

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13330 - L2 Version 2  
Chandra X-Ray Center

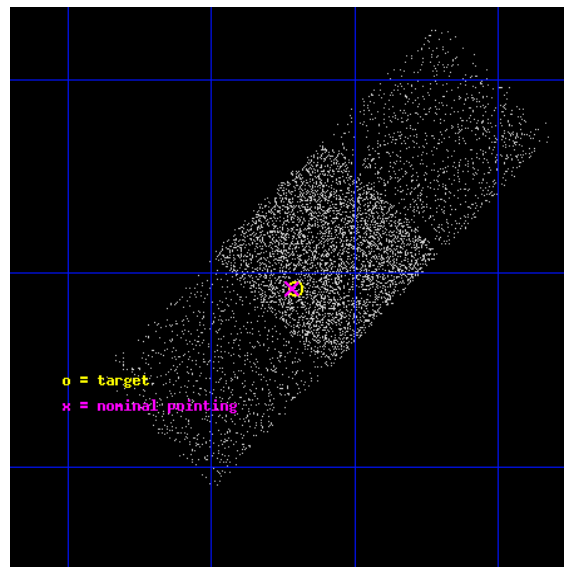
L2 Processing Date : Feb 26 2012

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# 1 Front

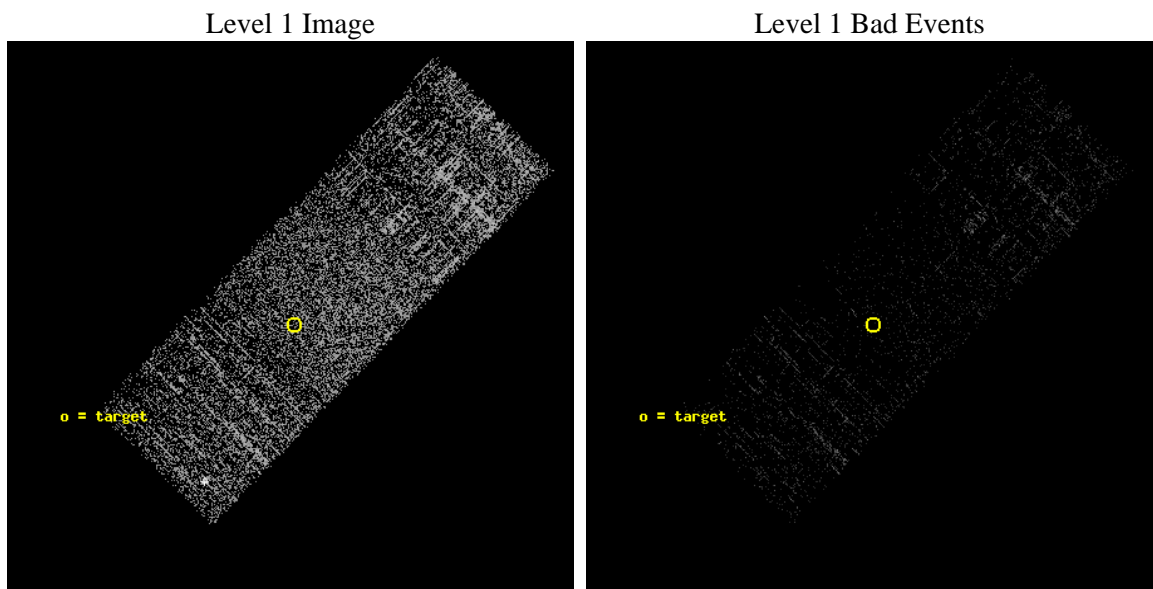
seq_num	702537	Sequence number
obs_id	13330	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J0124-0100	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	21.052083	Observer's specified target RA [deg]
dec_targ	-1.013833	Observer's specified target Dec [deg]
ra_nom	21.054958384246	Nominal RA [deg]
dec_nom	-1.0134935009943	Nominal Dec [deg]
roll_nom	314.22341950035	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1559.3000119925	Sum of GTIs [s]
livetime	1538.9266093958	Livetime [s]
ontime6	1559.3000119925	Sum of GTIs [s]
ontime7	1559.3000119925	Sum of GTIs [s]
ontime8	1559.3000119925	Sum of GTIs [s]
l2events	6459	Number of level 2 events



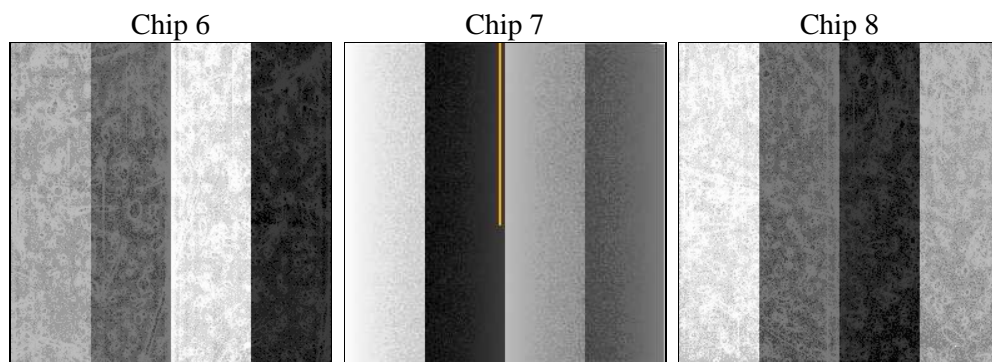
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1559.3000119925	Sum of GTIs [s]
caldbver	4.4.8	&#160	ontime6	1559.3000119925	Sum of GTIs [s]
date	2012-02-26T03:47:57	Date and time of file creation	ontime7	1559.3000119925	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	1559.3000119925	Sum of GTIs [s]
			l1events	29757	Number of level 1 events

