

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13584 - L2 Version 2  
Chandra X-Ray Center

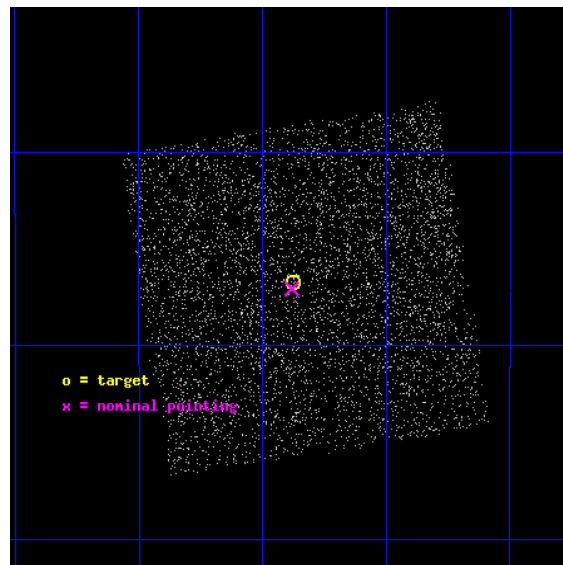
L2 Processing Date : Mar 2 2012

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# 1 Front

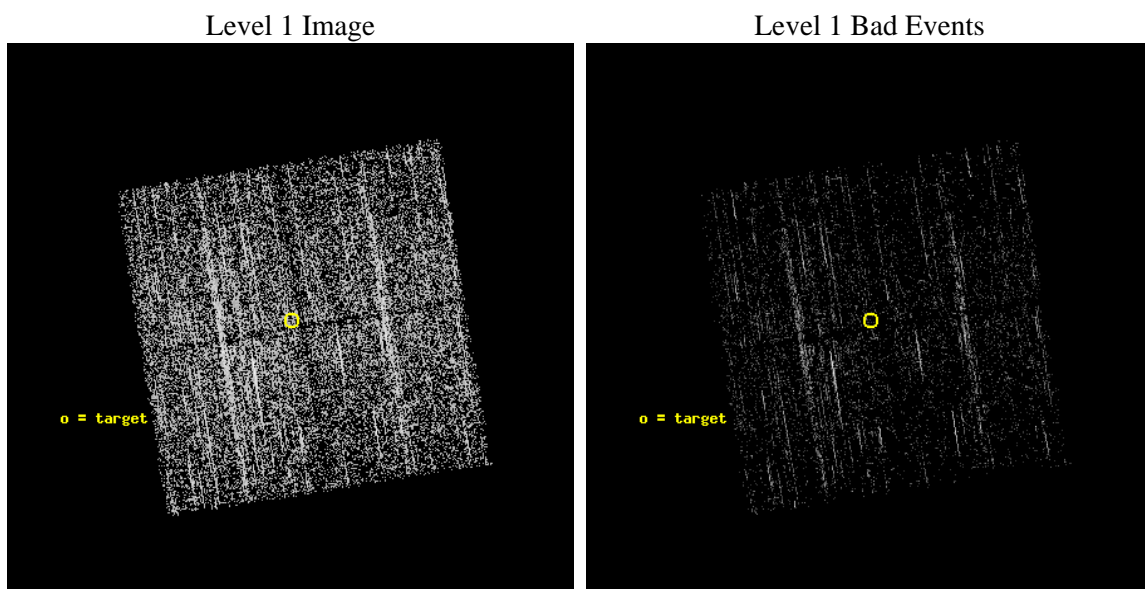
seq_num	401360	Sequence number
obs_id	13584	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-6	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	262.843623	Observer's specified target RA [deg]
dec_targ	-30.279122	Observer's specified target Dec [deg]
ra_nom	262.84559362074	Nominal RA [deg]
dec_nom	-30.28459966798	Nominal Dec [deg]
roll_nom	260.82241676012	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2067.7000159025	Sum of GTIs [s]
livetime	2040.6839929761	Livetime [s]
ontime0	2067.7000159025	Sum of GTIs [s]
ontime1	2067.7000159025	Sum of GTIs [s]
ontime2	2067.7000159025	Sum of GTIs [s]
ontime3	2067.7000159025	Sum of GTIs [s]
l2events	5682	Number of level 2 events



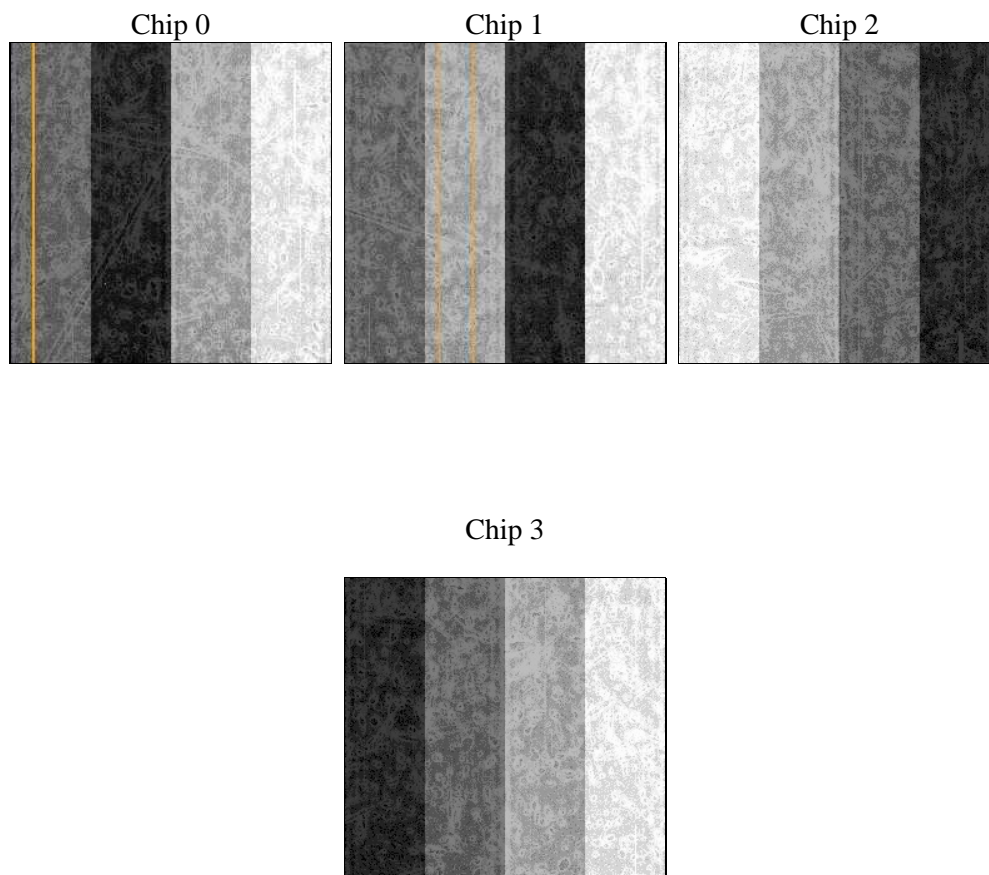
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	2067.7000159025	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	2067.7000159025	Sum of GTIs [s]
date	2012-03-02T14:21:13	Date and time of file creation	ontime1	2067.7000159025	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2067.7000159025	Sum of GTIs [s]
			ontime3	2067.7000159025	Sum of GTIs [s]
			l1events	49320	Number of level 1 events

