

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 7124 - L2 Version 2  
Chandra X-Ray Center

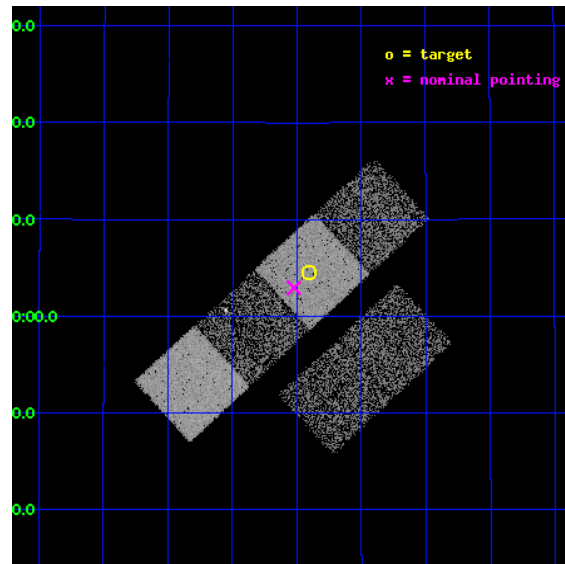
L2 Processing Date : Mar 24 2012

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# 1 Front

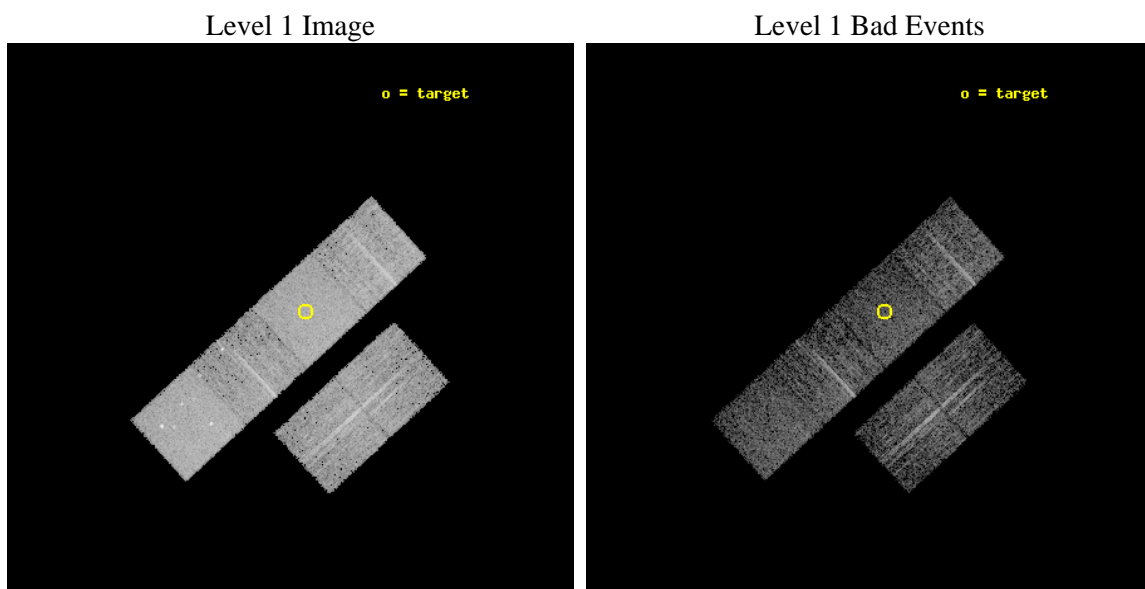
seq_num	600562	Sequence number
obs_id	7124	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 7741	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	355.976667	Observer's specified target RA [deg]
dec_targ	26.075611	Observer's specified target Dec [deg]
ra_nom	356.00592989404	Nominal RA [deg]
dec_nom	26.049011323467	Nominal Dec [deg]
roll_nom	317.3167044324	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3586.4497958124	Sum of GTIs [s]
livetime	3541.036008997	Livetime [s]
ontime2	3586.4908358157	Sum of GTIs [s]
ontime3	3586.3266758025	Sum of GTIs [s]
ontime5	3586.4087558091	Sum of GTIs [s]
ontime6	3586.3677158058	Sum of GTIs [s]
ontime7	3586.4497958124	Sum of GTIs [s]
ontime8	3586.285635829	Sum of GTIs [s]
l2events	49322	Number of level 2 events



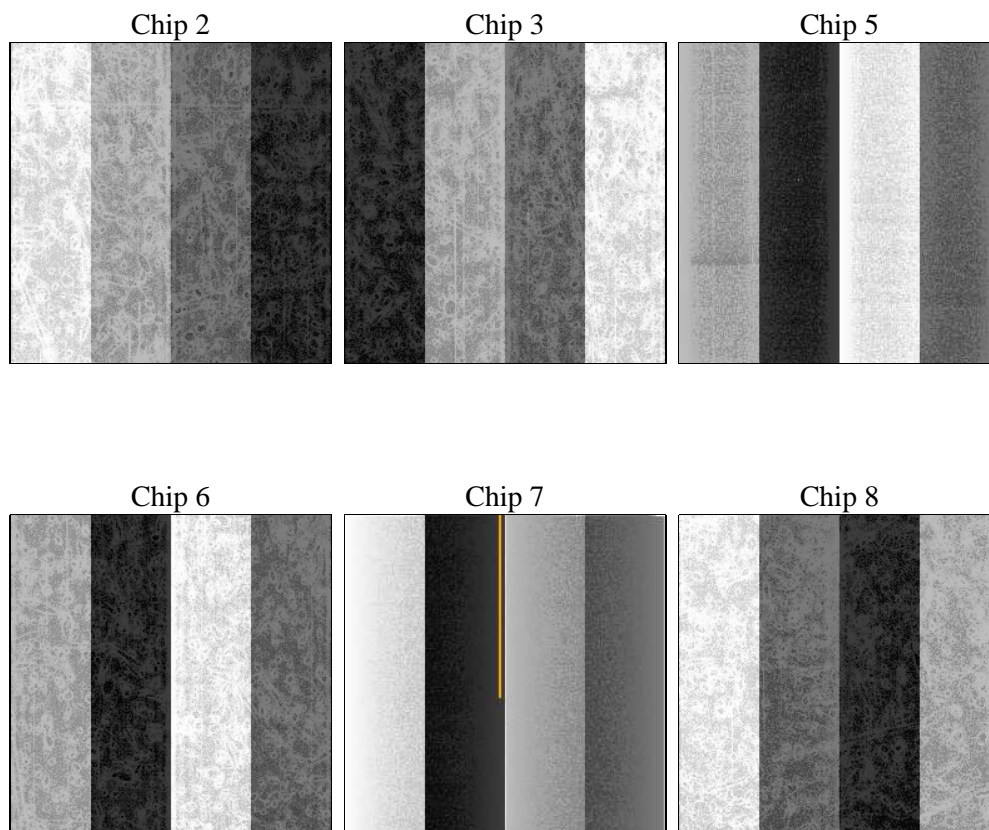
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3630.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	3586.4497958124	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime2	3586.4908358157	Sum of GTIs [s]
date	2012-03-25T01:34:01	Date and time of file creation	ontime3	3586.3266758025	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3586.4087558091	Sum of GTIs [s]
			ontime6	3586.3677158058	Sum of GTIs [s]
			ontime7	3586.4497958124	Sum of GTIs [s]
			ontime8	3586.285635829	Sum of GTIs [s]
			l1events	215093	Number of level 1 events

