

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3298 - L2 Version 4  
Chandra X-Ray Center

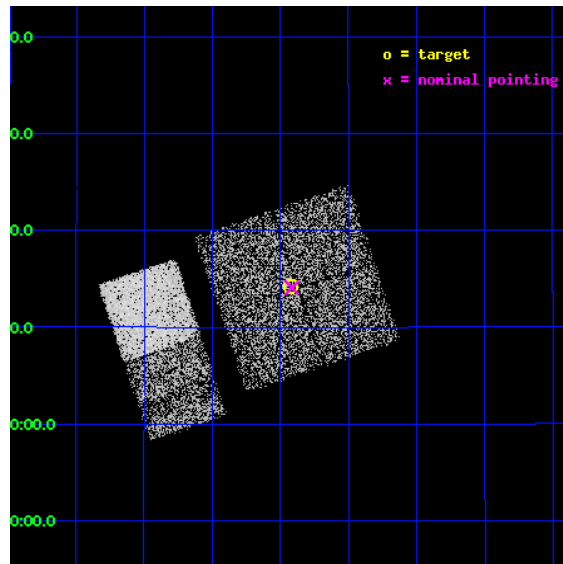
L2 Processing Date : Oct 11 2012

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# 1 Front

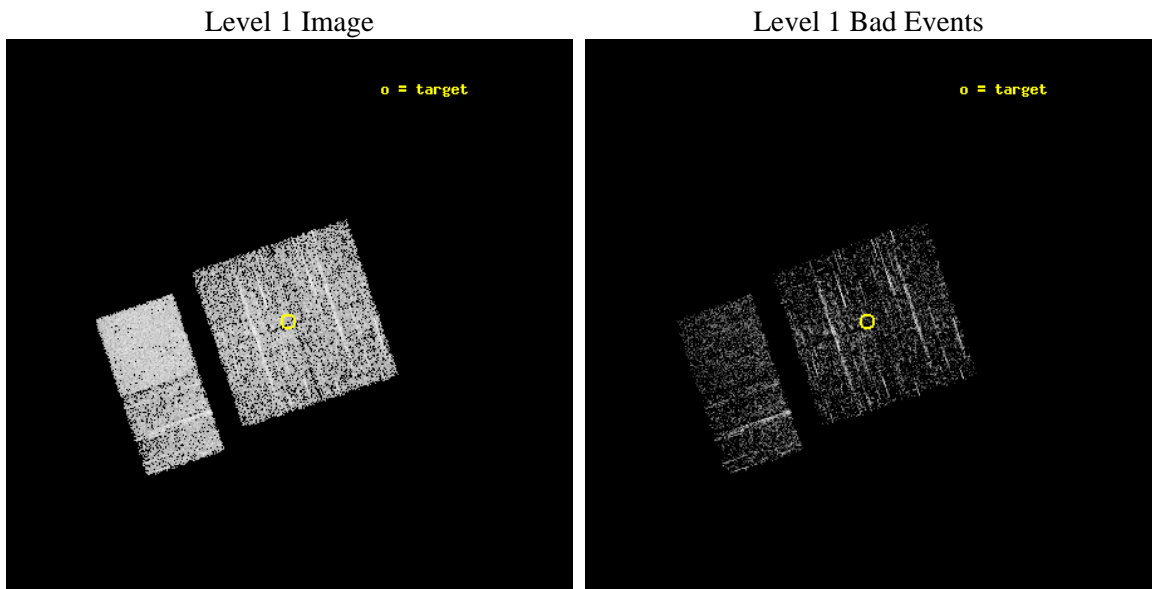
seq_num	900137	Sequence number
obs_id	3298	Observation id
title	A CHEAP COMPLETE WIDE BRIGHT SURVEY	Proposal title
observer	DR. FABIO LA FRANCA	Principal investigator
object	H135556	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	208.982083	Observer's specified target RA [deg]
dec_targ	18.237972	Observer's specified target Dec [deg]
ra_nom	208.97886832204	Nominal RA [deg]
dec_nom	18.234503762054	Nominal Dec [deg]
roll_nom	251.47375458103	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1307.8471087217	Sum of GTIs [s]
livetime	1291.2863611401	Livetime [s]
ontime0	1307.7239887416	Sum of GTIs [s]
ontime1	1307.7650287151	Sum of GTIs [s]
ontime2	1307.8060687184	Sum of GTIs [s]
ontime3	1307.8471087217	Sum of GTIs [s]
ontime6	1307.9291887283	Sum of GTIs [s]
ontime7	1307.888148725	Sum of GTIs [s]
l2events	23372	Number of level 2 events



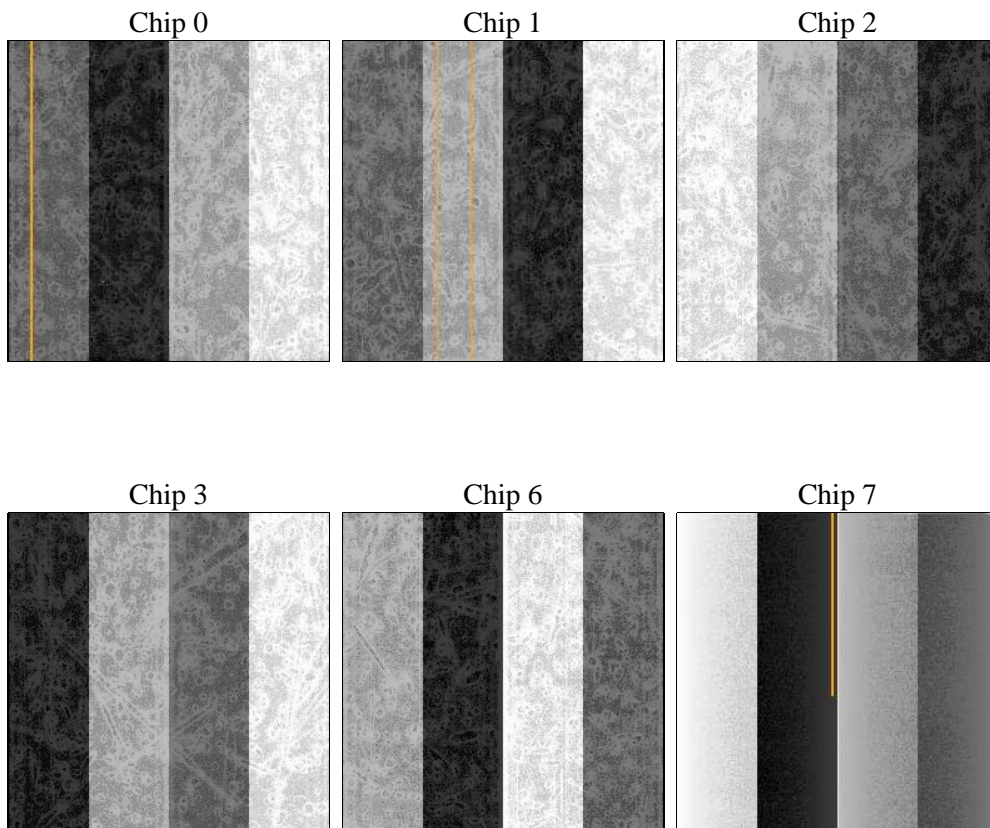
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	1554.355000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1307.8471087217	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	1307.7239887416	Sum of GTIs [s]
date	2012-10-11T16:05:47	Date and time of file creation	ontime1	1307.7650287151	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	1307.8060687184	Sum of GTIs [s]
			ontime3	1307.8471087217	Sum of GTIs [s]
			ontime6	1307.9291887283	Sum of GTIs [s]
			ontime7	1307.888148725	Sum of GTIs [s]
			l1events	68099	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	9436	9756	10340	10006	10711	17850
rejected events	6811	7029	7644	7411	7641	6768
rejected %	72%	72%	73%	74%	71%	37%

