	18000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	18010.398926497	Sum of GTIs [s]
caldbver	4.4.8	&#160	ontime7	18010.398926497	Sum of GTIs [s]
date	2012-02-22T06:52:07	Date and time of file creation	l1events	21008	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

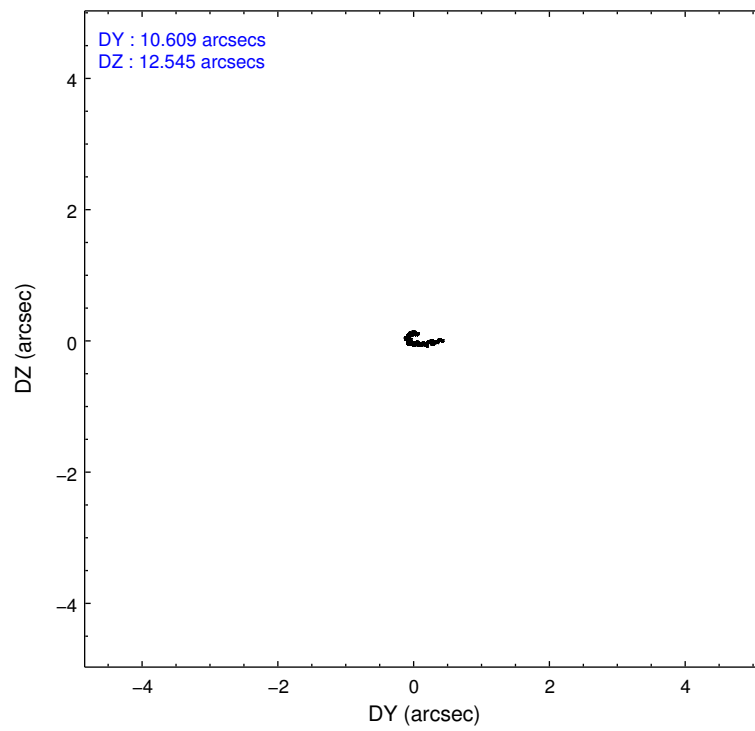
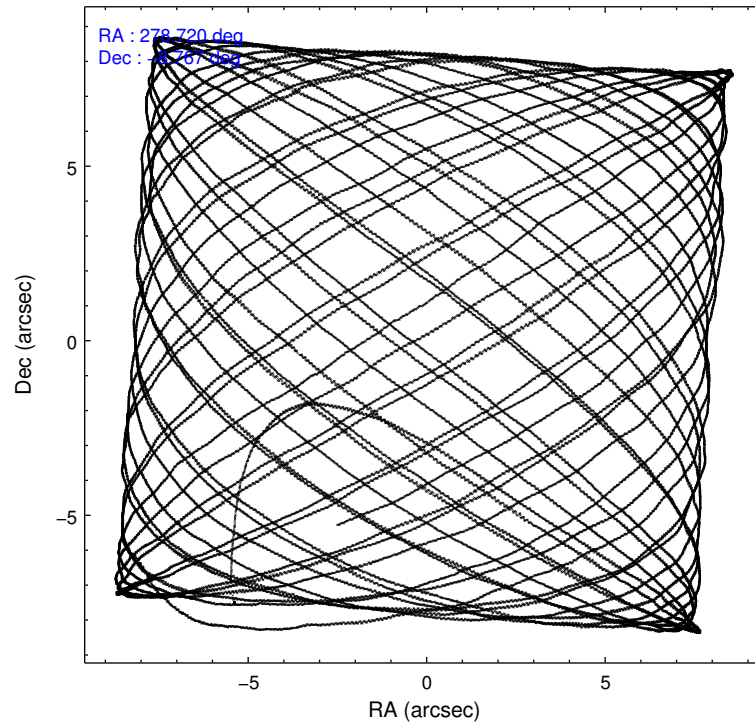
	<b>ccd 7</b>
level 1 events	21008
rejected events	9860
rejected %	46%

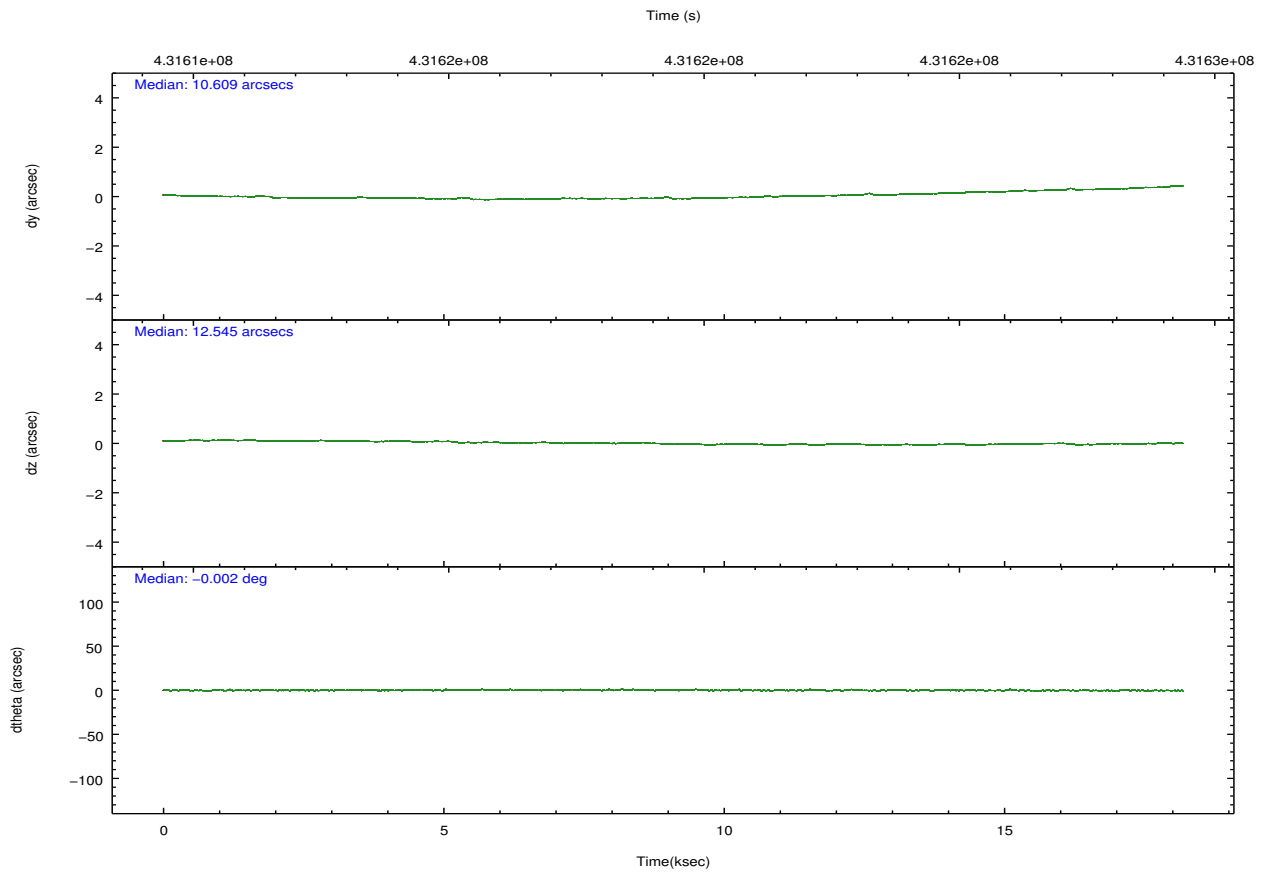
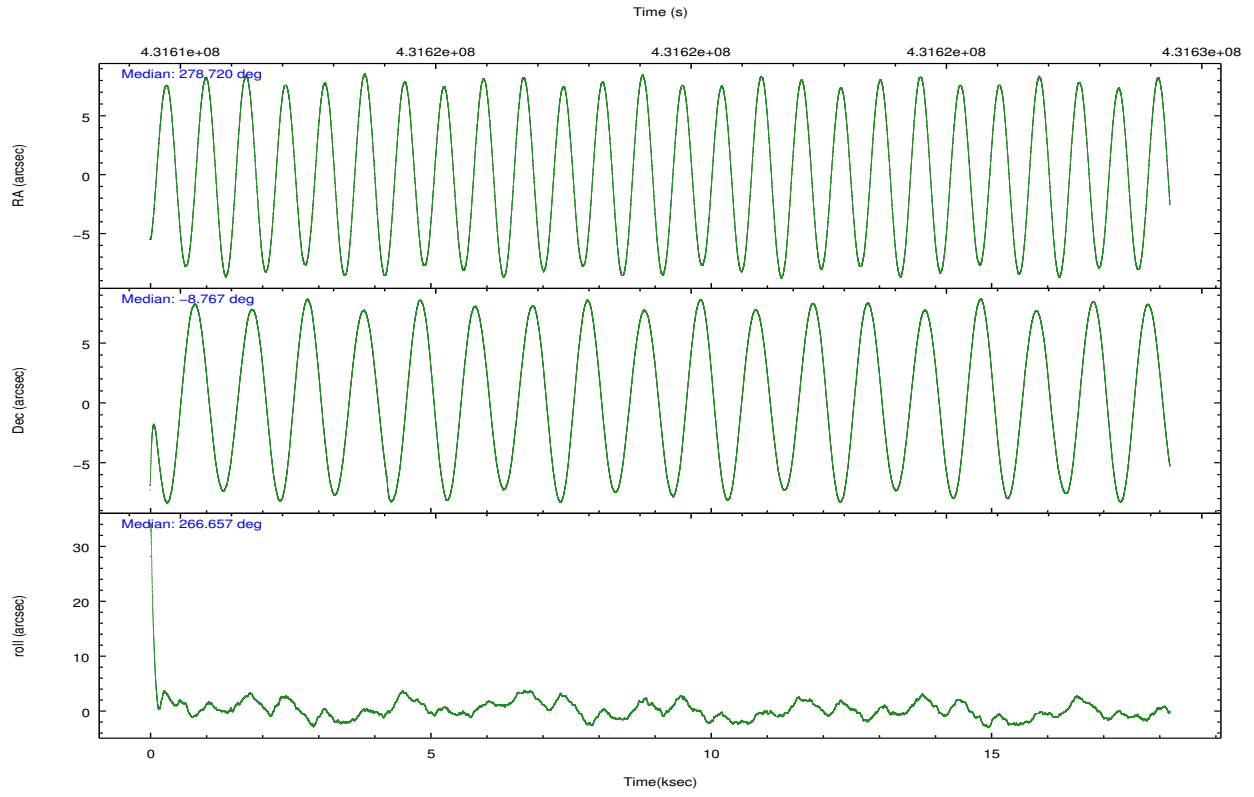
	<b>ccd 7</b>
grade 0 events	1257
	5%
grade 1 events	26
	0%
grade 2 events	2247
	10%
grade 3 events	1476
	7%
grade 4 events	1373
	6%
grade 5 events	2044
	9%
grade 6 events	4795
	22%
grade 7 events	7790
	37%