### 2.1.4 Events

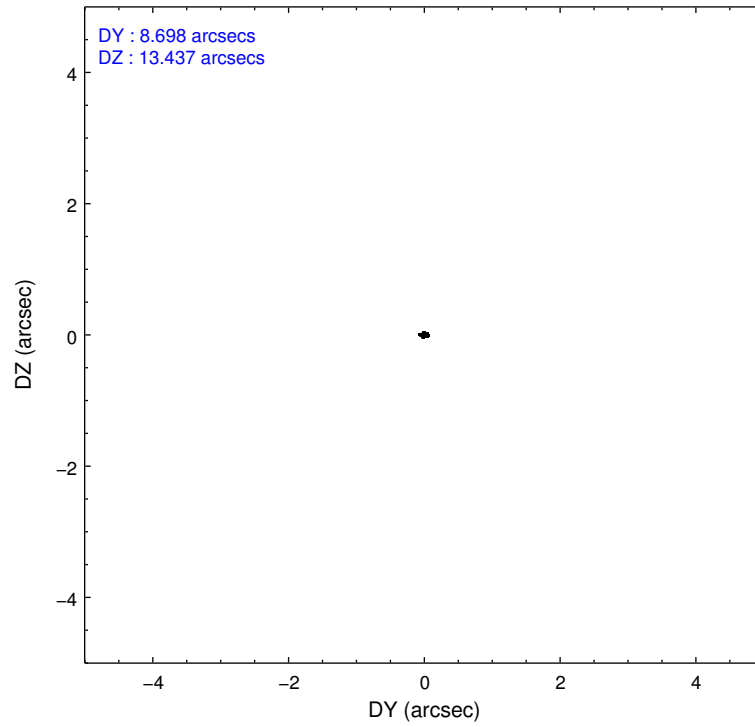
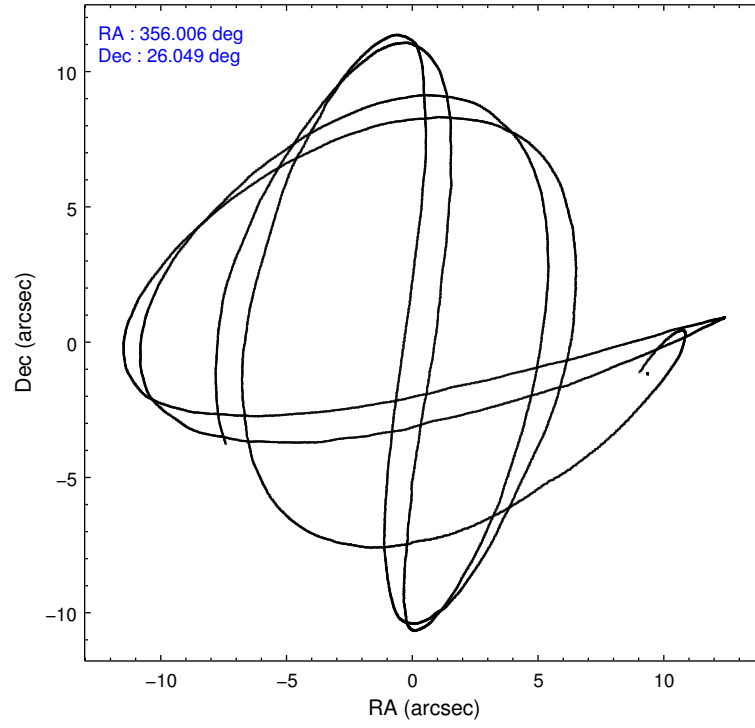
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	30074	28568	45742	31011	40700	38998	grade 0 events	1654	1531	2552	1619	1493	2728
rejected events	26488	25067	24501	27186	23774	30585		5%	5%	5%	5%	3%	6%
rejected %	88%	87%	53%	87%	58%	78%	grade 1 events	20	14	74	13	28	33
								0%	0%	0%	0%	0%	0%
							grade 2 events	719	679	6306	751	3365	1877
								2%	2%	13%	2%	8%	4%
							grade 3 events	349	341	823	341	1463	900
								1%	1%	1%	1%	3%	2%
							grade 4 events	301	351	775	333	1427	860
								1%	1%	1%	1%	3%	2%
							grade 5 events	1153	1391	3314	1423	3979	1815
								3%	4%	7%	4%	9%	4%
							grade 6 events	563	602	10804	785	9197	2053
								1%	2%	23%	2%	22%	5%
							grade 7 events	25315	23659	21094	25746	19748	28732
								84%	82%	46%	83%	48%	73%

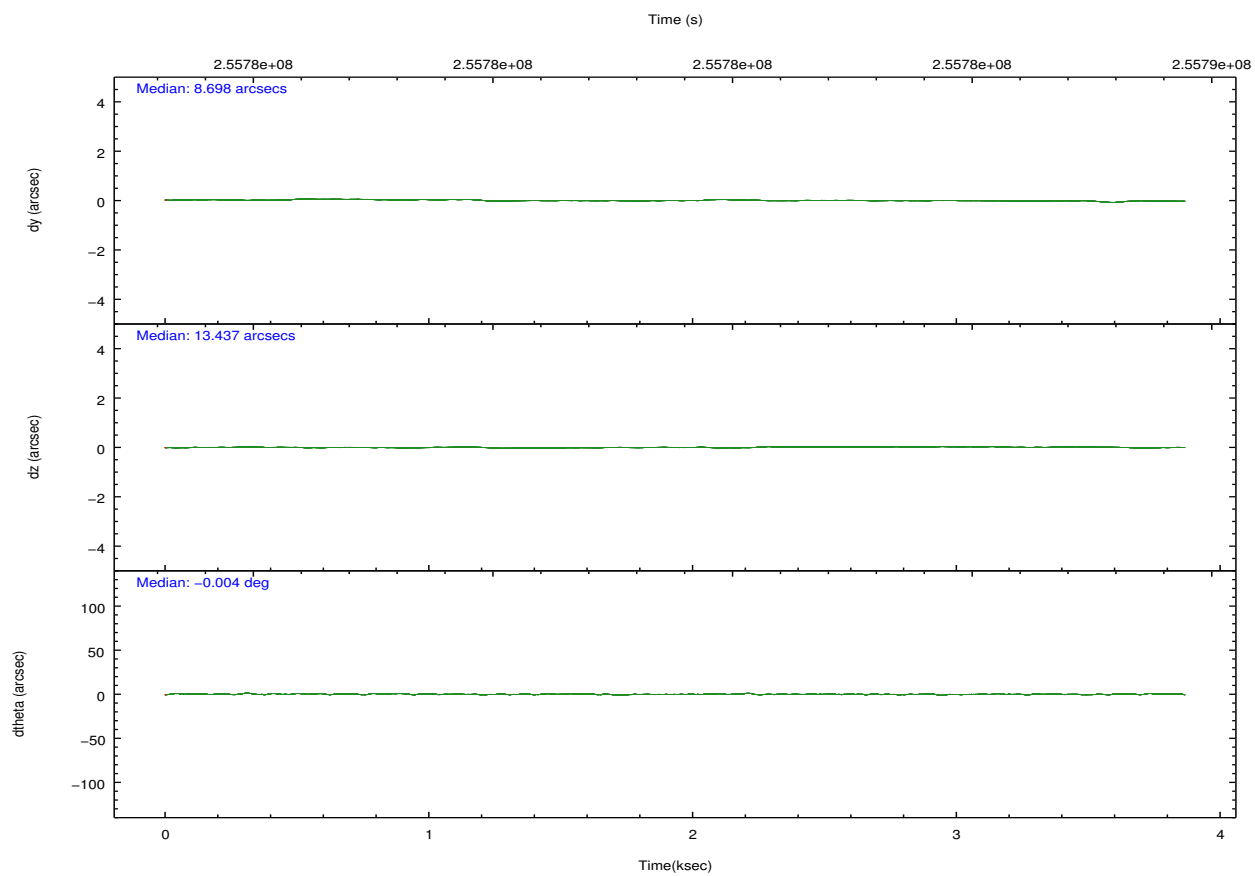
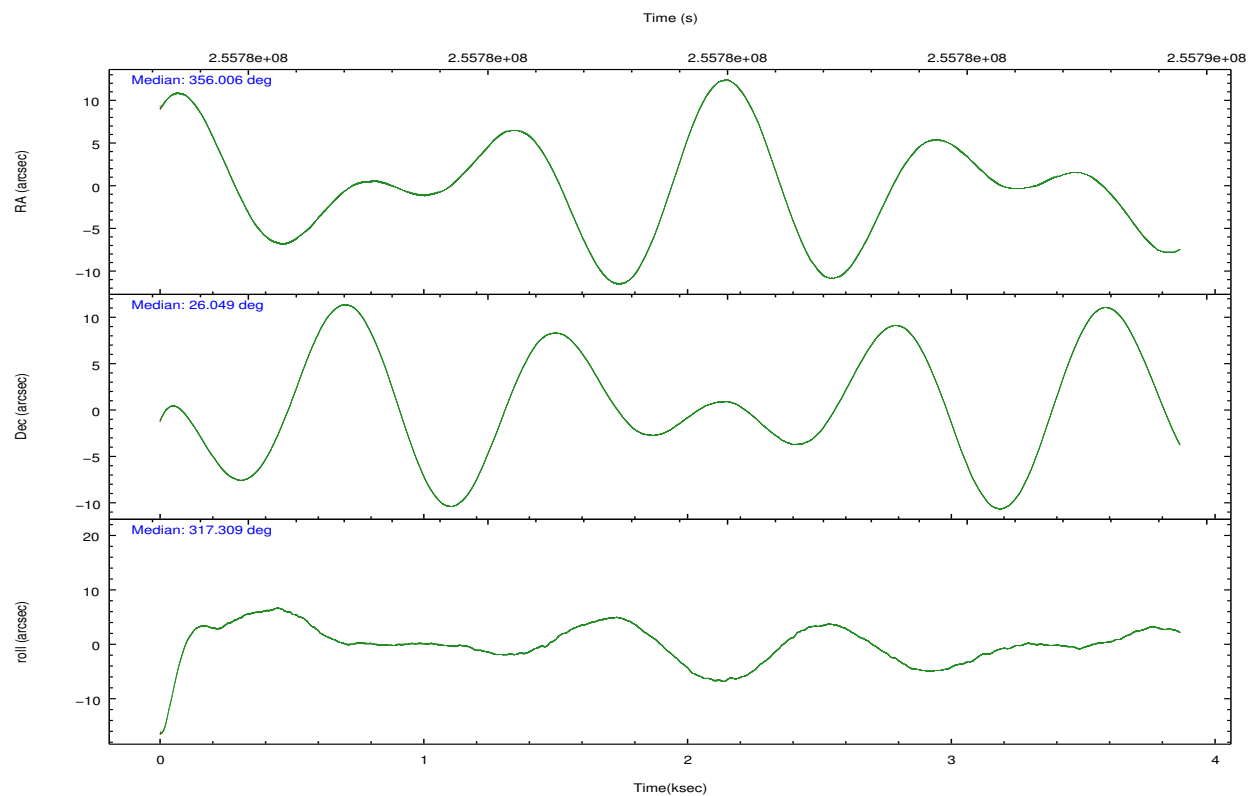


