

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 5190 - L2 Version 3  
Chandra X-Ray Center

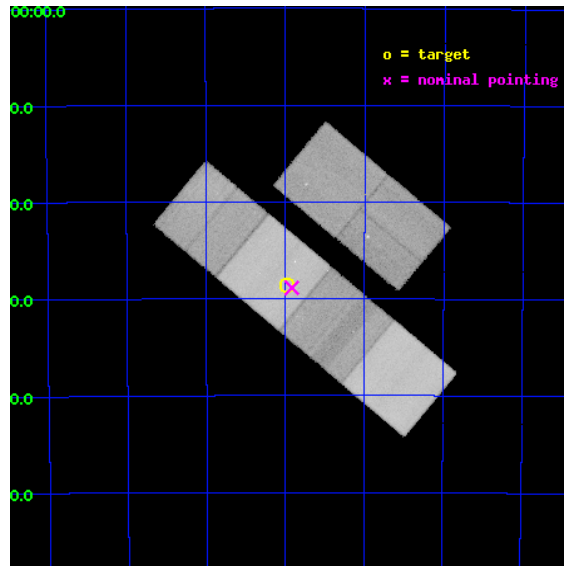
L2 Processing Date : Nov 6 2012

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# 1 Front

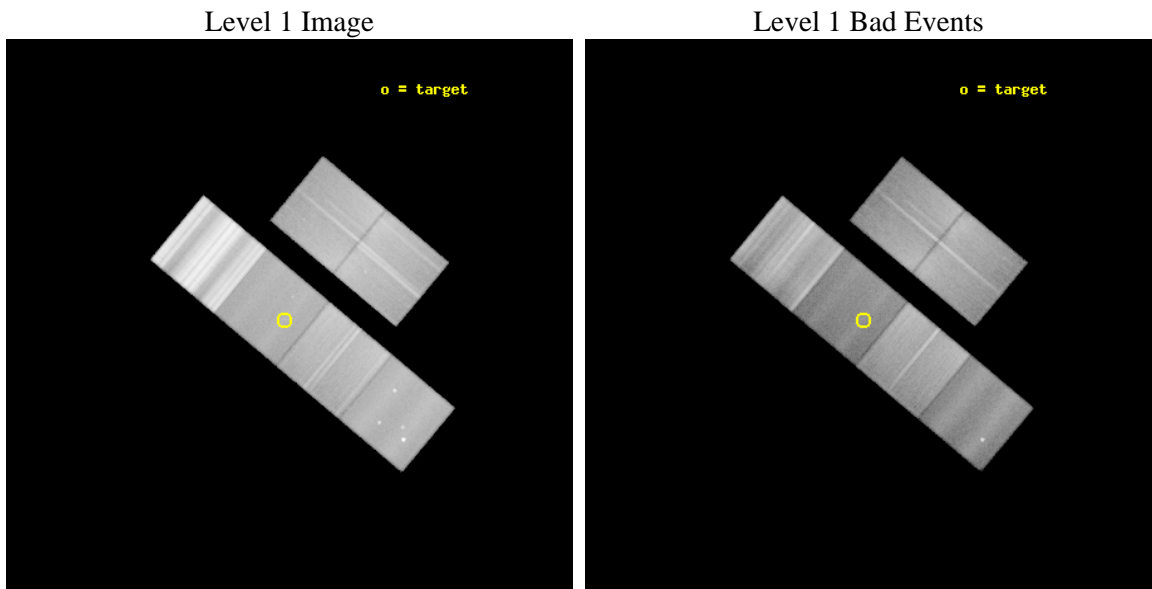
seq_num	400373	Sequence number
obs_id	5190	Observation id
title	Final evolution of the western X-Ray Jet of XTE J1550-564	Proposal
observer	Prof. Stephane CORBEL	Principal investigator
object	XTE J1550-564	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	237.744583	Observer's specified target RA [deg]
dec_targ	-56.476556	Observer's specified target Dec [deg]
ra_nom	237.72937211435	Nominal RA [deg]
dec_nom	-56.48135940216	Nominal Dec [deg]
roll_nom	219.86558283289	Nominal Roll [deg]
revision	3	Processing version of data
ontime	48444.799819529	Sum of GTIs [s]
livetime	47831.362594258	Livetime [s]
ontime2	48441.558849275	Sum of GTIs [s]
ontime3	48444.799819529	Sum of GTIs [s]
ontime5	48444.799819529	Sum of GTIs [s]
ontime6	48444.799819529	Sum of GTIs [s]
ontime7	48444.799819529	Sum of GTIs [s]
ontime8	48444.799819529	Sum of GTIs [s]
l2events	795209	Number of level 2 events



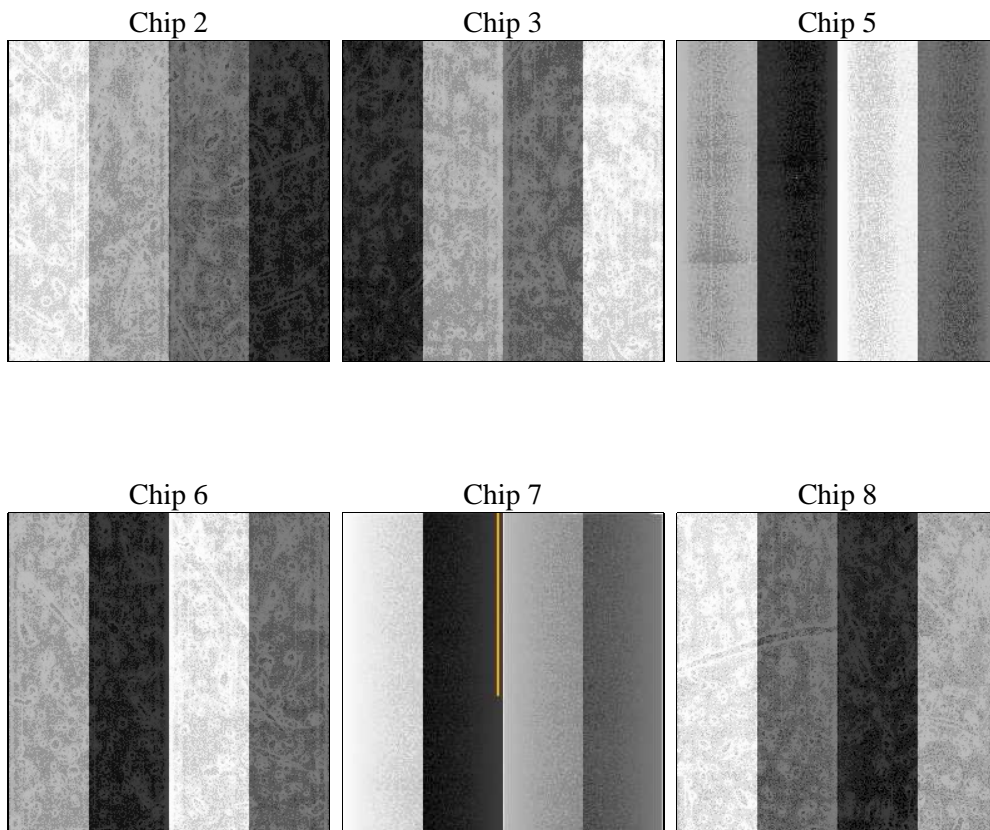
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	48483.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	48444.799819529	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime2	48441.558849275	Sum of GTIs [s]
date	2012-11-05T22:18:20	Date and time of file creation	ontime3	48444.799819529	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	48444.799819529	Sum of GTIs [s]
			ontime6	48444.799819529	Sum of GTIs [s]
			ontime7	48444.799819529	Sum of GTIs [s]
			ontime8	48444.799819529	Sum of GTIs [s]
			l1events	5020202	Number of level 1 events

