

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 13310 - L2 Version 1  
Chandra X-Ray Center

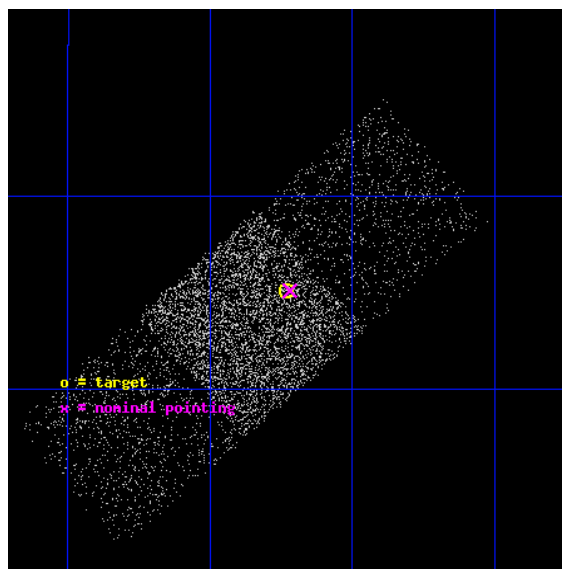
L2 Processing Date : May 4 2012

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# 1 Front

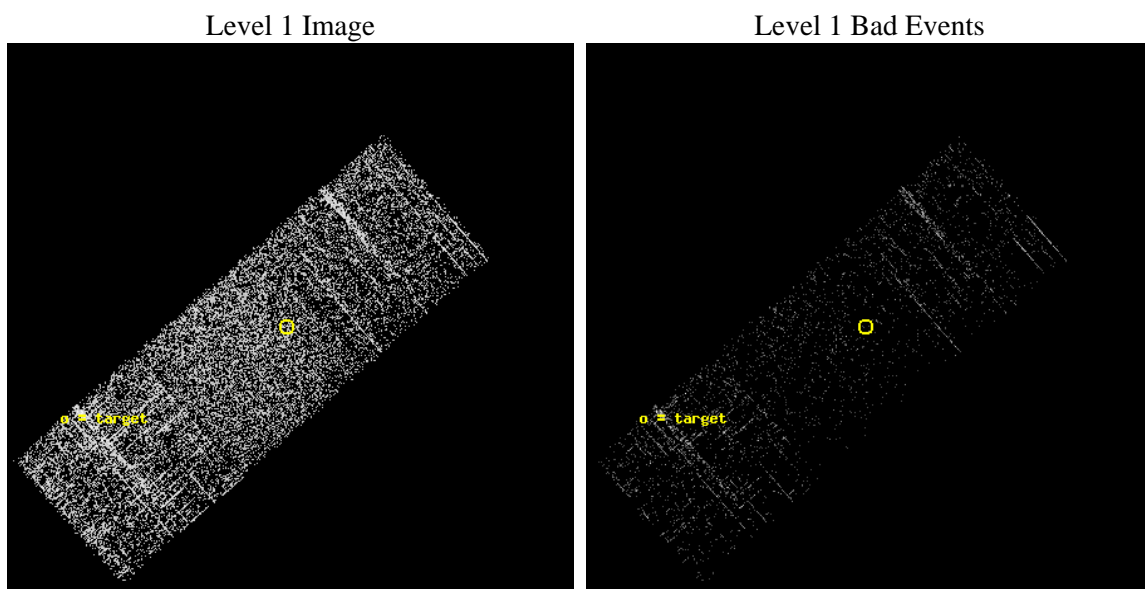
seq_num	702517	Sequence number
obs_id	13310	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J1608+0715	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	242.182917	Observer's specified target RA [deg]
dec_targ	7.252389	Observer's specified target Dec [deg]
ra_nom	242.17988007867	Nominal RA [deg]
dec_nom	7.2516735086637	Nominal Dec [deg]
roll_nom	138.6471161032	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1577.5427019	Sum of GTIs [s]
livetime	1556.9309451296	Livetime [s]
ontime6	1577.5016618967	Sum of GTIs [s]
ontime7	1577.5427019	Sum of GTIs [s]
ontime8	1577.4606218934	Sum of GTIs [s]
l2events	6613	Number of level 2 events



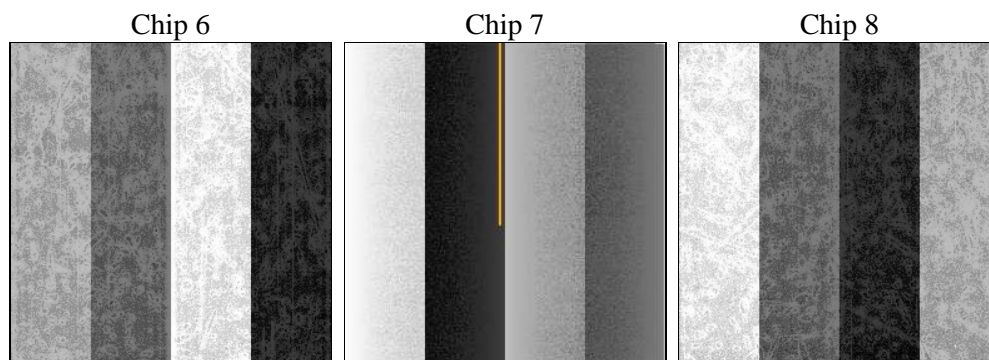
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	1577.5427019	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime6	1577.5016618967	Sum of GTIs [s]
date	2012-05-04T16:44:33	Date and time of file creation	ontime7	1577.5427019	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	1577.4606218934	Sum of GTIs [s]
			l1events	28440	Number of level 1 events

