

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 5246 - L2 Version 3  
Chandra X-Ray Center

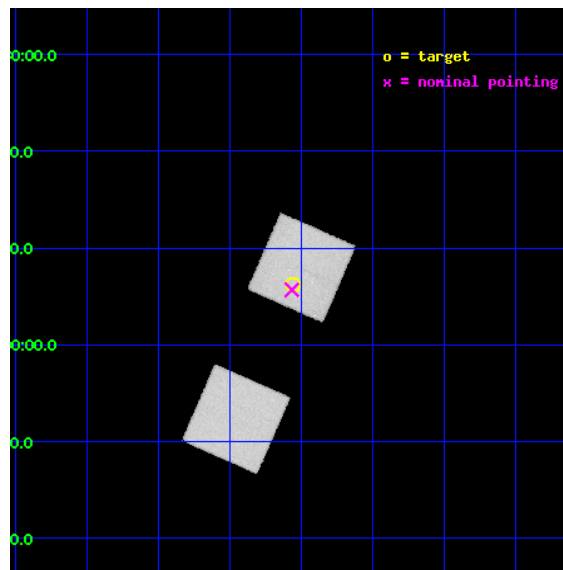
L2 Processing Date : Nov 7 2012

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Bias . . . . .	3
2.1.3	Parameters . . . . .	4
2.1.4	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	9
2.4.1	Slot 3 . . . . .	9
2.4.2	Slot 4 . . . . .	10
2.4.3	Slot 5 . . . . .	11
2.4.4	Slot 6 . . . . .	12
2.4.5	Slot 7 . . . . .	13
2.5	FID Slots . . . . .	14
2.5.1	Slot 0 . . . . .	14
2.5.2	Slot 1 . . . . .	15
2.5.3	Slot 2 . . . . .	16
<b>A</b>	<b>Summary</b>	<b>17</b>
A.1	Status . . . . .	17
A.2	Comments . . . . .	17

# 1 Front

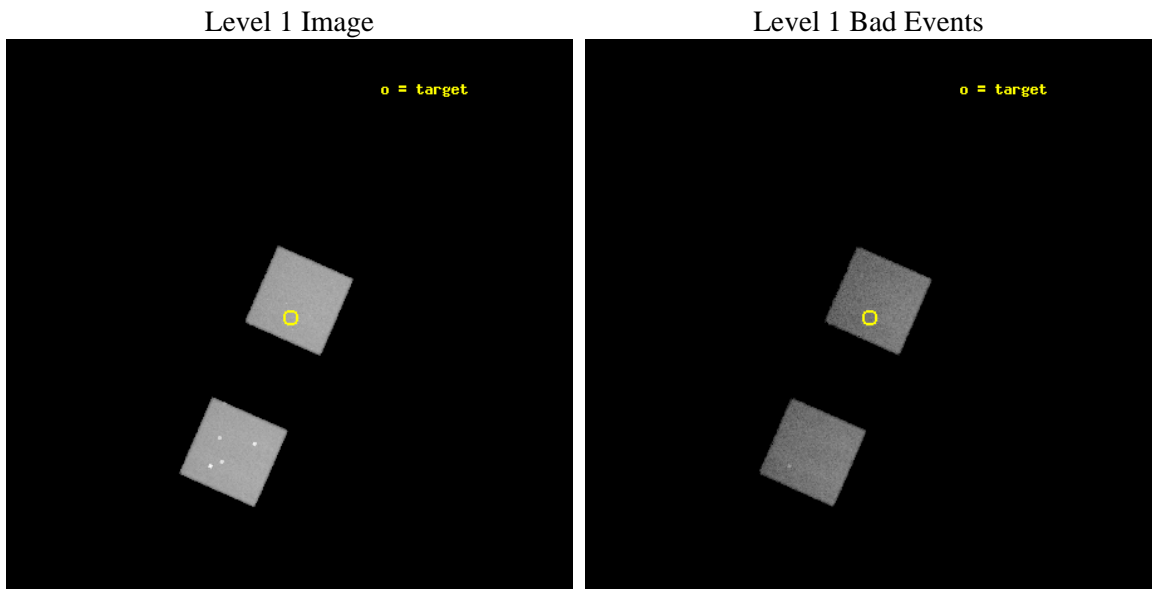
seq_num	500499	Sequence number
obs_id	5246	Observation id
title	SN 2003jd; A GRB-like hypernova	Proposal title
observer	Dr. Darach Watson	Principal investigator
object	SN 2003jd	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.264167	Observer's specified target RA [deg]
dec_targ	-4.895972	Observer's specified target Dec [deg]
ra_nom	350.26644120307	Nominal RA [deg]
dec_nom	-4.9053849018951	Nominal Dec [deg]
roll_nom	293.64001592602	Nominal Roll [deg]
revision	3	Processing version of data
ontime	25508.498661786	Sum of GTIs [s]
livetime	25164.25169855	Livetime [s]
ontime5	25508.457621783	Sum of GTIs [s]
ontime7	25508.498661786	Sum of GTIs [s]
l2events	239833	Number of level 2 events



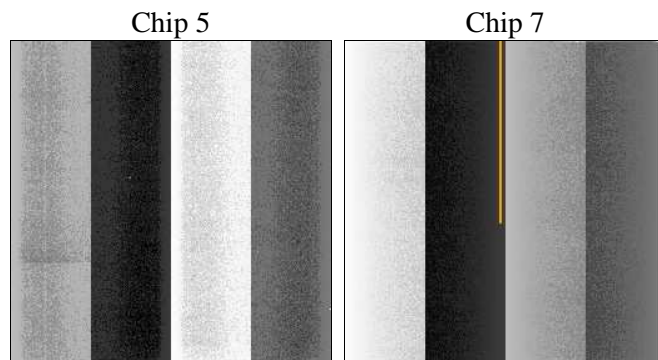
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	25508.498661786	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime5	25508.457621783	Sum of GTIs [s]
date	2012-11-07T22:59:54	Date and time of file creation	ontime7	25508.498661786	Sum of GTIs [s]
revision	3	Processing version of data	l1events	503077	Number of level 1 events

### 2.1.4 Events

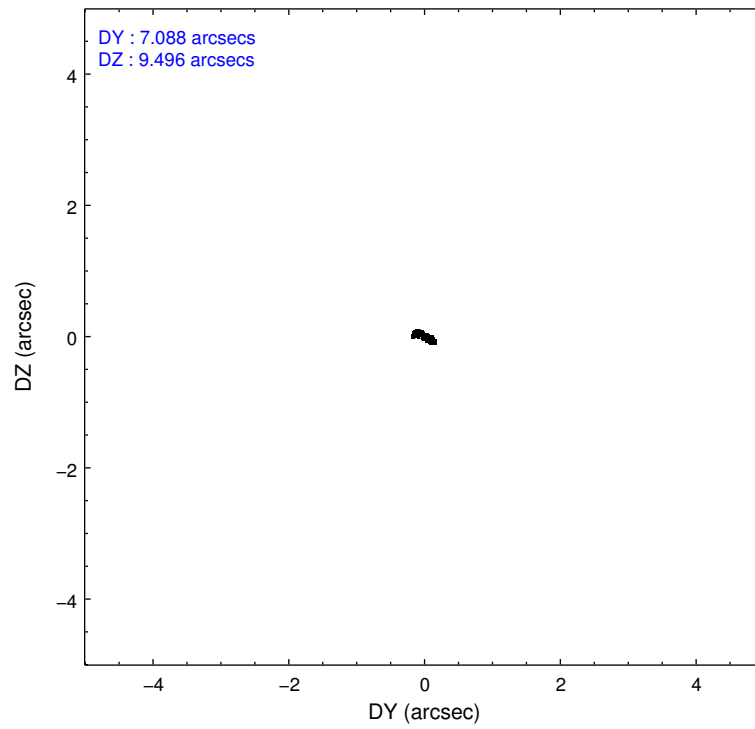
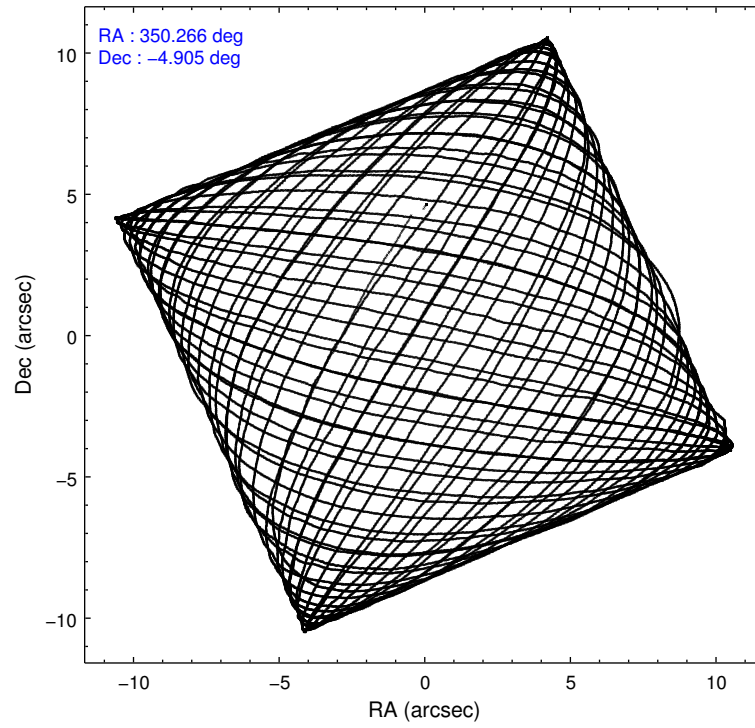
	ccd 5	ccd 7
level 1 events	269718	233359
rejected events	121911	117116
rejected %	45%	50%

