

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11702 - L2 Version 2  
Chandra X-Ray Center

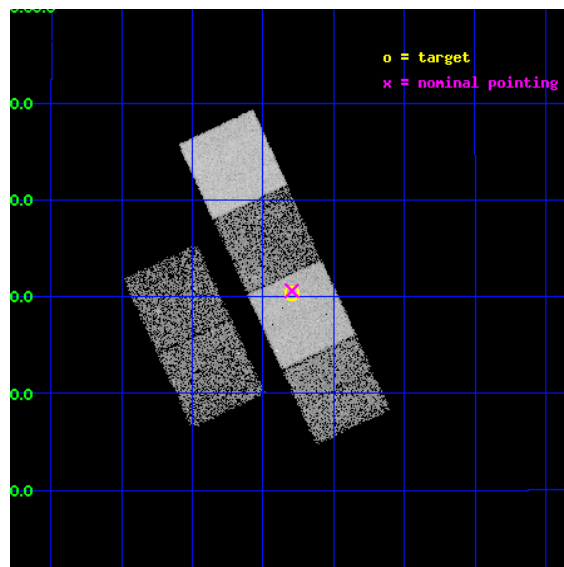
L2 Processing Date : Jun 19 2012

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# 1 Front

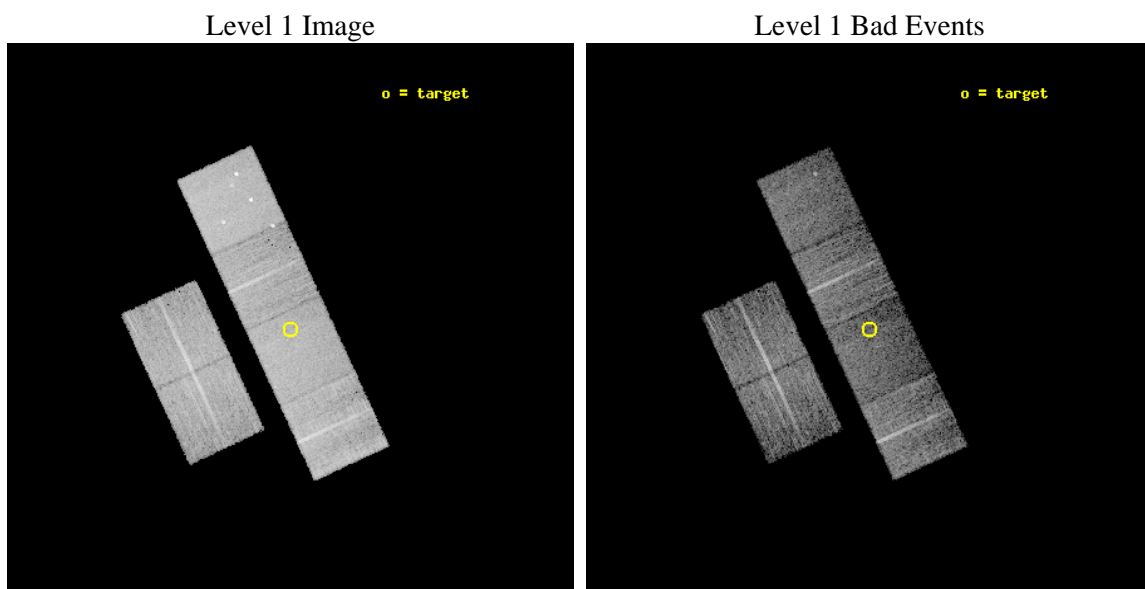
seq_num	702287	Sequence number
obs_id	11702	Observation id
title	After the Fall: Fading AGN in Post-starburst Galaxies	Proposal tit
observer	Dr. Christy Tremonti	Principal investigator
object	SDSS J094417.85+093019.4	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	146.074583	Observer's specified target RA [deg]
dec_targ	9.505389	Observer's specified target Dec [deg]
ra_nom	146.07398456167	Nominal RA [deg]
dec_nom	9.5102022950834	Nominal Dec [deg]
roll_nom	65.065510400608	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6479.9999759197	Sum of GTIs [s]
livetime	6397.9463144371	Livetime [s]
ontime2	6479.9999759197	Sum of GTIs [s]
ontime3	6479.9999759197	Sum of GTIs [s]
ontime5	6479.9999759197	Sum of GTIs [s]
ontime6	6479.9999759197	Sum of GTIs [s]
ontime7	6479.9999759197	Sum of GTIs [s]
ontime8	6479.9999759197	Sum of GTIs [s]
l2events	88626	Number of level 2 events



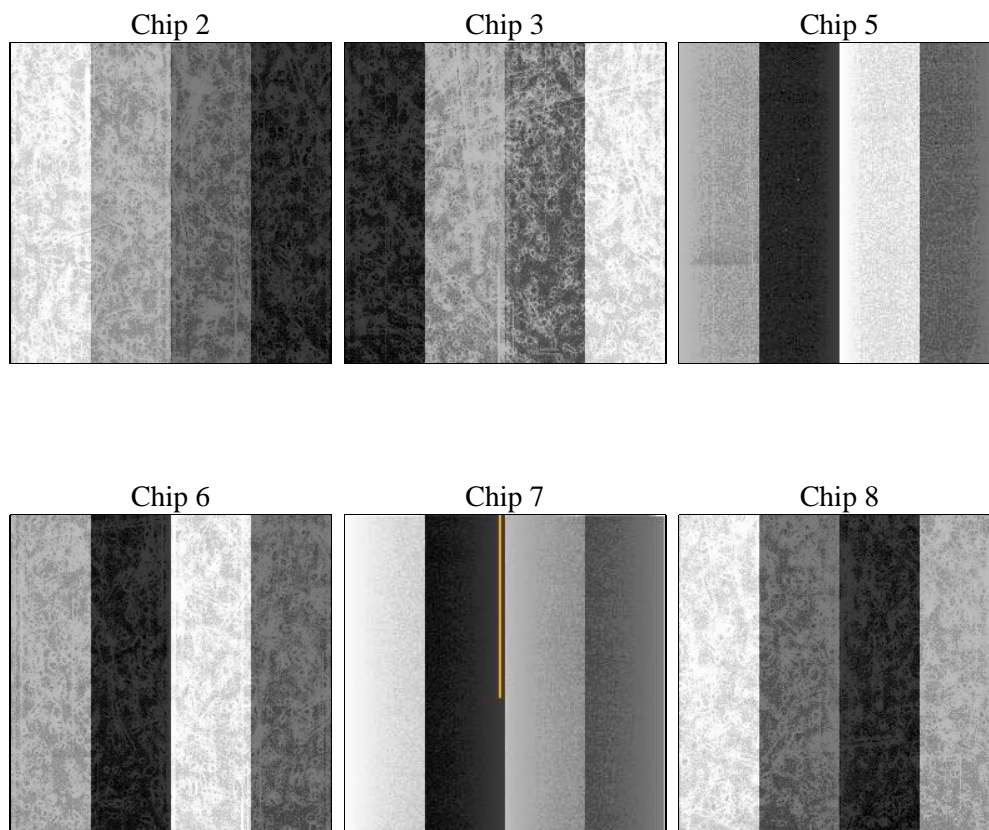
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6440.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6479.9999759197	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime2	6479.9999759197	Sum of GTIs [s]
date	2012-06-19T08:50:24	Date and time of file creation	ontime3	6479.9999759197	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	6479.9999759197	Sum of GTIs [s]
			ontime6	6479.9999759197	Sum of GTIs [s]
			ontime7	6479.9999759197	Sum of GTIs [s]
			ontime8	6479.9999759197	Sum of GTIs [s]
			l1events	388200	Number of level 1 events