## 2.2 Compared Parameters

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	355.976246	356.0059298940373	Subarray requested	NONE	NONE
[deg] Pointing Dec	26.054597	26.04901132346725	Alternating exposures requested	N	N
[deg] Pointing Roll	317.173166	317.3167044324034	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	255782062.184000	255781075.20738			
Observation start date	2006-02-08T10:33:17	2006-02-08T10:17:55			
[s] Observation end time (MET)	255785692.184000	255786870.55765			
Observation end date	2006-02-08T11:33:47	2006-02-08T11:54:30			
Read mode	TIMED	TIMED			

## 2.3 Aspect



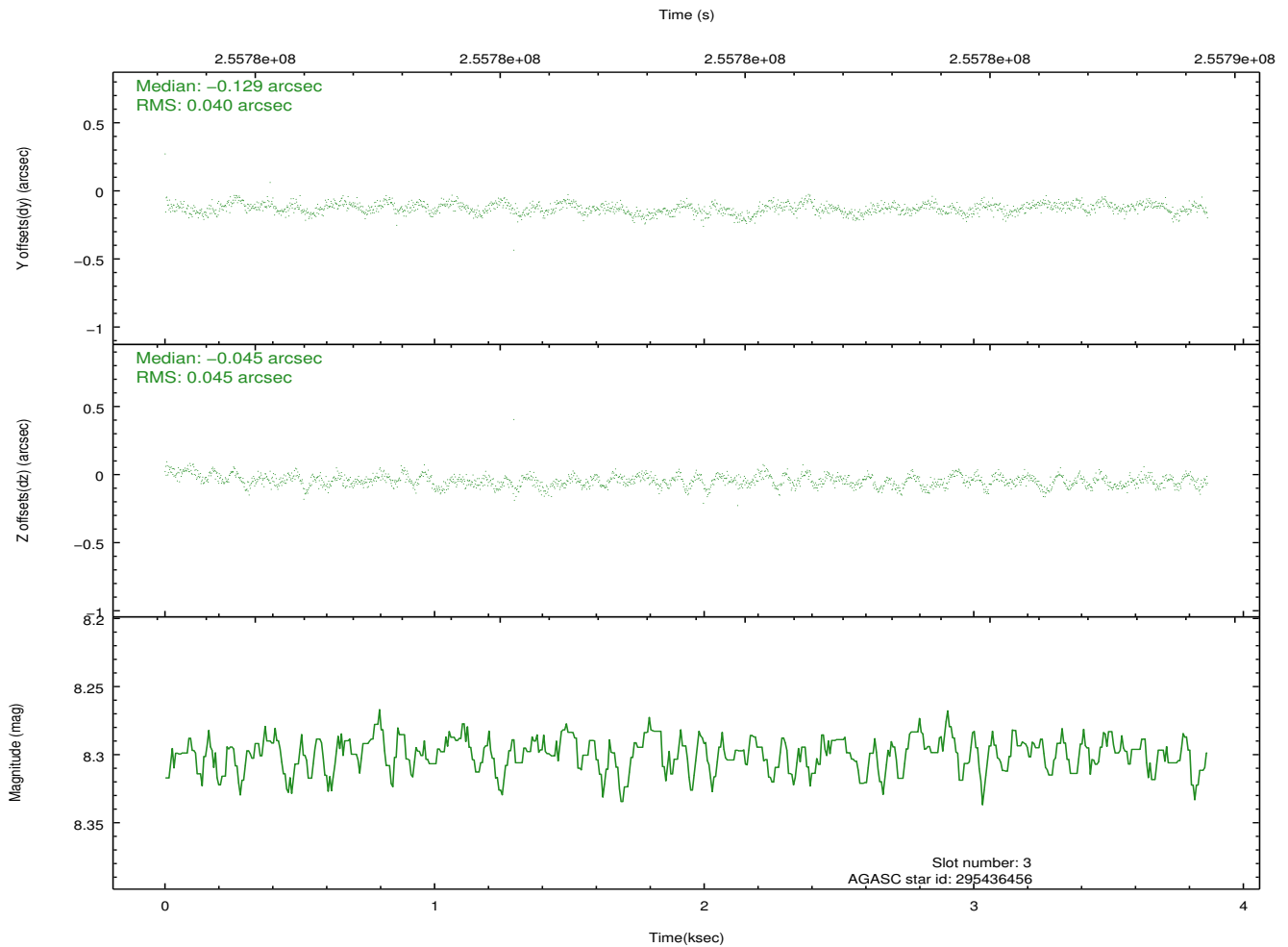
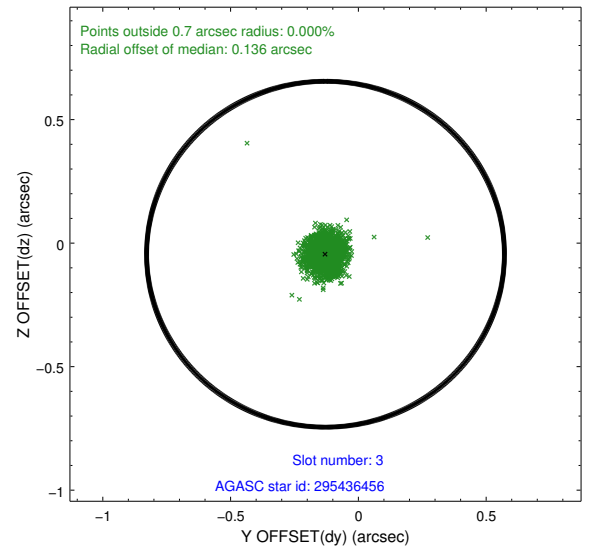
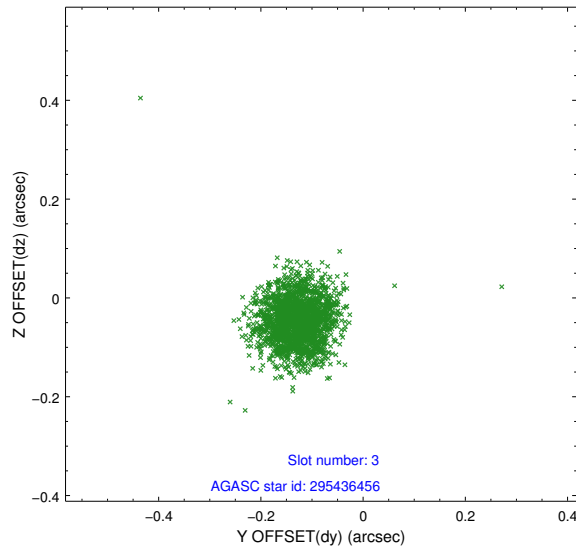


