

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13586 - L2 Version 2  
Chandra X-Ray Center

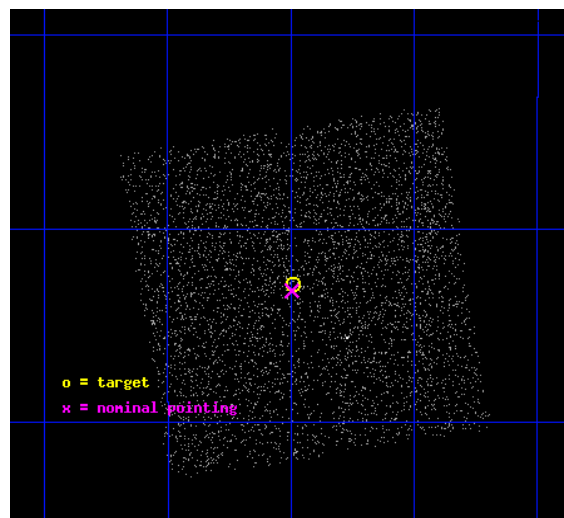
L2 Processing Date : Mar 2 2012

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# 1 Front

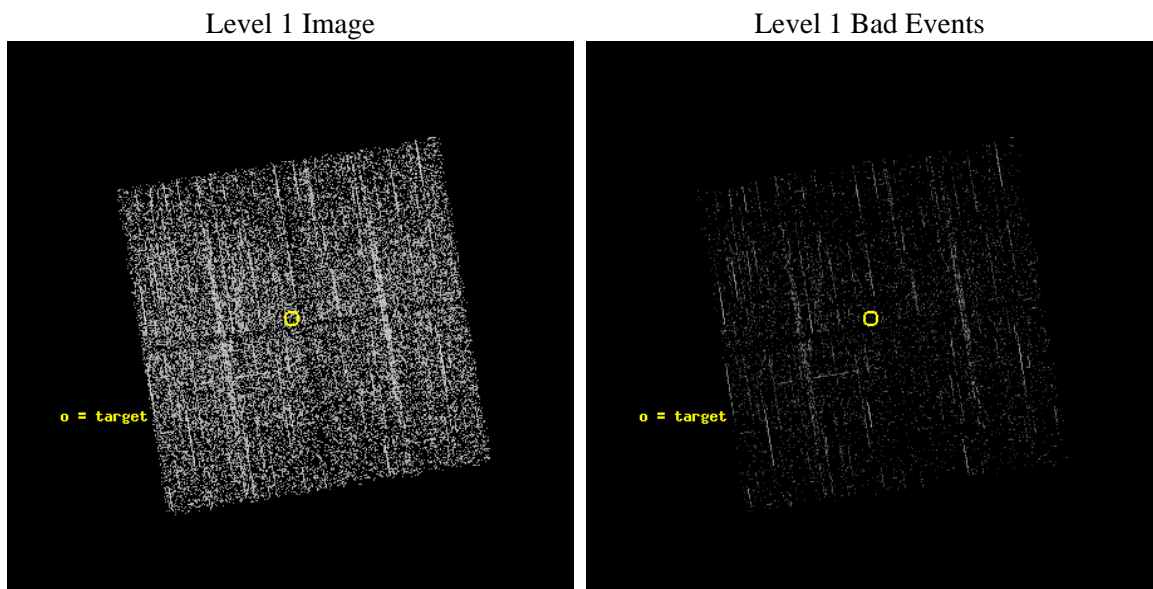
seq_num	401362	Sequence number
obs_id	13586	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-6	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.622193	Observer's specified target RA [deg]
dec_targ	-30.714959	Observer's specified target Dec [deg]
ra_nom	263.62399120213	Nominal RA [deg]
dec_nom	-30.720274920509	Nominal Dec [deg]
roll_nom	260.81408628858	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	1971.6000151634	Sum of GTIs [s]
ontime2	1971.6000151634	Sum of GTIs [s]
ontime3	1971.6000151634	Sum of GTIs [s]
l2events	5363	Number of level 2 events



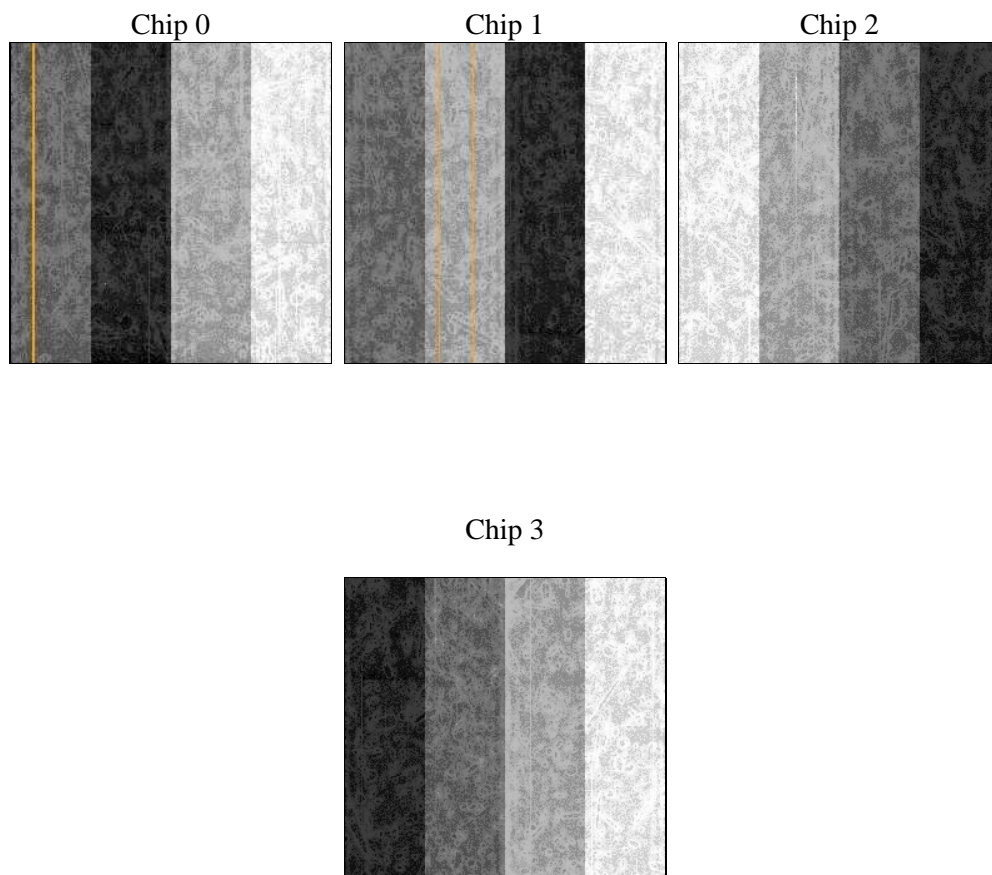
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	1971.6000151634	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	1971.6000151634	Sum of GTIs [s]
date	2012-03-02T11:56:45	Date and time of file creation	ontime1	1971.6000151634	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	45065	Number of level 1 events