### 2.1.4 Events

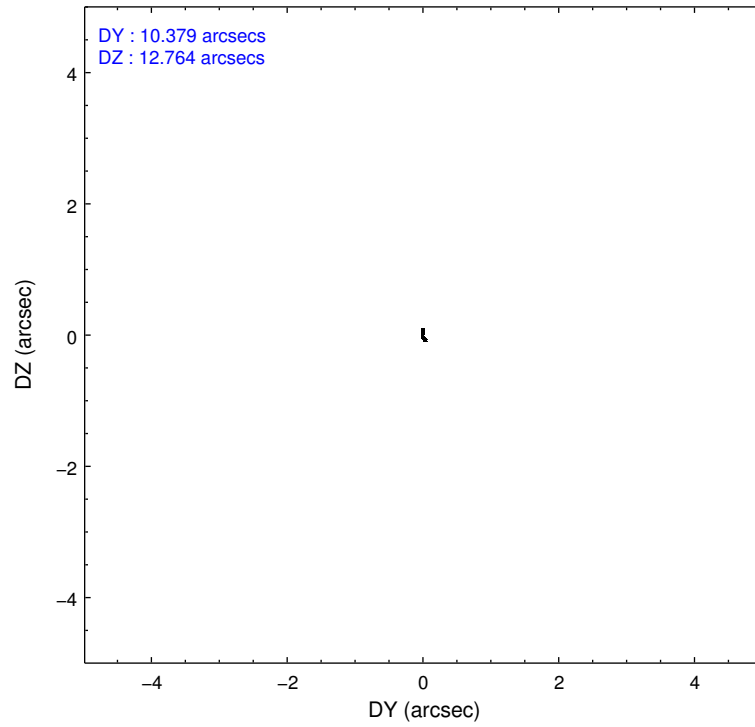
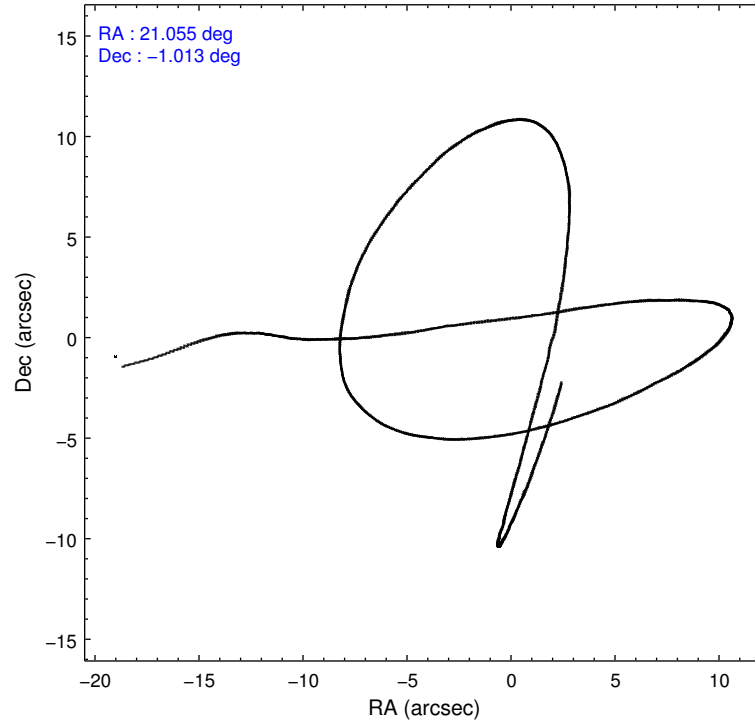
	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
level 1 events	8683	9634	11440
rejected events	7181	4946	8111
rejected %	82%	51%	70%

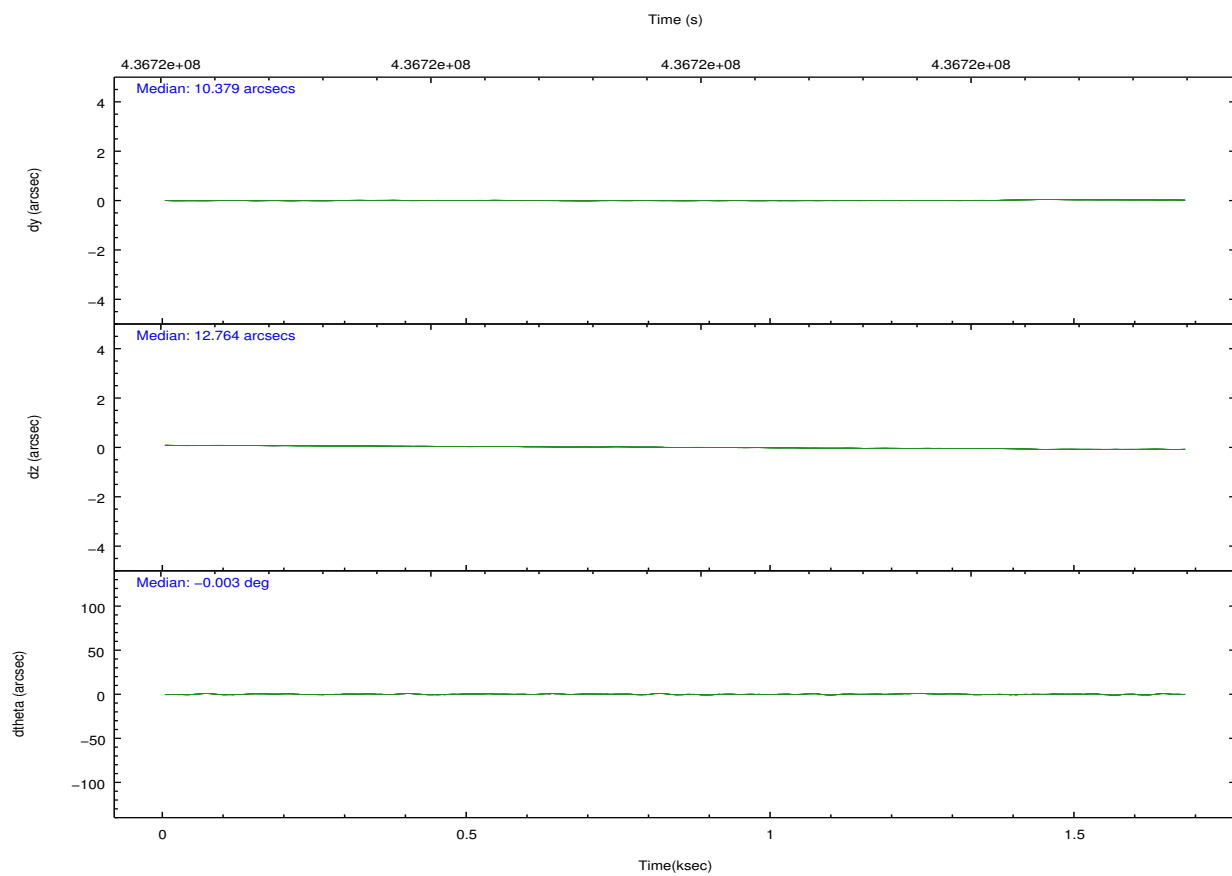
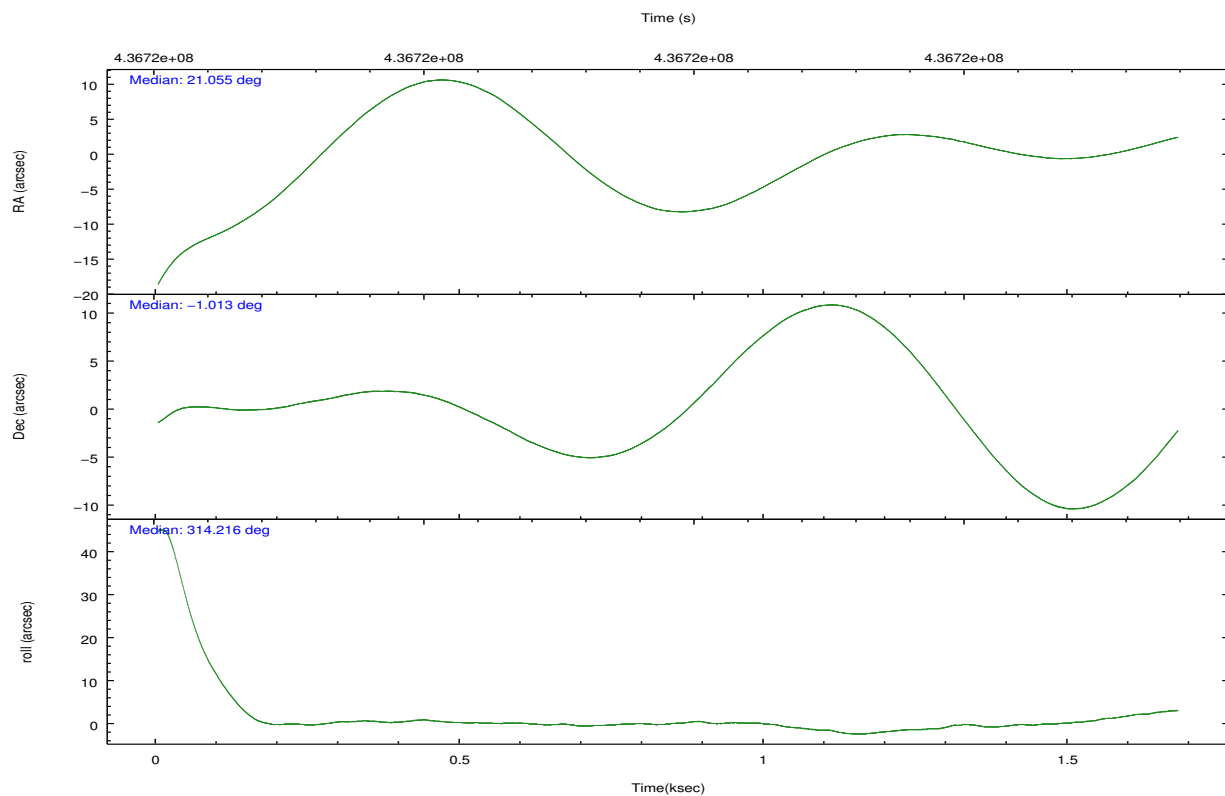
	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
grade 0 events	857	487	840
	9%	5%	7%
grade 1 events	11	13	15
	0%	0%	0%
grade 2 events	231	989	803
	2%	10%	7%
grade 3 events	111	406	369
	1%	4%	3%
grade 4 events	107	457	312
	1%	4%	2%
grade 5 events	389	1074	504
	4%	11%	4%
grade 6 events	199	2354	1006
	2%	24%	8%
grade 7 events	6778	3854	7591
	78%	40%	66%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	21.028630	21.05495838424628	Subarray requested	NONE	NONE
[deg] Pointing Dec	-1.006148	-1.013493500994284	Alternating exposures requested	N	N
[deg] Pointing Roll	314.066024	314.223419500348	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	436715287.184000	436713549.82954			
Observation start date	2011-11-03T13:47:01	2011-11-03T13:19:09			
[s] Observation end time (MET)	436716787.184000	436717189.09223			
Observation end date	2011-11-03T14:12:01	2011-11-03T14:19:49			
Read mode	TIMED	TIMED			

