

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 10505 - L2 Version 2  
Chandra X-Ray Center

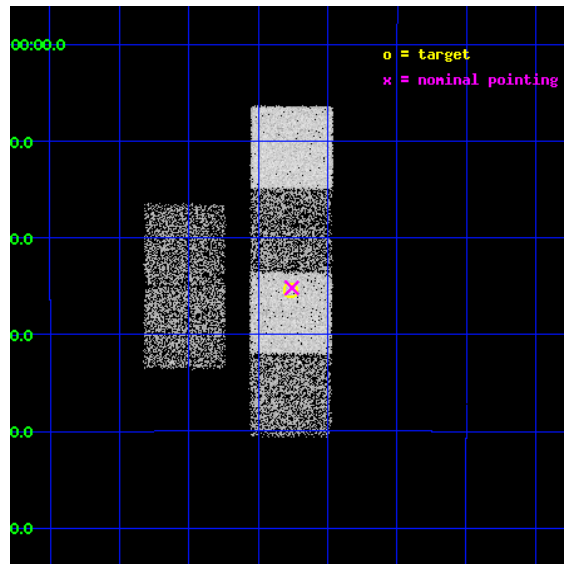
L2 Processing Date : Jun 2 2012

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# 1 Front

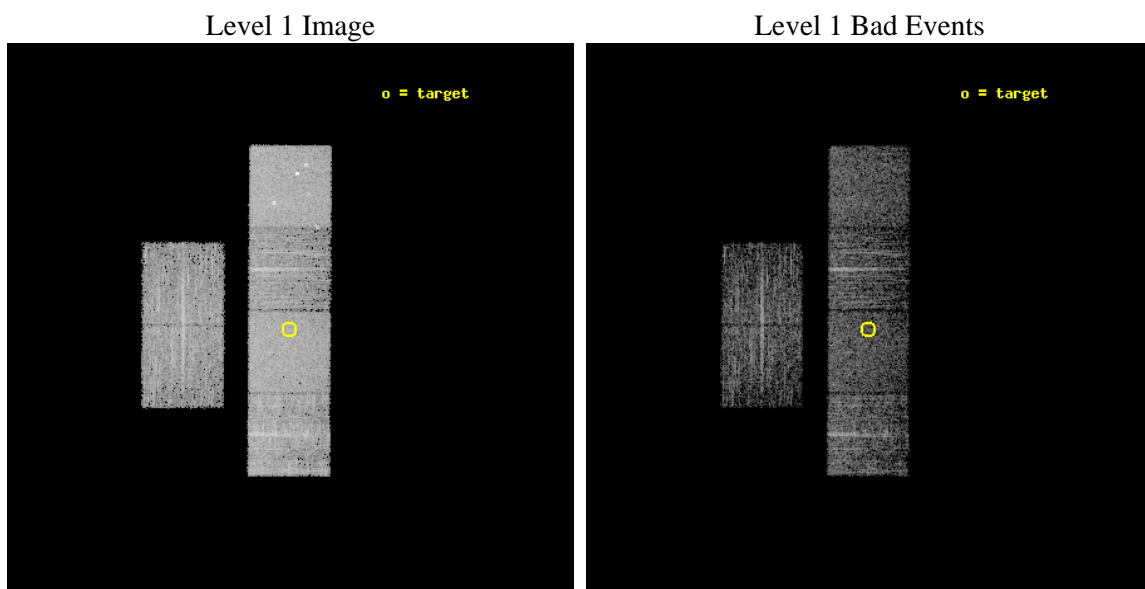
seq_num	900873	Sequence number
obs_id	10505	Observation id
title	ChIcAGO: Chandra Identification of ASCA Galactic Objects	Proposal
observer	Prof. Bryan Gaensler	Principal investigator
object	AX J182216-1425	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	275.567083	Observer's specified target RA [deg]
dec_targ	-14.424	Observer's specified target Dec [deg]
ra_nom	275.56431553834	Nominal RA [deg]
dec_nom	-14.419812255295	Nominal Dec [deg]
roll_nom	90.291187013877	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2633.5999902487	Sum of GTIs [s]
livetime	2600.2517614086	Livetime [s]
ontime2	2633.5999902487	Sum of GTIs [s]
ontime3	2633.5999902487	Sum of GTIs [s]
ontime5	2633.5999902487	Sum of GTIs [s]
ontime6	2633.5999902487	Sum of GTIs [s]
ontime7	2633.5999902487	Sum of GTIs [s]
ontime8	2633.5999902487	Sum of GTIs [s]
l2events	46941	Number of level 2 events



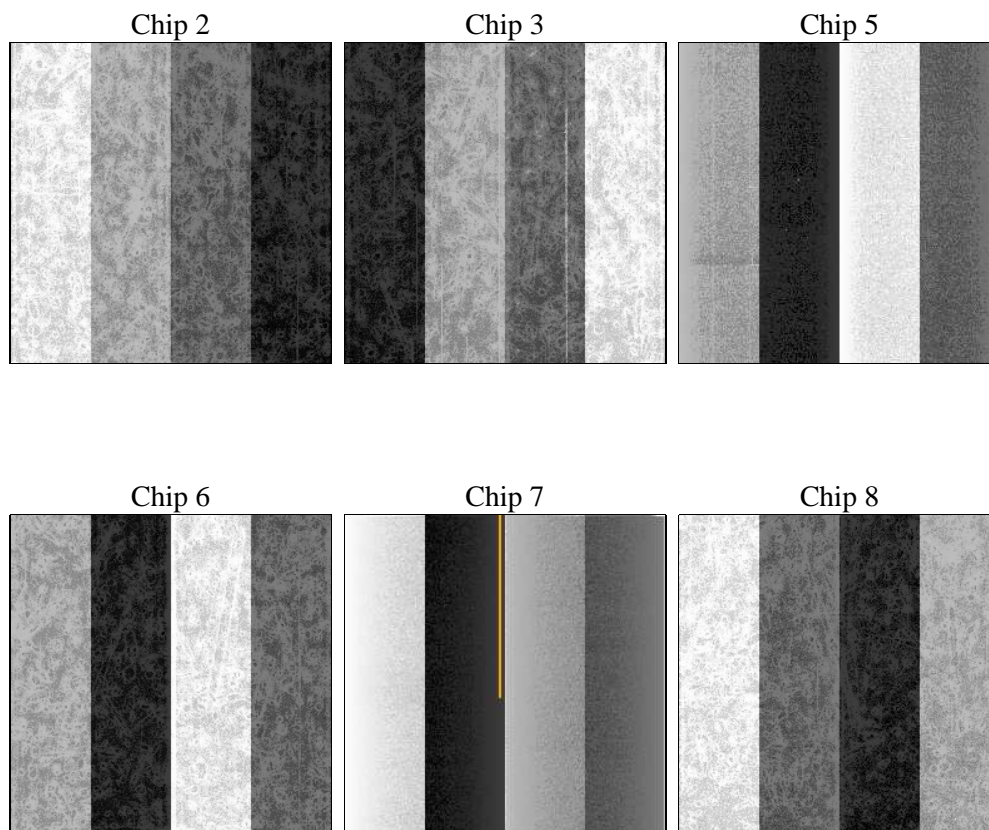
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2633.5999902487	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime2	2633.5999902487	Sum of GTIs [s]
date	2012-06-02T14:11:00	Date and time of file creation	ontime3	2633.5999902487	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2633.5999902487	Sum of GTIs [s]
			ontime6	2633.5999902487	Sum of GTIs [s]
			ontime7	2633.5999902487	Sum of GTIs [s]
			ontime8	2633.5999902487	Sum of GTIs [s]
			l1events	215679	Number of level 1 events