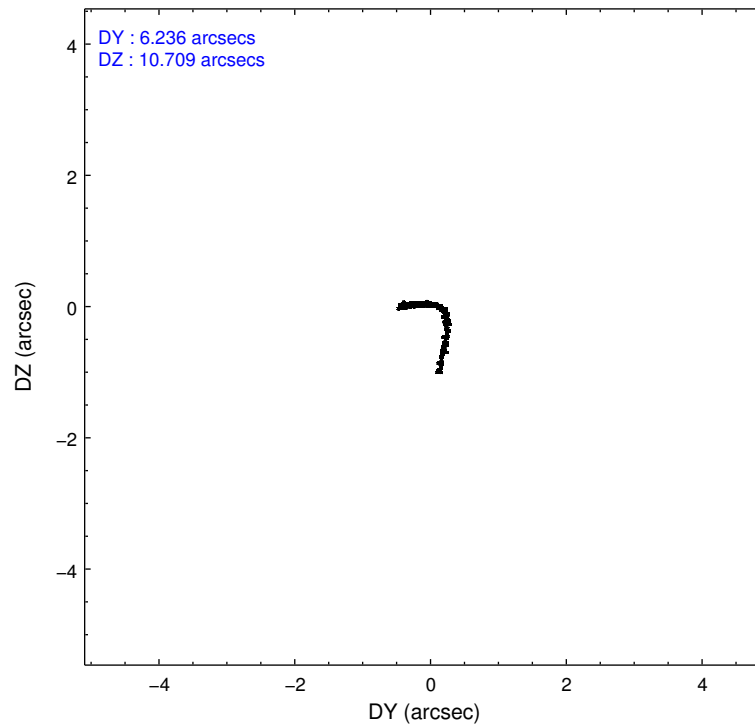
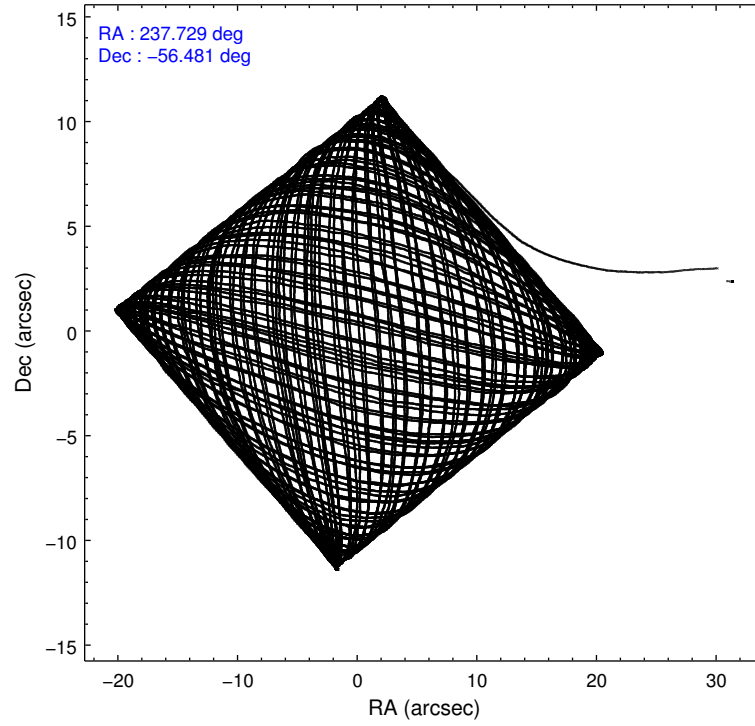
### 2.1.4 Events

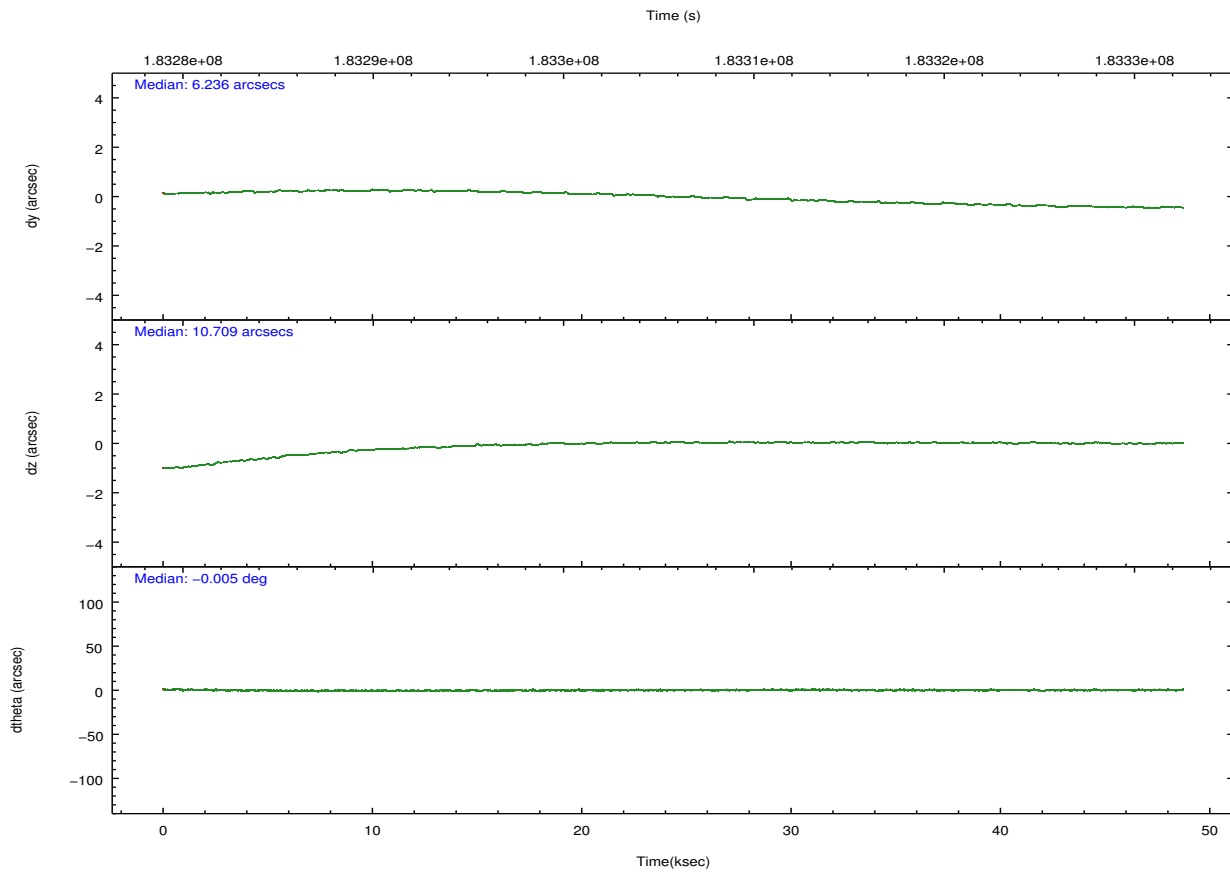
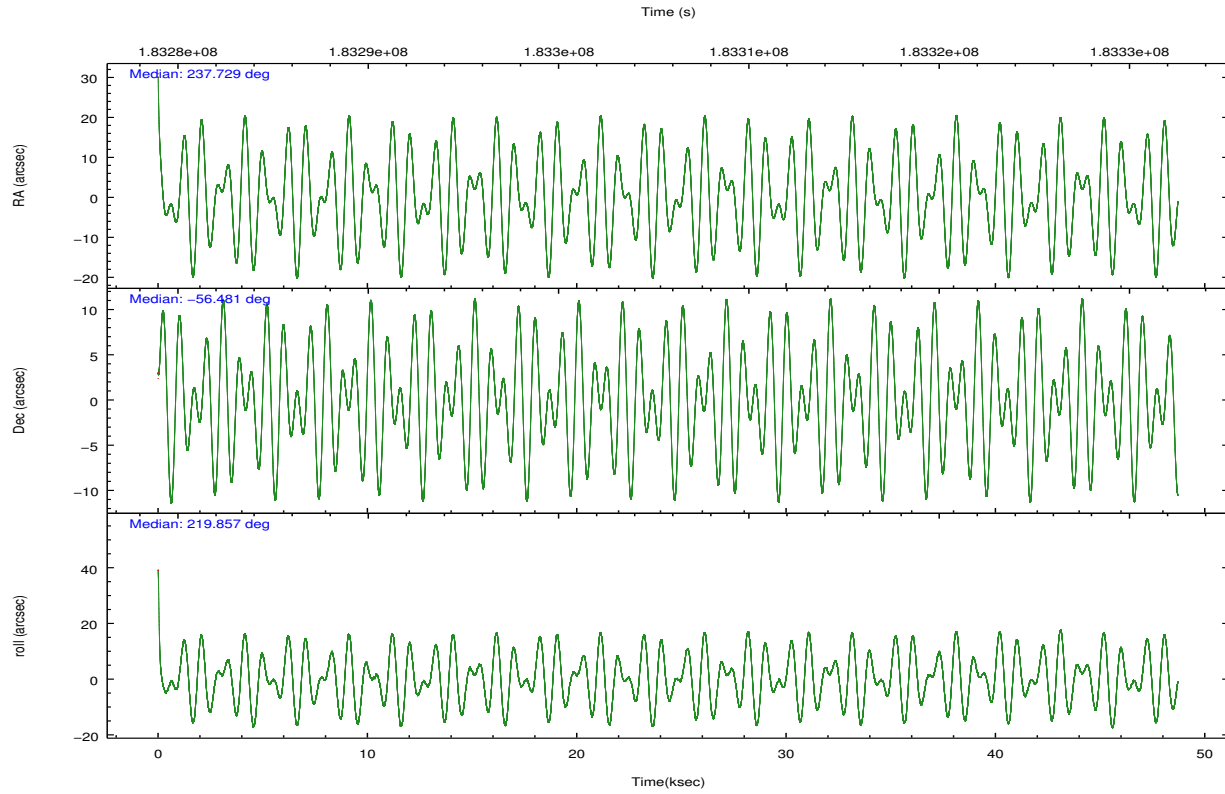
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	688118	599504	570604	669543	476393	2016040	grade 0 events	54170	31657	34281	41394	28231	381072
rejected events	555408	508394	307090	555913	255508	673611		7%	5%	6%	6%	5%	18%
rejected %	80%	84%	53%	83%	53%	33%	grade 1 events	568	239	1560	339	916	3329
								0%	0%	0%	0%	0%	0%
							grade 2 events	38473	23429	85660	35257	52796	184695
								5%	3%	15%	5%	11%	9%
							grade 3 events	5184	5307	16099	5417	20530	243708
								0%	0%	2%	0%	4%	12%
							grade 4 events	9777	5759	15257	5288	20871	218528
								1%	0%	2%	0%	4%	10%
							grade 5 events	12357	12695	37317	13274	40891	35977
								1%	2%	6%	1%	8%	1%
							grade 6 events	25122	24969	112248	26281	98472	314546
								3%	4%	19%	3%	20%	15%
							grade 7 events	542467	495449	268182	542293	213686	634185
								78%	82%	46%	80%	44%	31%

