

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13361 - L2 Version 1  
Chandra X-Ray Center

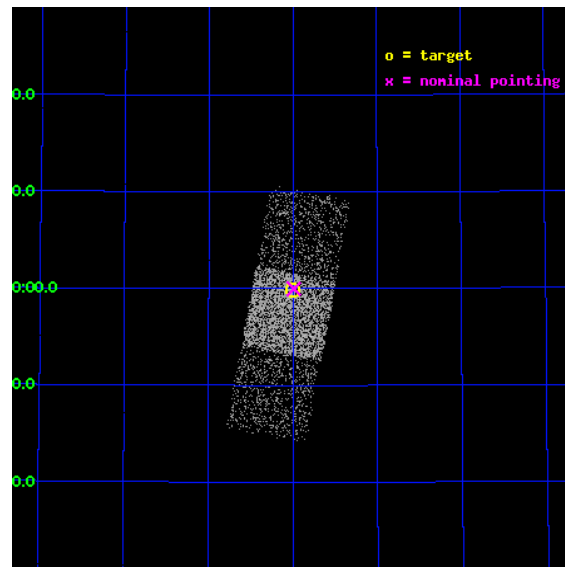
L2 Processing Date : Feb 18 2012

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# 1 Front

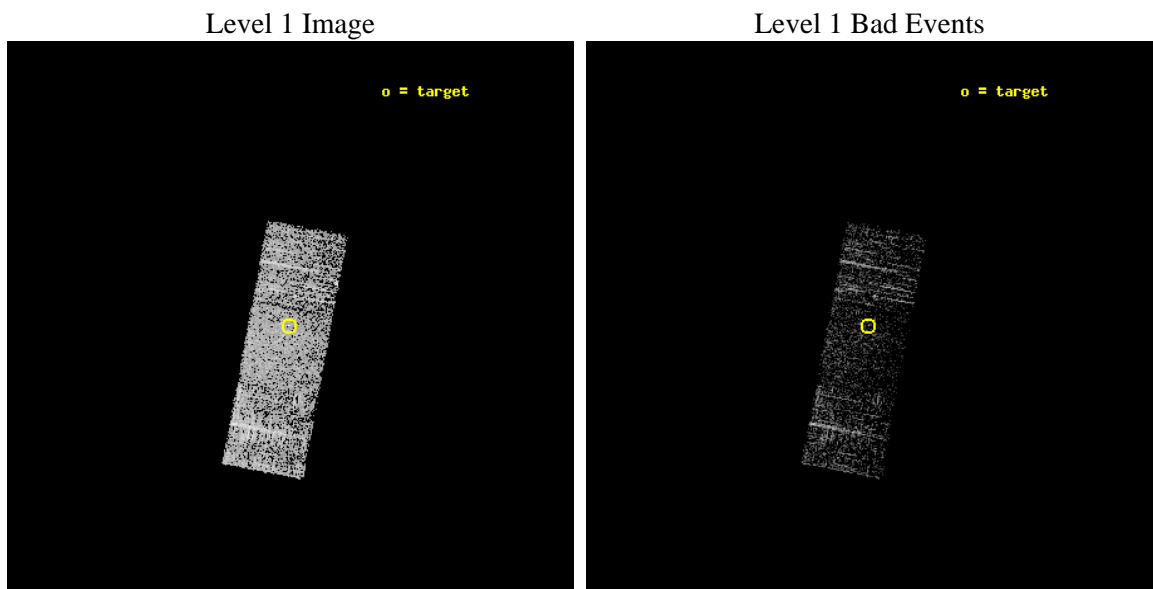
seq_num	702568	Sequence number
obs_id	13361	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J1435+5359	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	218.752083	Observer's specified target RA [deg]
dec_targ	53.99825	Observer's specified target Dec [deg]
ra_nom	218.74696914172	Nominal RA [deg]
dec_nom	53.999677028911	Nominal Dec [deg]
roll_nom	100.6659407768	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1577.9000121355	Sum of GTIs [s]
livetime	1557.2835868439	Livetime [s]
ontime6	1577.9000121355	Sum of GTIs [s]
ontime7	1577.9000121355	Sum of GTIs [s]
ontime8	1577.9000121355	Sum of GTIs [s]
l2events	6391	Number of level 2 events



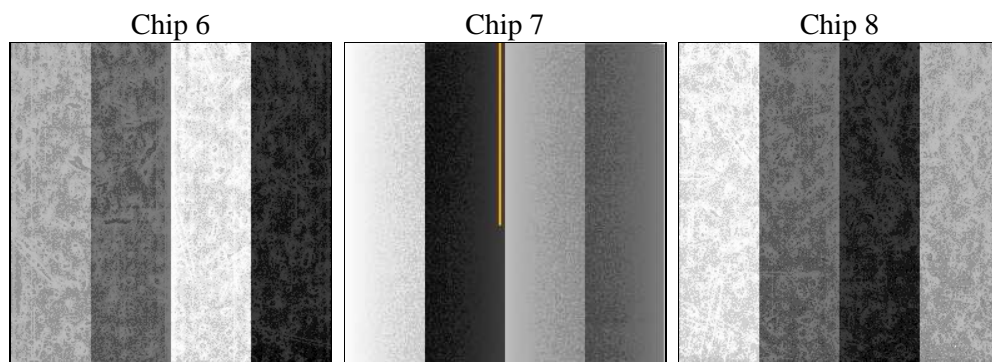
## 2 OBI

### 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	1577.9000121355	Sum of GTIs [s]
caldbver	4.4.8	&#160	ontime6	1577.9000121355	Sum of GTIs [s]
date	2012-02-18T14:02:14	Date and time of file creation	ontime7	1577.9000121355	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	1577.9000121355	Sum of GTIs [s]
			l1events	30035	Number of level 1 events

