

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13353 - L2 Version 2  
Chandra X-Ray Center

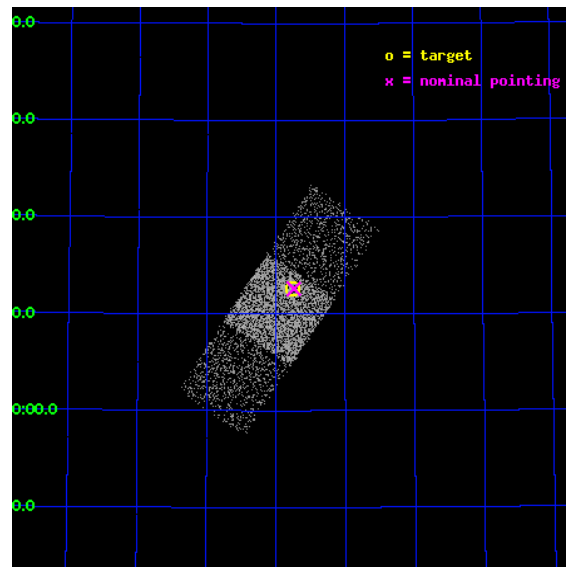
L2 Processing Date : Feb 29 2012

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# 1 Front

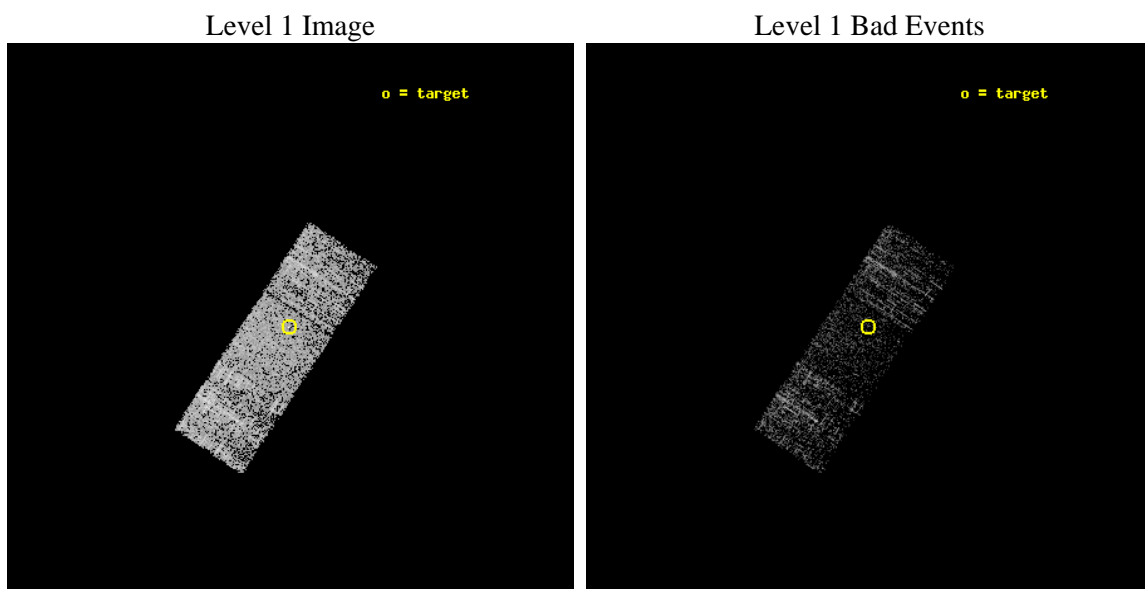
seq_num	702560	Sequence number
obs_id	13353	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J0848+6112	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	132.192083	Observer's specified target RA [deg]
dec_targ	61.209611	Observer's specified target Dec [deg]
ra_nom	132.18546954225	Nominal RA [deg]
dec_nom	61.209943066709	Nominal Dec [deg]
roll_nom	123.27403577506	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	6507	Number of level 2 events



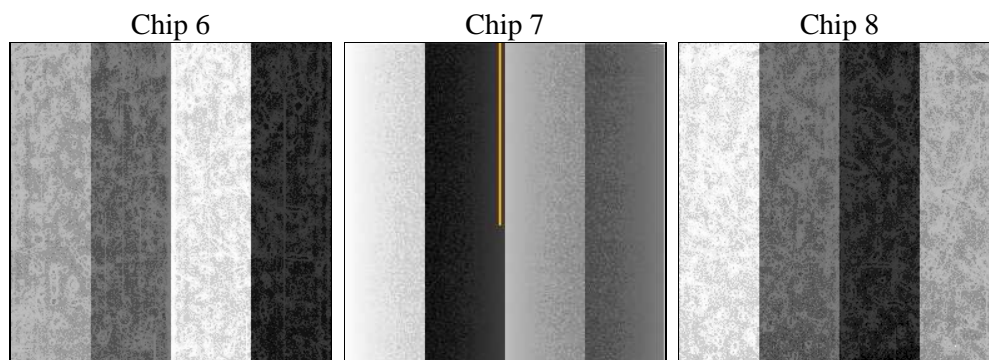
## 2 OBI

### 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]
caldsver	4.4.8	&#160	ontime6	1559.3000119925	Sum of GTIs [s]
date	2012-02-29T11:53:57	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	31026	Number of level 1 events

### 2.1.4 Events

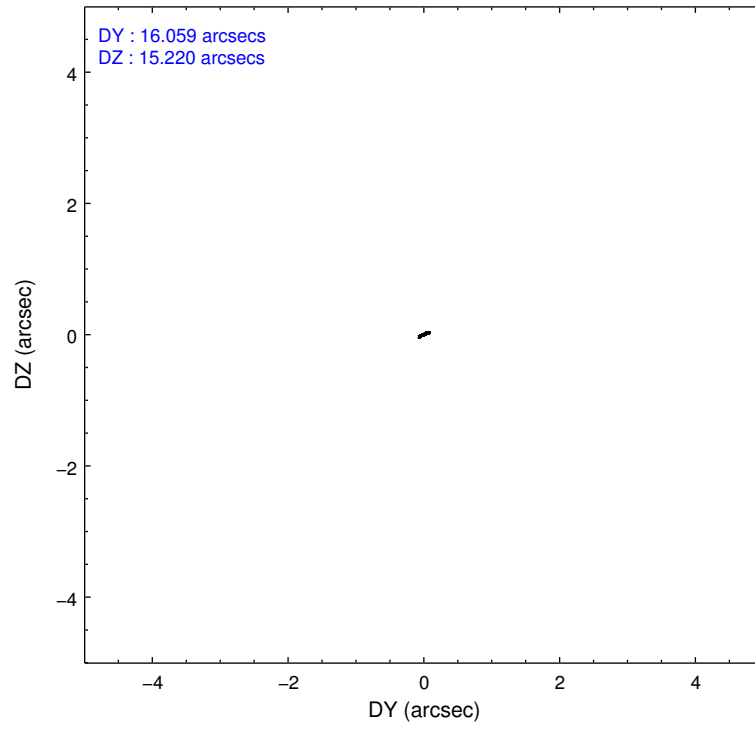
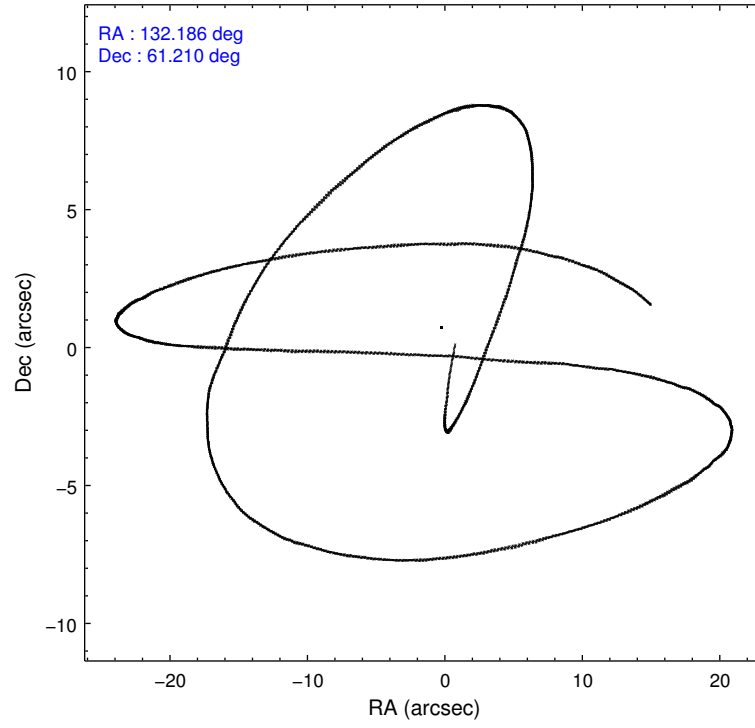
	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
level 1 events	9110	9826	12090
rejected events	8104	5058	8941
rejected %	<b>88%</b>	<b>51%</b>	<b>73%</b>

