

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 13323 - L2 Version 1  
Chandra X-Ray Center

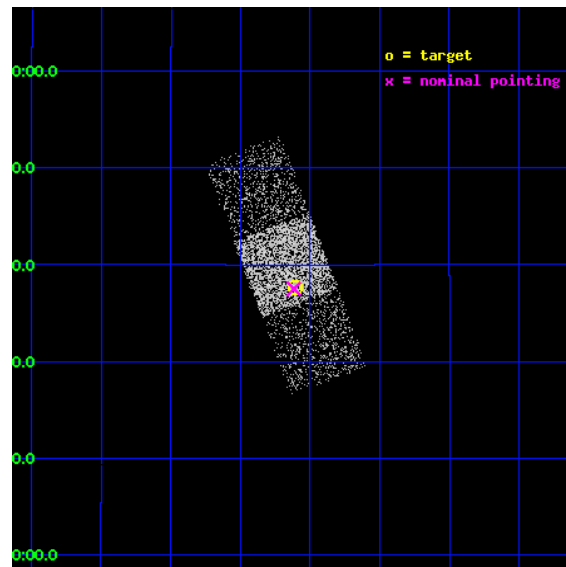
L2 Processing Date : Jun 29 2012

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# 1 Front

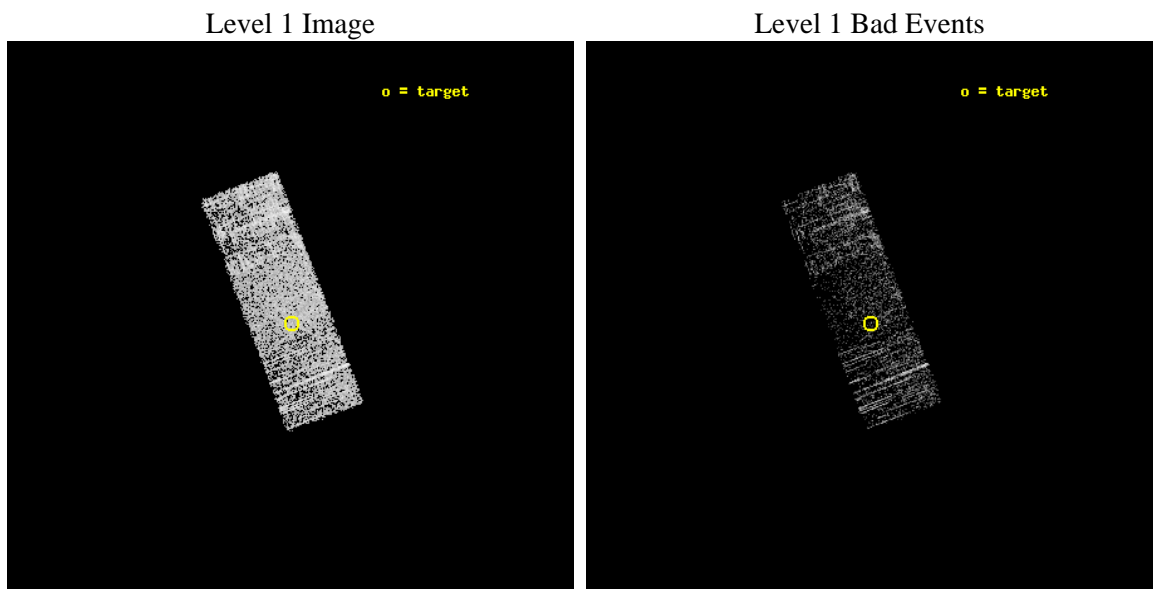
seq_num	702530	Sequence number
obs_id	13323	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J1159+1337	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	179.777083	Observer's specified target RA [deg]
dec_targ	13.627139	Observer's specified target Dec [deg]
ra_nom	179.7791303501	Nominal RA [deg]
dec_nom	13.625073431092	Nominal Dec [deg]
roll_nom	249.10433107841	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1580.260045886	Sum of GTIs [s]
livetime	1559.612785016	Livetime [s]
ontime6	1580.2190058827	Sum of GTIs [s]
ontime7	1580.260045886	Sum of GTIs [s]
ontime8	1580.1779658794	Sum of GTIs [s]
l2events	6188	Number of level 2 events



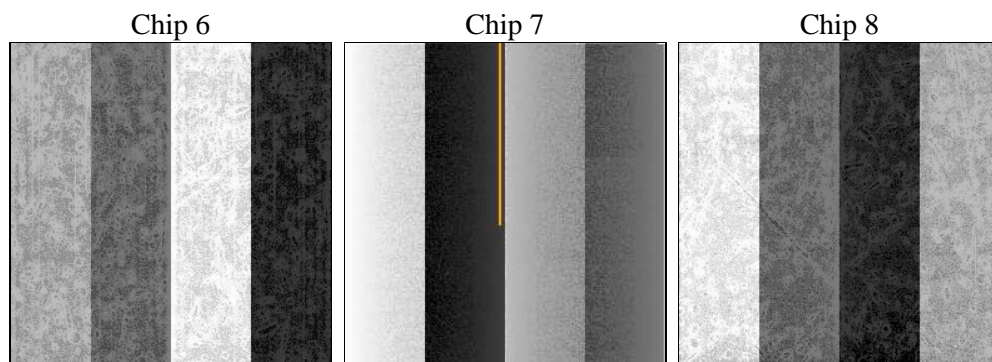
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	1580.260045886	Sum of GTIs [s]
caldsver	4.5.0	&#160	ontime6	1580.2190058827	Sum of GTIs [s]
date	2012-06-29T15:16:02	Date and time of file creation	ontime7	1580.260045886	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	1580.1779658794	Sum of GTIs [s]
			l1events	30742	Number of level 1 events