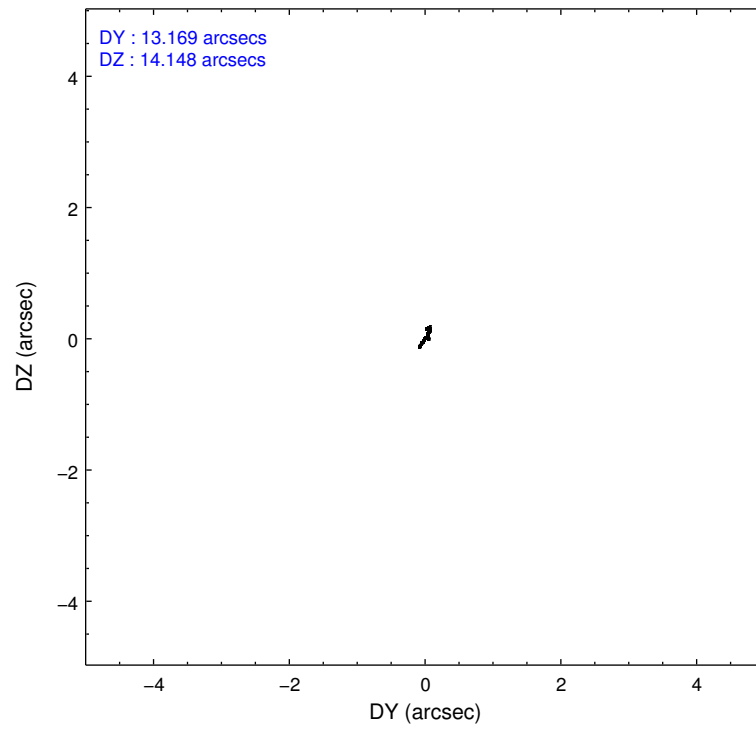
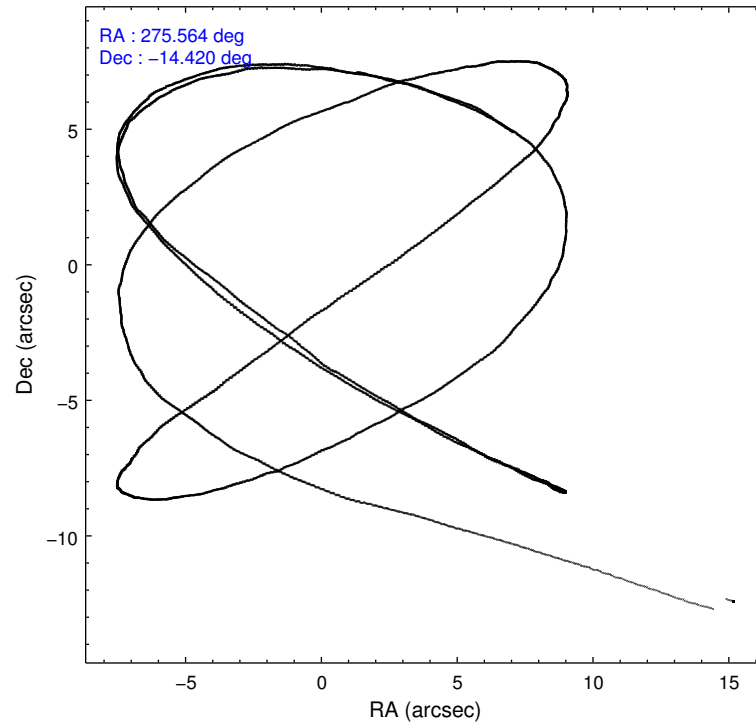
### 2.1.4 Events

