

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13351 - L2 Version 2  
Chandra X-Ray Center

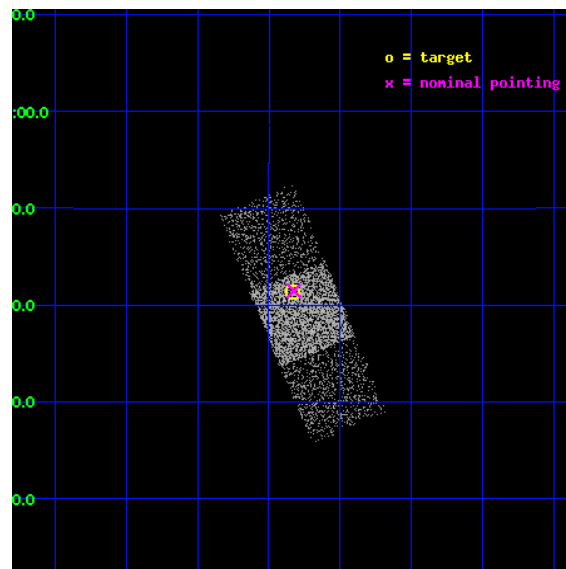
L2 Processing Date : Feb 28 2012

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# 1 Front

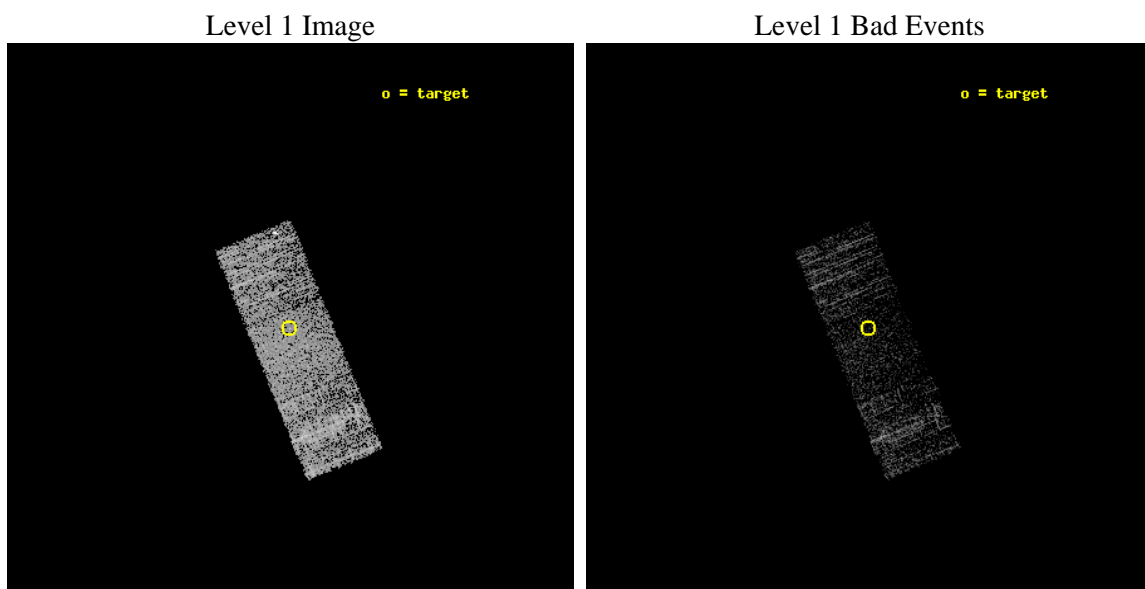
seq_num	702558	Sequence number
obs_id	13351	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J1032+0541	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	158.207917	Observer's specified target RA [deg]
dec_targ	5.688417	Observer's specified target Dec [deg]
ra_nom	158.20609930413	Nominal RA [deg]
dec_nom	5.6912542504083	Nominal Dec [deg]
roll_nom	67.762771372483	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1558.0479705334	Sum of GTIs [s]
livetime	1537.6909267801	Livetime [s]
ontime6	1558.0069305301	Sum of GTIs [s]
ontime7	1558.0479705334	Sum of GTIs [s]
ontime8	1557.9658905268	Sum of GTIs [s]
l2events	6709	Number of level 2 events



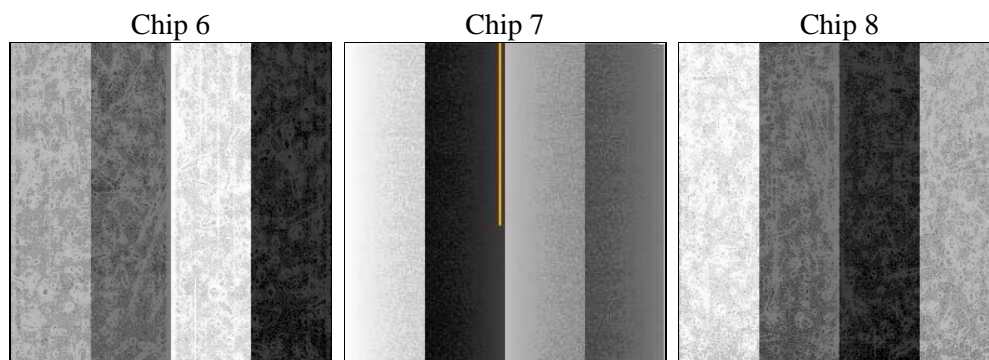
## 2 OBI

### 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	1558.0479705334	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime6	1558.0069305301	Sum of GTIs [s]
date	2012-02-28T15:47:19	Date and time of file creation	ontime7	1558.0479705334	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	1557.9658905268	Sum of GTIs [s]
			l1events	31957	Number of level 1 events