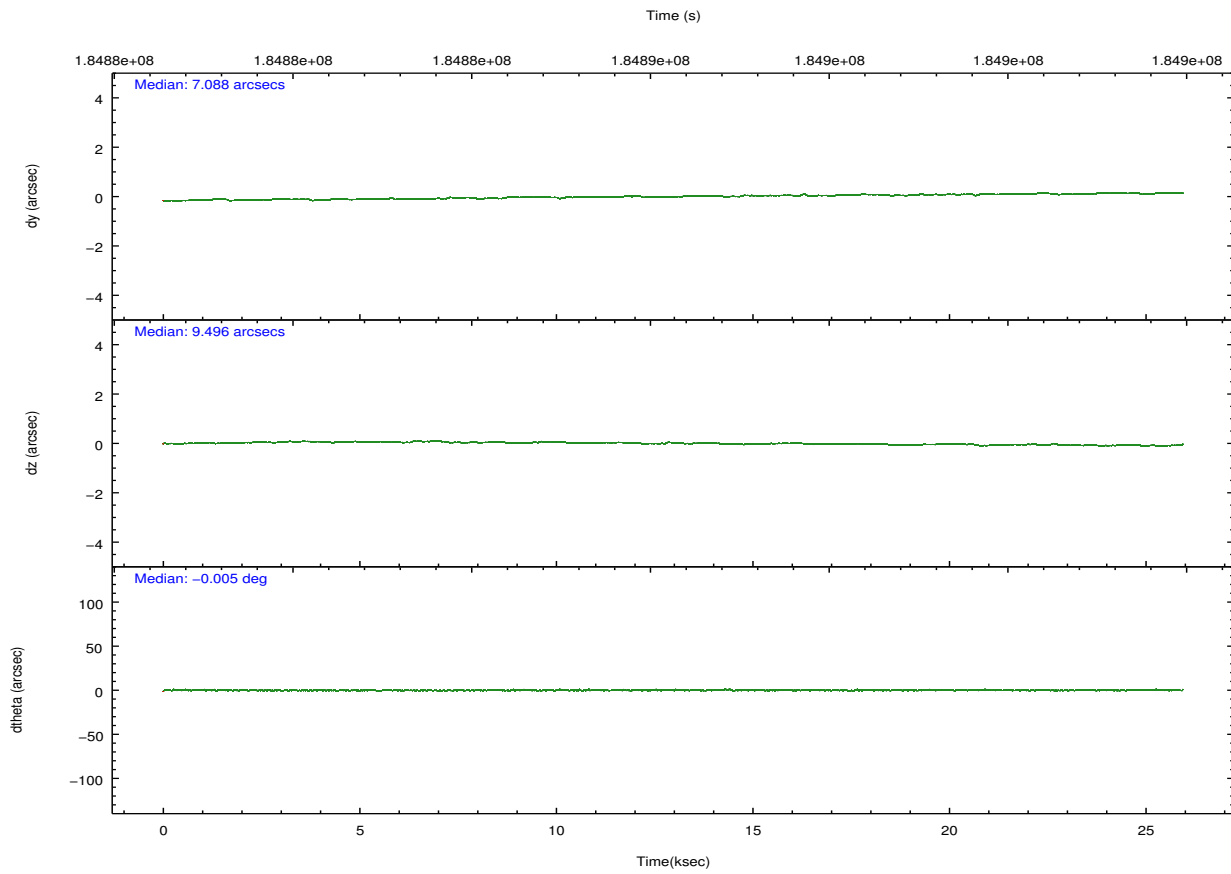
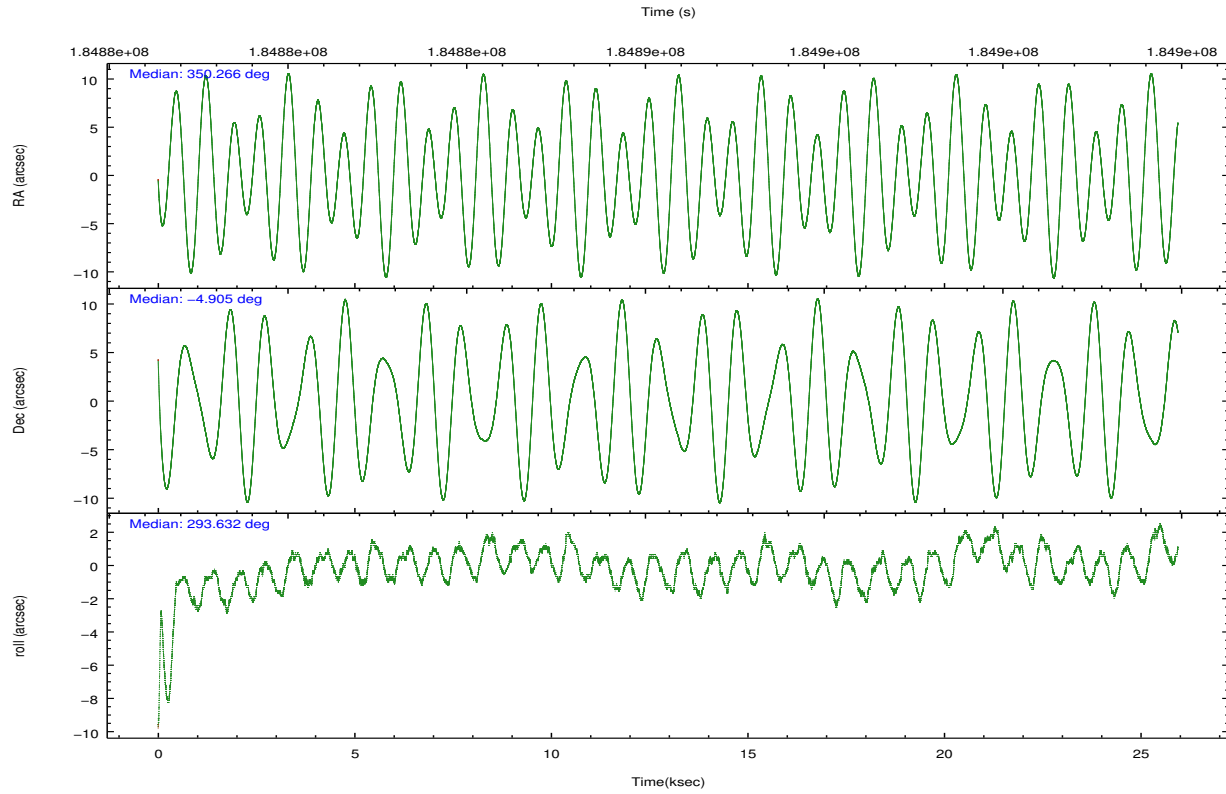
	ccd 5	ccd 7
grade 0 events	24206	11782
	8%	5%
grade 1 events	625	170
	0%	0%
grade 2 events	45693	22198
	16%	9%
grade 3 events	6408	10000
	2%	4%
grade 4 events	6138	9886
	2%	4%
grade 5 events	17130	19294
	6%	8%
grade 6 events	65401	62402
	24%	26%
grade 7 events	104117	97627
	38%	41%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-57	ACIS-57	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	350.244214	350.266441203075	Subarray requested	NONE	NONE
[deg] Pointing Dec	-4.889524	-4.905384901895085	Alternating exposures requested	N	N
[deg] Pointing Roll	293.481490	293.6400159260222	[s] Primary exposure time	0.000000	3
[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)	184878603.184000	184877264.35592			
Observation start date	2003-11-10T19:08:59	2003-11-10T18:47:44			
[s] Observation end time (MET)	184903603.184000	184904649.79461			
Observation end date	2003-11-11T02:05:39	2003-11-11T02:24:09			
Read mode	TIMED	TIMED			

