

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13342 - L2 Version 1  
Chandra X-Ray Center

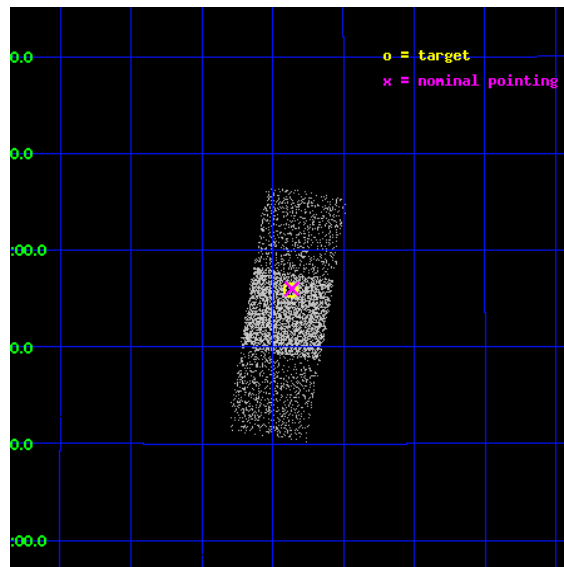
L2 Processing Date : Mar 23 2012

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# 1 Front

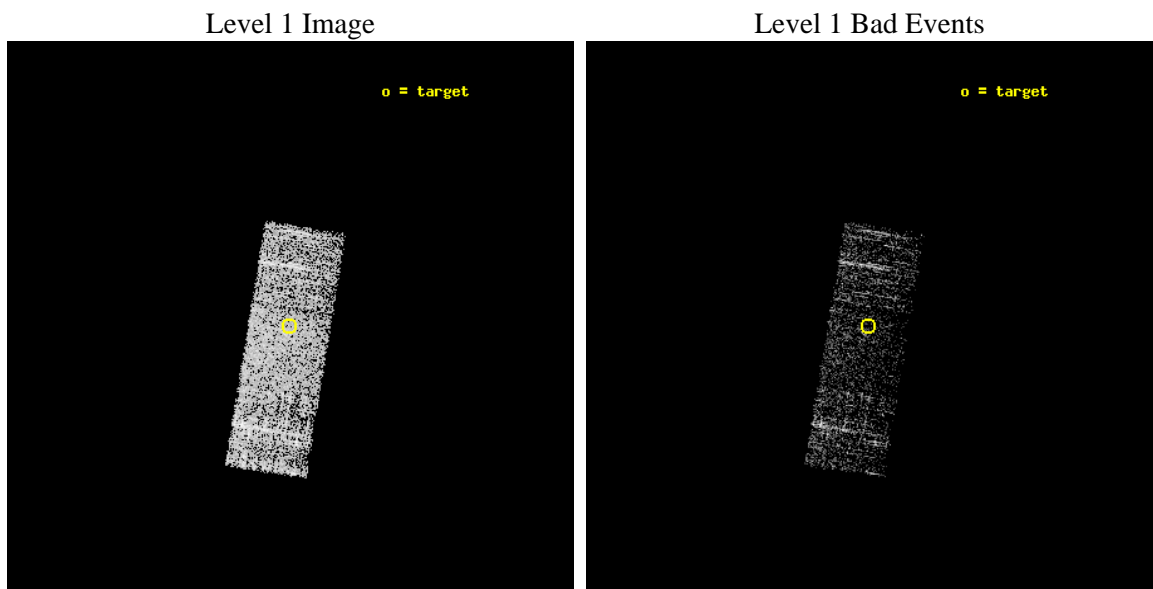
seq_num	702549	Sequence number
obs_id	13342	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J1513+0855	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	228.46875	Observer's specified target RA [deg]
dec_targ	8.932139	Observer's specified target Dec [deg]
ra_nom	228.46592317436	Nominal RA [deg]
dec_nom	8.9334306674385	Nominal Dec [deg]
roll_nom	99.488992129388	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1579.6801896095	Sum of GTIs [s]
livetime	1559.0405049886	Livetime [s]
ontime6	1579.6391496062	Sum of GTIs [s]
ontime7	1579.6801896095	Sum of GTIs [s]
ontime8	1579.5981096029	Sum of GTIs [s]
l2events	6071	Number of level 2 events



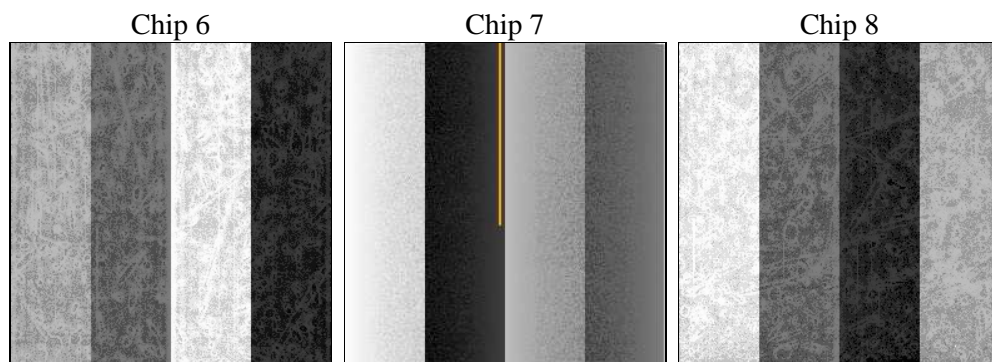
## 2 OBI

### 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	1579.6801896095	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime6	1579.6391496062	Sum of GTIs [s]
date	2012-03-23T05:26:15	Date and time of file creation	ontime7	1579.6801896095	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	1579.5981096029	Sum of GTIs [s]
			l1events	27287	Number of level 1 events

