

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8156 - L2 Version 2  
Chandra X-Ray Center

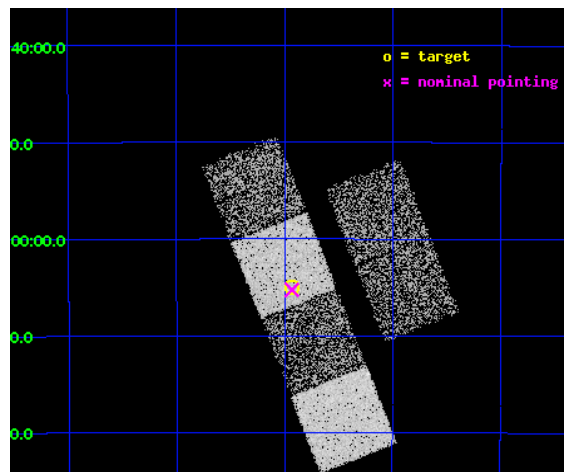
L2 Processing Date : May 3 2012

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# 1 Front

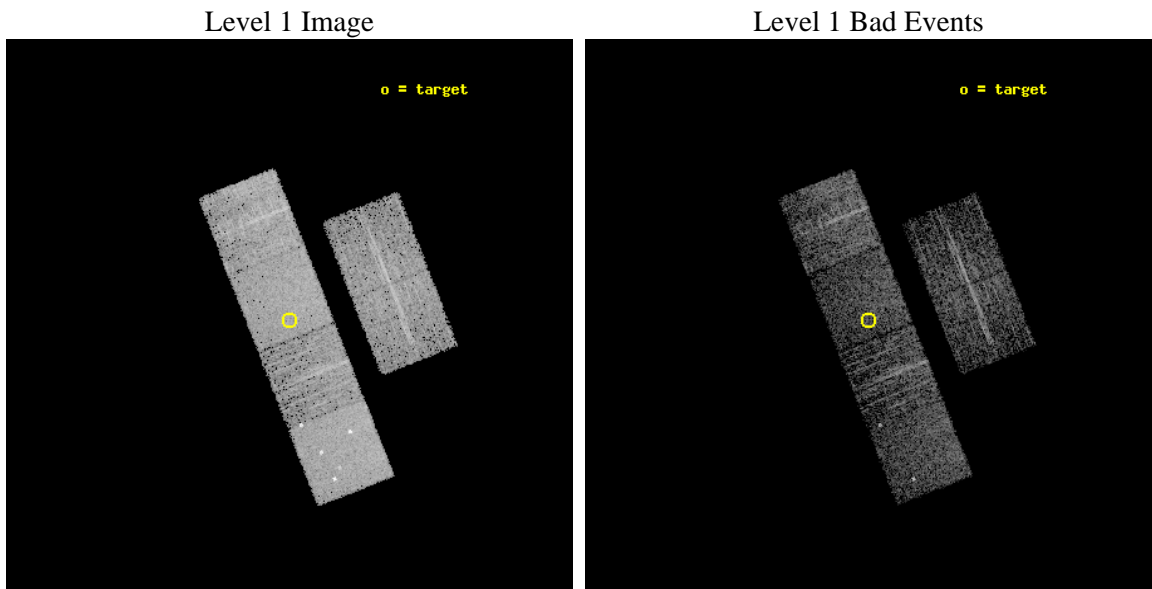
seq_num	900697	Sequence number
obs_id	8156	Observation id
title	ChICAGO GTO: Chandra Identification of Compact ASCA Galactic Objects	&#160
observer	Dr. Stephen Murray	Principal investigator
object	AX J170555-4104	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	256.482083	Observer's specified target RA [deg]
dec_targ	-41.083	Observer's specified target Dec [deg]
ra_nom	256.48324652228	Nominal RA [deg]
dec_nom	-41.087689347421	Nominal Dec [deg]
roll_nom	248.5099197481	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2438.3999909759	Sum of GTIs [s]
livetime	2407.5235020619	Livetime [s]
ontime2	2438.3999909759	Sum of GTIs [s]
ontime3	2438.3999909759	Sum of GTIs [s]
ontime5	2438.3999909759	Sum of GTIs [s]
ontime6	2438.3999909759	Sum of GTIs [s]
ontime7	2438.3999909759	Sum of GTIs [s]
ontime8	2435.1590306759	Sum of GTIs [s]
l2events	39012	Number of level 2 events



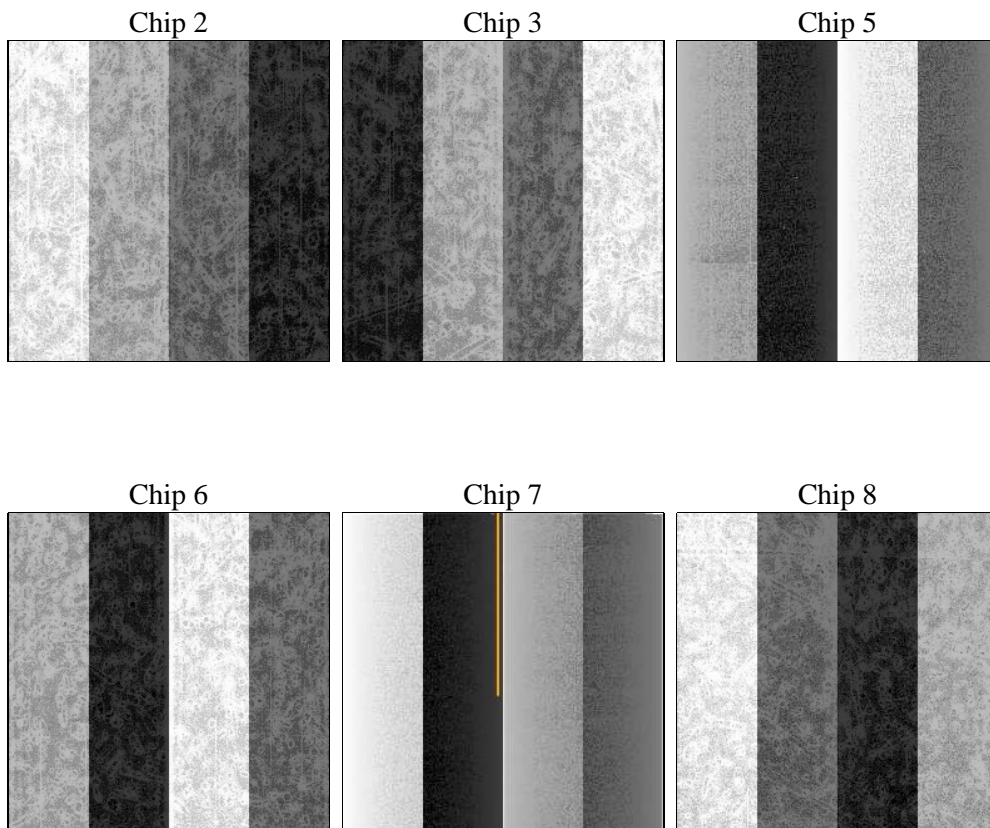
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2680.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2438.3999909759	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime2	2438.3999909759	Sum of GTIs [s]
date	2012-05-03T12:25:56	Date and time of file creation	ontime3	2438.3999909759	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2438.3999909759	Sum of GTIs [s]
			ontime6	2438.3999909759	Sum of GTIs [s]
			ontime7	2438.3999909759	Sum of GTIs [s]
			ontime8	2435.1590306759	Sum of GTIs [s]
			l1events	172315	Number of level 1 events