## 2.3 Aspect



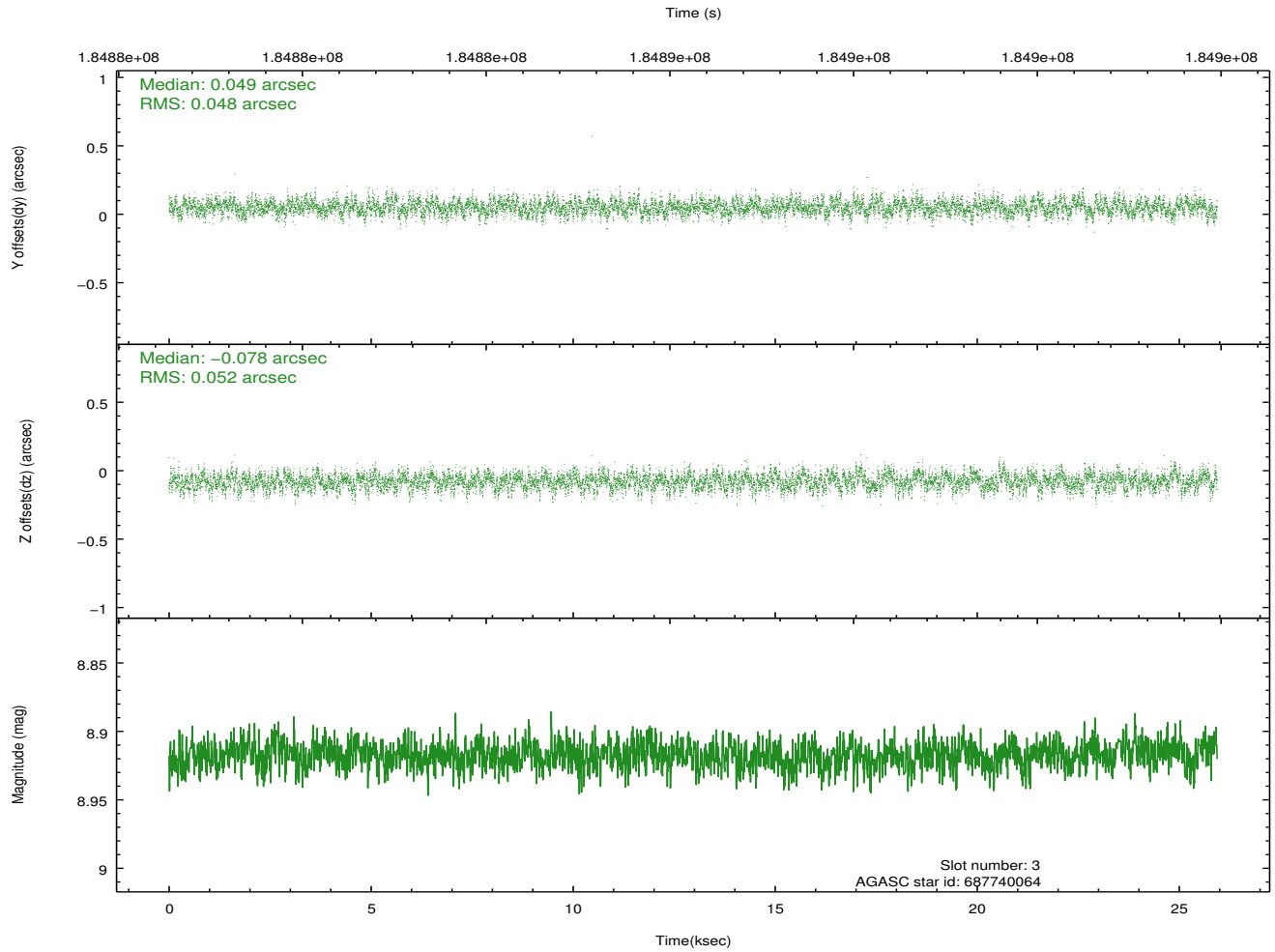
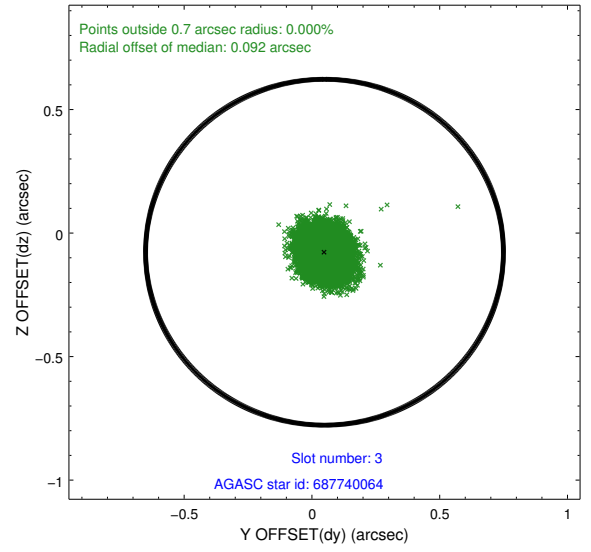
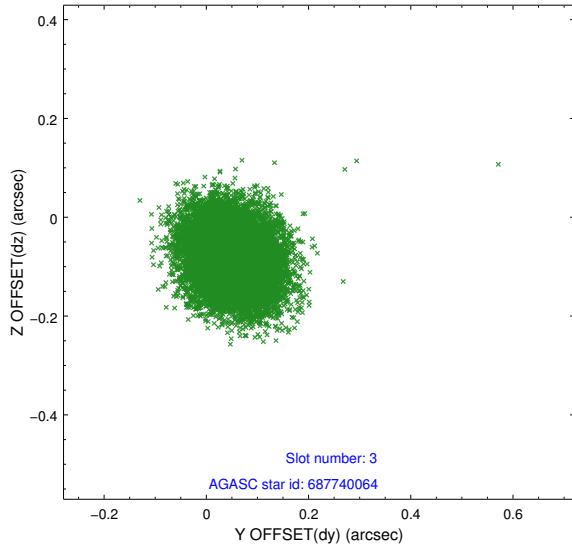