### 2.1.4 Events

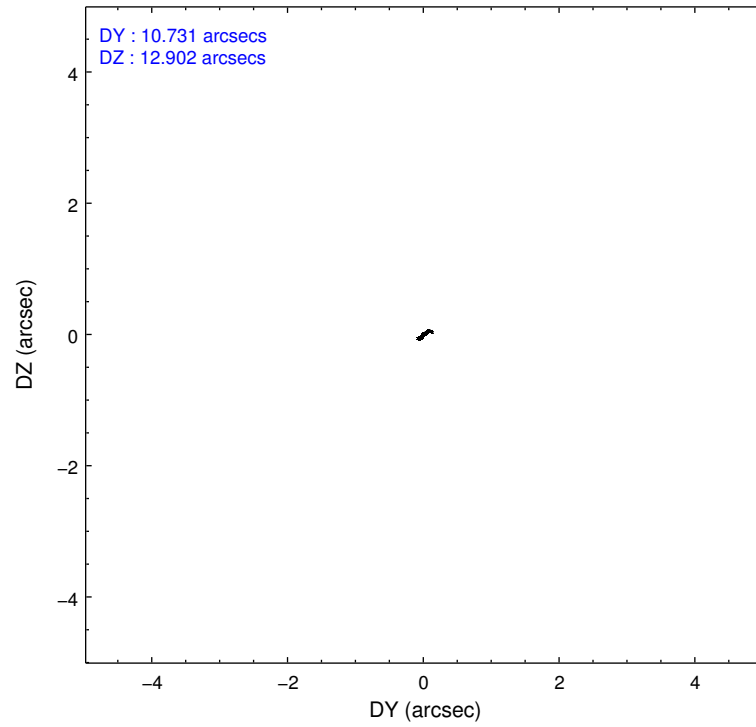
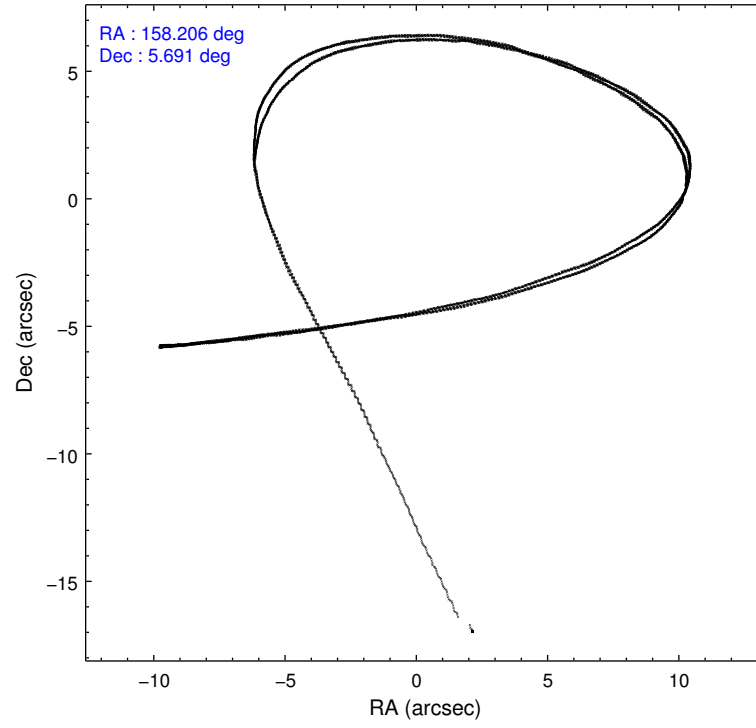
	ccd 6	ccd 7	ccd 8
level 1 events	9925	10112	11920
rejected events	8420	5153	8670
rejected %	84%	50%	72%