## 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	237.745720	237.7293721143544	Subarray requested	NONE	NONE
[deg] Pointing Dec	-56.455668	-56.48135940216017	Alternating exposures requested	N	N
[deg] Pointing Roll	219.722576	219.8655828328945	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	183281627.184000	183280642.28697			
Observation start date	2003-10-23T07:32:43	2003-10-23T07:17:22			
[s] Observation end time (MET)	183330110.184000	183331468.45165			
Observation end date	2003-10-23T21:00:46	2003-10-23T21:24:28			
Read mode	TIMED	TIMED			

## 2.3 Aspect



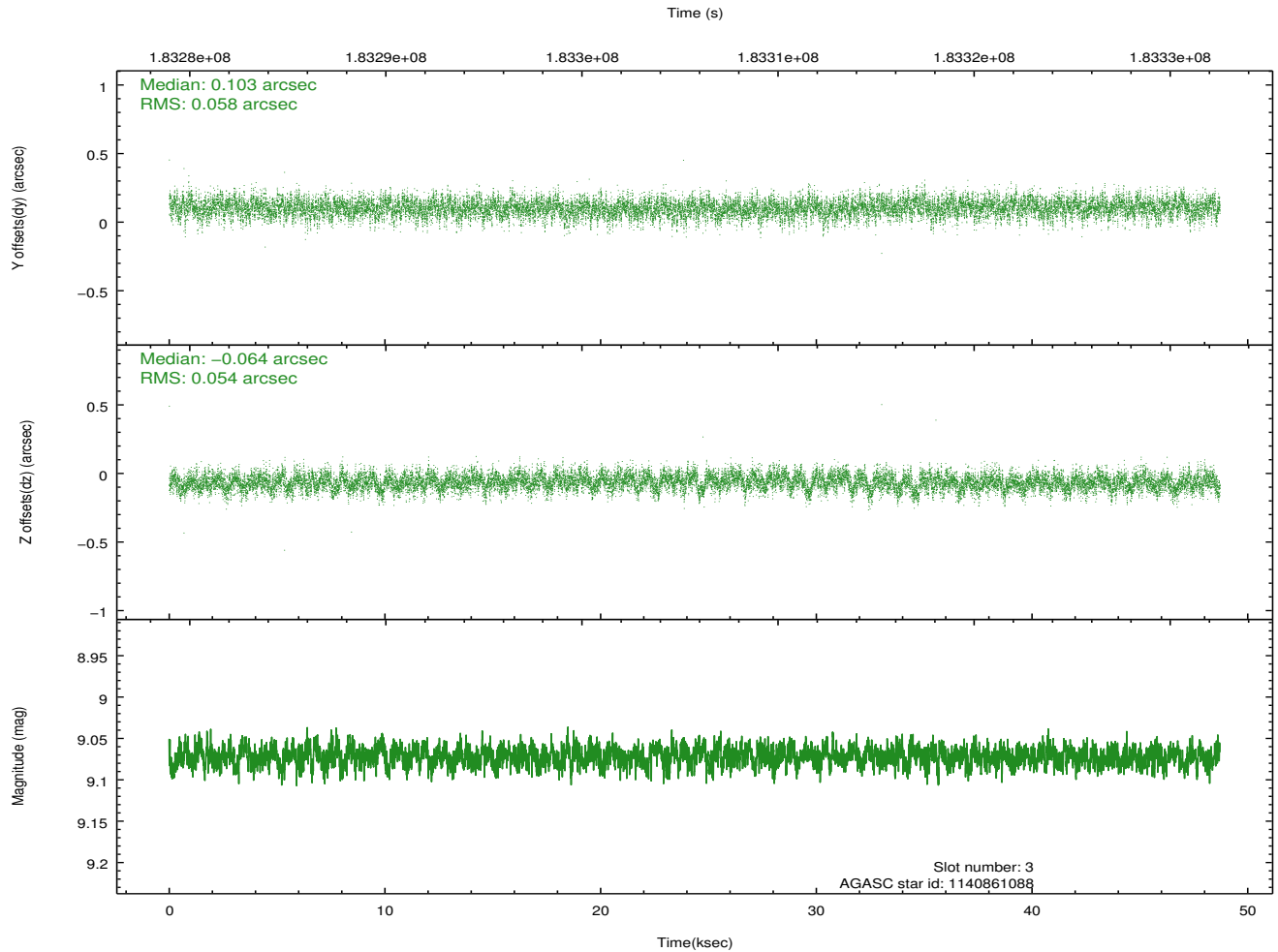
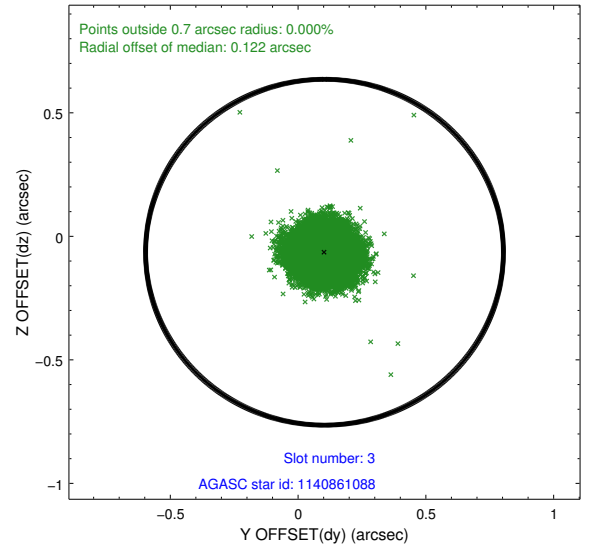
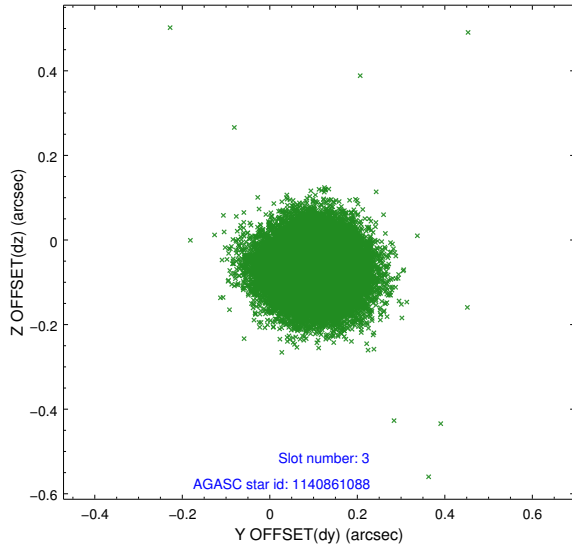


