

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 13533 - L2 Version 2  
Chandra X-Ray Center

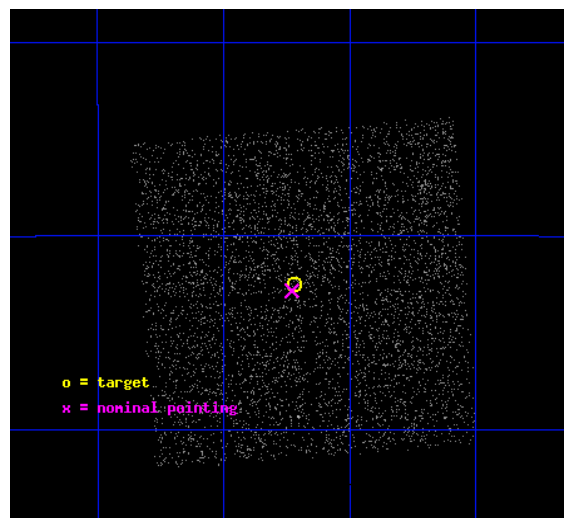
L2 Processing Date : Mar 2 2012

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# 1 Front

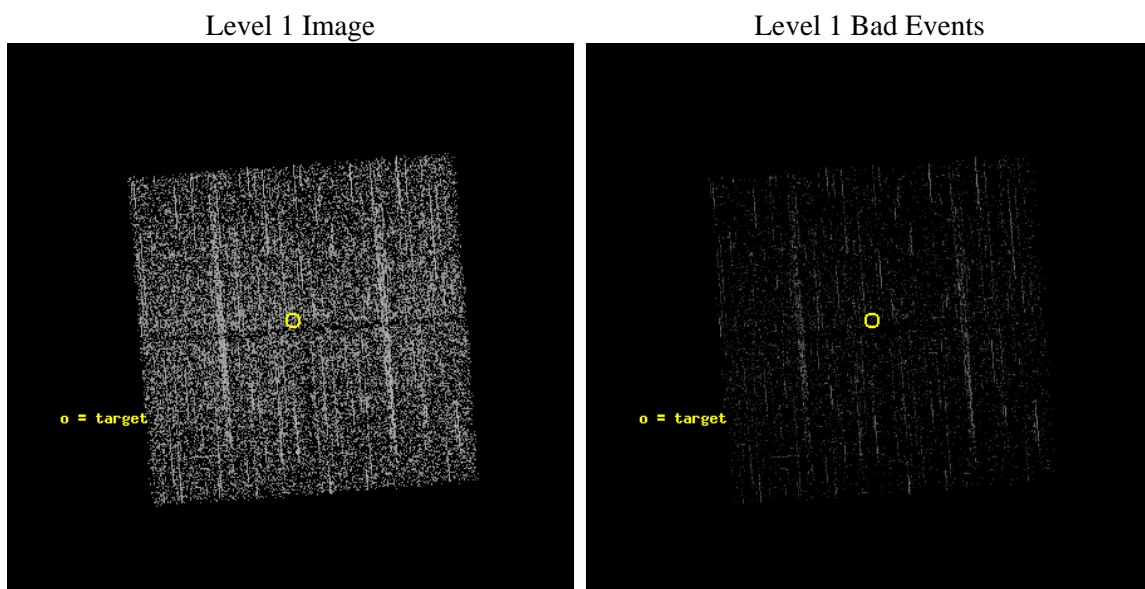
seq_num	401309	Sequence number
obs_id	13533	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-1	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.930303	Observer's specified target RA [deg]
dec_targ	-28.541853	Observer's specified target Dec [deg]
ra_nom	268.93242485569	Nominal RA [deg]
dec_nom	-28.547246251513	Nominal Dec [deg]
roll_nom	265.71806080815	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1973.5320466161	Sum of GTIs [s]
livetime	1947.7463975339	Livetime [s]
ontime0	1973.4089266062	Sum of GTIs [s]
ontime1	1973.4499666095	Sum of GTIs [s]
ontime2	1973.4910066128	Sum of GTIs [s]
ontime3	1973.5320466161	Sum of GTIs [s]
l2events	6025	Number of level 2 events



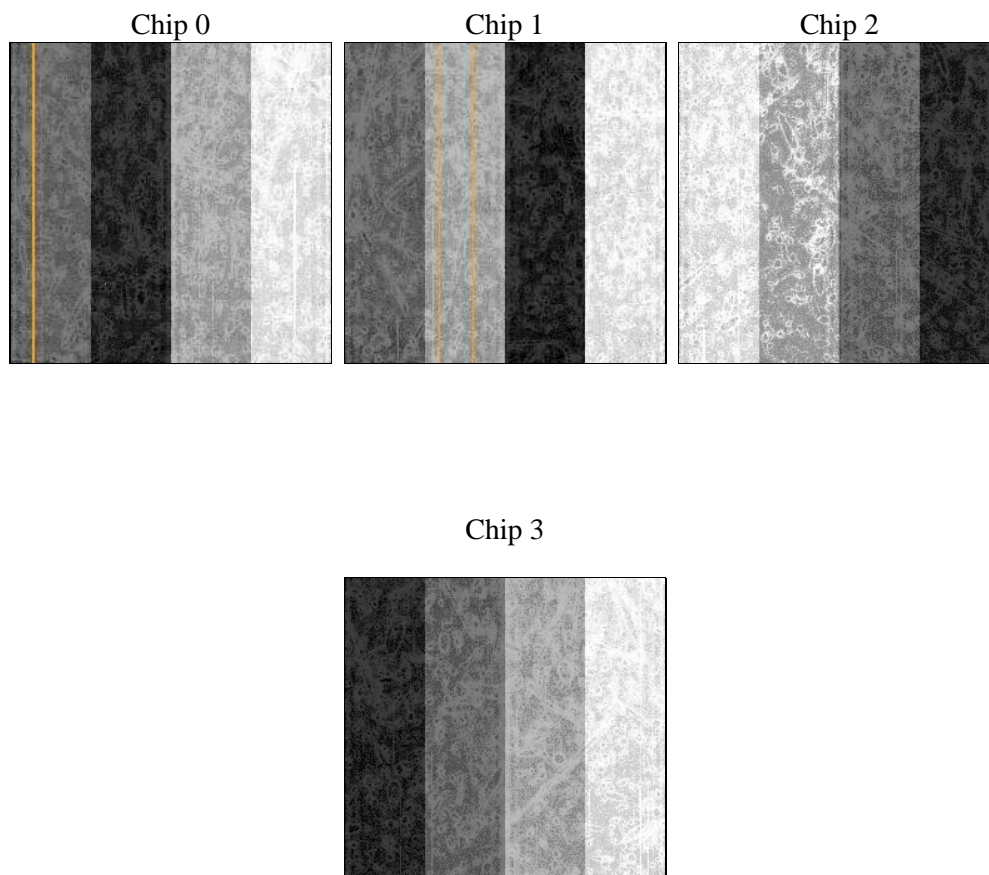
## 2 OBI

### 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	1973.5320466161	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	1973.4089266062	Sum of GTIs [s]
date	2012-03-02T11:55:21	Date and time of file creation	ontime1	1973.4499666095	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1973.4910066128	Sum of GTIs [s]
			ontime3	1973.5320466161	Sum of GTIs [s]
			l1events	47308	Number of level 1 events

