

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 7264 - L2 Version 2  
Chandra X-Ray Center

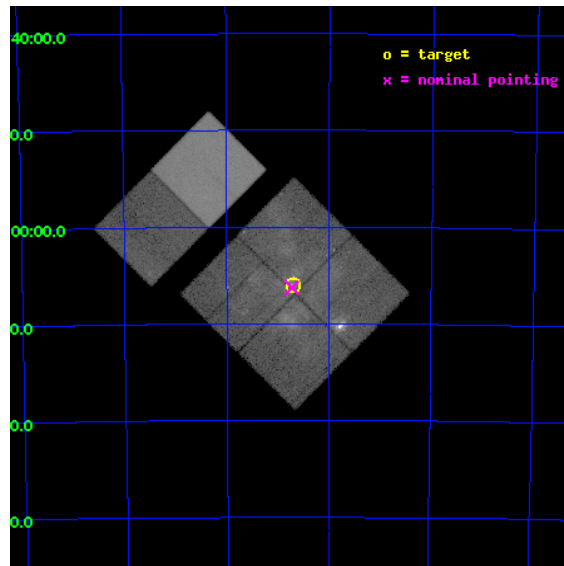
L2 Processing Date : Mar 24 2012

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# 1 Front

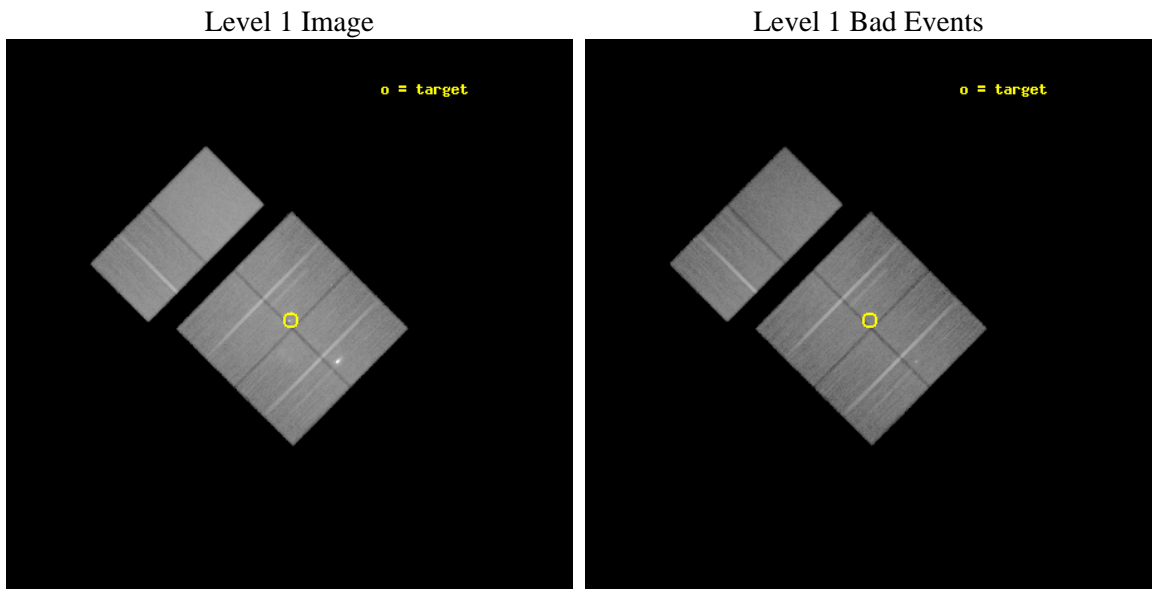
seq_num	600425	Sequence number
obs_id	7264	Observation id
title	30 Doradus: Our Starburst Microscope	Proposal title
observer	Dr. Leisa Townsley	Principal investigator
object	30 Doradus	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	84.676667	Observer's specified target RA [deg]
dec_targ	-69.100556	Observer's specified target Dec [deg]
ra_nom	84.681504300582	Nominal RA [deg]
dec_nom	-69.104865671203	Nominal Dec [deg]
roll_nom	314.78143153232	Nominal Roll [deg]
revision	2	Processing version of data
ontime	38076.558663905	Sum of GTIs [s]
livetime	37594.410351151	Livetime [s]
ontime0	38073.194573641	Sum of GTIs [s]
ontime1	38073.235623598	Sum of GTIs [s]
ontime2	38073.27663371	Sum of GTIs [s]
ontime3	38076.558663905	Sum of GTIs [s]
ontime6	38073.399773628	Sum of GTIs [s]
ontime7	38076.599703908	Sum of GTIs [s]
l2events	433499	Number of level 2 events



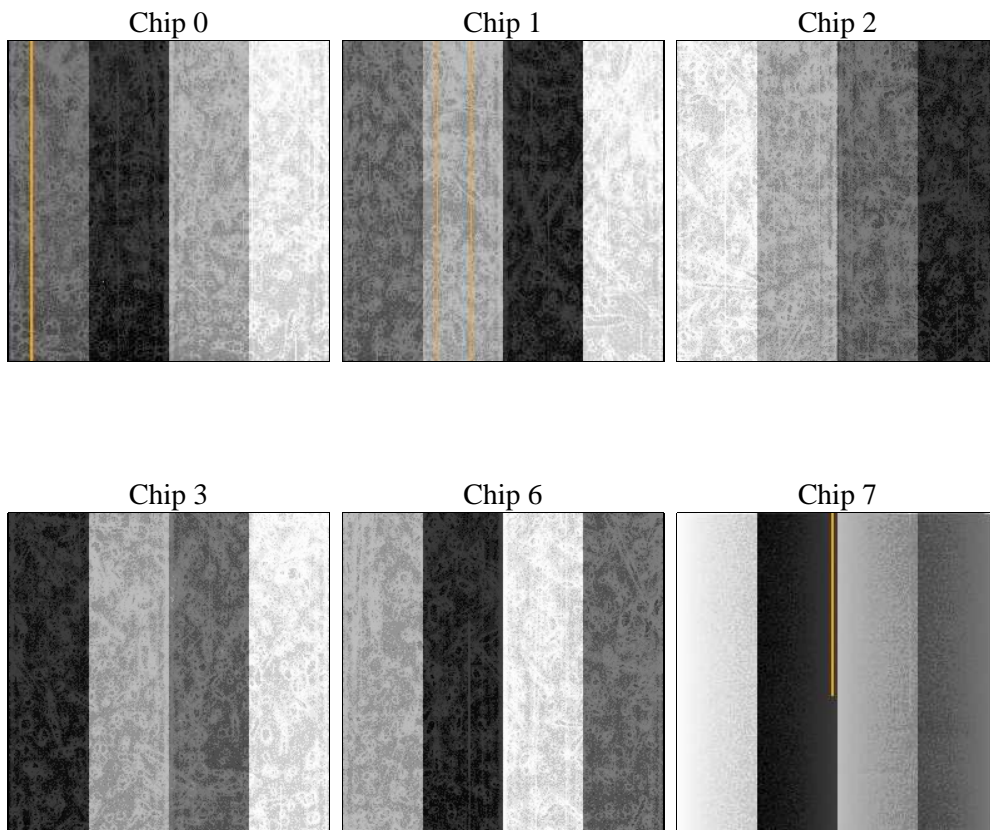
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	38000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	38076.558663905	Sum of GTIs [s]
caldbver	4.4.8	&#160	ontime0	38073.194573641	Sum of GTIs [s]
date	2012-03-24T08:54:04	Date and time of file creation	ontime1	38073.235623598	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	38073.27663371	Sum of GTIs [s]
			ontime3	38076.558663905	Sum of GTIs [s]
			ontime6	38073.399773628	Sum of GTIs [s]
			ontime7	38076.599703908	Sum of GTIs [s]
			l1events	2076207	Number of level 1 events

