

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2780 - L2 Version 3  
Chandra X-Ray Center

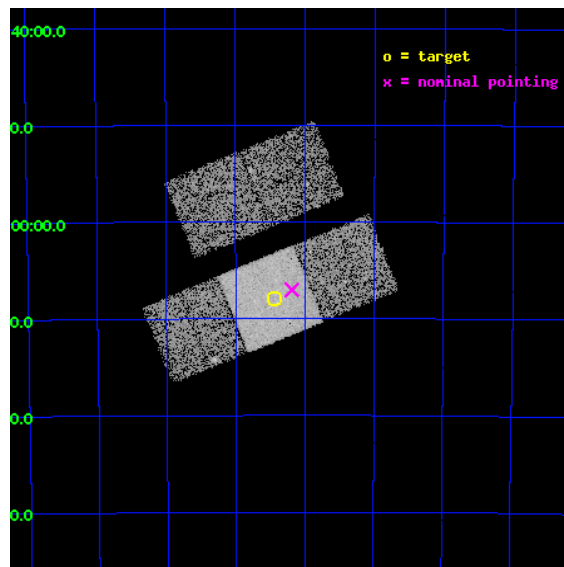
L2 Processing Date : Oct 14 2012

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# 1 Front

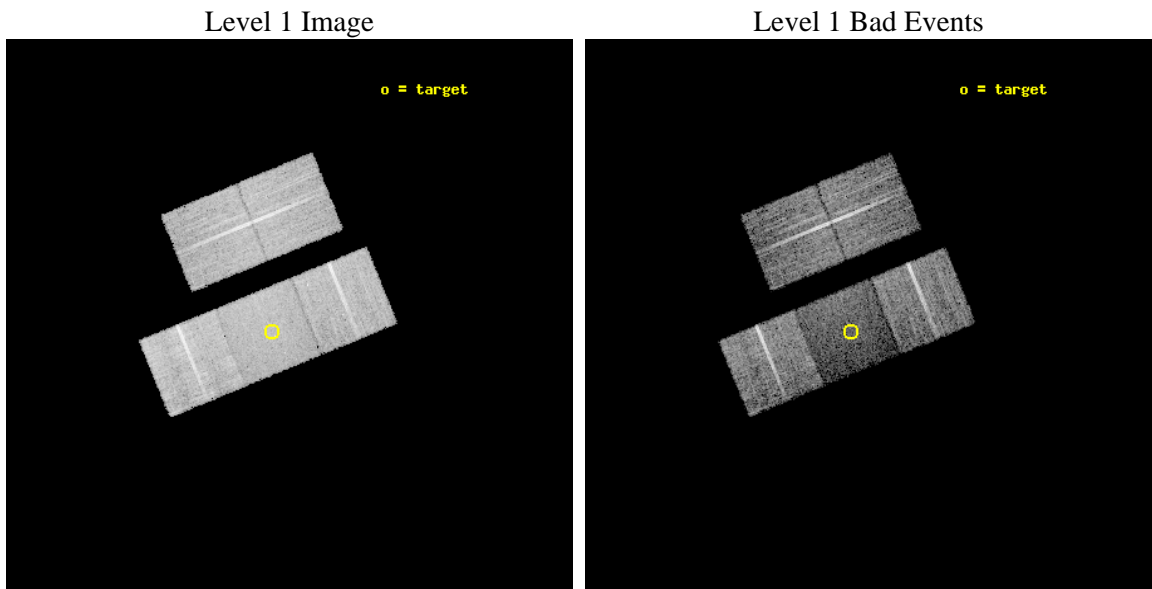
seq_num	500230	Sequence number
obs_id	2780	Observation id
title	WHERE ARE THE SUPERNOVA REMNANTS AROUND YOUNG PULSARS?	Proposal ti
observer	Prof. Bryan Gaensler	Principal investigator
object	PSR J1105-6107	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	166.359167	Observer's specified target RA [deg]
dec_targ	-61.131306	Observer's specified target Dec [deg]
ra_nom	166.29717410615	Nominal RA [deg]
dec_nom	-61.117162210106	Nominal Dec [deg]
roll_nom	157.76988875151	Nominal Roll [deg]
revision	3	Processing version of data
ontime	11786.199977309	Sum of GTIs [s]
livetime	11632.204597731	Livetime [s]
ontime2	11783.059007108	Sum of GTIs [s]
ontime3	11786.199977309	Sum of GTIs [s]
ontime6	11786.199977309	Sum of GTIs [s]
ontime7	11786.199977309	Sum of GTIs [s]
ontime8	11783.059017092	Sum of GTIs [s]
l2events	50558	Number of level 2 events



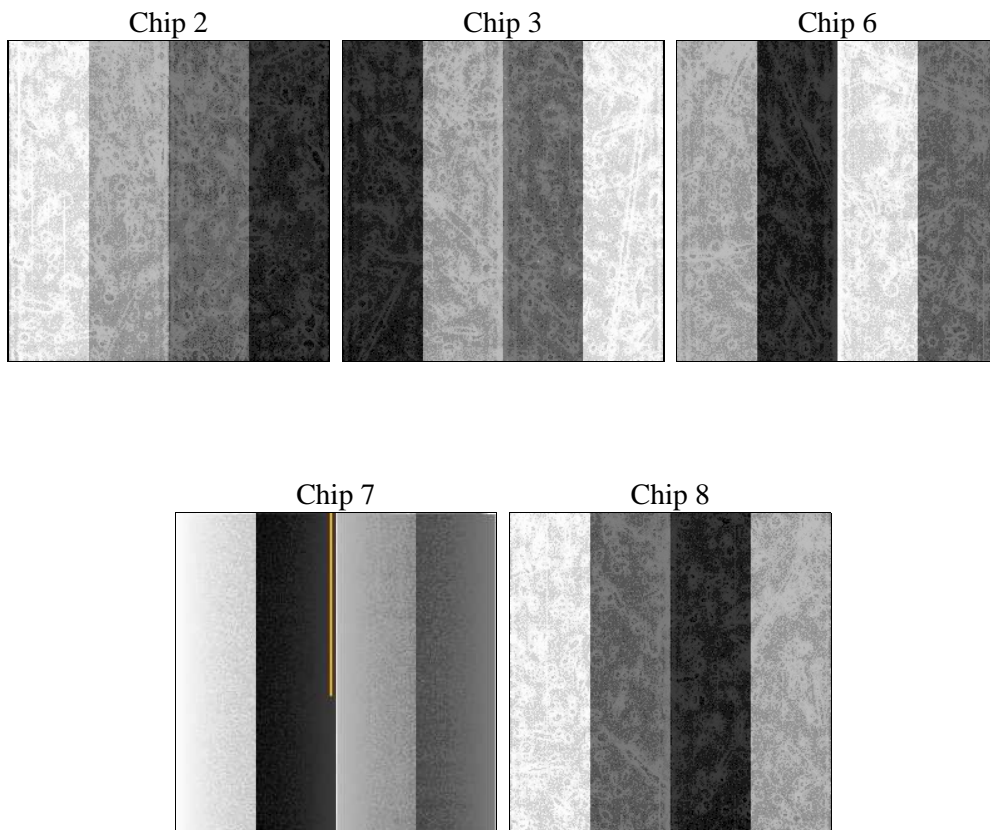
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	11900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	11786.199977309	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime2	11783.059007108	Sum of GTIs [s]
date	2012-10-14T20:30:55	Date and time of file creation	ontime3	11786.199977309	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	11786.199977309	Sum of GTIs [s]
			ontime7	11786.199977309	Sum of GTIs [s]
			ontime8	11783.059017092	Sum of GTIs [s]
			l1events	311321	Number of level 1 events