### 2.1.4 Events

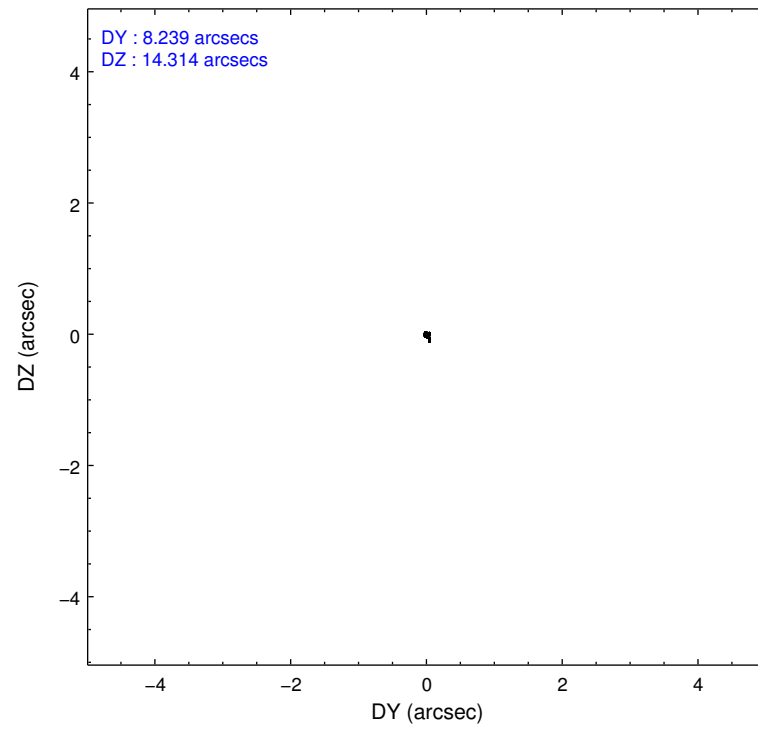
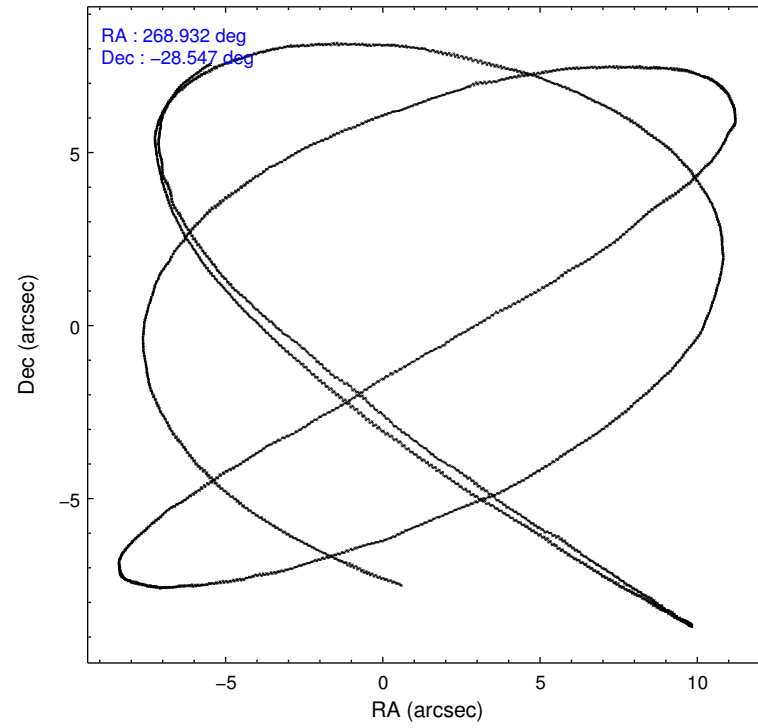
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	11291	11969	11699	12349
rejected events	9582	10074	10059	10629
rejected %	84%	84%	85%	86%

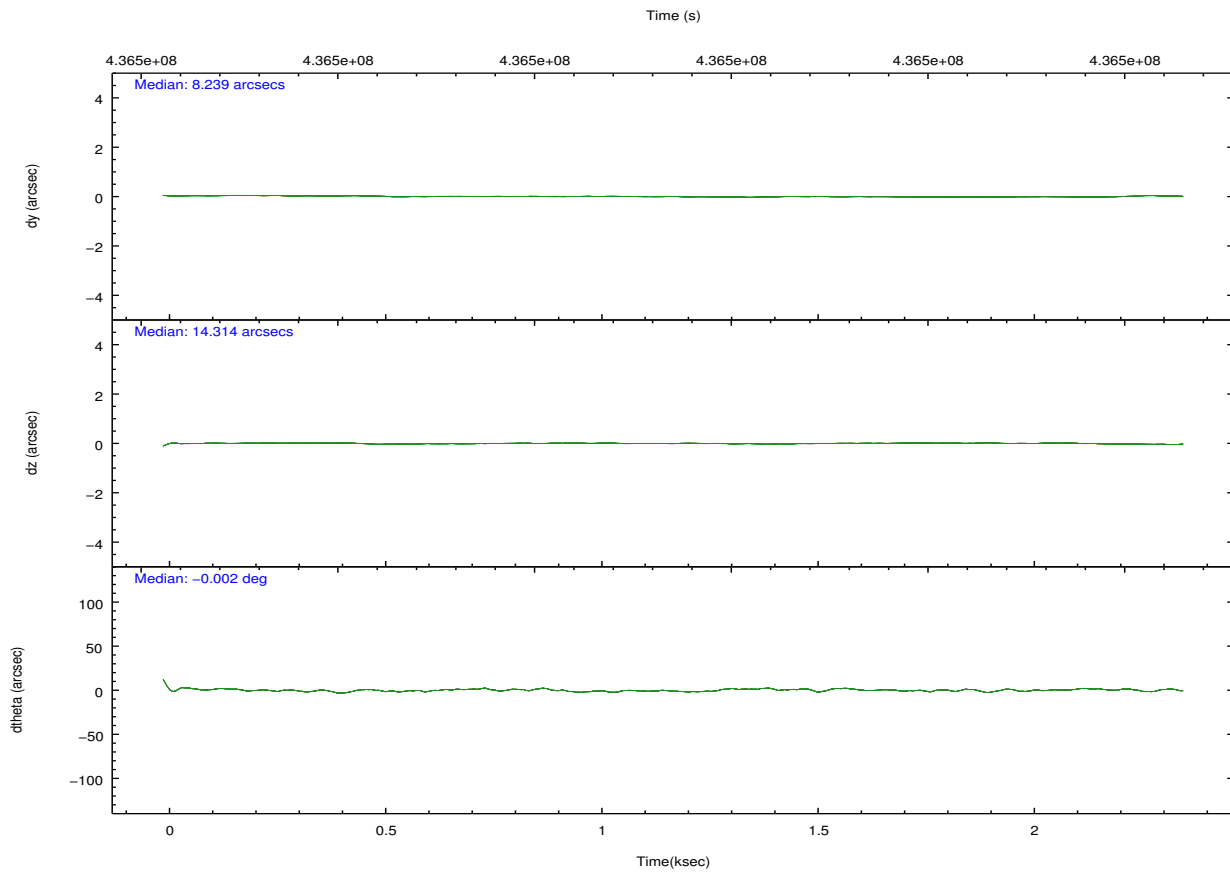
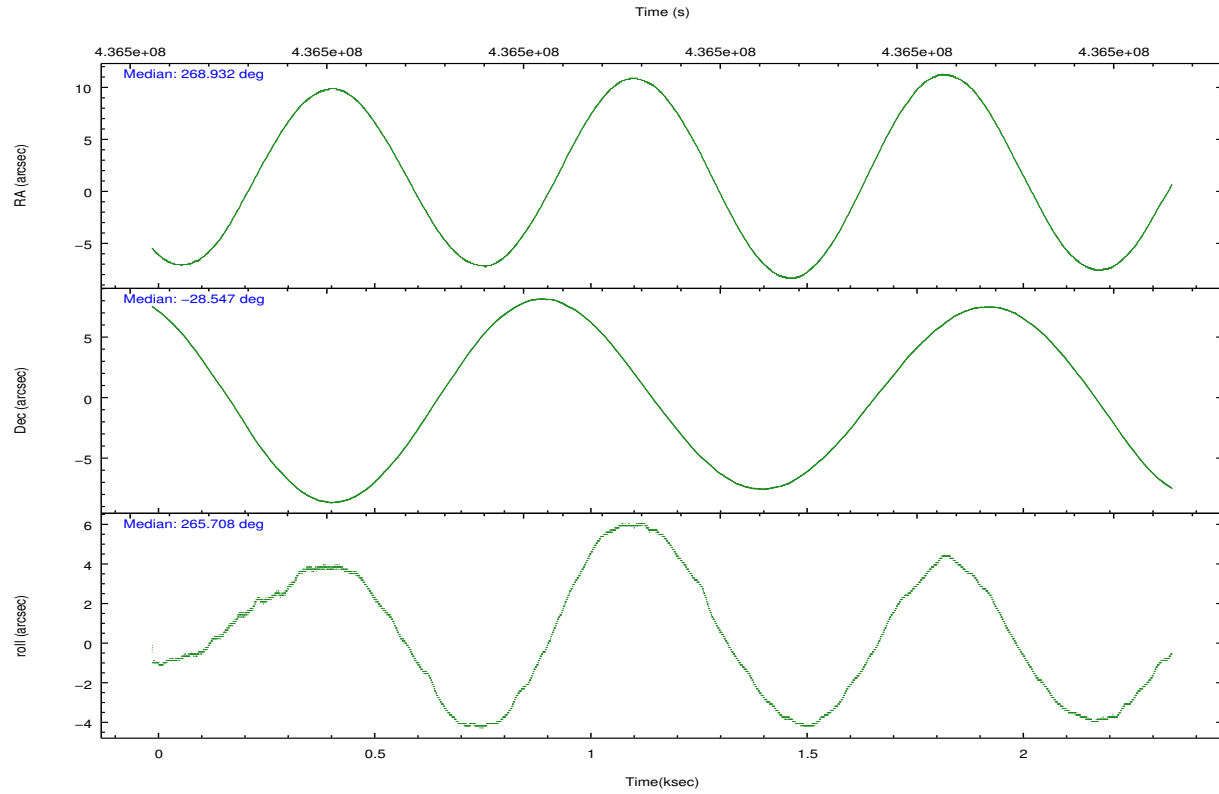
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	754	855	744	778
	6%	7%	6%	6%
grade 1 events	8	10	10	14
	0%	0%	0%	0%
grade 2 events	371	394	351	356
	3%	3%	3%	2%
grade 3 events	133	178	164	150
	1%	1%	1%	1%
grade 4 events	141	169	131	132
	1%	1%	1%	1%
grade 5 events	523	564	489	634
	4%	4%	4%	5%
grade 6 events	313	306	256	309
	2%	2%	2%	2%
grade 7 events	9048	9493	9554	9976
	80%	79%	81%	80%