## 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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	278.706897	278.7196750942265	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-8.743050	-8.767330996289241	Subarray start row	449	449
[deg] Pointing Roll	266.506794	266.6653932946325	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)	431610484.184000	431609583.28684			
Observation start date	2011-09-05T11:46:58	2011-09-05T11:33:03			
[s] Observation end time (MET)	431628484.184000	431628933.75035			
Observation end date	2011-09-05T16:46:58	2011-09-05T16:55:33			
Read mode	TIMED	TIMED			

## 2.3 Aspect



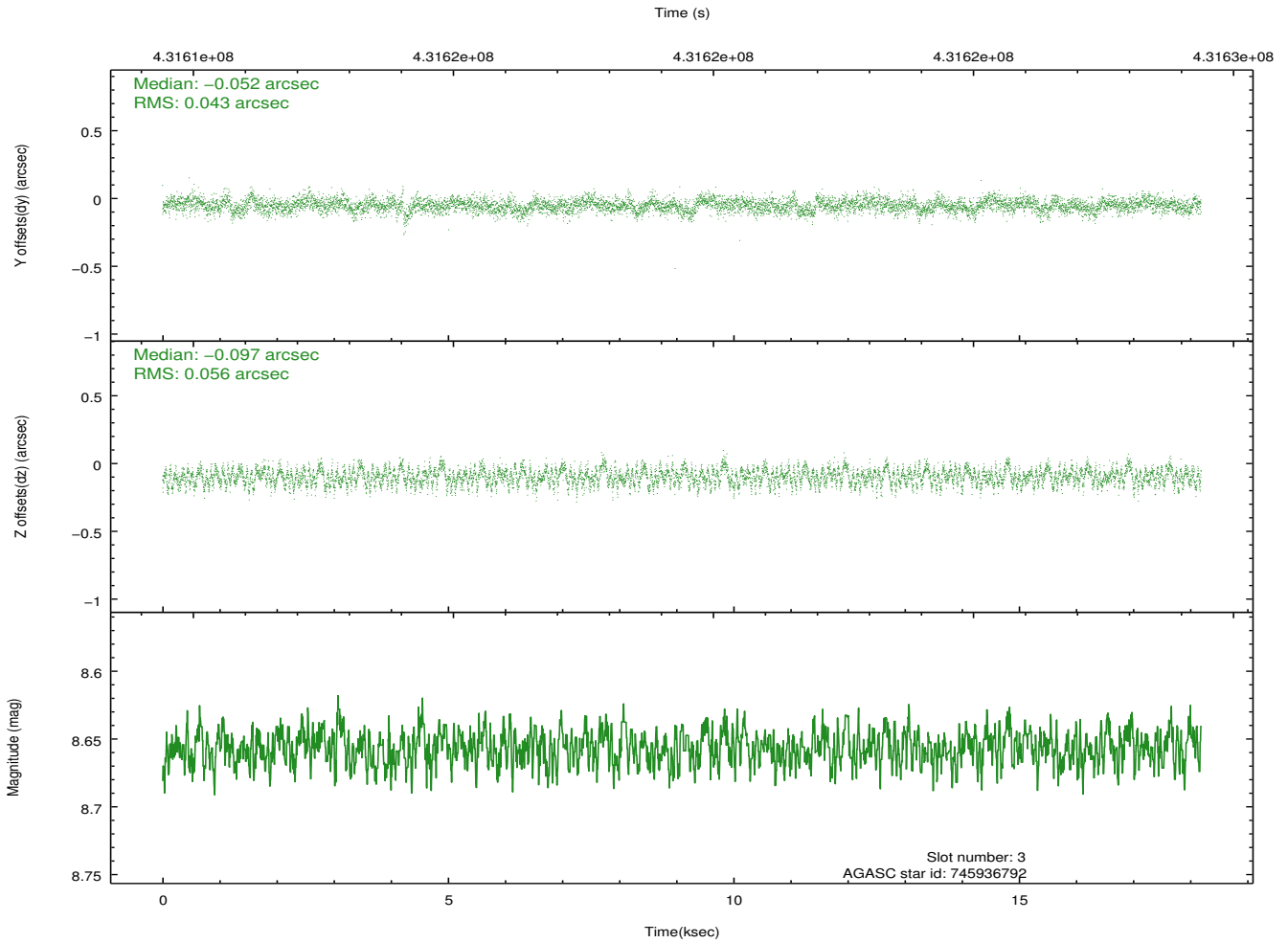
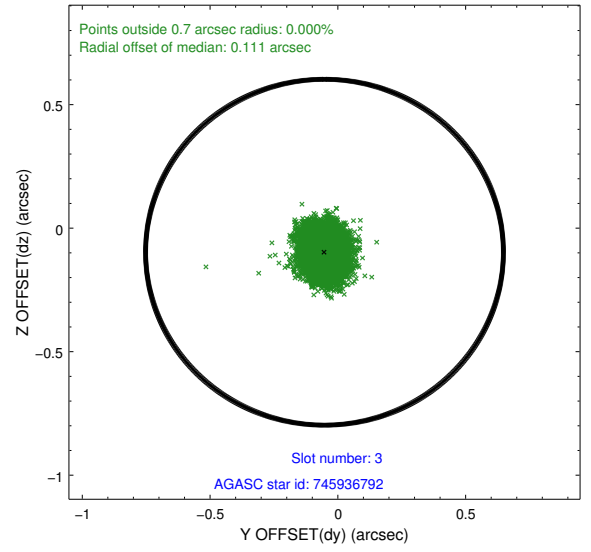
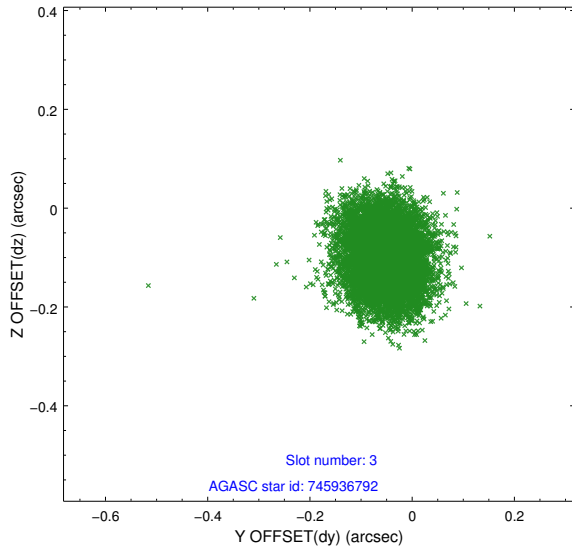