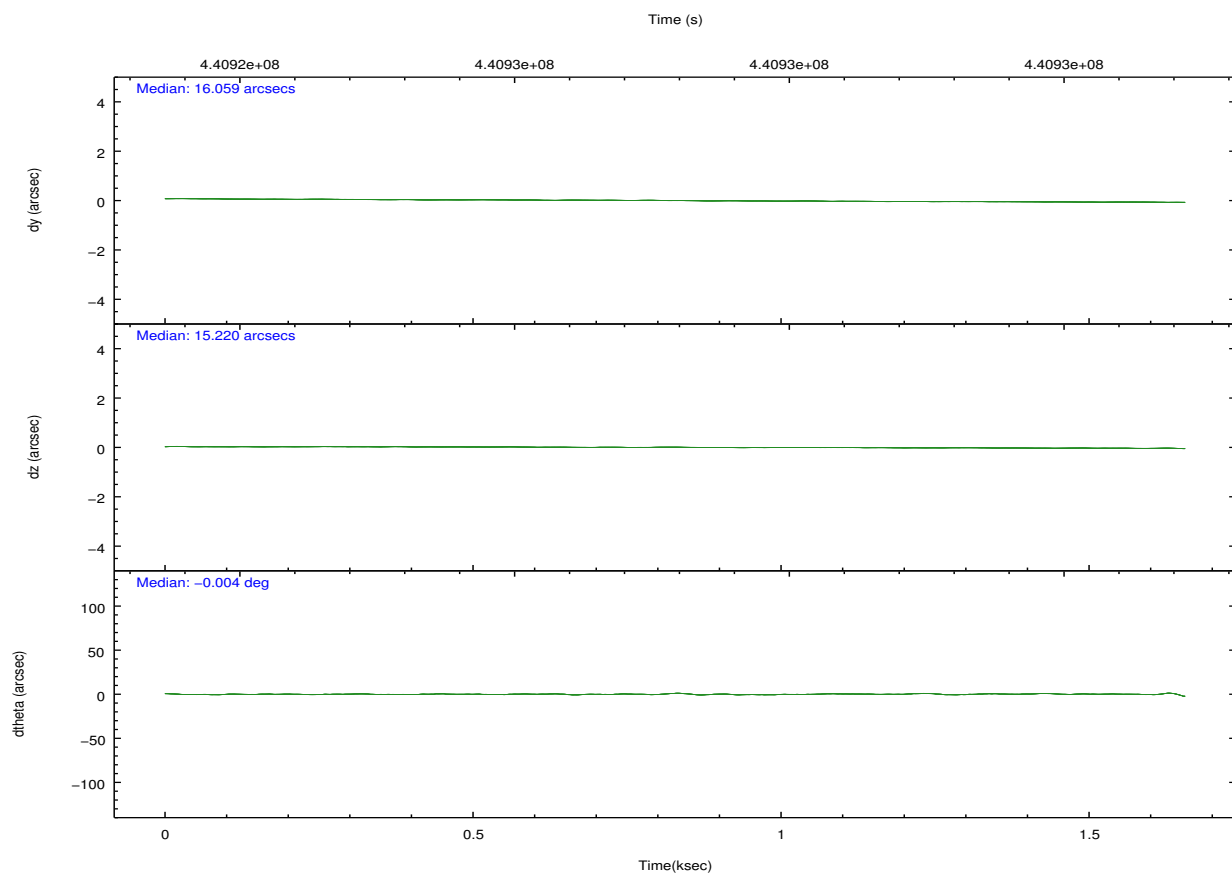
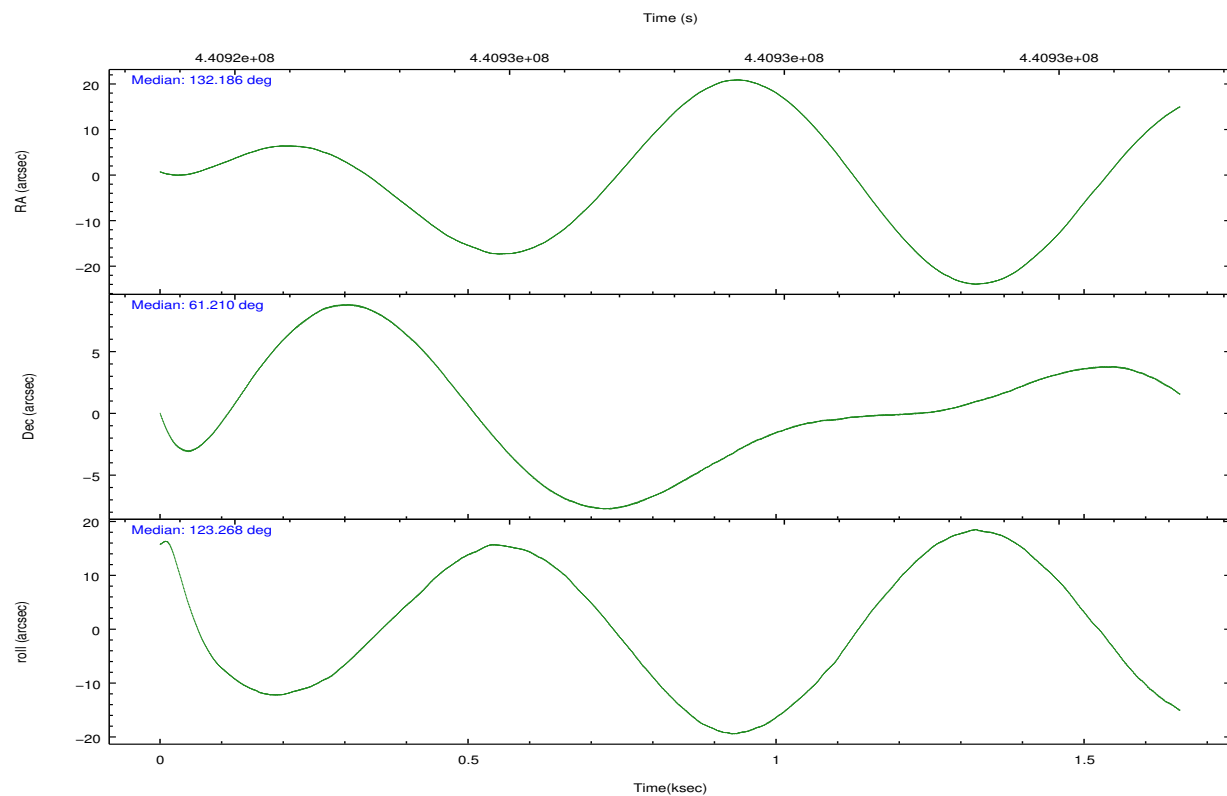
	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
grade 0 events	374	499	825
	4%	5%	6%
grade 1 events	6	14	9
	0%	0%	0%
grade 2 events	231	991	824
	2%	10%	6%
grade 3 events	97	464	331
	1%	4%	2%
grade 4 events	96	436	302
	1%	4%	2%
grade 5 events	377	1060	557
	4%	10%	4%
grade 6 events	215	2388	889
	2%	24%	7%
grade 7 events	7714	3974	8353
	84%	40%	69%