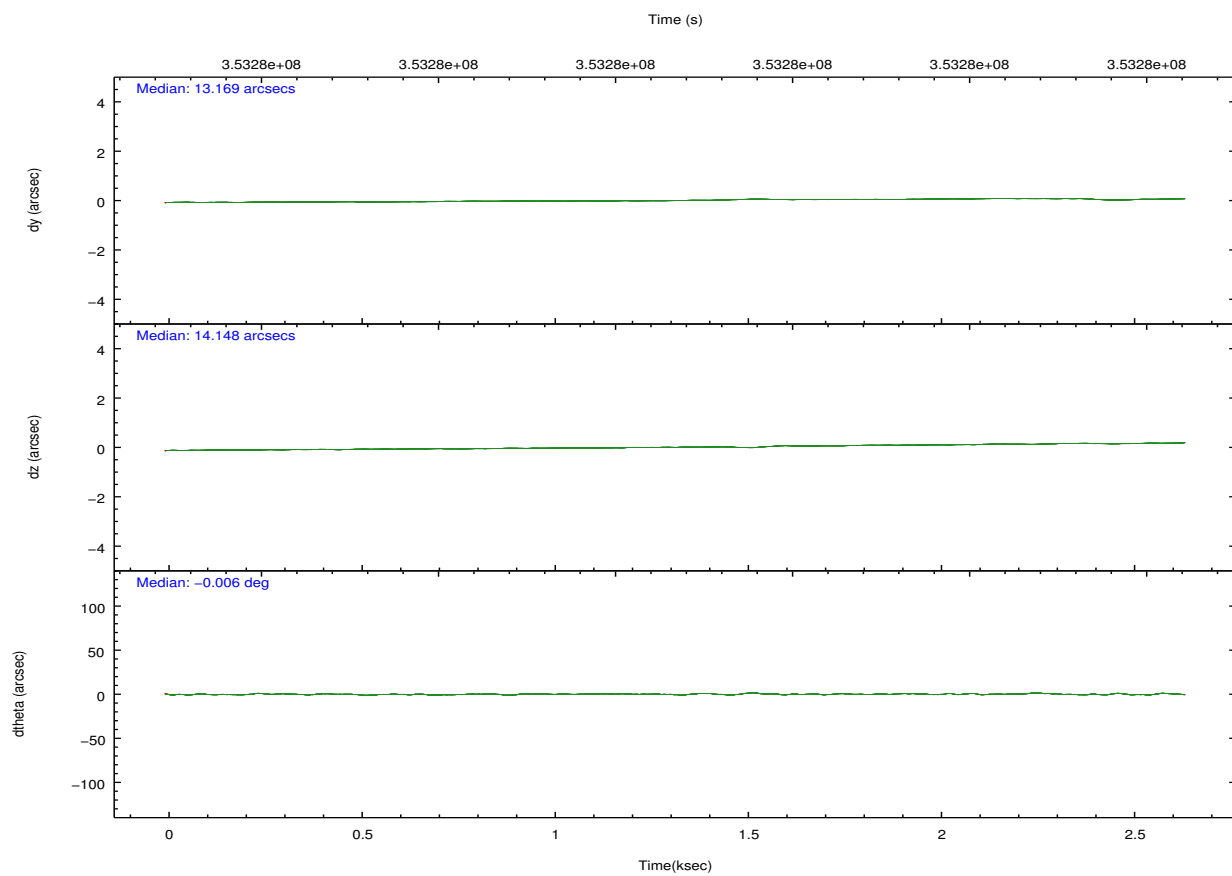
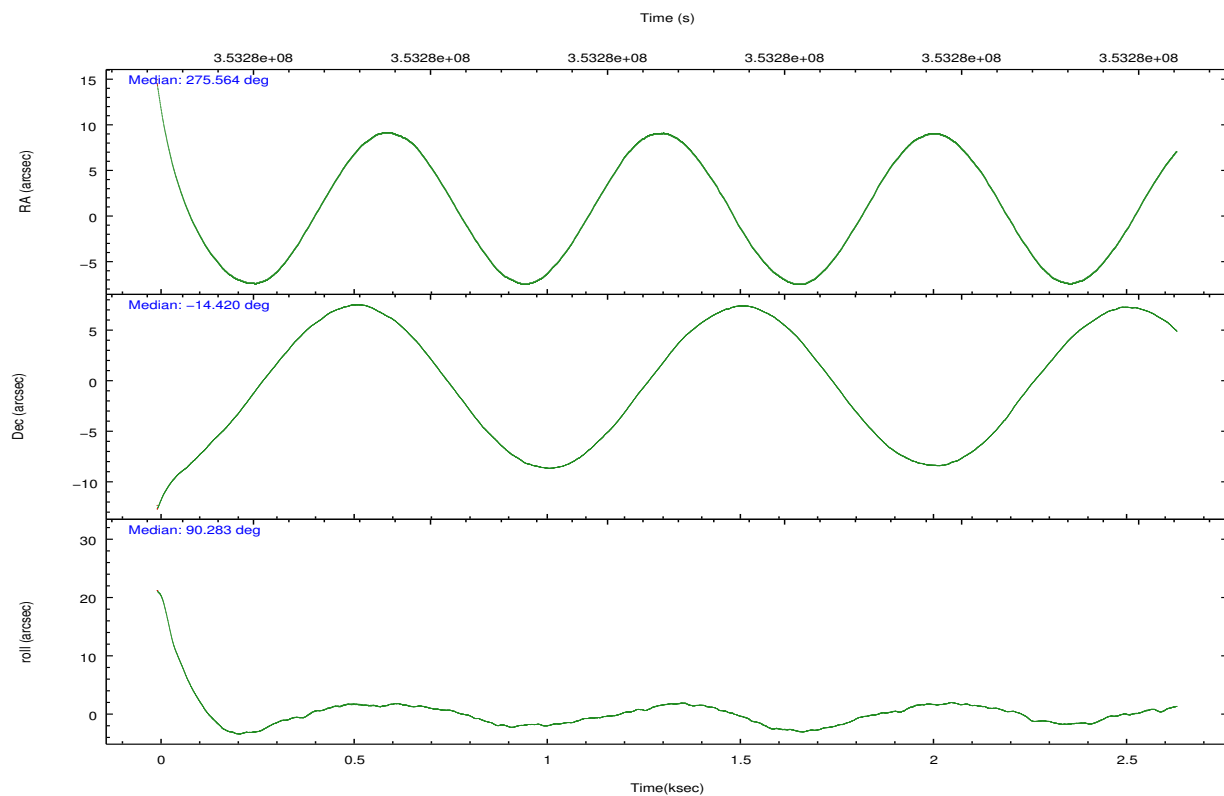
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	28878	28414	47584	29542	41889	39372	grade 0 events	1581	1761	3005	1556	1469	2900
rejected events	25561	24889	26933	26020	25938	30565		5%	6%	6%	5%	3%	7%
rejected %	88%	87%	56%	88%	61%	77%	grade 1 events	22	27	125	15	43	41
								0%	0%	0%	0%	0%	0%
							grade 2 events	793	725	6457	831	3677	2249
								2%	2%	13%	2%	8%	5%
							grade 3 events	322	359	789	325	1390	919
								1%	1%	1%	1%	3%	2%
							grade 4 events	314	336	723	339	1441	871
								1%	1%	1%	1%	3%	2%
							grade 5 events	1220	1392	3169	1389	4014	1904
								4%	4%	6%	4%	9%	4%
							grade 6 events	597	637	11368	741	9298	2430
								2%	2%	23%	2%	22%	6%
							grade 7 events	24029	23177	21948	24346	20557	28058
								83%	81%	46%	82%	49%	71%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	275.579006	275.5643155383411	CCD I2 on	O2	Y
[deg] Pointing Dec	-14.443315	-14.41981225529497	CCD I3 on	O3	Y
[deg] Pointing Roll	90.138162	90.29118701387669	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O4	Y
[s] Observation start time (MET)	353277987.184000	353276828.25107	CCD S5 on	N	N
Observation start date	2009-03-12T20:45:21	2009-03-12T20:27:08	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	353280487.184000	353281405.90129	On-chip summing requested	N	N
Observation end date	2009-03-12T21:27:01	2009-03-12T21:43:25	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect





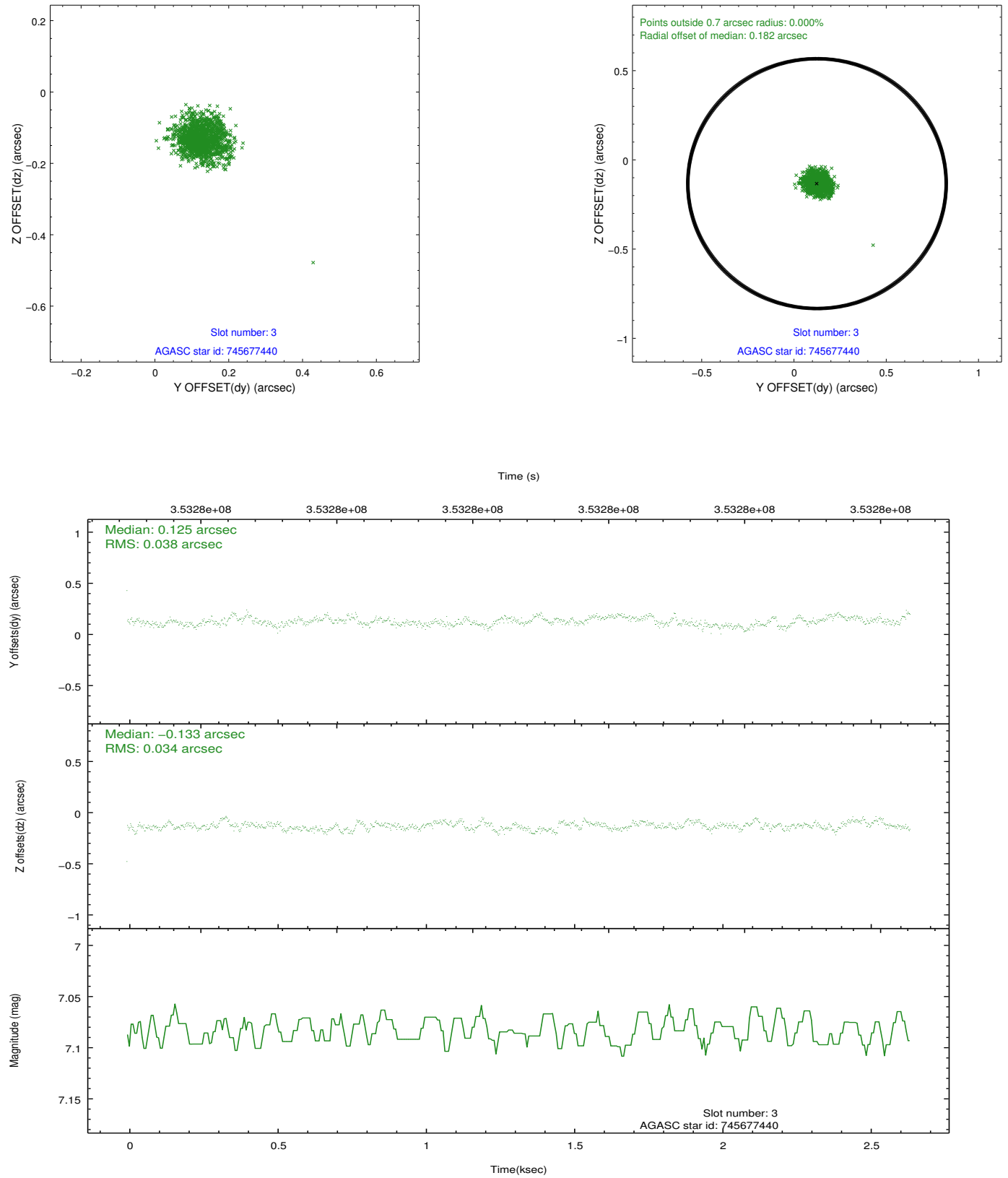
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.99	645	-0.016	0.007	0.006	0.010	0.000000	0.000000	929.93	-1731.09
1	FID	ACIS-S-4	6.99	645	0.064	-0.008	0.007	0.010	0.000000	0.000000	2148.76	170.54
2	FID	ACIS-S-6	7.12	645	-0.072	0.012	0.006	0.009	0.000000	0.000000	398.93	810.68
3	GUIDE	745677440	7.08	1289	0.125	-0.133	0.054	0.085	275.264510	-14.978543	-1925.64	1098.23
4	GUIDE	745680664	7.05	1289	-0.108	-0.171	0.061	0.100	275.566567	-14.388697	194.99	43.44
5	GUIDE	745680912	8.76	1289	0.079	-0.256	0.073	0.114	275.063718	-14.846878	-1450.71	1796.05
6	GUIDE	747385144	9.18	1288	-0.086	0.117	0.097	0.158	276.168048	-13.912906	1900.90	-2061.42
7	GUIDE	747394680	7.45	1287	-0.009	0.436	0.066	0.107	276.275759	-14.649373	-749.72	-2426.42

