

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 5932 - L2 Version 2  
Chandra X-Ray Center

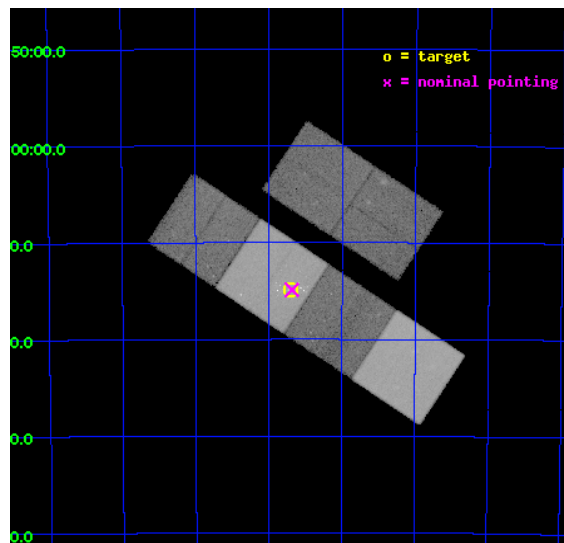
L2 Processing Date : Jun 28 2012

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# 1 Front

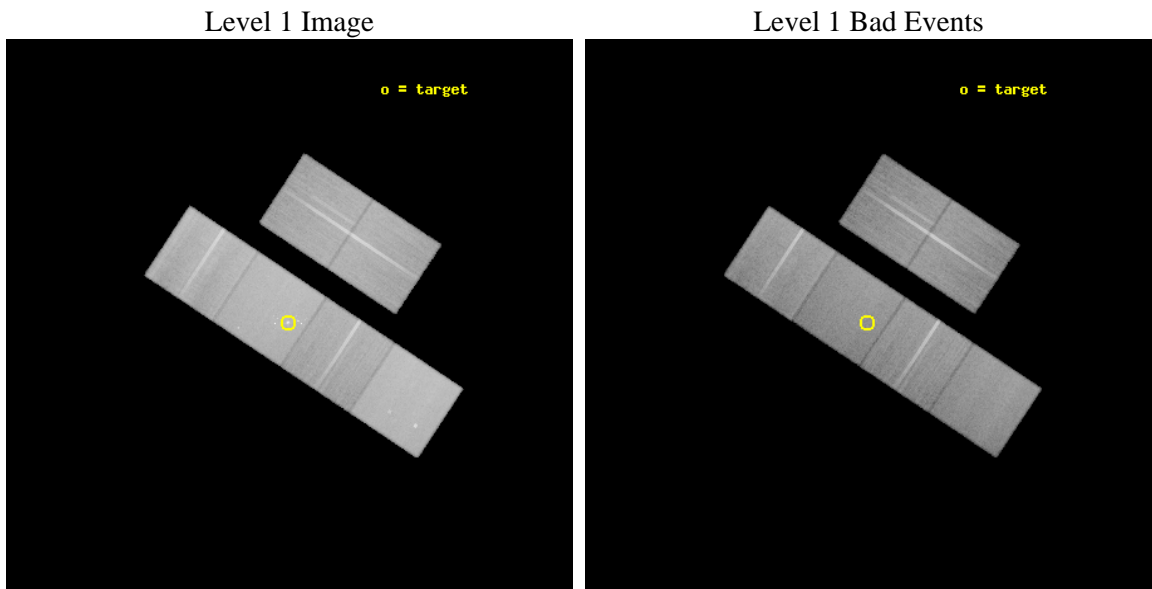
seq_num	600451	Sequence number
obs_id	5932	Observation id
title	PROBING THE LINK BETWEEN GALACTIC BARS & STARBURST/AGN ACTIVITY IN NGC1672/NGC7771	Proposal title
observer	Dr Leigh Jenkins	Principal investigator
object	ngc 1672	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	71.425417	Observer's specified target RA [deg]
dec_targ	-59.248889	Observer's specified target Dec [deg]
ra_nom	71.421575411266	Nominal RA [deg]
dec_nom	-59.24817913405	Nominal Dec [deg]
roll_nom	213.48020596072	Nominal Roll [deg]
revision	2	Processing version of data
ontime	40156.799850404	Sum of GTIs [s]
livetime	39648.310271177	Livetime [s]
ontime2	40156.799850404	Sum of GTIs [s]
ontime3	40153.558910012	Sum of GTIs [s]
ontime5	40156.799850404	Sum of GTIs [s]
ontime6	40156.799850404	Sum of GTIs [s]
ontime7	40156.799850404	Sum of GTIs [s]
ontime8	40153.558880091	Sum of GTIs [s]
l2events	594685	Number of level 2 events



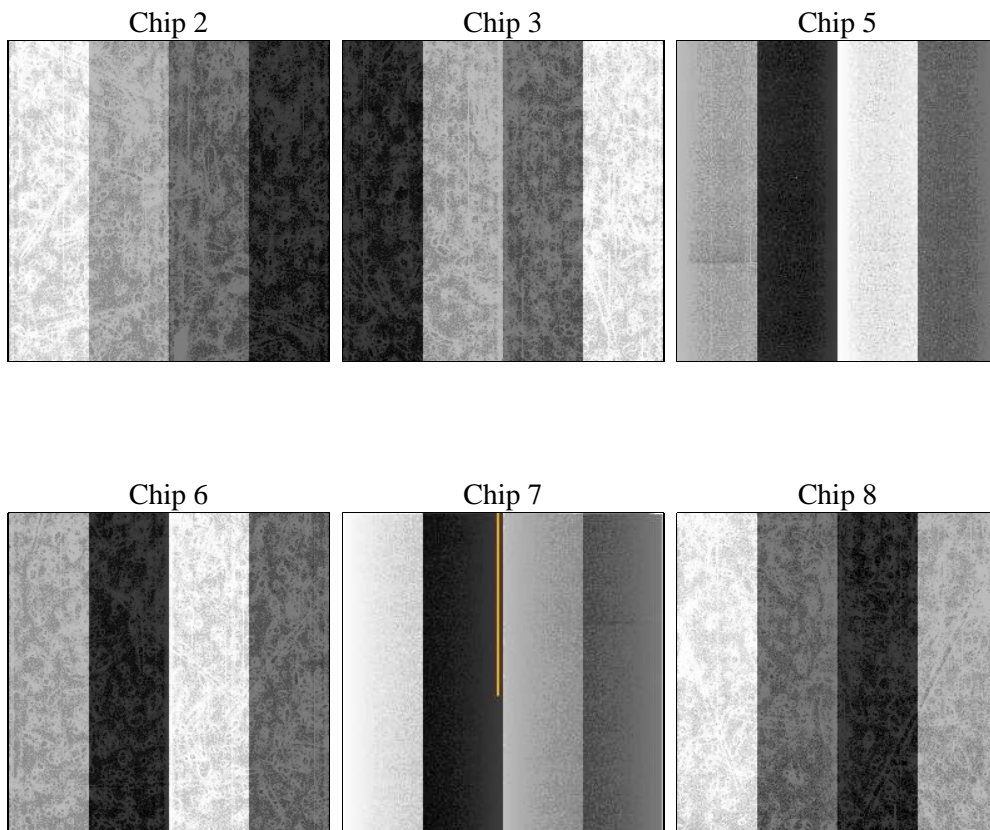
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	40156.799850404	Sum of GTIs [s]
caldbver	4.5.0	&#160	ontime2	40156.799850404	Sum of GTIs [s]
date	2012-06-28T14:27:02	Date and time of file creation	ontime3	40153.558910012	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	40156.799850404	Sum of GTIs [s]
			ontime6	40156.799850404	Sum of GTIs [s]
			ontime7	40156.799850404	Sum of GTIs [s]
			ontime8	40153.558880091	Sum of GTIs [s]
			l1events	2569007	Number of level 1 events