### 2.1.4 Events

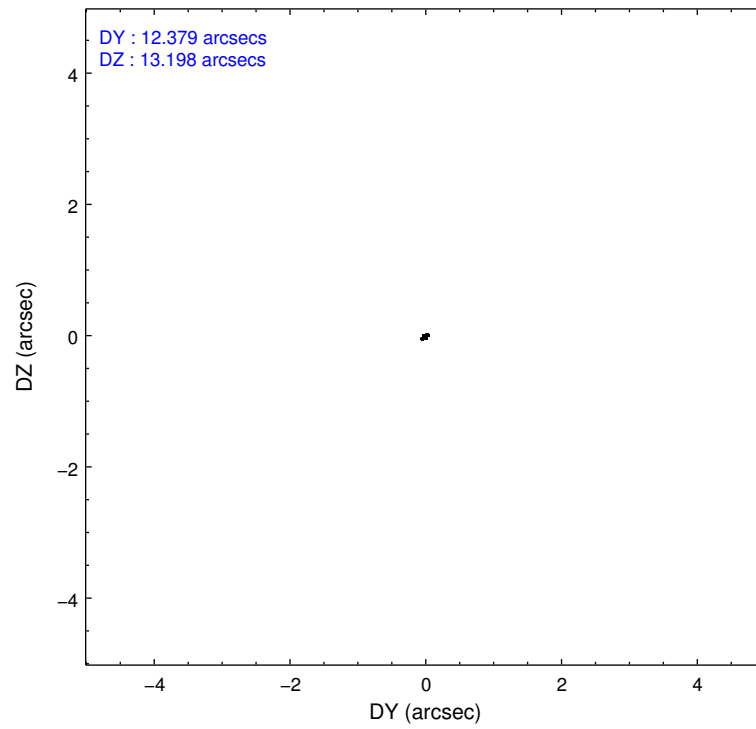
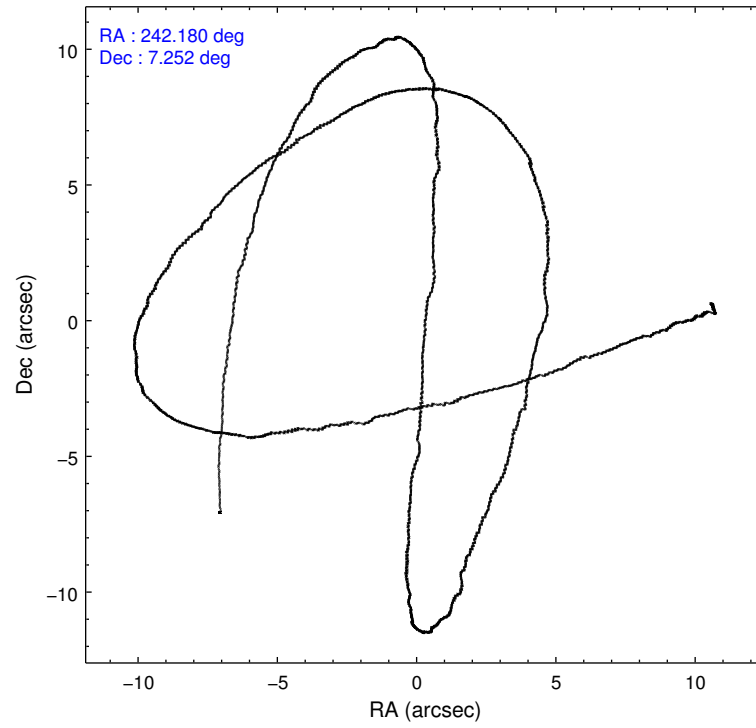
	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
level 1 events	7939	9619	10882
rejected events	6875	4888	7835
rejected %	<b>86%</b>	<b>50%</b>	<b>71%</b>

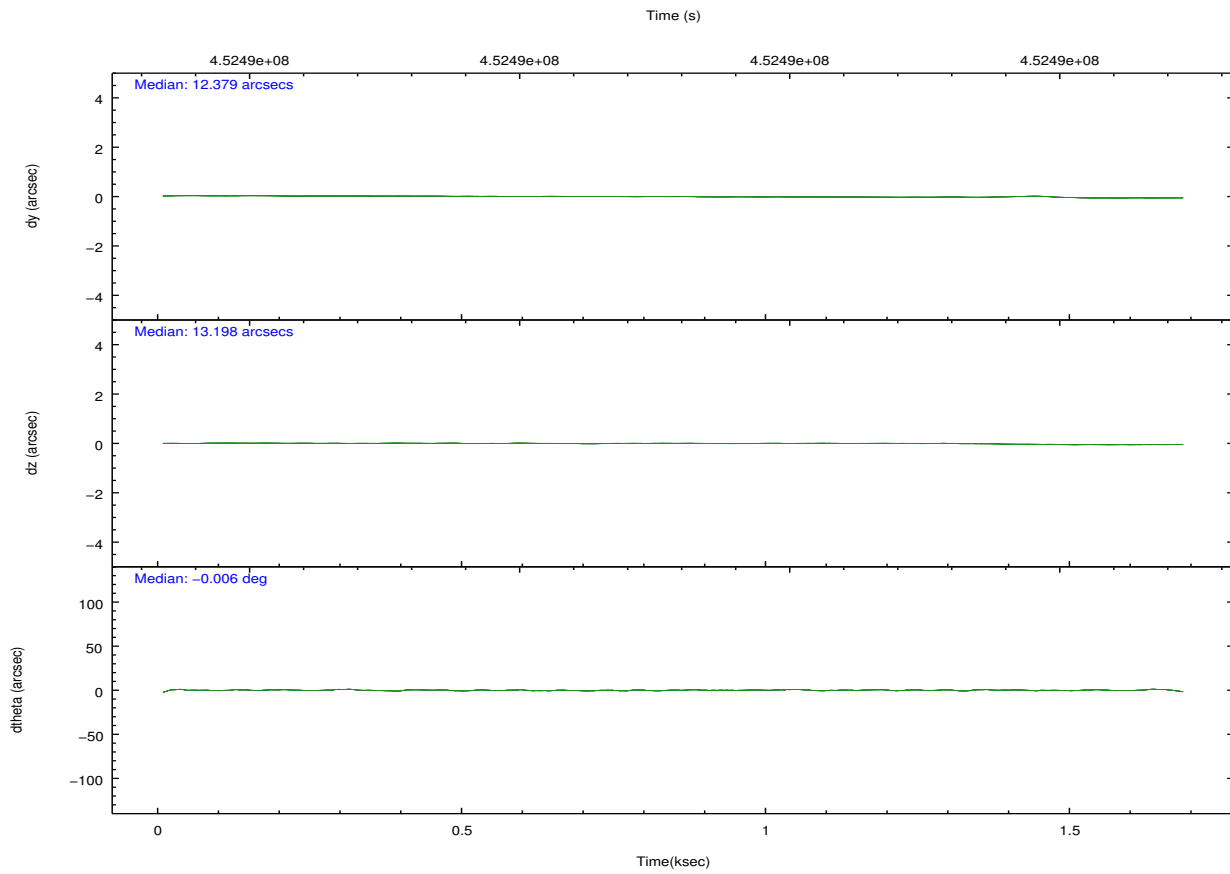
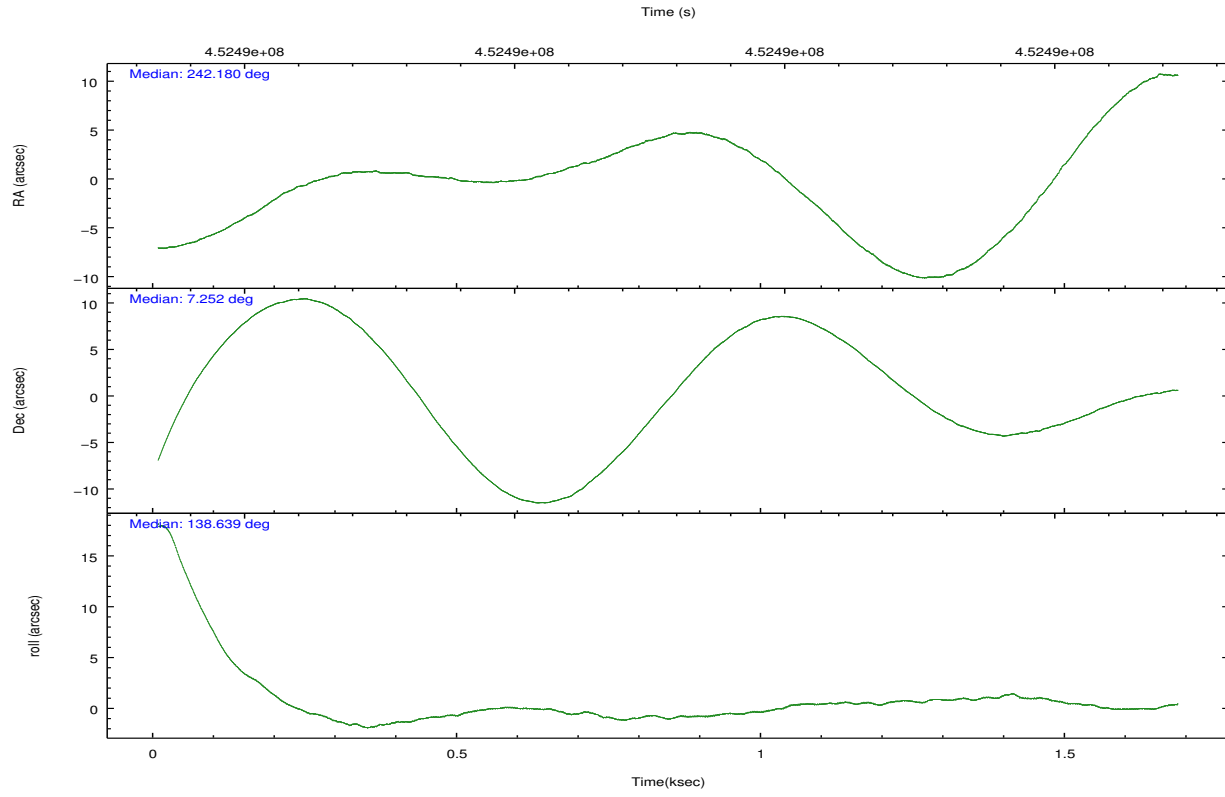
	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
grade 0 events	397	501	928
	5%	5%	8%
grade 1 events	7	6	7
	0%	0%	0%
grade 2 events	217	1021	721
	2%	10%	6%
grade 3 events	117	414	336
	1%	4%	3%
grade 4 events	115	444	339
	1%	4%	3%
grade 5 events	366	1024	548
	4%	10%	5%
grade 6 events	223	2376	725
	2%	24%	6%
grade 7 events	6497	3833	7278
	81%	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	242.207075	242.1798800786707	Subarray requested	NONE	NONE
[deg] Pointing Dec	7.246531	7.251673508663728	Alternating exposures requested	N	N
[deg] Pointing Roll	138.486983	138.6471161032044	[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)	452488123.184000	452486946.63884			
Observation start date	2012-05-04T03:07:37	2012-05-04T02:49:06			
[s] Observation end time (MET)	452489623.184000	452490834.97655			
Observation end date	2012-05-04T03:32:37	2012-05-04T03:53:54			
Read mode	TIMED	TIMED			