### 2.1.4 Events

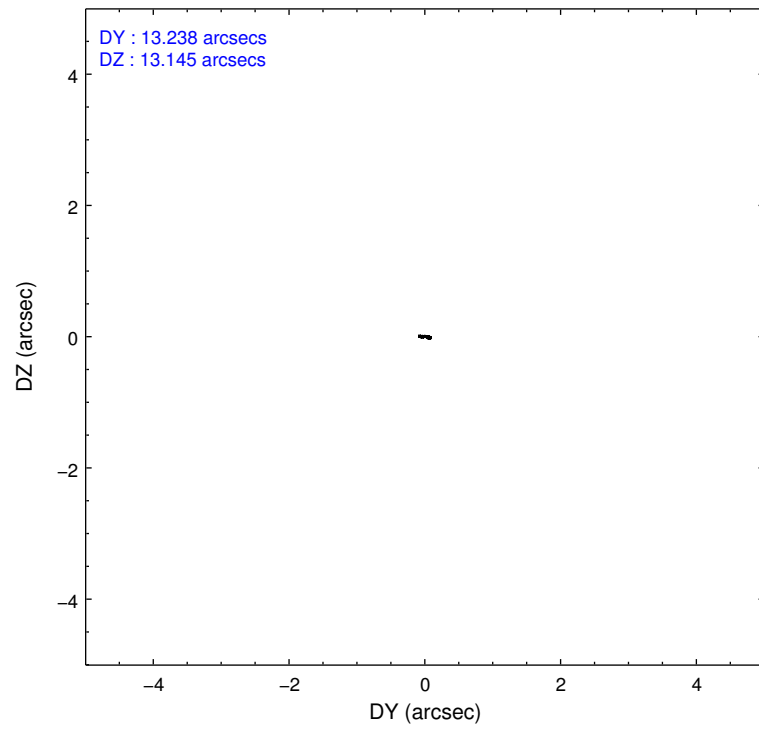
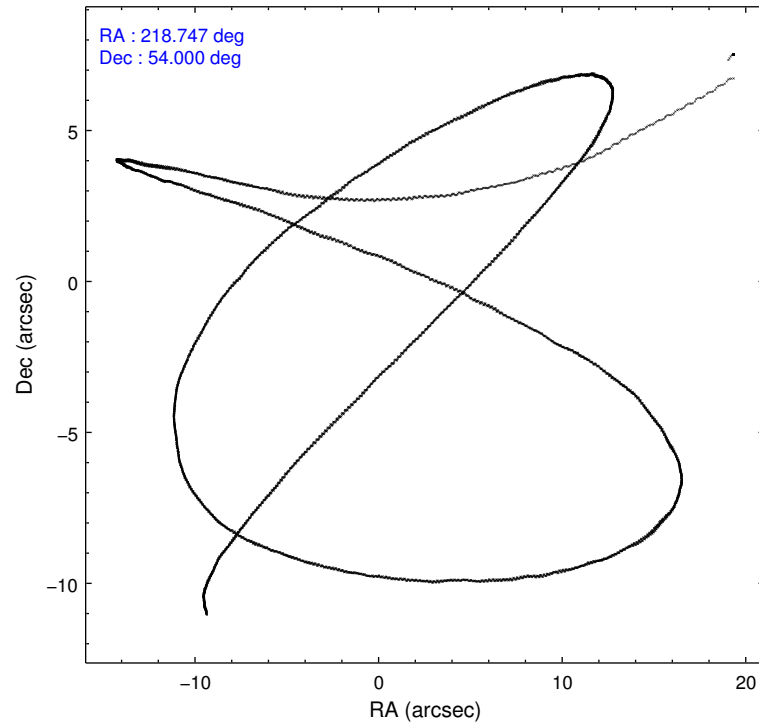
	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
level 1 events	8856	9753	11426
rejected events	7738	5024	8138
rejected %	87%	51%	71%

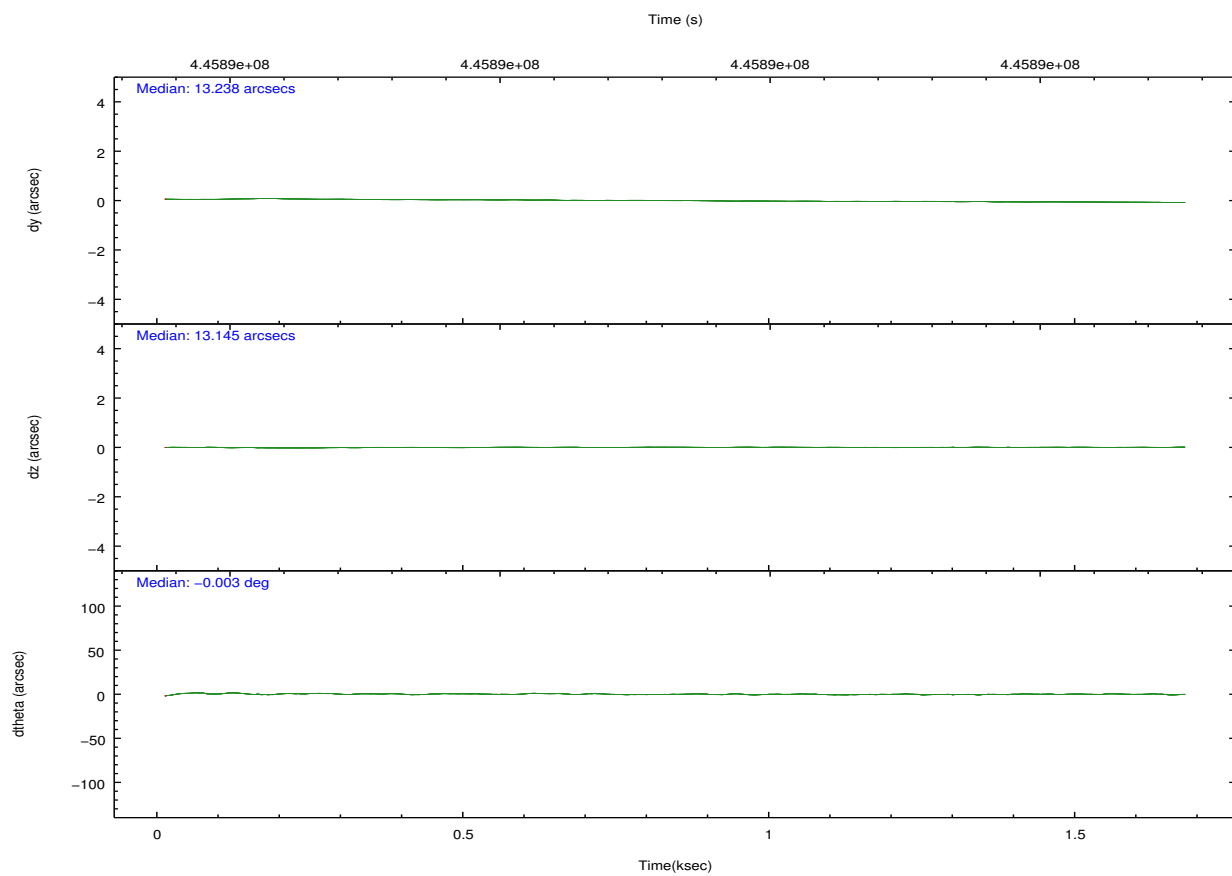
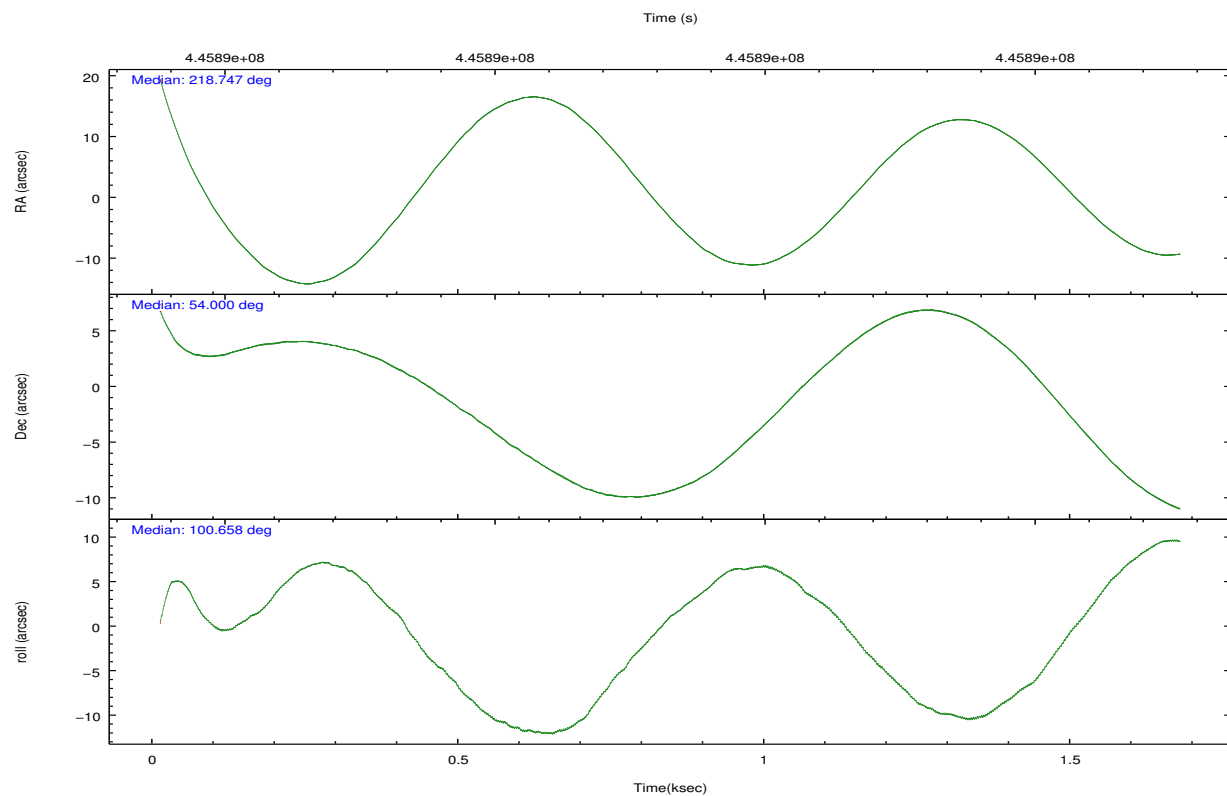
	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
grade 0 events	449	498	893
	5%	5%	7%
grade 1 events	7	16	8
	0%	0%	0%
grade 2 events	240	1010	777
	2%	10%	6%
grade 3 events	121	403	394
	1%	4%	3%
grade 4 events	98	405	324
	1%	4%	2%
grade 5 events	358	1034	500
	4%	10%	4%
grade 6 events	216	2426	907
	2%	24%	7%
grade 7 events	7367	3961	7623
	83%	40%	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	218.778079	218.7469691417154	Subarray requested	NONE	NONE
[deg] Pointing Dec	53.978881	53.9996770289113	Alternating exposures requested	N	N
[deg] Pointing Roll	100.483983	100.6659407767996	[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)	445887157.184000	445886290.68891			
Observation start date	2012-02-17T17:31:31	2012-02-17T17:18:10			
[s] Observation end time (MET)	445888657.184000	445889546.08908			
Observation end date	2012-02-17T17:56:31	2012-02-17T18:12:26			
Read mode	TIMED	TIMED			

