

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11114 - L2 Version 2  
Chandra X-Ray Center

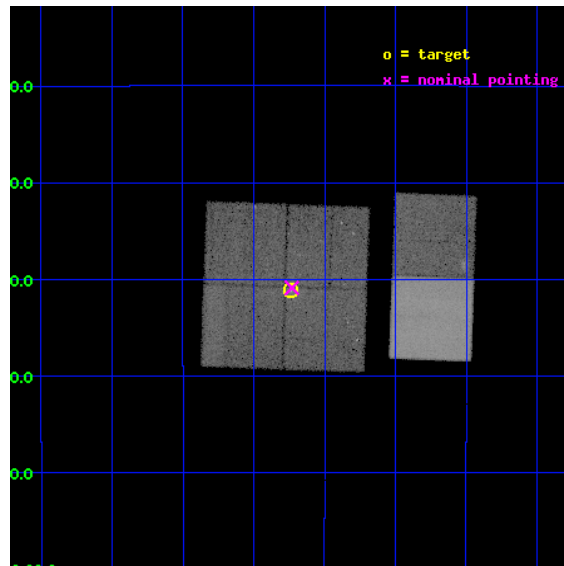
L2 Processing Date : Jun 23 2012

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# 1 Front

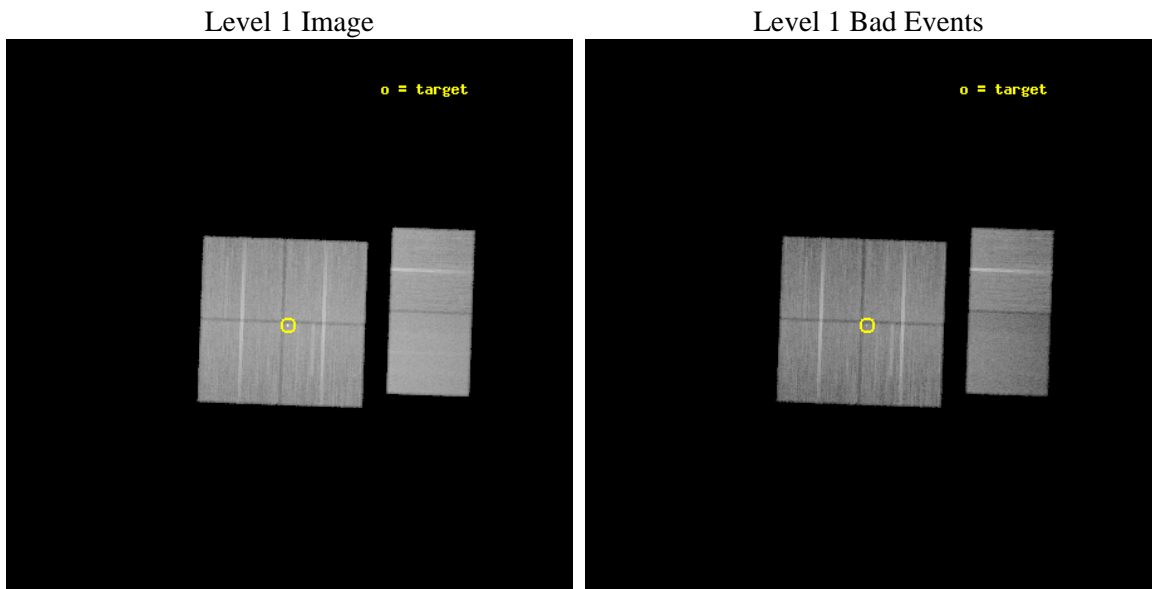
seq_num	501199	Sequence number
obs_id	11114	Observation id
title	TOO Observations of Soft Gamma Repeaters	Proposal title
observer	Dr. CHRYSSA KOUVELIOTOU	Principal investigator
object	SGR 1833-0833	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.435208	Observer's specified target RA [deg]
dec_targ	-8.518806	Observer's specified target Dec [deg]
ra_nom	278.4326170886	Nominal RA [deg]
dec_nom	-8.5144919027466	Nominal Dec [deg]
roll_nom	92.010735309692	Nominal Roll [deg]
revision	2	Processing version of data
ontime	33545.599875093	Sum of GTIs [s]
livetime	33120.825290739	Livetime [s]
ontime0	33545.599875093	Sum of GTIs [s]
ontime1	33545.599875093	Sum of GTIs [s]
ontime2	33545.599875093	Sum of GTIs [s]
ontime3	33545.599875093	Sum of GTIs [s]
ontime6	33545.599875093	Sum of GTIs [s]
ontime7	33545.599875093	Sum of GTIs [s]
l2events	274061	Number of level 2 events



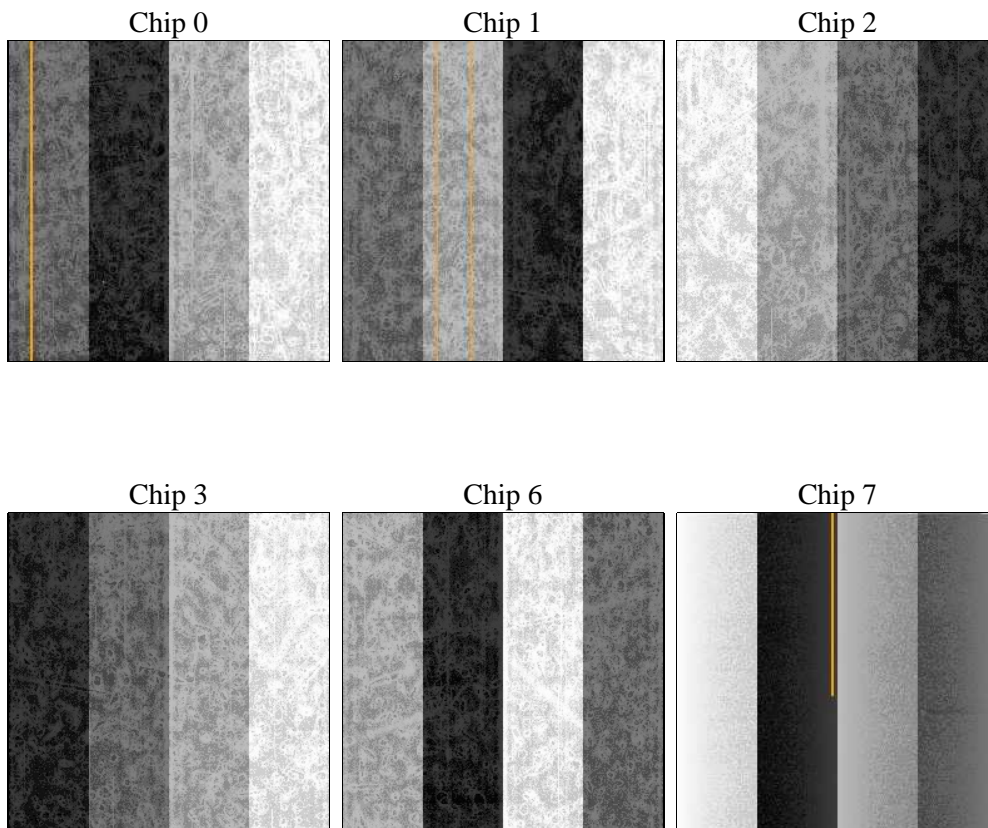
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	33500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	33545.599875093	Sum of GTIs [s]
caldbver	4.4.10	&#160	ontime0	33545.599875093	Sum of GTIs [s]
date	2012-06-23T05:50:39	Date and time of file creation	ontime1	33545.599875093	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	33545.599875093	Sum of GTIs [s]
			ontime3	33545.599875093	Sum of GTIs [s]
			ontime6	33545.599875093	Sum of GTIs [s]
			ontime7	33545.599875093	Sum of GTIs [s]
			l1events	1623604	Number of level 1 events