## 2.3 Aspect





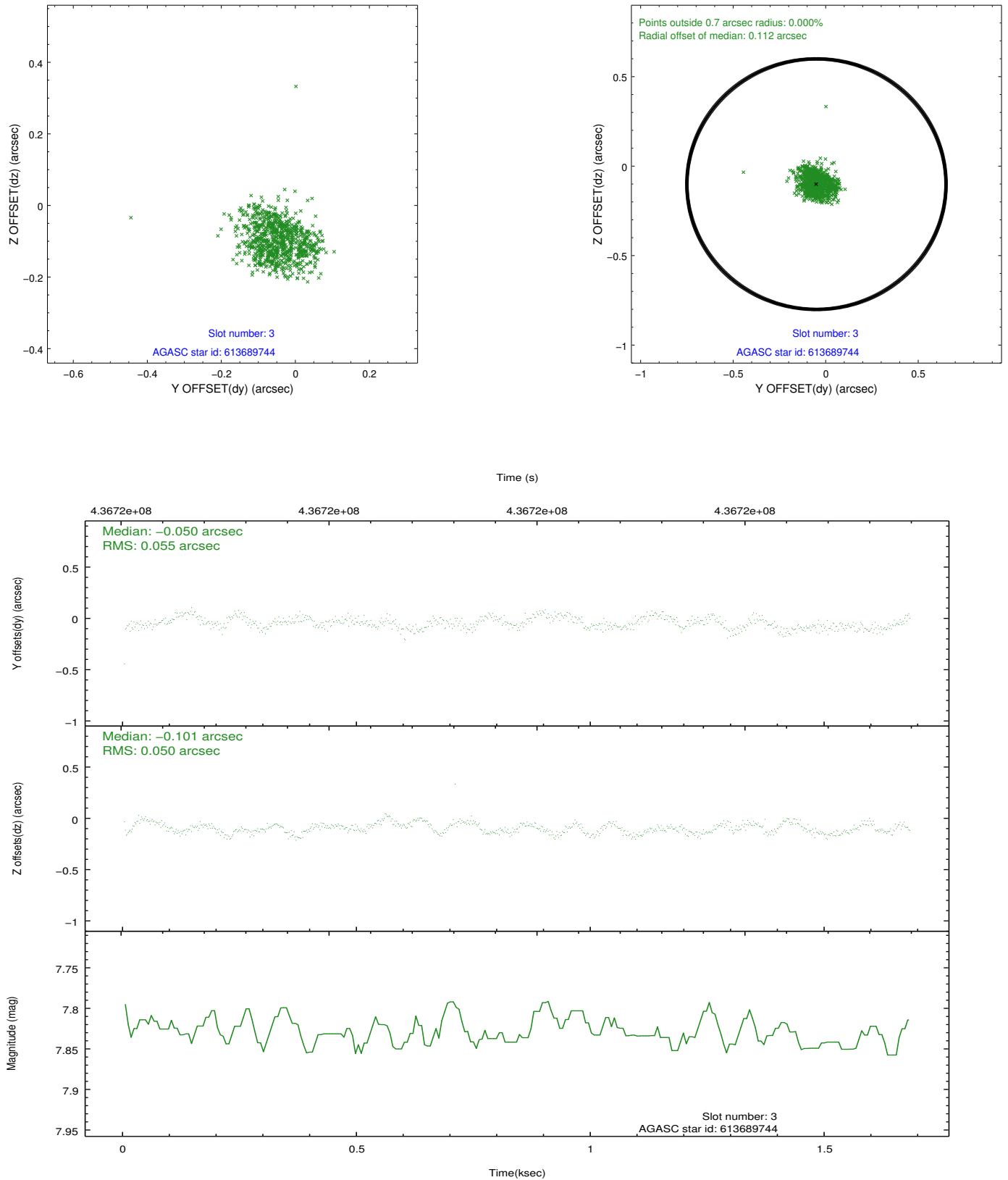
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	410	-0.047	-0.042	0.007	0.013	0.000000	0.000000	-763.32	-1734.05
1	FID	ACIS-S-4	7.01	410	0.193	0.034	0.006	0.011	0.000000	0.000000	2148.46	170.36
2	FID	ACIS-S-5	7.03	410	-0.176	0.016	0.007	0.012	0.000000	0.000000	-1811.20	168.59
3	GUIDE	613689744	7.83	820	-0.050	-0.101	0.077	0.122	21.171484	-0.970235	264.46	460.32
4	GUIDE	613690736	9.12	820	-0.004	-0.080	0.103	0.155	21.308059	-0.479738	-661.99	2042.25
5	GUIDE	613692608	9.96	819	0.003	0.130	0.172	0.277	21.596269	-0.869341	1066.57	1814.66
6	GUIDE	613692984	9.22	817	-0.006	-0.098	0.105	0.167	21.289538	-1.059684	793.56	539.92
7	GUIDE	613693072	9.98	818	0.053	0.139	0.144	0.241	20.307598	-1.114381	-1523.65	-2134.69