### Slot Statistics

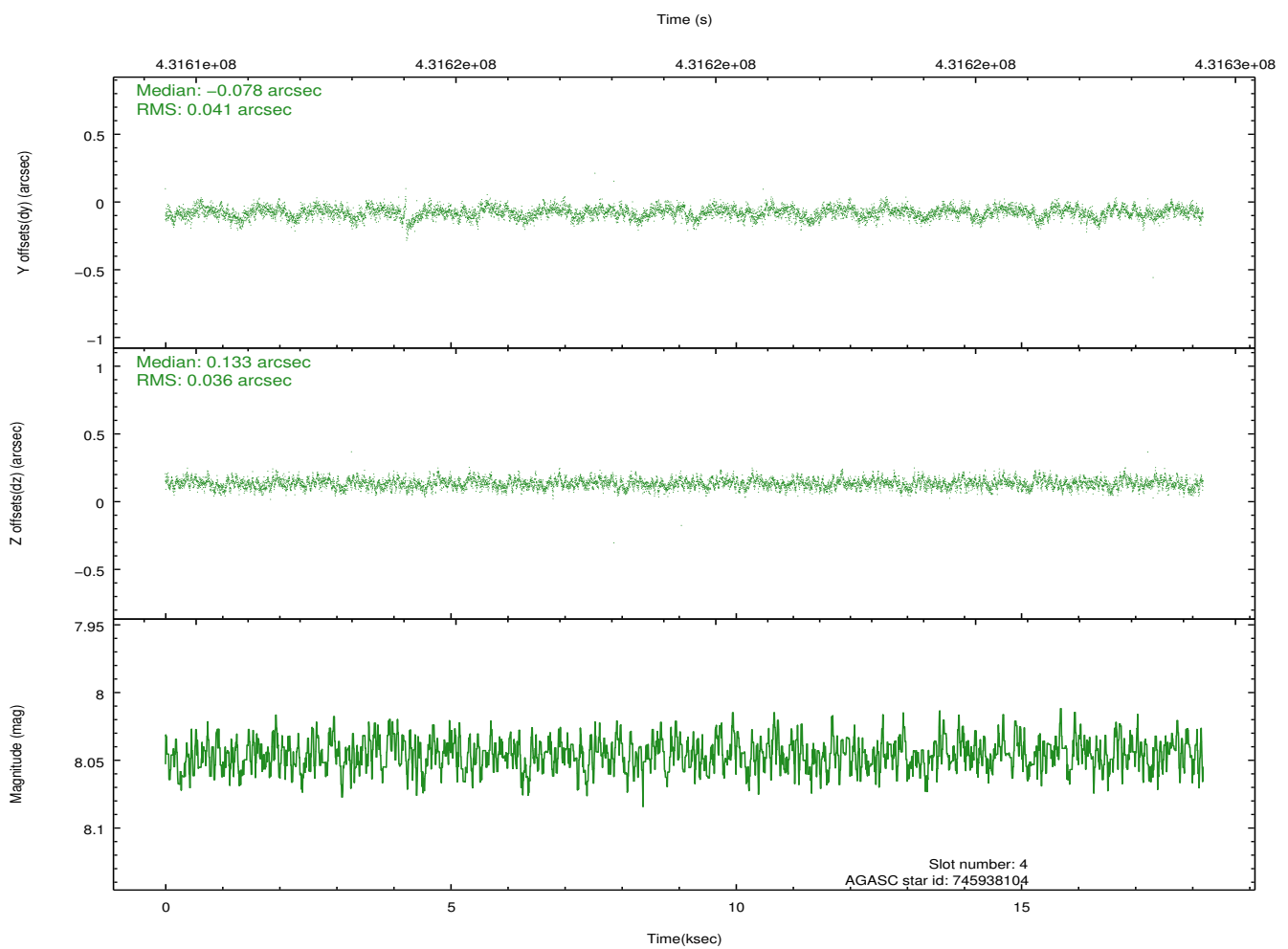
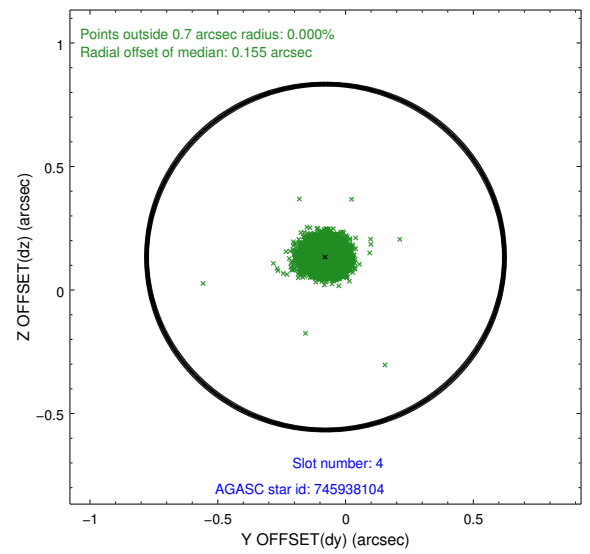
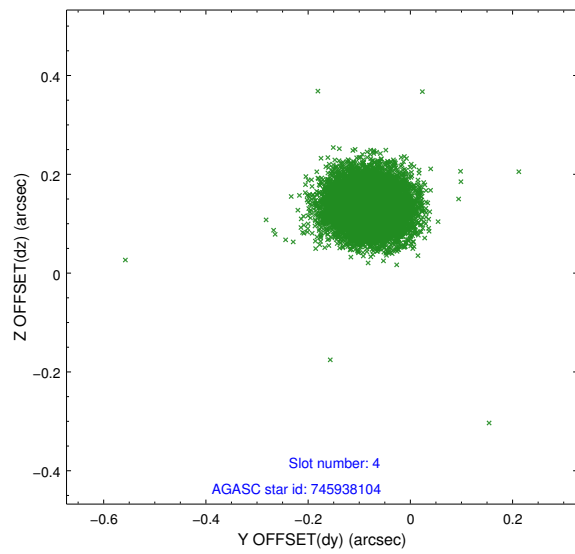
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	4437	-0.044	-0.050	0.007	0.013	0.000000	0.000000	-763.60	-1733.90
1	FID	ACIS-S-4	6.97	4435	0.186	0.035	0.006	0.014	0.000000	0.000000	2149.86	174.35
2	FID	ACIS-S-5	7.00	4436	-0.174	0.024	0.009	0.017	0.000000	0.000000	-1816.23	168.38
3	GUIDE	745936792	8.66	8866	-0.052	-0.097	0.076	0.122	278.841392	-9.051493	1079.43	544.89
4	GUIDE	745938104	8.05	8862	-0.078	0.133	0.057	0.093	279.090231	-8.877678	401.51	1390.67
5	GUIDE	745938592	8.61	8868	-0.172	0.017	0.063	0.102	279.317497	-8.670287	-392.28	2153.18
6	GUIDE	745932928	9.37	8866	-0.161	-0.124	0.111	0.177	278.034432	-8.686351	-55.40	-2400.94
7	GUIDE	746460752	8.67	8869	0.464	0.070	0.079	0.123	278.807572	-9.403686	2352.80	501.87

