

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11697 - L2 Version 2  
Chandra X-Ray Center

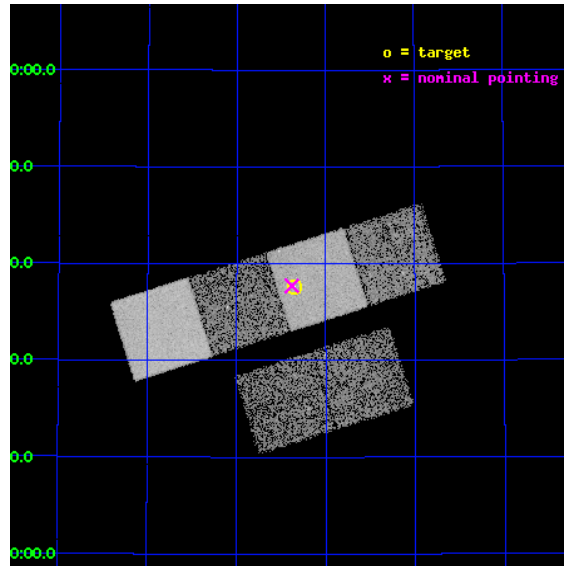
L2 Processing Date : Jul 4 2012

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# 1 Front

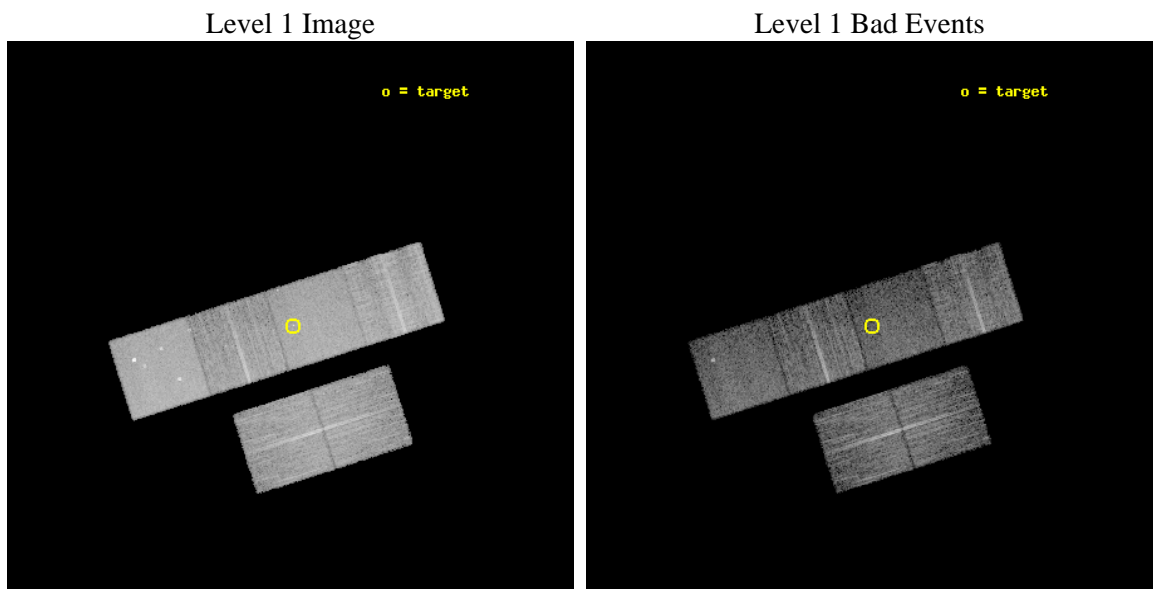
seq_num	702282	Sequence number
obs_id	11697	Observation id
title	After the Fall: Fading AGN in Post-starburst Galaxies	Proposal tit
observer	Dr. Christy Tremonti	Principal investigator
object	SDSS J135920.99+513738.9	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	209.8375	Observer's specified target RA [deg]
dec_targ	51.627472	Observer's specified target Dec [deg]
ra_nom	209.84501307892	Nominal RA [deg]
dec_nom	51.628646151223	Nominal Dec [deg]
roll_nom	342.45065990999	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8319.9999690652	Sum of GTIs [s]
livetime	8214.6471197544	Livetime [s]
ontime2	8313.5179985762	Sum of GTIs [s]
ontime3	8319.9999690652	Sum of GTIs [s]
ontime5	8319.9999690652	Sum of GTIs [s]
ontime6	8319.9999690652	Sum of GTIs [s]
ontime7	8319.9999690652	Sum of GTIs [s]
ontime8	8319.9999690652	Sum of GTIs [s]
l2events	100877	Number of level 2 events



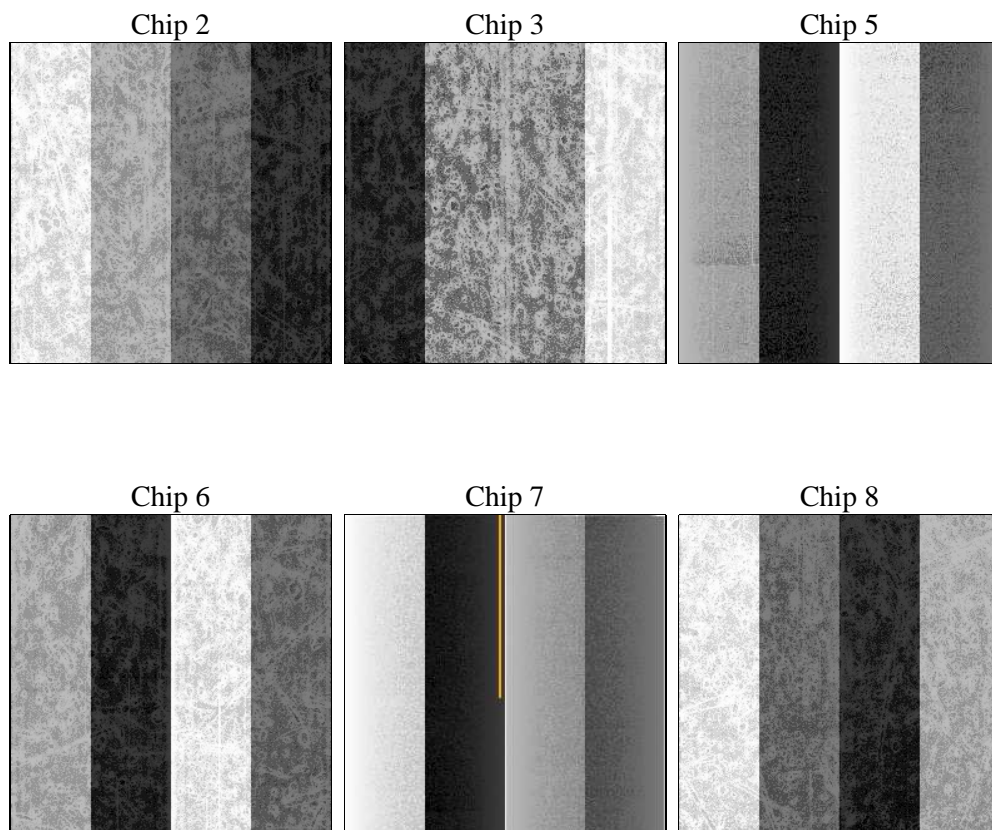
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	8270.899000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8319.9999690652	Sum of GTIs [s]
caldbver	4.5.0	&#160	ontime2	8313.5179985762	Sum of GTIs [s]
date	2012-07-04T16:01:38	Date and time of file creation	ontime3	8319.9999690652	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	8319.9999690652	Sum of GTIs [s]
			ontime6	8319.9999690652	Sum of GTIs [s]
			ontime7	8319.9999690652	Sum of GTIs [s]
			ontime8	8319.9999690652	Sum of GTIs [s]
			l1events	438371	Number of level 1 events