### Slot Statistics

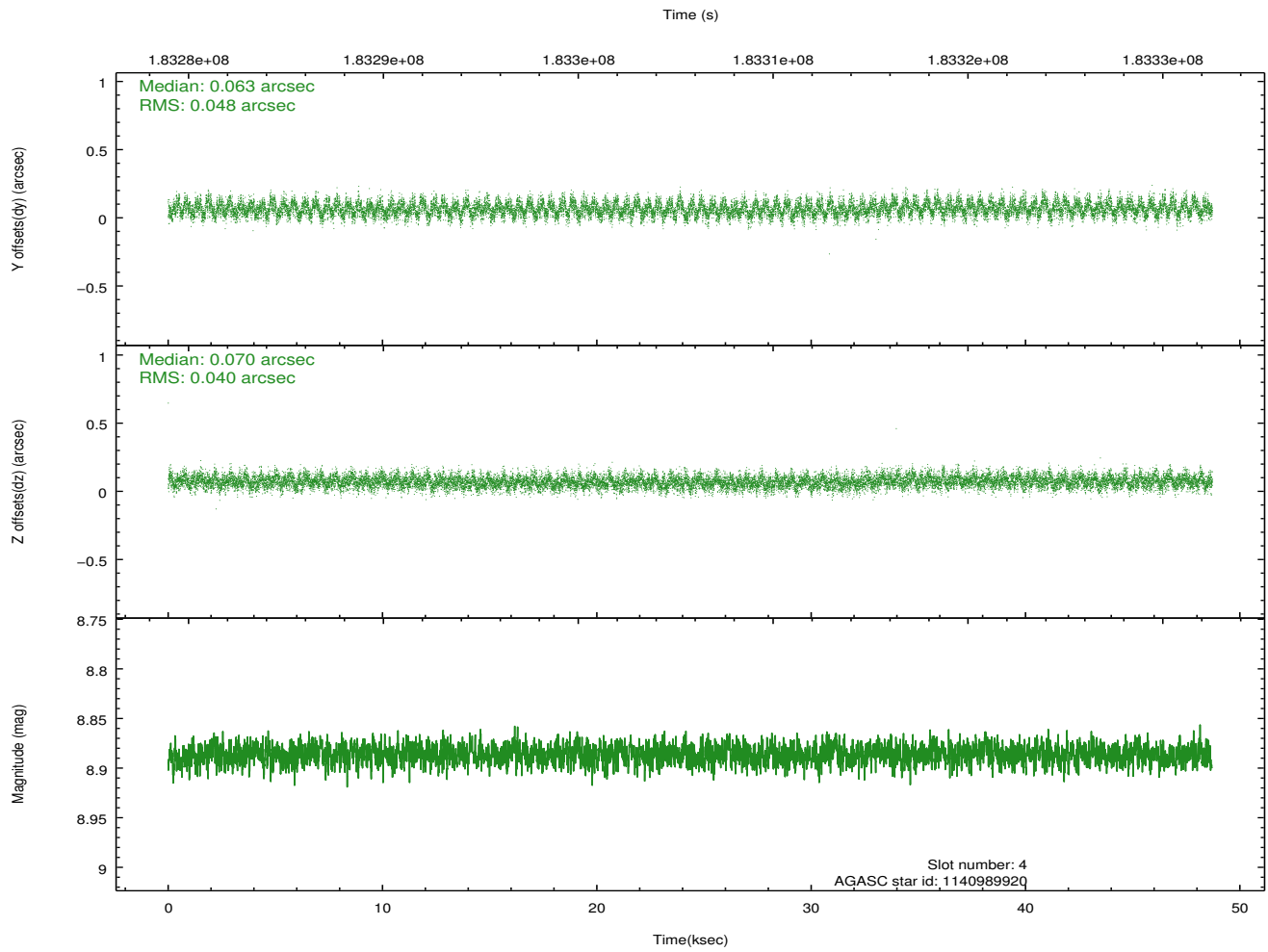
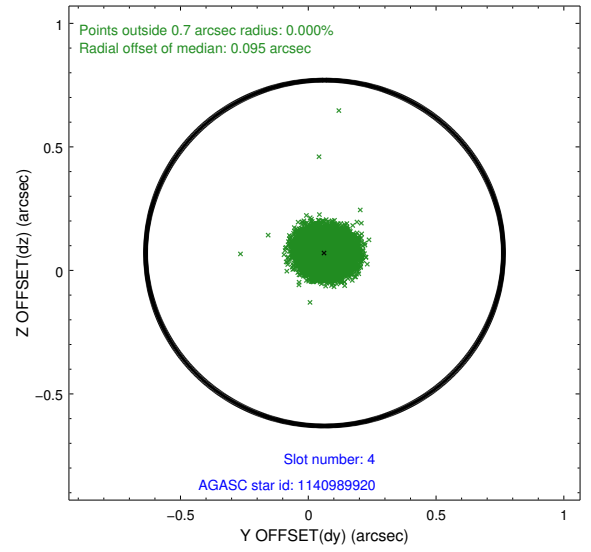
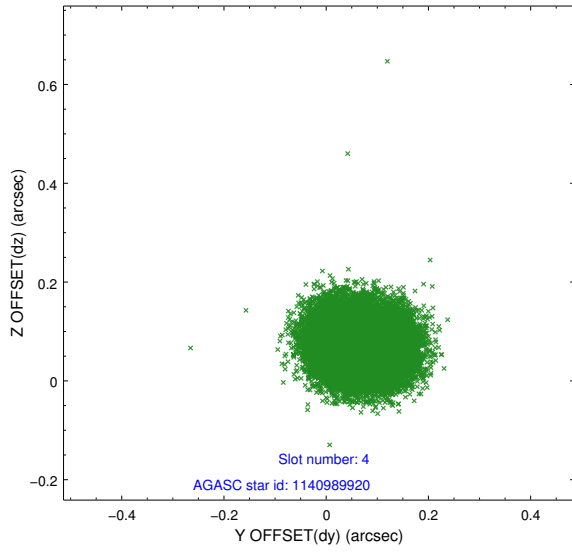
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	11882	-0.063	-0.015	0.011	0.018	0.000000	0.000000	-758.96	-1731.86
1	FID	ACIS-S-4	7.20	11881	0.075	0.034	0.014	0.022	0.000000	0.000000	2154.43	176.73
2	FID	ACIS-S-5	7.23	11881	-0.045	-0.011	0.011	0.018	0.000000	0.000000	-1811.83	170.28
3	GUIDE	1140861088	9.07	23753	0.103	-0.064	0.084	0.135	236.443591	-56.463656	2026.55	-1613.61
4	GUIDE	1140989920	8.89	23746	0.063	0.070	0.066	0.106	237.647305	-57.151120	1748.20	1803.44
5	GUIDE	1140998784	9.20	23748	-0.037	-0.014	0.080	0.127	238.683224	-56.839204	-529.46	2251.60
6	GUIDE	1141000720	9.18	23749	-0.075	0.041	0.086	0.136	238.678440	-56.280404	-1828.64	715.67
7	GUIDE	1140464712	8.84	23746	-0.054	-0.035	0.071	0.118	237.089614	-55.992926	-44.02	-2120.54