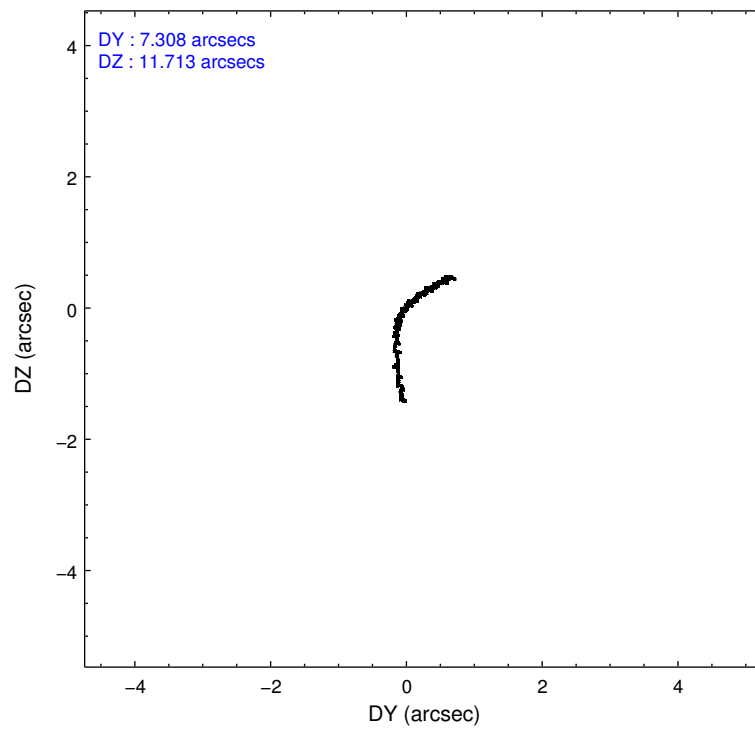
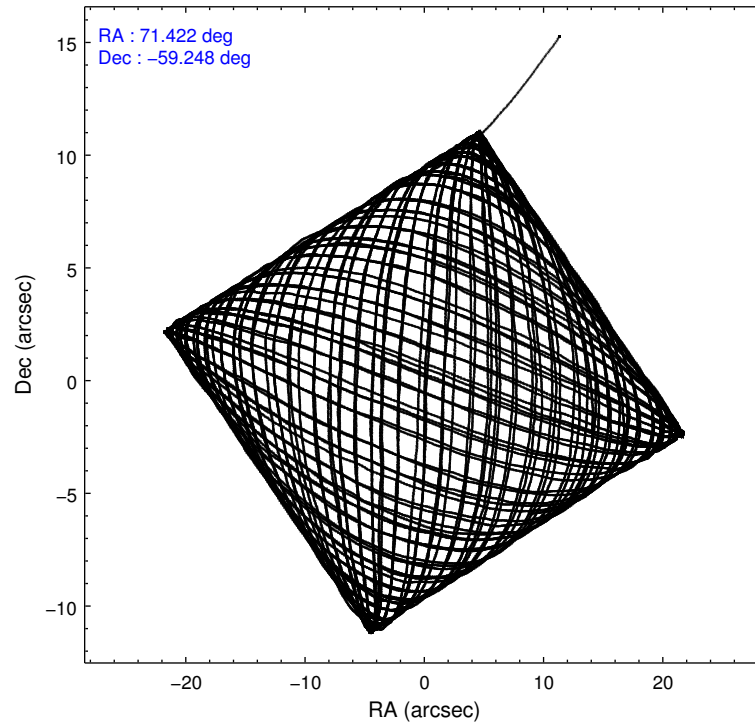
### 2.1.4 Events

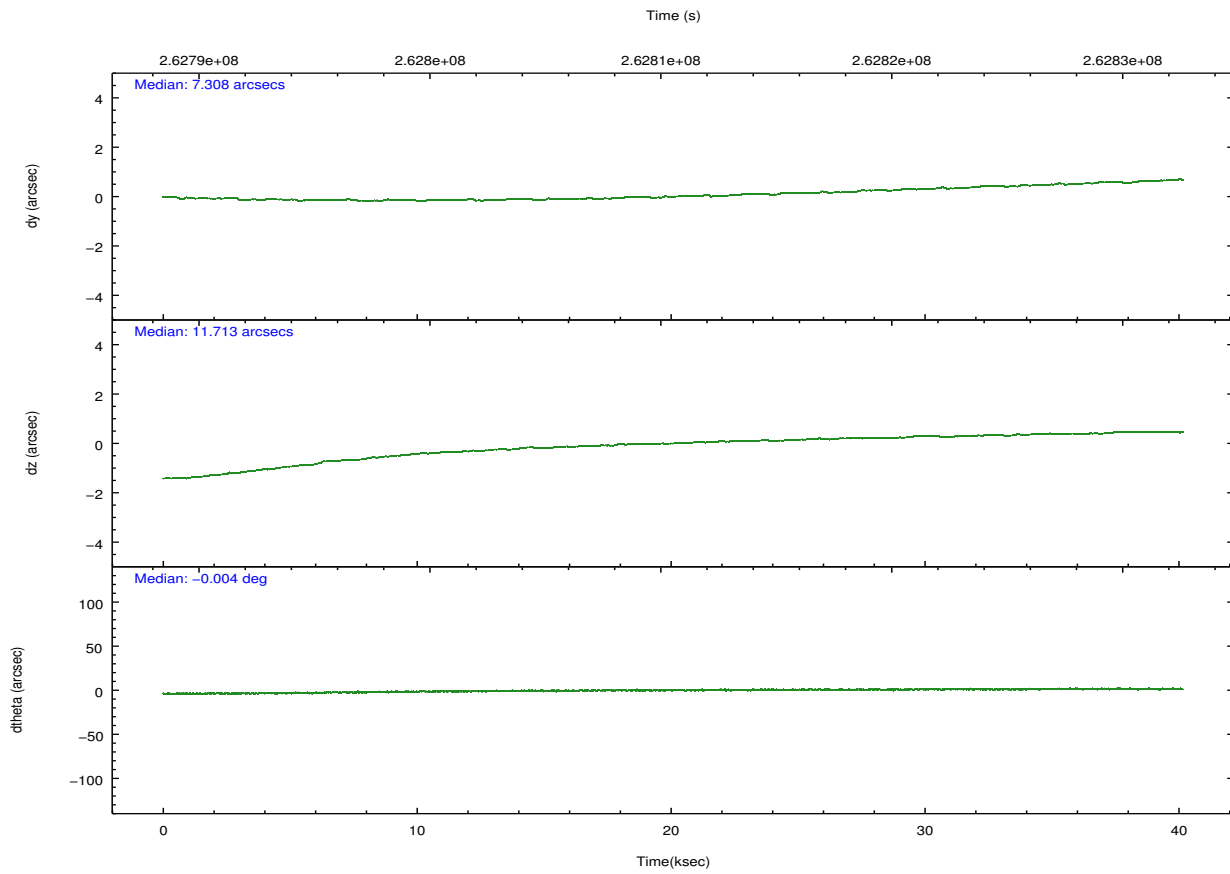
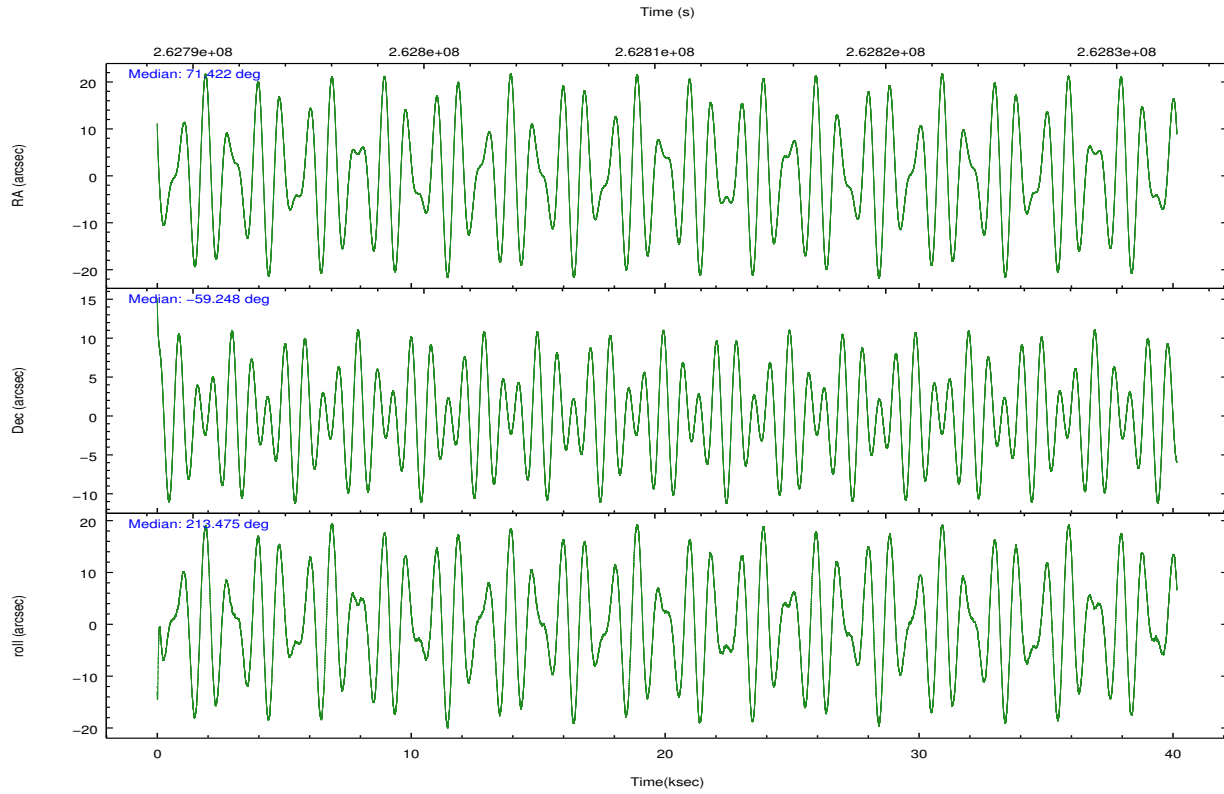
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	371411	353780	534669	358257	496842	454048	grade 0 events	19303	17933	17626	16372	20987	30994
rejected events	328514	312506	292454	316232	284130	354459		5%	5%	3%	4%	4%	6%
rejected %	88%	88%	54%	88%	57%	78%	grade 1 events	250	235	734	159	490	330
								0%	0%	0%	0%	0%	0%
							grade 2 events	8897	8019	74018	9018	43235	22152
								2%	2%	13%	2%	8%	4%
							grade 3 events	3837	3970	9613	4100	19036	10648
								1%	1%	1%	1%	3%	2%
							grade 4 events	3944	4042	9431	3970	18759	9658
								1%	1%	1%	1%	3%	2%
							grade 5 events	13750	15827	39611	16689	46732	21746
								3%	4%	7%	4%	9%	4%
							grade 6 events	6939	7337	131666	8590	110819	26180
								1%	2%	24%	2%	22%	5%
							grade 7 events	314491	296417	251970	299359	236784	332340
								84%	83%	47%	83%	47%	73%