### 2.1.4 Events

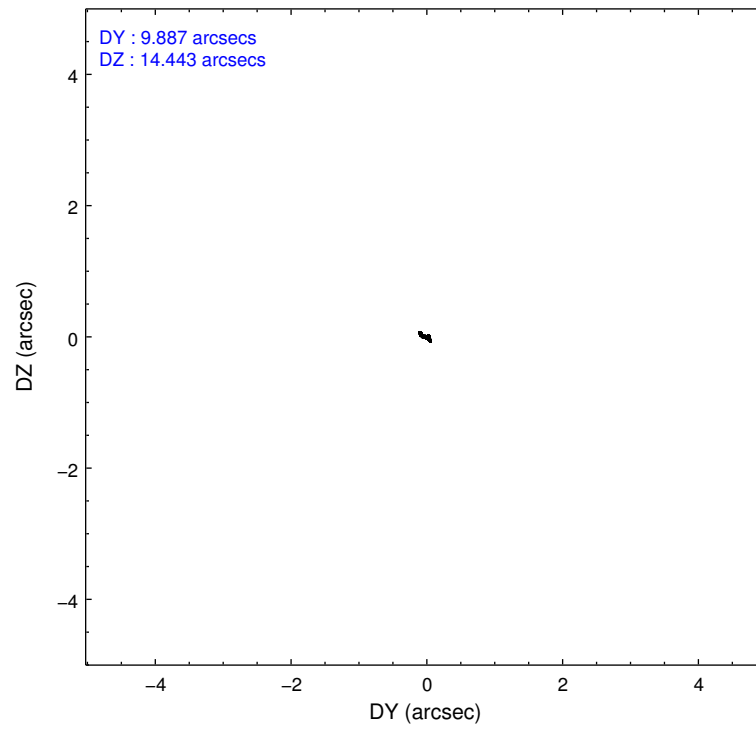
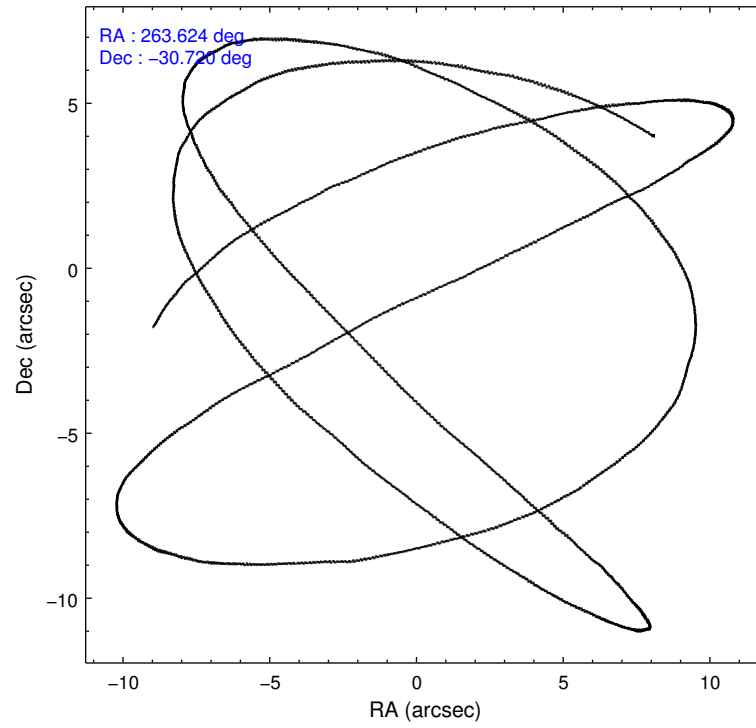
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	10030	11039	11836	12160
rejected events	8446	9276	10348	10698
rejected %	84%	84%	87%	87%

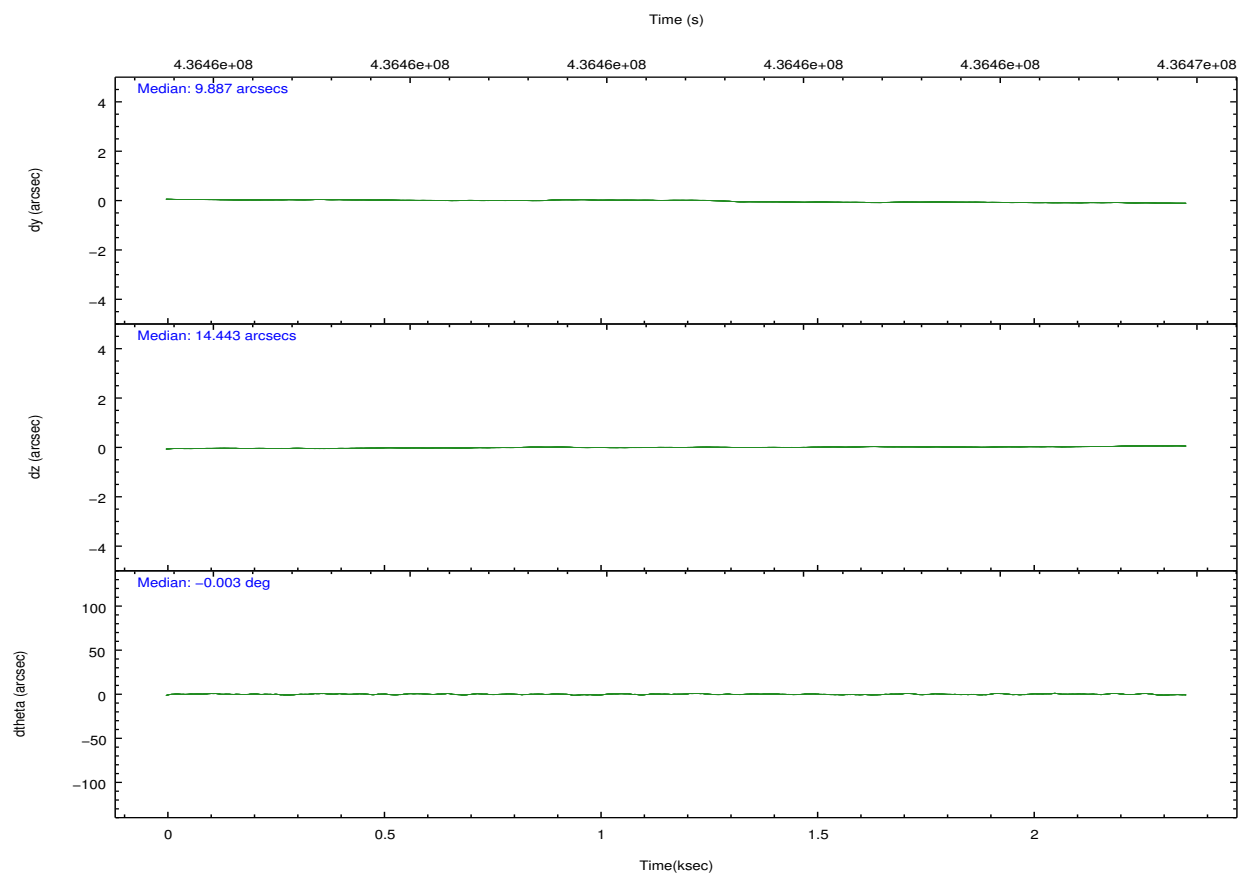
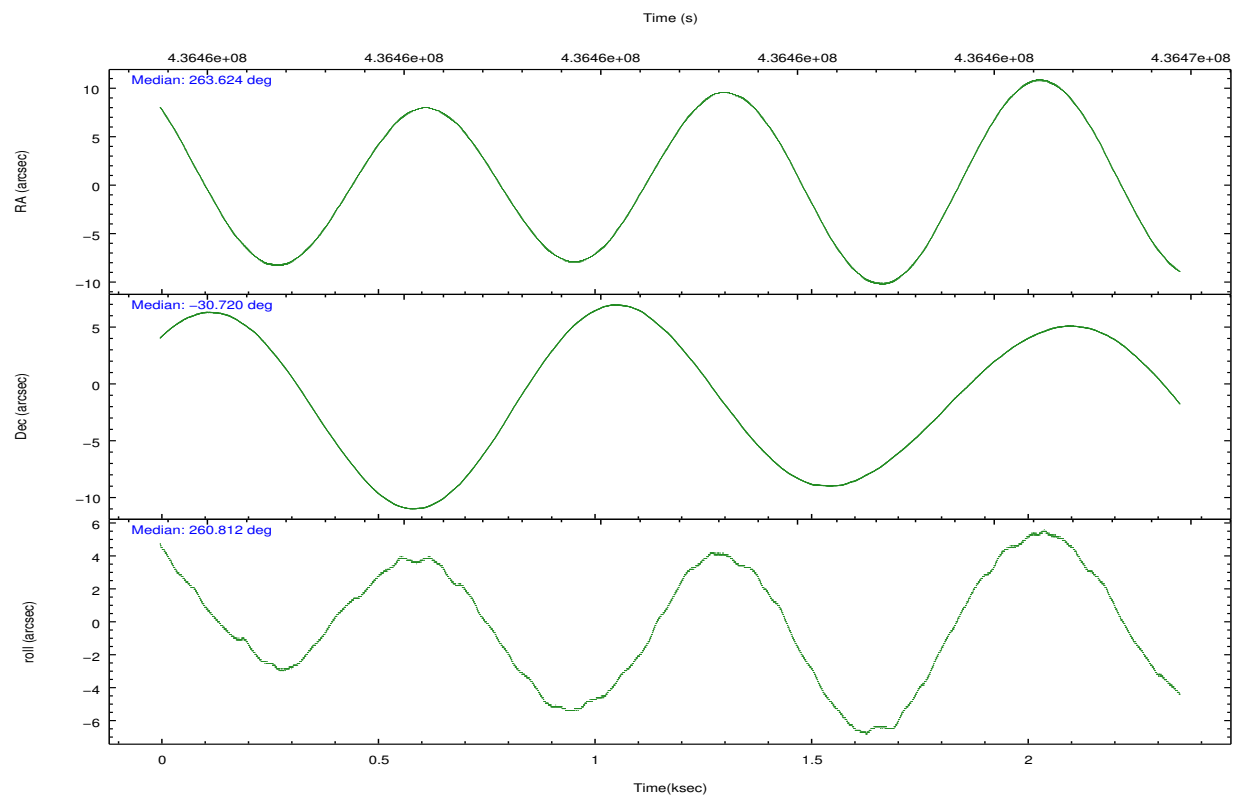
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	626	737	585	621
	6%	6%	4%	5%
grade 1 events	8	8	10	12
	0%	0%	0%	0%
grade 2 events	375	367	322	307
	3%	3%	2%	2%
grade 3 events	154	166	150	143
	1%	1%	1%	1%
grade 4 events	146	173	168	148
	1%	1%	1%	1%
grade 5 events	519	532	492	566
	5%	4%	4%	4%
grade 6 events	289	330	269	250
	2%	2%	2%	2%
grade 7 events	7913	8726	9840	10113
	78%	79%	83%	83%

