

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13588 - L2 Version 2  
Chandra X-Ray Center

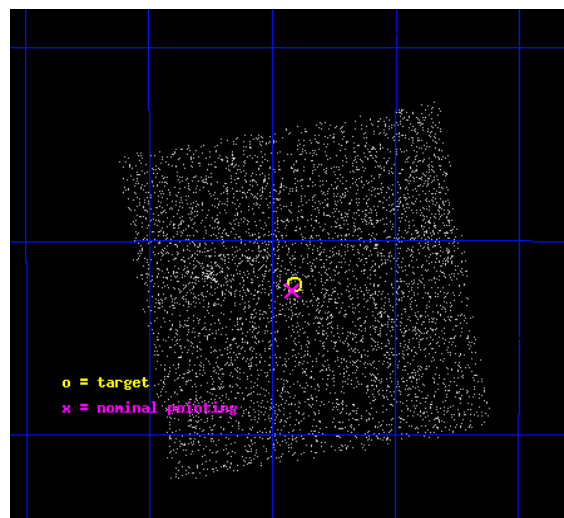
L2 Processing Date : Mar 2 2012

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# 1 Front

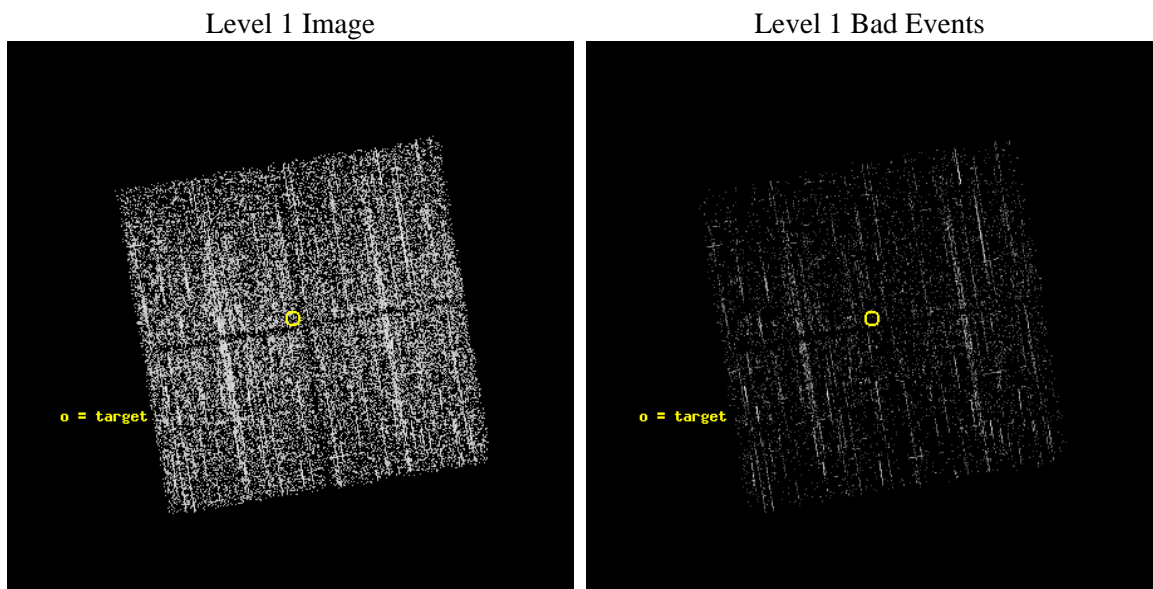
seq_num	401364	Sequence number
obs_id	13588	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-6	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.353398	Observer's specified target RA [deg]
dec_targ	-30.704047	Observer's specified target Dec [deg]
ra_nom	263.35539883469	Nominal RA [deg]
dec_nom	-30.709566117271	Nominal Dec [deg]
roll_nom	260.64490654065	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1971.6000151634	Sum of GTIs [s]
livetime	1945.8396094945	Livetime [s]
ontime0	1971.6000151634	Sum of GTIs [s]
ontime1	1968.4590548277	Sum of GTIs [s]
ontime2	1971.6000151634	Sum of GTIs [s]
ontime3	1971.6000151634	Sum of GTIs [s]
l2events	5563	Number of level 2 events



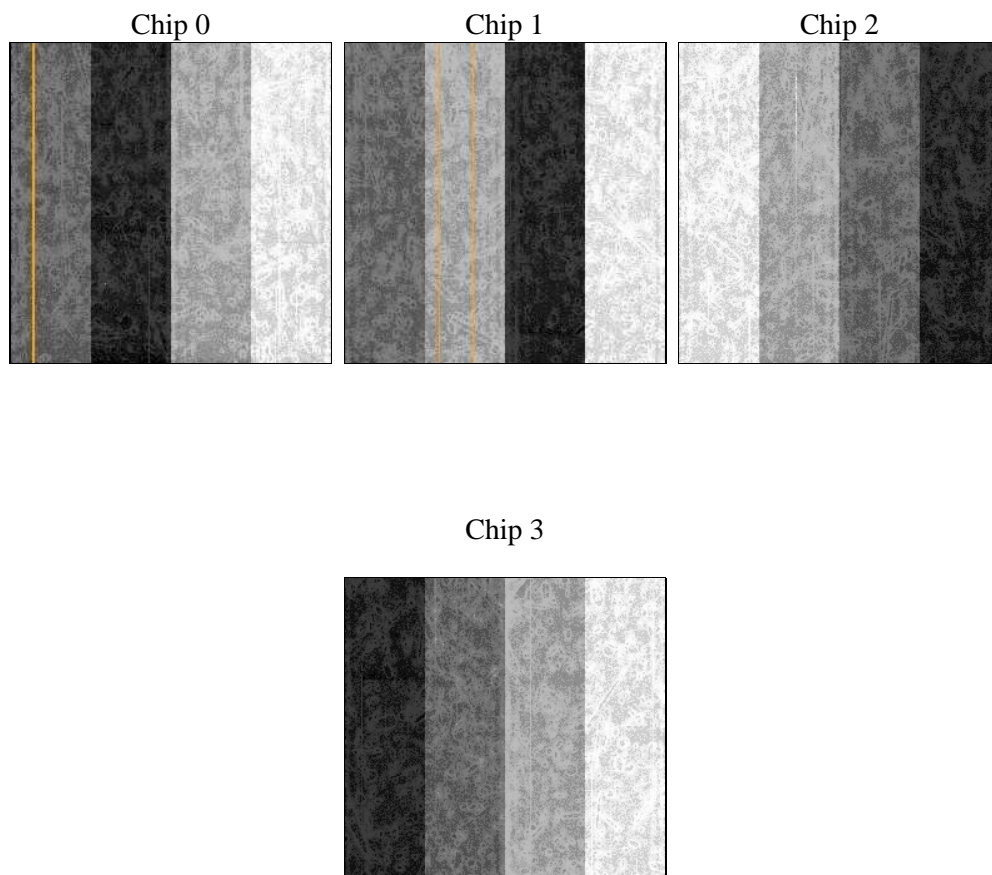
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1971.6000151634	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	1971.6000151634	Sum of GTIs [s]
date	2012-03-02T11:55:31	Date and time of file creation	ontime1	1968.4590548277	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1971.6000151634	Sum of GTIs [s]
			ontime3	1971.6000151634	Sum of GTIs [s]
			l1events	46945	Number of level 1 events