## 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	71.444700	71.42157541126603	Subarray requested	NONE	NONE
[deg] Pointing Dec	-59.223635	-59.24817913405038	Alternating exposures requested	N	N
[deg] Pointing Roll	213.343463	213.4802059607248	[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)	262790604.184000	262789531.99603			
Observation start date	2006-04-30T13:22:19	2006-04-30T13:05:31			
[s] Observation end time (MET)	262830604.184000	262831634.89799			
Observation end date	2006-05-01T00:28:59	2006-05-01T00:47:14			
Read mode	TIMED	TIMED			

## 2.3 Aspect



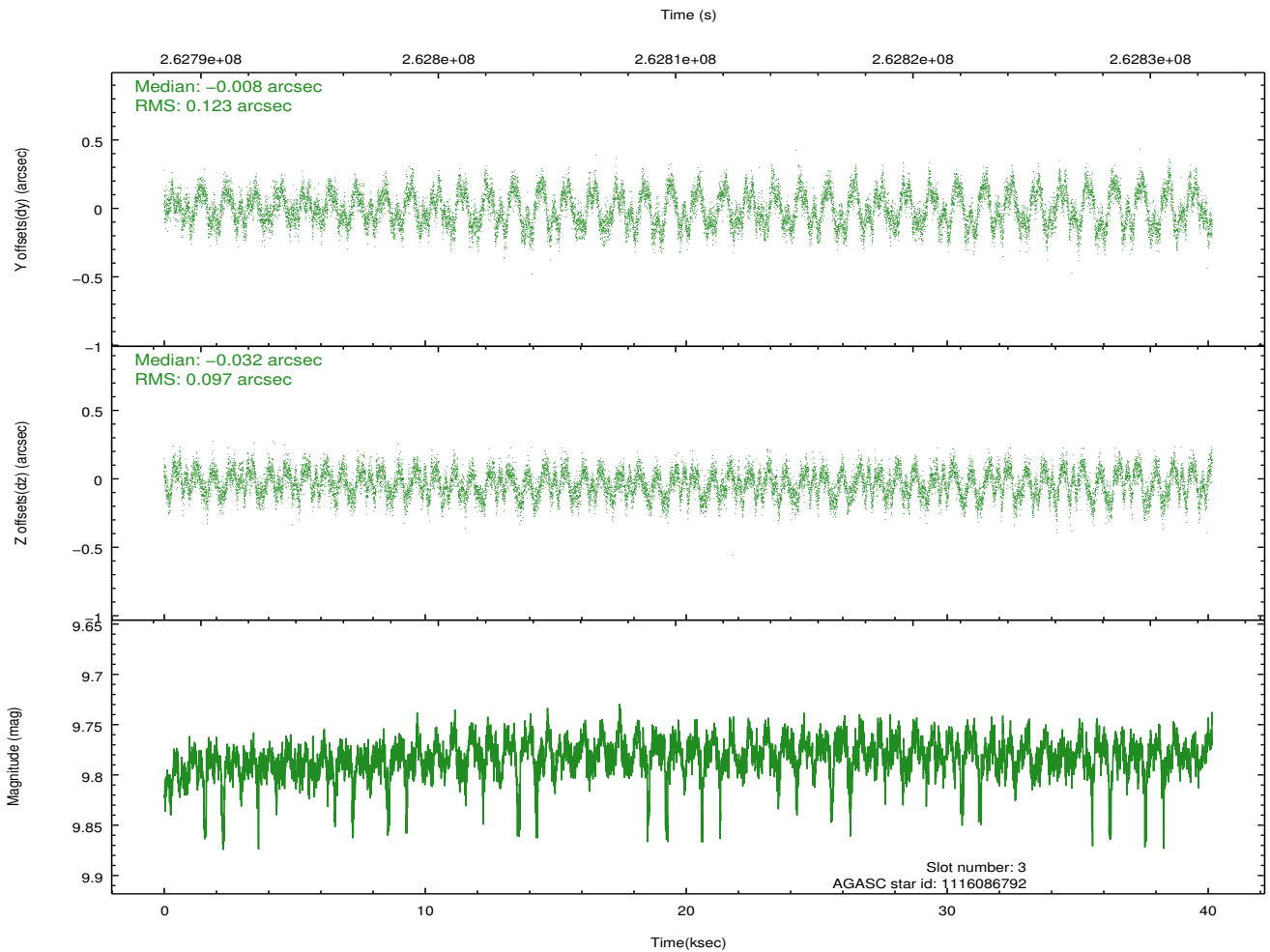
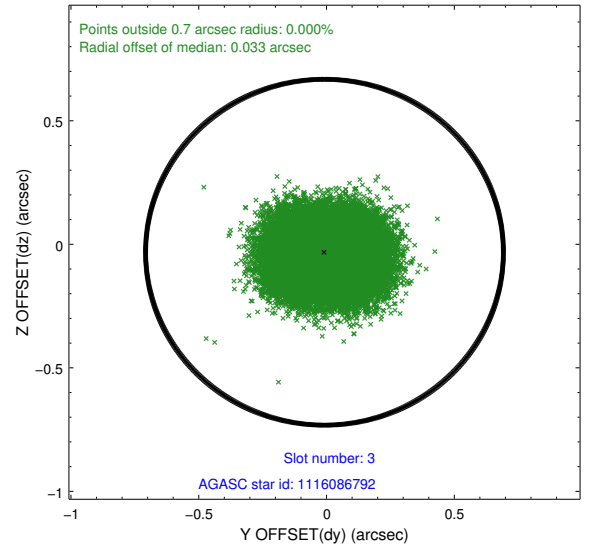
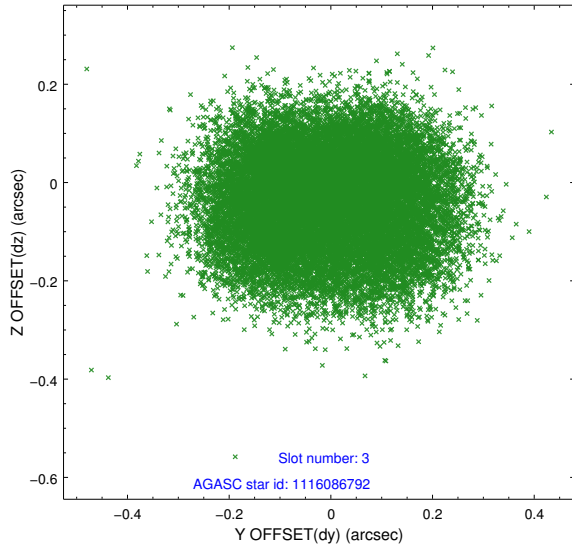


