

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3495 - L2 Version 3  
Chandra X-Ray Center

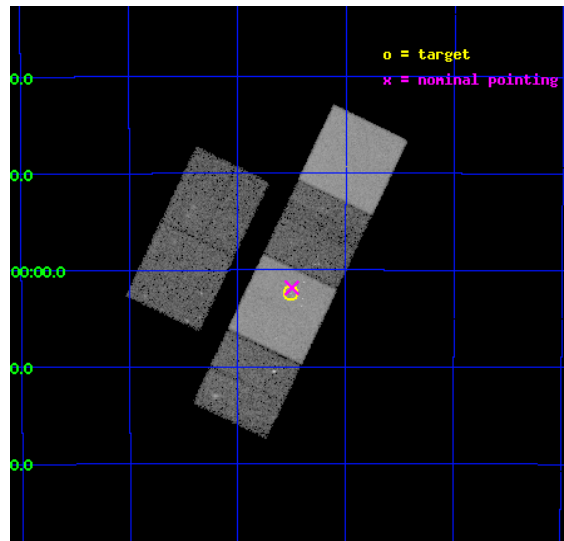
L2 Processing Date : Oct 8 2012

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# 1 Front

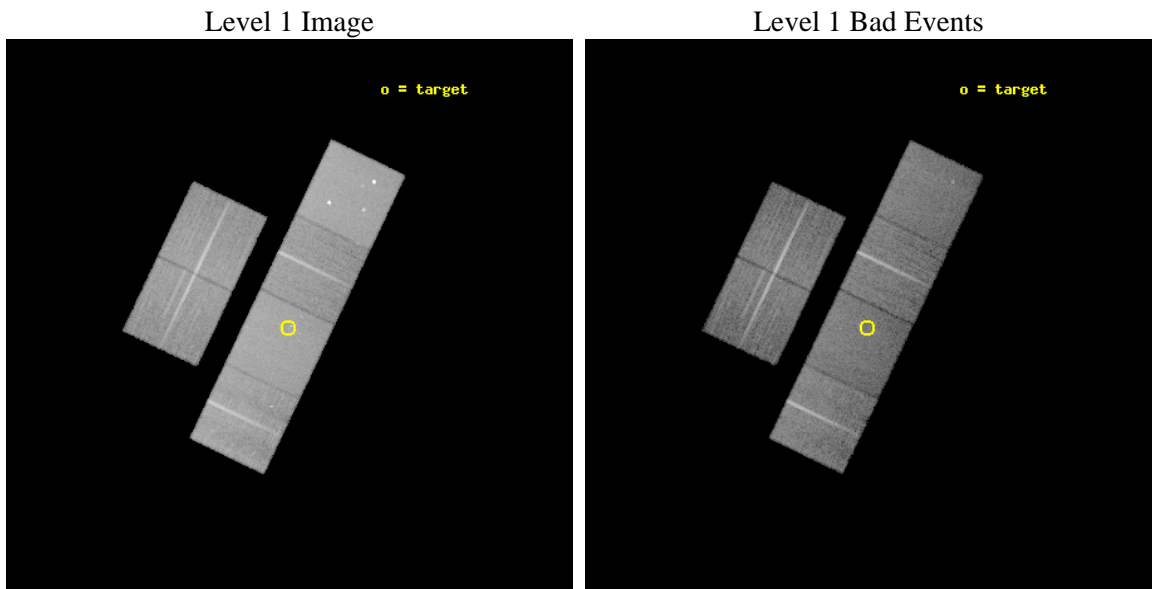
seq_num	500297	Sequence number
obs_id	3495	Observation id
title	SN2001IG: DETECTING A MASS LOSS PHASE?	Proposal title
observer	Dr. Eric Schlegel	Principal investigator
object	SN2001IG	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	344.377917	Observer's specified target RA [deg]
dec_targ	-41.040278	Observer's specified target Dec [deg]
ra_nom	344.37450555031	Nominal RA [deg]
dec_nom	-41.030907474748	Nominal Dec [deg]
roll_nom	115.57928430561	Nominal Roll [deg]
revision	3	Processing version of data
ontime	23733.281915575	Sum of GTIs [s]
livetime	23432.756809494	Livetime [s]
ontime2	23730.082015246	Sum of GTIs [s]
ontime3	23733.158795565	Sum of GTIs [s]
ontime5	23733.240875572	Sum of GTIs [s]
ontime6	23733.199835569	Sum of GTIs [s]
ontime7	23733.281915575	Sum of GTIs [s]
ontime8	23733.117755592	Sum of GTIs [s]
l2events	232645	Number of level 2 events



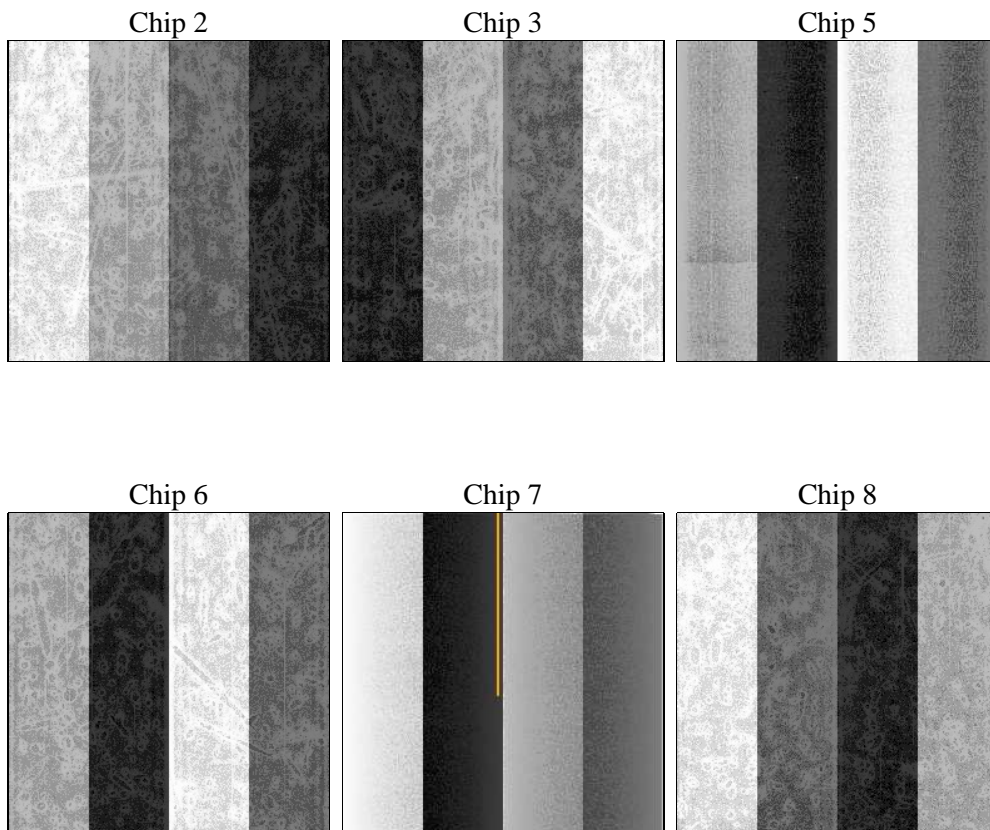
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	23770.924000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	23733.281915575	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime2	23730.082015246	Sum of GTIs [s]
date	2012-10-08T05:53:27	Date and time of file creation	ontime3	23733.158795565	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	23733.240875572	Sum of GTIs [s]
			ontime6	23733.199835569	Sum of GTIs [s]
			ontime7	23733.281915575	Sum of GTIs [s]
			ontime8	23733.117755592	Sum of GTIs [s]
			l1events	1029378	Number of level 1 events

