

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 7271 - L2 Version 2  
Chandra X-Ray Center

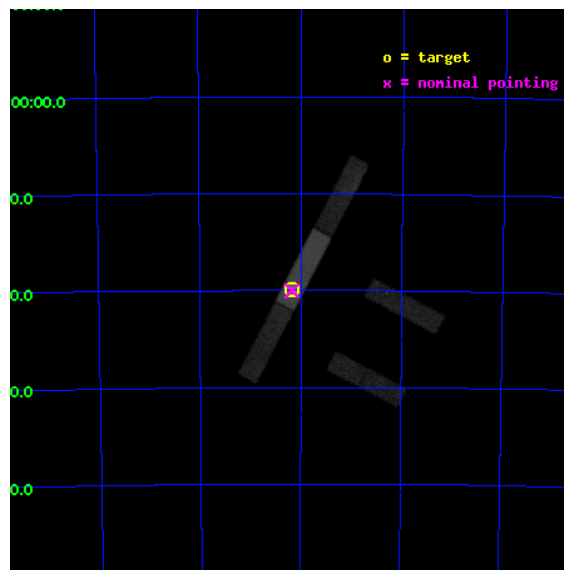
L2 Processing Date : Mar 25 2012

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# 1 Front

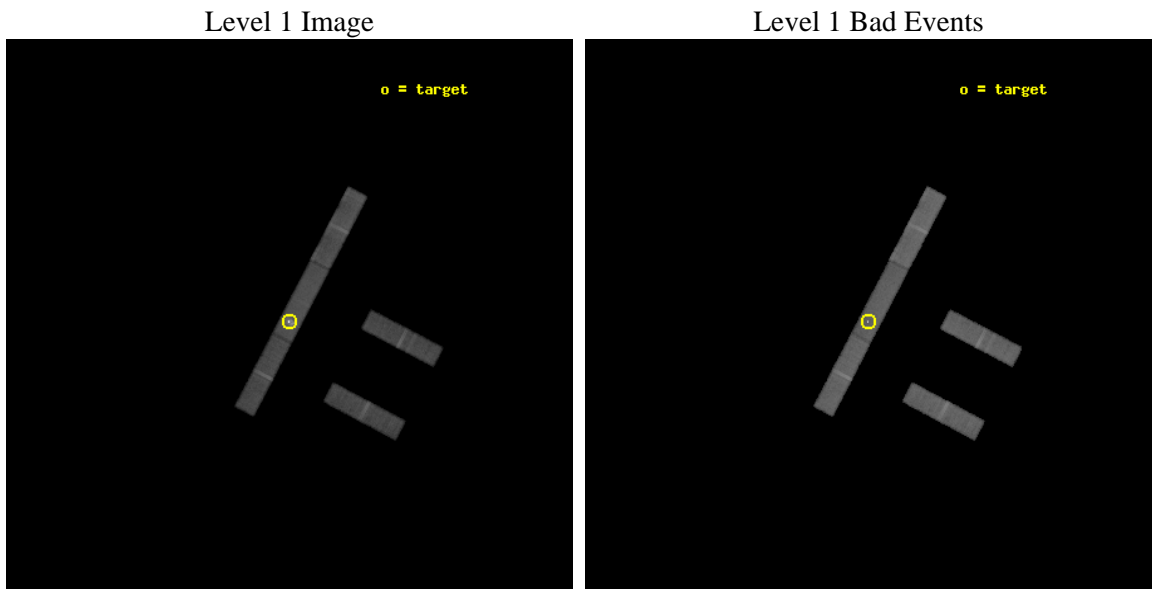
seq_num	500538	Sequence number
obs_id	7271	Observation id
title	A Deep Chandra Observation of O-Rich SNR 0540-69.3 in the LMC	Prop
observer	DR. Sangwook Park	Principal investigator
object	SNR 0540-69.3	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	85.046667	Observer's specified target RA [deg]
dec_targ	-69.331972	Observer's specified target Dec [deg]
ra_nom	85.044080892844	Nominal RA [deg]
dec_nom	-69.333857792393	Nominal Dec [deg]
roll_nom	297.65420290498	Nominal Roll [deg]
revision	2	Processing version of data
ontime	38564.0	Sum of GTIs [s]
livetime	37043.725505264	Livetime [s]
ontime2	38562.958979875	Sum of GTIs [s]
ontime3	38564.0	Sum of GTIs [s]
ontime6	38564.0	Sum of GTIs [s]
ontime7	38564.0	Sum of GTIs [s]
ontime8	38562.958979905	Sum of GTIs [s]
l2events	200381	Number of level 2 events



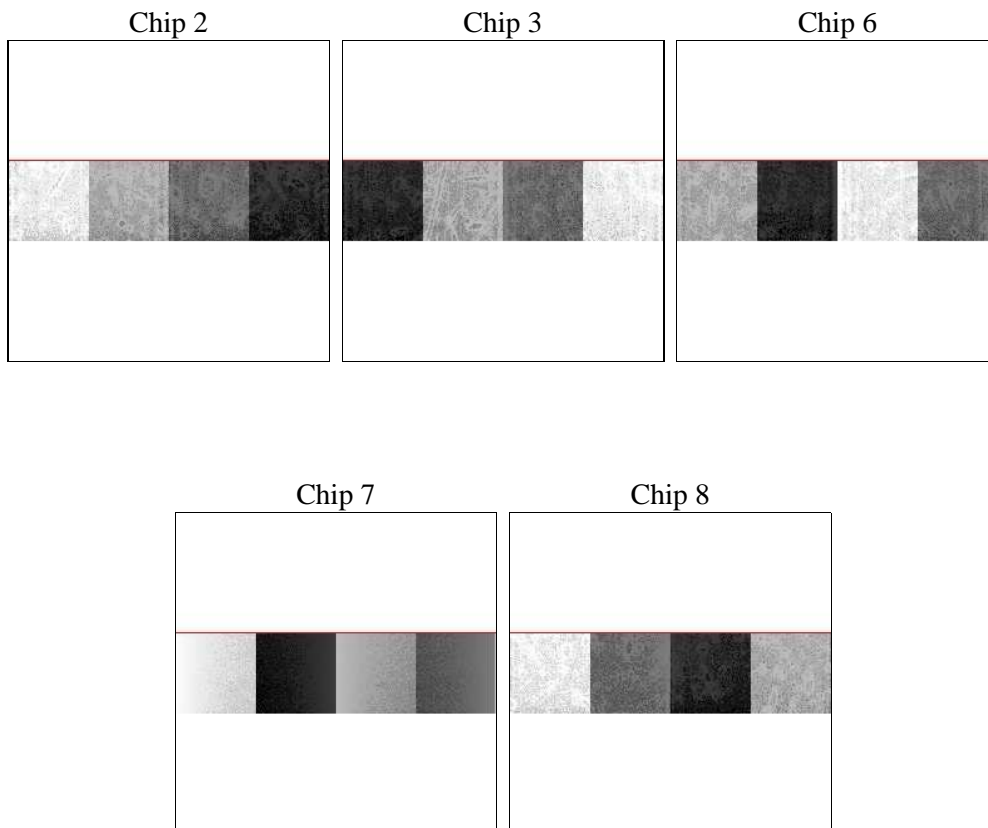
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	38400.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	38564.0	Sum of GTIs [s]
caldbver	4.4.8	&#160	ontime2	38562.958979875	Sum of GTIs [s]
date	2012-03-25T17:31:38	Date and time of file creation	ontime3	38564.0	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	38564.0	Sum of GTIs [s]
			ontime7	38564.0	Sum of GTIs [s]
			ontime8	38562.958979905	Sum of GTIs [s]
			l1events	696285	Number of level 1 events