### 2.1.4 Events

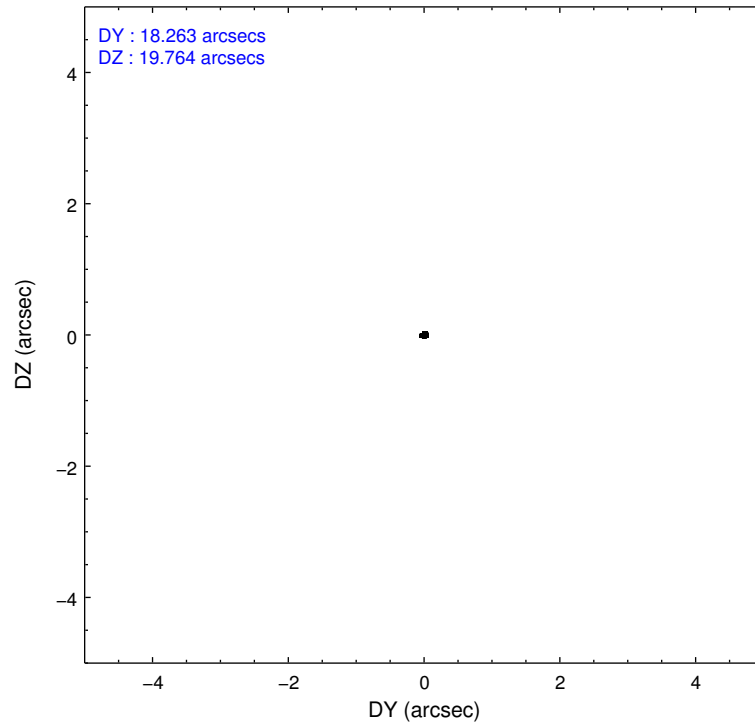
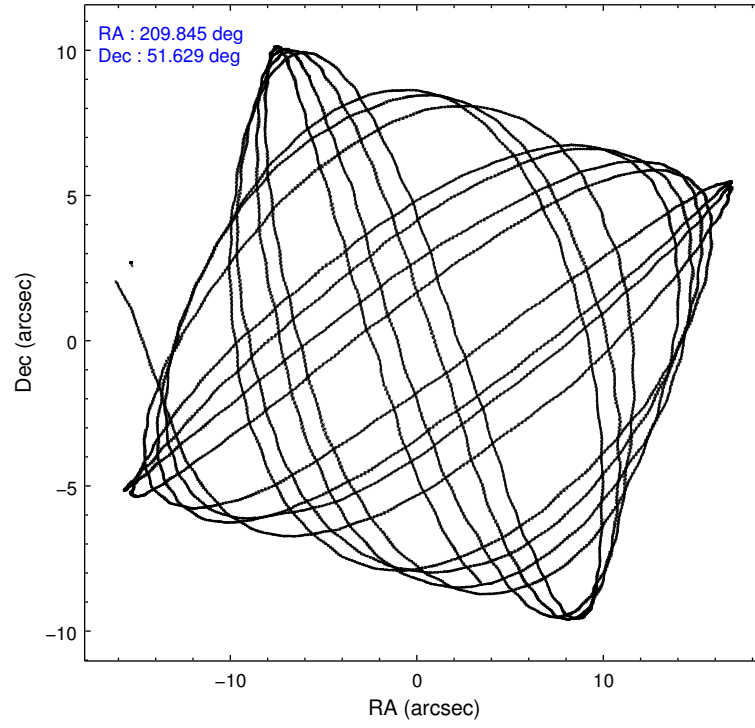
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	64910	59950	95274	60243	75246	82748	grade 0 events	2369	2160	5494	2408	3232	6677
rejected events	58437	53847	47417	53277	41294	60549		3%	3%	5%	3%	4%	8%
rejected %	90%	89%	49%	88%	54%	73%	grade 1 events	43	35	357	24	119	59
								0%	0%	0%	0%	0%	0%
							grade 2 events	1609	1414	14469	1532	6963	5017
								2%	2%	15%	2%	9%	6%
							grade 3 events	655	655	1835	753	2996	2354
								1%	1%	1%	1%	3%	2%
							grade 4 events	621	657	1813	732	3004	2188
								0%	1%	1%	1%	3%	2%
							grade 5 events	2357	2805	7430	2701	7926	4062
								3%	4%	7%	4%	10%	4%
							grade 6 events	1222	1220	24282	1547	17787	5970
								1%	2%	25%	2%	23%	7%
							grade 7 events	56034	51004	39594	50546	33219	56421
								86%	85%	41%	83%	44%	68%