### 2.1.4 Events

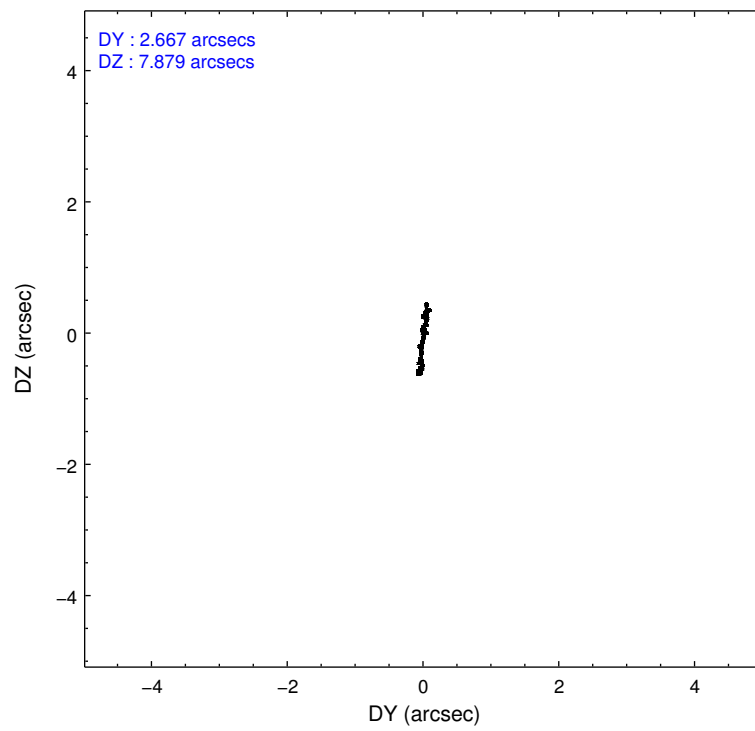
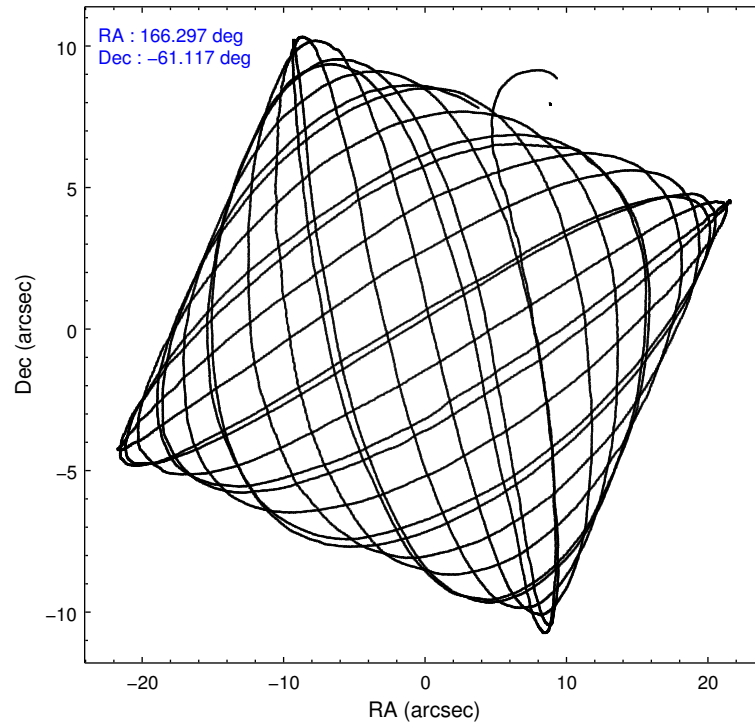
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	60152	58187	62516	56380	74086
rejected events	54172	52184	54993	27687	57131
rejected %	90%	89%	87%	49%	77%

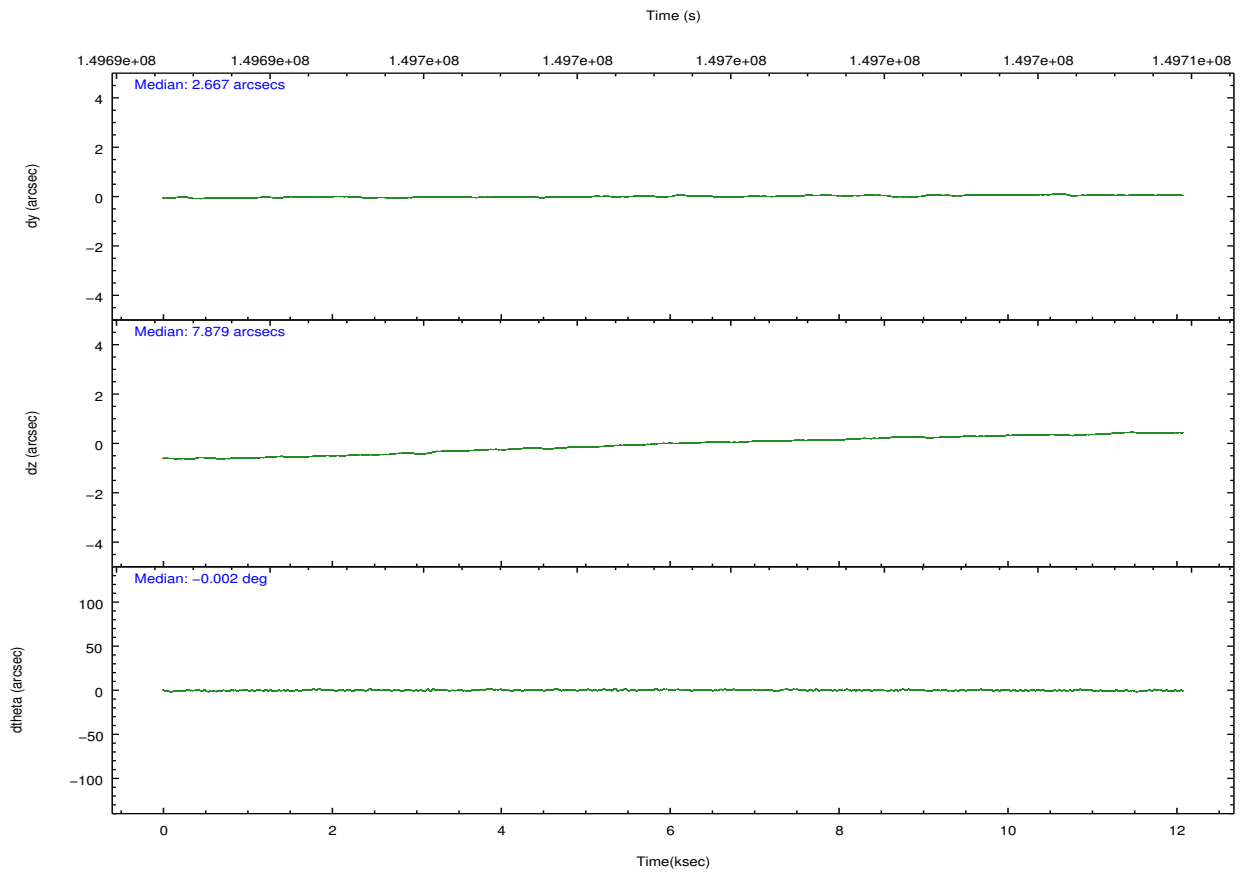
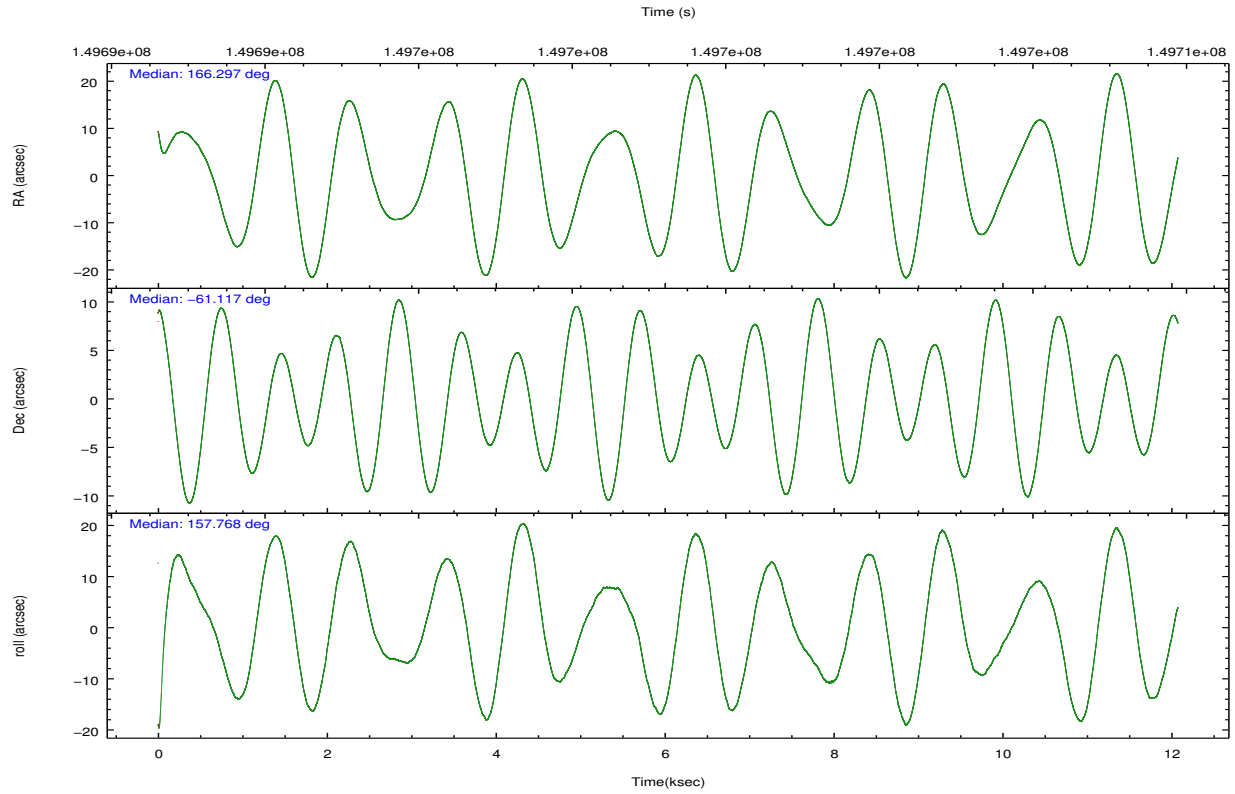
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2620	2625	3464	3457	5333
	4%	4%	5%	6%	7%
grade 1 events	36	25	25	49	51
	0%	0%	0%	0%	0%
grade 2 events	1223	1095	1439	6010	3685
	2%	1%	2%	10%	4%
grade 3 events	640	671	731	2813	1906
	1%	1%	1%	4%	2%
grade 4 events	628	645	694	2832	1710
	1%	1%	1%	5%	2%
grade 5 events	1565	1807	1996	5875	2859
	2%	3%	3%	10%	3%
grade 6 events	870	969	1196	13585	4324
	1%	1%	1%	24%	5%
grade 7 events	52570	50350	52971	21759	54218
	87%	86%	84%	38%	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	166.352930	166.2971741061542	Subarray requested	NONE	NONE
[deg] Pointing Dec	-61.113126	-61.11716221010616	Alternating exposures requested	N	N
[deg] Pointing Roll	157.662112	157.7698887515118	[s] Primary exposure time	0.000000	3.1
[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)	149693388.184000	149692411.25632			
Observation start date	2002-09-29T13:28:44	2002-09-29T13:13:31			
[s] Observation end time (MET)	149705288.184000	149705940.23188			
Observation end date	2002-09-29T16:47:04	2002-09-29T16:59:00			
Read mode	TIMED	TIMED			