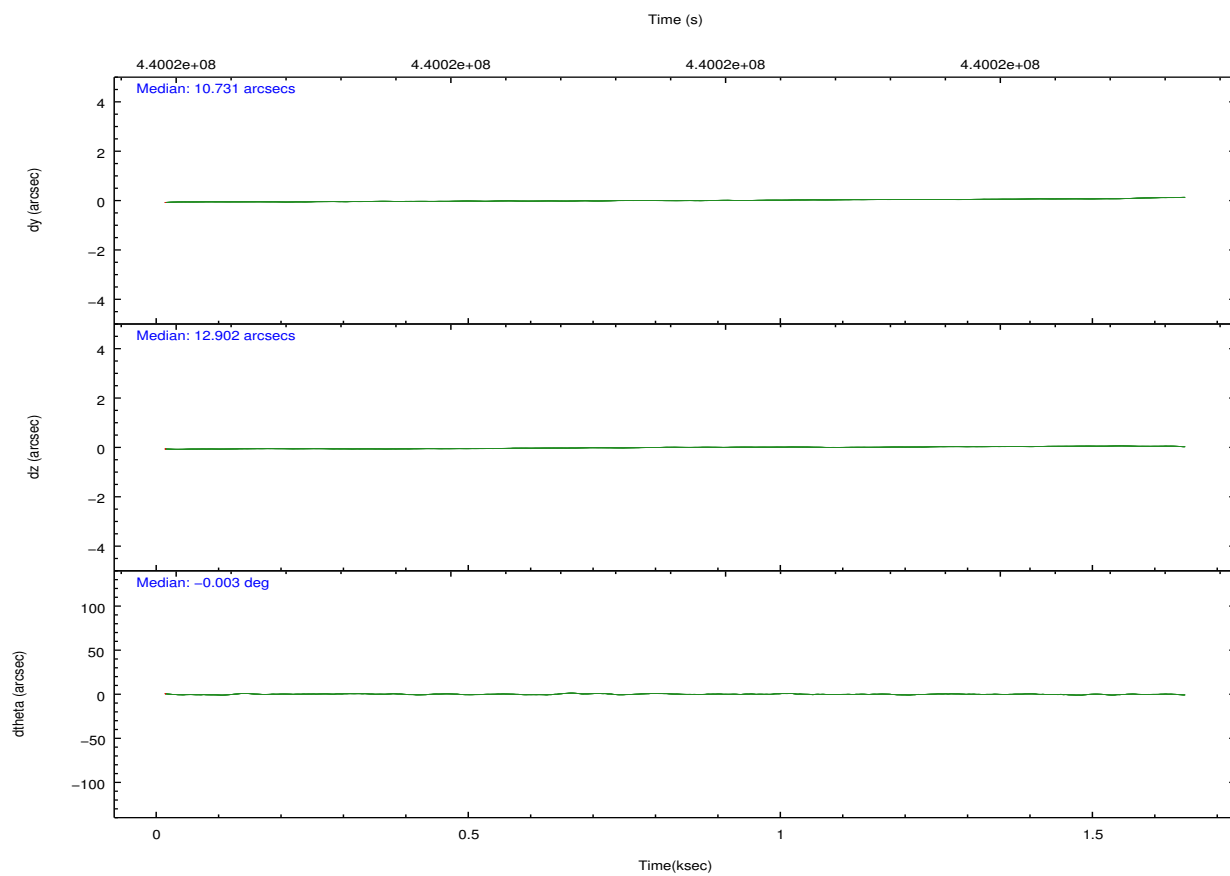
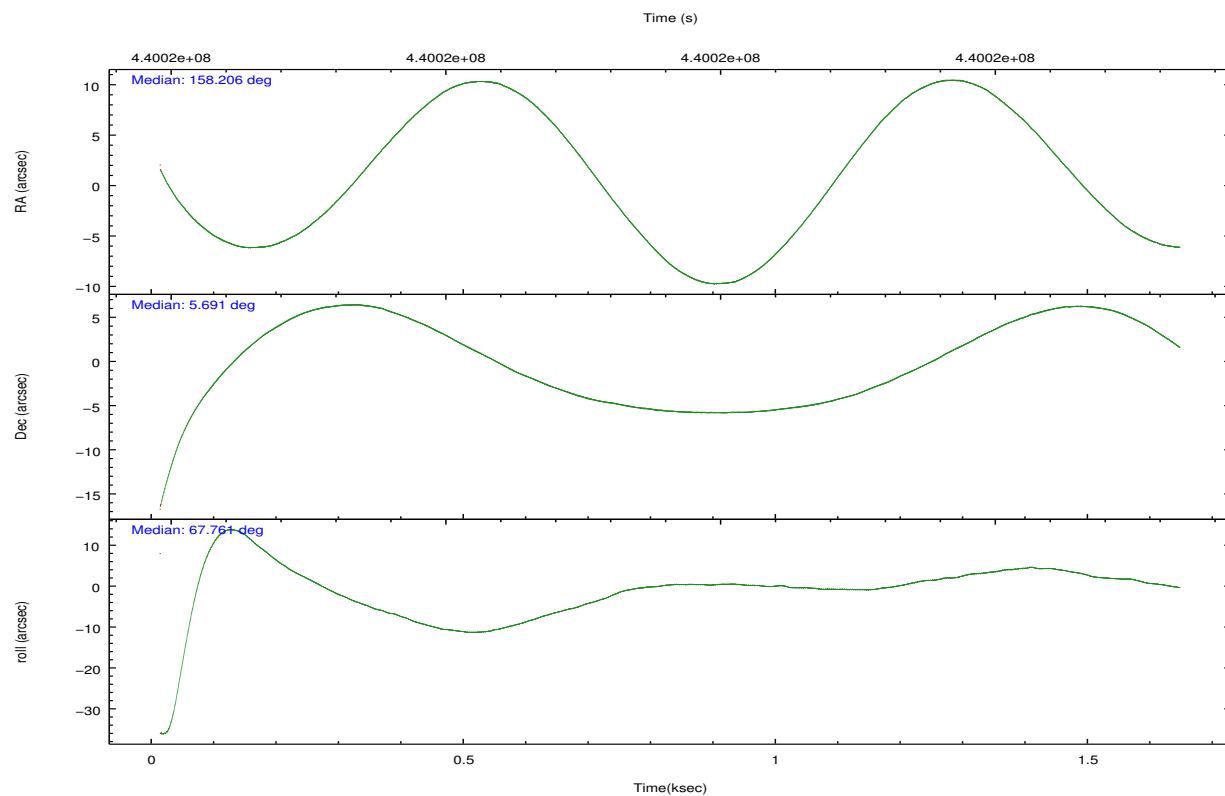
	ccd 6	ccd 7	ccd 8
grade 0 events	438	497	844
	4%	4%	7%
grade 1 events	7	16	8
	0%	0%	0%
grade 2 events	643	1073	807
	6%	10%	6%
grade 3 events	106	443	283
	1%	4%	2%
grade 4 events	98	425	285
	0%	4%	2%
grade 5 events	386	1065	579
	3%	10%	4%
grade 6 events	227	2543	1048
	2%	25%	8%
grade 7 events	8020	4050	8066
	80%	40%	67%

## 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	158.210240	158.2060993041349	Subarray requested	NONE	NONE
[deg] Pointing Dec	5.663845	5.691254250408253	Alternating exposures requested	N	N
[deg] Pointing Roll	67.606116	67.76277137248323	[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)	440020725.184000	440019181.15372			
Observation start date	2011-12-11T19:57:39	2011-12-11T19:33:01			
[s] Observation end time (MET)	440022225.184000	440022832.20392			
Observation end date	2011-12-11T20:22:39	2011-12-11T20:33:52			
Read mode	TIMED	TIMED			