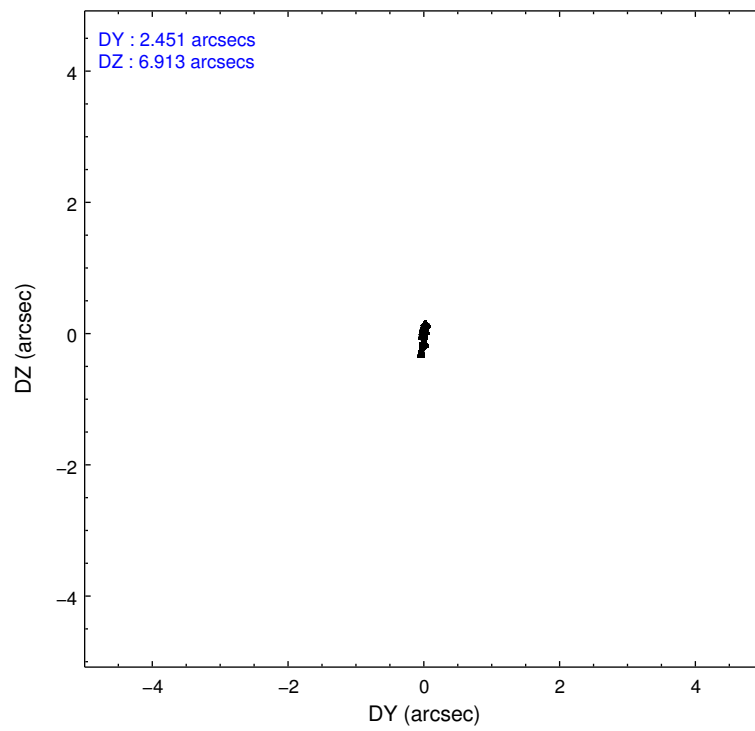
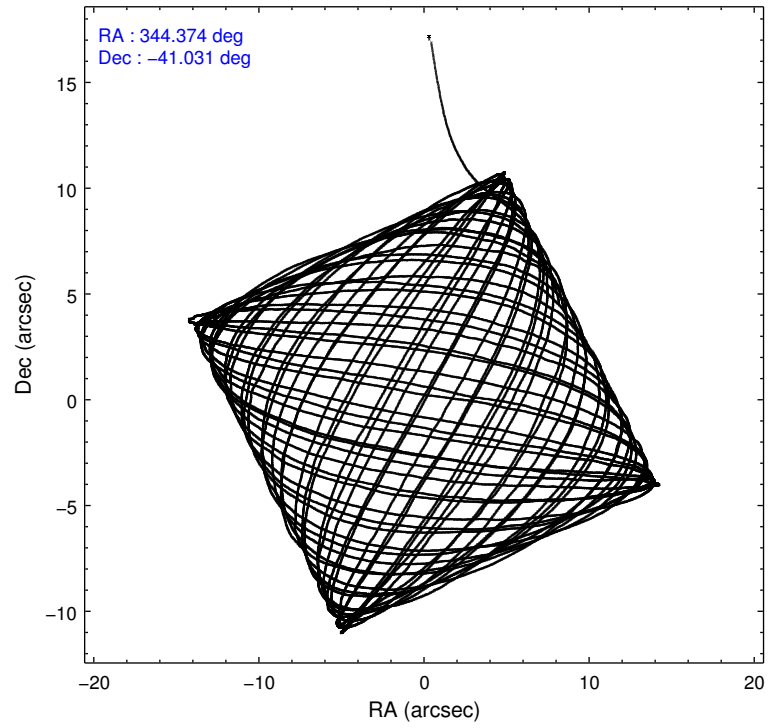
### 2.1.4 Events

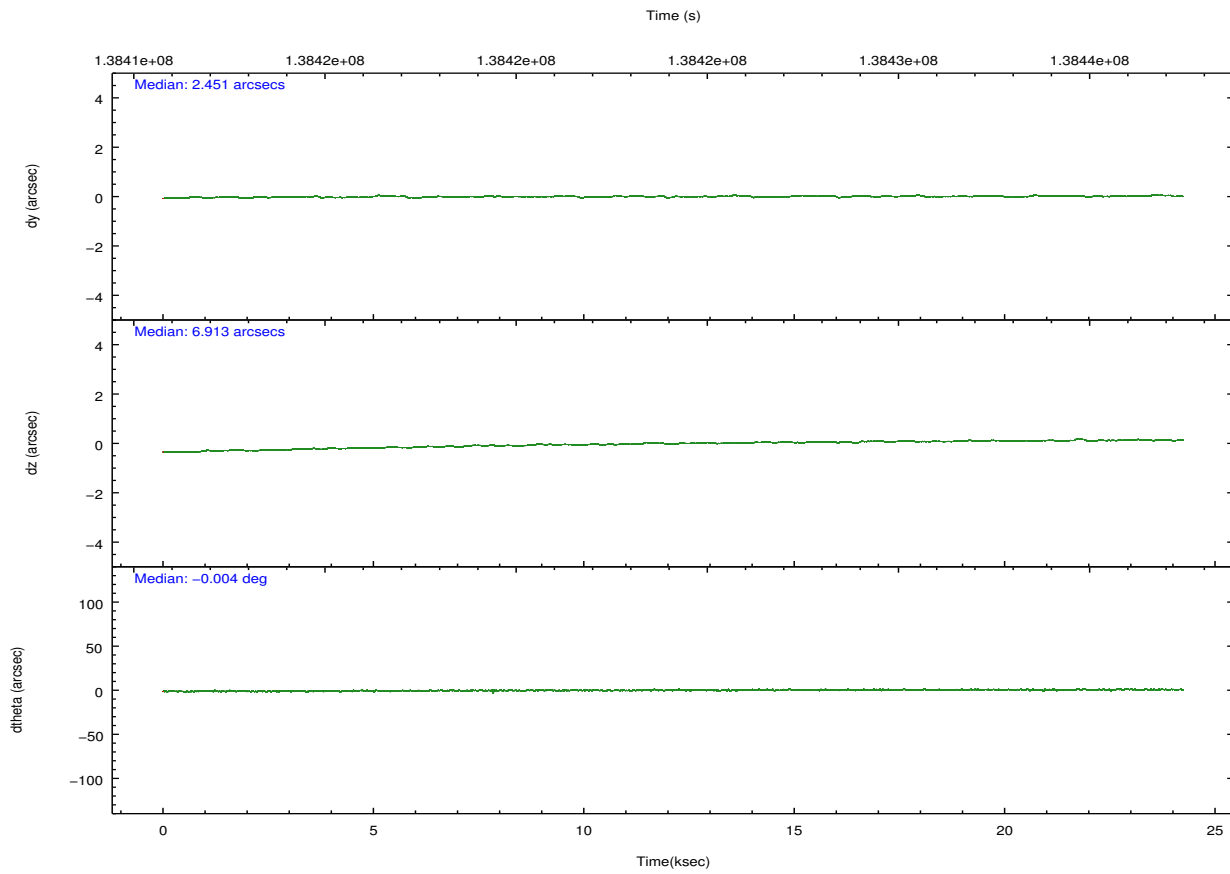
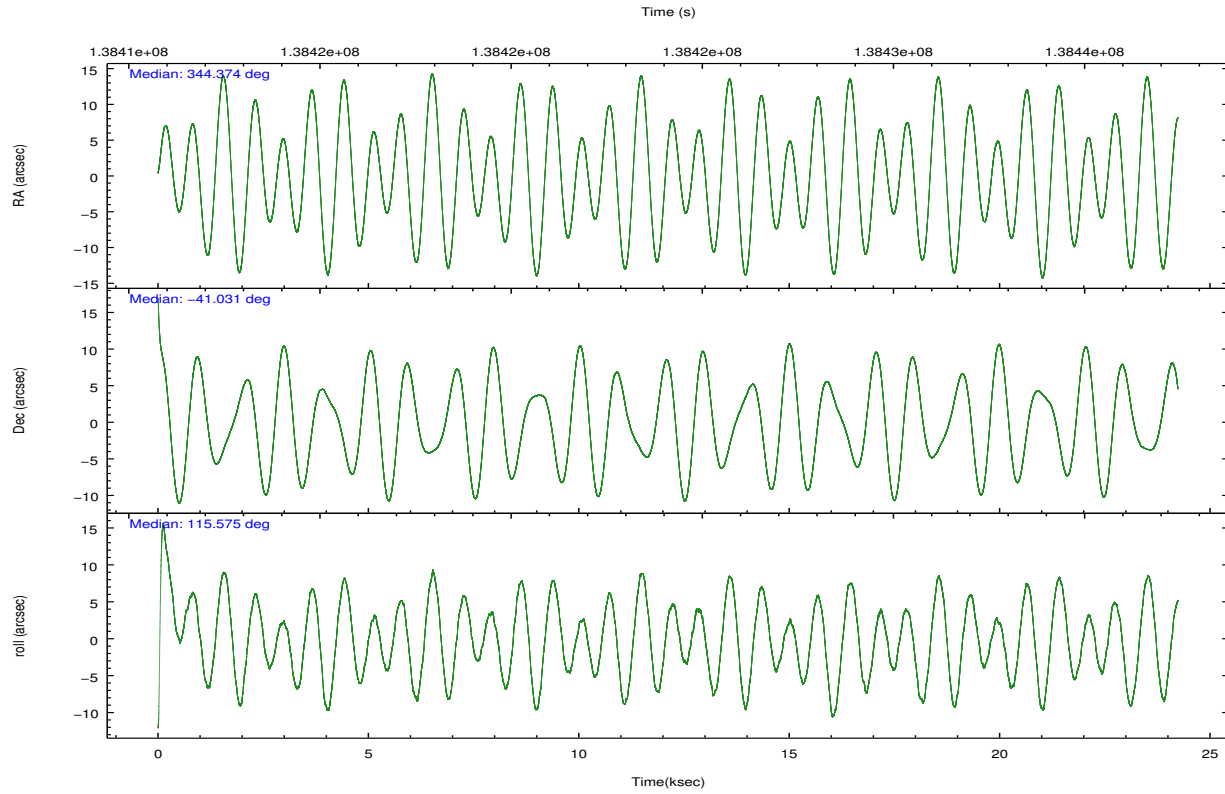
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	150972	141566	217622	144742	192578	181898	grade 0 events	7464	7279	18158	7175	8342	12747
rejected events	133367	124469	113564	127196	111175	143337		4%	5%	8%	4%	4%	7%
rejected %	88%	87%	52%	87%	57%	78%	grade 1 events	66	70	453	60	172	117
								0%	0%	0%	0%	0%	0%
							grade 2 events	3884	3485	27961	3631	16037	8455
								2%	2%	12%	2%	8%	4%
							grade 3 events	1647	1640	3934	1718	7364	3882
								1%	1%	1%	1%	3%	2%
							grade 4 events	1616	1599	4126	1624	7431	3662
								1%	1%	1%	1%	3%	2%
							grade 5 events	5301	5860	15676	6390	18263	8018
								3%	4%	7%	4%	9%	4%
							grade 6 events	2998	3095	49902	3400	42247	9818
								1%	2%	22%	2%	21%	5%
							grade 7 events	127996	118538	97412	120744	92722	135199
								84%	83%	44%	83%	48%	74%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	344.404550	344.3745055503117	Subarray requested	NONE	NONE
[deg] Pointing Dec	-41.046042	-41.03090747474752	Alternating exposures requested	N	N
[deg] Pointing Roll	115.442394	115.5792843056059	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	138412451.184000	138411342.28009			
Observation start date	2002-05-21T23:53:07	2002-05-21T23:35:42			
[s] Observation end time (MET)	138436222.184000	138436536.78111			
Observation end date	2002-05-22T06:29:18	2002-05-22T06:35:36			
Read mode	TIMED	TIMED			