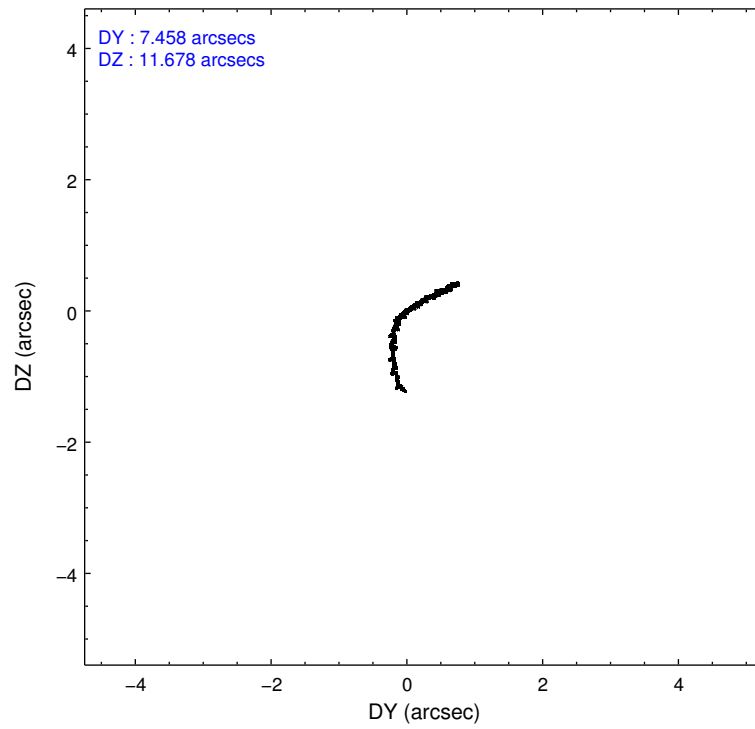
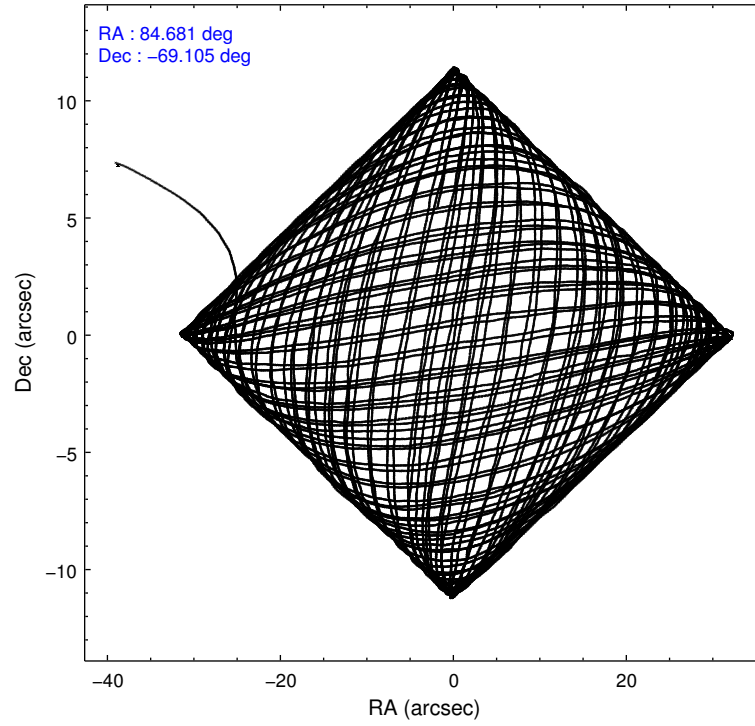
### 2.1.4 Events

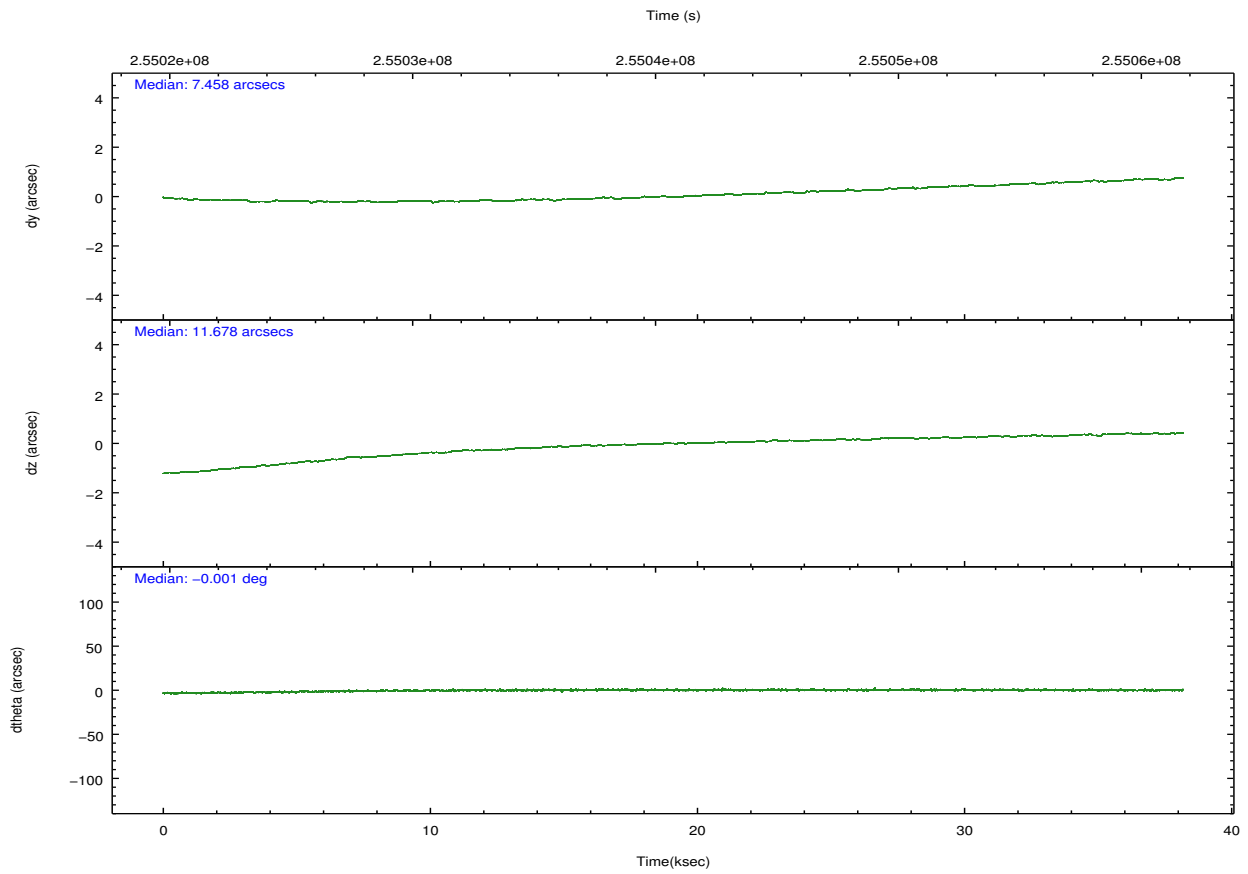
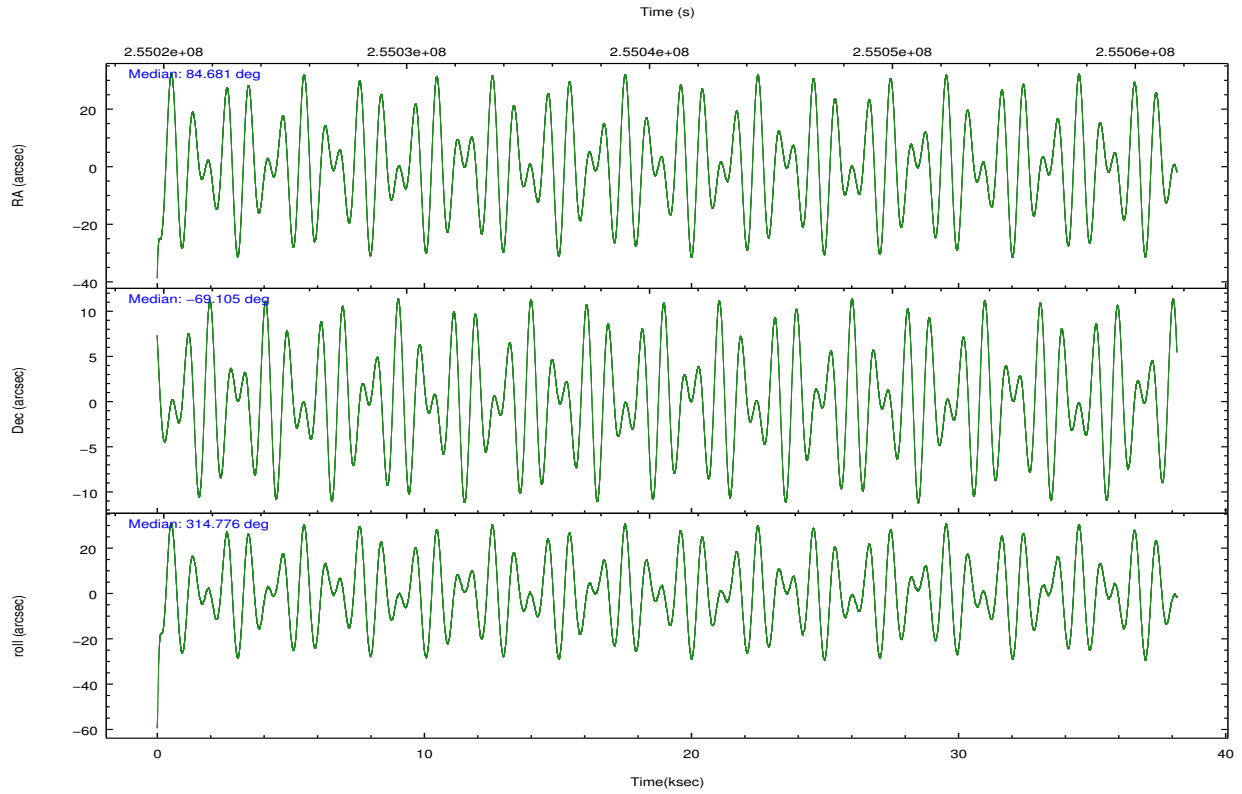
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	313450	335022	327877	330044	331680	438134	grade 0 events	29312	49270	28078	34000	20281	17702
rejected events	260365	254773	277574	272523	287416	252878		9%	14%	8%	10%	6%	4%
rejected %	83%	76%	84%	82%	86%	57%	grade 1 events	215	414	230	347	192	435
								0%	0%	0%	0%	0%	0%
							grade 2 events	9390	12666	8704	8753	8611	37789
								2%	3%	2%	2%	2%	8%
							grade 3 events	4042	4900	3654	4032	3799	16540
								1%	1%	1%	1%	1%	3%
							grade 4 events	3636	4843	3720	3938	3715	16402
								1%	1%	1%	1%	1%	3%
							grade 5 events	12953	13940	12357	14516	15325	41522
								4%	4%	3%	4%	4%	9%
							grade 6 events	6713	8588	6155	6811	7865	96871
								2%	2%	1%	2%	2%	22%
							grade 7 events	247189	240401	264979	257647	271892	210873
								78%	71%	80%	78%	81%	48%