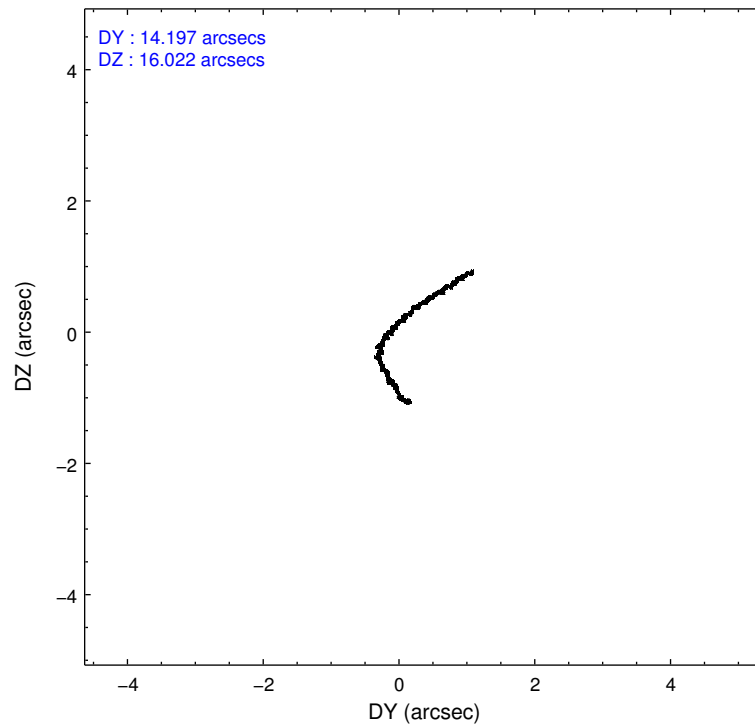
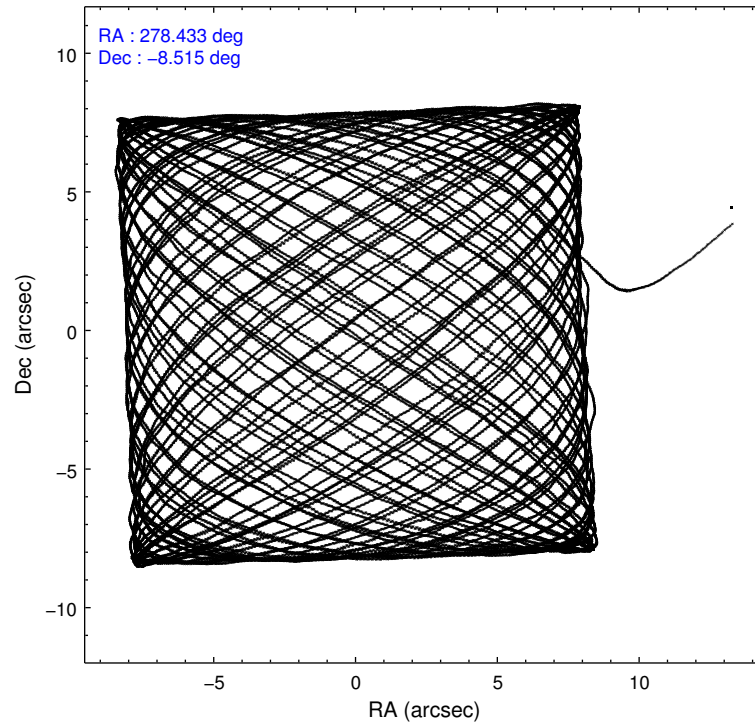
### 2.1.4 Events

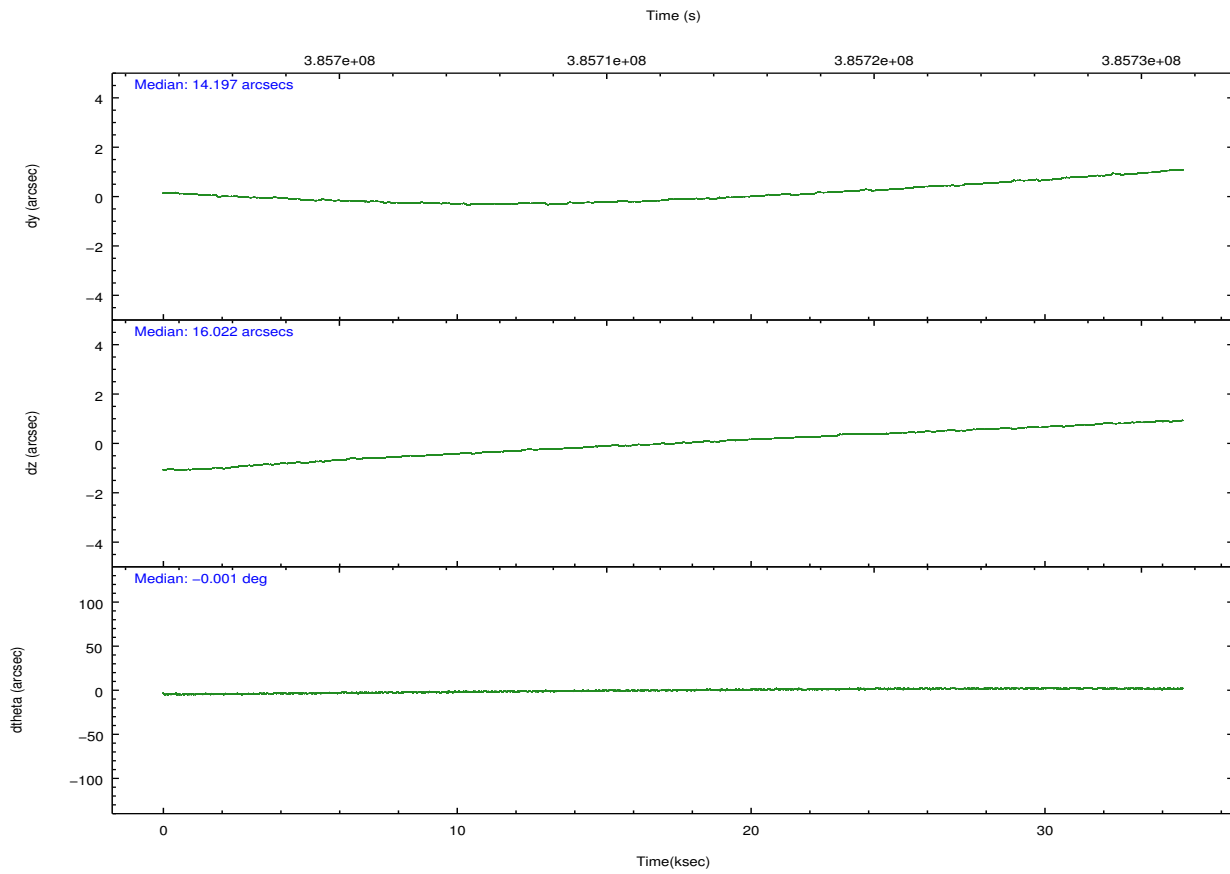
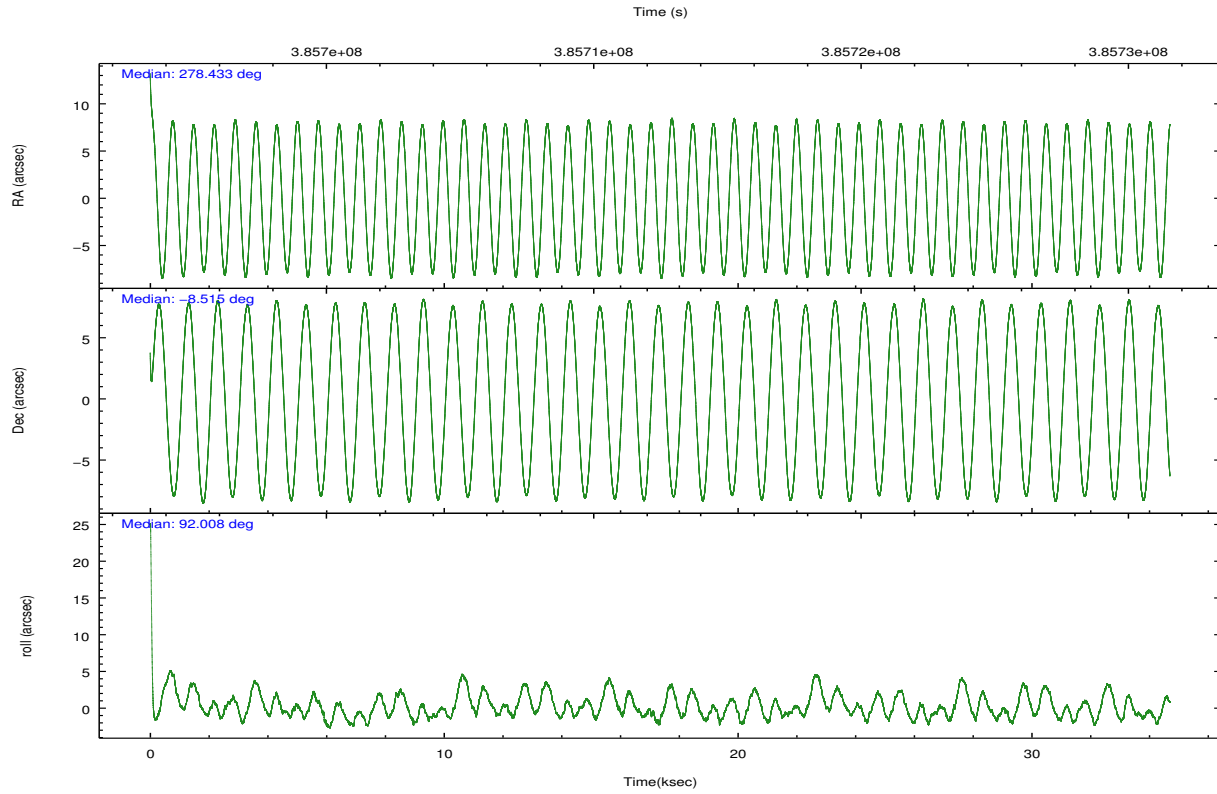
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	243469	247046	270100	266401	280291	316297	grade 0 events	11020	12148	12098	13305	11428	13453
rejected events	213048	214432	239141	234083	249007	171551		4%	4%	4%	4%	4%	4%
rejected %	87%	86%	88%	87%	88%	54%	grade 1 events	144	127	173	292	155	439
								0%	0%	0%	0%	0%	0%
							grade 2 events	7415	7459	7199	6682	7094	29728
								3%	3%	2%	2%	2%	9%
							grade 3 events	3305	3384	3107	3299	3170	12951
								1%	1%	1%	1%	1%	4%
							grade 4 events	2945	3242	3130	3187	3046	12848
								1%	1%	1%	1%	1%	4%
							grade 5 events	10537	11122	10010	11708	11989	32957
								4%	4%	3%	4%	4%	10%
							grade 6 events	5739	6386	5433	5851	6550	75791
								2%	2%	2%	2%	2%	23%
							grade 7 events	202364	203178	228950	222077	236859	138130
								83%	82%	84%	83%	84%	43%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	278.447445	278.4326170885964	CCD I2 on	Y	Y
[deg] Pointing Dec	-8.537772	-8.51449190274656	CCD I3 on	Y	Y
[deg] Pointing Roll	91.804241	92.01073530969155	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	385696331.184000	385694197.37904	CCD S5 on	N	N
Observation start date	2010-03-23T01:51:05	2010-03-23T01:16:37	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	385729831.184000	385731089.69341	On-chip summing requested	N	N
Observation end date	2010-03-23T11:09:25	2010-03-23T11:31:29	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect



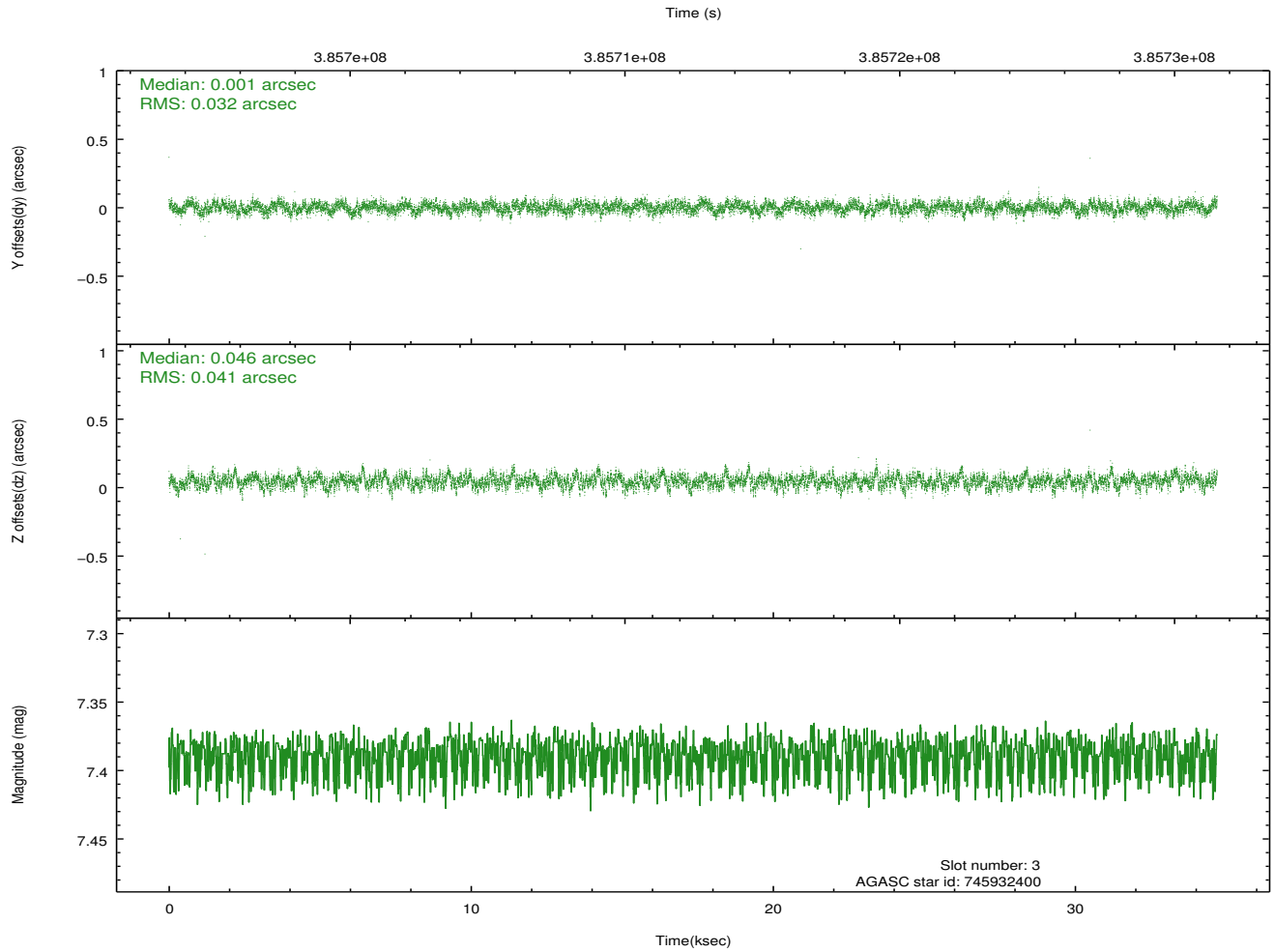
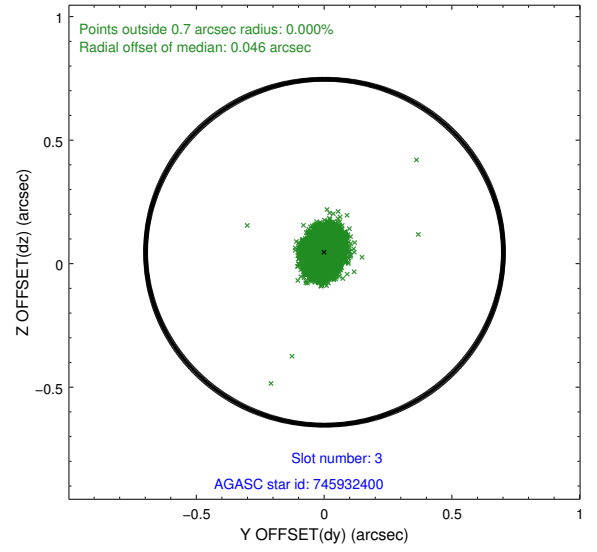
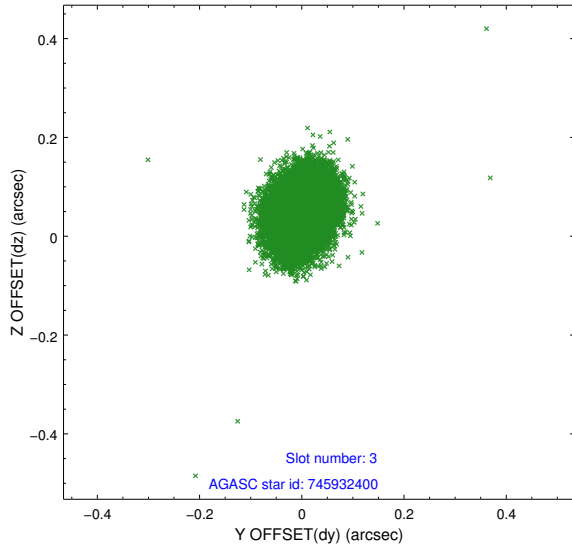