## 2.3 Aspect





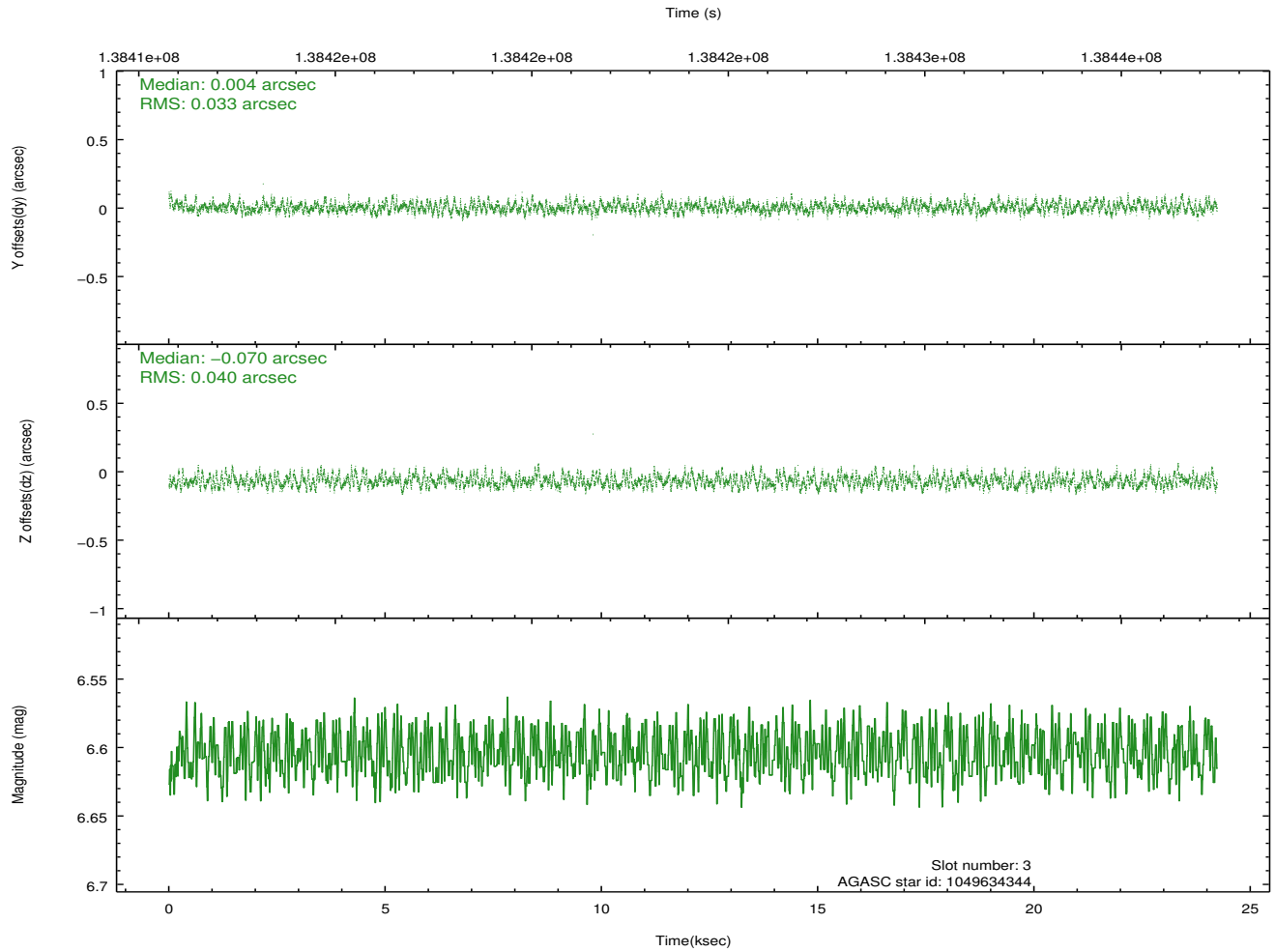
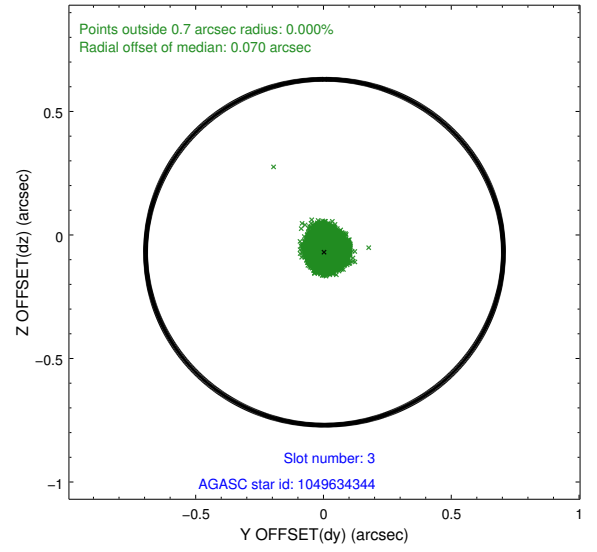
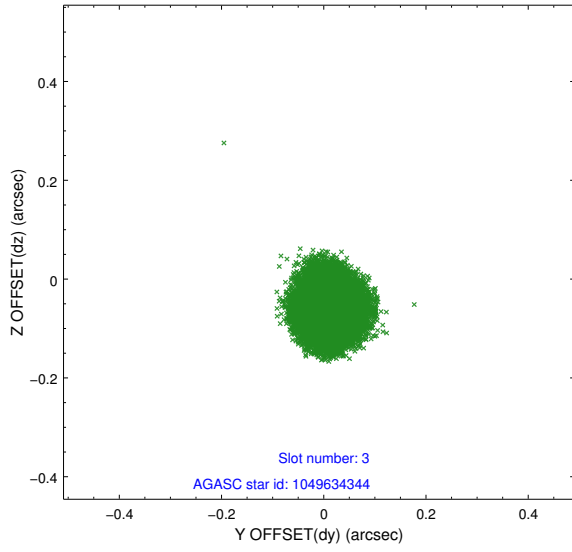
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	5909	-0.020	0.017	0.008	0.013	0.000000	0.000000	-755.08	-1727.97
1	FID	ACIS-S-4	7.20	5909	-0.037	0.005	0.006	0.010	0.000000	0.000000	2158.11	180.39
2	FID	ACIS-S-5	7.24	5911	0.026	-0.013	0.007	0.013	0.000000	0.000000	-1807.73	174.16
3	GUIDE	1049634344	6.61	11821	0.004	-0.070	0.056	0.086	343.976575	-41.096753	330.34	1127.40
4	GUIDE	1049634160	6.98	11822	0.171	0.173	0.065	0.096	345.100702	-41.151222	-1160.11	-1538.35
5	GUIDE	1049632784	8.34	11804	-0.264	-0.035	0.049	0.079	343.716437	-40.670072	2021.33	1117.89
6	GUIDE	1049632536	8.47	11820	0.037	-0.052	0.057	0.093	343.750238	-40.926333	1146.91	1424.45
7	GUIDE	1049635176	10.18	11809	0.050	-0.016	0.138	0.224	343.420981	-40.689272	2298.67	1879.00