## 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	263.612506	263.6239912021275	Subarray requested	NONE	NONE
[deg] Pointing Dec	-30.694827	-30.72027492050933	Alternating exposures requested	N	N
[deg] Pointing Roll	260.599563	260.8140862885816	[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)	436463179.184000	436462803.55384			
Observation start date	2011-10-31T15:45:13	2011-10-31T15:40:03			
[s] Observation end time (MET)	436465359.184000	436465493.15399			
Observation end date	2011-10-31T16:21:33	2011-10-31T16:24:53			
Read mode	TIMED	TIMED			

## 2.3 Aspect





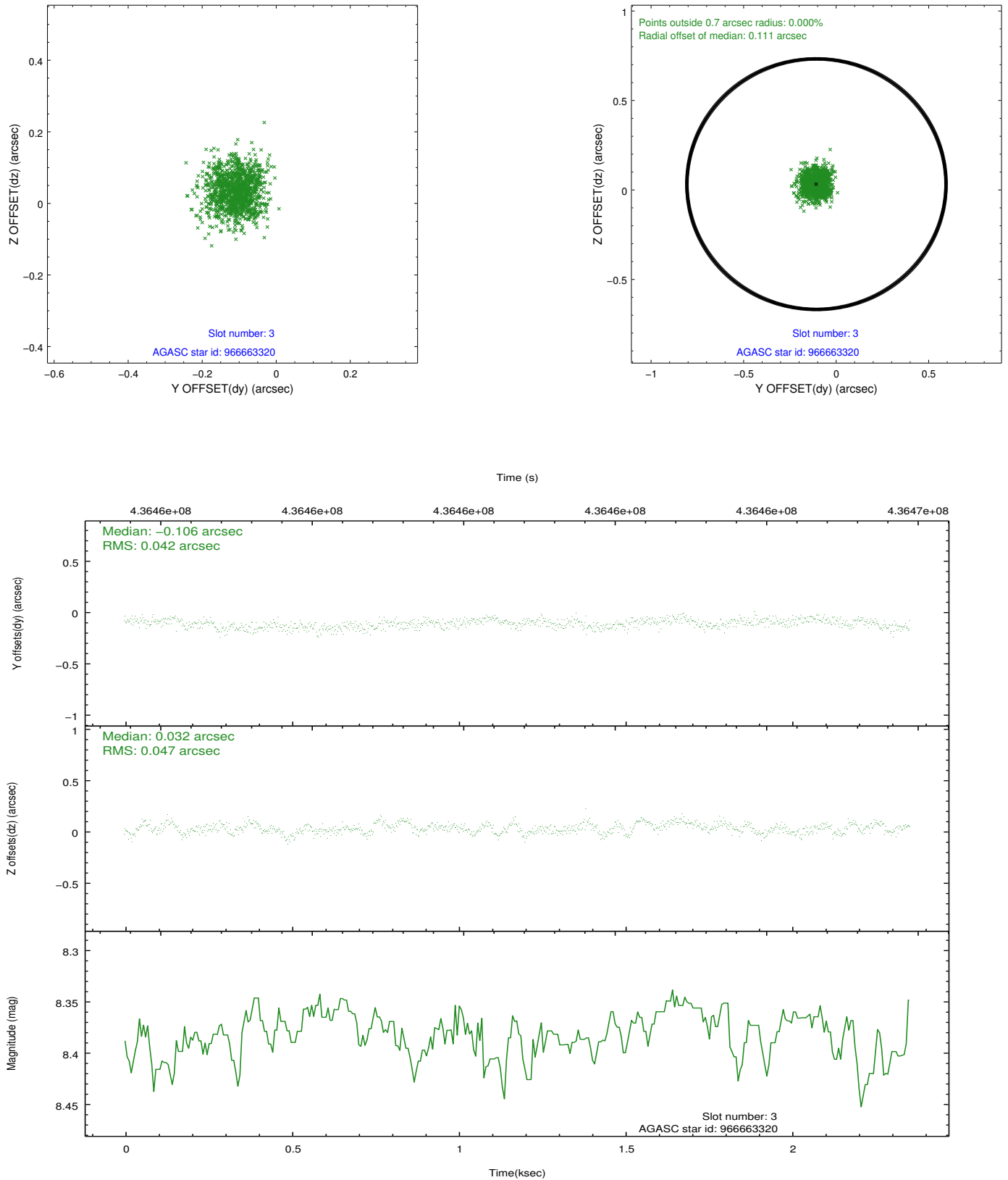
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.04	575	0.064	-0.025	0.006	0.011	0.000000	0.000000	929.81	-838.04
1	FID	ACIS-I-5	7.03	575	-0.233	0.062	0.005	0.010	0.000000	0.000000	-1817.09	1058.12
2	FID	ACIS-I-6	7.04	575	0.078	0.033	0.006	0.010	0.000000	0.000000	392.34	1705.74
3	GUIDE	966663320	8.38	1150	-0.106	0.032	0.066	0.109	263.144579	-30.119819	-1799.73	-1774.99
4	GUIDE	966787448	8.55	1150	0.176	0.072	0.061	0.101	263.341993	-31.095036	1558.45	-588.36
5	GUIDE	966791064	7.76	1150	-0.218	0.000	0.054	0.084	263.920275	-30.338943	-1416.55	734.12
6	GUIDE	966662752	8.23	1150	-0.040	-0.089	0.065	0.099	262.898473	-30.245665	-1225.68	-2452.96
7	GUIDE	966789424	9.11	1149	0.194	-0.011	0.084	0.135	263.667420	-31.310754	2160.34	527.05