## 2.3 Aspect





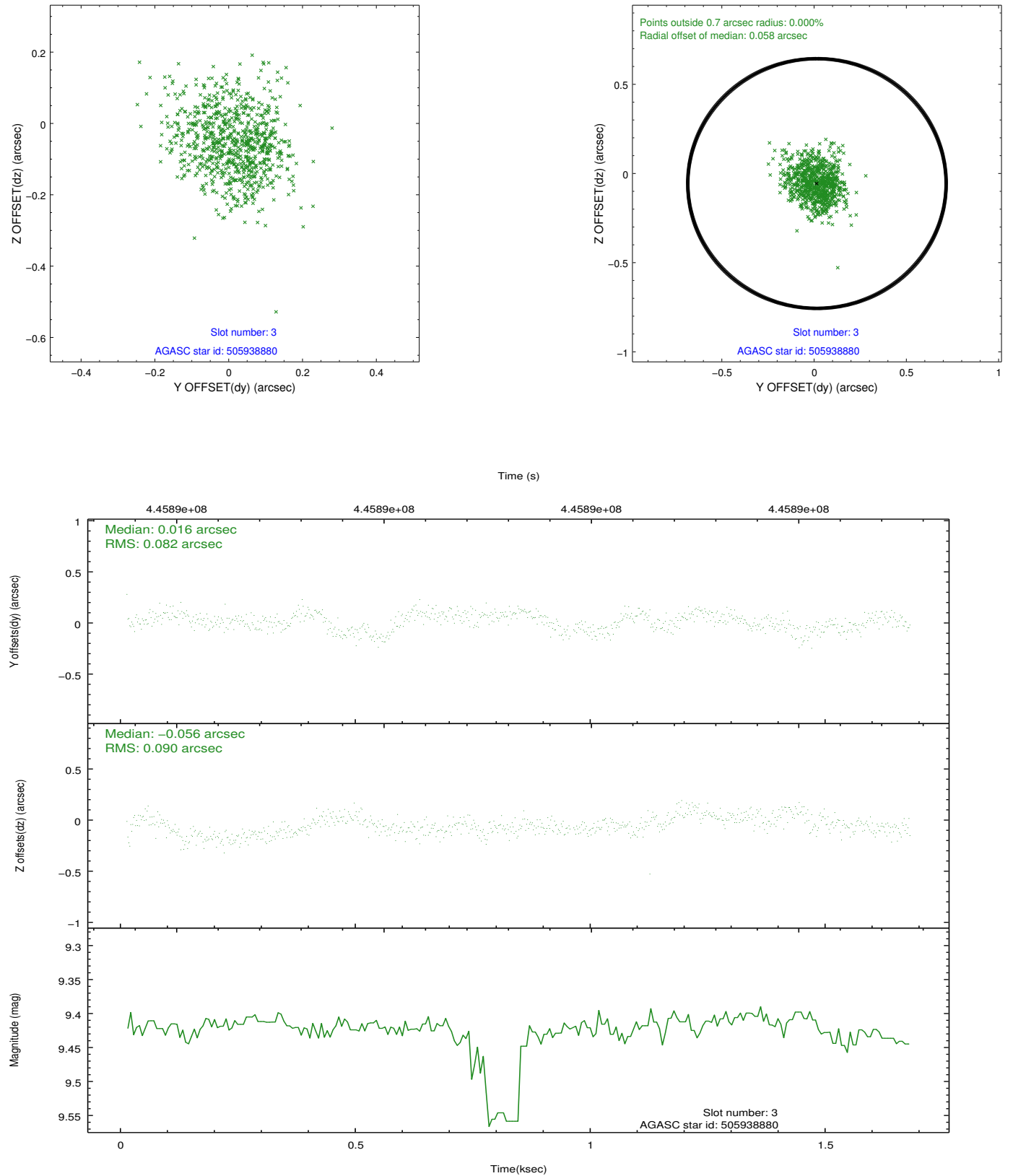
### Slot Statistics

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	407	-0.106	-0.070	0.006	0.012	0.000000	0.000000	-766.29	-1734.53
1	FID	ACIS-S-4	7.10	407	0.151	0.041	0.006	0.011	0.000000	0.000000	2145.46	169.91
2	FID	ACIS-S-6	7.23	407	-0.073	0.037	0.007	0.012	0.000000	0.000000	400.84	811.83
3	GUIDE	505938880	9.42	811	0.016	-0.056	0.129	0.208	218.033686	53.364267	-1877.52	1973.66
4	GUIDE	505939448	9.45	811	0.001	0.038	0.146	0.223	218.905809	53.698828	-1045.65	-82.14
5	GUIDE	505944360	8.88	814	0.078	0.088	0.088	0.156	219.647750	54.058329	-43.95	-1860.54
6	GUIDE	505947472	9.31	810	0.012	0.006	0.114	0.192	218.704378	53.371633	-2121.72	550.78
7	GUIDE	505951272	6.32	813	-0.101	-0.083	0.090	0.158	219.563423	54.023339	-139.46	-1663.58