## 2.4 Star Slots

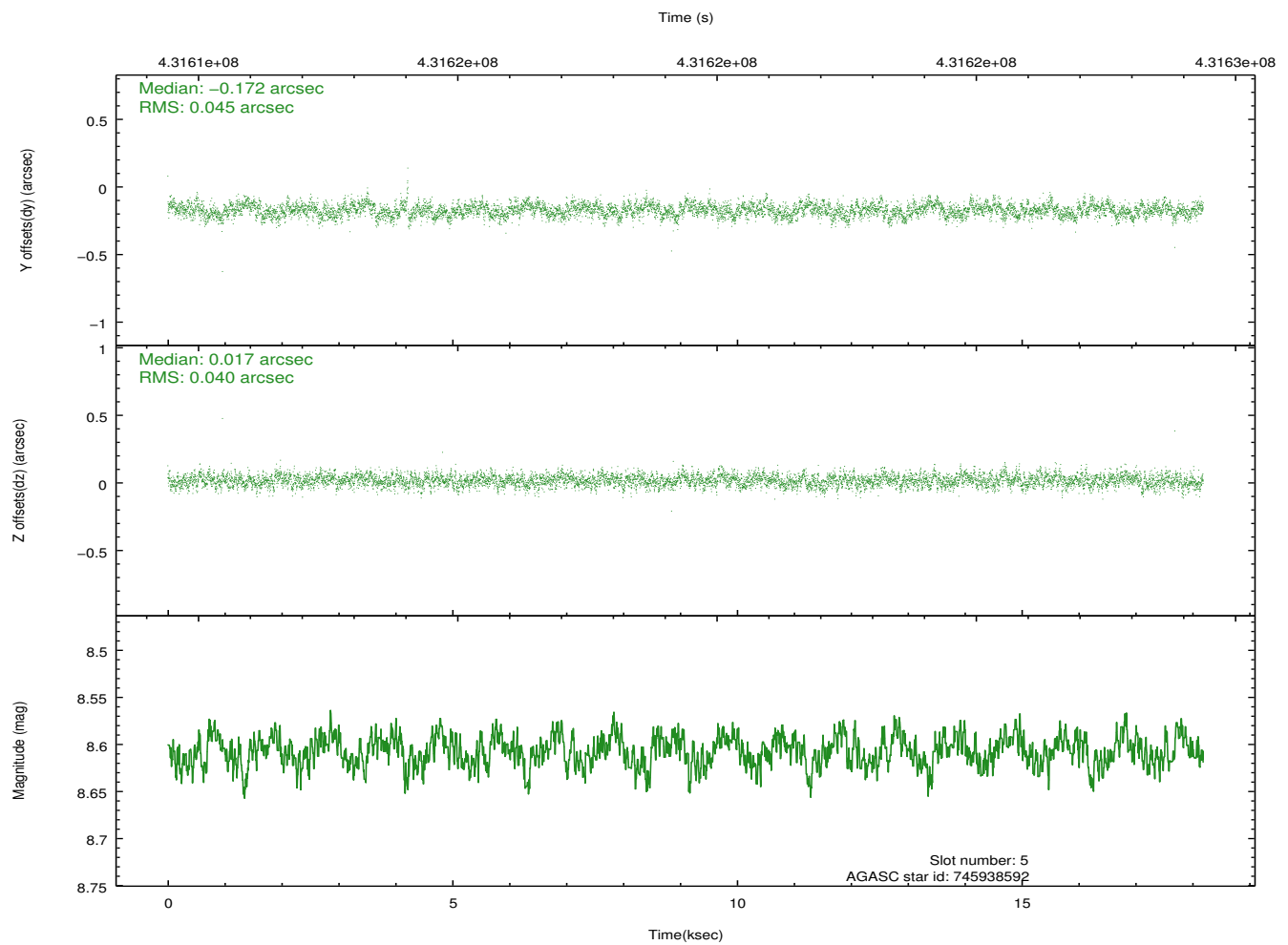
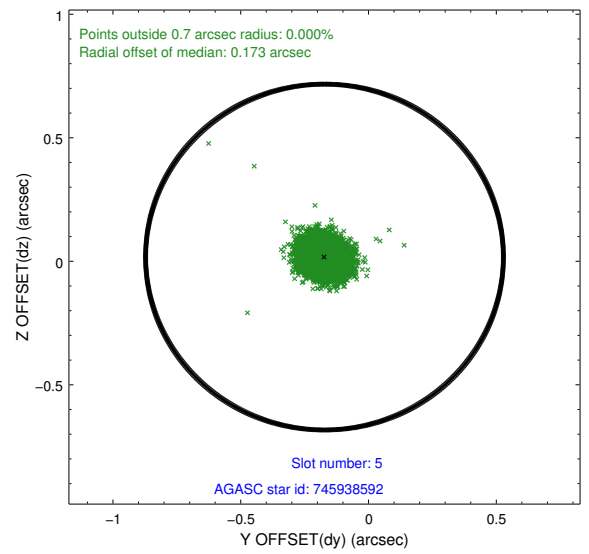
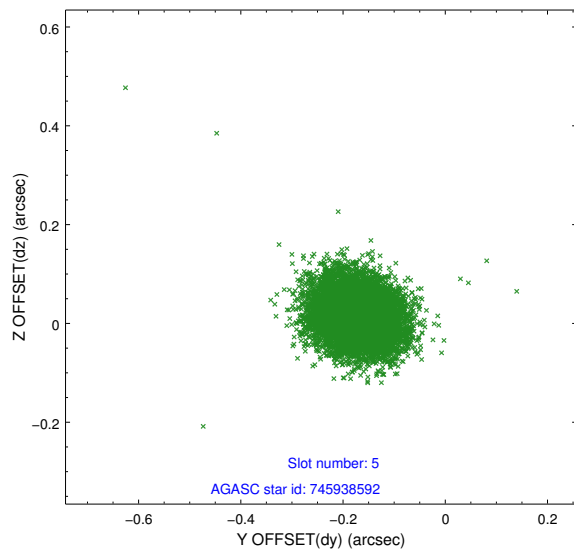
### 2.4.1 Slot 3