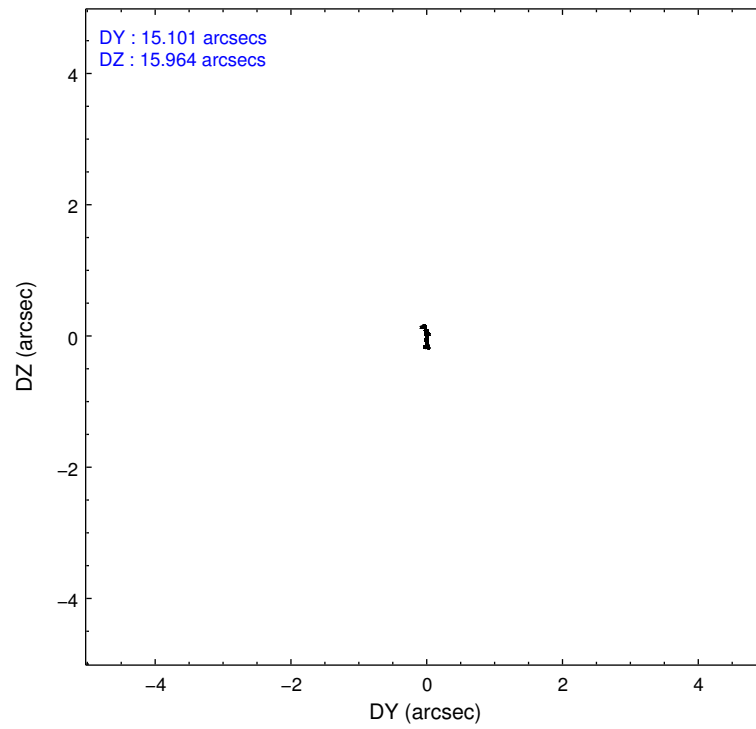
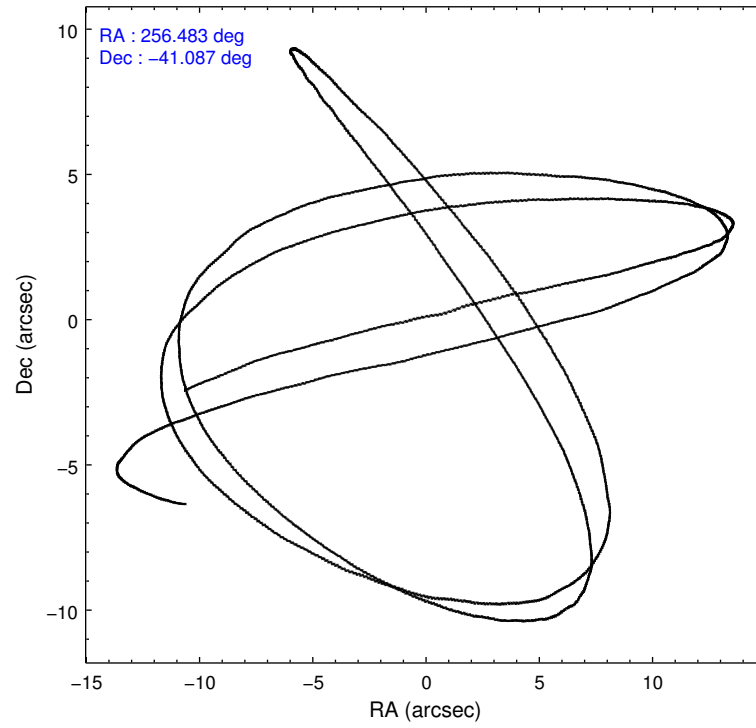
### 2.1.4 Events

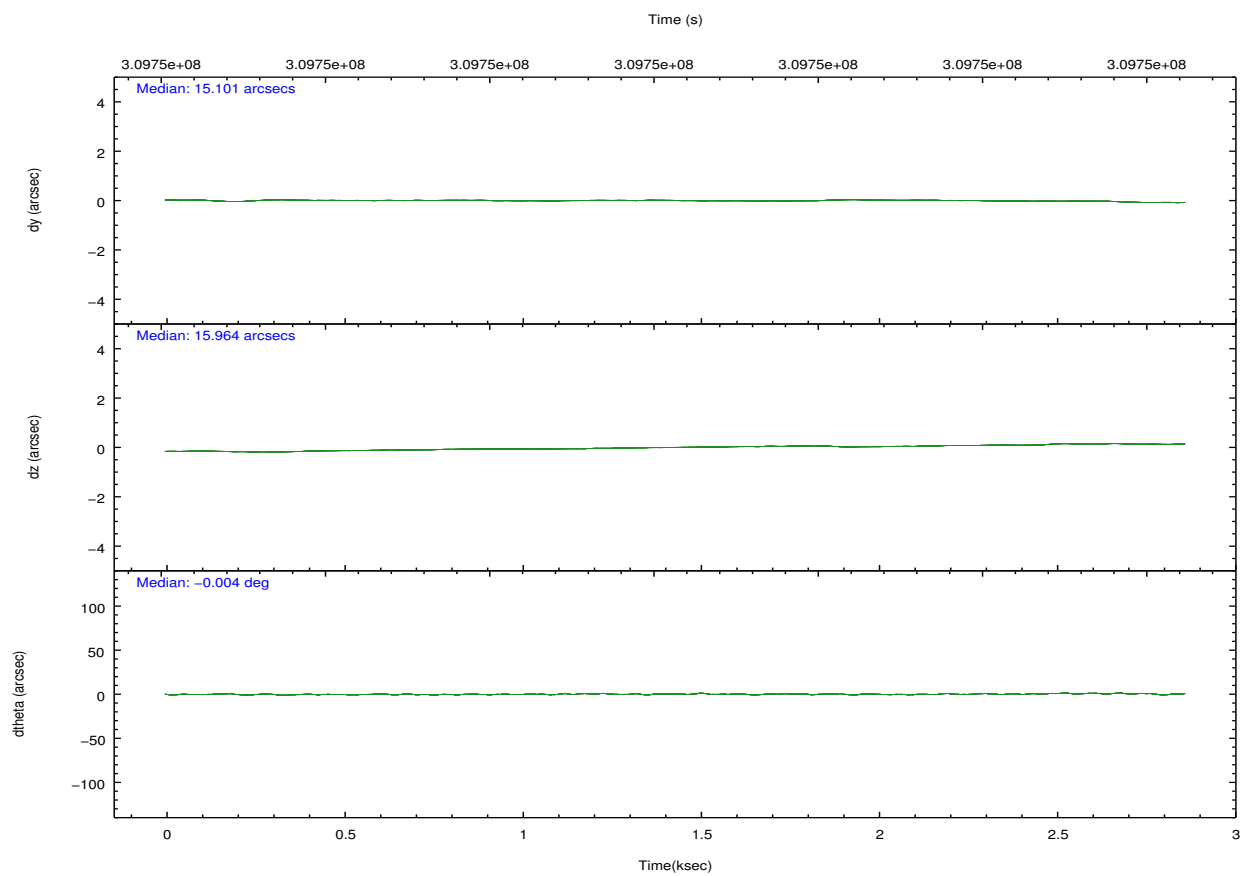
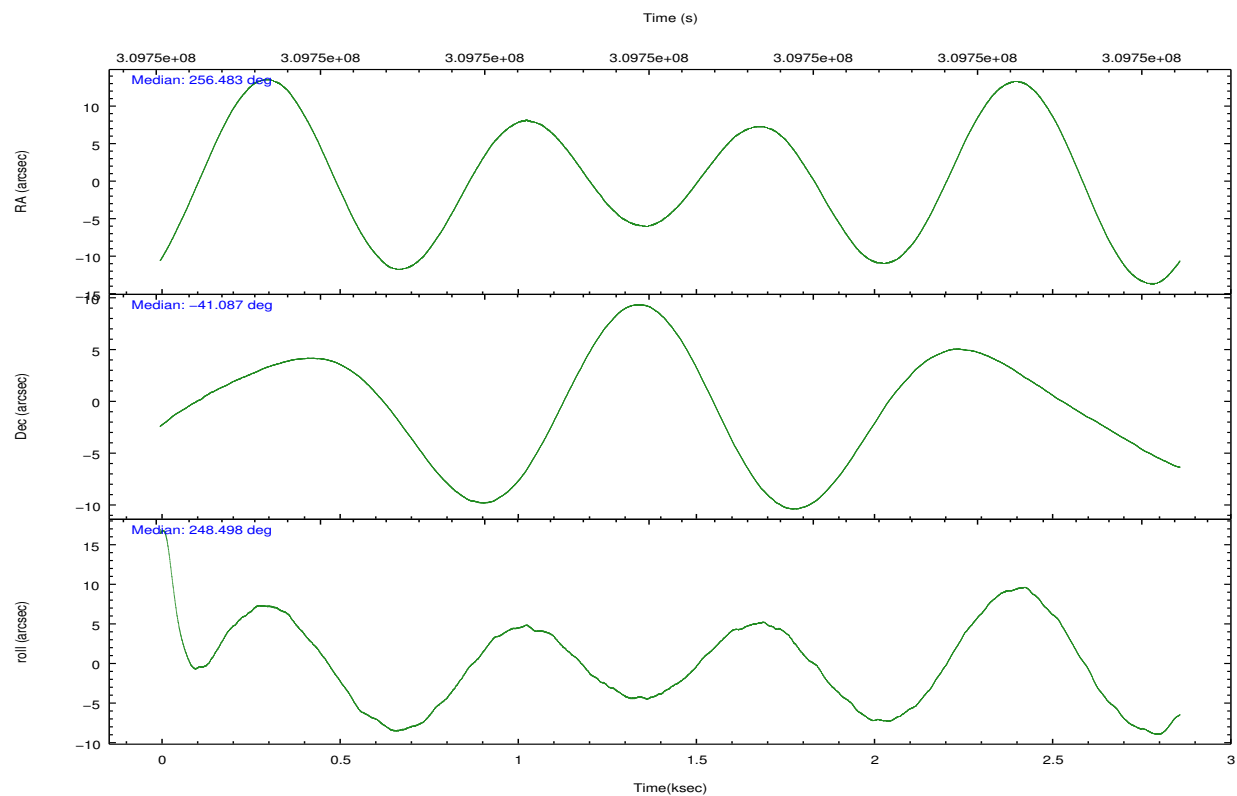
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	22647	21769	38344	22920	32669	33966	grade 0 events	1301	1219	2530	1148	1180	2059
rejected events	19804	18992	20037	20053	19159	27277		5%	5%	6%	5%	3%	6%
rejected %	87%	87%	52%	87%	58%	80%	grade 1 events	12	14	334	10	35	32
								0%	0%	0%	0%	0%	0%
							grade 2 events	581	543	5348	634	2890	1551
								2%	2%	13%	2%	8%	4%
							grade 3 events	251	271	633	251	1123	634
								1%	1%	1%	1%	3%	1%
							grade 4 events	269	246	678	264	1054	593
								1%	1%	1%	1%	3%	1%
							grade 5 events	963	1088	2622	1037	3020	1397
								4%	4%	6%	4%	9%	4%
							grade 6 events	442	503	9140	575	7289	1853
								1%	2%	23%	2%	22%	5%
							grade 7 events	18828	17885	17059	19001	16078	25847
								83%	82%	44%	82%	49%	76%