### 2.1.4 Events

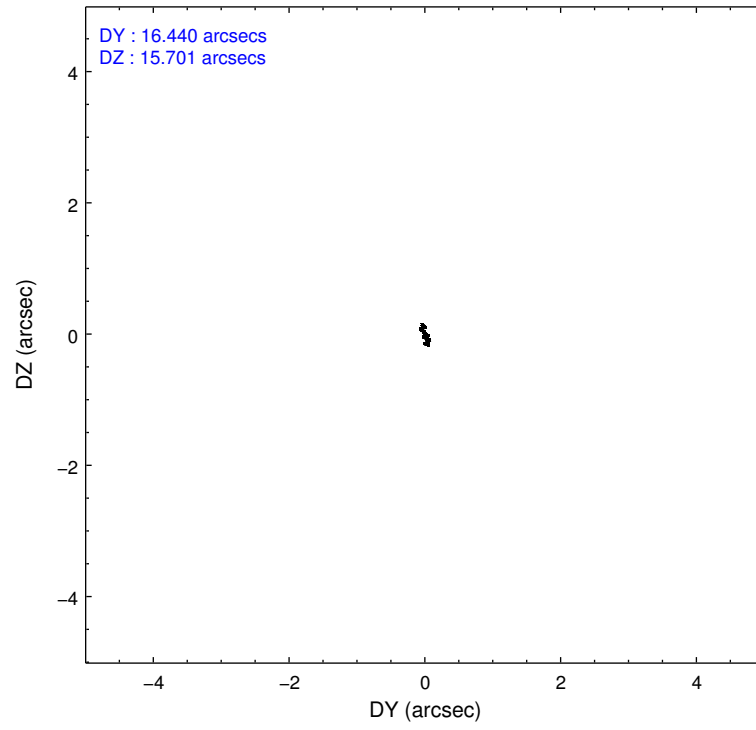
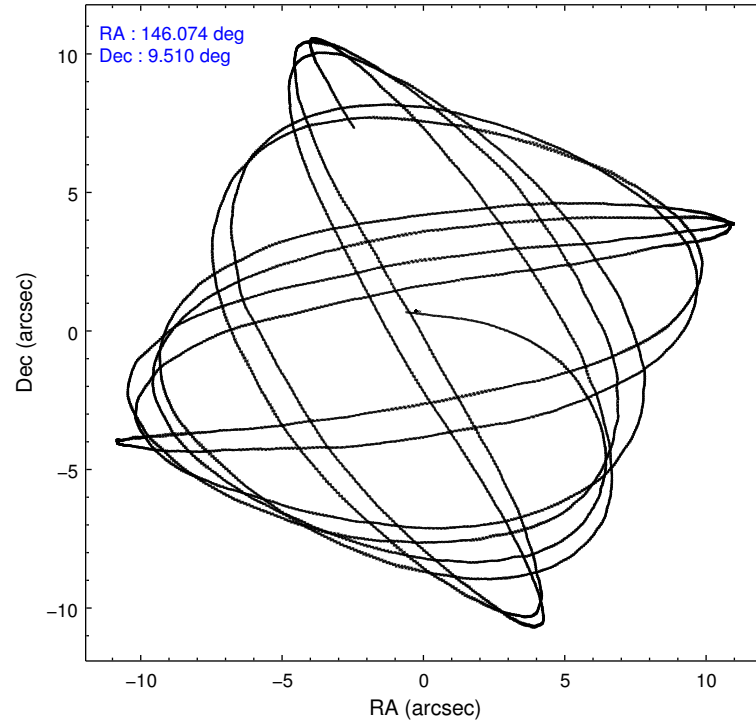
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	57649	53731	82623	56499	65974	71724	grade 0 events	2062	1968	5107	2384	2945	5447
rejected events	51863	48181	40835	50139	35916	53371		3%	3%	6%	4%	4%	7%
rejected %	89%	89%	49%	88%	54%	74%	grade 1 events	27	40	176	30	83	62
								0%	0%	0%	0%	0%	0%
							grade 2 events	1406	1235	12595	1426	6160	4441
								2%	2%	15%	2%	9%	6%
							grade 3 events	578	643	1540	630	2669	1854
								1%	1%	1%	1%	4%	2%
							grade 4 events	610	602	1493	614	2756	1713
								1%	1%	1%	1%	4%	2%
							grade 5 events	2010	2290	6238	2356	6857	3348
								3%	4%	7%	4%	10%	4%
							grade 6 events	1130	1104	21068	1310	15536	4902
								1%	2%	25%	2%	23%	6%
							grade 7 events	49826	45849	34406	47749	28968	49957
								86%	85%	41%	84%	43%	69%

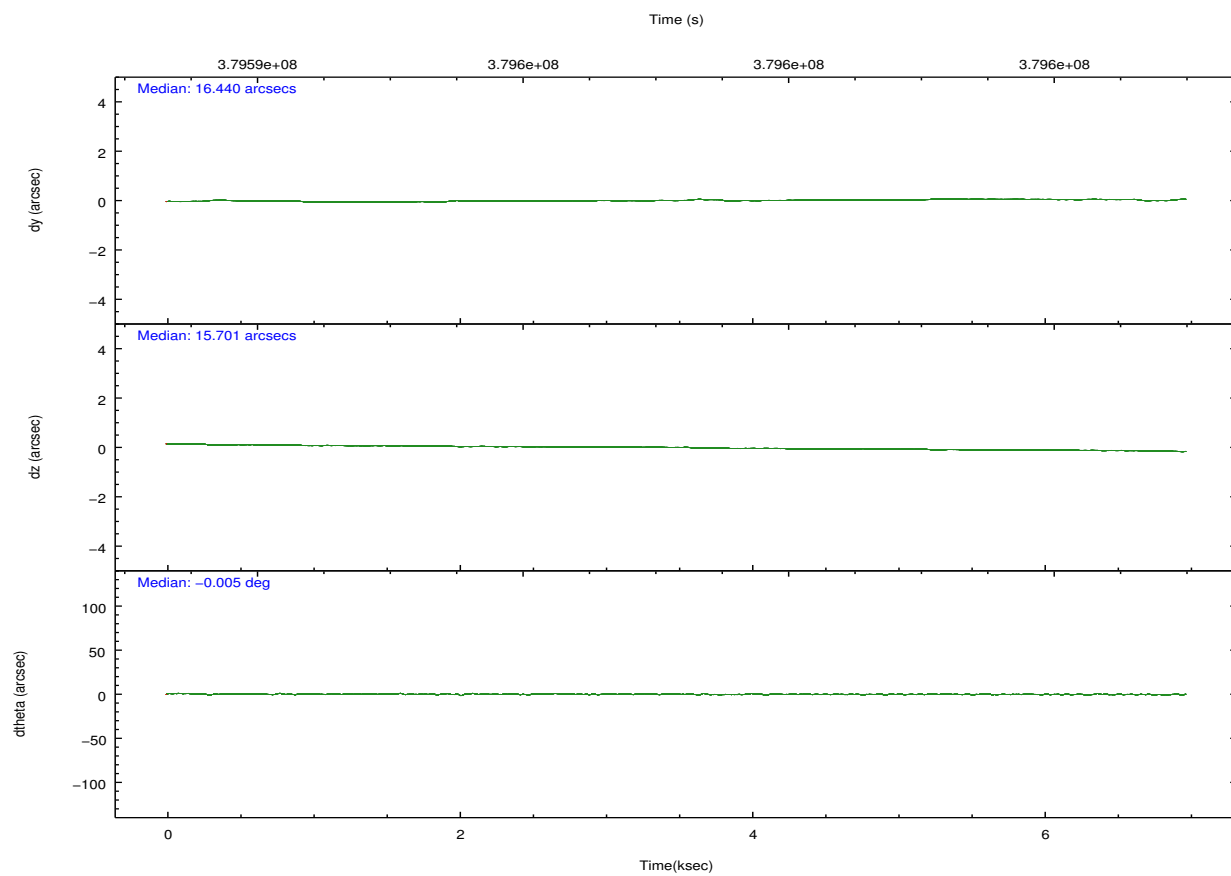
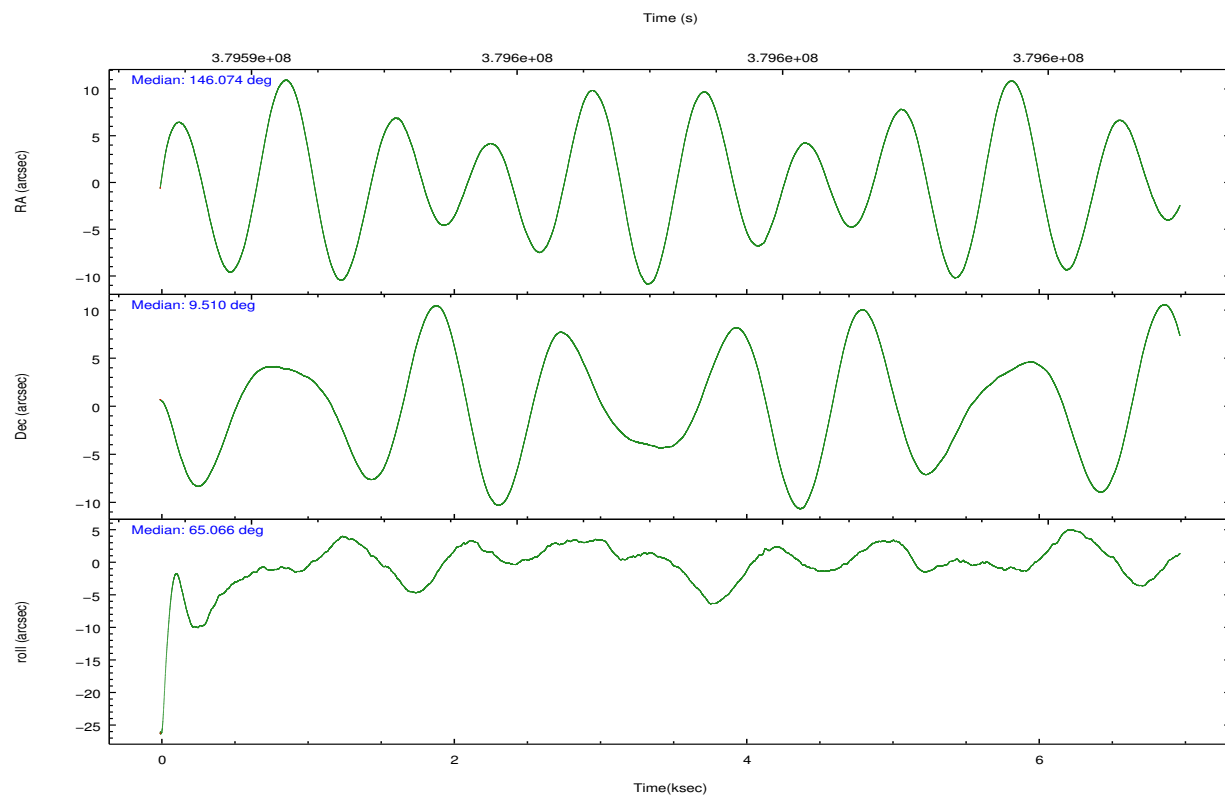