### 2.1.4 Events

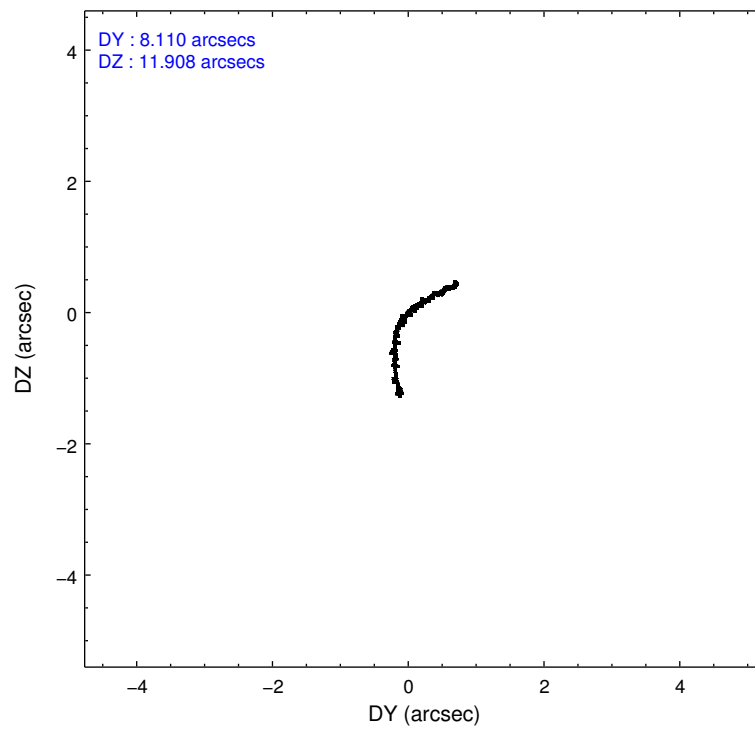
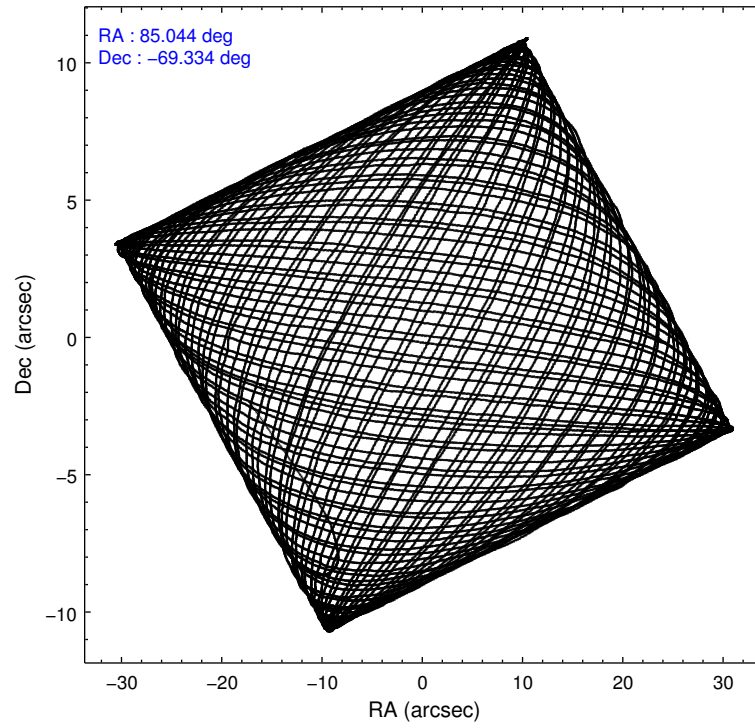
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	99409	102193	107995	246250	140438
rejected events	86213	88467	92403	94764	109628
rejected %	86%	86%	85%	38%	78%

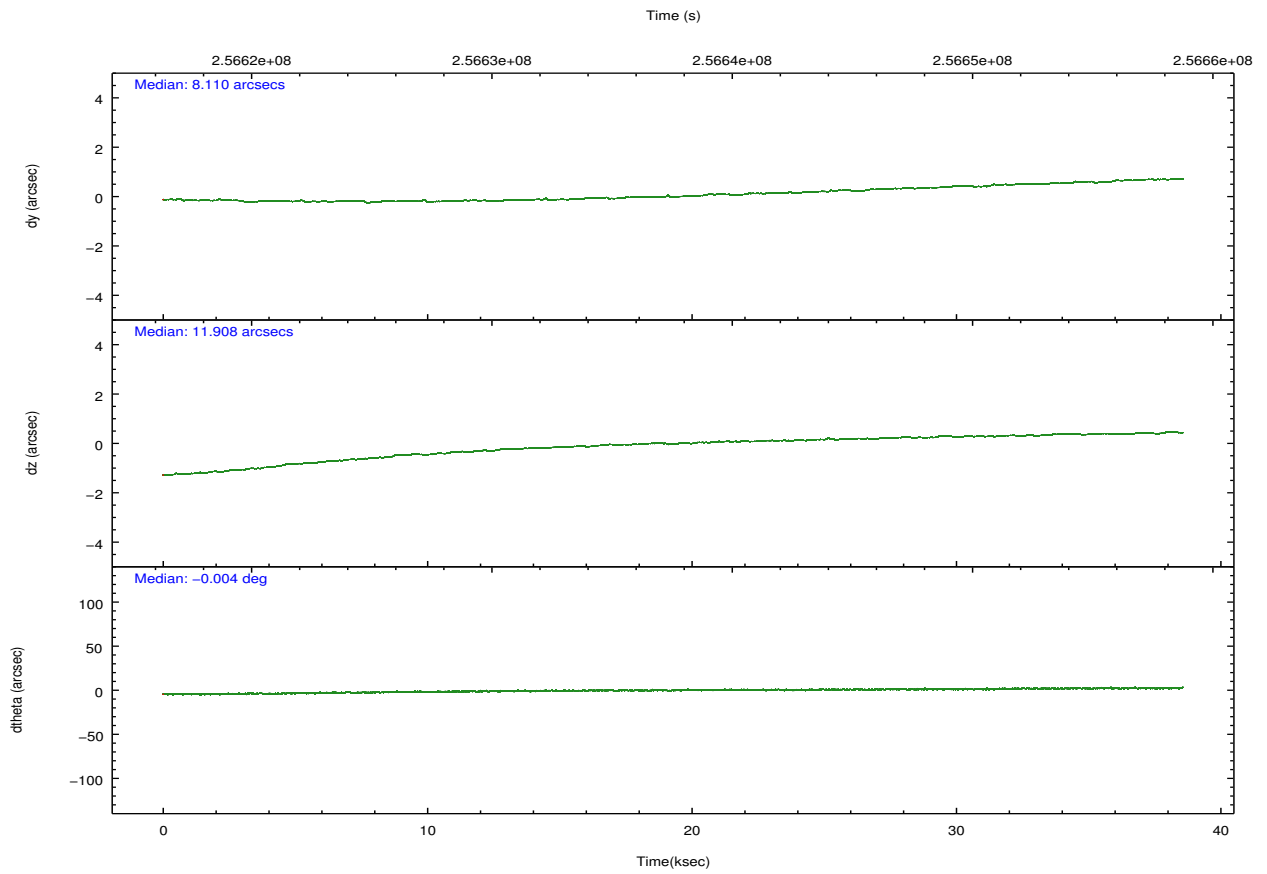
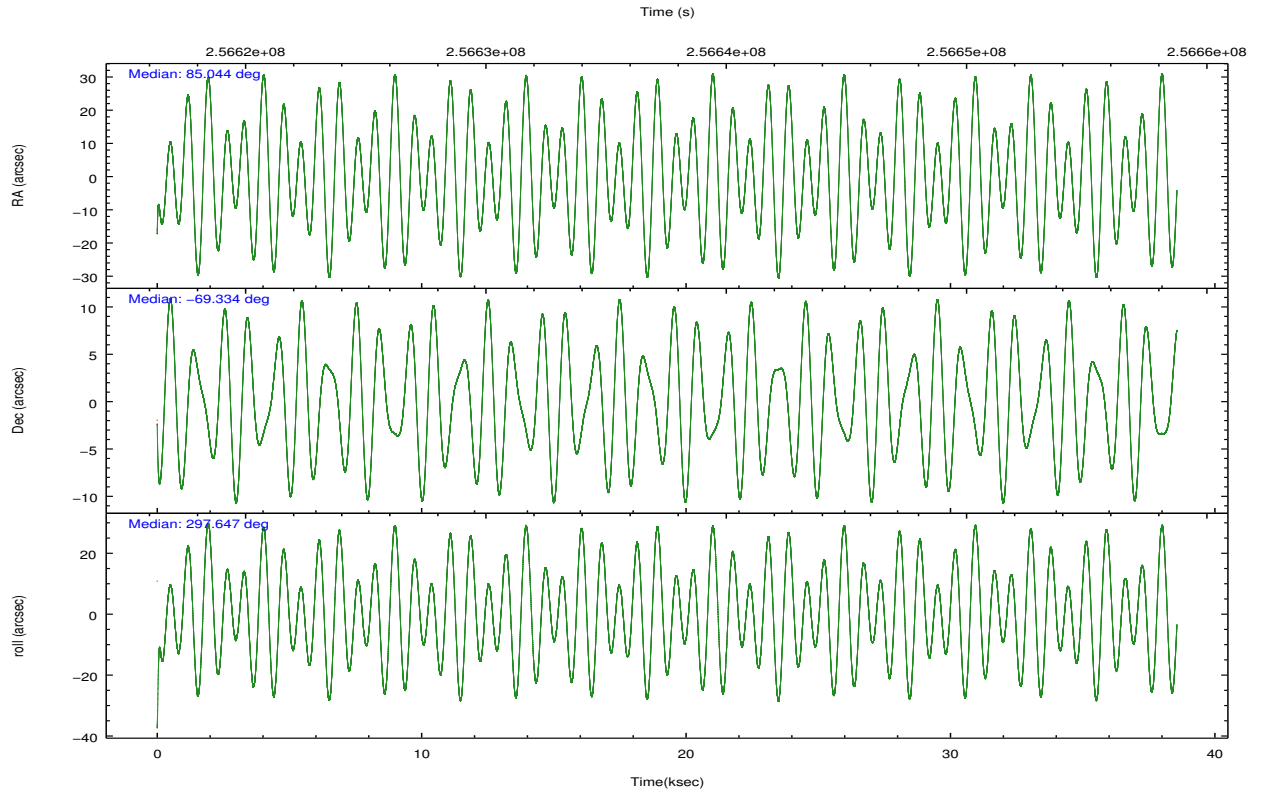
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	6130	6686	7623	27432	11594
	6%	6%	7%	11%	8%
grade 1 events	46	56	42	2341	63
	0%	0%	0%	0%	0%
grade 2 events	2189	2207	2470	36383	6058
	2%	2%	2%	14%	4%
grade 3 events	1645	1612	1675	16896	3049
	1%	1%	1%	6%	2%
grade 4 events	1648	1538	1678	16641	2828
	1%	1%	1%	6%	2%
grade 5 events	3193	3995	4193	19055	5296
	3%	3%	3%	7%	3%
grade 6 events	1753	1848	2318	55290	7656
	1%	1%	2%	22%	5%
grade 7 events	82805	84251	87996	72212	103894
	83%	82%	81%	29%	73%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	84.978396	85.04408089284408	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-69.319575	-69.33385779239293	Subarray start row	385	385
[deg] Pointing Roll	297.436126	297.6542029049842	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	256618419.184000	256617414.77122			
Observation start date	2006-02-18T02:52:34	2006-02-18T02:36:54			
[s] Observation end time (MET)	256656819.184000	256657647.56059			
Observation end date	2006-02-18T13:32:34	2006-02-18T13:47:27			
Read mode	TIMED	TIMED			