## 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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	84.607352	84.68150430058168	Subarray requested	NONE	NONE
[deg] Pointing Dec	-69.097784	-69.10486567120343	Alternating exposures requested	N	N
[deg] Pointing Roll	314.503483	314.7814315323176	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	255021807.184000	255020787.05961			
Observation start date	2006-01-30T15:22:22	2006-01-30T15:06:27			
[s] Observation end time (MET)	255059807.184000	255060586.78645			
Observation end date	2006-01-31T01:55:42	2006-01-31T02:09:46			
Read mode	TIMED	TIMED			

## 2.3 Aspect





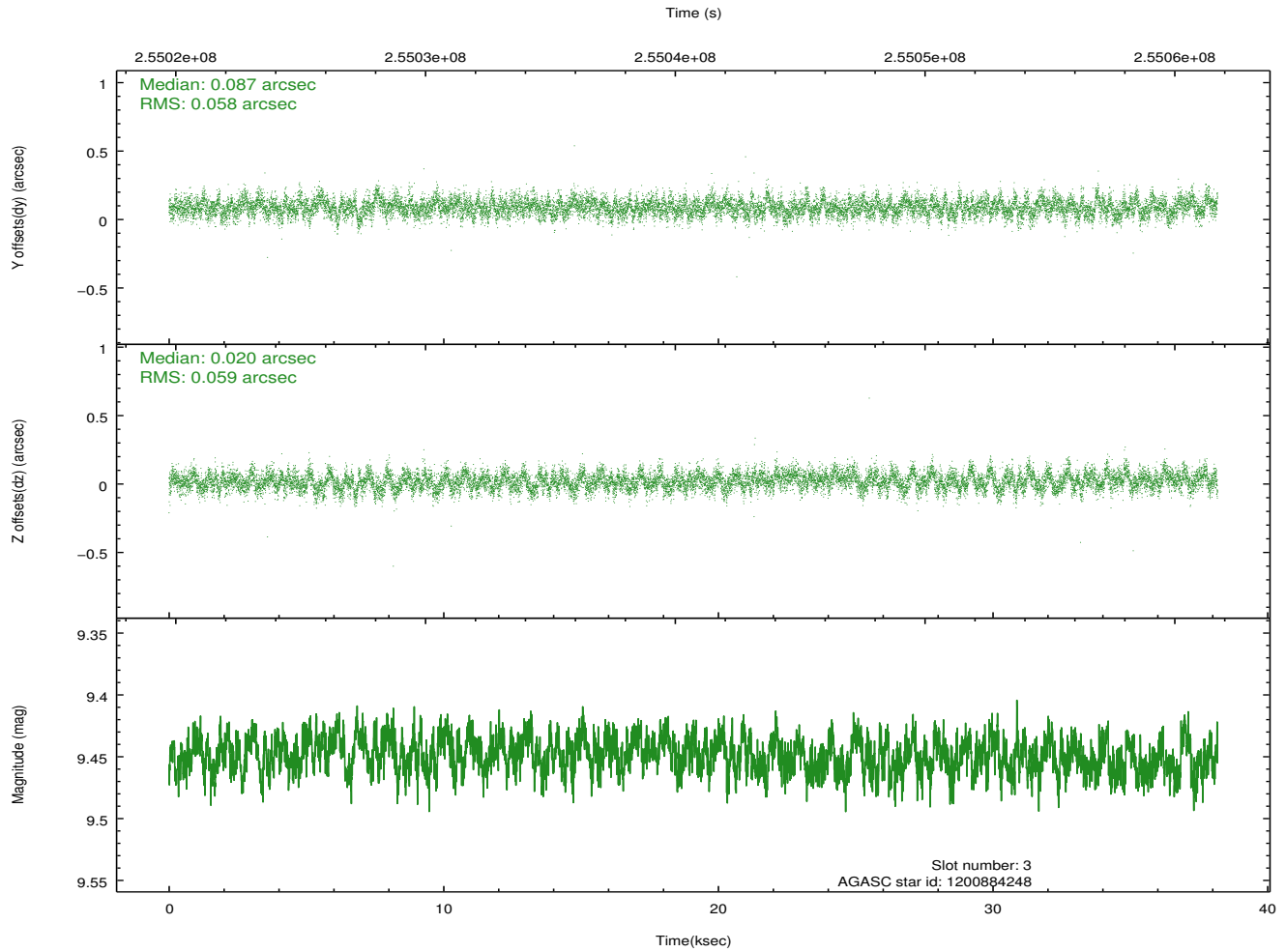
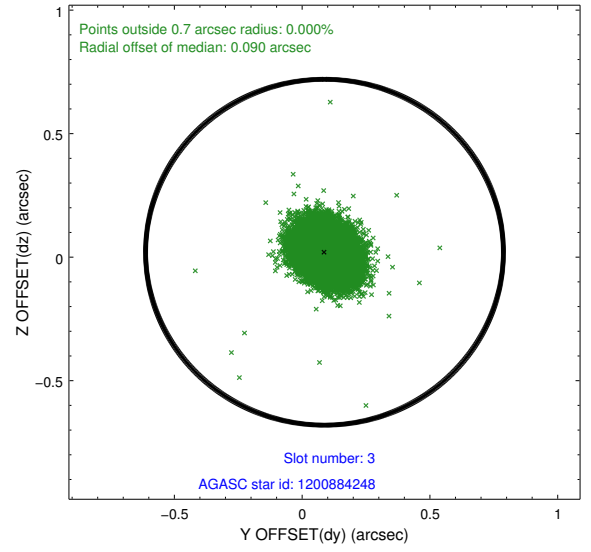
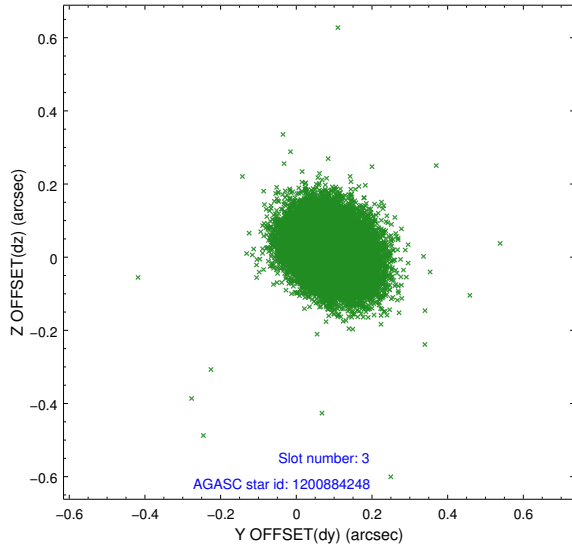
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	9313	0.055	-0.030	0.014	0.032	0.000000	0.000000	932.13	-835.10
1	FID	ACIS-I-5	7.22	9313	-0.177	0.067	0.018	0.030	0.000000	0.000000	-1816.16	1062.53
2	FID	ACIS-I-6	7.25	9313	0.034	0.036	0.013	0.023	0.000000	0.000000	397.68	1706.98
3	GUIDE	1200884248	9.45	18610	0.087	0.020	0.087	0.142	83.880915	-68.565170	-2033.11	658.60
4	GUIDE	1201019672	6.81	18623	-0.069	0.047	0.058	0.091	85.312192	-68.770187	-193.42	1478.44
5	GUIDE	1201020040	8.59	18620	-0.103	0.039	0.068	0.108	85.379163	-68.879396	145.53	1260.95
6	GUIDE	1201542672	8.22	18624	0.004	0.015	0.081	0.129	84.492488	-69.957531	2108.24	-2269.42
7	GUIDE	1201018384	9.08	18616	0.081	-0.129	0.100	0.156	85.801362	-68.593260	-184.54	2381.38