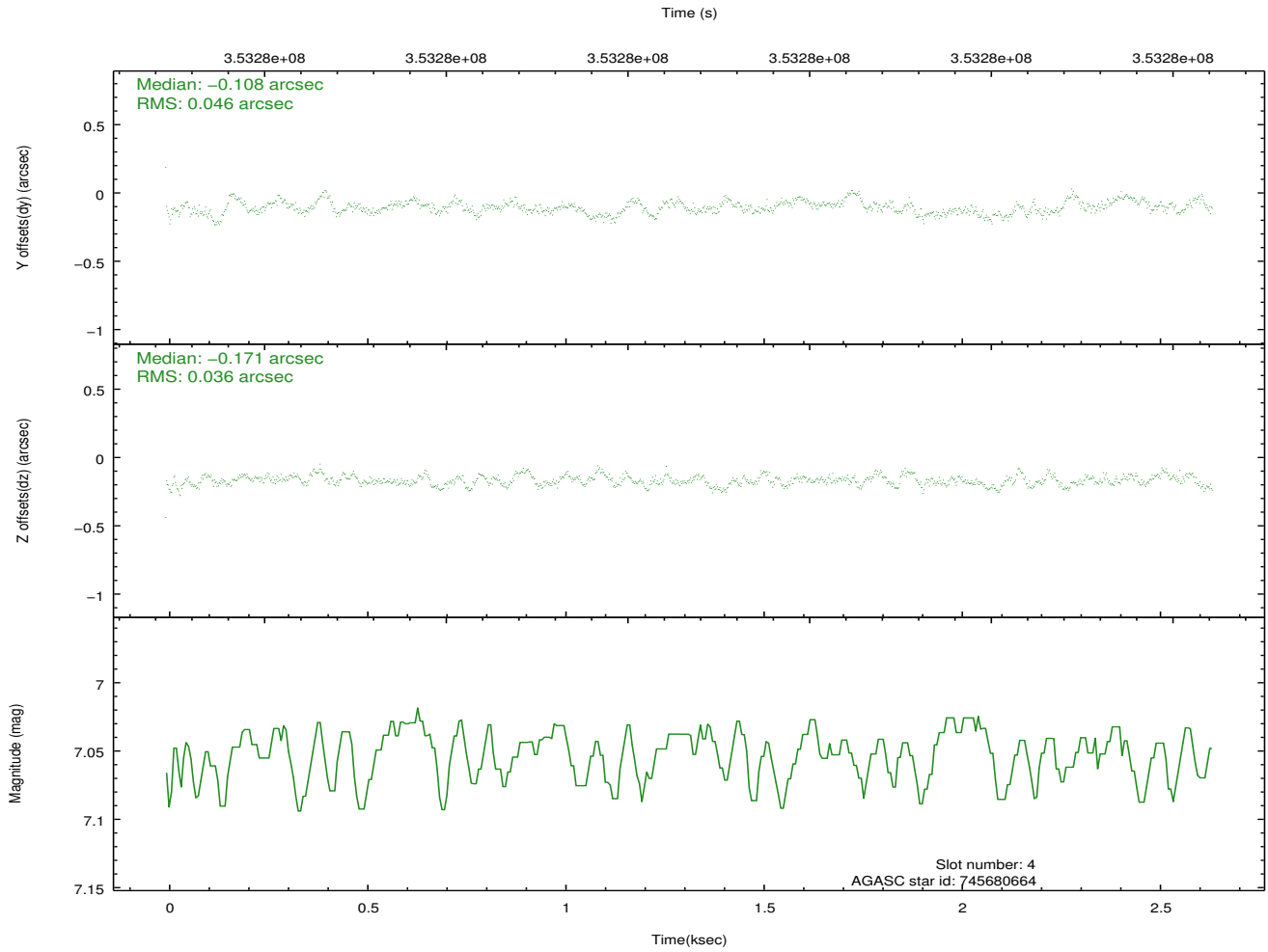
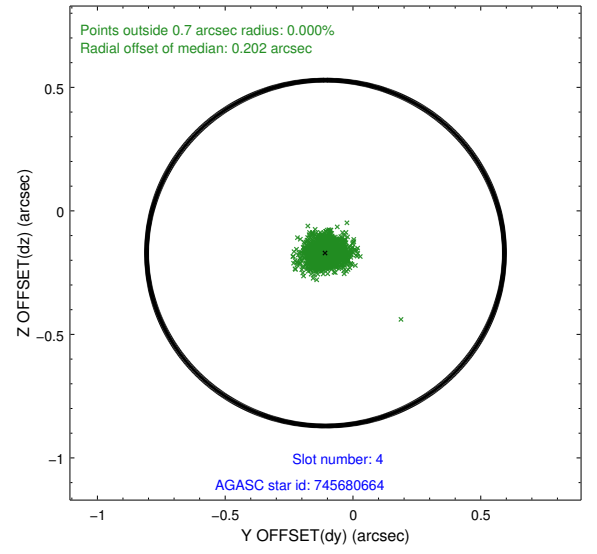
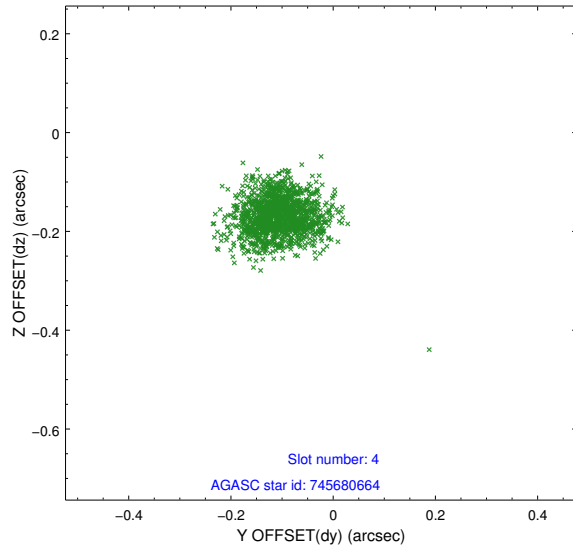