## 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	132.236832	132.185469542248	Subarray requested	NONE	NONE
[deg] Pointing Dec	61.197600	61.20994306670877	Alternating exposures requested	N	N
[deg] Pointing Roll	123.072202	123.2740357750582	[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)	440925115.184000	440924174.2015			
Observation start date	2011-12-22T07:10:49	2011-12-22T06:56:14			
[s] Observation end time (MET)	440926615.184000	440927267.13916			
Observation end date	2011-12-22T07:35:49	2011-12-22T07:47:47			
Read mode	TIMED	TIMED			

## 2.3 Aspect





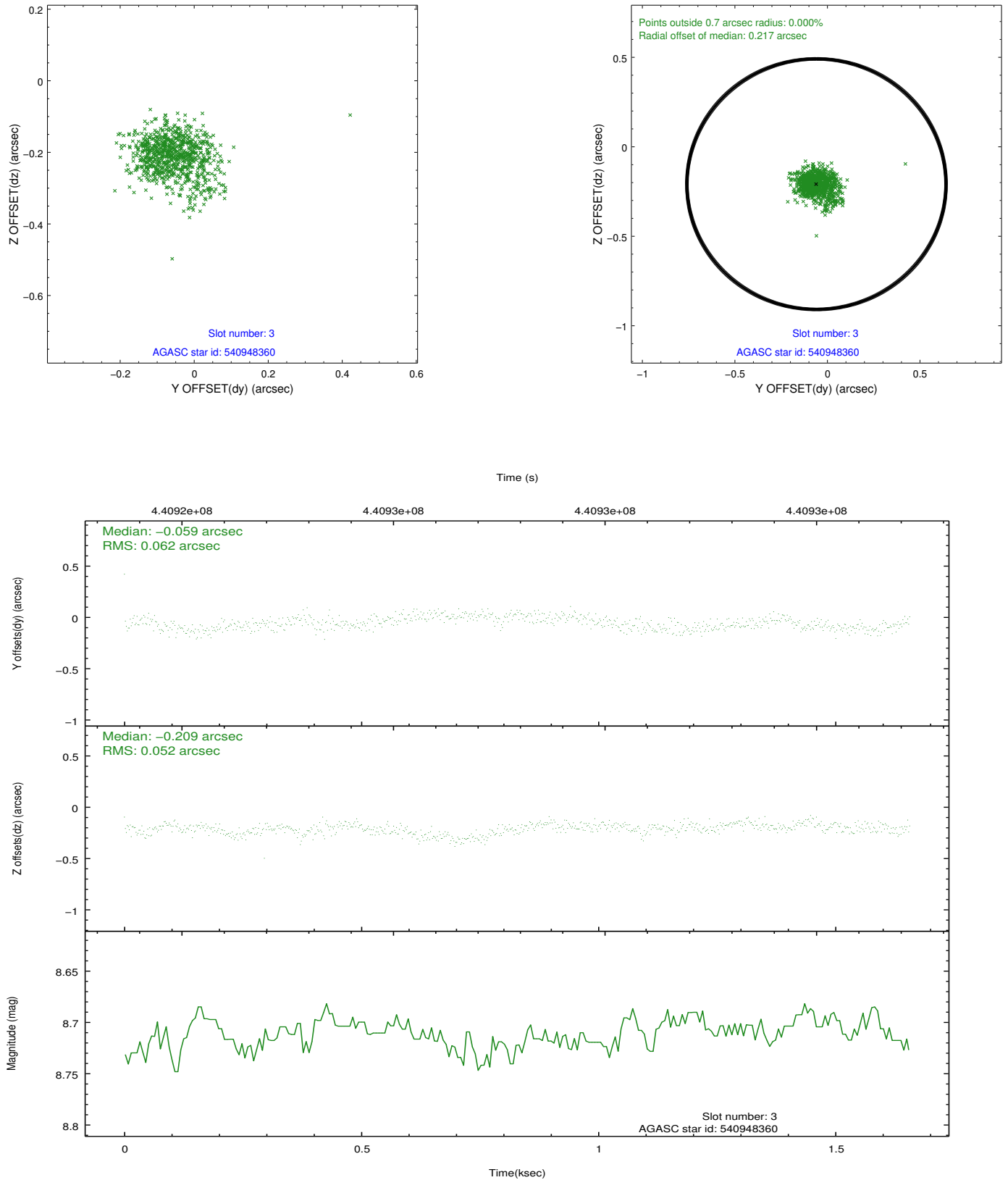
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.00	404	-0.124	-0.009	0.006	0.009	0.000000	0.000000	-769.17	-1736.56
1	FID	ACIS-S-4	7.08	404	0.230	0.062	0.005	0.009	0.000000	0.000000	2142.62	167.86
2	FID	ACIS-S-5	7.12	404	-0.138	-0.045	0.005	0.010	0.000000	0.000000	-1816.93	165.95
3	GUIDE	540948360	8.71	809	-0.059	-0.209	0.083	0.141	130.400701	61.356474	2244.06	2319.00
4	GUIDE	540951856	8.63	809	-0.191	-0.085	0.078	0.119	131.197015	61.116295	754.66	1670.31
5	GUIDE	541069800	8.09	809	0.054	-0.031	0.073	0.118	132.031815	60.882901	-753.22	921.27
6	GUIDE	541071296	7.66	809	-0.005	0.054	0.077	0.121	132.530853	61.833292	1644.42	-1666.45
7	GUIDE	541070800	8.83	808	0.202	0.267	0.083	0.134	133.948211	61.167137	-1680.76	-2452.12