## 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	268.918897	268.9324248556925	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.522512	-28.54724625151297	Alternating exposures requested	N	N
[deg] Pointing Roll	265.502929	265.7180608081528	[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)	436497349.184000	436496972.95564			
Observation start date	2011-11-01T01:14:43	2011-11-01T01:09:32			
[s] Observation end time (MET)	436499529.184000	436499662.55578			
Observation end date	2011-11-01T01:51:03	2011-11-01T01:54:22			
Read mode	TIMED	TIMED			

## 2.3 Aspect





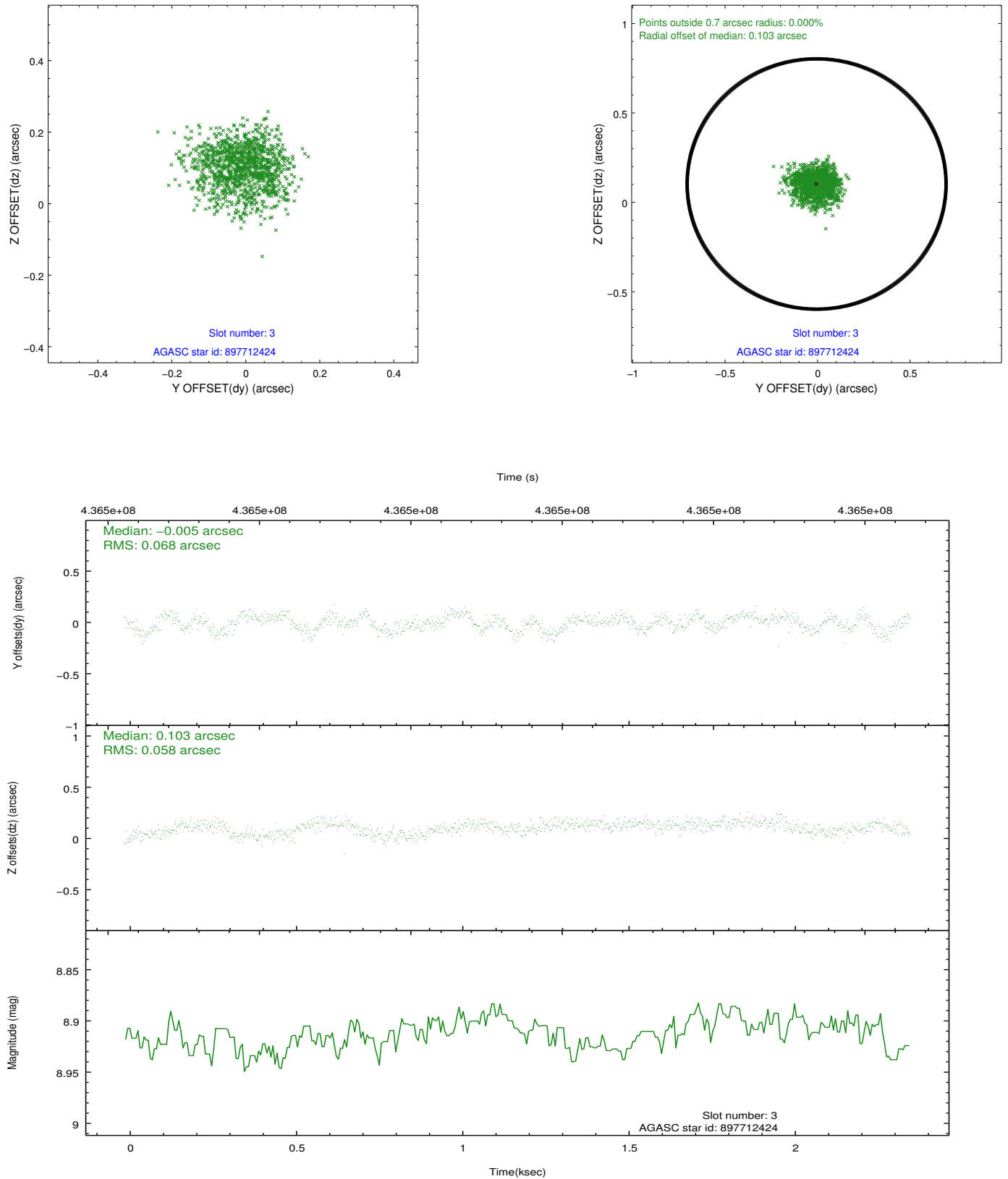
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	576	-0.022	0.054	0.009	0.017	0.000000	0.000000	931.37	-837.85
1	FID	ACIS-I-2	6.93	576	-0.210	-0.102	0.006	0.011	0.000000	0.000000	-761.37	-845.81
2	FID	ACIS-I-4	6.94	576	0.133	0.115	0.006	0.011	0.000000	0.000000	2150.18	1060.62
3	GUIDE	897712424	8.91	1152	-0.005	0.103	0.096	0.149	269.567786	-28.090711	-1705.91	1933.70
4	GUIDE	897721048	7.90	1152	-0.207	-0.065	0.087	0.133	268.989561	-28.030814	-1783.66	87.18
5	GUIDE	898238128	7.71	1152	0.120	-0.132	0.070	0.121	268.450740	-28.688500	713.59	-1425.98
6	GUIDE	898247688	8.66	1152	0.198	-0.111	0.085	0.142	268.426687	-29.012154	1883.30	-1406.64
7	GUIDE	898236888	8.70	1148	-0.112	0.215	0.088	0.138	269.539947	-28.141730	-1514.70	1857.91