## 2.3 Aspect



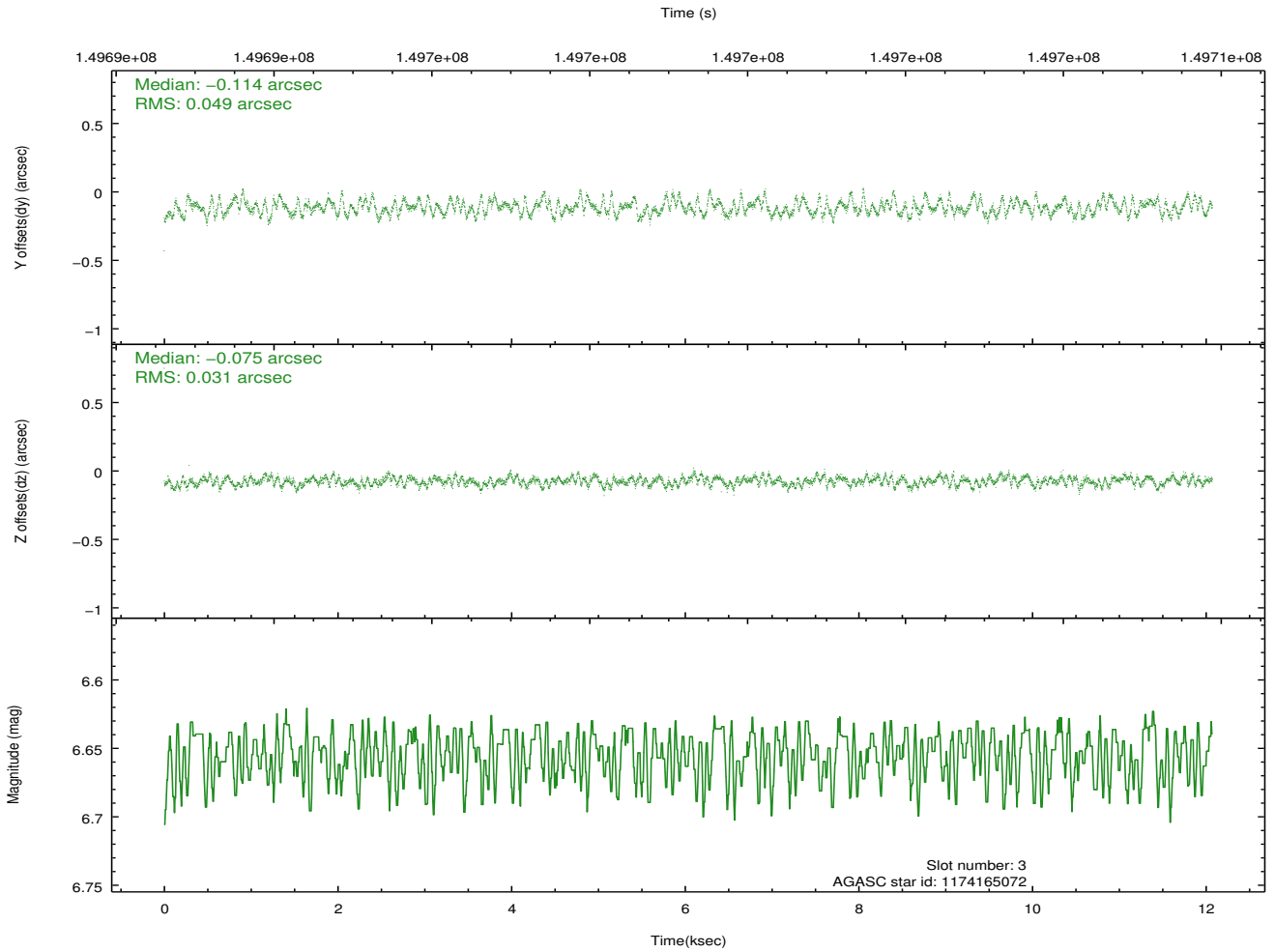
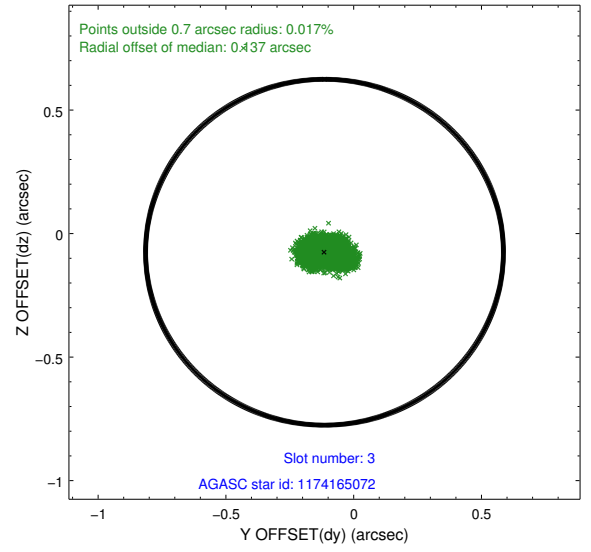
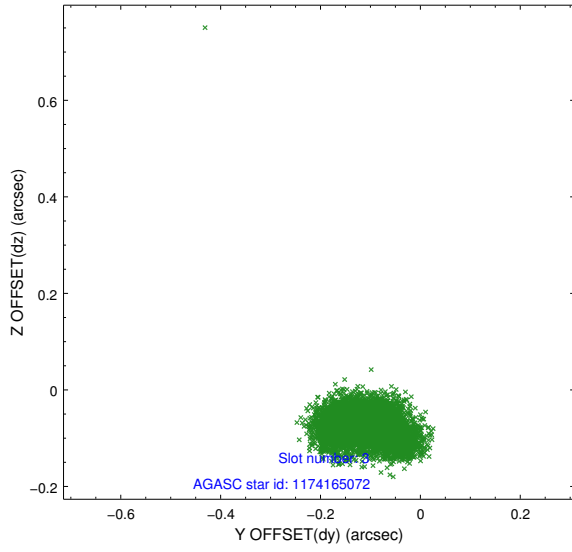