## 2.2 Compared Parameters

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	146.076833	146.0739845616715	CCD I2 on	O1	Y
[deg] Pointing Dec	9.482999	9.510202295083444	CCD I3 on	O2	Y
[deg] Pointing Roll	64.908465	65.06551040060816	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)	379594186.184000	379593008.59479	CCD S5 on	N	N
Observation start date	2010-01-11T10:48:40	2010-01-11T10:30:08	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	379600626.184000	379601529.42022	On-chip summing requested	N	N
Observation end date	2010-01-11T12:36:00	2010-01-11T12:52:09	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect



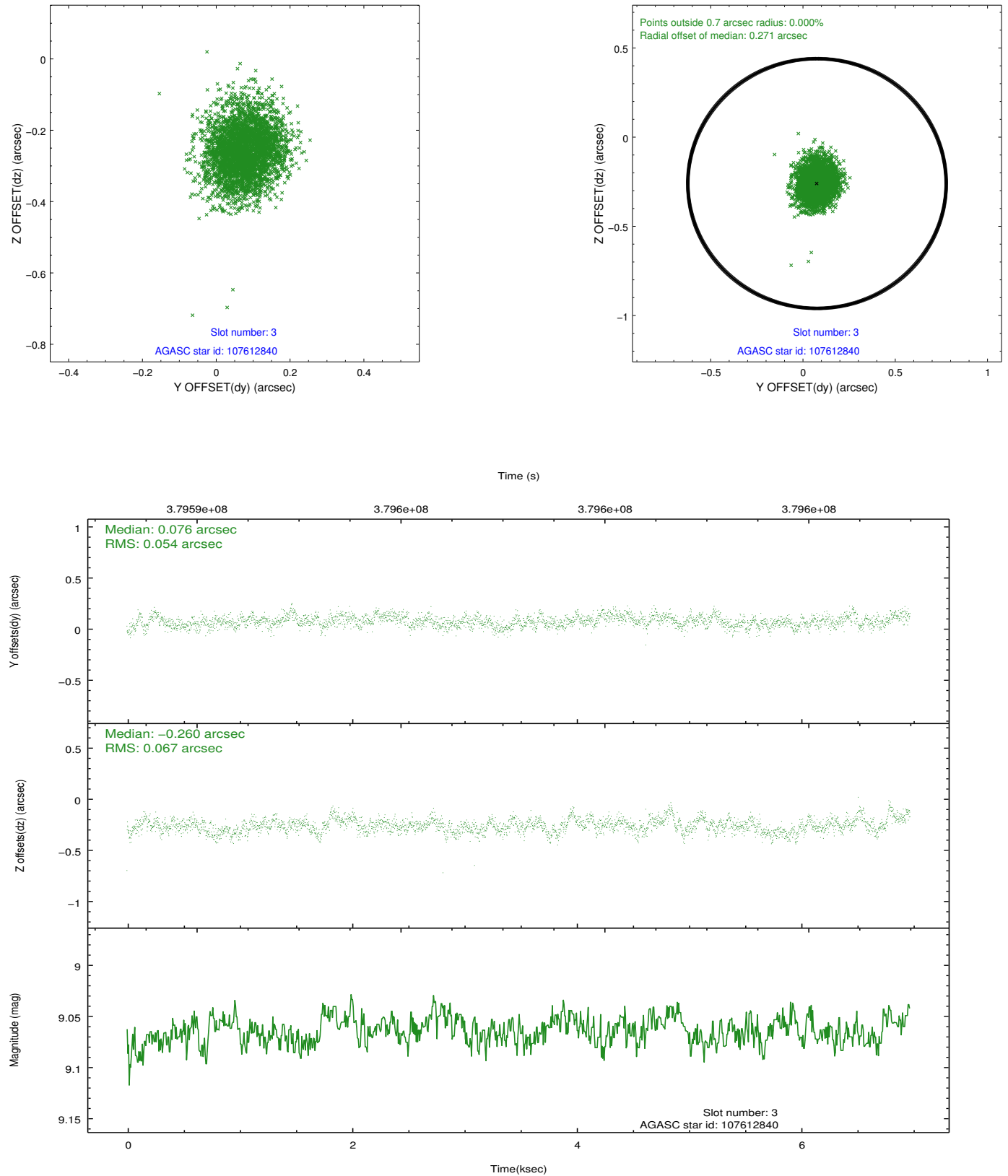


### Slot Statistics

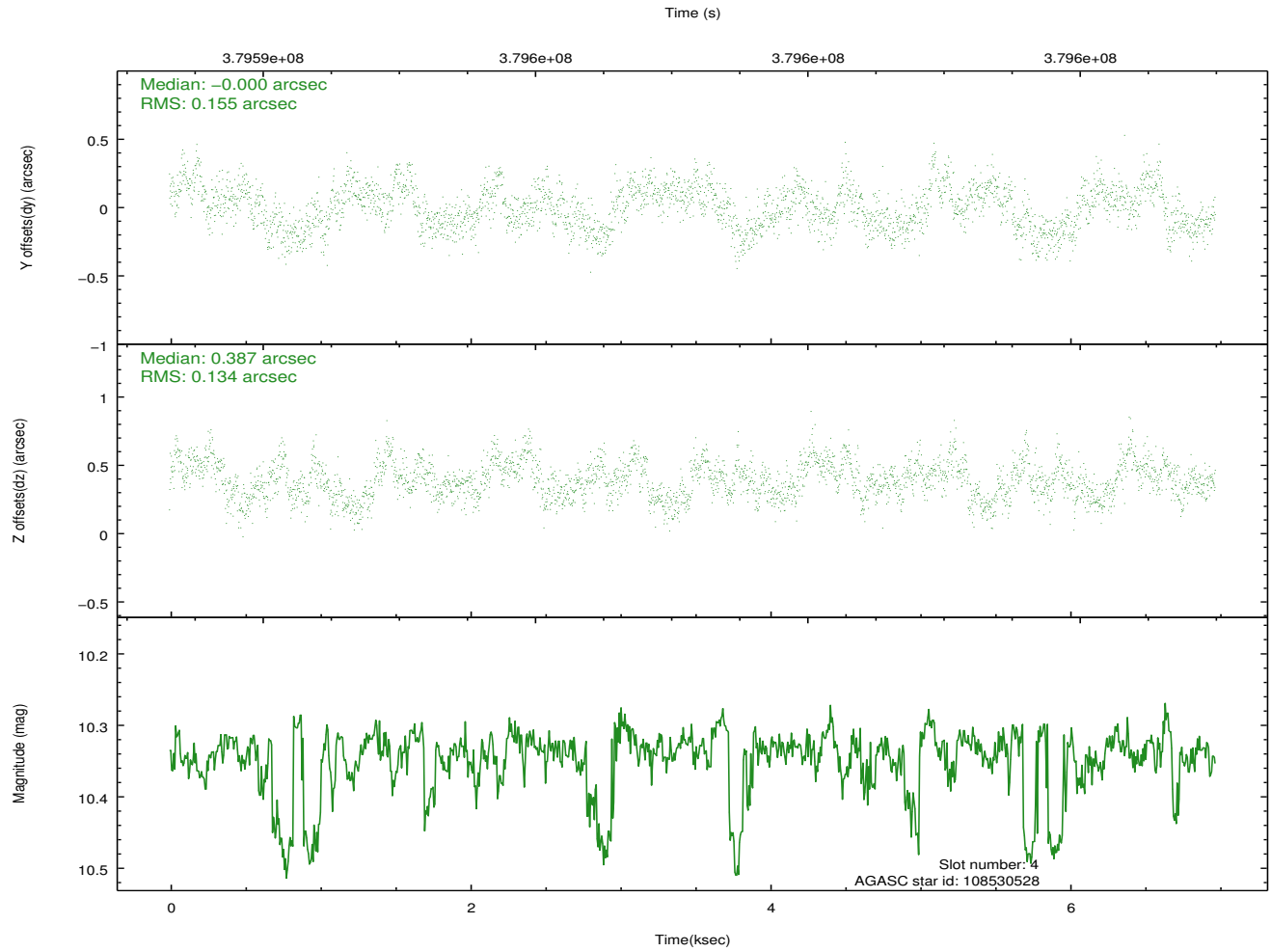
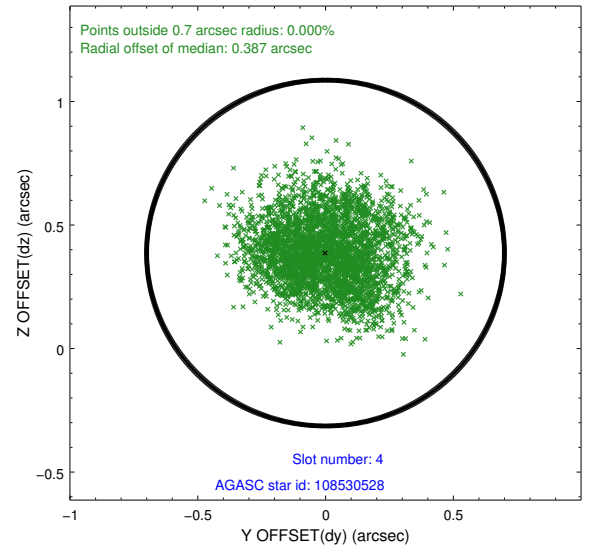