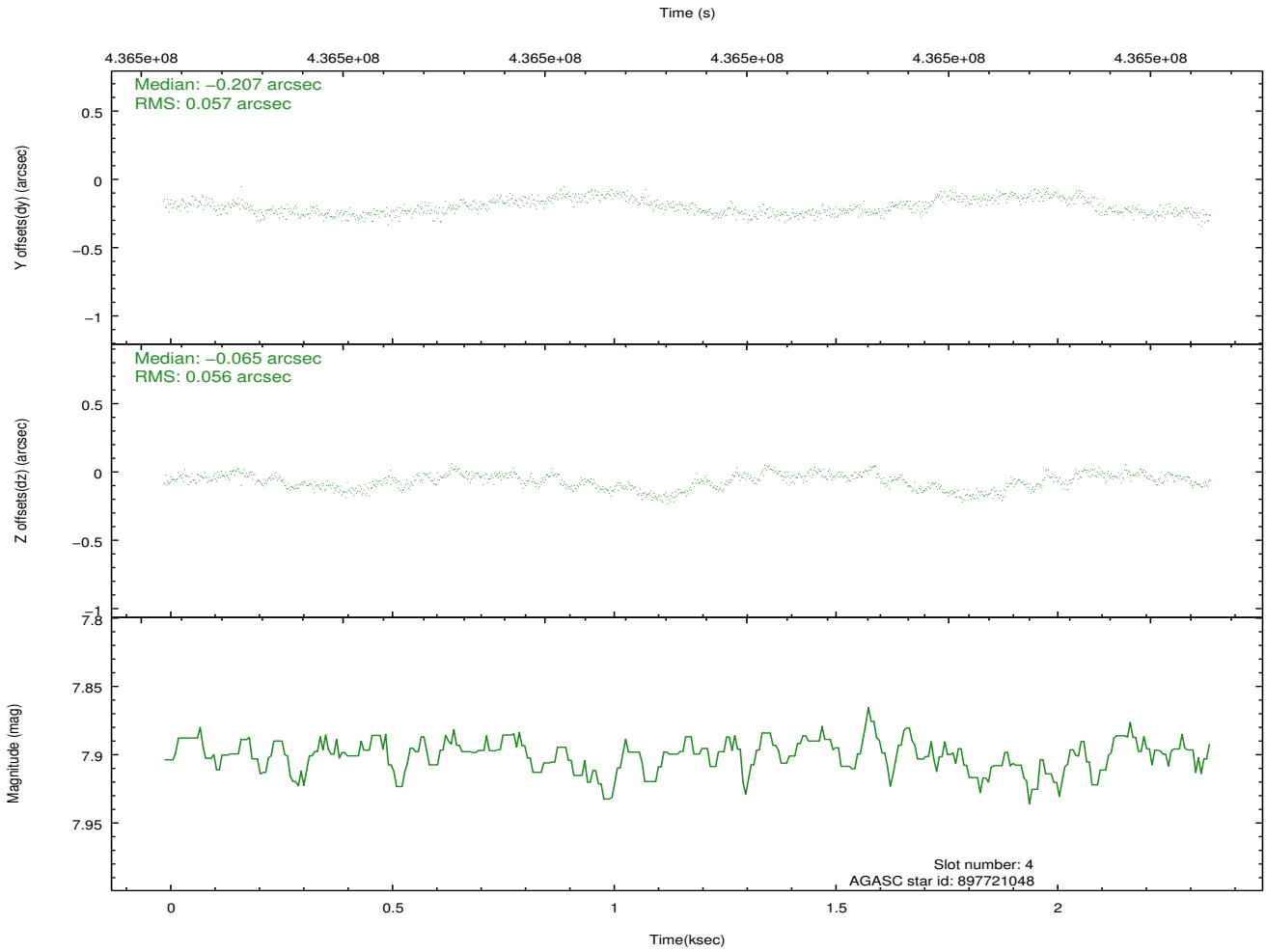
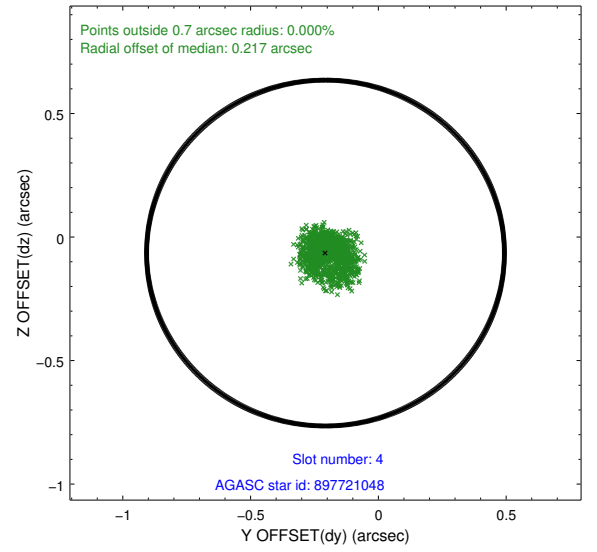
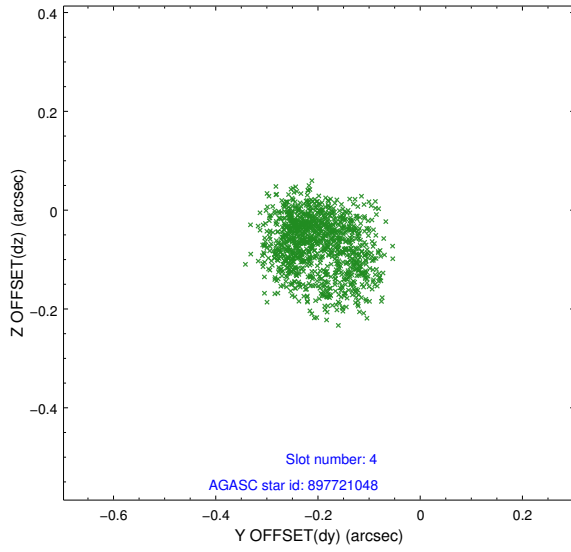


