

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 5687 - L2 Version 3  
Chandra X-Ray Center

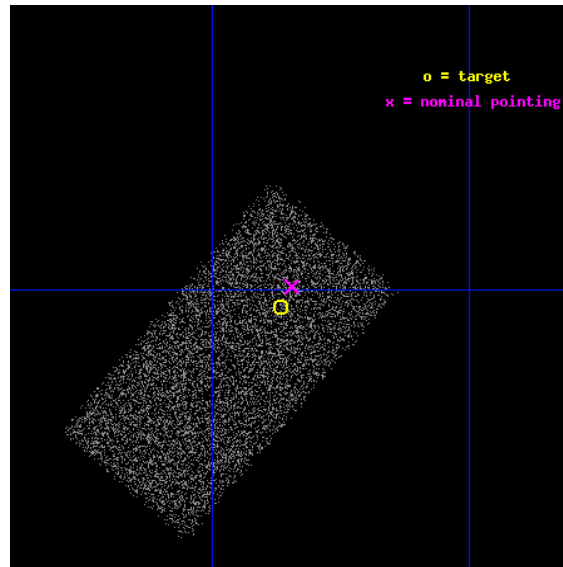
L2 Processing Date : Dec 20 2012

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# 1 Front

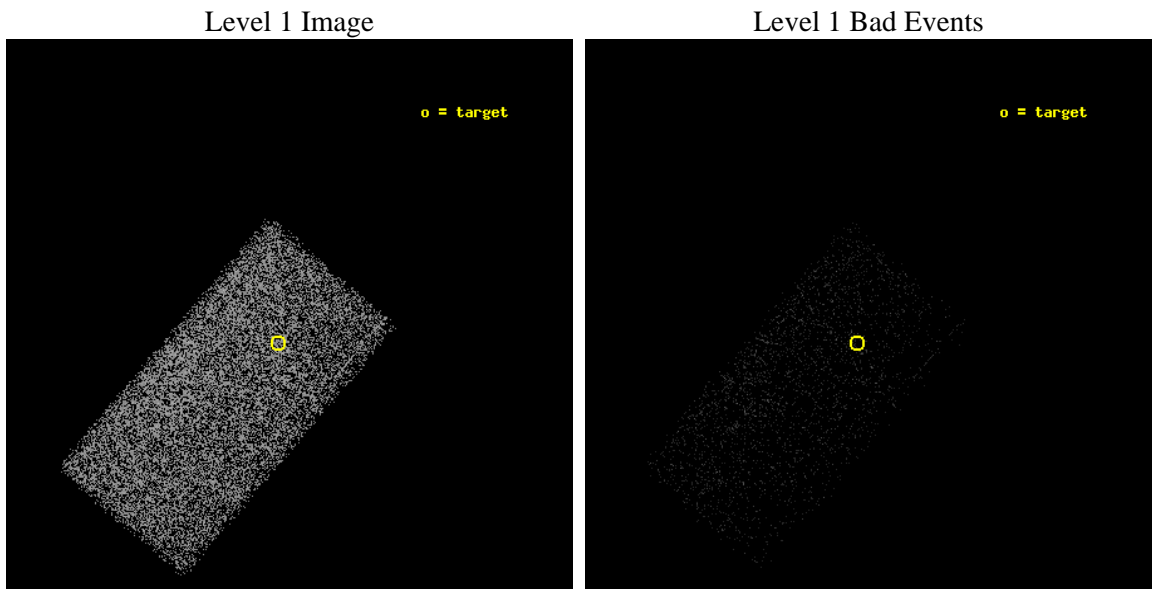
seq_num	701110	Sequence number
obs_id	5687	Observation id
title	Bringing in the Last SHEEP	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AX J1426.8+2619	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	216.717083	Observer's specified target RA [deg]
dec_targ	26.326389	Observer's specified target Dec [deg]
ra_nom	216.71150220728	Nominal RA [deg]
dec_nom	26.334706262805	Nominal Dec [deg]
roll_nom	130.52753523904	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5179.5	Sum of GTIs [s]
livetime	5041.562840679	Livetime [s]
ontime7	5179.5	Sum of GTIs [s]
l2events	10995	Number of level 2 events



## 2 OBI

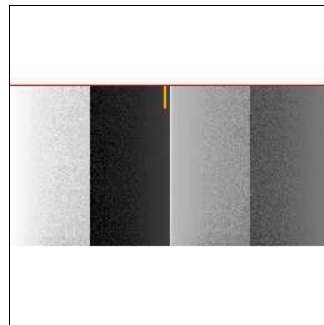
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	5179.5	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime7	5179.5	Sum of GTIs [s]
date	2012-12-21T01:10:53	Date and time of file creation	l1events	27498	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	27498
rejected events	16219
rejected %	58%

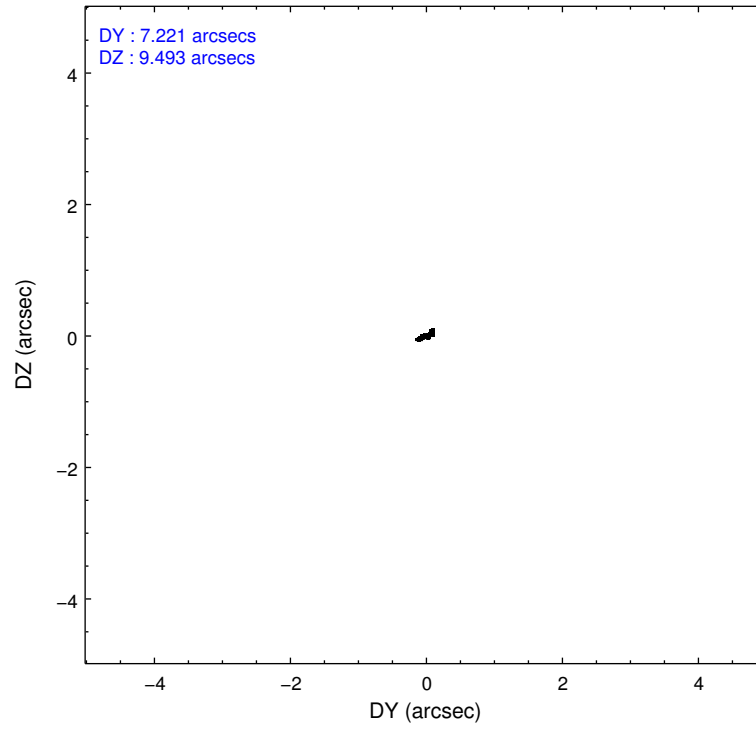
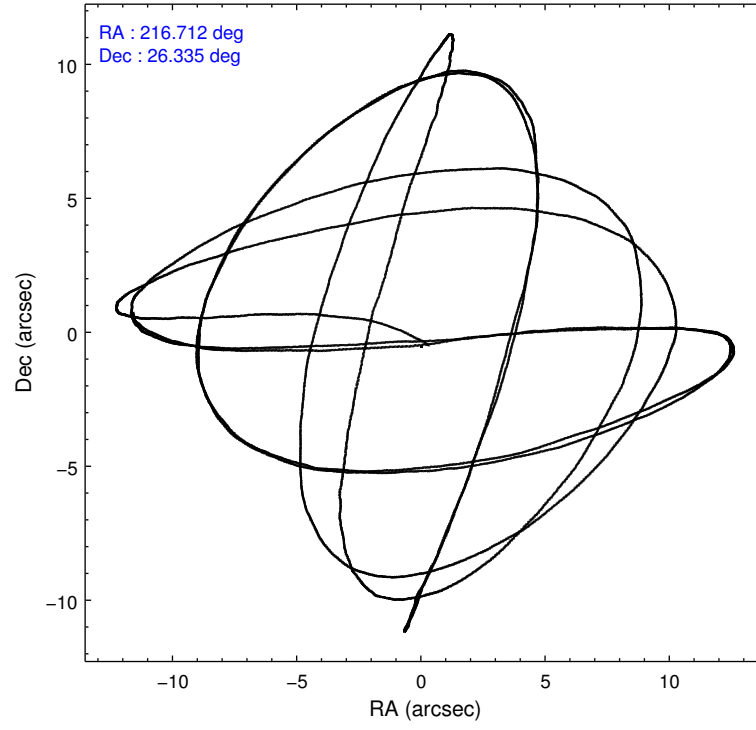
	<b>ccd 7</b>
grade 0 events	1142
	4%
grade 1 events	22
	0%
grade 2 events	2310
	8%
grade 3 events	1152
	4%
grade 4 events	1209
	4%
grade 5 events	2710
	9%
grade 6 events	6008
	21%
grade 7 events	12945
	47%