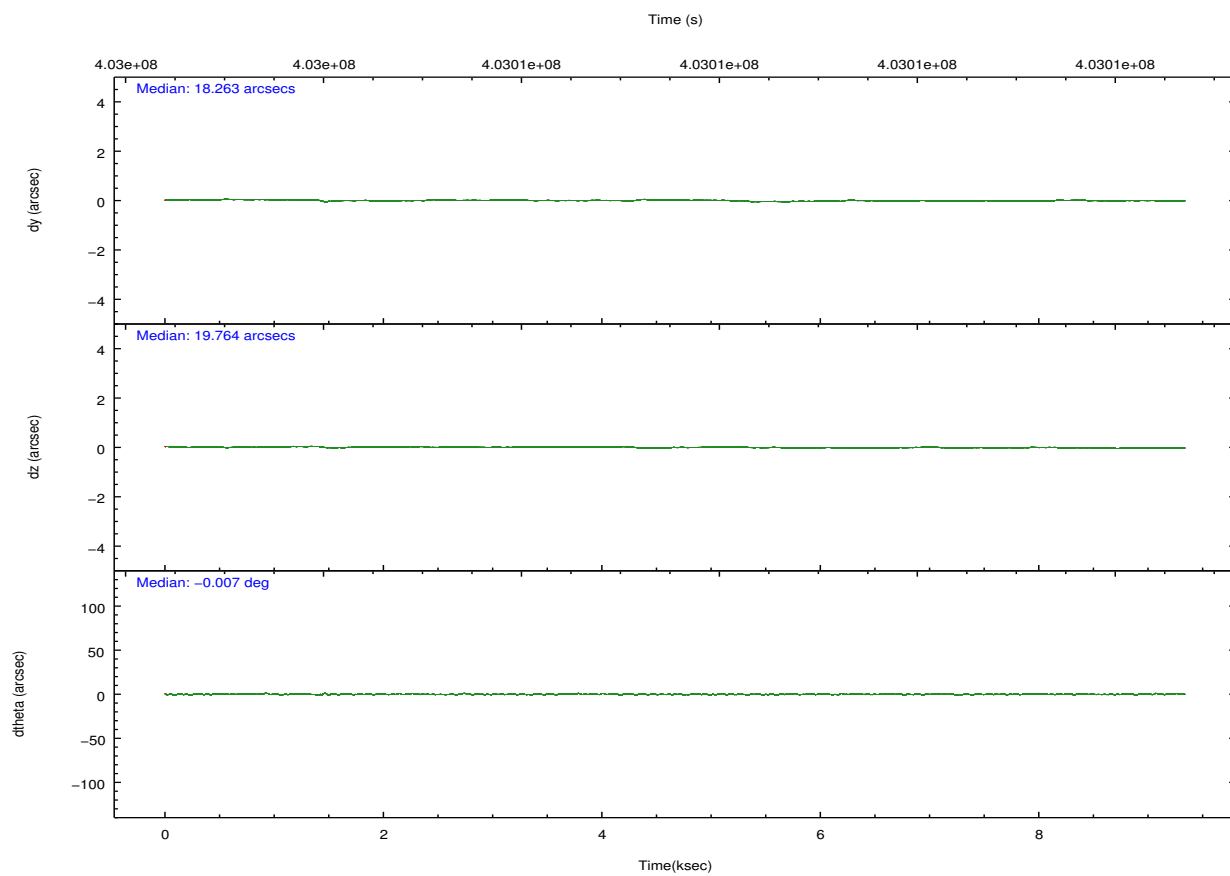
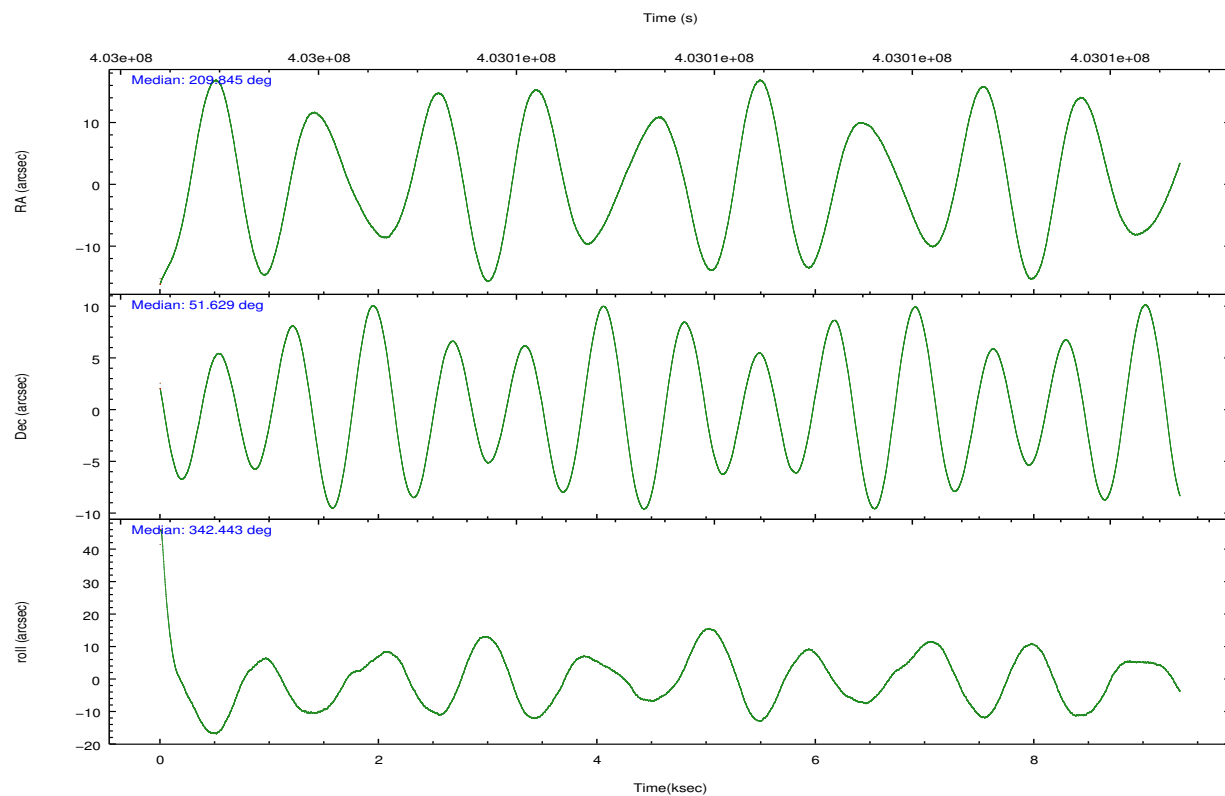


## 2.2 Compared Parameters

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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	209.802213	209.8450130789209	CCD I2 on	O1	Y
[deg] Pointing Dec	51.622388	51.62864615122276	CCD I3 on	O2	Y
[deg] Pointing Roll	342.327536	342.4506599099865	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O4	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	O3	Y
[s] Observation start time (MET)	403003946.184000	403002502.52532	CCD S5 on	N	N
Observation start date	2010-10-09T09:31:20	2010-10-09T09:08:22	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	403012217.184000	403012445.53833	On-chip summing requested	N	N
Observation end date	2010-10-09T11:49:11	2010-10-09T11:54:05	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect