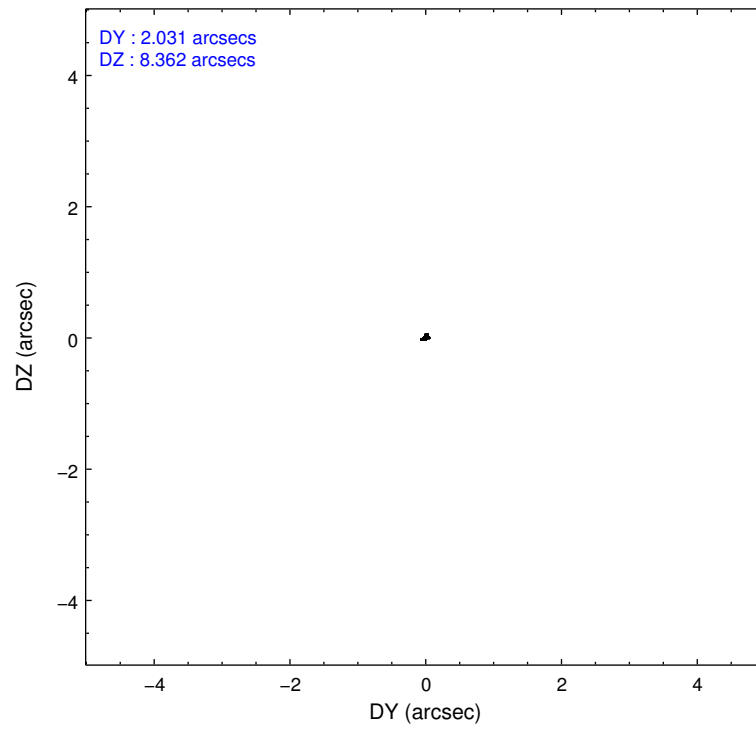
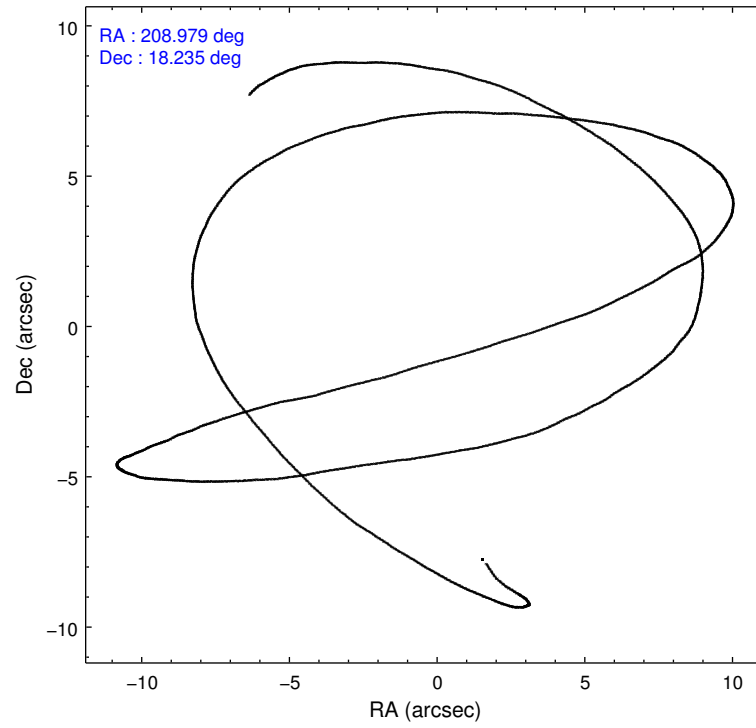
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1617	1594	1683	1606	1997	1221
	17%	16%	16%	16%	18%	6%
grade 1 events	8	4	10	6	4	18
	0%	0%	0%	0%	0%	0%
grade 2 events	454	504	462	424	473	2034
	4%	5%	4%	4%	4%	11%
grade 3 events	133	150	155	131	159	840
	1%	1%	1%	1%	1%	4%
grade 4 events	147	148	132	143	151	824
	1%	1%	1%	1%	1%	4%
grade 5 events	293	315	314	322	358	1121
	3%	3%	3%	3%	3%	6%
grade 6 events	310	346	276	306	304	6222
	3%	3%	2%	3%	2%	34%
grade 7 events	6474	6695	7308	7068	7265	5570
	68%	68%	70%	70%	67%	31%