### 2.1.4 Events

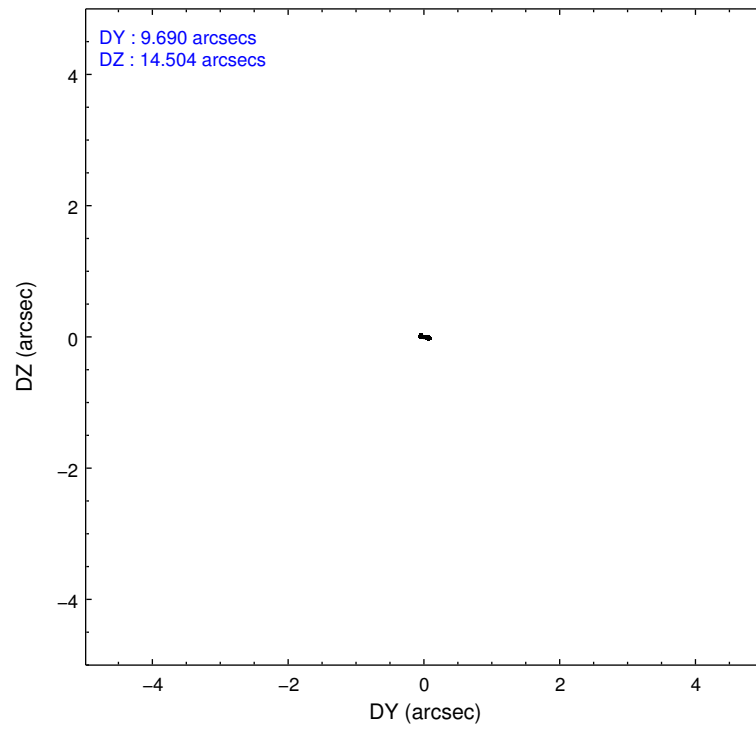
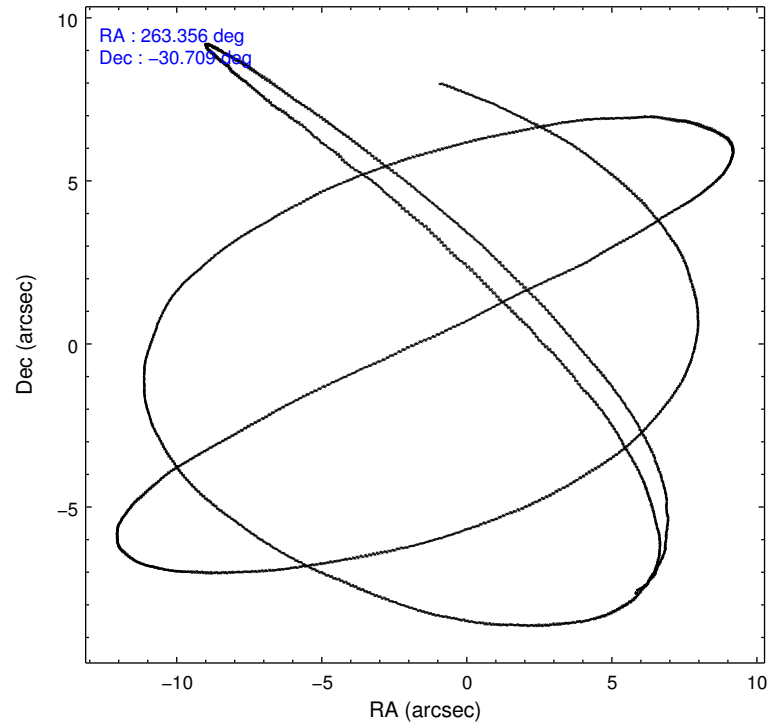
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	11719	11562	12511	11153
rejected events	10050	9804	10973	9529
rejected %	85%	84%	87%	85%

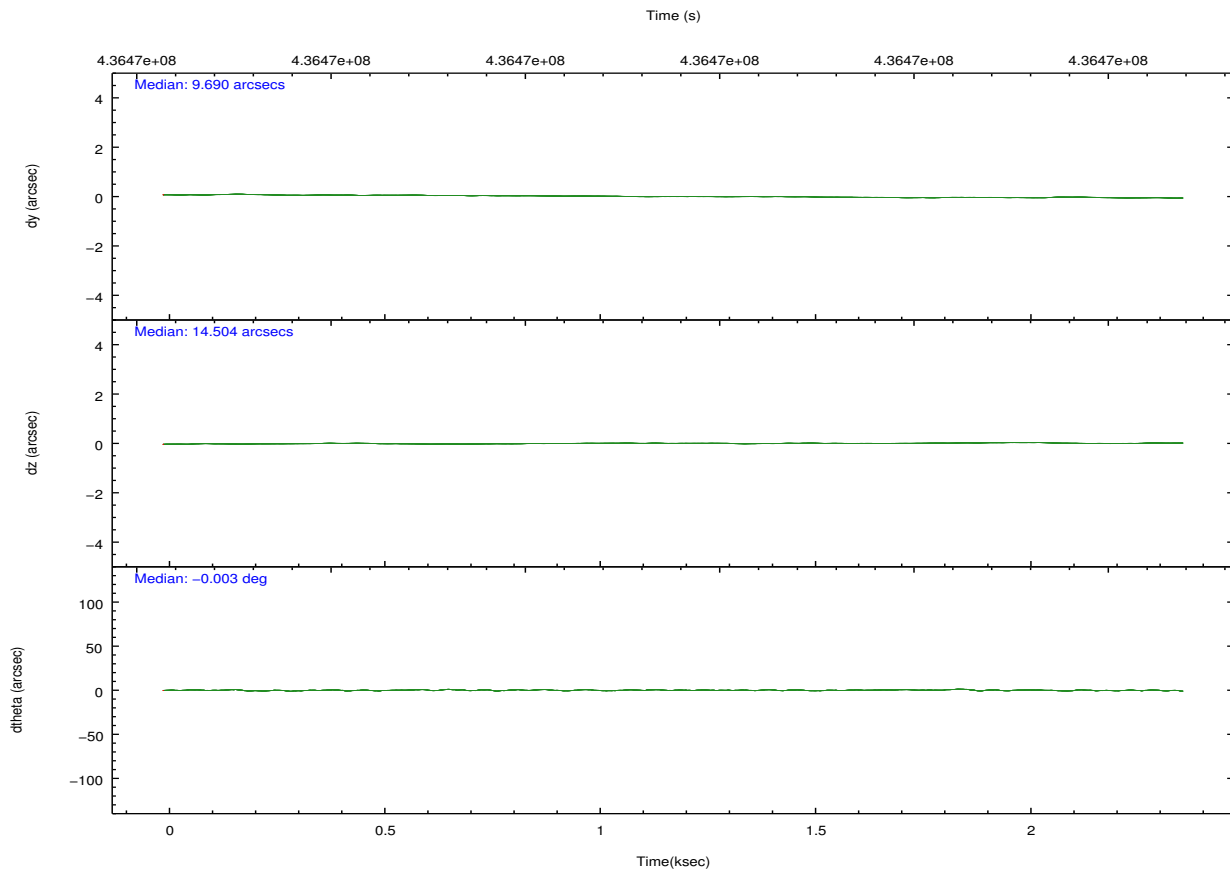
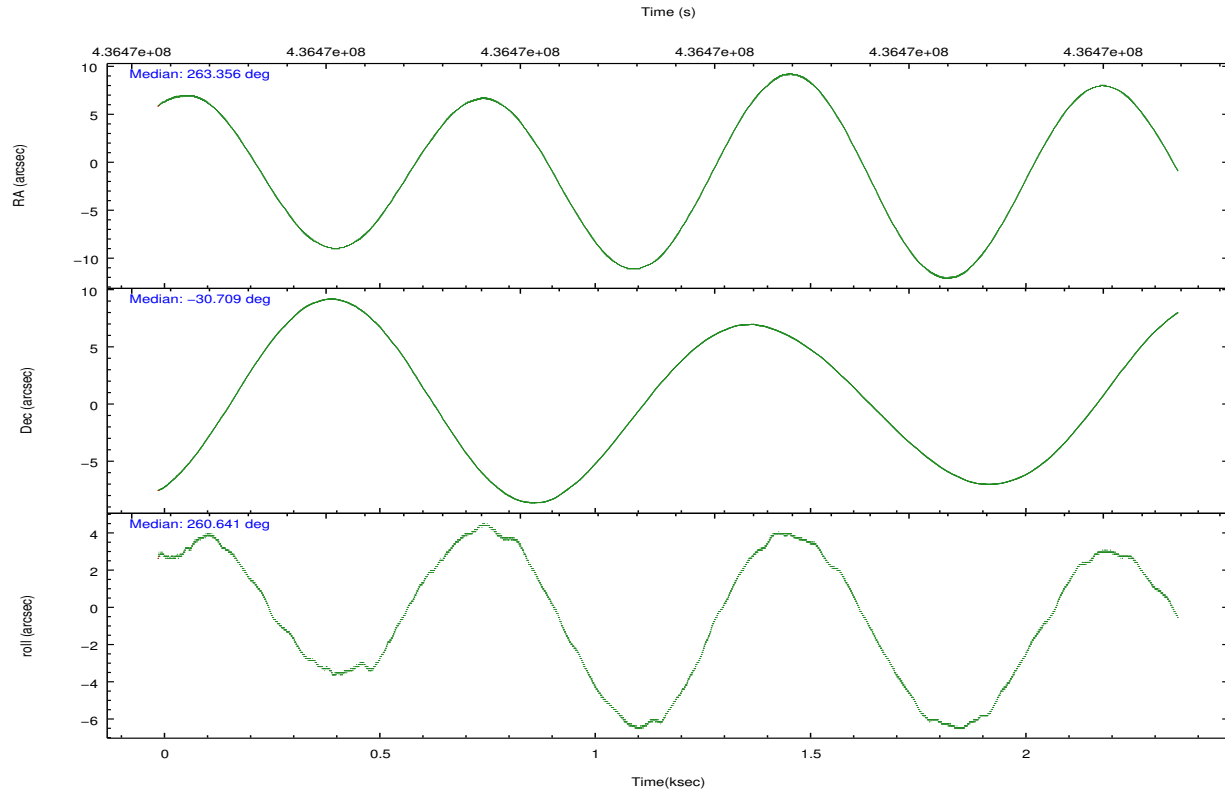
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	655	724	605	718
	5%	6%	4%	6%
grade 1 events	13	7	4	4
	0%	0%	0%	0%
grade 2 events	376	380	362	317
	3%	3%	2%	2%
grade 3 events	159	161	150	163
	1%	1%	1%	1%
grade 4 events	167	167	156	140
	1%	1%	1%	1%
grade 5 events	521	518	558	611
	4%	4%	4%	5%
grade 6 events	318	330	271	288
	2%	2%	2%	2%
grade 7 events	9510	9275	10405	8912
	81%	80%	83%	79%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	263.343788	263.355398834694	Subarray requested	NONE	NONE
[deg] Pointing Dec	-30.683888	-30.70956611727137	Alternating exposures requested	N	N
[deg] Pointing Roll	260.430318	260.6449065406518	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	436465869.184000	436465493.15399			
Observation start date	2011-10-31T16:30:03	2011-10-31T16:24:53			
[s] Observation end time (MET)	436468049.184000	436468324.71663			
Observation end date	2011-10-31T17:06:23	2011-10-31T17:12:04			
Read mode	TIMED	TIMED			