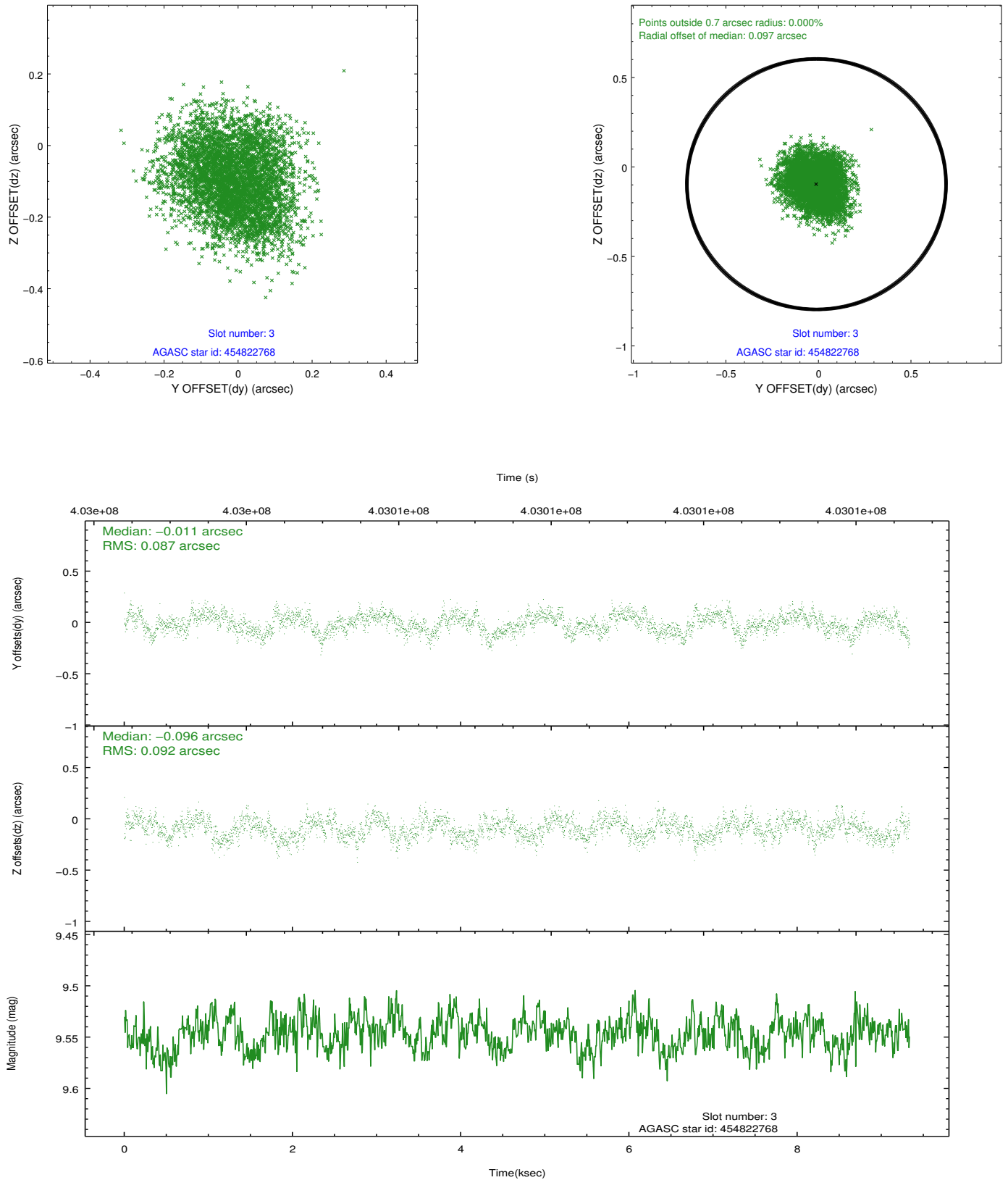


### Slot Statistics

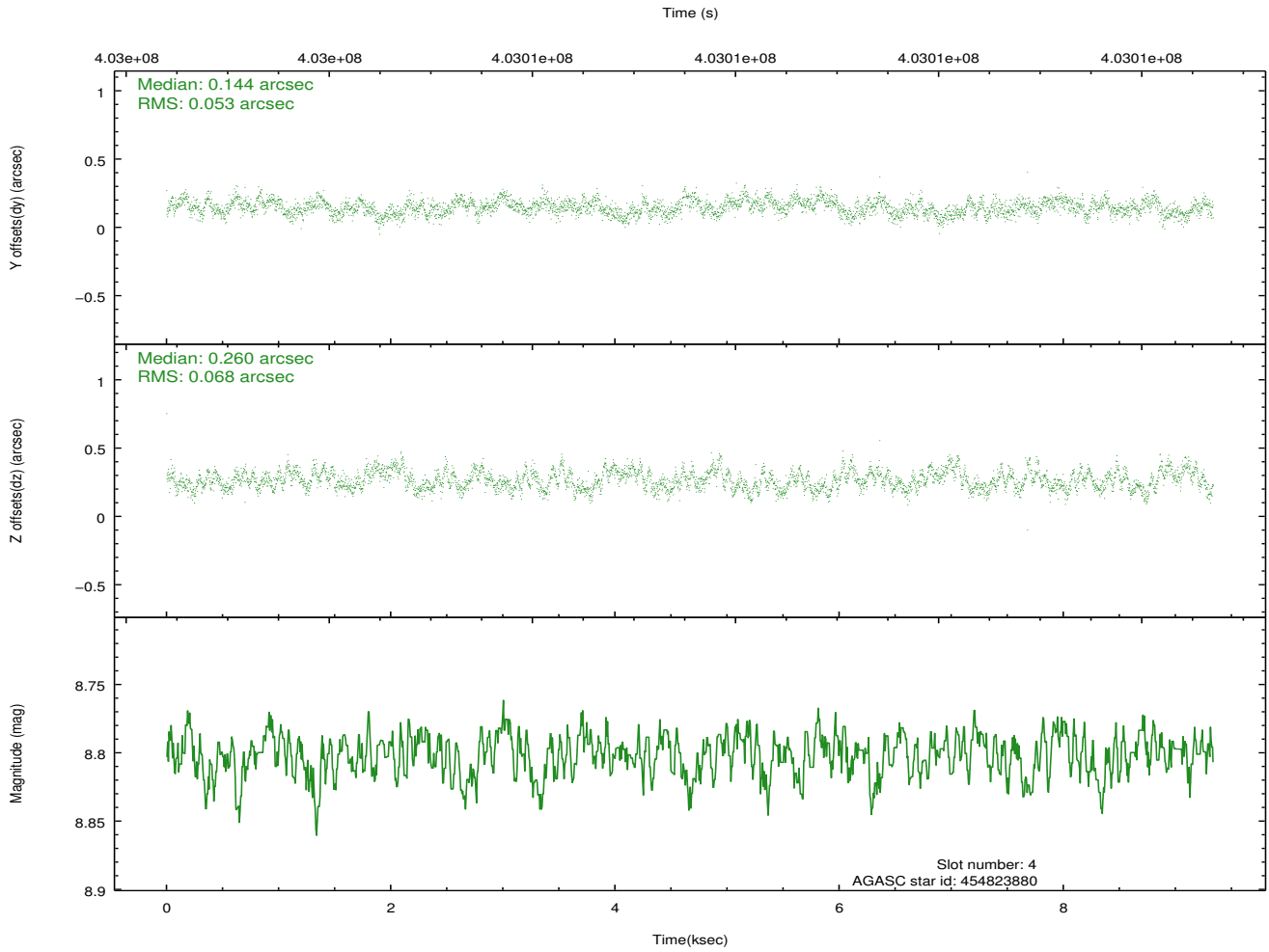
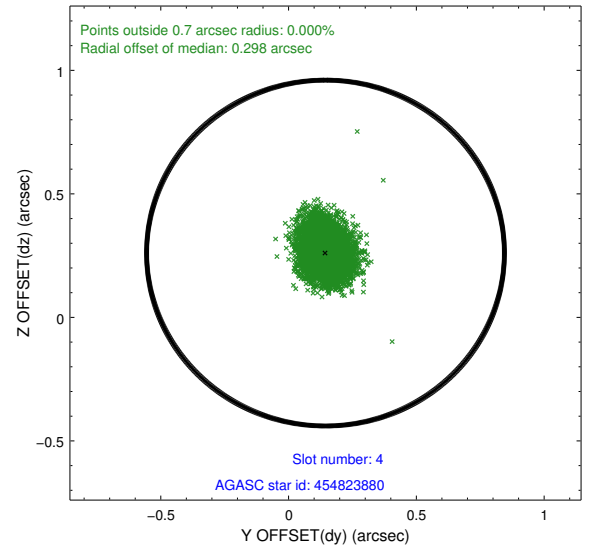
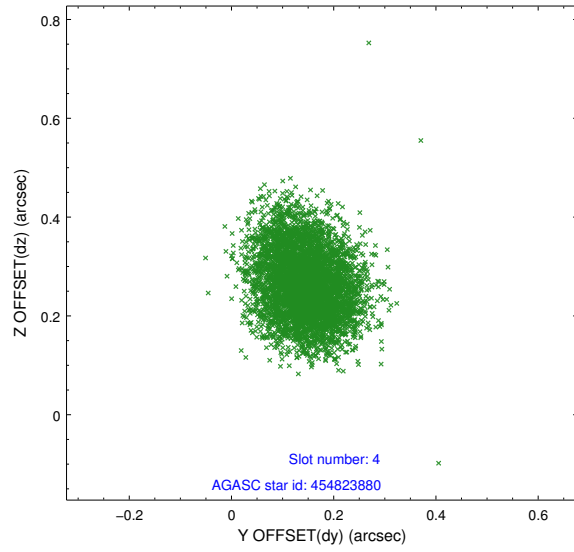
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.98	2278	0.079	-0.035	0.006	0.010	0.000000	0.000000	924.82	-1736.87
1	FID	ACIS-S-5	7.02	2278	-0.147	0.052	0.006	0.010	0.000000	0.000000	-1824.11	160.13
2	FID	ACIS-S-6	7.12	2277	0.047	-0.006	0.006	0.010	0.000000	0.000000	389.67	804.72
3	GUIDE	454822768	9.55	4545	-0.011	-0.096	0.138	0.214	209.963588	52.183295	-273.58	2032.44
4	GUIDE	454823880	8.80	4553	0.144	0.260	0.092	0.146	208.885691	51.220221	-1532.87	-1993.66
5	GUIDE	454826544	9.72	4549	0.164	0.137	0.146	0.232	209.607659	51.363828	-133.95	-1020.04
6	GUIDE	454826976	8.38	4553	-0.172	-0.081	0.095	0.156	209.920862	52.158321	-336.55	1917.94
7	GUIDE	454956640	10.02	4517	-0.114	-0.238	0.190	0.290	210.715197	51.534970	2039.87	333.61