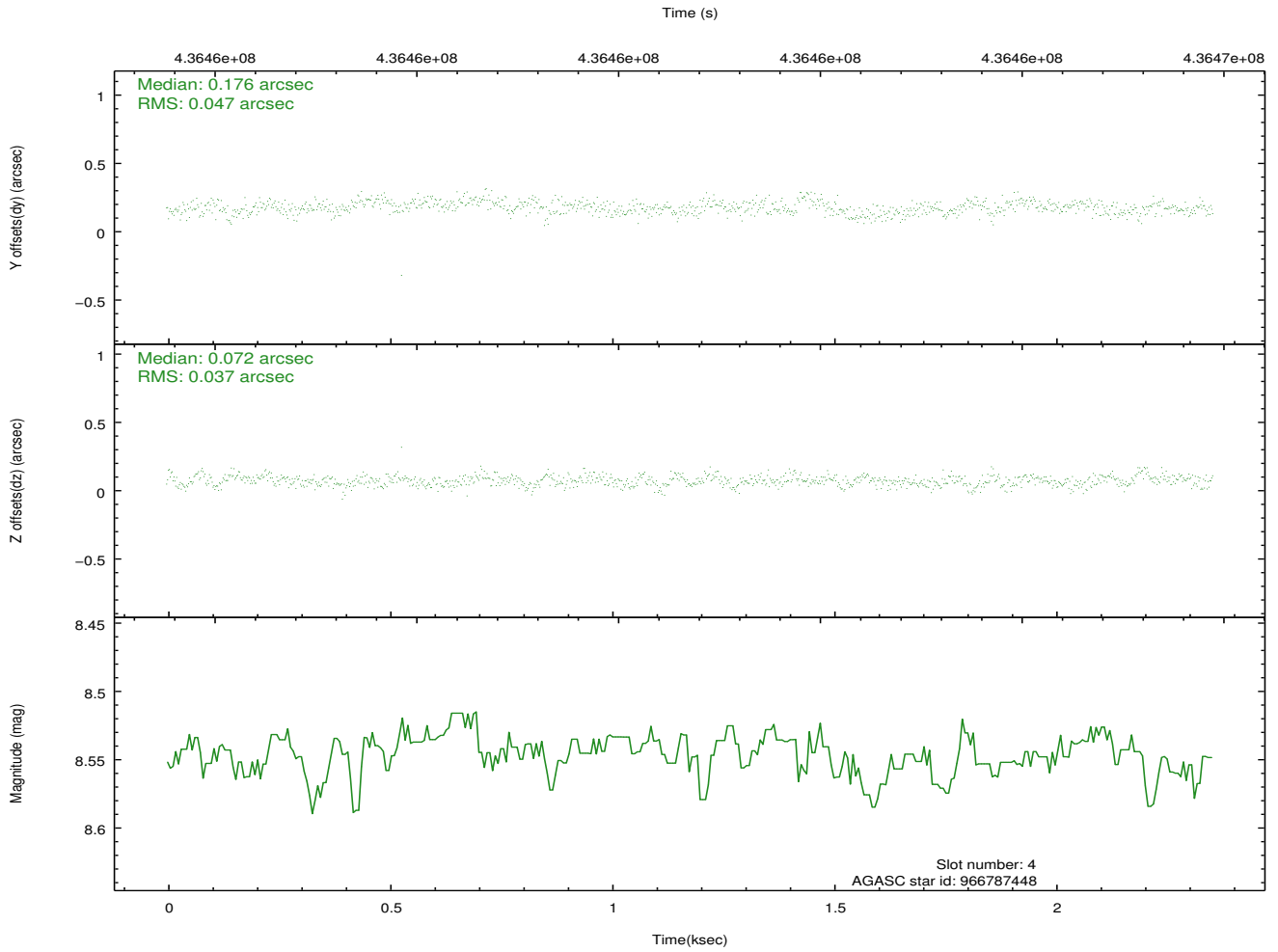
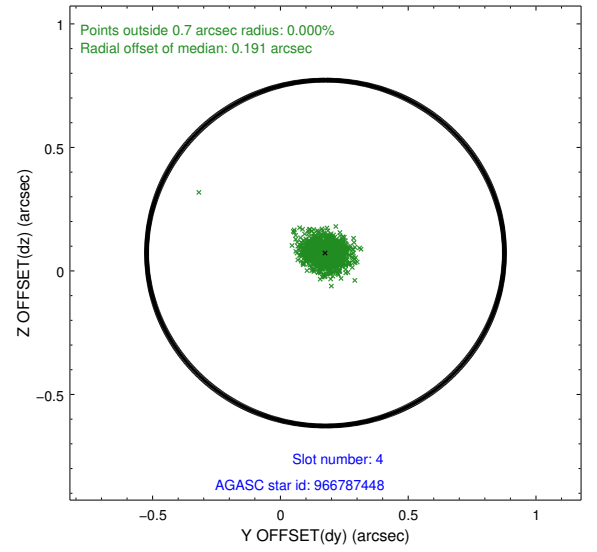
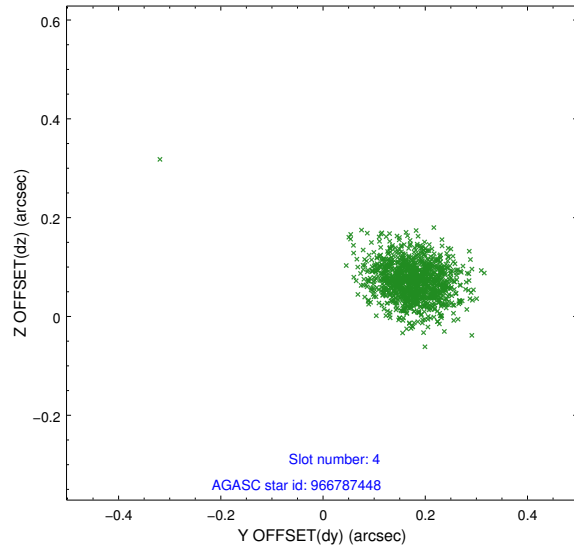