## 2.3 Aspect





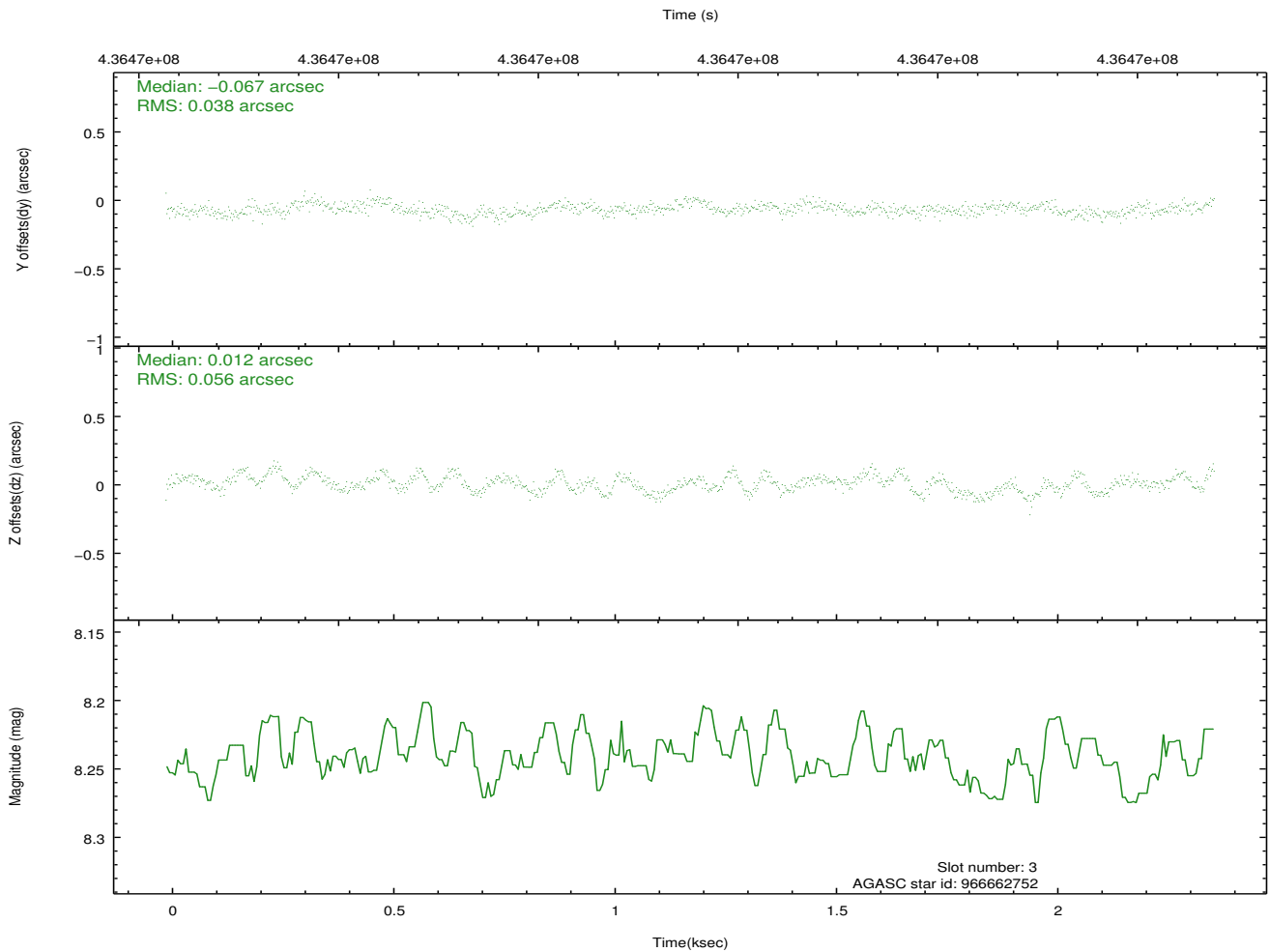
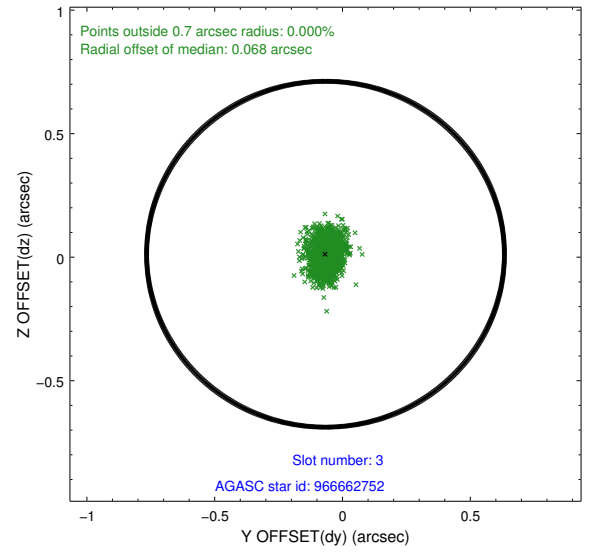
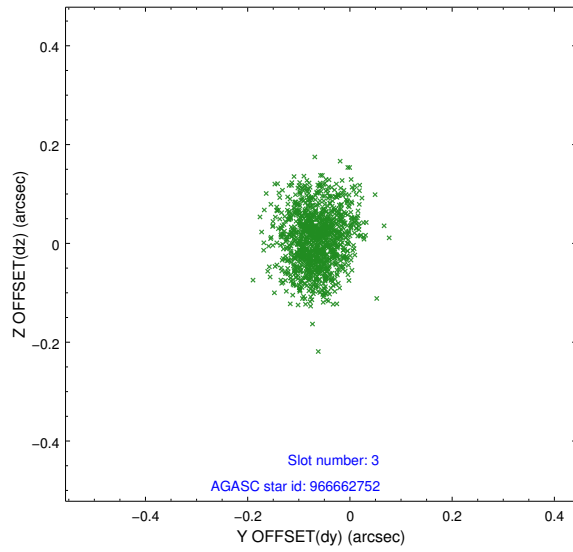
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.03	578	0.060	-0.015	0.006	0.009	0.000000	0.000000	929.98	-838.09
1	FID	ACIS-I-5	7.03	578	-0.229	0.061	0.006	0.010	0.000000	0.000000	-1816.92	1058.06
2	FID	ACIS-I-6	7.03	577	0.077	0.024	0.006	0.011	0.000000	0.000000	392.52	1705.66
3	GUIDE	966662752	8.24	1156	-0.067	0.012	0.074	0.116	262.898473	-30.245665	-1322.18	-1628.10
4	GUIDE	966662760	8.69	1156	0.131	-0.008	0.084	0.135	262.815203	-30.091834	-1824.63	-1979.38
5	GUIDE	966787448	8.54	1155	0.132	-0.169	0.074	0.121	263.341993	-31.095036	1459.49	238.31
6	GUIDE	966788616	8.81	1155	-0.046	0.029	0.077	0.127	263.482843	-31.275596	2031.43	775.85
7	GUIDE	966791064	7.77	1155	-0.154	0.130	0.080	0.132	263.920275	-30.338943	-1515.82	1560.73