### Slot Statistics

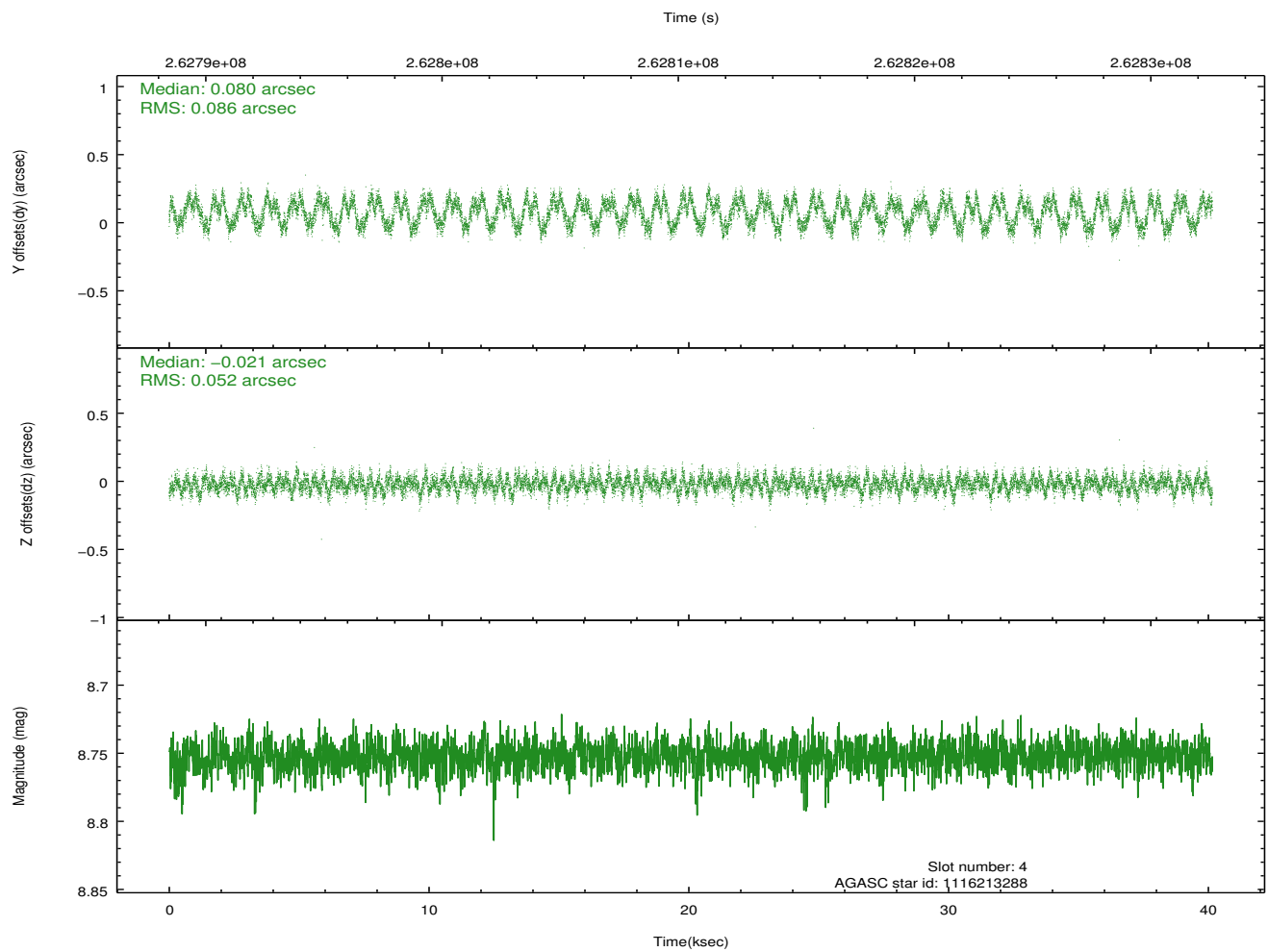
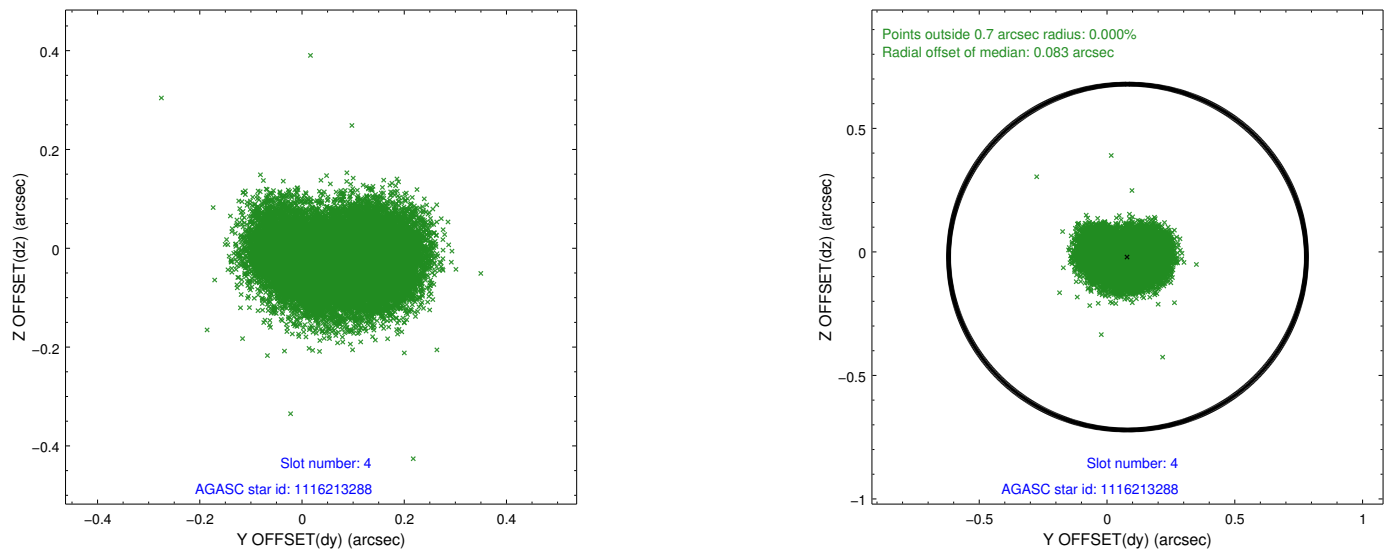
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9796	-0.030	-0.022	0.019	0.029	0.000000	0.000000	-760.20	-1732.88
1	FID	ACIS-S-4	7.20	9794	0.089	0.020	0.011	0.022	0.000000	0.000000	2153.18	175.65
2	FID	ACIS-S-5	7.23	9796	-0.084	0.010	0.019	0.032	0.000000	0.000000	-1813.09	169.30
3	GUIDE	1116086792	9.78	19559	-0.008	-0.032	0.172	0.253	70.882227	-59.686600	1771.80	834.31
4	GUIDE	1116213288	8.75	19578	0.080	-0.021	0.110	0.165	71.629957	-59.225093	-281.42	192.39
5	GUIDE	1116220824	6.68	19590	-0.066	-0.170	0.080	0.126	71.778596	-59.137085	-685.24	79.82
6	GUIDE	1116092848	7.60	19589	0.157	0.037	0.085	0.150	69.725330	-58.980566	2206.77	-2449.55
7	GUIDE	1116082824	9.80	19574	-0.159	0.188	0.133	0.216	71.078390	-58.551399	-753.76	-2398.16

