

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13348 - L2 Version 2  
Chandra X-Ray Center

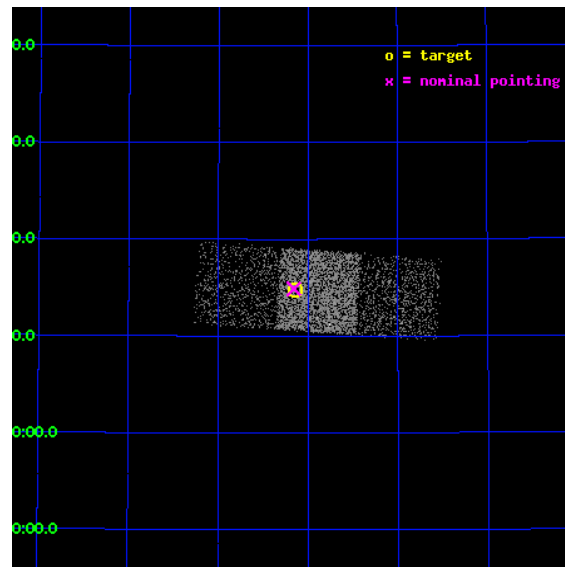
L2 Processing Date : Feb 26 2012

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# 1 Front

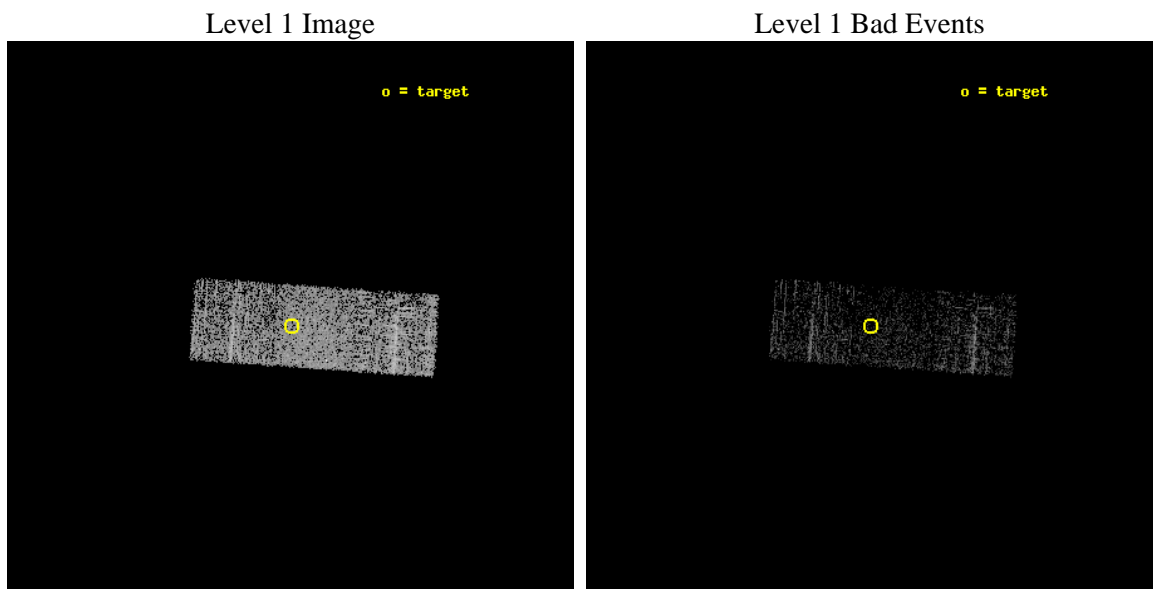
seq_num	702555	Sequence number
obs_id	13348	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J1454+5114	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	223.537083	Observer's specified target RA [deg]
dec_targ	51.245472	Observer's specified target Dec [deg]
ra_nom	223.53932649677	Nominal RA [deg]
dec_nom	51.248077045779	Nominal Dec [deg]
roll_nom	4.0048584953147	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1561.4606364369	Sum of GTIs [s]
livetime	1541.0590036913	Livetime [s]
ontime6	1561.4195964336	Sum of GTIs [s]
ontime7	1561.4606364369	Sum of GTIs [s]
ontime8	1561.3785564303	Sum of GTIs [s]
l2events	6816	Number of level 2 events



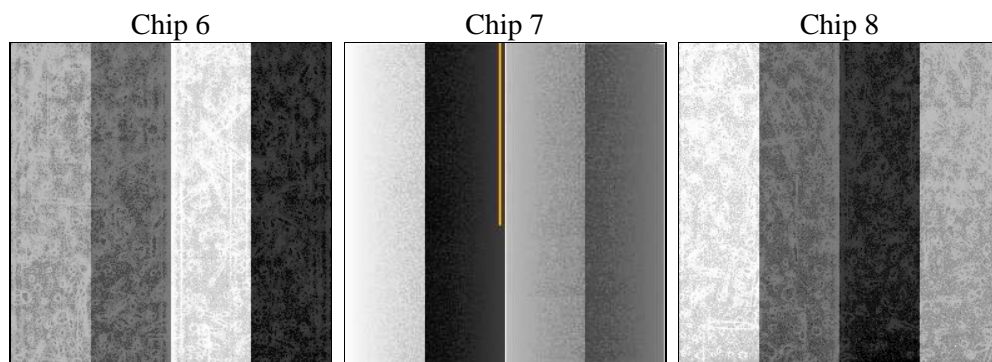
## 2 OBI

### 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	1561.4606364369	Sum of GTIs [s]
caldbver	4.4.8	&#160	ontime6	1561.4195964336	Sum of GTIs [s]
date	2012-02-26T05:17:59	Date and time of file creation	ontime7	1561.4606364369	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	1561.3785564303	Sum of GTIs [s]
			l1events	29483	Number of level 1 events