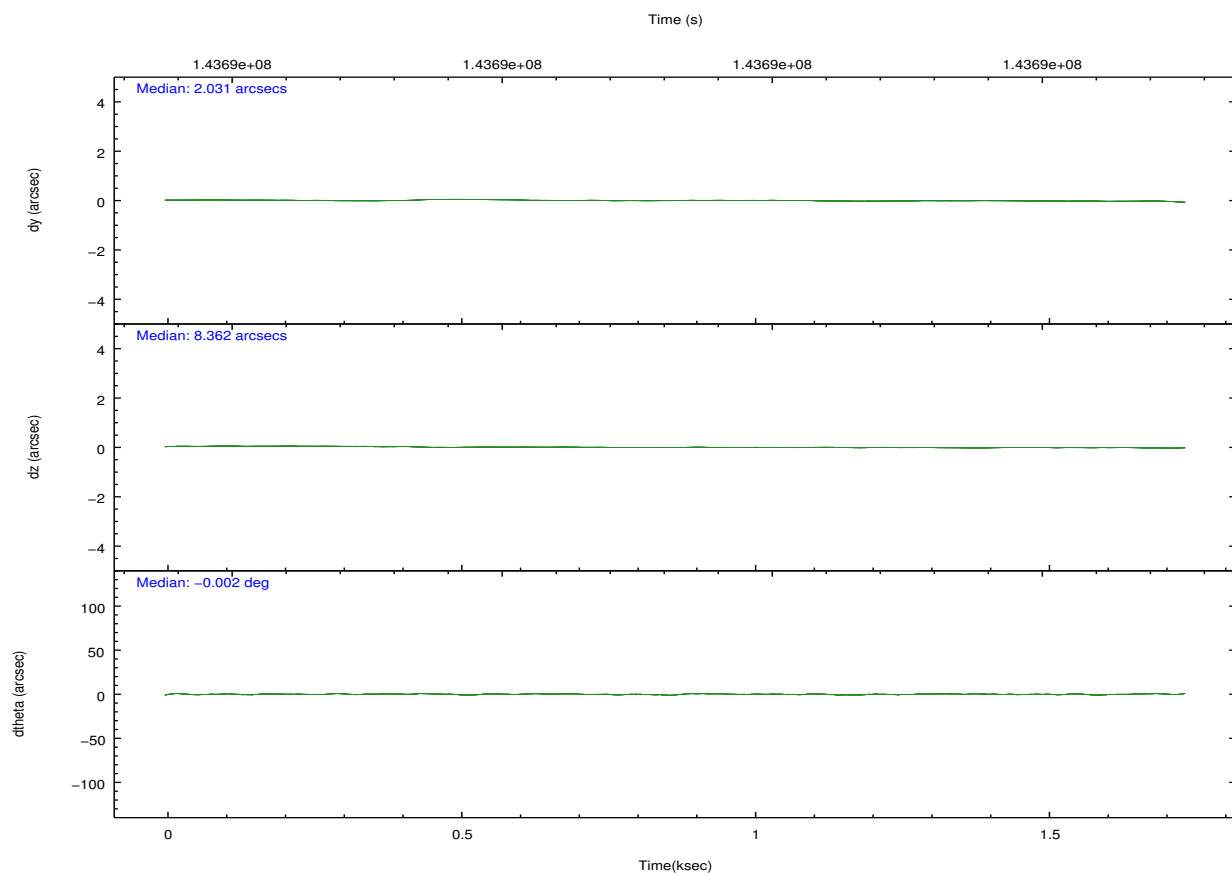
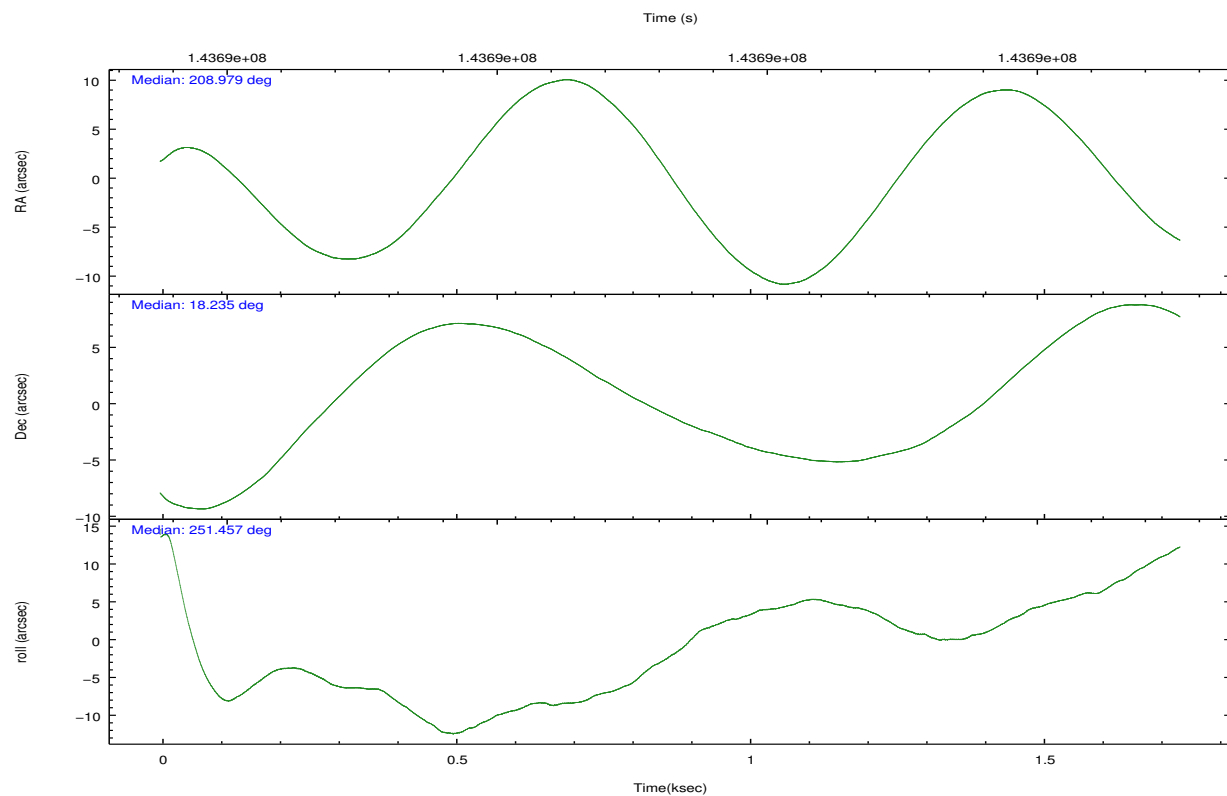
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	208.972993	208.978868322039
[deg] Pointing Dec	18.261310	18.23450376205449
[deg] Pointing Roll	251.266787	251.4737545810282
[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)	143689633.184000	143688968.5837
Observation start date	2002-07-22T01:46:09	2002-07-22T01:36:08
[s] Observation end time (MET)	143691188.184000	143691502.3838
Observation end date	2002-07-22T02:12:04	2002-07-22T02:18:22
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect