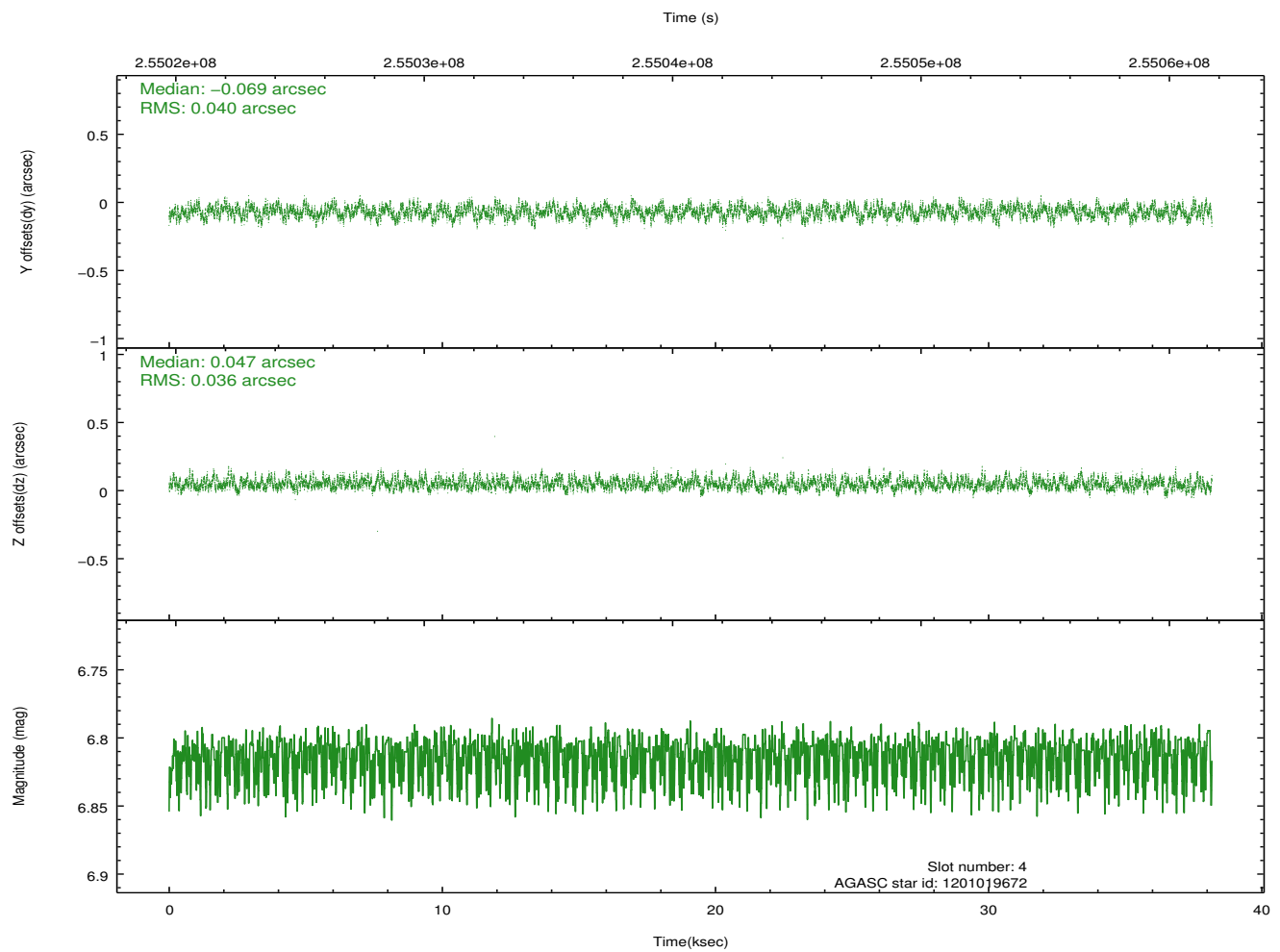
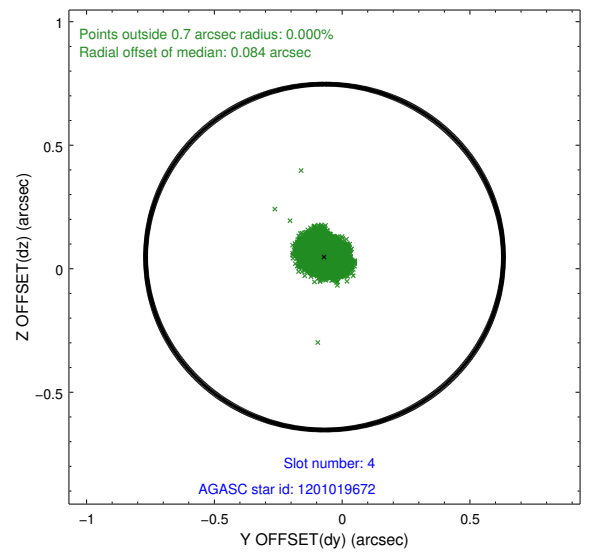
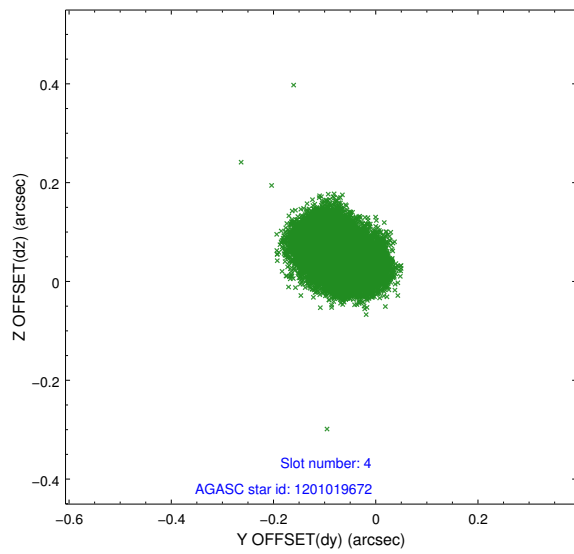
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## 2.4 Star Slots