### 2.1.4 Events

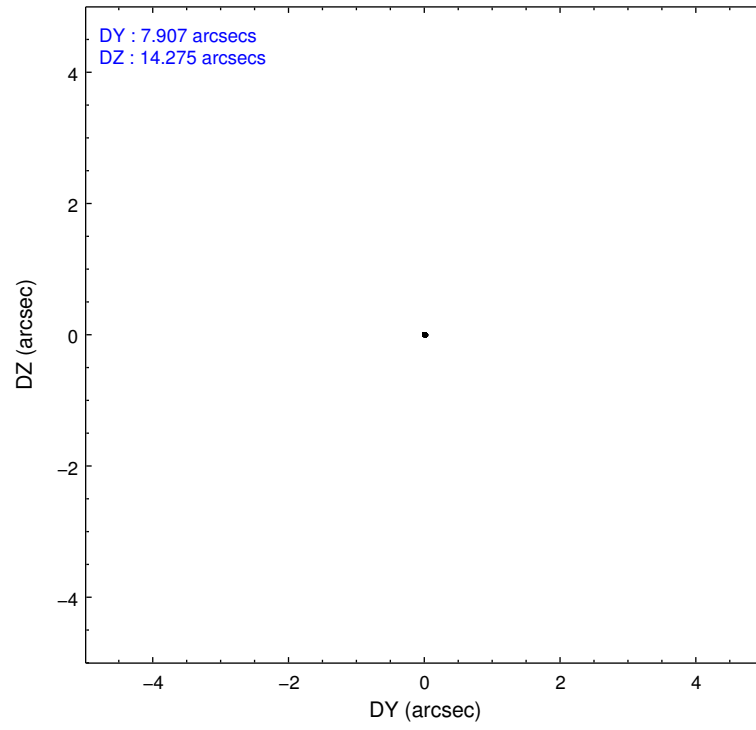
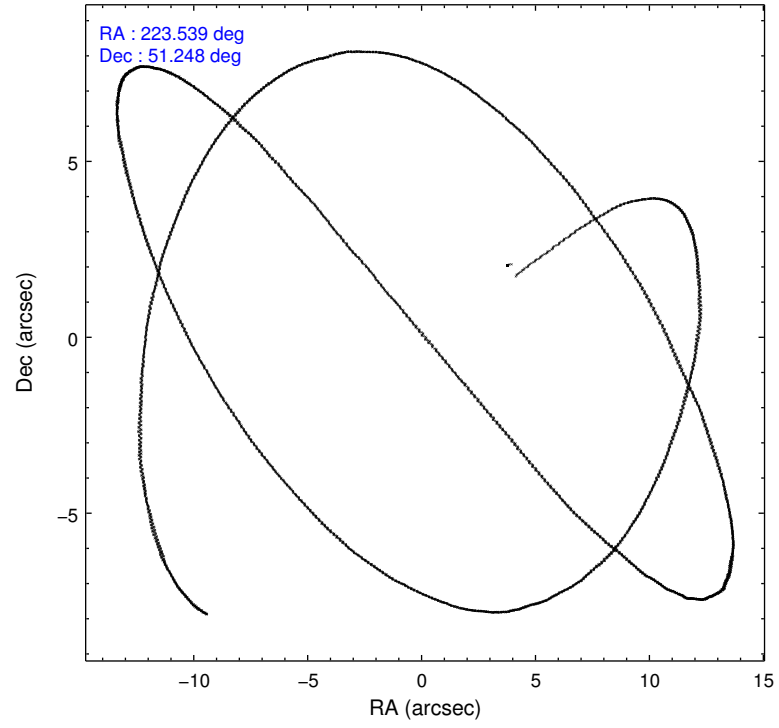
	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
level 1 events	8519	9979	10985
rejected events	7482	5050	7902
rejected %	87%	50%	71%

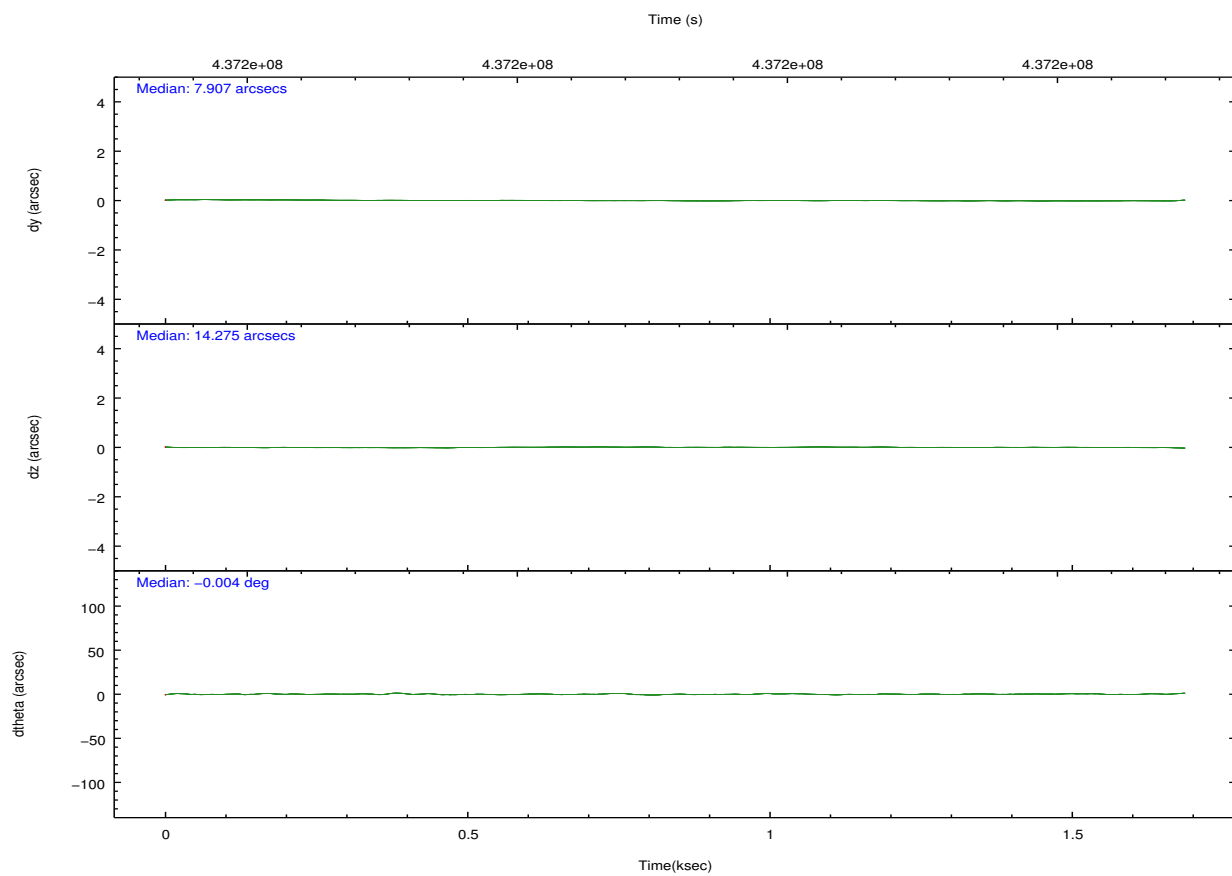
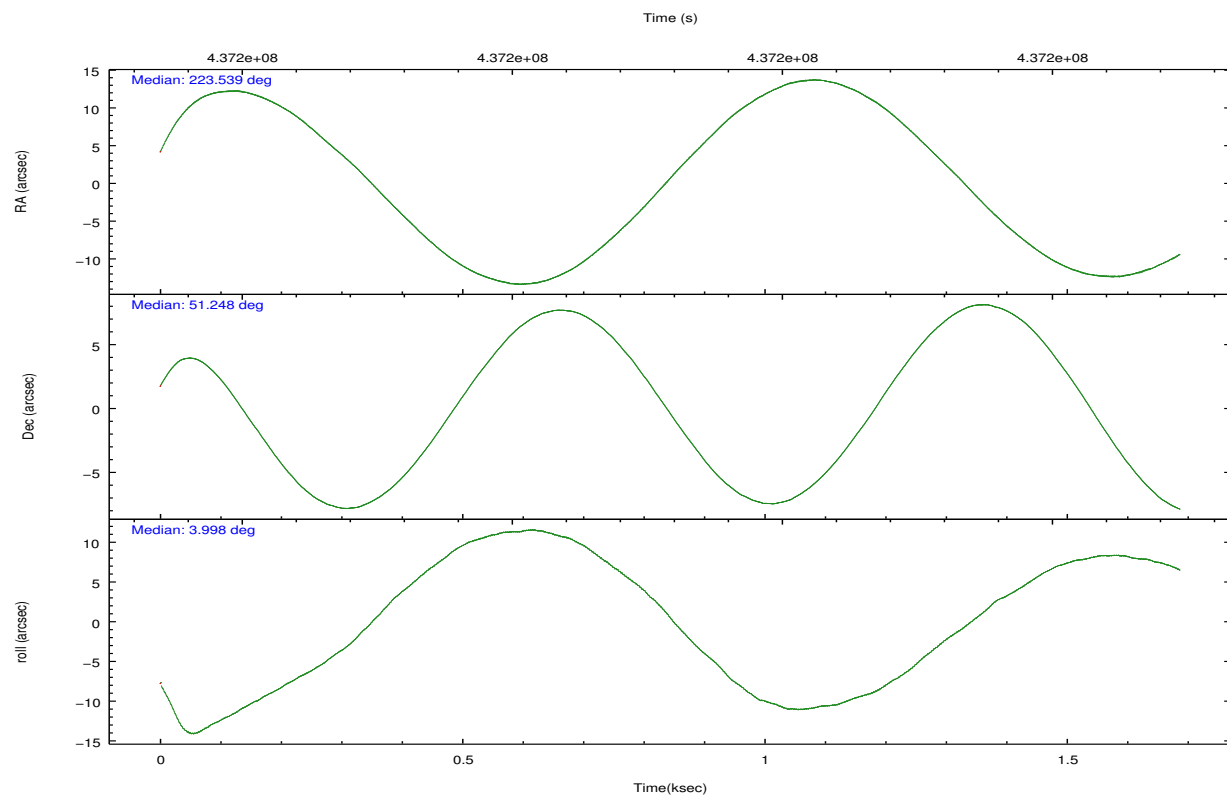
	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
grade 0 events	373	548	932
	4%	5%	8%
grade 1 events	5	15	7
	0%	0%	0%
grade 2 events	223	997	736
	2%	9%	6%
grade 3 events	108	429	361
	1%	4%	3%
grade 4 events	119	468	307
	1%	4%	2%
grade 5 events	369	1078	550
	4%	10%	5%
grade 6 events	216	2509	751
	2%	25%	6%
grade 7 events	7106	3935	7341
	83%	39%	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	223.503524	223.5393264967687	Subarray requested	NONE	NONE
[deg] Pointing Dec	51.232525	51.24807704577911	Alternating exposures requested	N	N
[deg] Pointing Roll	3.876171	4.004858495314714	[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)	437203130.184000	437201690.21774			
Observation start date	2011-11-09T05:17:44	2011-11-09T04:54:50			
[s] Observation end time (MET)	437204630.184000	437205586.24295			
Observation end date	2011-11-09T05:42:44	2011-11-09T05:59:46			
Read mode	TIMED	TIMED			