### 2.1.4 Events

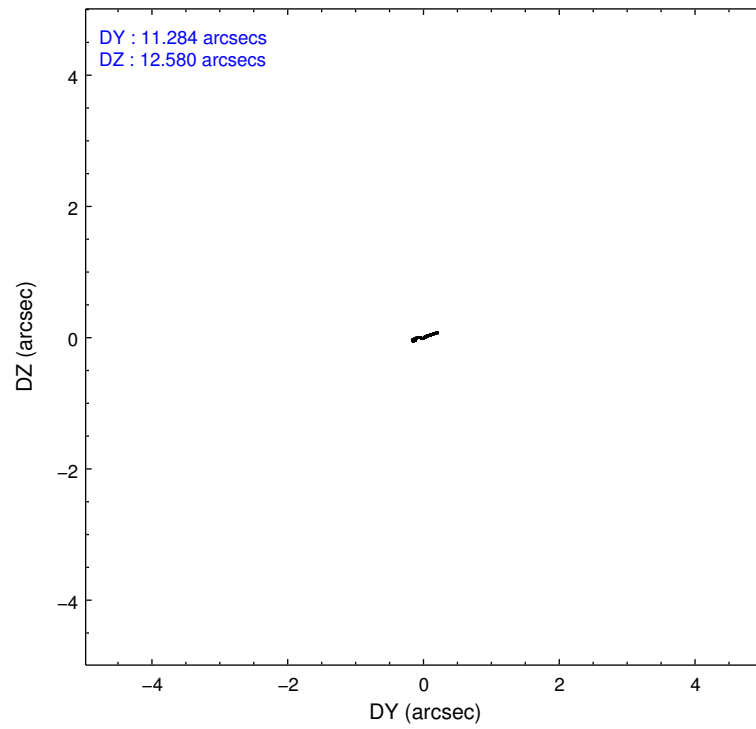
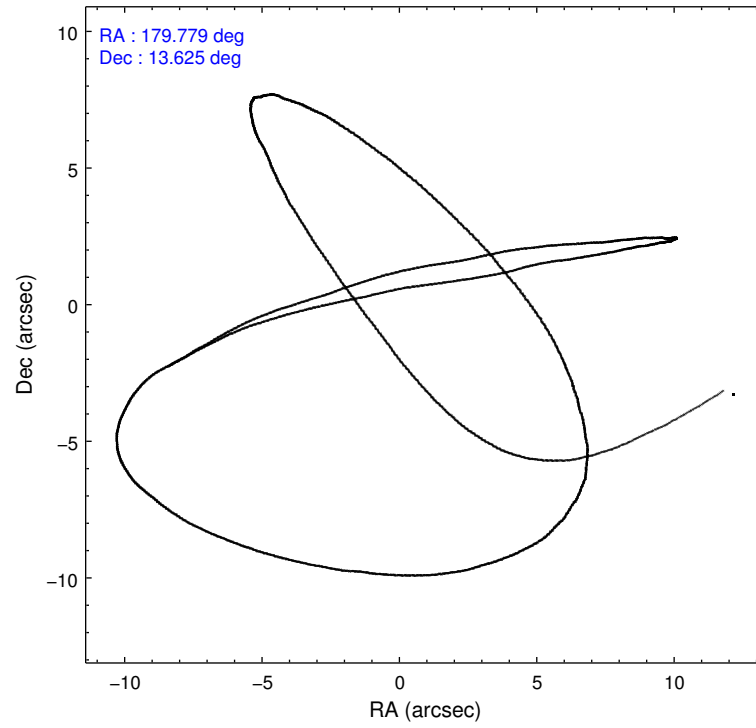
	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
level 1 events	9167	9610	11965
rejected events	8129	5123	8711
rejected %	<b>88%</b>	<b>53%</b>	<b>72%</b>

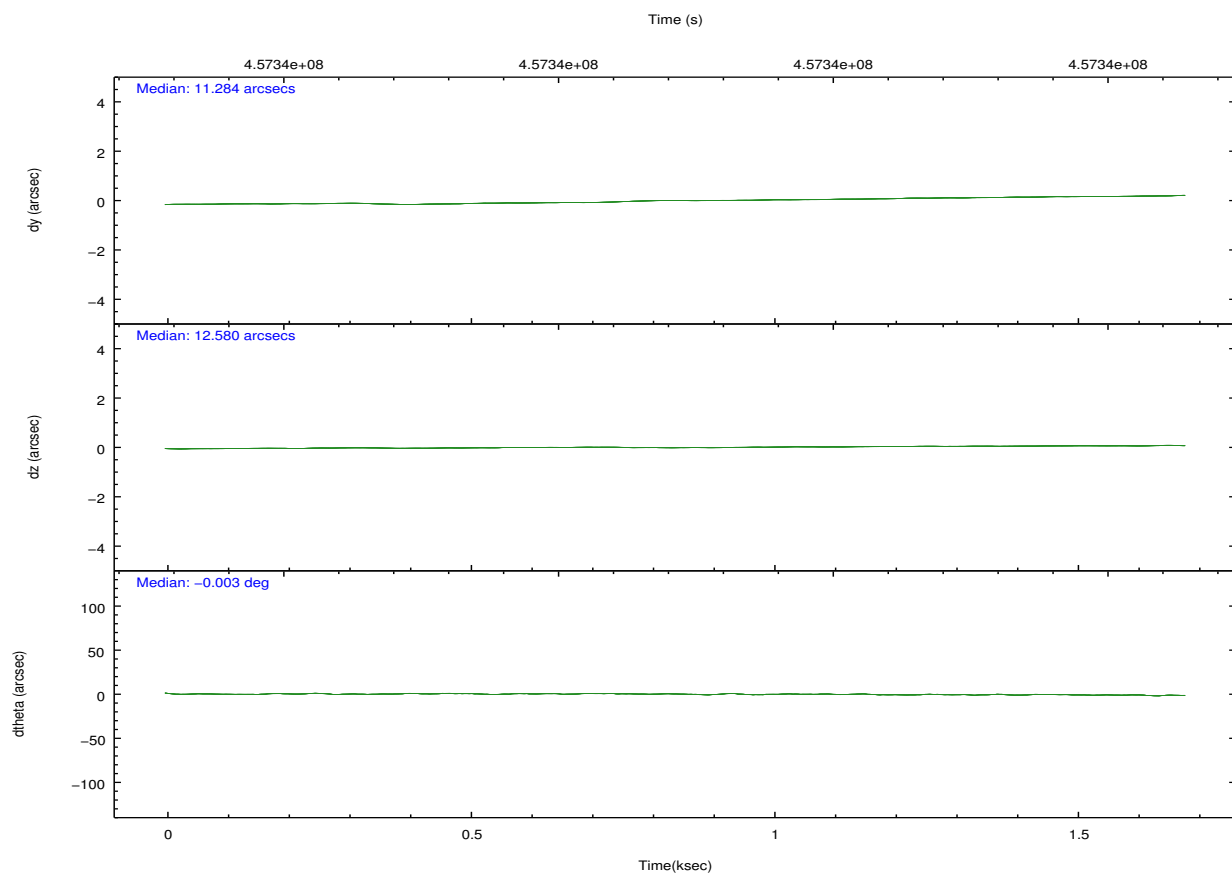
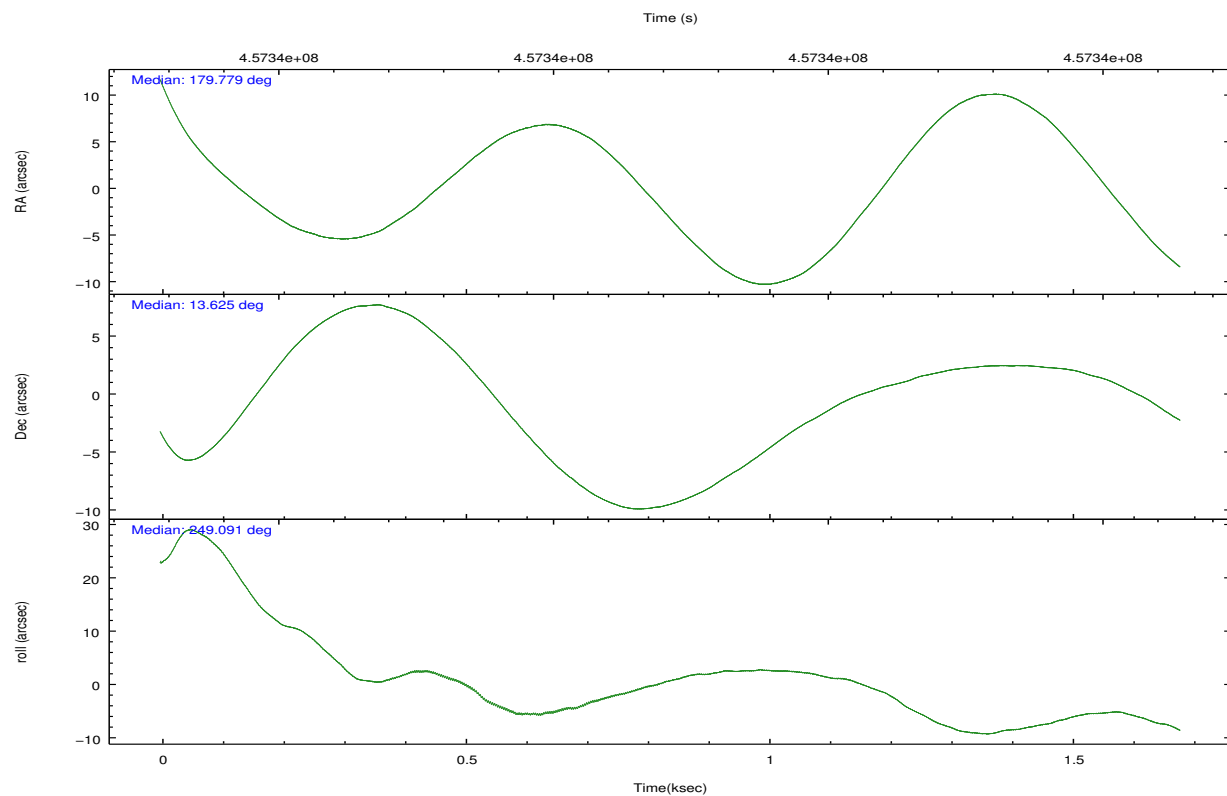
	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
grade 0 events	384	464	720
	4%	4%	6%
grade 1 events	3	14	5
	0%	0%	0%
grade 2 events	236	954	852
	2%	9%	7%
grade 3 events	94	382	302
	1%	3%	2%
grade 4 events	116	372	290
	1%	3%	2%
grade 5 events	386	1006	544
	4%	10%	4%
grade 6 events	213	2330	1098
	2%	24%	9%
grade 7 events	7735	4088	8154
	84%	42%	68%