### Slot Statistics

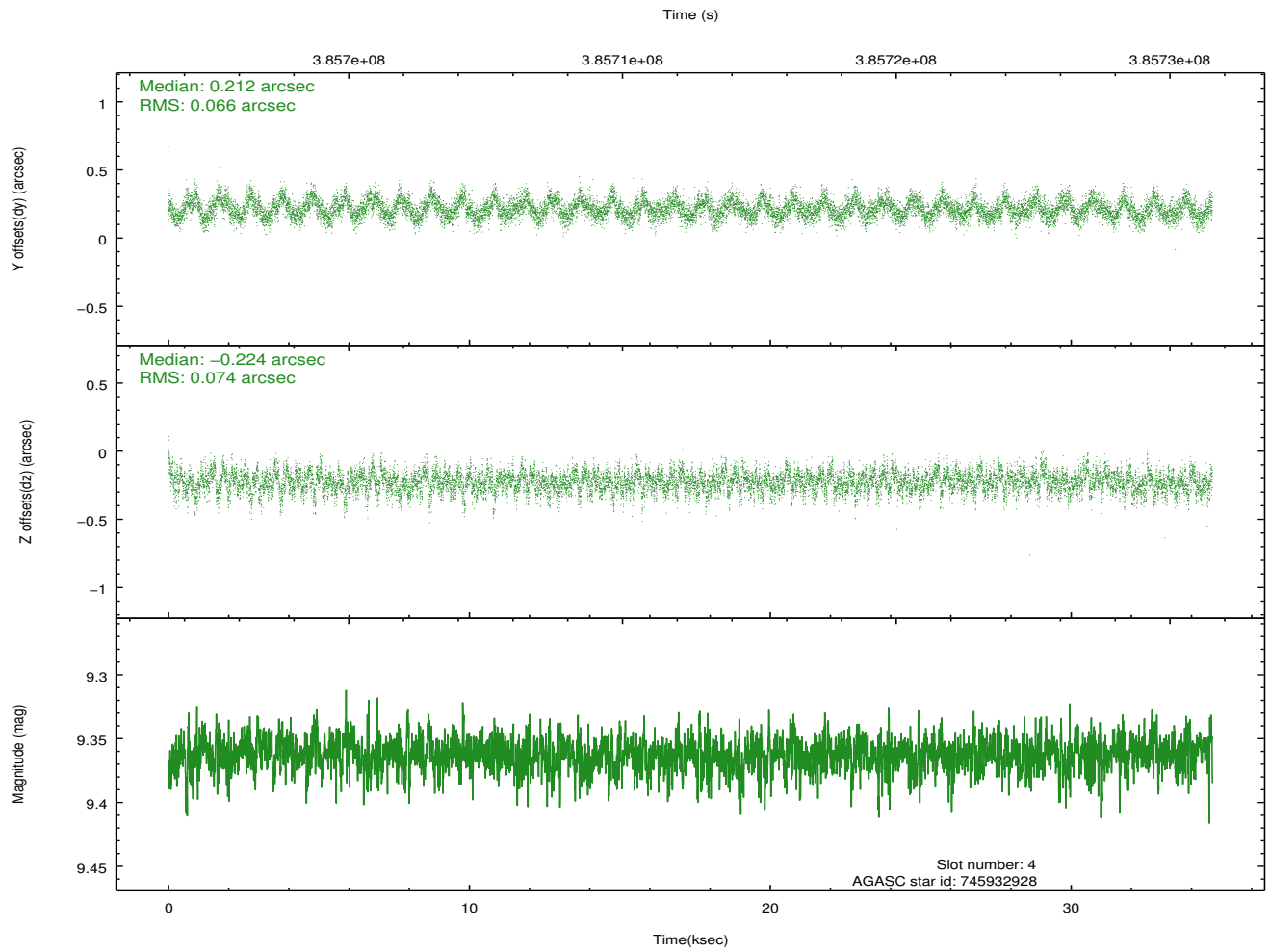
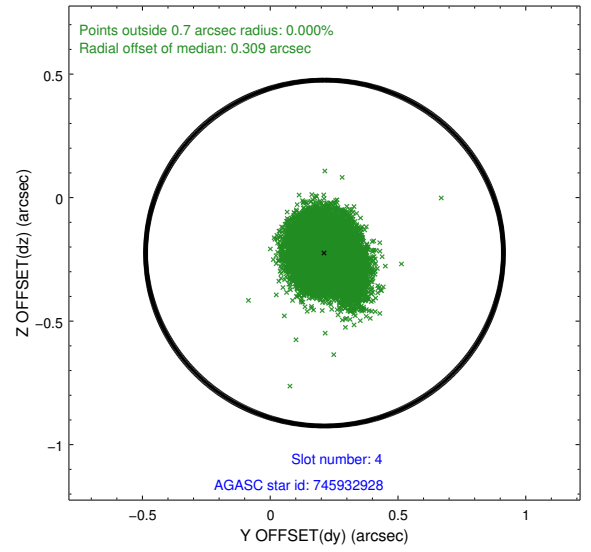
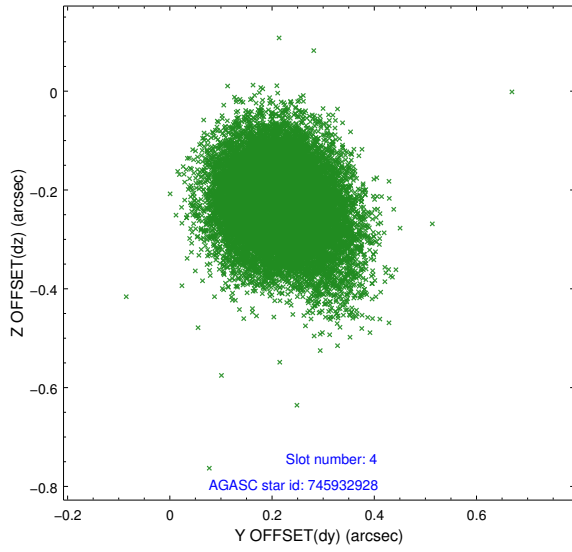
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.04	8463	0.065	-0.044	0.020	0.041	0.000000	0.000000	925.21	-839.67
1	FID	ACIS-I-5	7.04	8463	-0.227	0.060	0.016	0.023	0.000000	0.000000	-1823.15	1057.91
2	FID	ACIS-I-6	7.04	8462	0.071	0.053	0.013	0.027	0.000000	0.000000	390.73	1702.44
3	GUIDE	745932400	7.39	16927	0.001	0.046	0.055	0.089	278.879477	-8.689912	-596.37	-1519.22
4	GUIDE	745932928	9.36	16902	0.212	-0.224	0.104	0.171	278.034432	-8.686351	-488.75	1485.79
5	GUIDE	745936608	9.23	16911	-0.436	-0.057	0.092	0.148	278.164164	-7.996010	1980.59	948.36
6	GUIDE	745936792	8.65	16921	0.279	0.005	0.074	0.120	278.841392	-9.051493	-1892.60	-1341.49
7	GUIDE	745938104	8.05	16919	-0.057	0.231	0.066	0.106	279.090231	-8.877678	-1296.81	-2246.34