## 2.4 Star Slots

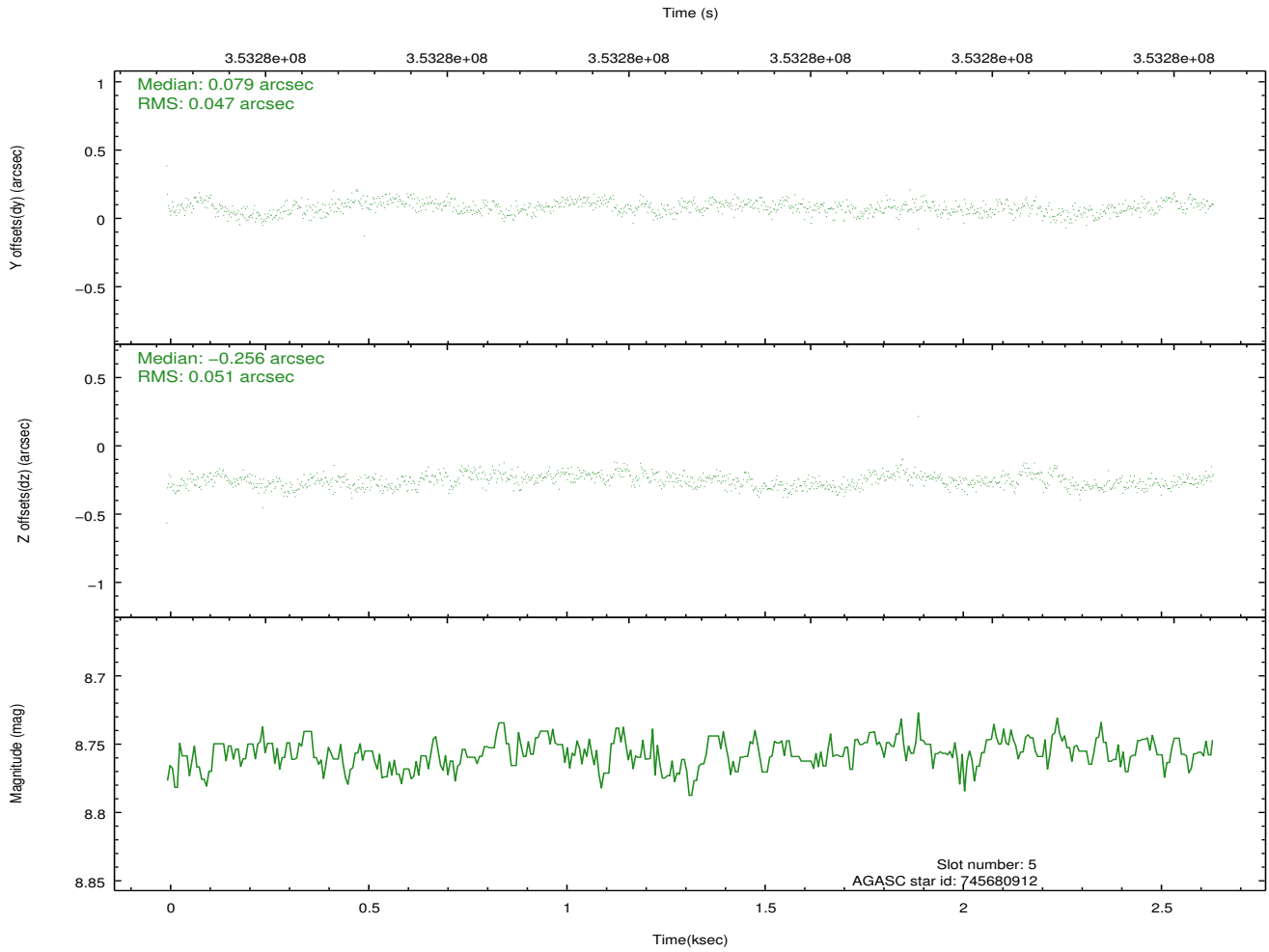
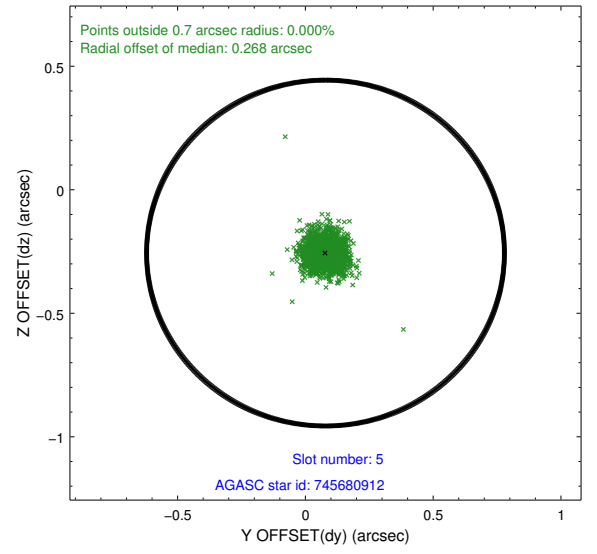
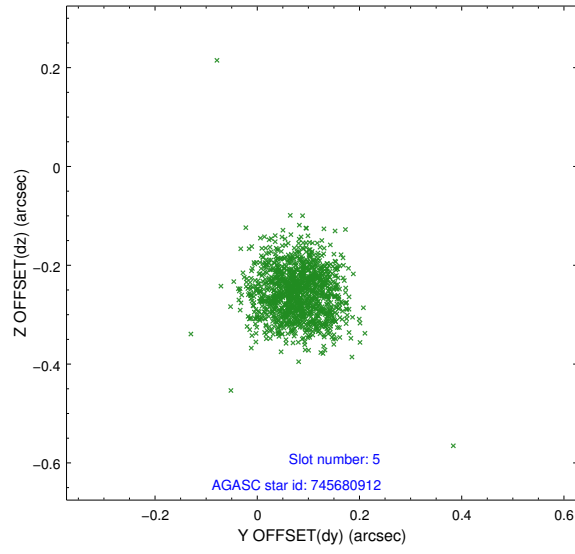
### 2.4.1 Slot 3