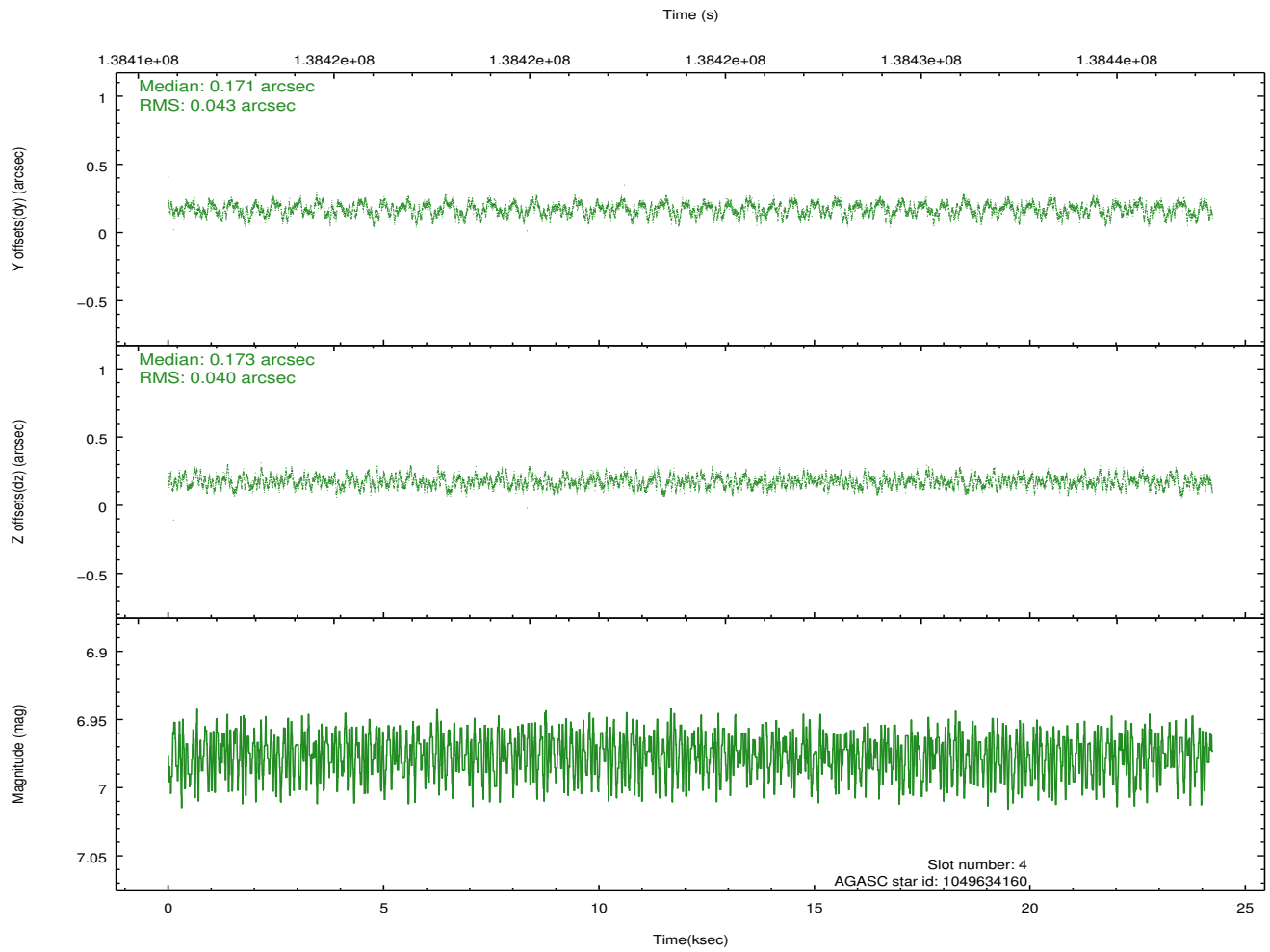
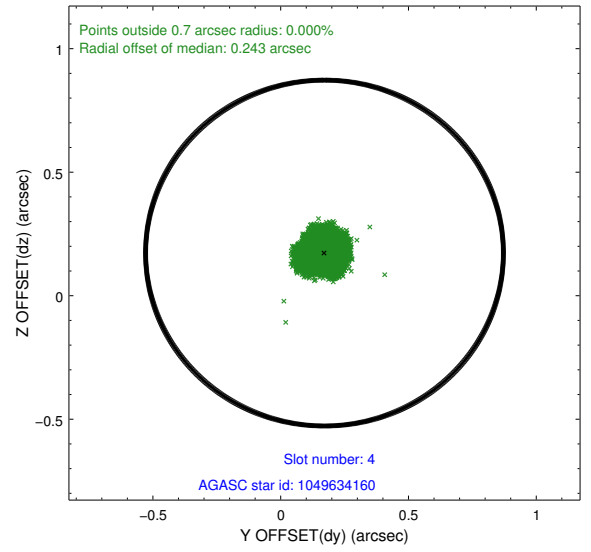
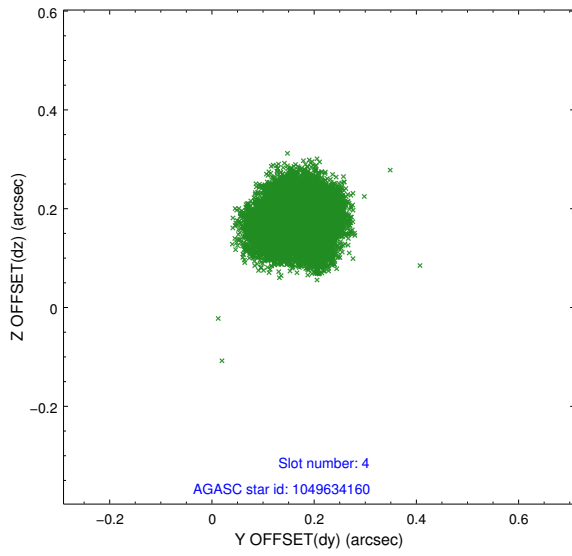
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## 2.4 Star Slots