## 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	179.774111	179.7791303500952	Subarray requested	NONE	NONE
[deg] Pointing Dec	13.651649	13.62507343109249	Alternating exposures requested	N	N
[deg] Pointing Roll	248.948815	249.1043310784125	[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)	457339056.184000	457338025.89334			
Observation start date	2012-06-29T06:36:30	2012-06-29T06:20:25			
[s] Observation end time (MET)	457340556.184000	457341678.99354			
Observation end date	2012-06-29T07:01:30	2012-06-29T07:21:18			
Read mode	TIMED	TIMED			

## 2.3 Aspect





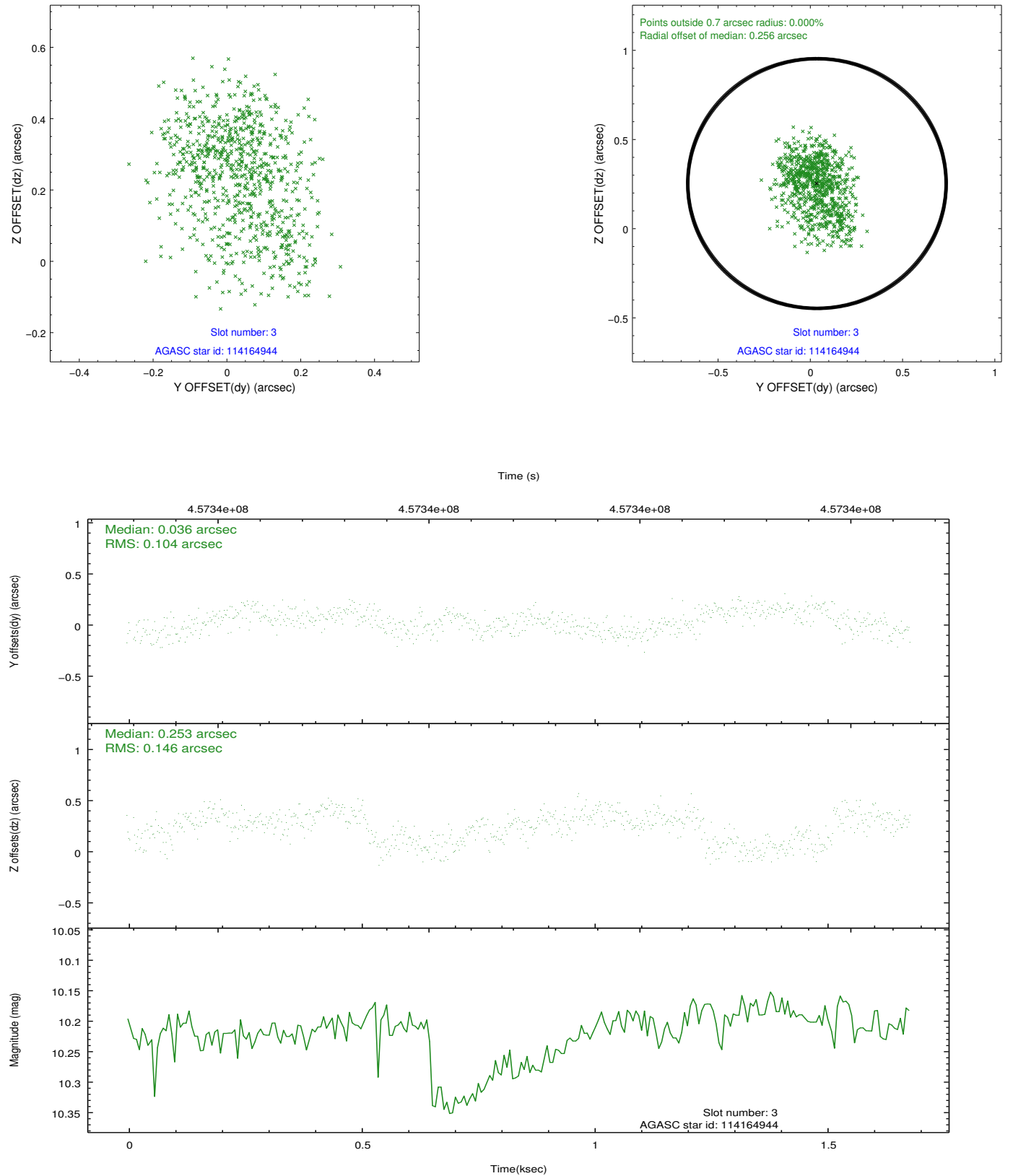
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	410	-0.046	-0.032	0.007	0.014	0.000000	0.000000	-764.21	-1733.87
1	FID	ACIS-S-4	7.01	410	0.164	0.031	0.006	0.014	0.000000	0.000000	2147.51	170.57
2	FID	ACIS-S-5	7.05	410	-0.150	0.010	0.007	0.013	0.000000	0.000000	-1812.10	168.74
3	GUIDE	114164944	10.21	816	0.036	0.253	0.195	0.316	180.270007	13.697960	-778.82	1557.68
4	GUIDE	114166896	8.54	821	-0.144	-0.018	0.085	0.135	179.504168	14.037928	-959.31	-1378.98
5	GUIDE	114167752	9.89	817	0.157	-0.169	0.195	0.305	179.209973	13.377409	1633.38	-1494.59
6	GUIDE	114168056	9.22	821	-0.052	0.212	0.092	0.154	180.233962	13.643992	-550.41	1508.87
7	GUIDE	114170064	10.25	817	0.003	-0.257	0.144	0.242	180.334331	14.021112	-1945.65	1348.74