## 2.4 Star Slots

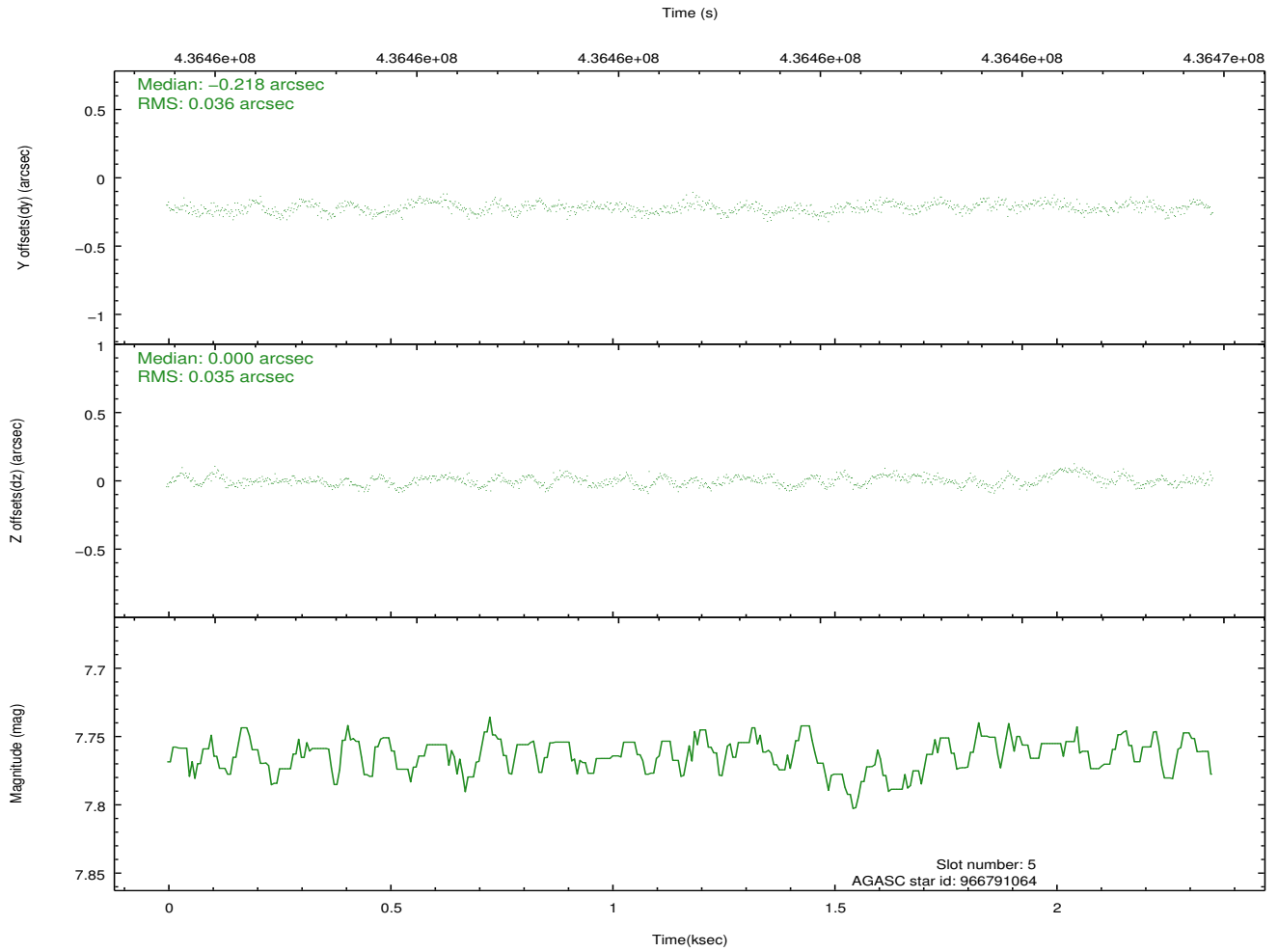
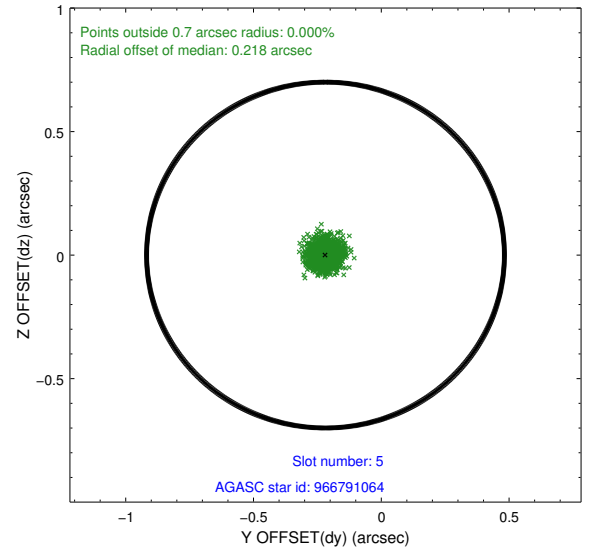
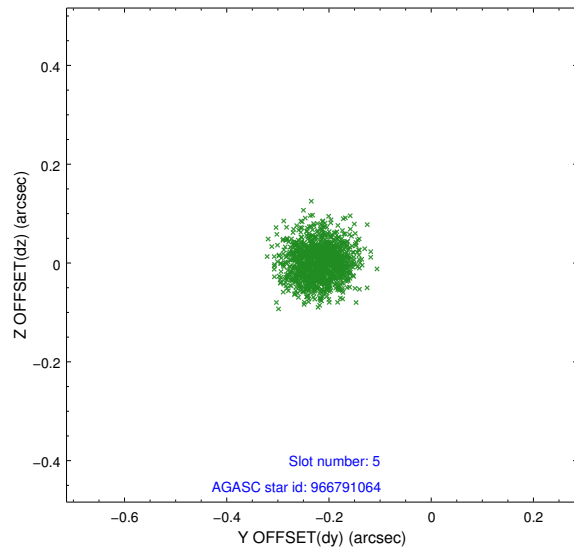
### 2.4.1 Slot 3