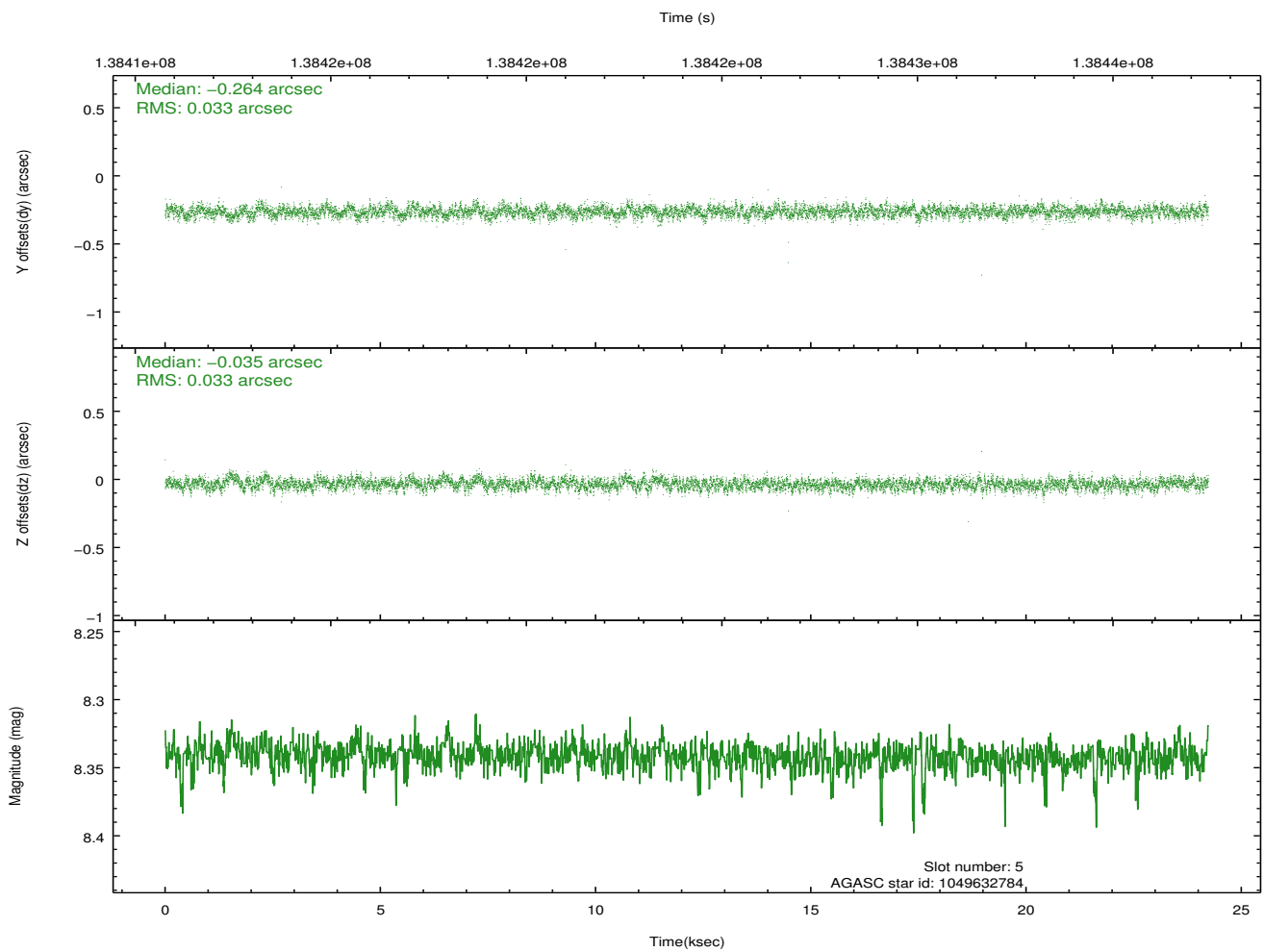
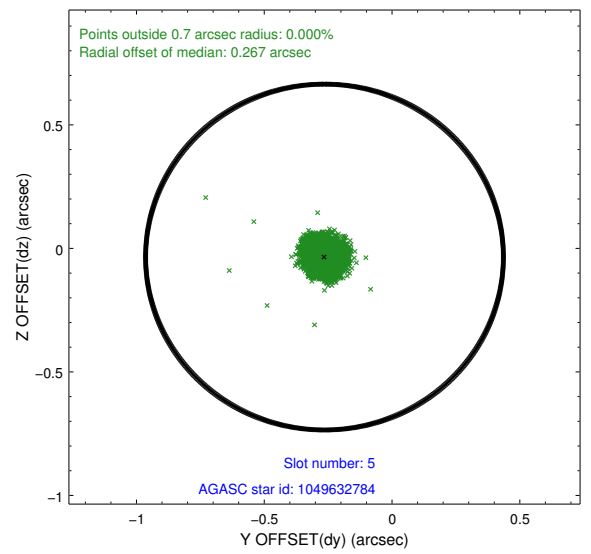
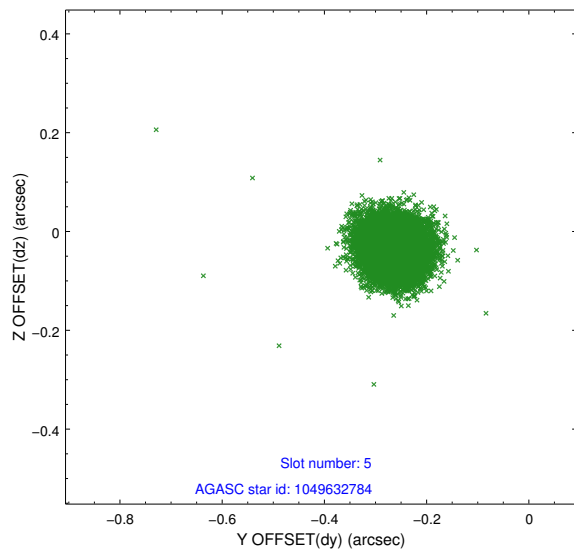
### 2.4.1 Slot 3