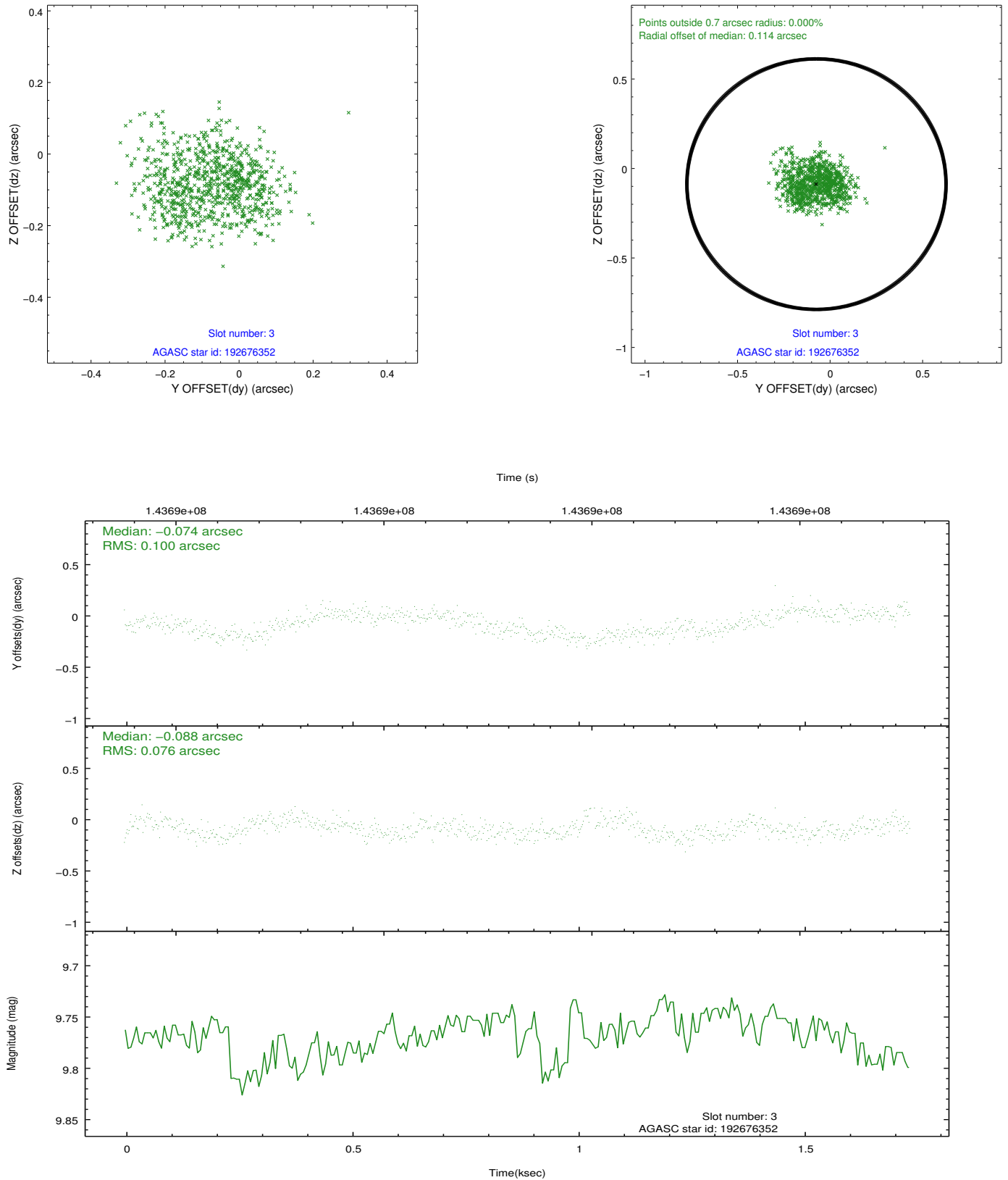
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	424	-0.031	0.064	0.007	0.012	0.000000	0.000000	937.75	-831.74
1	FID	ACIS-I-5	7.24	424	-0.047	0.029	0.007	0.013	0.000000	0.000000	-1808.24	1063.84
2	FID	ACIS-I-6	7.26	424	-0.012	-0.022	0.007	0.012	0.000000	0.000000	399.23	1712.58
3	GUIDE	192676352	9.77	844	-0.074	-0.088	0.136	0.207	208.584068	18.171137	735.32	-1156.95
4	GUIDE	192677952	9.28	848	0.116	-0.053	0.112	0.166	208.719264	18.036016	1049.17	-564.34
5	GUIDE	192678280	7.54	848	-0.104	0.147	0.092	0.147	209.396717	18.260570	-461.90	1370.46
6	GUIDE	192682712	9.60	847	0.147	0.155	0.151	0.224	209.161472	17.691572	1735.28	1271.89
7	GUIDE	192681008	10.06	845	-0.095	-0.165	0.378	0.501	208.704210	18.398710	-170.34	-1028.32