## 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	256.477365	256.4832465222842	CCD I2 on	O2	Y
[deg] Pointing Dec	-41.060786	-41.08768934742135	CCD I3 on	O3	Y
[deg] Pointing Roll	248.349429	248.5099197481011	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)	309748817.184000	309748441.4234	CCD S5 on	N	N
Observation start date	2007-10-26T01:19:12	2007-10-26T01:14:01	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	309751497.184000	309751768.06106	On-chip summing requested	N	N
Observation end date	2007-10-26T02:03:52	2007-10-26T02:09:28	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect





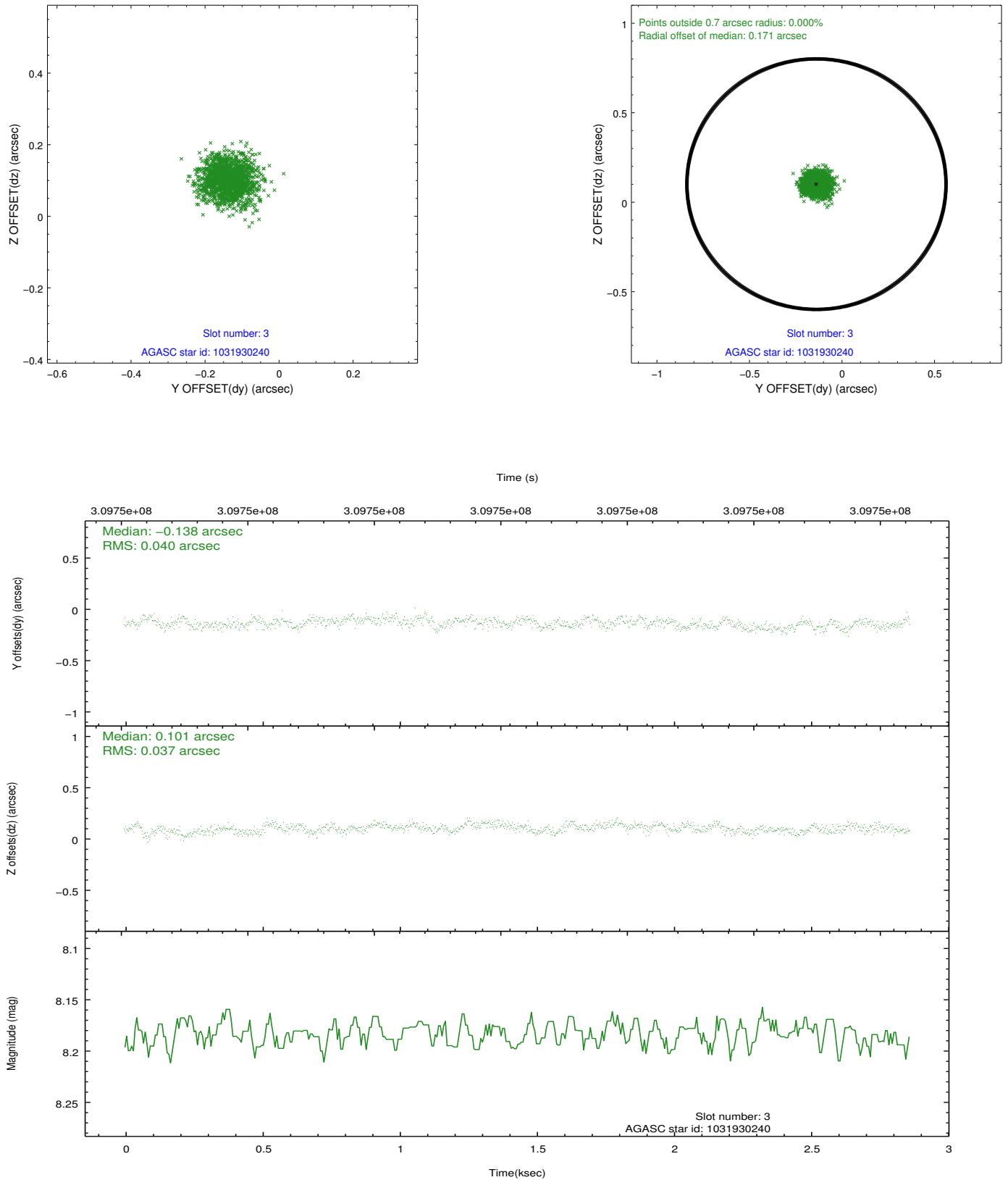
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	699	-0.094	-0.020	0.011	0.020	0.000000	0.000000	-768.16	-1737.32
1	FID	ACIS-S-4	7.19	699	0.191	0.051	0.010	0.018	0.000000	0.000000	2144.37	168.90
2	FID	ACIS-S-5	7.22	699	-0.128	-0.021	0.011	0.021	0.000000	0.000000	-1818.17	165.06
3	GUIDE	1031930240	8.18	1398	-0.138	0.101	0.058	0.090	257.160708	-40.849868	-1385.31	1452.06
4	GUIDE	1031930696	6.90	1398	-0.025	0.078	0.068	0.108	257.072028	-41.024503	-712.92	1456.10
5	GUIDE	1031938144	8.50	1395	-0.005	-0.009	0.088	0.146	255.693343	-40.912652	300.69	-2174.42
6	GUIDE	1032462424	8.00	1398	0.009	-0.160	0.073	0.127	257.030418	-41.723974	1678.47	2262.07
7	GUIDE	1032466120	9.15	1397	0.160	-0.008	0.084	0.139	255.616572	-41.318828	1735.37	-1814.23