## 2.4 Star Slots

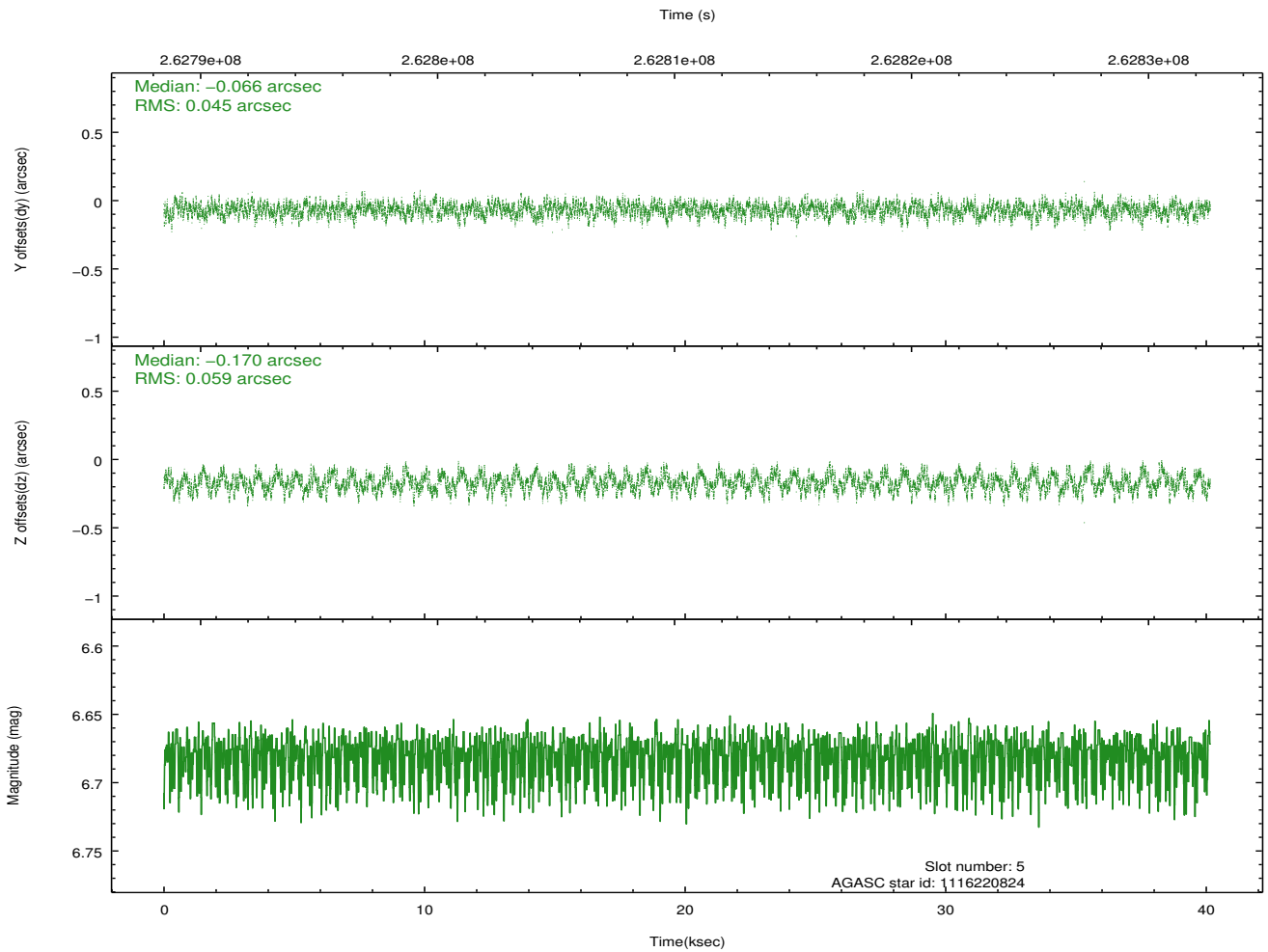
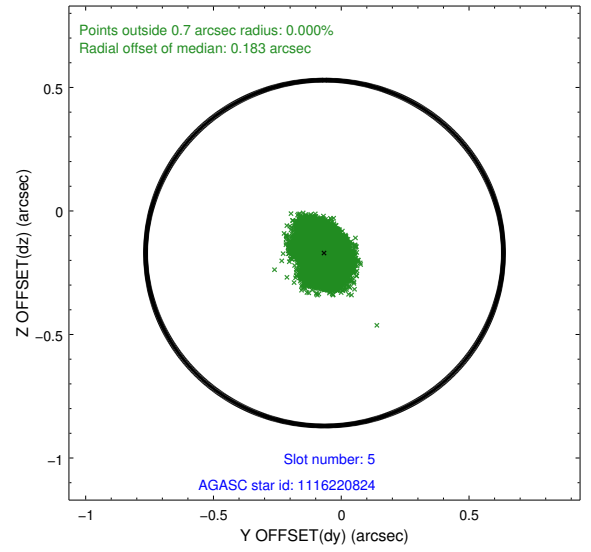
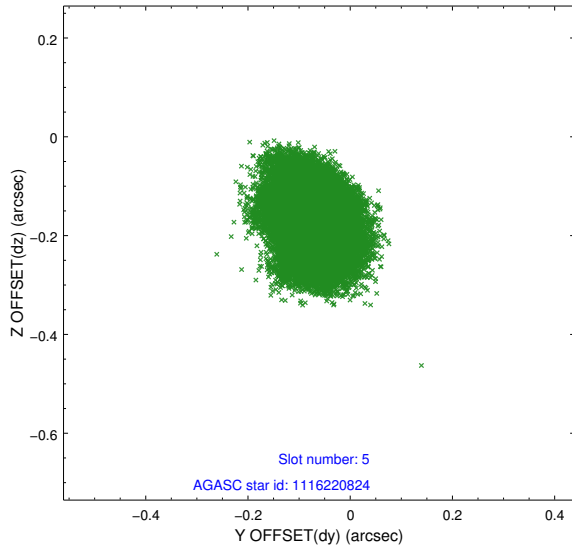
### 2.4.1 Slot 3



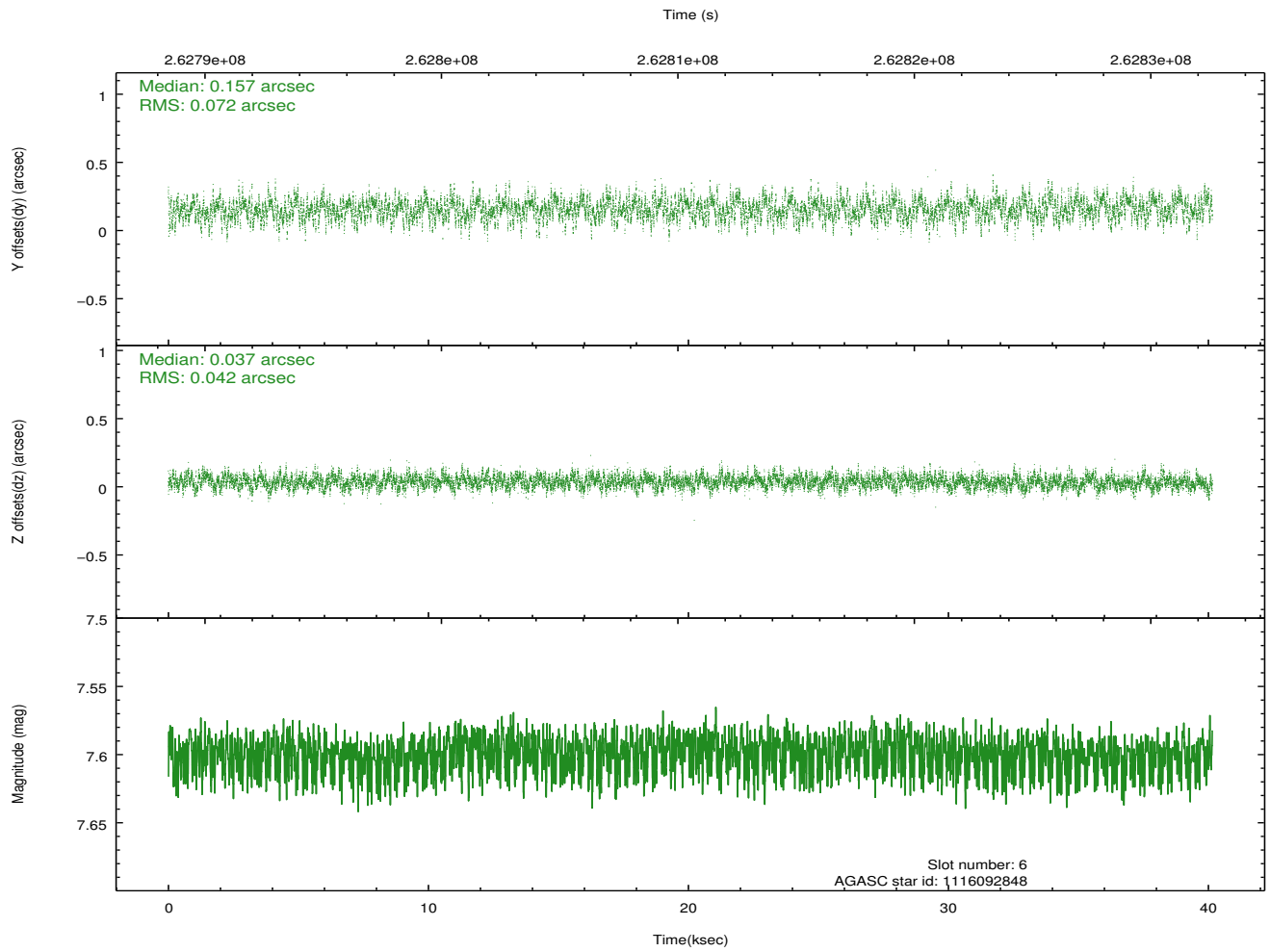
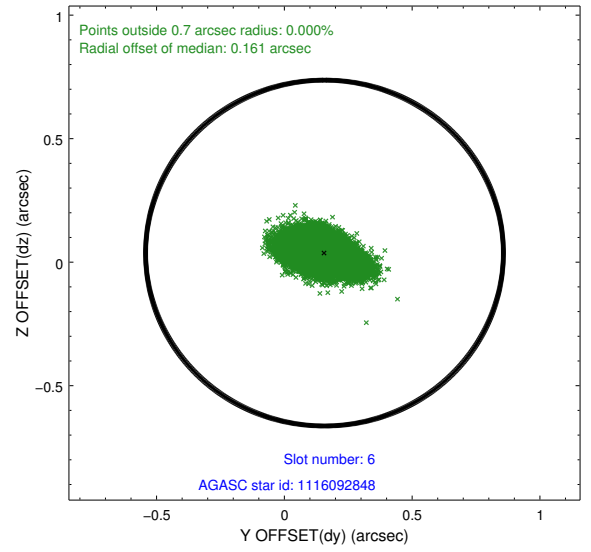
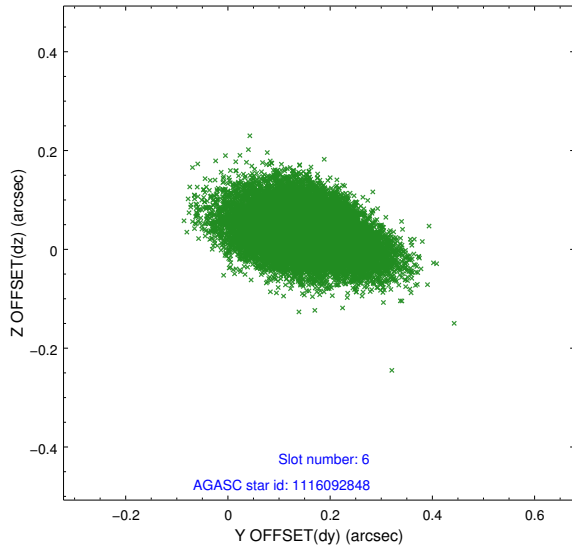
## 2.4.2 Slot 4