## 2.4 Star Slots

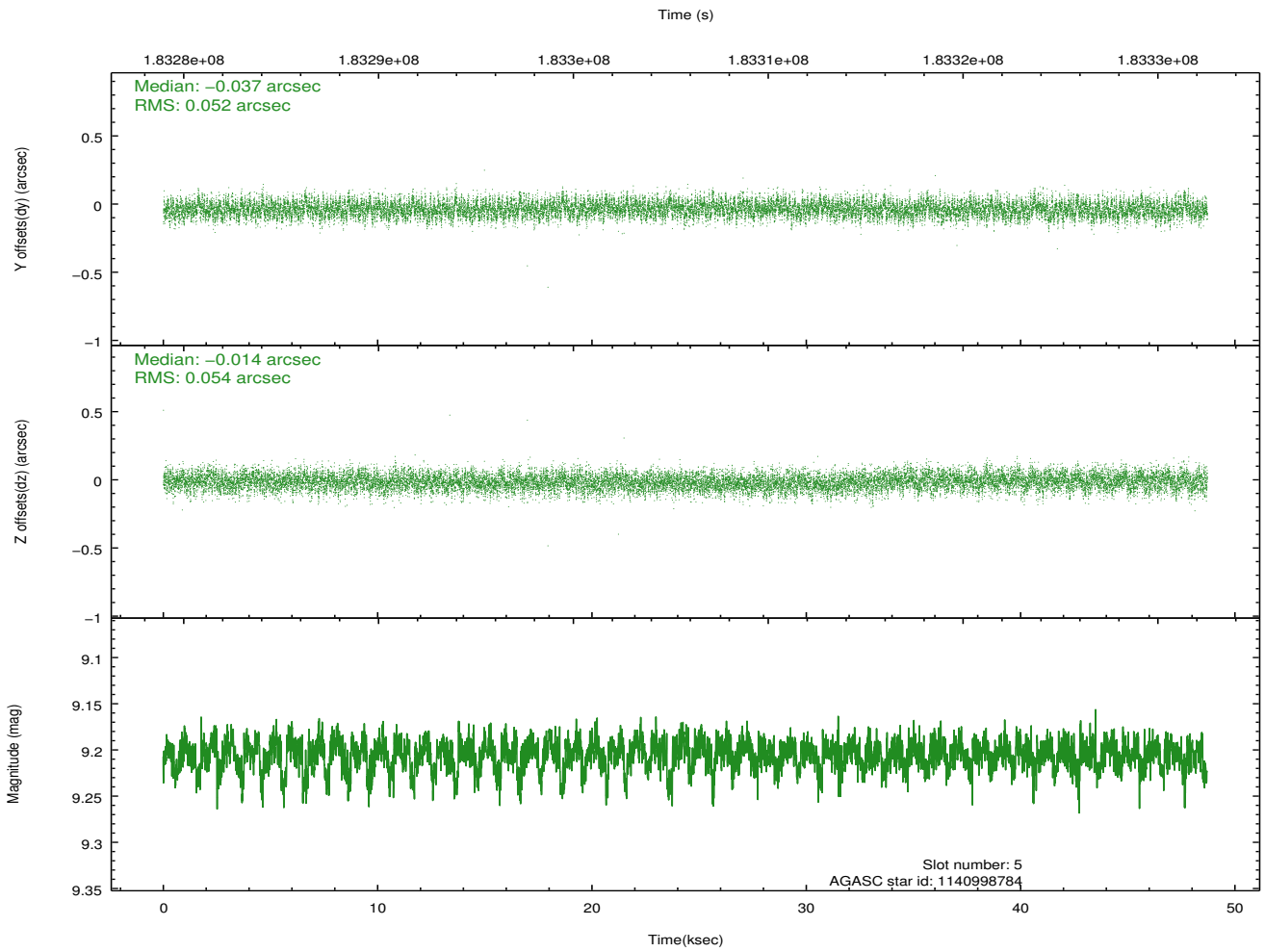
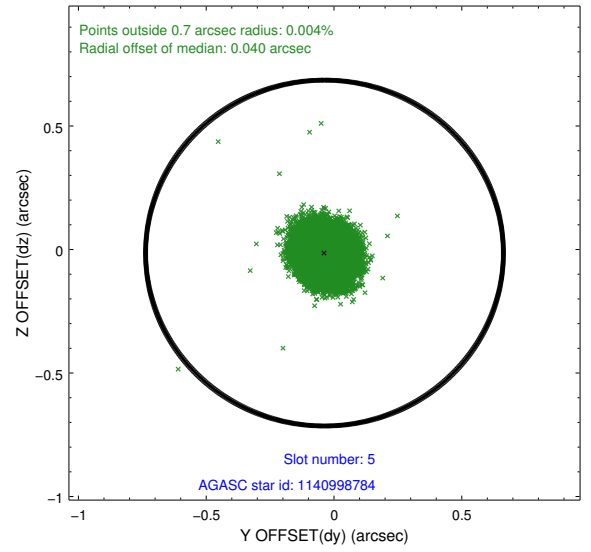
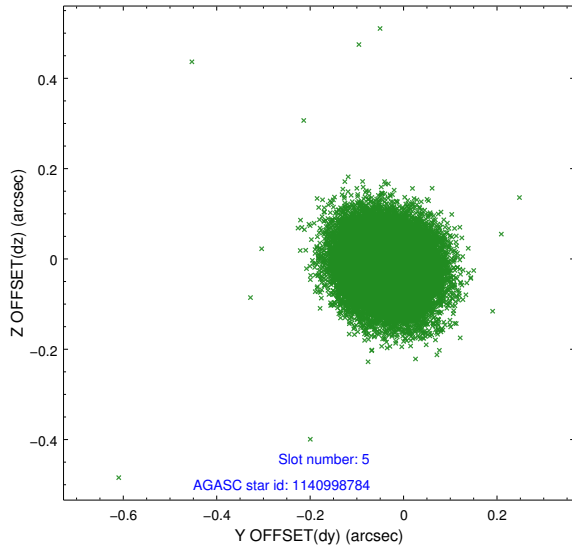
### 2.4.1 Slot 3