### 2.1.4 Events

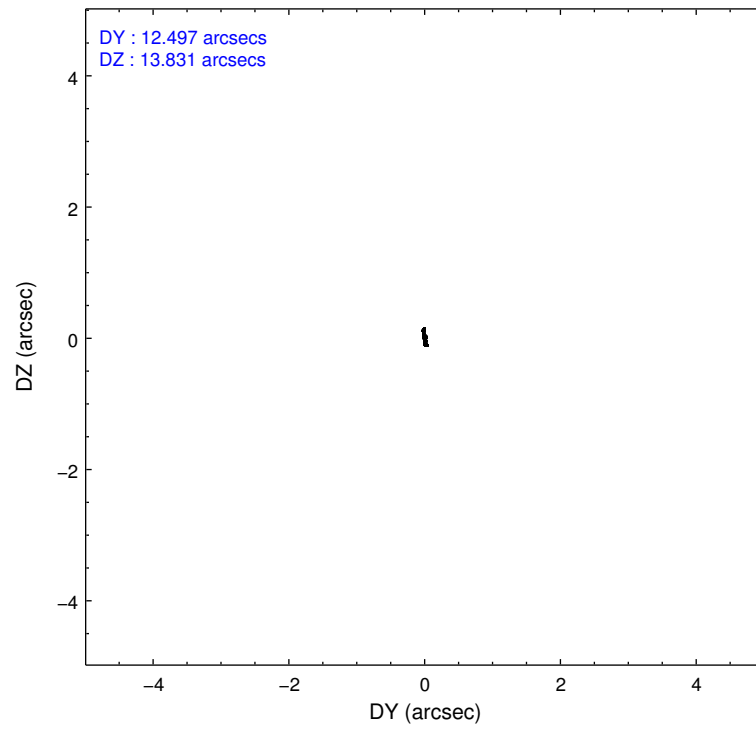
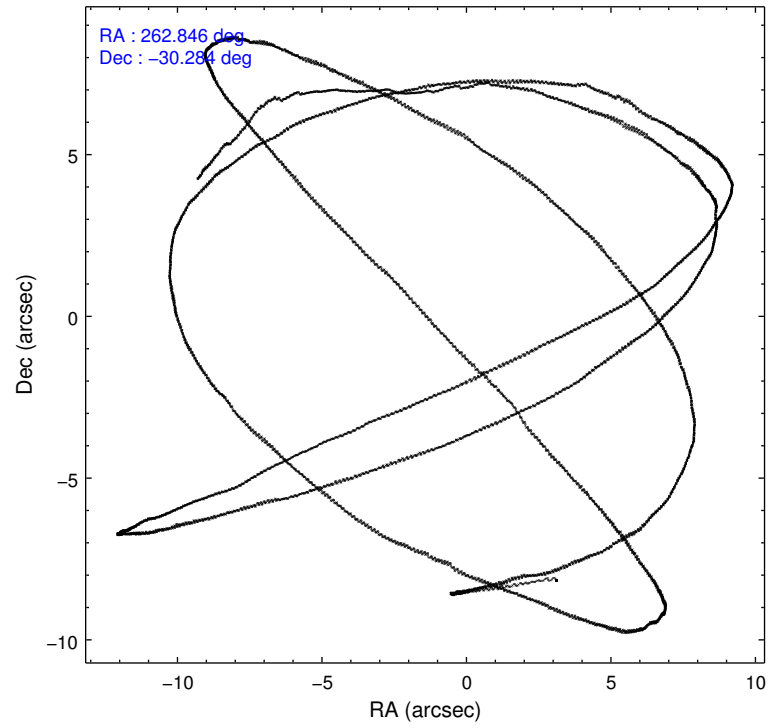
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	11312	11252	13762	12994
rejected events	9637	9410	12143	11443
rejected %	85%	83%	88%	88%