## 2.3 Aspect





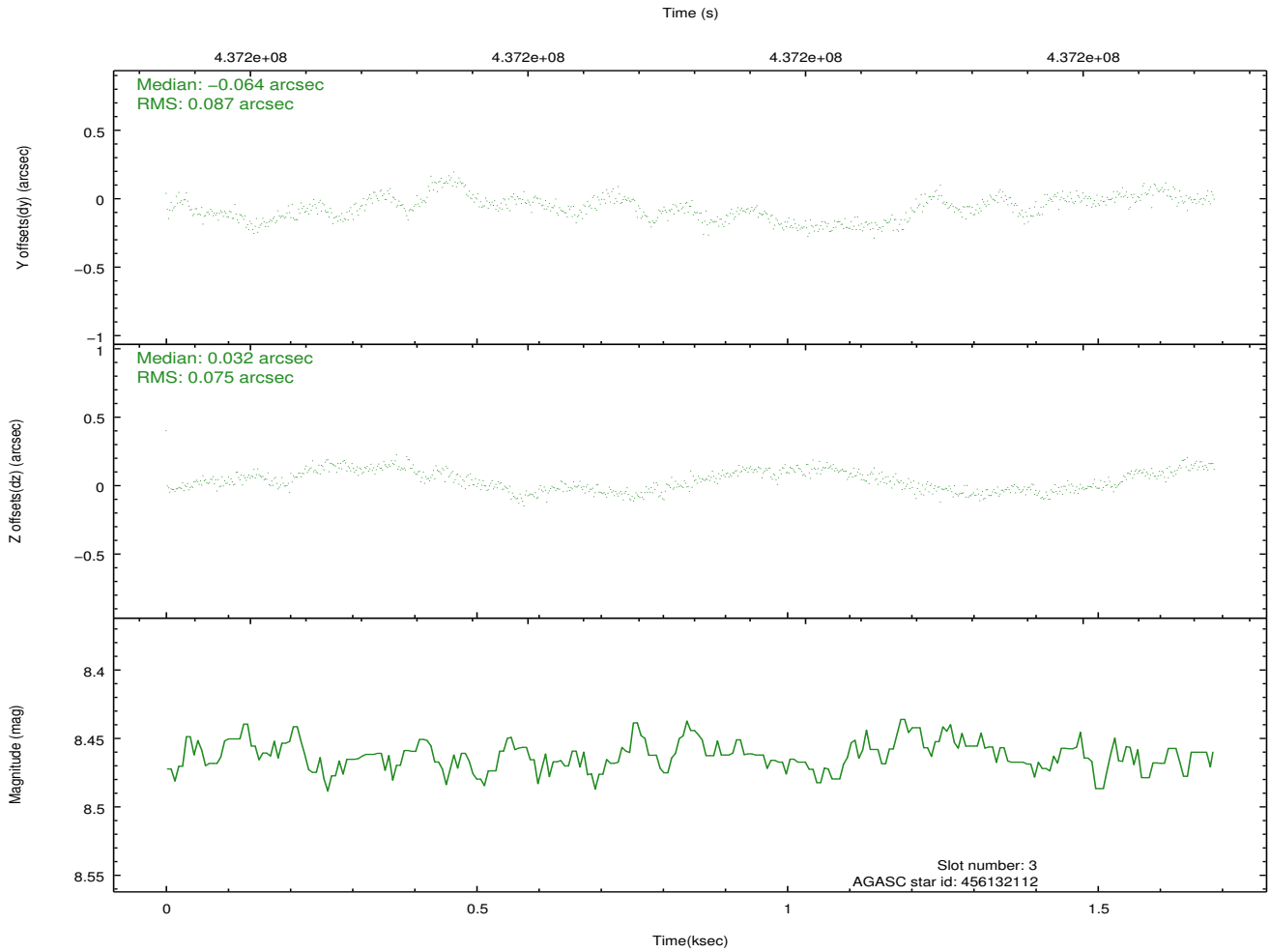
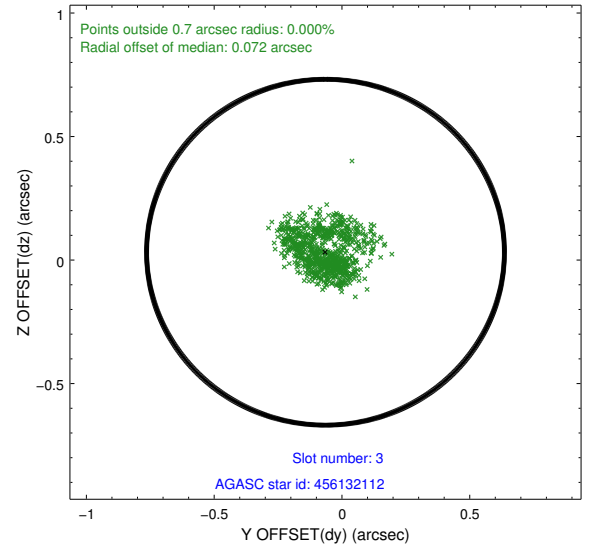
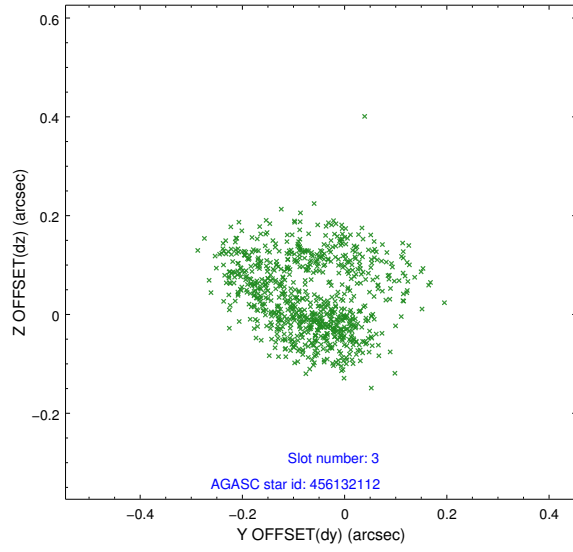
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	412	-0.071	-0.045	0.005	0.008	0.000000	0.000000	-760.77	-1735.68
1	FID	ACIS-S-4	6.97	412	0.106	0.023	0.005	0.009	0.000000	0.000000	2150.92	168.80
2	FID	ACIS-S-6	7.10	412	-0.063	0.029	0.006	0.010	0.000000	0.000000	406.26	810.66
3	GUIDE	456132112	8.46	824	-0.064	0.032	0.125	0.188	224.374791	50.852871	1884.82	-1485.51
4	GUIDE	456132216	9.00	821	0.002	0.145	0.094	0.156	224.533092	50.929795	2261.05	-1230.26
5	GUIDE	456132976	8.52	824	-0.178	-0.151	0.072	0.115	223.690790	51.749836	545.09	1829.11
6	GUIDE	456137896	7.45	823	0.029	-0.021	0.065	0.104	222.694463	51.528719	-1734.04	1198.08
7	GUIDE	456131344	9.23	823	0.217	-0.009	0.106	0.167	224.449903	51.935465	2265.86	2398.71