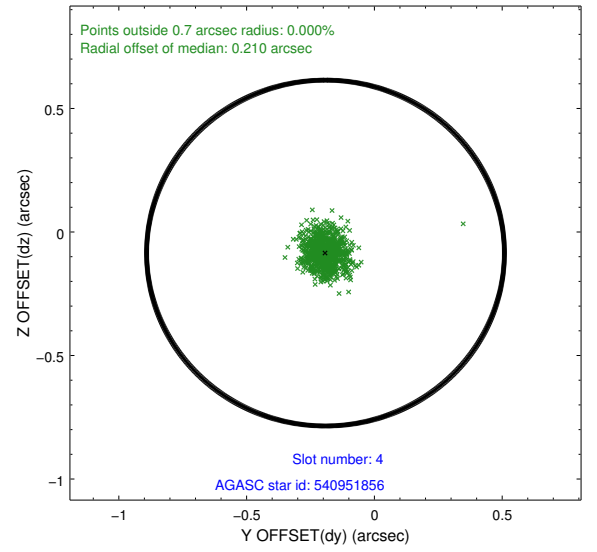
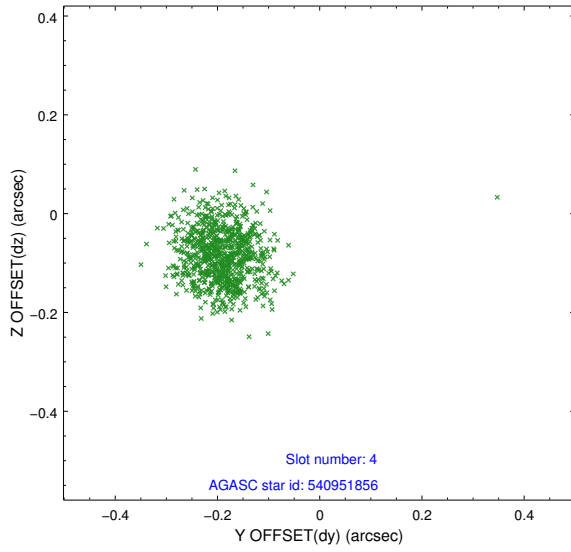