## 2.4 Star Slots

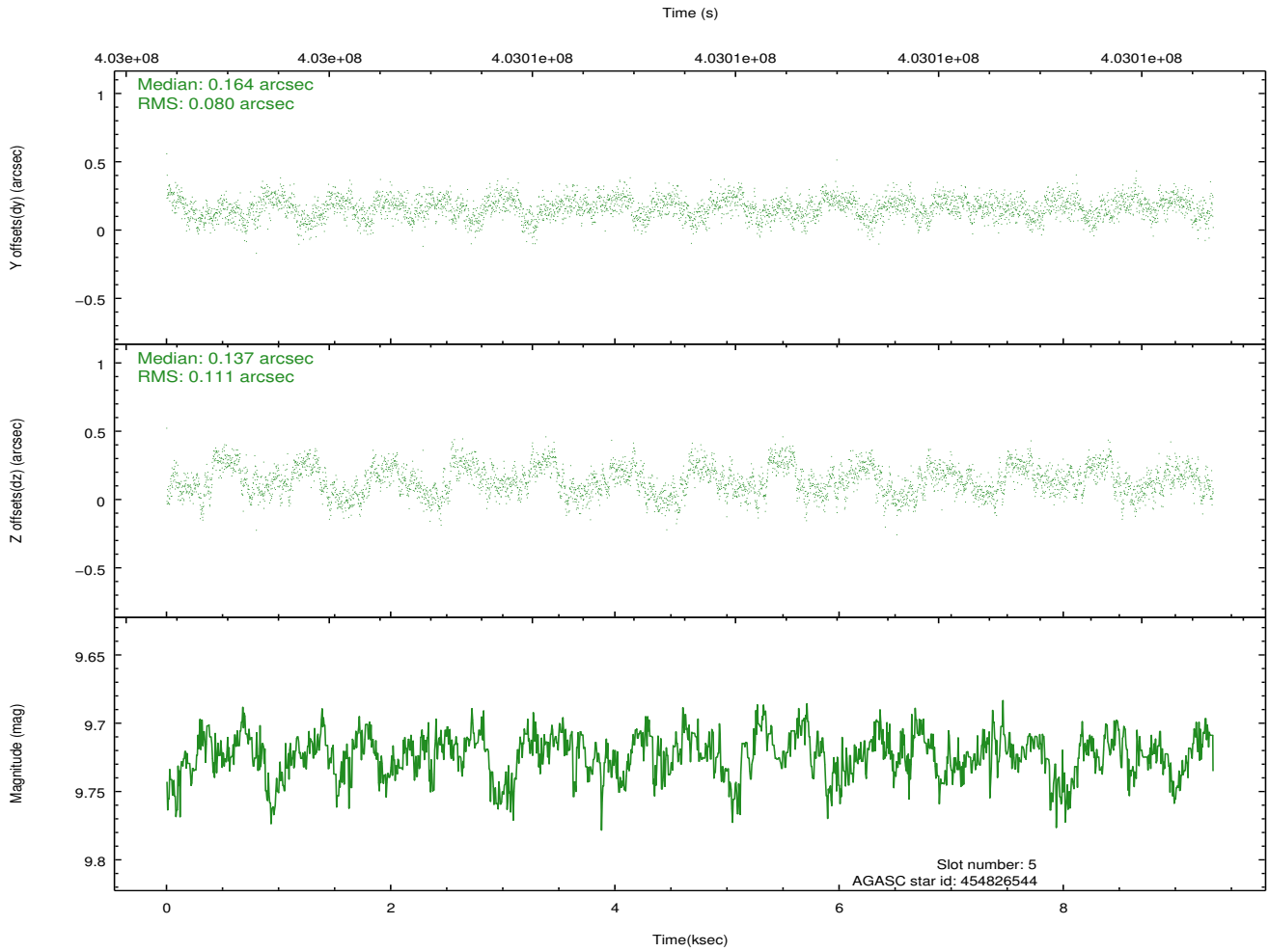
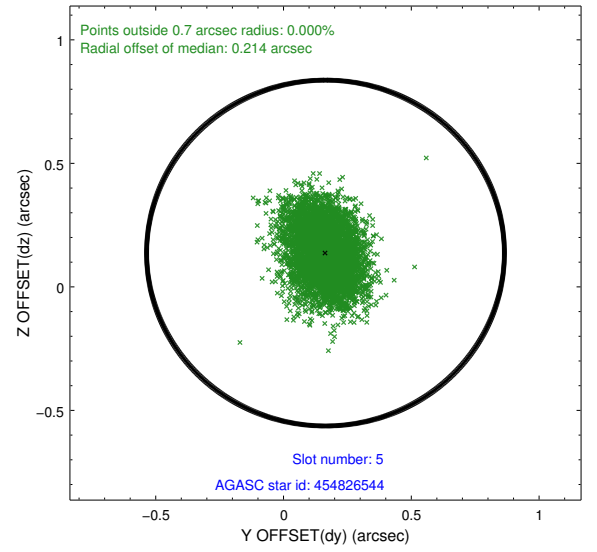
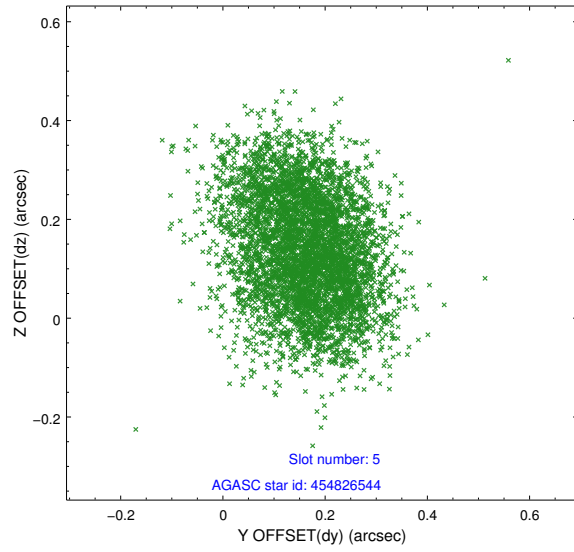
### 2.4.1 Slot 3