## 2.3 Aspect





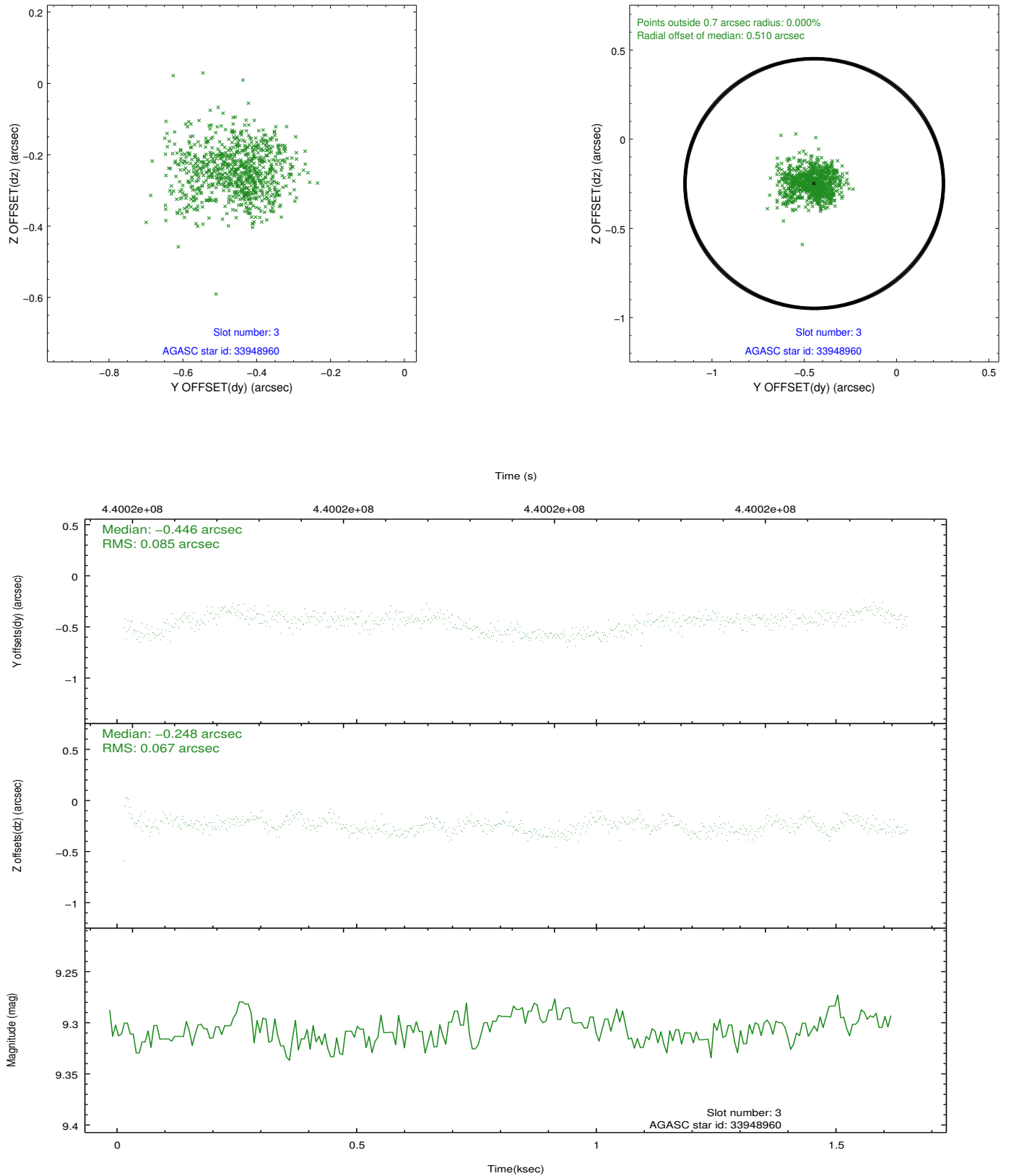
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.98	399	-0.046	-0.057	0.006	0.010	0.000000	0.000000	-763.67	-1734.25
1	FID	ACIS-S-4	7.07	399	0.192	0.038	0.006	0.010	0.000000	0.000000	2148.04	170.08
2	FID	ACIS-S-5	7.10	399	-0.177	0.028	0.006	0.010	0.000000	0.000000	-1811.42	168.41
3	GUIDE	33948960	9.31	798	-0.446	-0.248	0.117	0.189	158.045331	5.204179	-1756.75	-84.50
4	GUIDE	33949392	9.30	798	-0.041	0.104	0.124	0.203	158.830372	5.806922	1319.46	-1857.31
5	GUIDE	33949536	9.20	798	0.160	0.361	0.130	0.201	158.026617	5.246866	-1637.93	34.34
6	GUIDE	33951168	8.21	798	0.278	-0.231	0.104	0.172	157.753293	5.341322	-1700.11	1071.97
7	GUIDE	33959920	10.28	797	0.040	-0.021	0.261	0.398	158.661237	6.116313	2118.02	-870.01