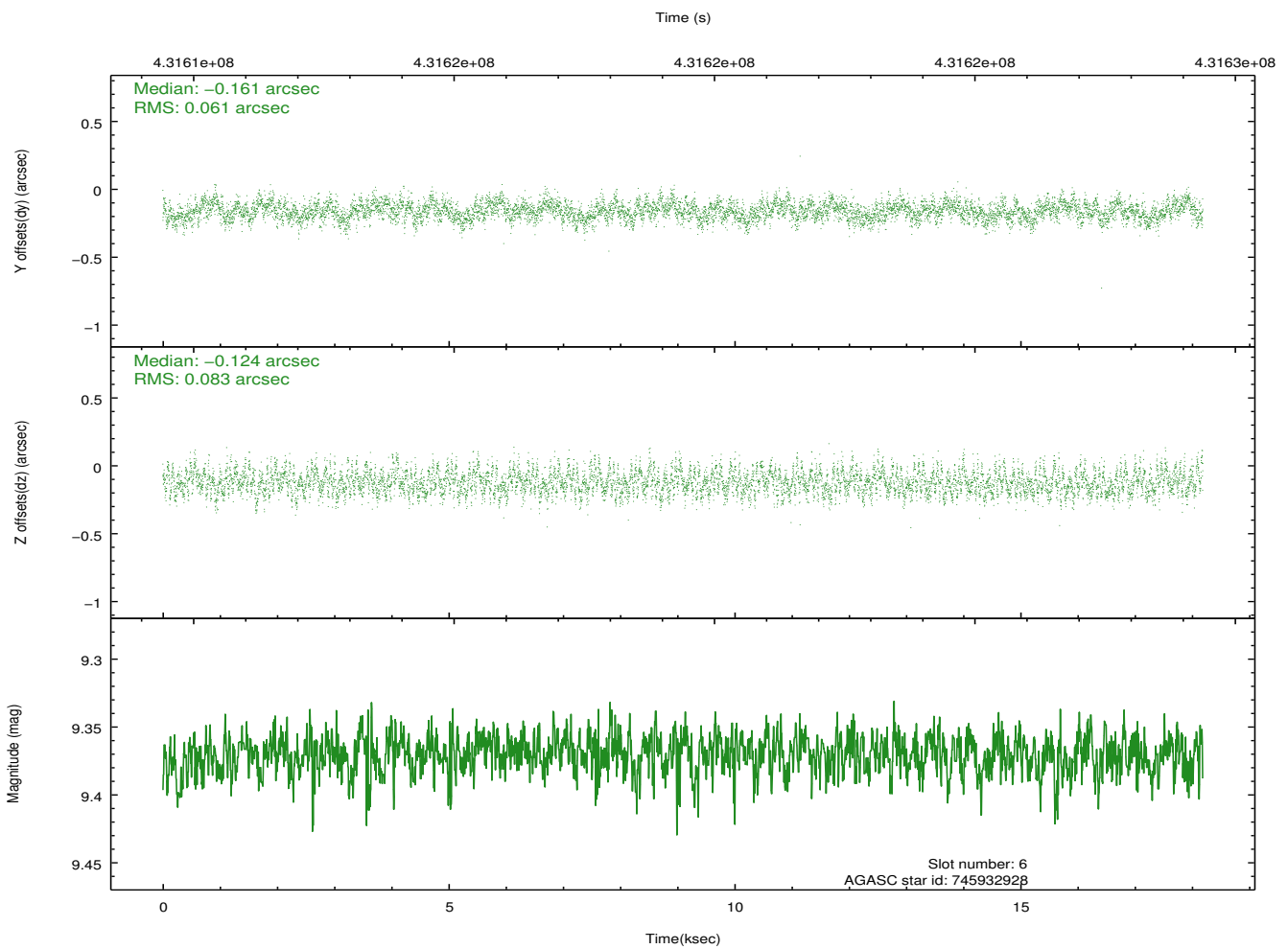
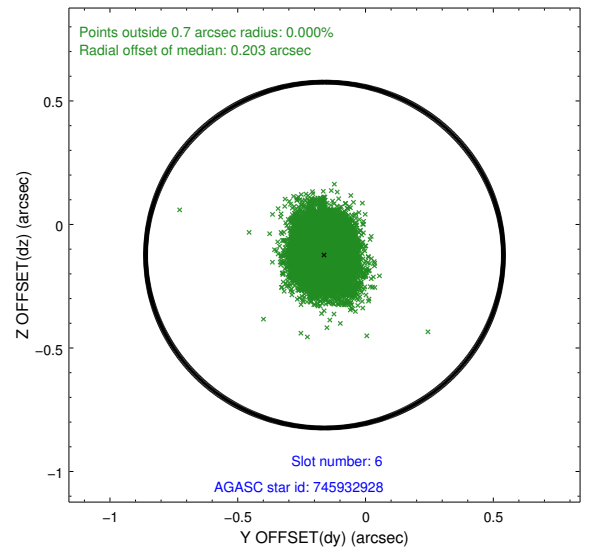
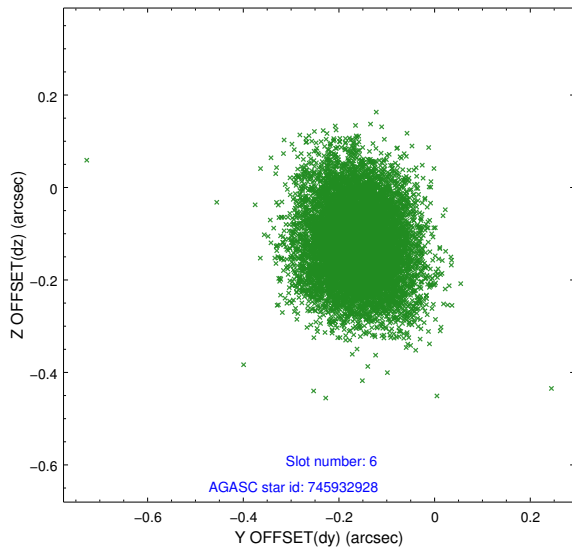
## 2.4.2 Slot 4