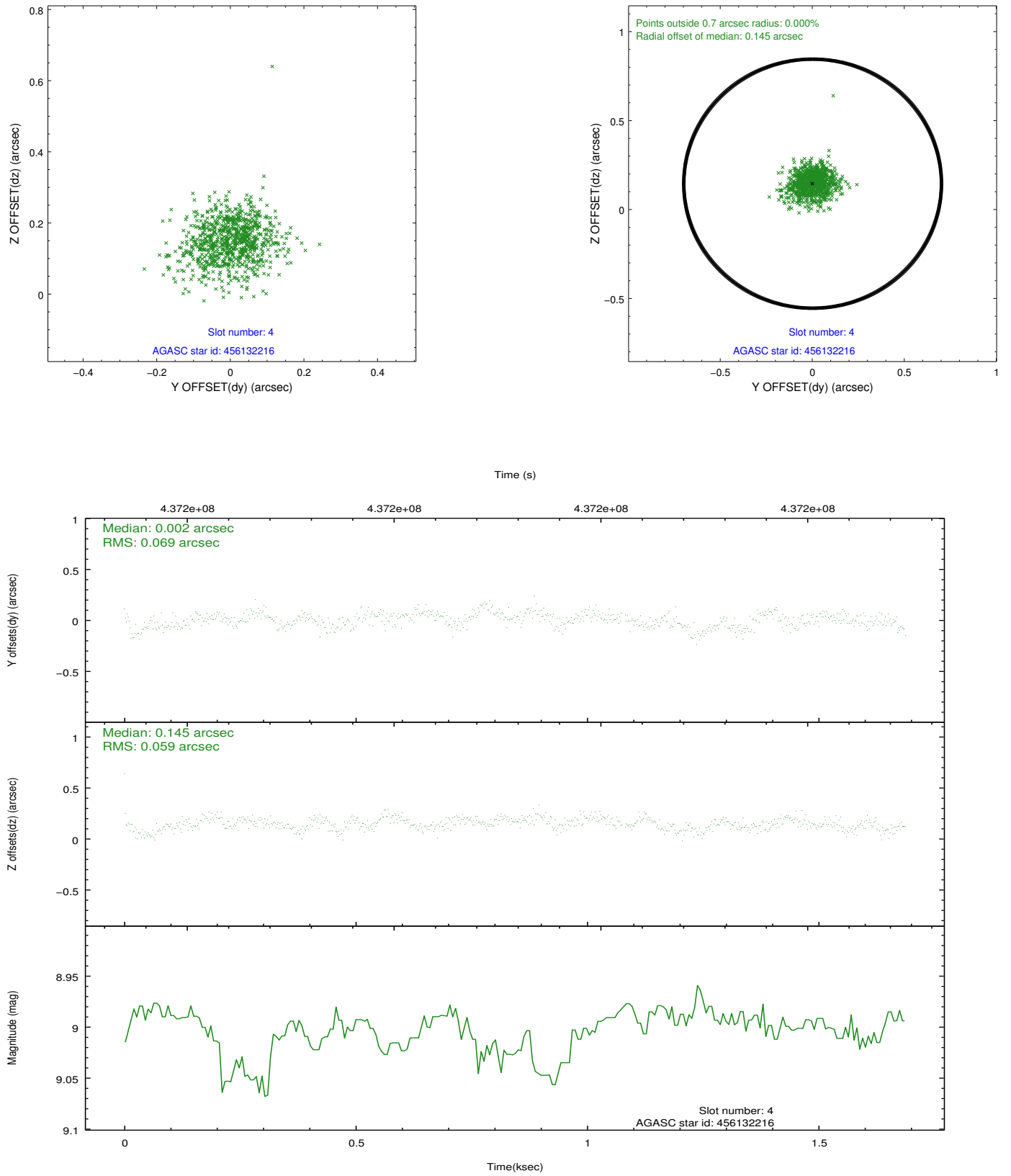


## 2.4 Star Slots

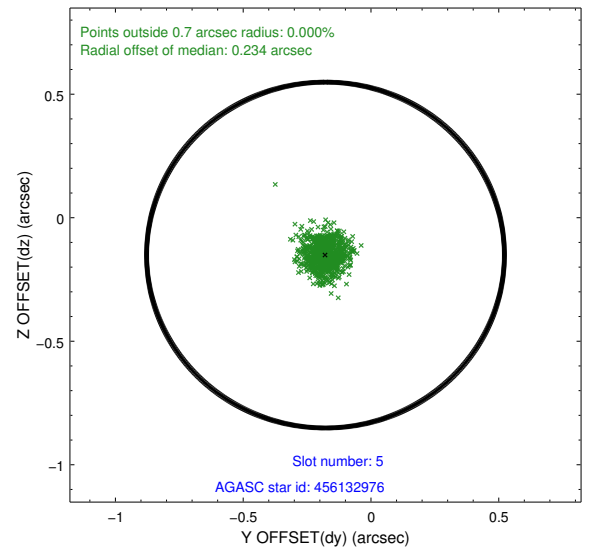
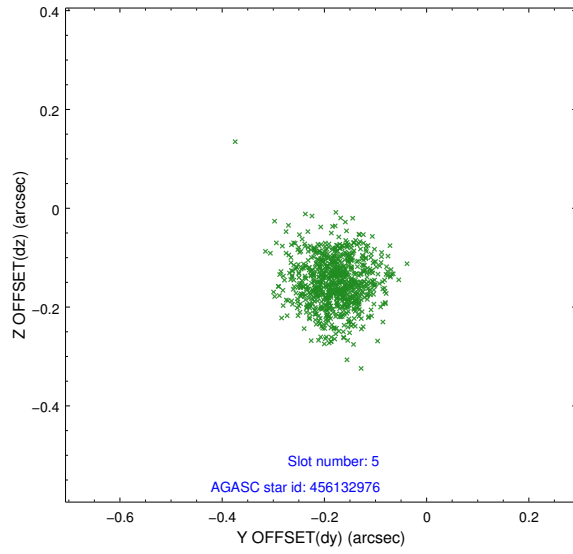
### 2.4.1 Slot 3