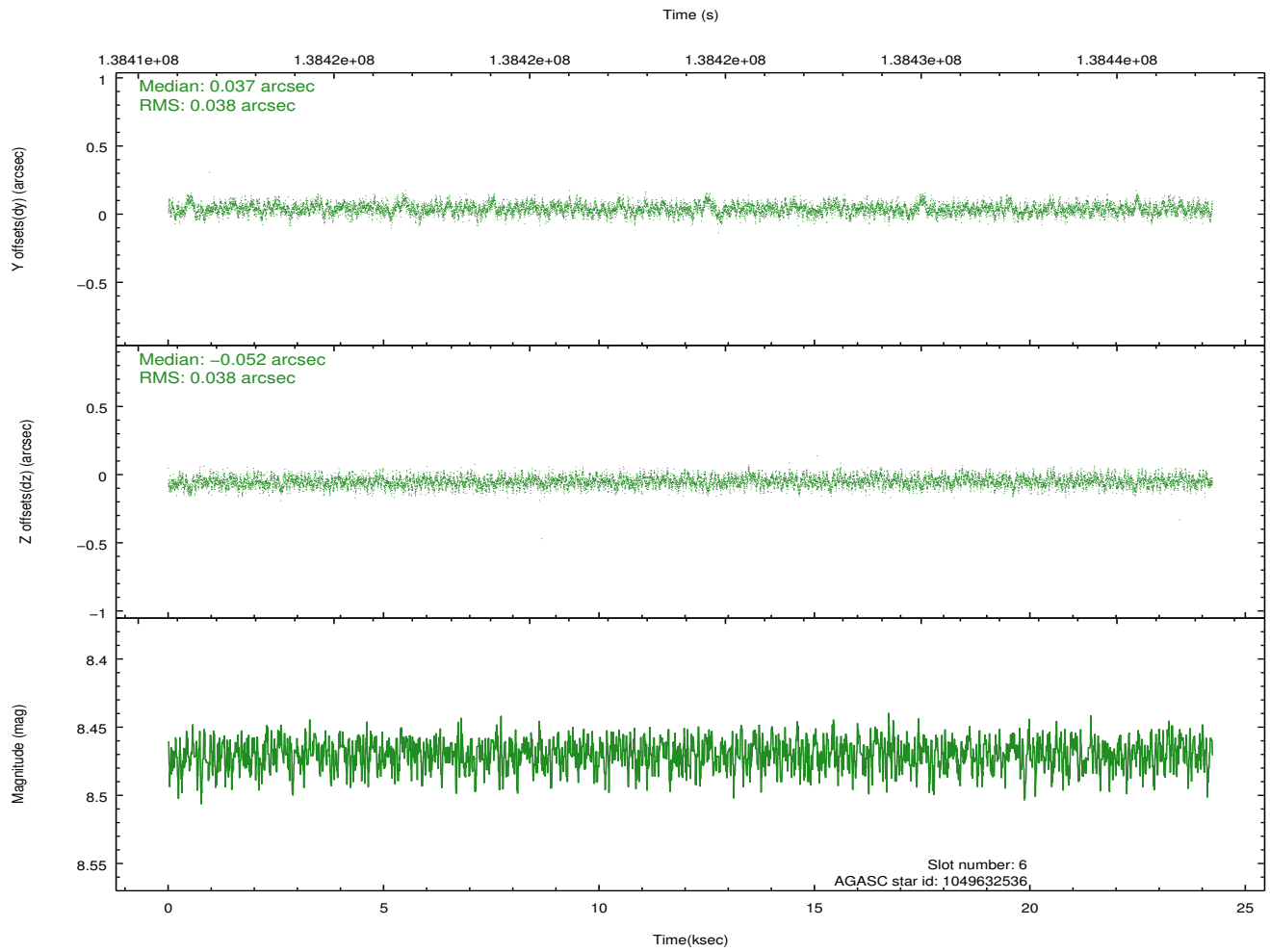
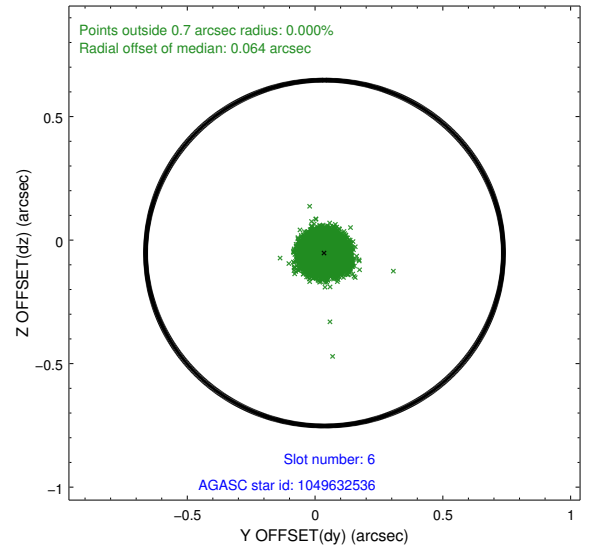
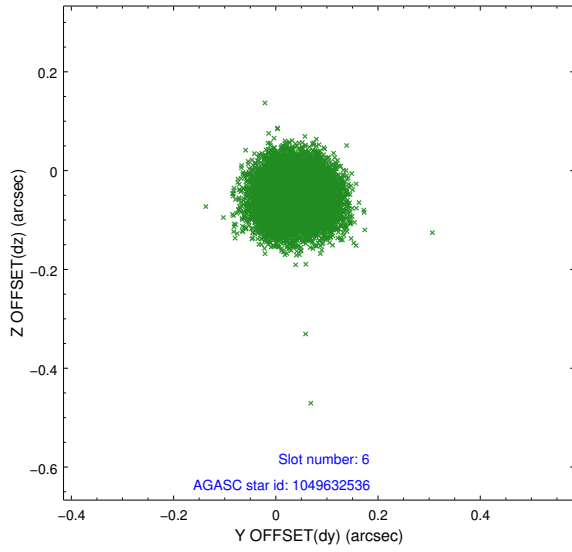
### 2.4.2 Slot 4