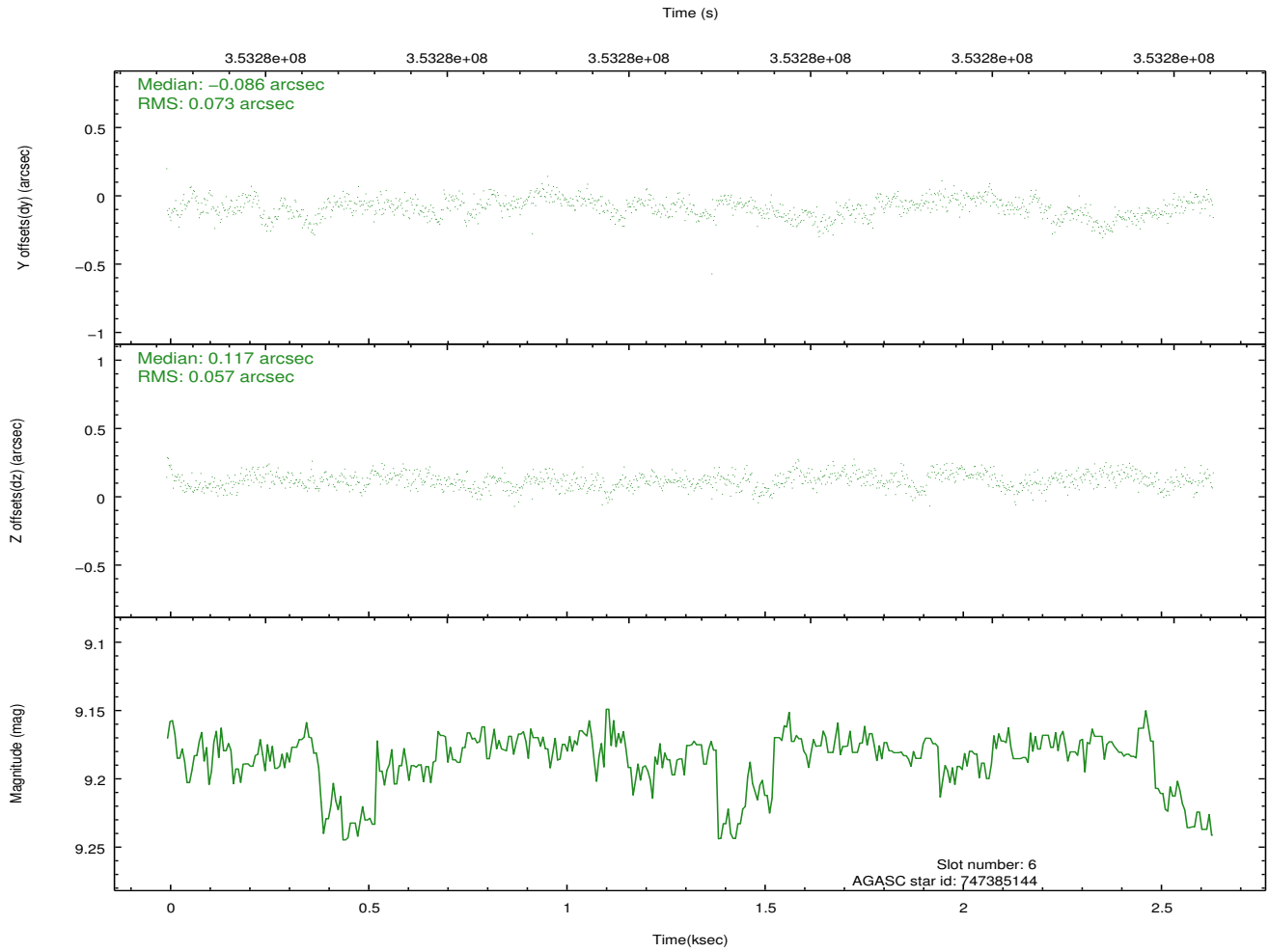
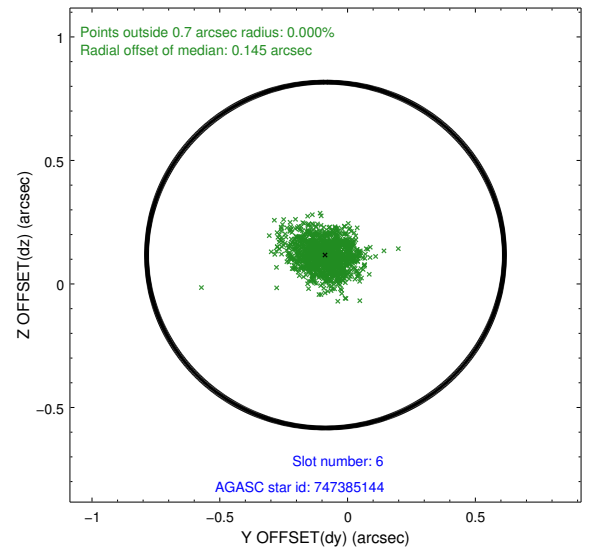
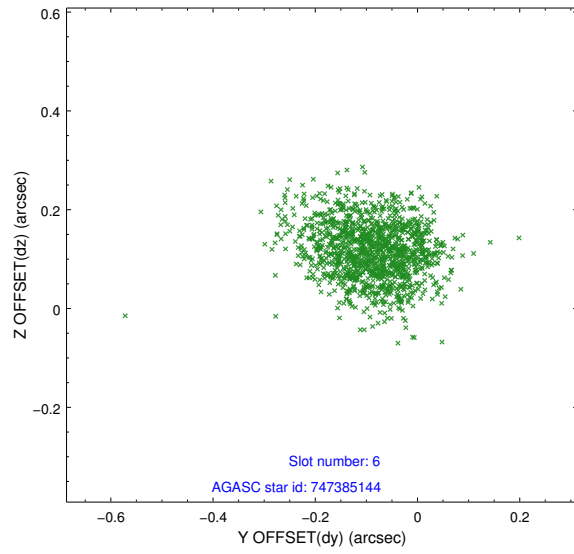
## 2.4.2 Slot 4