## 2.4 Star Slots

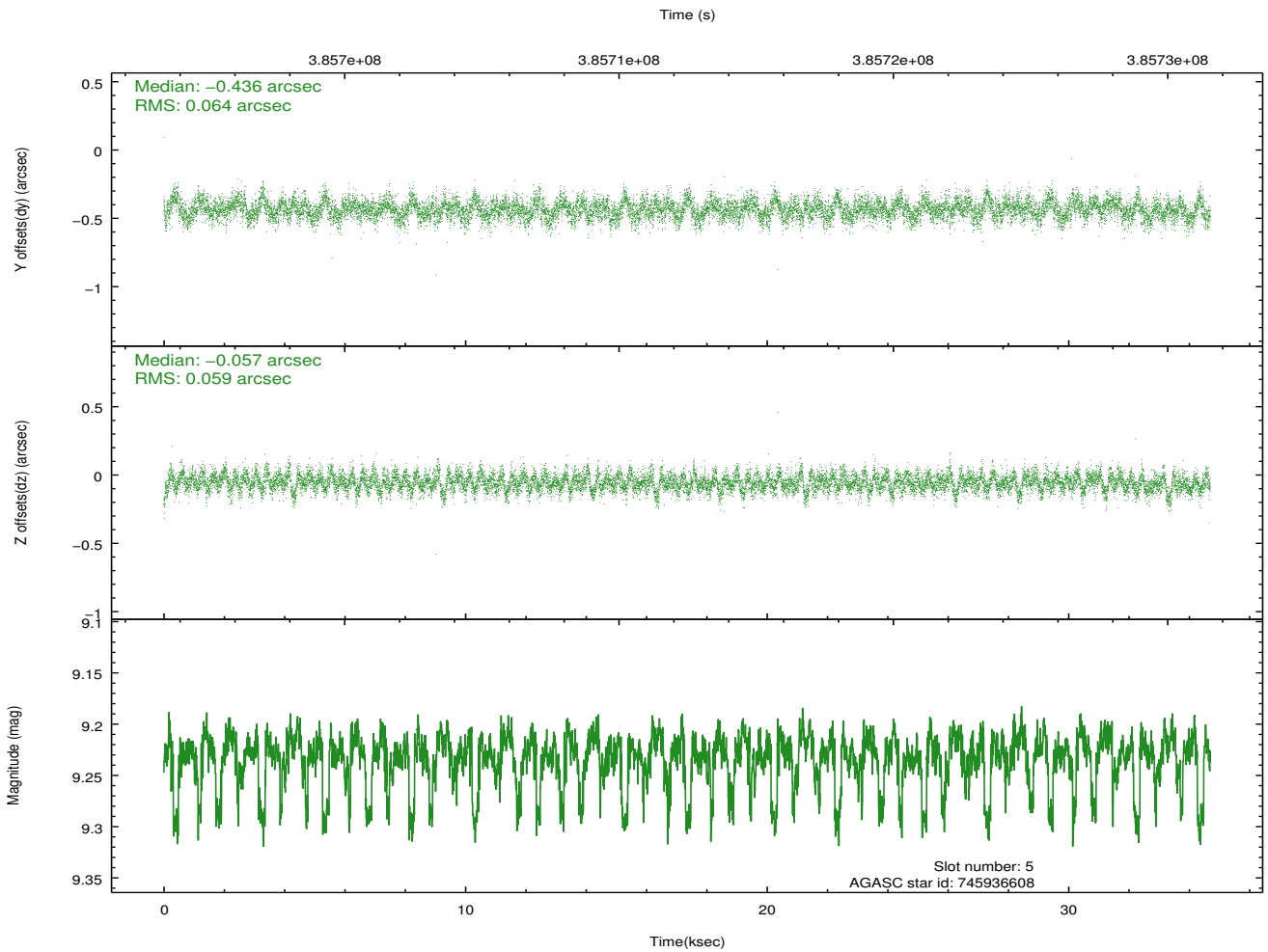
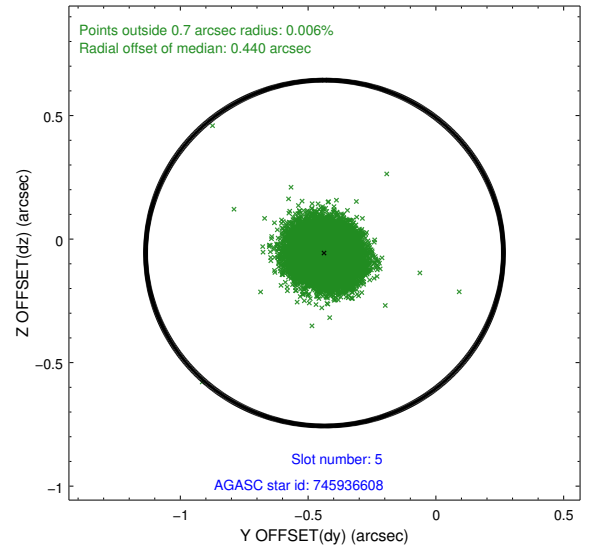
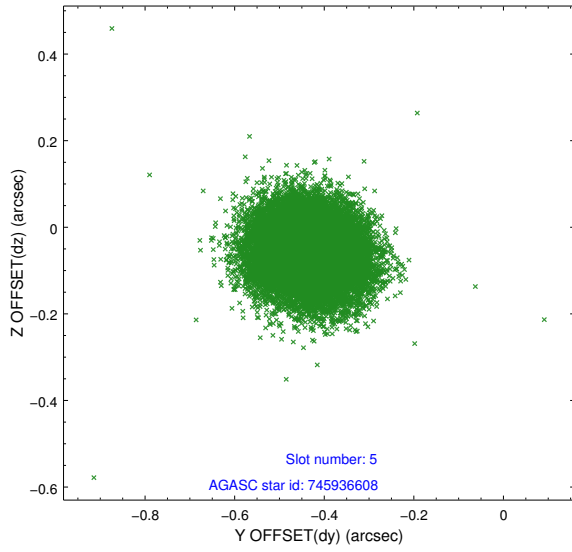
### 2.4.1 Slot 3



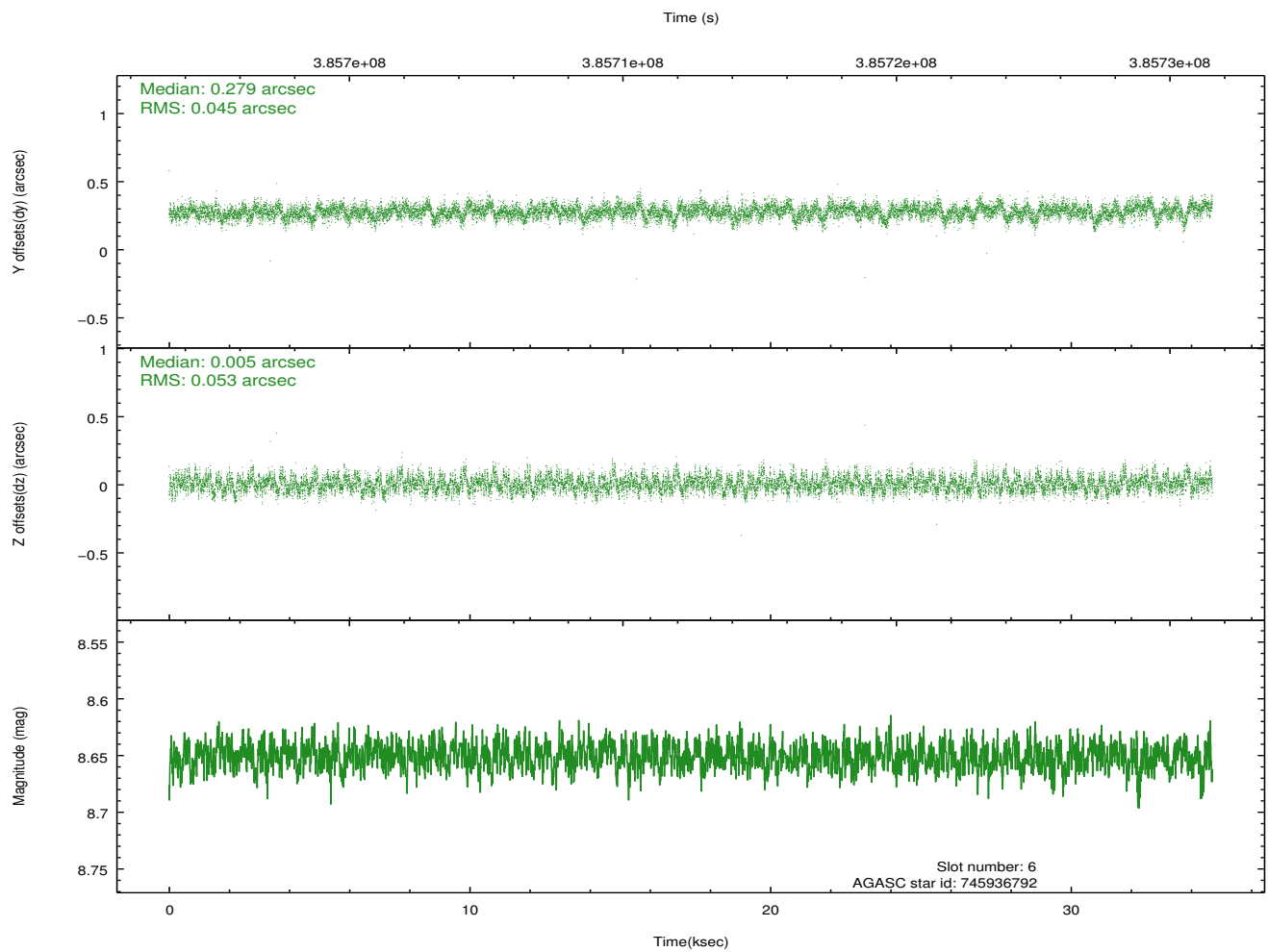
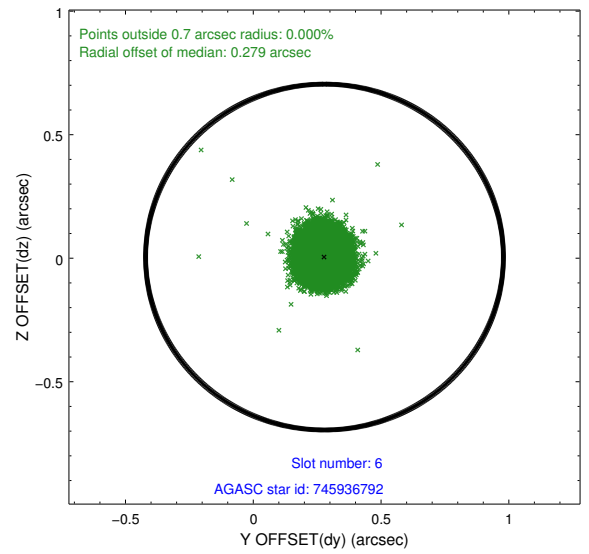
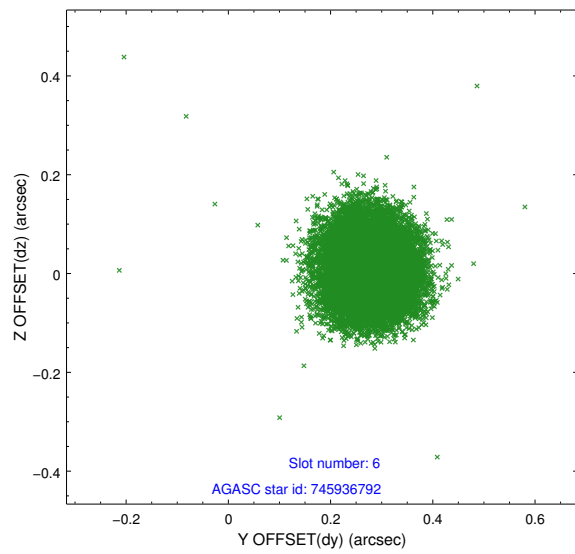
### 2.4.2 Slot 4