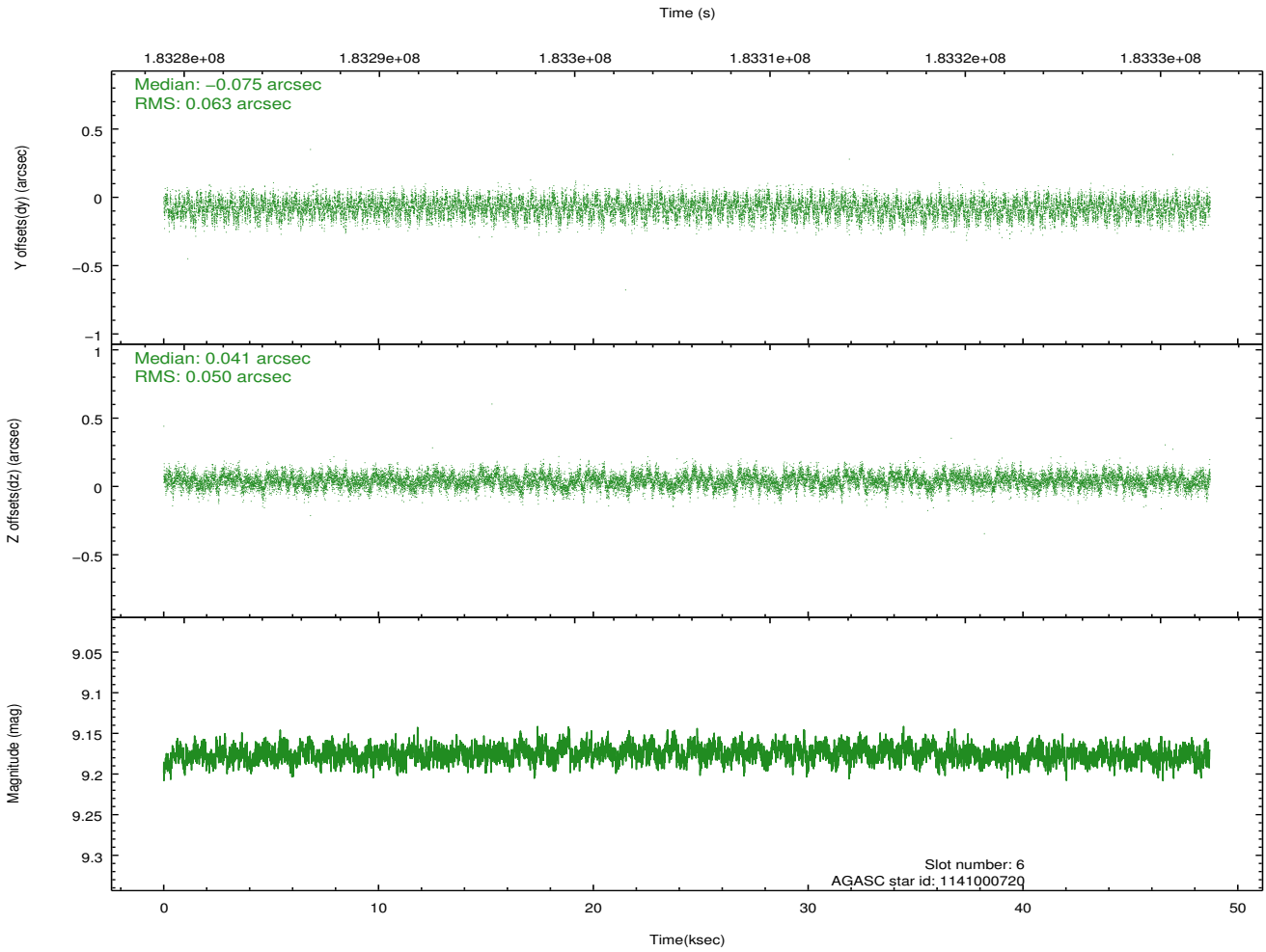
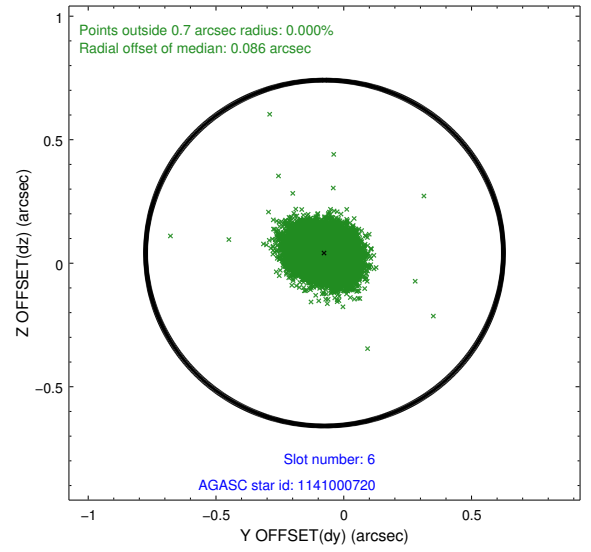
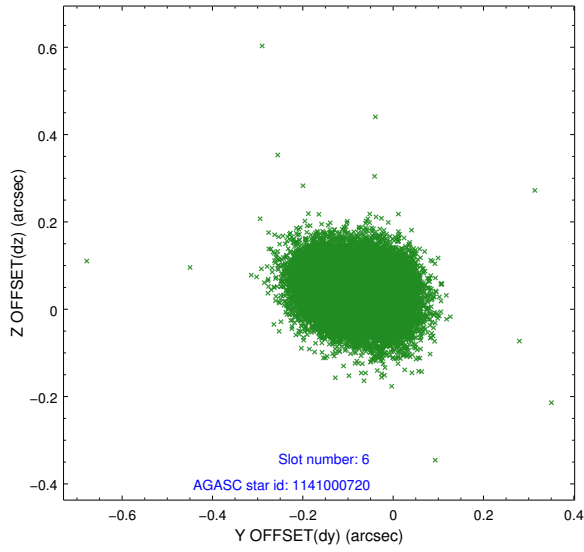
## 2.4.2 Slot 4



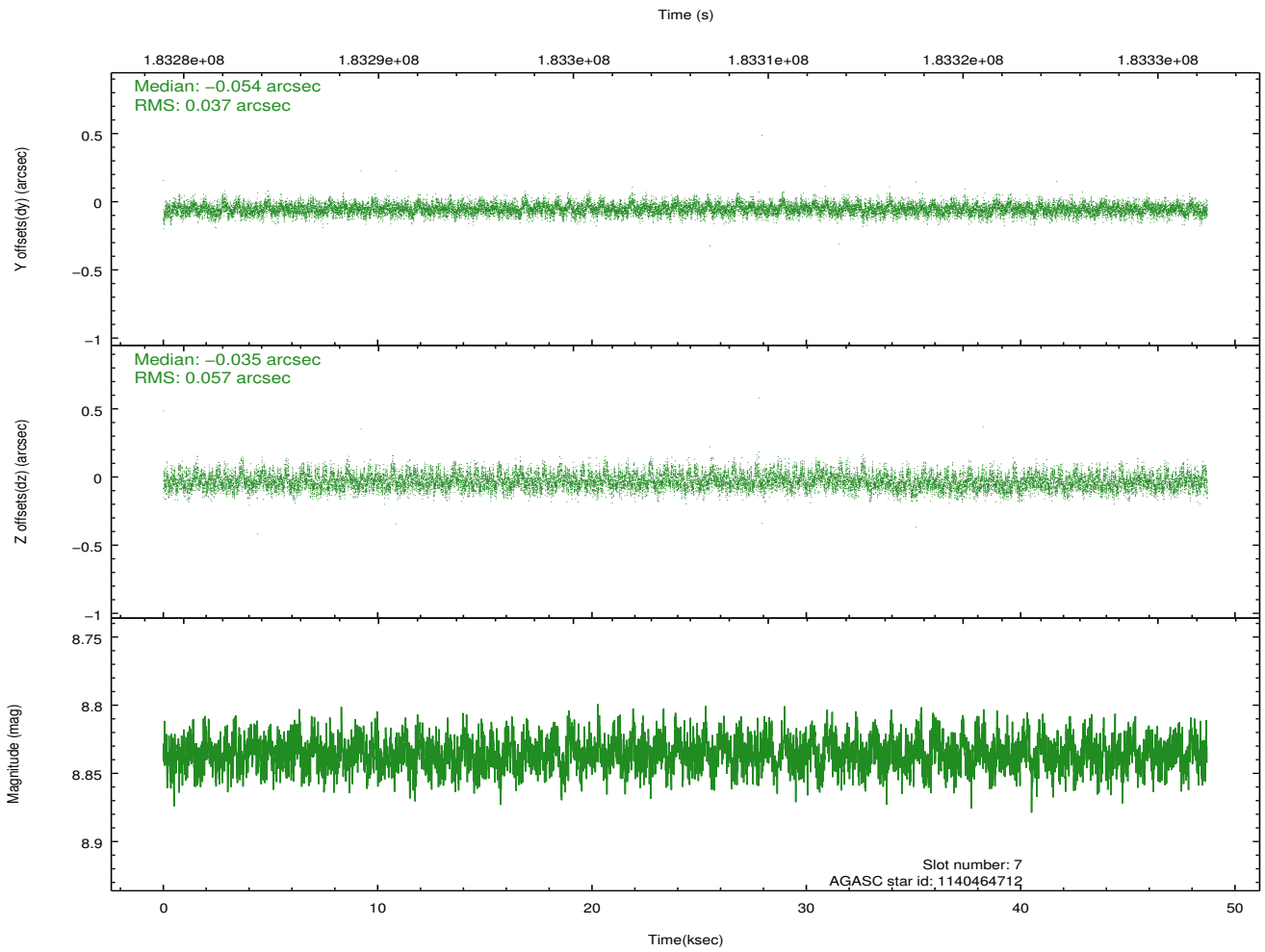
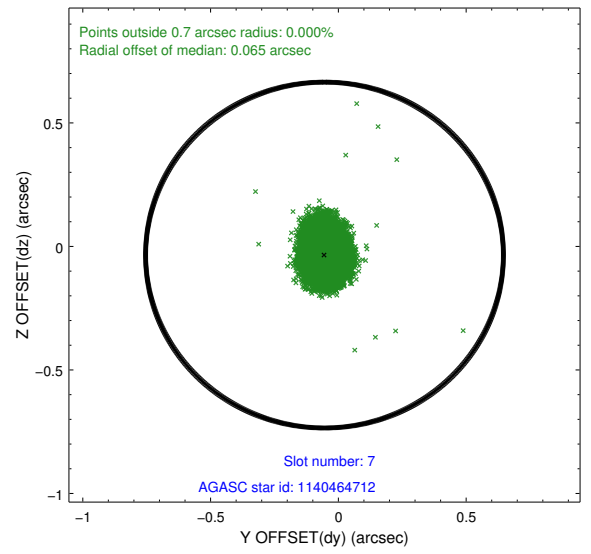
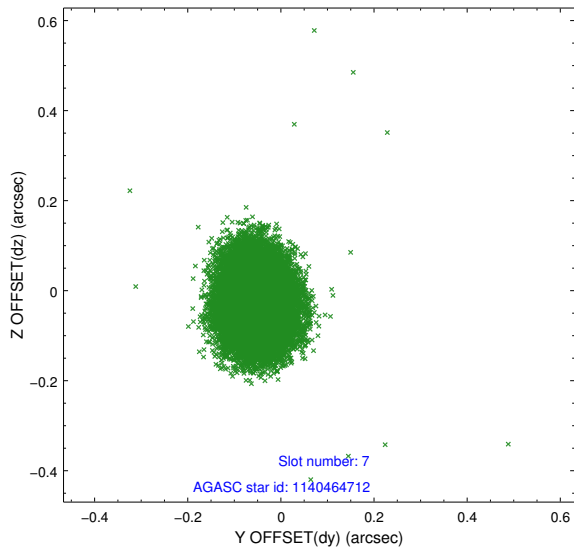
### 2.4.3 Slot 5