## 2.4 Star Slots

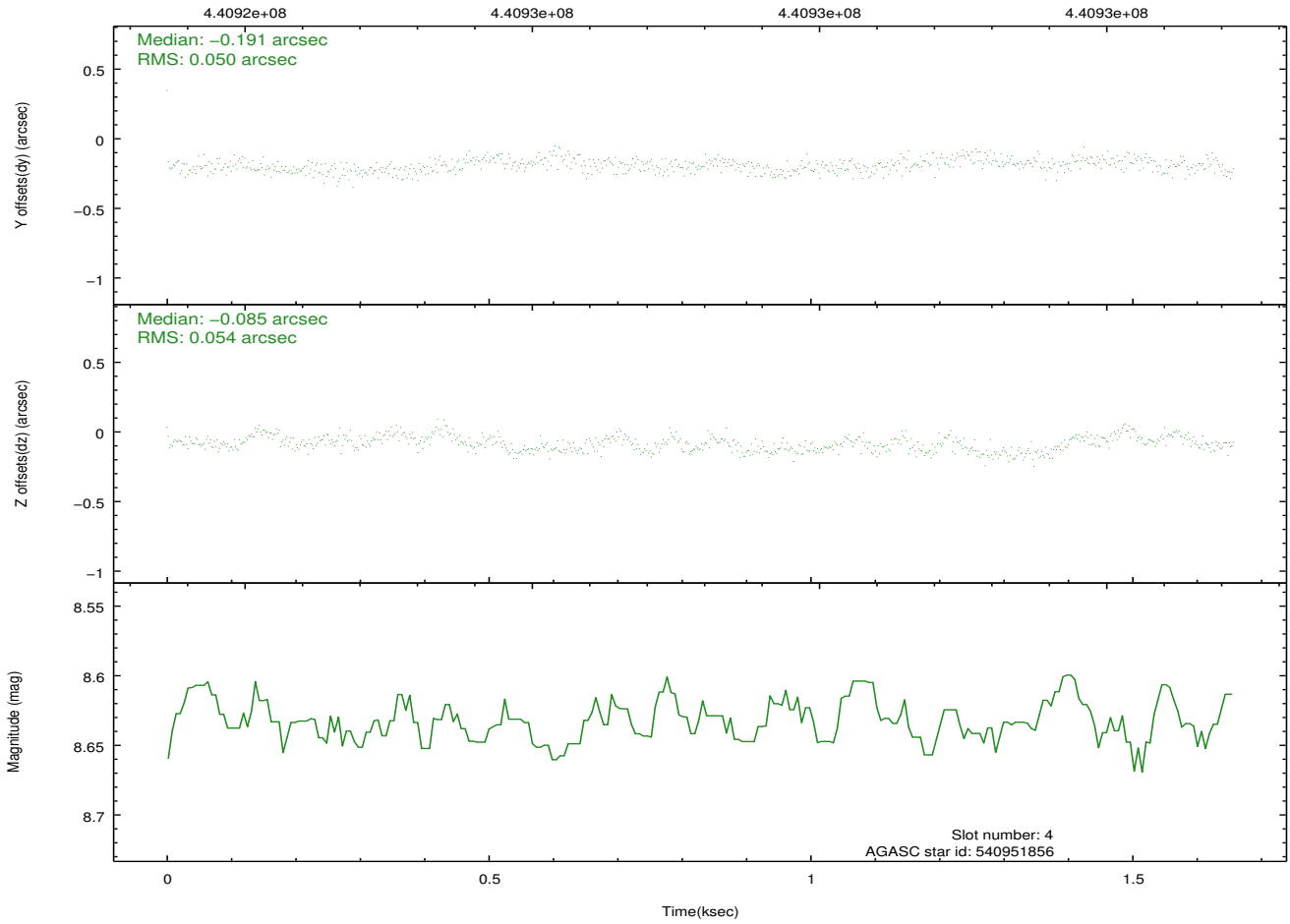
### 2.4.1 Slot 3



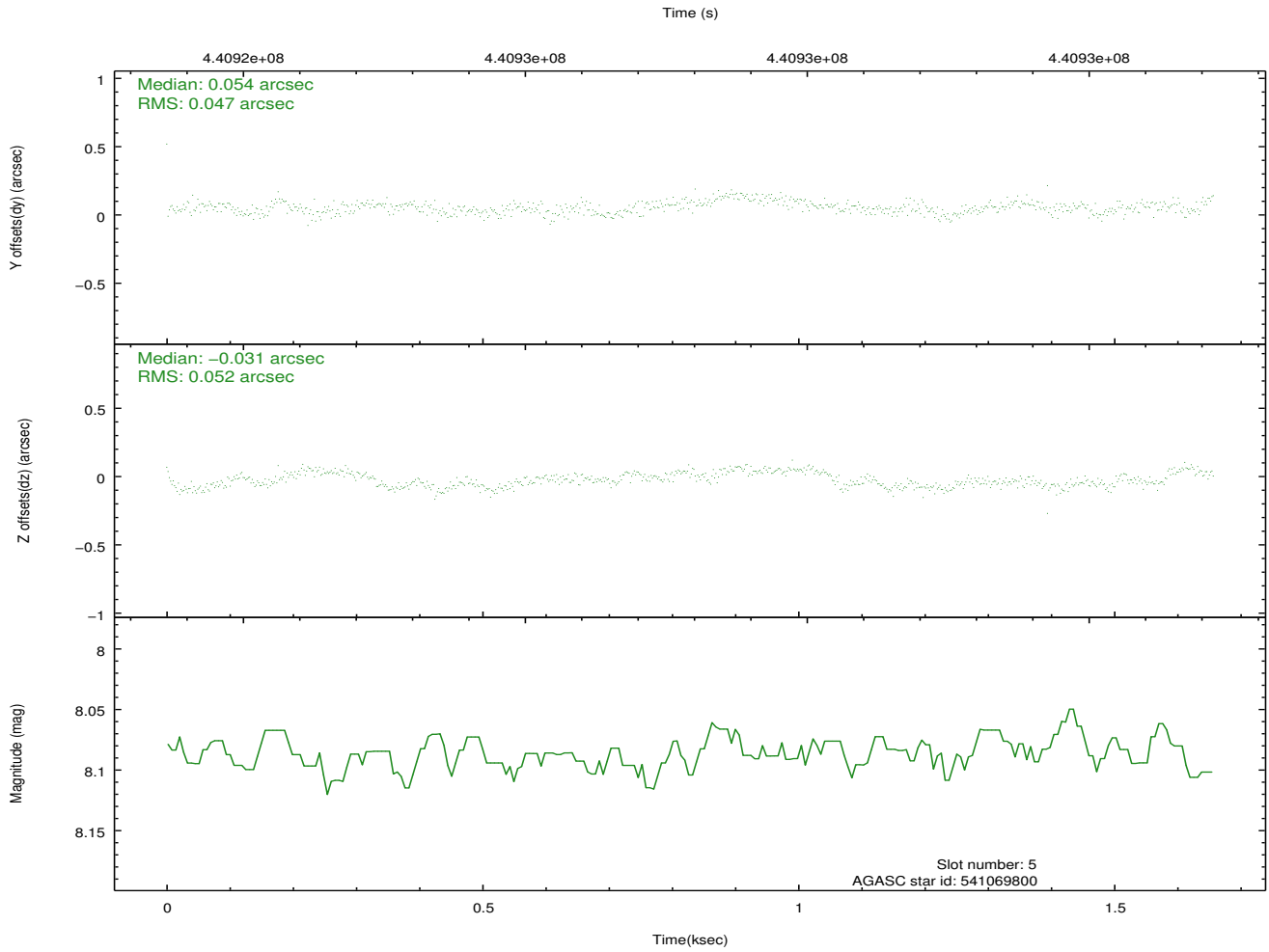
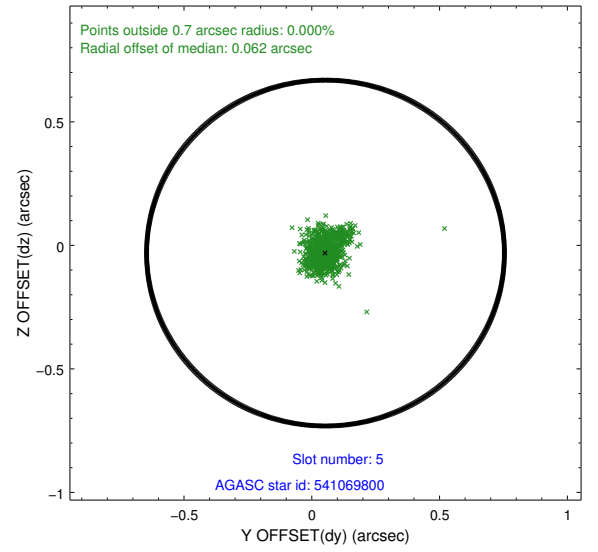
