

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3360 - L2 Version 3  
Chandra X-Ray Center

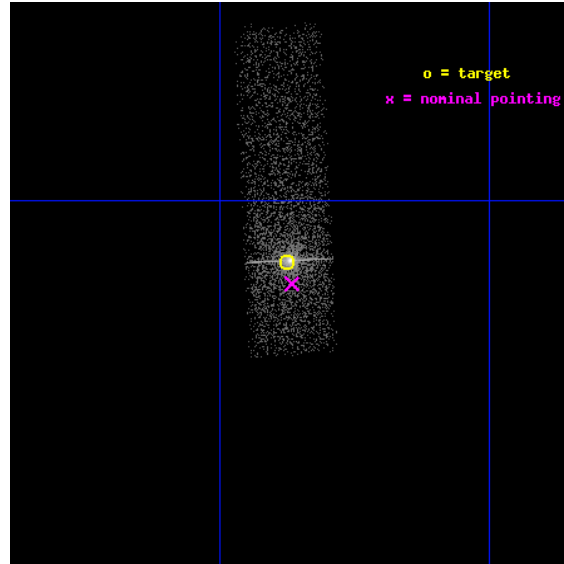
L2 Processing Date : Sep 22 2012

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# 1 Front

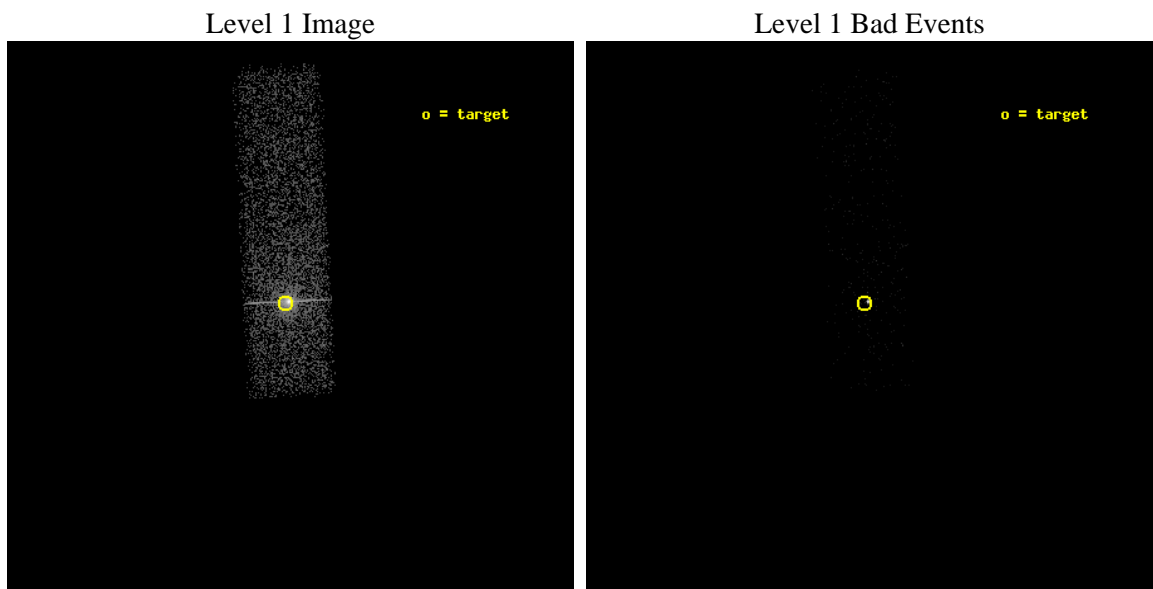
seq_num	400233	Sequence number
obs_id	3360	Observation id
title	LOCALIZATION AND IDENTIFICATION OF THE X-RAY TRANSIENT IN NGC 6440	&#160
observer	Dr Jean in 't Zand	Principal investigator
object	NGC 6440	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.219167	Observer's specified target RA [deg]
dec_targ	-20.359389	Observer's specified target Dec [deg]
ra_nom	267.21674482631	Nominal RA [deg]
dec_nom	-20.369143839676	Nominal Dec [deg]
roll_nom	267.21605403458	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2640.7999901772	Sum of GTIs [s]
livetime	2511.9375917218	Livetime [s]
ontime7	2640.7999901772	Sum of GTIs [s]
l2events	9463	Number of level 2 events



## 2 OBI

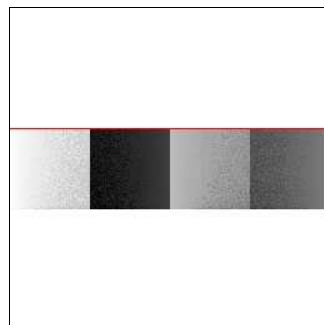
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2640.7999901772	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime7	2640.7999901772	Sum of GTIs [s]
date	2012-09-22T07:25:01	Date and time of file creation	l1events	23409	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

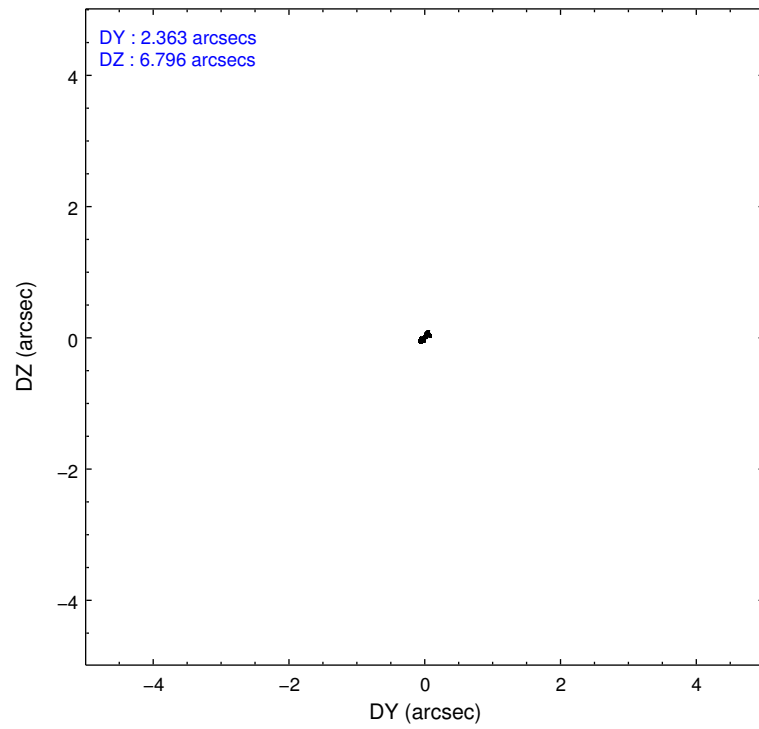
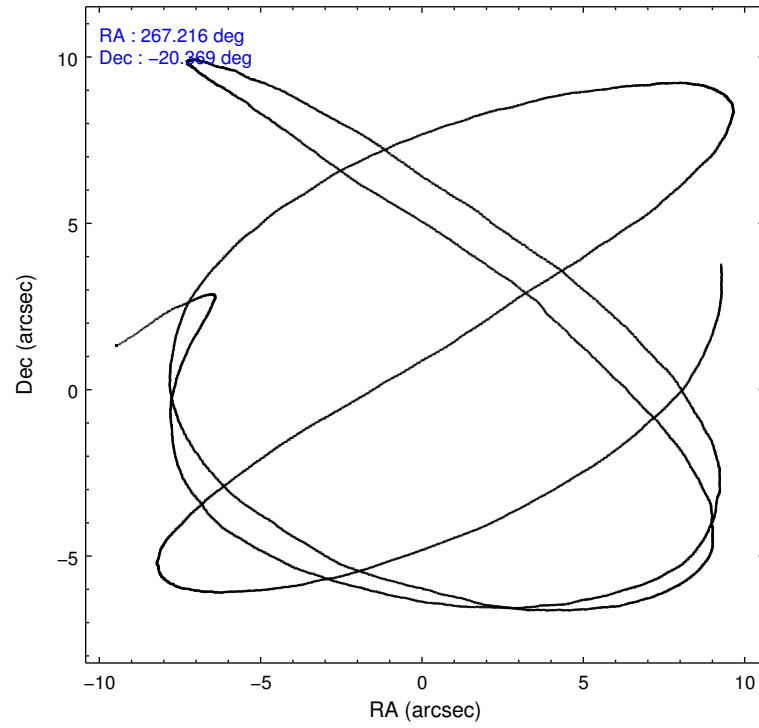
	<b>ccd 7</b>
level 1 events	23409
rejected events	13804
rejected %	58%