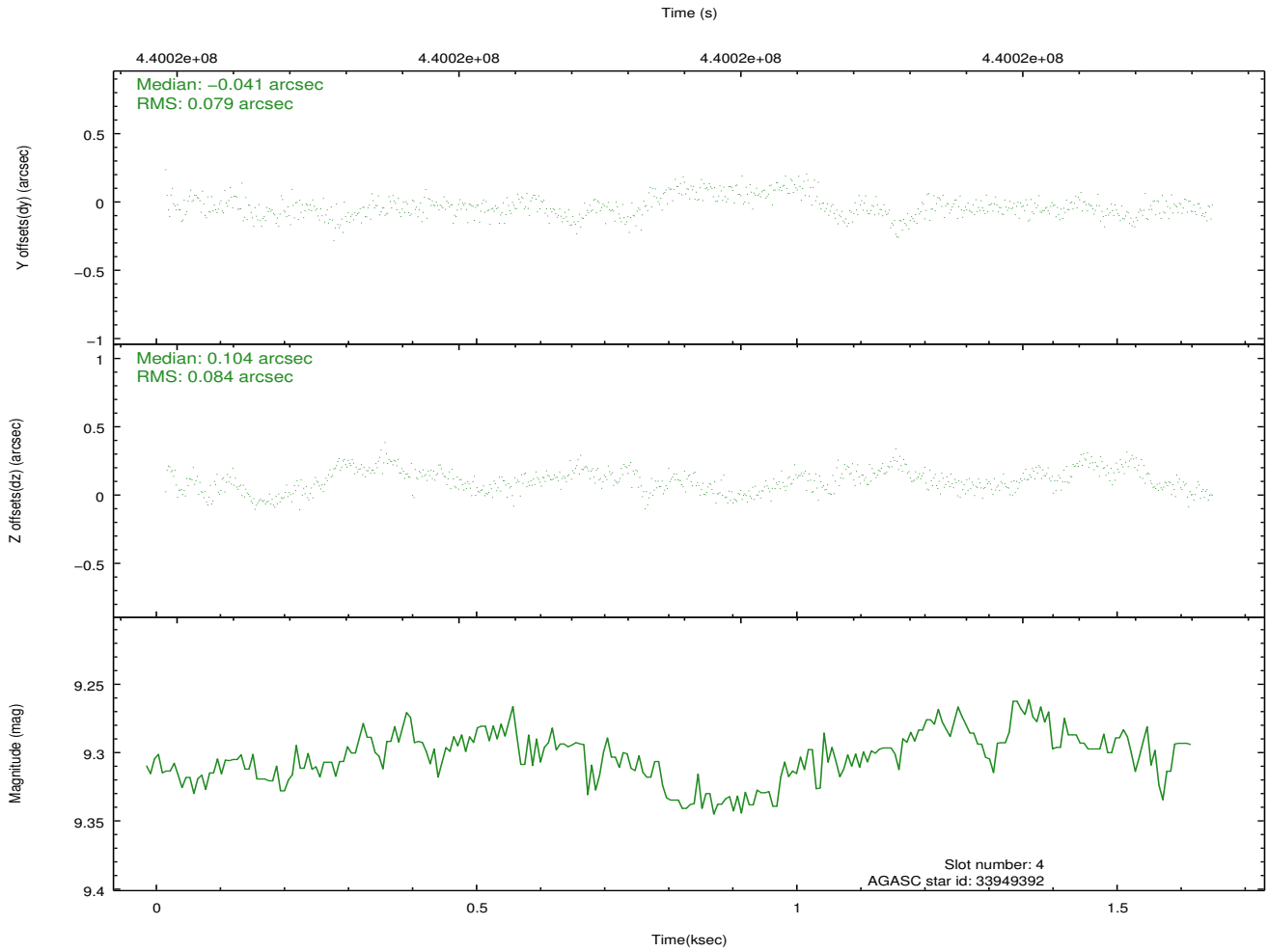
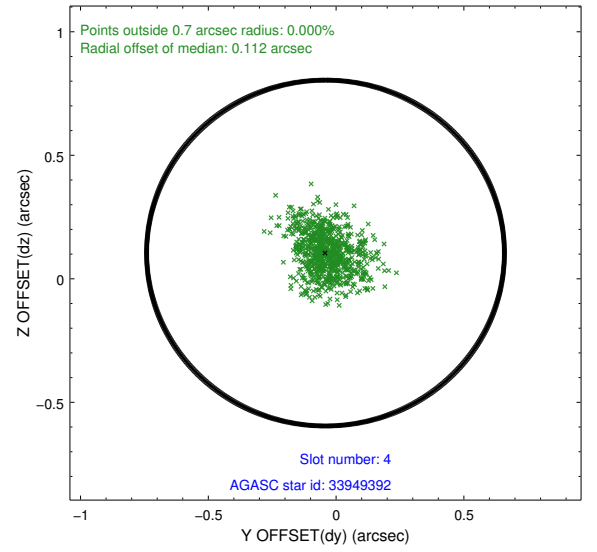
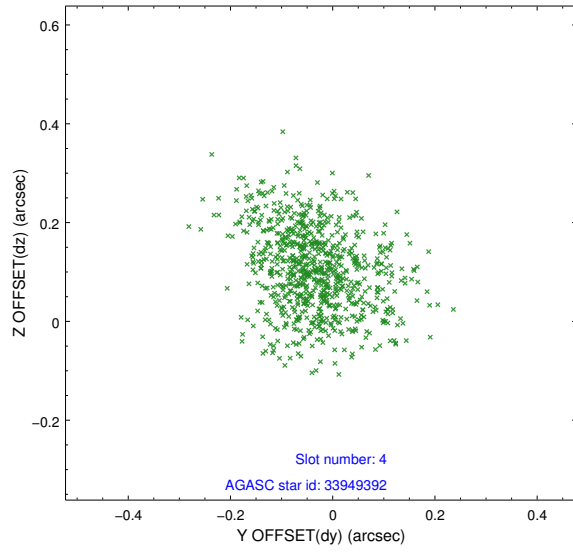