## 2.3 Aspect





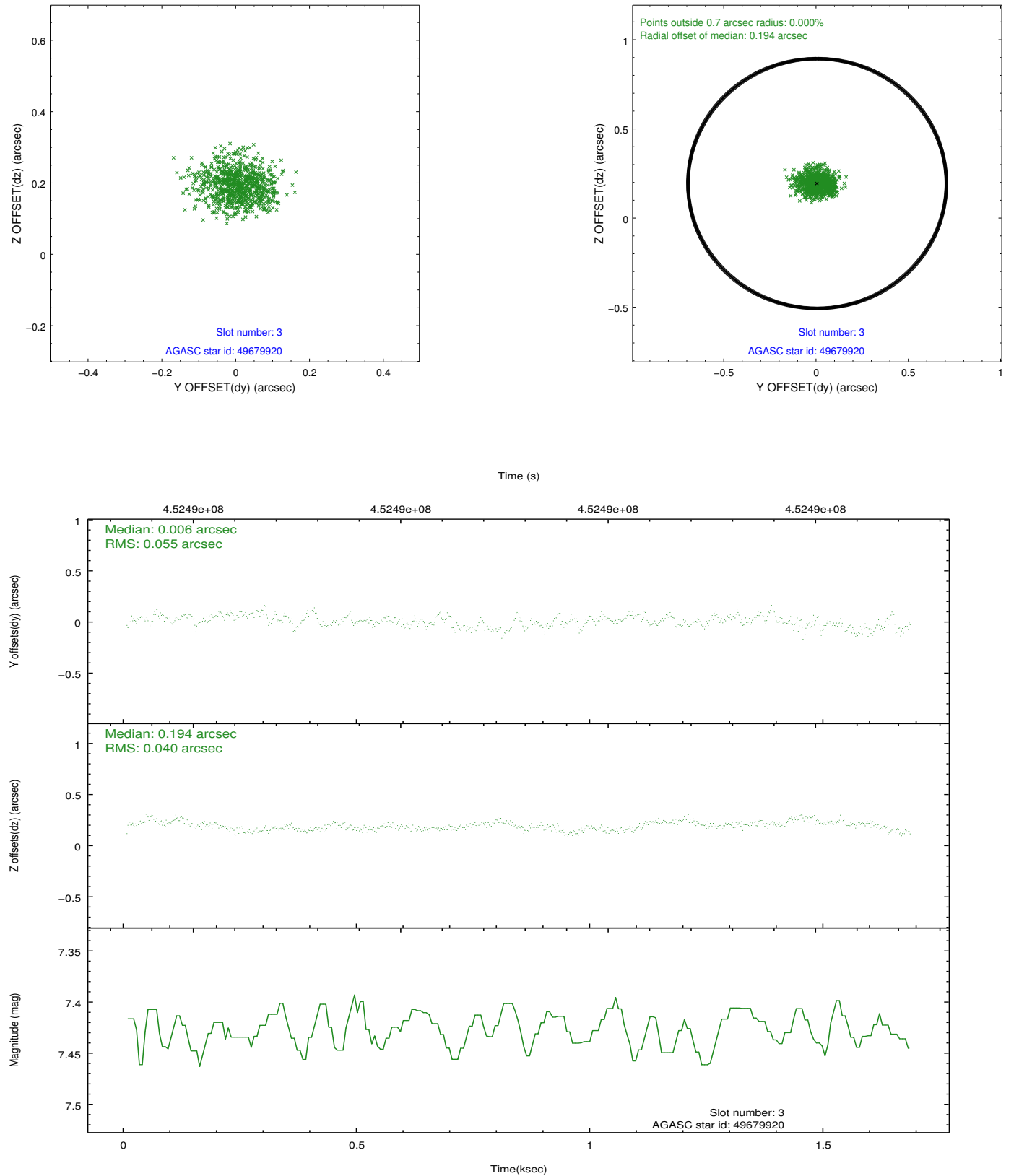
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.06	410	0.119	-0.075	0.007	0.011	0.000000	0.000000	930.89	-1730.22
1	FID	ACIS-S-5	7.10	410	-0.159	0.086	0.006	0.010	0.000000	0.000000	-1816.21	163.43
2	FID	ACIS-S-6	7.19	410	0.018	0.001	0.006	0.010	0.000000	0.000000	392.08	811.75
3	GUIDE	49679920	7.43	820	0.006	0.194	0.073	0.117	242.846088	7.465688	-1183.98	-2103.42
4	GUIDE	123866320	9.20	816	0.039	-0.138	0.105	0.172	241.762815	7.596670	2021.66	104.22
5	GUIDE	123866376	8.88	818	0.083	0.198	0.093	0.151	242.307779	7.879227	1243.18	-1942.83
6	GUIDE	123870032	9.13	817	-0.042	-0.111	0.095	0.156	241.716596	7.641270	2253.69	93.52
7	GUIDE	49683272	7.59	819	-0.078	-0.142	0.086	0.146	242.197125	6.646133	-1403.60	1642.22