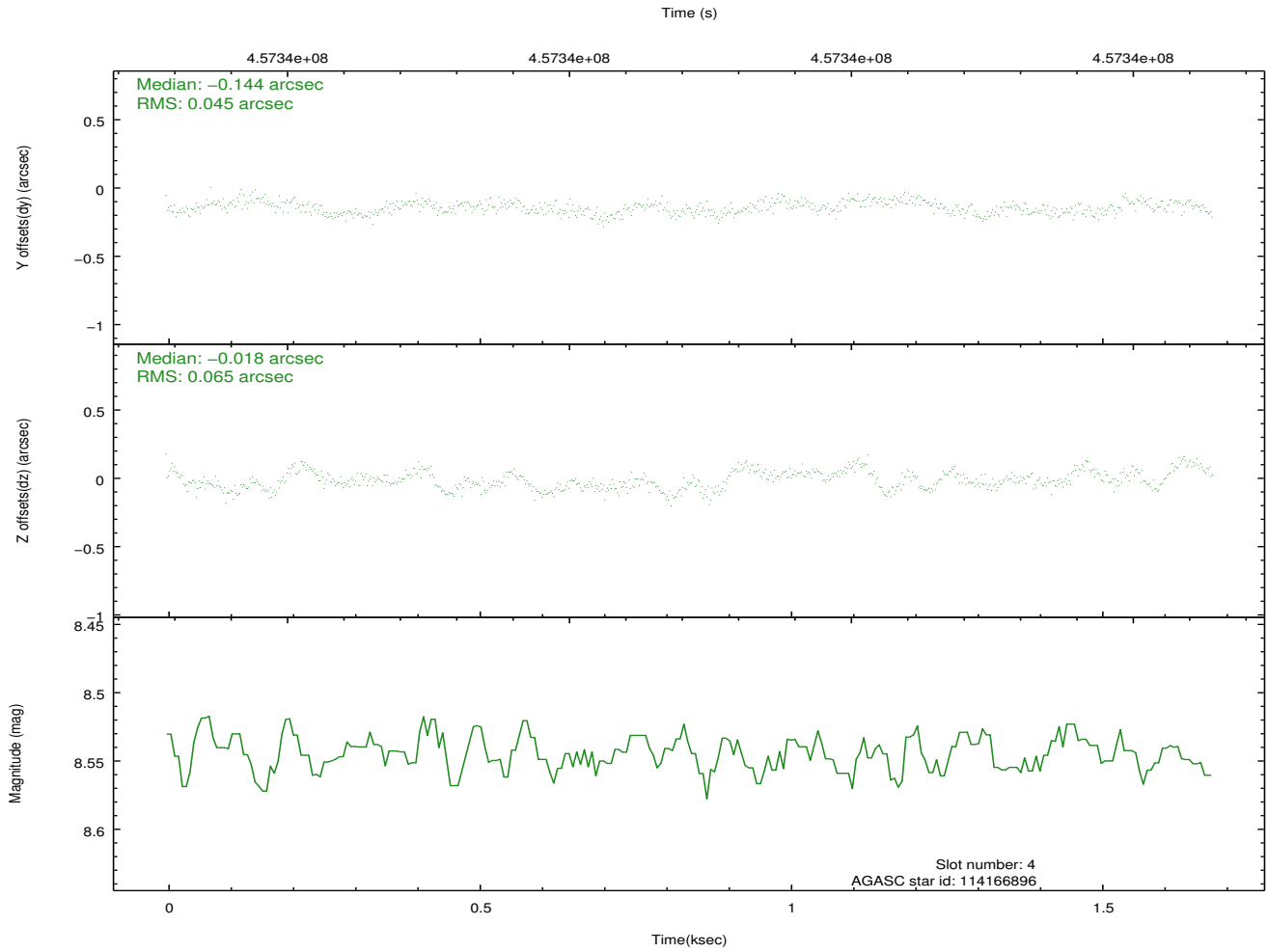
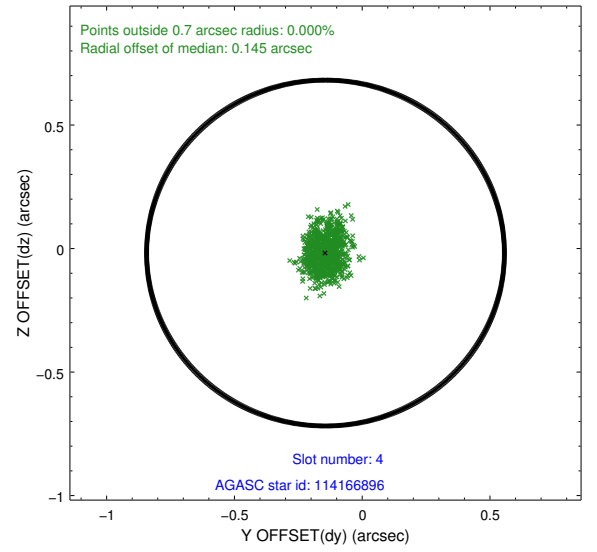
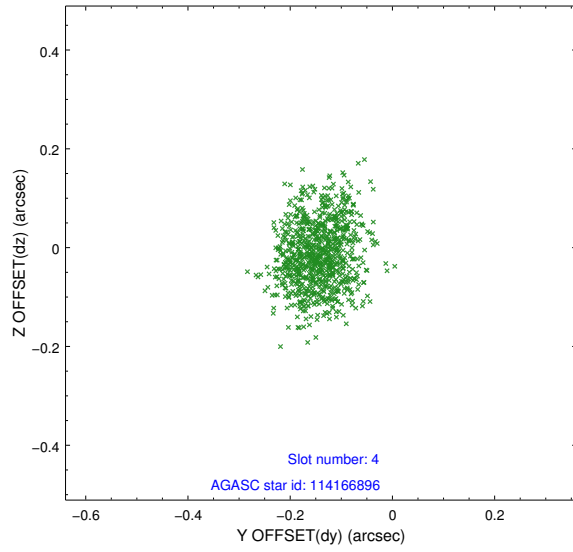