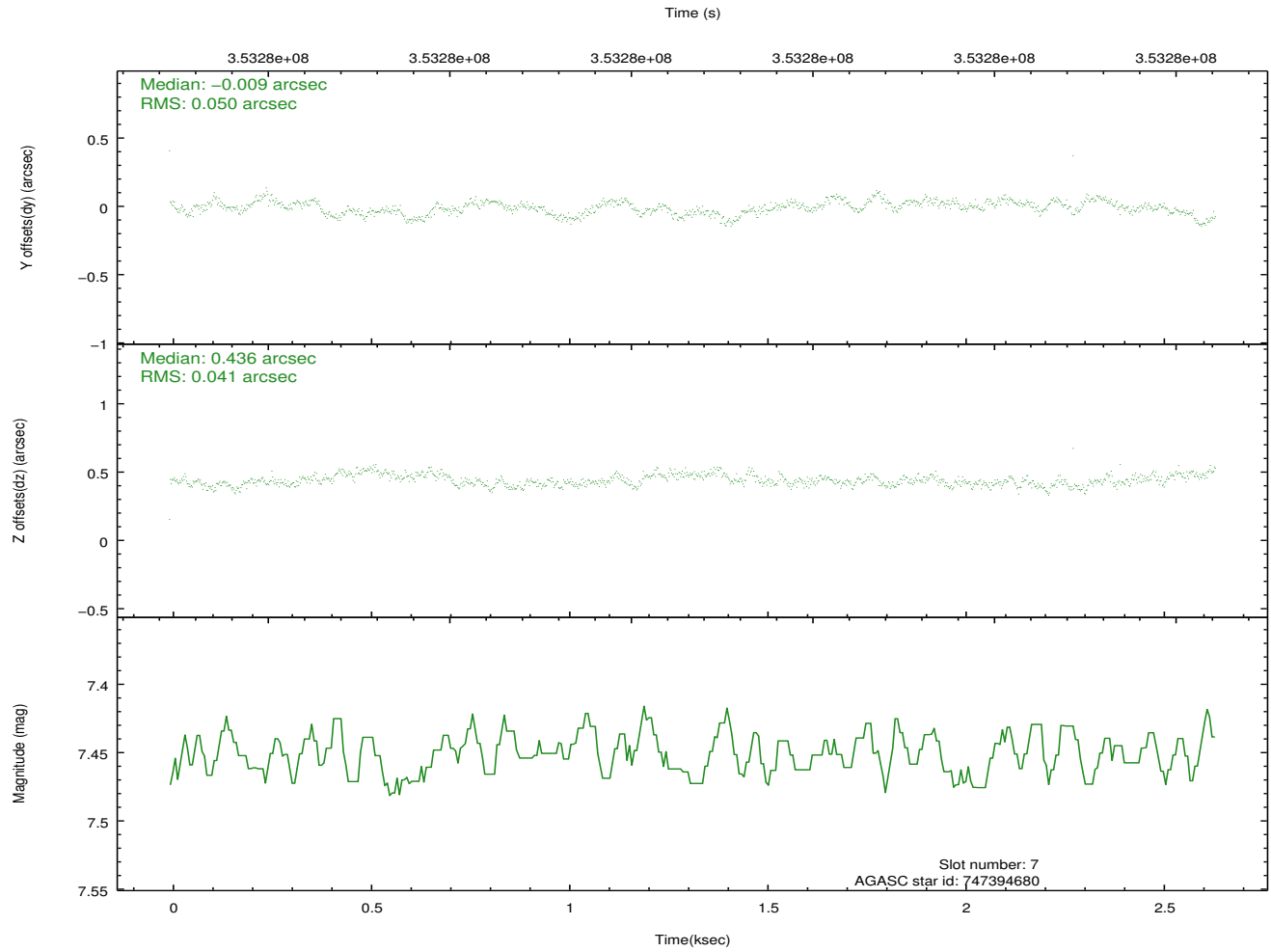
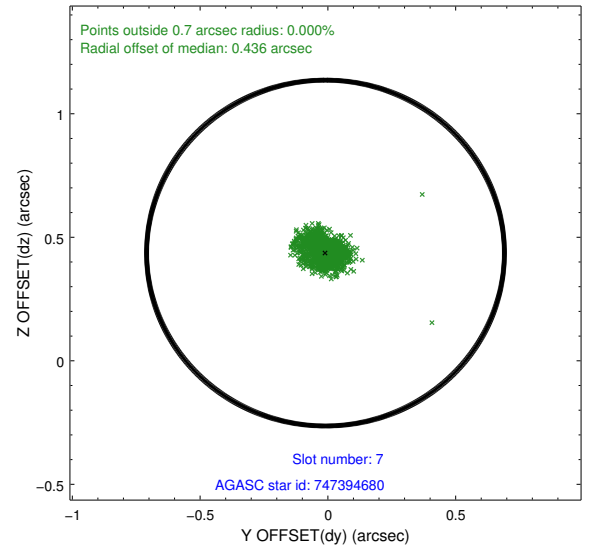
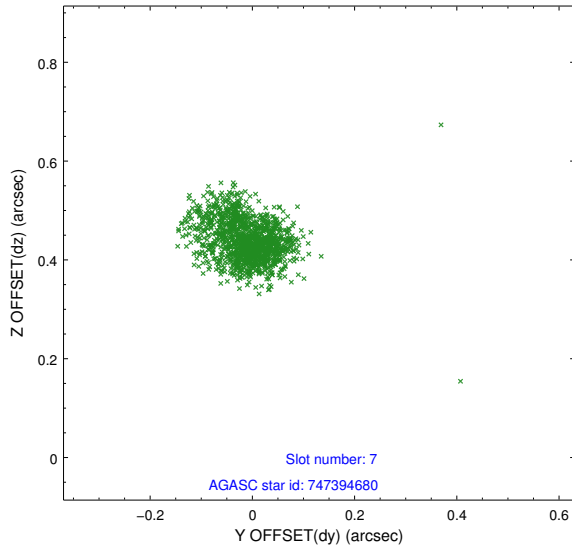
### 2.4.3 Slot 5