### Slot Statistics

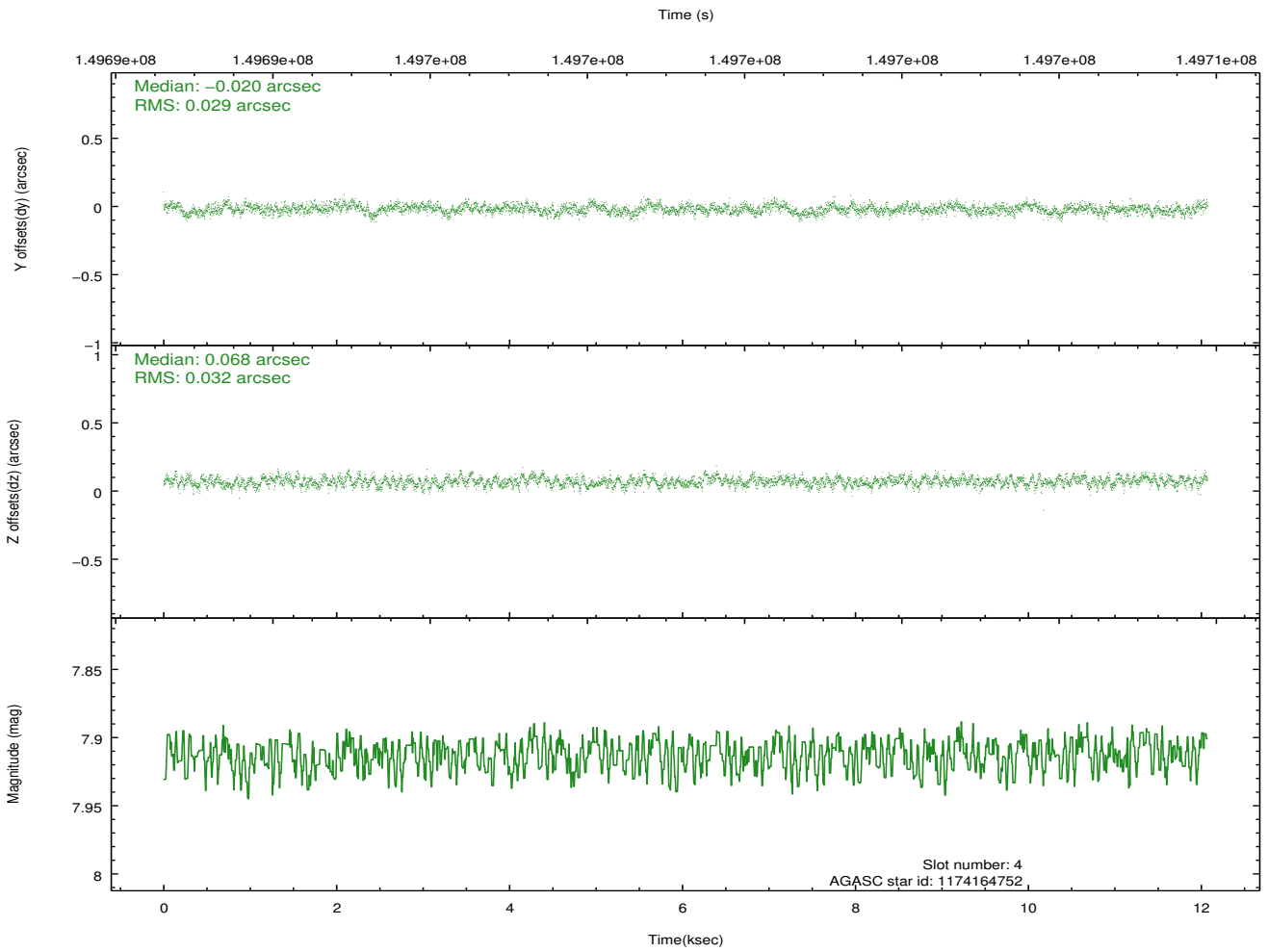
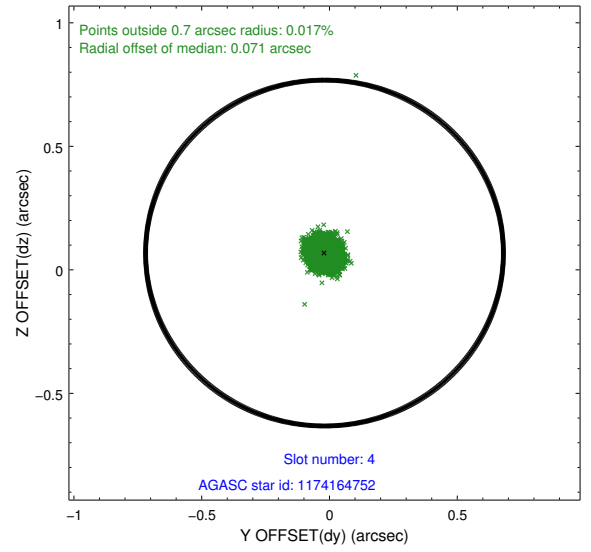
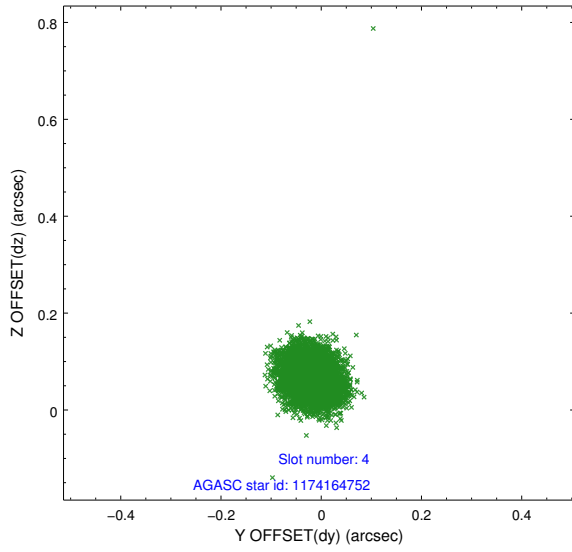
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.35	2945	-0.043	-0.023	0.022	0.032	0.000000	0.000000	57.77	-1858.09
1	FID	ACIS-S-5	7.24	2945	0.044	-0.020	0.009	0.015	0.000000	0.000000	-1808.28	172.56
2	FID	ACIS-S-6	7.35	2946	-0.024	0.050	0.021	0.033	0.000000	0.000000	405.87	816.95
3	GUIDE	1174165072	6.65	5891	-0.114	-0.075	0.060	0.099	164.808363	-61.320739	2170.84	1733.97
4	GUIDE	1174164752	7.91	5891	-0.020	0.068	0.045	0.073	166.202600	-60.663321	859.94	-1397.00
5	GUIDE	1174277736	7.97	5889	0.036	0.007	0.061	0.105	167.205882	-61.559450	-1967.81	938.34
6	GUIDE	1174172736	8.26	5890	0.066	0.004	0.051	0.082	165.291451	-61.221953	1545.64	1074.92
7	GUIDE	1174277760	8.82	5888	0.024	-0.004	0.070	0.114	167.829413	-60.920065	-2137.02	-1598.29