### Slot Statistics

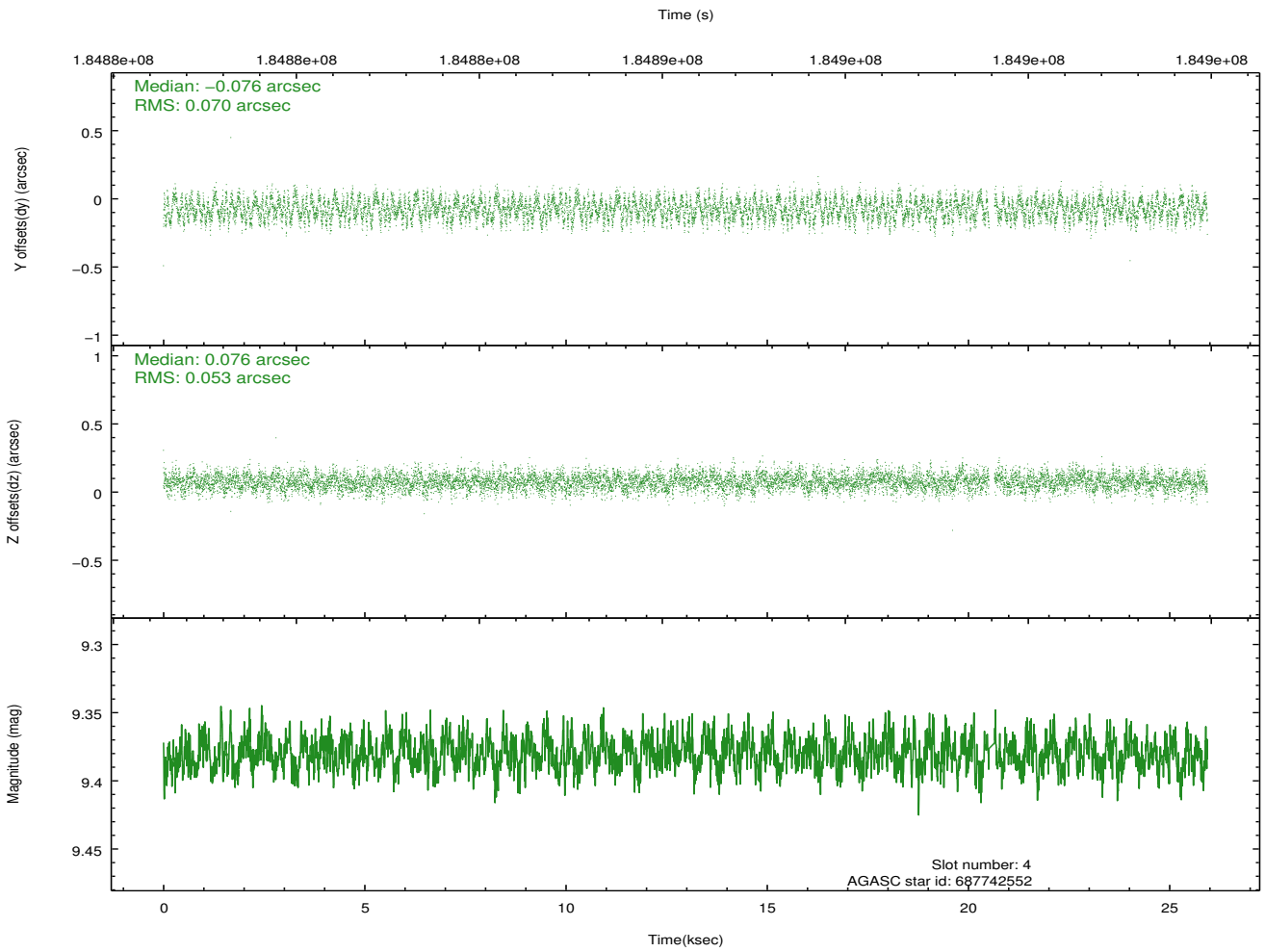
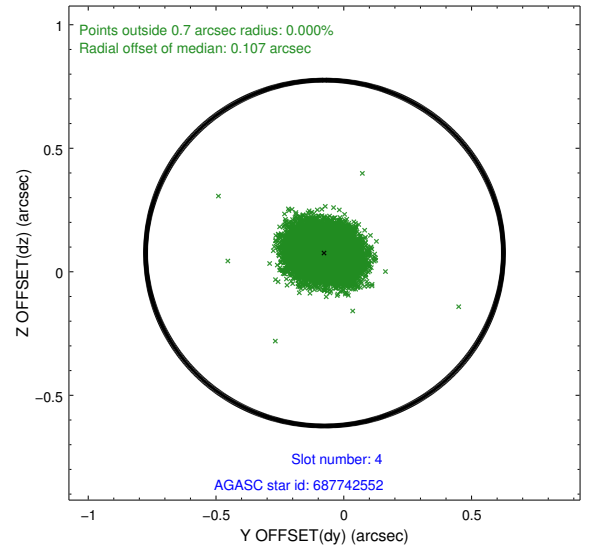
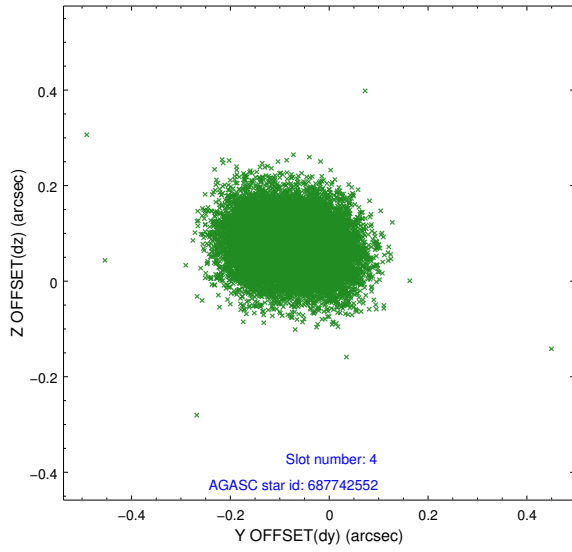
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	6328	-0.036	-0.019	0.007	0.012	0.000000	0.000000	-759.85	-1730.75
1	FID	ACIS-S-4	7.20	6328	0.057	0.022	0.006	0.011	0.000000	0.000000	2153.44	177.69
2	FID	ACIS-S-5	7.23	6328	-0.052	0.005	0.008	0.014	0.000000	0.000000	-1812.59	171.42
3	GUIDE	687740064	8.92	12649	0.049	-0.078	0.075	0.121	350.270836	-4.770901	-353.12	257.95
4	GUIDE	687742552	9.38	12586	-0.076	0.076	0.095	0.147	350.686451	-4.348161	-1154.73	2232.52
5	GUIDE	687743592	7.20	12655	-0.070	0.010	0.064	0.104	350.339754	-4.672765	-579.07	625.52
6	GUIDE	688004016	8.71	12654	-0.043	-0.113	0.080	0.124	349.711754	-5.099605	-65.99	-2052.61
7	GUIDE	688133432	9.36	12641	0.134	0.106	0.092	0.147	350.706750	-5.036390	1146.61	1311.03