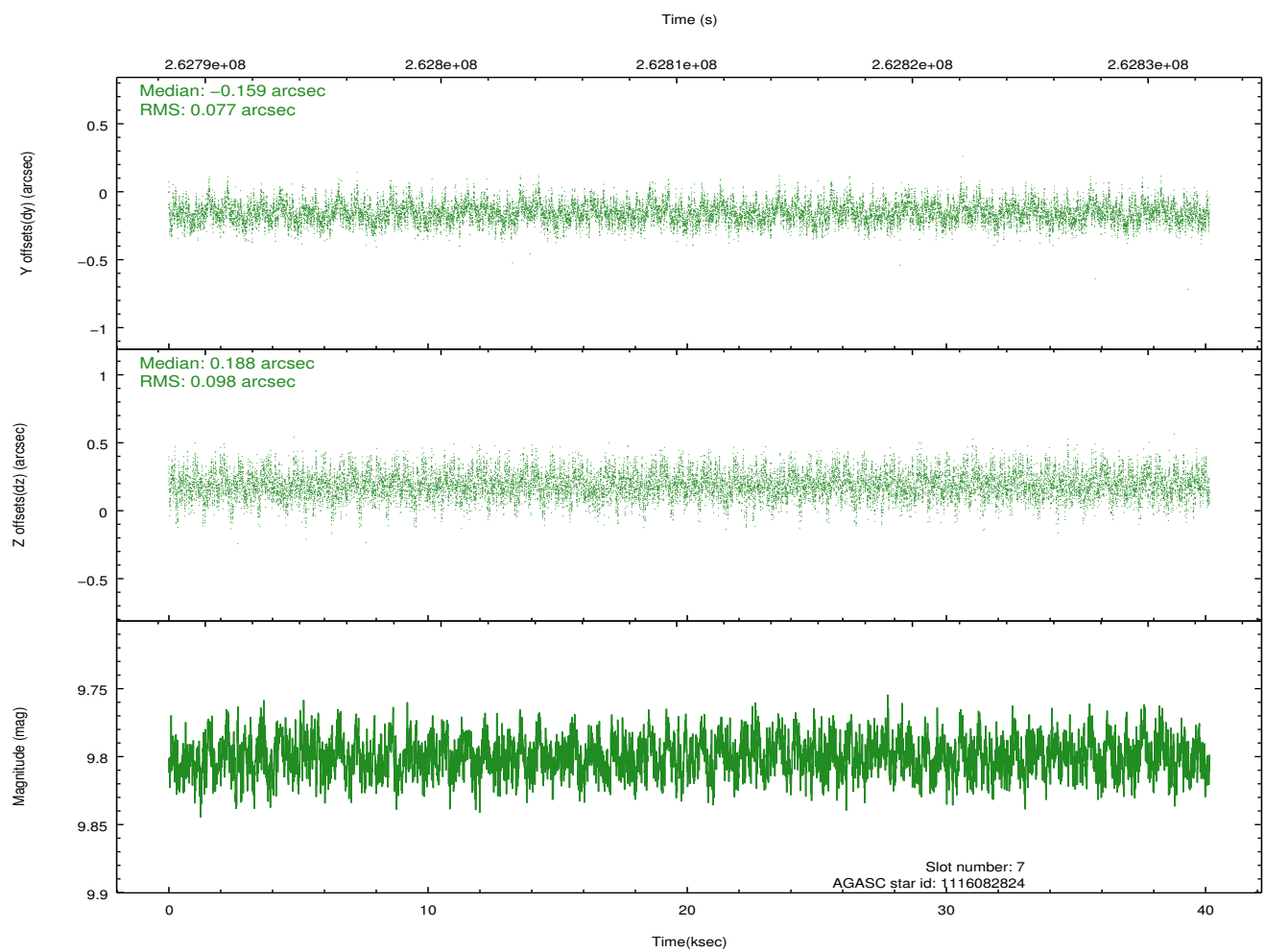
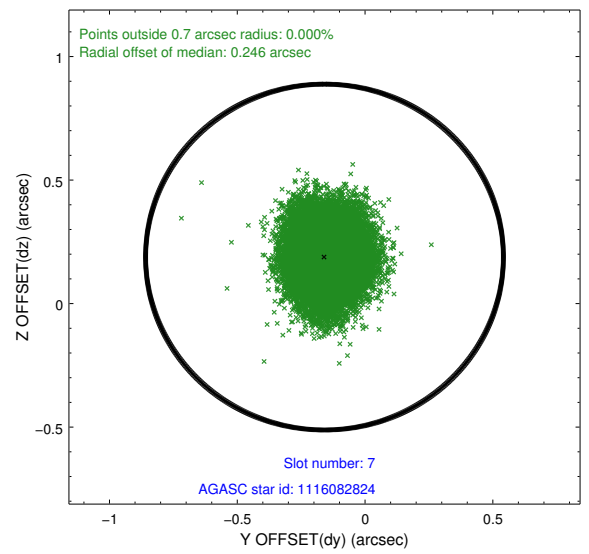
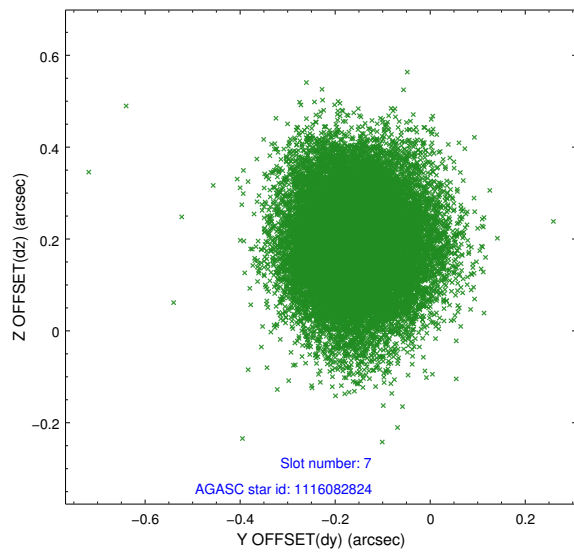
### 2.4.3 Slot 5