## 2.4 Star Slots

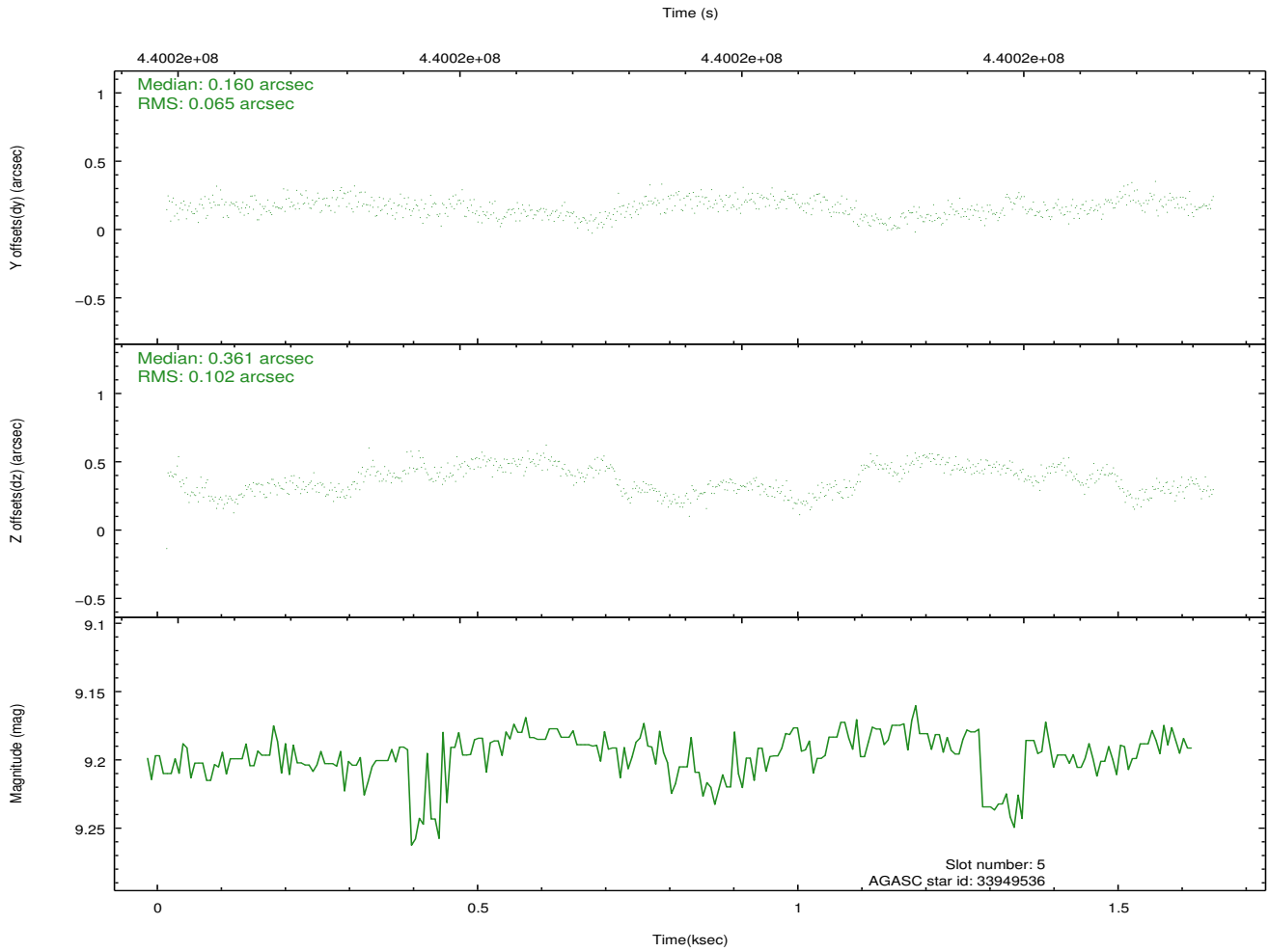
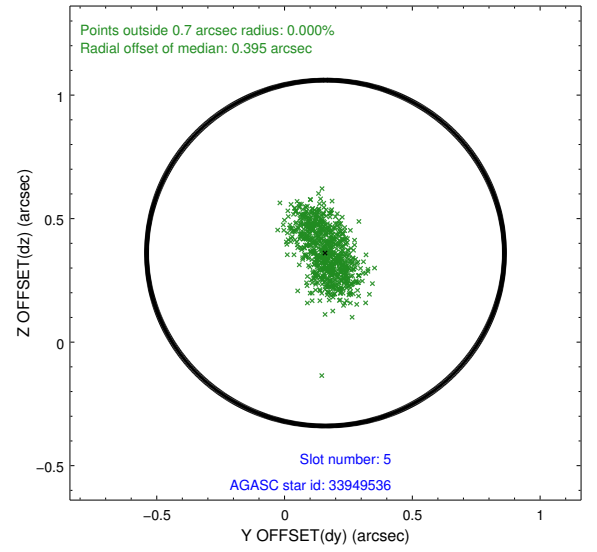
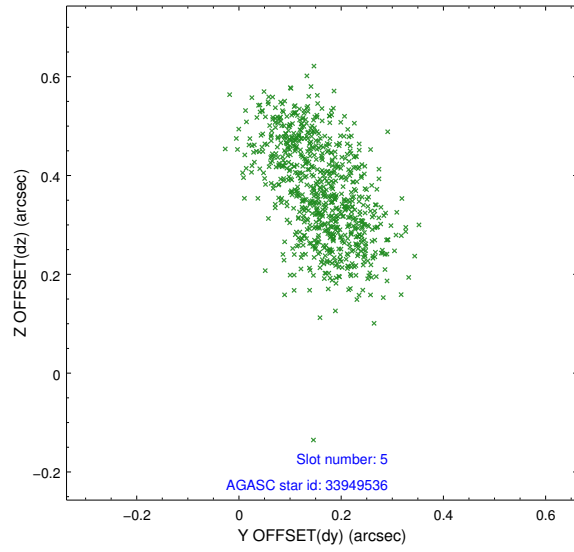
### 2.4.1 Slot 3