## 2.4 Star Slots

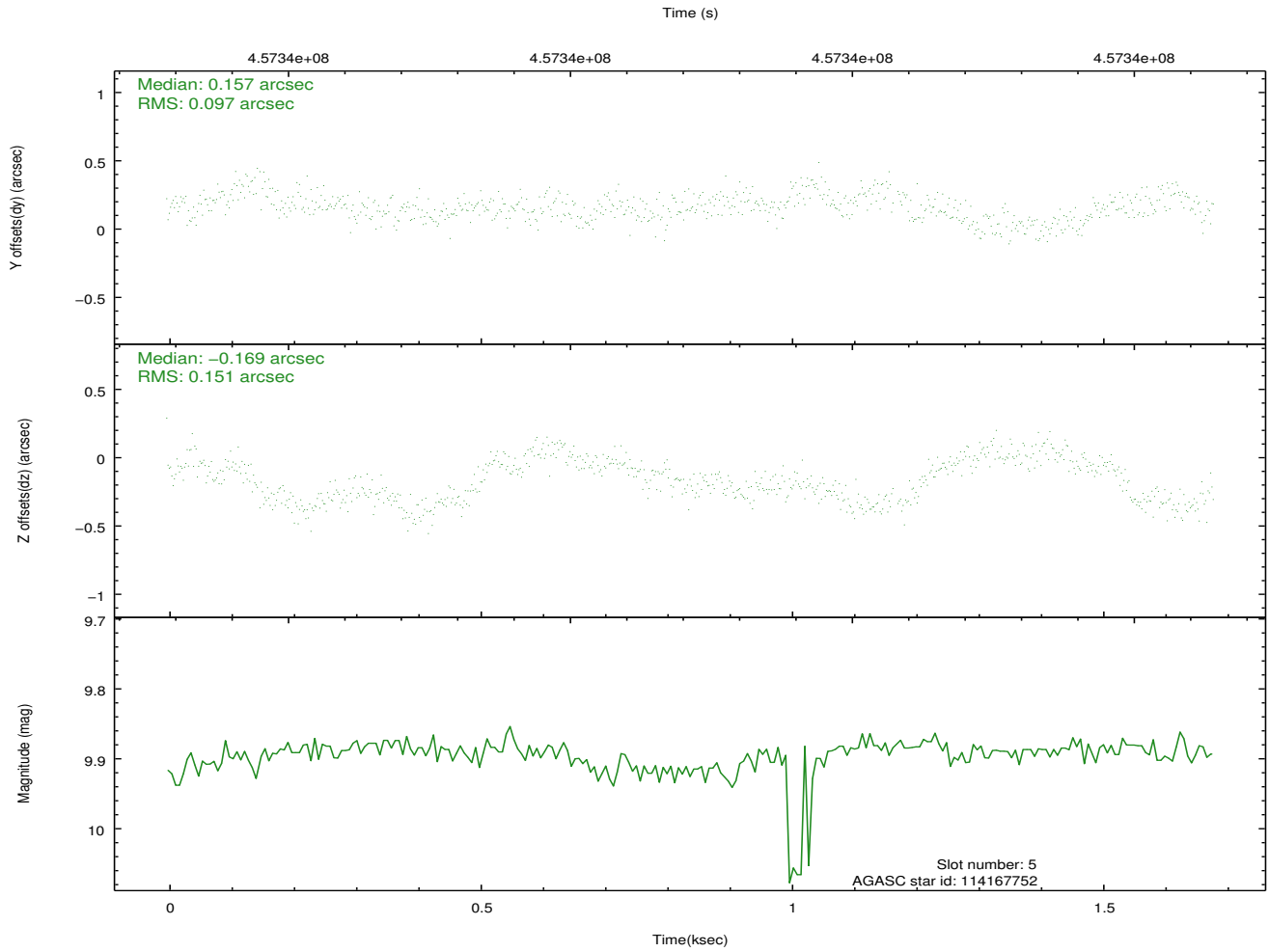
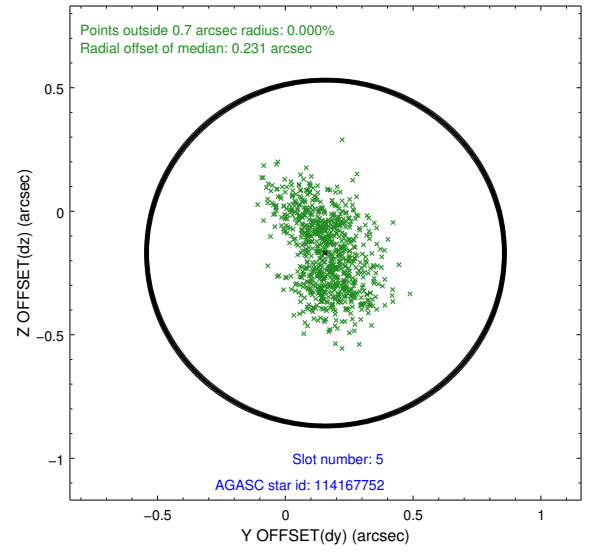
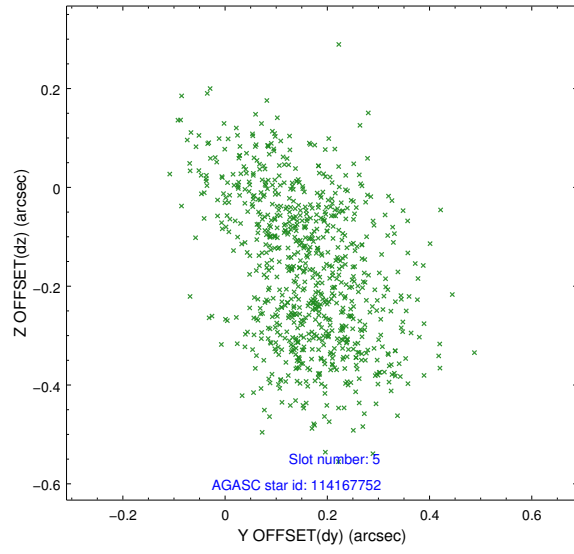
### 2.4.1 Slot 3