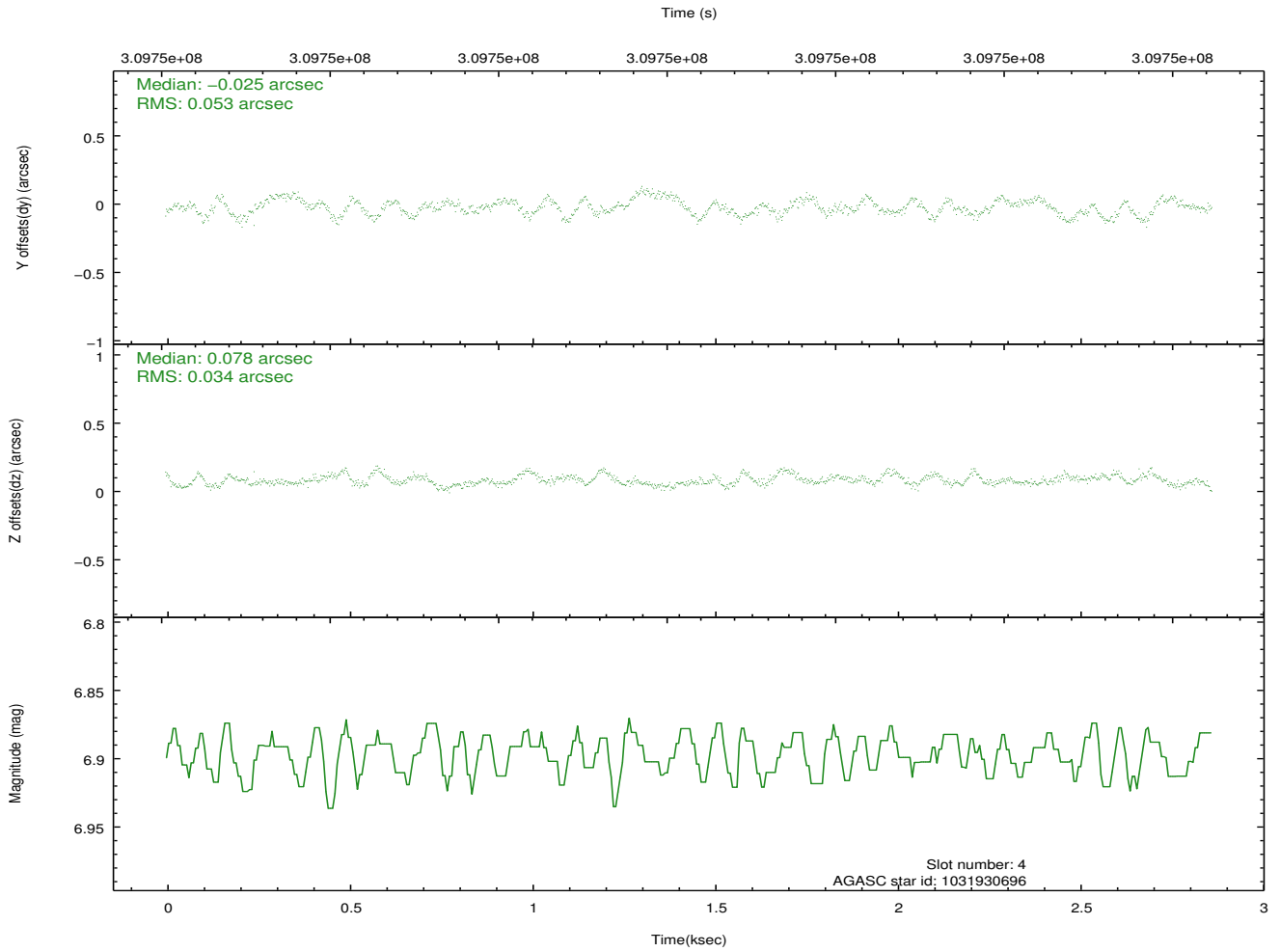
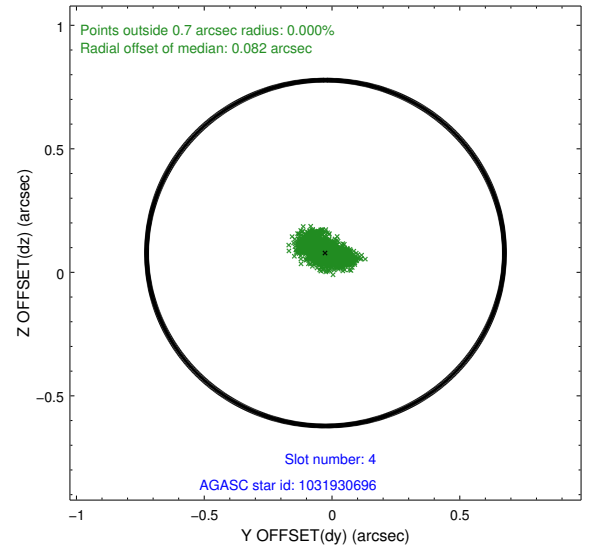
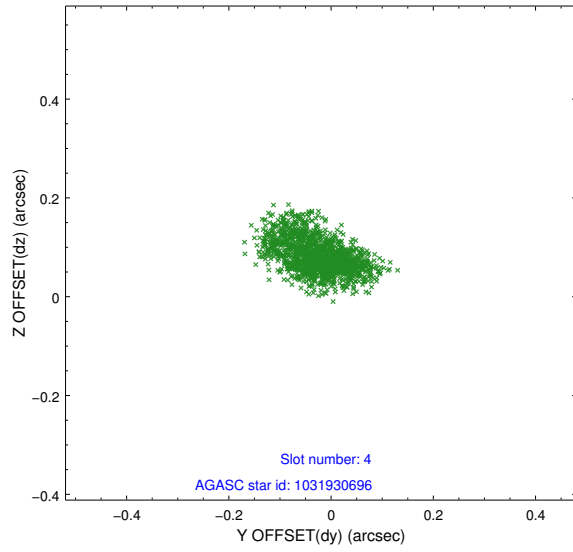