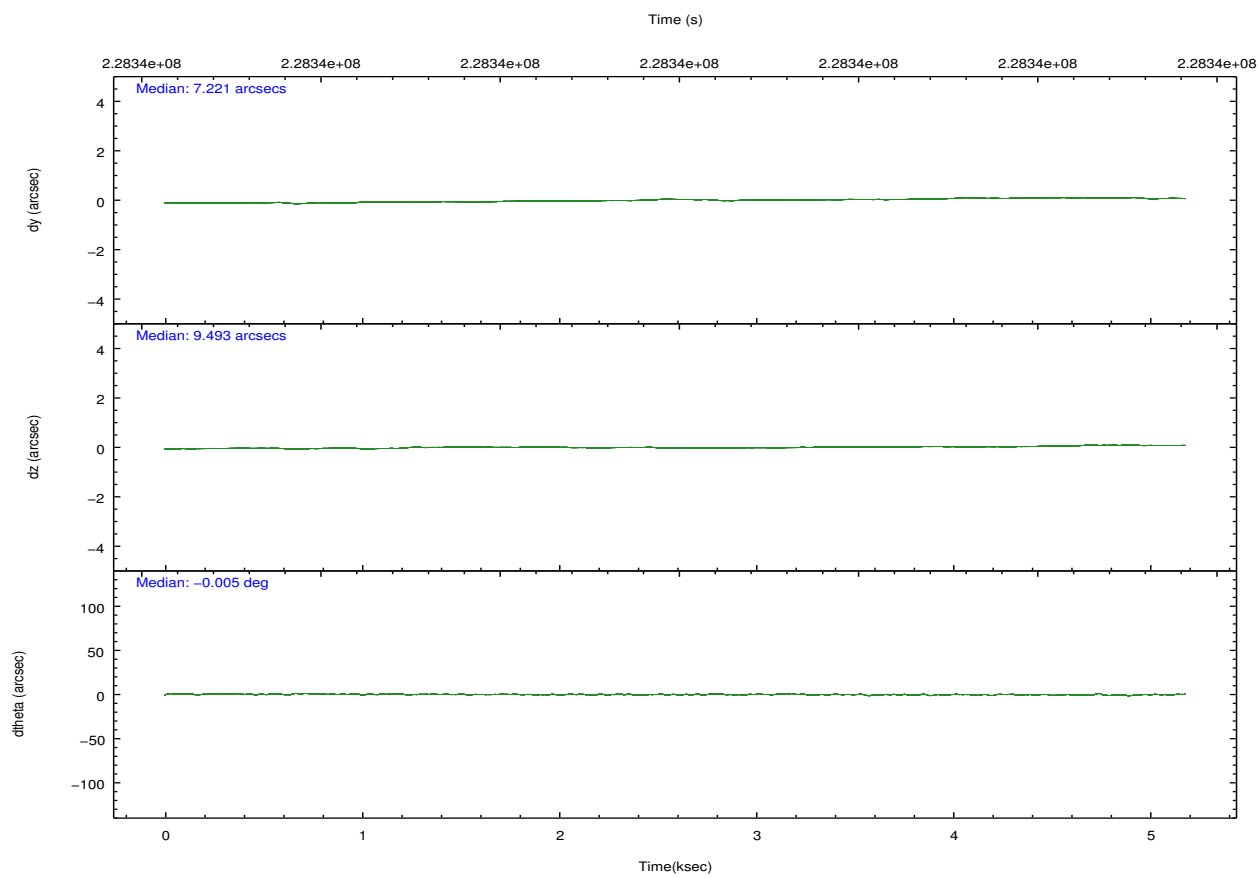
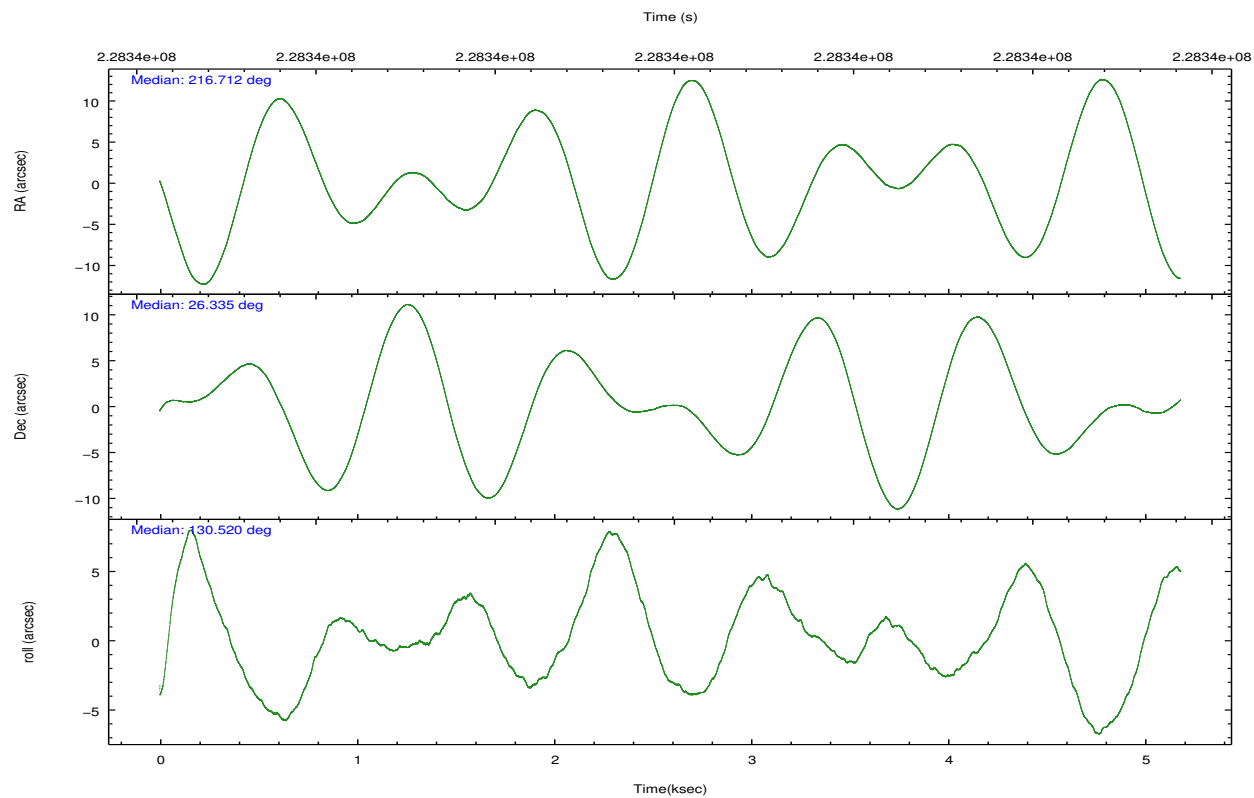
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	216.740399	216.7115022072757
[deg] Pointing Dec	26.325994	26.33470626280537
[deg] Pointing Roll	130.358087	130.5275352390365
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	228338561.184000	228337780.3223
Observation start date	2005-03-27T19:21:37	2005-03-27T19:09:40
[s] Observation end time (MET)	228343561.184000	228344175.81009
Observation end date	2005-03-27T20:44:57	2005-03-27T20:56:15
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/2
Subarray start row	257	257
Subarray row count	512	512
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	1.5