## 2.4 Star Slots

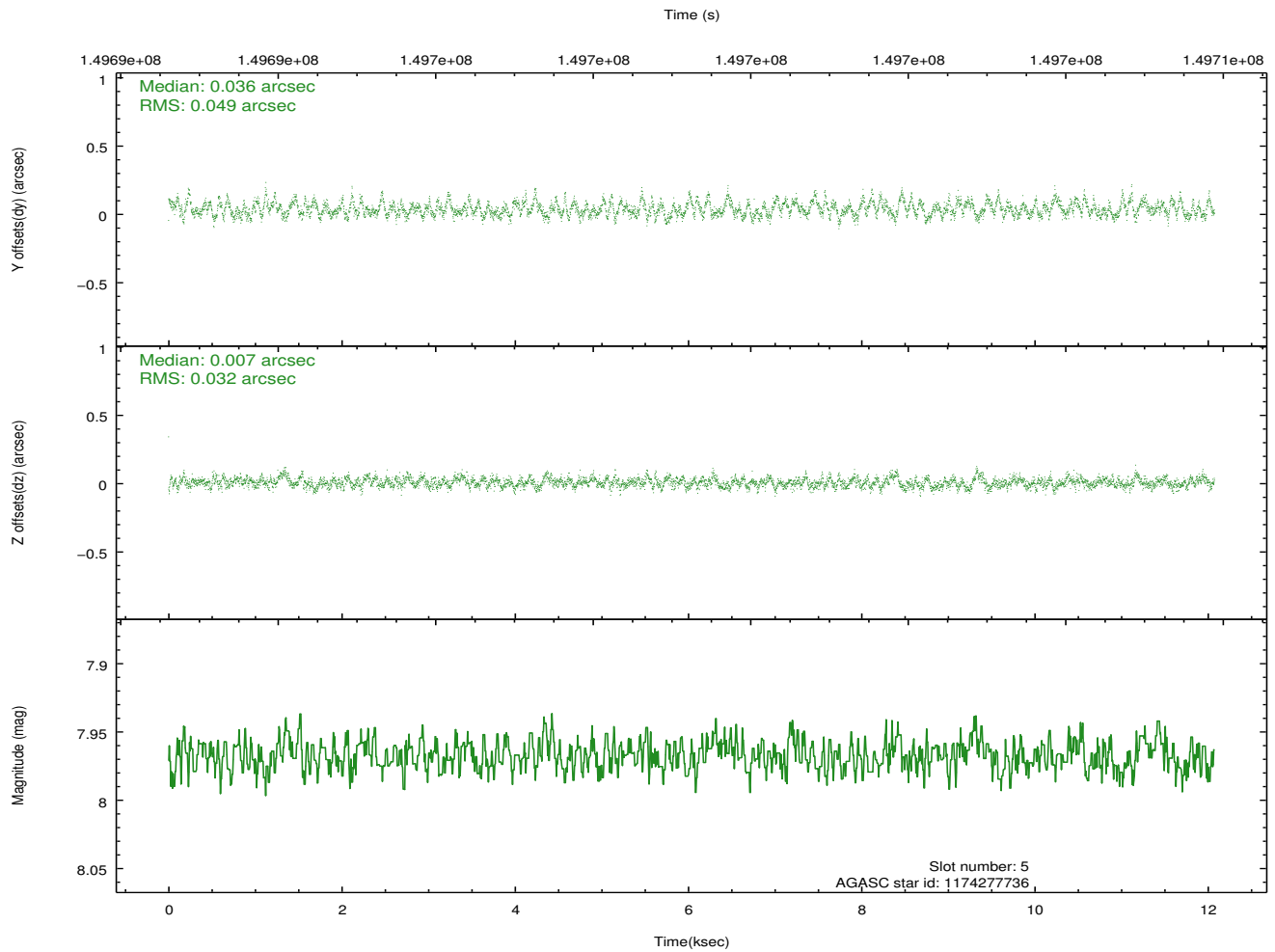
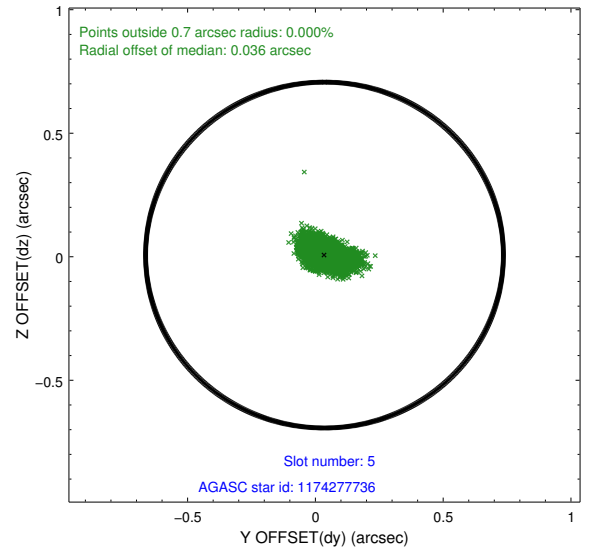
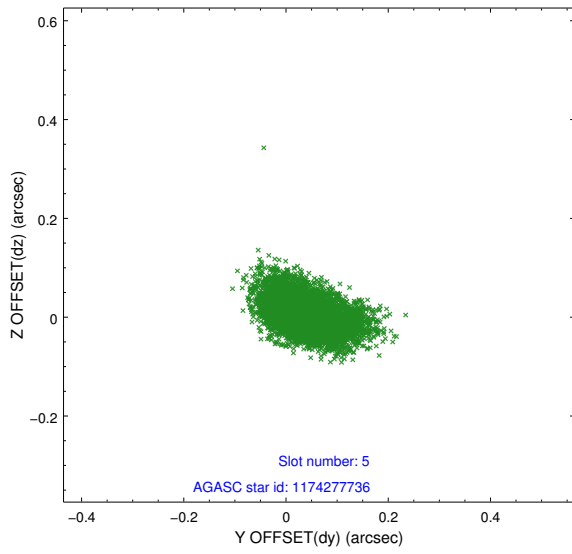
### 2.4.1 Slot 3



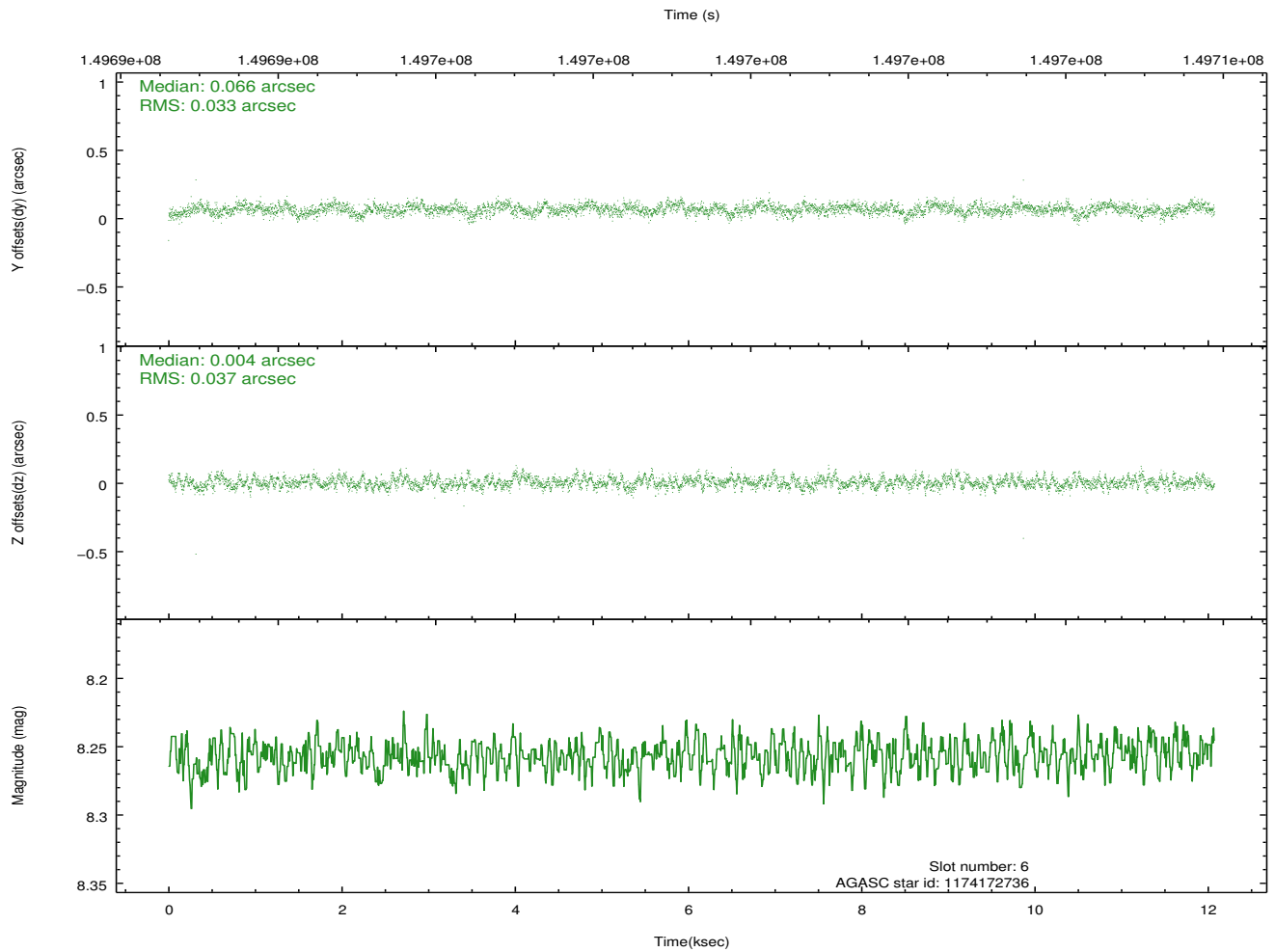
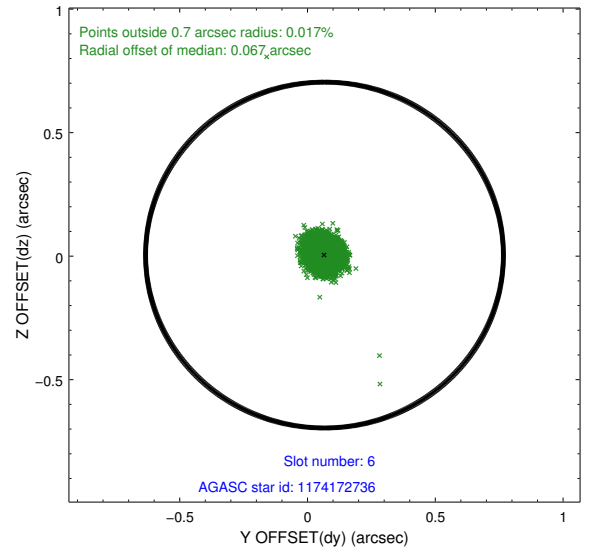
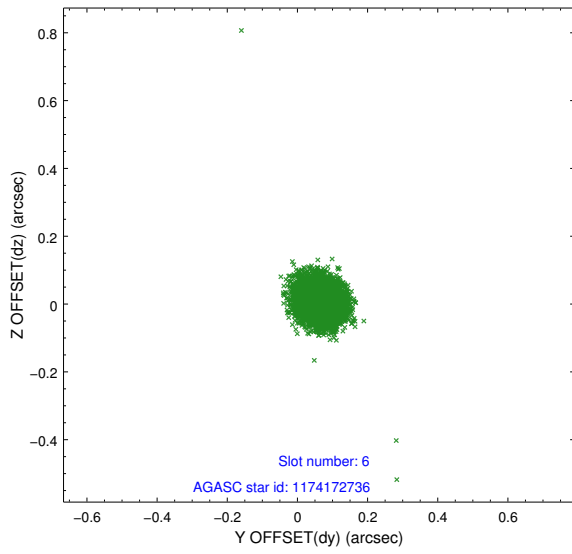
## 2.4.2 Slot 4