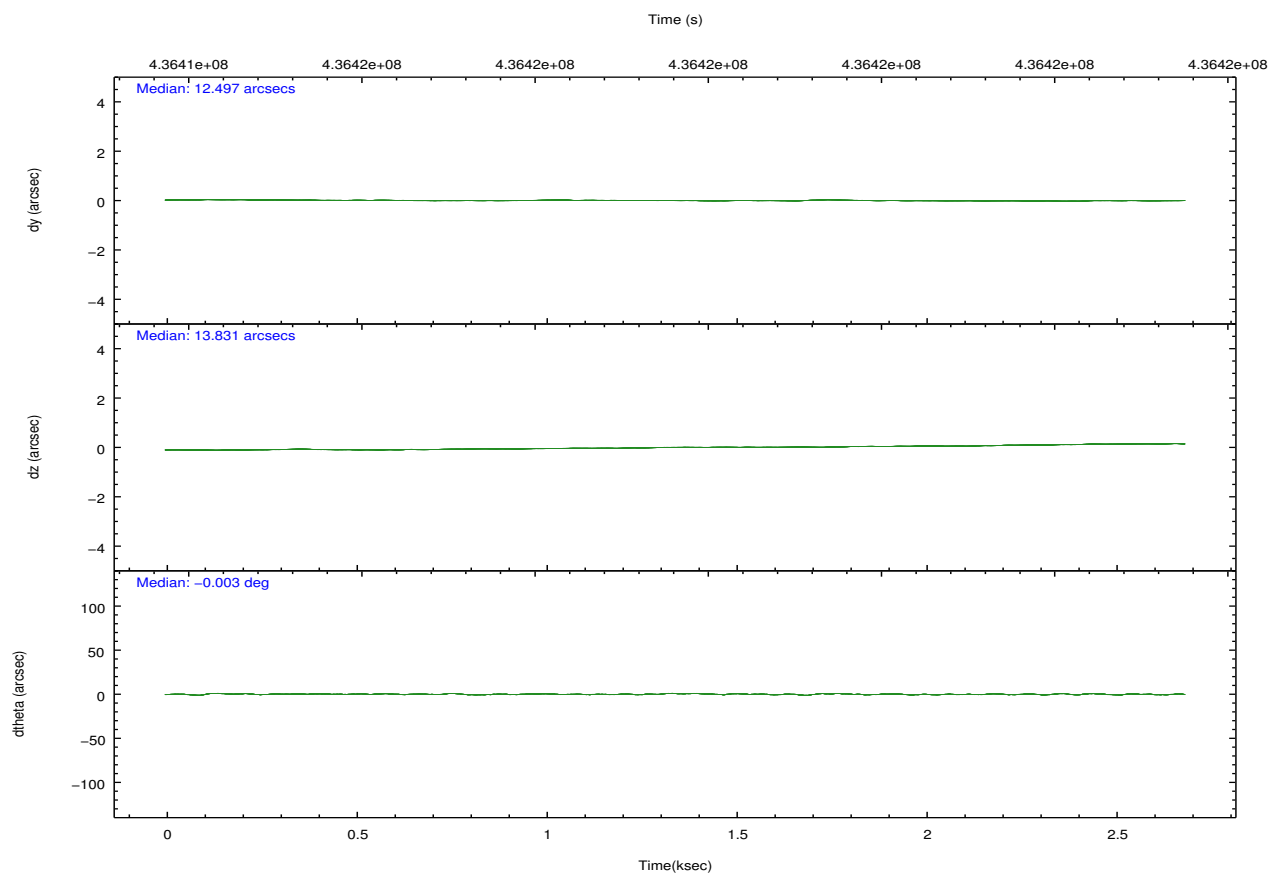
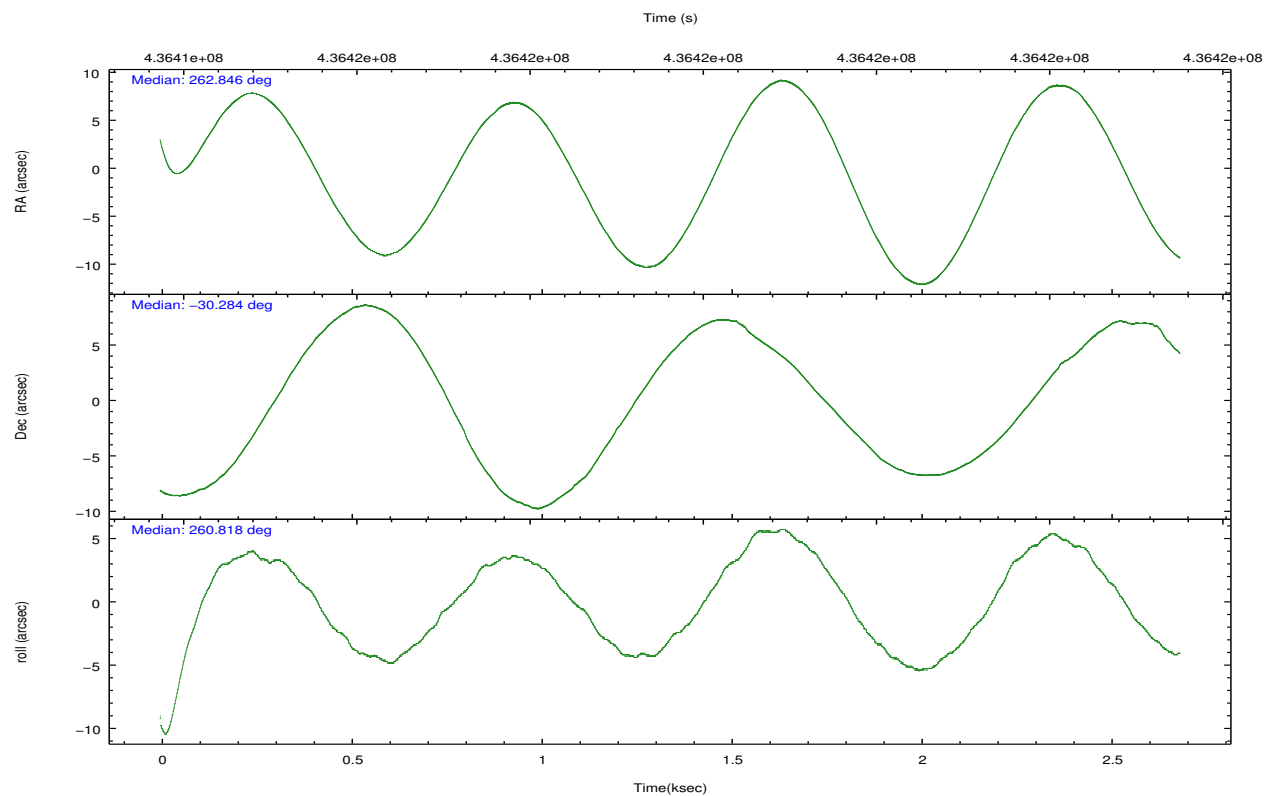
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	701	760	672	630
	6%	6%	4%	4%
grade 1 events	7	5	4	11
	0%	0%	0%	0%
grade 2 events	370	410	364	306
	3%	3%	2%	2%
grade 3 events	158	162	136	160
	1%	1%	0%	1%
grade 4 events	146	157	142	156
	1%	1%	1%	1%
grade 5 events	539	592	577	589
	4%	5%	4%	4%
grade 6 events	304	356	308	300
	2%	3%	2%	2%
grade 7 events	9087	8810	11559	10842
	80%	78%	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	262.833977	262.8455936207437	Subarray requested	NONE	NONE
[deg] Pointing Dec	-30.258997	-30.28459966798028	Alternating exposures requested	N	N
[deg] Pointing Roll	260.607948	260.8224167601228	[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)	436415240.184000	436413408.80125			
Observation start date	2011-10-31T02:26:14	2011-10-31T01:56:48			
[s] Observation end time (MET)	436417240.184000	436417373.50145			
Observation end date	2011-10-31T02:59:34	2011-10-31T03:02:53			
Read mode	TIMED	TIMED			

## 2.3 Aspect





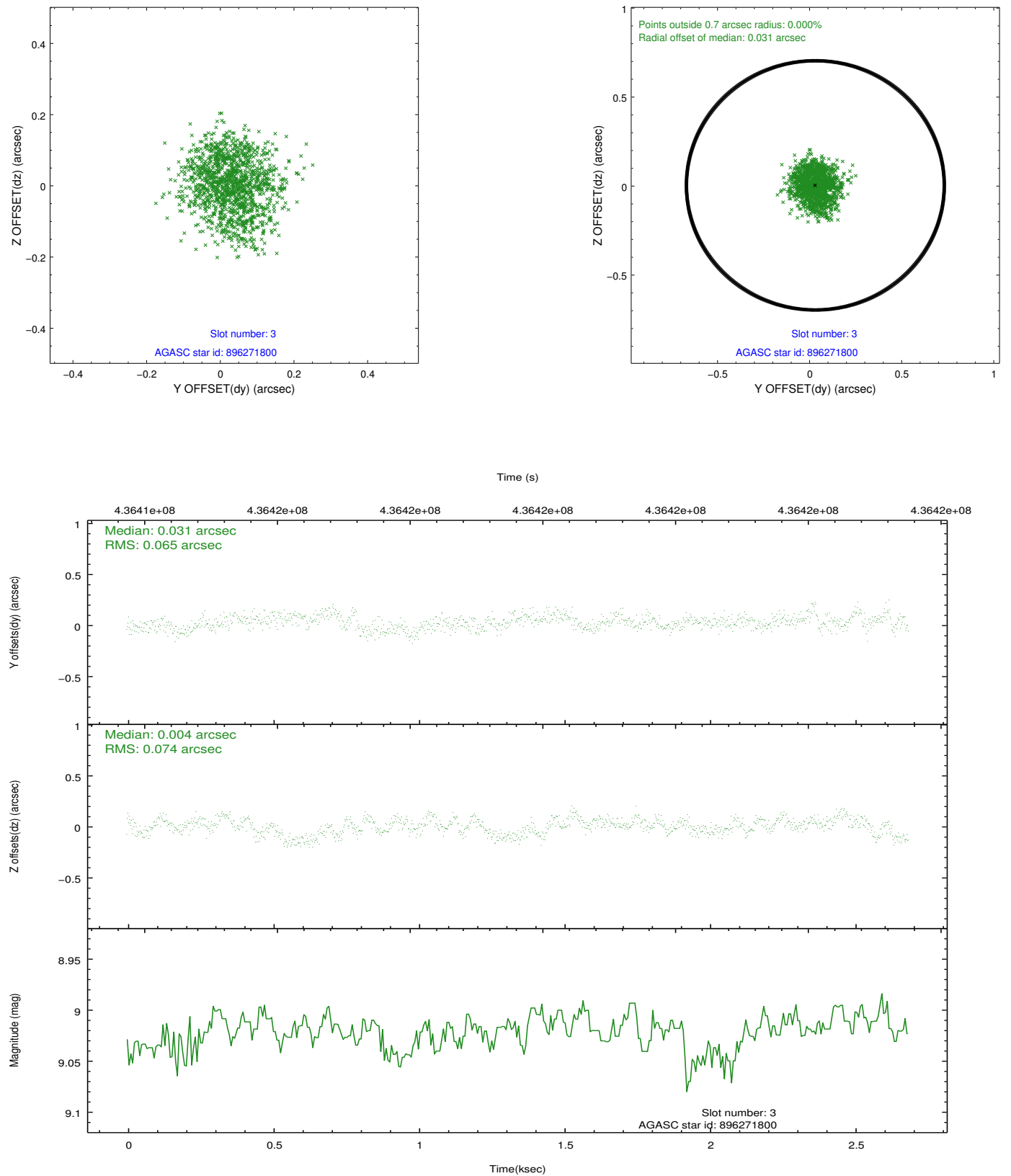
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	655	0.038	0.015	0.006	0.011	0.000000	0.000000	927.07	-837.37
1	FID	ACIS-I-5	7.05	656	-0.204	0.051	0.006	0.010	0.000000	0.000000	-1819.97	1058.93
2	FID	ACIS-I-6	7.05	655	0.075	0.005	0.007	0.012	0.000000	0.000000	390.02	1706.12
3	GUIDE	896271800	9.02	1309	0.031	0.004	0.109	0.165	262.457136	-29.780549	-1504.59	-1443.01
4	GUIDE	896275008	9.01	1303	-0.073	0.068	0.135	0.208	262.213219	-29.592649	-2044.94	-2309.51
5	GUIDE	966662752	8.26	1311	0.199	-0.097	0.083	0.134	262.898473	-30.245665	-80.86	187.80
6	GUIDE	966787912	8.19	1309	-0.103	0.010	0.080	0.129	263.385116	-30.640247	1079.88	1908.72
7	GUIDE	966787992	7.73	1308	-0.045	0.010	0.081	0.137	263.507229	-30.411177	206.66	2153.71