## 2.3 Aspect



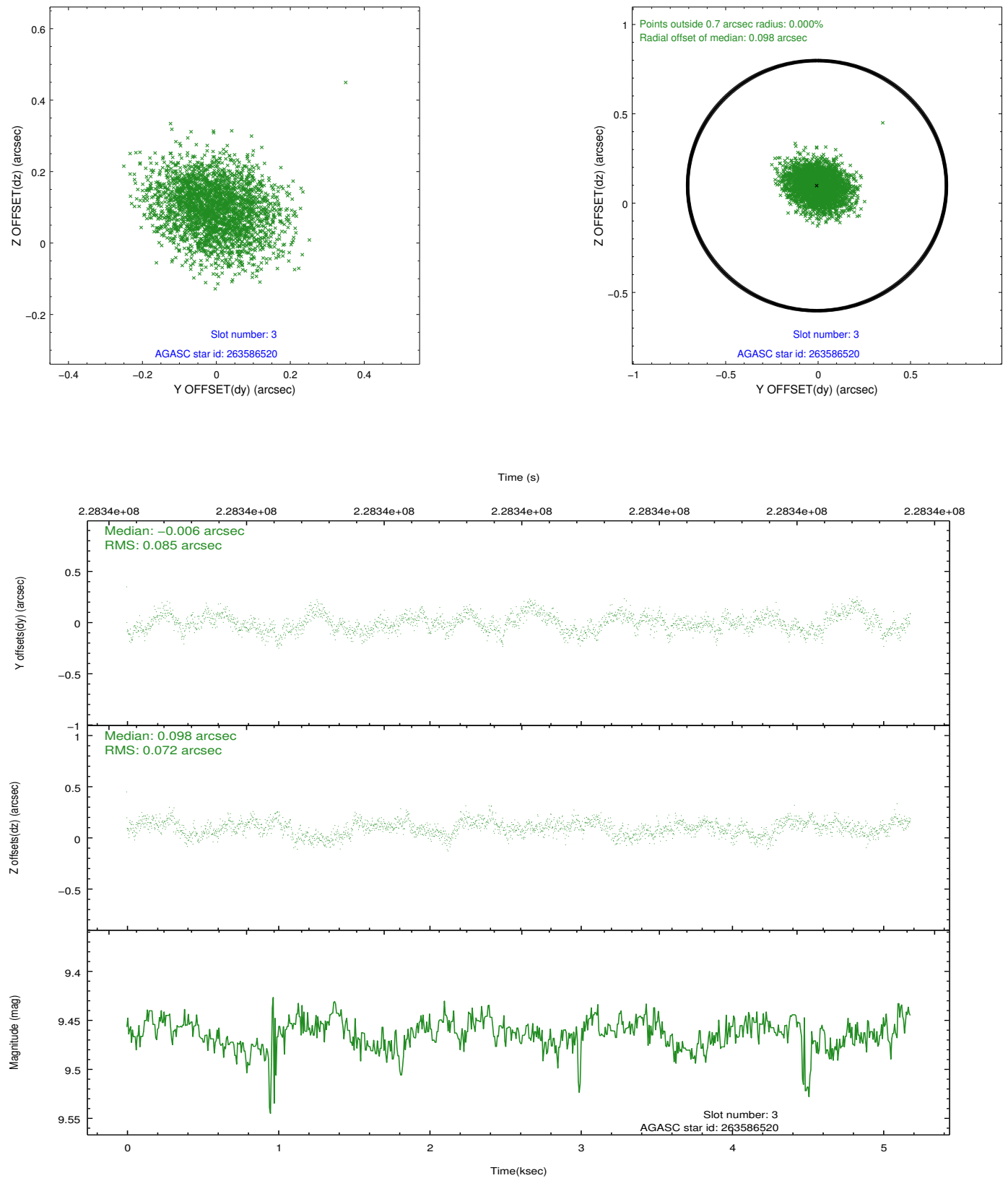


### Slot Statistics

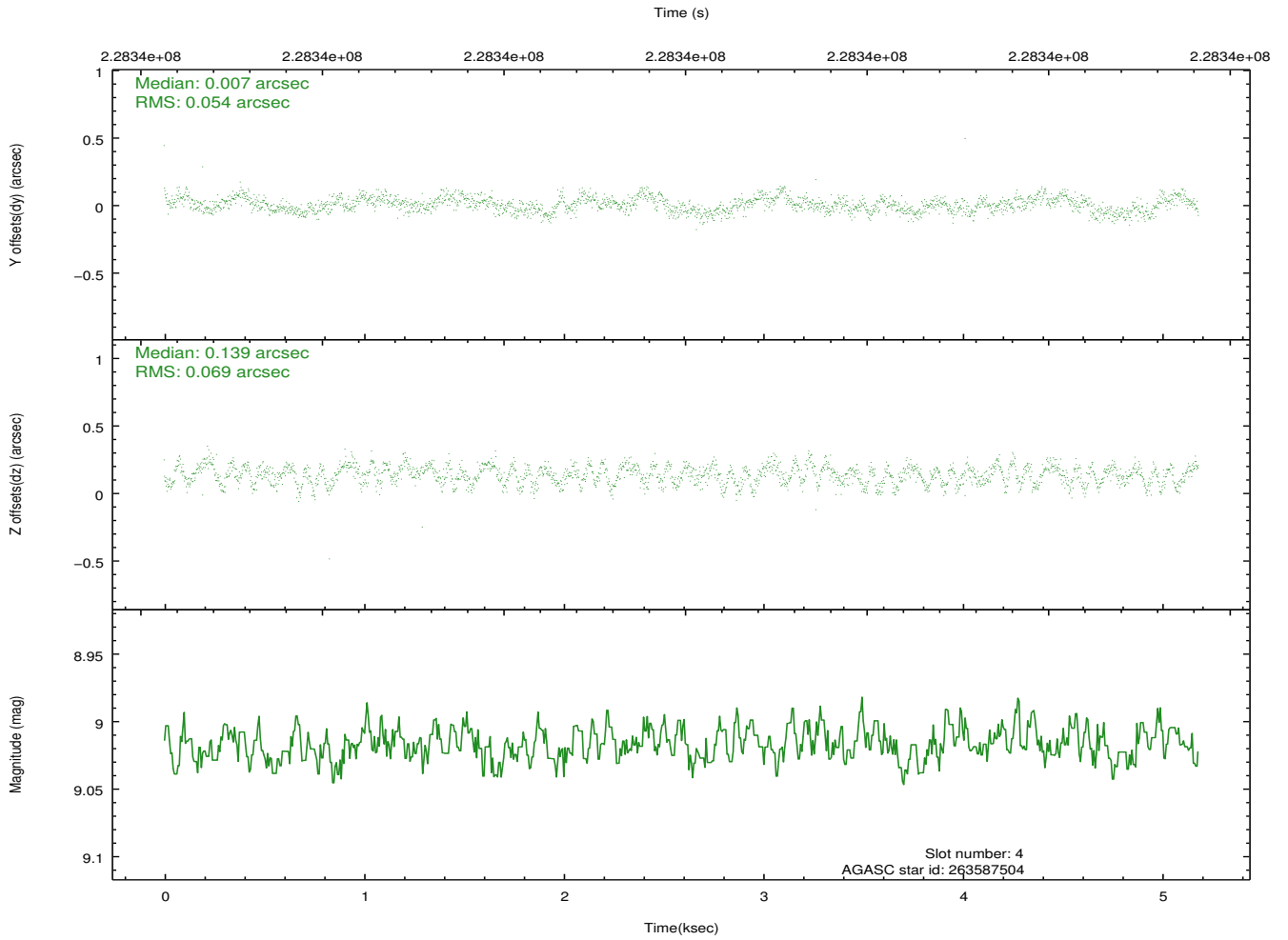
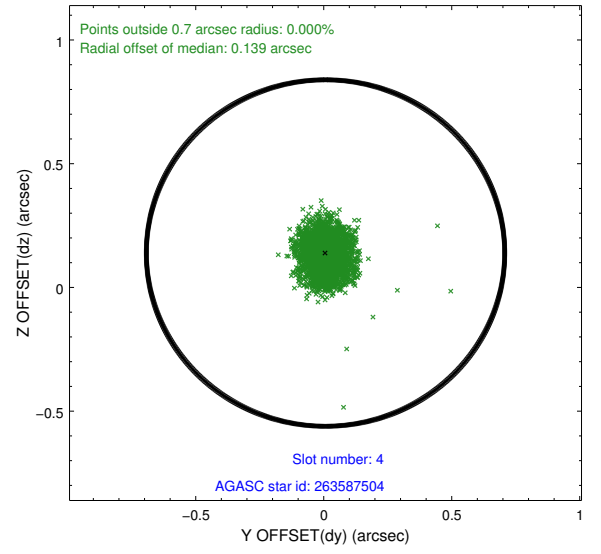
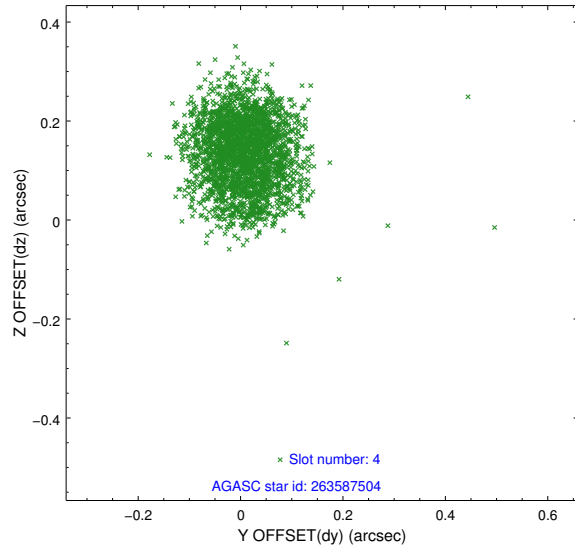
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1264	-0.045	-0.040	0.007	0.011	0.000000	0.000000	-759.99	-1730.73
1	FID	ACIS-S-4	7.21	1264	0.102	0.033	0.005	0.010	0.000000	0.000000	2152.88	176.67
2	FID	ACIS-S-5	7.23	1264	-0.087	0.017	0.007	0.011	0.000000	0.000000	-1811.40	171.59
3	GUIDE	263586520	9.46	2511	-0.006	0.098	0.120	0.192	216.777743	26.982936	1725.02	-1622.61
4	GUIDE	263587504	9.02	2528	0.007	0.139	0.093	0.144	217.366070	26.597038	-555.81	-2170.61
5	GUIDE	263587824	8.23	2458	0.012	-0.018	0.057	0.092	217.000194	26.590770	185.59	-1256.07
6	GUIDE	263592008	9.07	2528	0.050	-0.057	0.095	0.154	216.283033	26.162303	510.07	1505.30
7	GUIDE	263592472	7.11	2528	-0.065	-0.151	0.064	0.100	216.477415	26.265268	384.15	788.55