### Slot Statistics

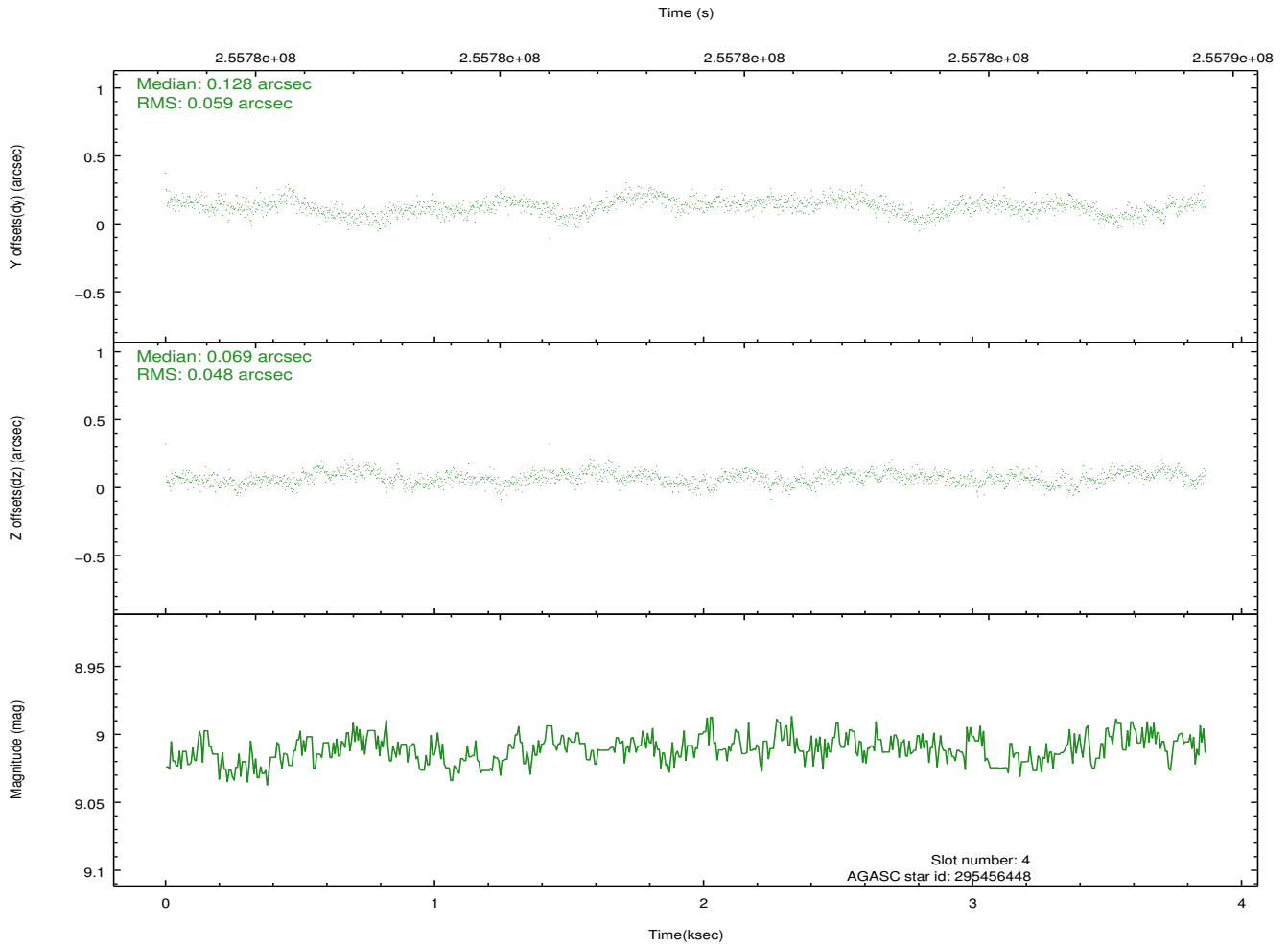
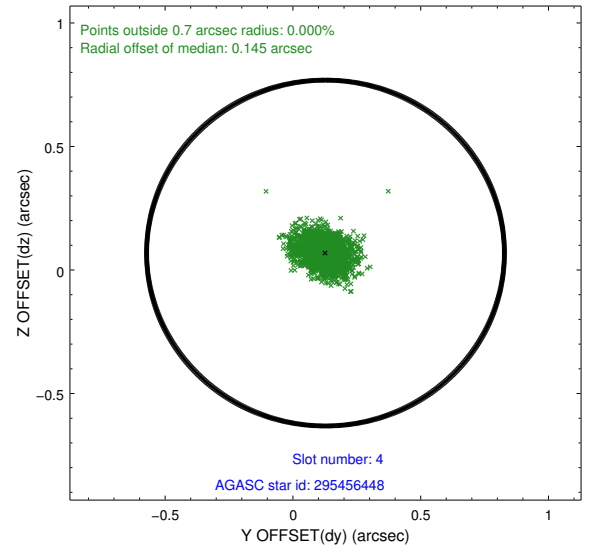
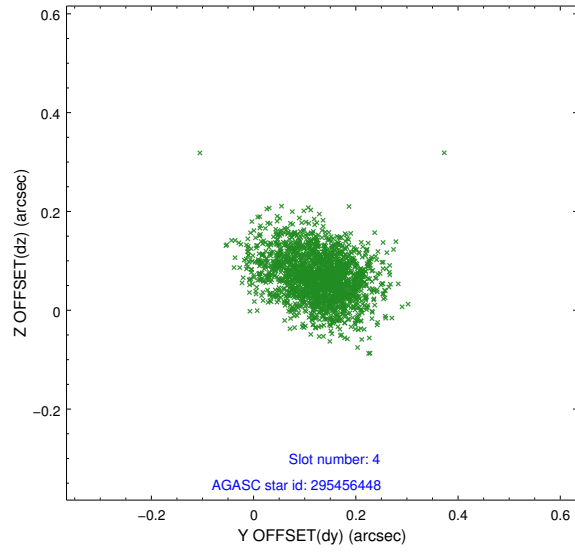
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	943	-0.015	-0.057	0.007	0.013	0.000000	0.000000	-761.53	-1734.83
1	FID	ACIS-S-4	7.20	943	0.132	0.023	0.006	0.017	0.000000	0.000000	2151.17	172.04
2	FID	ACIS-S-5	7.23	943	-0.148	0.043	0.007	0.013	0.000000	0.000000	-1812.41	167.60
3	GUIDE	295436456	8.30	1885	-0.129	-0.045	0.062	0.098	355.514862	25.885566	-683.78	-1460.52
4	GUIDE	295456448	9.01	1887	0.128	0.069	0.079	0.134	356.366997	25.671820	1865.49	-148.08
5	GUIDE	295456832	5.83	1886	-0.079	-0.193	0.056	0.090	356.846635	26.131268	1870.11	2121.31
6	GUIDE	295457488	9.42	1887	0.095	0.029	0.111	0.178	356.396109	25.471925	2426.82	-607.89
7	GUIDE	295454000	7.54	1885	-0.004	0.141	0.088	0.133	356.442547	26.335482	415.51	1765.71