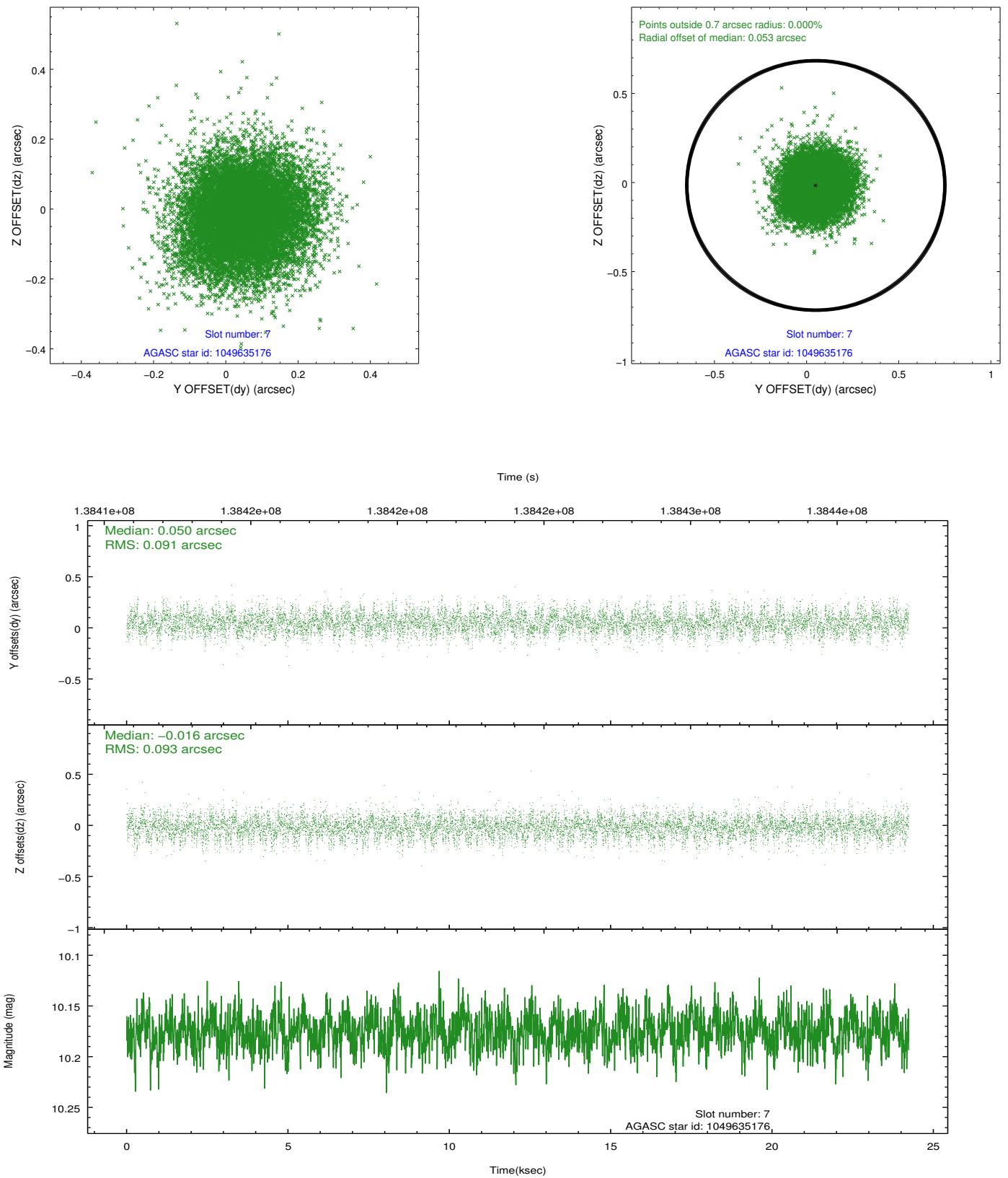
### 2.4.3 Slot 5



### 2.4.4 Slot 6

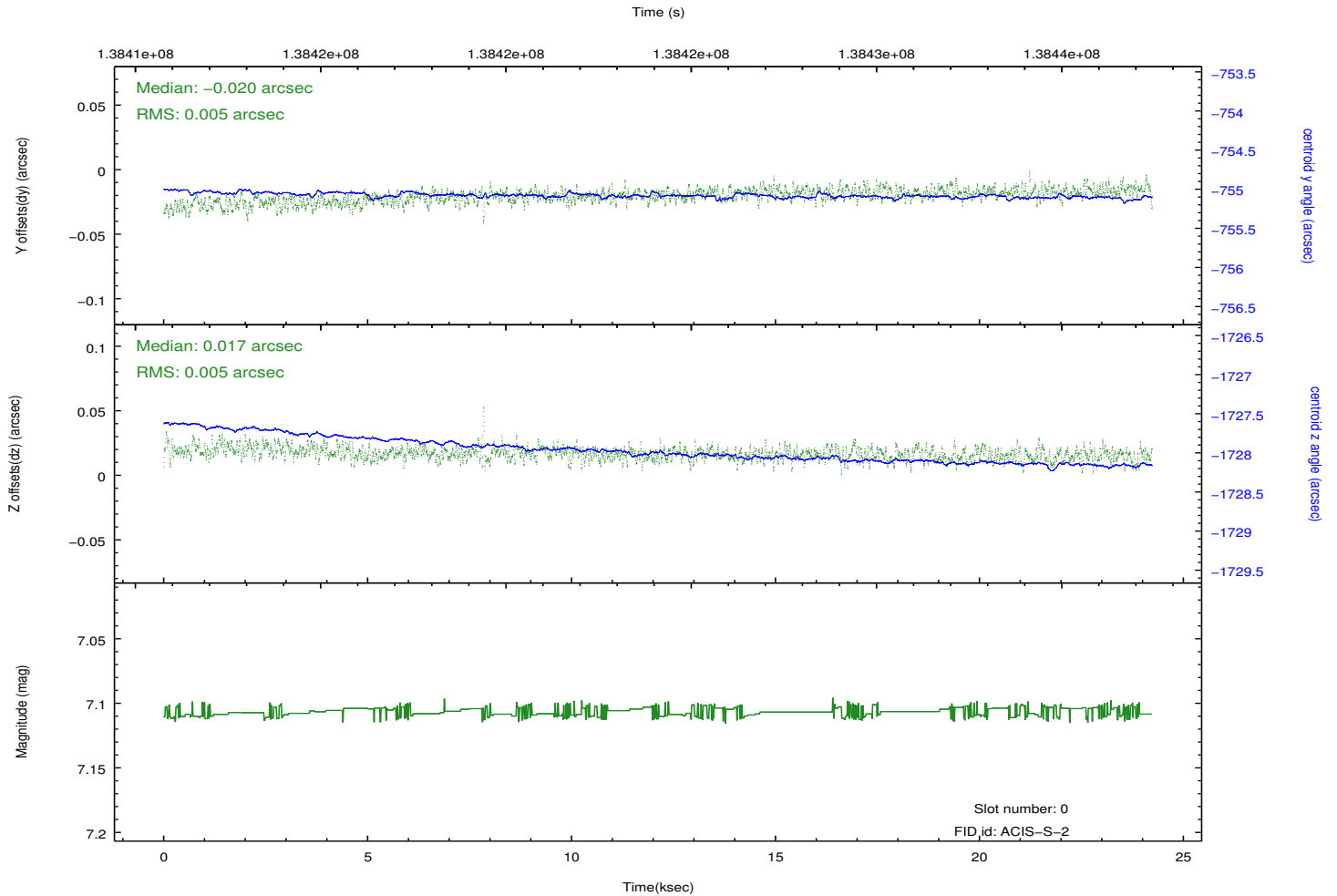
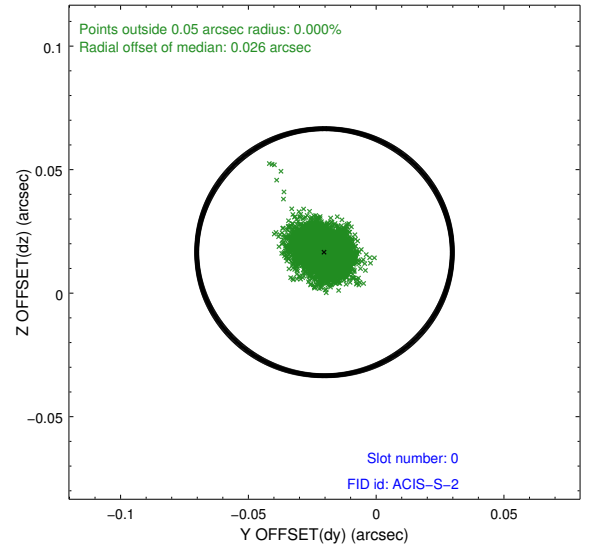
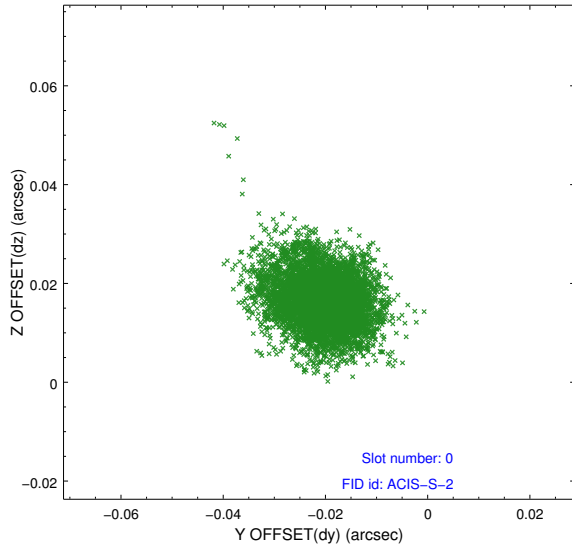


## 2.4.5 Slot 7

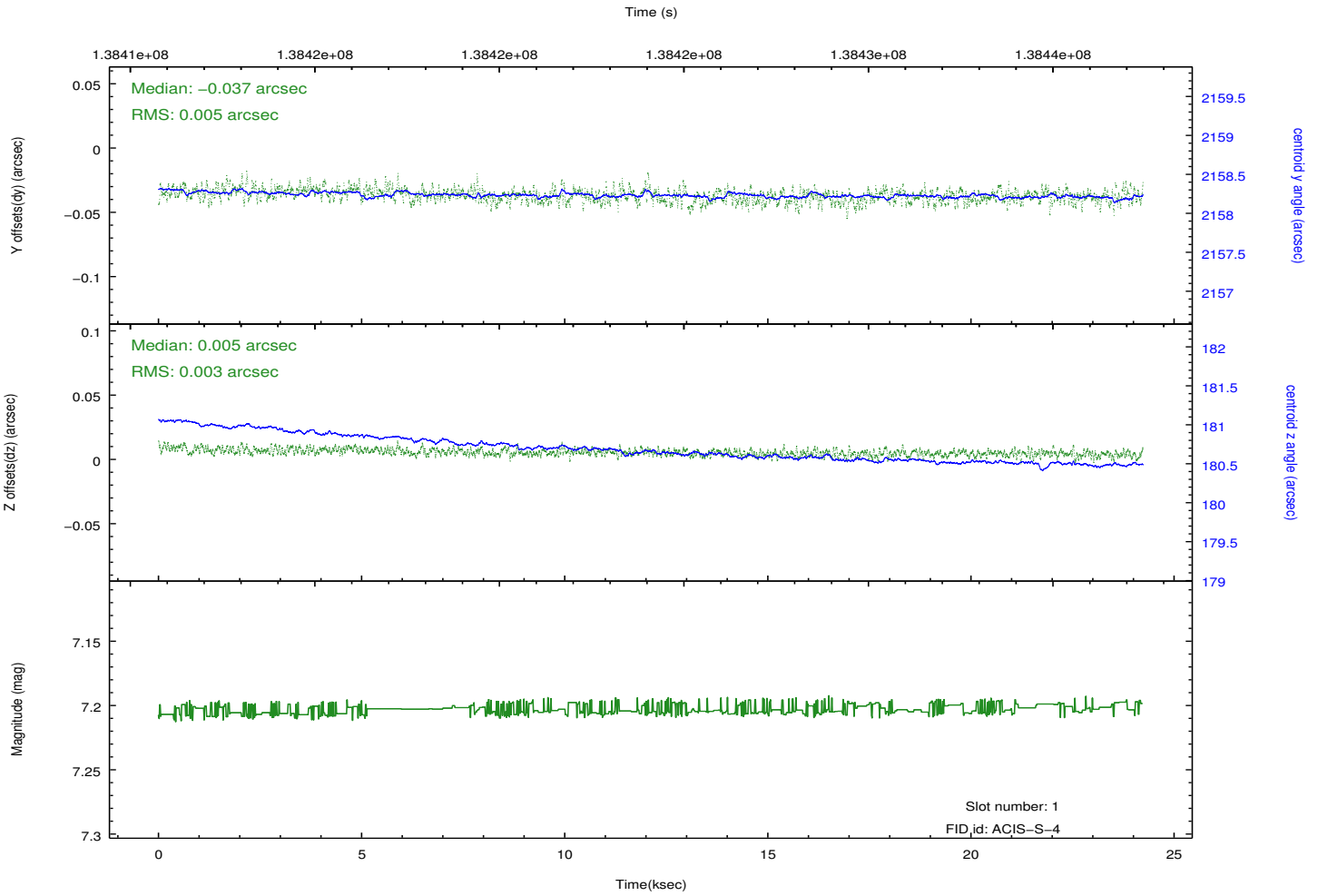
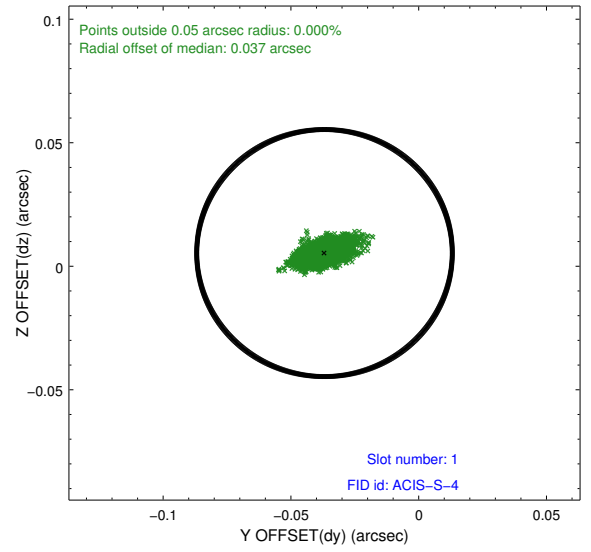
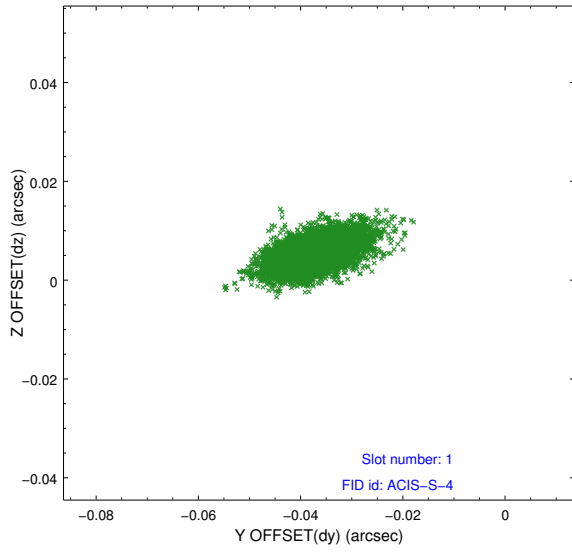