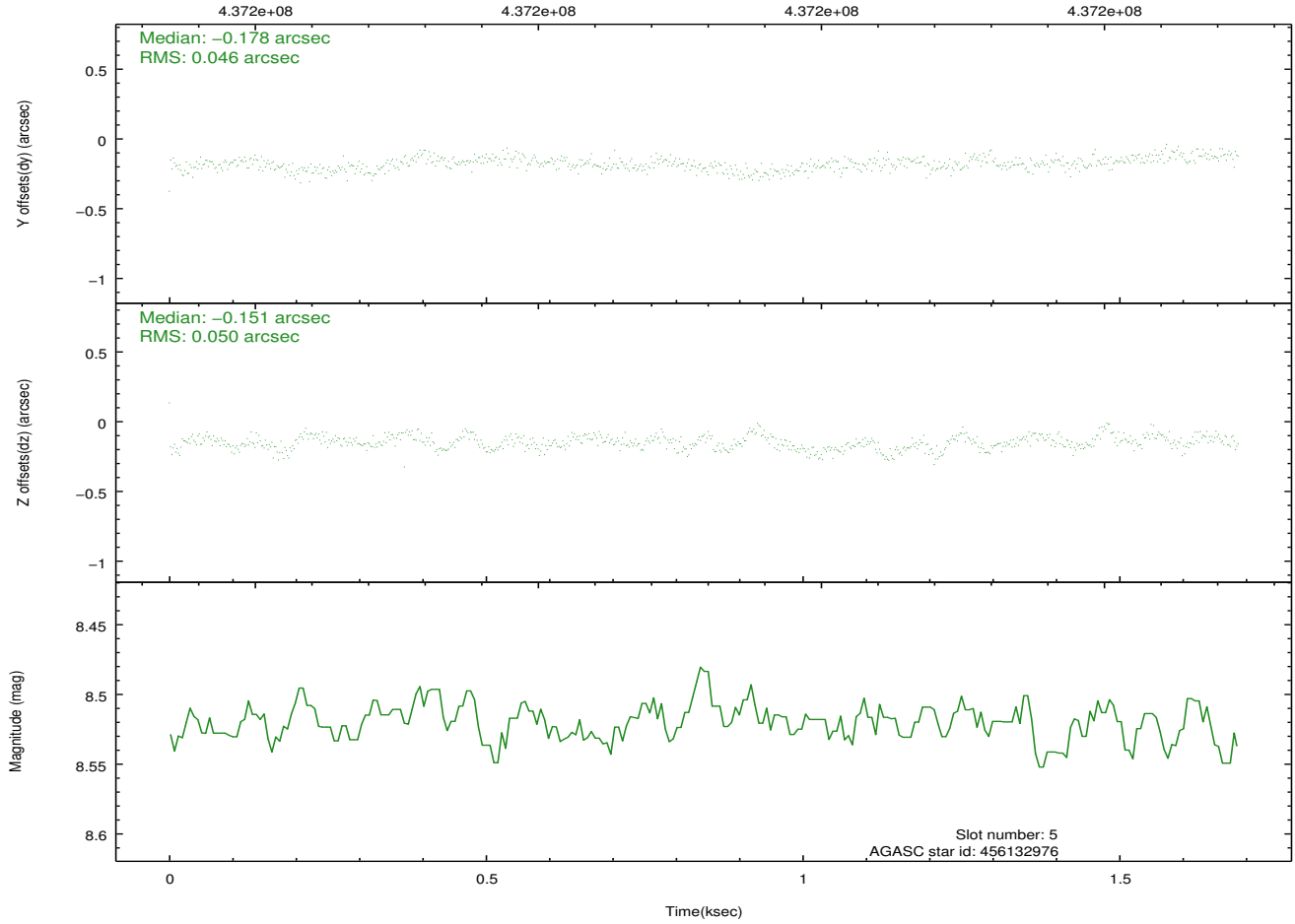
## 2.4.2 Slot 4



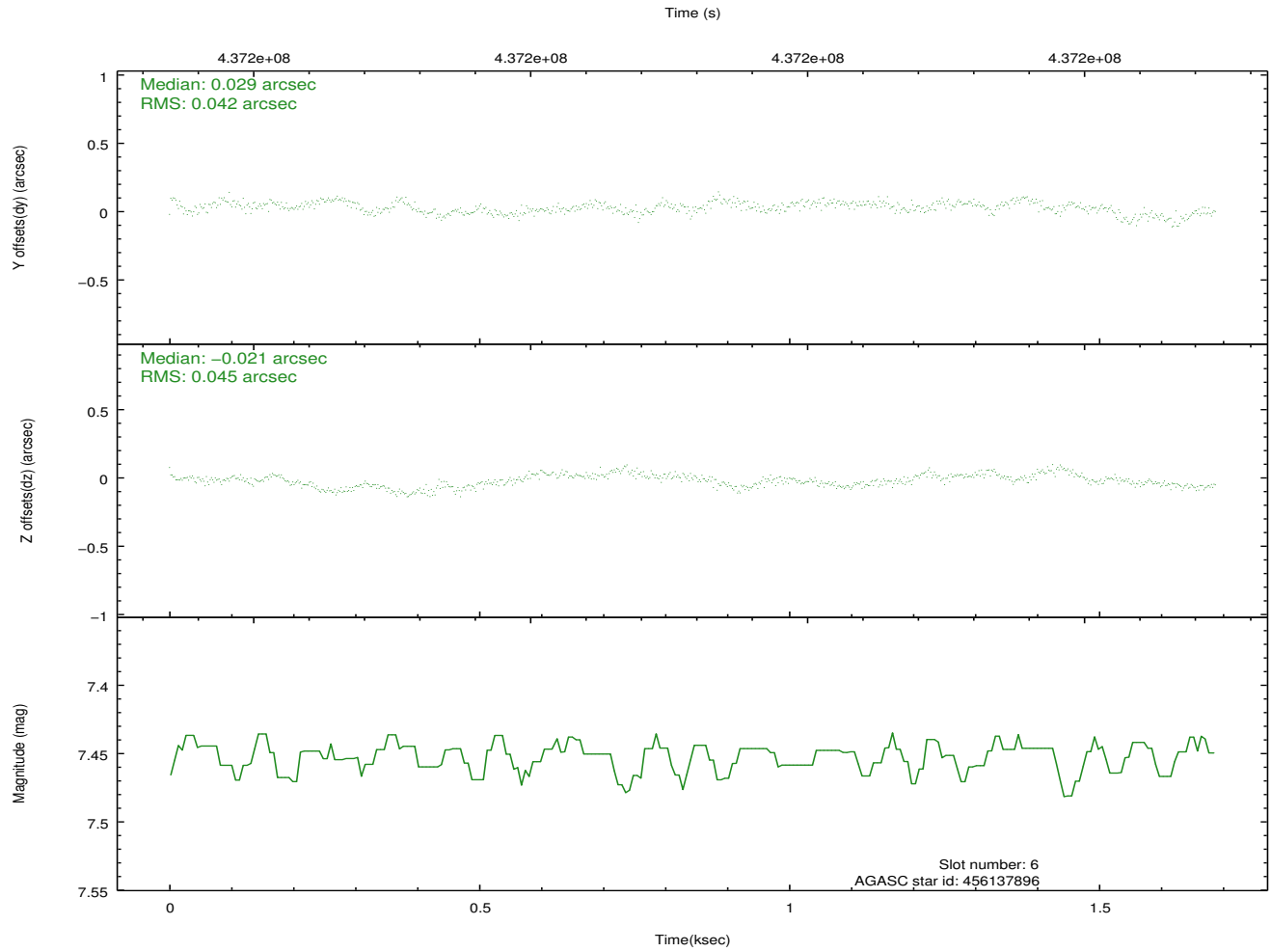
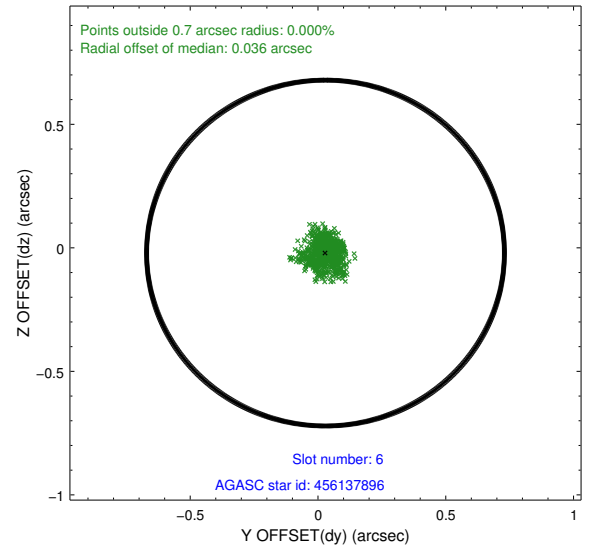
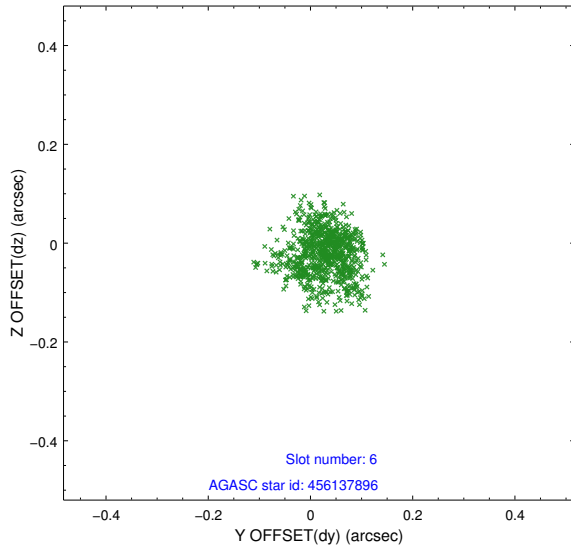