## 2.4 Star Slots

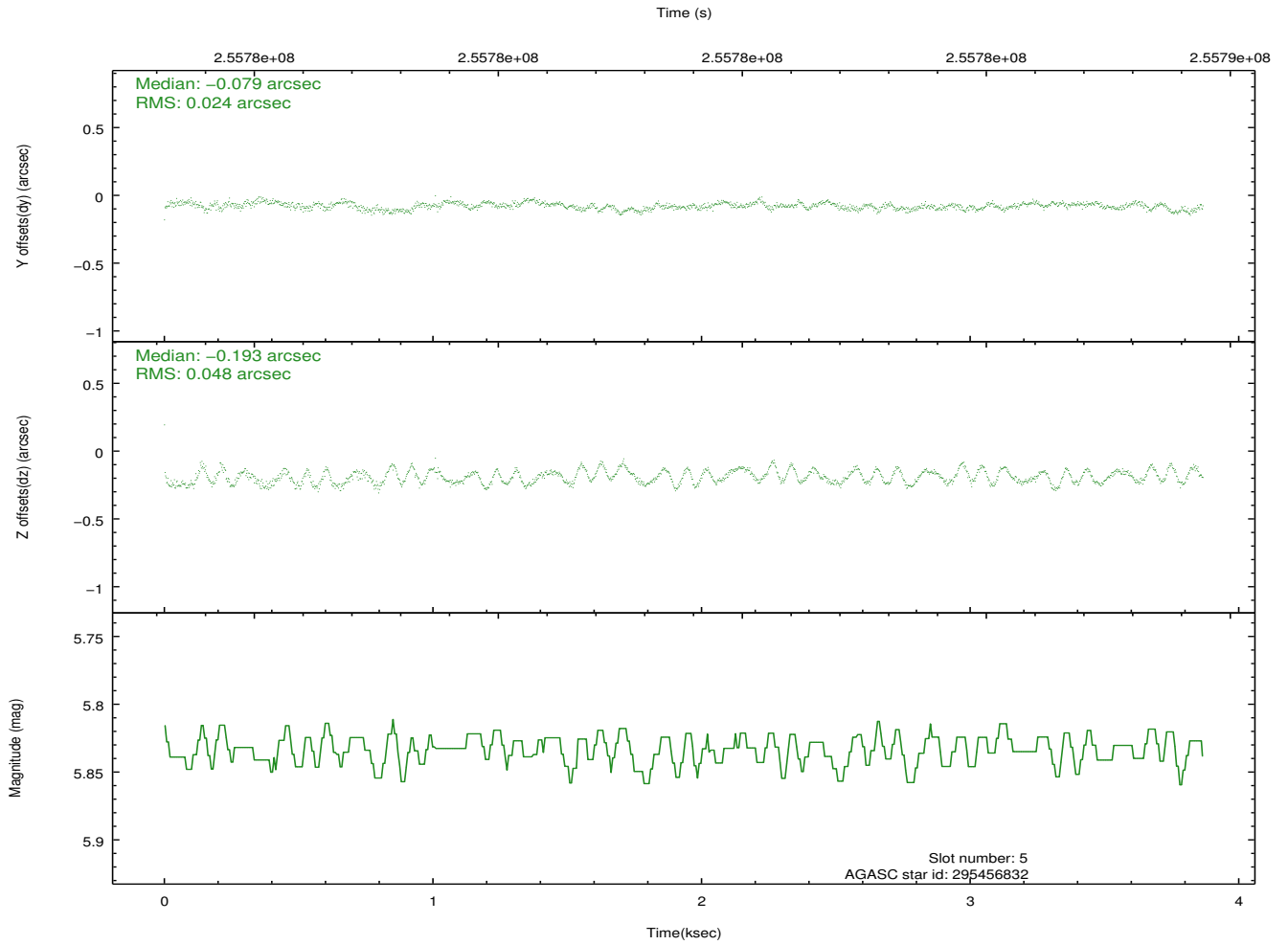
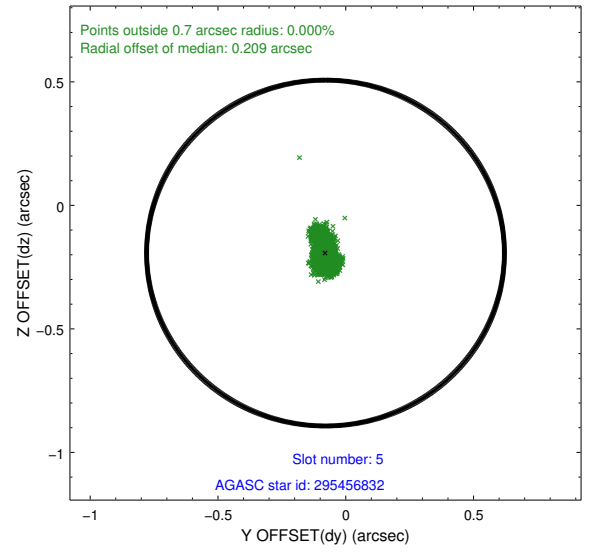
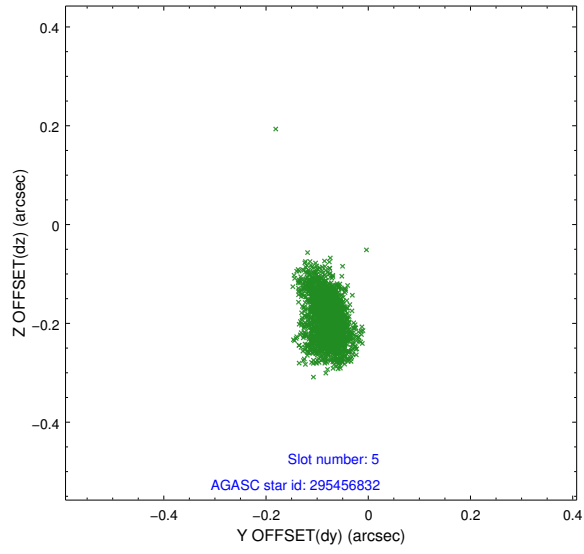
### 2.4.1 Slot 3