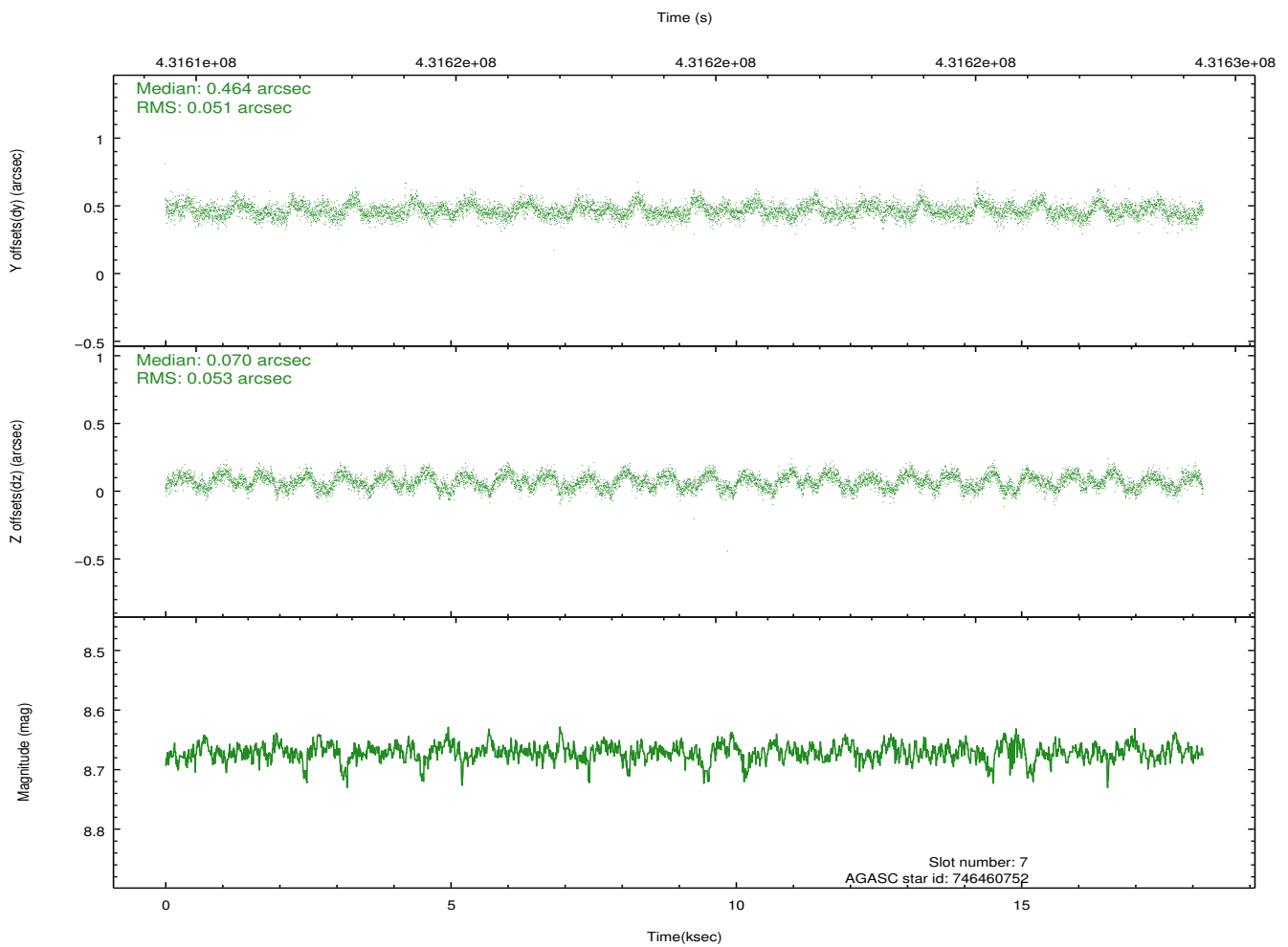
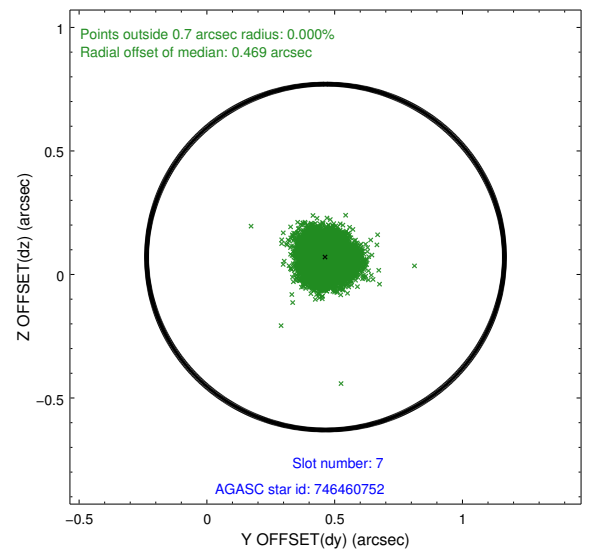
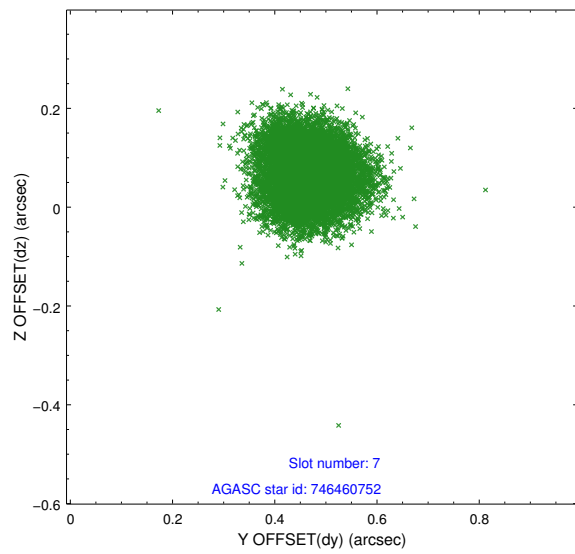
### 2.4.3 Slot 5