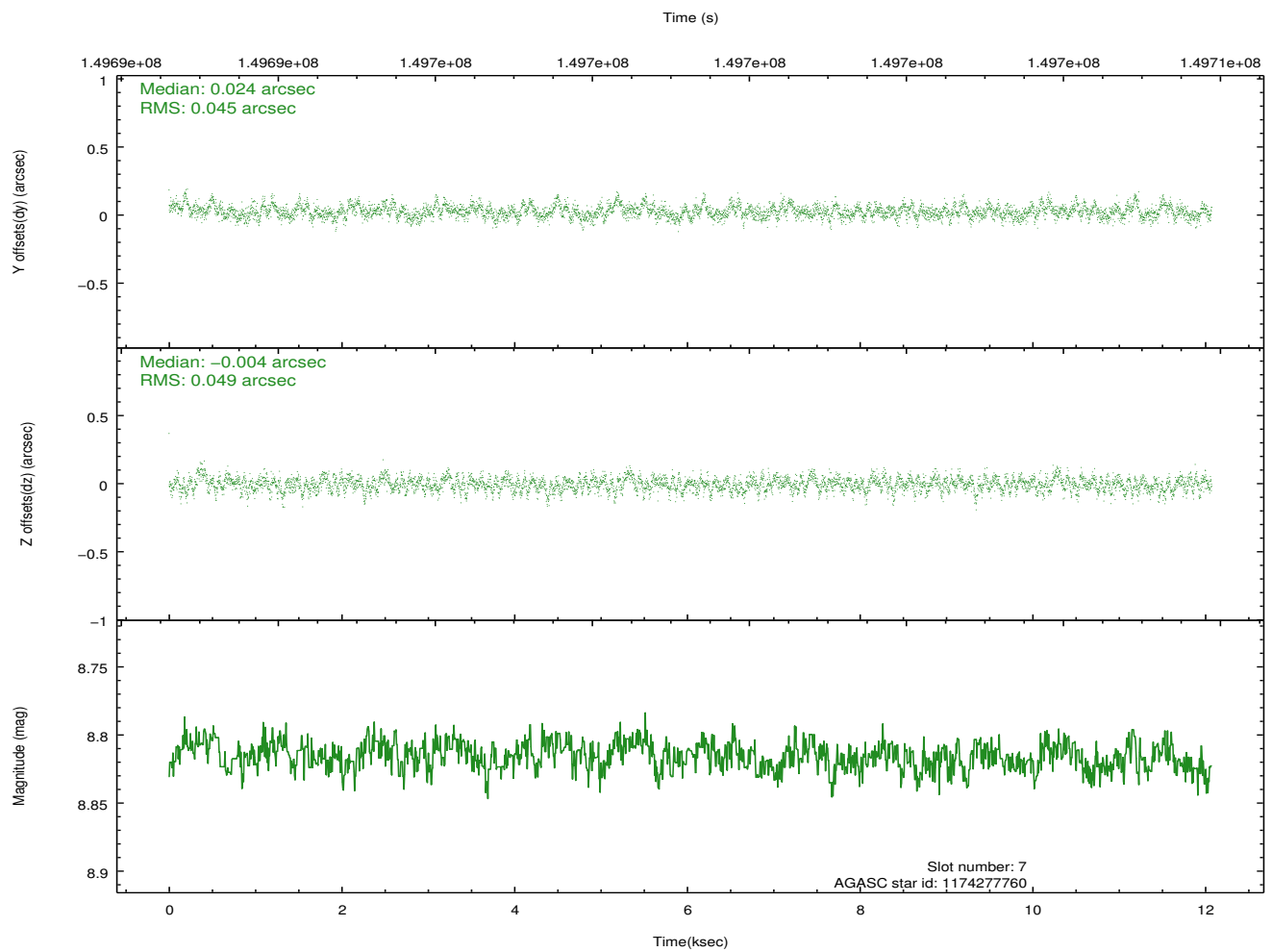
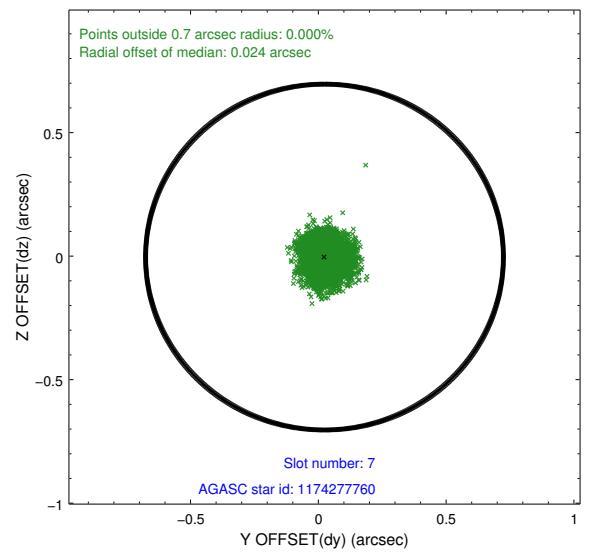
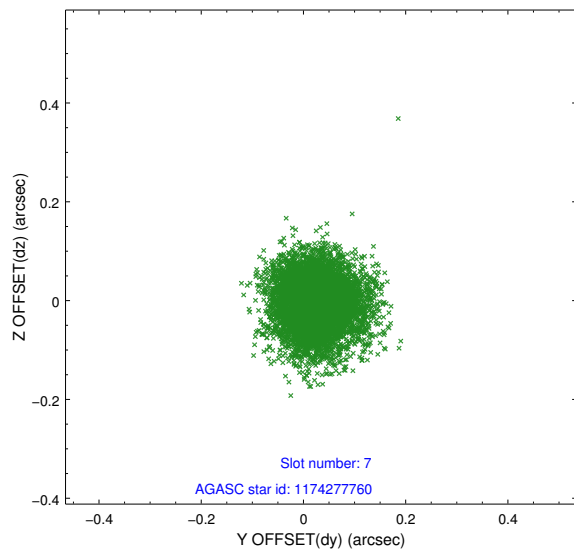
### 2.4.3 Slot 5