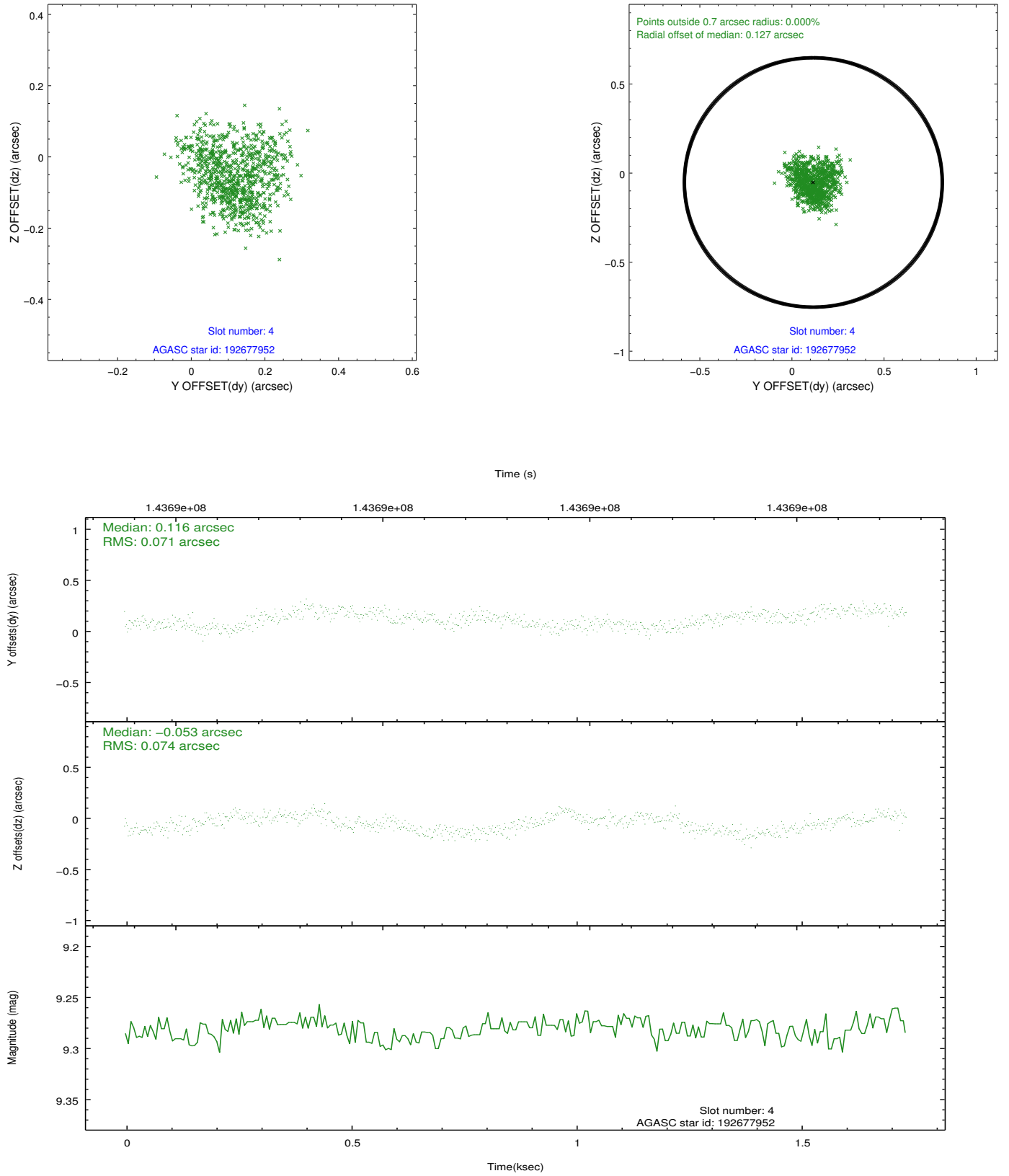


## 2.4 Star Slots

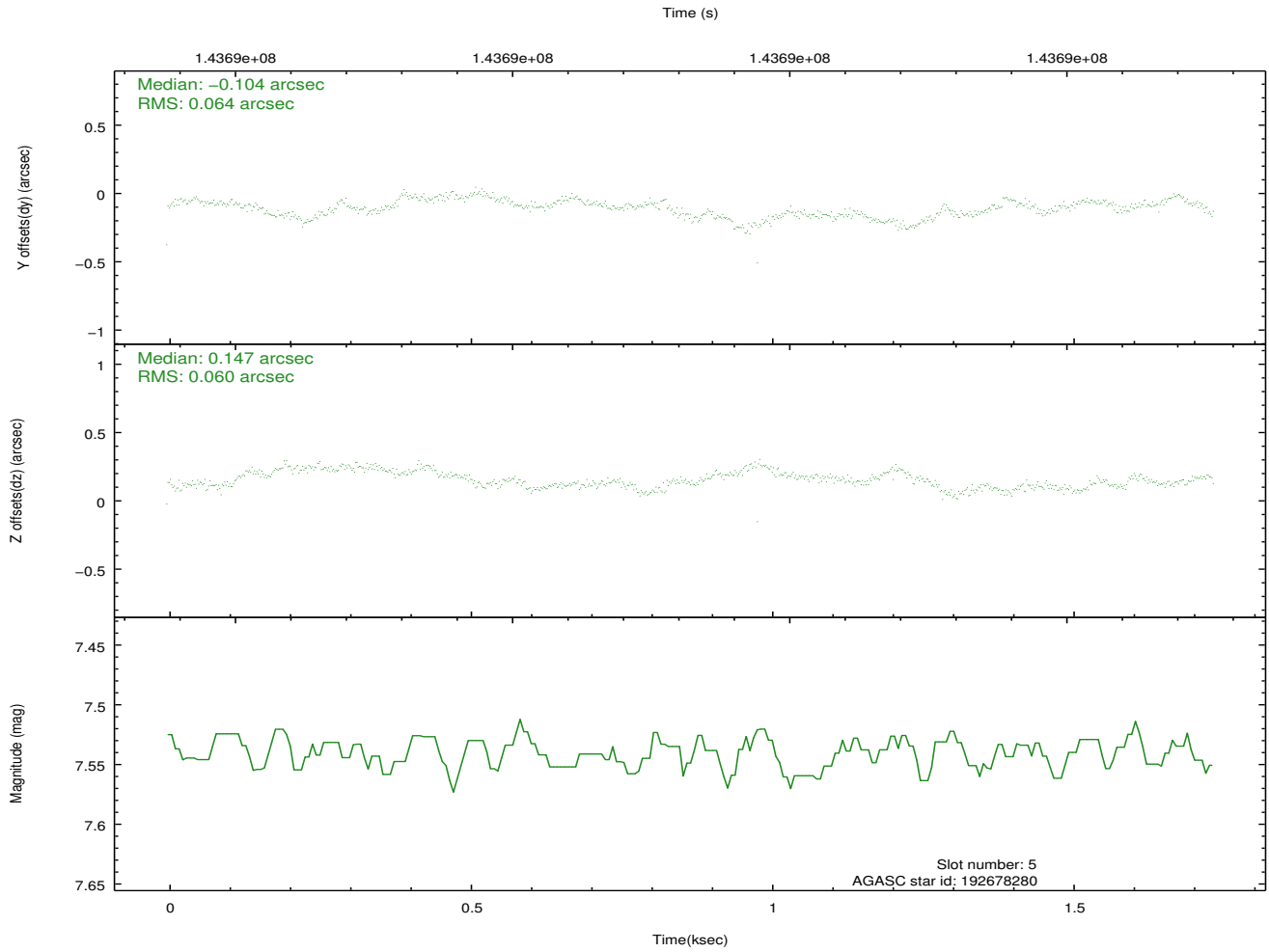
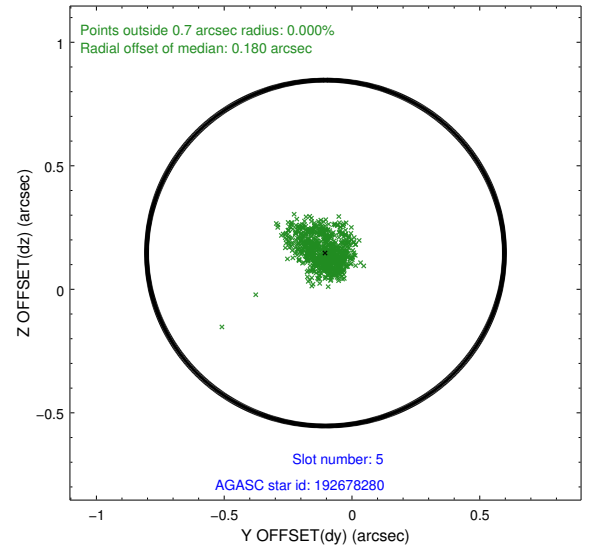
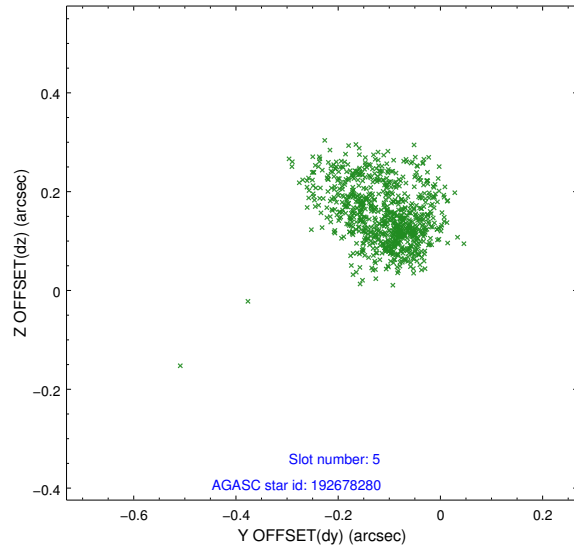
### 2.4.1 Slot 3