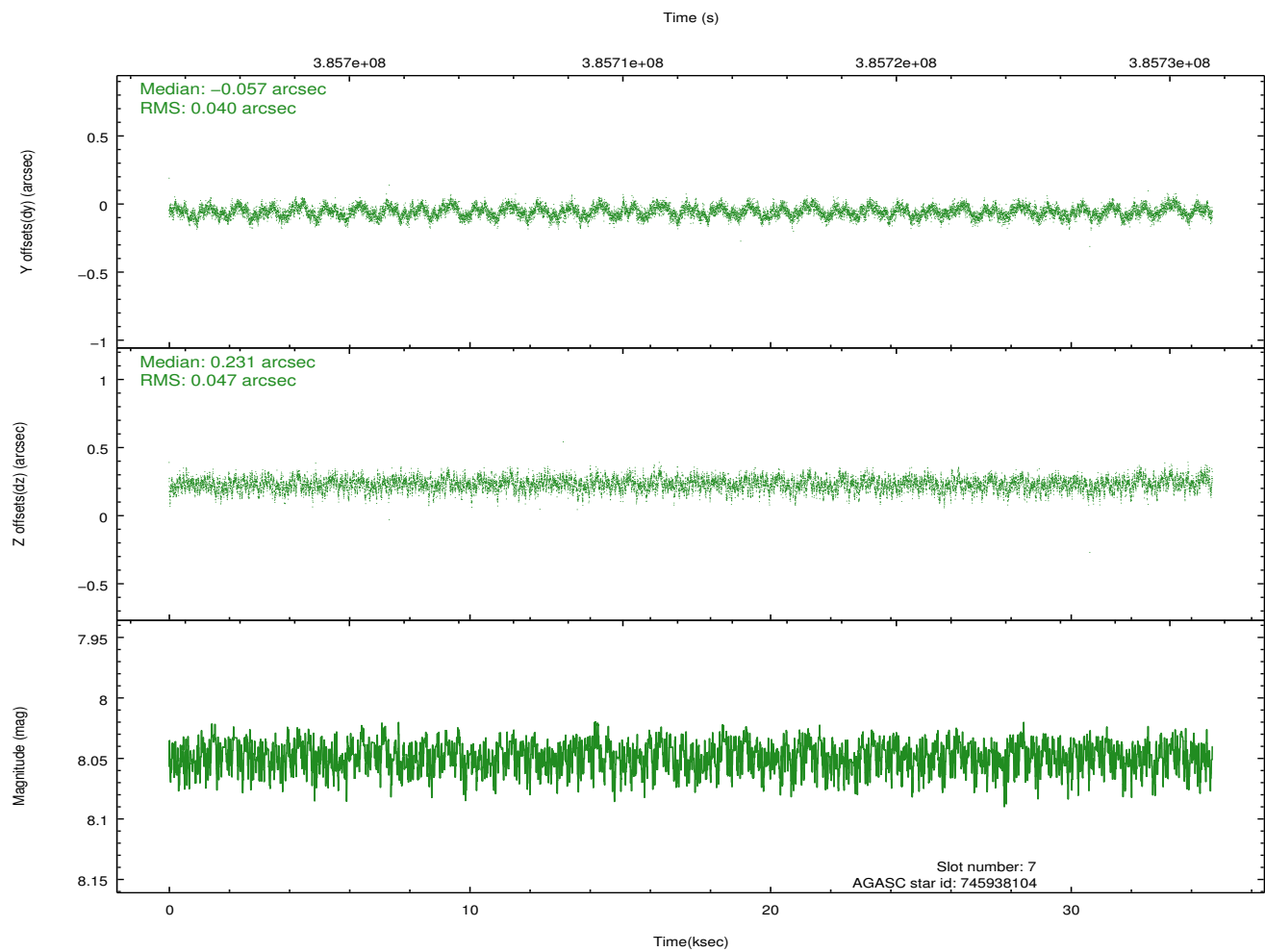
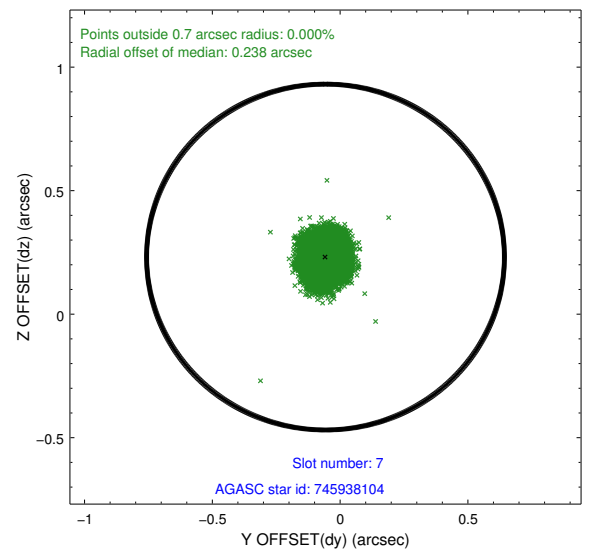
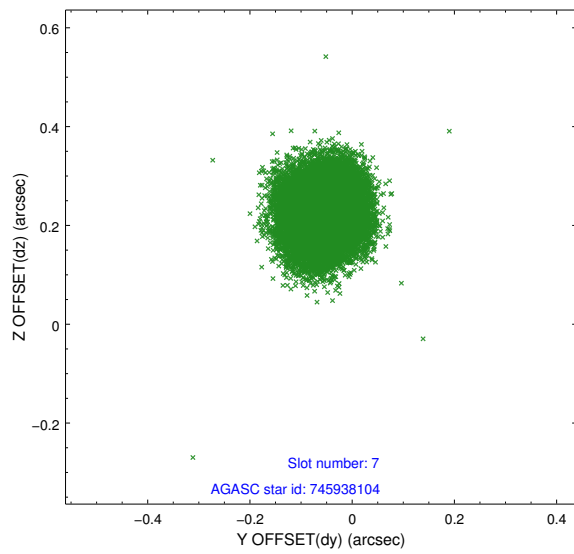
### 2.4.3 Slot 5