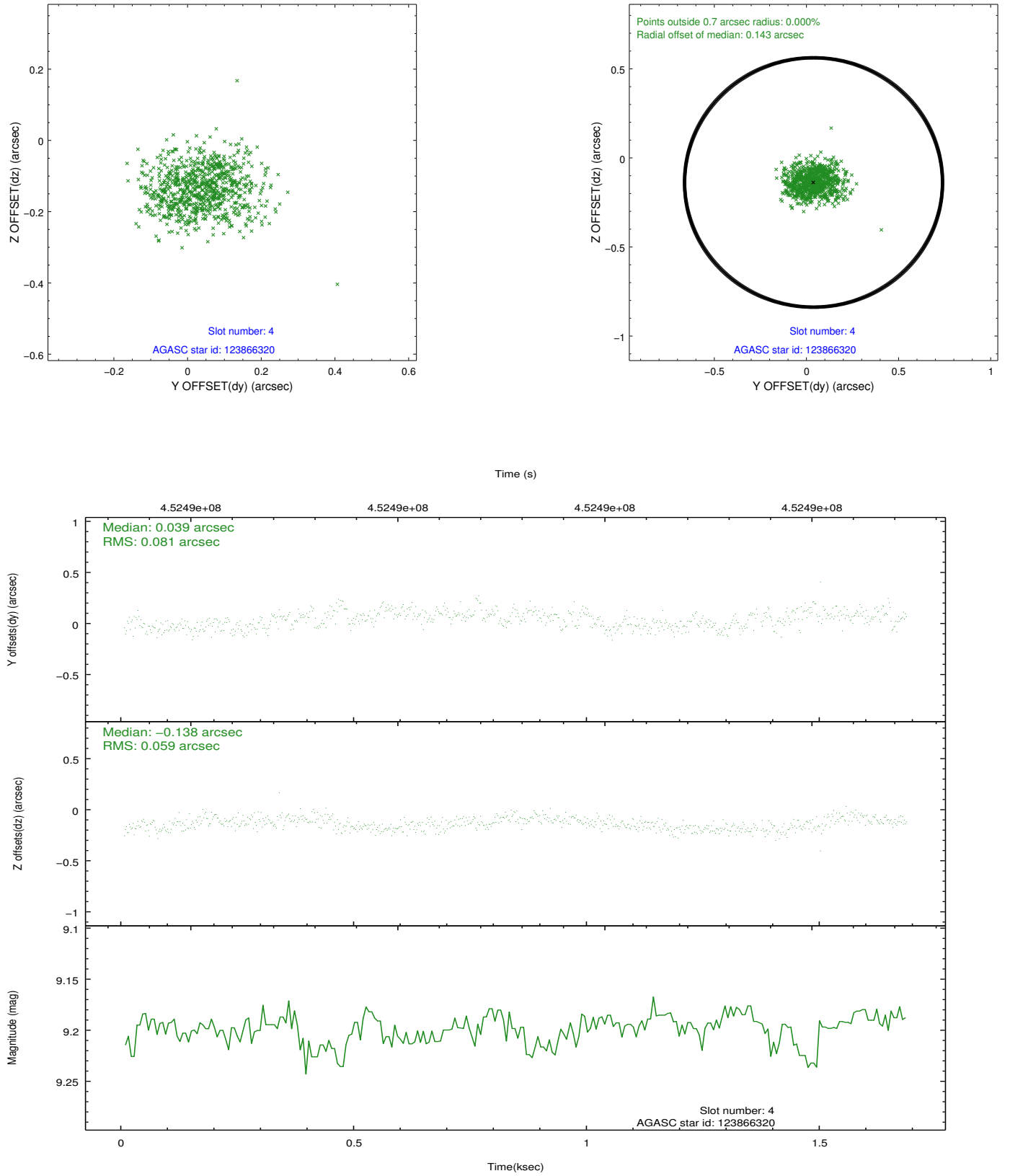


## 2.4 Star Slots

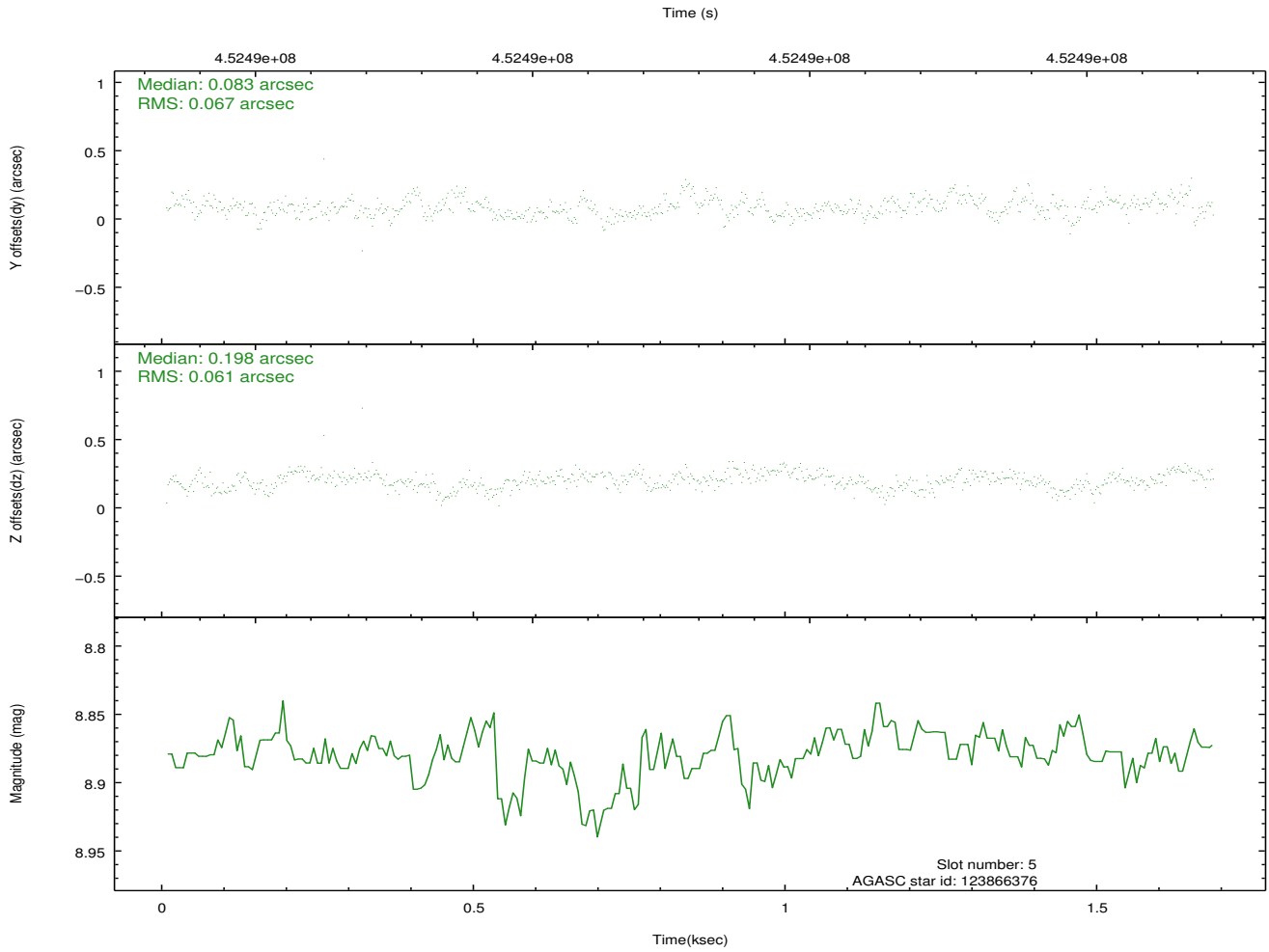
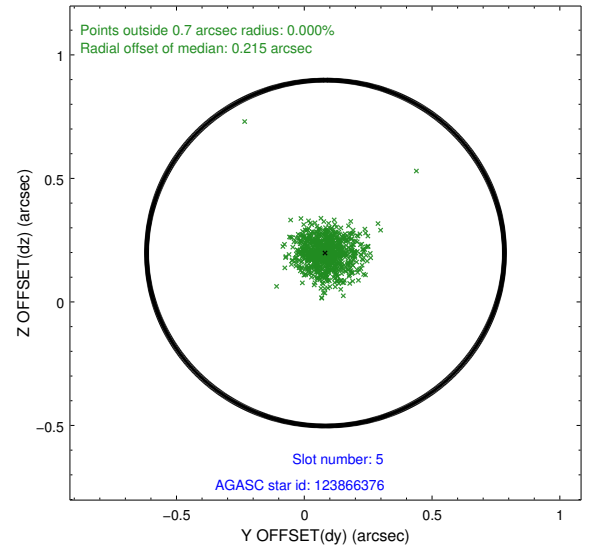