## 2.5 FID Slots

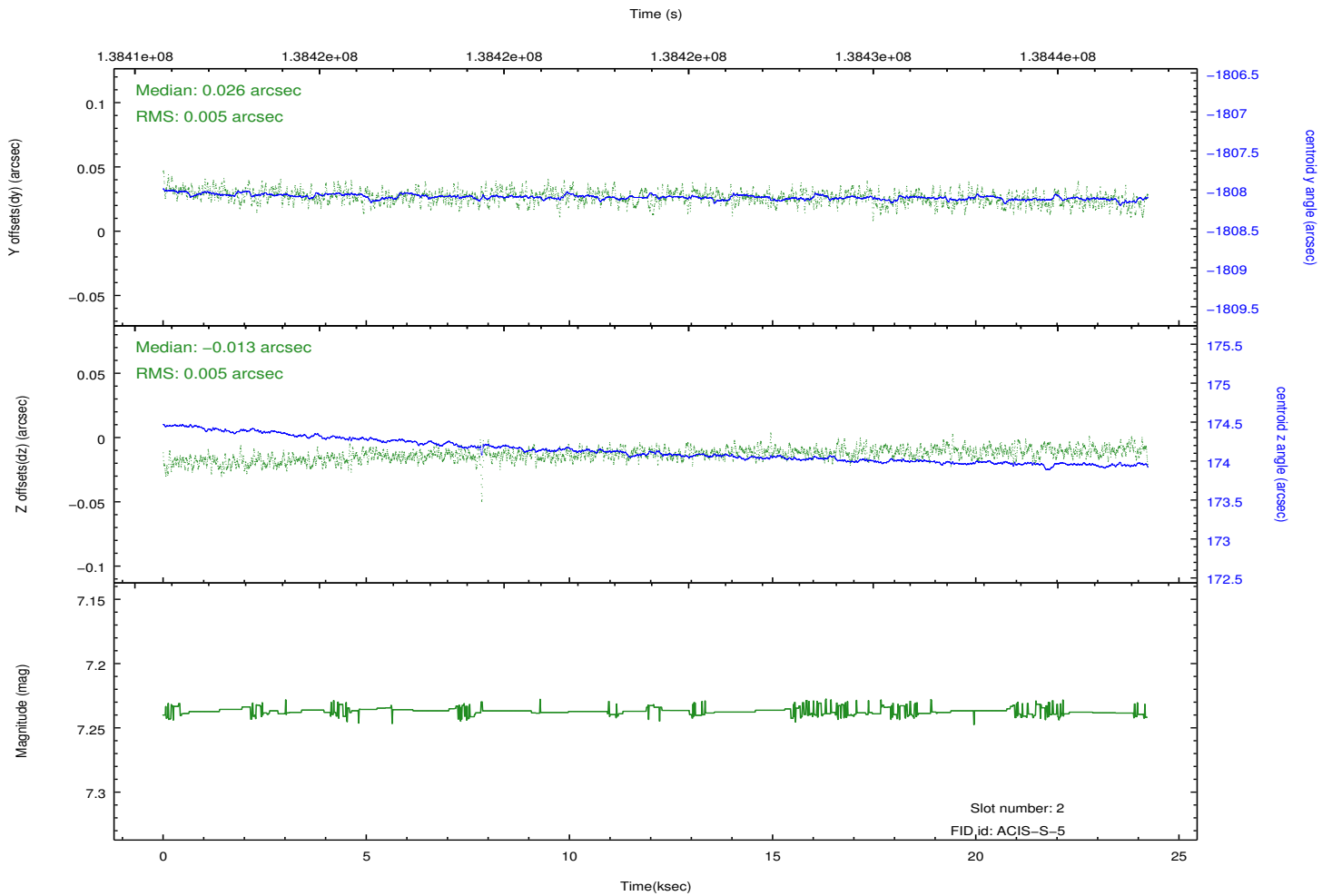
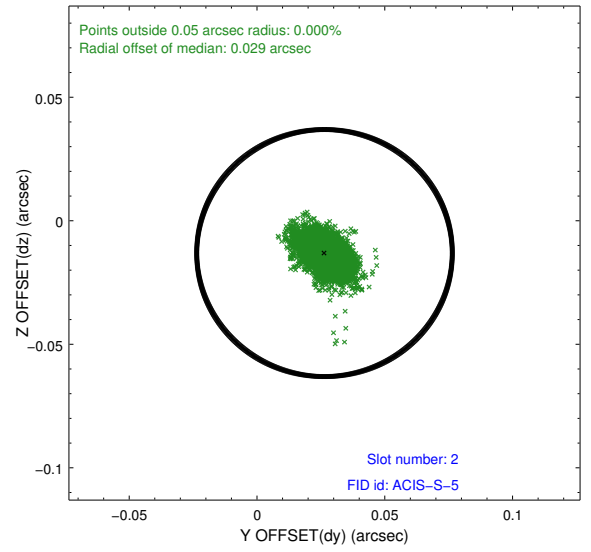
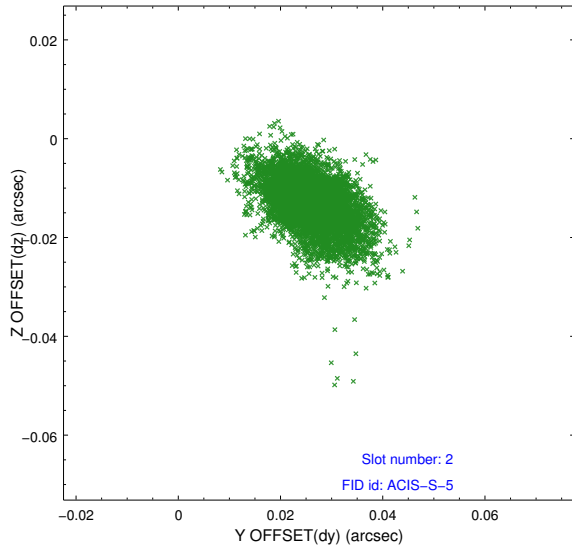
### 2.5.1 Slot 0



## 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)	2012.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.734

## A.2 Comments