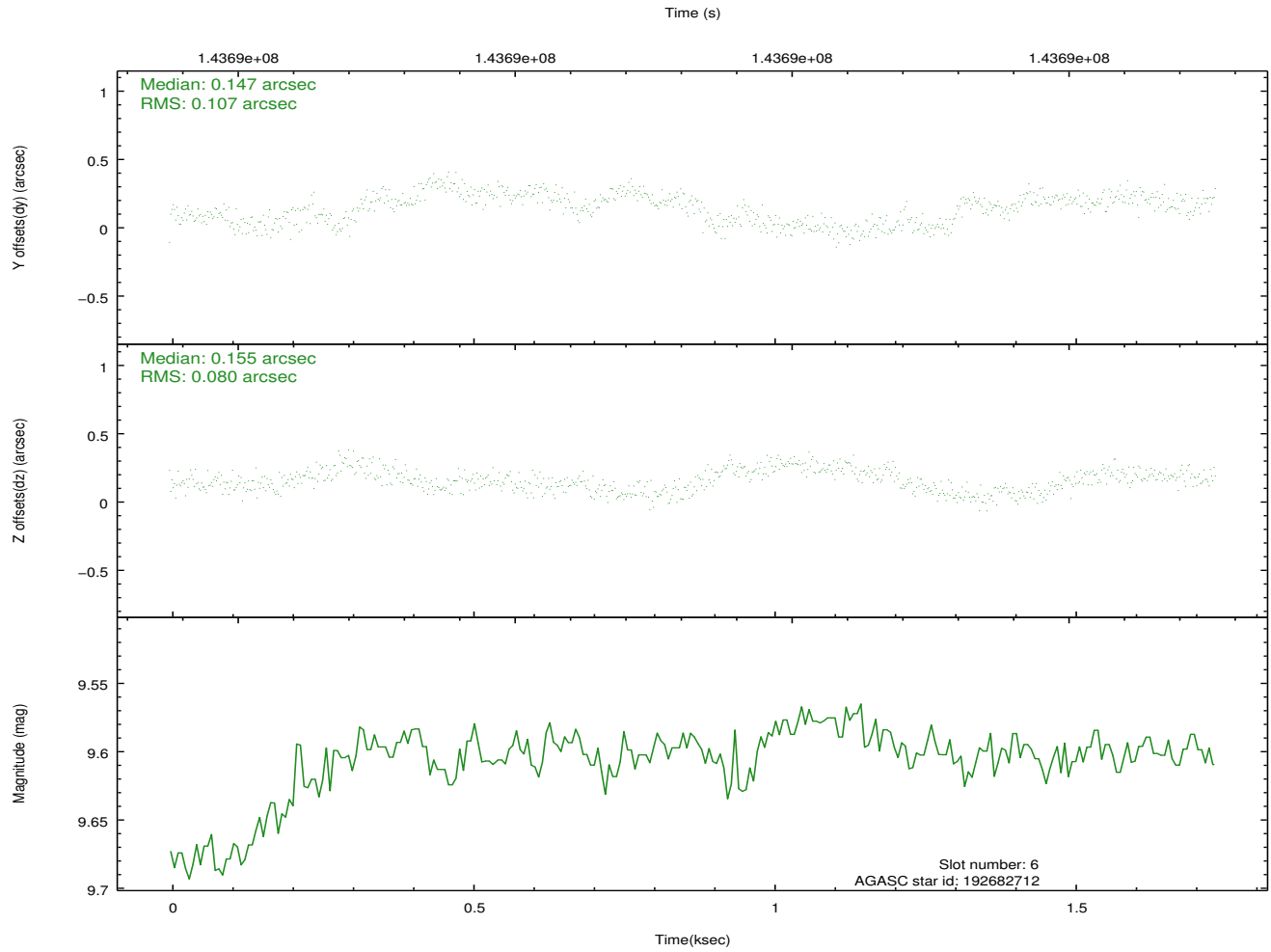
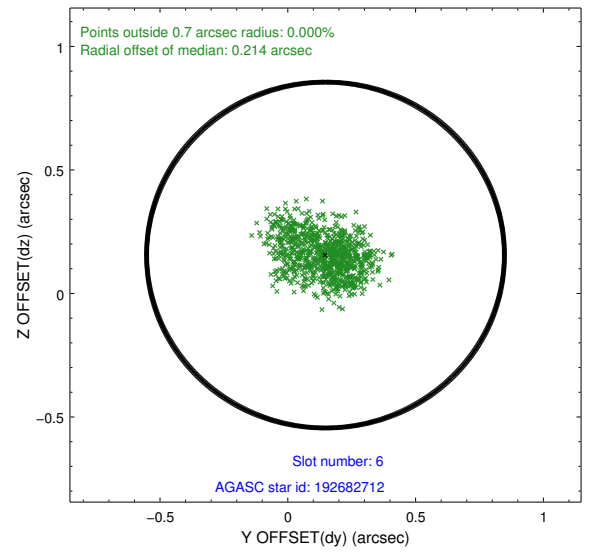
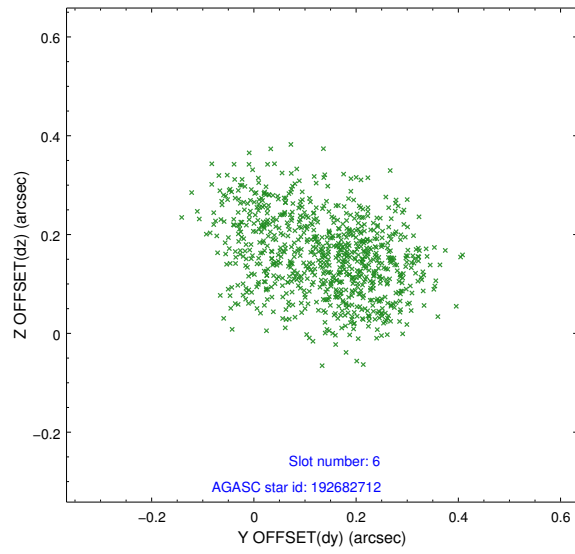
## 2.4.2 Slot 4



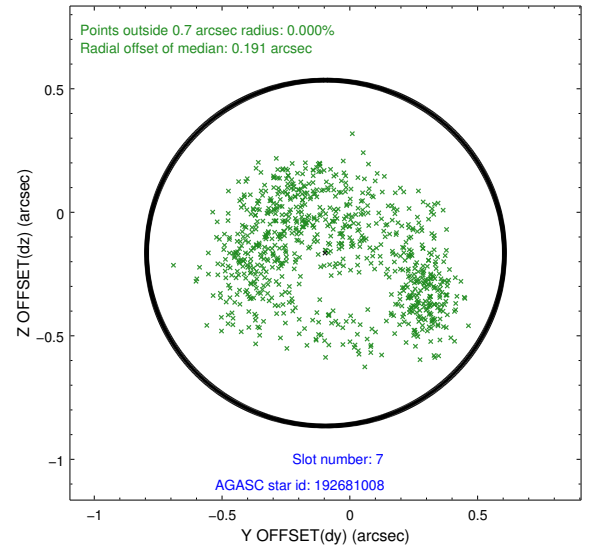
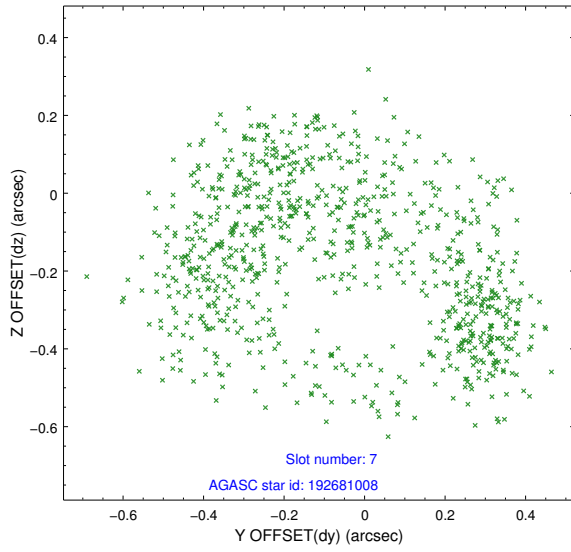
### 2.4.3 Slot 5