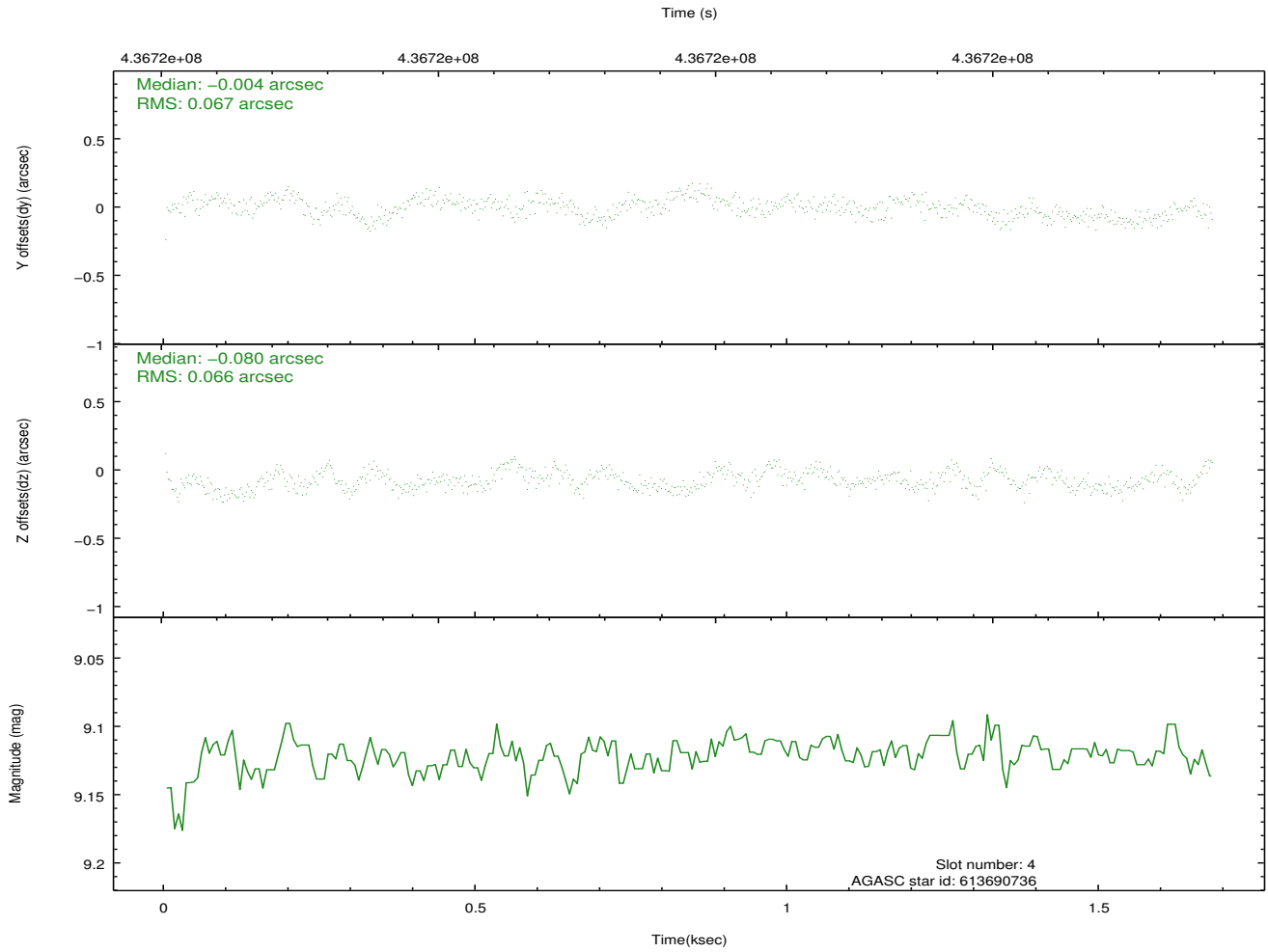
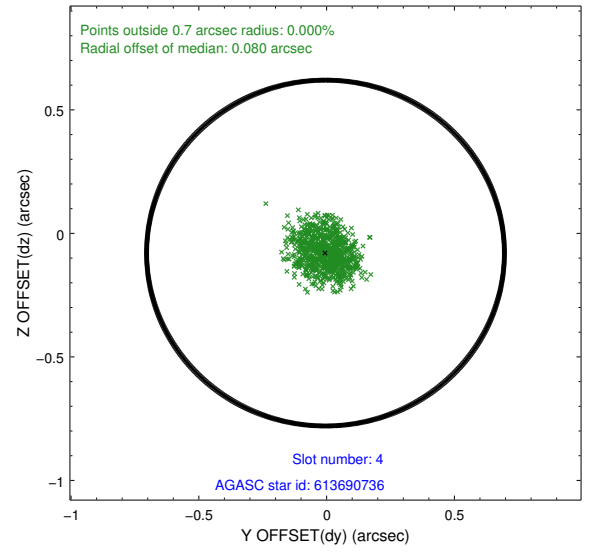
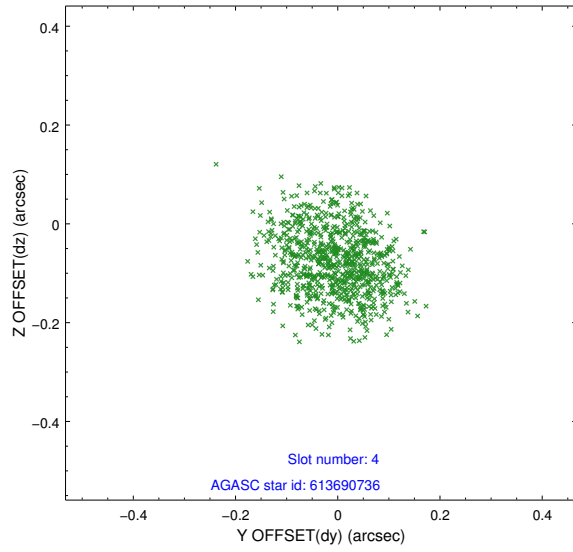