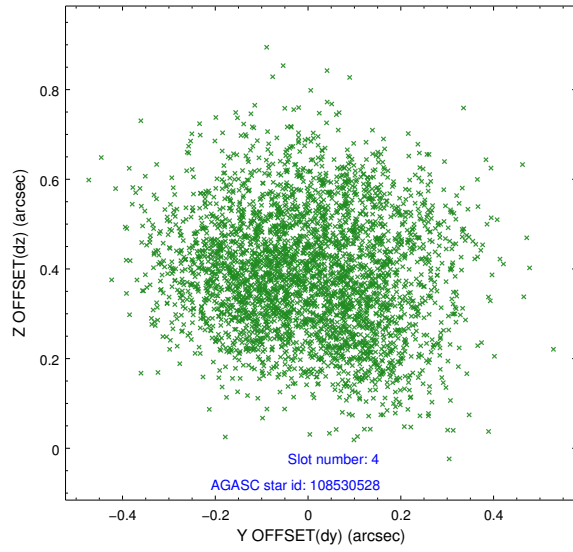
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	1702	-0.100	-0.027	0.007	0.011	0.000000	0.000000	-769.53	-1737.07
1	FID	ACIS-S-4	6.98	1702	0.202	0.055	0.006	0.010	0.000000	0.000000	2143.65	170.66
2	FID	ACIS-S-5	7.01	1702	-0.134	-0.020	0.006	0.010	0.000000	0.000000	-1821.37	165.16
3	GUIDE	107612840	9.06	3400	0.076	-0.260	0.090	0.150	145.374441	9.465044	-1113.88	2232.11
4	GUIDE	108530528	10.34	3386	-0.000	0.387	0.221	0.343	146.632873	9.876132	2119.29	-1184.39
5	GUIDE	108531104	9.73	3398	0.162	0.168	0.137	0.228	146.435044	8.668674	-2112.89	-2397.95
6	GUIDE	108531640	10.32	3390	0.192	-0.264	0.186	0.294	146.093599	9.665806	620.94	224.00
7	GUIDE	108535896	7.71	3402	-0.440	-0.026	0.095	0.148	146.311350	8.724089	-2120.31	-1914.48