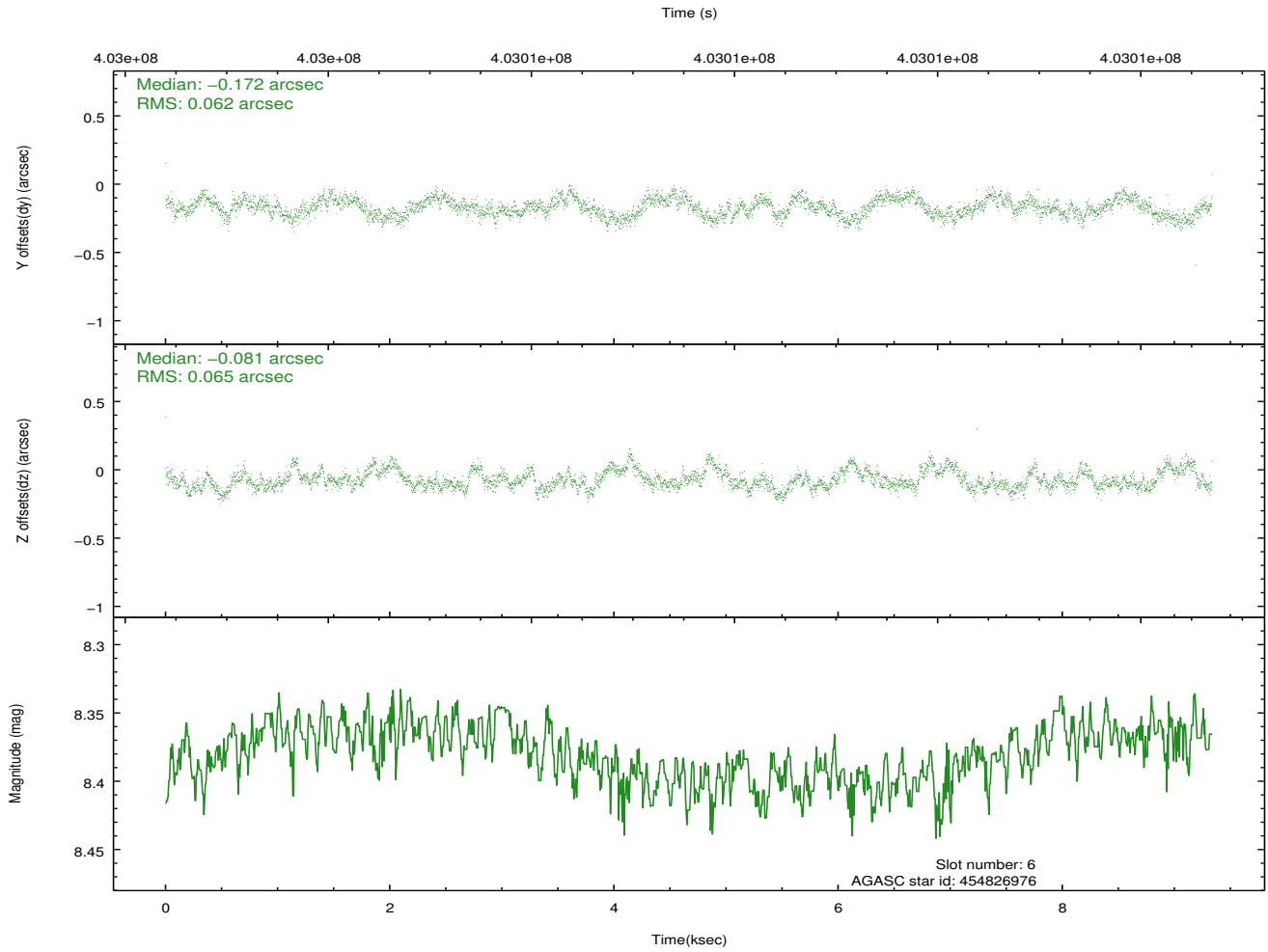
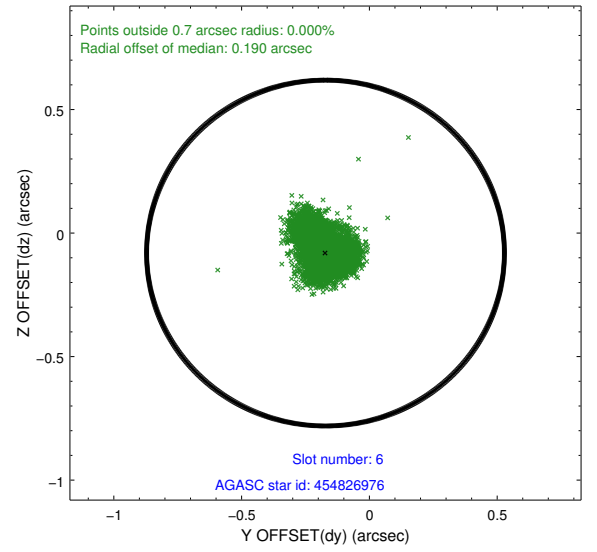
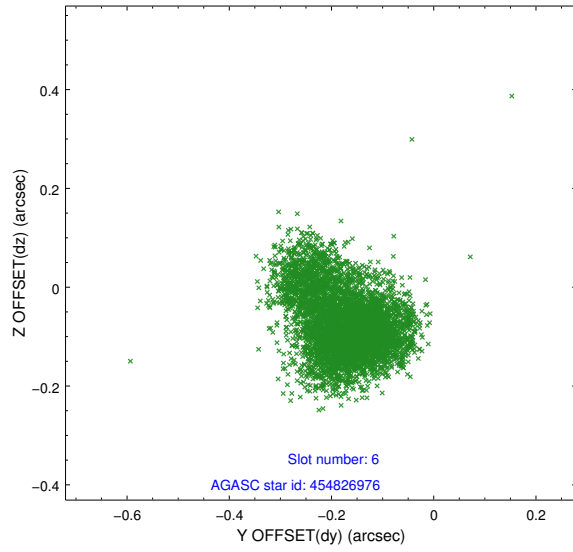
## 2.4.2 Slot 4