## 2.4 Star Slots

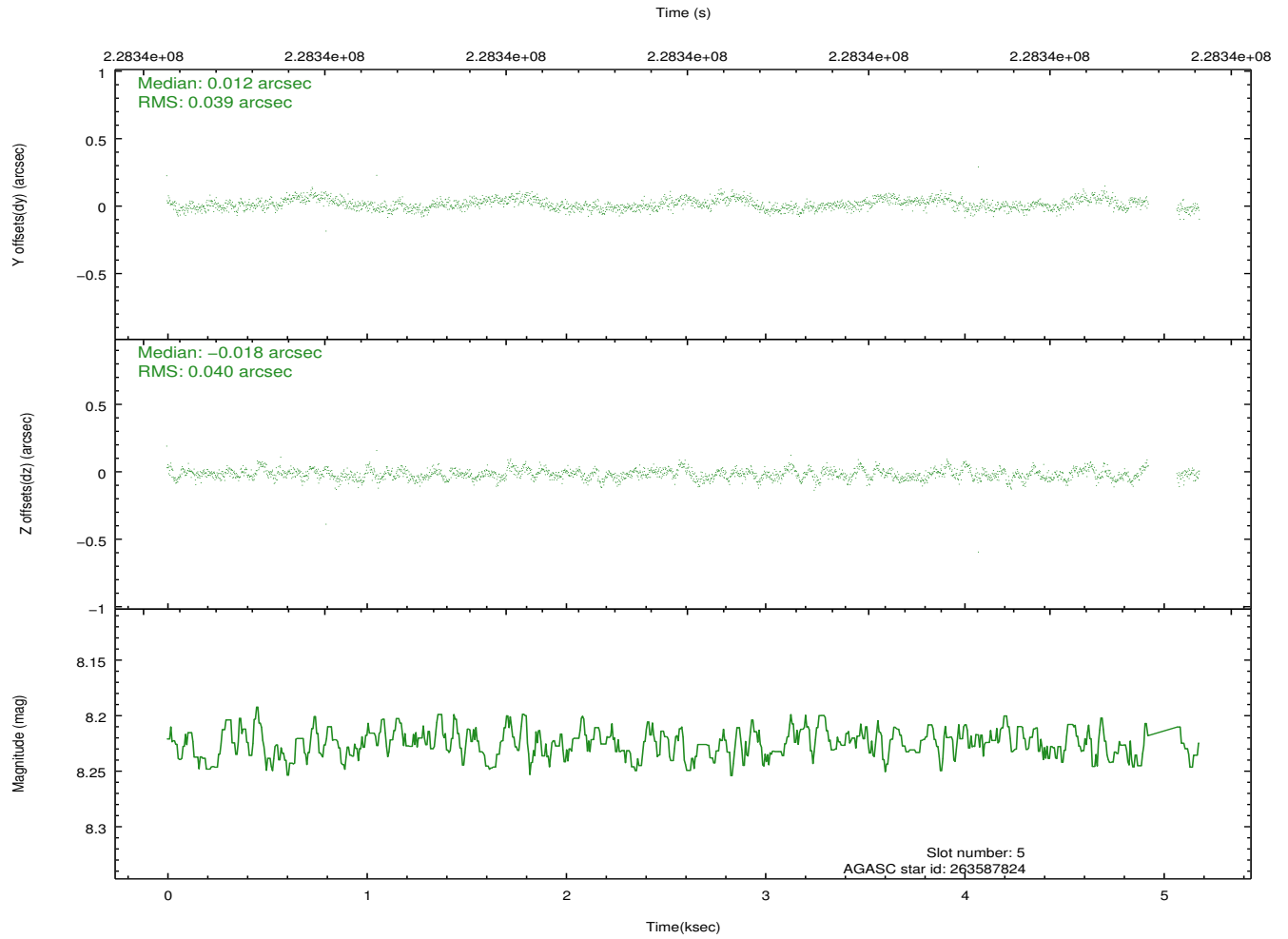
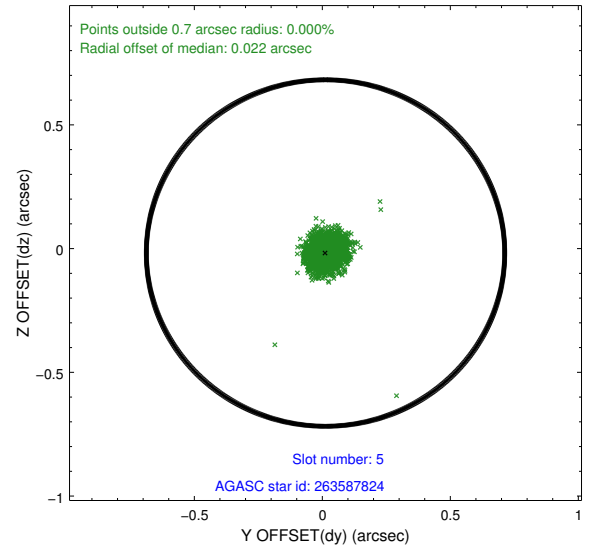
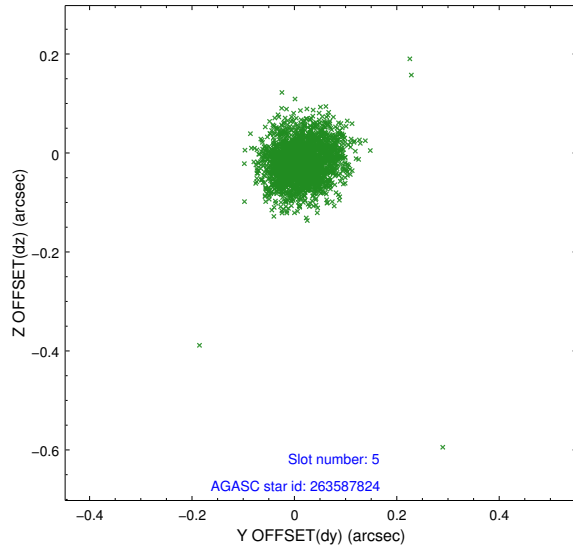
### 2.4.1 Slot 3