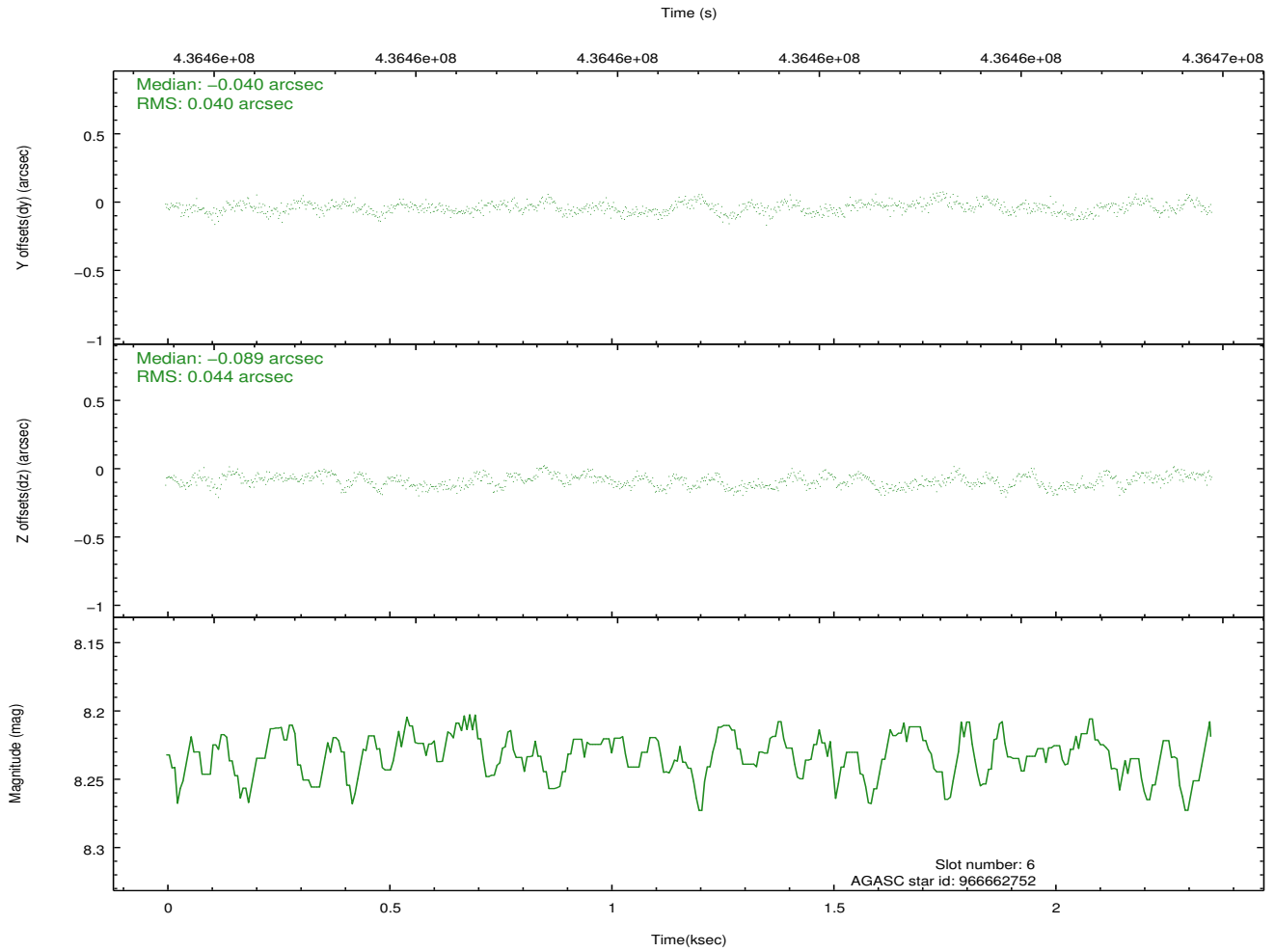
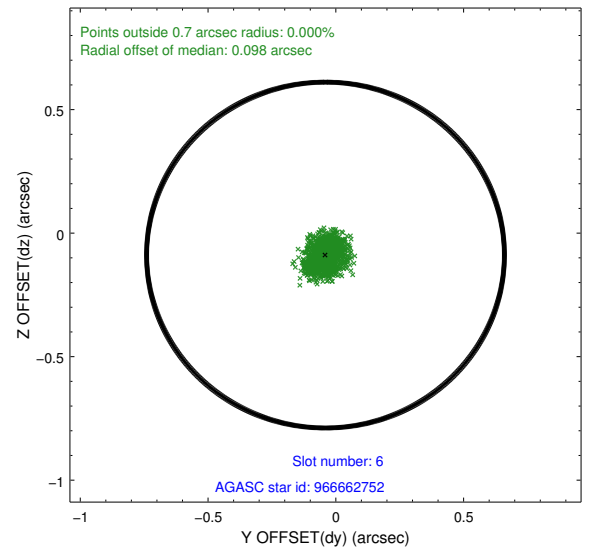
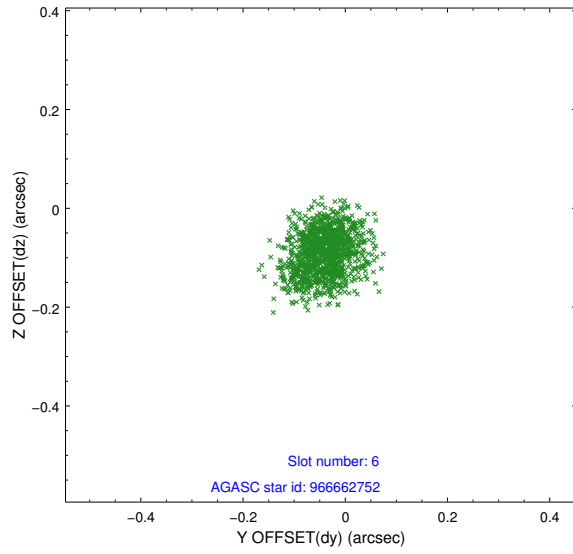
## 2.4.2 Slot 4



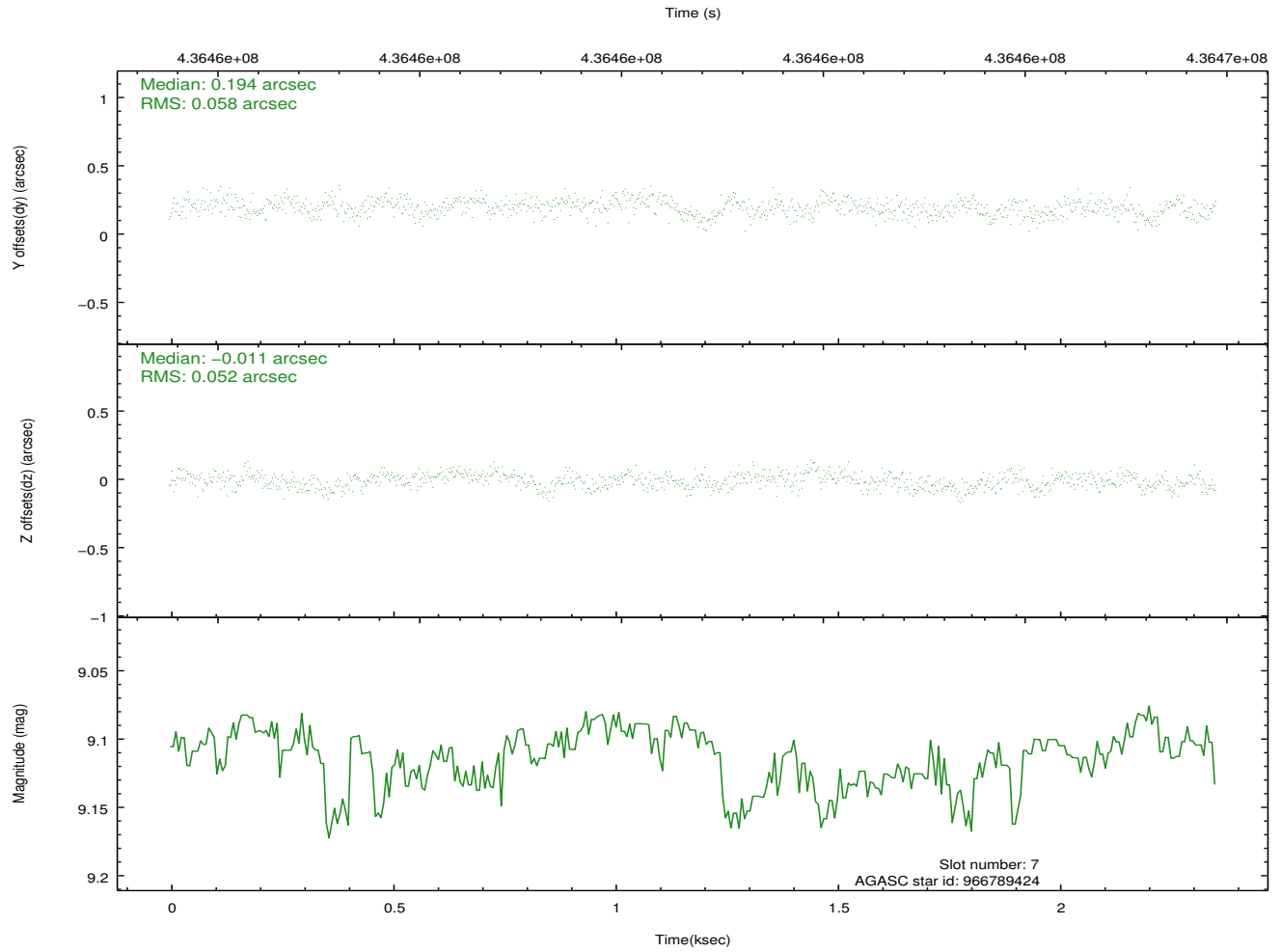
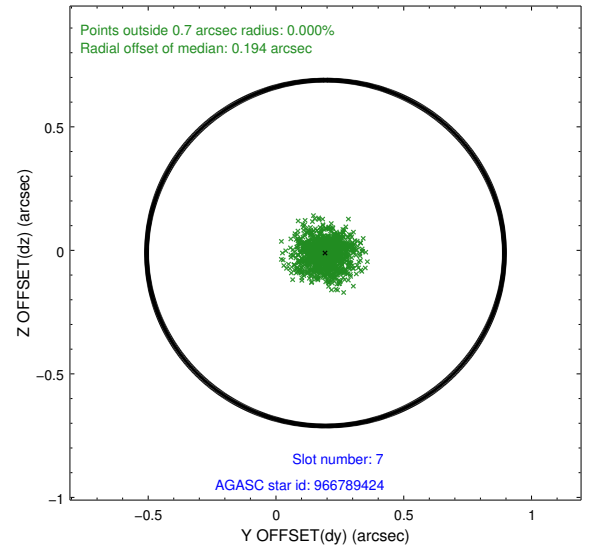
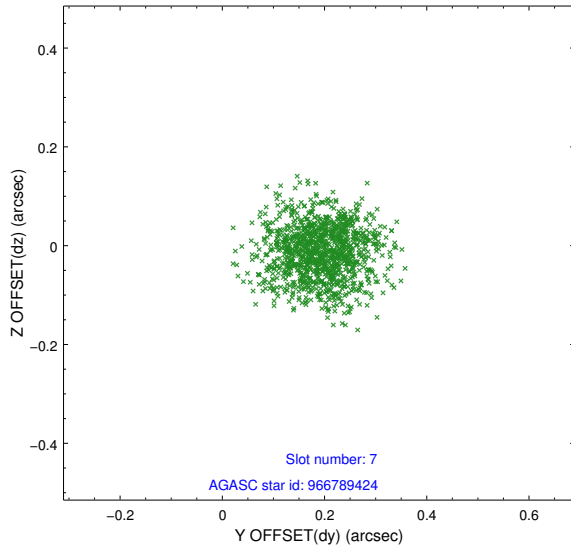
### 2.4.3 Slot 5