## 2.3 Aspect



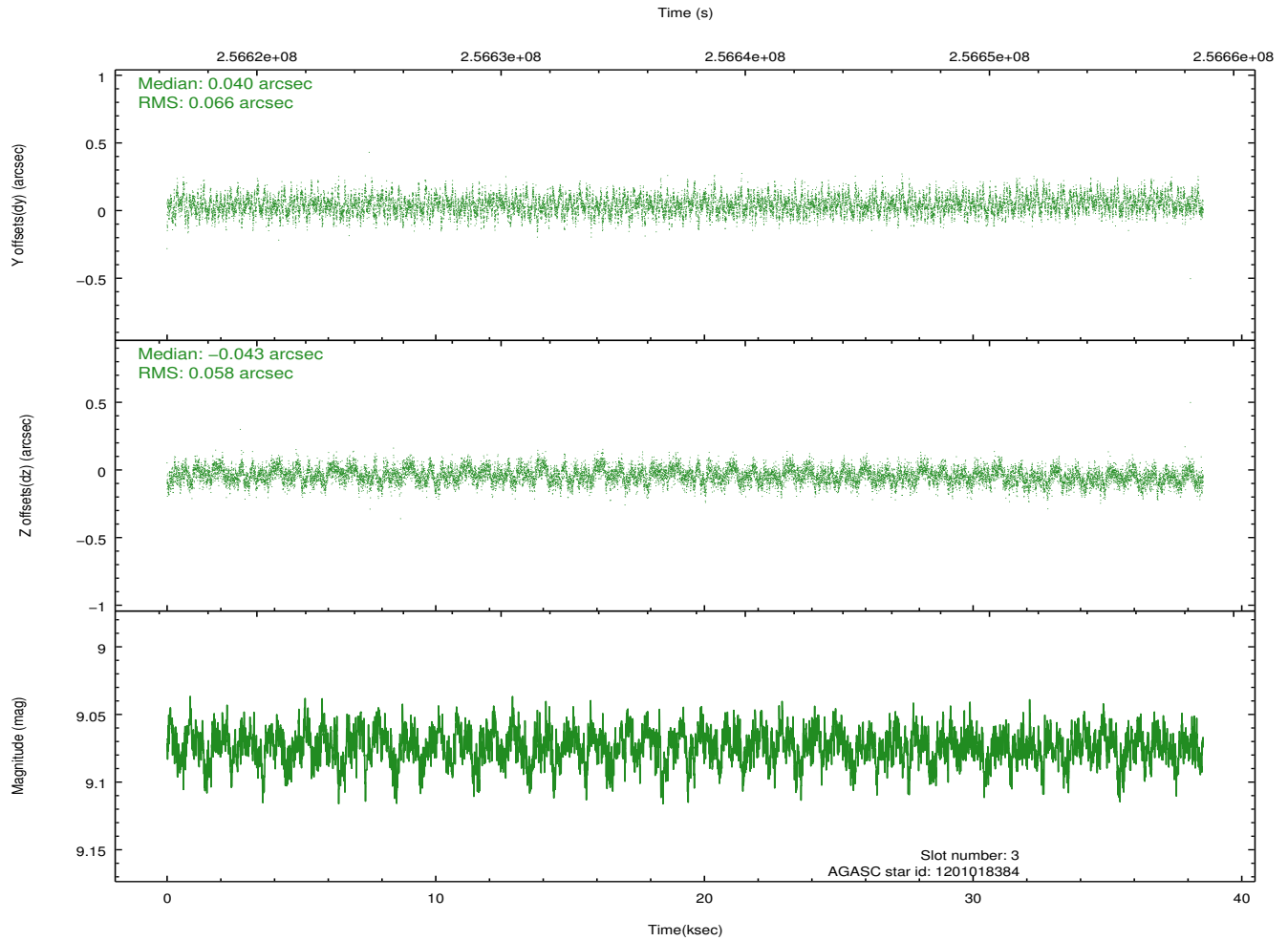
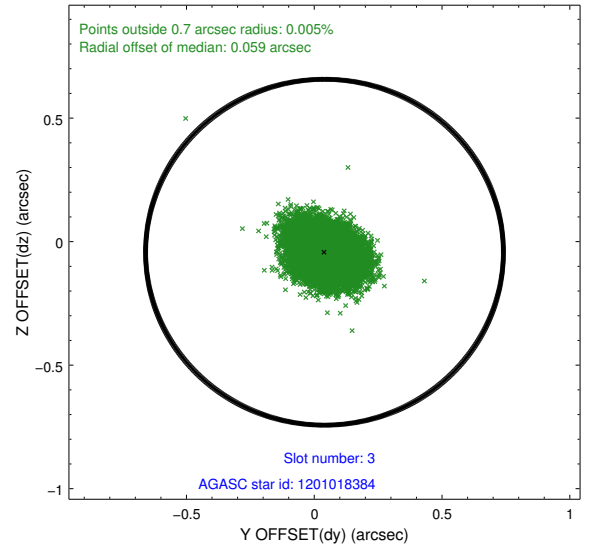
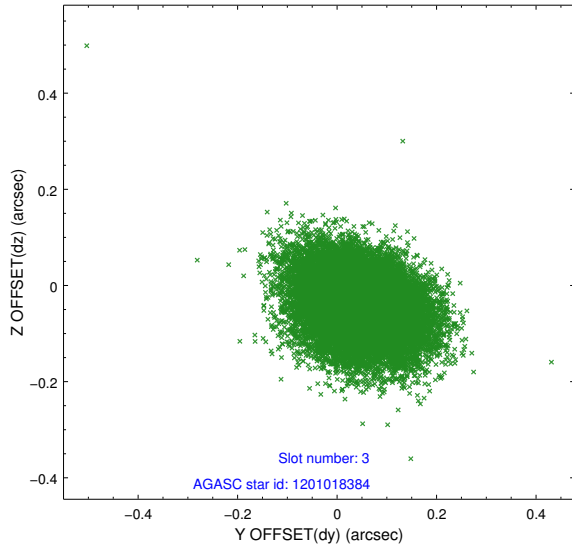