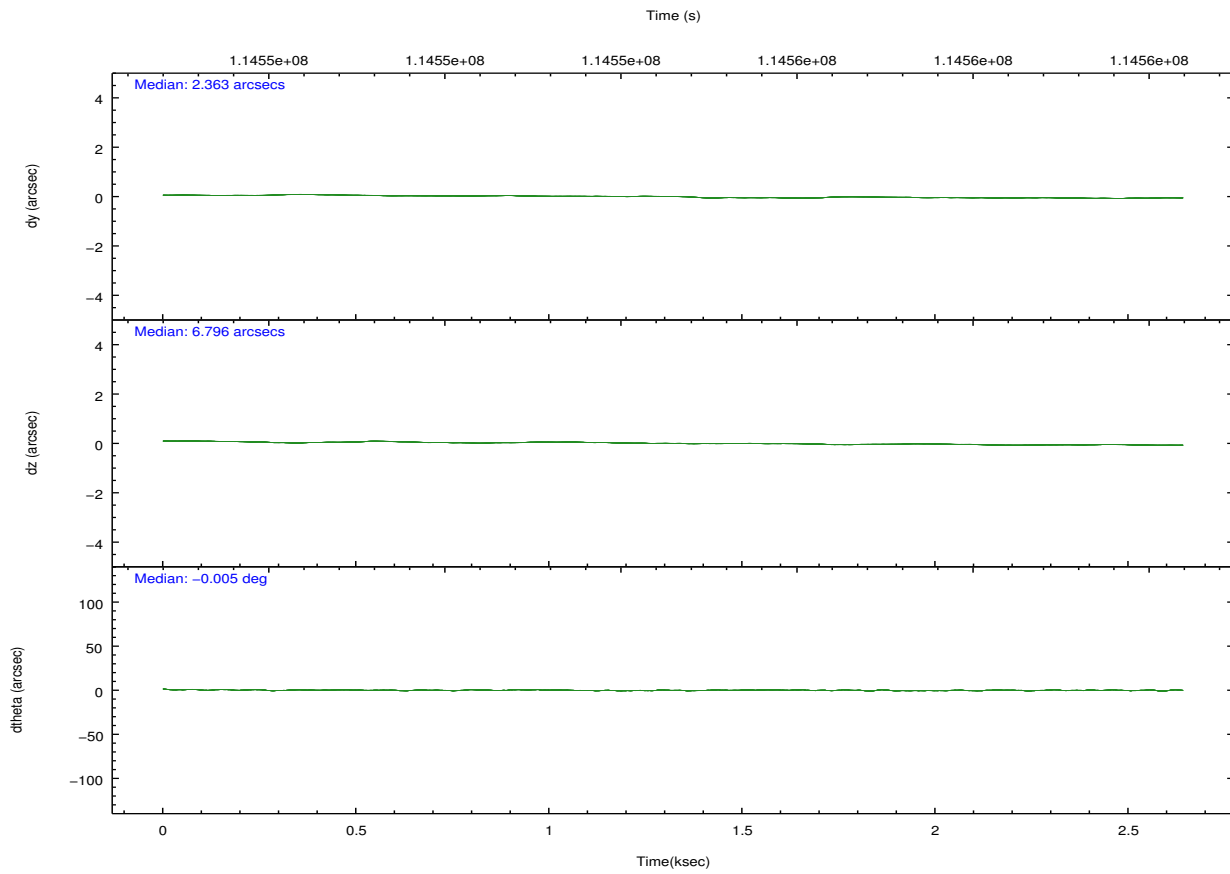
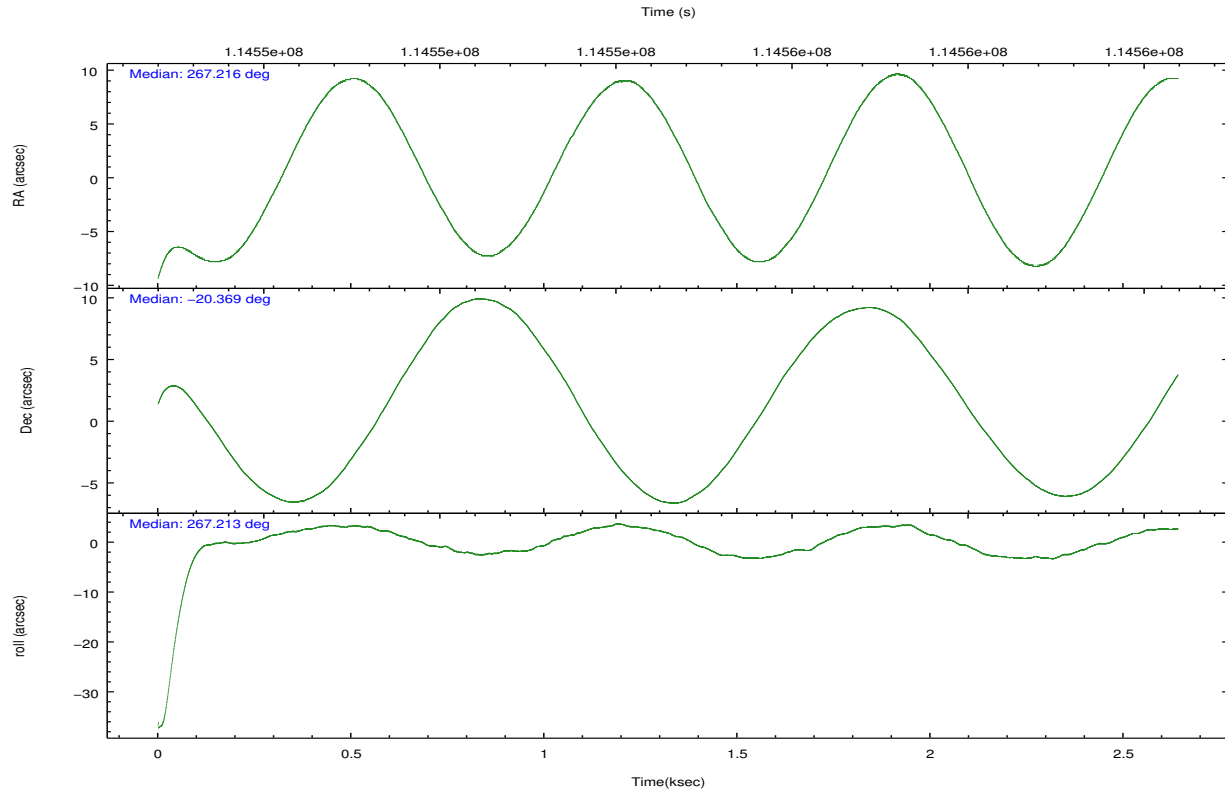
	<b>ccd 7</b>
grade 0 events	3952
	16%
grade 1 events	92
	0%
grade 2 events	4135
	17%
grade 3 events	2001
	8%
grade 4 events	1976
	8%
grade 5 events	1144
	4%
grade 6 events	6161
	26%
grade 7 events	3948
	16%