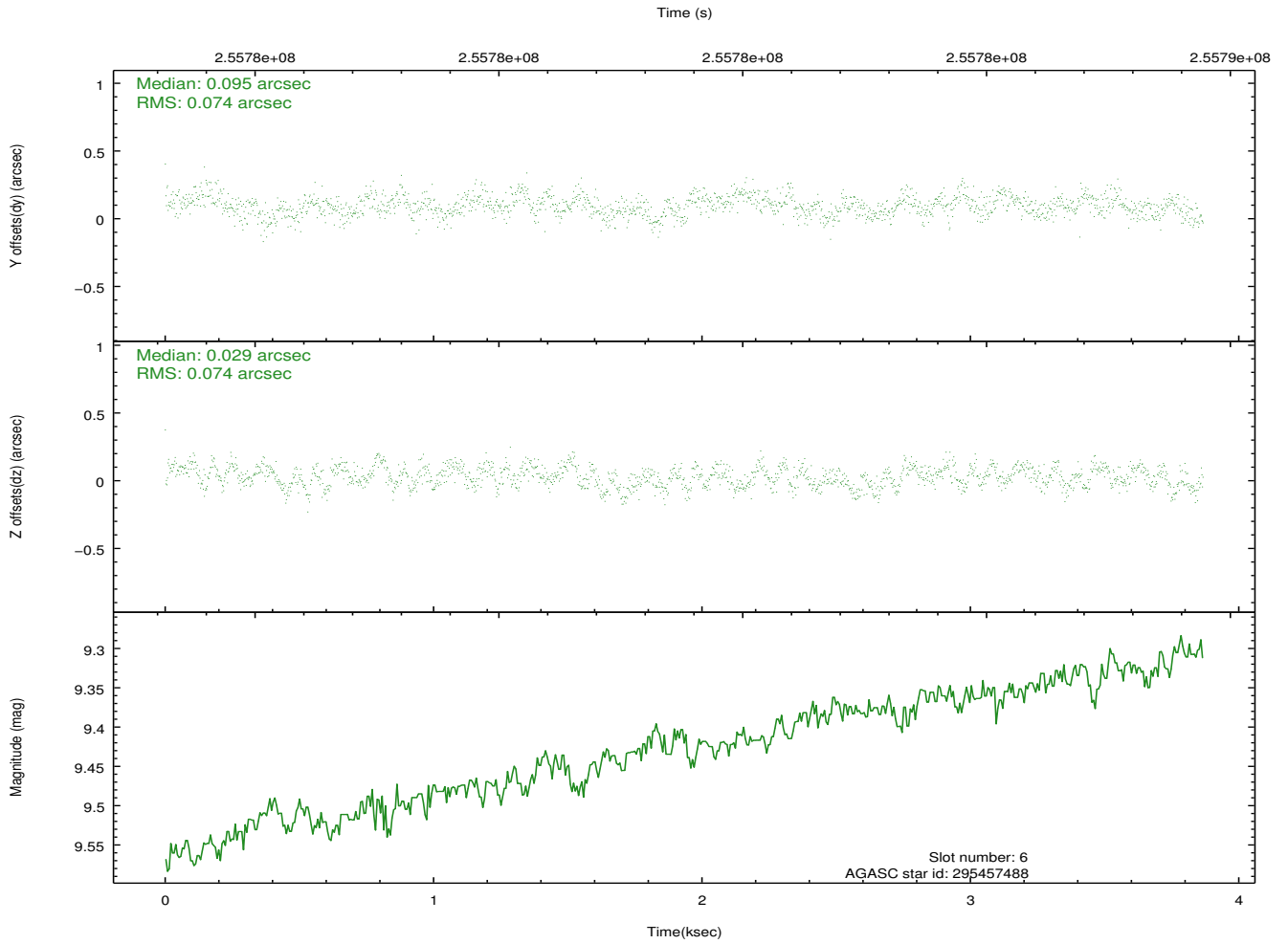
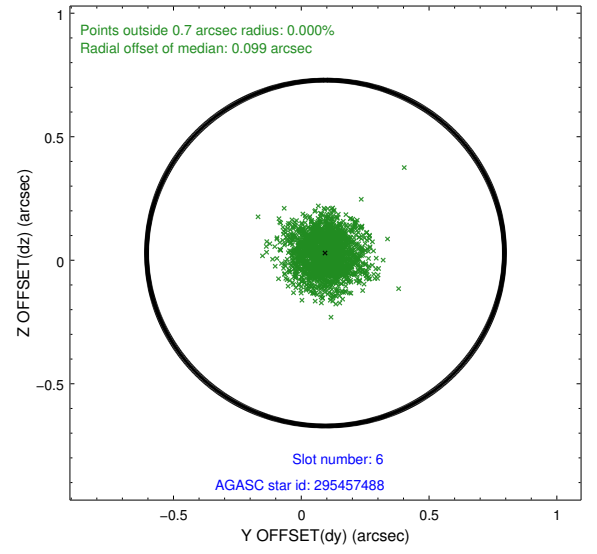
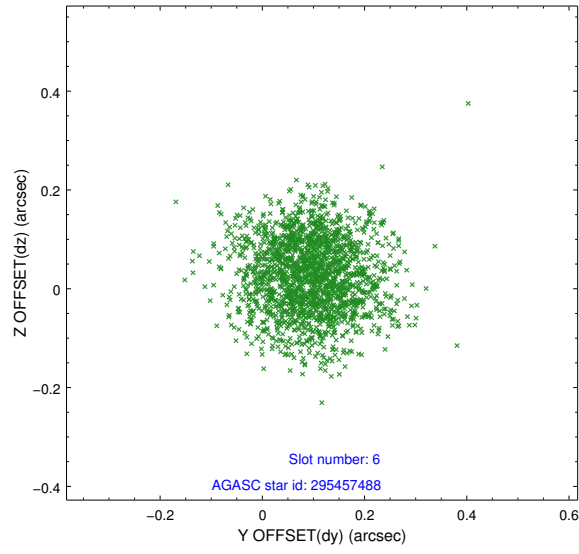
## 2.4.2 Slot 4