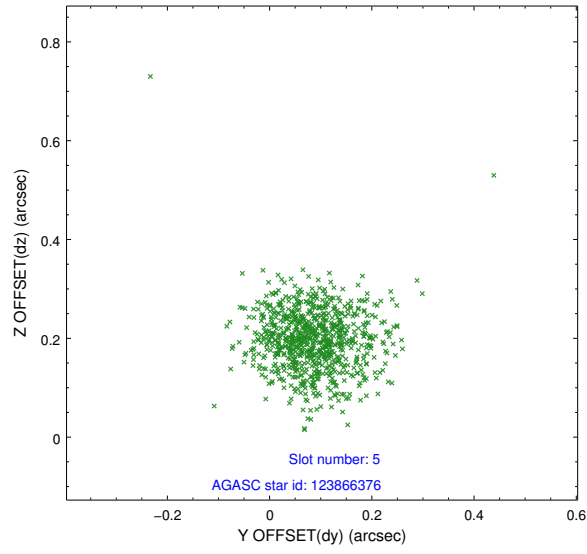
### 2.4.1 Slot 3



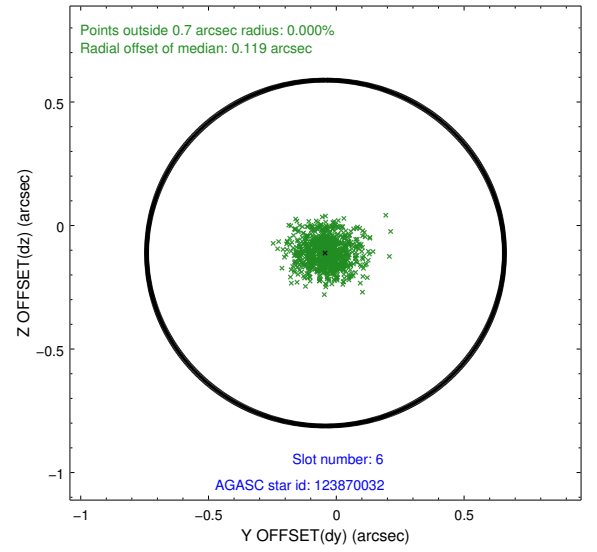
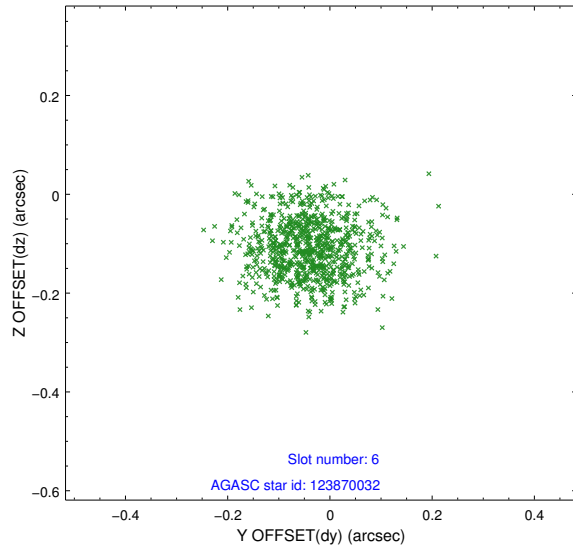
## 2.4.2 Slot 4