### 2.4.3 Slot 5

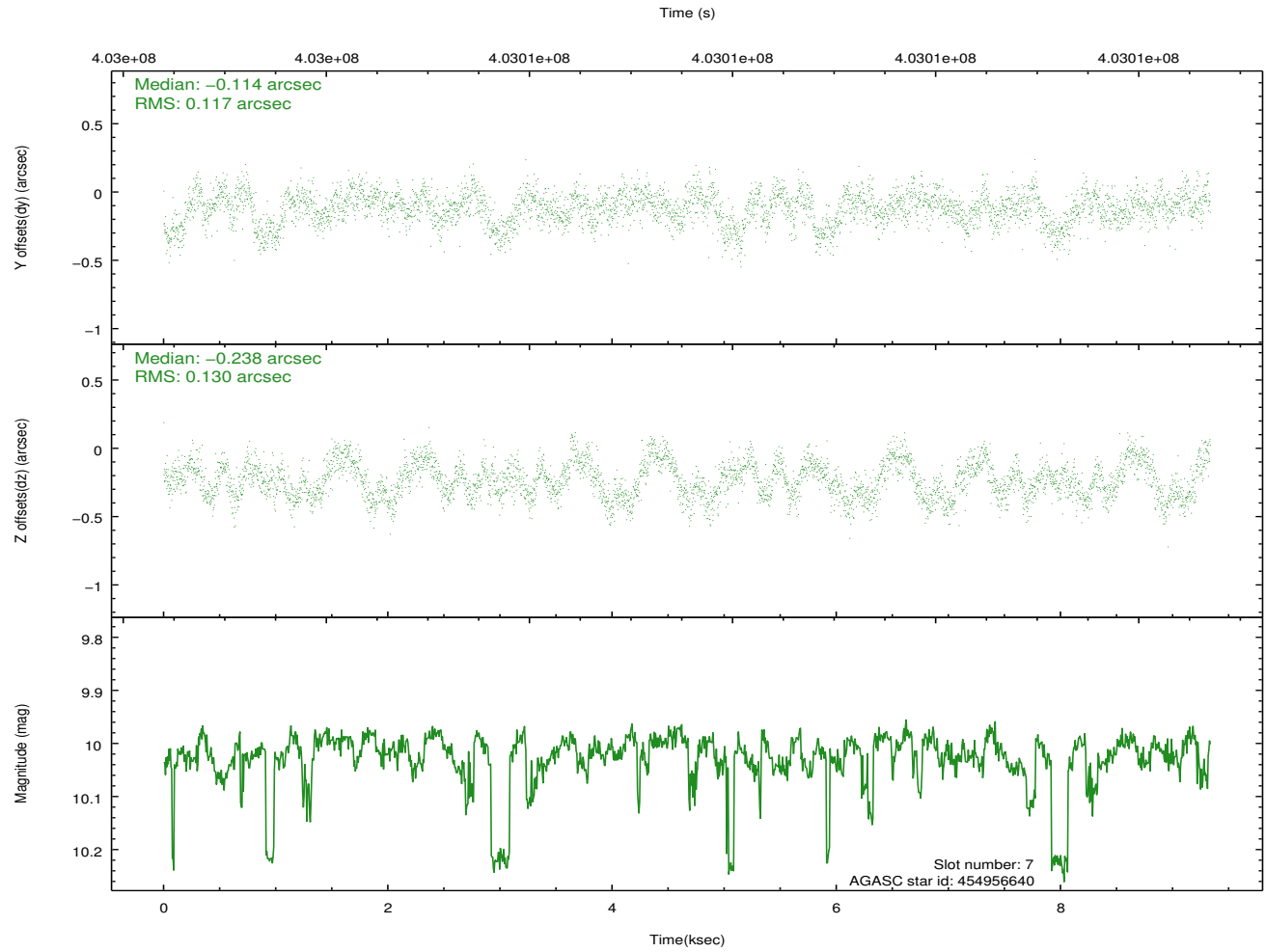
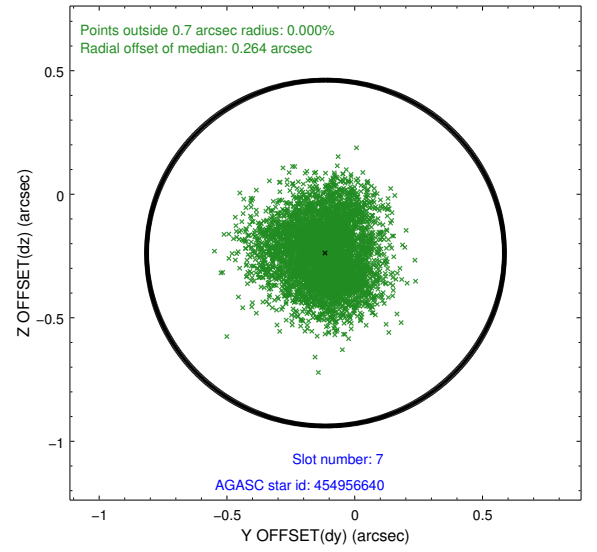
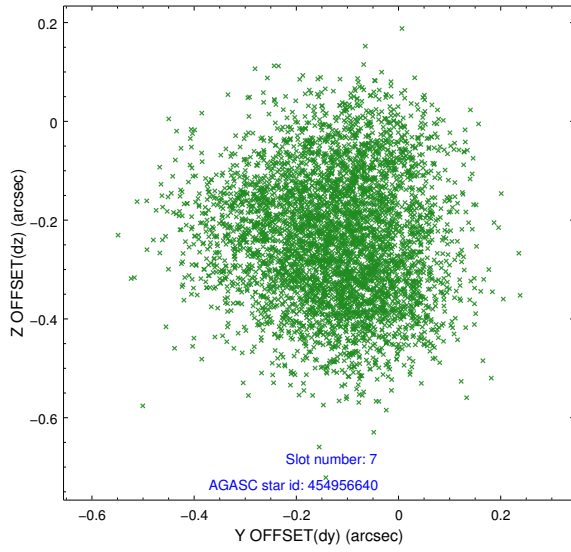