### Slot Statistics

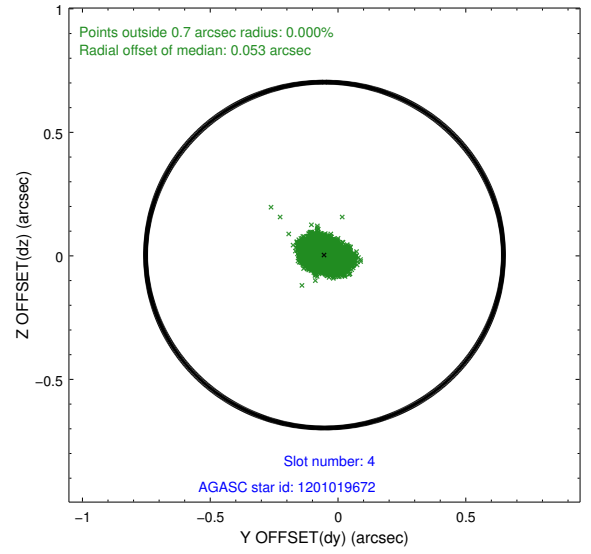
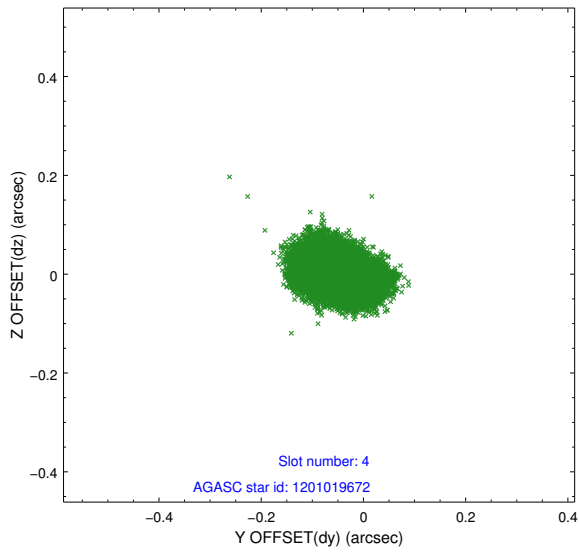
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9407	-0.020	-0.028	0.017	0.028	0.000000	0.000000	-761.01	-1733.09
1	FID	ACIS-S-4	7.20	9406	0.117	0.019	0.010	0.018	0.000000	0.000000	2152.38	175.44
2	FID	ACIS-S-5	7.23	9407	-0.125	0.021	0.018	0.026	0.000000	0.000000	-1813.94	169.11
3	GUIDE	1201018384	9.07	18800	0.040	-0.043	0.094	0.153	85.801362	-68.593260	-1815.99	2161.50
4	GUIDE	1201019672	6.83	18813	-0.053	0.003	0.054	0.083	85.312192	-68.770187	-1553.93	1297.20
5	GUIDE	1201020040	8.60	18805	0.044	-0.007	0.058	0.094	85.379163	-68.879396	-1165.37	1191.00
6	GUIDE	1201540776	9.59	18788	0.041	0.039	0.100	0.162	85.107945	-69.858480	1796.28	-750.83
7	GUIDE	1201542672	8.20	18811	-0.068	0.007	0.075	0.124	84.492488	-69.957531	1763.90	-1590.15