## 2.4.4 Slot 6

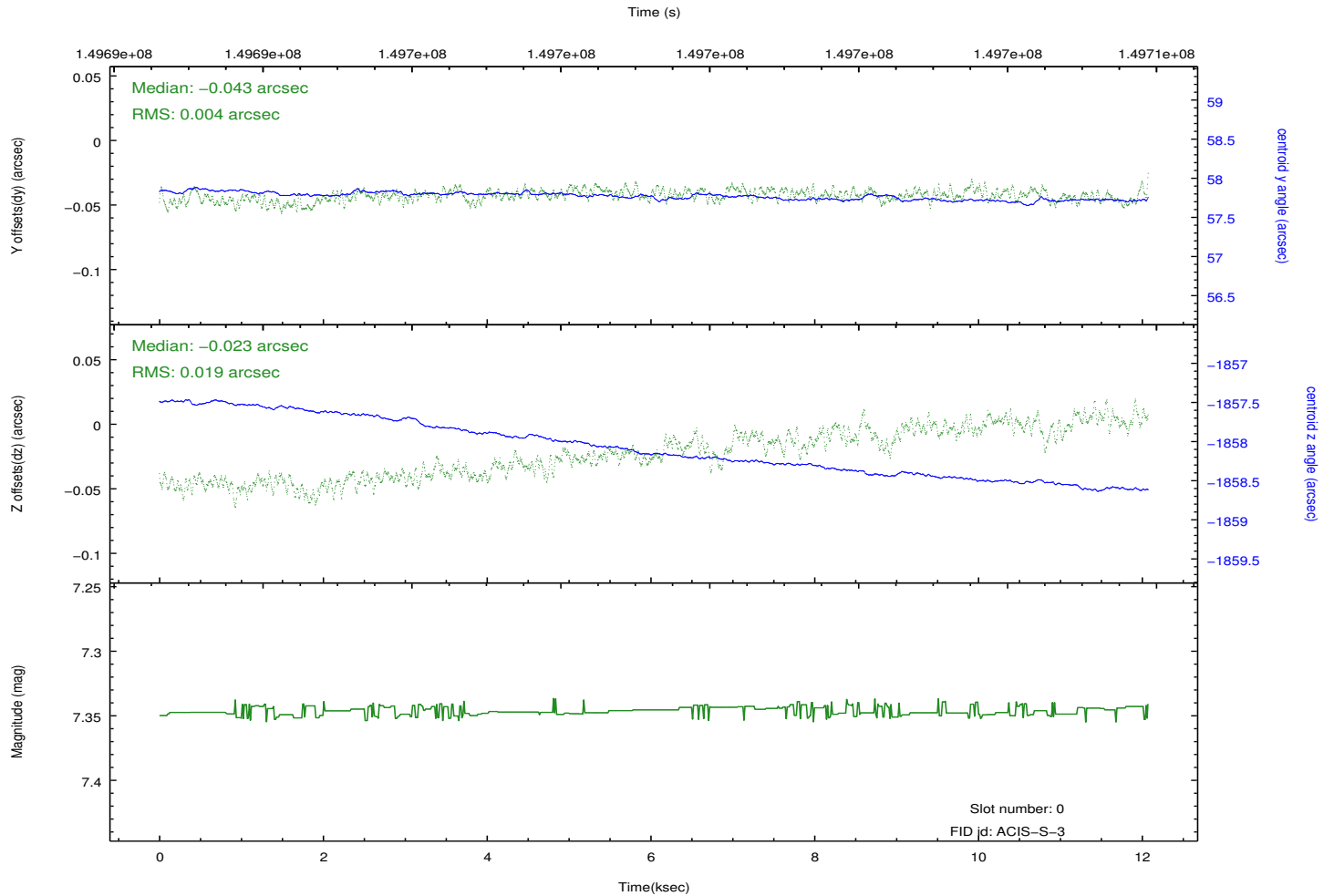
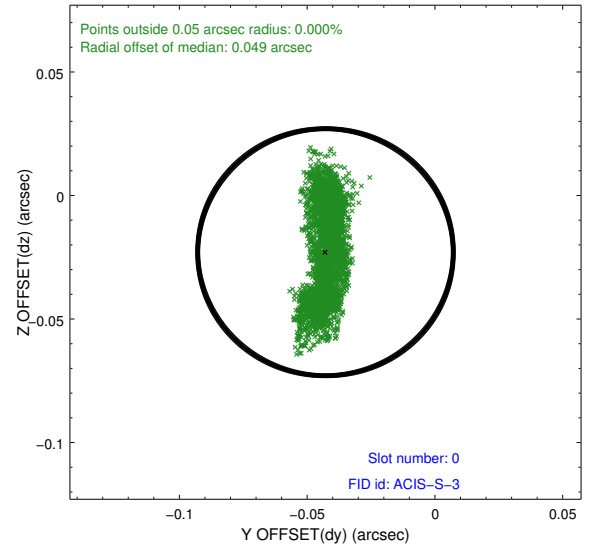
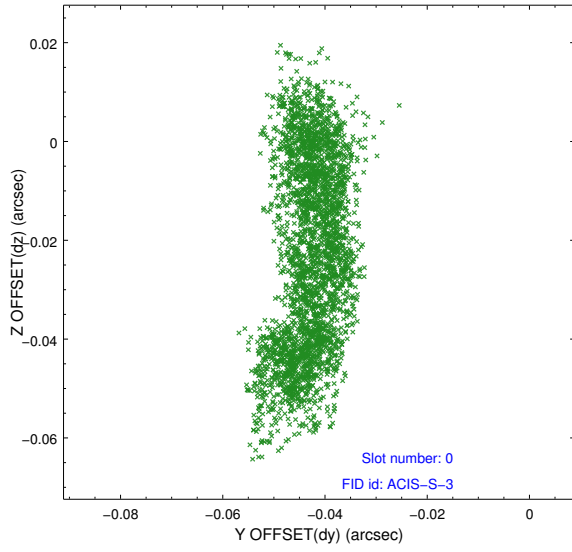


## 2.4.5 Slot 7

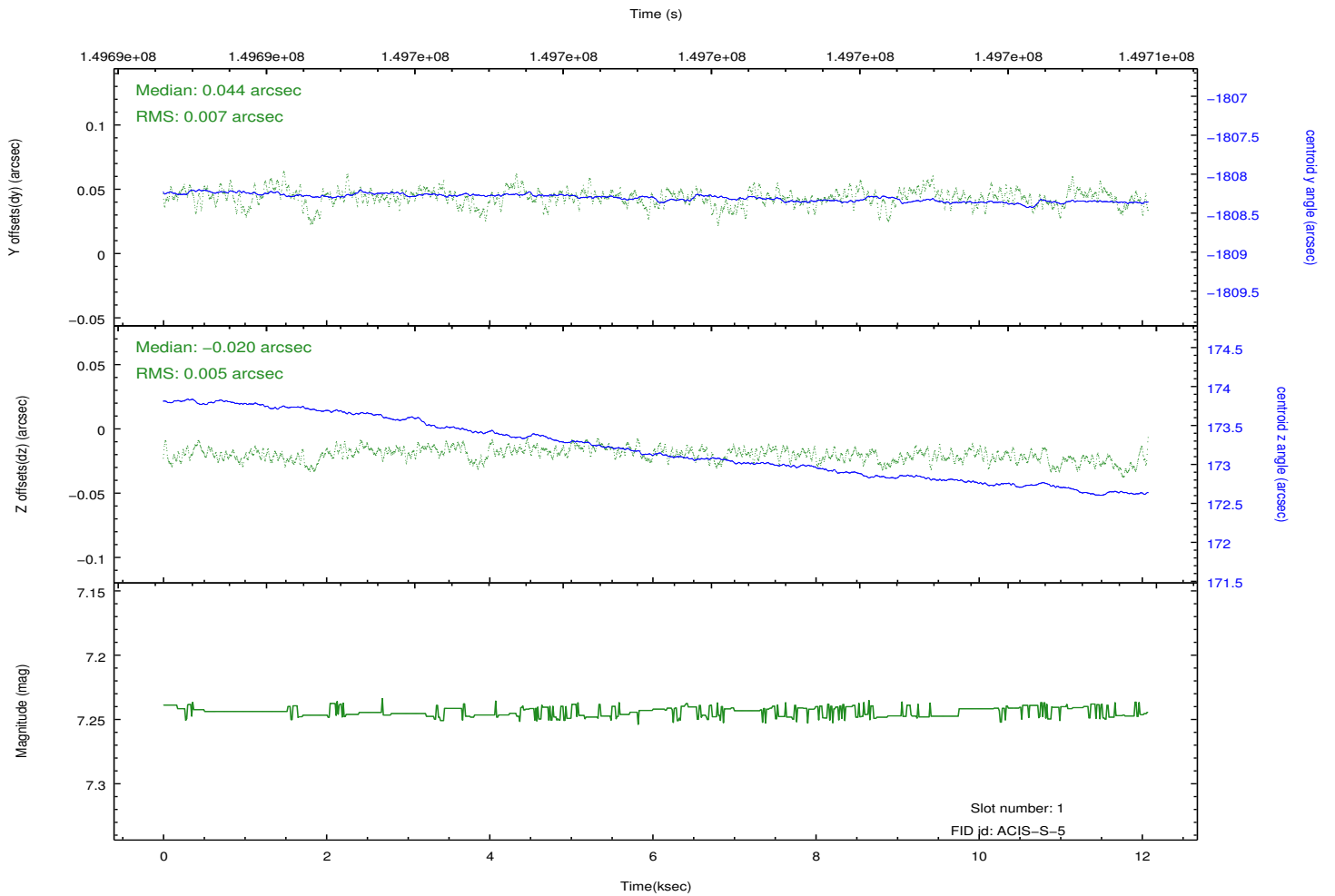
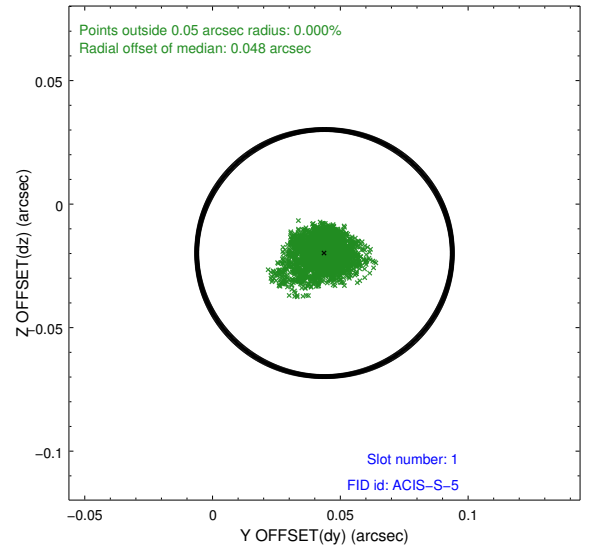
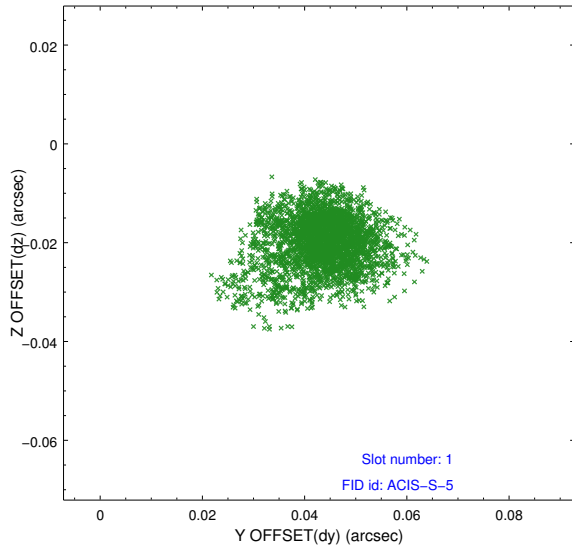