## 2.4 Star Slots

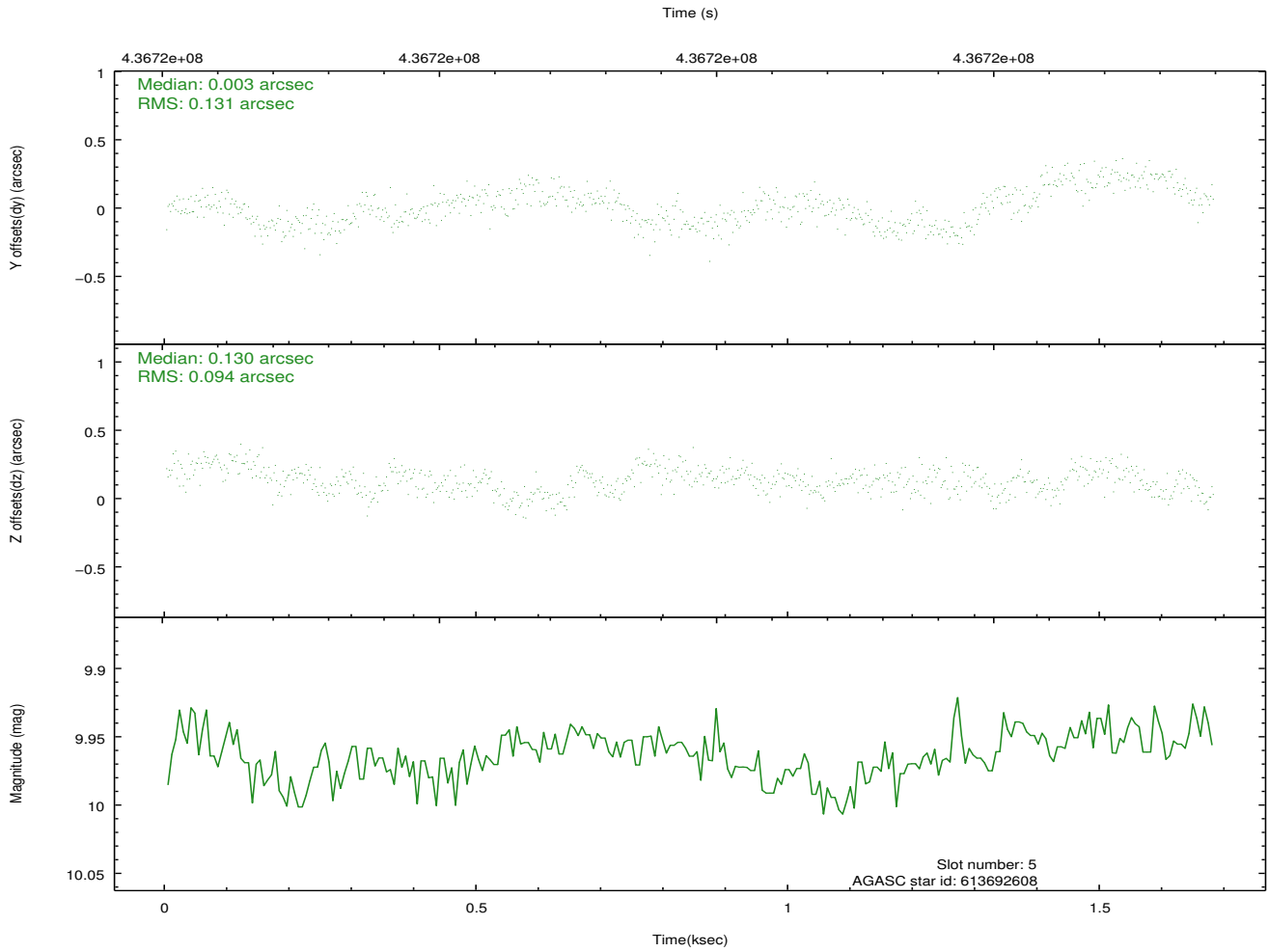
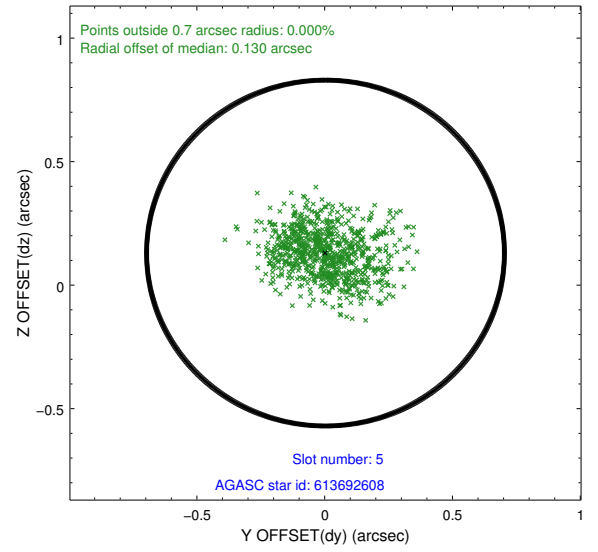
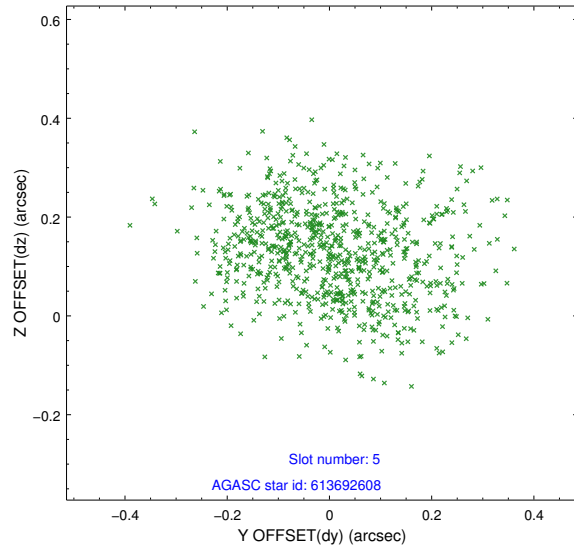
### 2.4.1 Slot 3