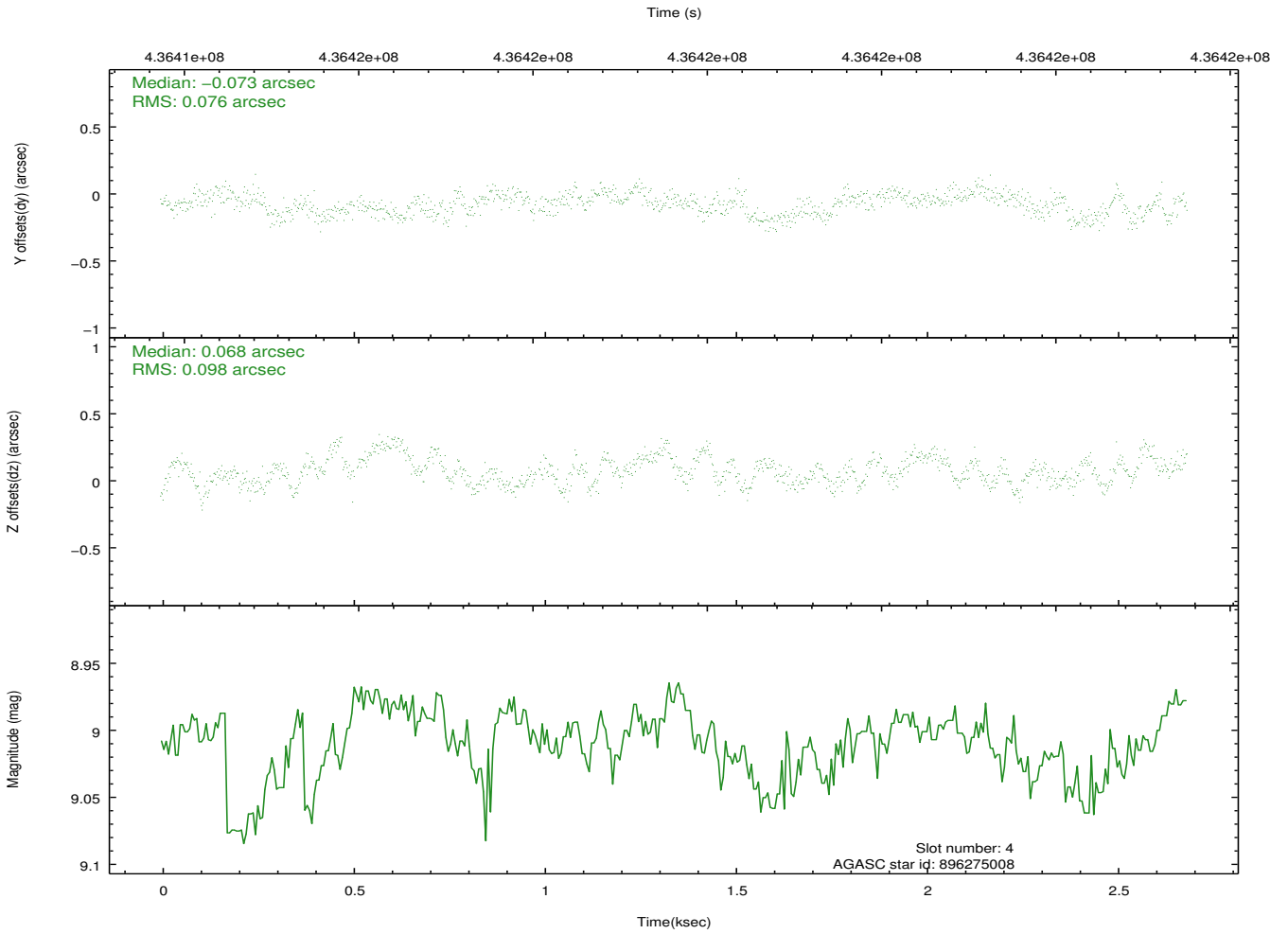
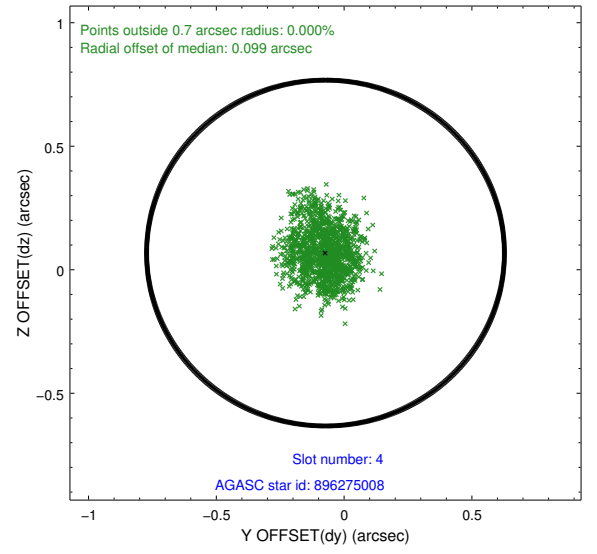
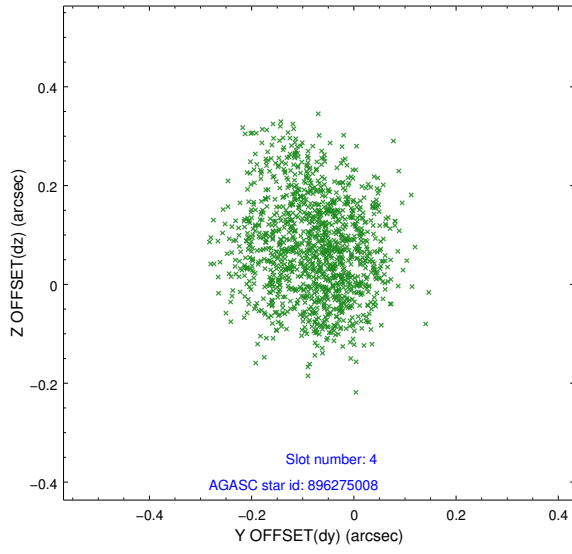