### 2.1.4 Events

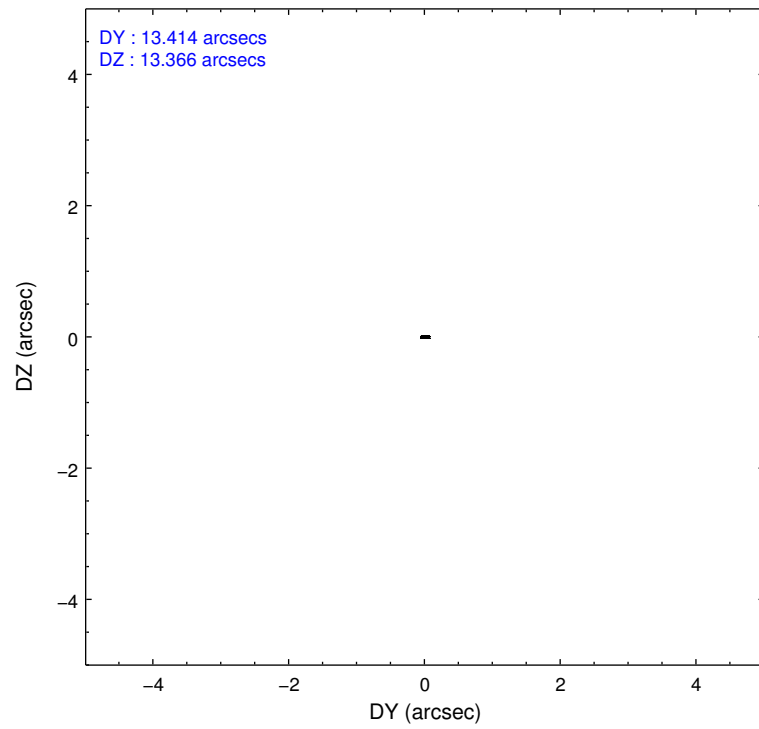
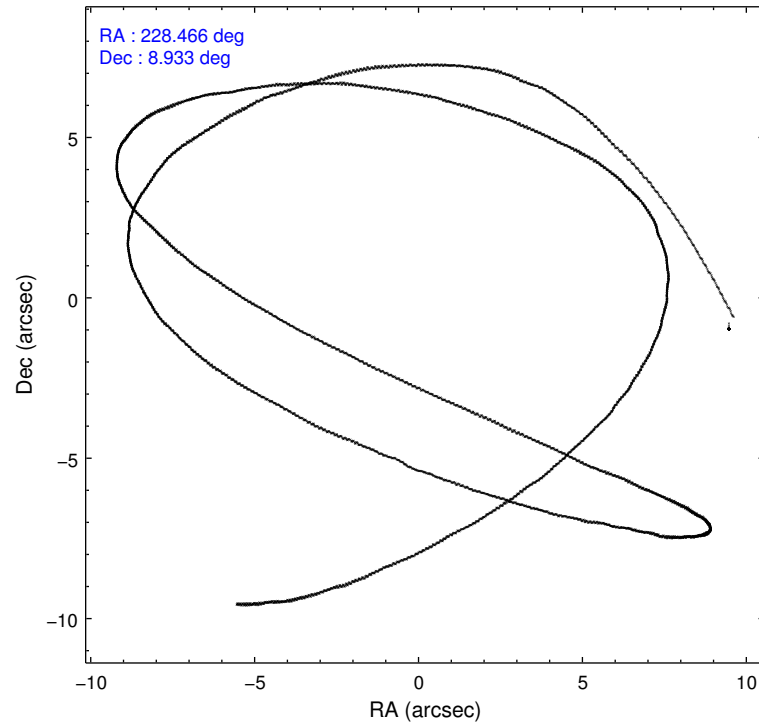
	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
level 1 events	7973	9354	9960
rejected events	7001	4879	7158
rejected %	87%	52%	71%

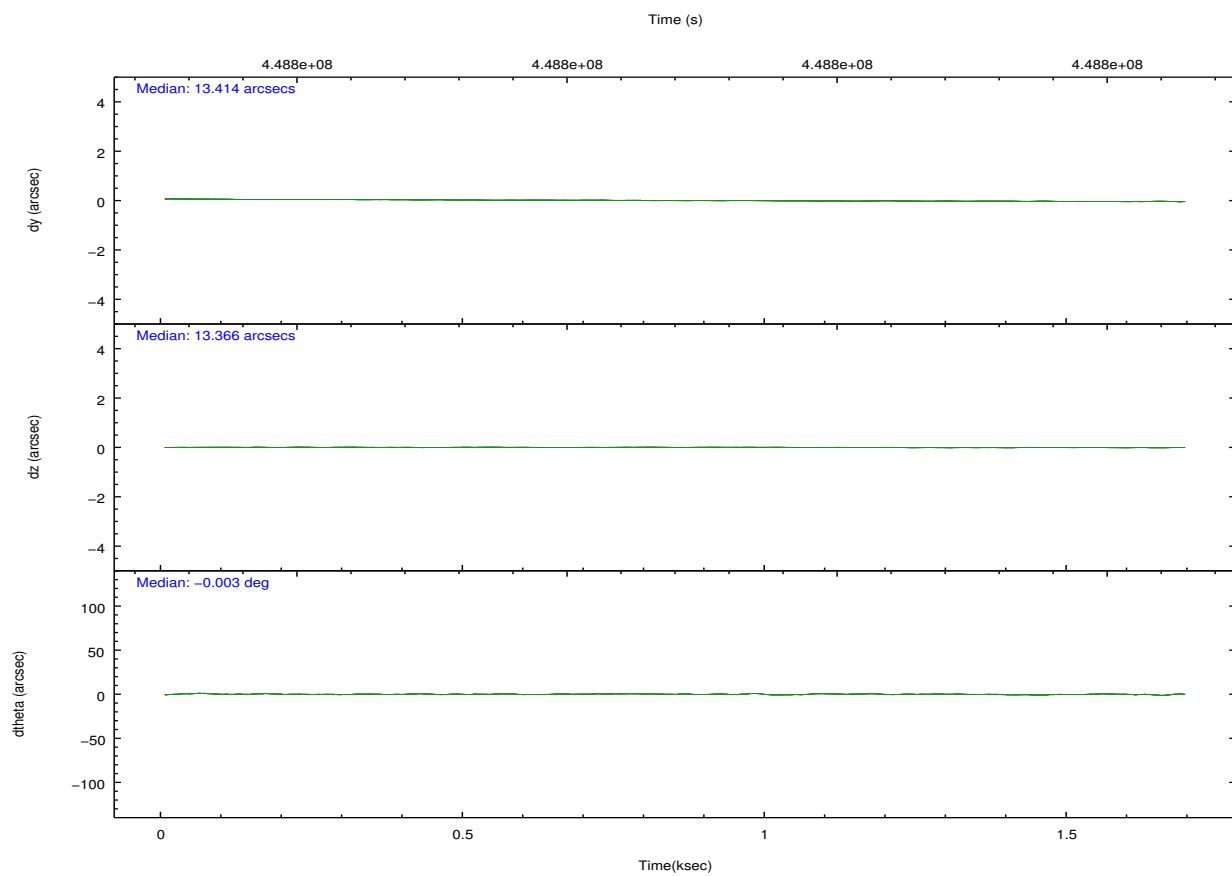
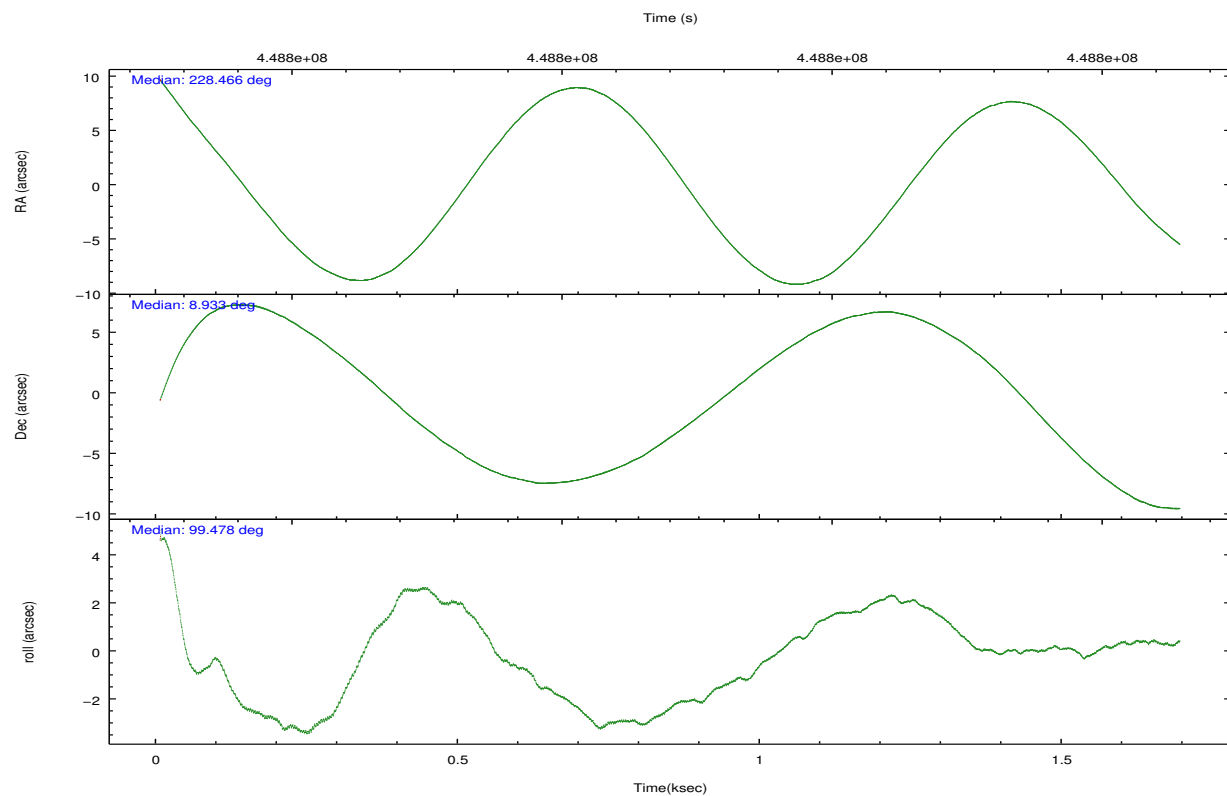
	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
grade 0 events	343	464	868
	4%	4%	8%
grade 1 events	7	14	7
	0%	0%	0%
grade 2 events	220	971	680
	2%	10%	6%
grade 3 events	102	386	311
	1%	4%	3%
grade 4 events	103	415	291
	1%	4%	2%
grade 5 events	386	908	508
	4%	9%	5%
grade 6 events	205	2250	654
	2%	24%	6%
grade 7 events	6607	3946	6641
	82%	42%	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	228.483820	228.465923174356	Subarray requested	NONE	NONE
[deg] Pointing Dec	8.912462	8.933430667438458	Alternating exposures requested	N	N
[deg] Pointing Roll	99.329507	99.48899212938831	[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)	448800549.184000	448799591.45576			
Observation start date	2012-03-22T10:48:03	2012-03-22T10:33:11			
[s] Observation end time (MET)	448802049.184000	448802756.65593			
Observation end date	2012-03-22T11:13:03	2012-03-22T11:25:56			
Read mode	TIMED	TIMED			