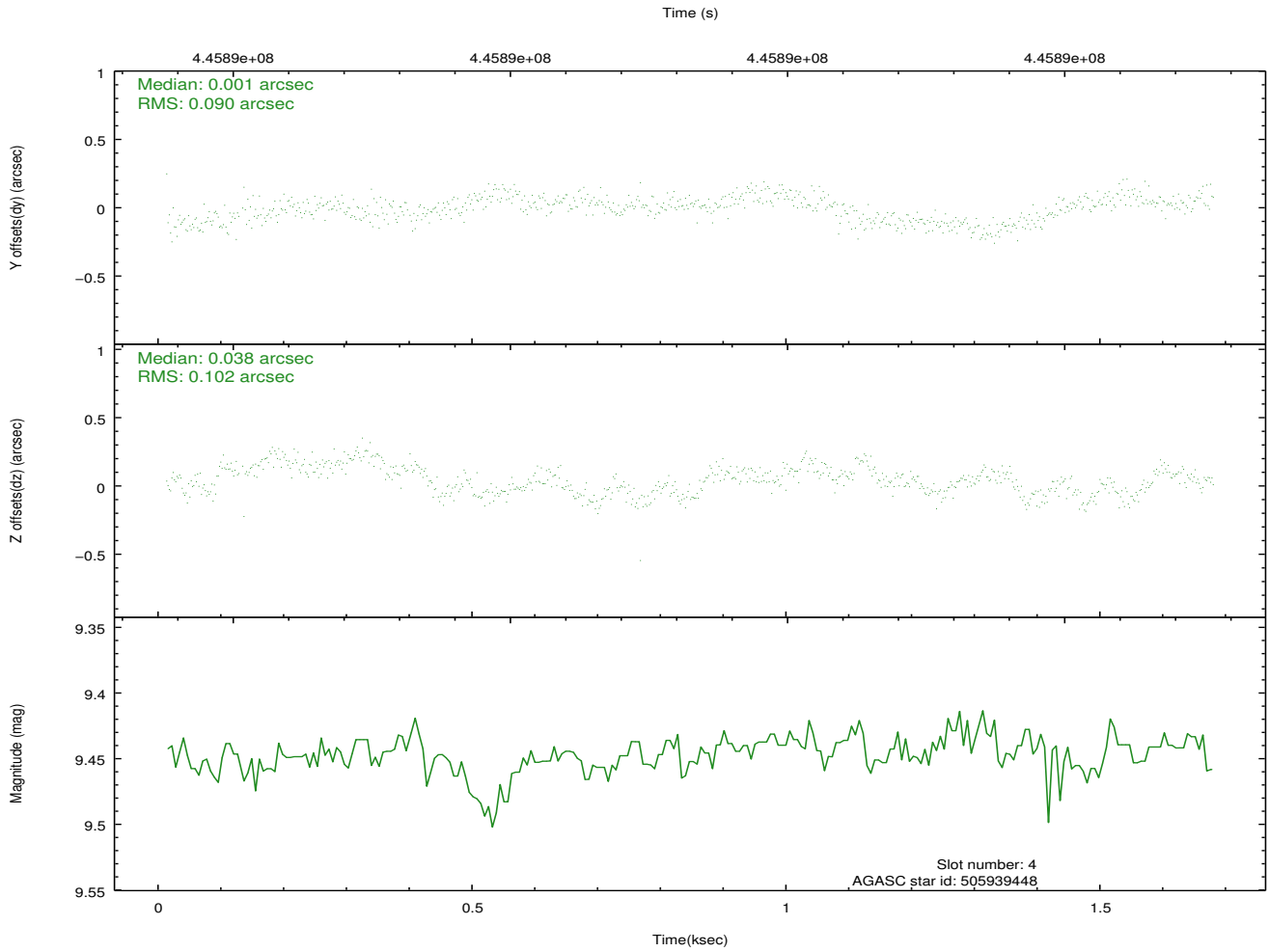
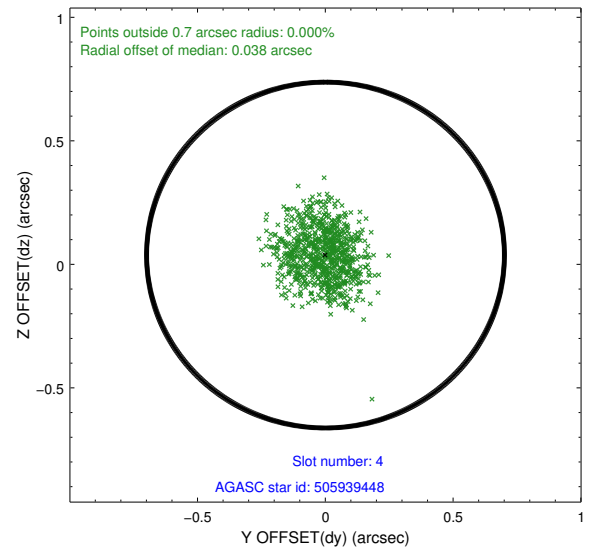
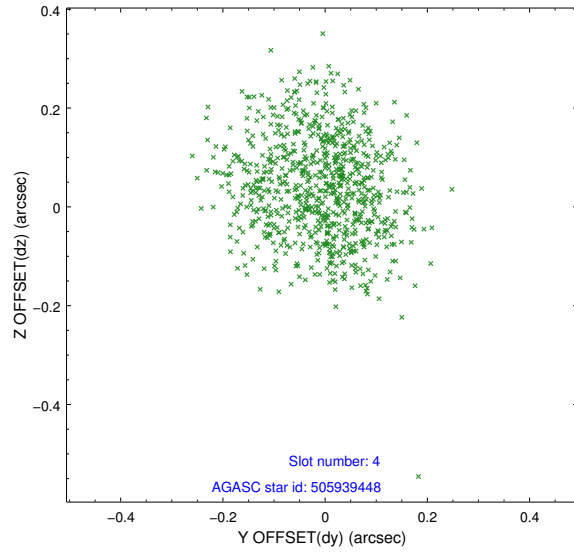