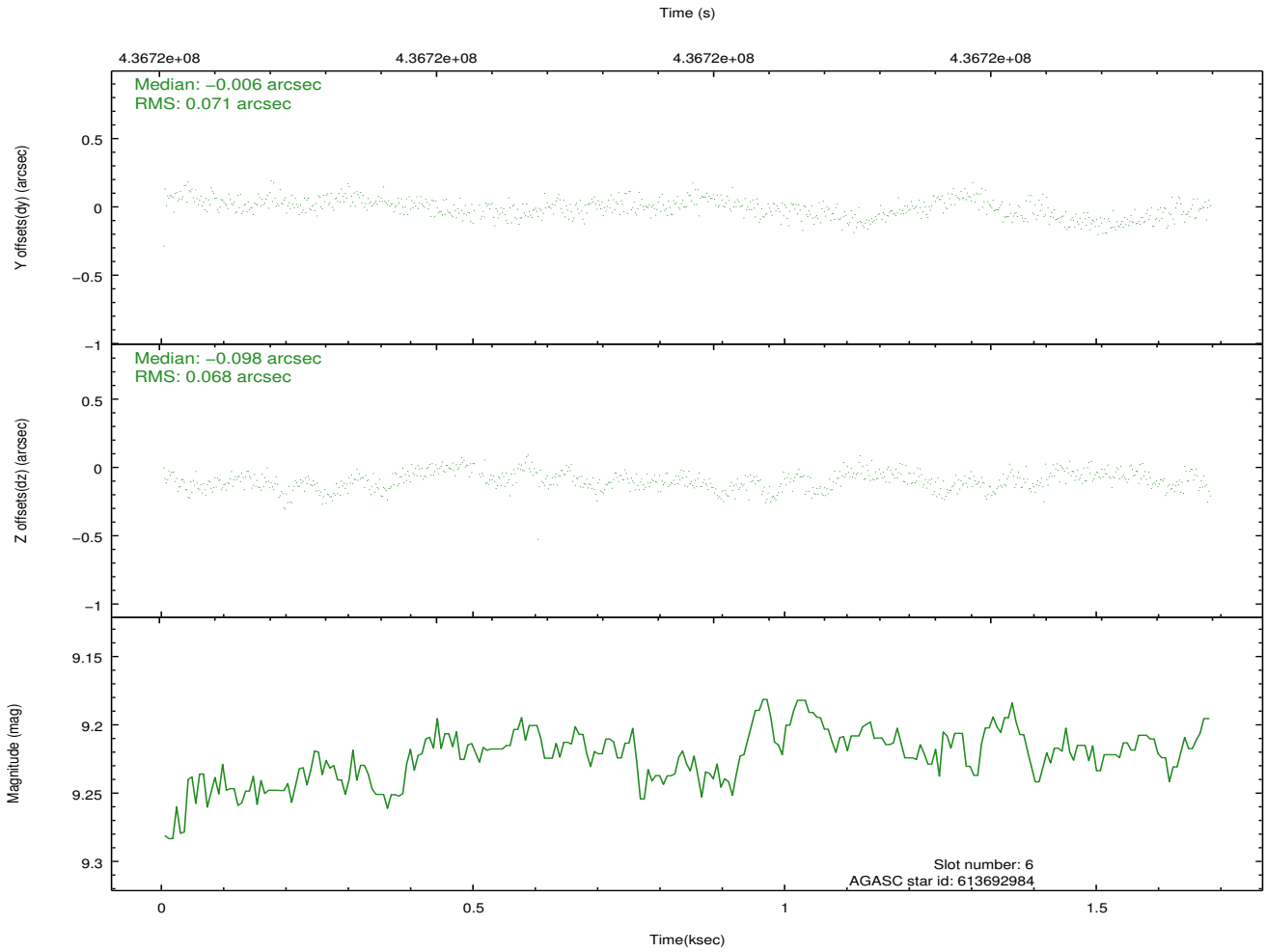
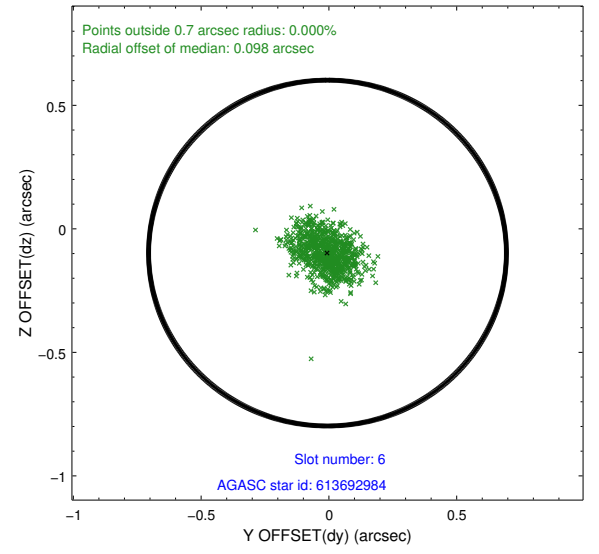
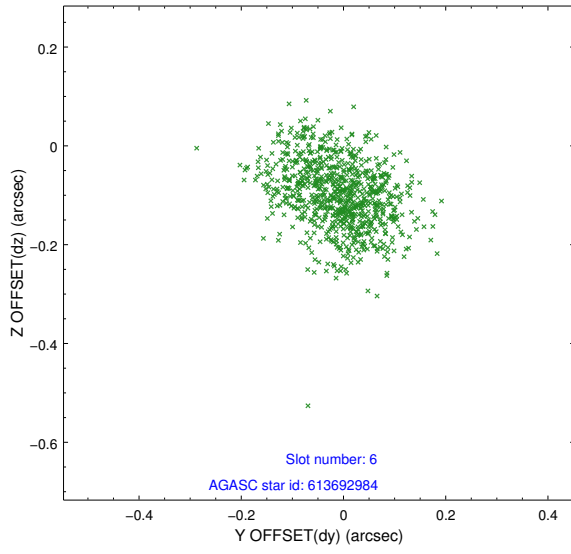