## 2.4 Star Slots

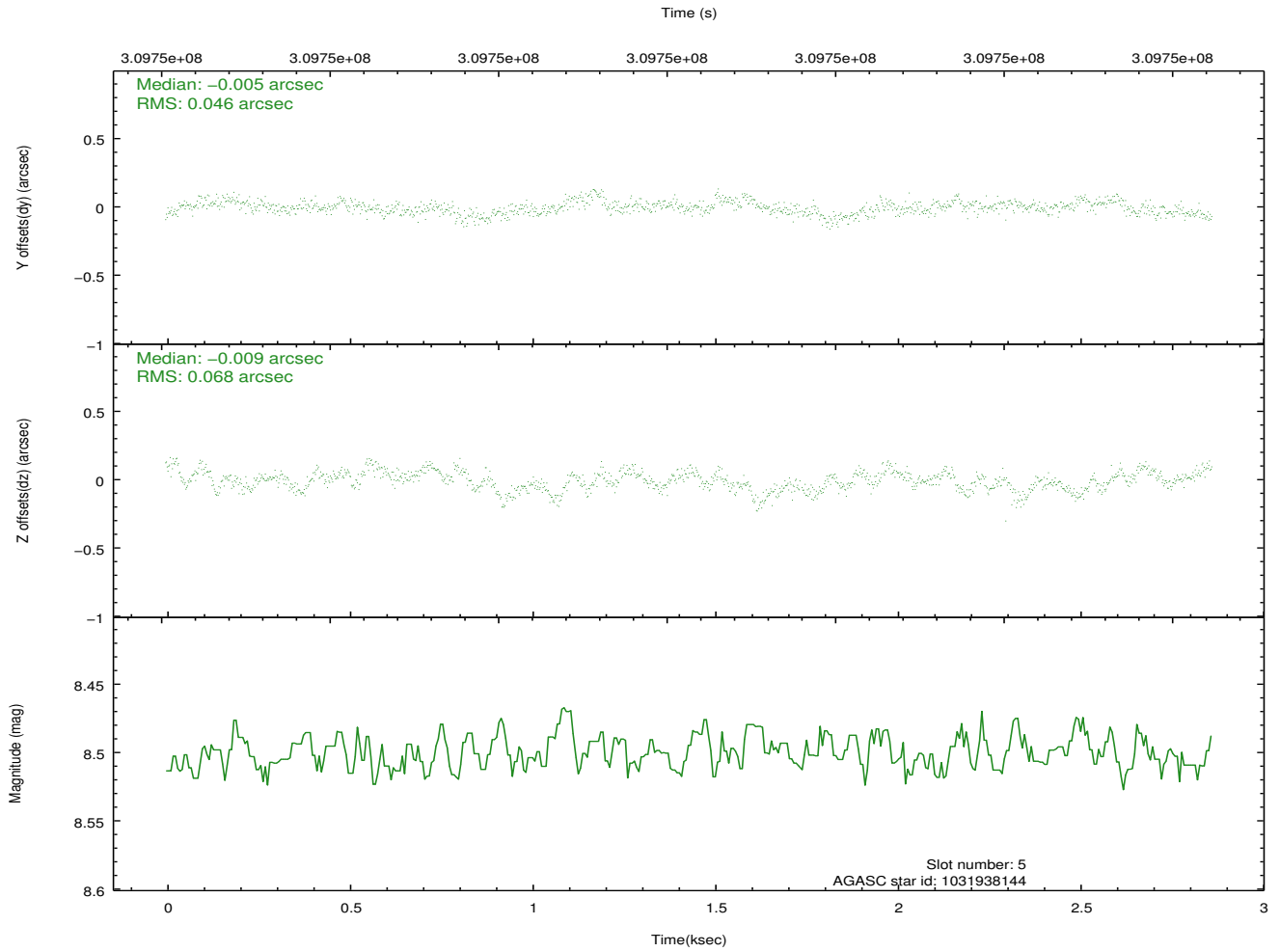
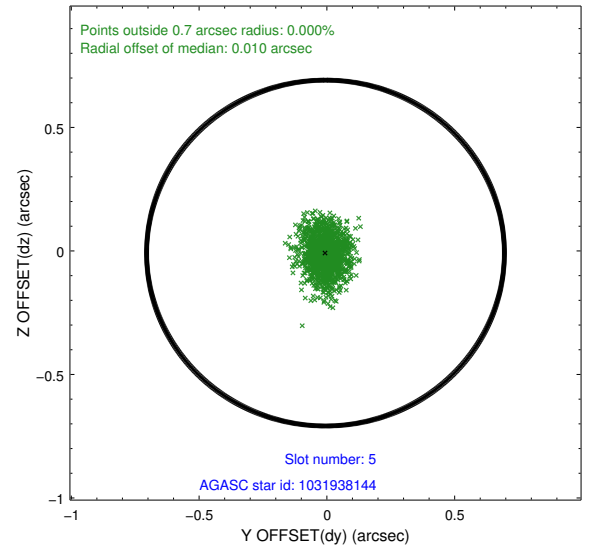
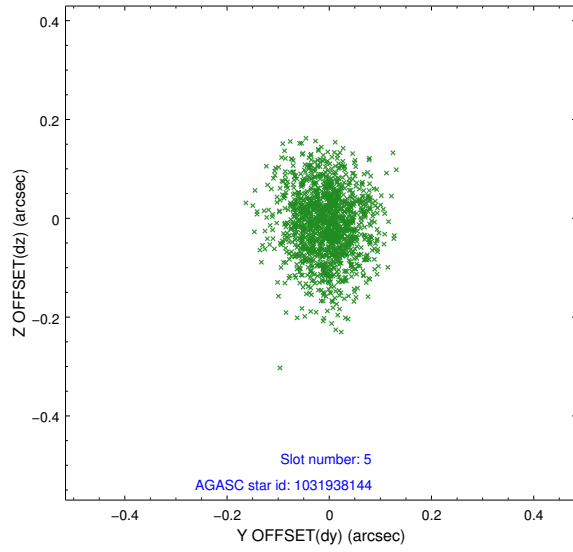
### 2.4.1 Slot 3