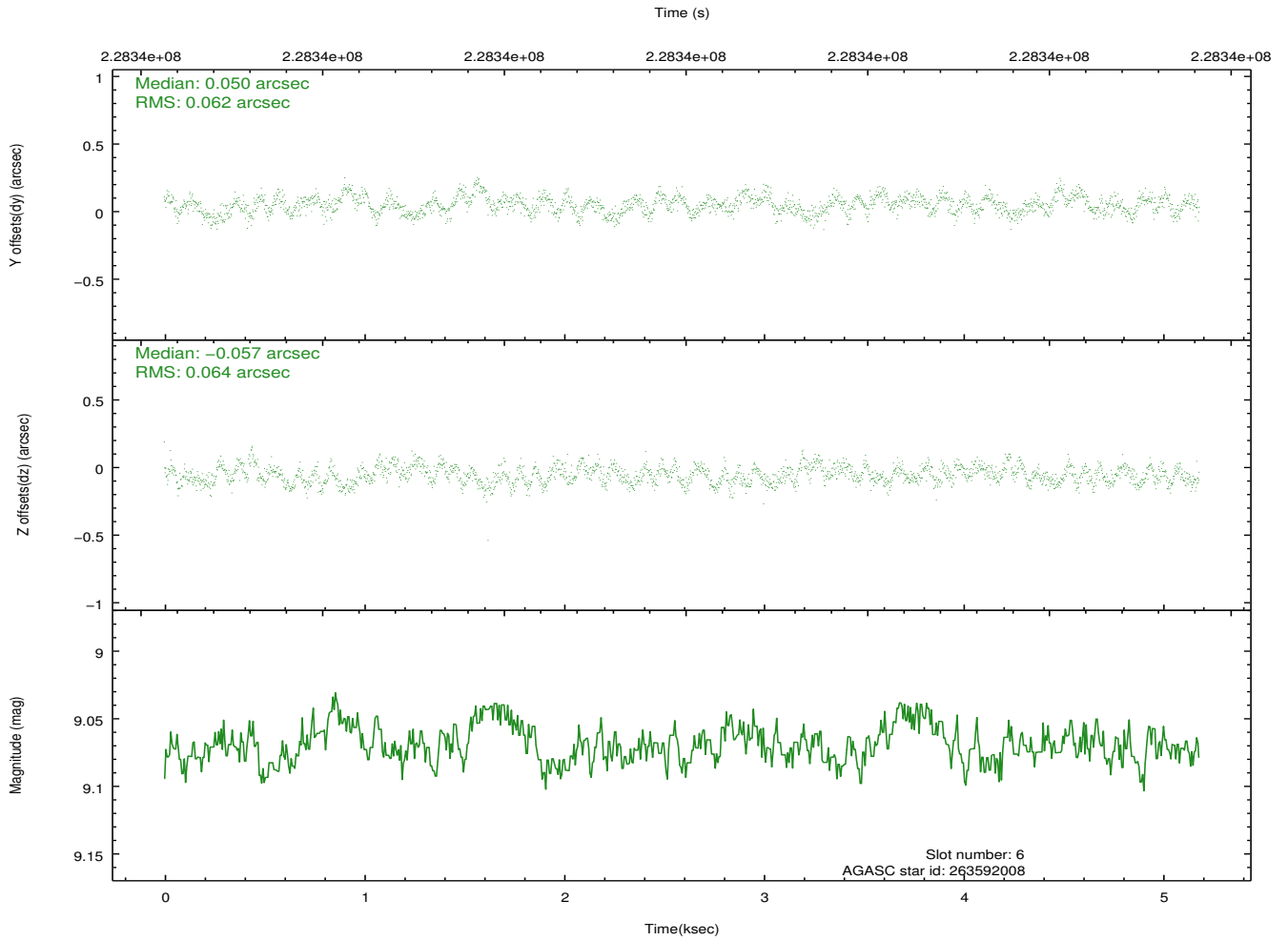
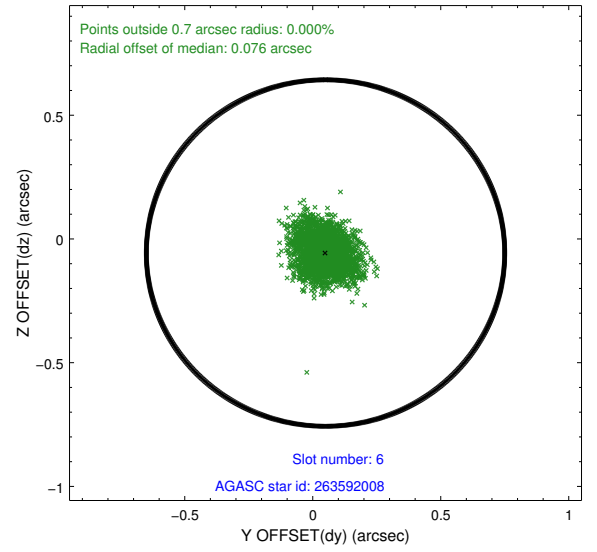
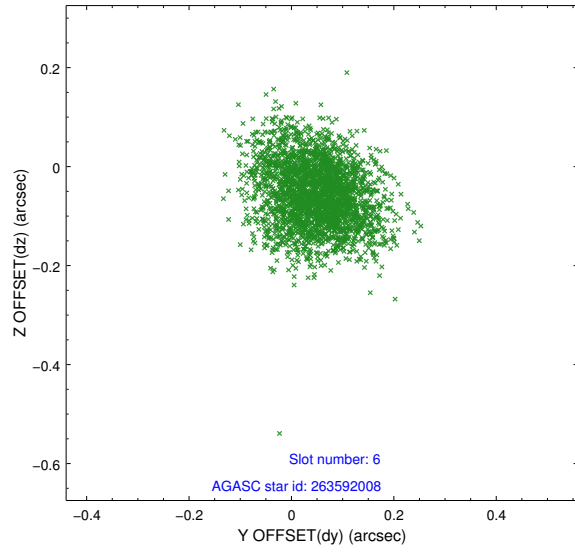