## 2.4 Star Slots

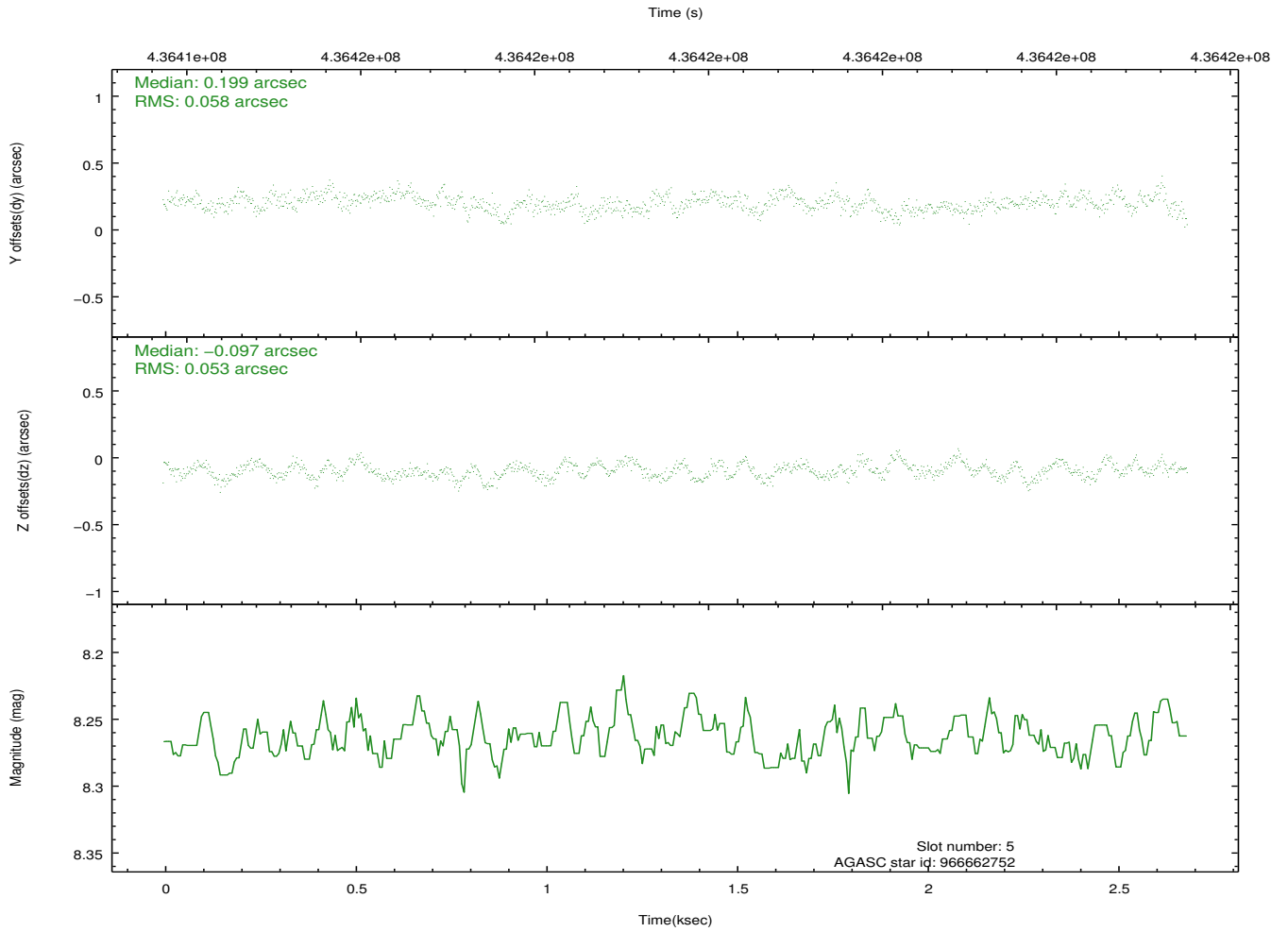
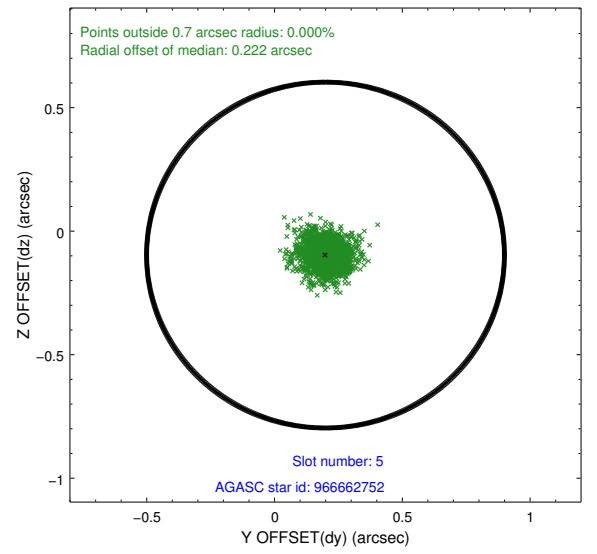
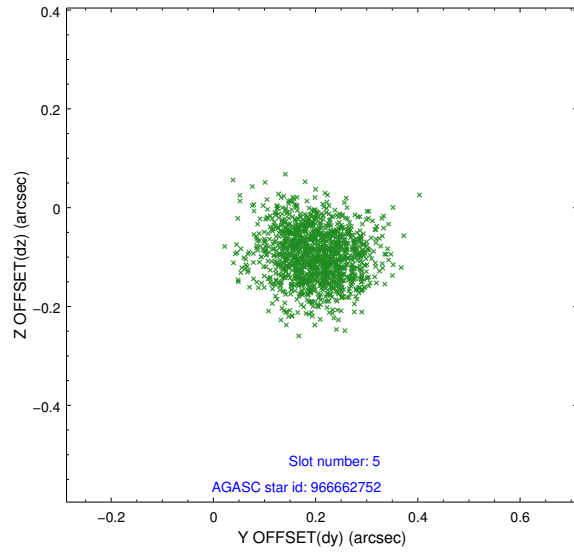
### 2.4.1 Slot 3