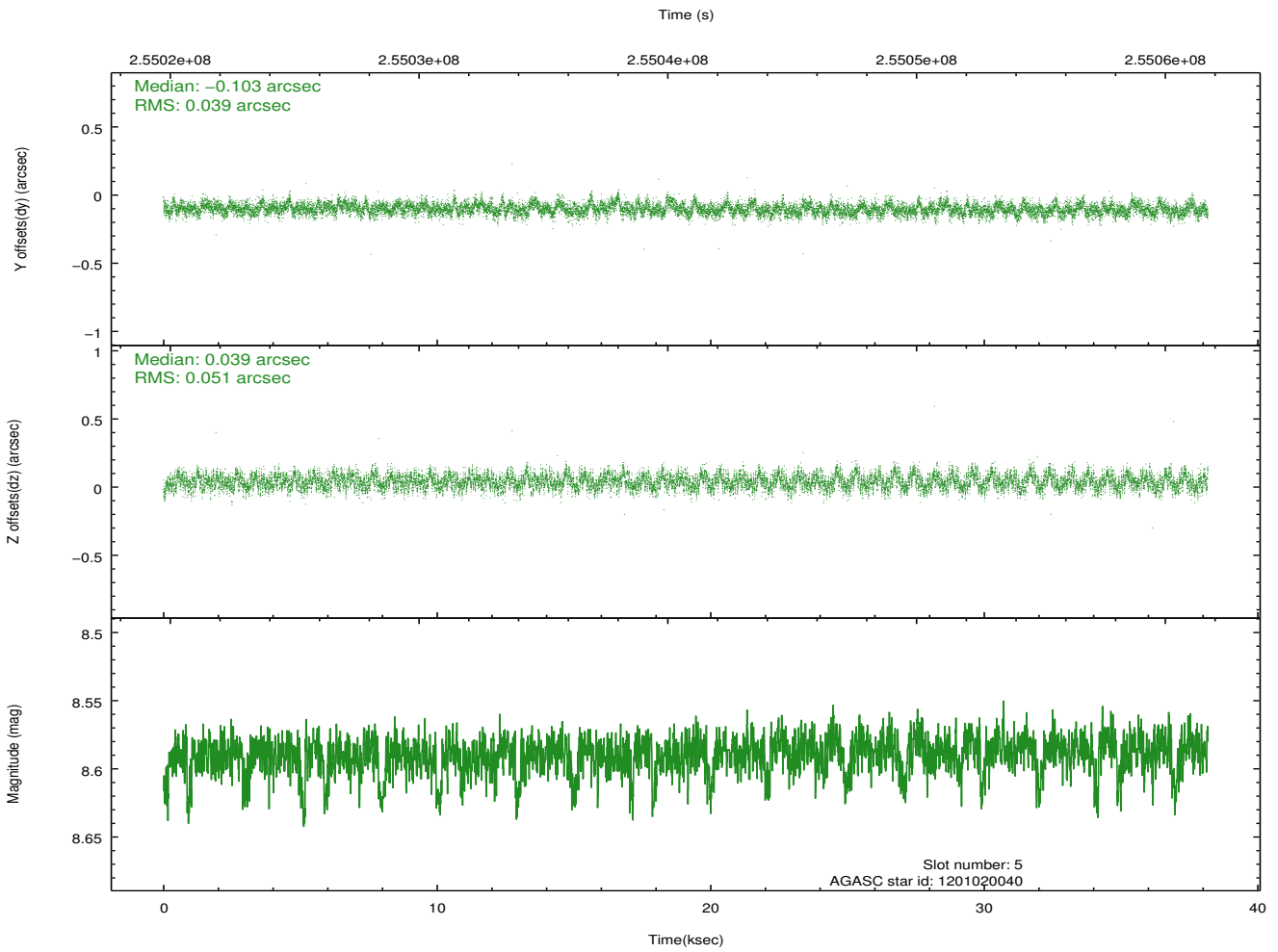
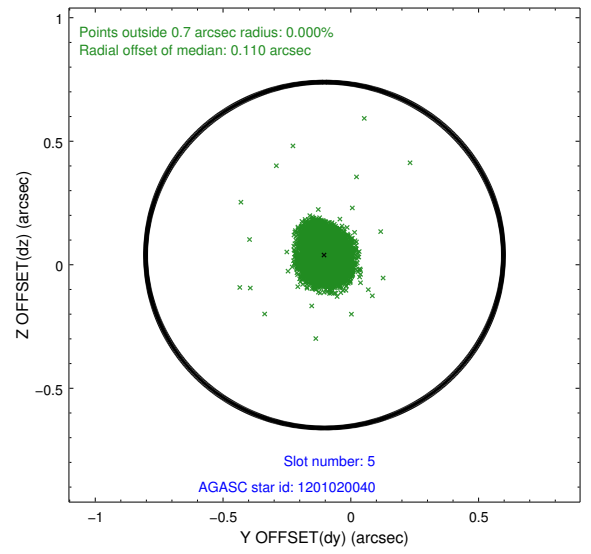
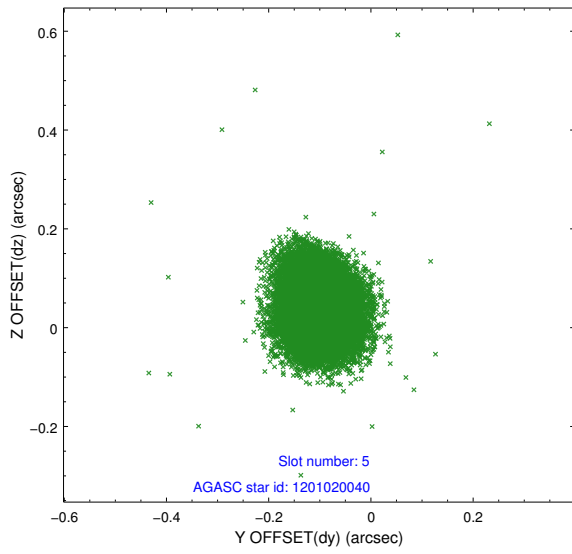
### 2.4.1 Slot 3



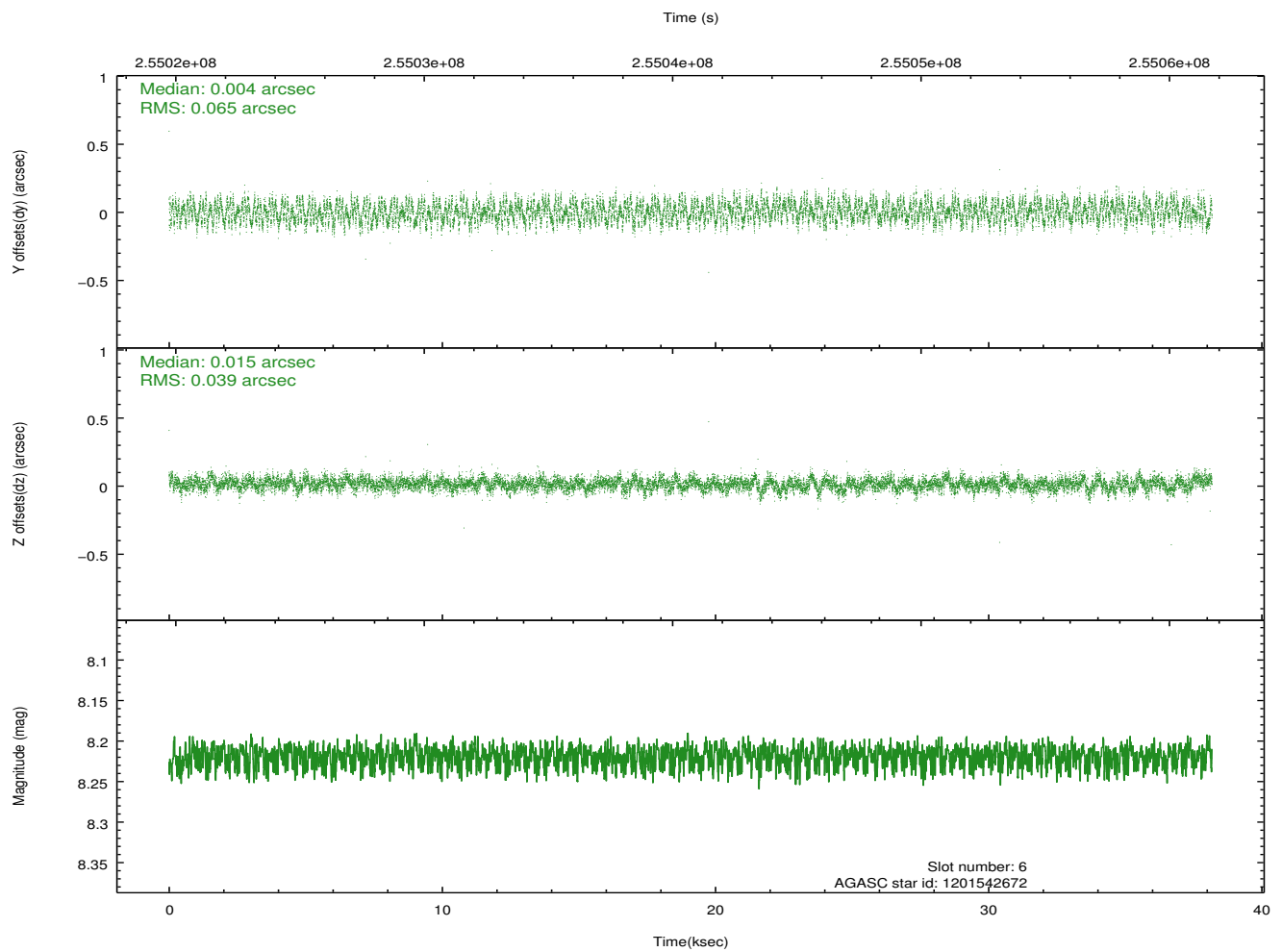
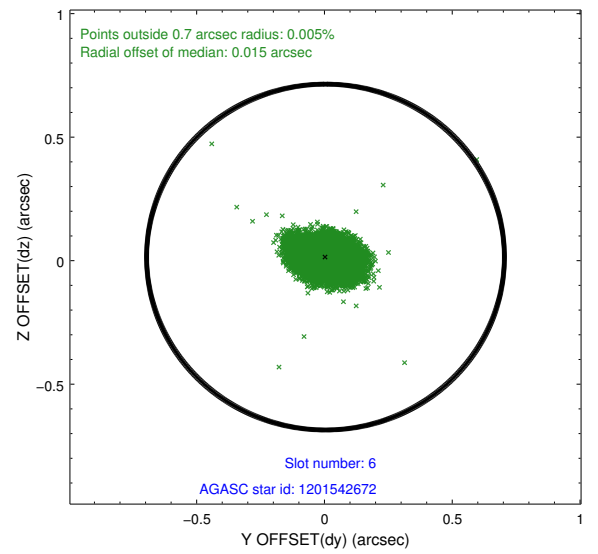
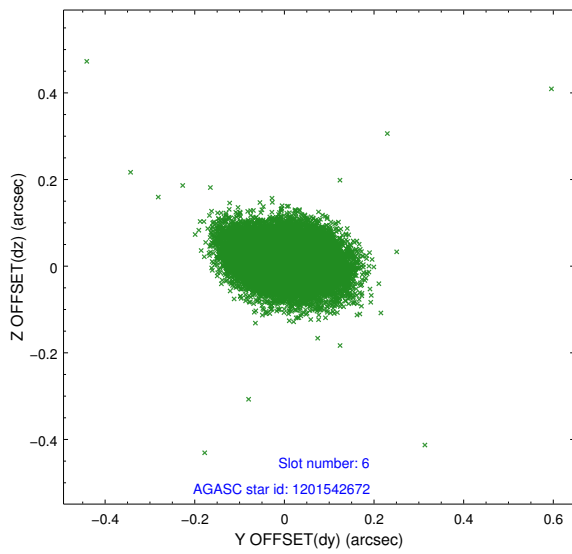
## 2.4.2 Slot 4