### 2.4.4 Slot 6

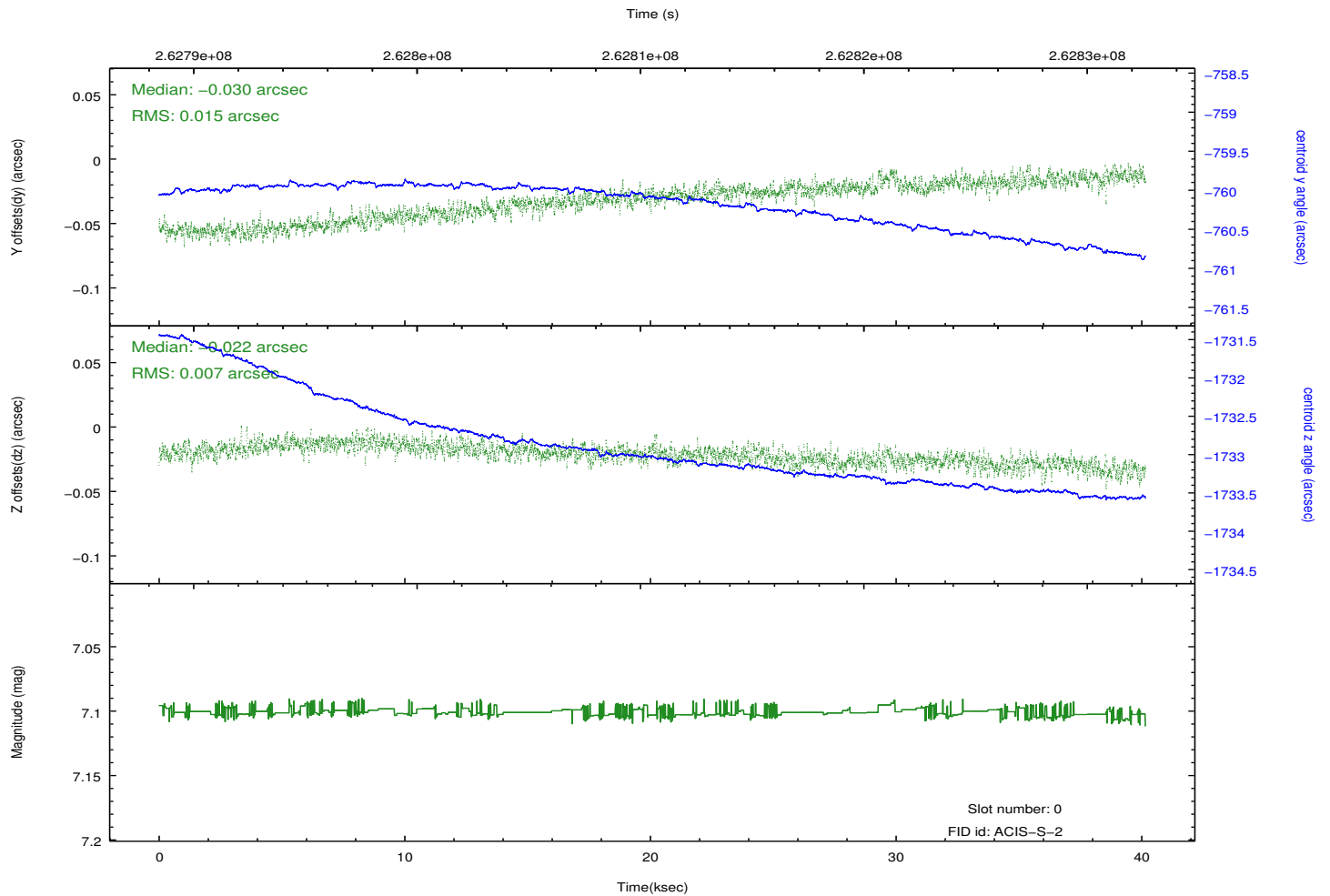
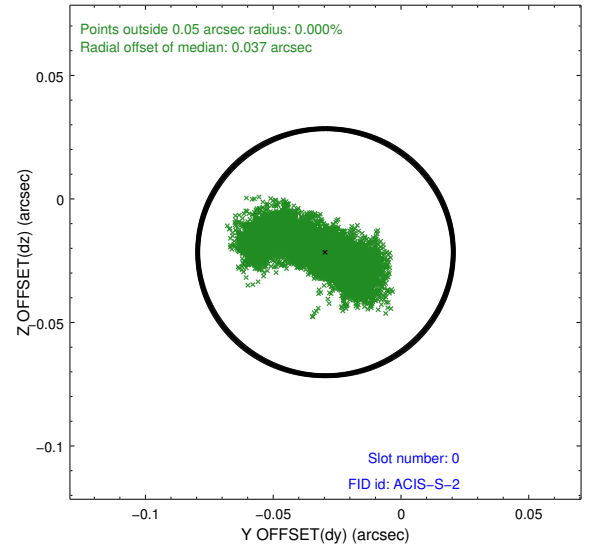
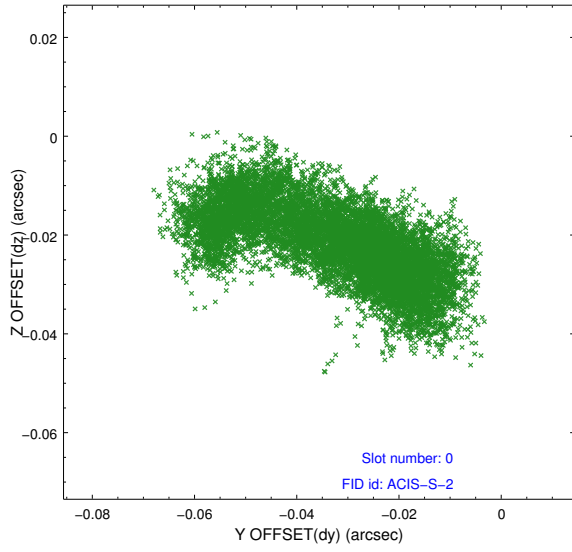


## 2.4.5 Slot 7

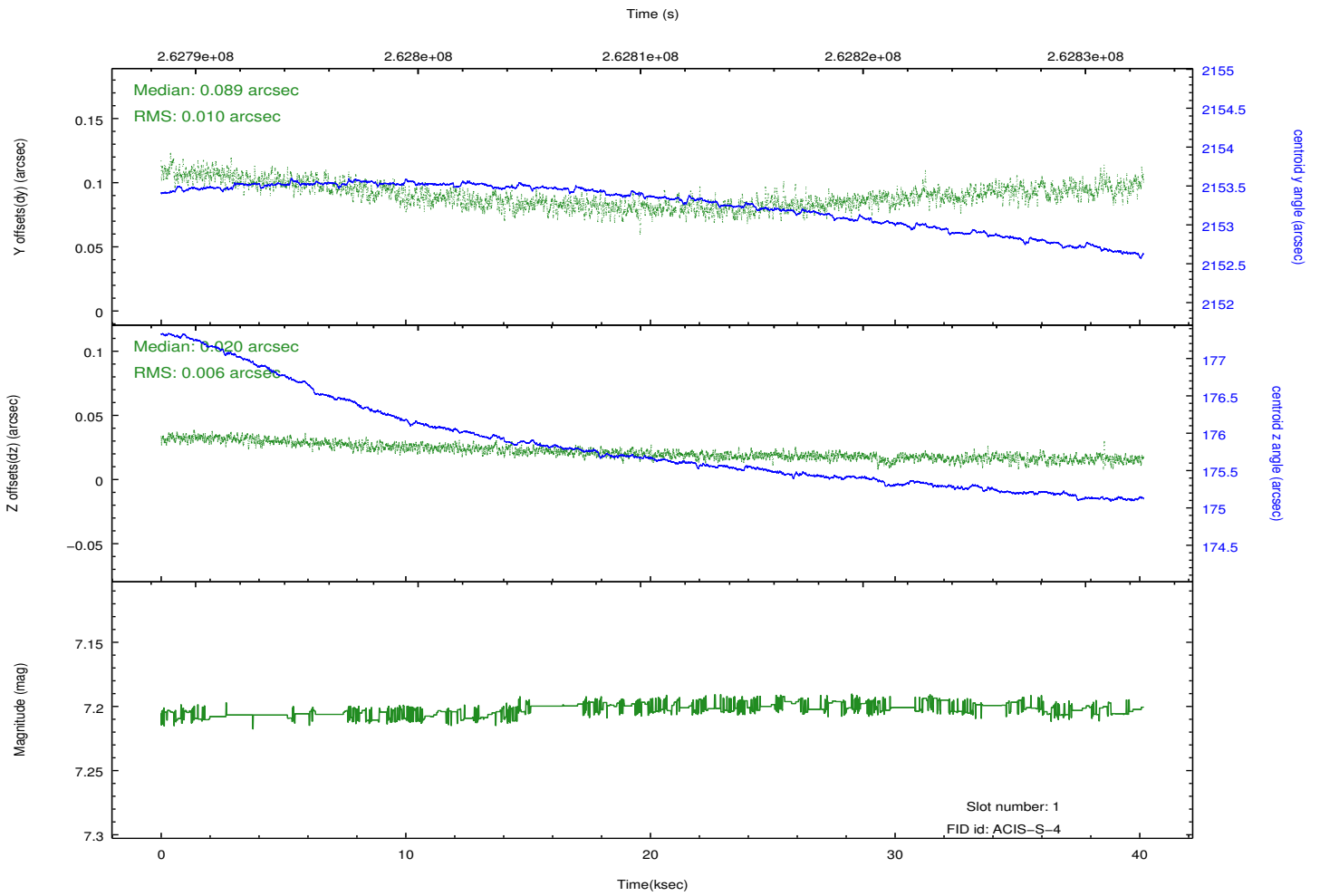
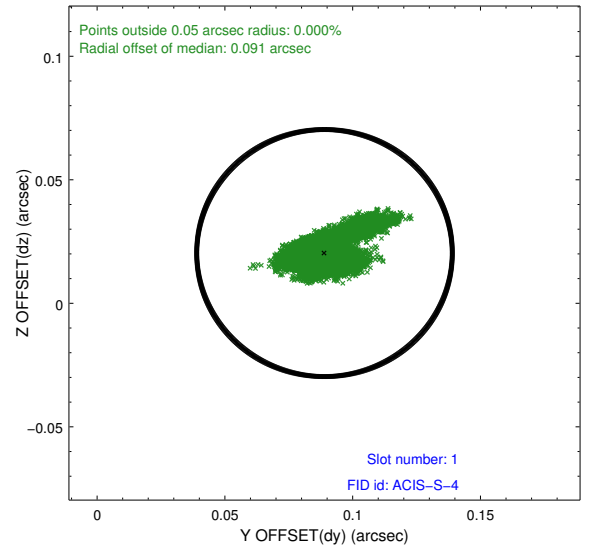
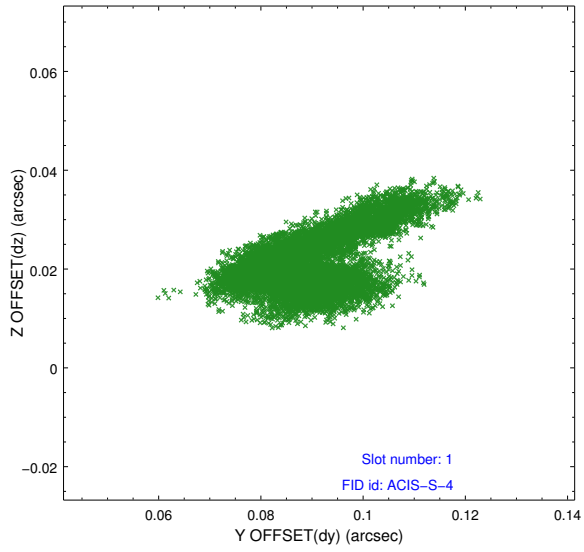