## 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	267.203238	267.2167448263101	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-20.344766	-20.36914383967559	Subarray start row	384	384
[deg] Pointing Roll	267.054896	267.2160540345806	Subarray row count	256	256
[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	0.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	114553470.184000	114552336.37225			
Observation start date	2001-08-18T20:23:26	2001-08-18T20:05:36			
[s] Observation end time (MET)	114555970.184000	114556566.54742			
Observation end date	2001-08-18T21:05:06	2001-08-18T21:16:06			
Read mode	TIMED	TIMED			

## 2.3 Aspect





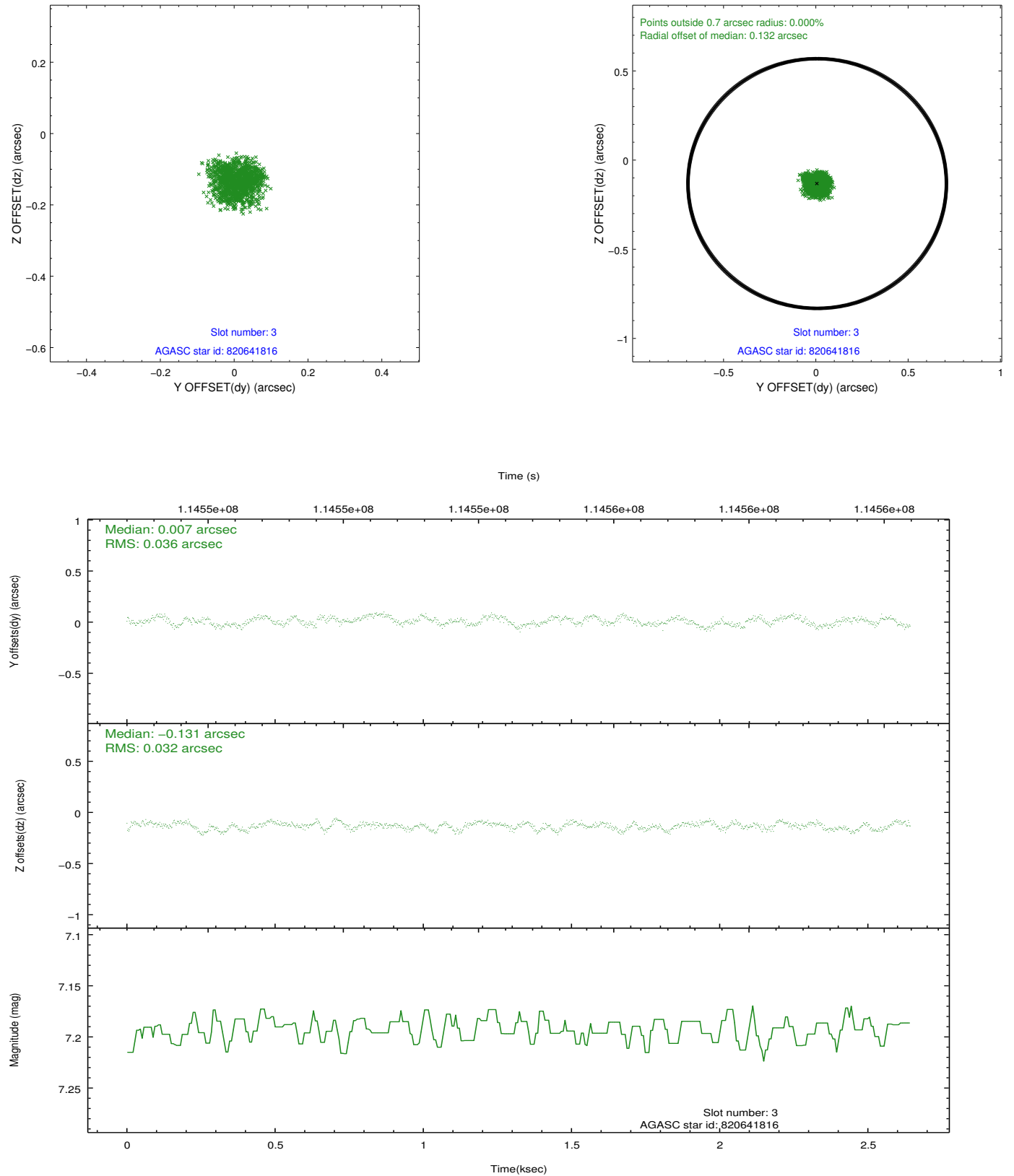
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	645	-0.020	0.008	0.006	0.011	0.000000	0.000000	-754.99	-1727.96
1	FID	ACIS-S-4	7.19	645	-0.049	0.007	0.005	0.010	0.000000	0.000000	2157.14	178.03
2	FID	ACIS-S-5	7.23	645	0.037	-0.007	0.007	0.012	0.000000	0.000000	-1804.64	174.43
3	GUIDE	820641816	7.19	1290	0.007	-0.131	0.053	0.078	267.363435	-20.830907	1719.18	629.06
4	GUIDE	820121744	6.73	1290	-0.184	0.086	0.054	0.086	267.173633	-19.779615	-2026.71	-203.38
5	GUIDE	820644080	7.42	1290	0.196	-0.047	0.049	0.080	266.880829	-20.837335	1825.23	-991.45
6	GUIDE	820119168	8.06	1289	-0.170	-0.016	0.064	0.101	267.932854	-19.779597	-2153.45	2364.16
7	GUIDE	820644800	8.87	1288	0.149	0.104	0.056	0.093	267.803773	-20.964535	2125.46	2134.00