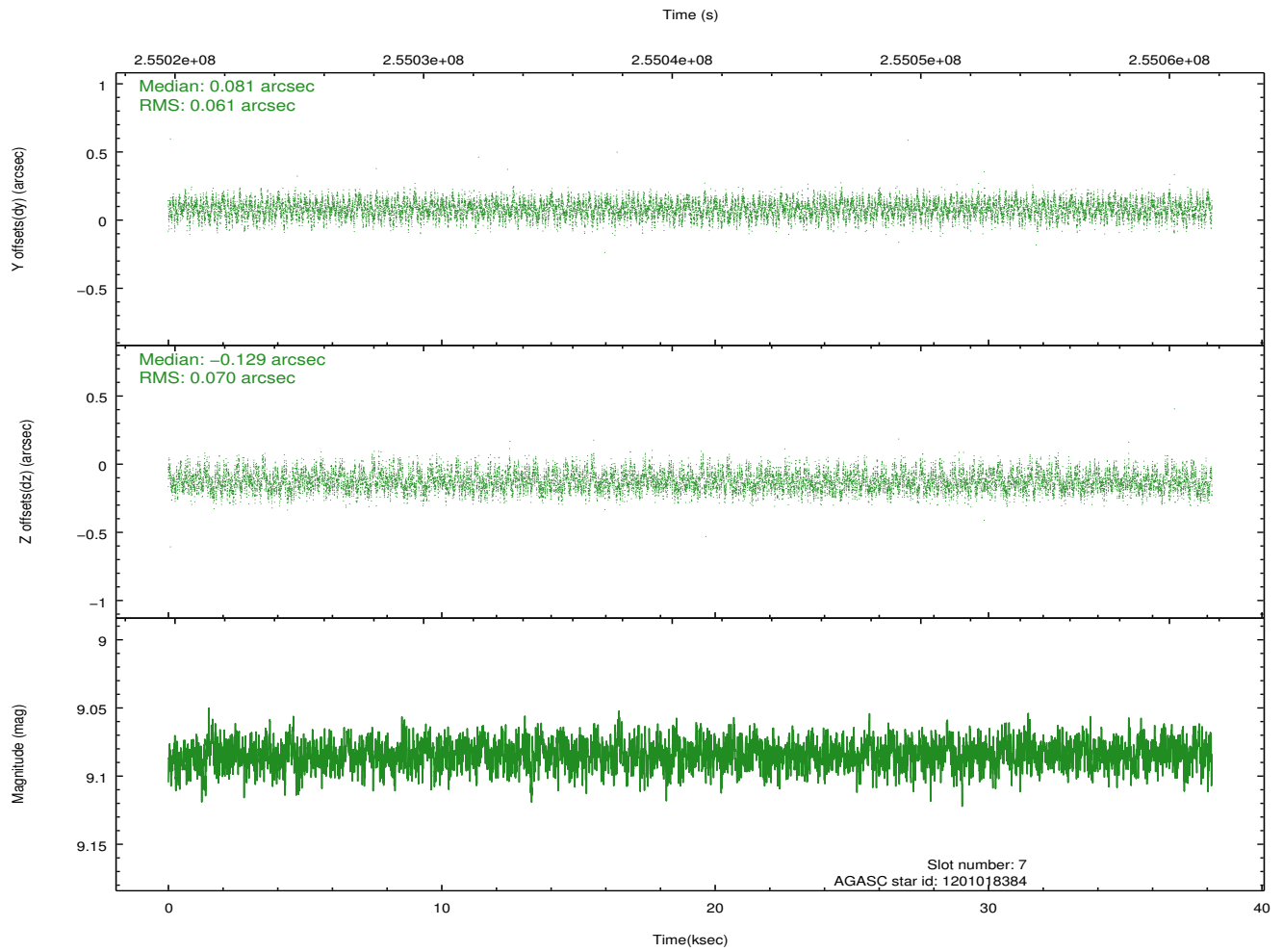
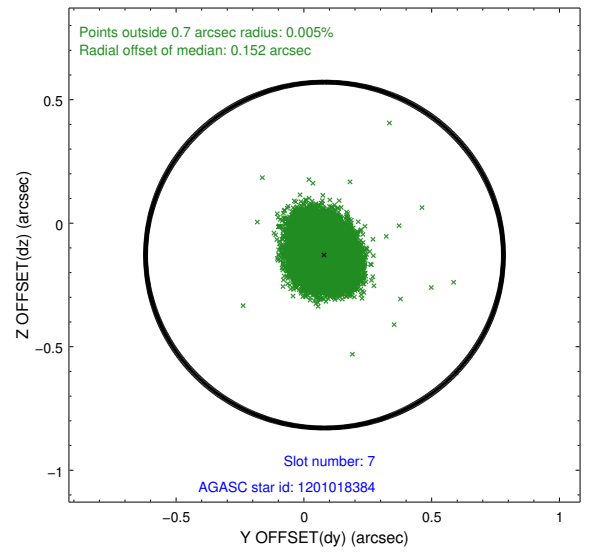
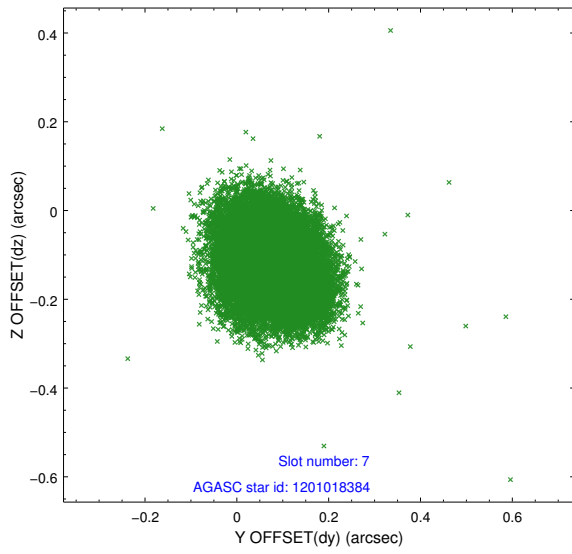
### 2.4.3 Slot 5