## 2.3 Aspect





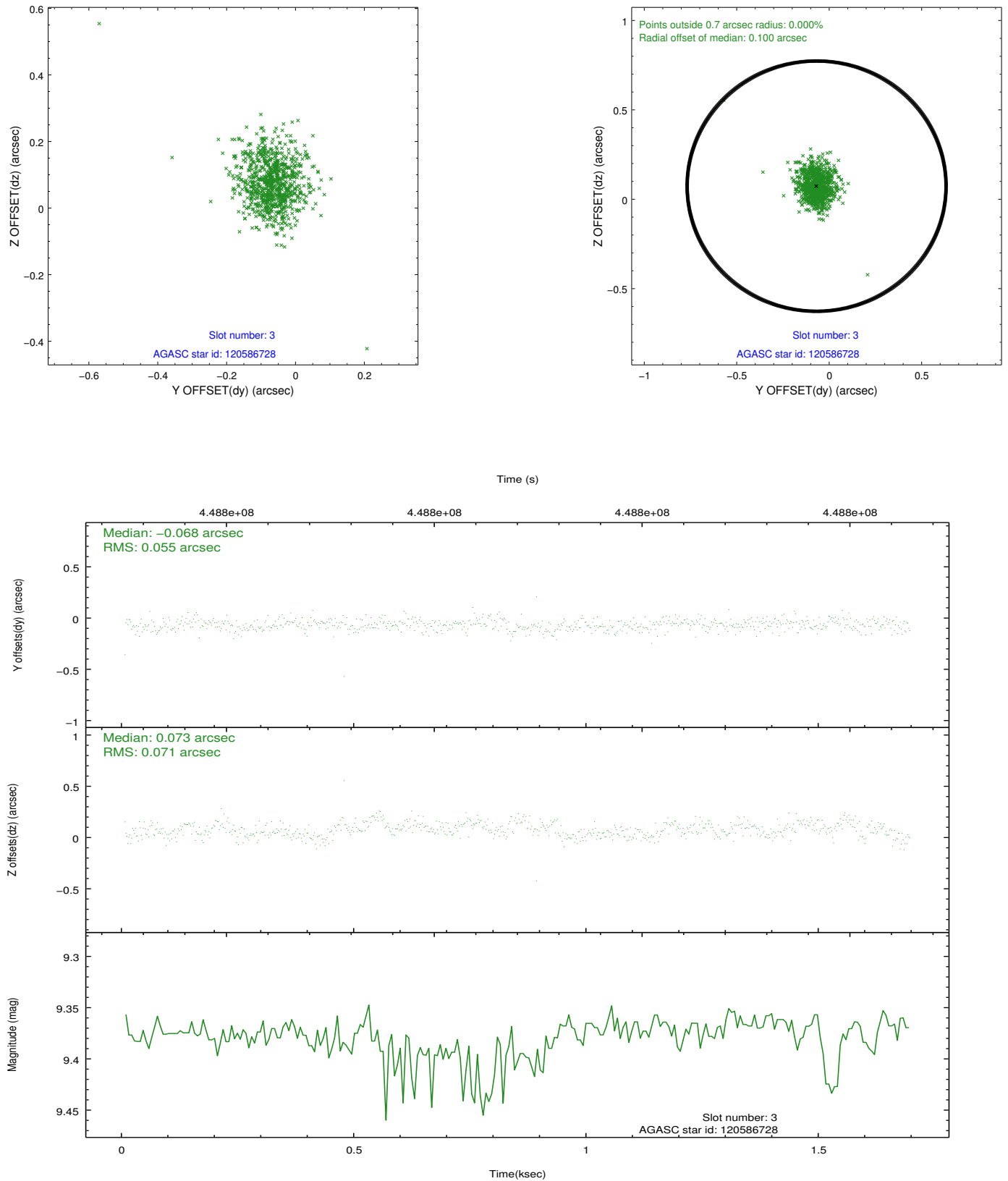
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.01	413	-0.050	-0.045	0.006	0.010	0.000000	0.000000	-766.41	-1734.68
1	FID	ACIS-S-4	7.09	413	0.203	0.036	0.005	0.011	0.000000	0.000000	2145.35	169.81
2	FID	ACIS-S-5	7.13	413	-0.184	0.018	0.006	0.011	0.000000	0.000000	-1814.37	167.94
3	GUIDE	120586728	9.38	825	-0.068	0.073	0.090	0.144	228.100014	8.601049	-884.65	1530.15
4	GUIDE	120588088	9.49	819	0.075	0.349	0.114	0.184	228.309752	8.720388	-583.07	725.91
5	GUIDE	120591448	9.00	825	0.149	-0.110	0.094	0.153	228.105389	8.429697	-1496.90	1612.47
6	GUIDE	120592656	7.96	825	-0.139	-0.647	0.090	0.142	227.893195	8.517064	-1064.70	2307.13
7	GUIDE	120596344	9.19	824	-0.022	0.328	0.090	0.146	228.912596	8.415853	-2012.11	-1213.90