## 2.4 Star Slots

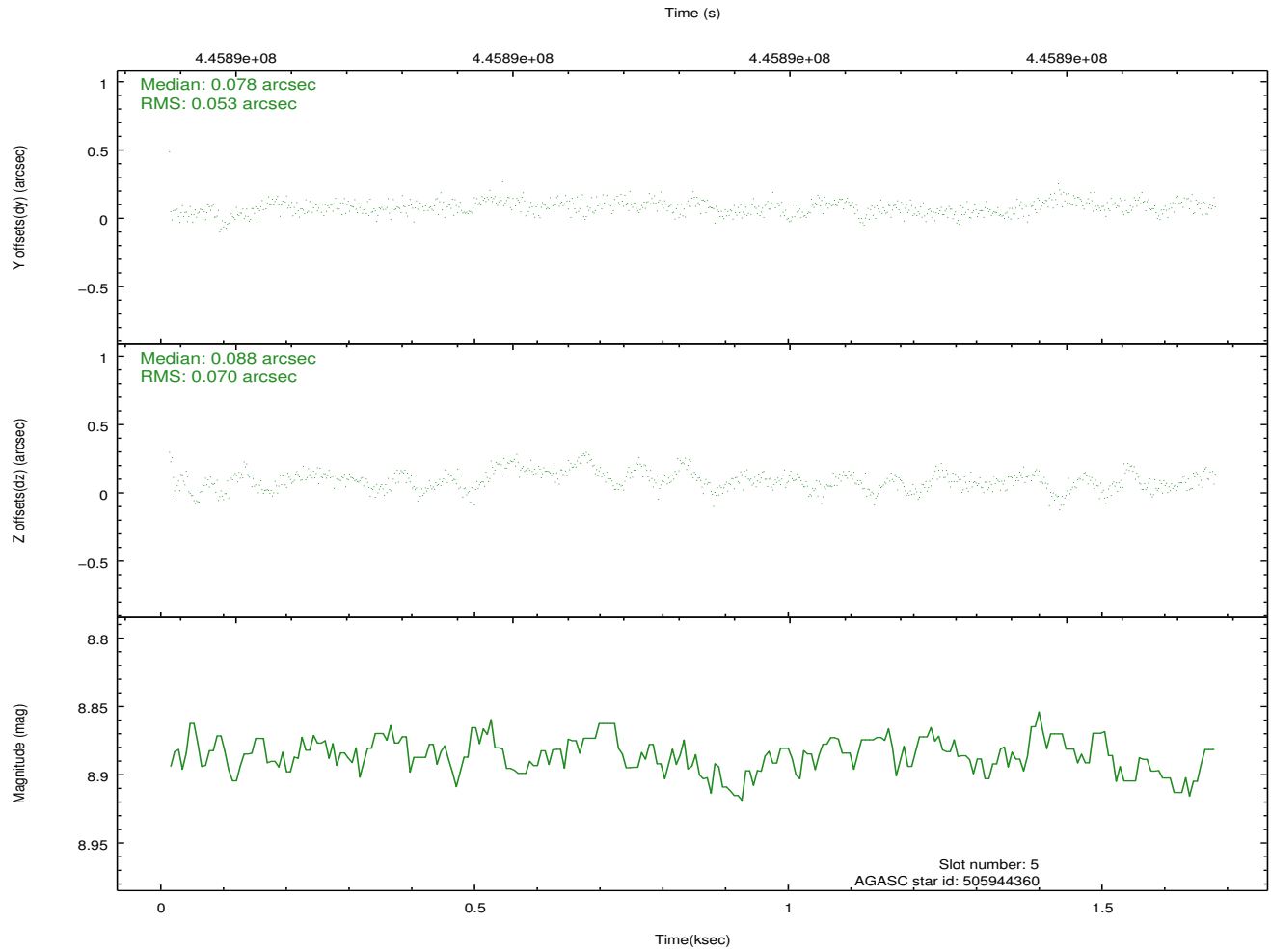
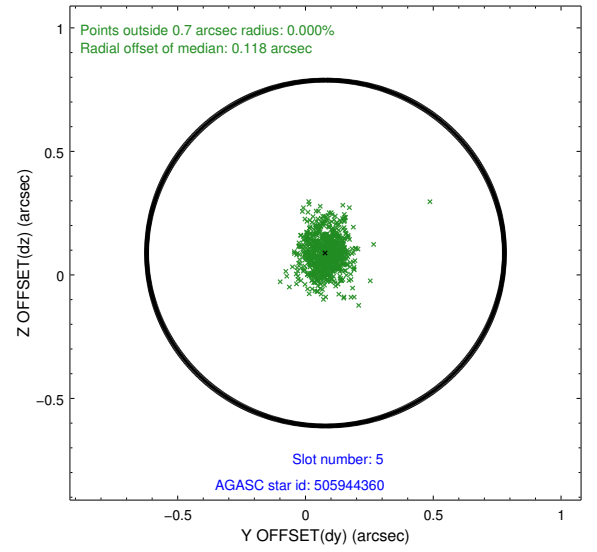
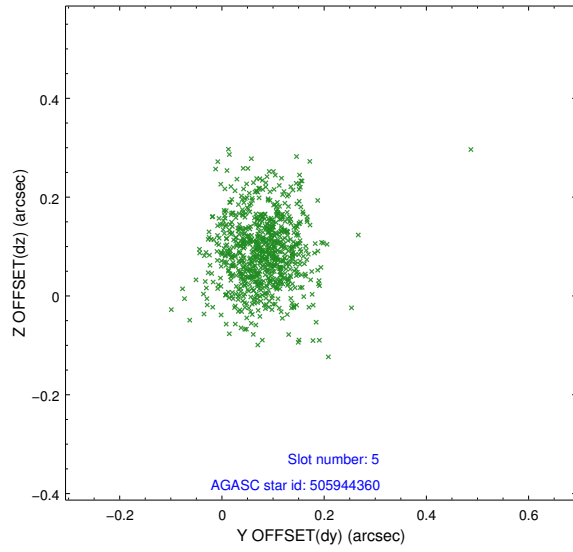
### 2.4.1 Slot 3