## 2.4.4 Slot 6

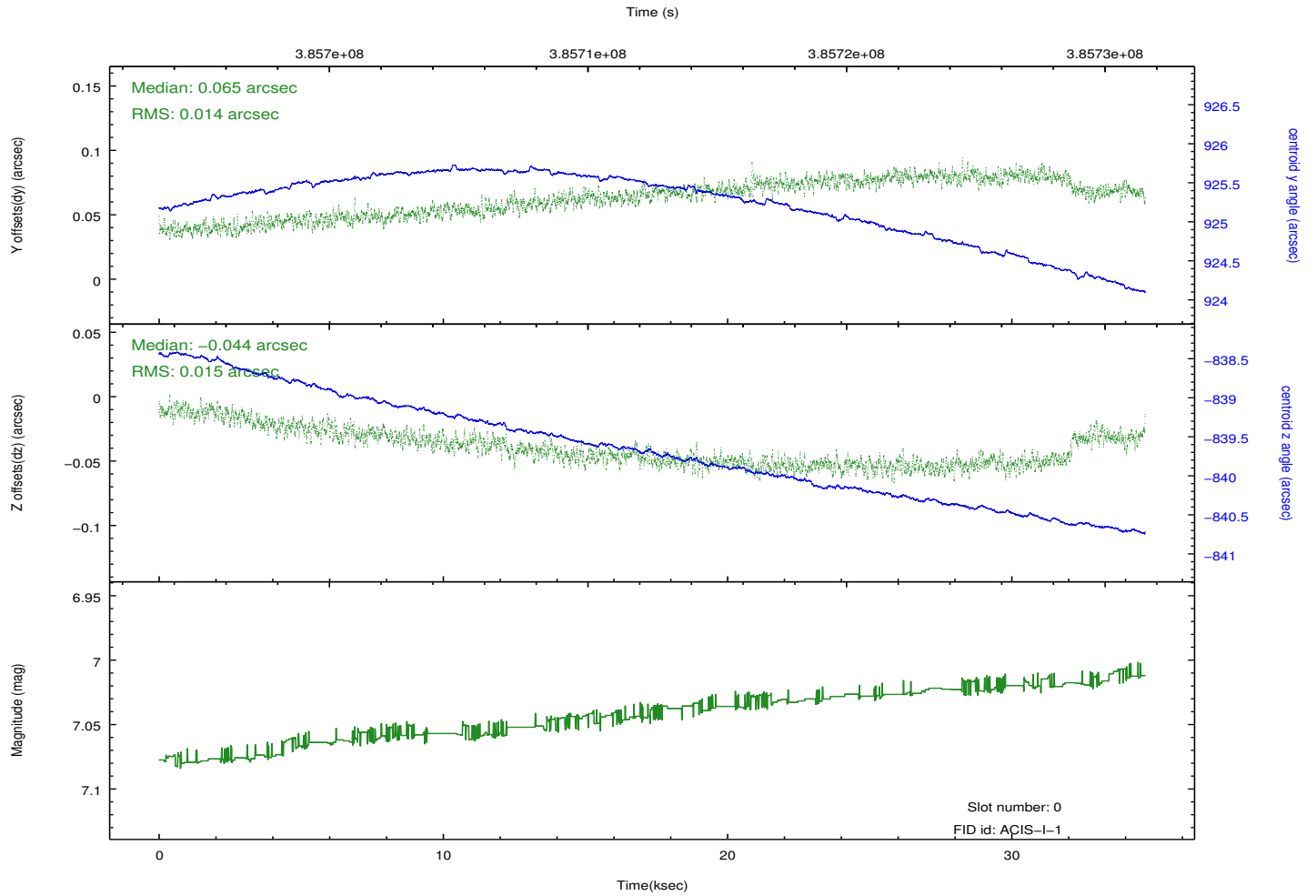
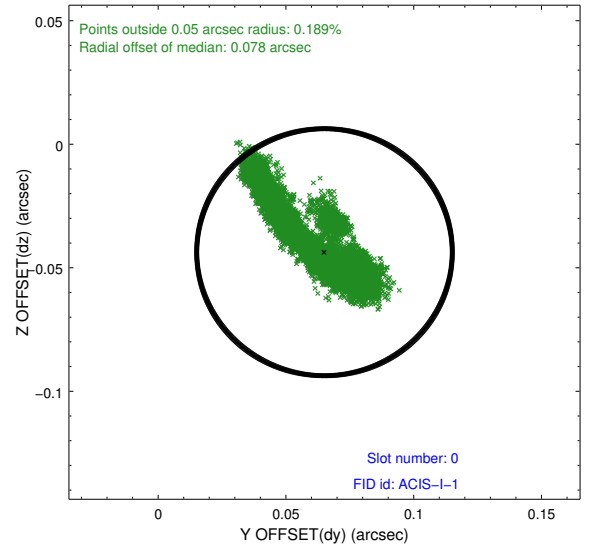
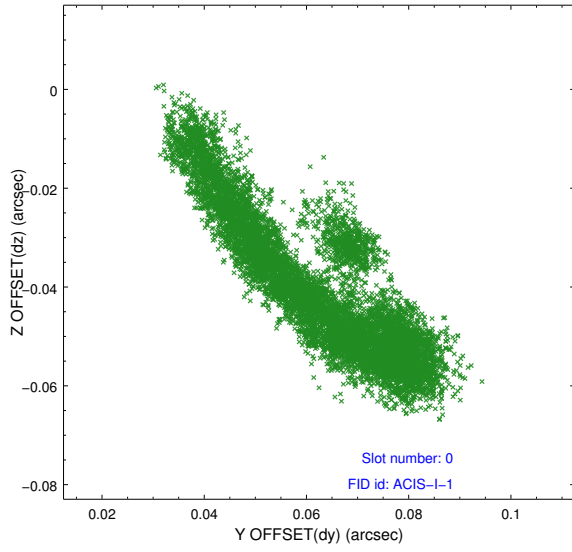


## 2.4.5 Slot 7

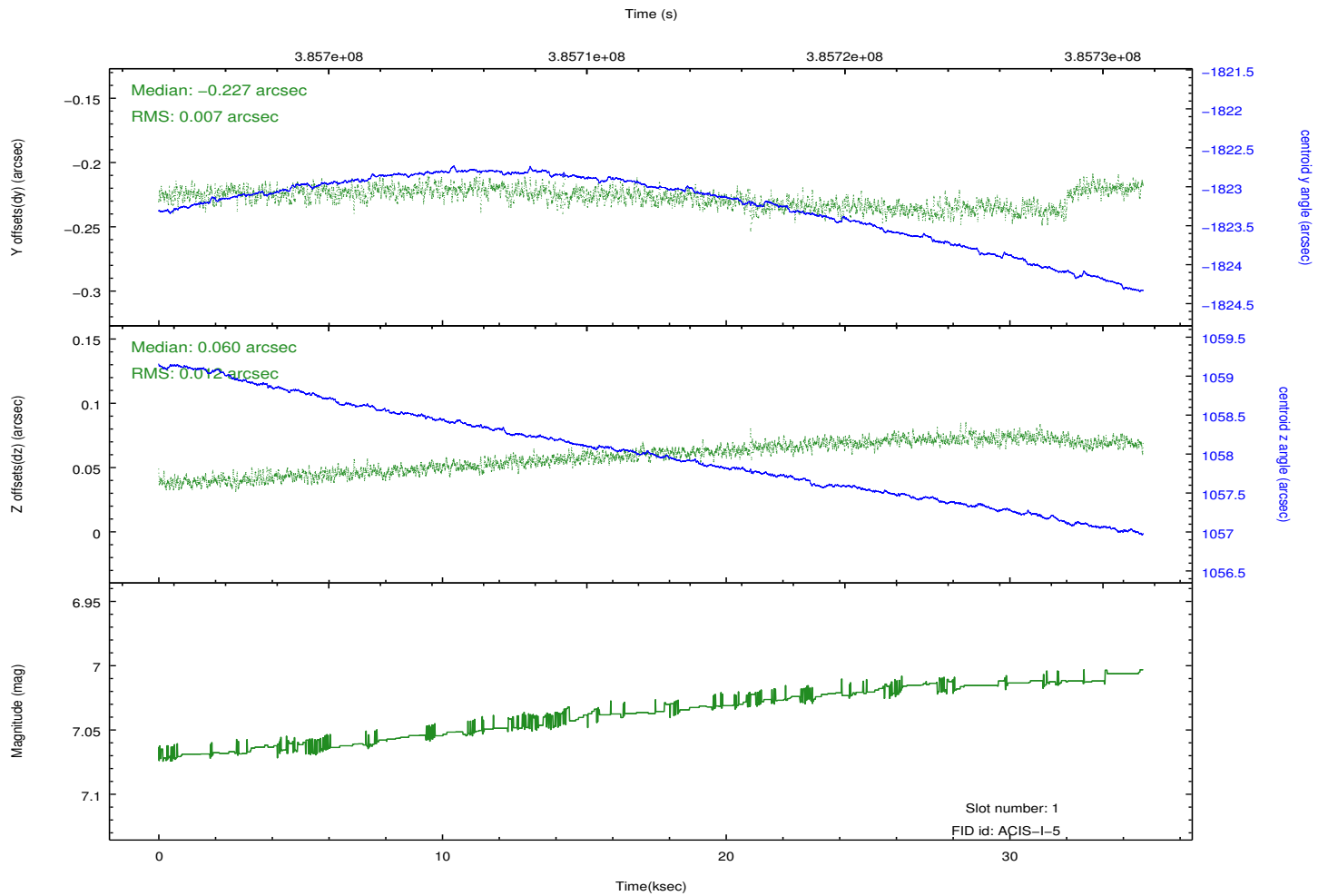
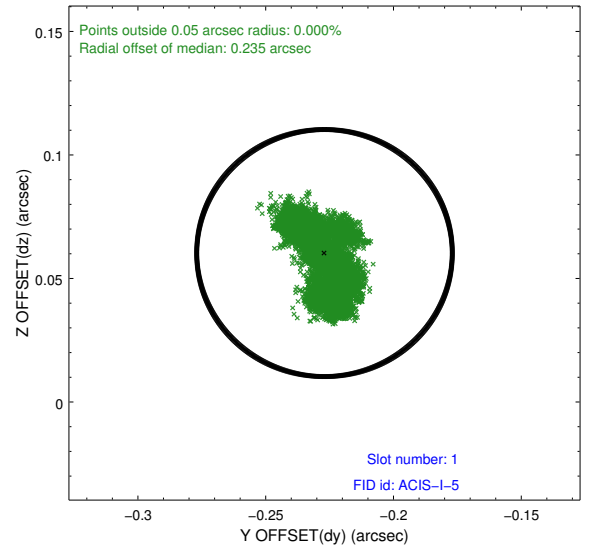
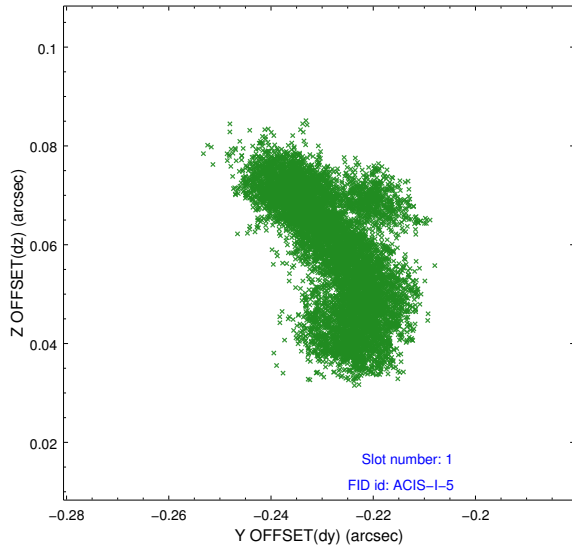