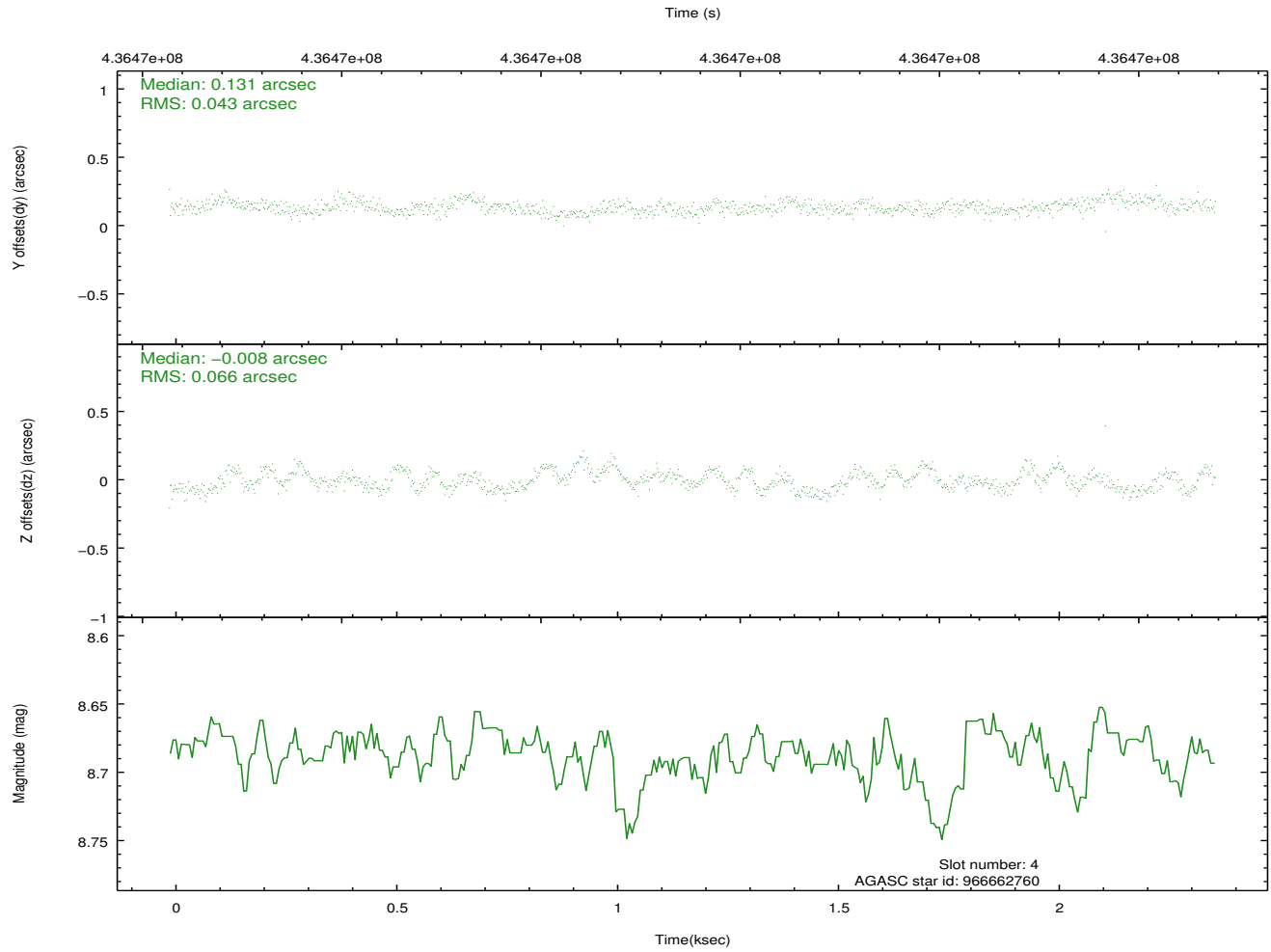
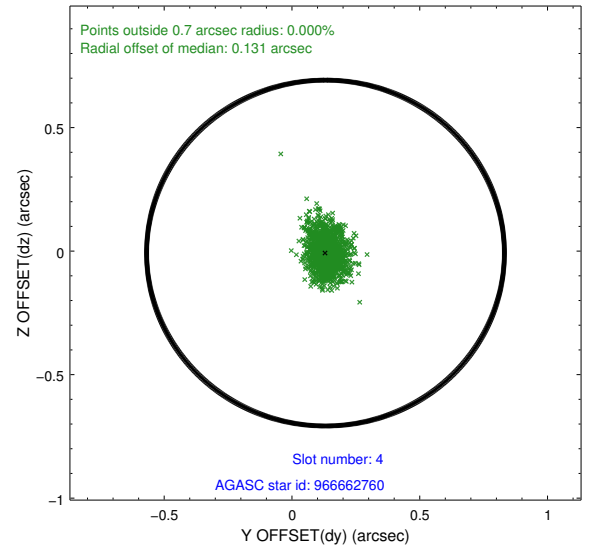
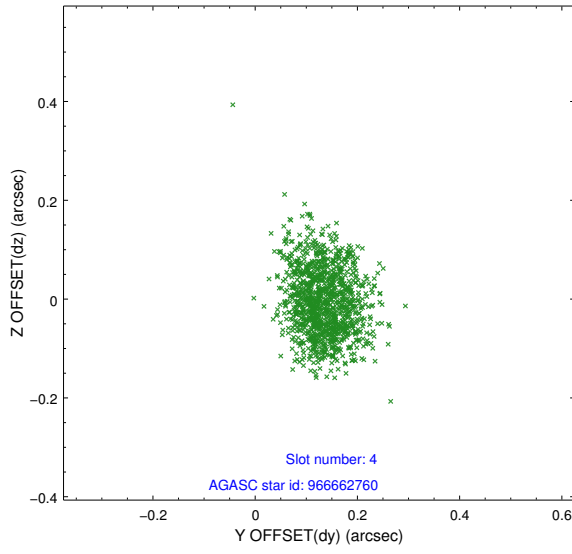