## 2.4.2 Slot 4



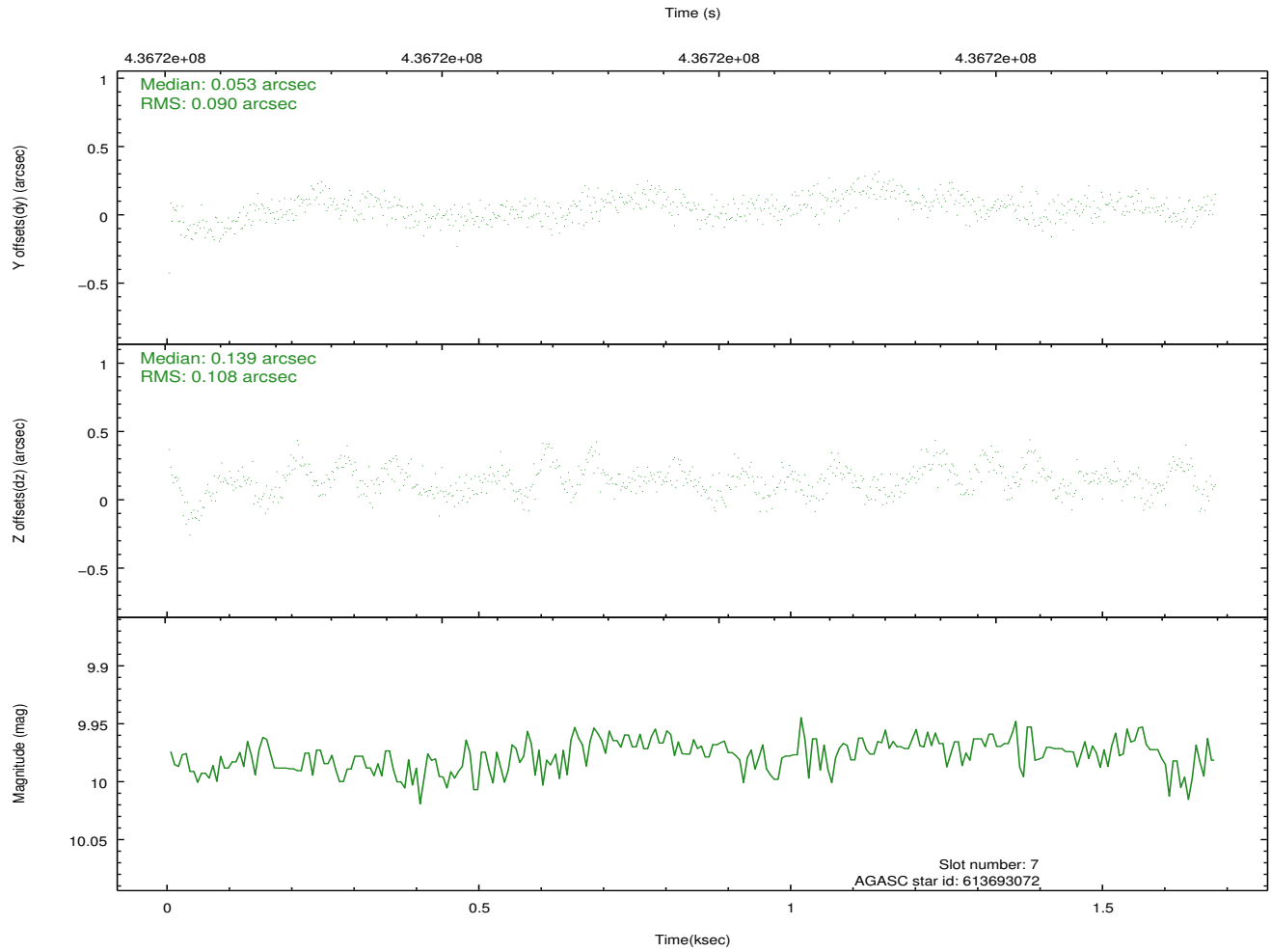
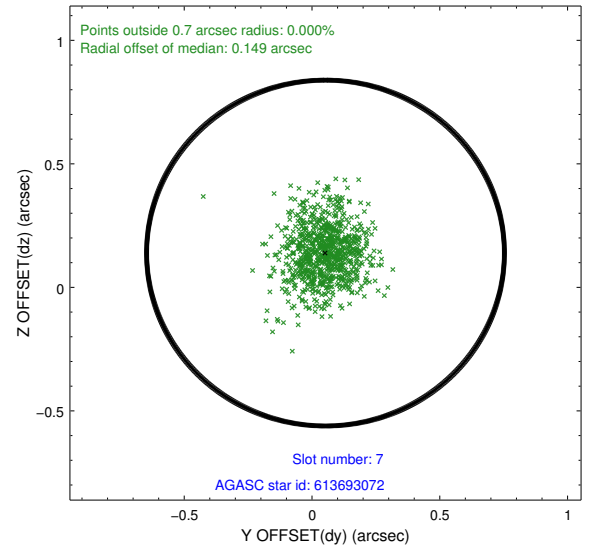
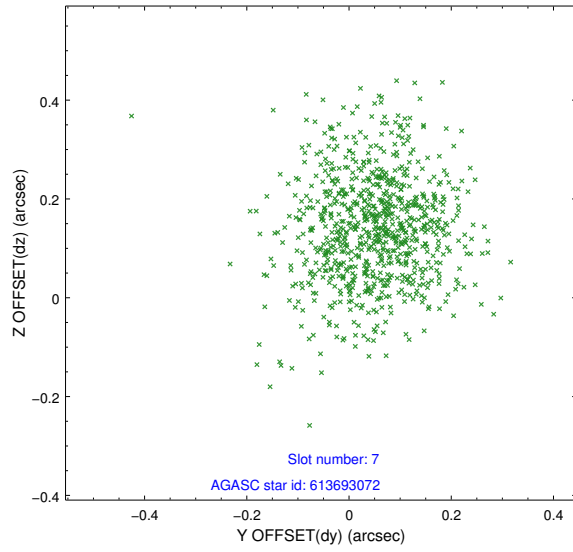
### 2.4.3 Slot 5