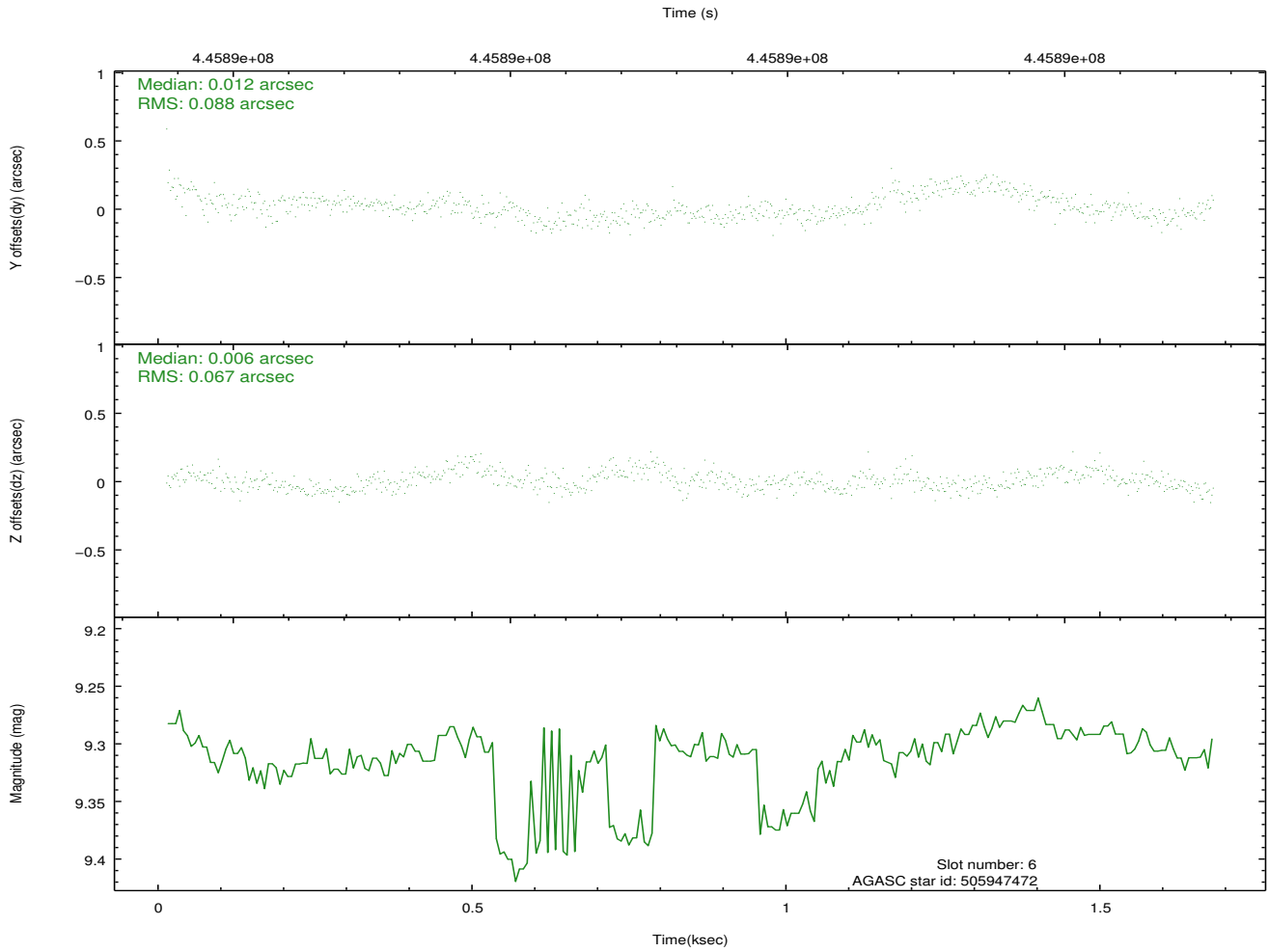
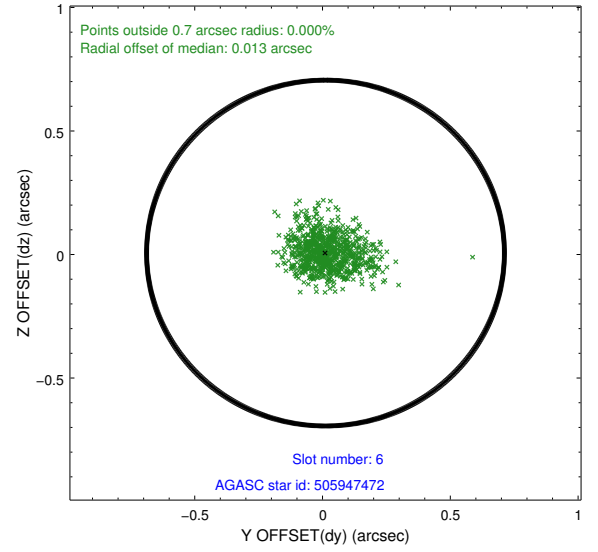
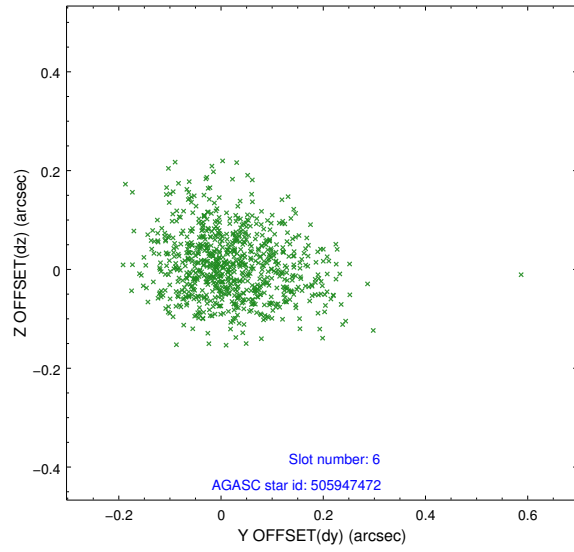
## 2.4.2 Slot 4



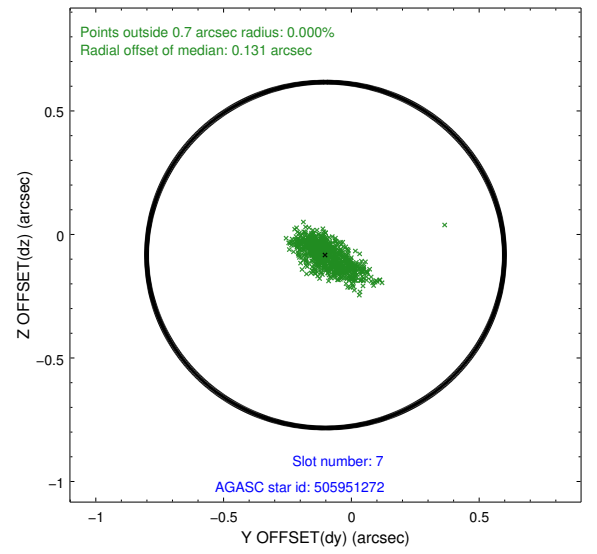
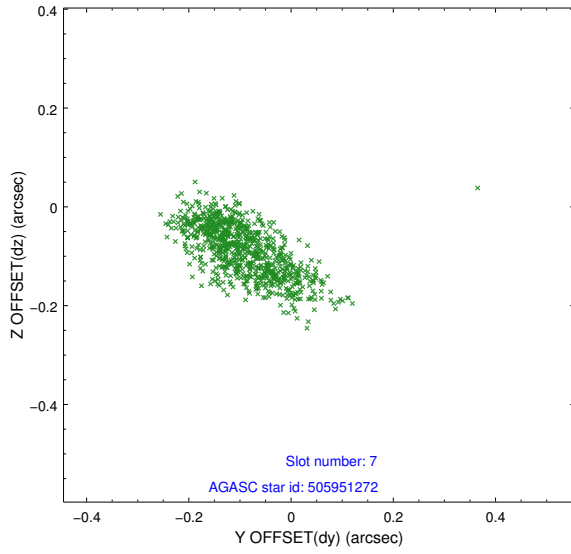
### 2.4.3 Slot 5