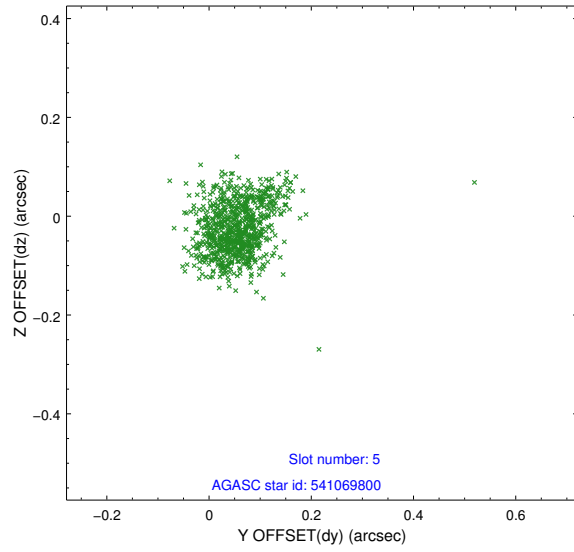
## 2.4.2 Slot 4



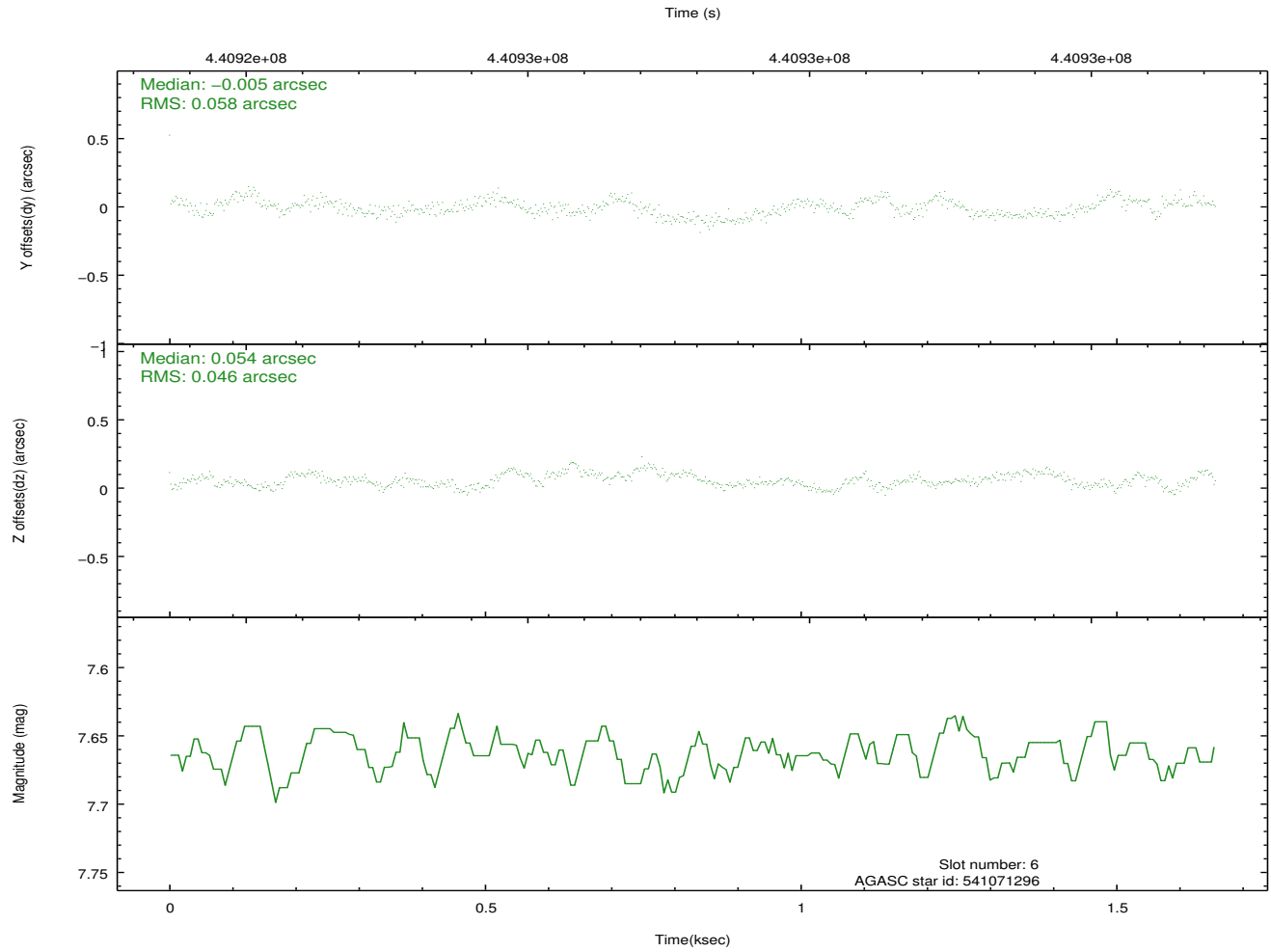
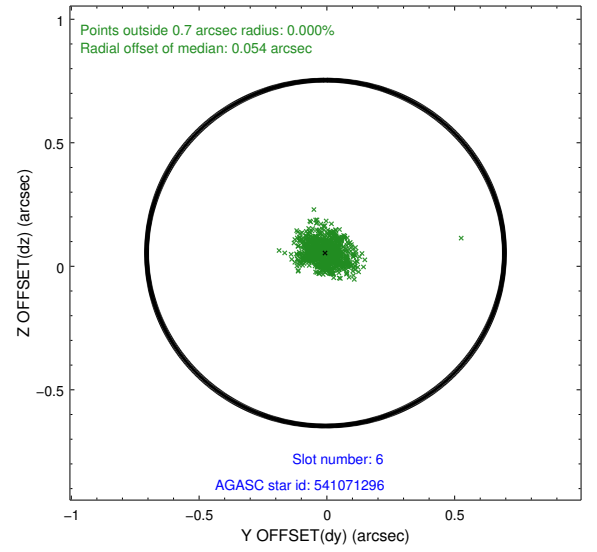
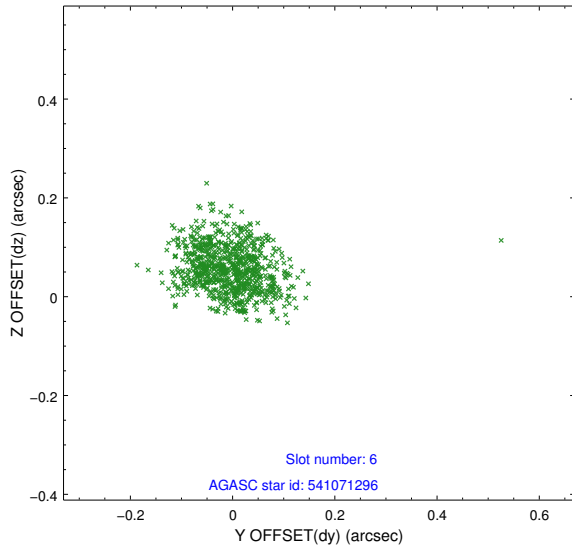
Time (s)