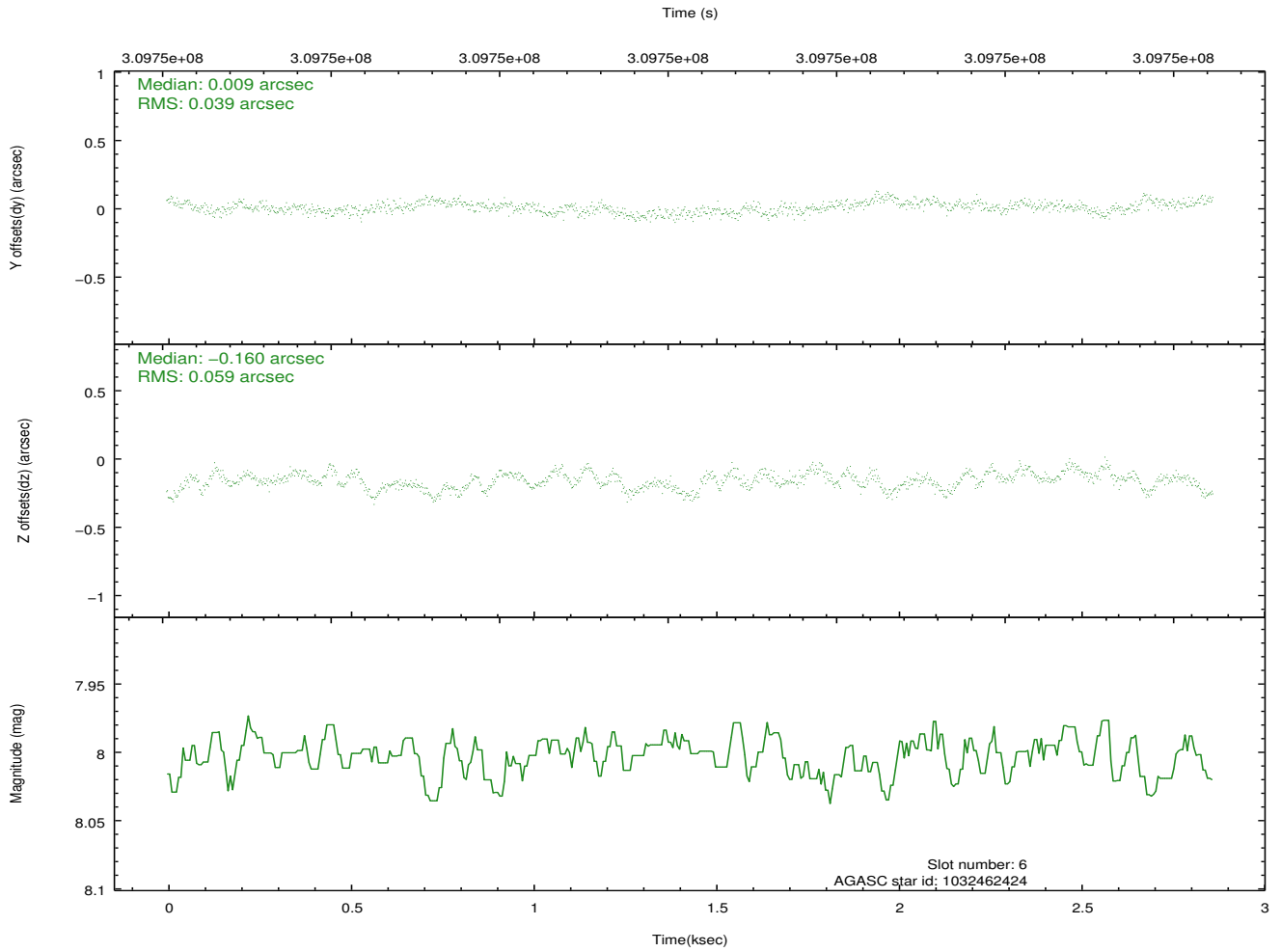
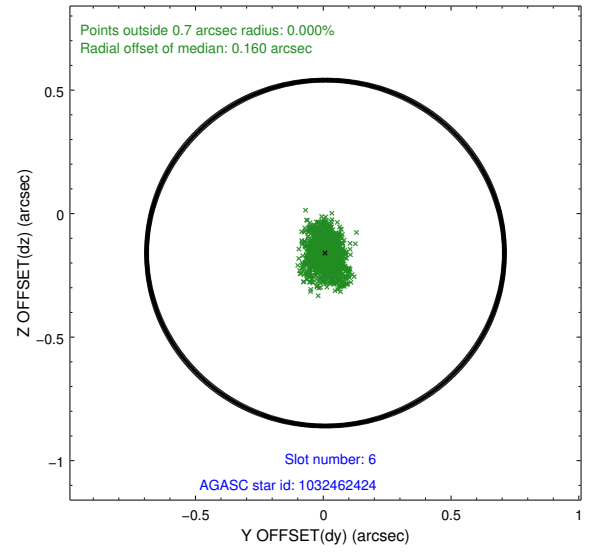
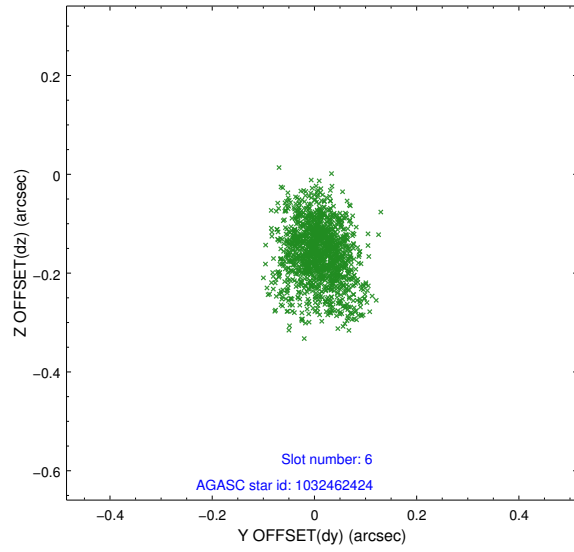
## 2.4.2 Slot 4