## 2.4 Star Slots

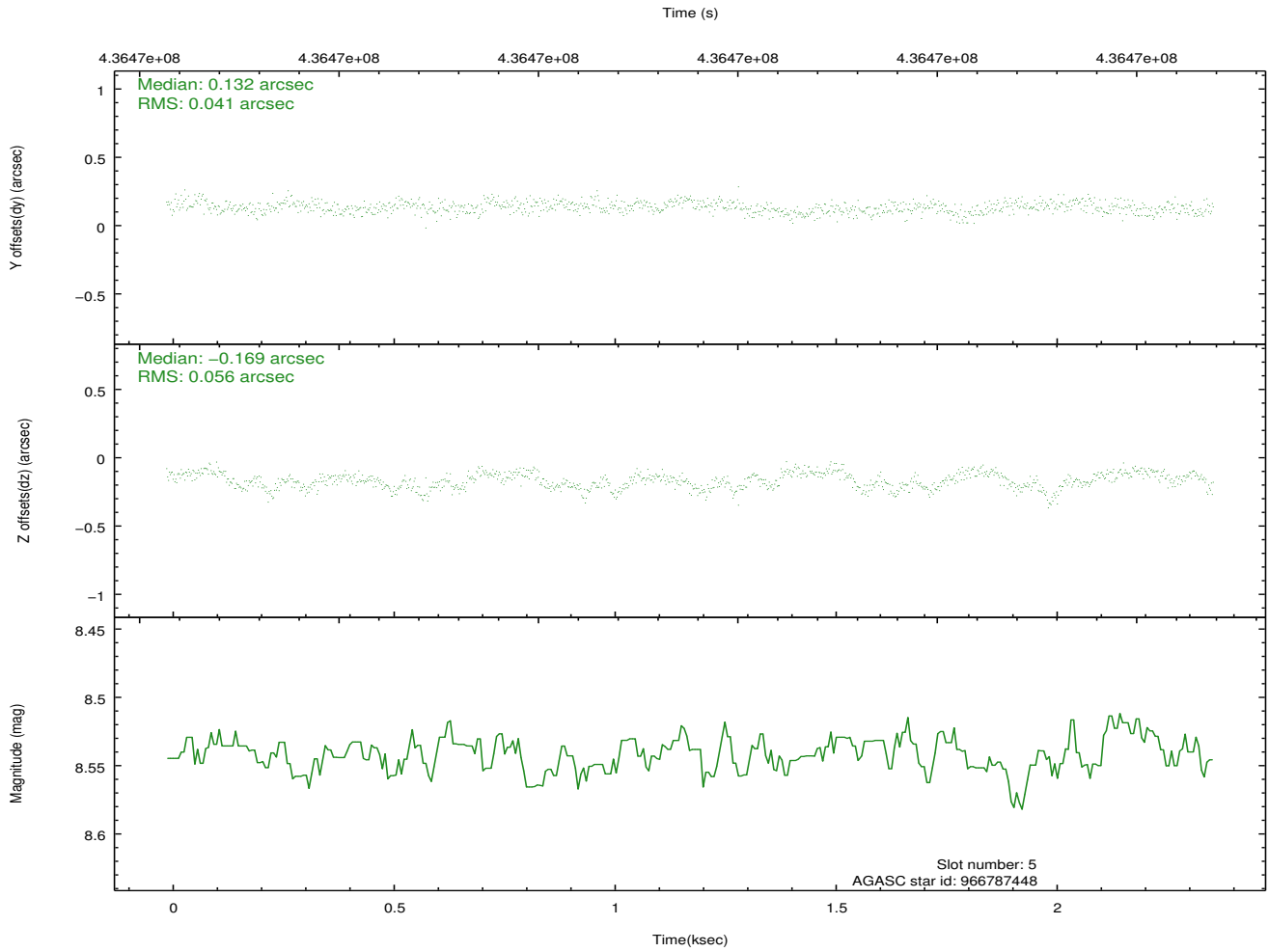
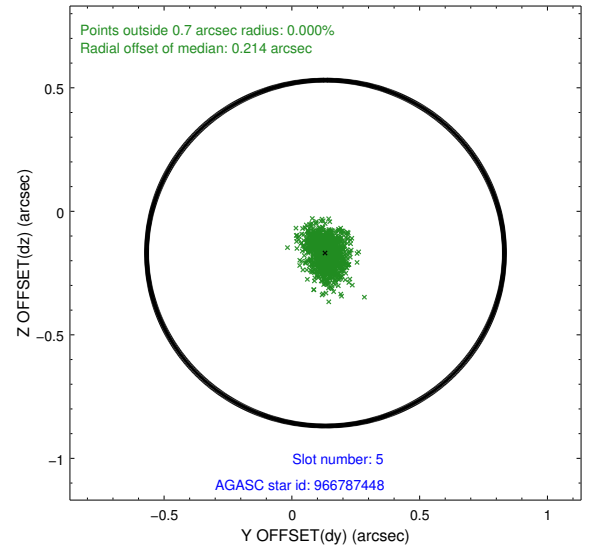
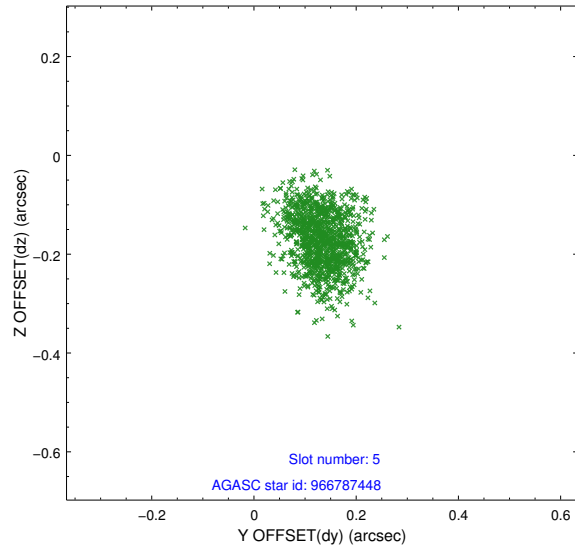
### 2.4.1 Slot 3