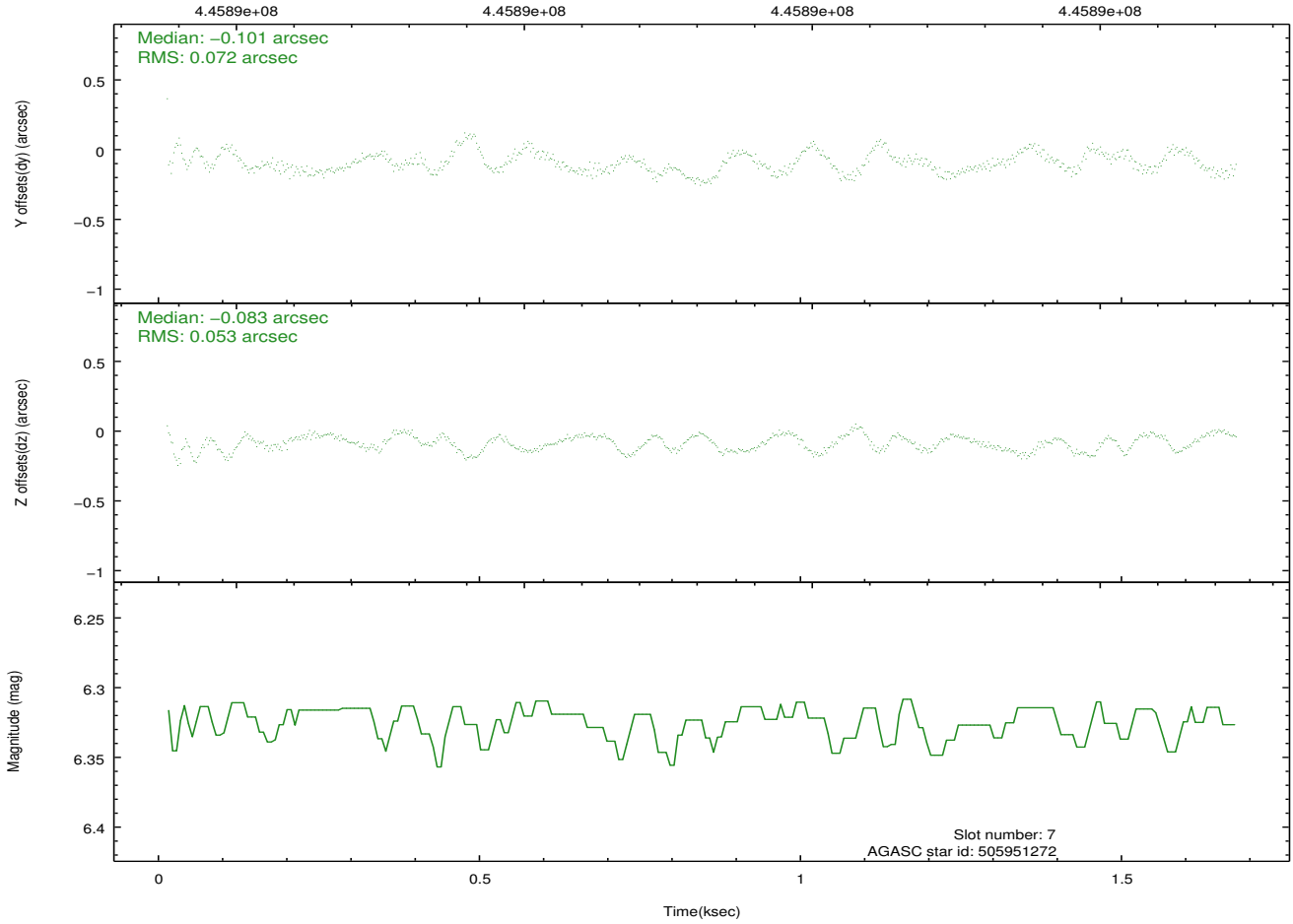
## 2.4.4 Slot 6



## 2.4.5 Slot 7

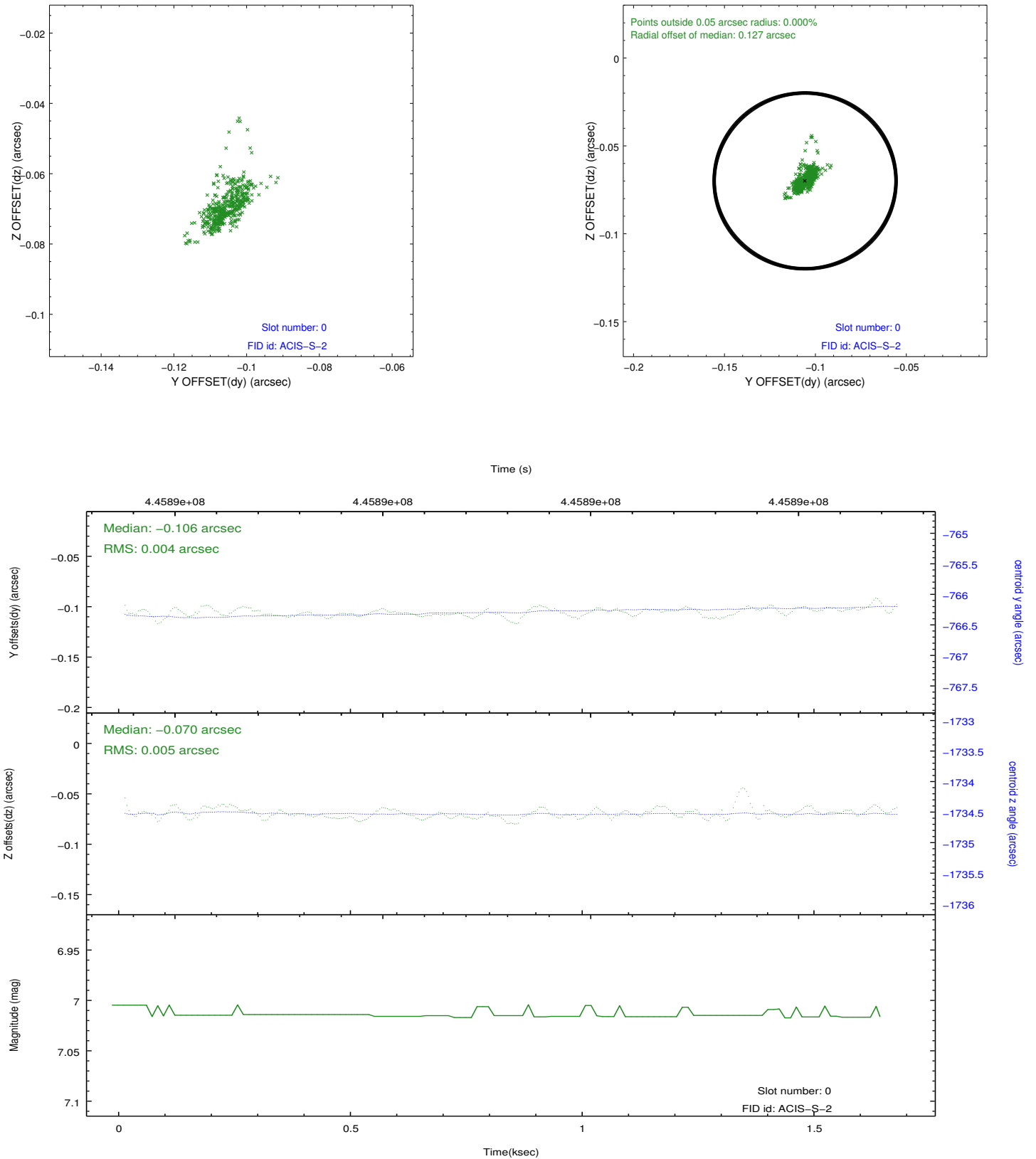


Time (s)