## 2.5 FID Slots

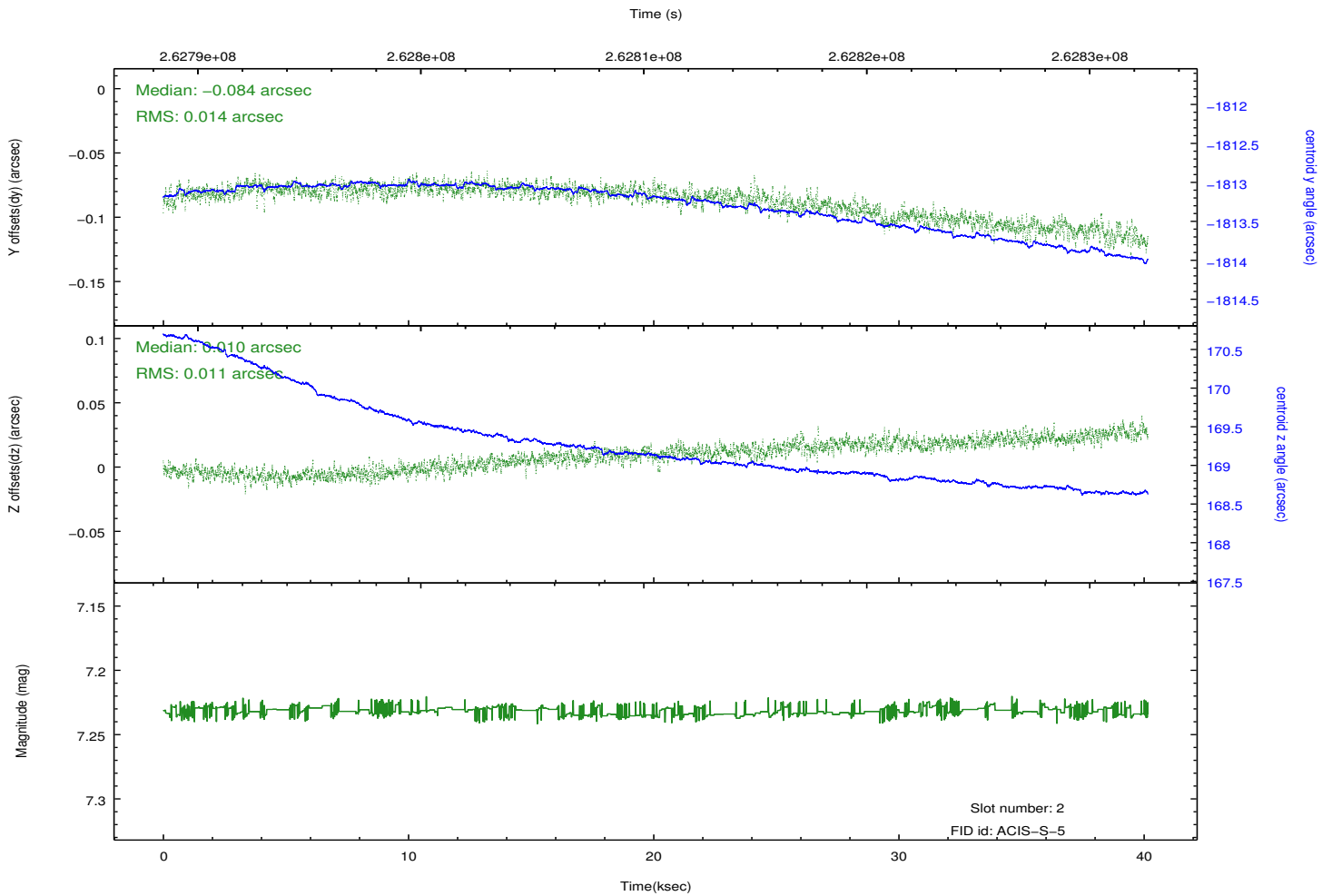
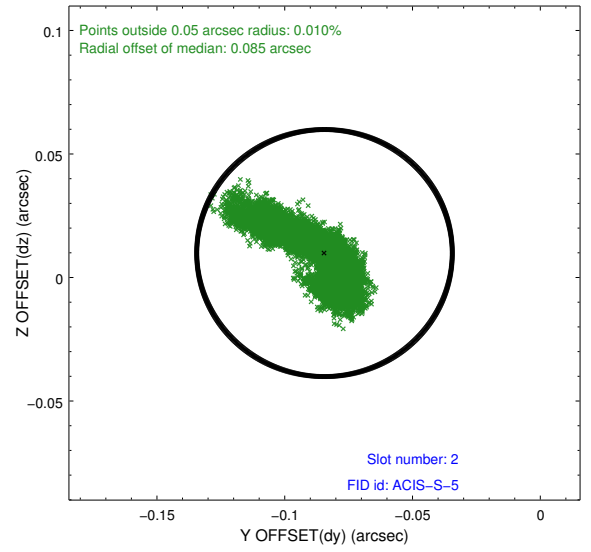
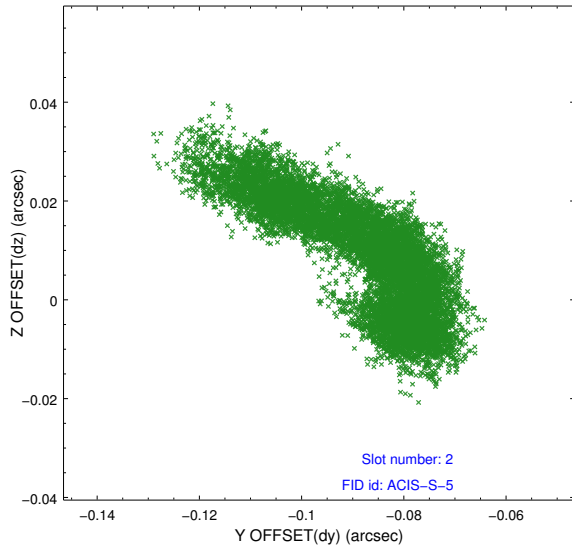
### 2.5.1 Slot 0



## 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)	2012.07.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.1567998

## A.2 Comments

Joint Proposal: HST