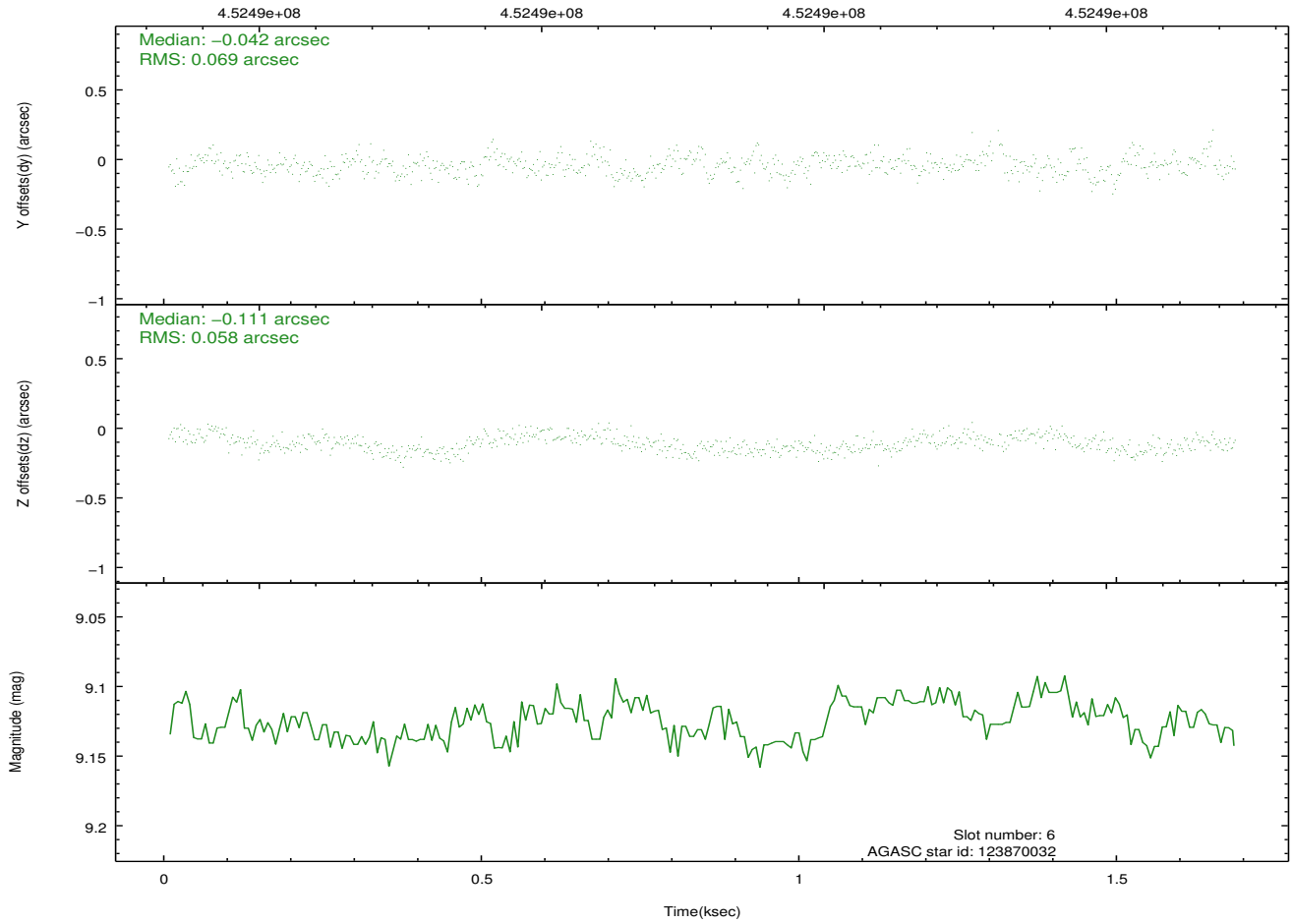
### 2.4.3 Slot 5



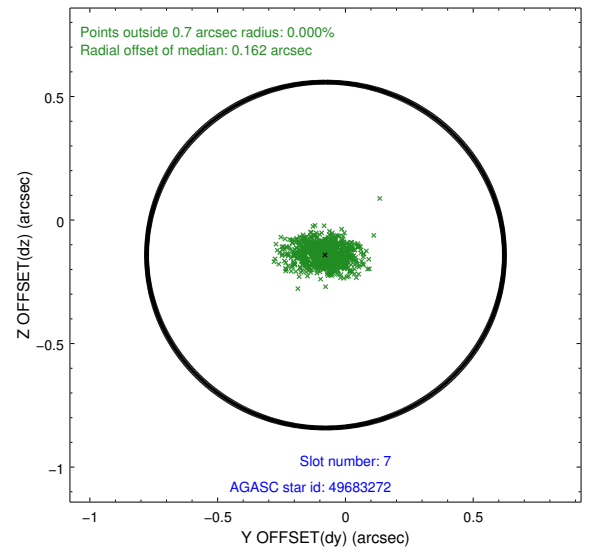
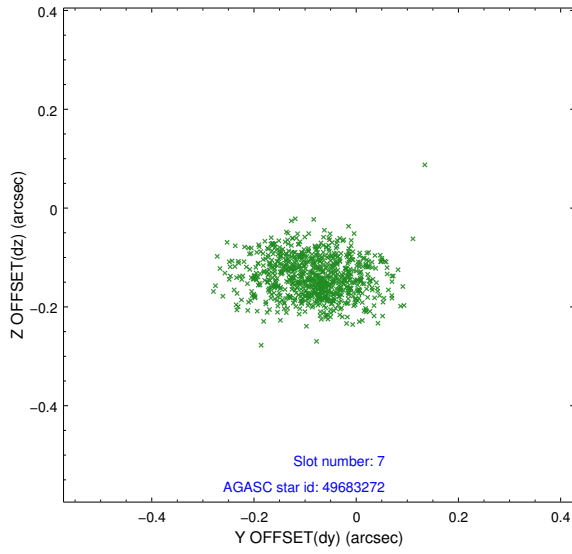
## 2.4.4 Slot 6