## 2.4 Star Slots

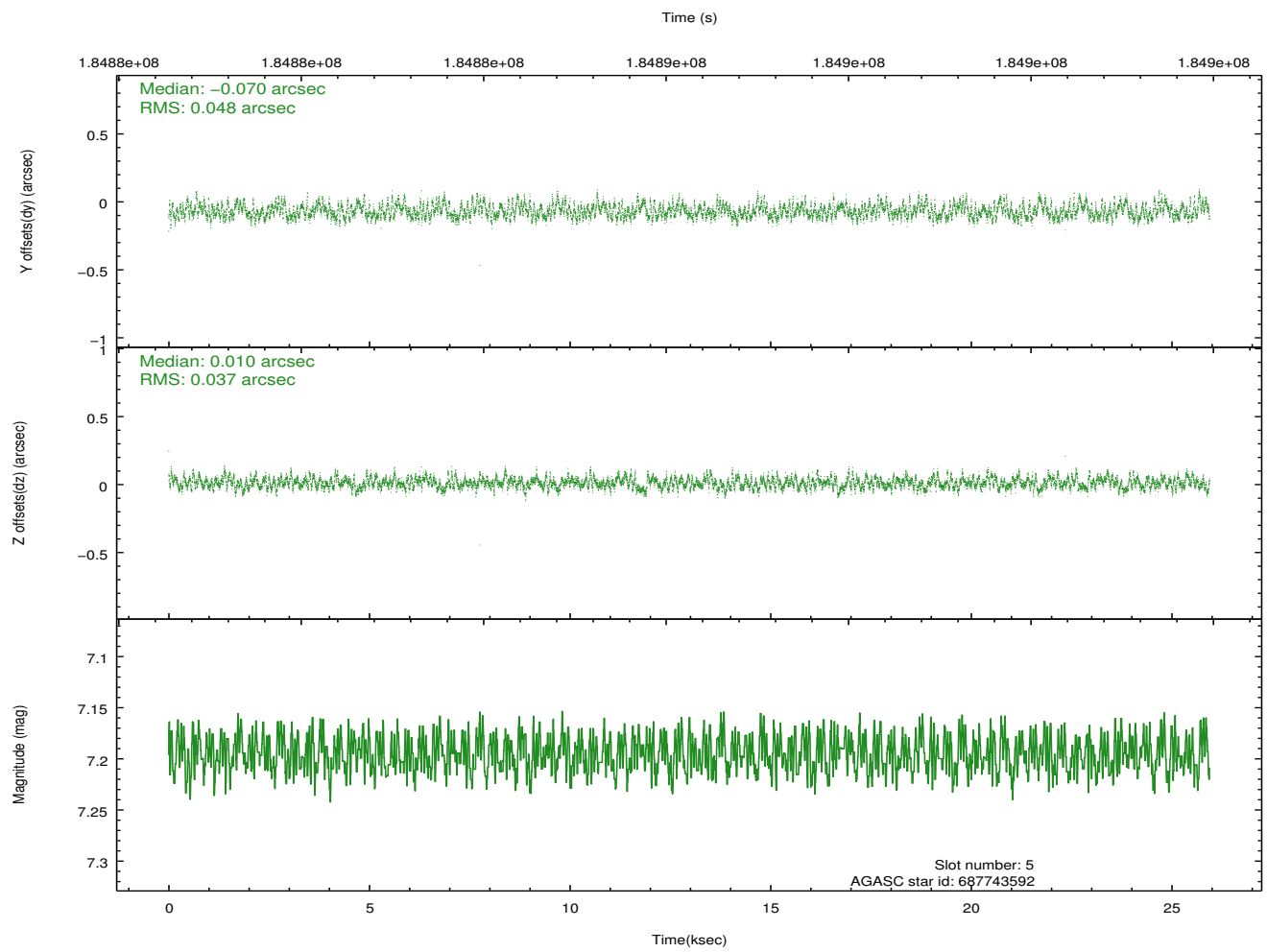
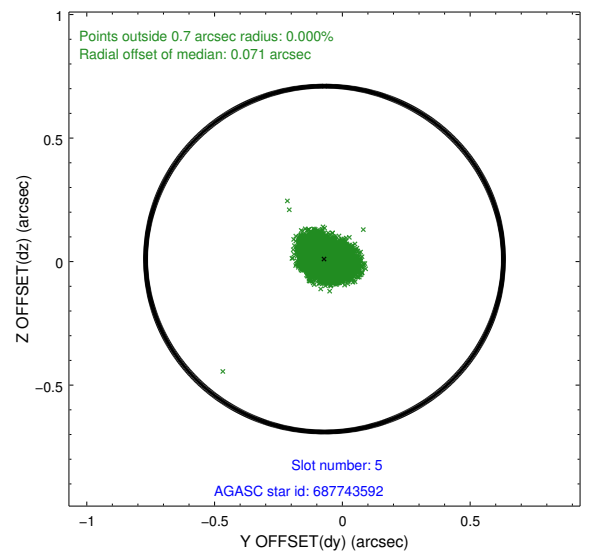
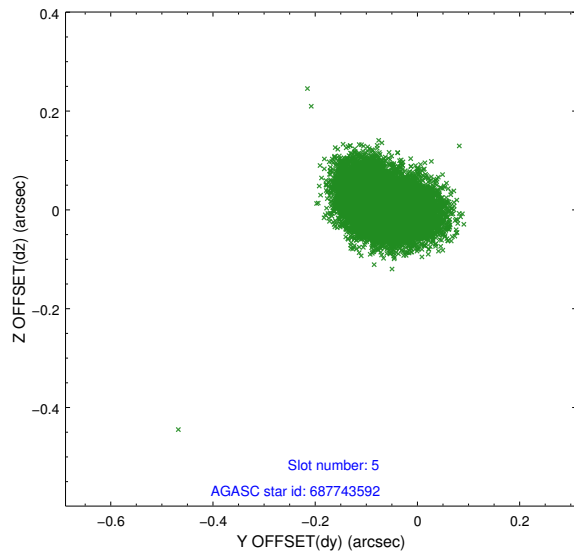
### 2.4.1 Slot 3



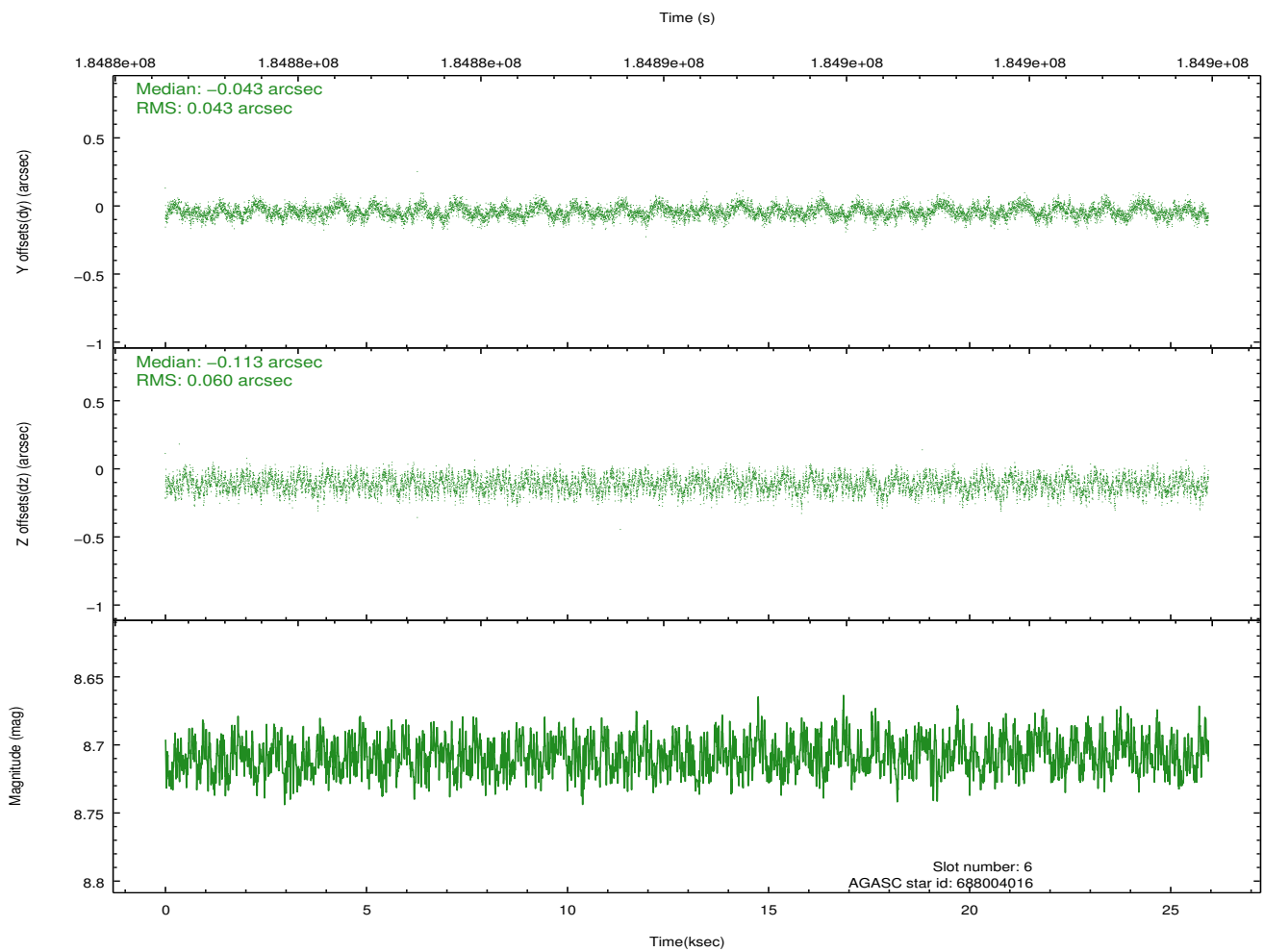
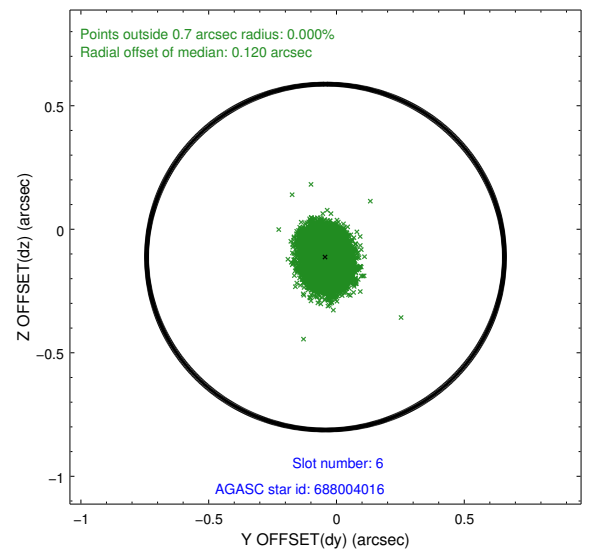
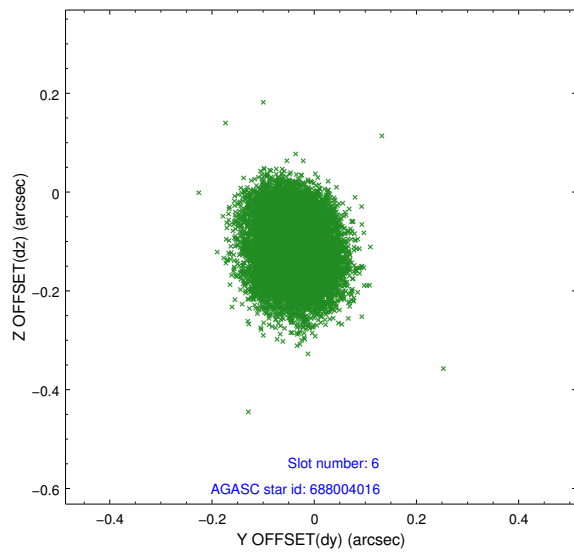
## 2.4.2 Slot 4