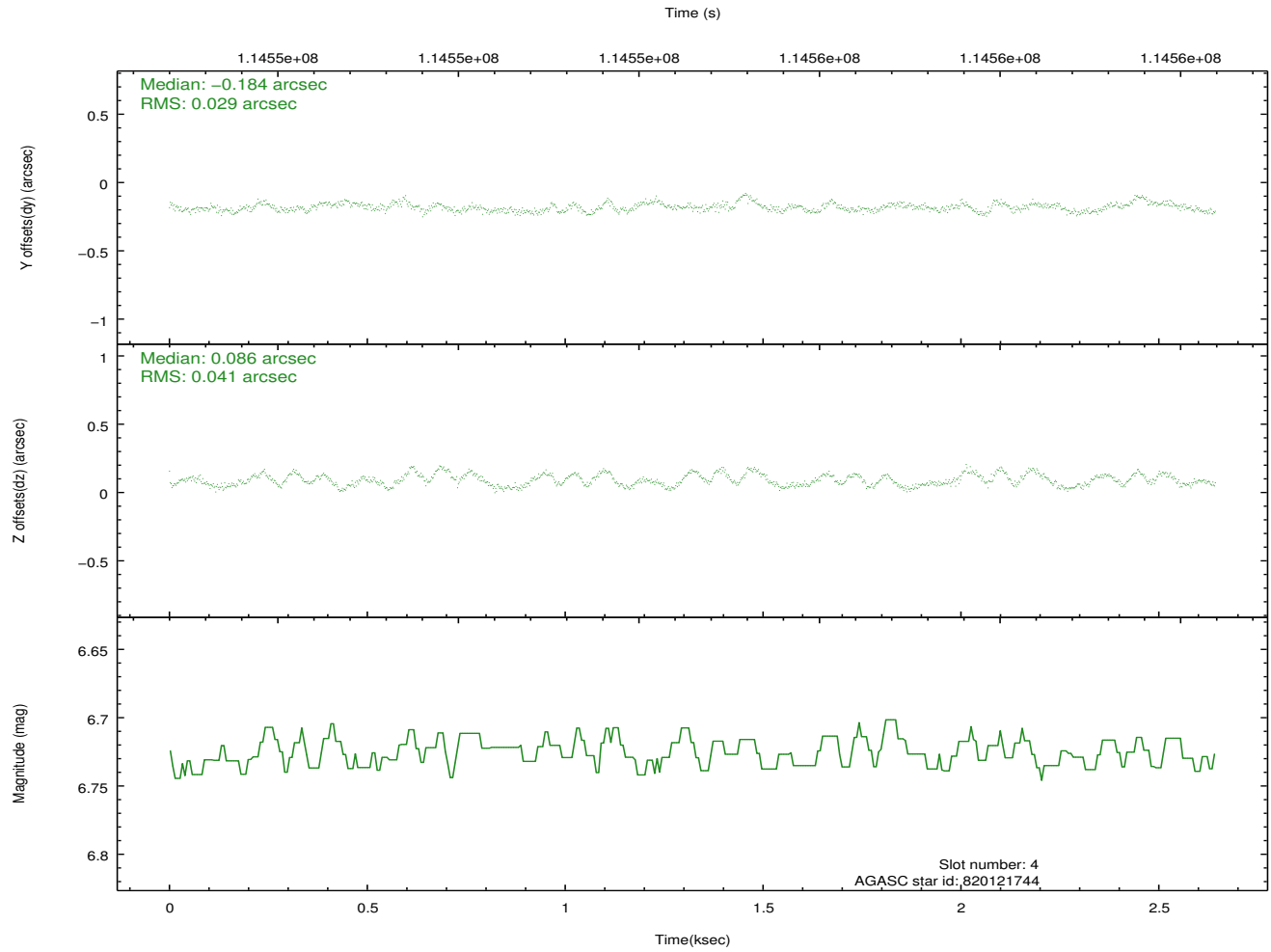
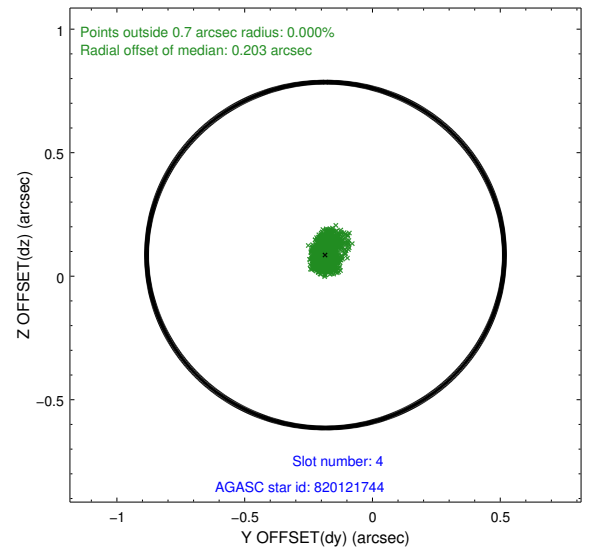
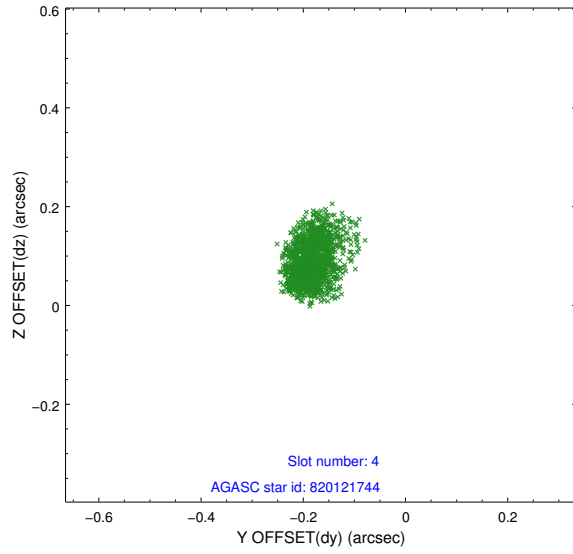