## 2.4.4 Slot 6

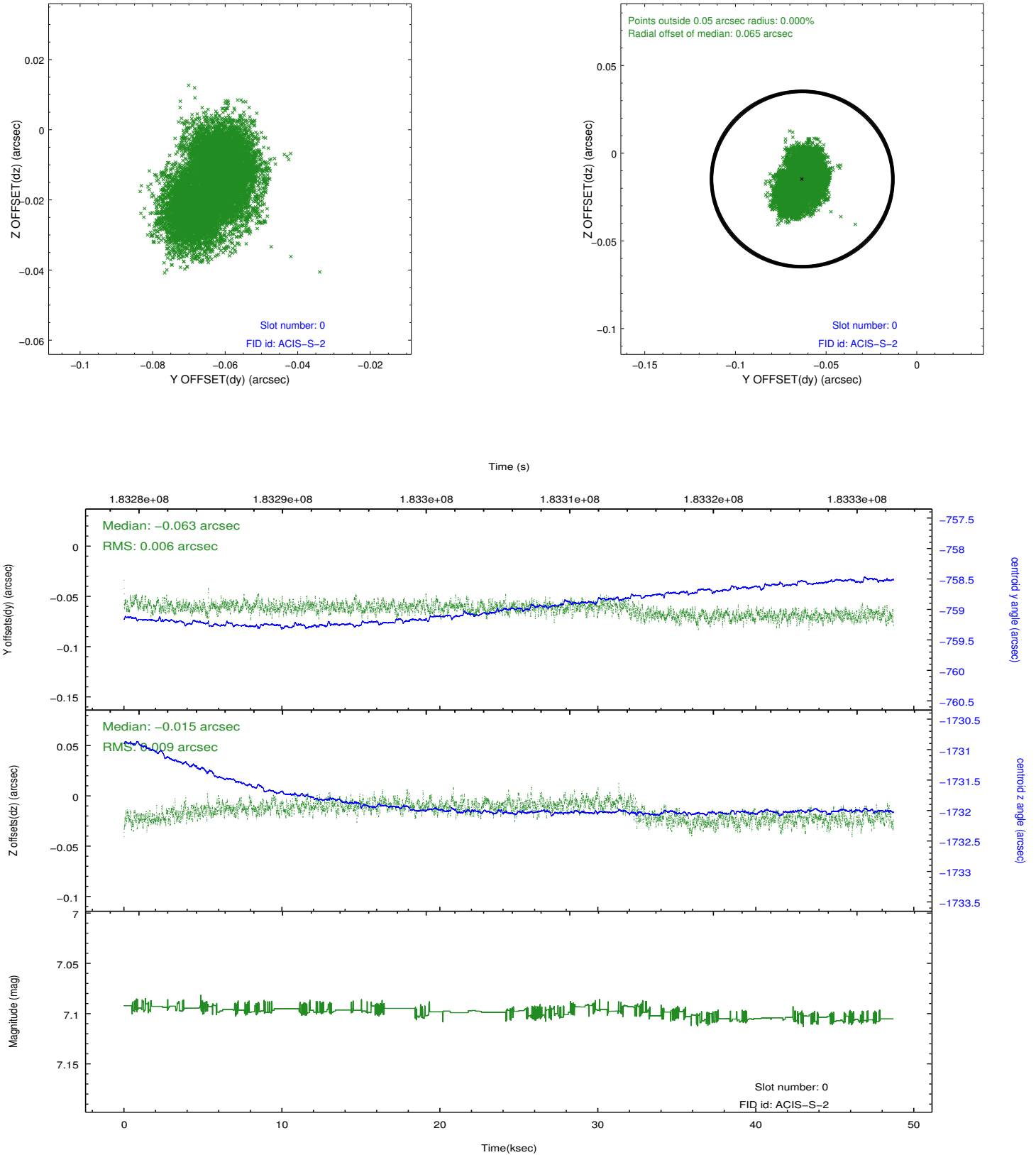


### 2.4.5 Slot 7

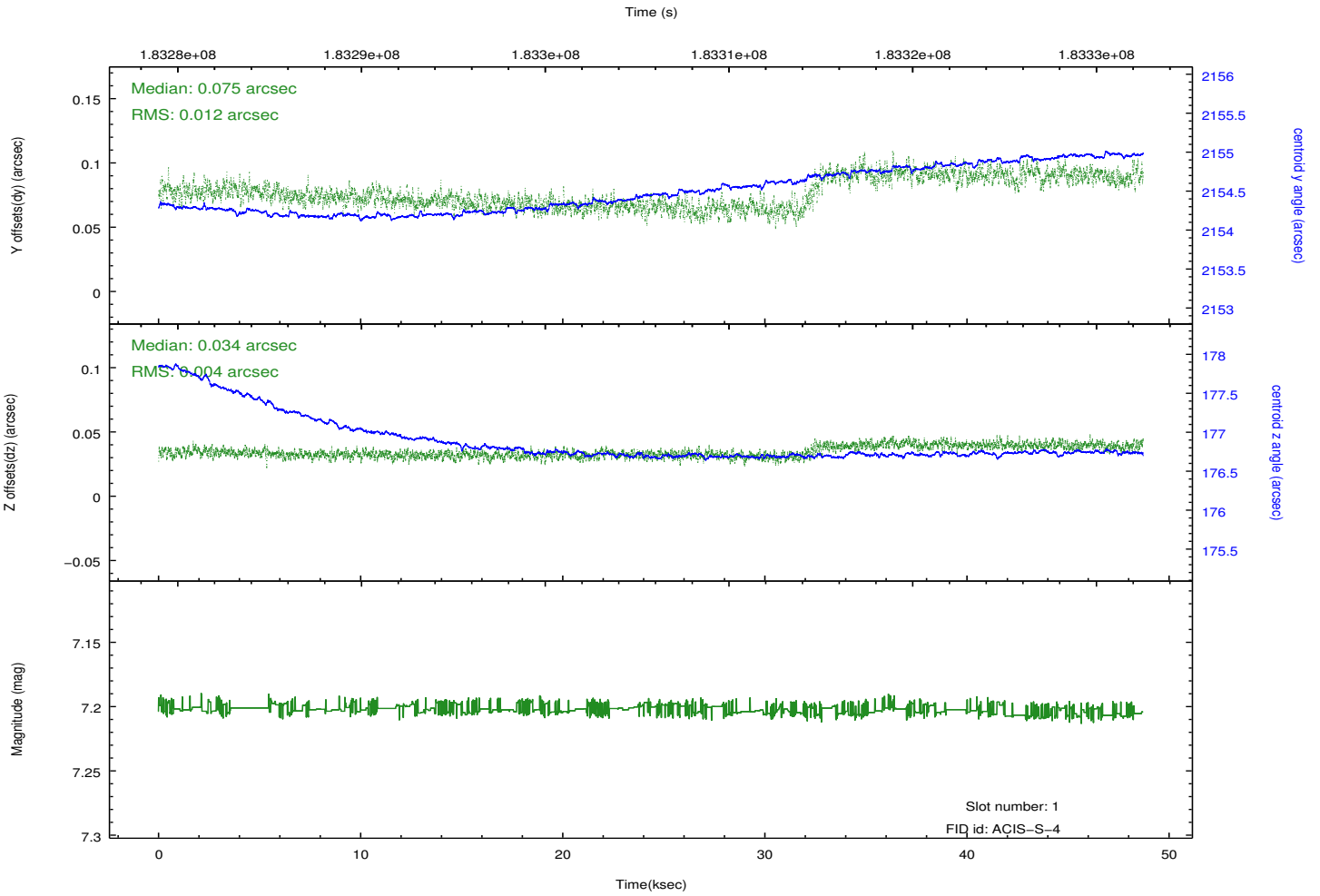
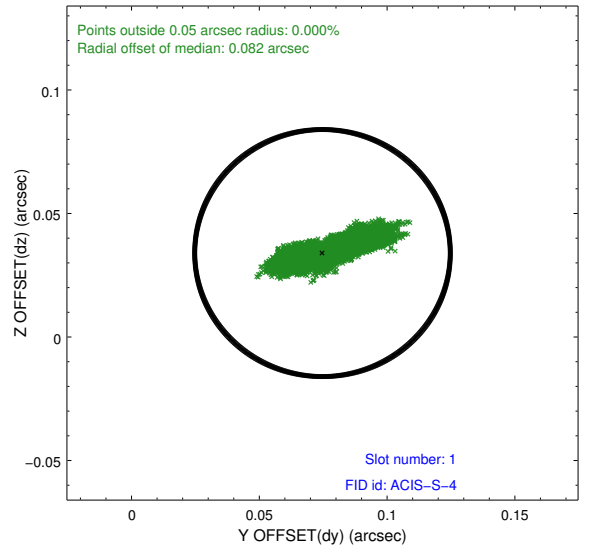
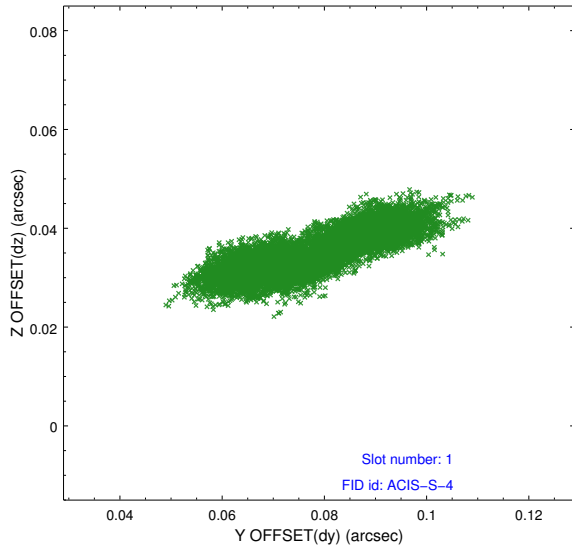