## 2.4 Star Slots

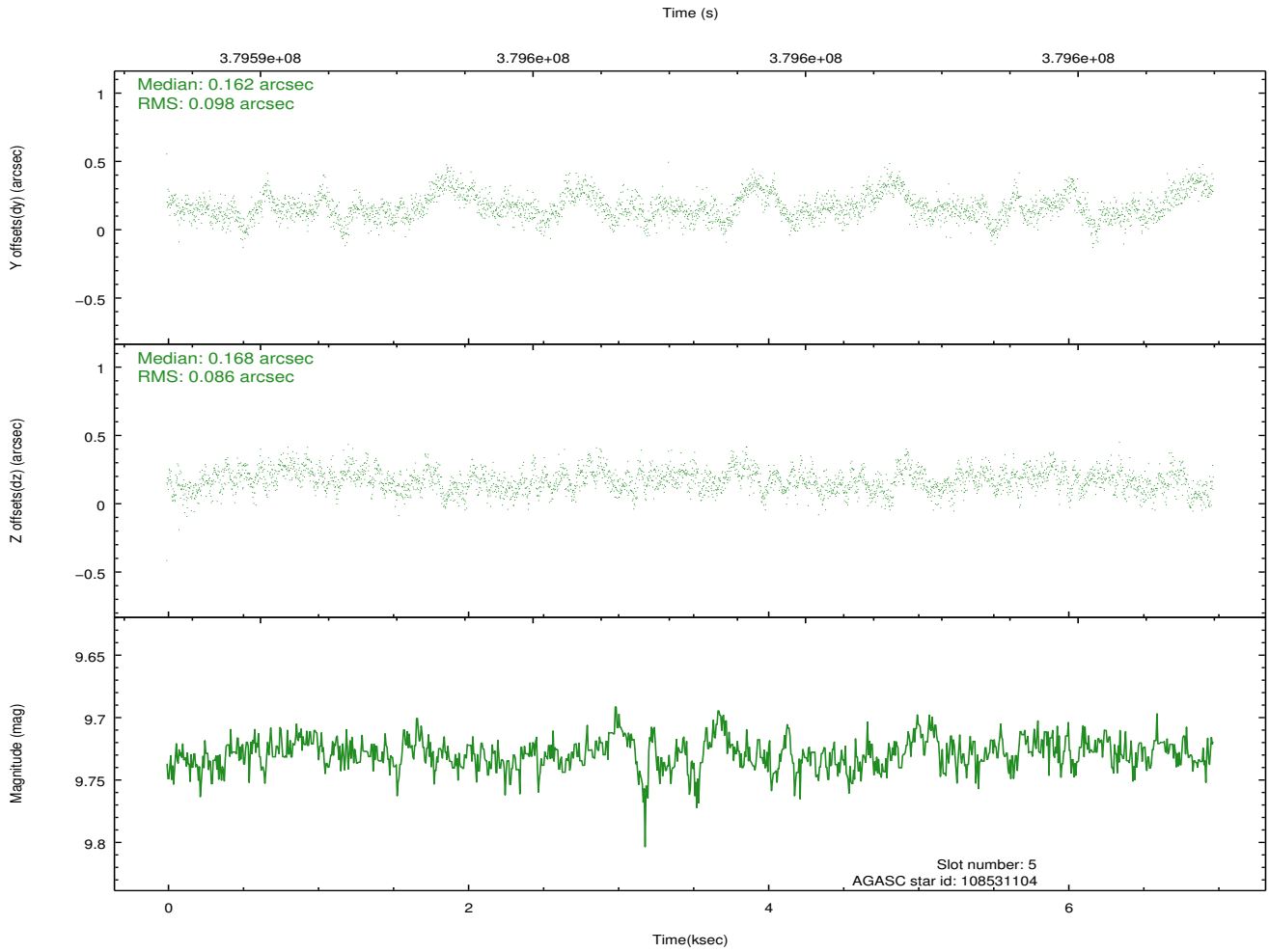
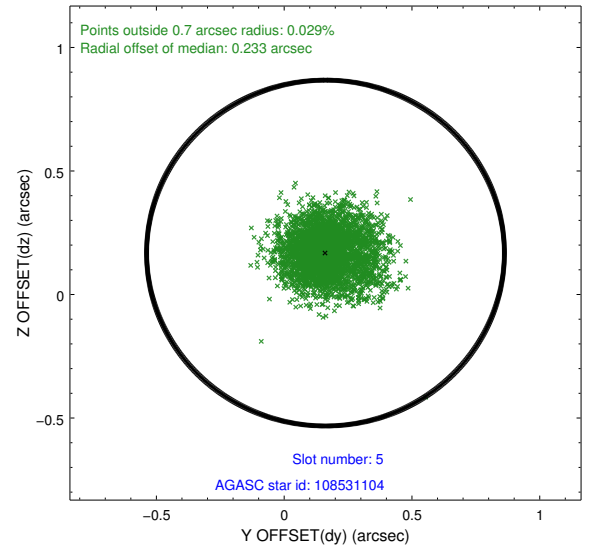
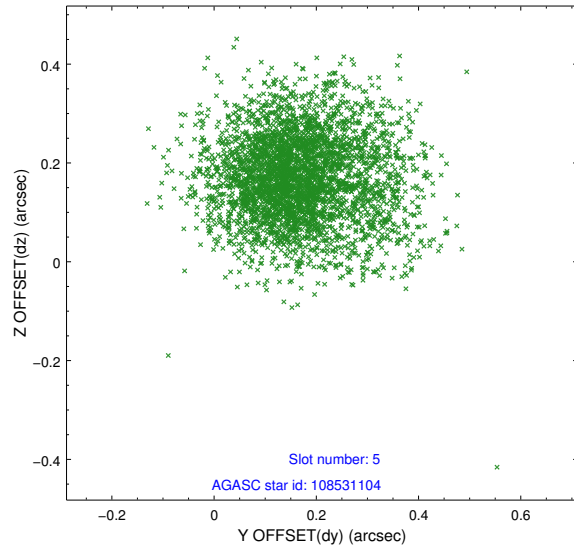
### 2.4.1 Slot 3