## 2.4 Star Slots

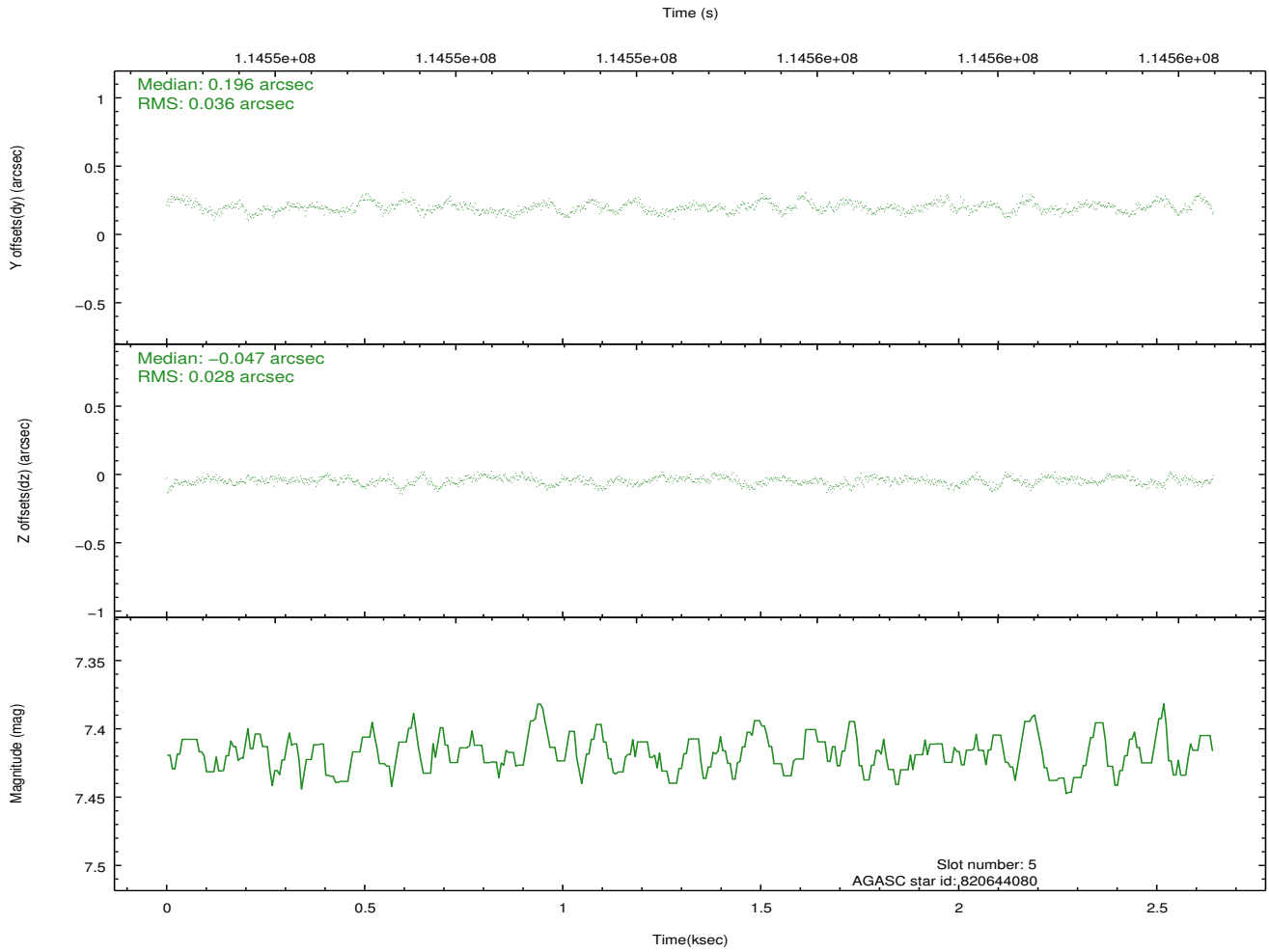
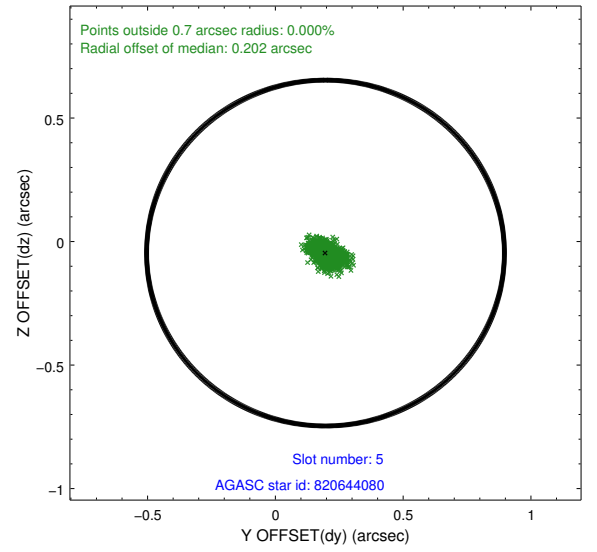
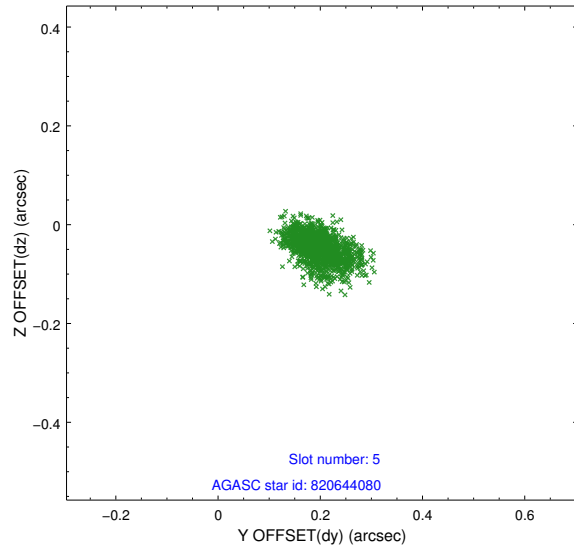
### 2.4.1 Slot 3



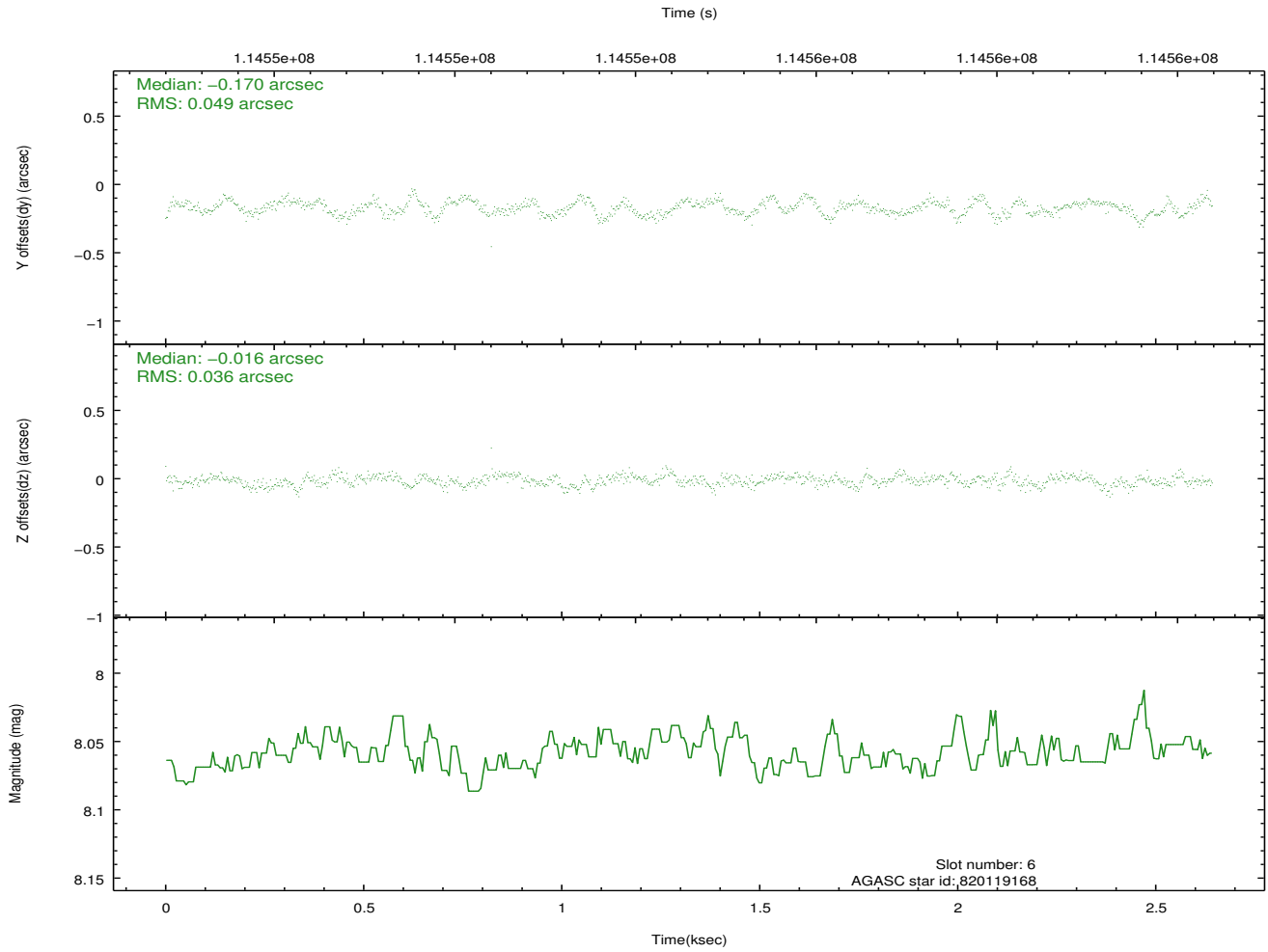
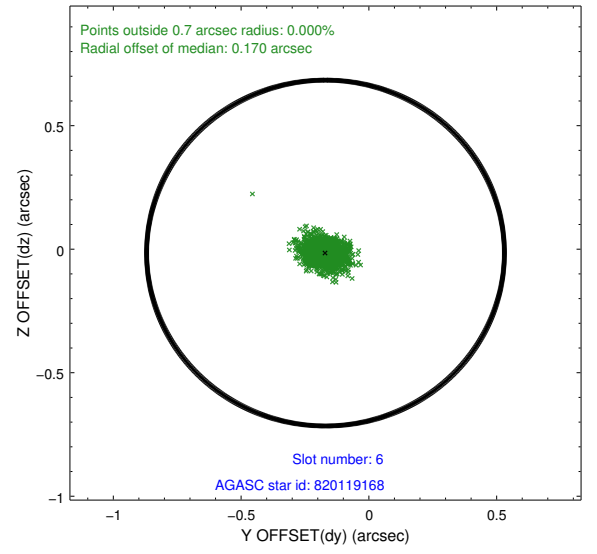
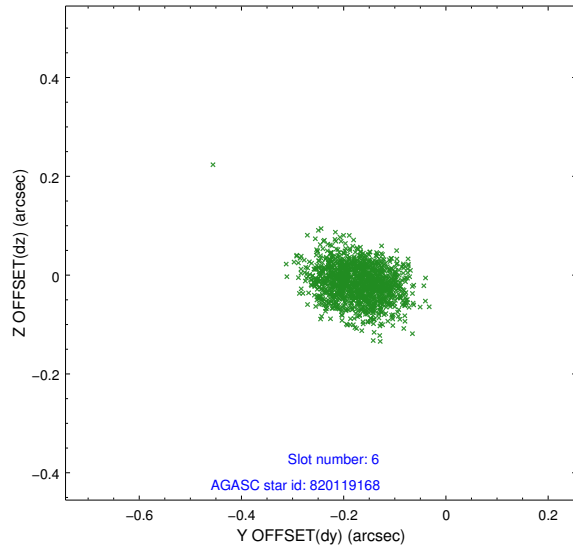
## 2.4.2 Slot 4