## 2.4.4 Slot 6



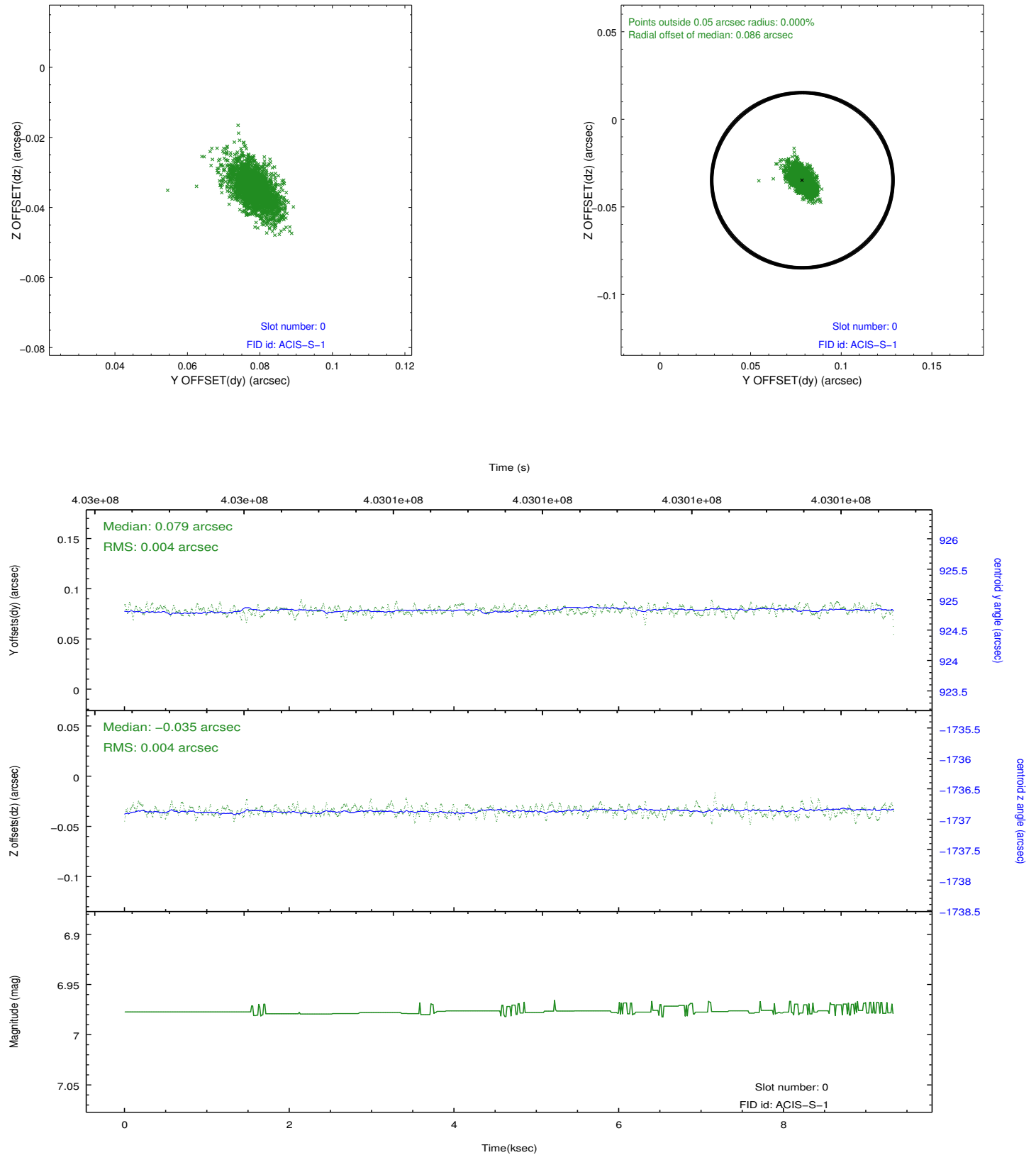


## 2.4.5 Slot 7

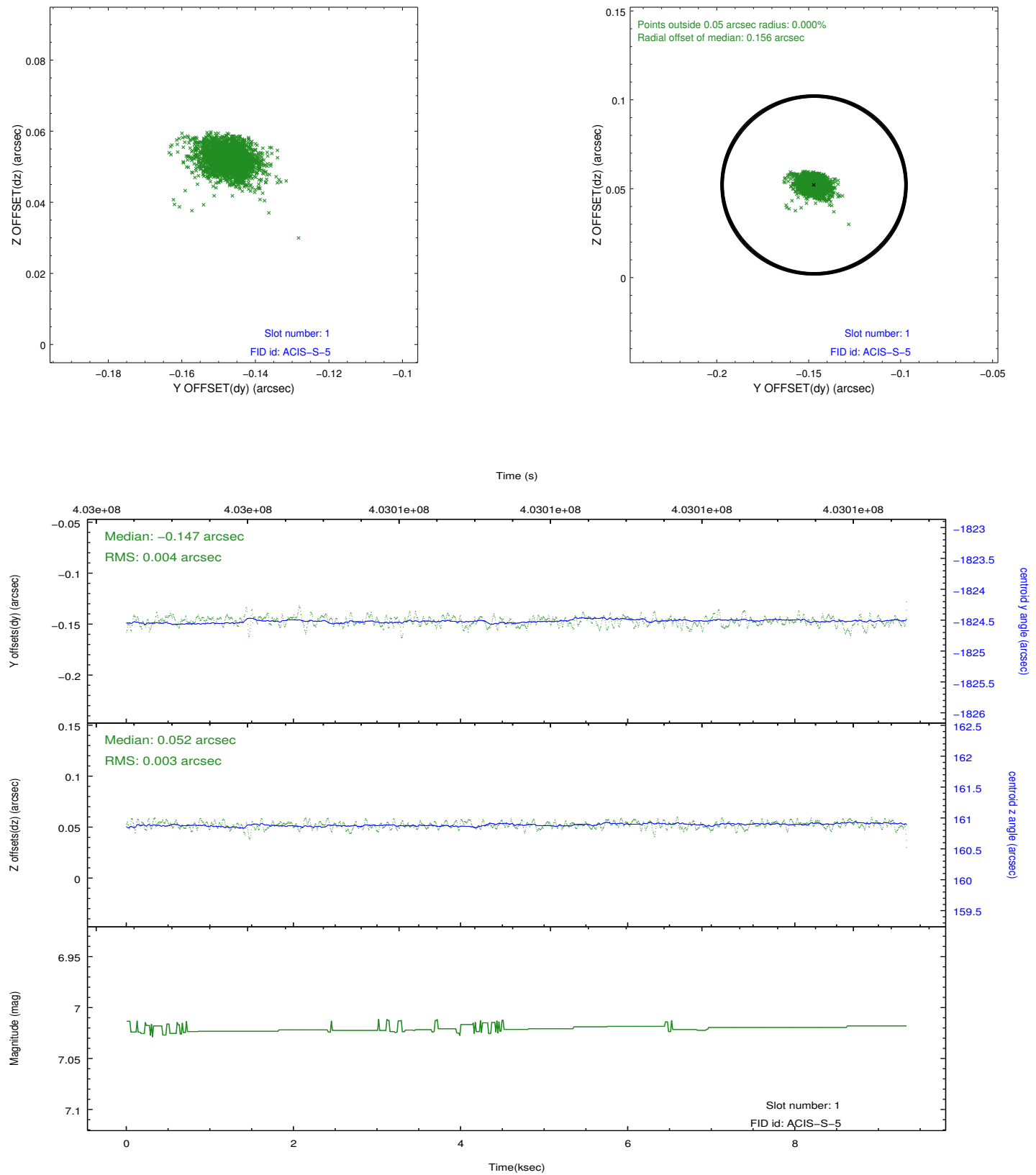


## 2.5 FID Slots

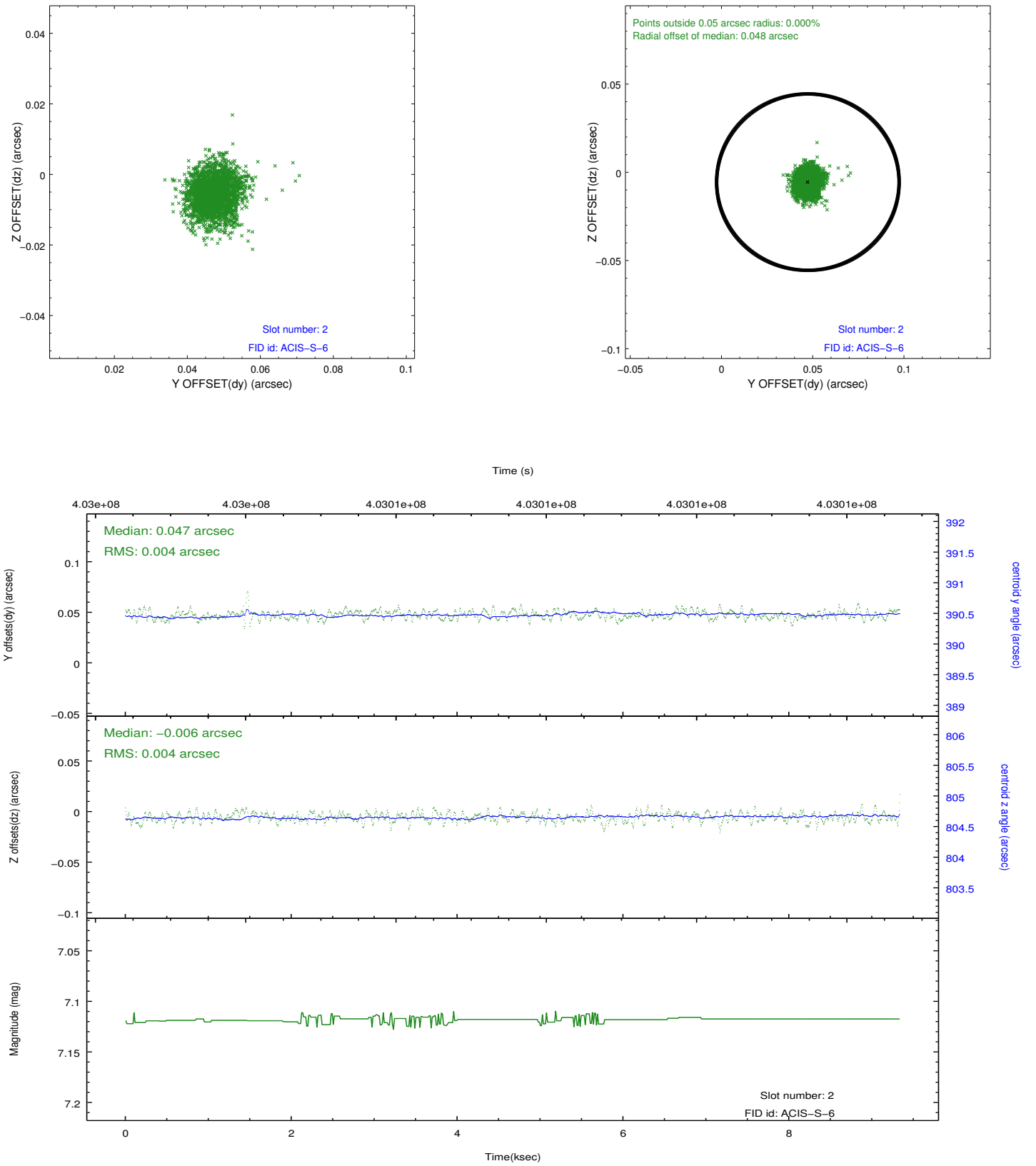
### 2.5.1 Slot 0



## 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)	2012.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3199999690652

## A.2 Comments

Joint proposal: HST