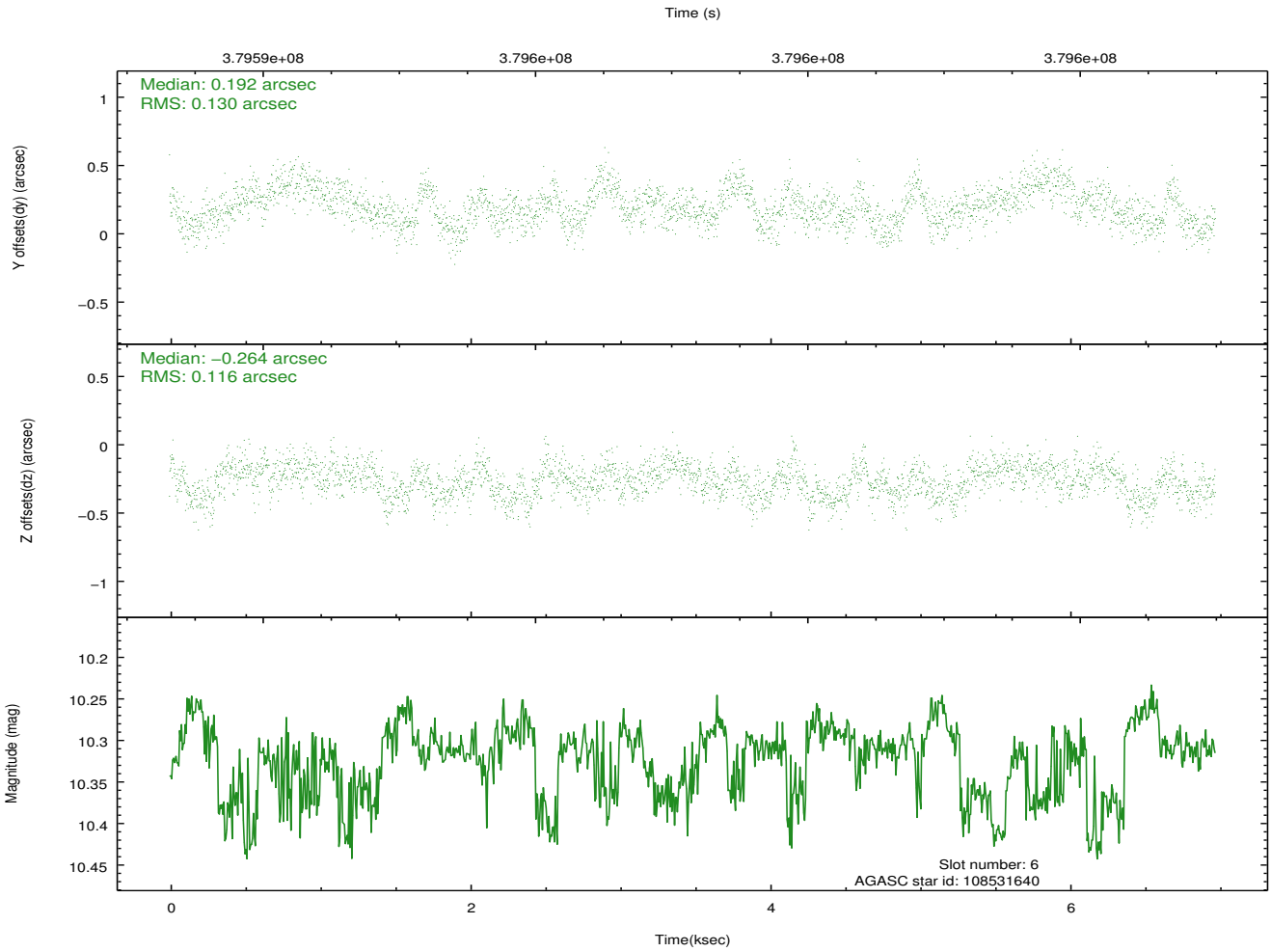
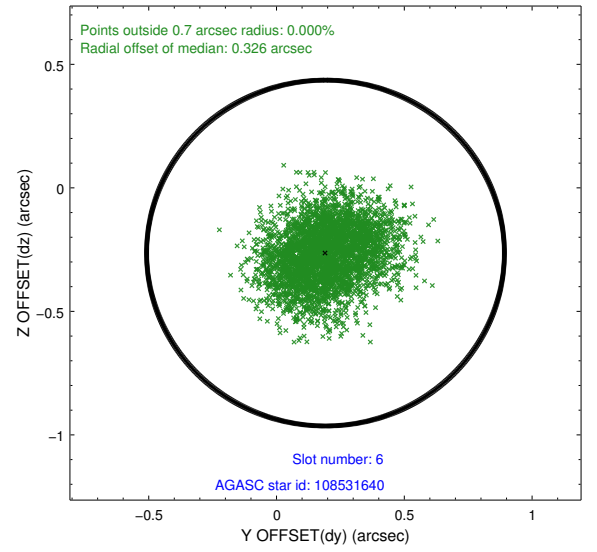
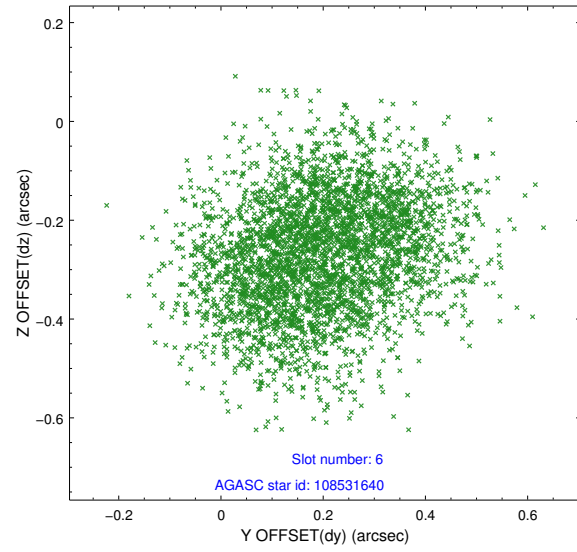
## 2.4.2 Slot 4



### 2.4.3 Slot 5

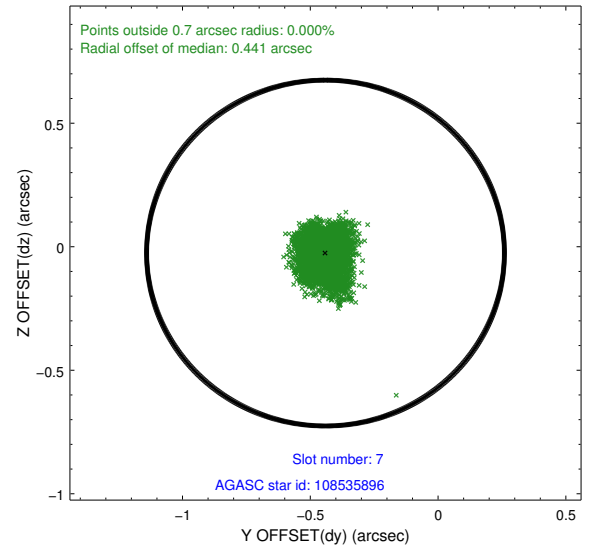
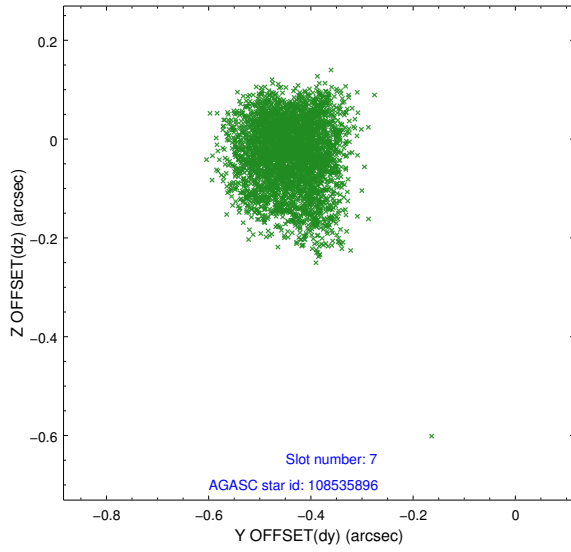