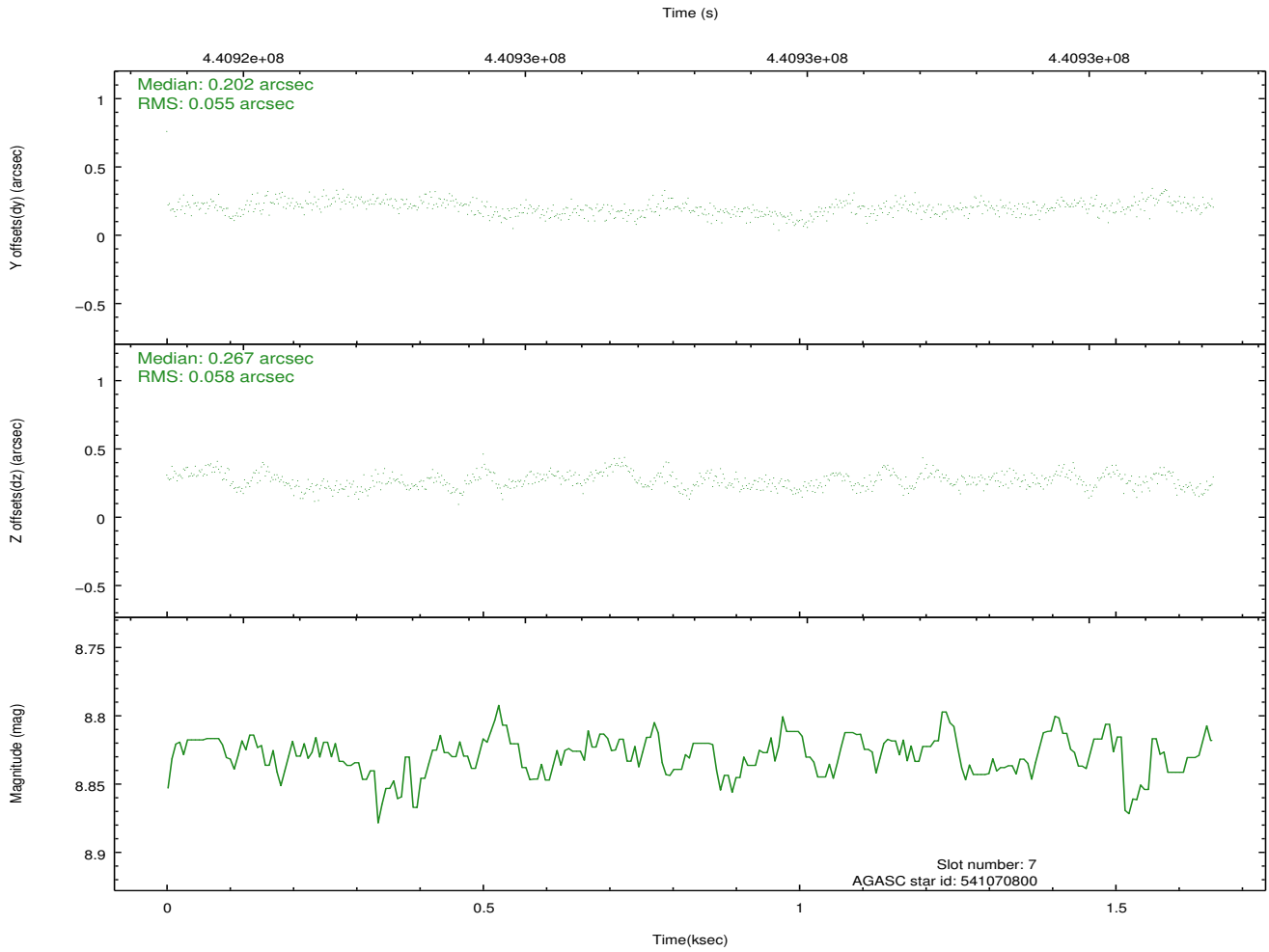
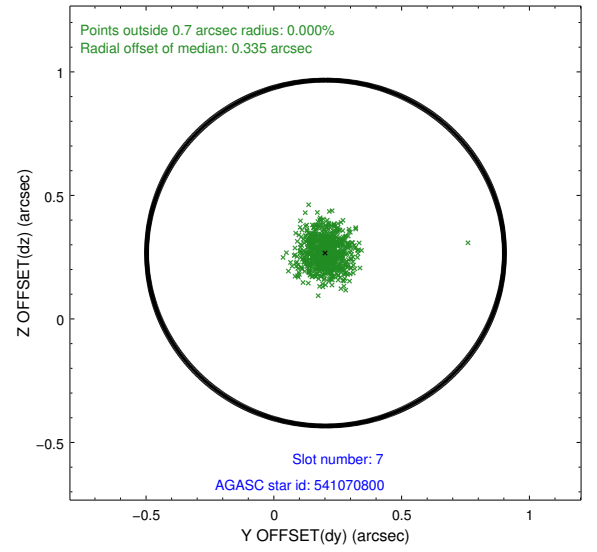
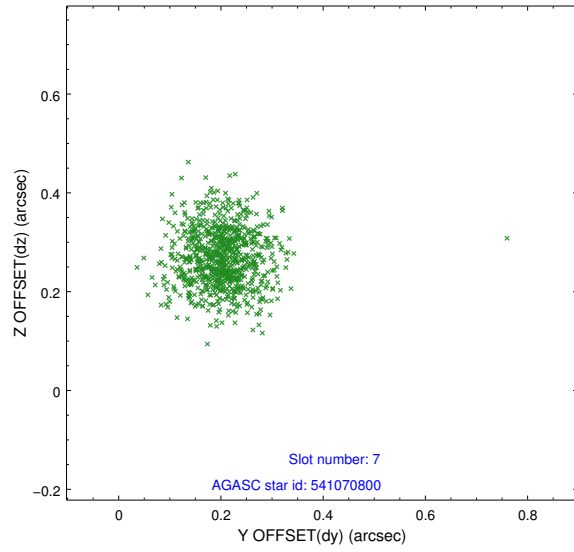
### 2.4.3 Slot 5