## 2.4.4 Slot 6

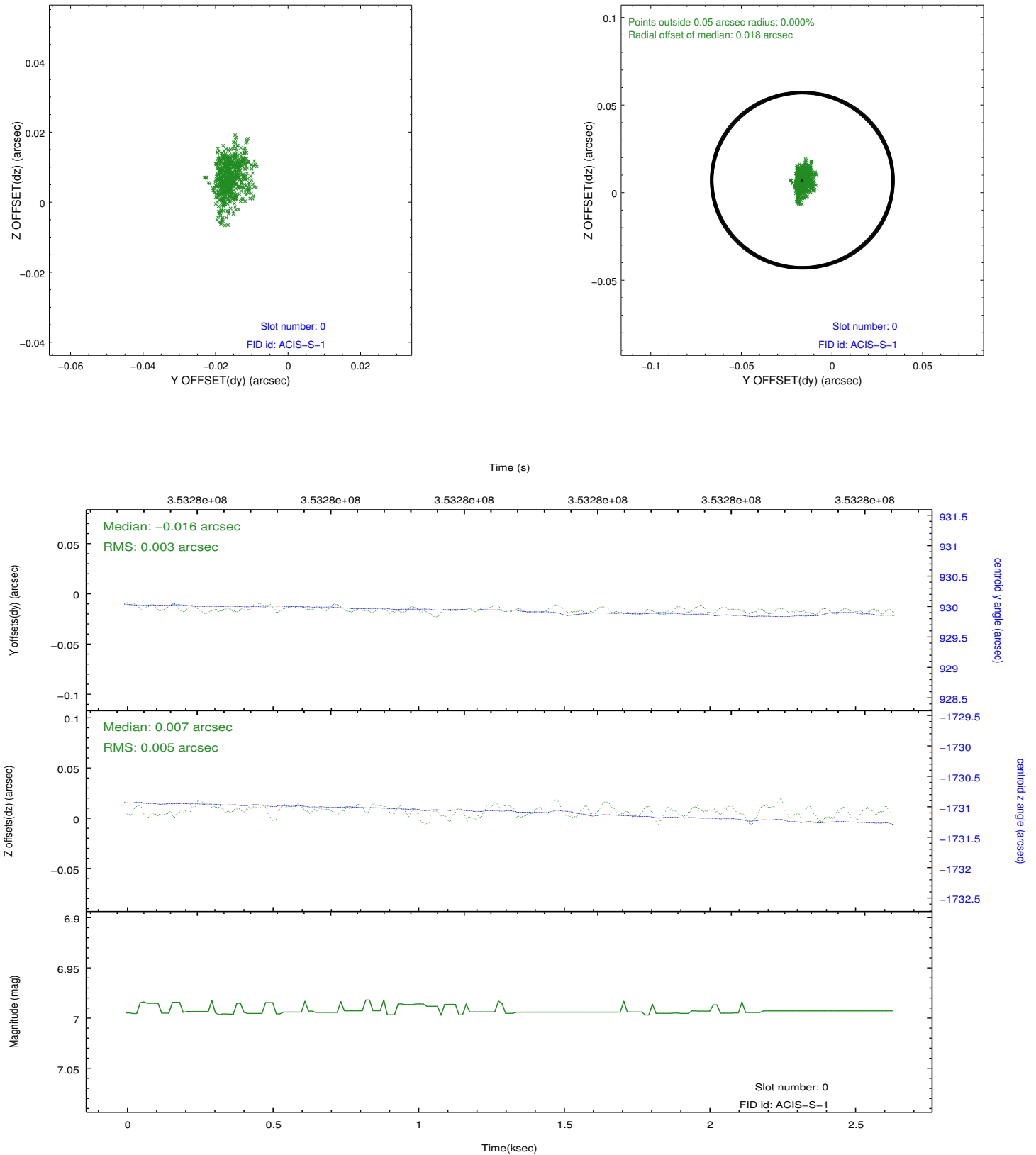


## 2.4.5 Slot 7

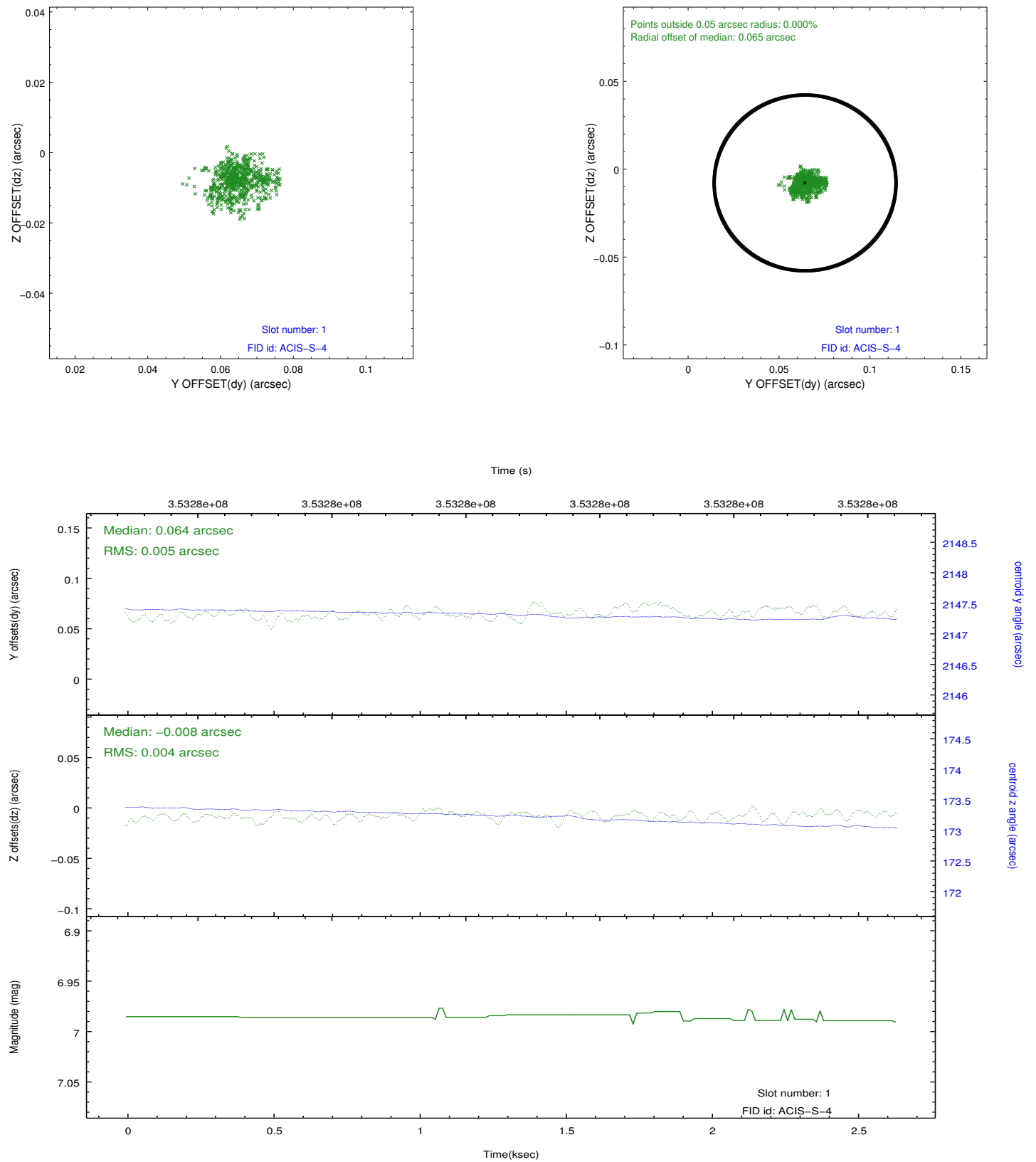


## 2.5 FID Slots

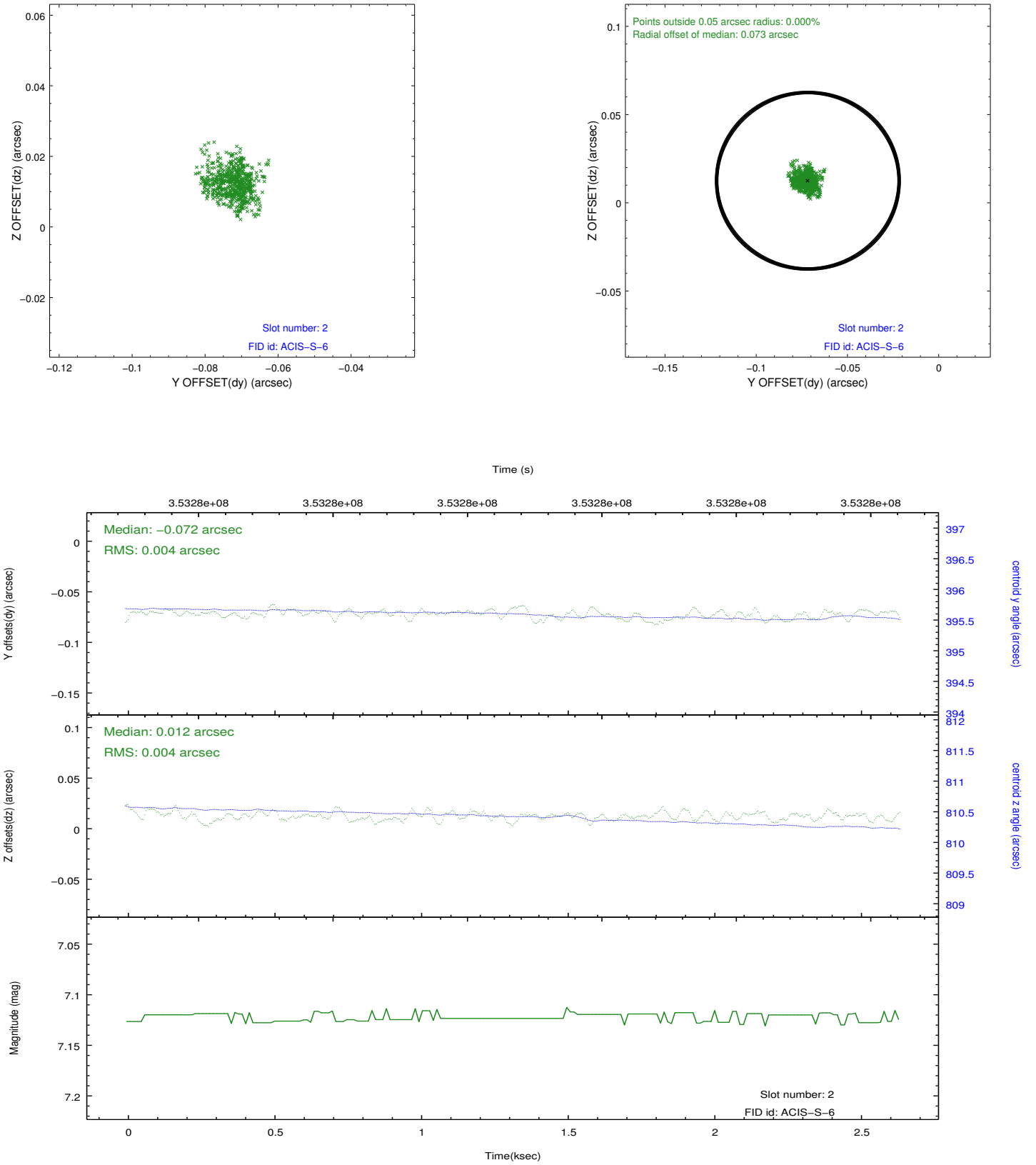
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.63359999

### A.2 Comments