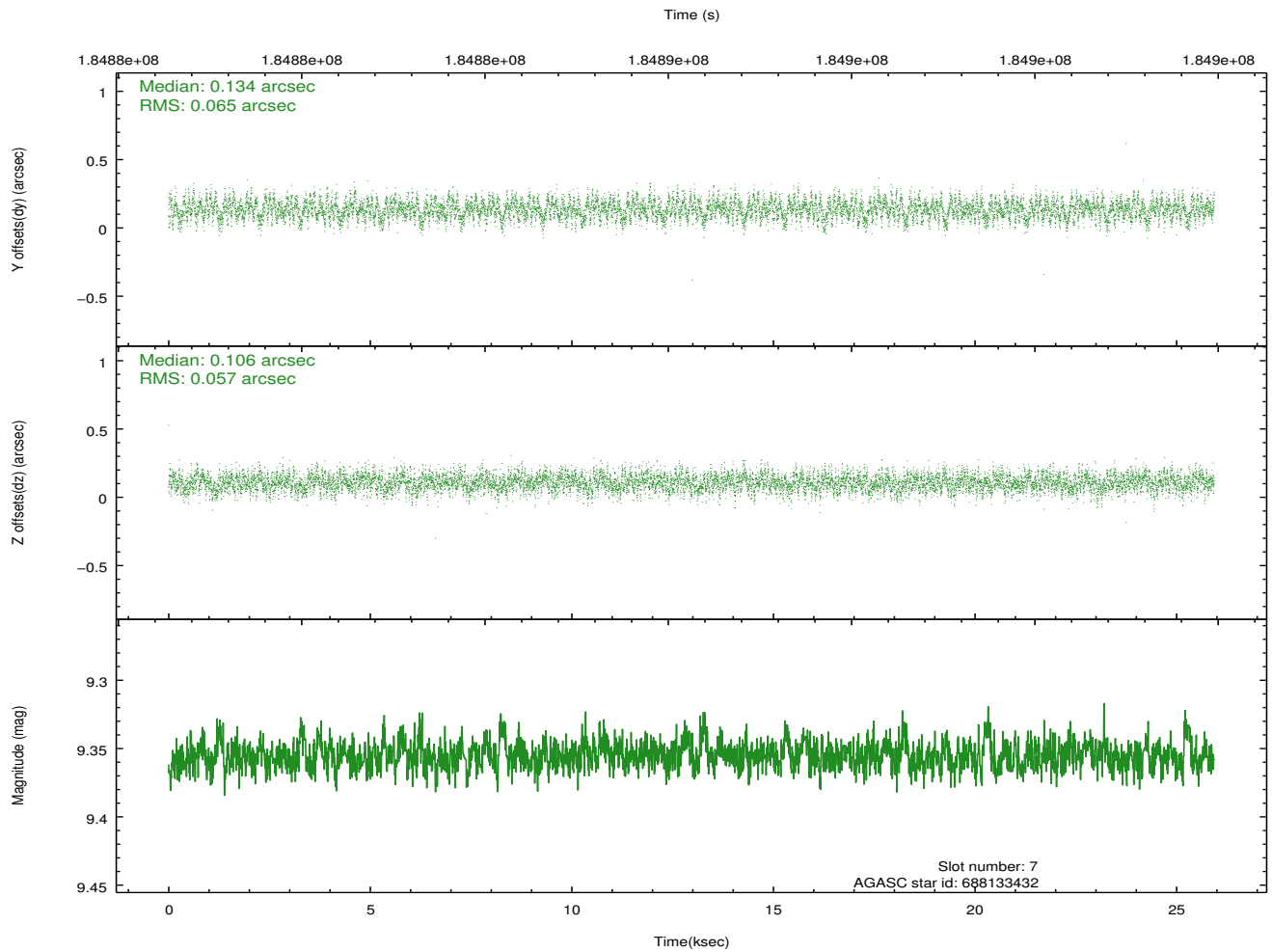
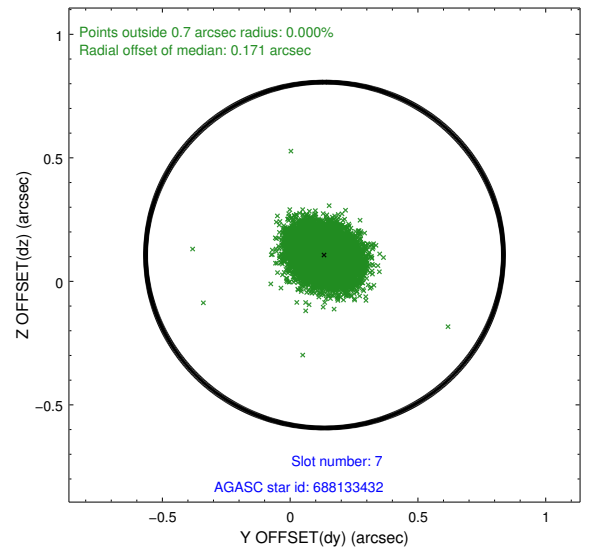
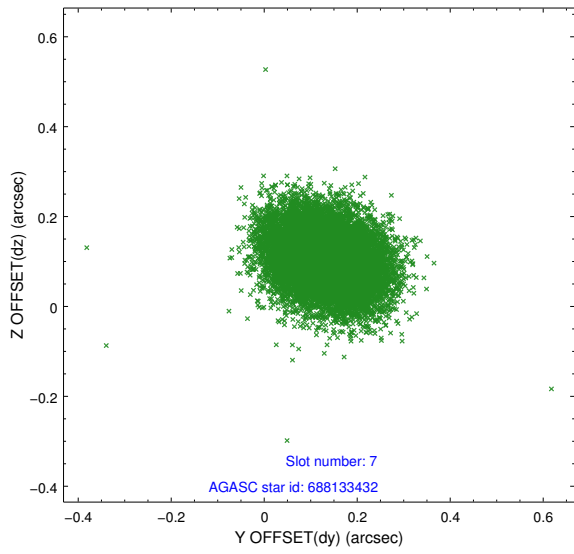
### 2.4.3 Slot 5