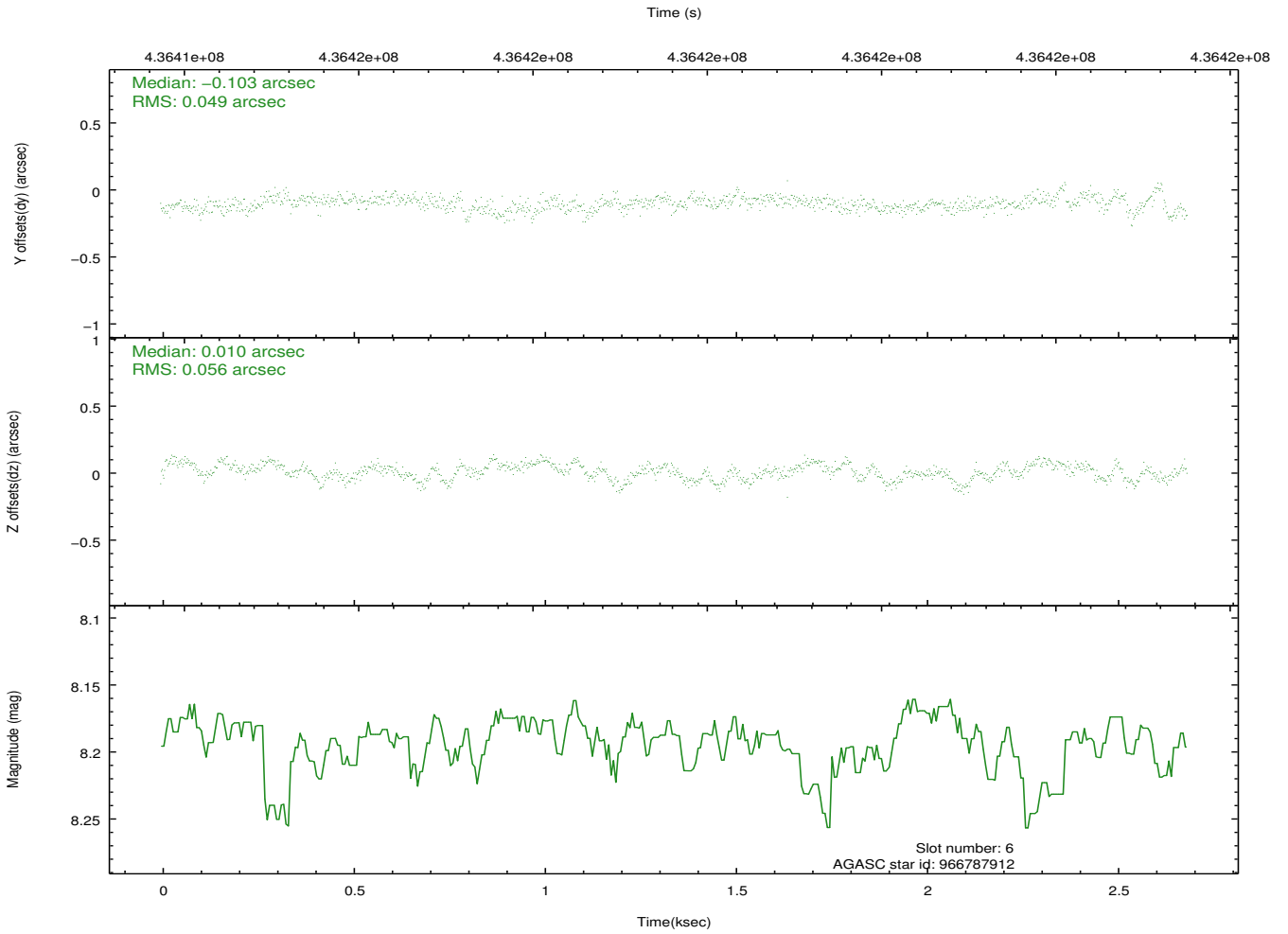
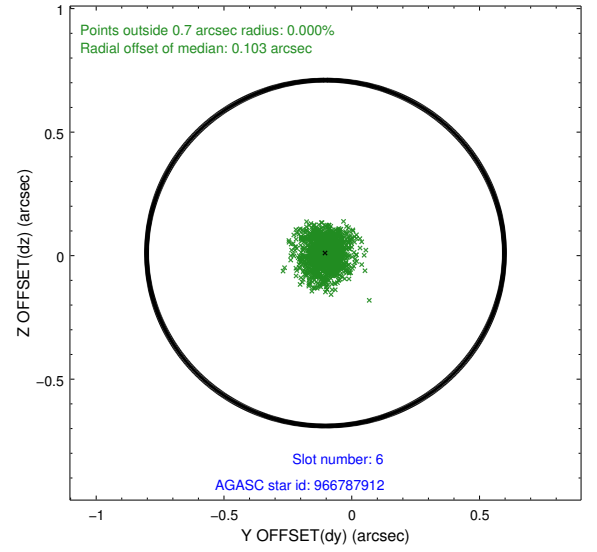
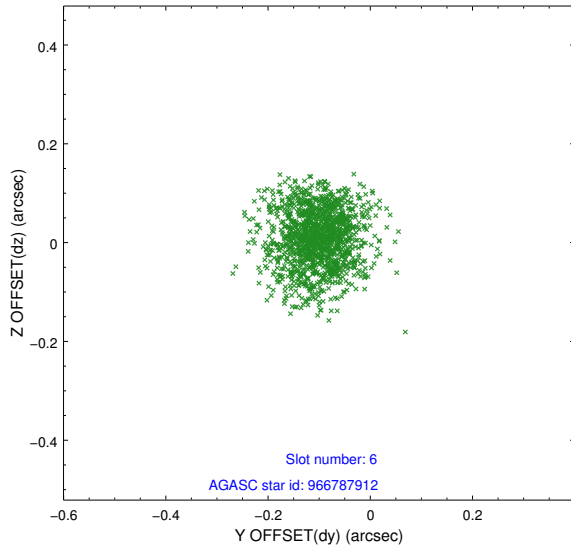
## 2.4.2 Slot 4