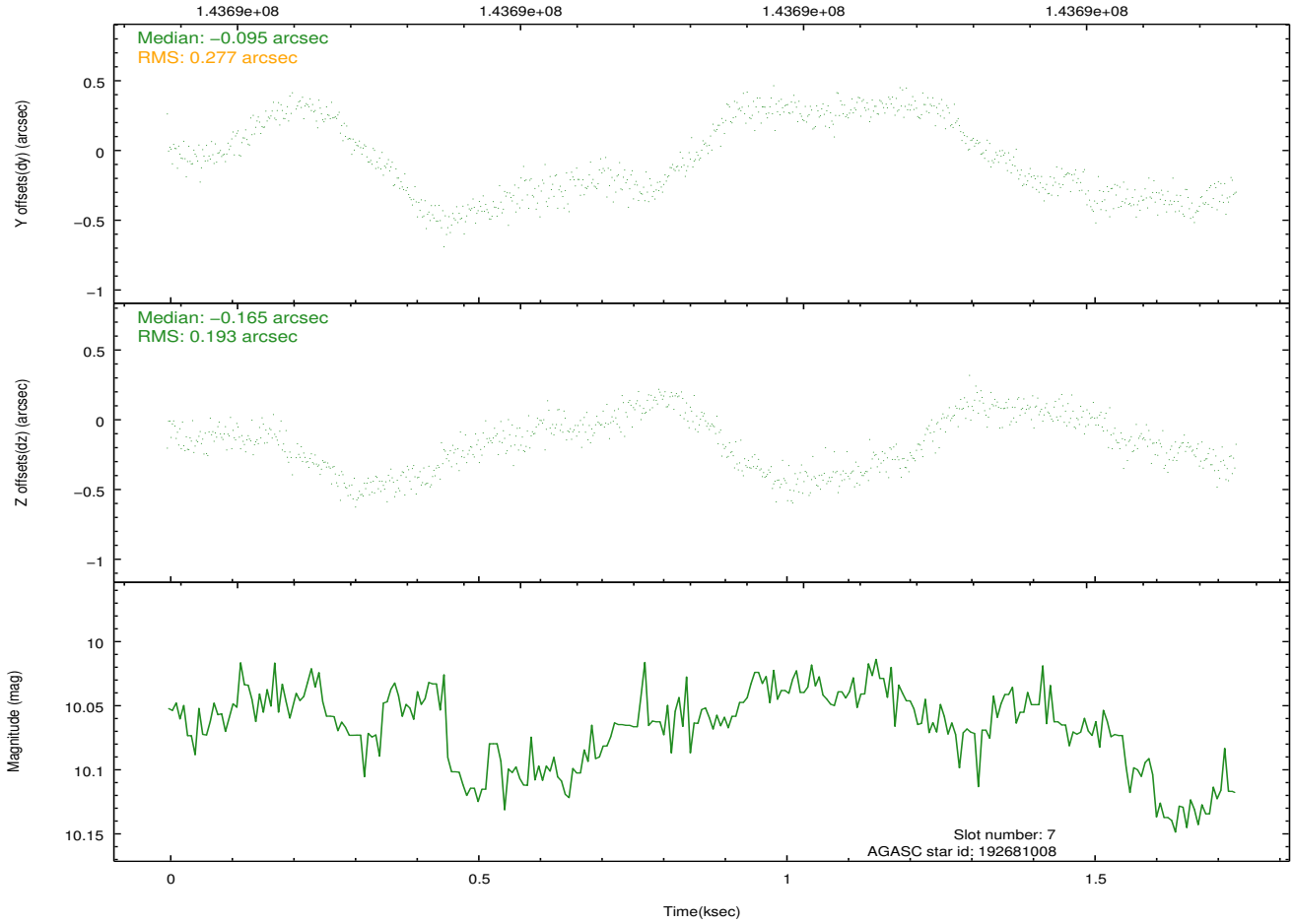
## 2.4.4 Slot 6



## 2.4.5 Slot 7

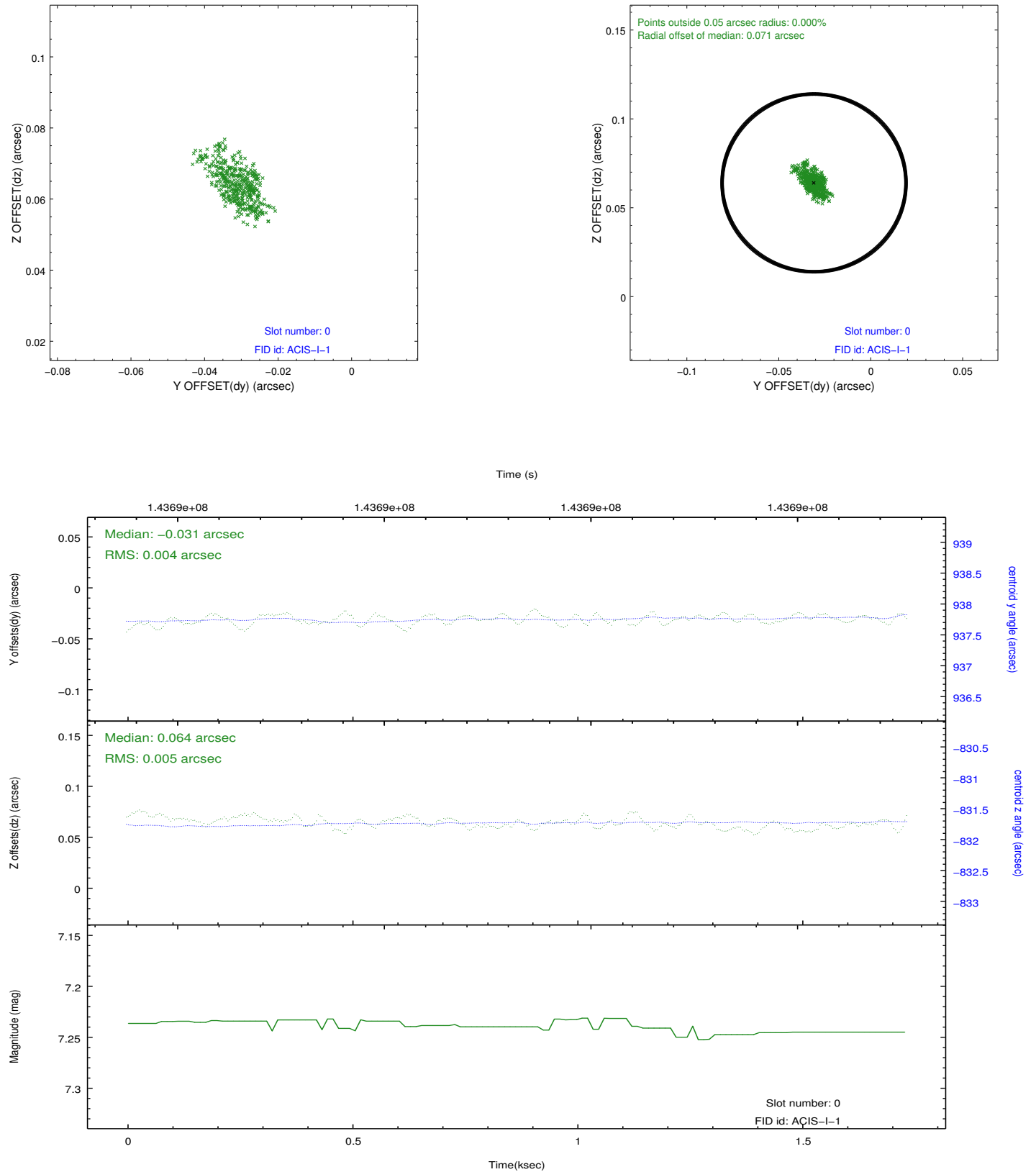


Time (s)