### 2.4.3 Slot 5

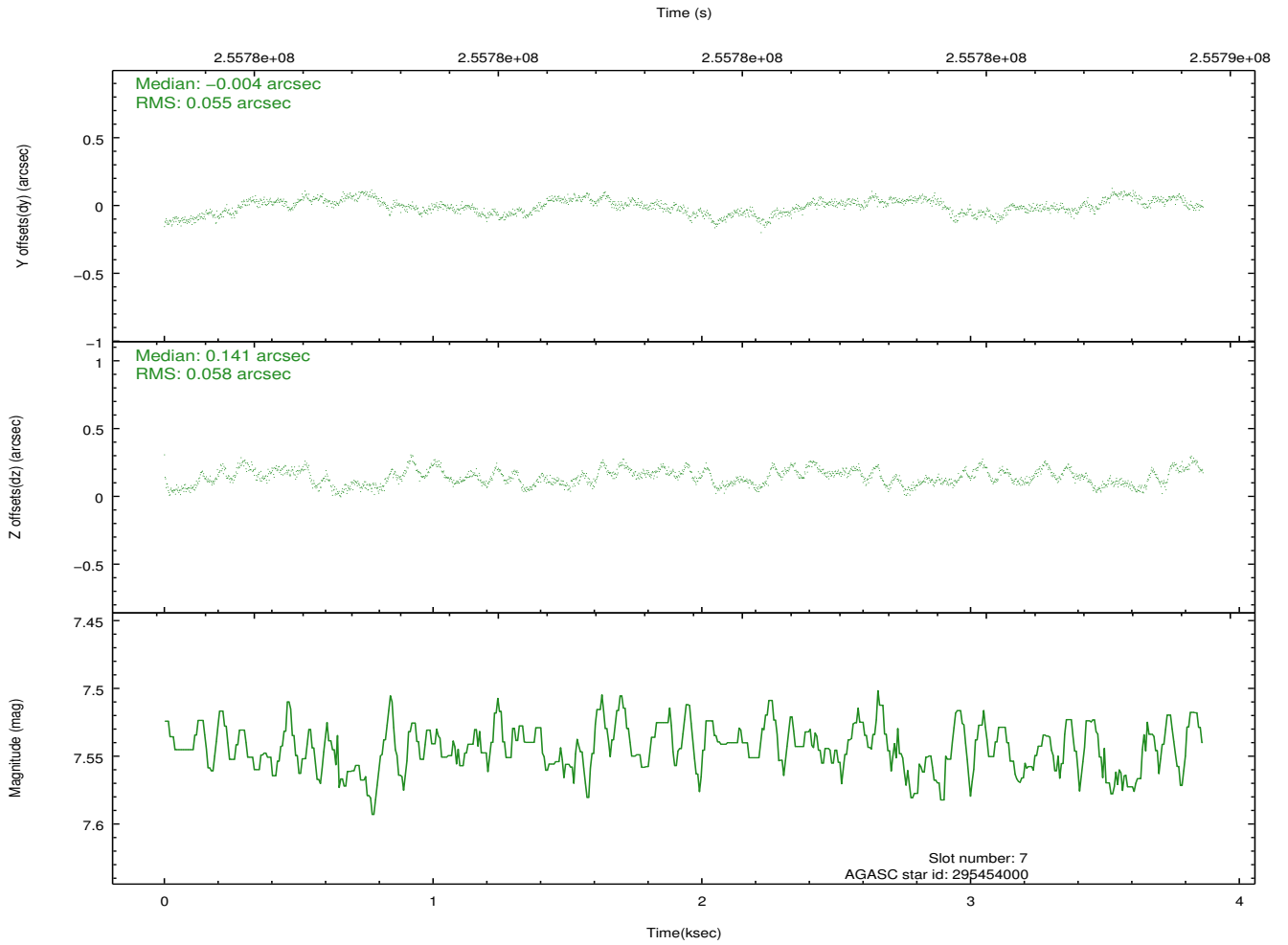
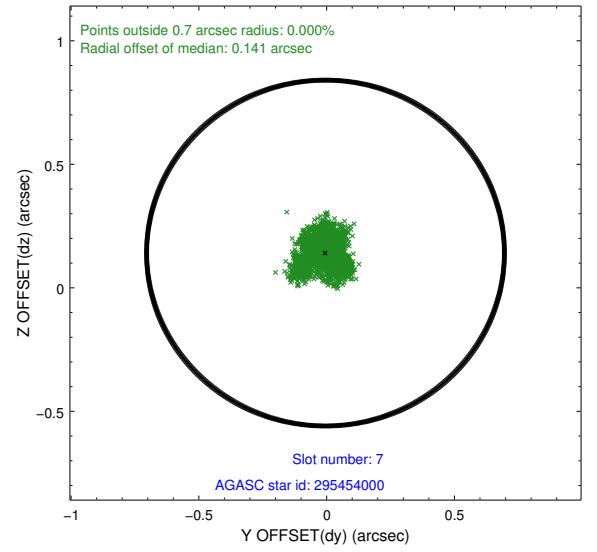
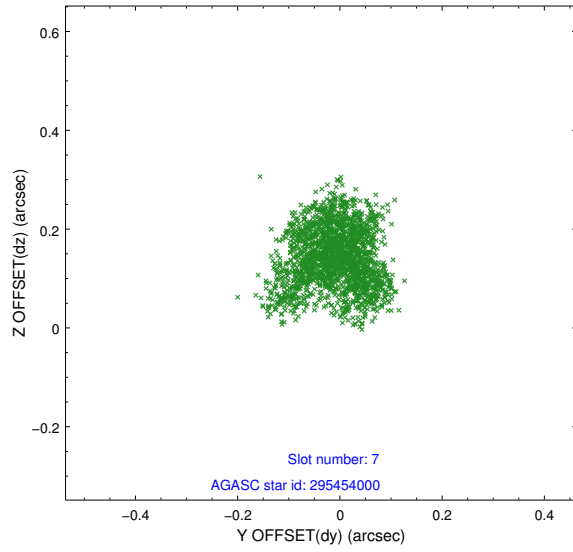