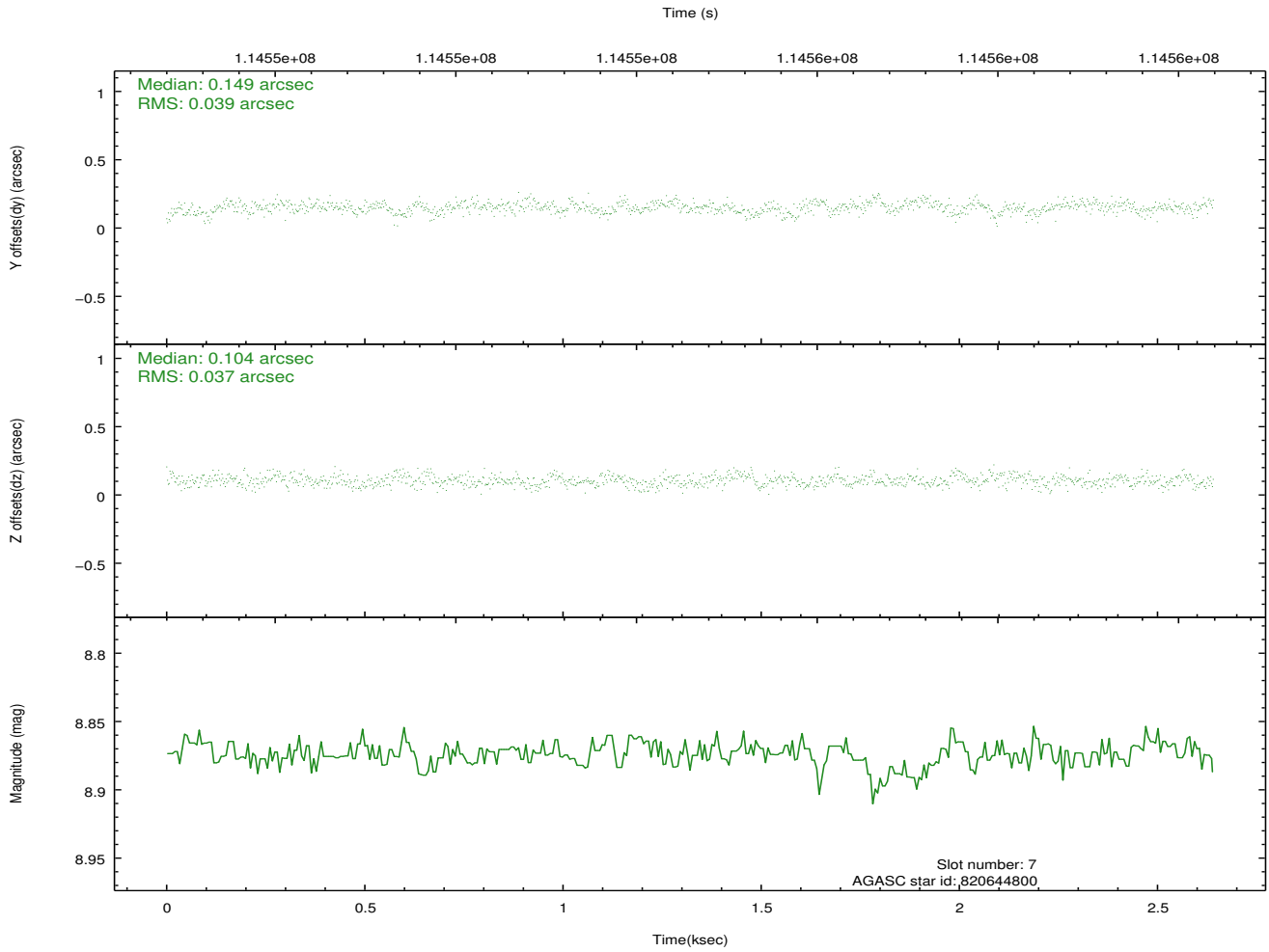
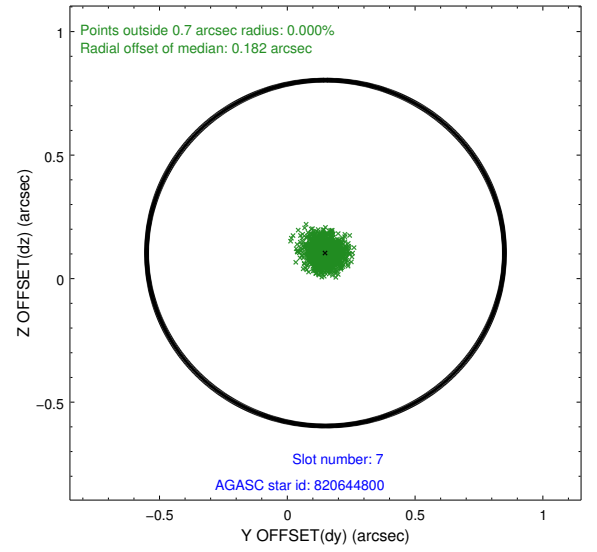
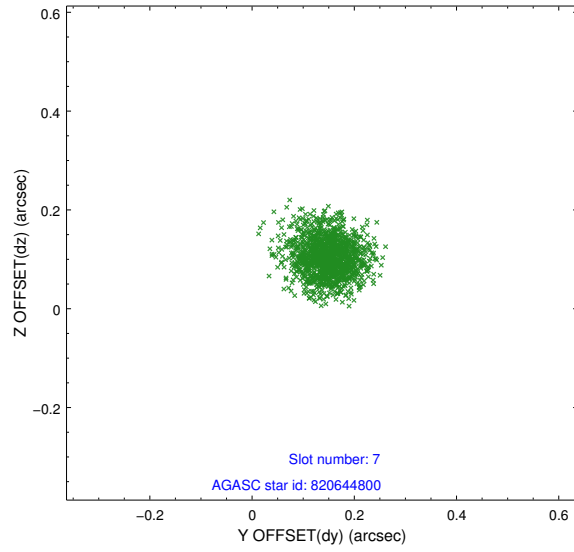
### 2.4.3 Slot 5