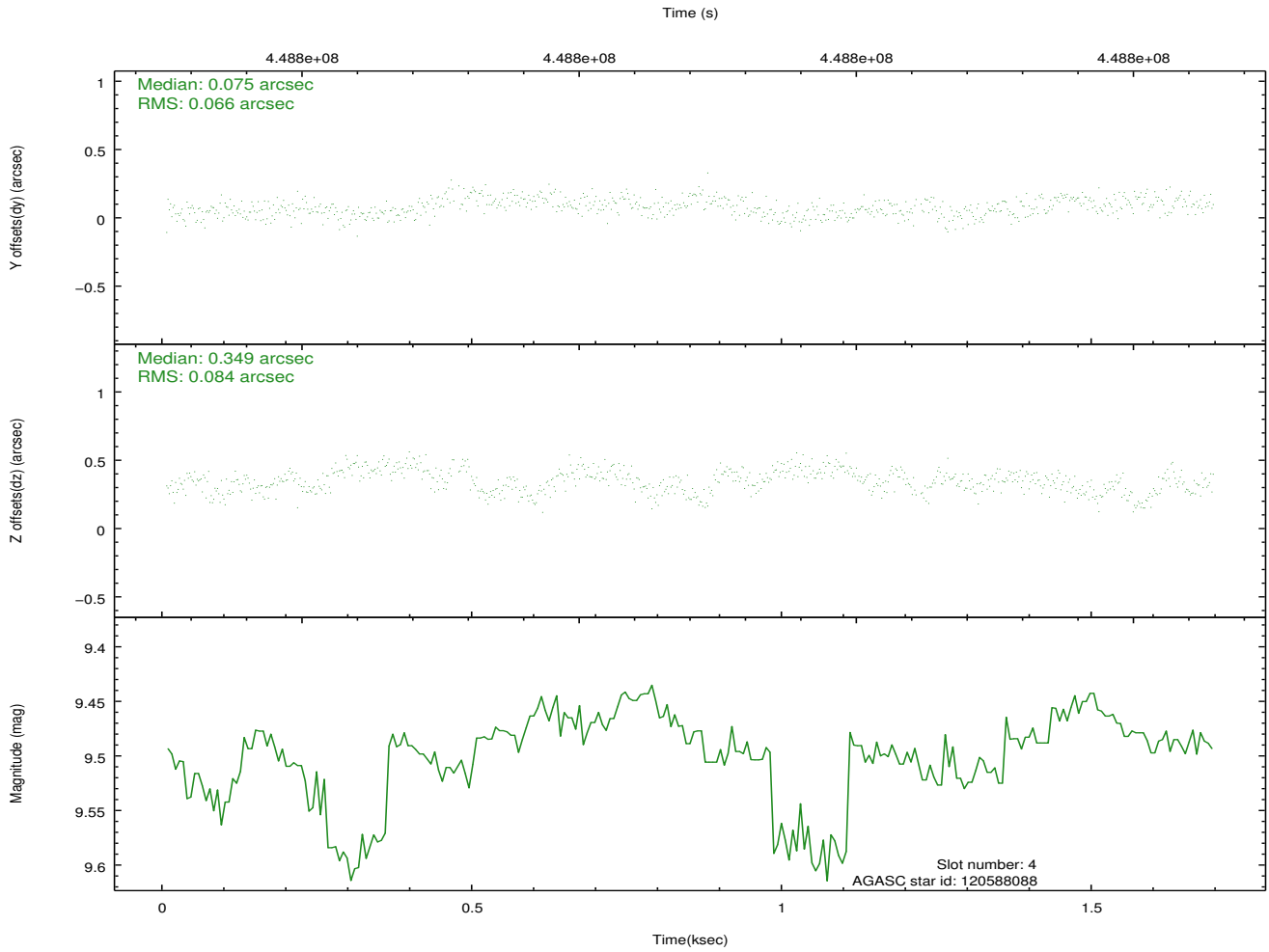
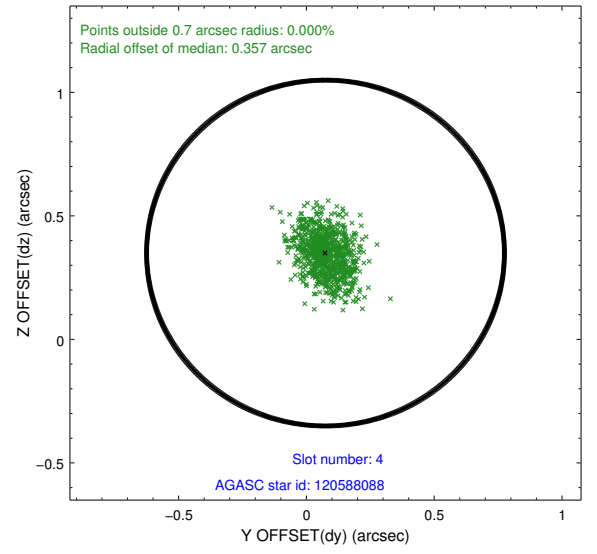
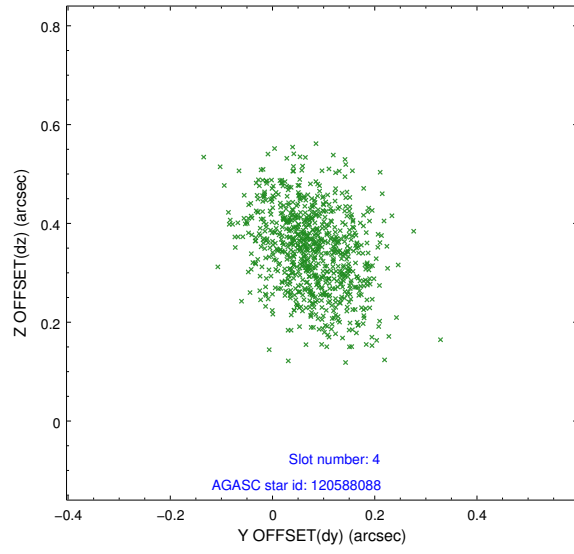