## 2.4.4 Slot 6

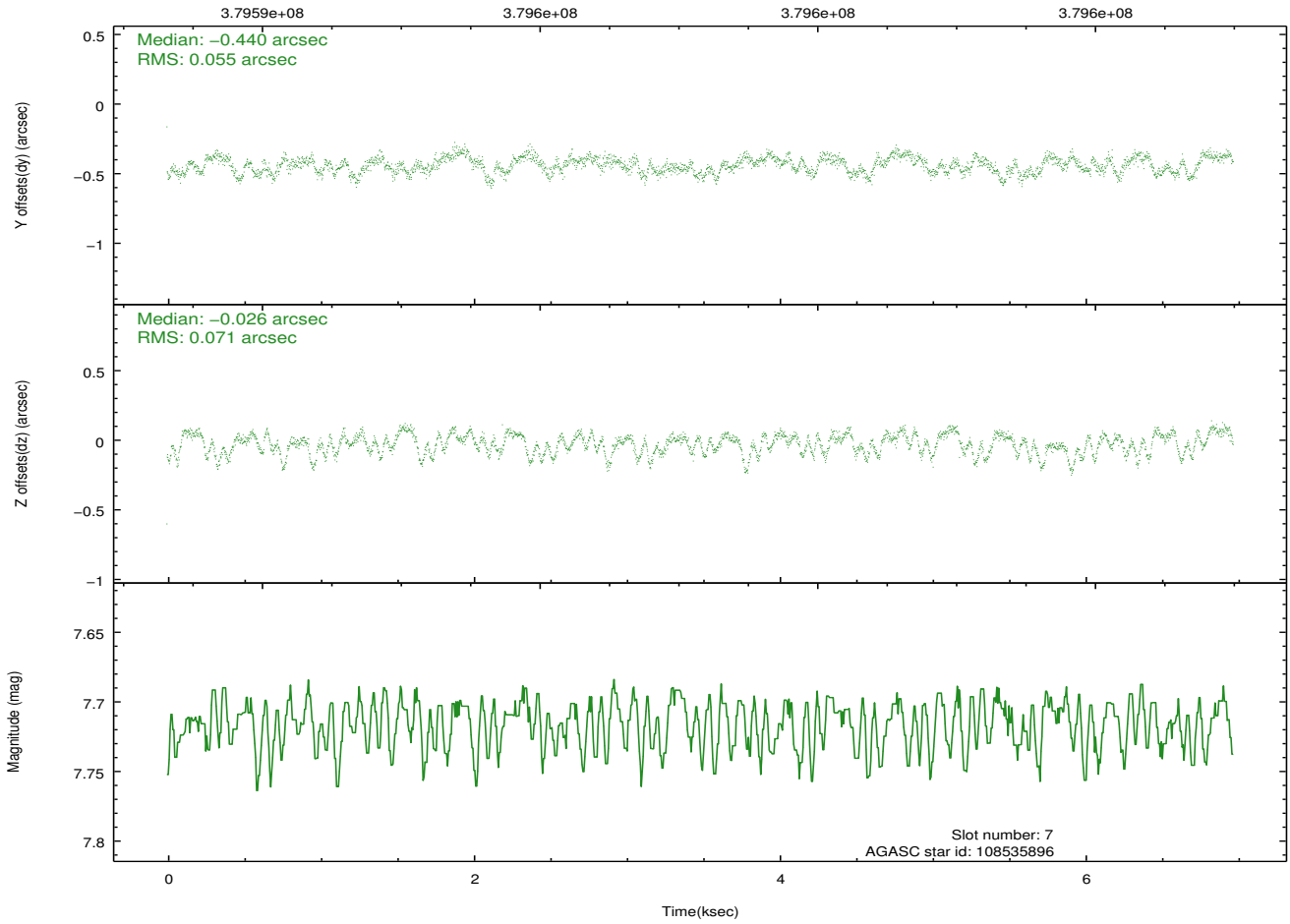




## 2.4.5 Slot 7

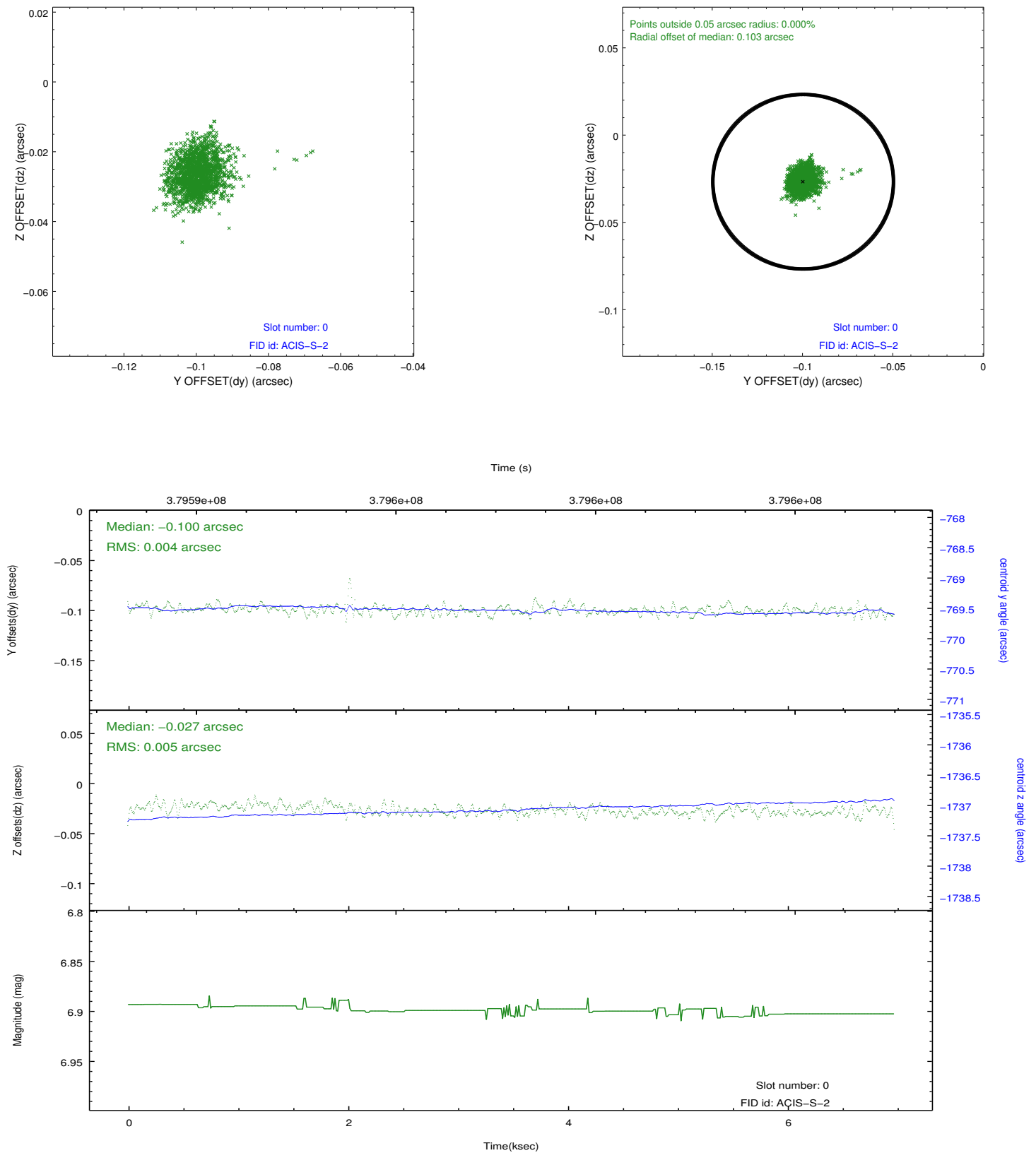


Time (s)