## 2.4.4 Slot 6

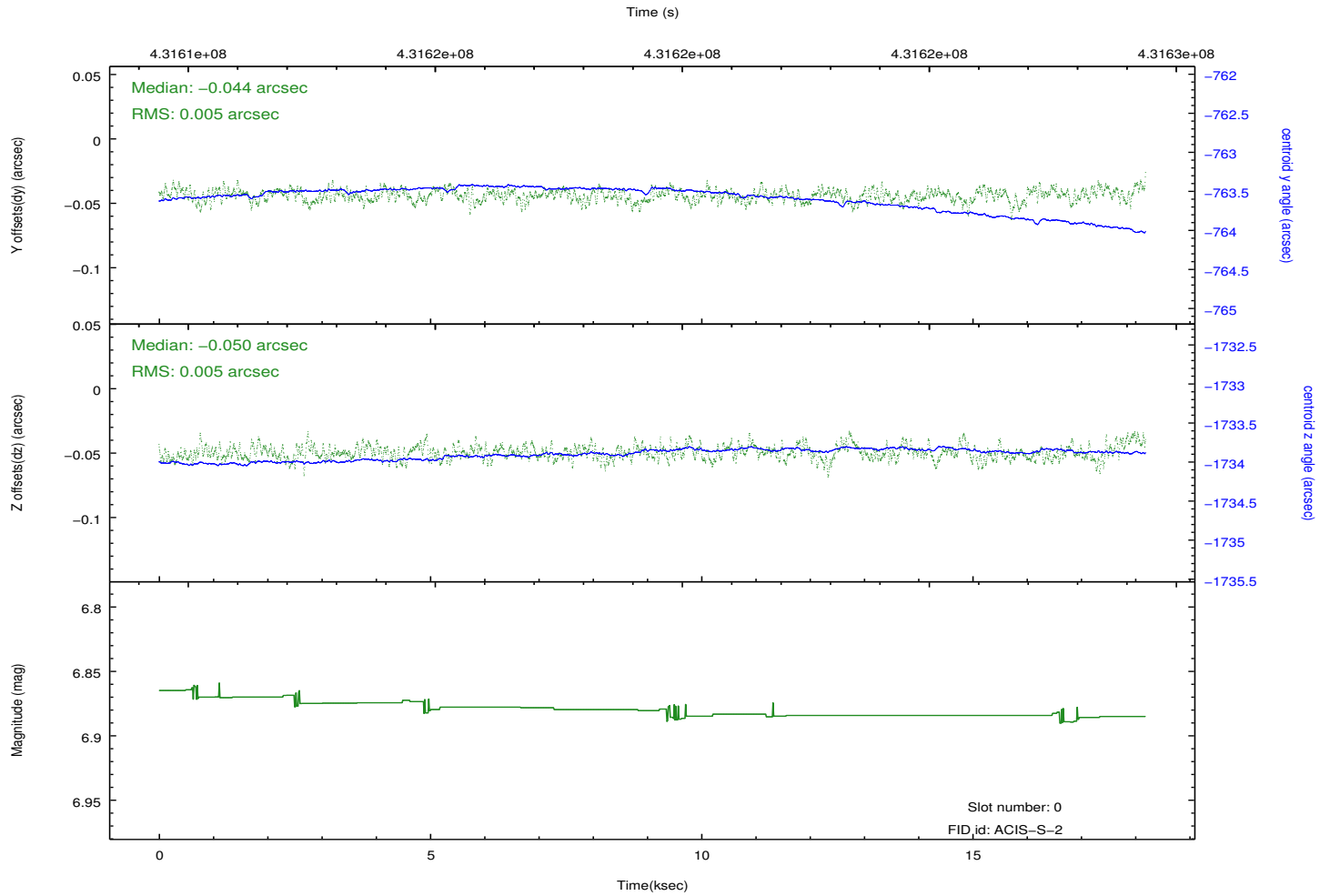
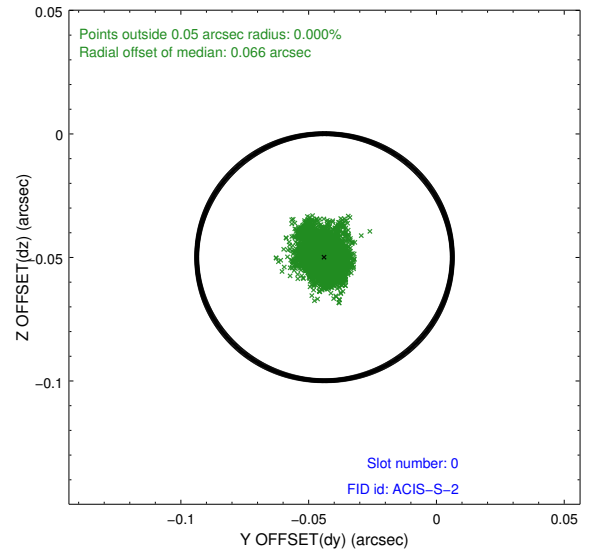
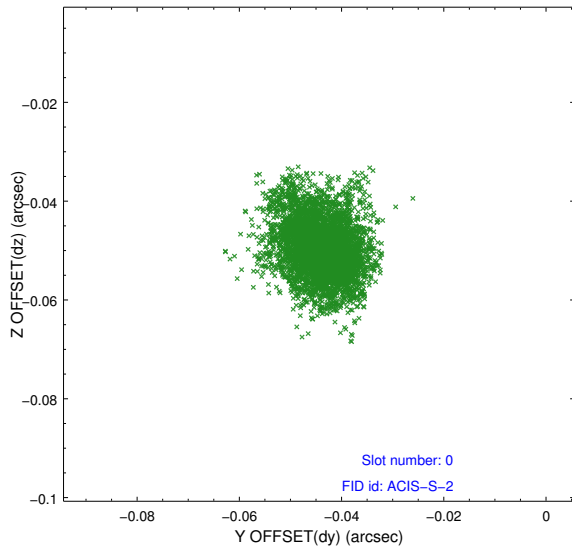


## 2.4.5 Slot 7

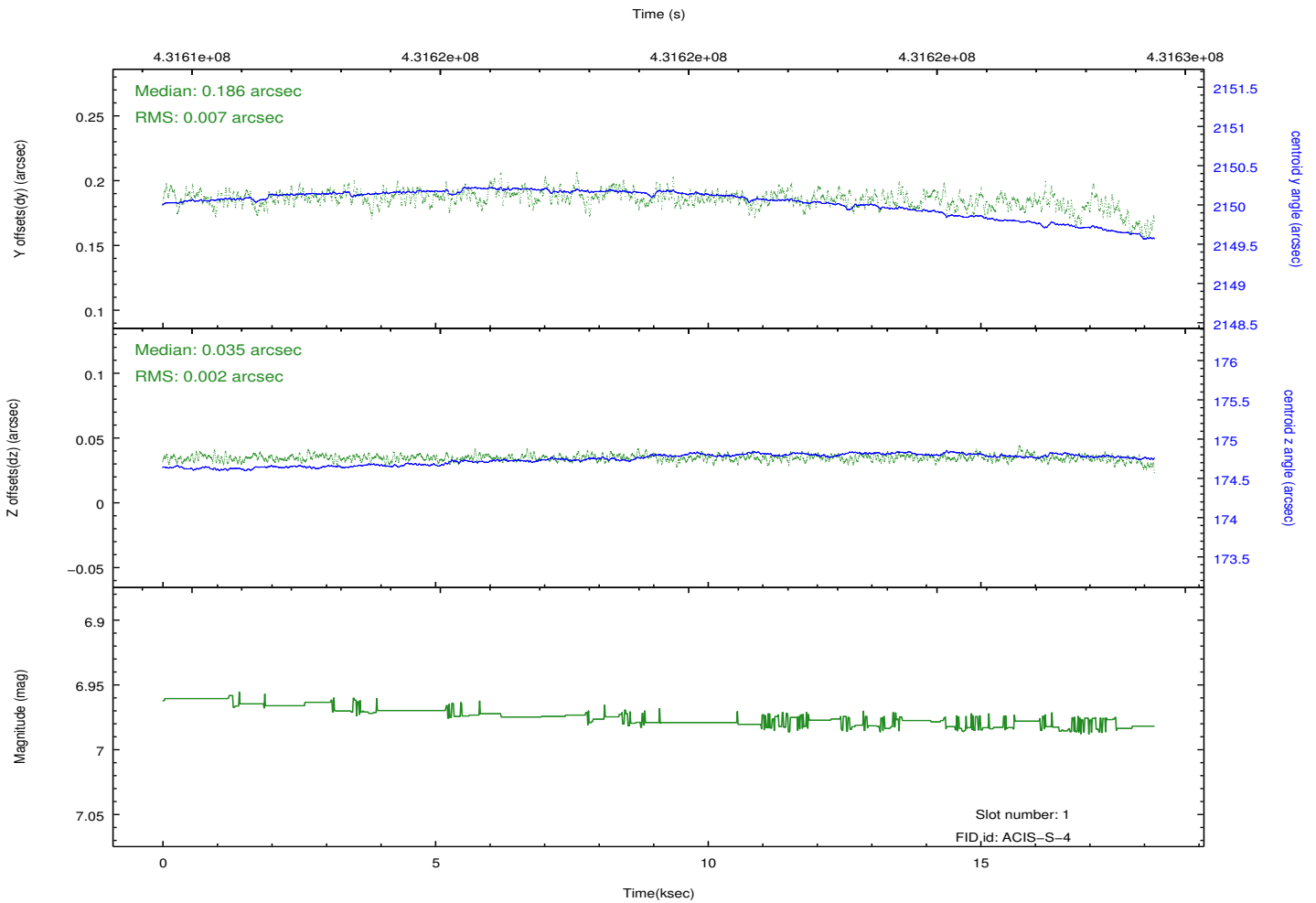
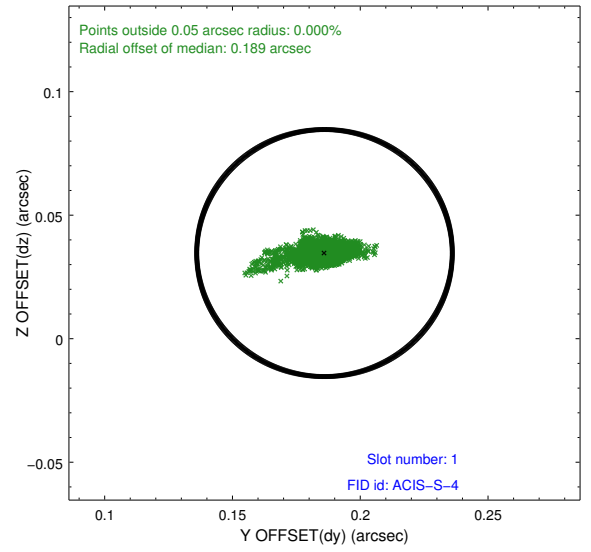
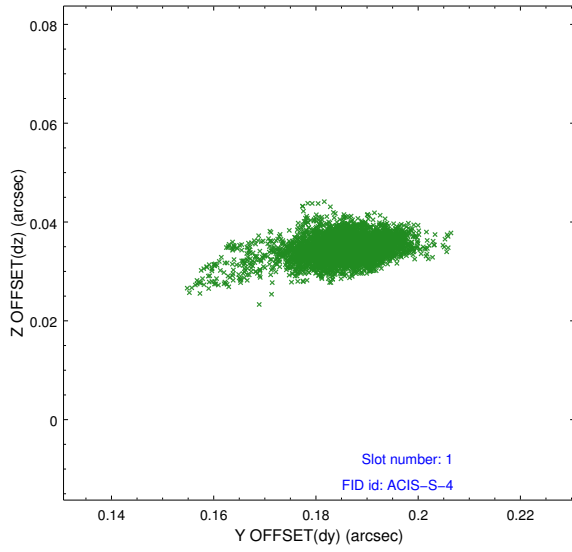