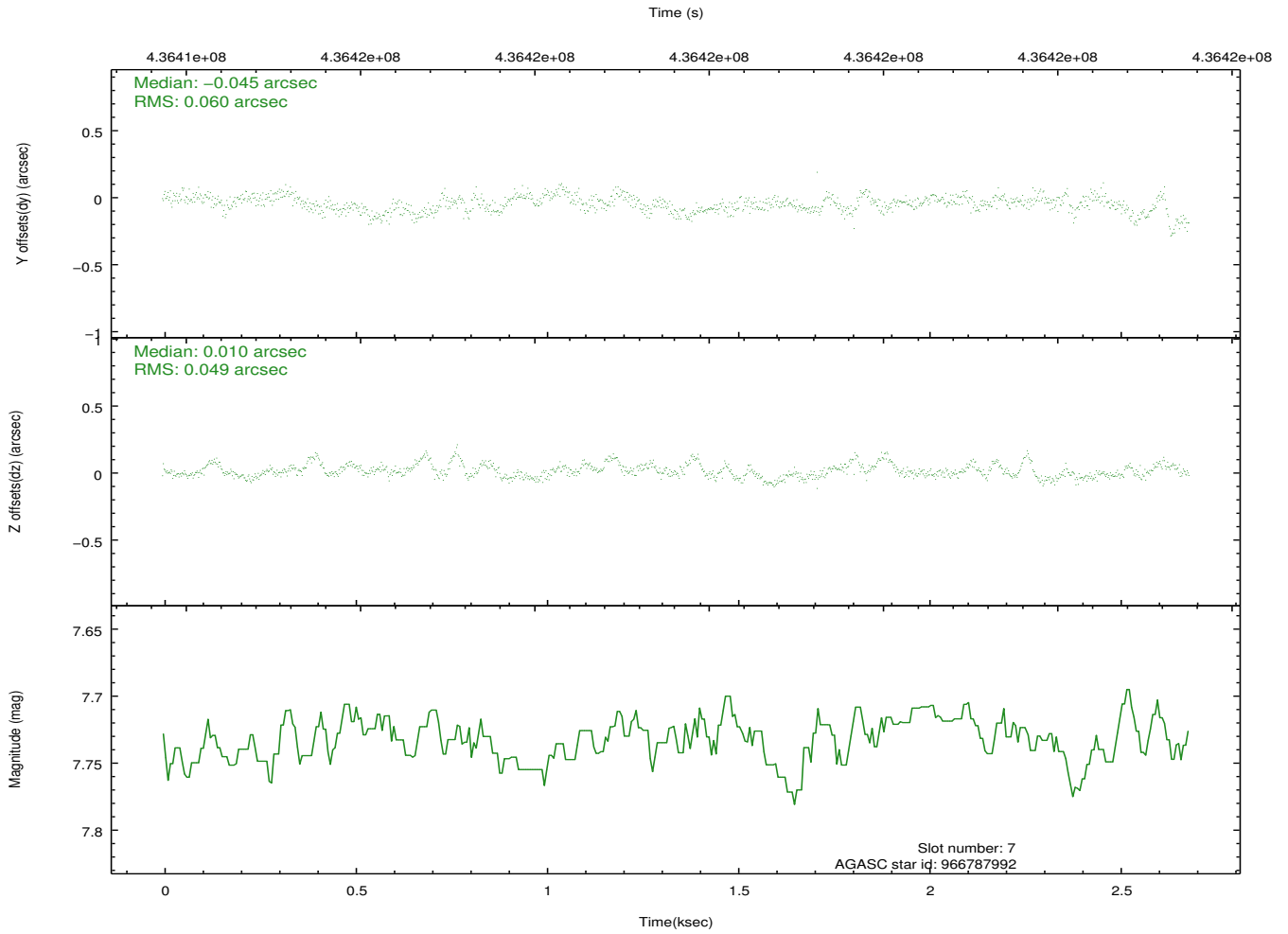
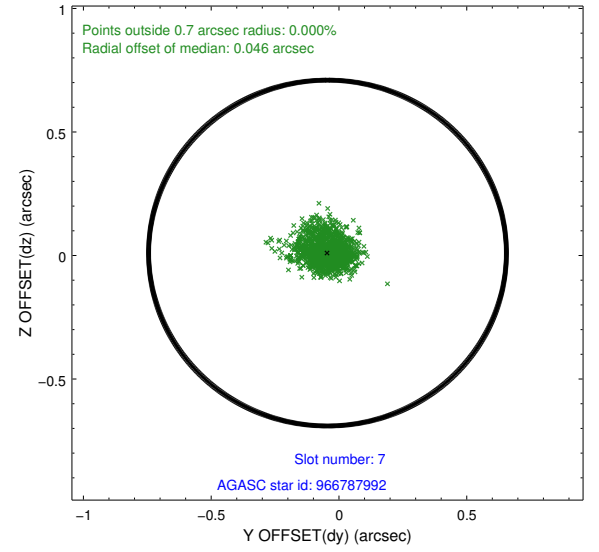
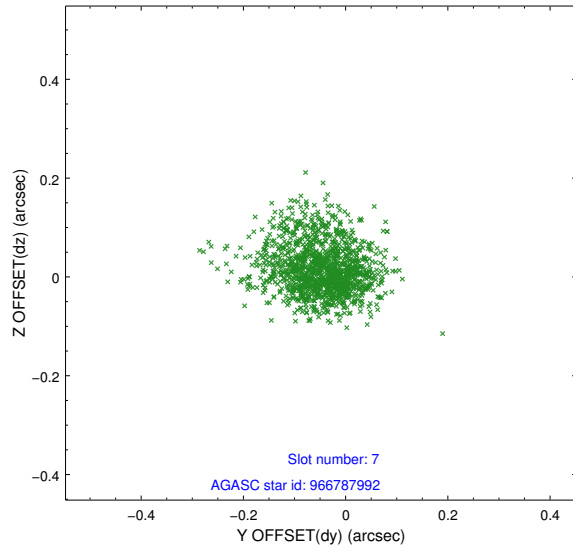
### 2.4.3 Slot 5