## 2.5 FID Slots

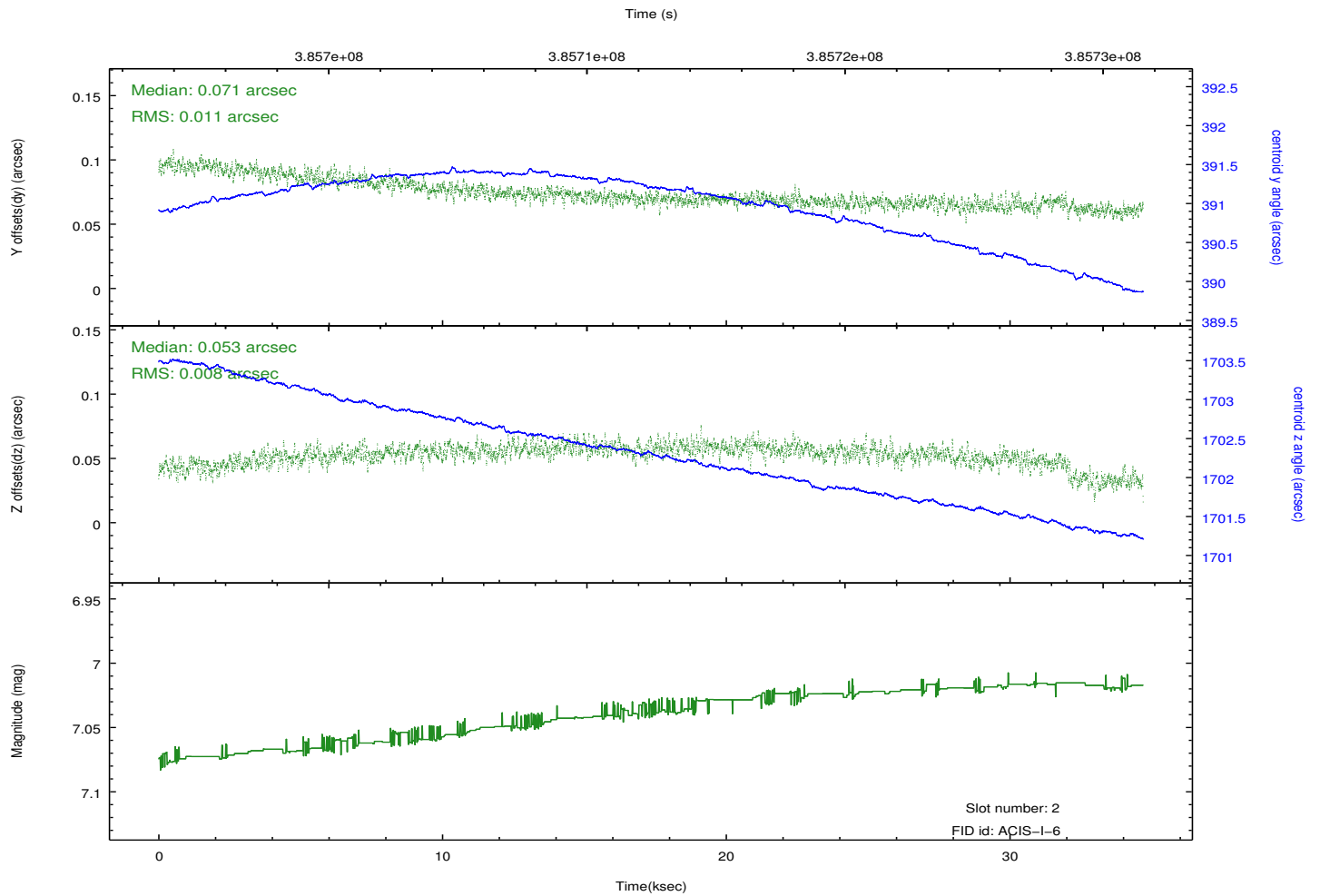
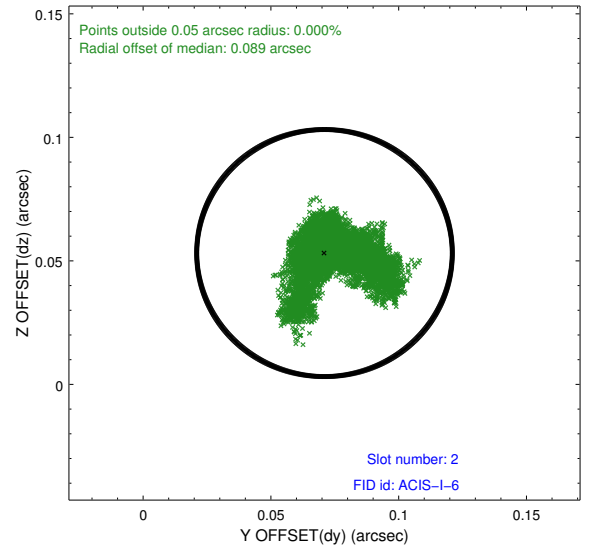
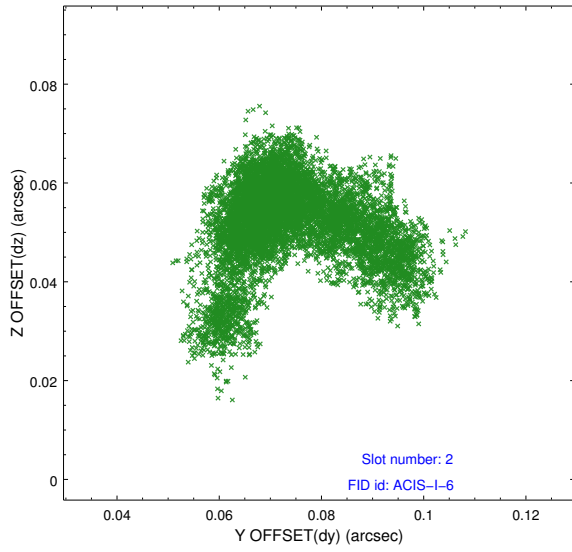
### 2.5.1 Slot 0



## 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)	2012.06.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	33.545599875093

## A.2 Comments