## 2.4 Star Slots

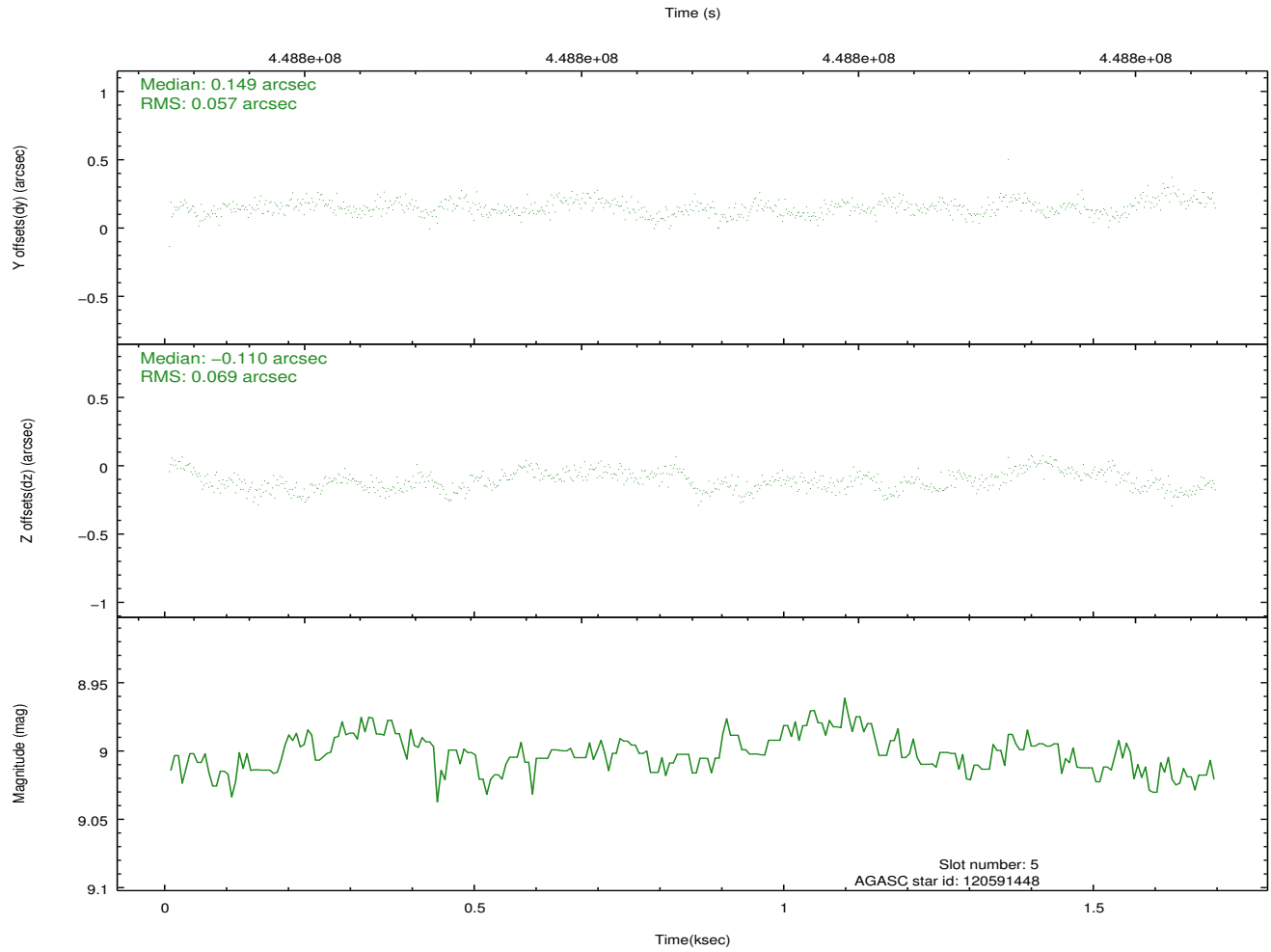
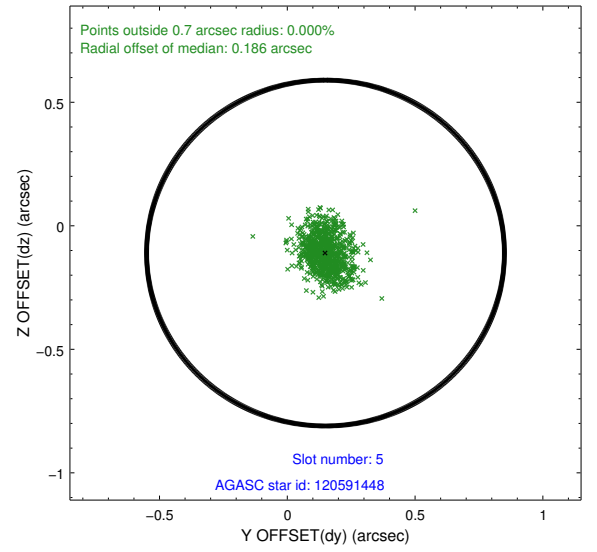
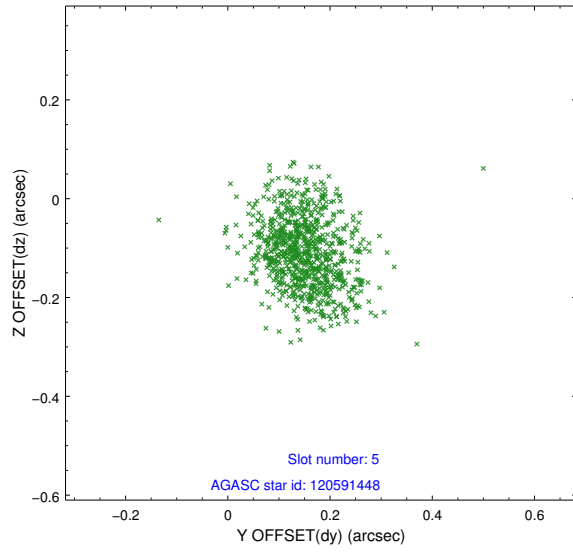
### 2.4.1 Slot 3