## 2.4.2 Slot 4



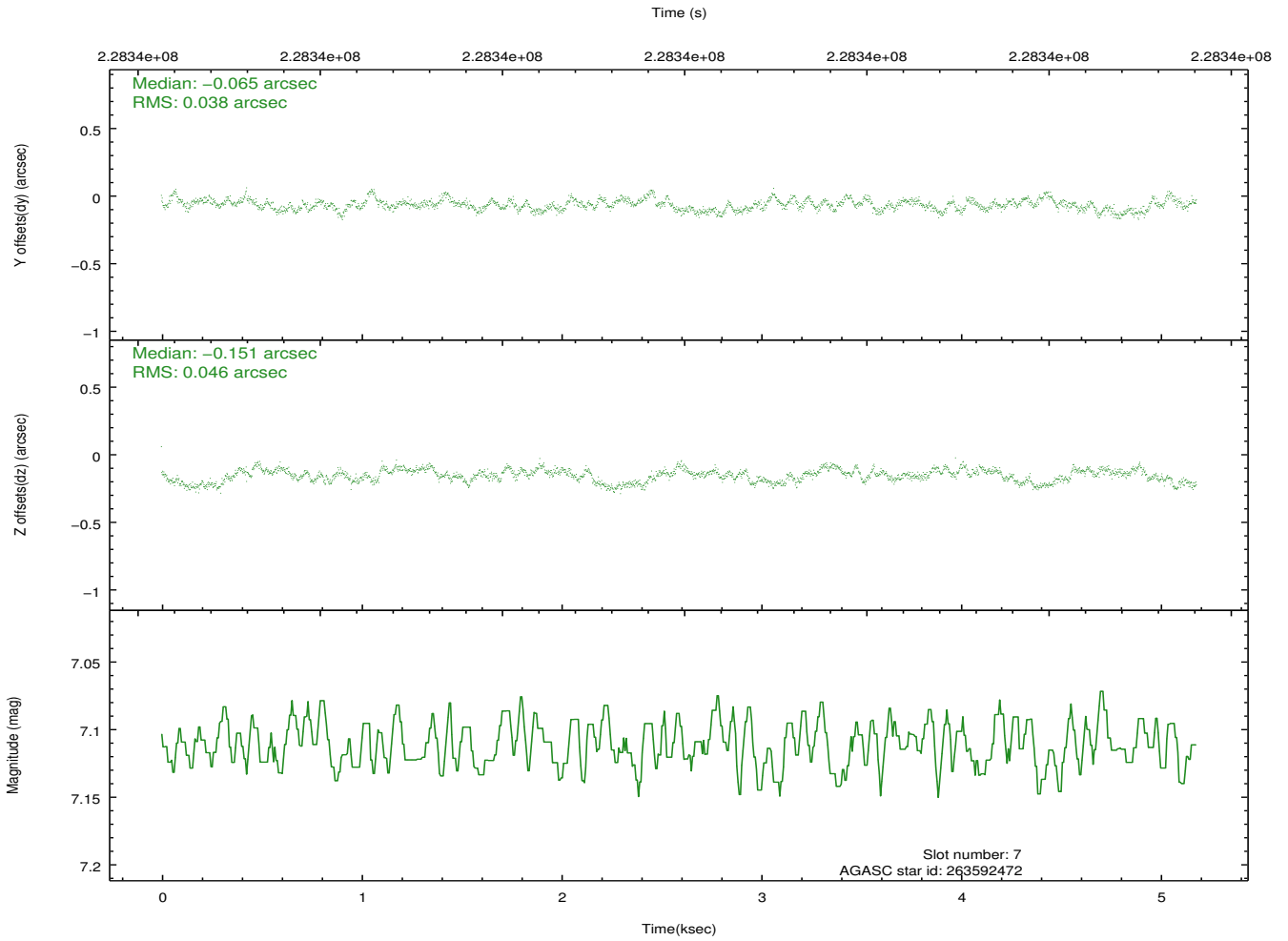
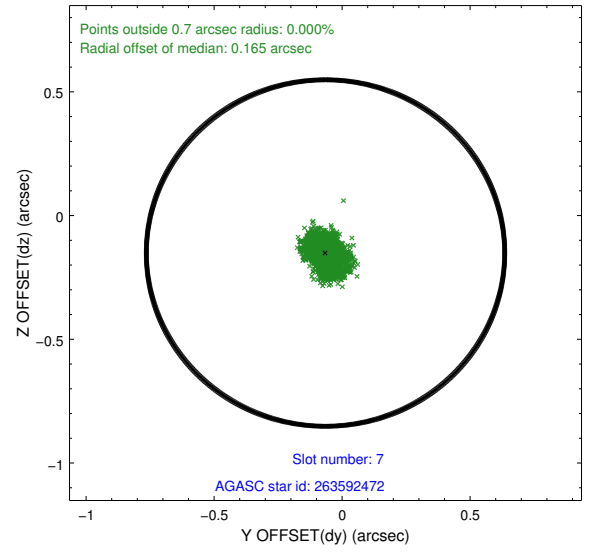
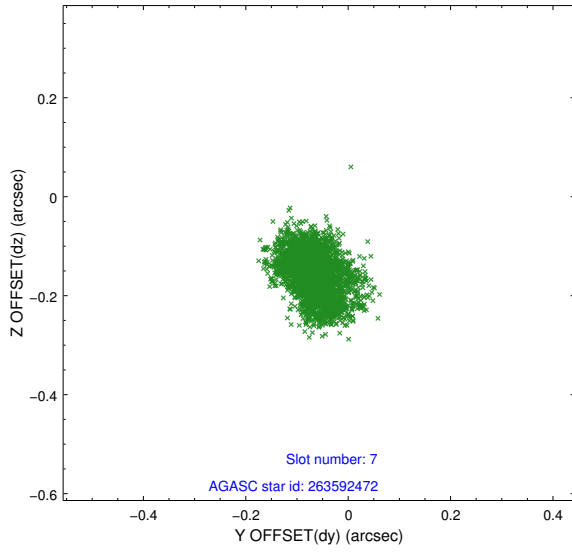
### 2.4.3 Slot 5