## 2.4.4 Slot 6

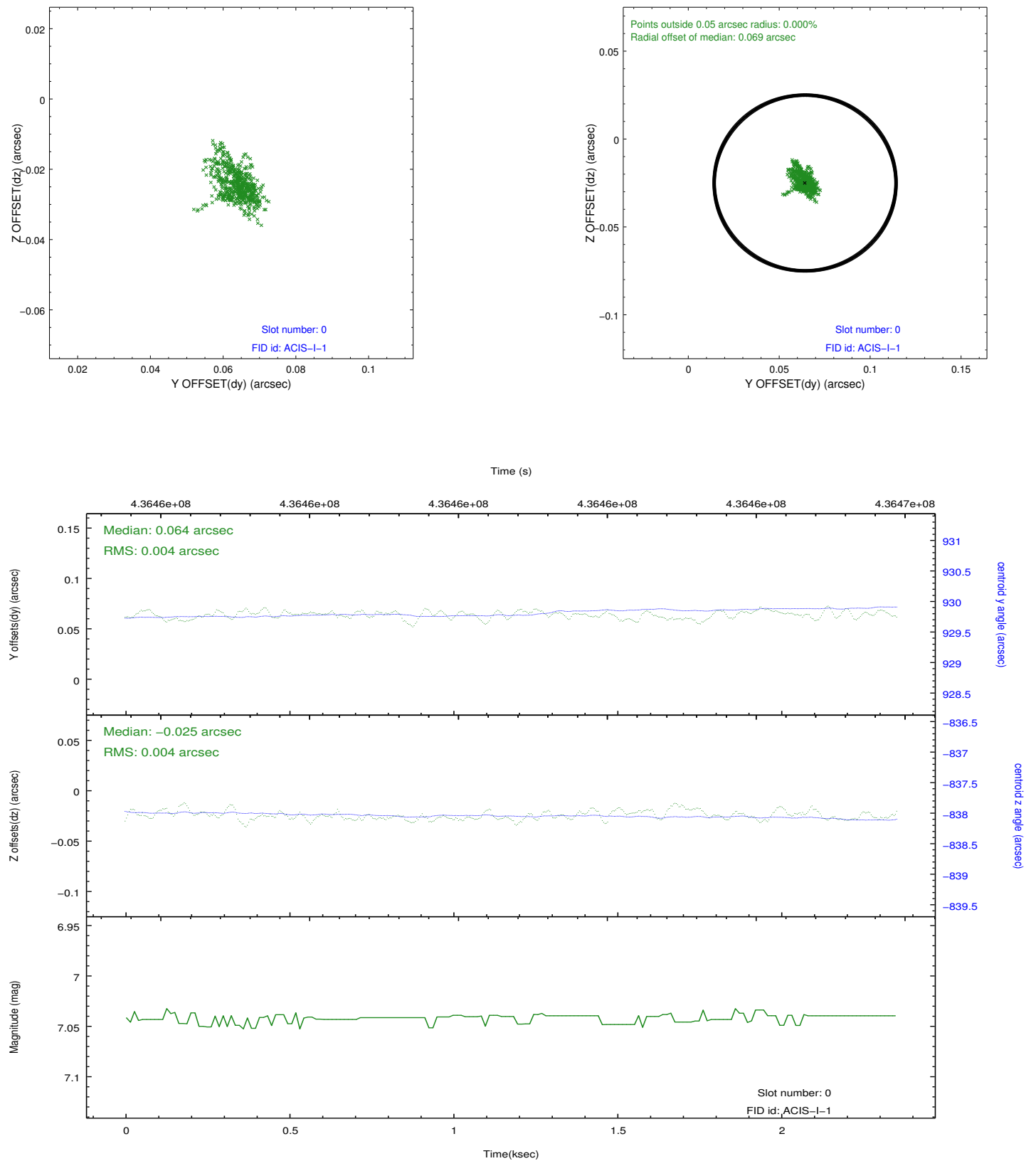


## 2.4.5 Slot 7

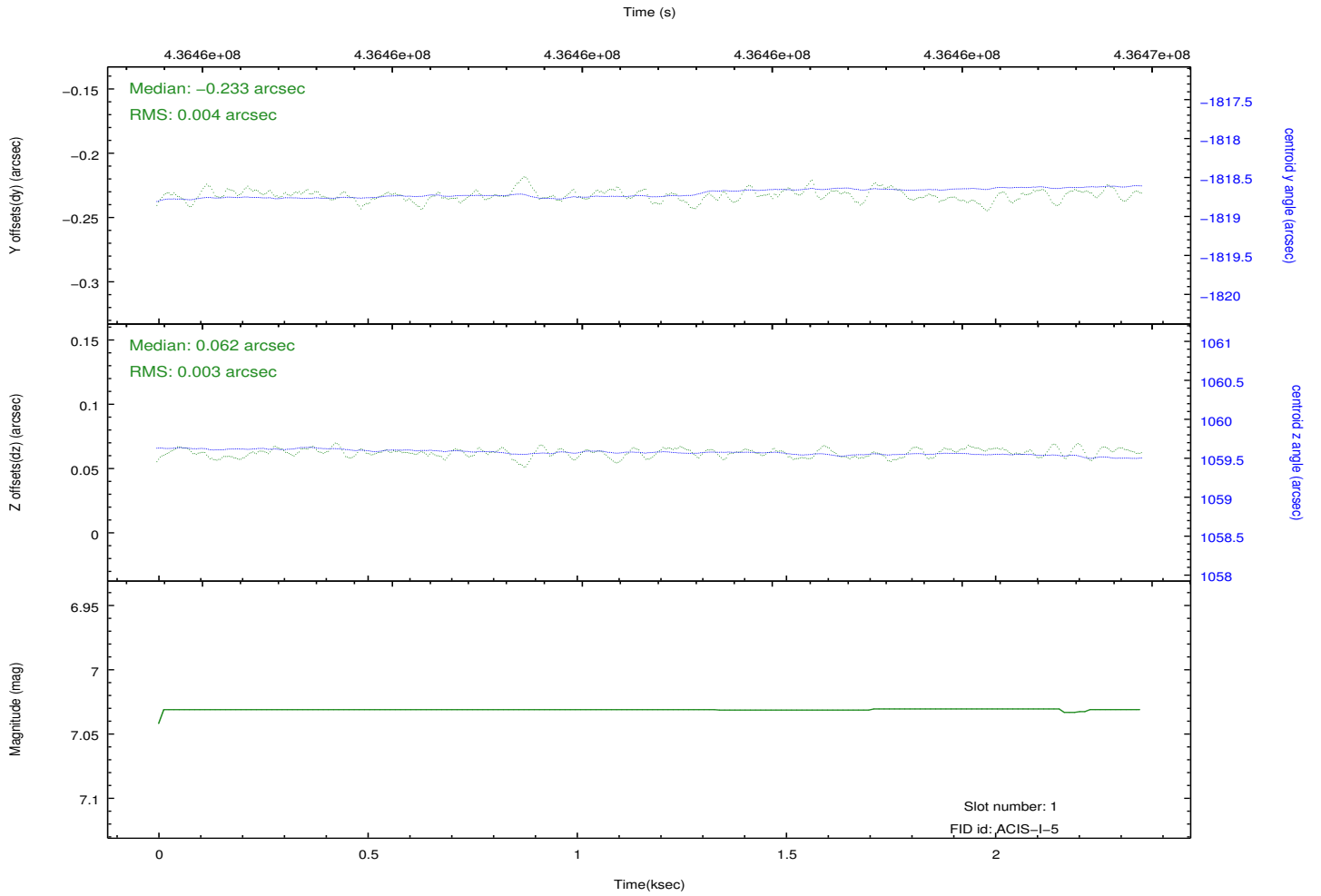
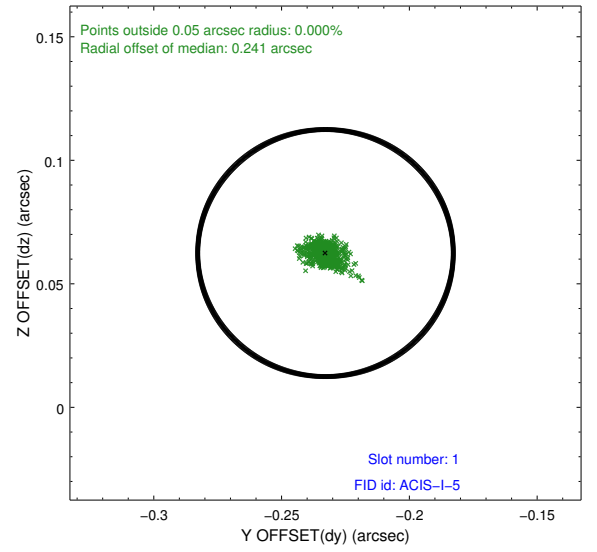