## 2.4 Star Slots

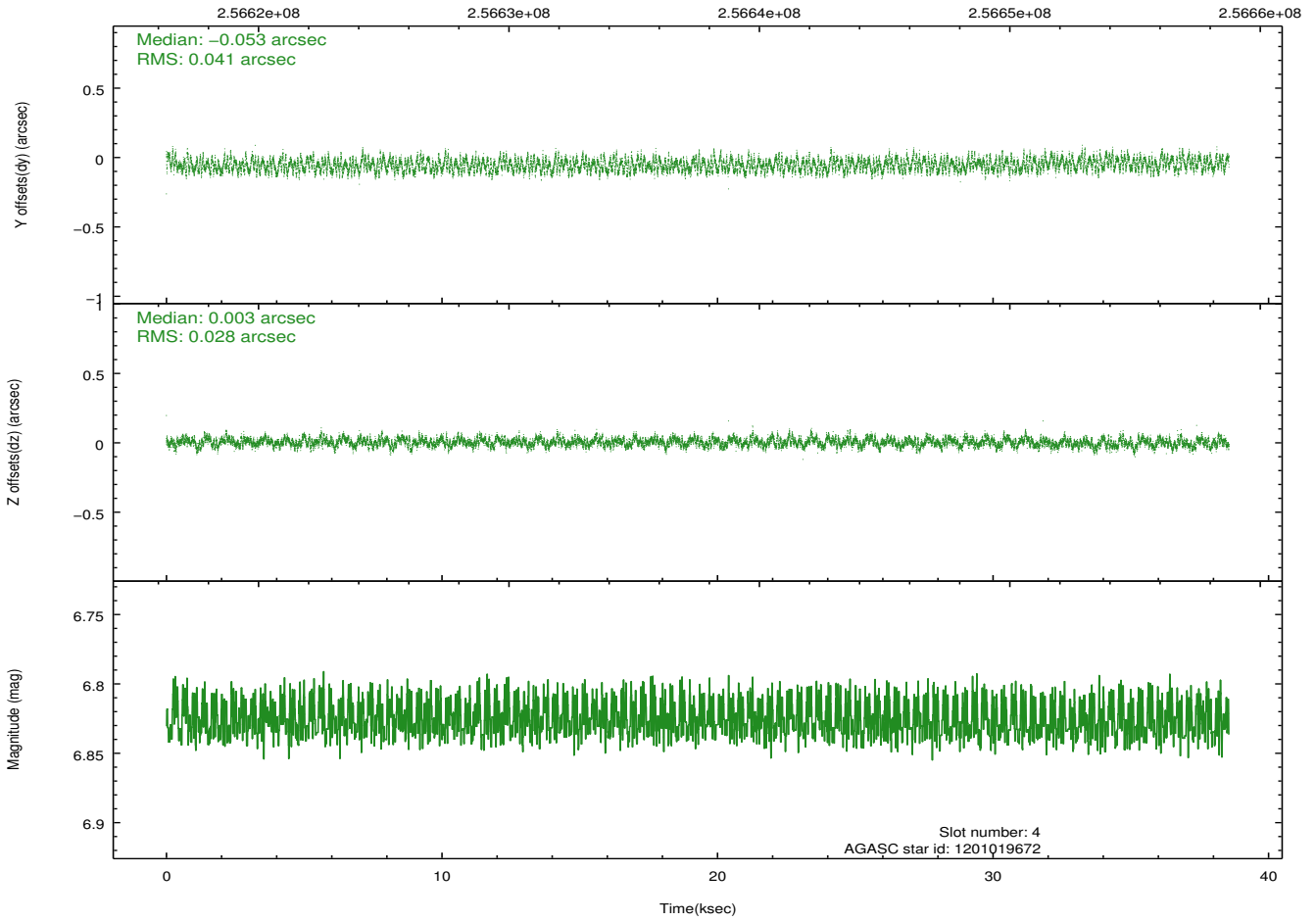
### 2.4.1 Slot 3



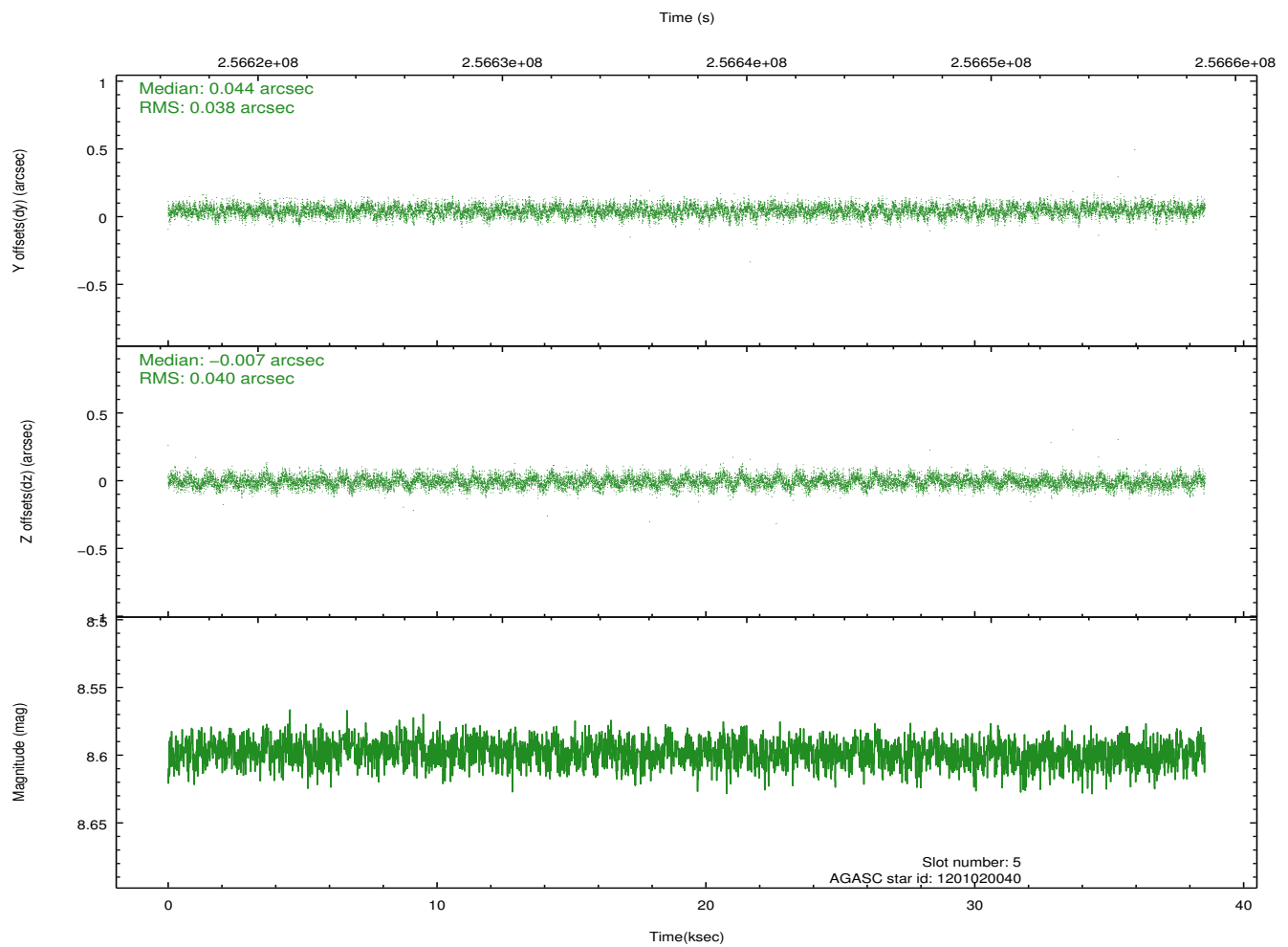
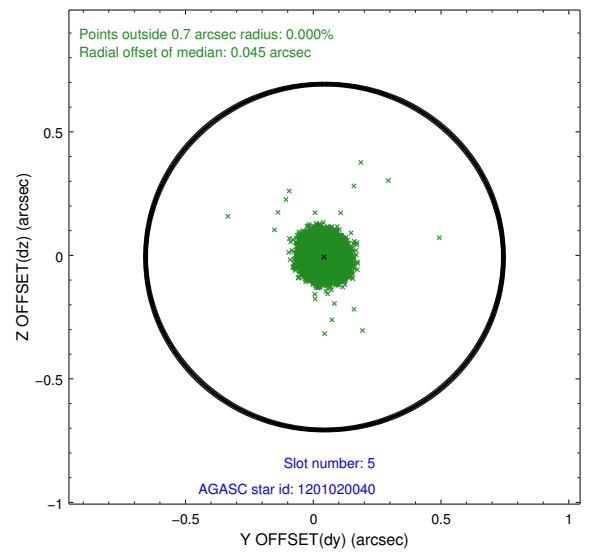
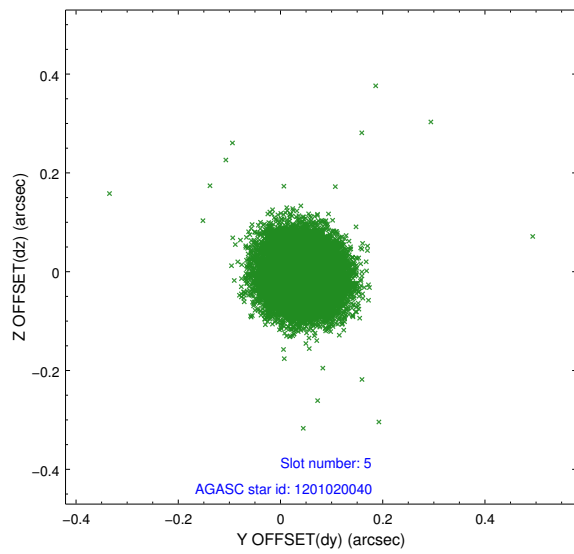
## 2.4.2 Slot 4



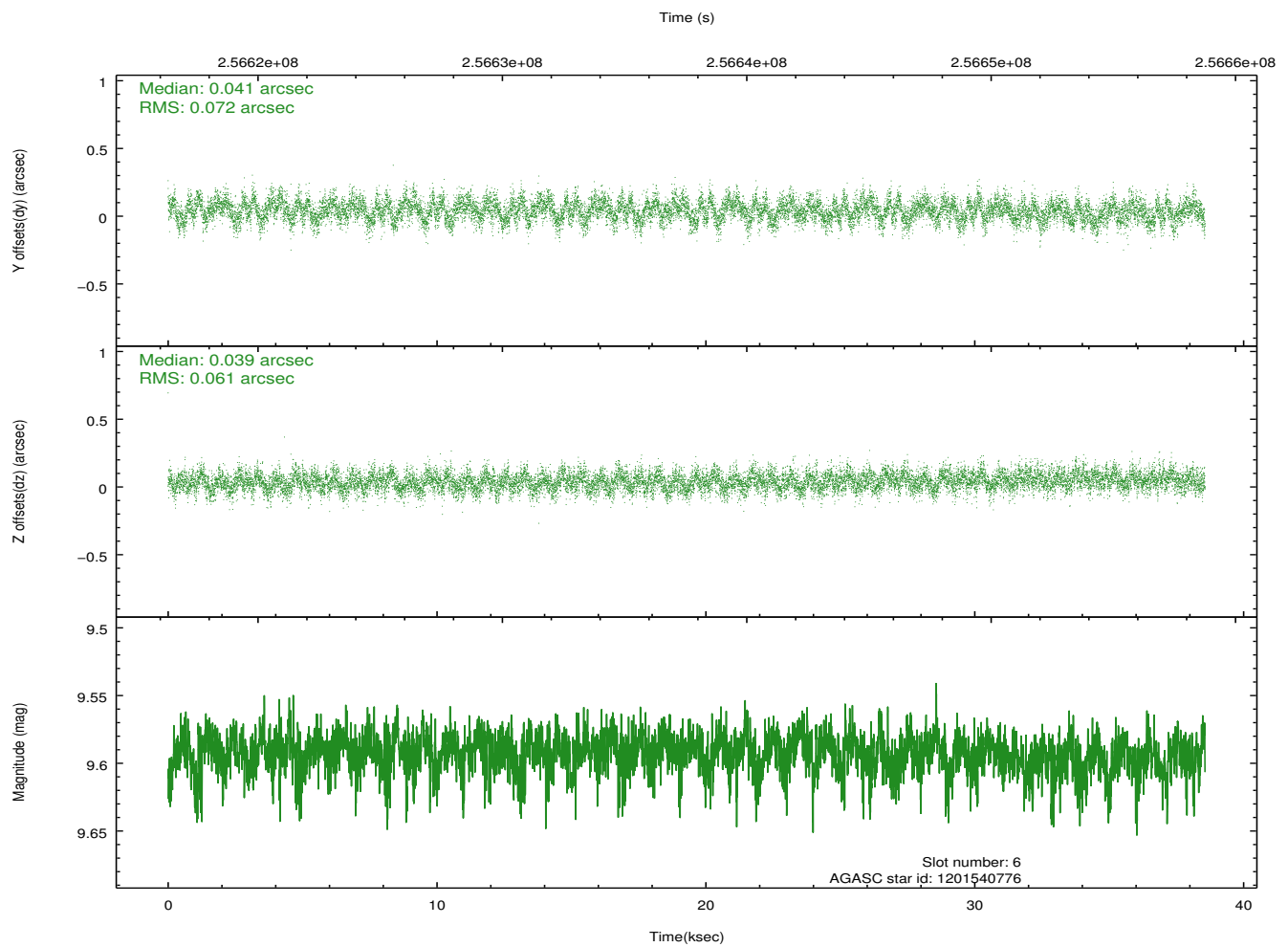
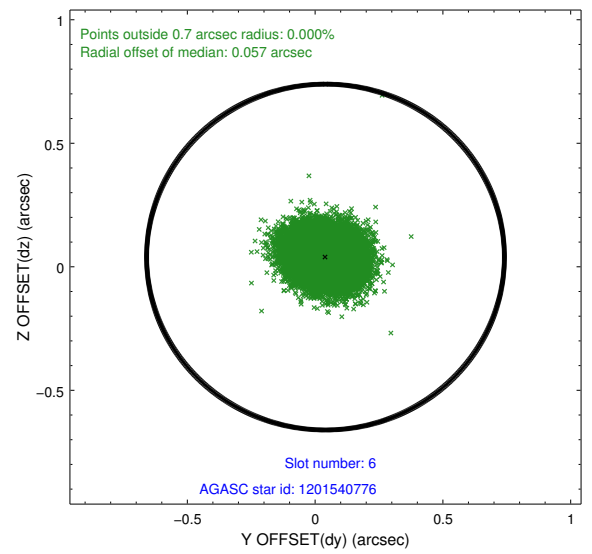
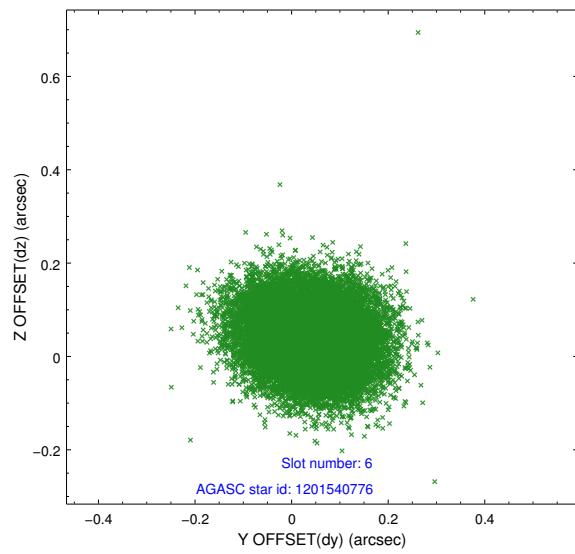
Time (s)