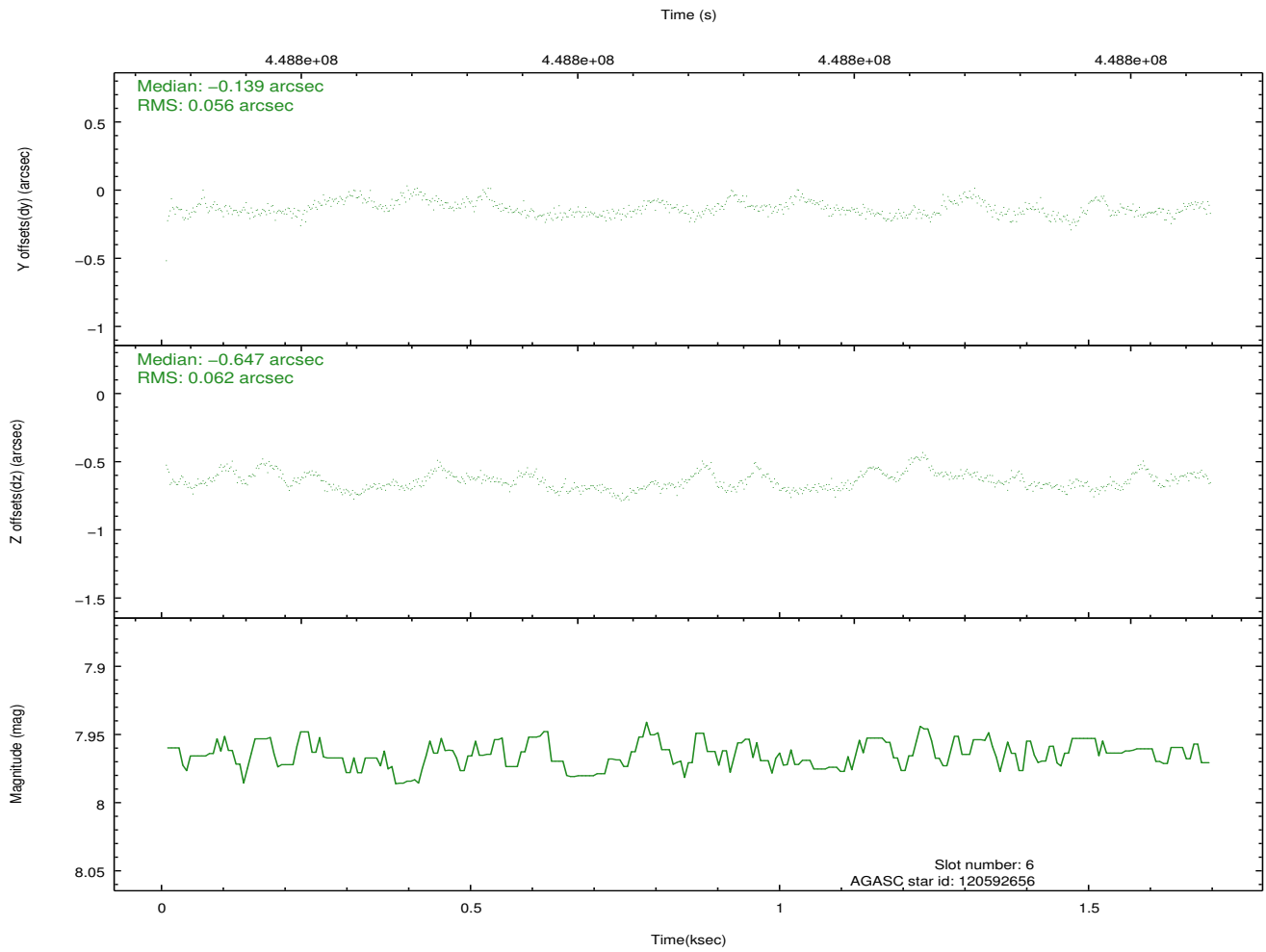
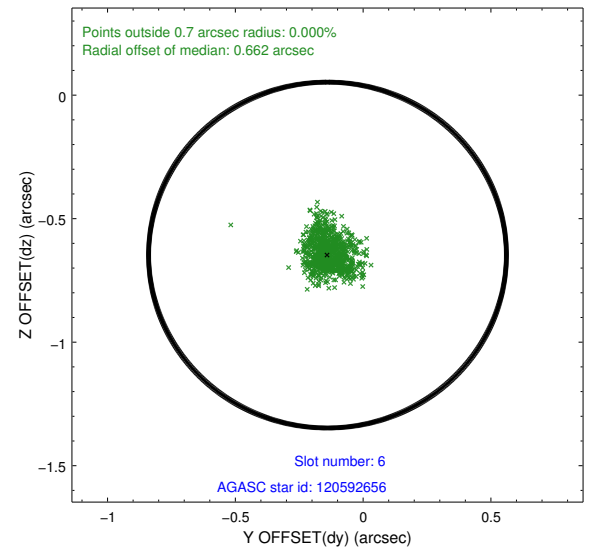
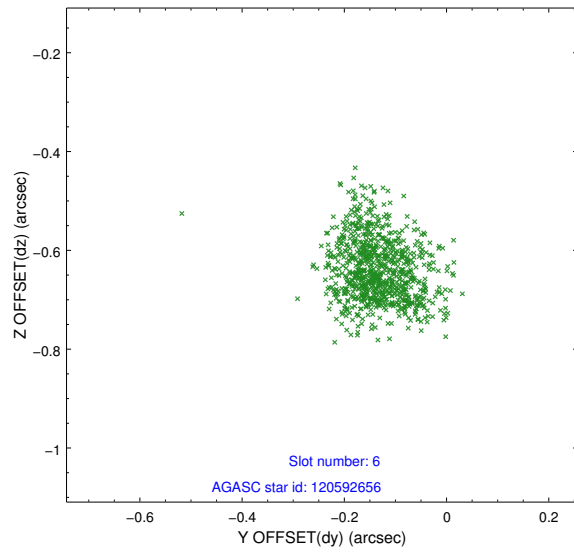
## 2.4.2 Slot 4



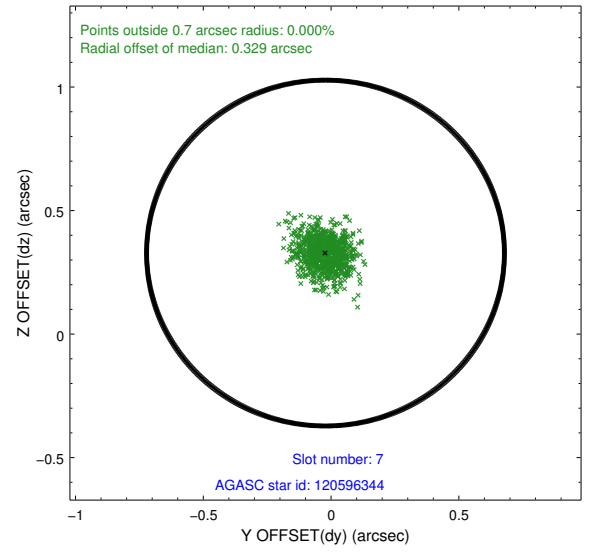
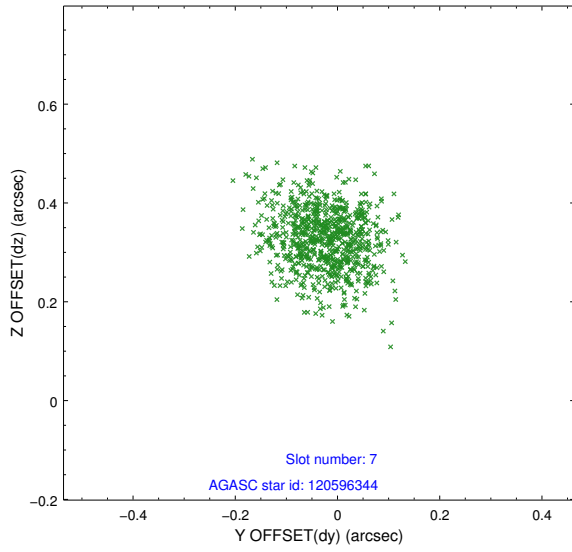
### 2.4.3 Slot 5