## 2.4.4 Slot 6

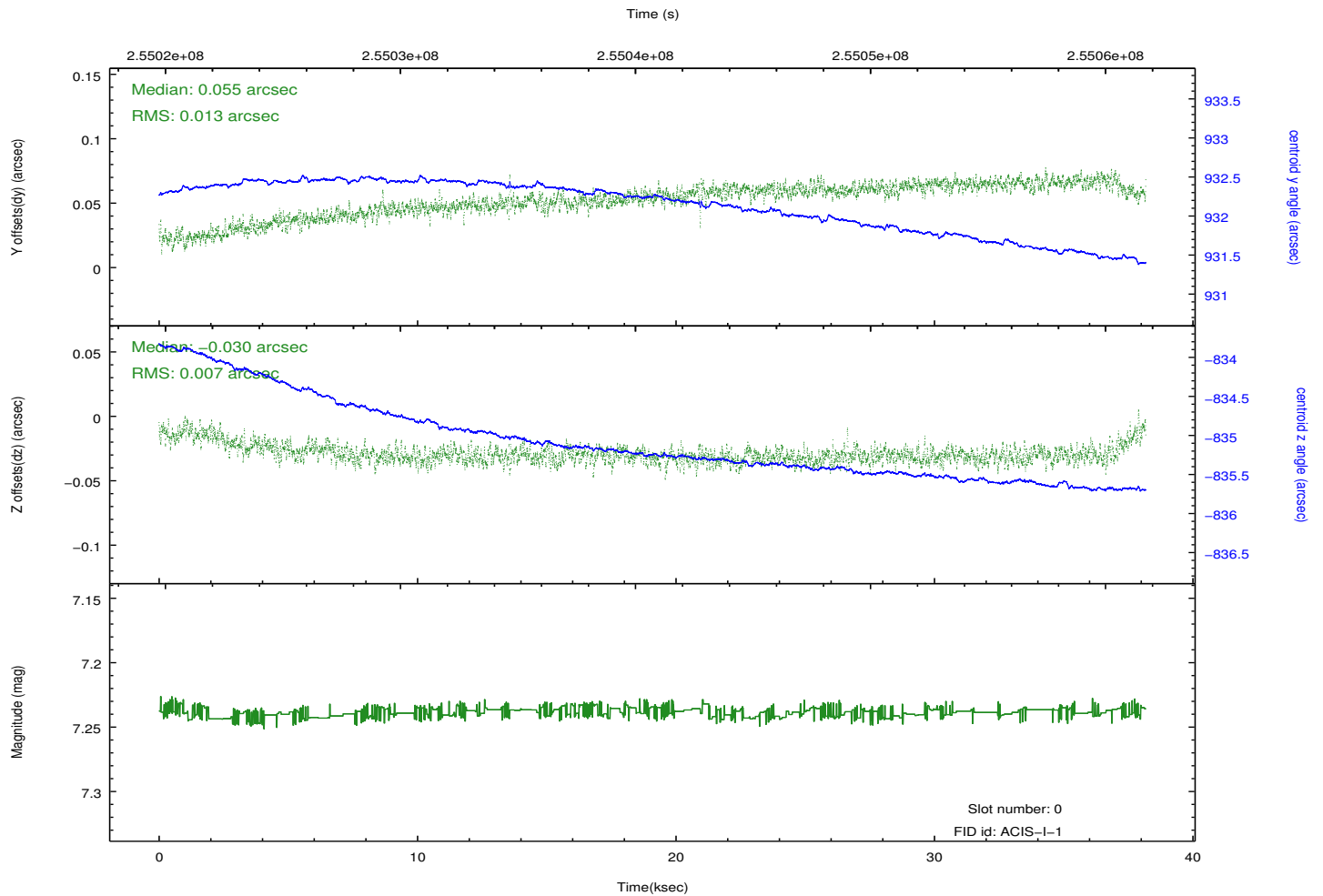
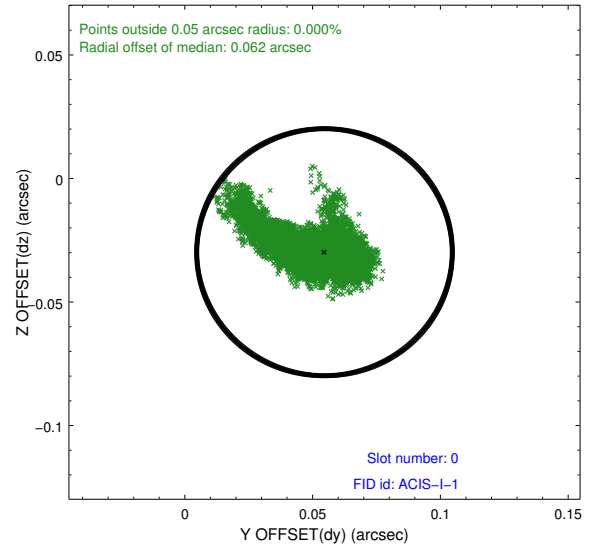
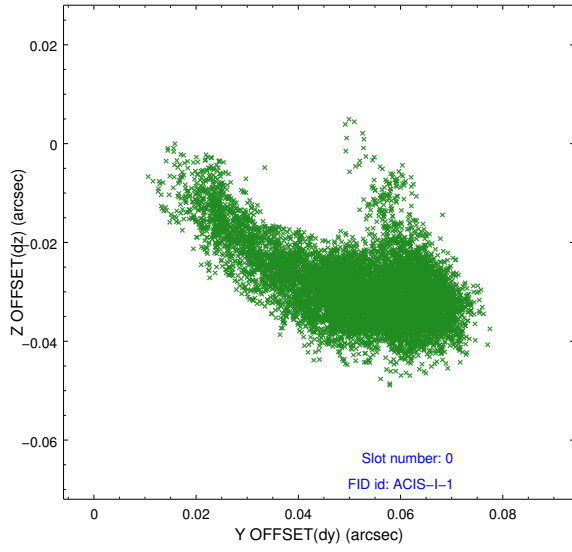


### 2.4.5 Slot 7

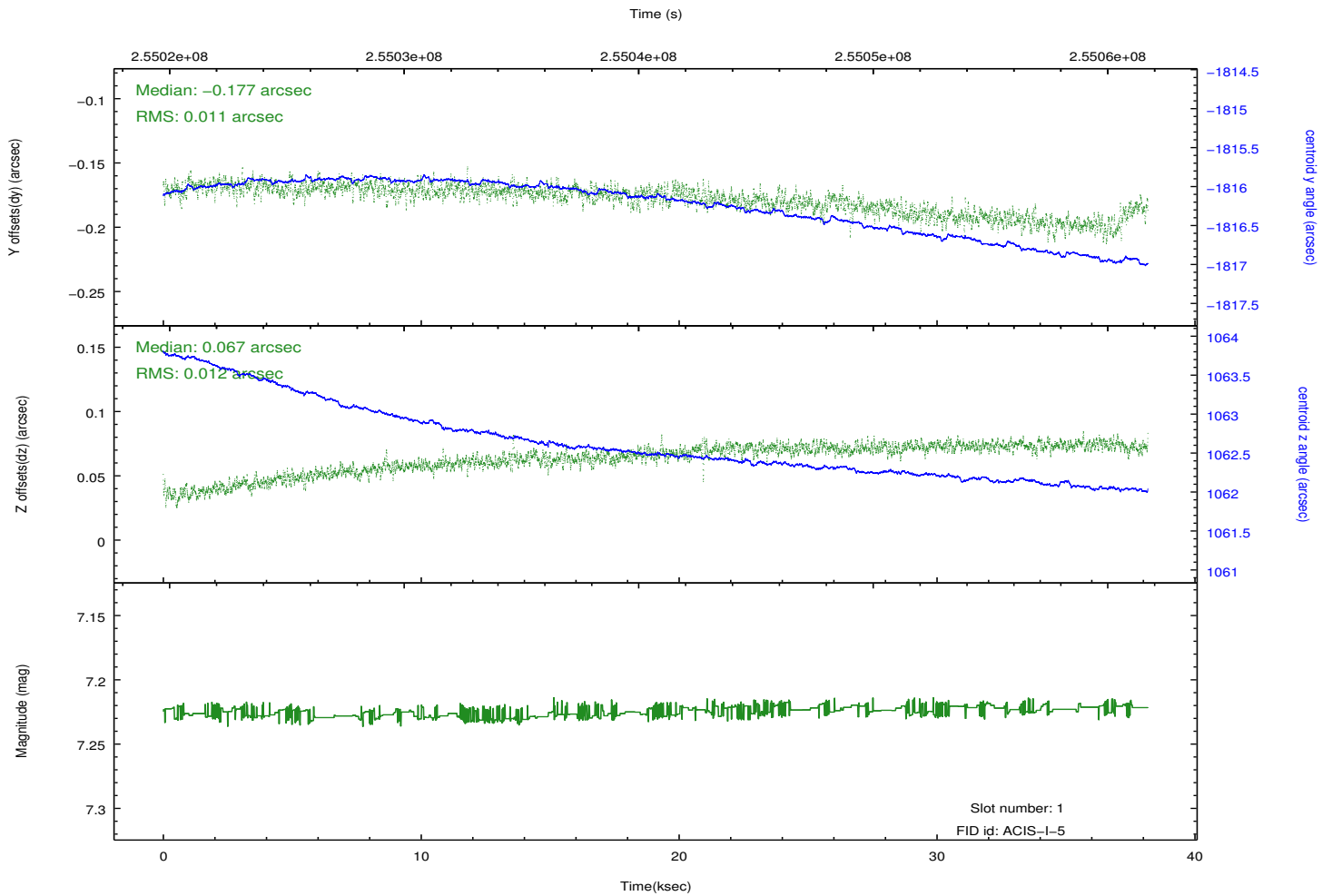
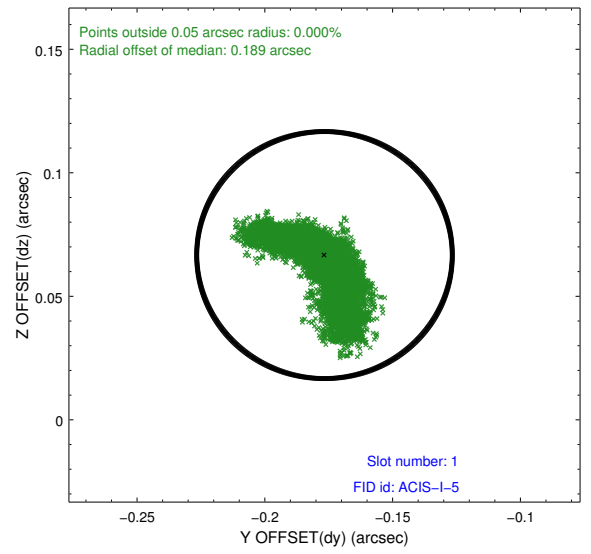
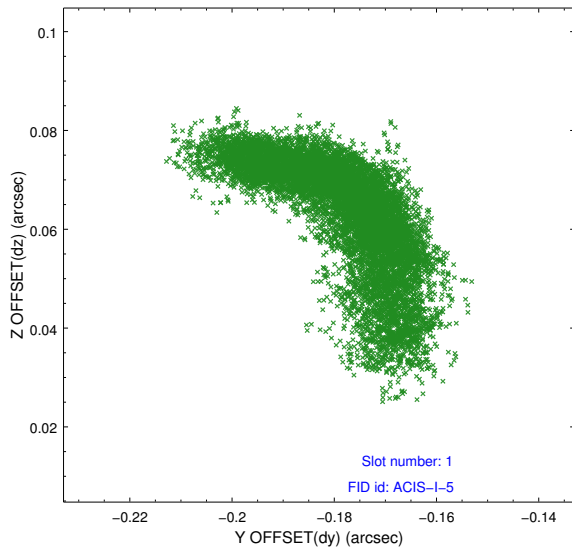