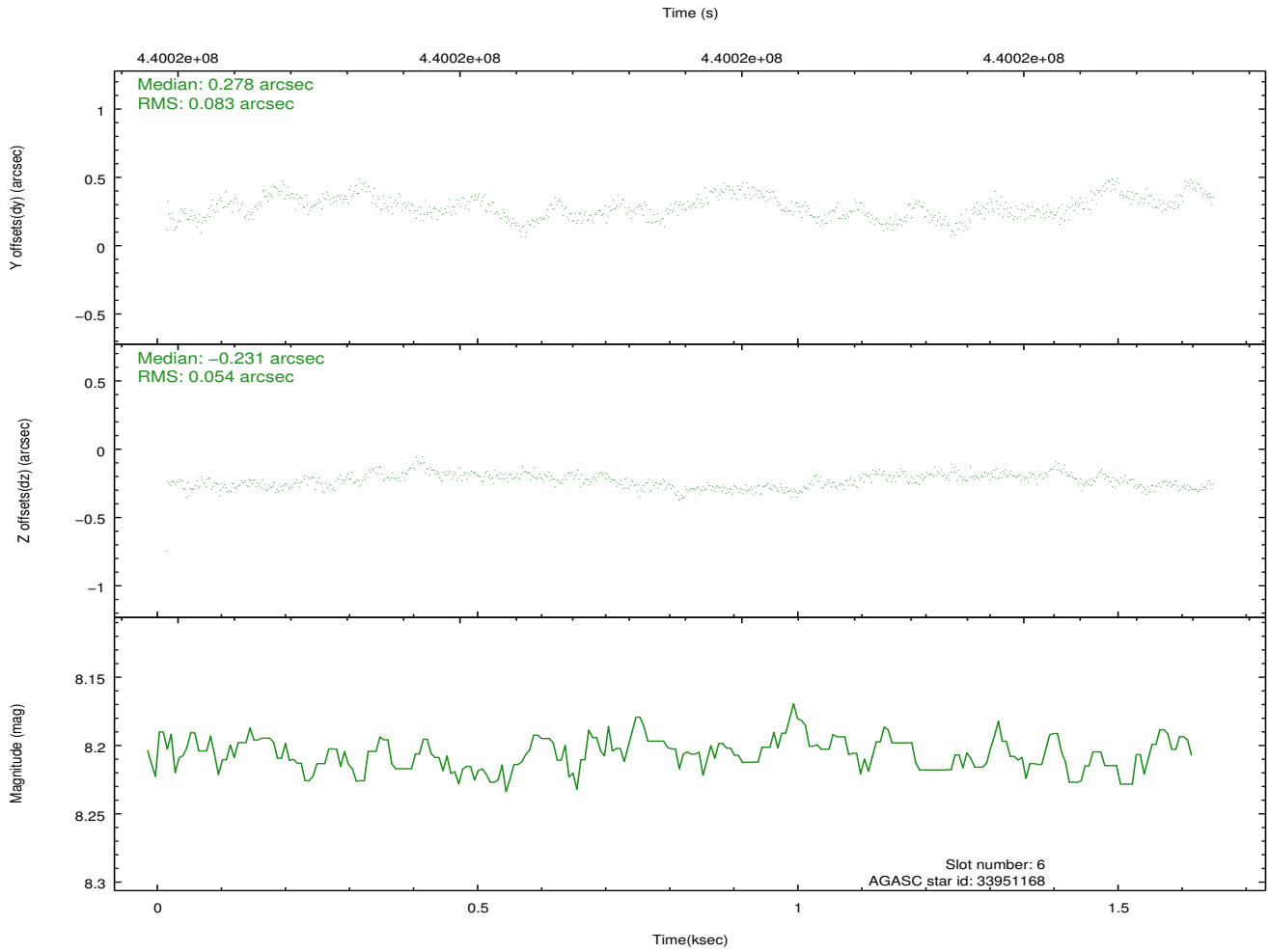
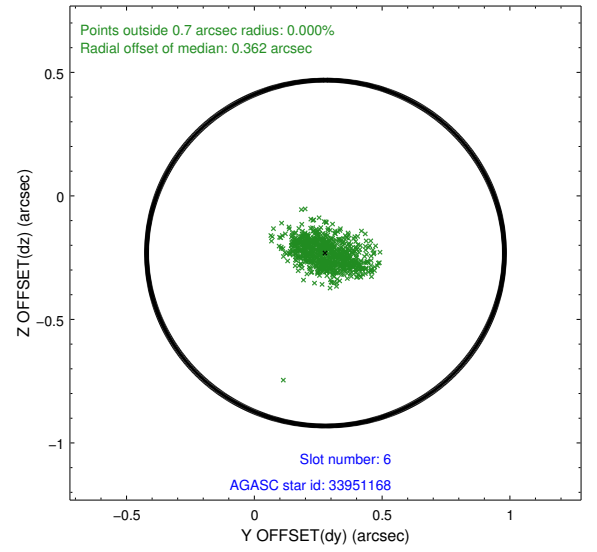
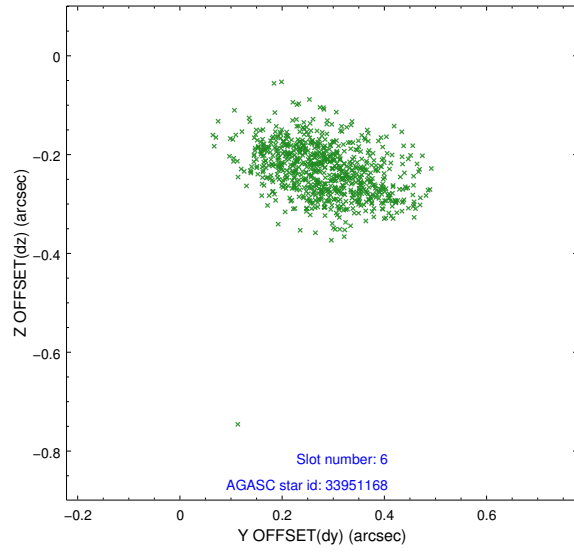
## 2.4.2 Slot 4