## 2.4.4 Slot 6

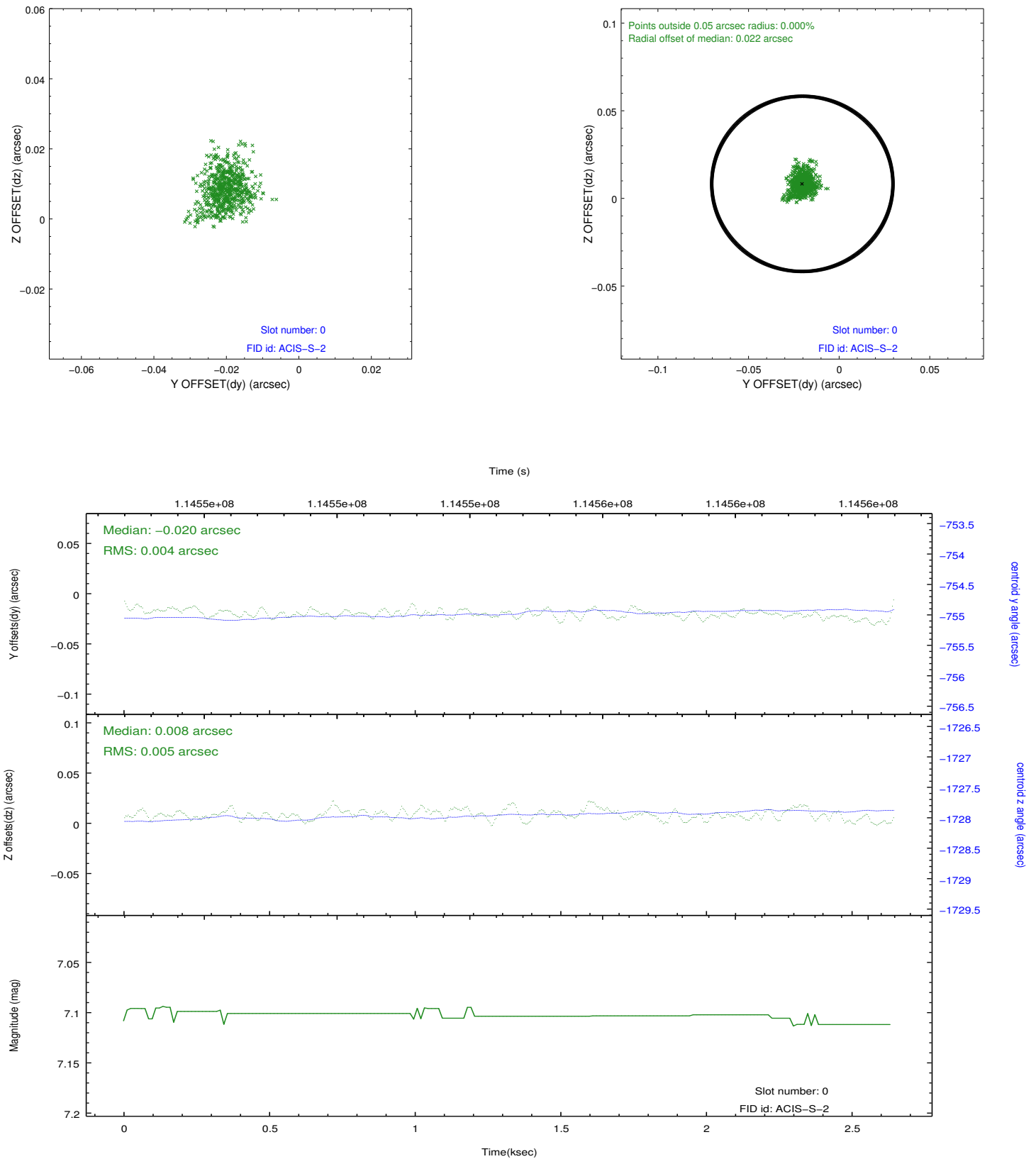


## 2.4.5 Slot 7

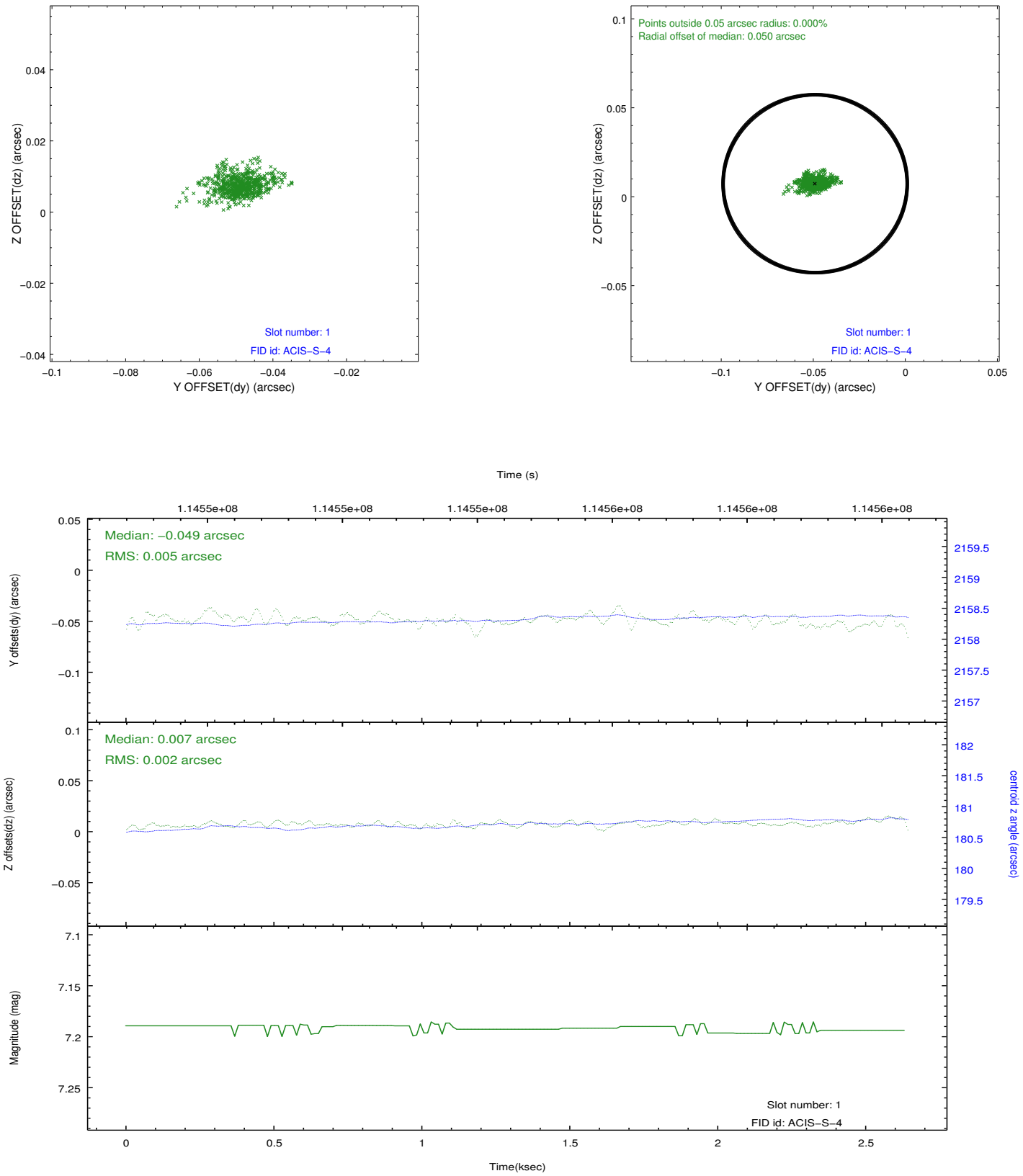


## 2.5 FID Slots

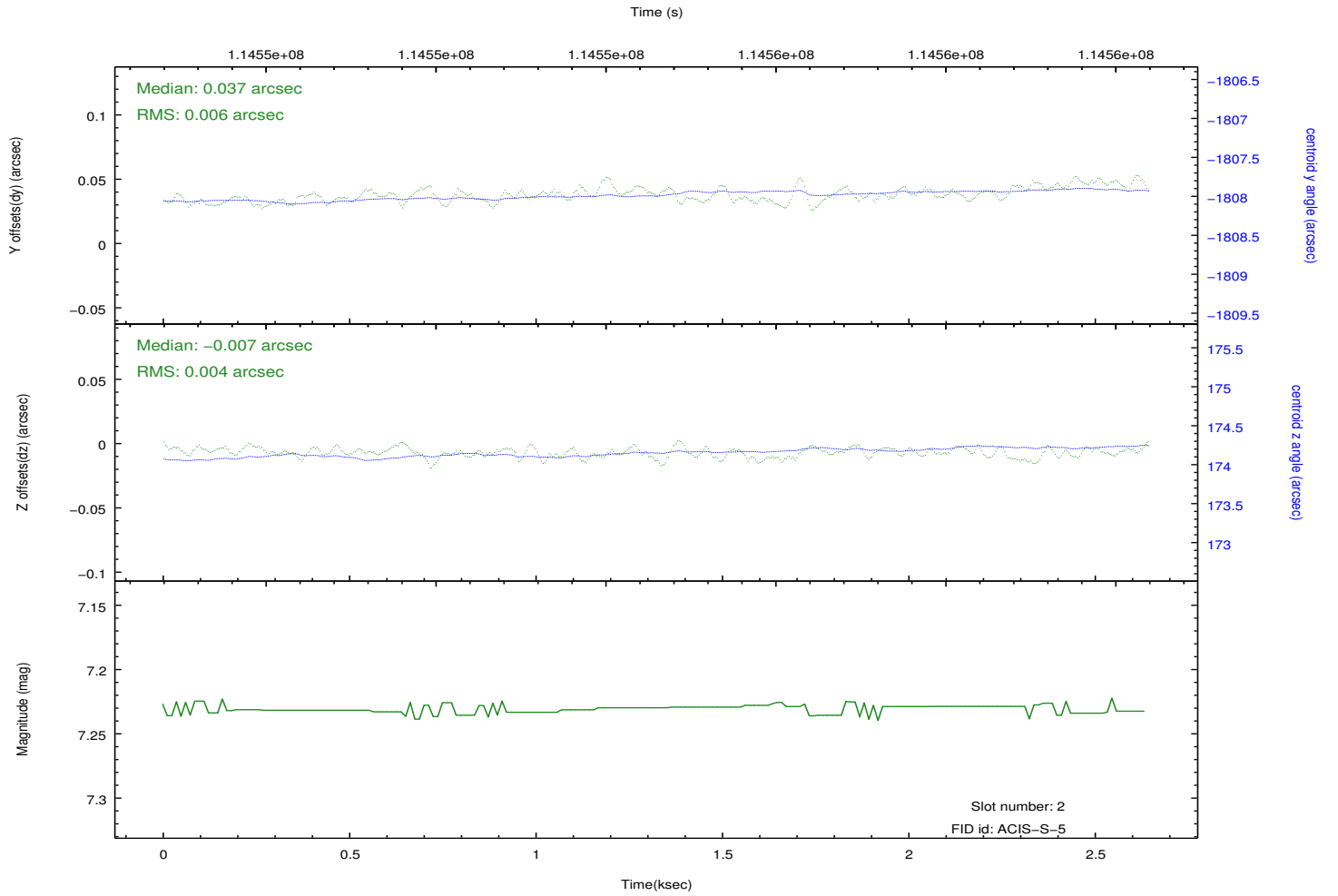
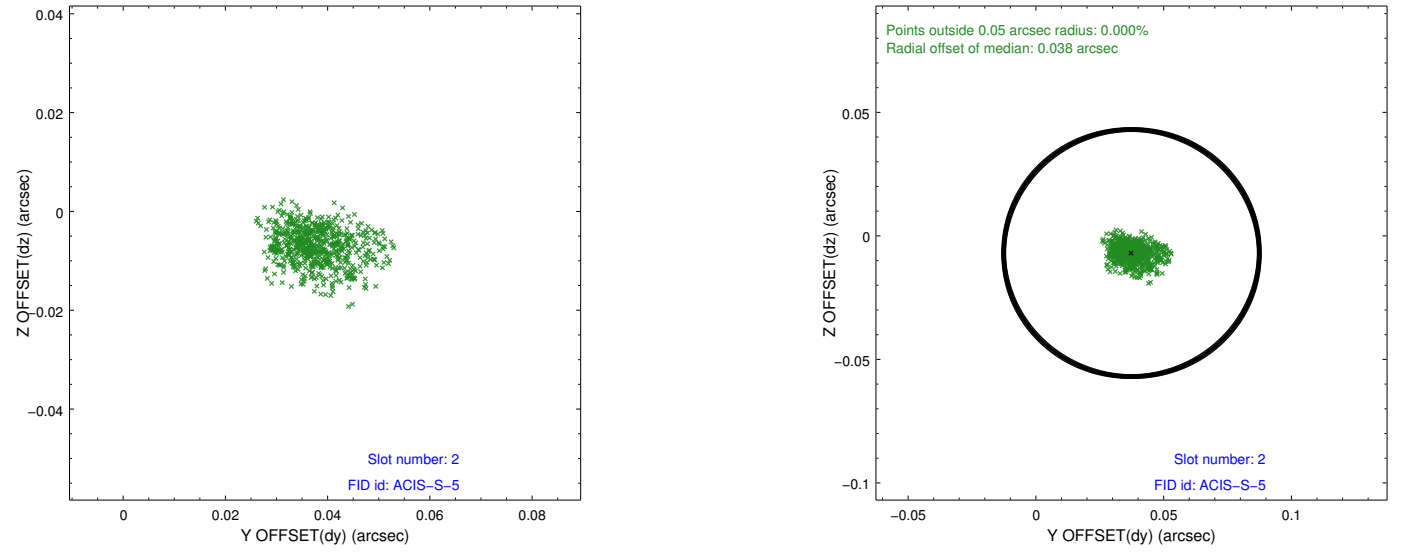
### 2.5.1 Slot 0



## 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)	2012.09.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.641

### A.2 Comments

Source has some pile-up.