### 2.4.3 Slot 5



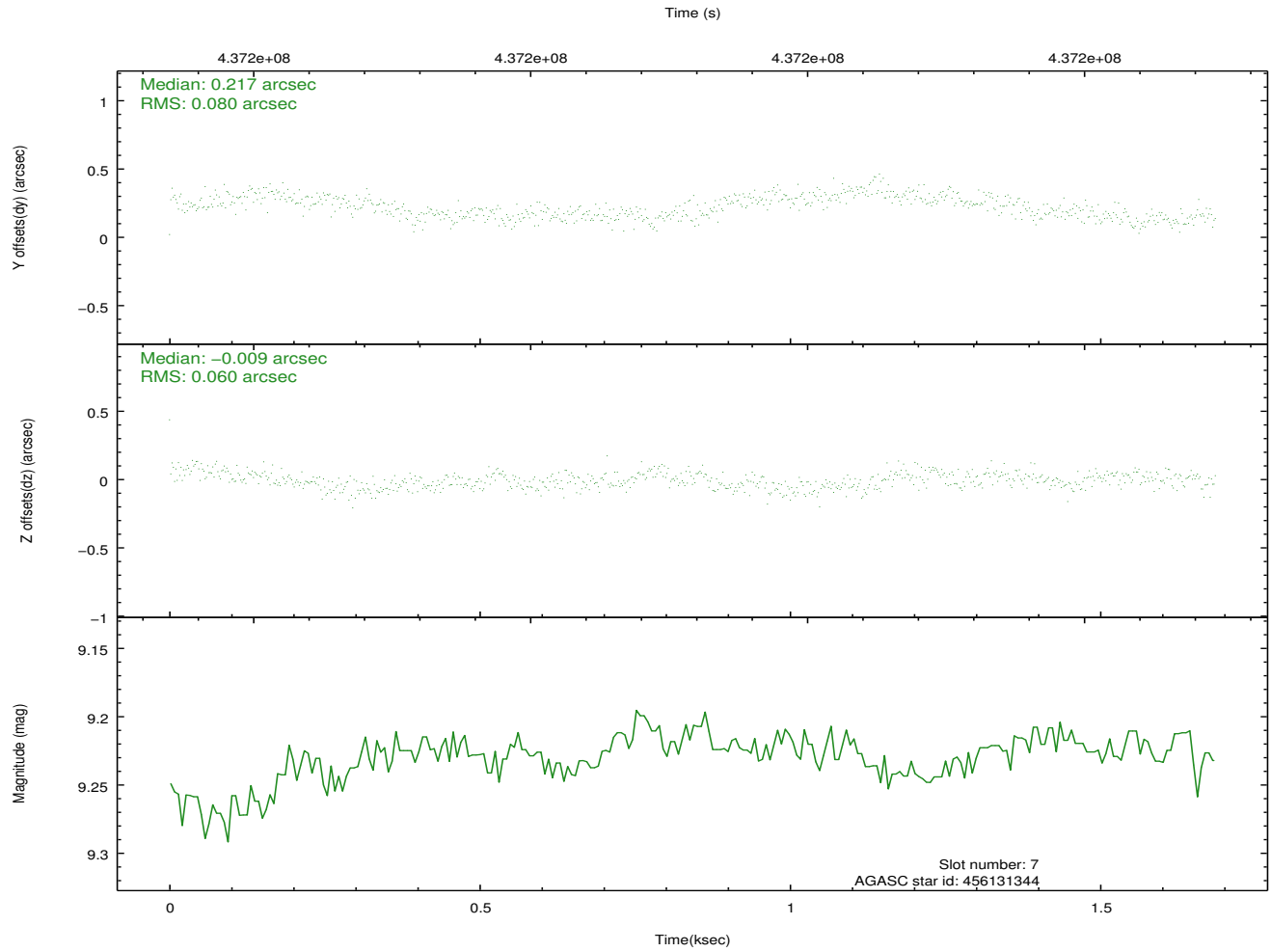
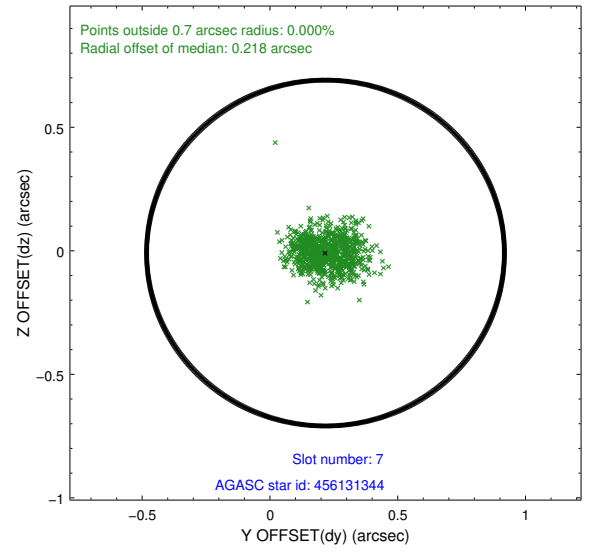
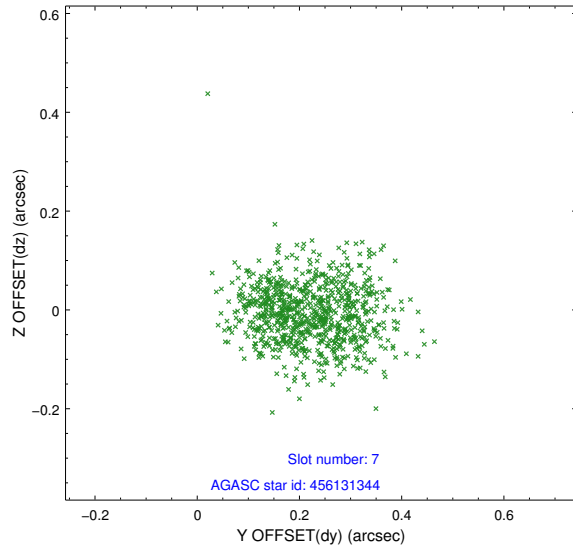
Time (s)