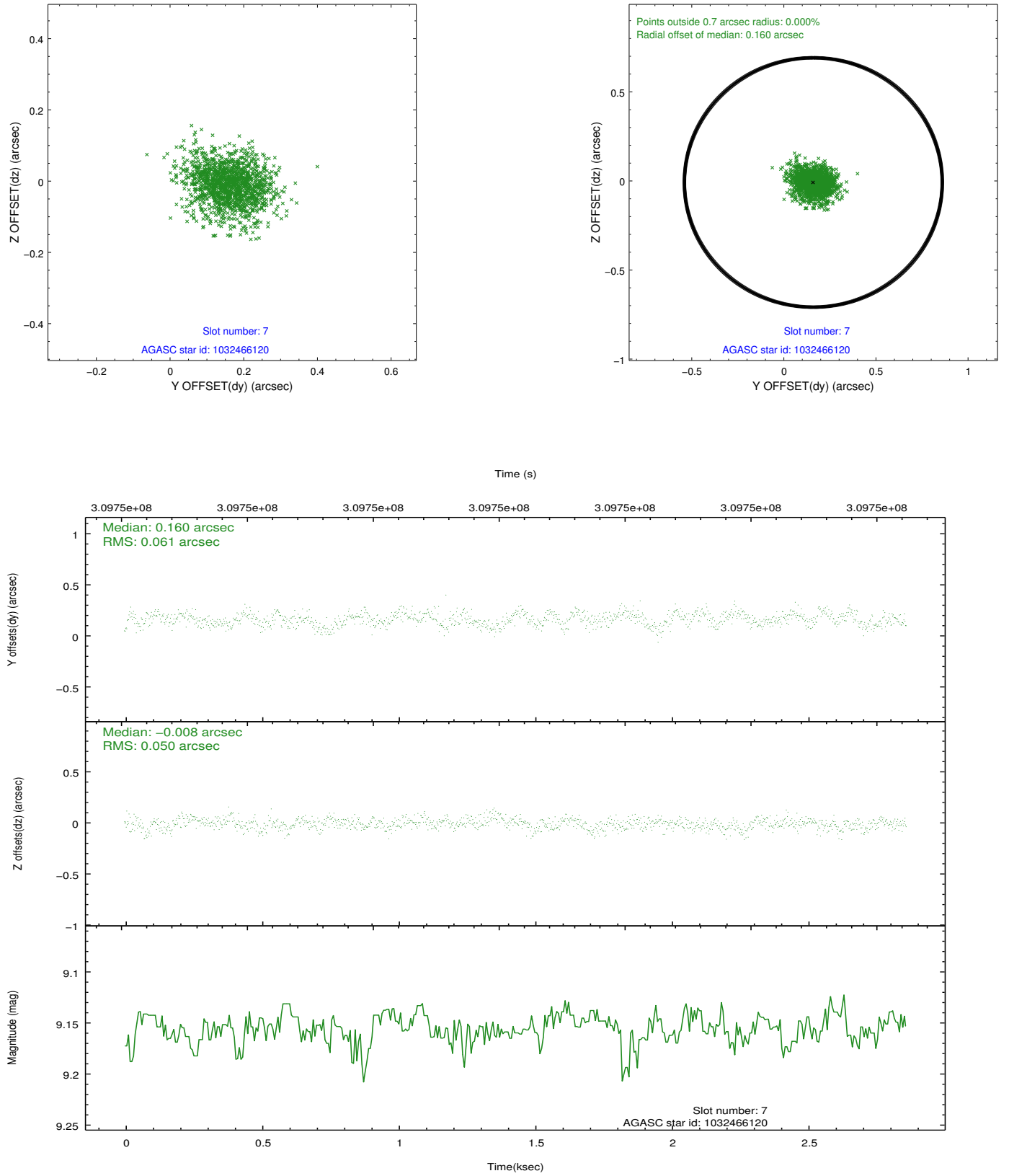
### 2.4.3 Slot 5



## 2.4.4 Slot 6

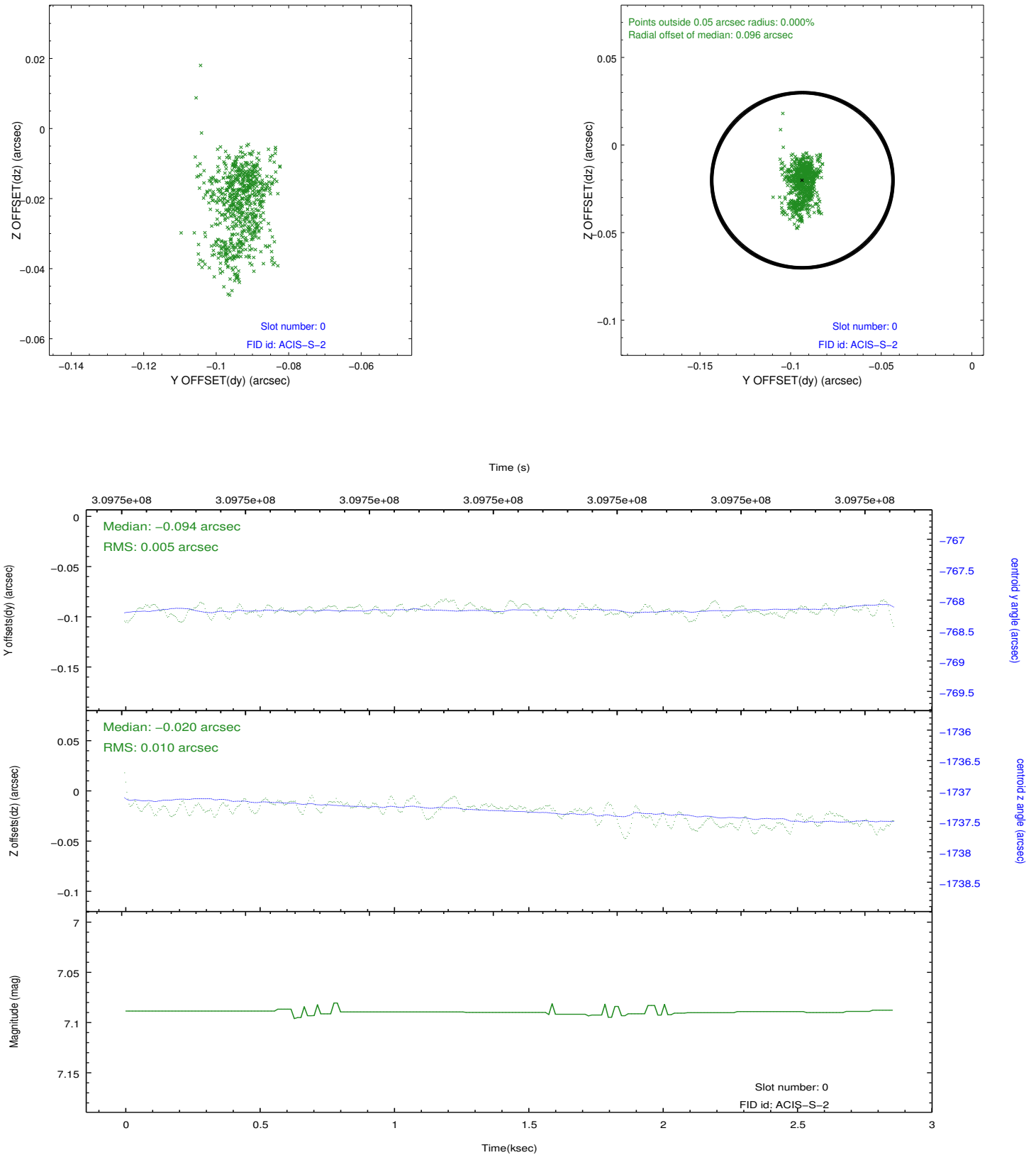


## 2.4.5 Slot 7

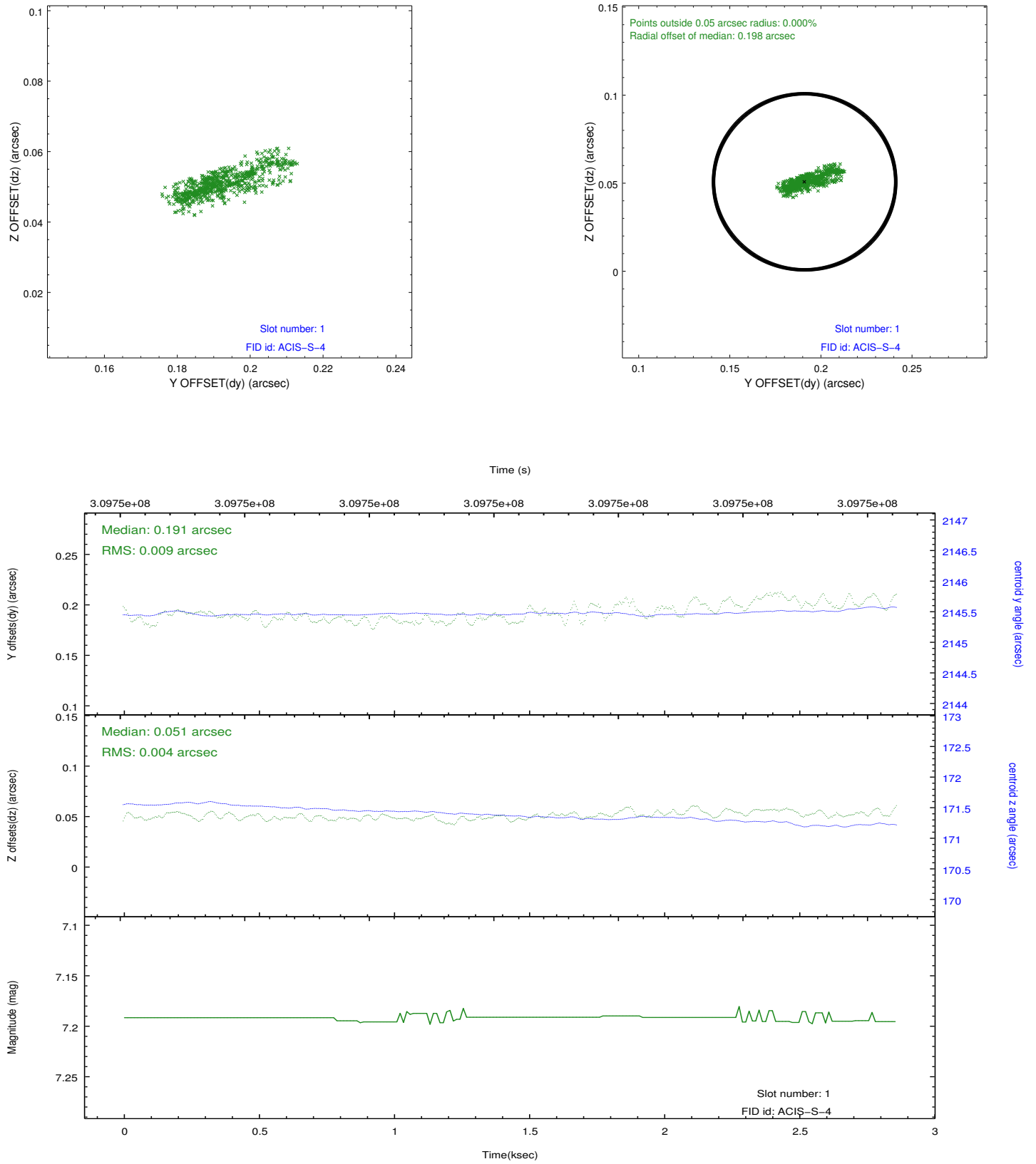


## 2.5 FID Slots

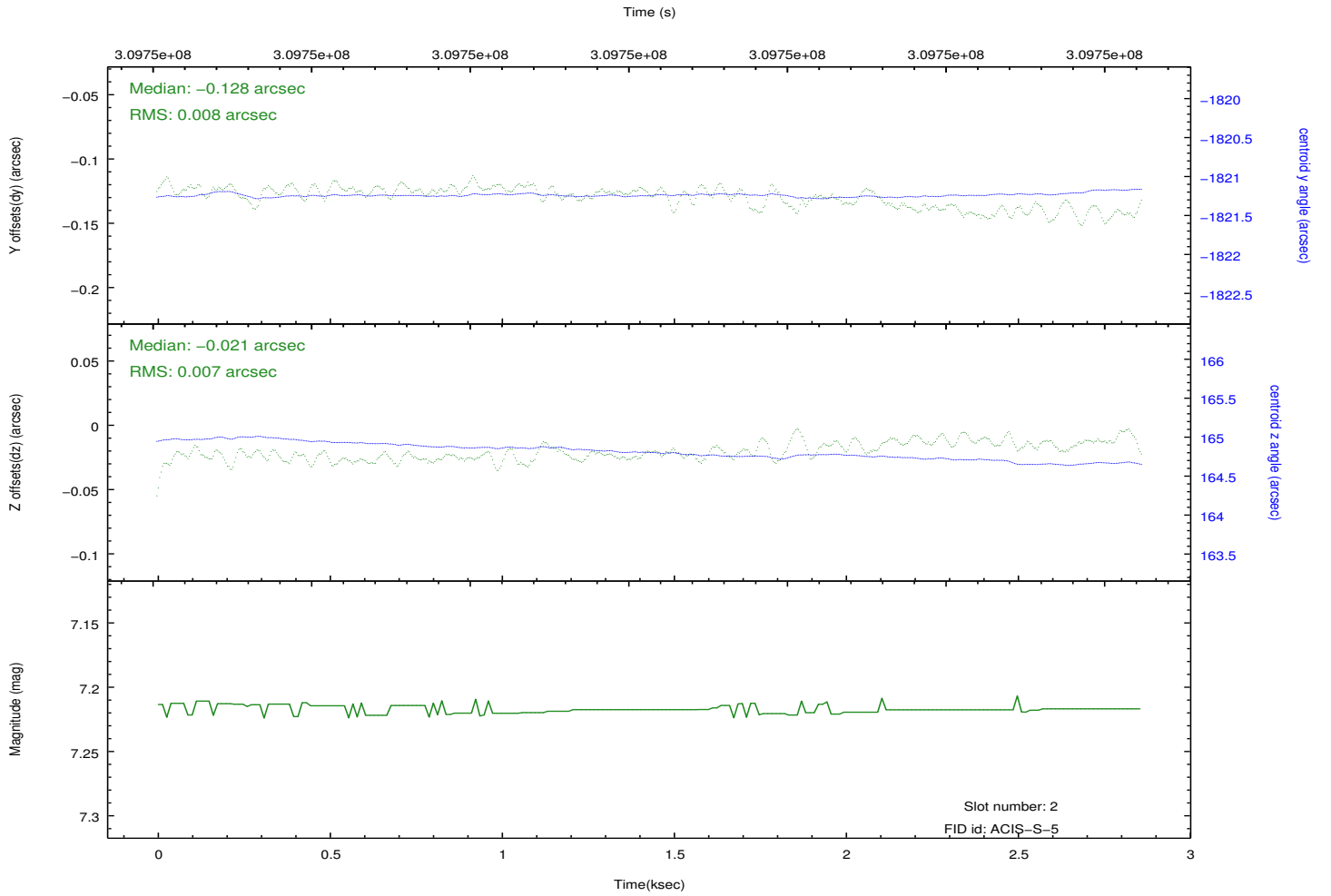