## 2.5 FID Slots

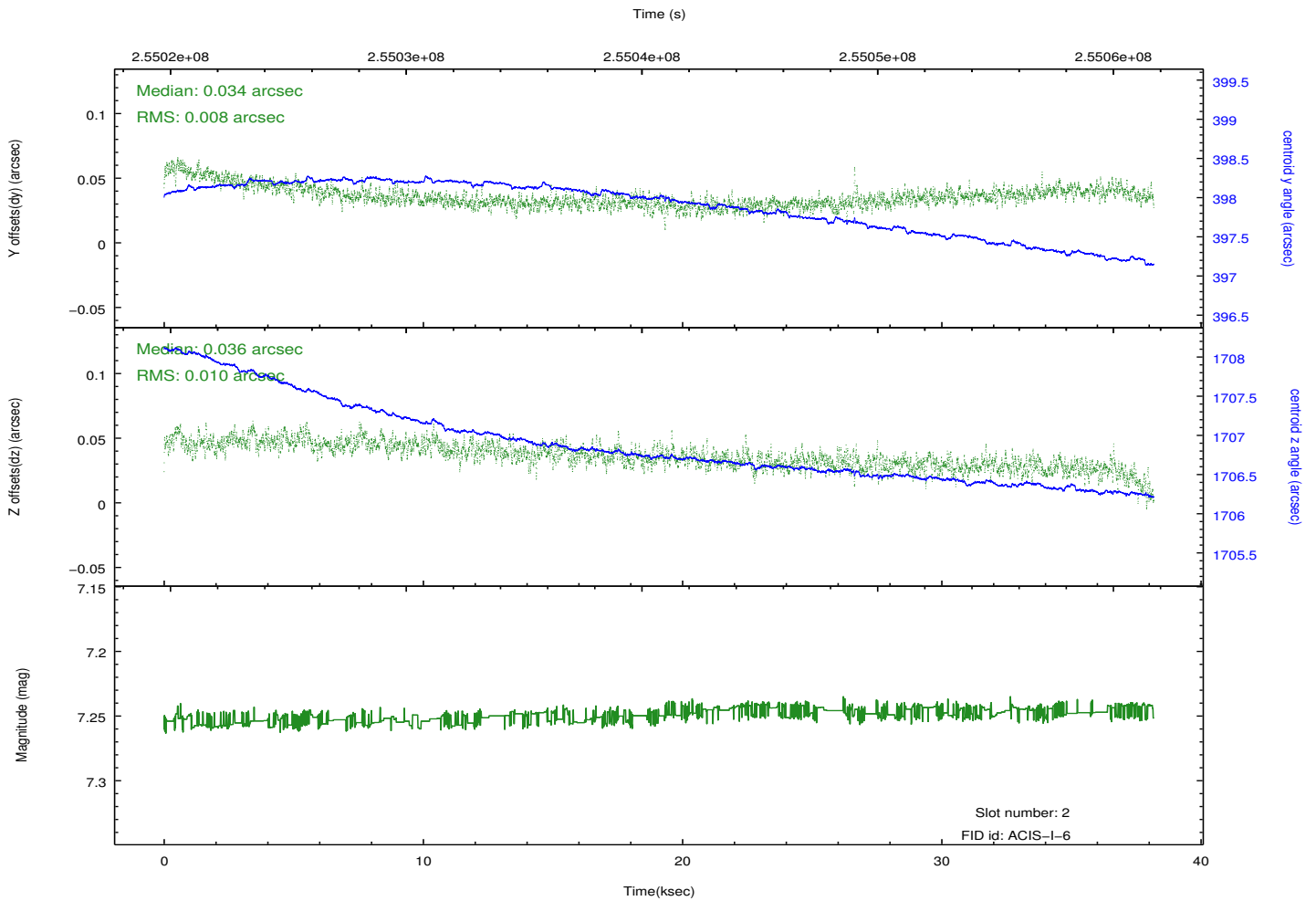
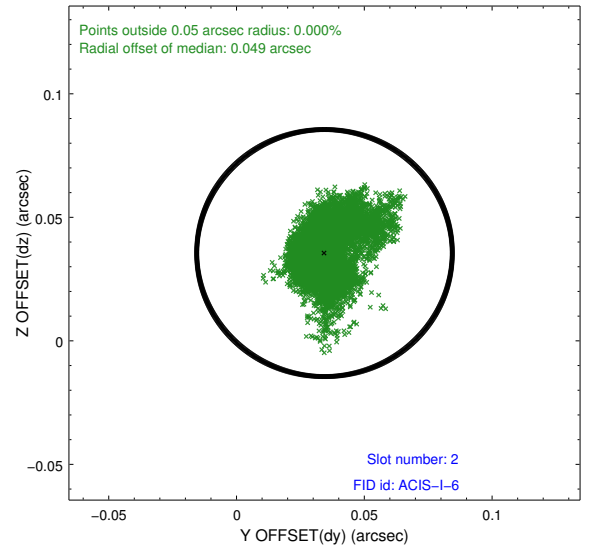
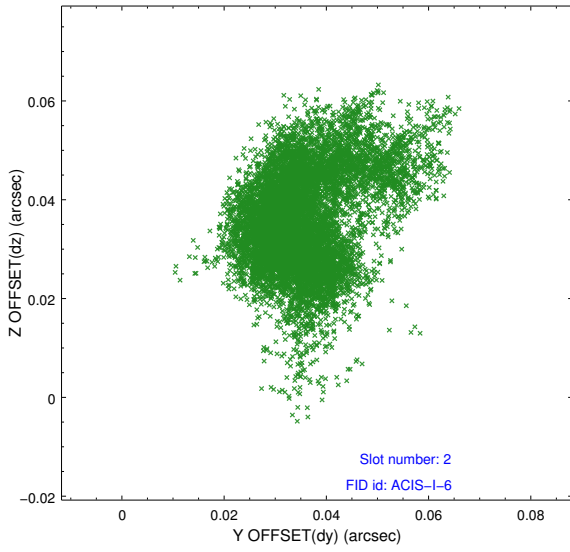
### 2.5.1 Slot 0



## 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)	2012.03.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.0767998

## A.2 Comments