## 2.5 FID Slots

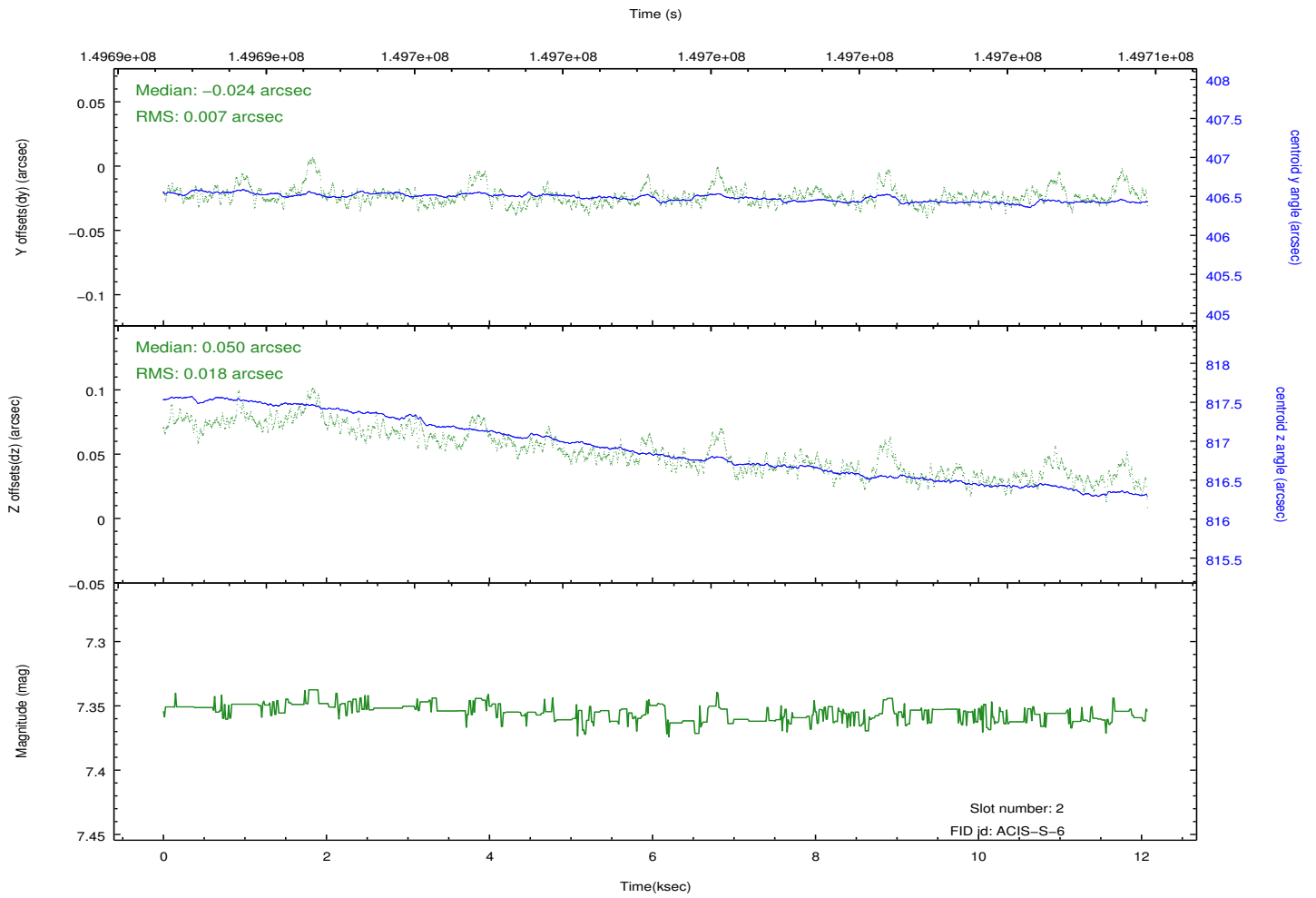
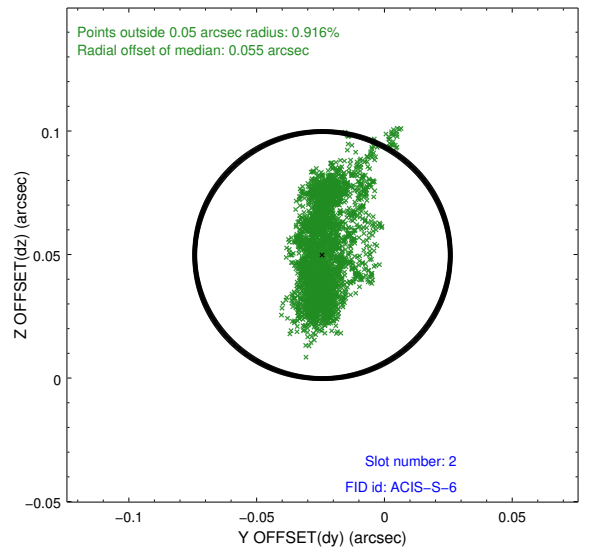
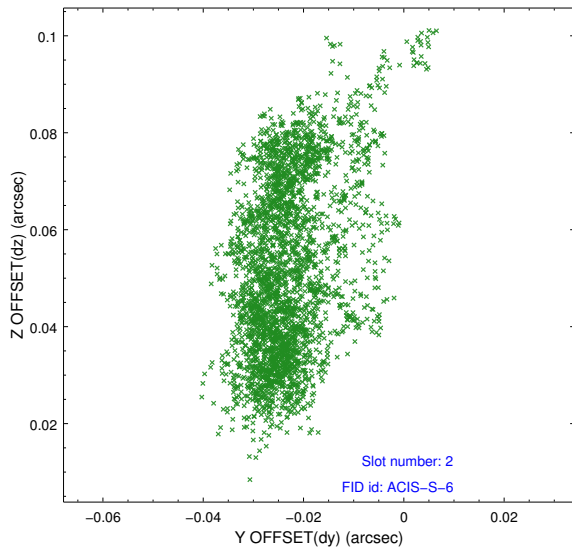
### 2.5.1 Slot 0



## 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)	2012.10.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.789

## A.2 Comments