## 2.5 FID Slots

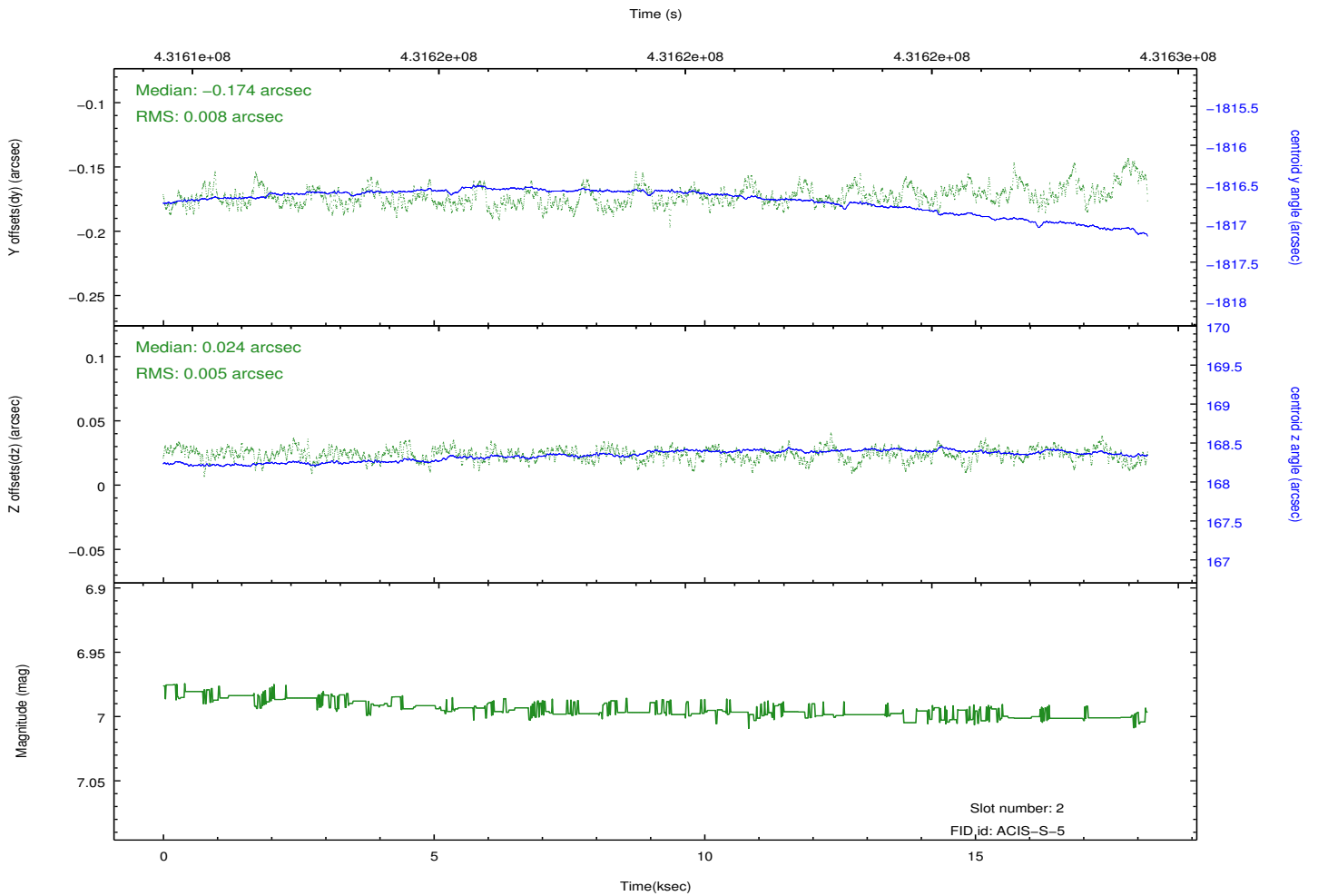
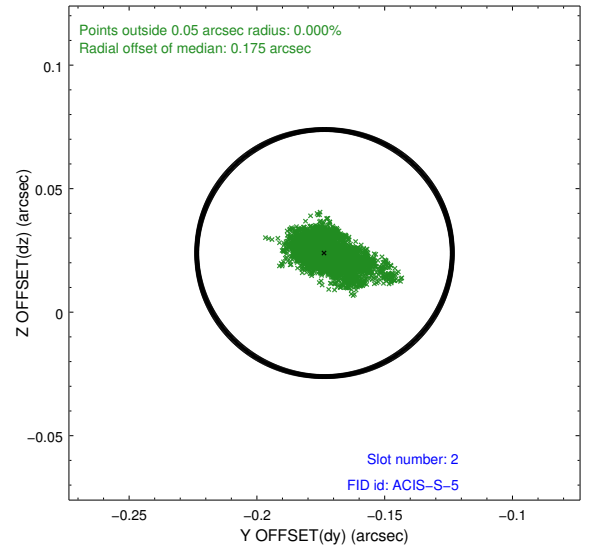
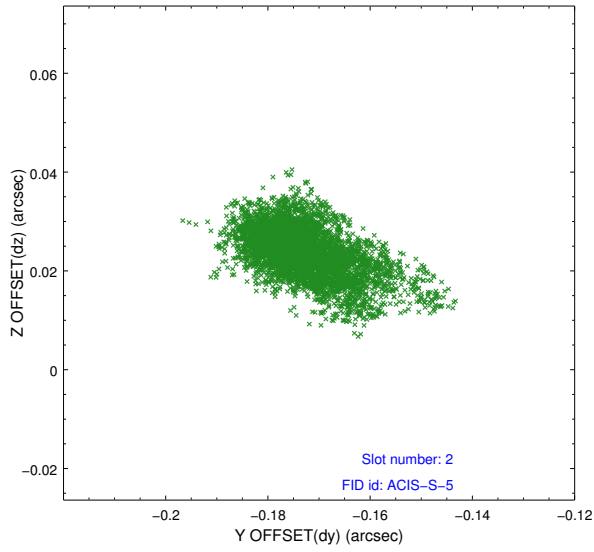
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.010398926497

## A.2 Comments