## 2.4.4 Slot 6

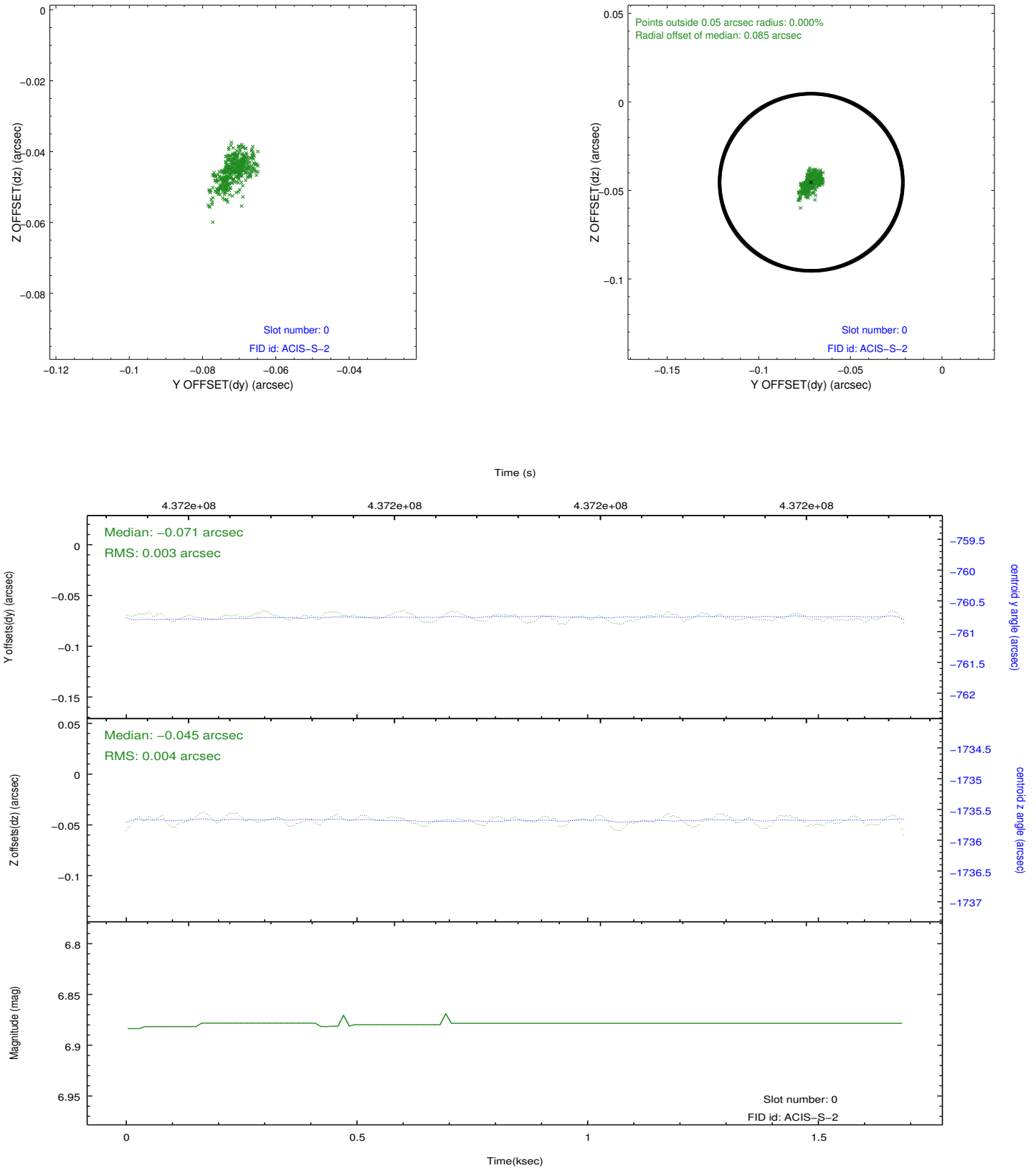


## 2.4.5 Slot 7

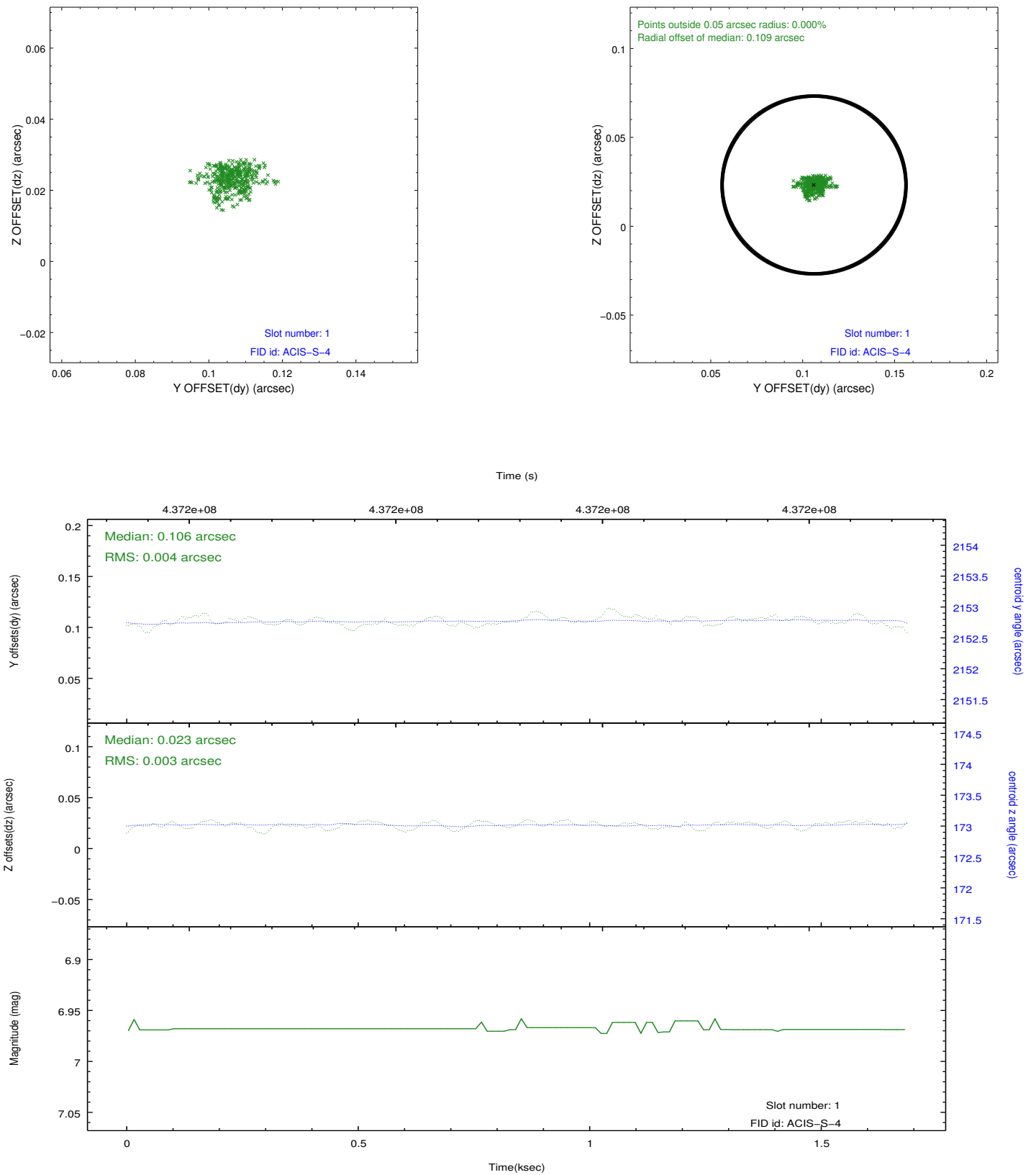


## 2.5 FID Slots