## 2.4 Star Slots

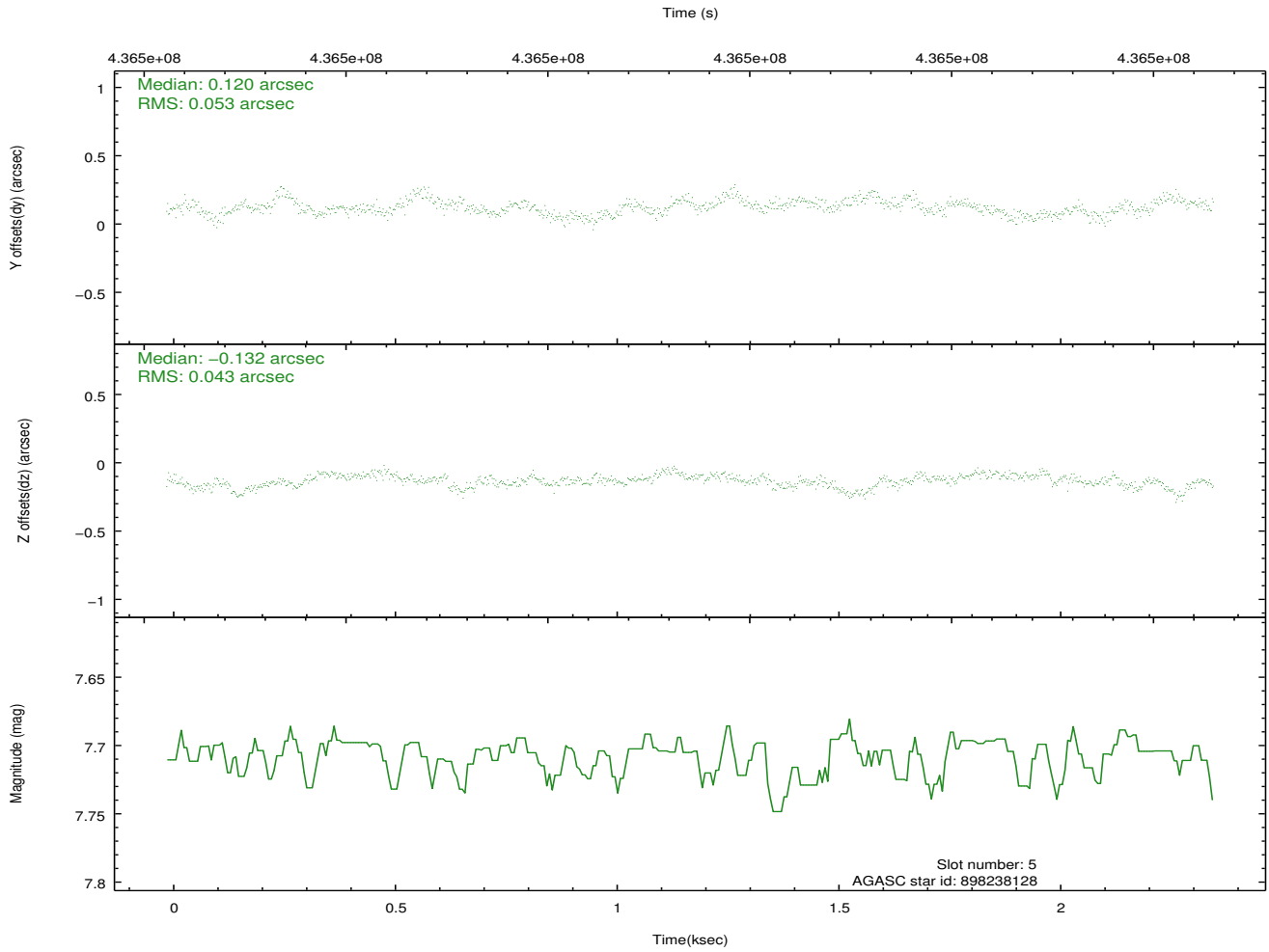
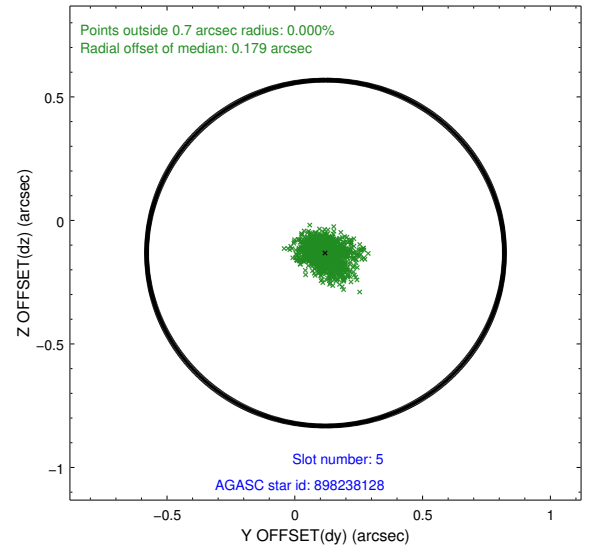
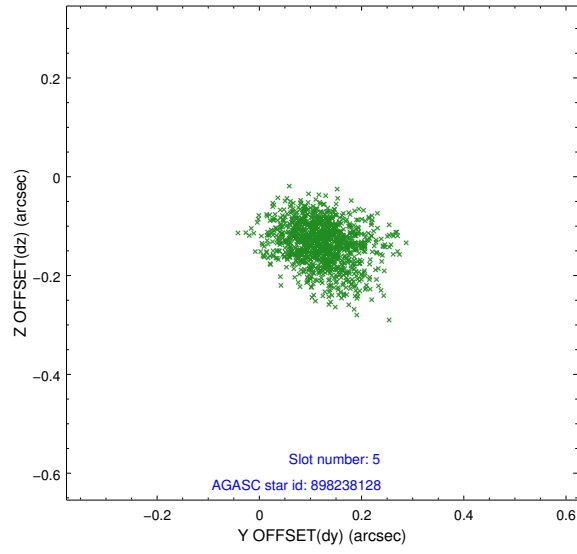
### 2.4.1 Slot 3