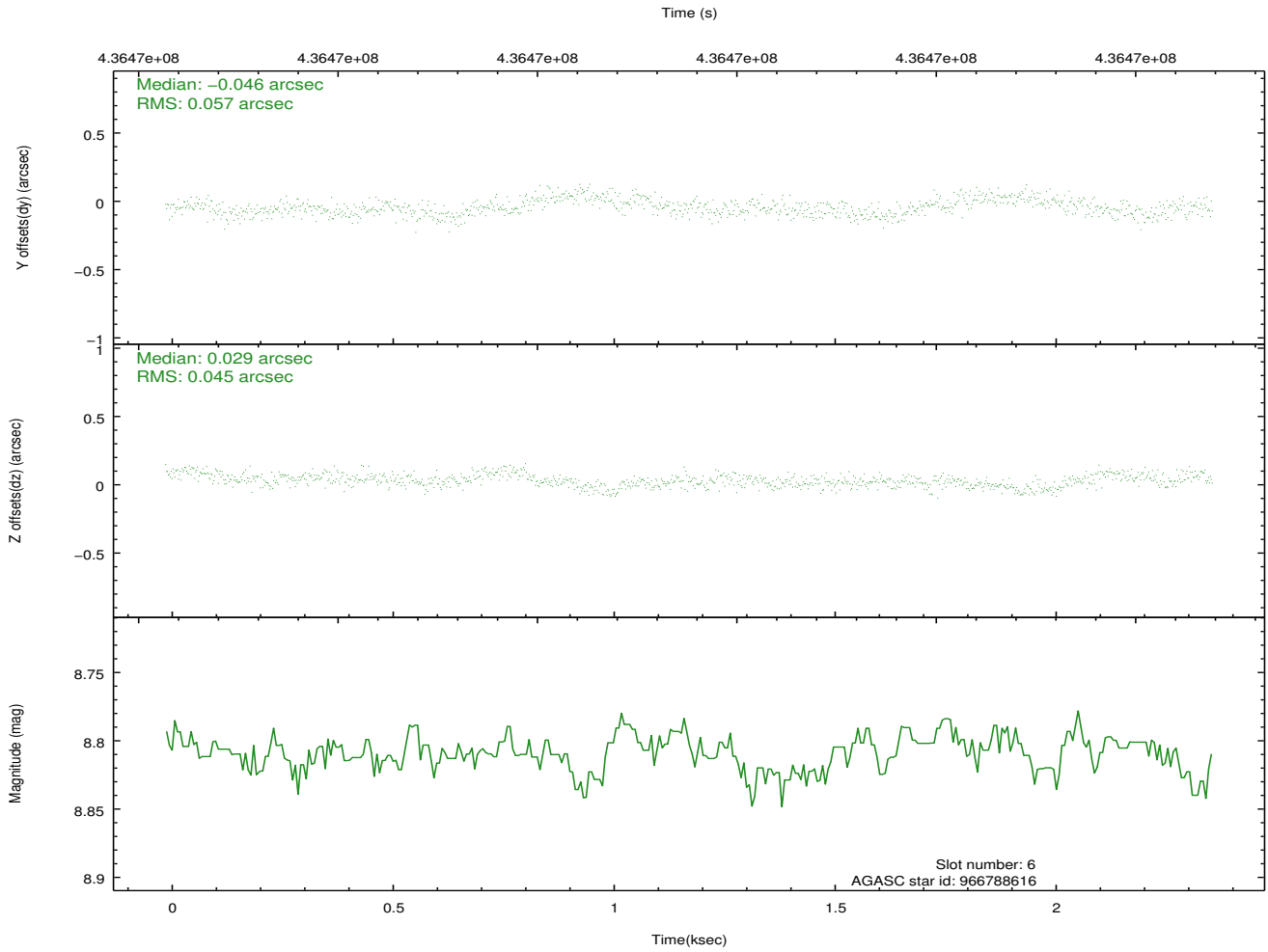
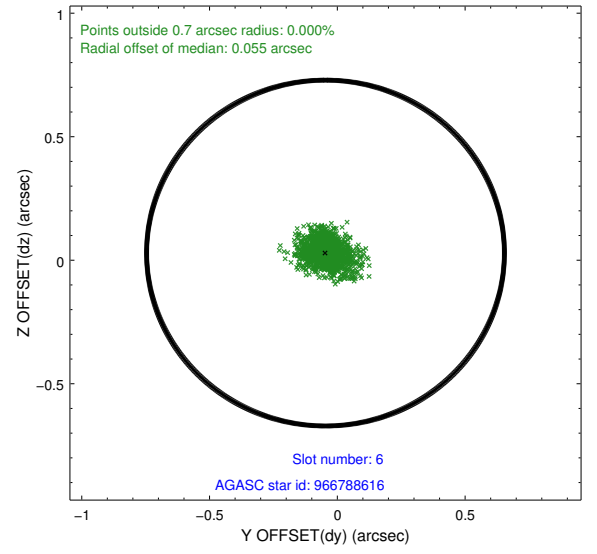
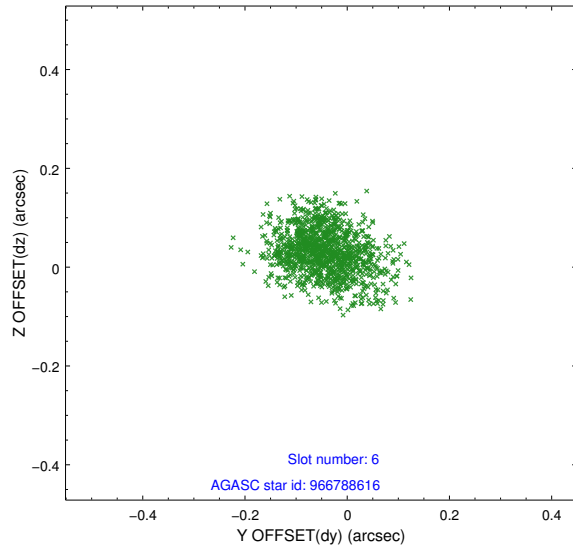
## 2.4.2 Slot 4



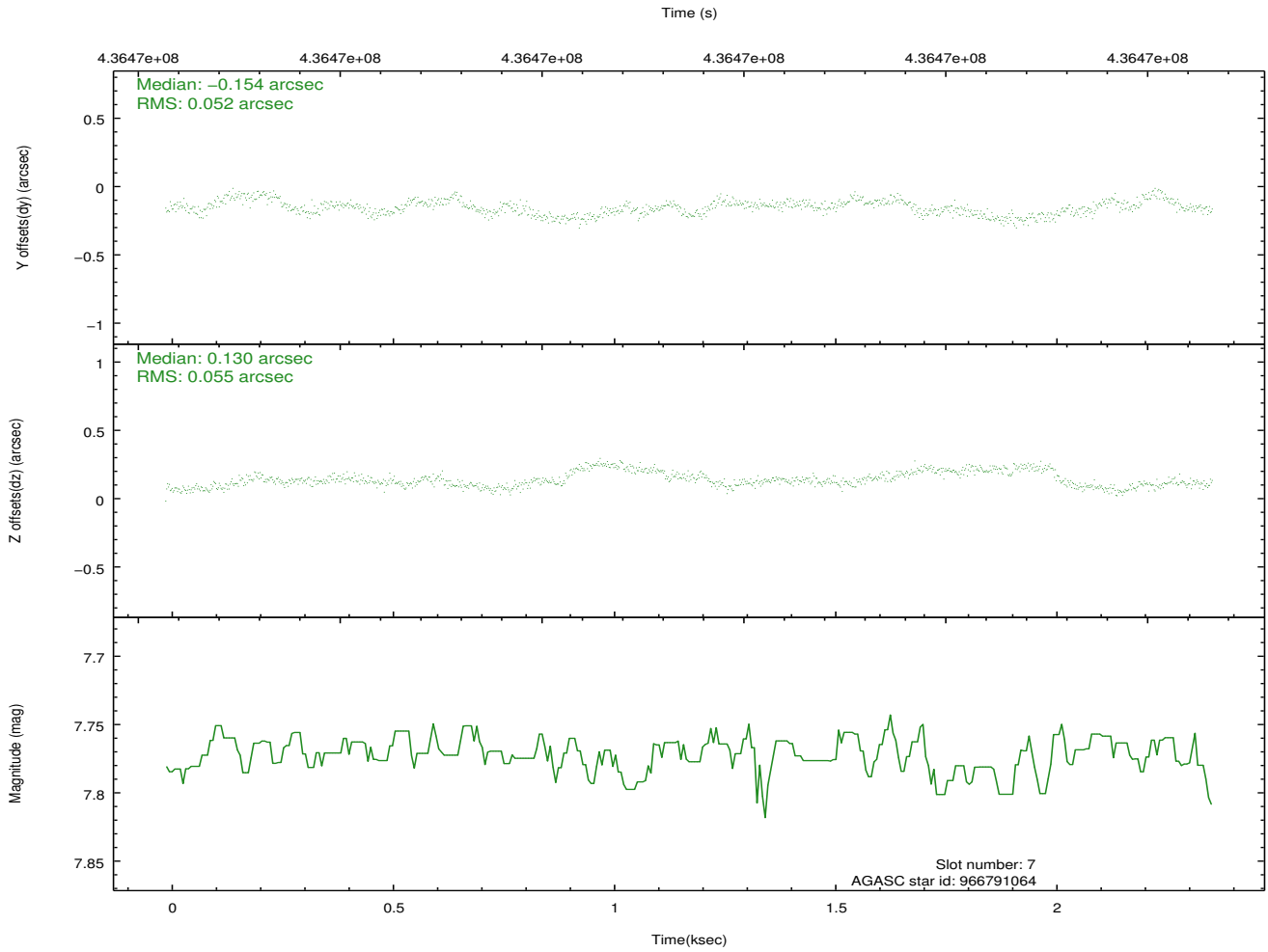
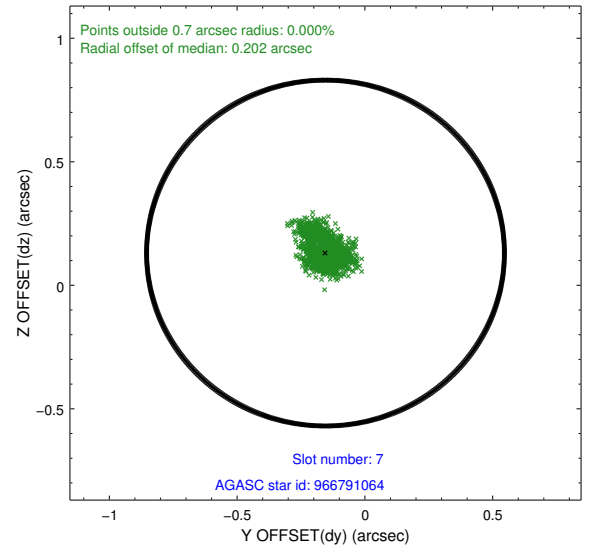
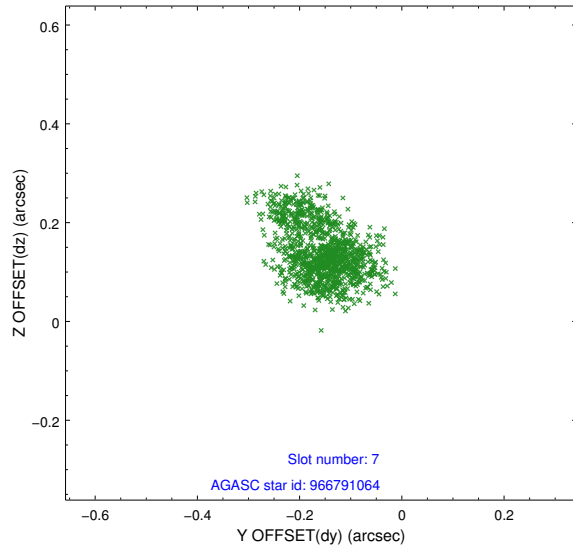
### 2.4.3 Slot 5