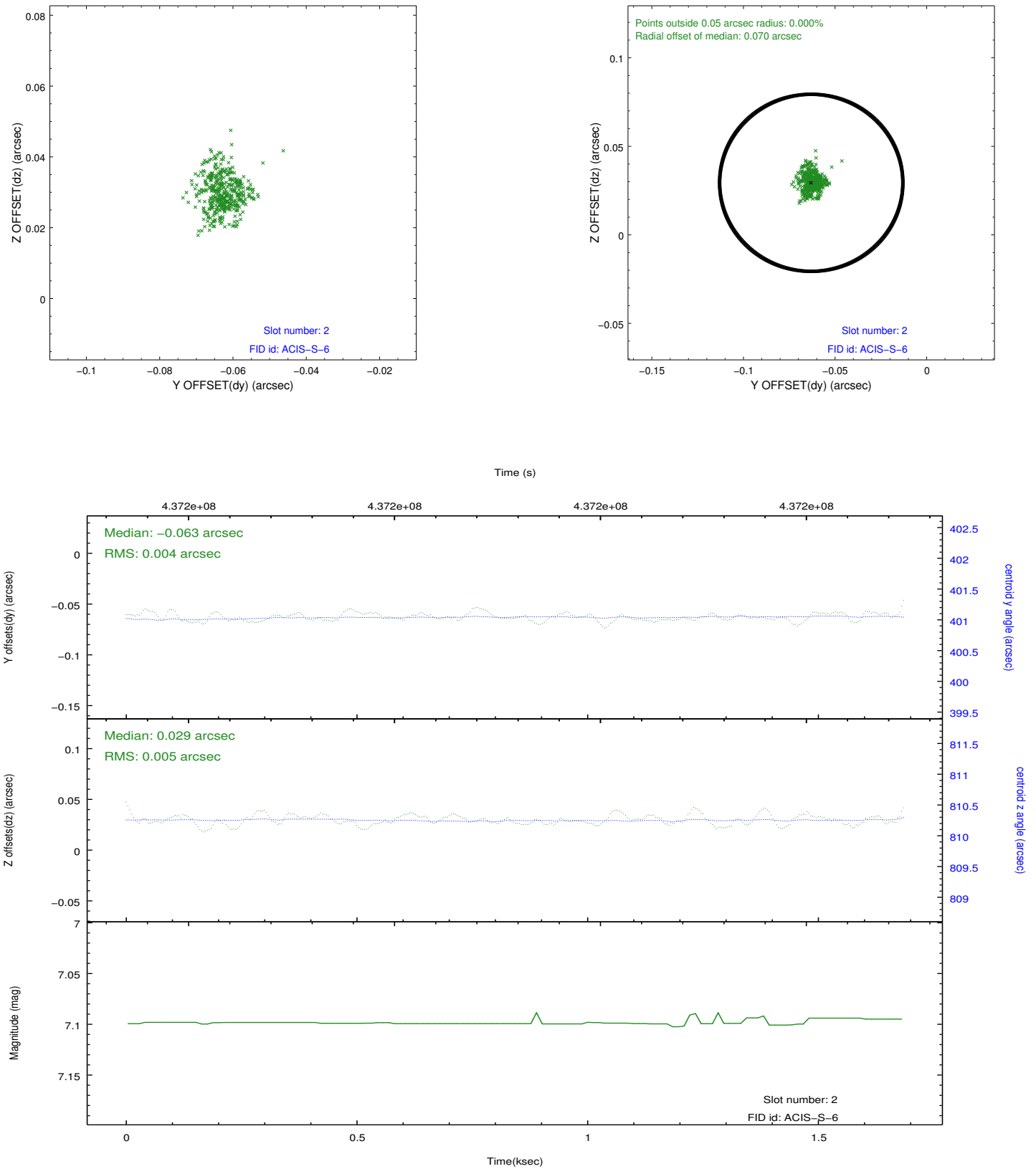
### 2.5.1 Slot 0



## 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	1.5614606431723

### A.2 Comments