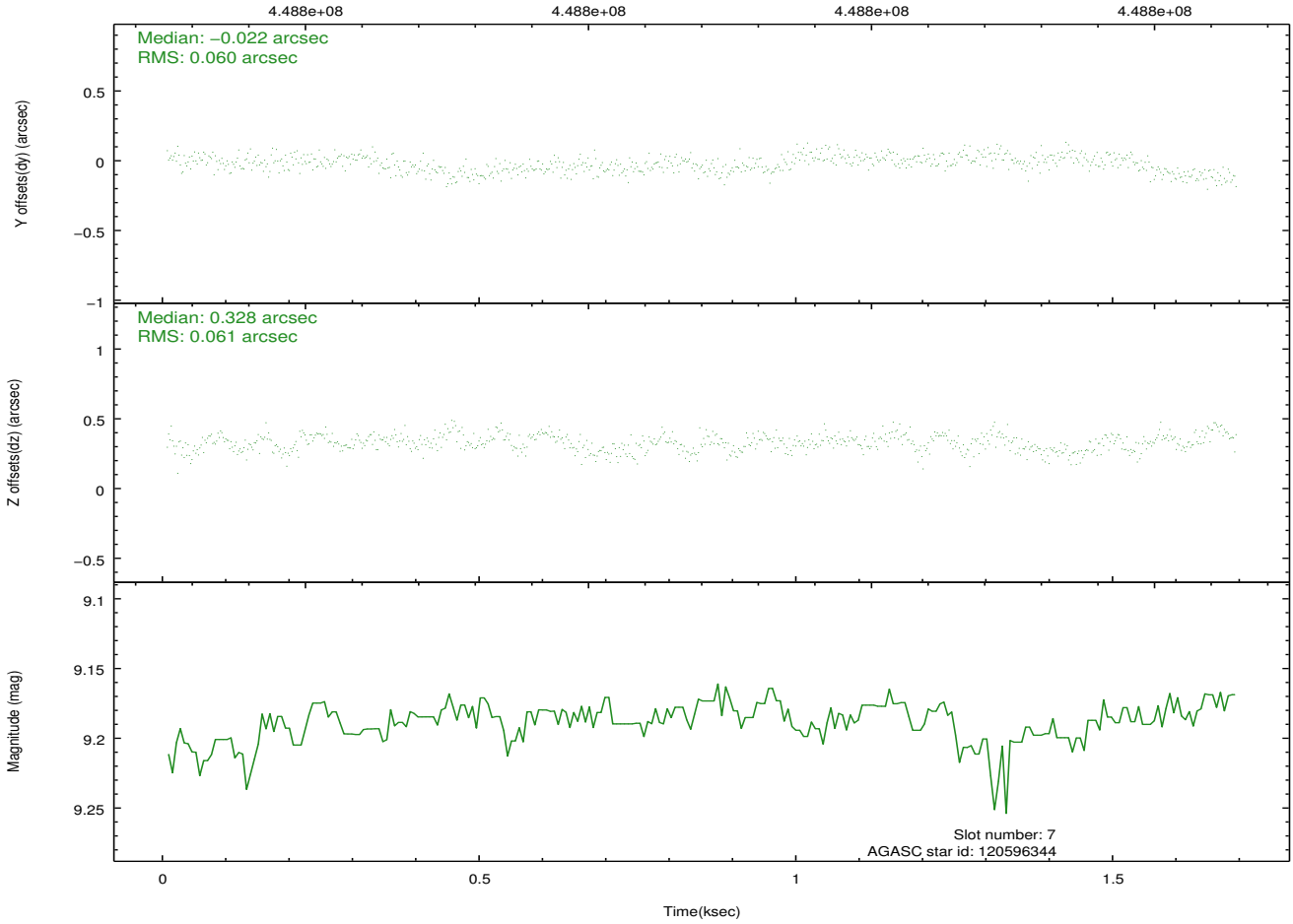
## 2.4.4 Slot 6



## 2.4.5 Slot 7

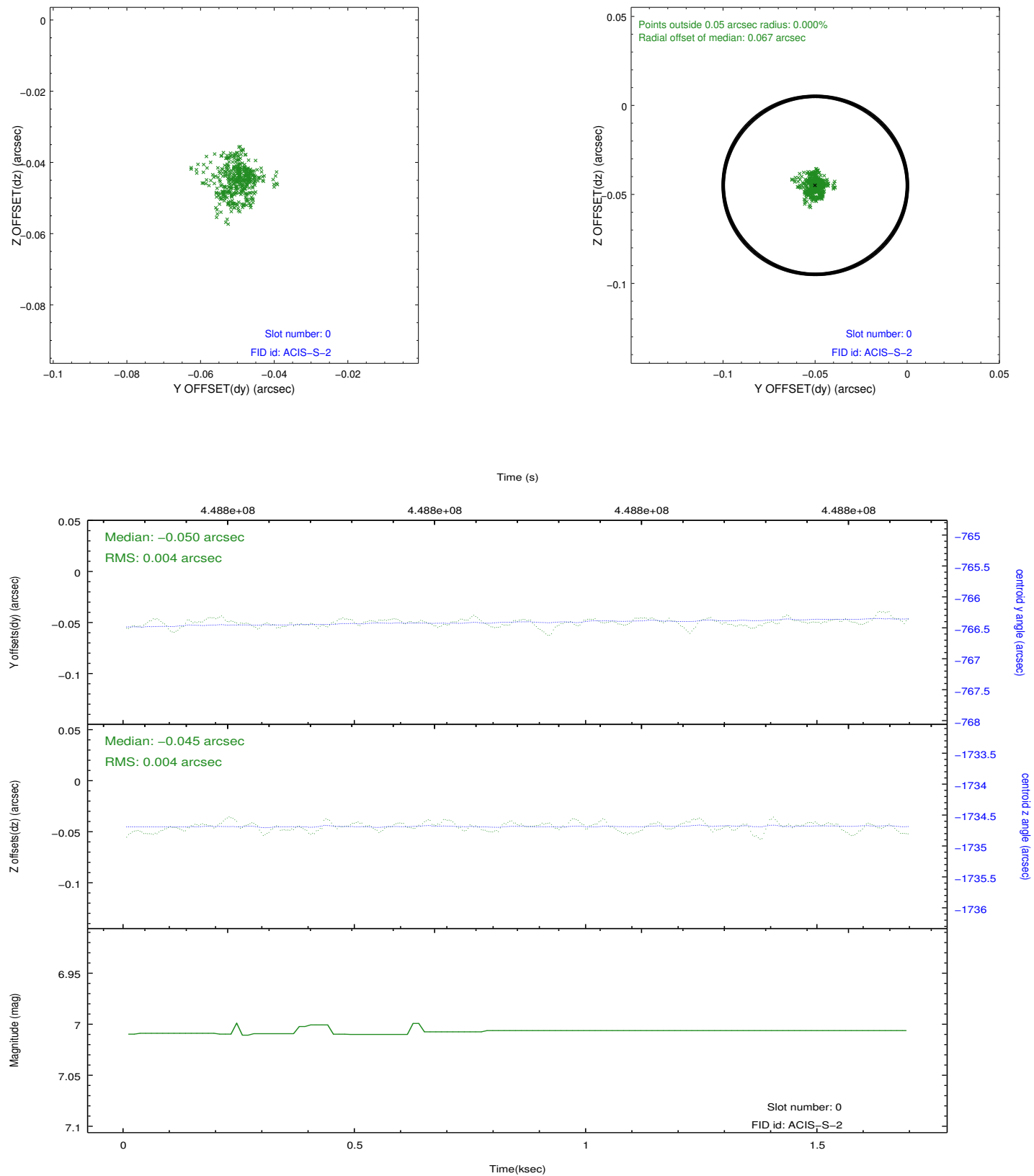


Time (s)