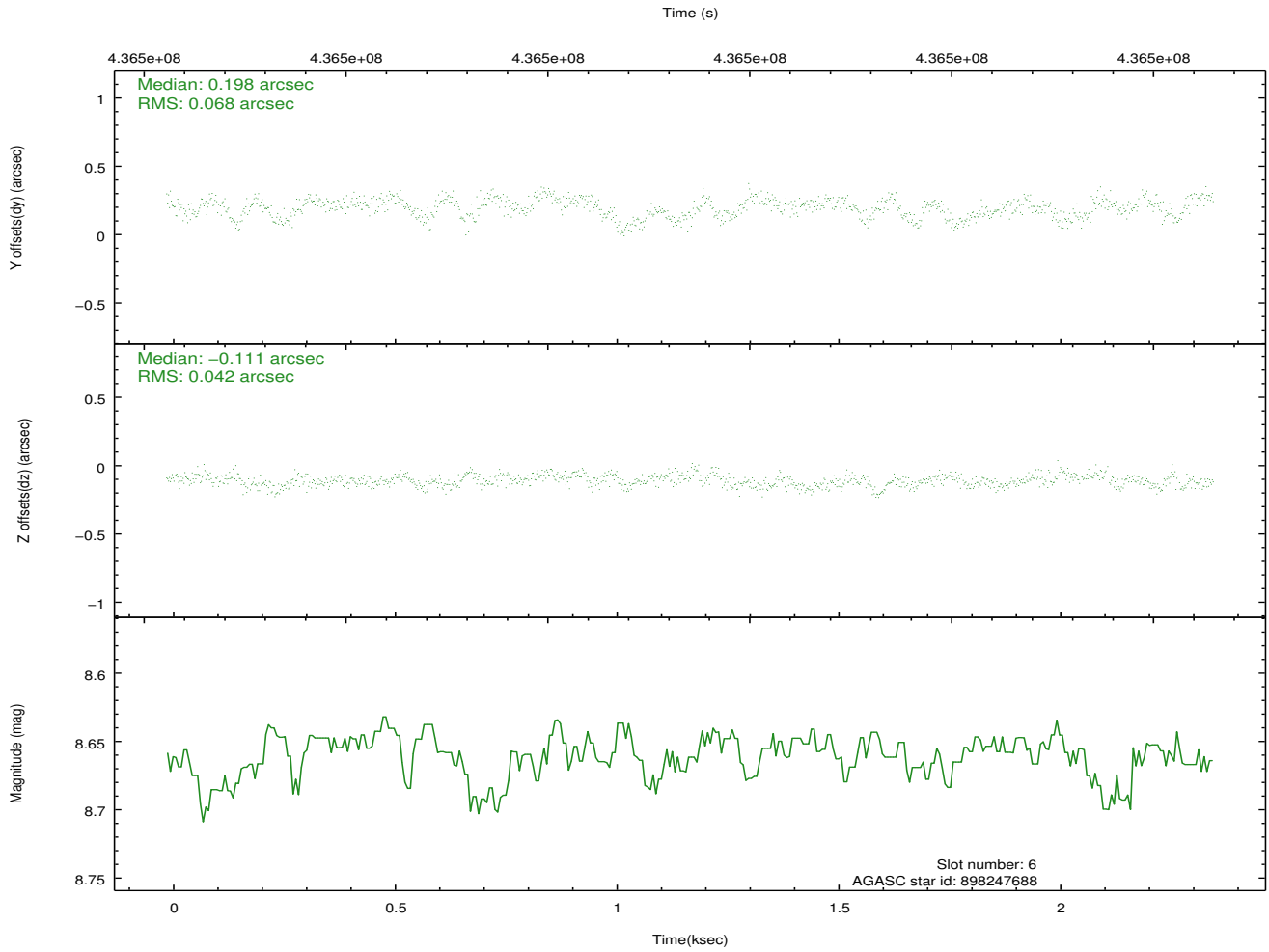
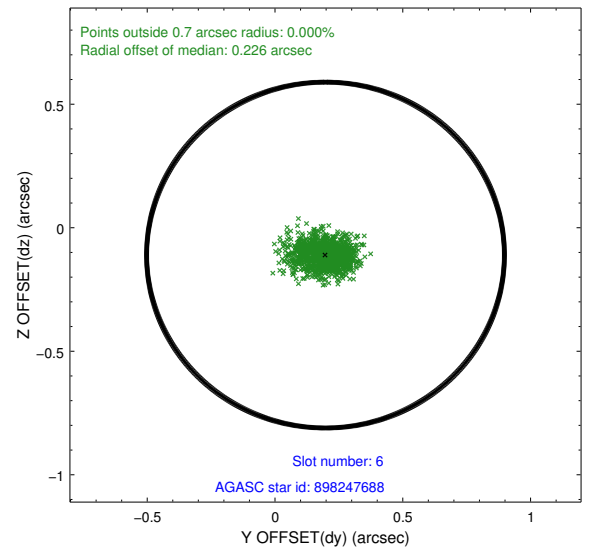
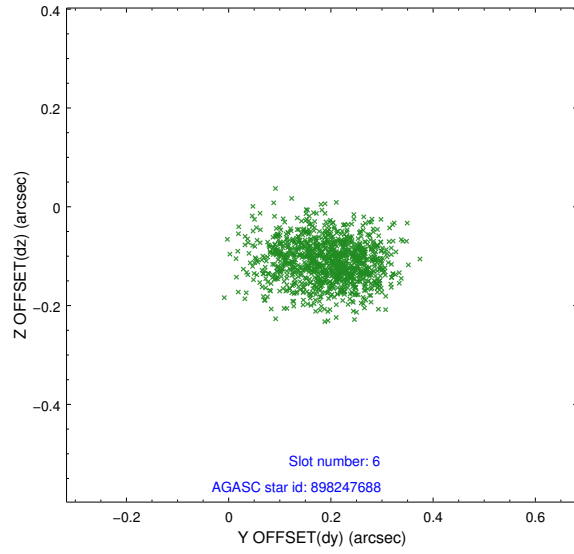
## 2.4.2 Slot 4