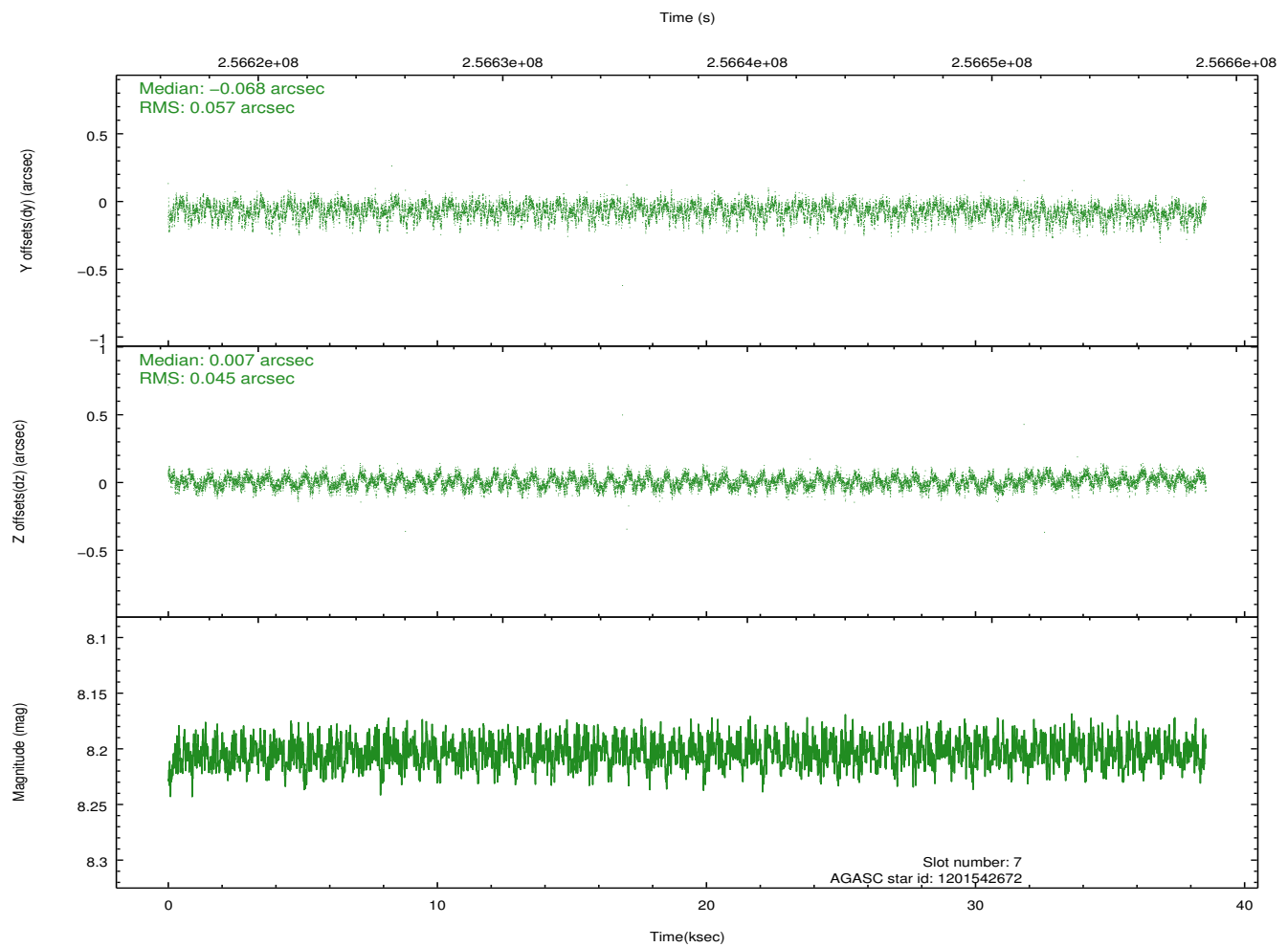
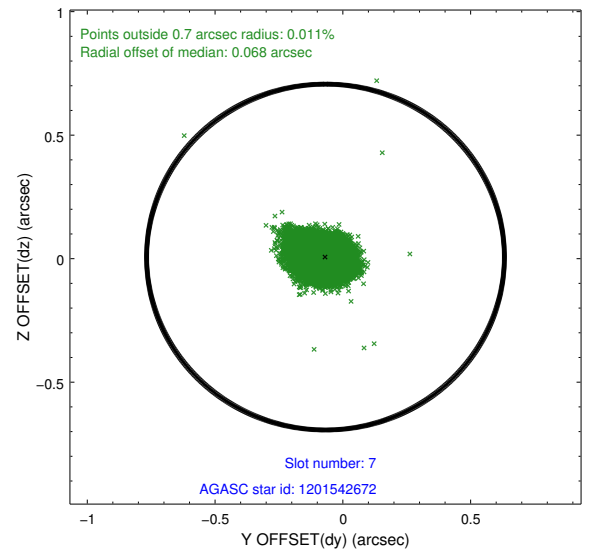
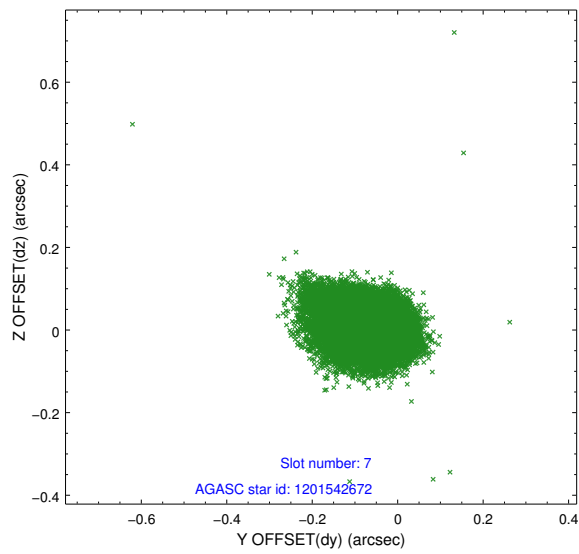
### 2.4.3 Slot 5