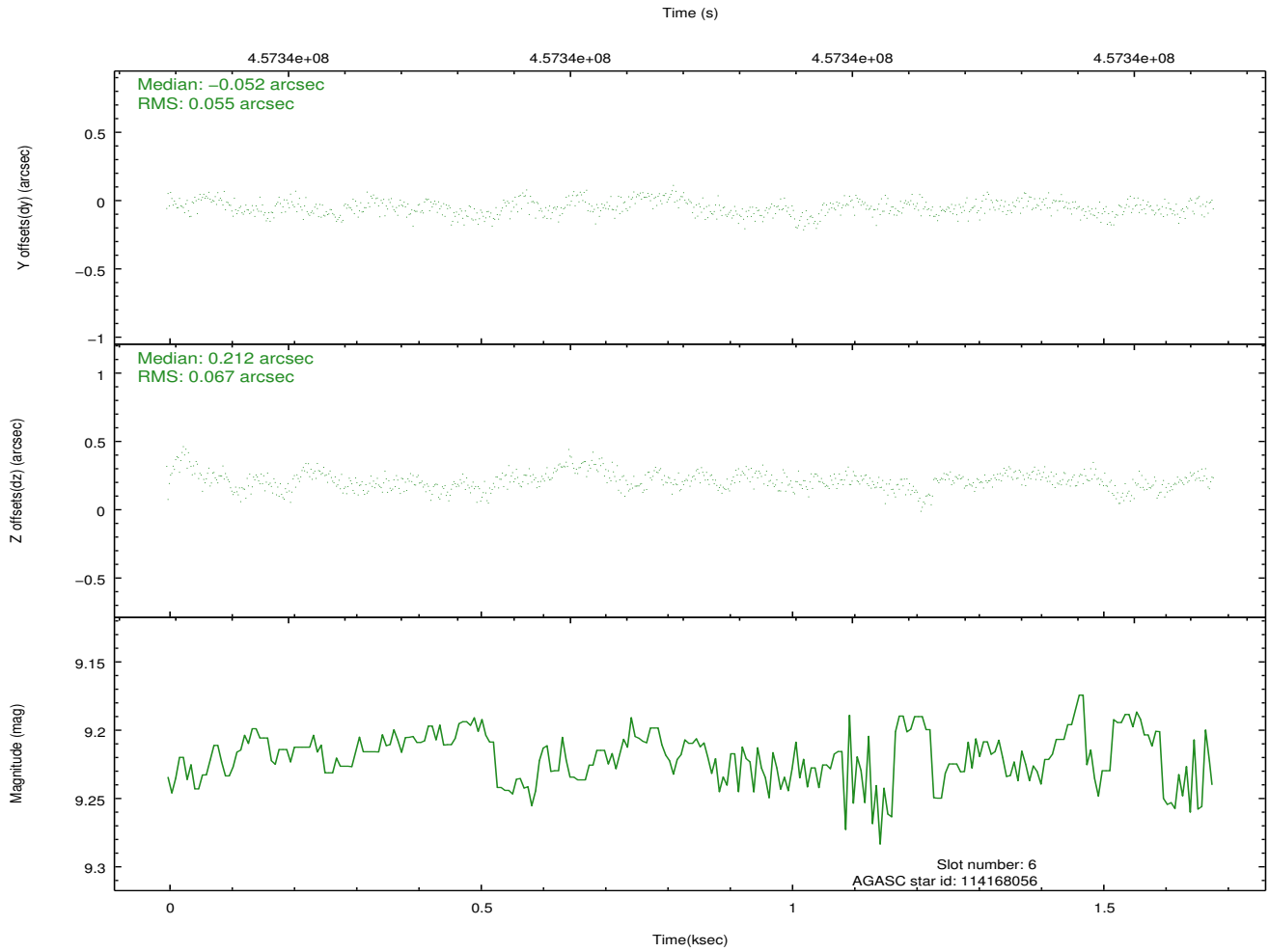
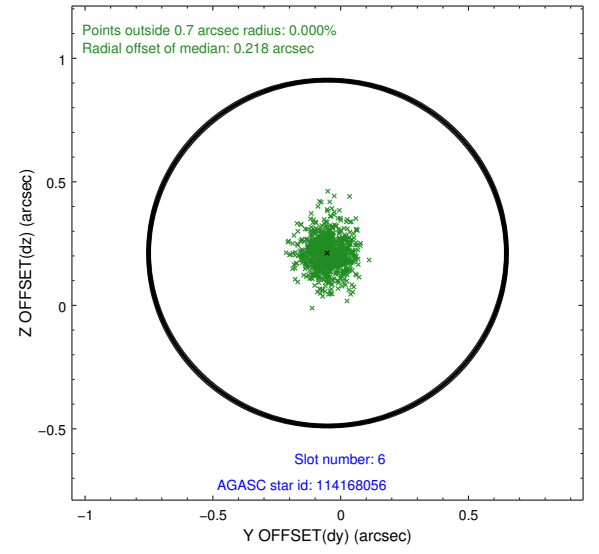
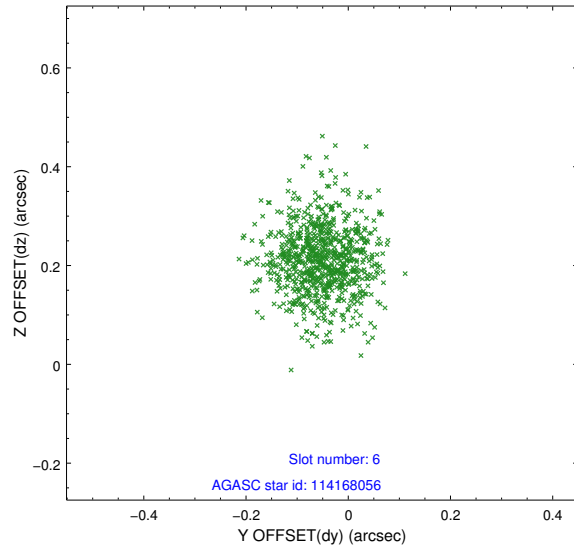