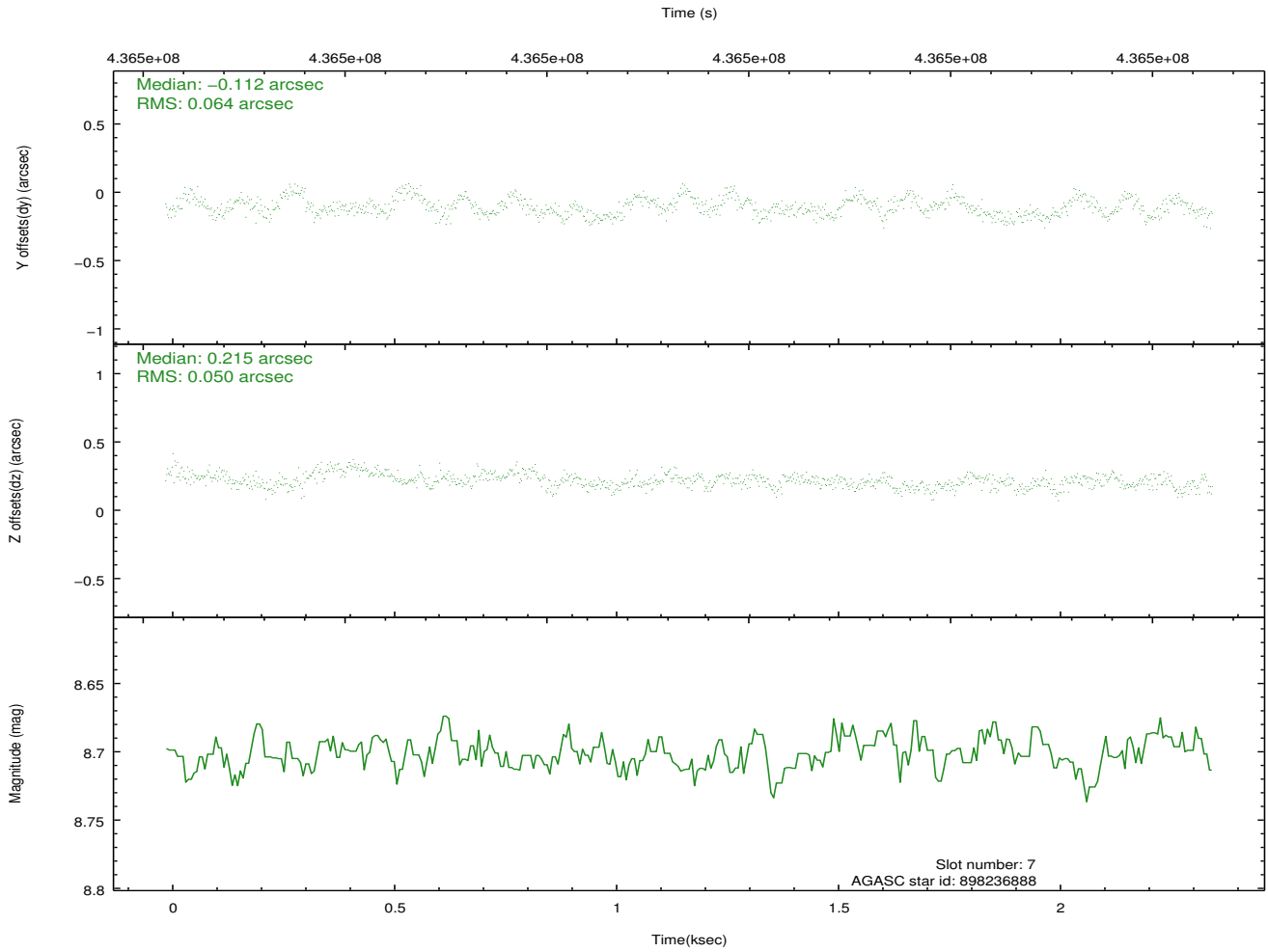
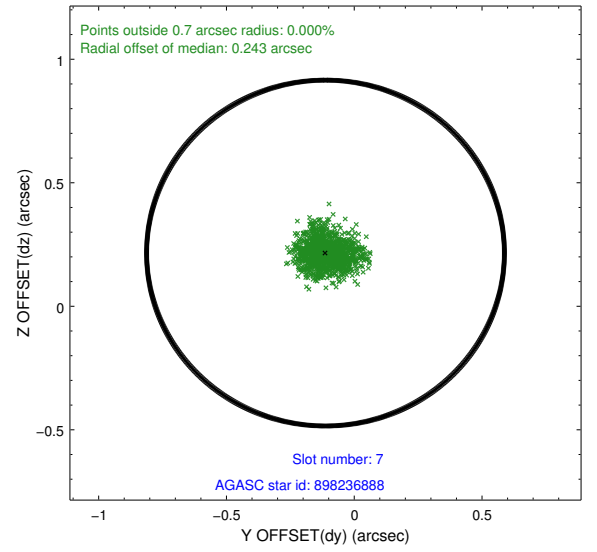
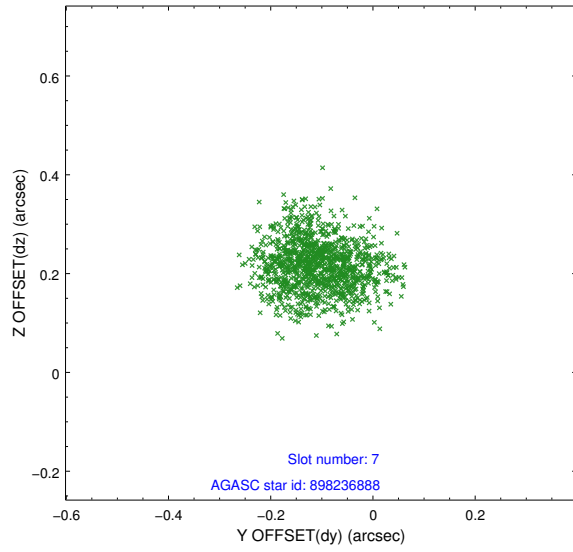
### 2.4.3 Slot 5