## 2.4.4 Slot 6

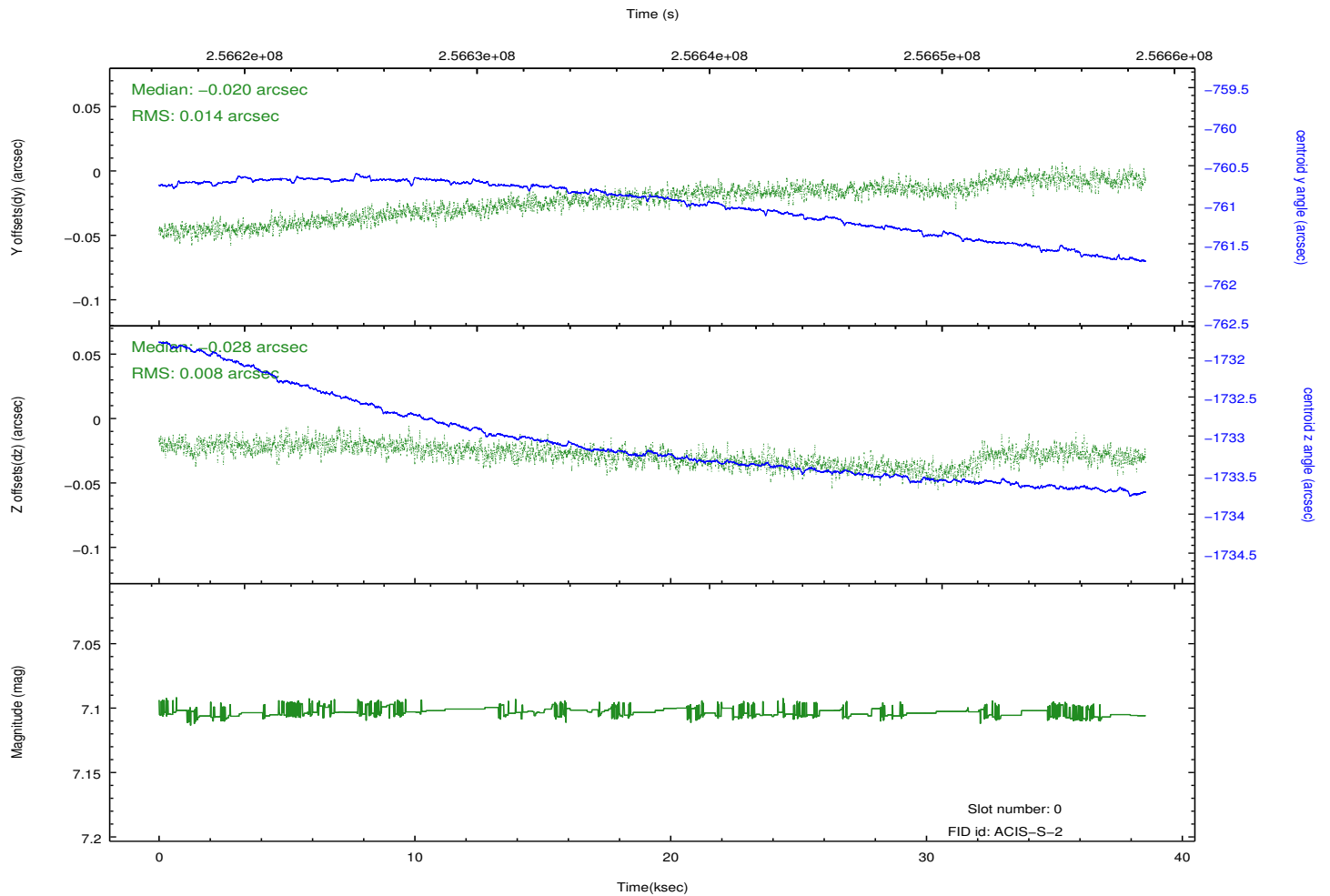
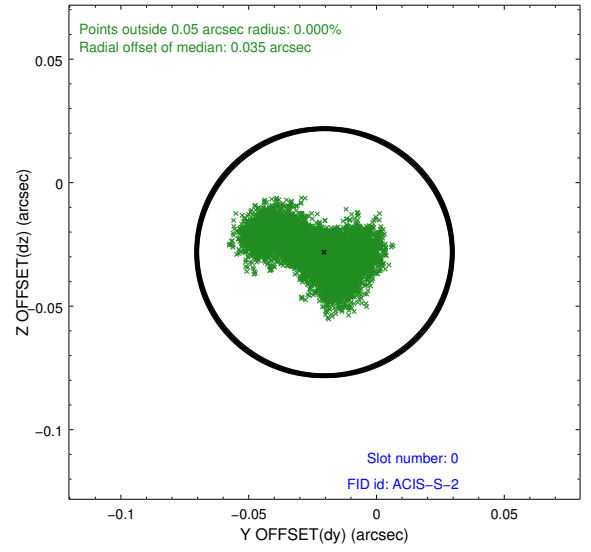
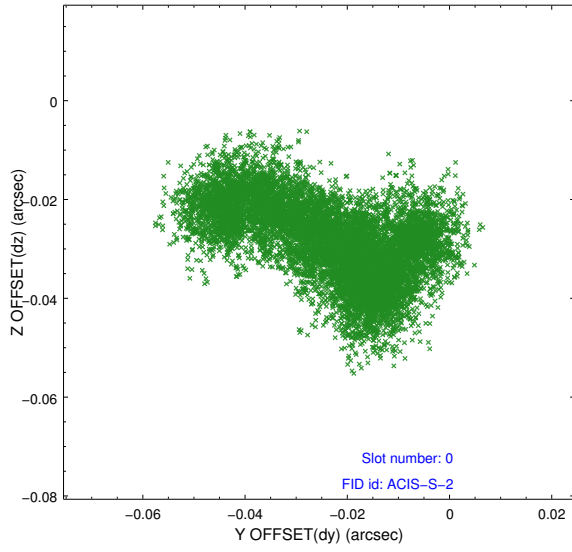


## 2.4.5 Slot 7

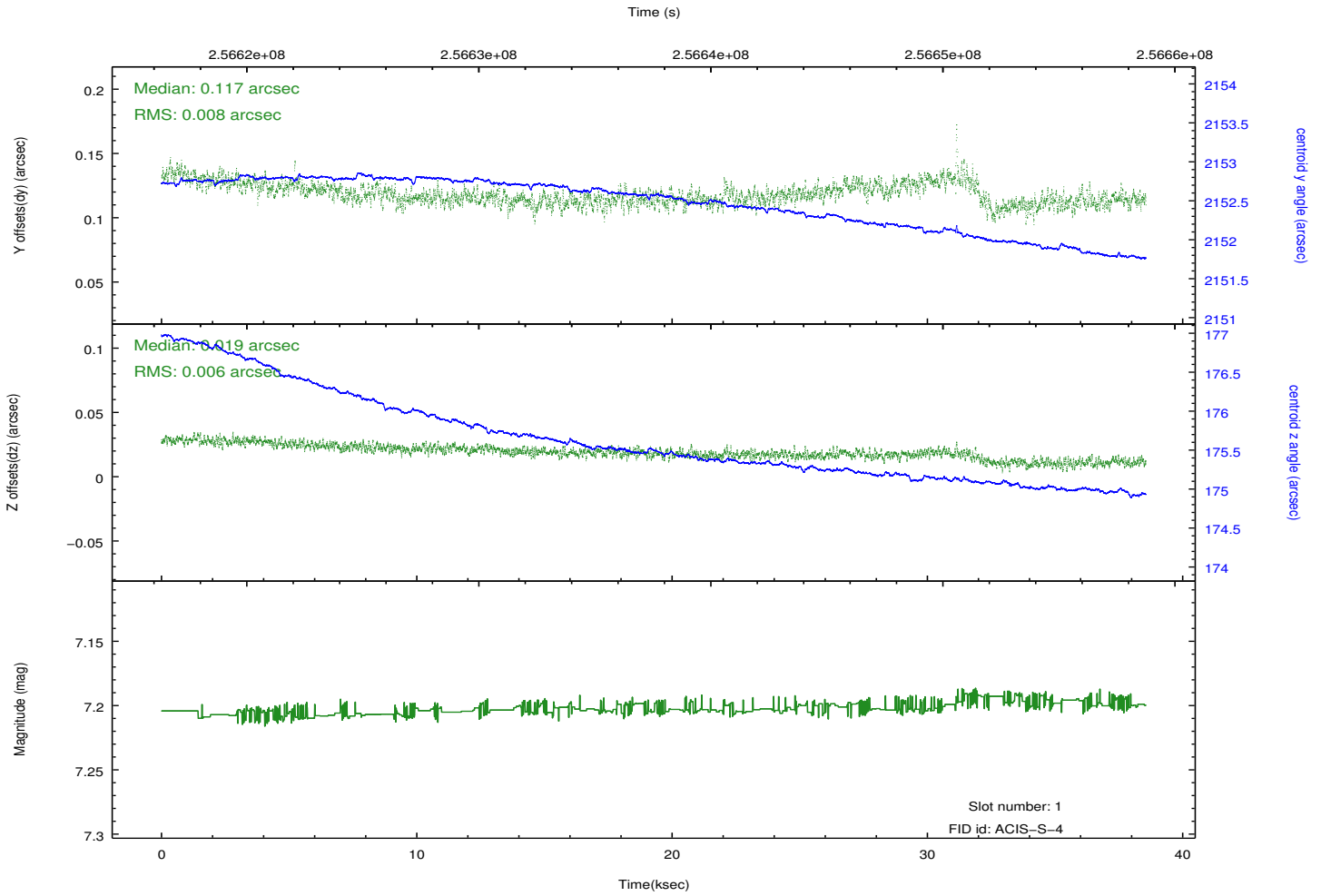
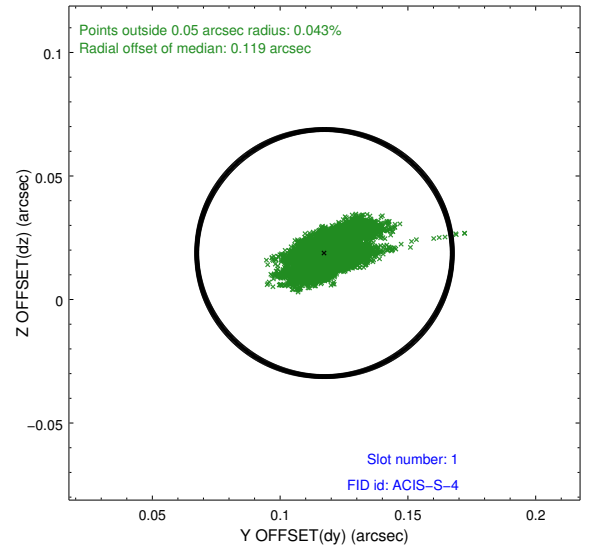
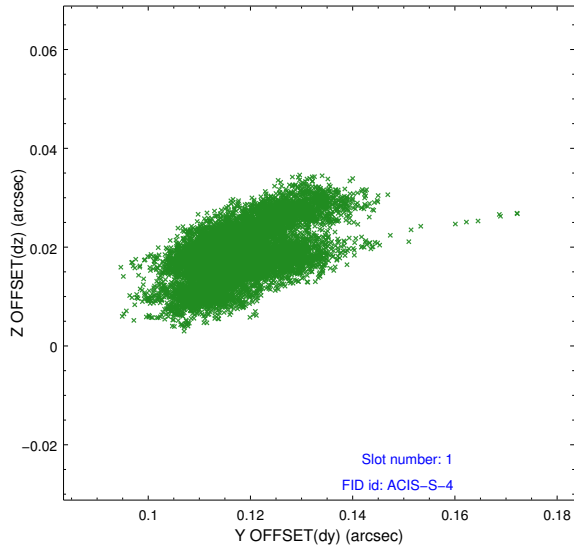