## 2.4.4 Slot 6

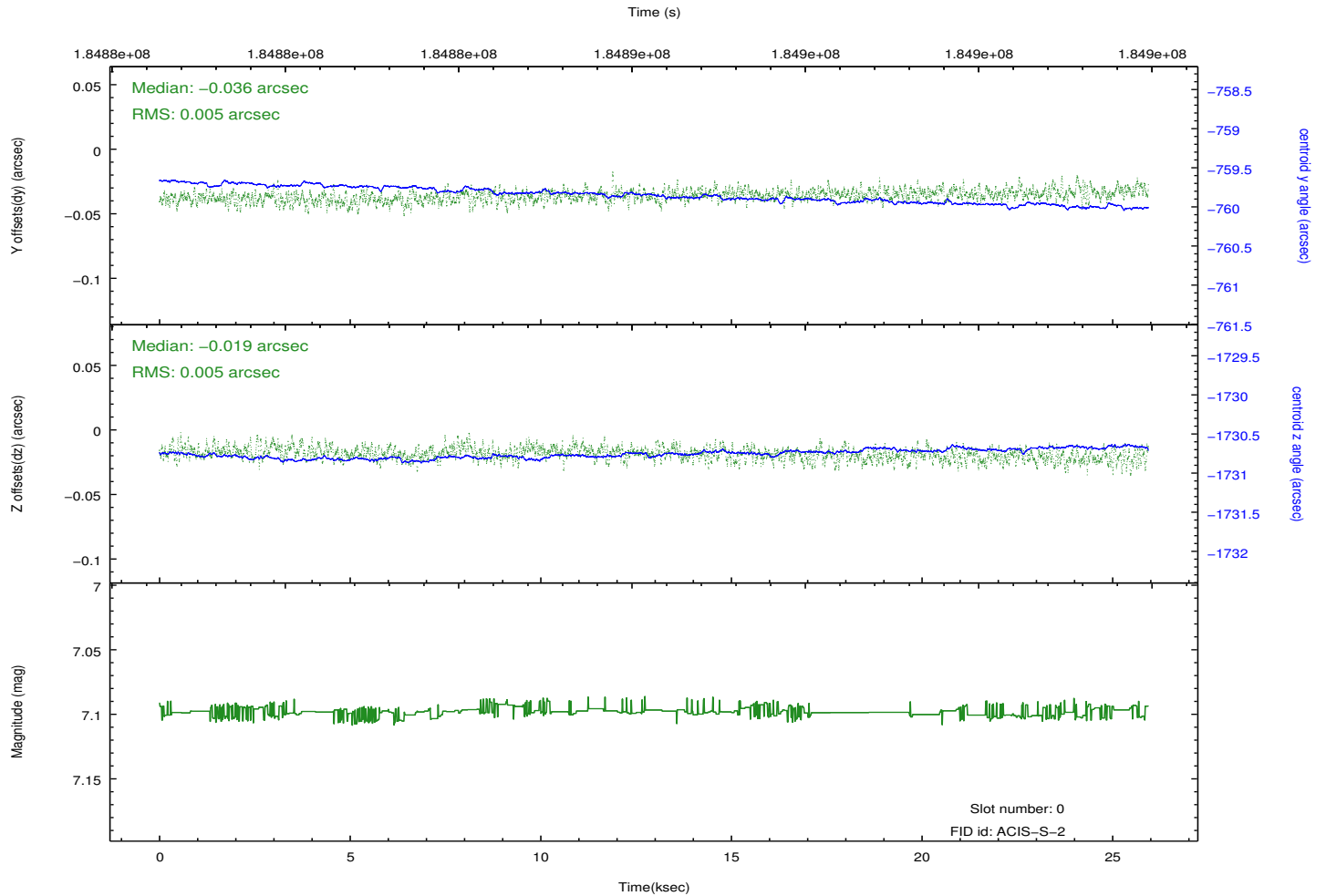
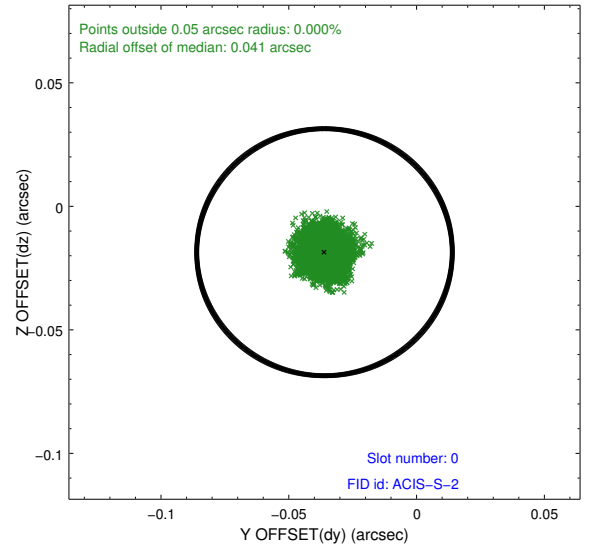
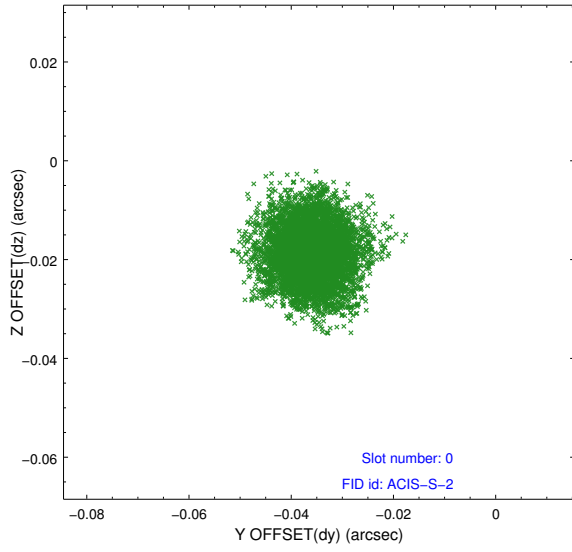


## 2.4.5 Slot 7

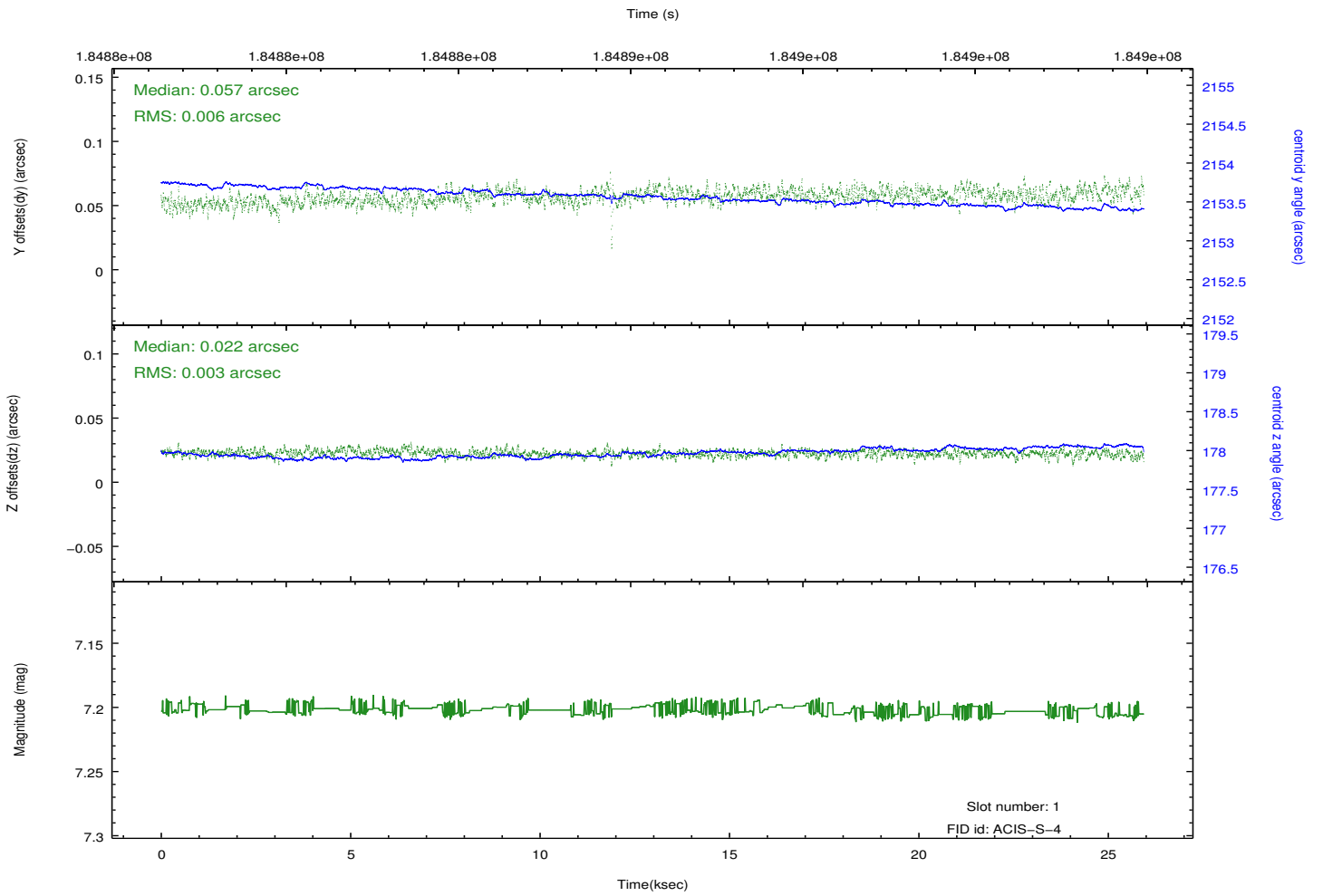
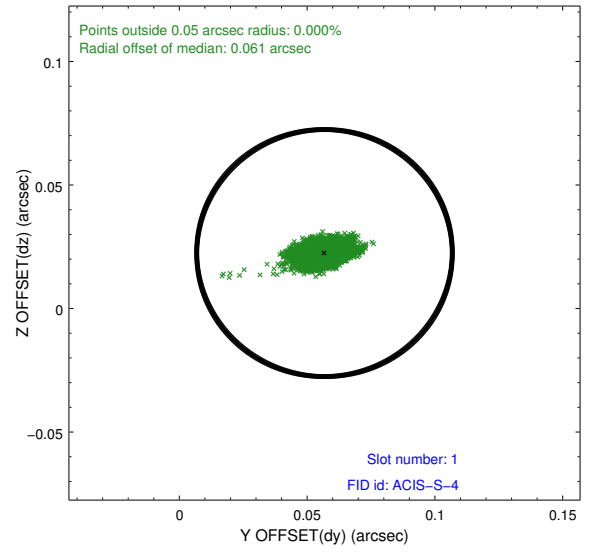
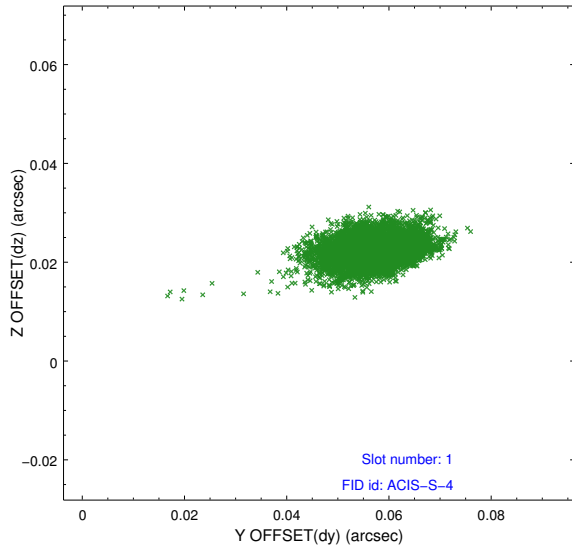