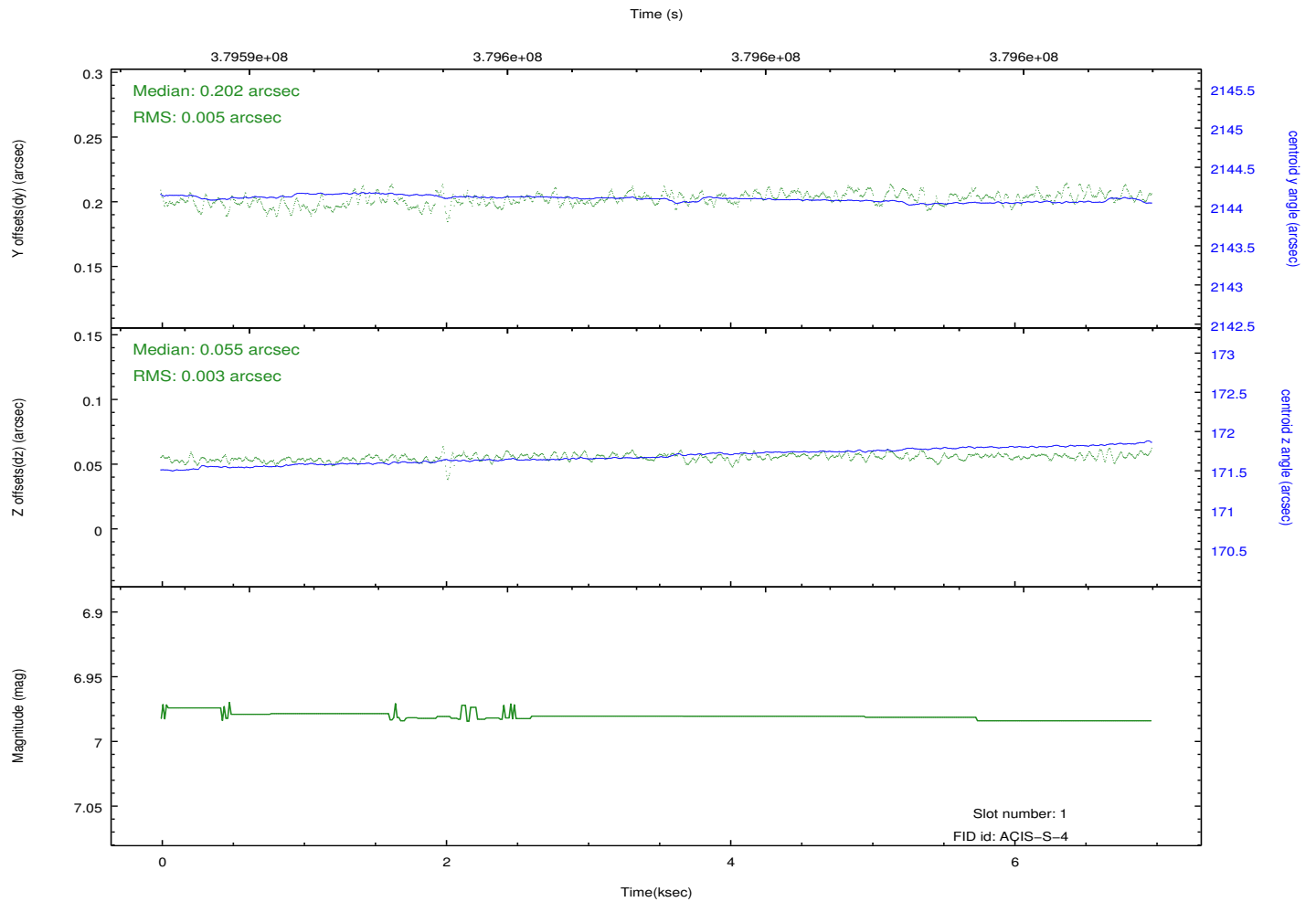
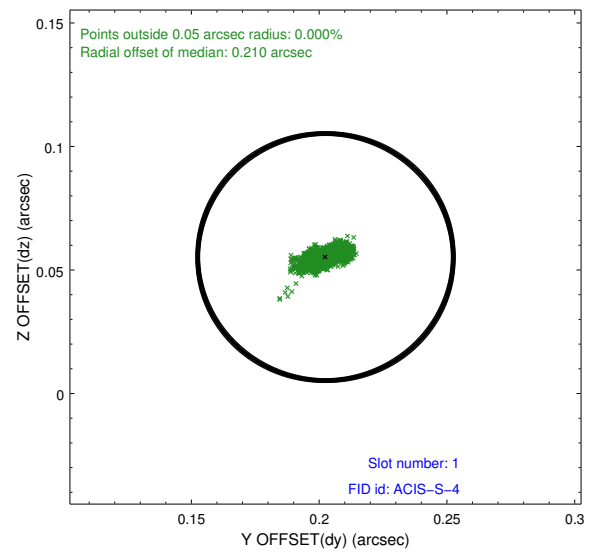
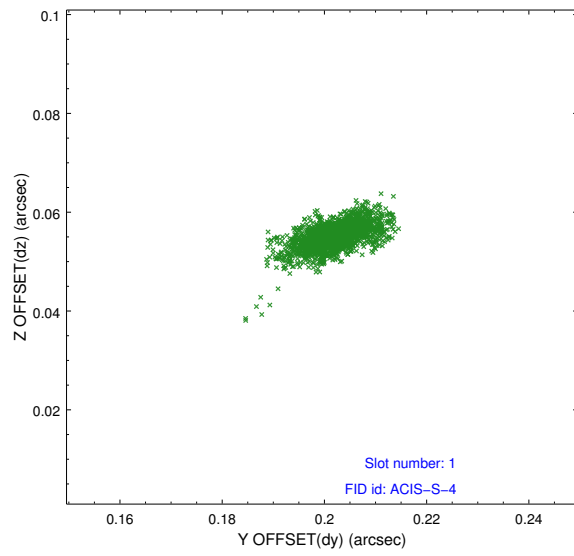


## 2.5 FID Slots

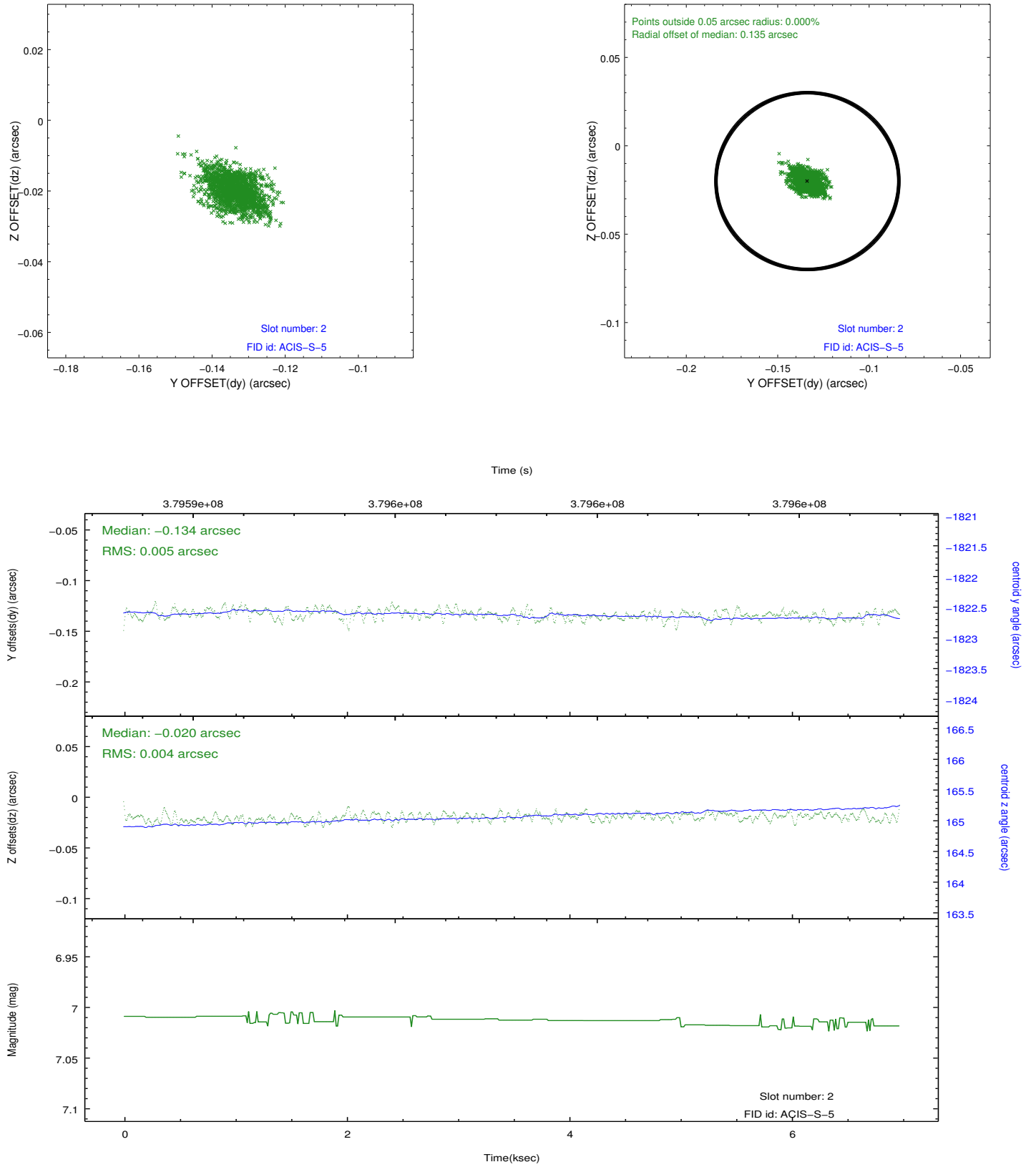
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.4799999759197

### A.2 Comments

Joint Proposal: HST