## 2.5 FID Slots

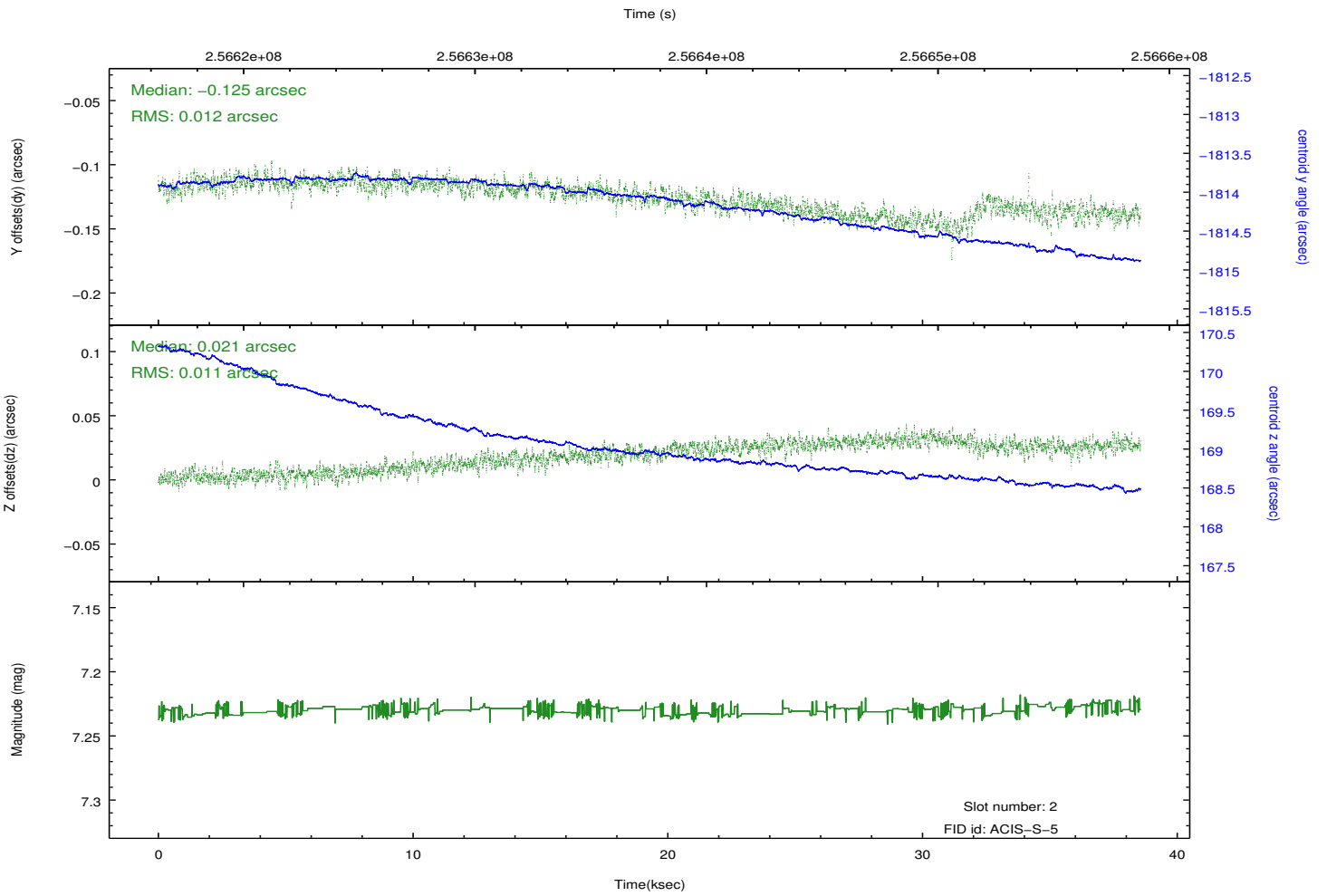
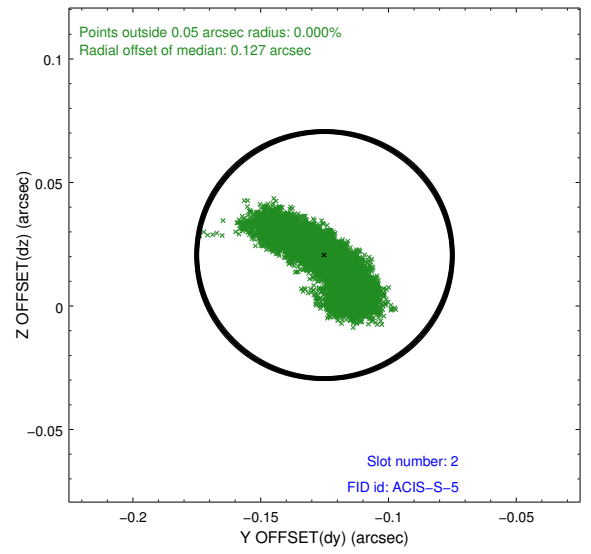
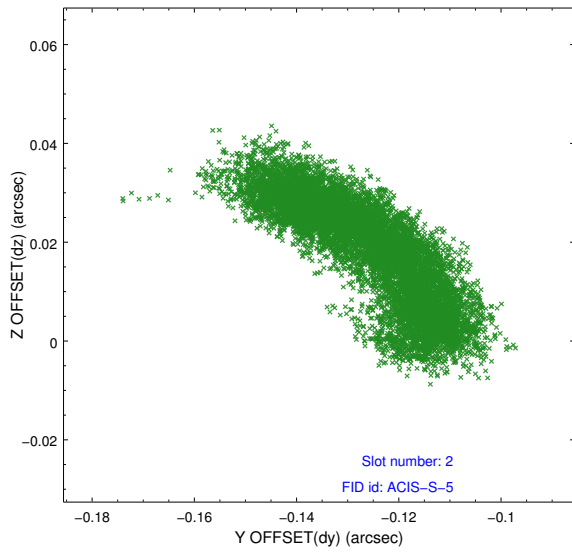
### 2.5.1 Slot 0



## 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)	2012.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.564

### A.2 Comments