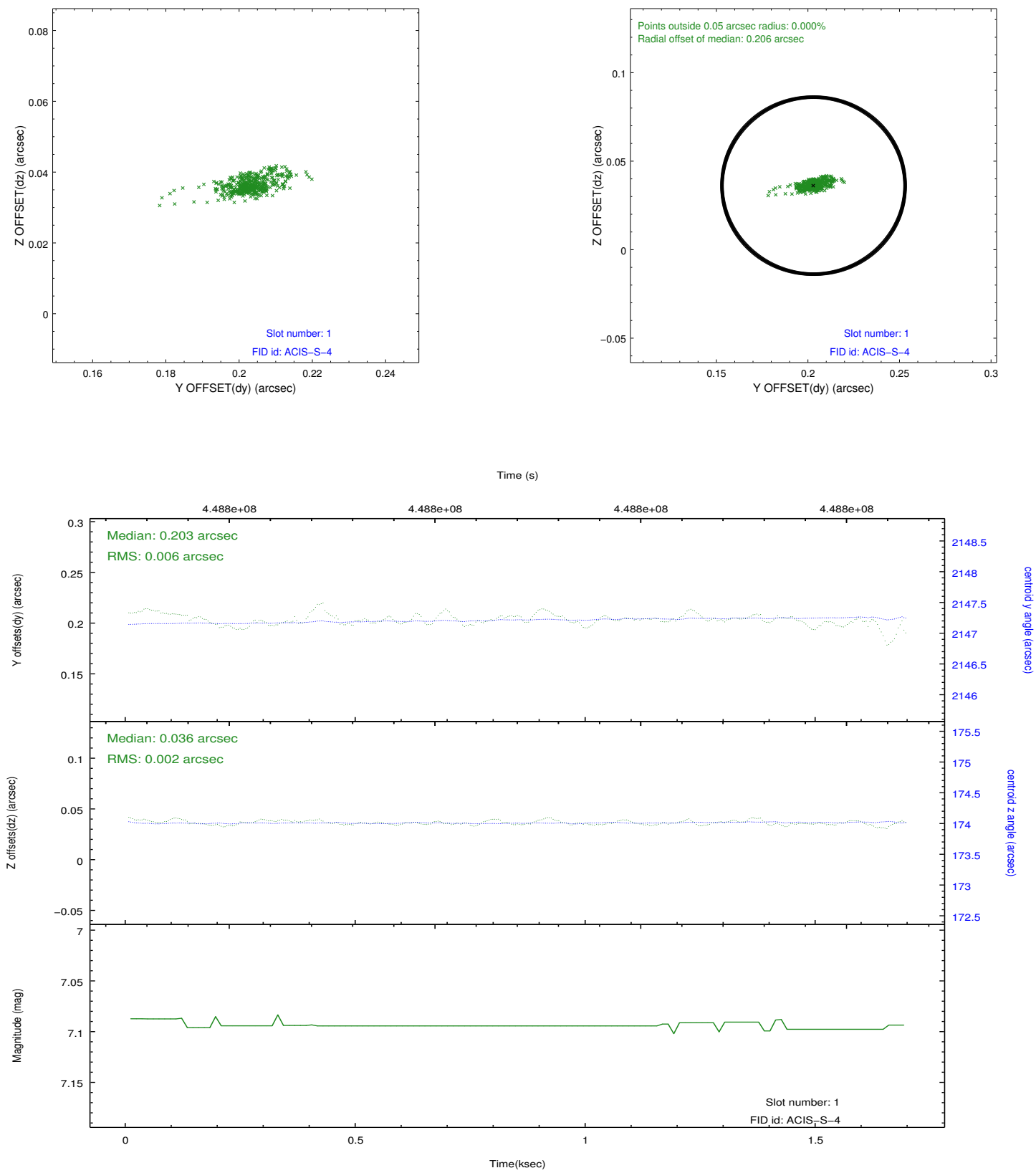


## 2.5 FID Slots

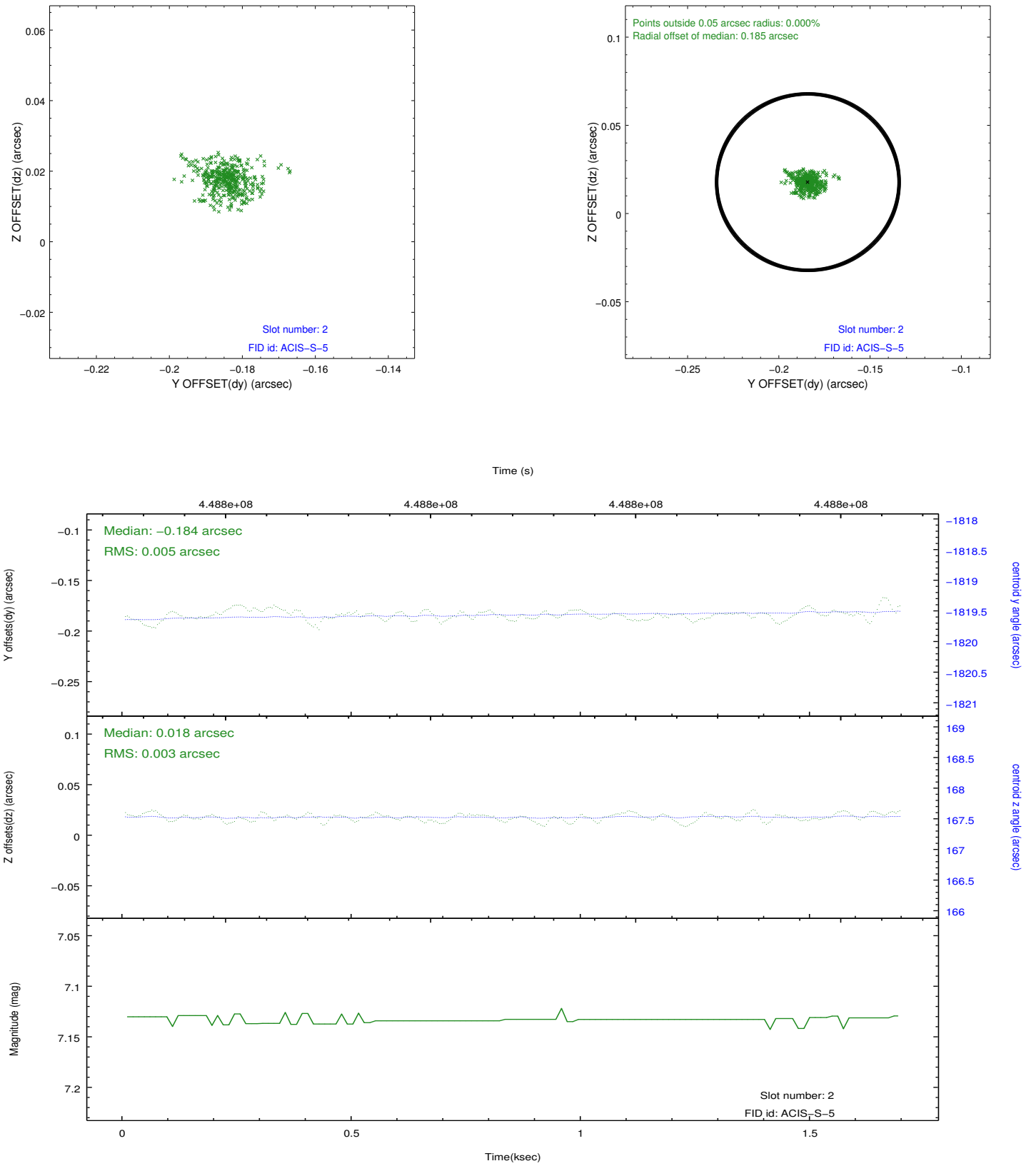
### 2.5.1 Slot 0



2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.03.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5796801896095

### A.2 Comments