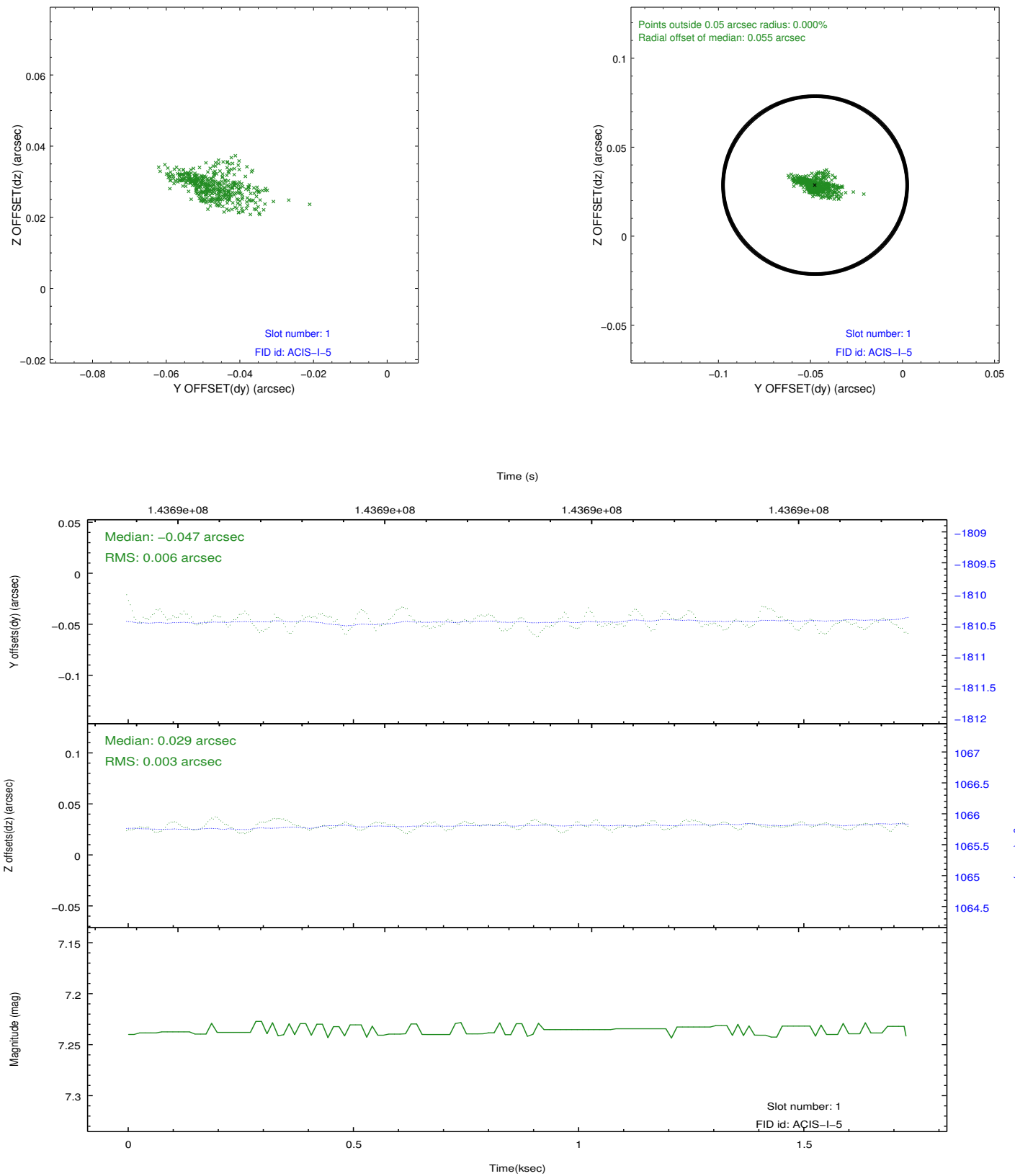


## 2.5 FID Slots

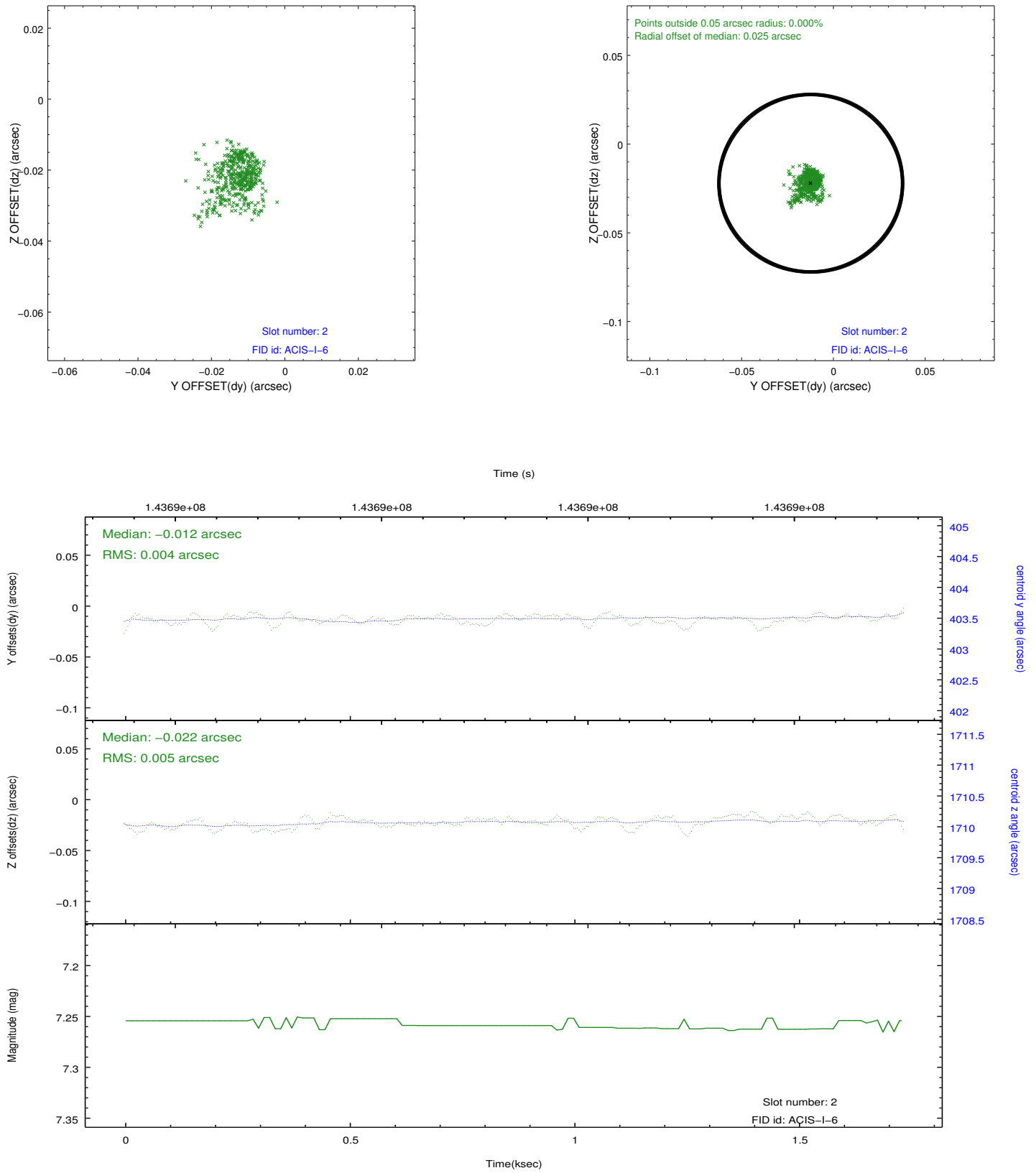
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.308

### A.2 Comments