## 2.5 FID Slots

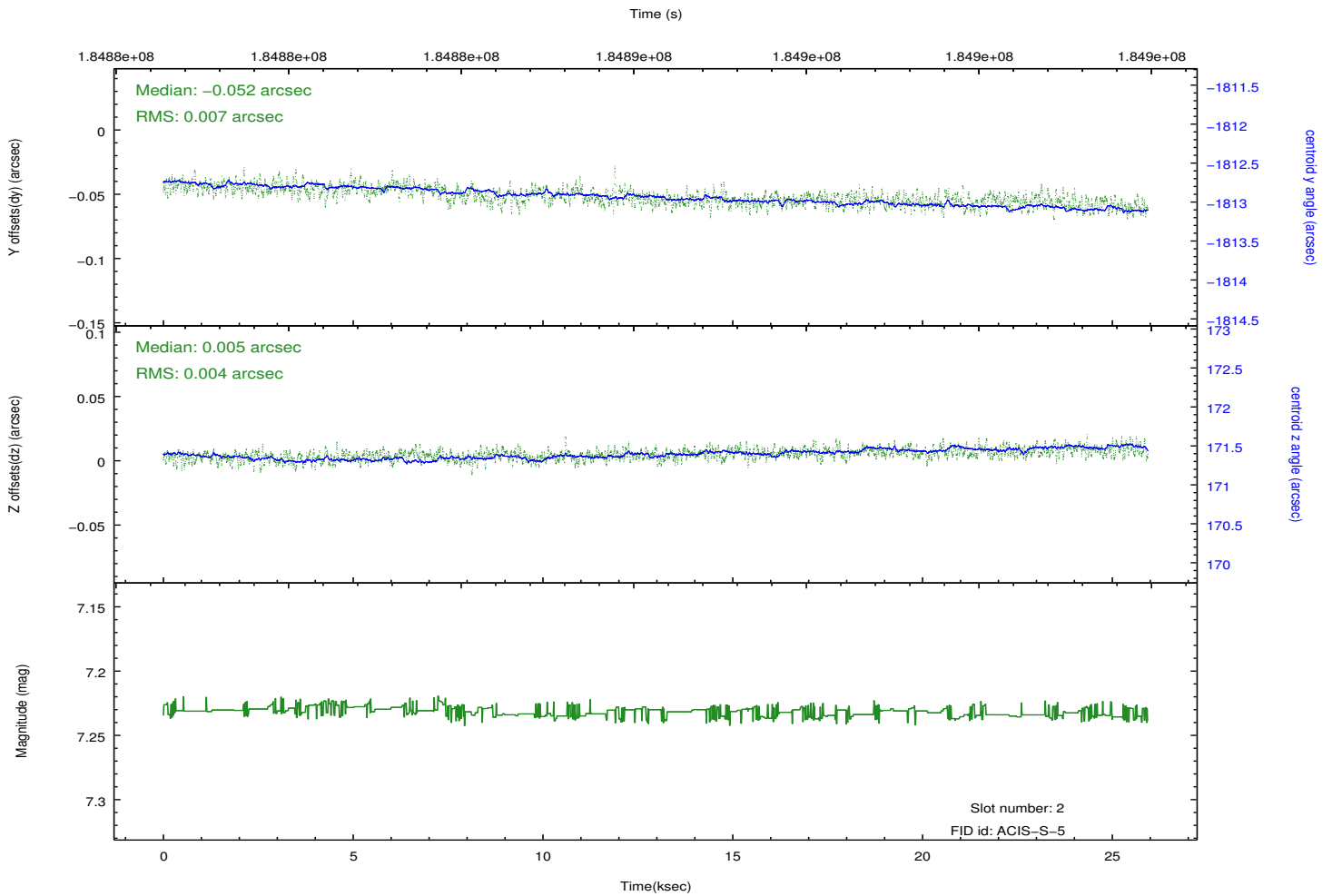
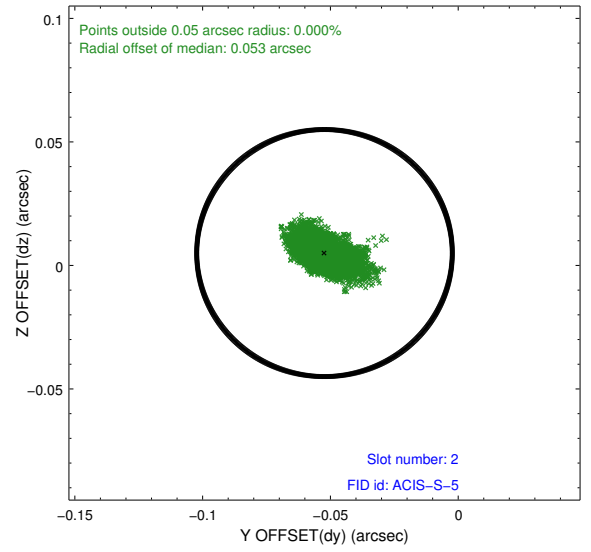
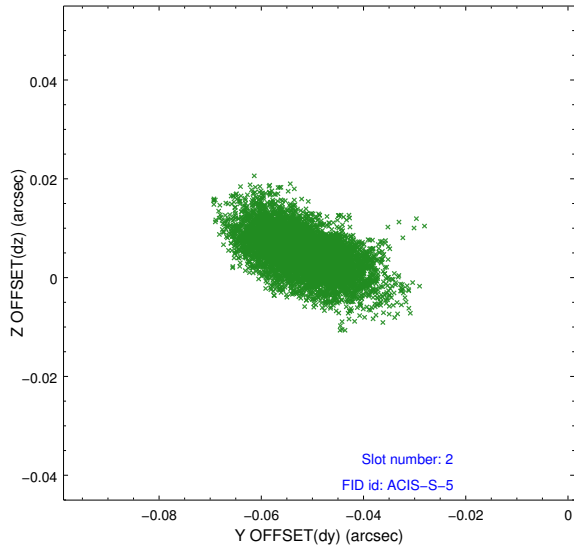
### 2.5.1 Slot 0



## 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)	2012.11.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.509

## A.2 Comments