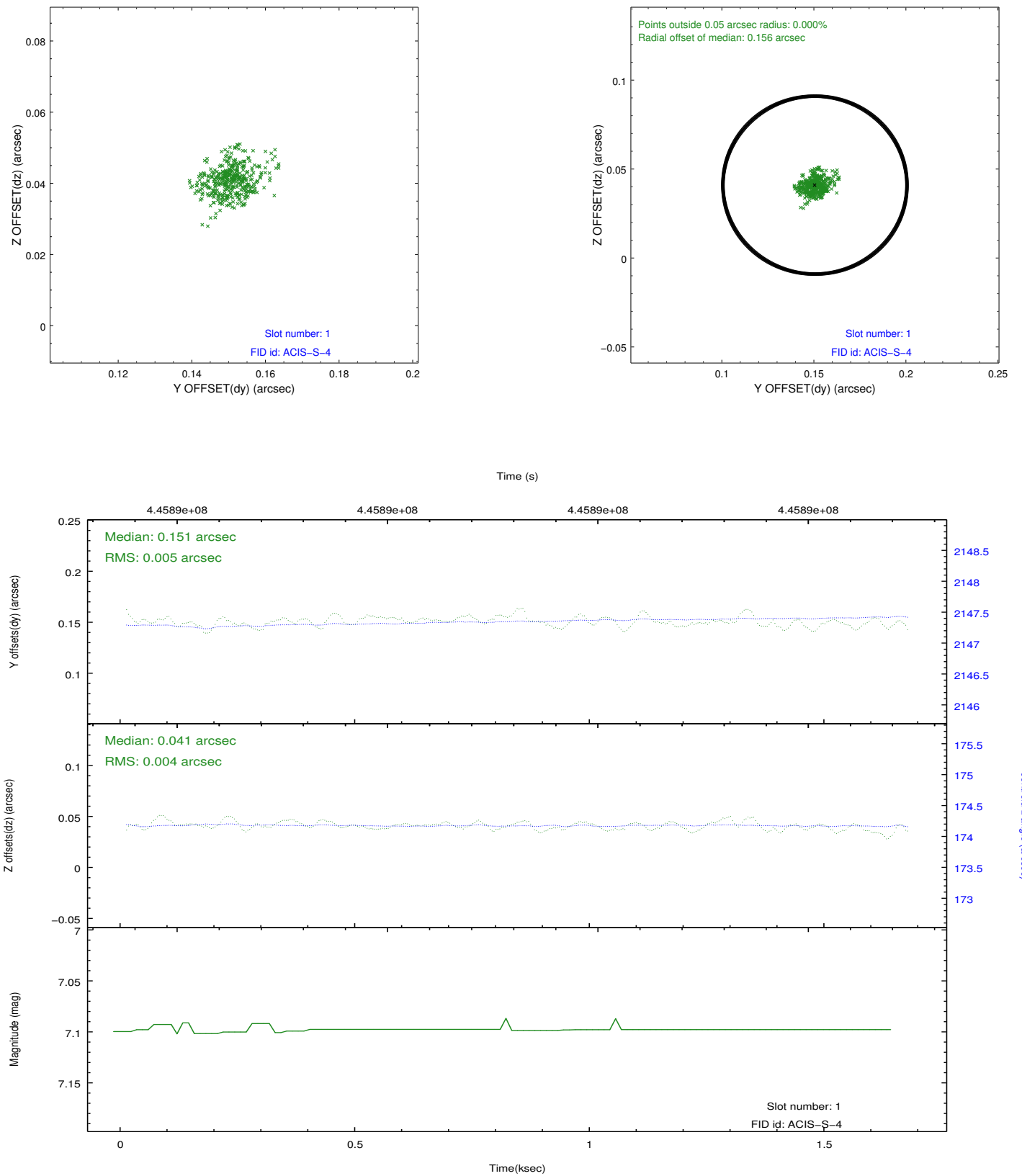


## 2.5 FID Slots

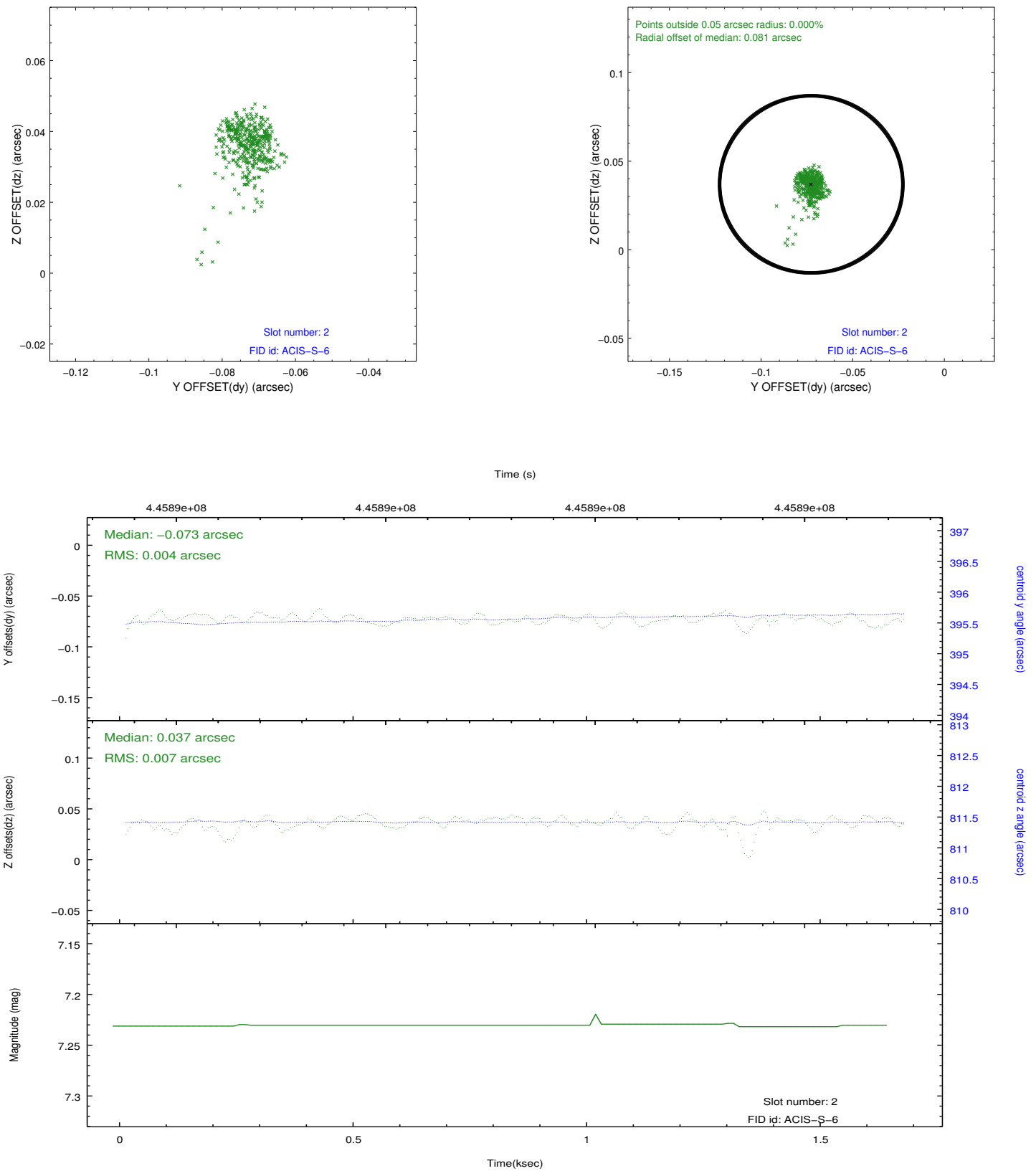
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5779000121355

### A.2 Comments