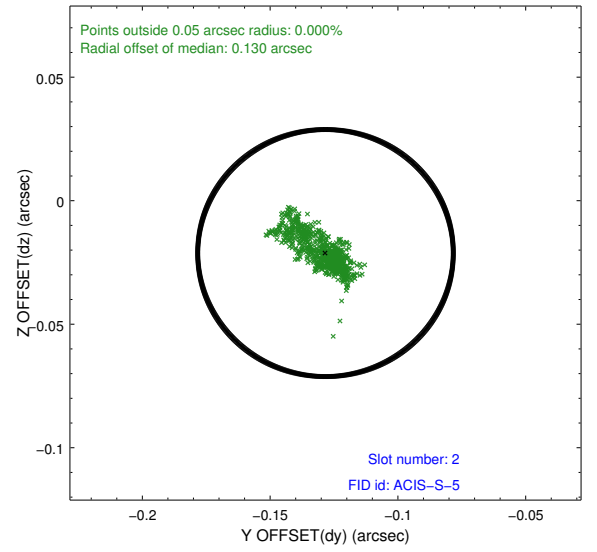
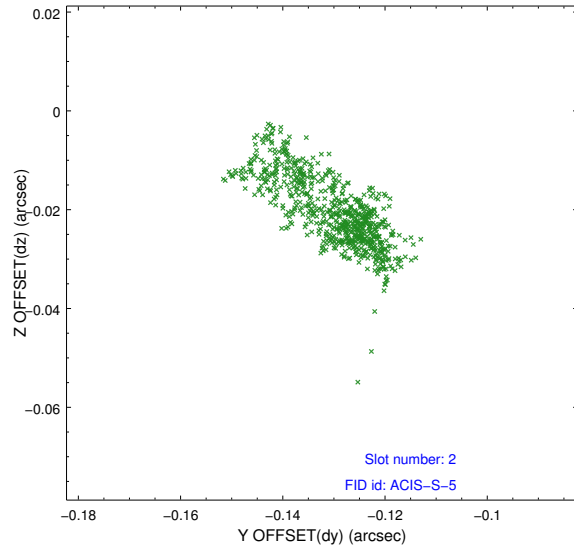
### 2.5.1 Slot 0



## 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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.43839999

### A.2 Comments