## 2.4.4 Slot 6

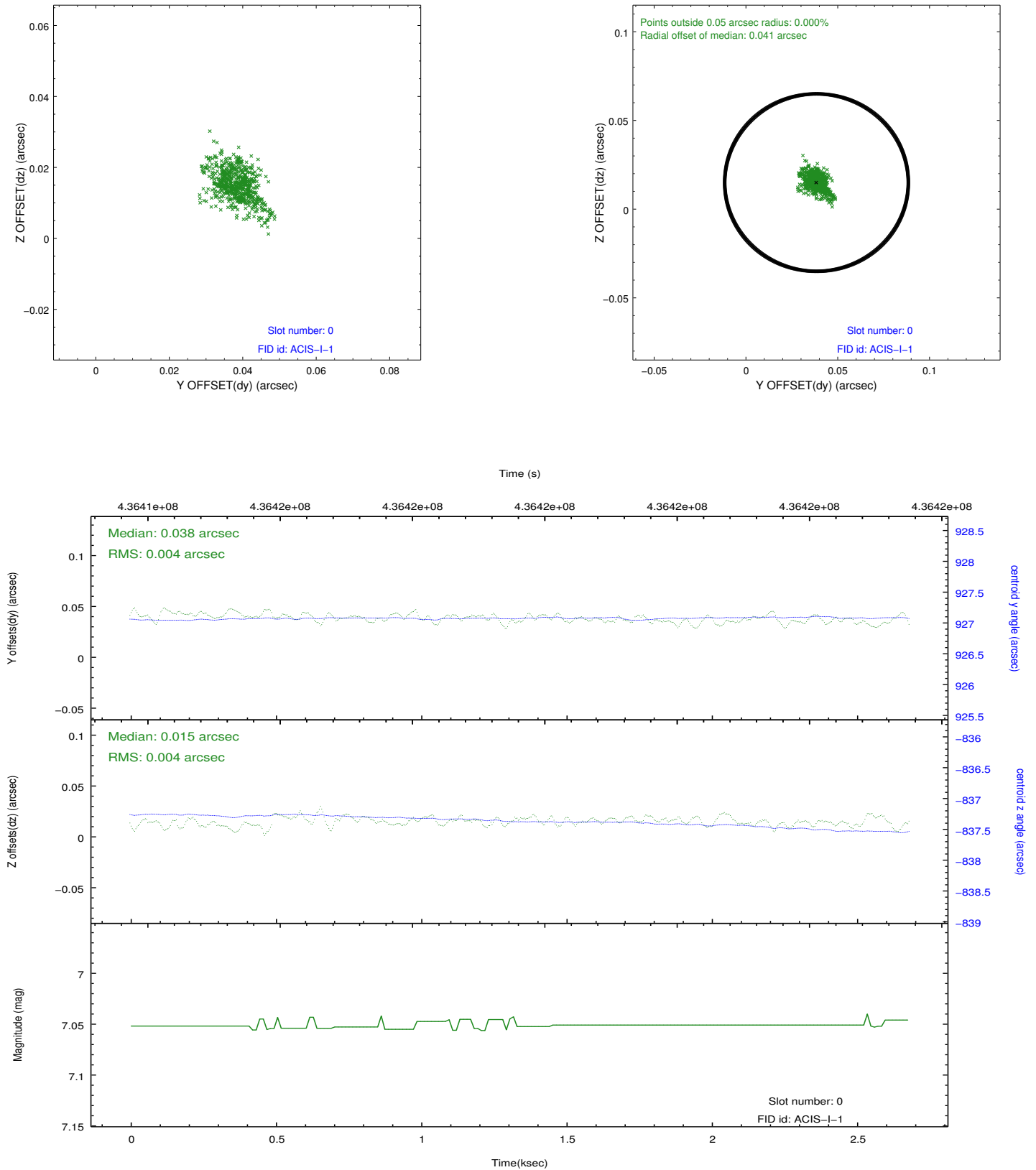


## 2.4.5 Slot 7

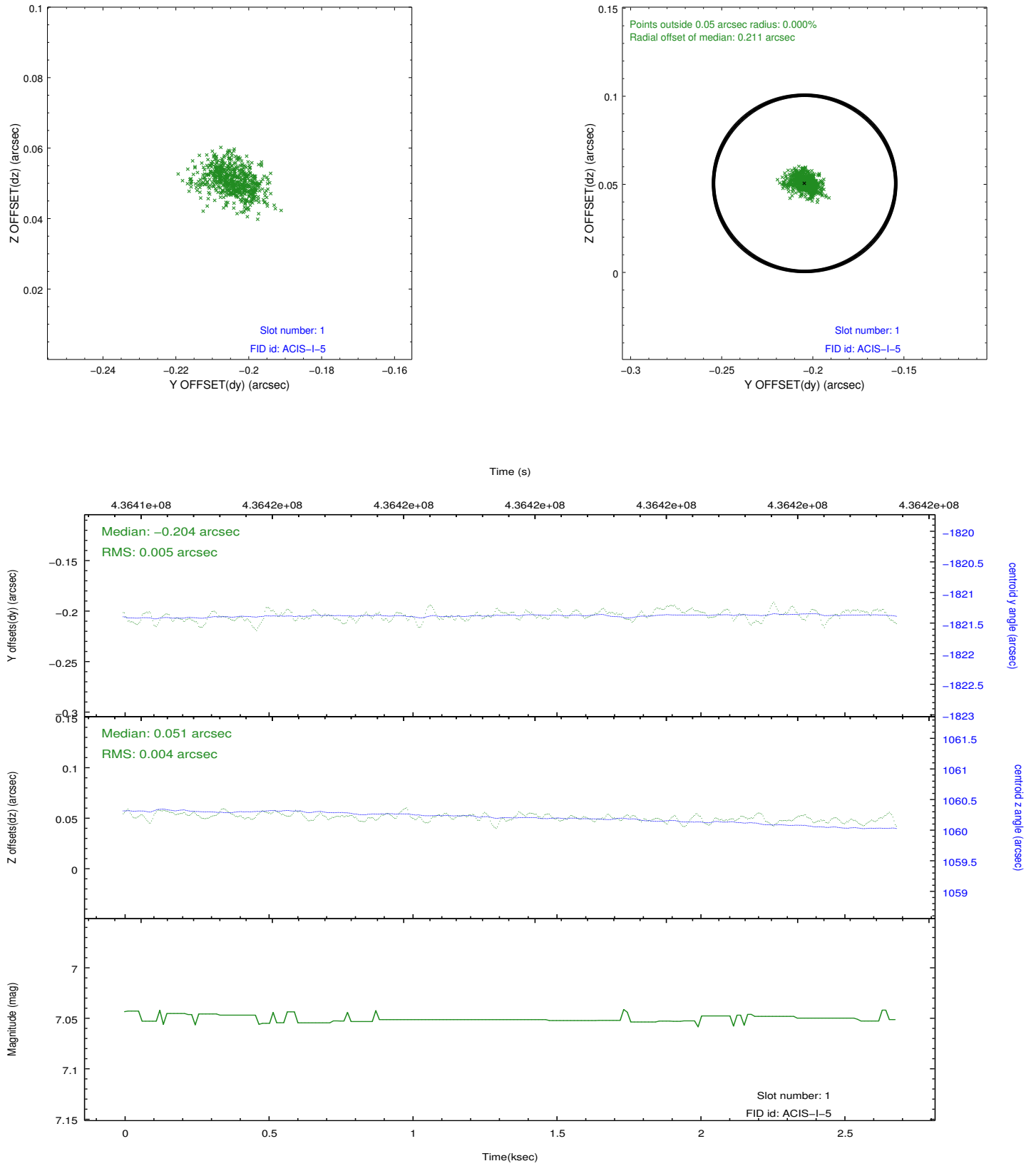


## 2.5 FID Slots

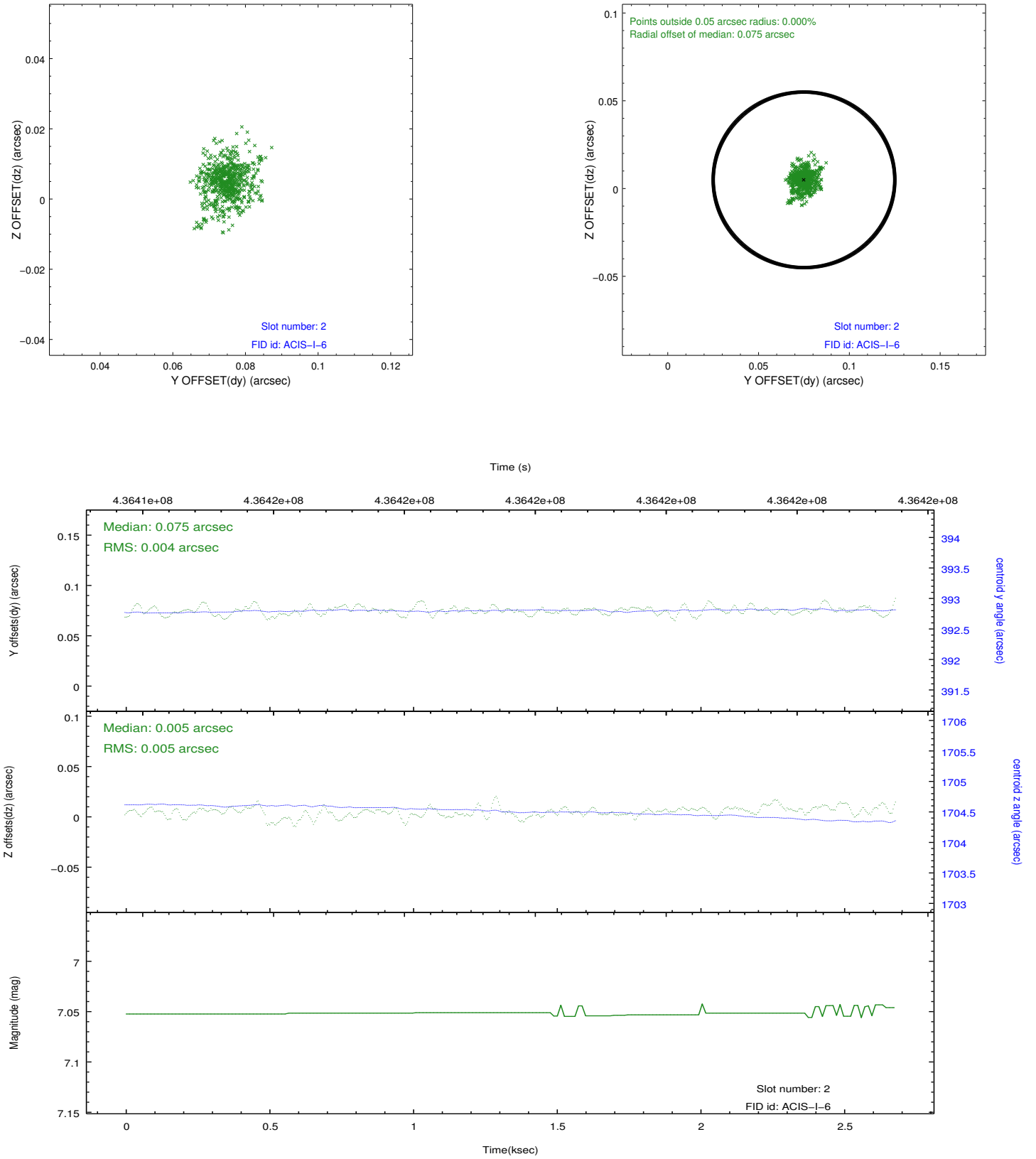
### 2.5.1 Slot 0



## 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	2.0677000159025

## A.2 Comments

Joint Proposal: NOAO