## 2.4.4 Slot 6

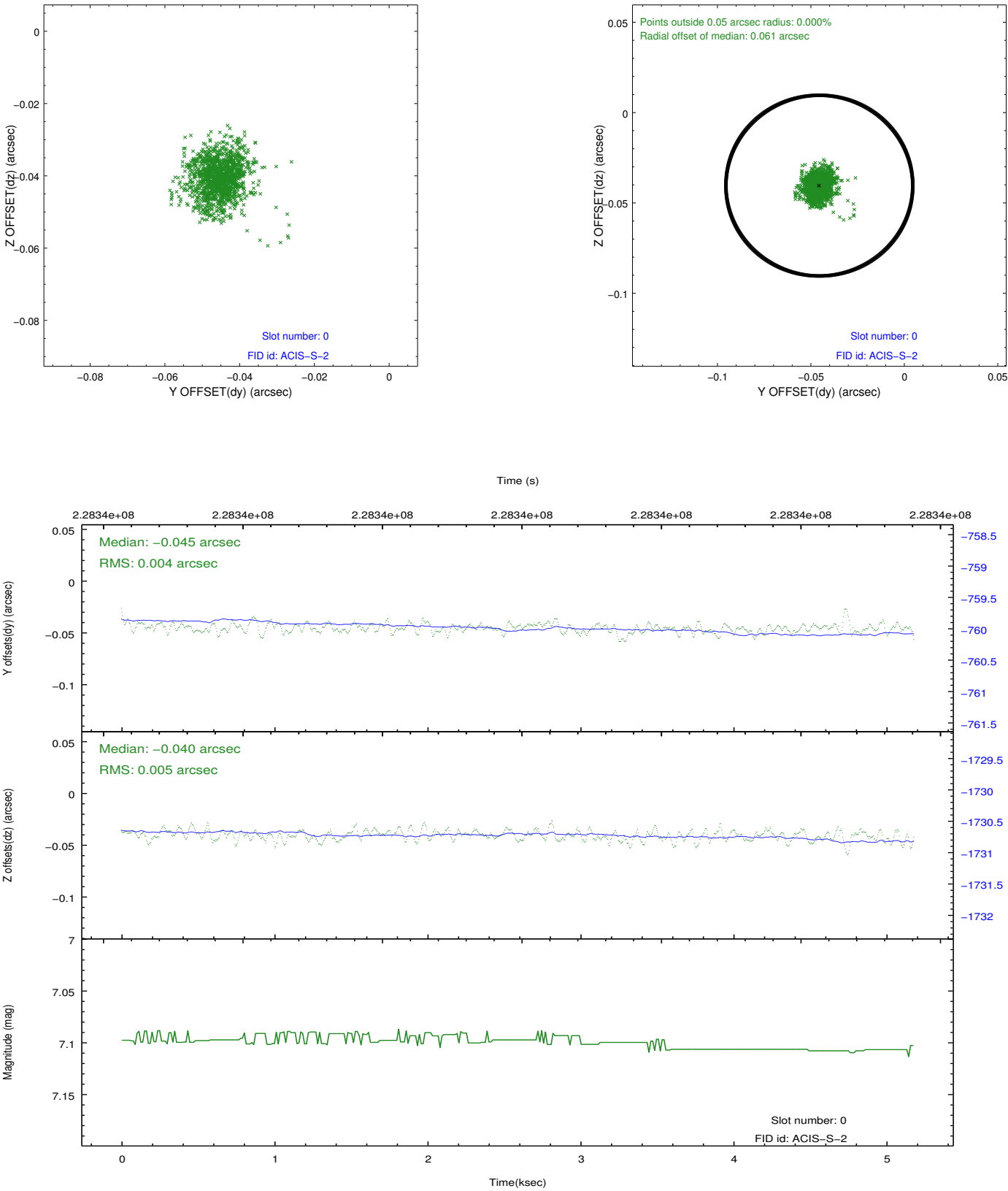


## 2.4.5 Slot 7

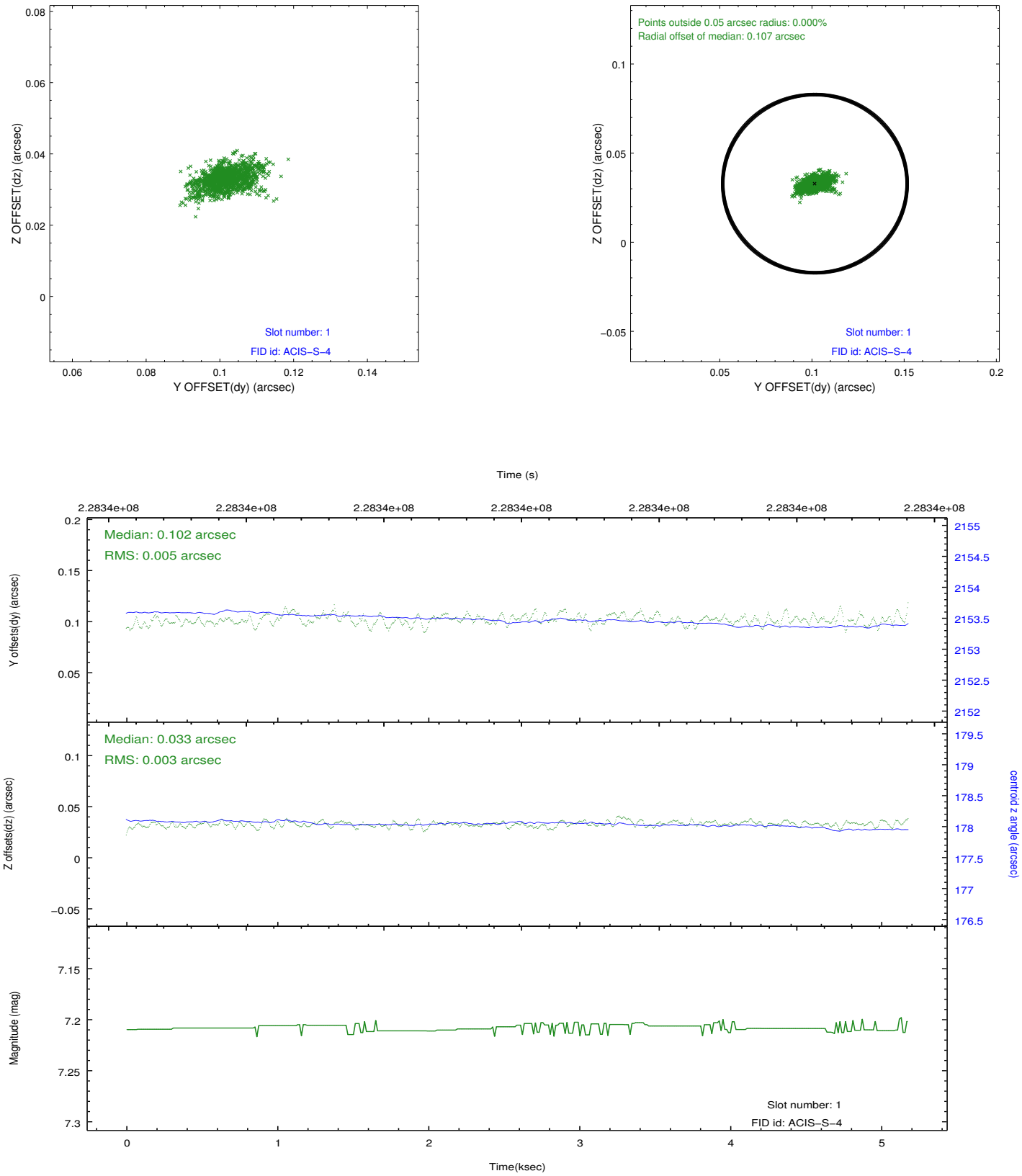


# 2.5 FID Slots

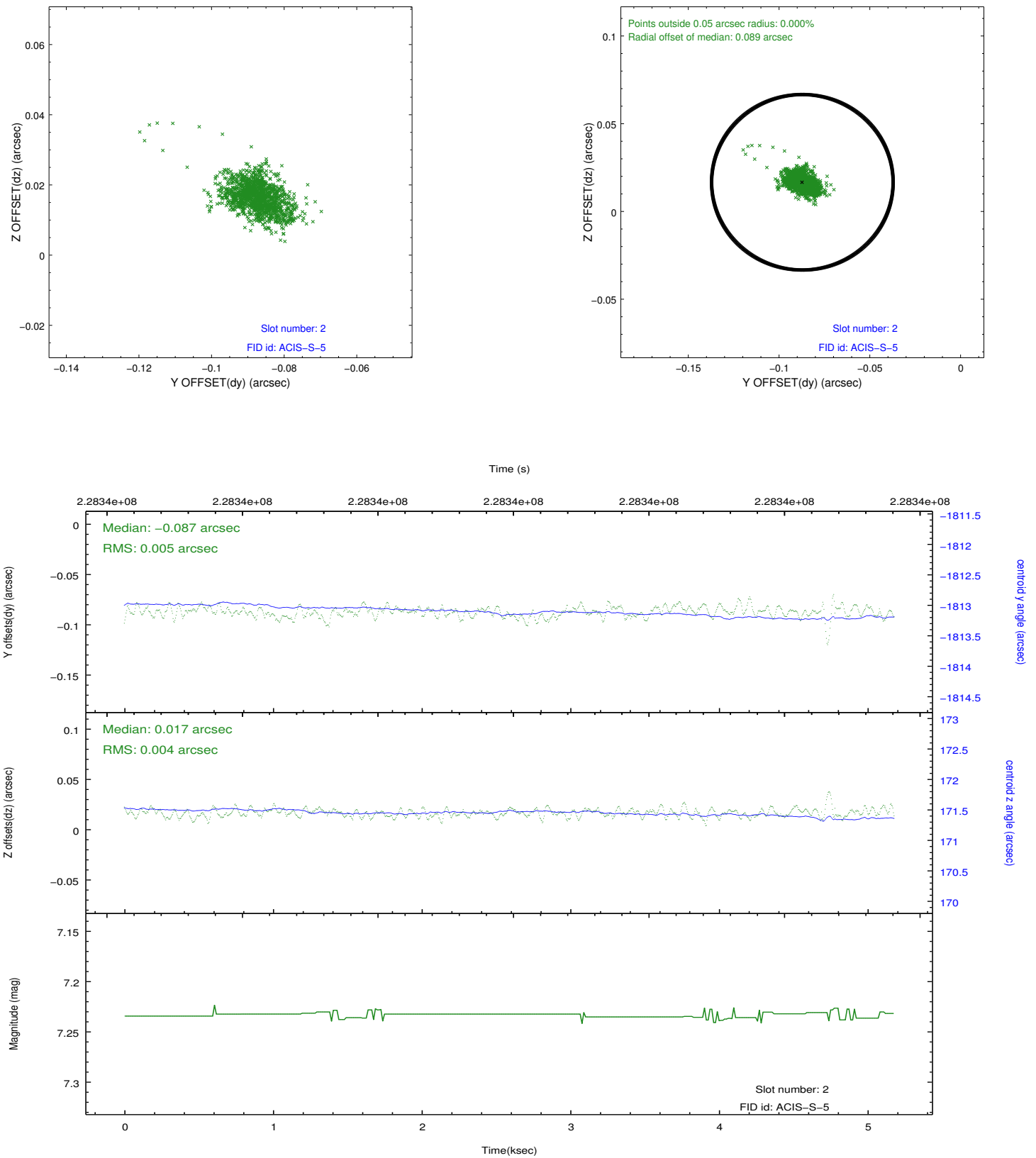
## 2.5.1 Slot 0



## 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)	2013.01.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1795

### A.2 Comments

Joint Proposal: NOAO