## 2.4.4 Slot 6

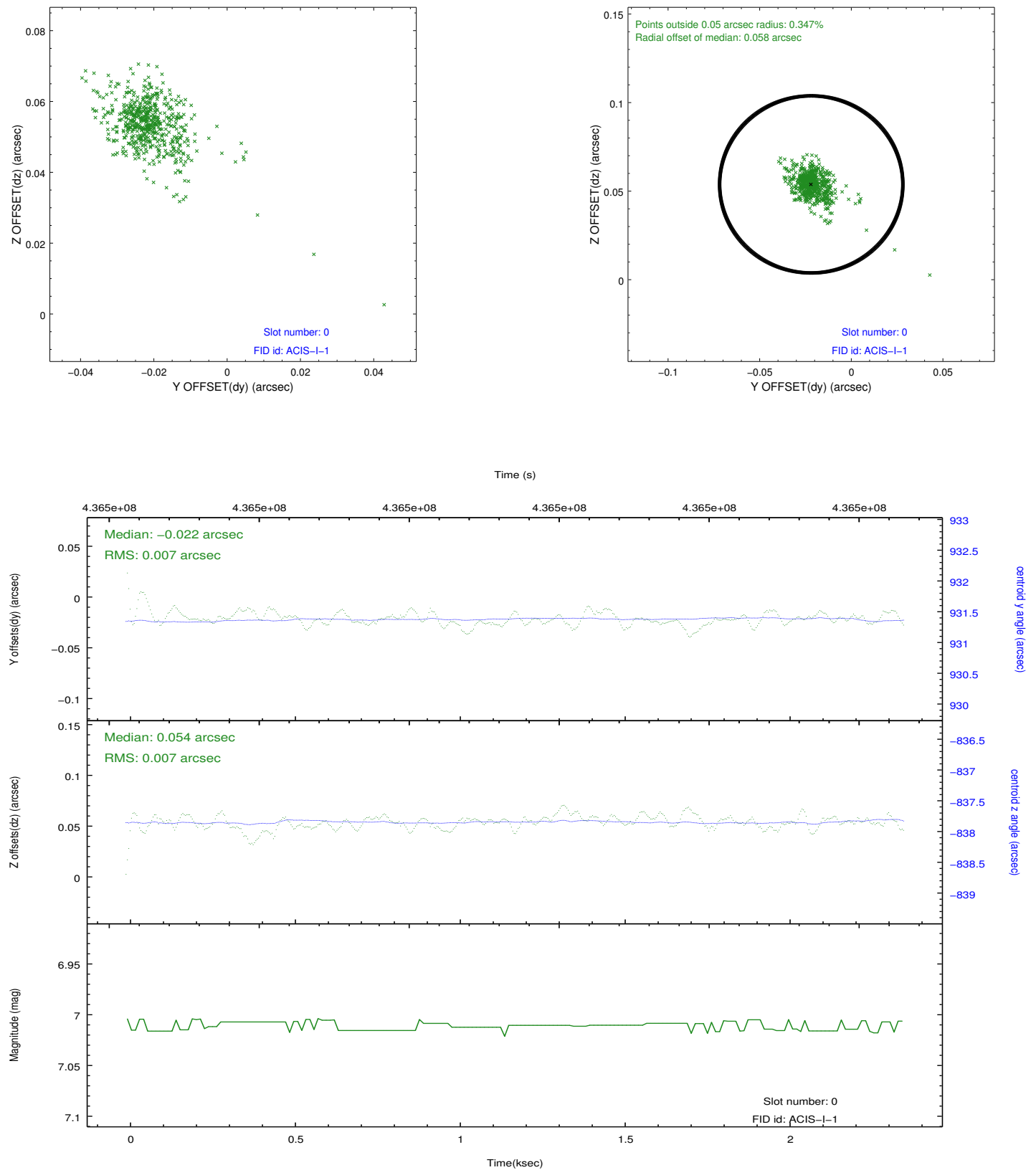


## 2.4.5 Slot 7

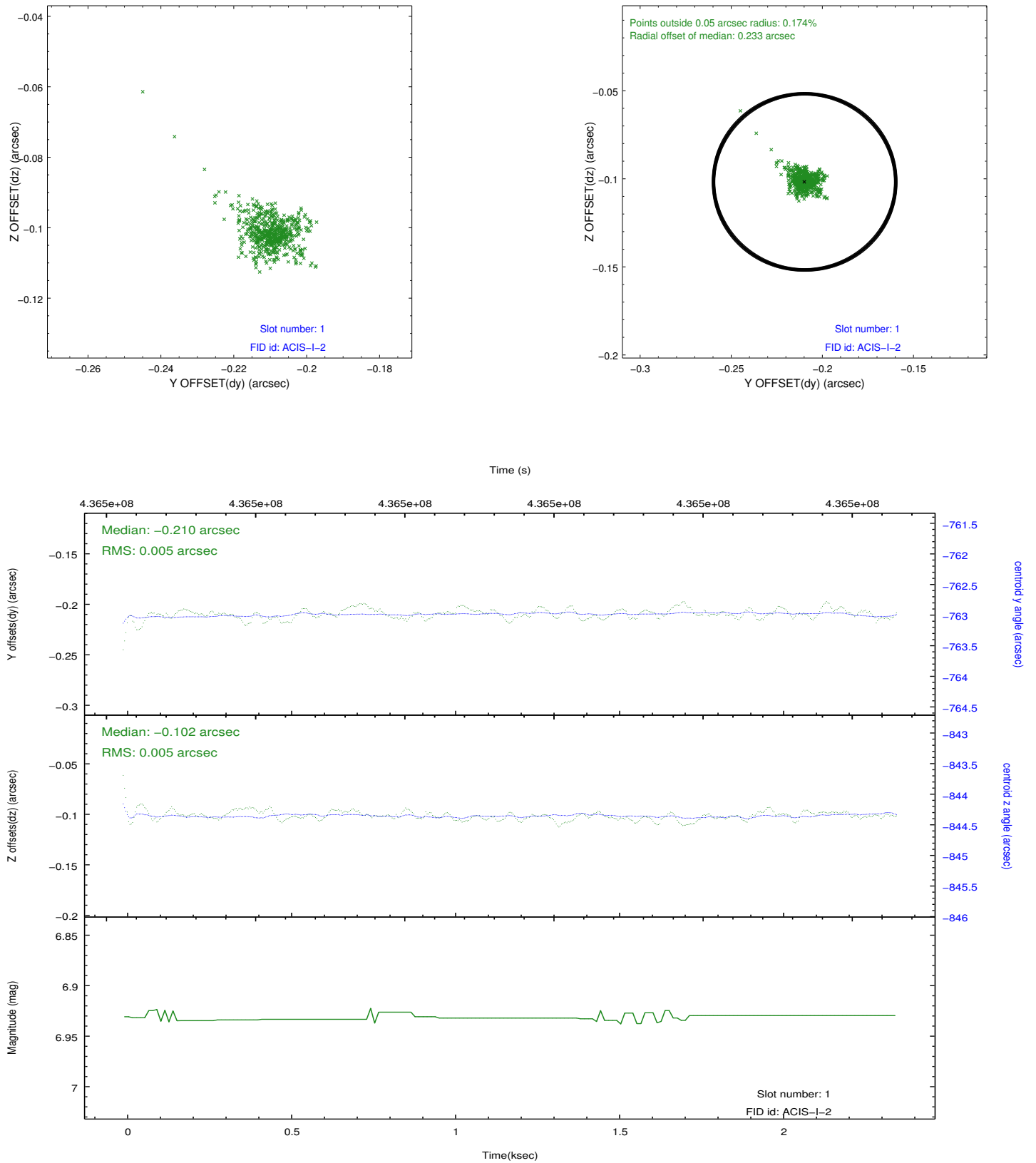


## 2.5 FID Slots

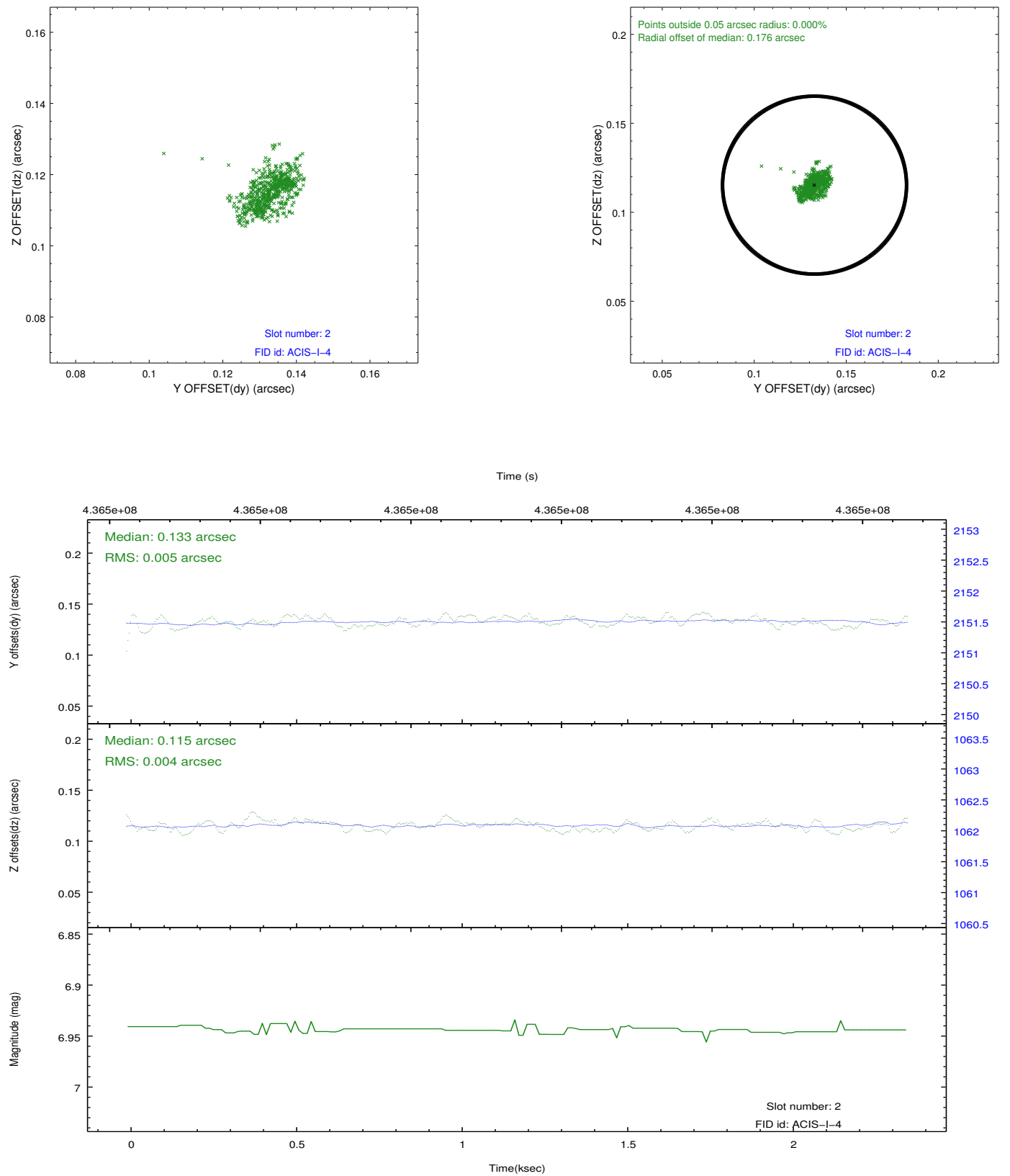
### 2.5.1 Slot 0



## 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	1.9735320523381

## A.2 Comments

Joint Proposal: NOAO