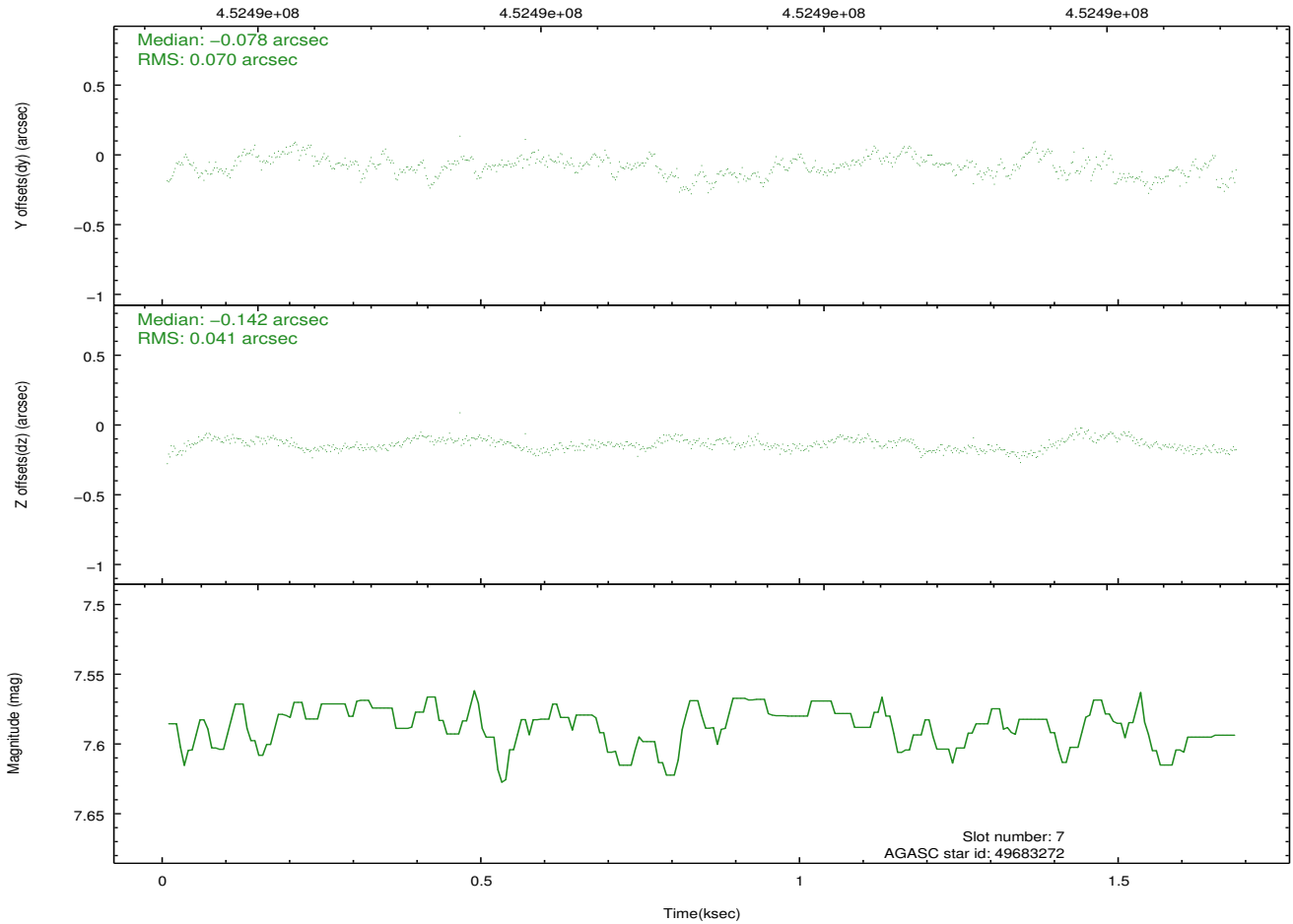
Time (s)



## 2.4.5 Slot 7

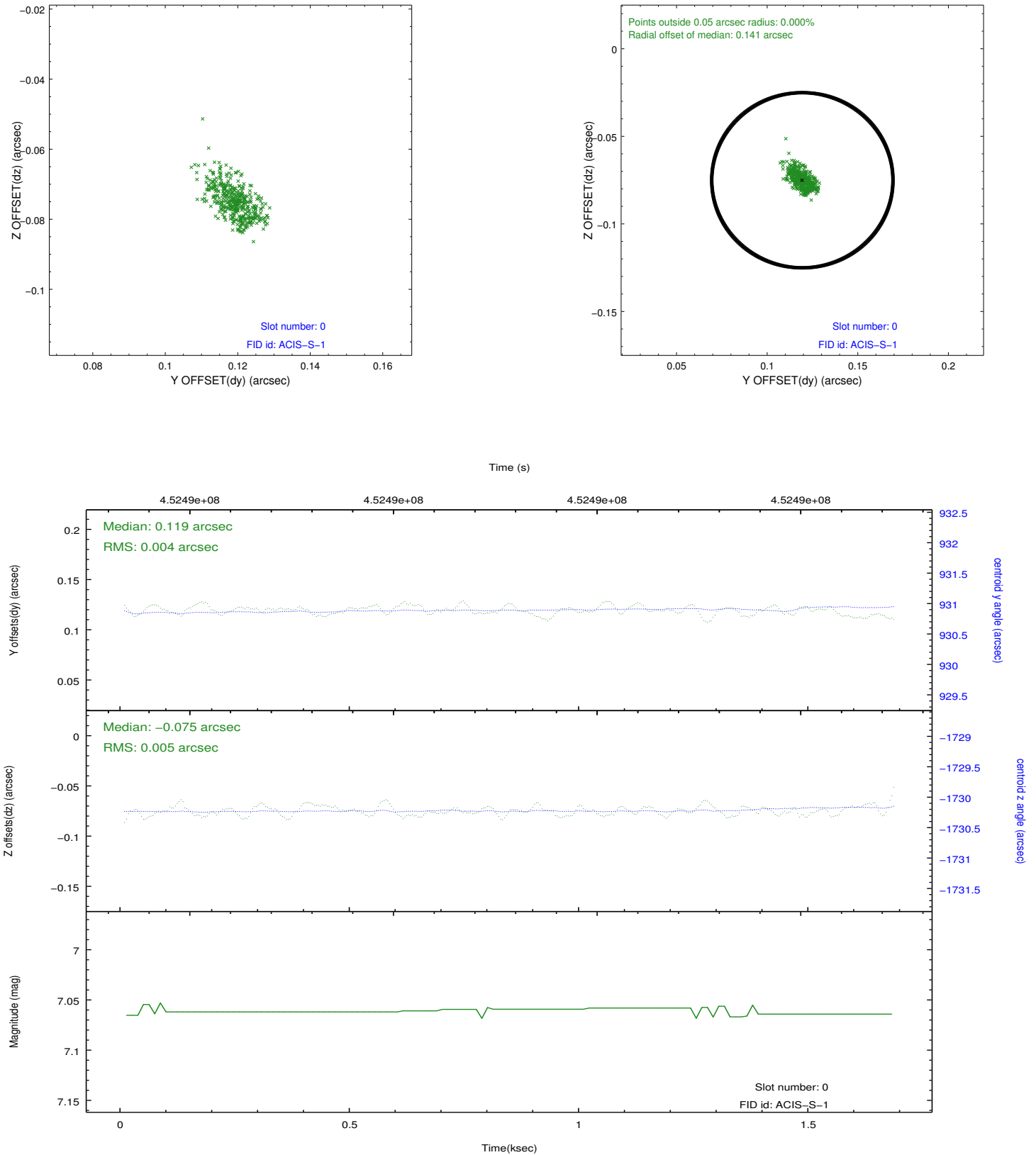


Time (s)