## 2.4.4 Slot 6



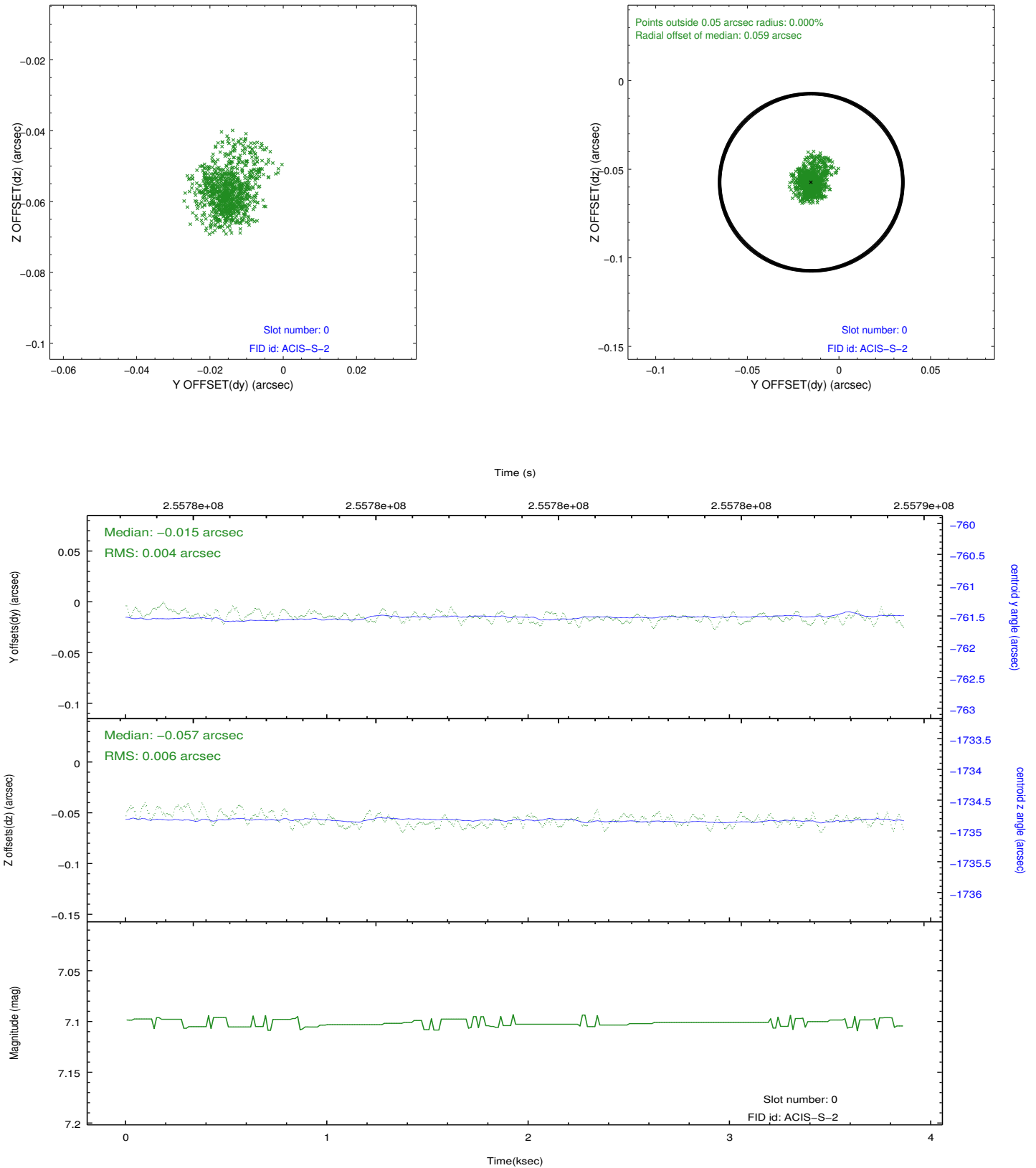


## 2.4.5 Slot 7

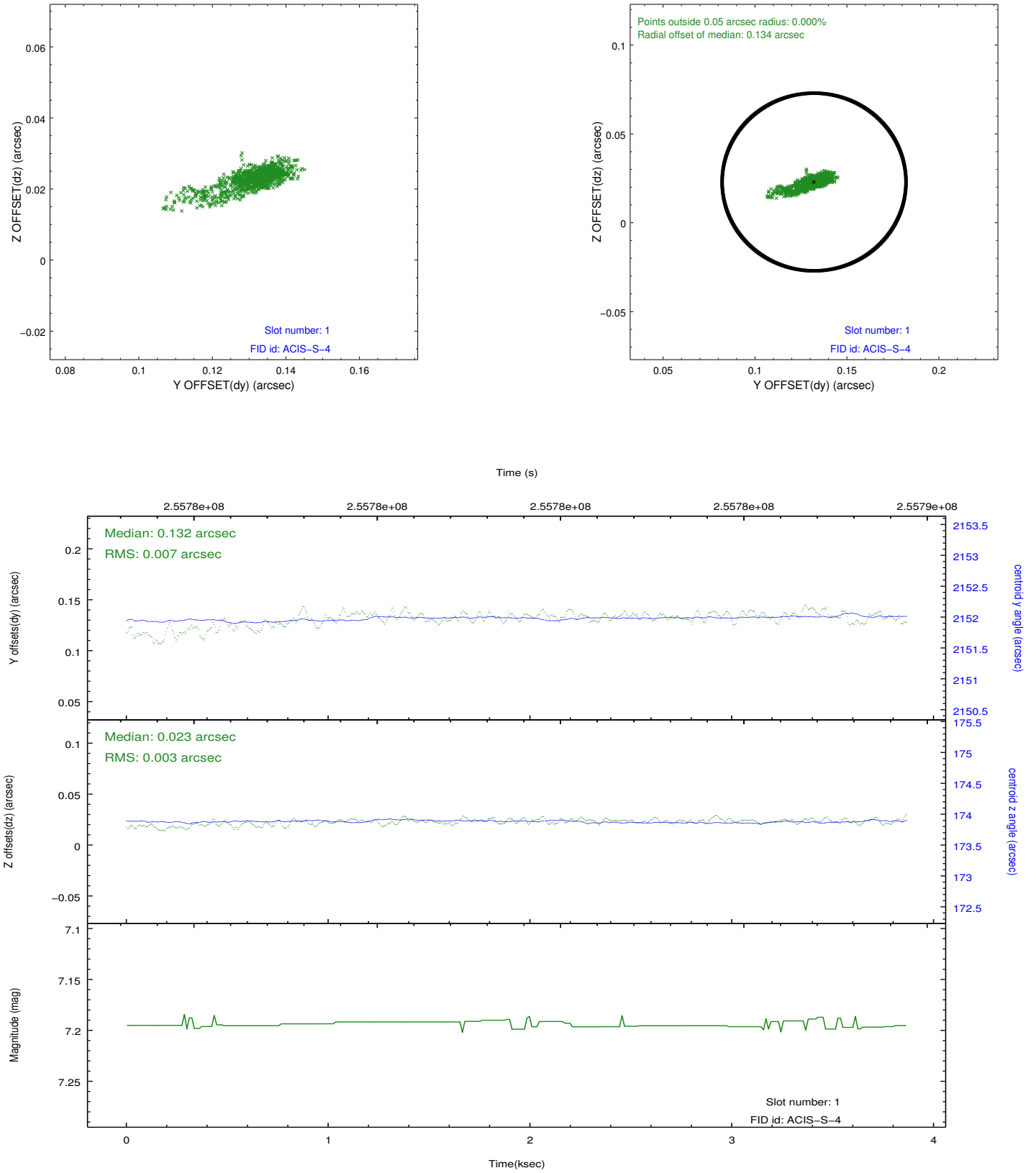


## 2.5 FID Slots

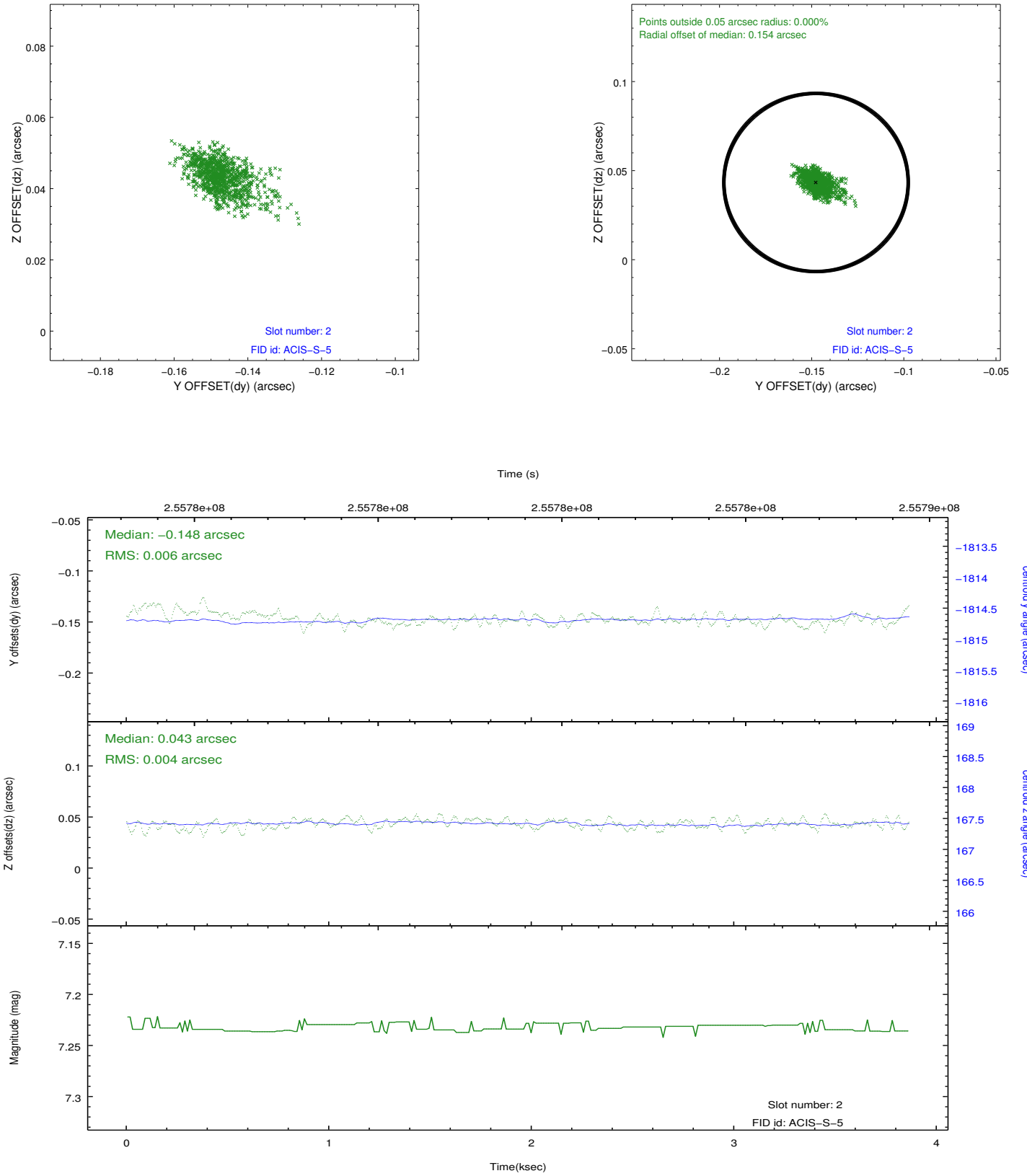
### 2.5.1 Slot 0



## 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)	2012.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.58719998

### A.2 Comments