## 2.4.4 Slot 6

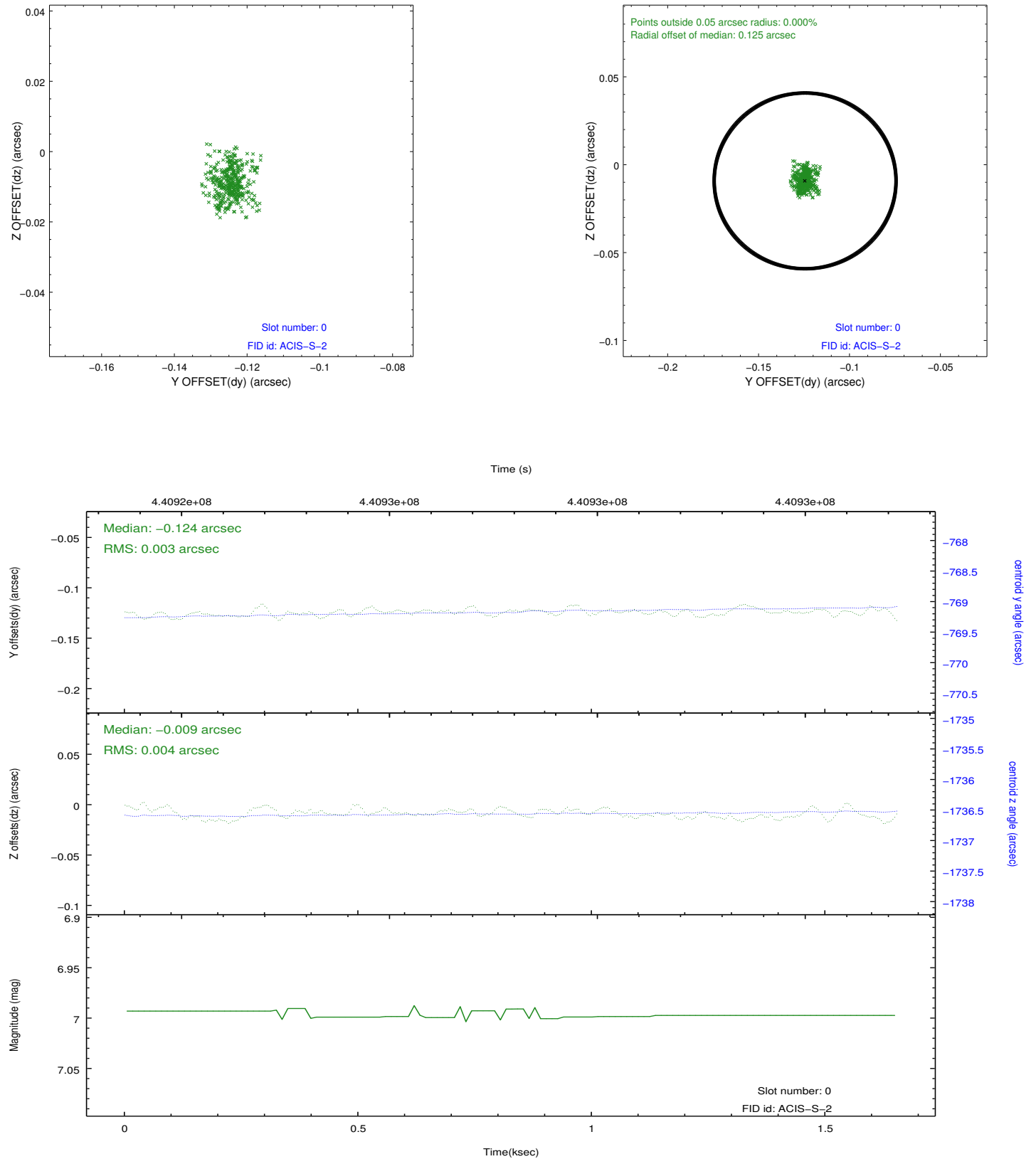


## 2.4.5 Slot 7

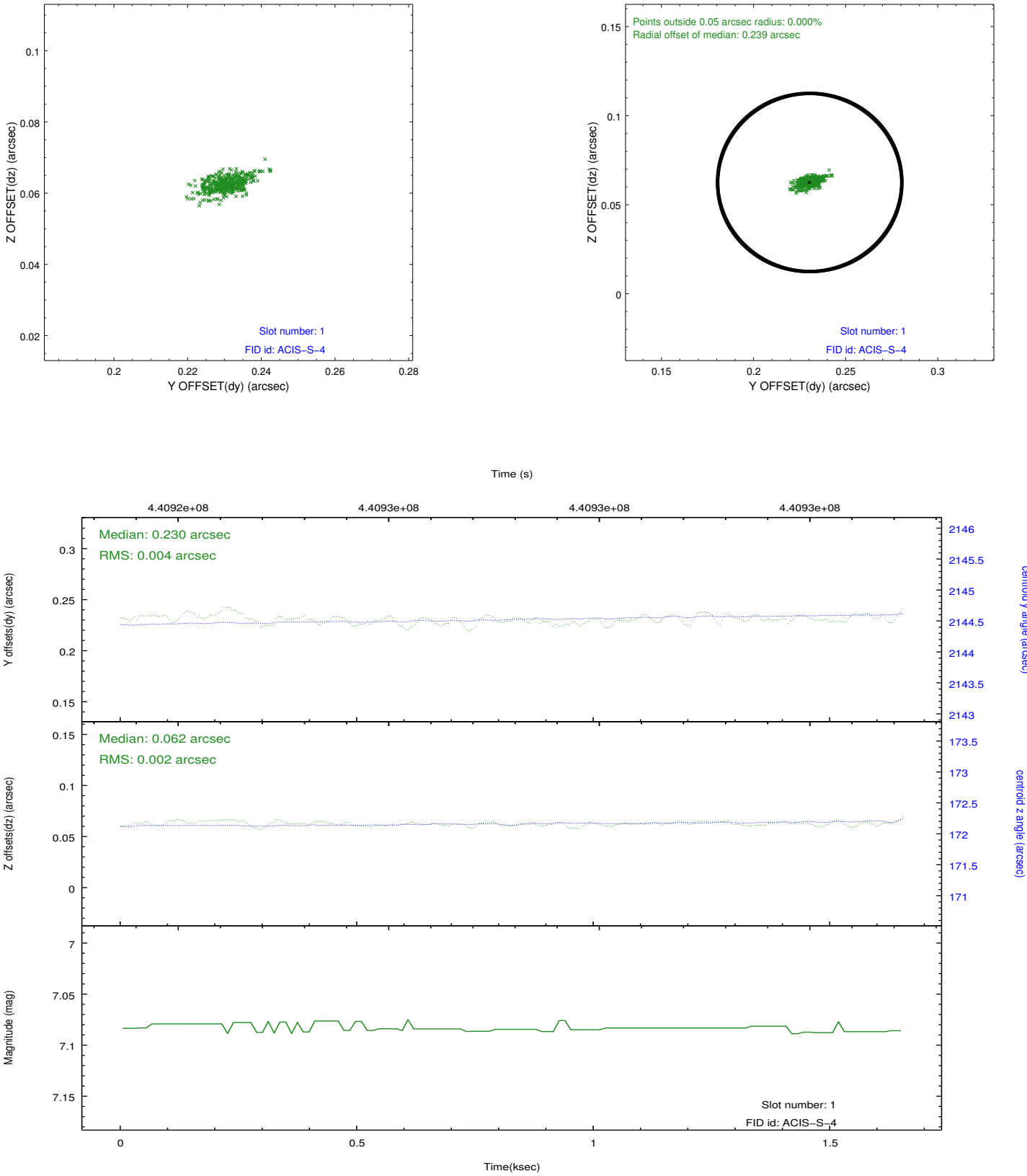


## 2.5 FID Slots

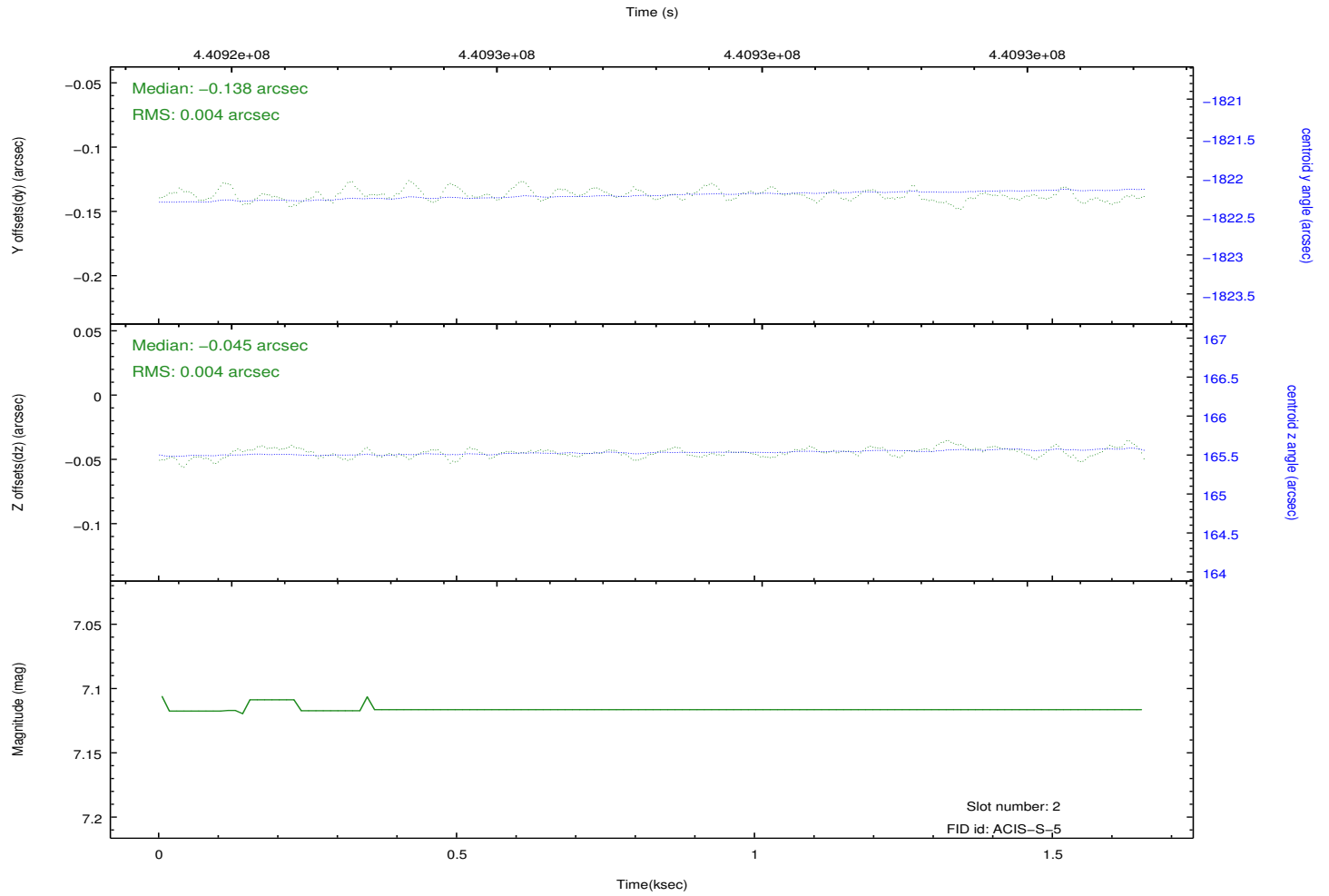
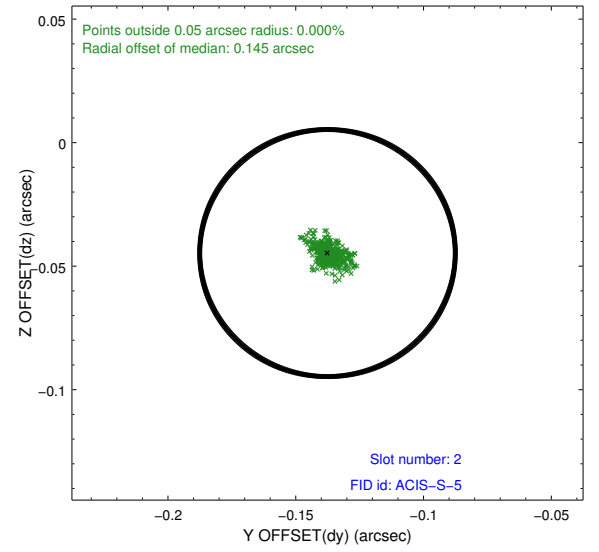
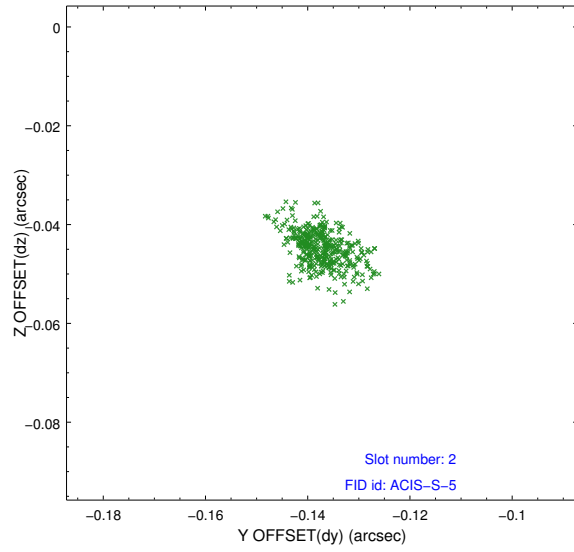
### 2.5.1 Slot 0



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)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5593000119925

### A.2 Comments