## 2.4.4 Slot 6

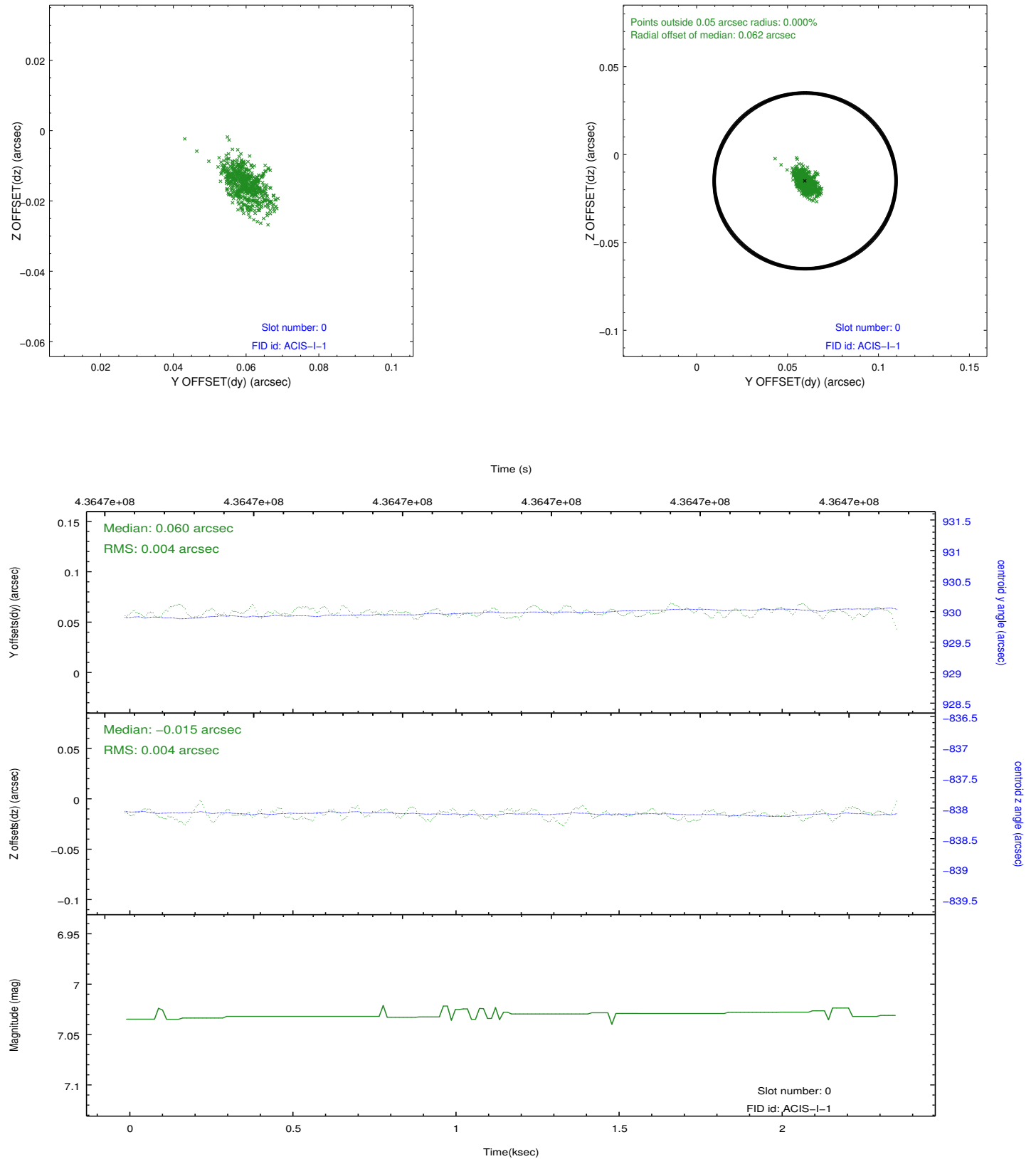


## 2.4.5 Slot 7

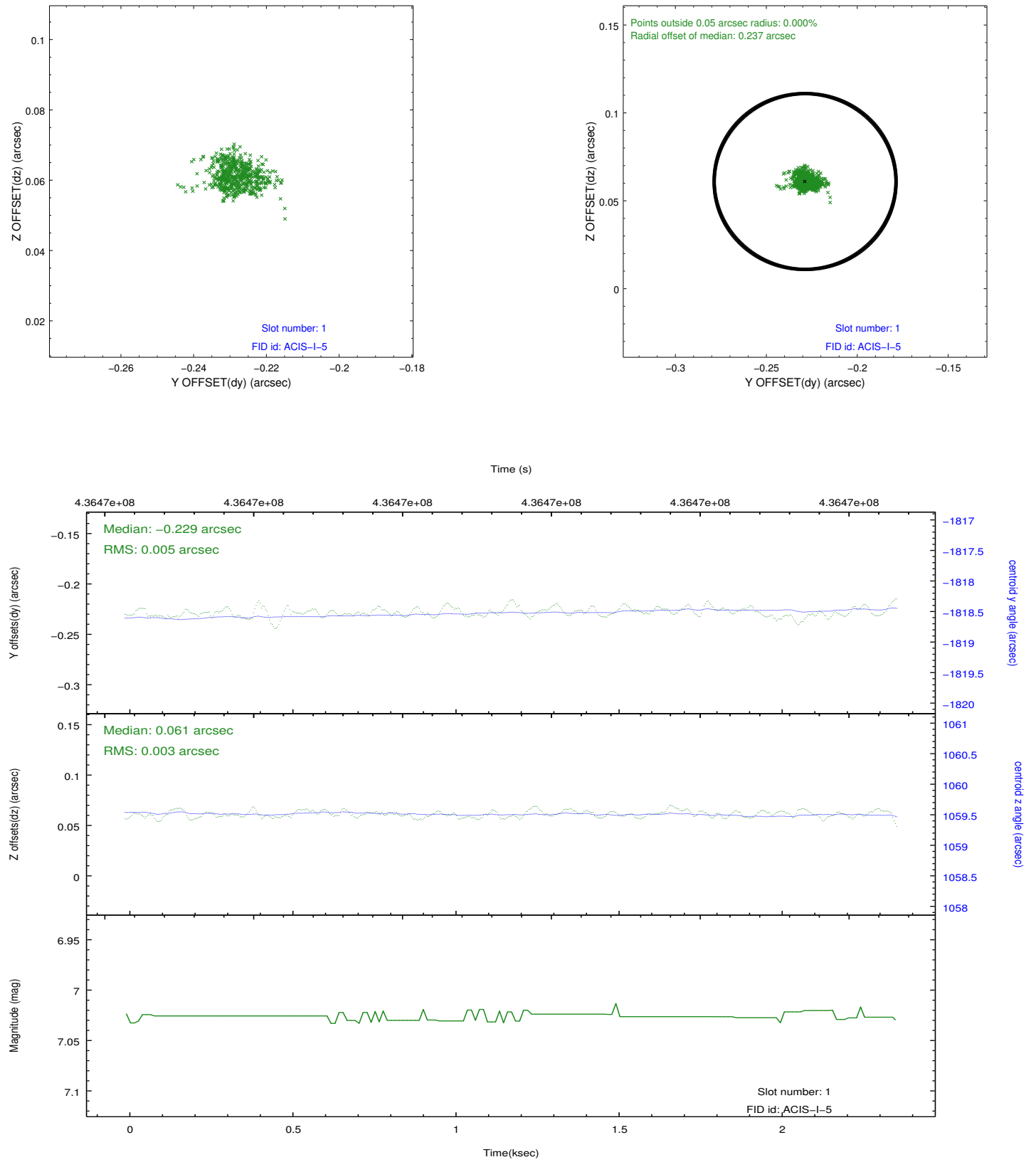


## 2.5 FID Slots

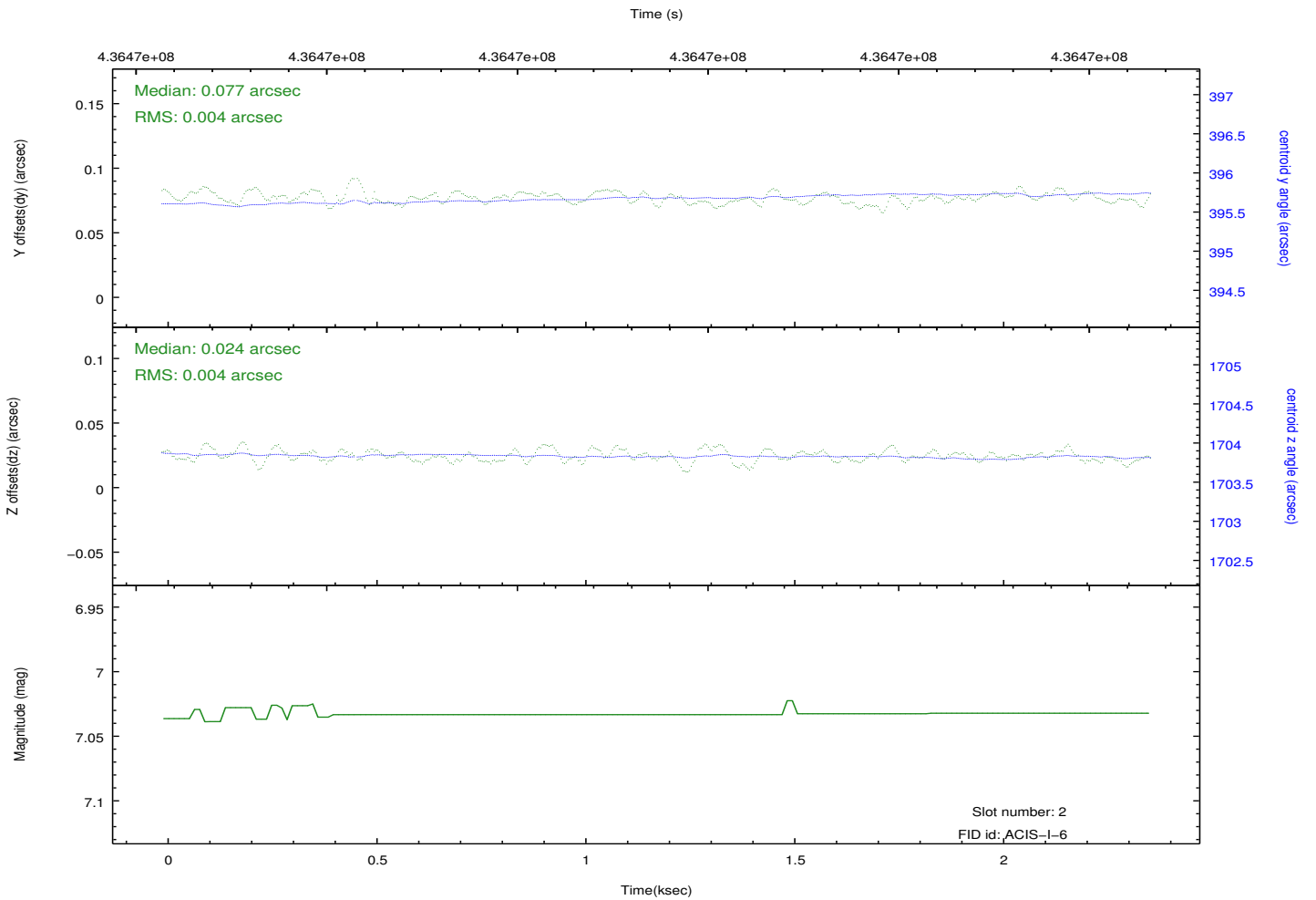
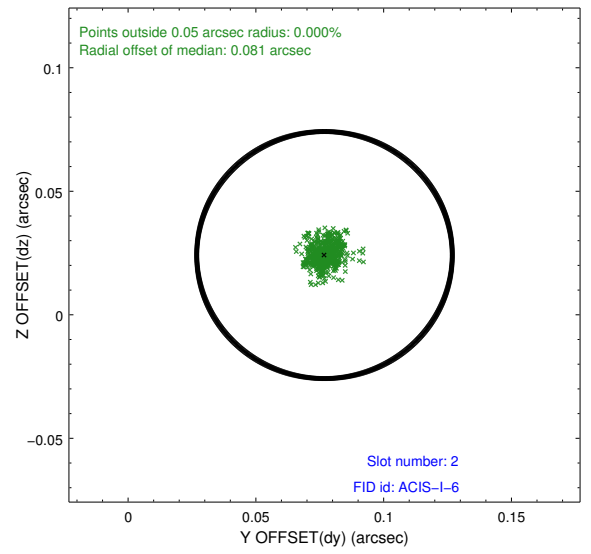
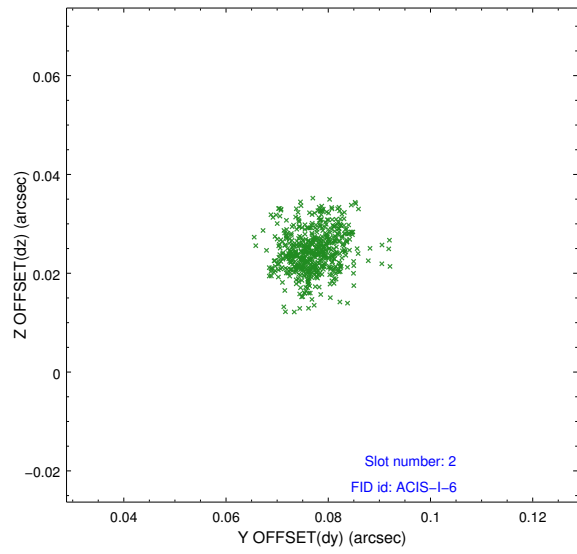
### 2.5.1 Slot 0



## 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)	2012.03.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.9716000151634

### A.2 Comments

Joint Proposal: NOAO