## 2.4.4 Slot 6

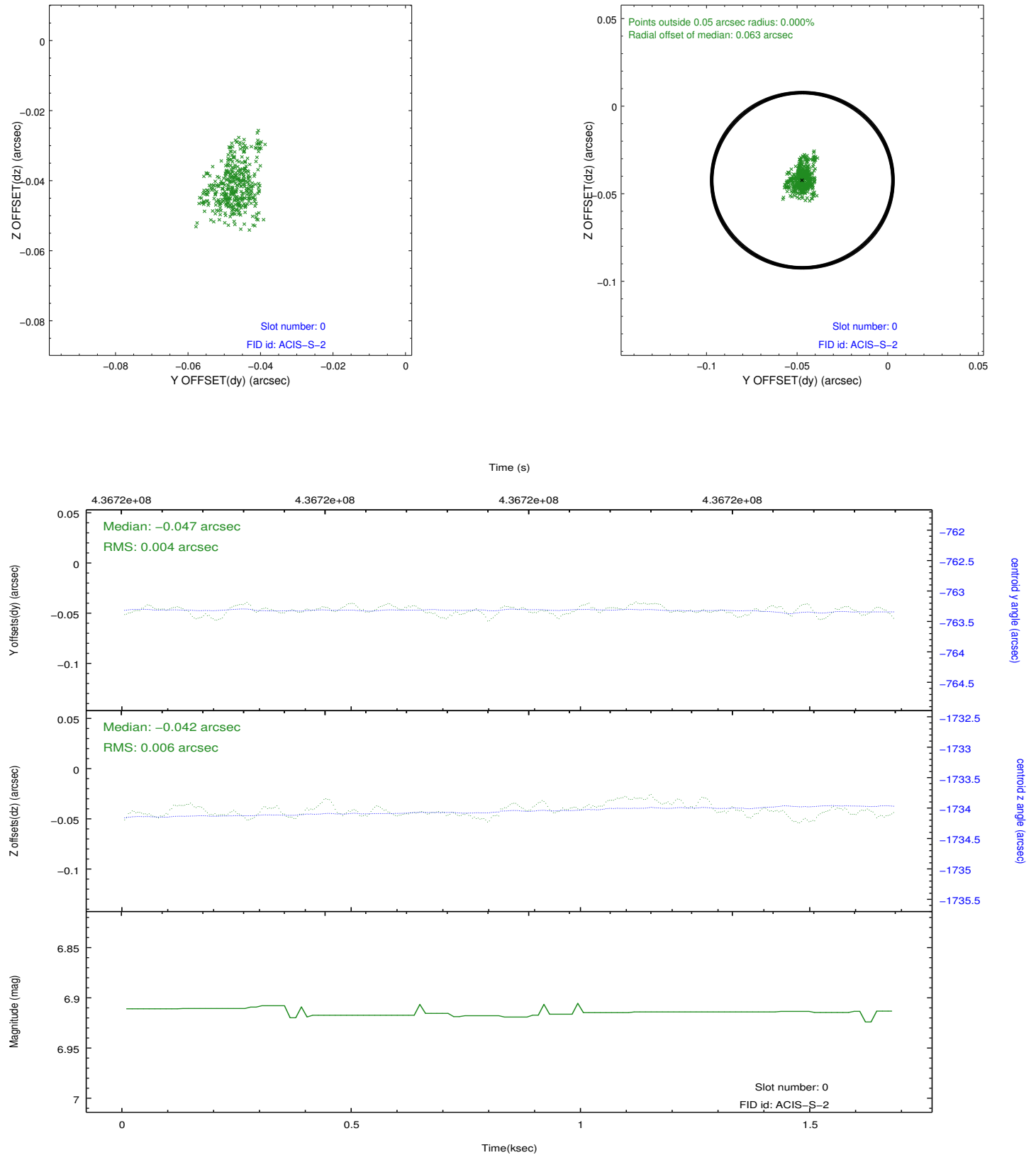


## 2.4.5 Slot 7

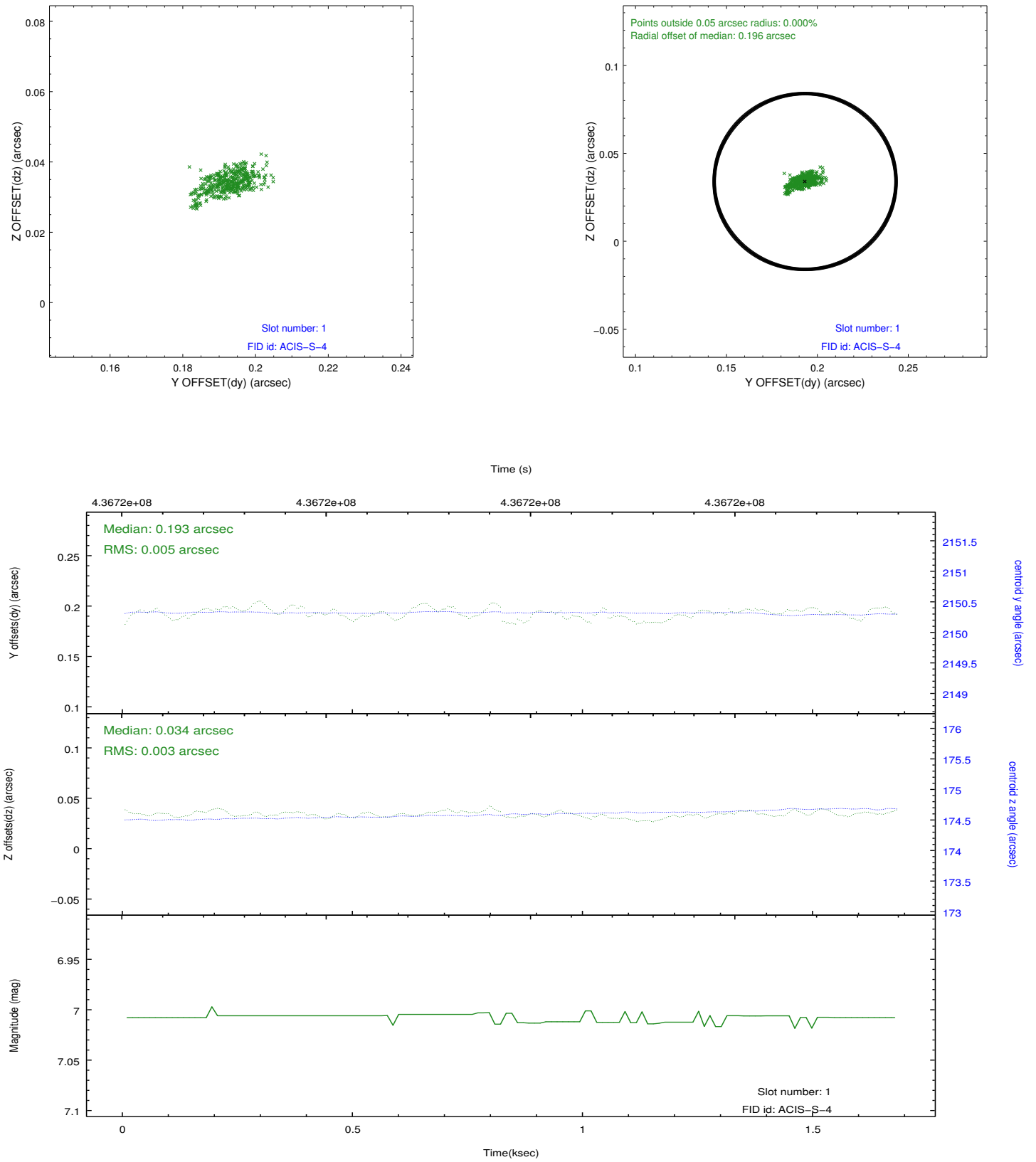


## 2.5 FID Slots

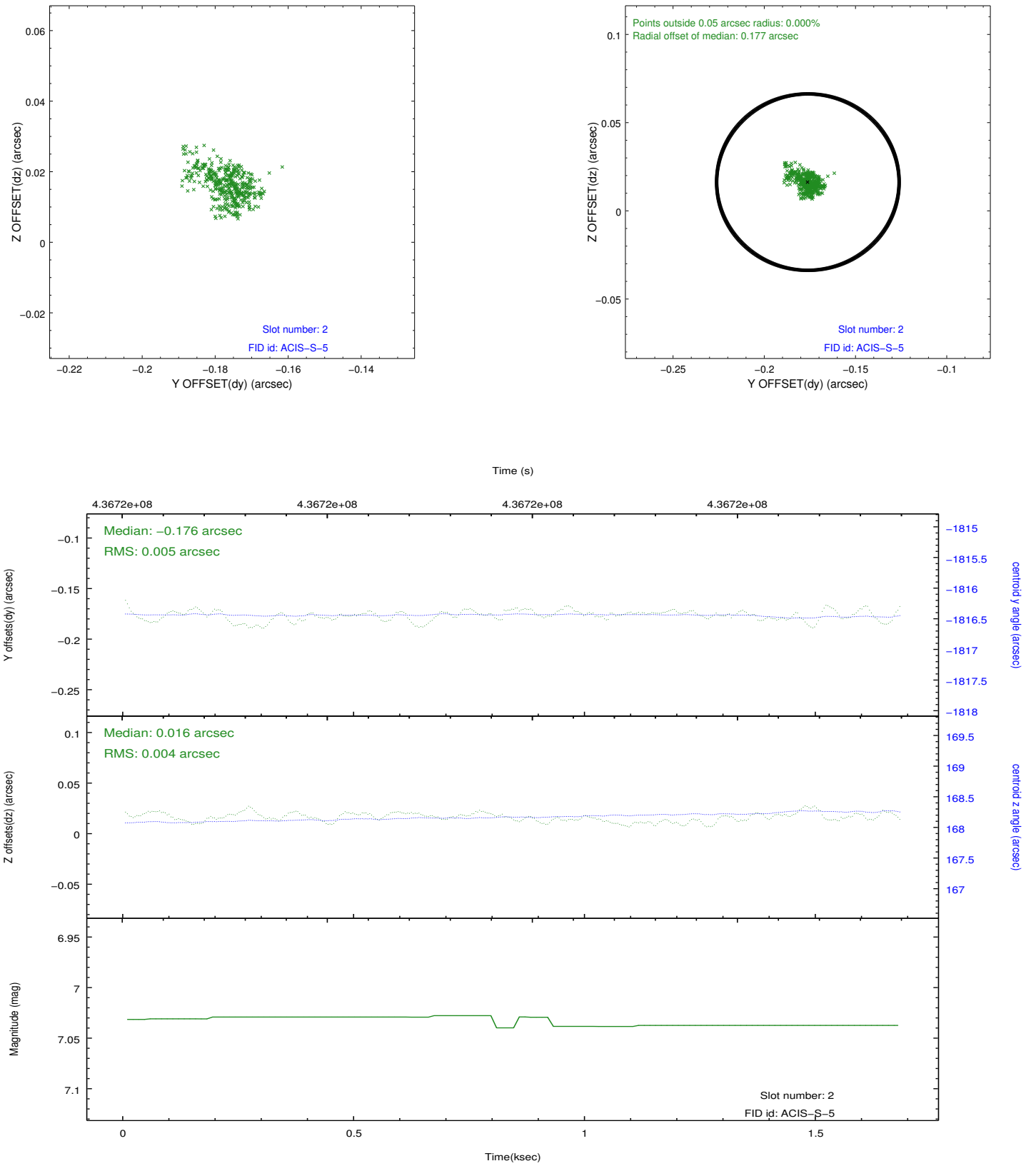
### 2.5.1 Slot 0



## 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)	2012.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5593000119925

### A.2 Comments