## 2.4.2 Slot 4



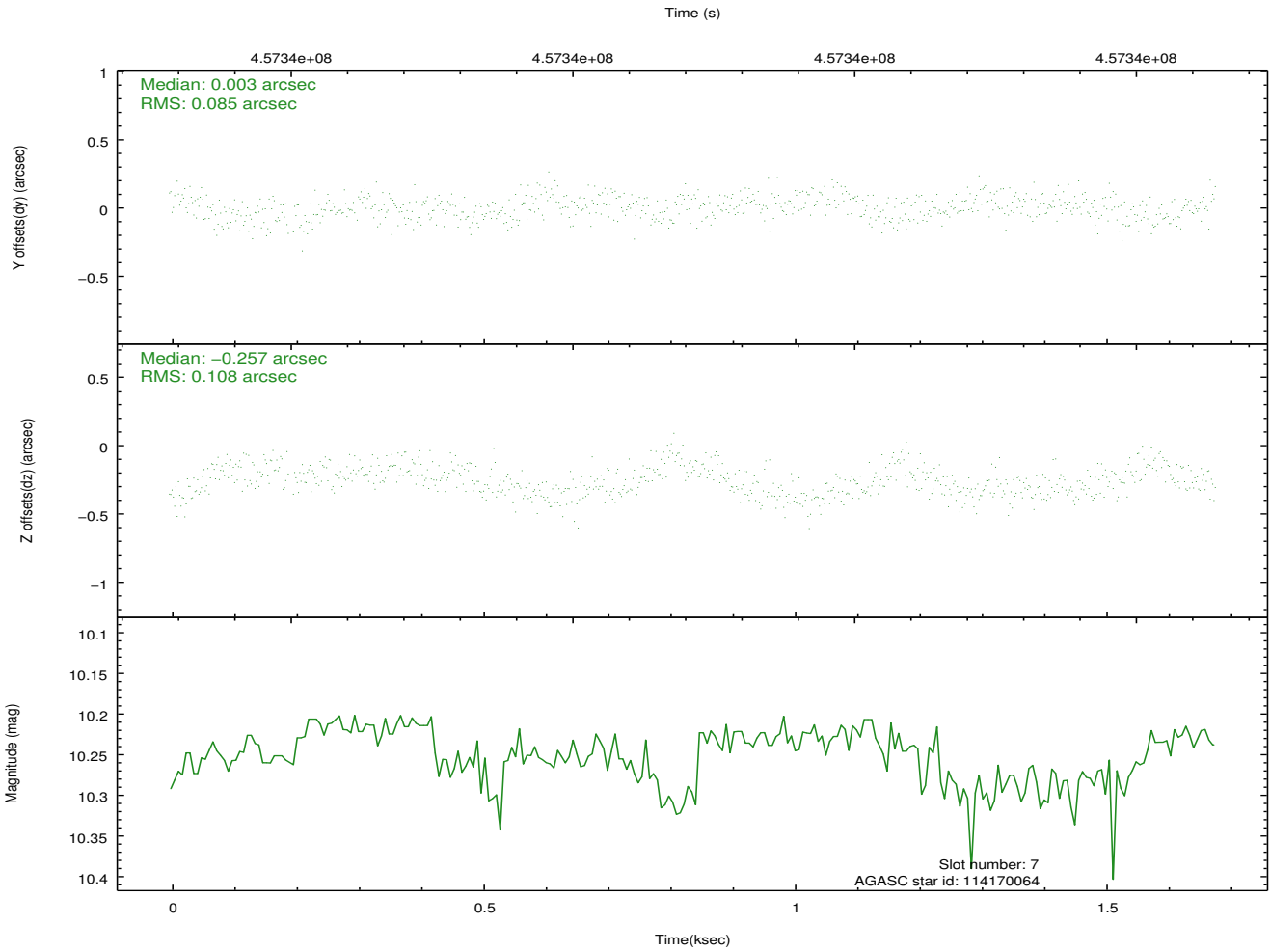
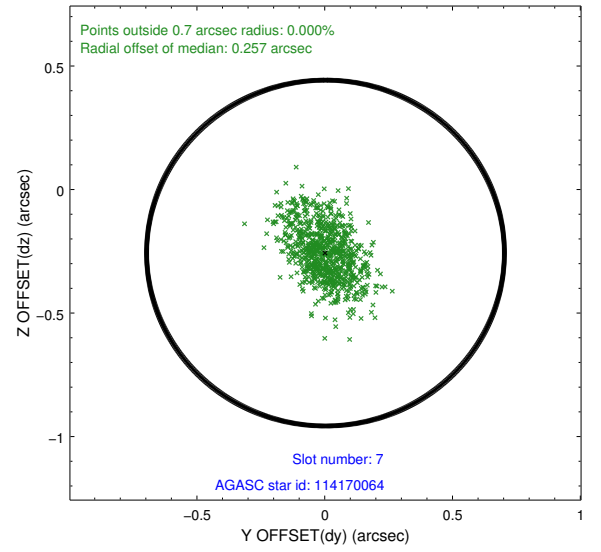
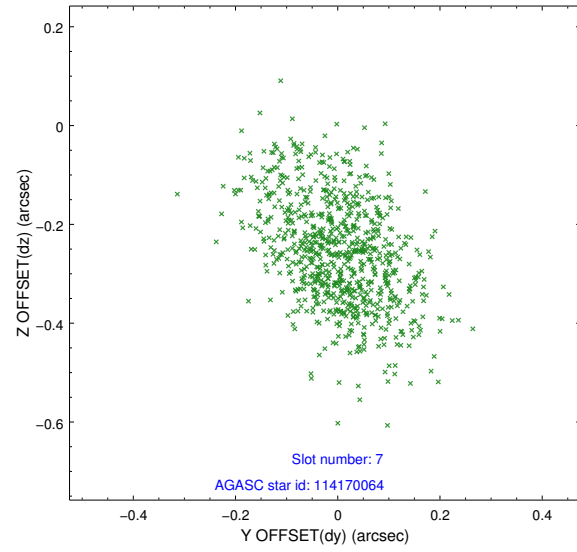
### 2.4.3 Slot 5