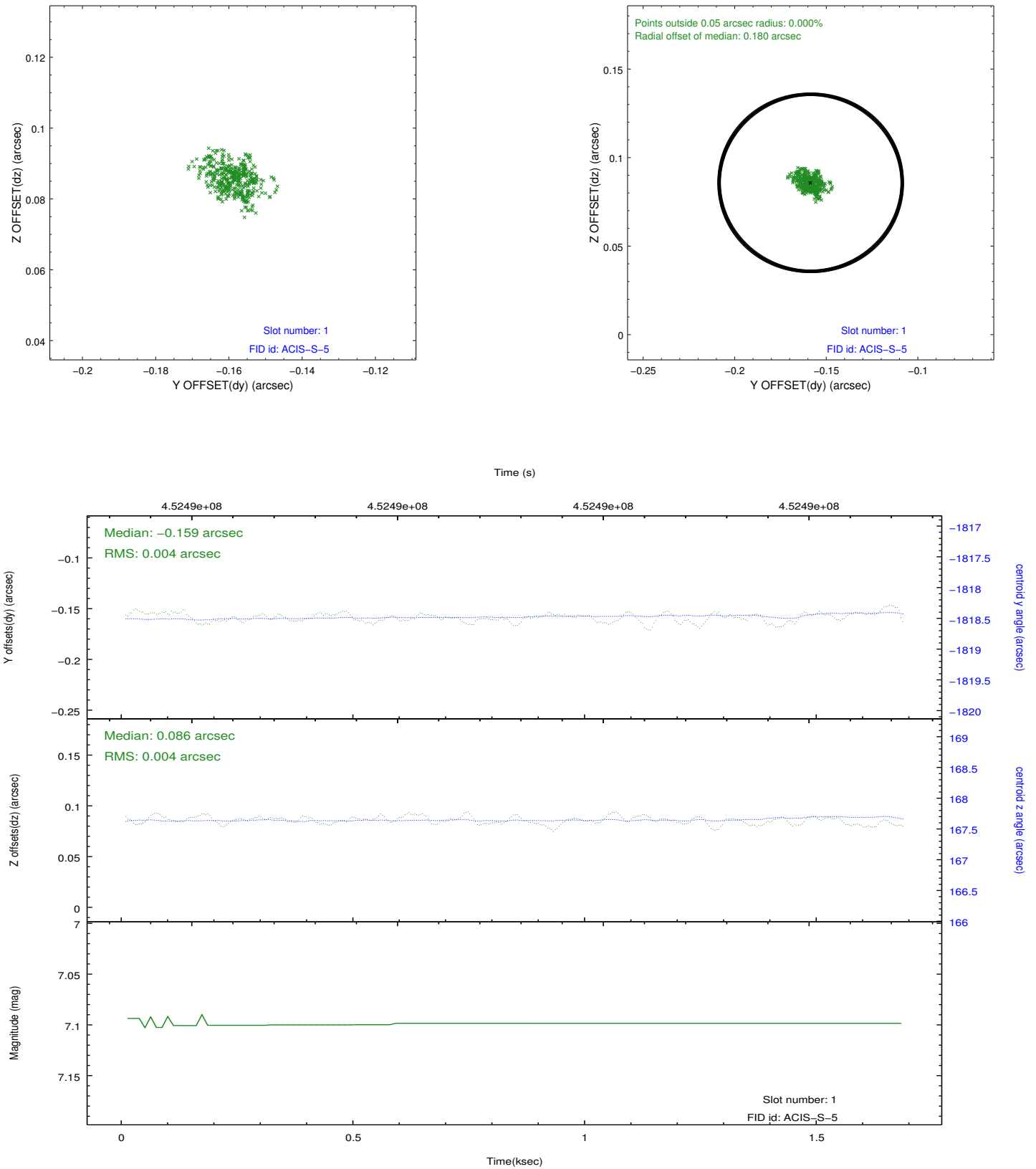


## 2.5 FID Slots

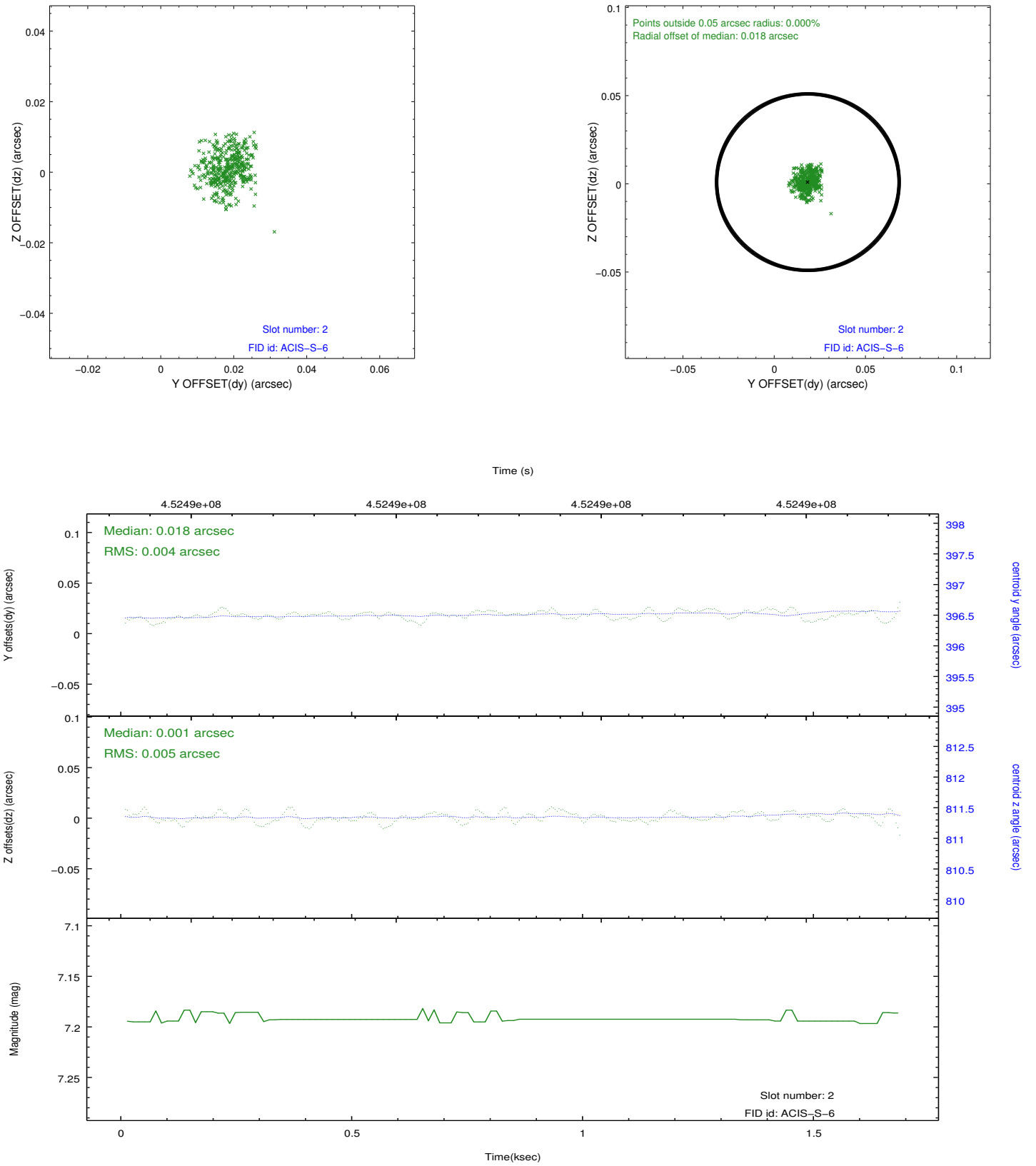
### 2.5.1 Slot 0



## 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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5775427019

### A.2 Comments