## 2.5 FID Slots

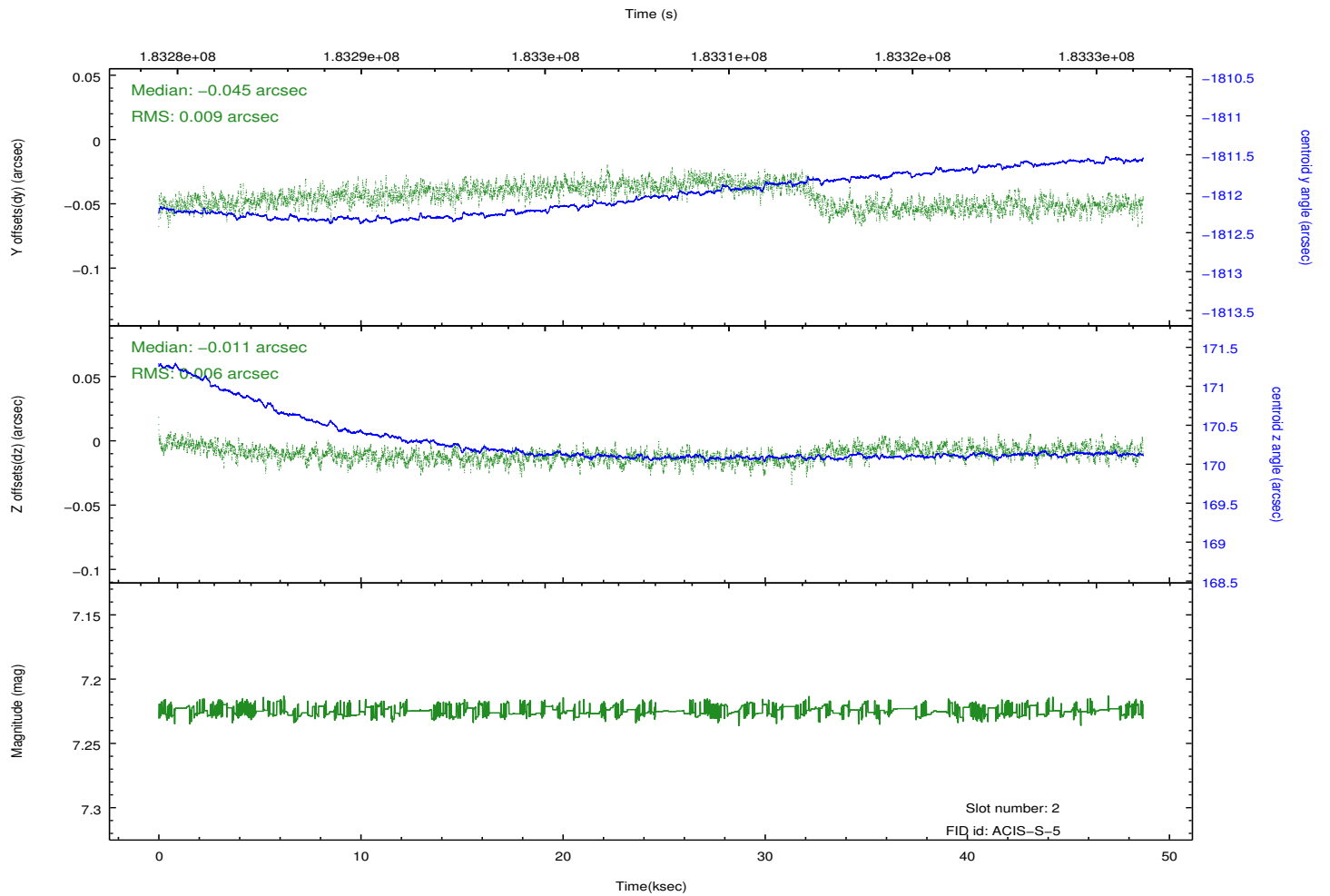
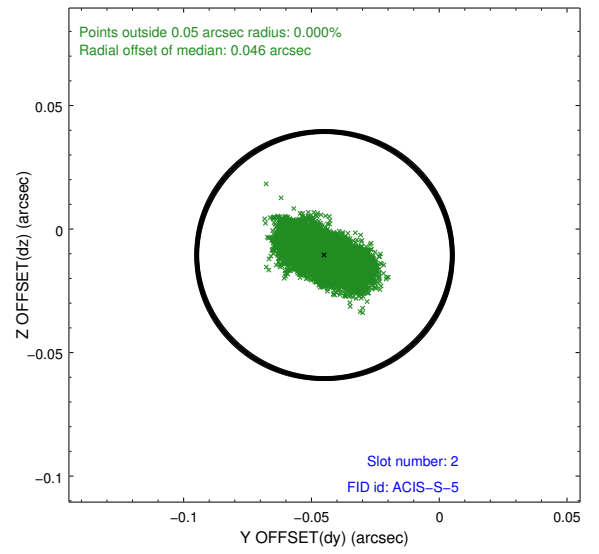
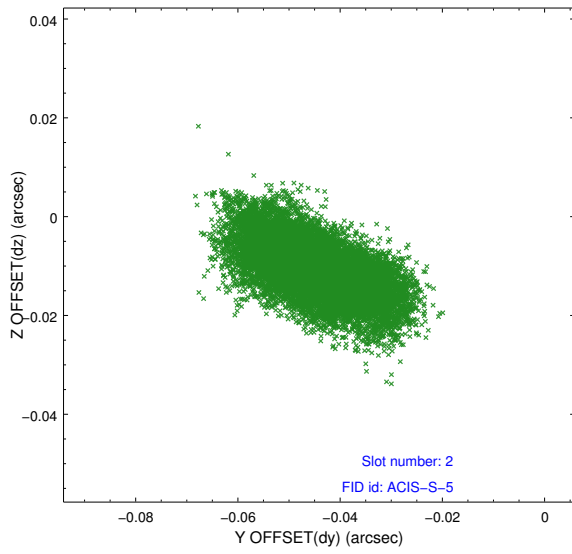
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.11.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	48.447

## A.2 Comments