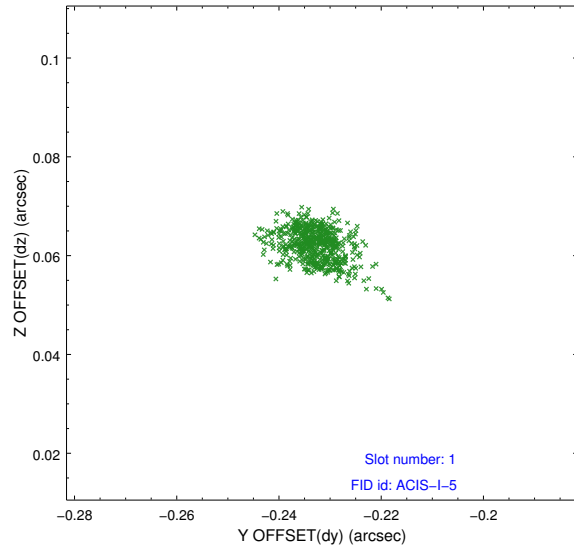


## 2.5 FID Slots

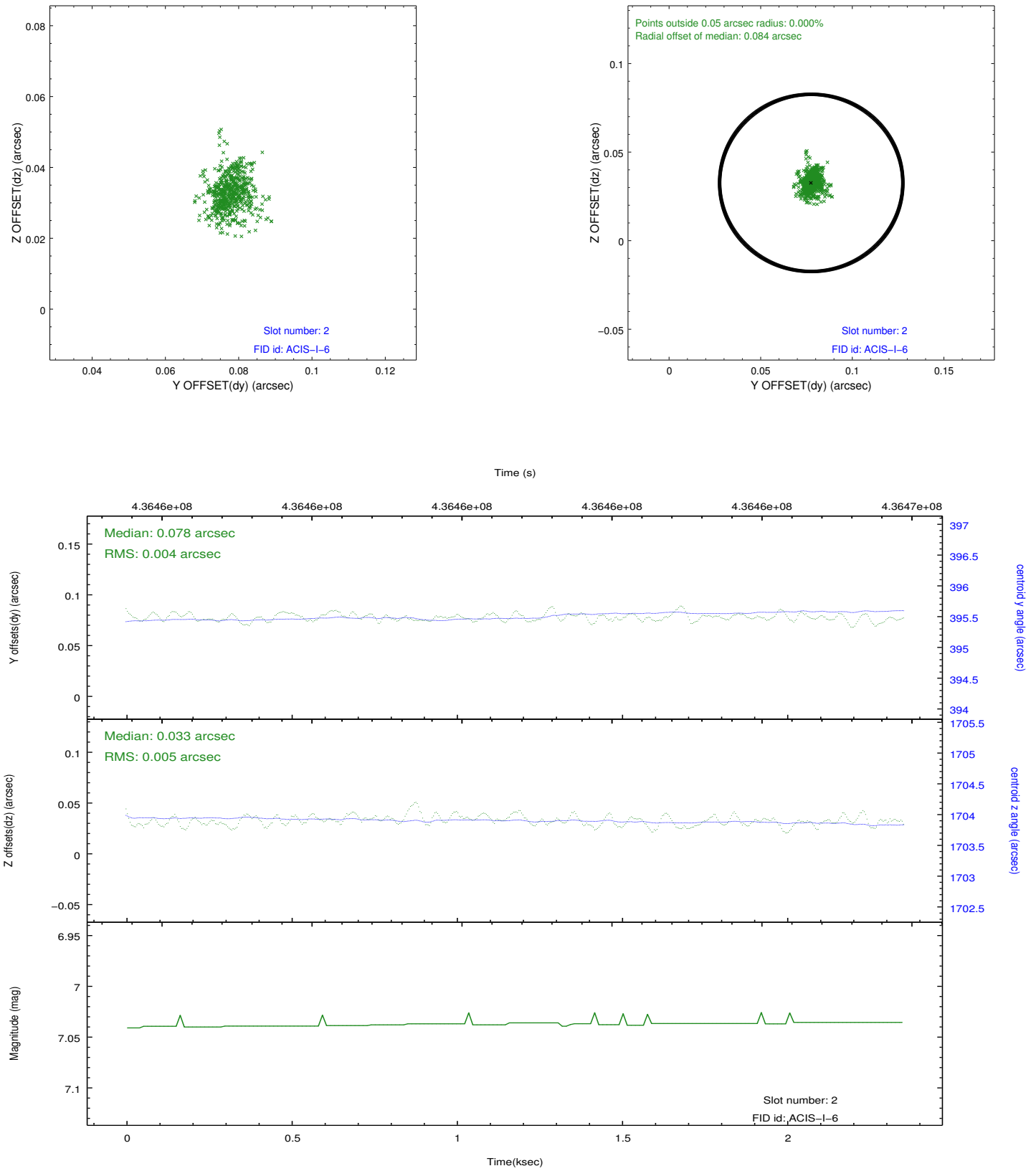
### 2.5.1 Slot 0



## 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