## 2.4.4 Slot 6

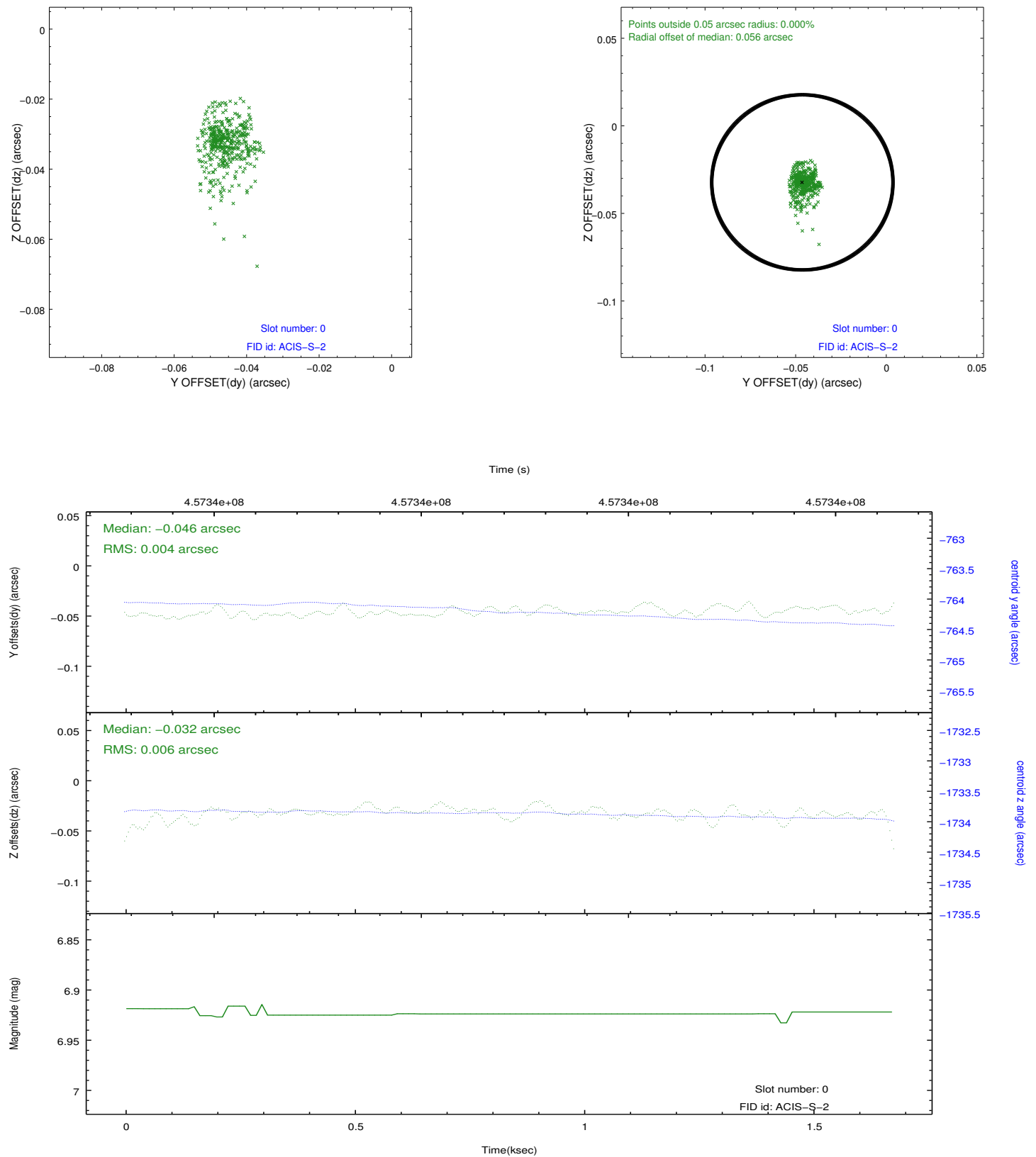


## 2.4.5 Slot 7

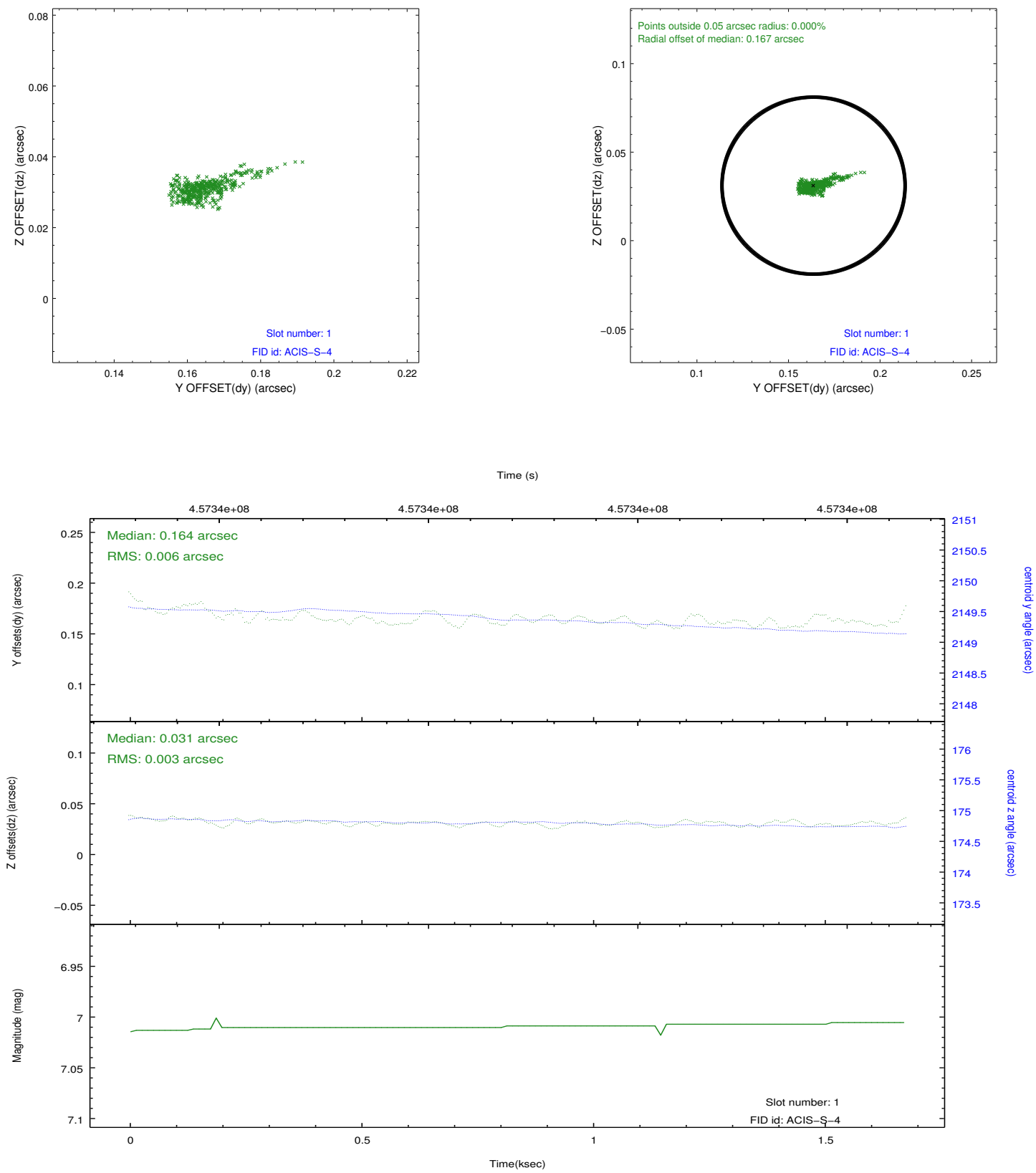


## 2.5 FID Slots

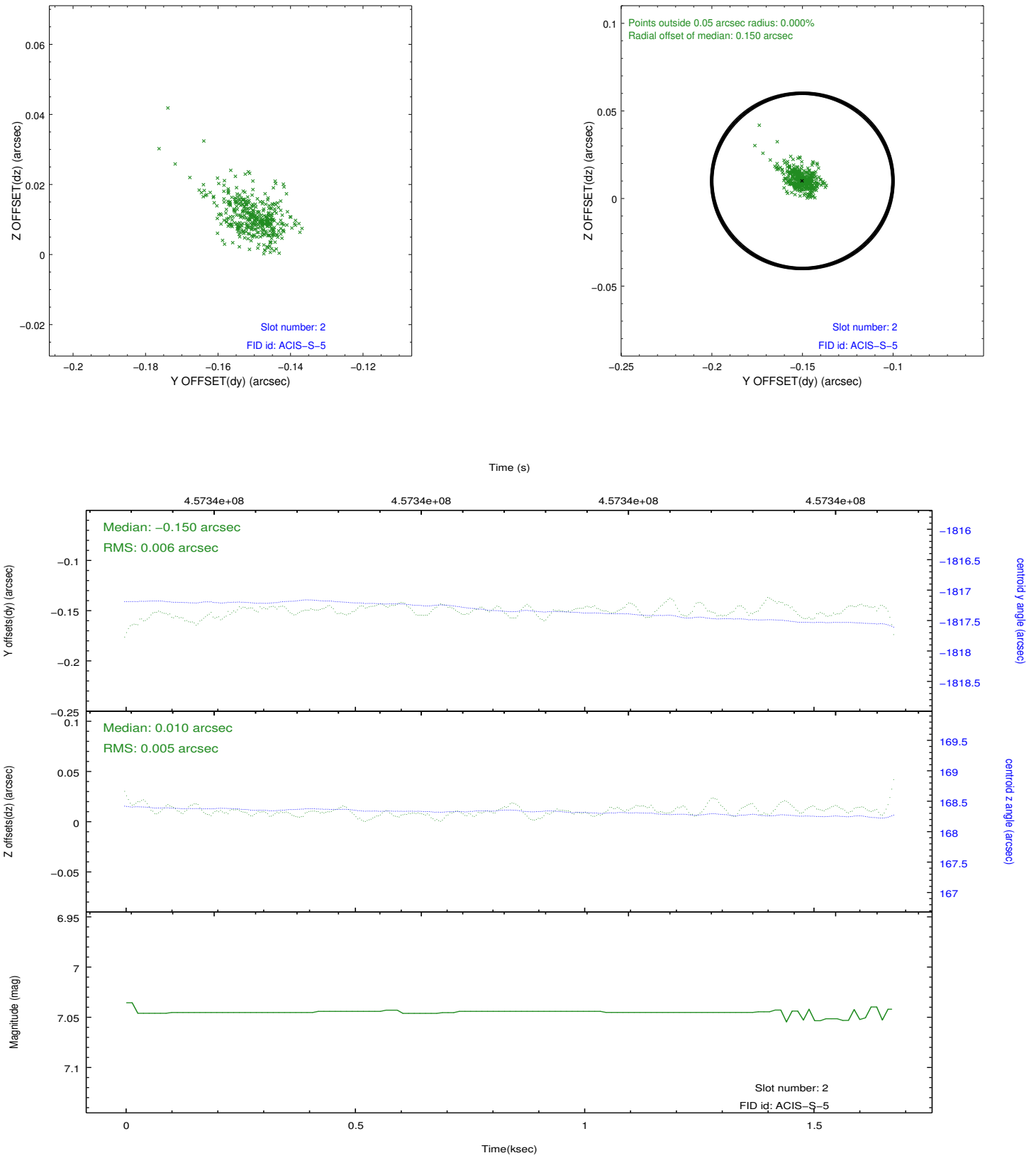
### 2.5.1 Slot 0



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)	2012.06.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.580260045886

### A.2 Comments