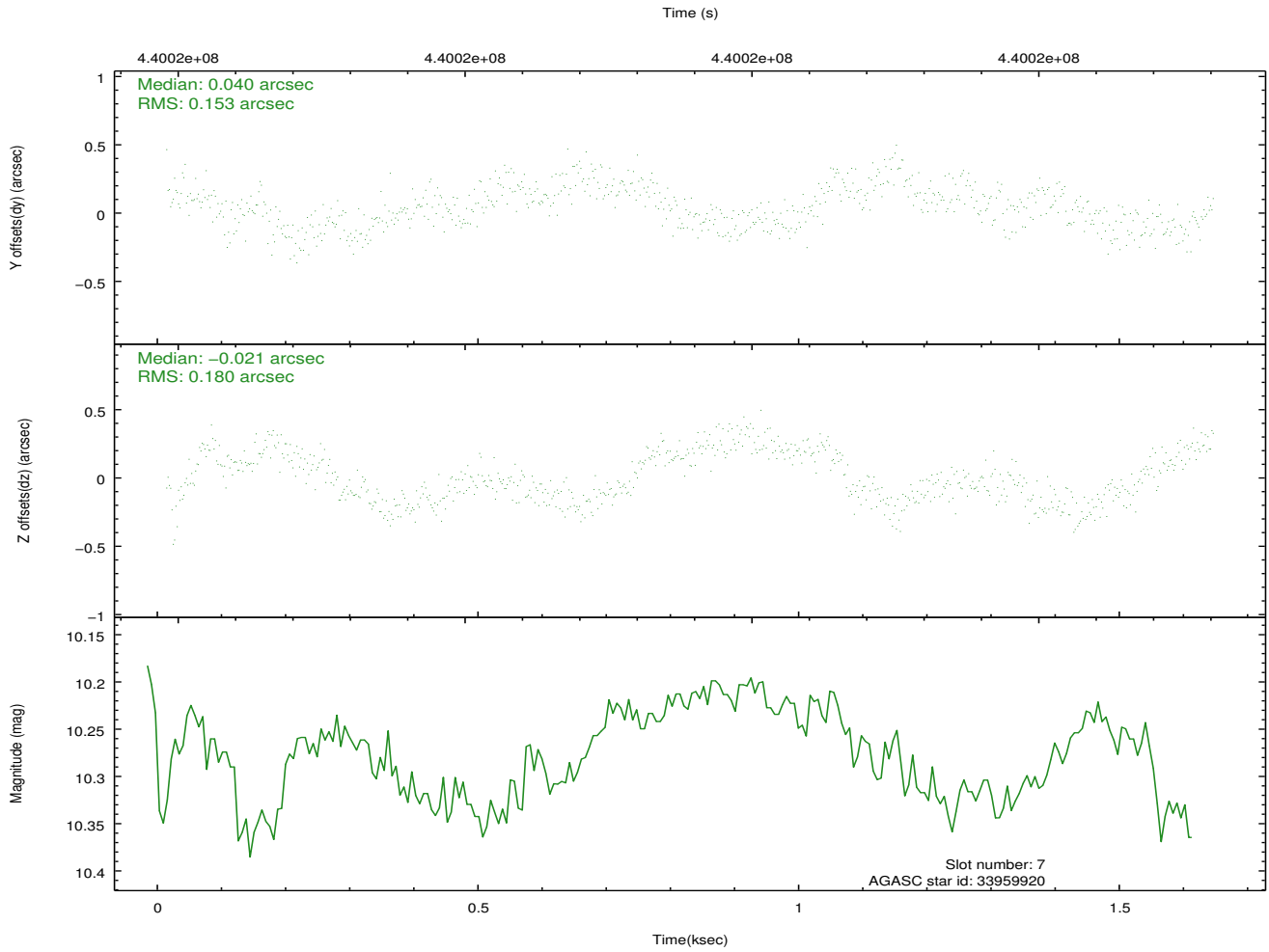
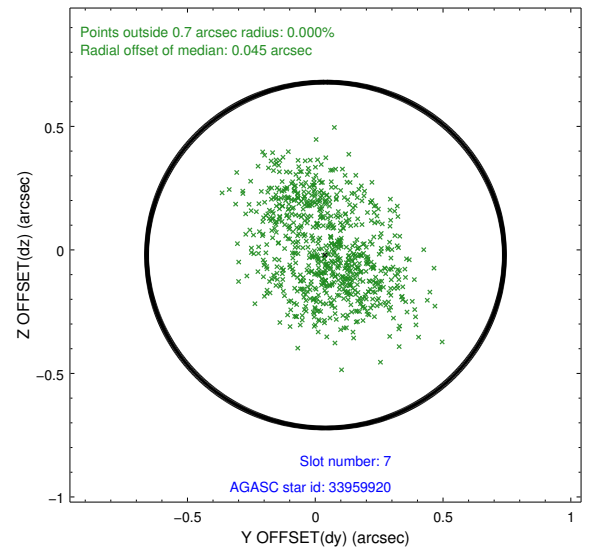
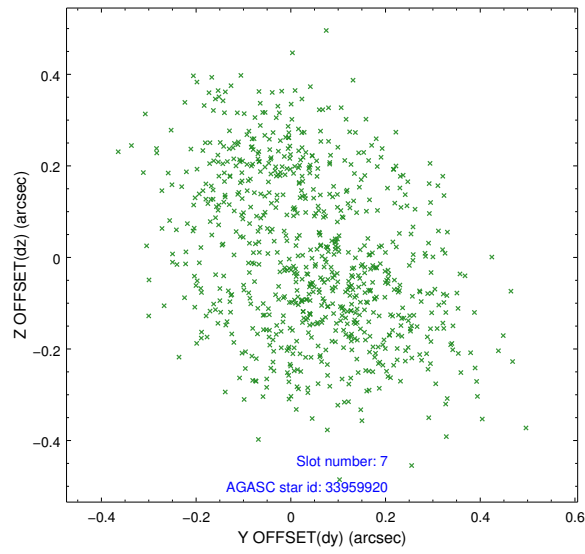
### 2.4.3 Slot 5



## 2.4.4 Slot 6

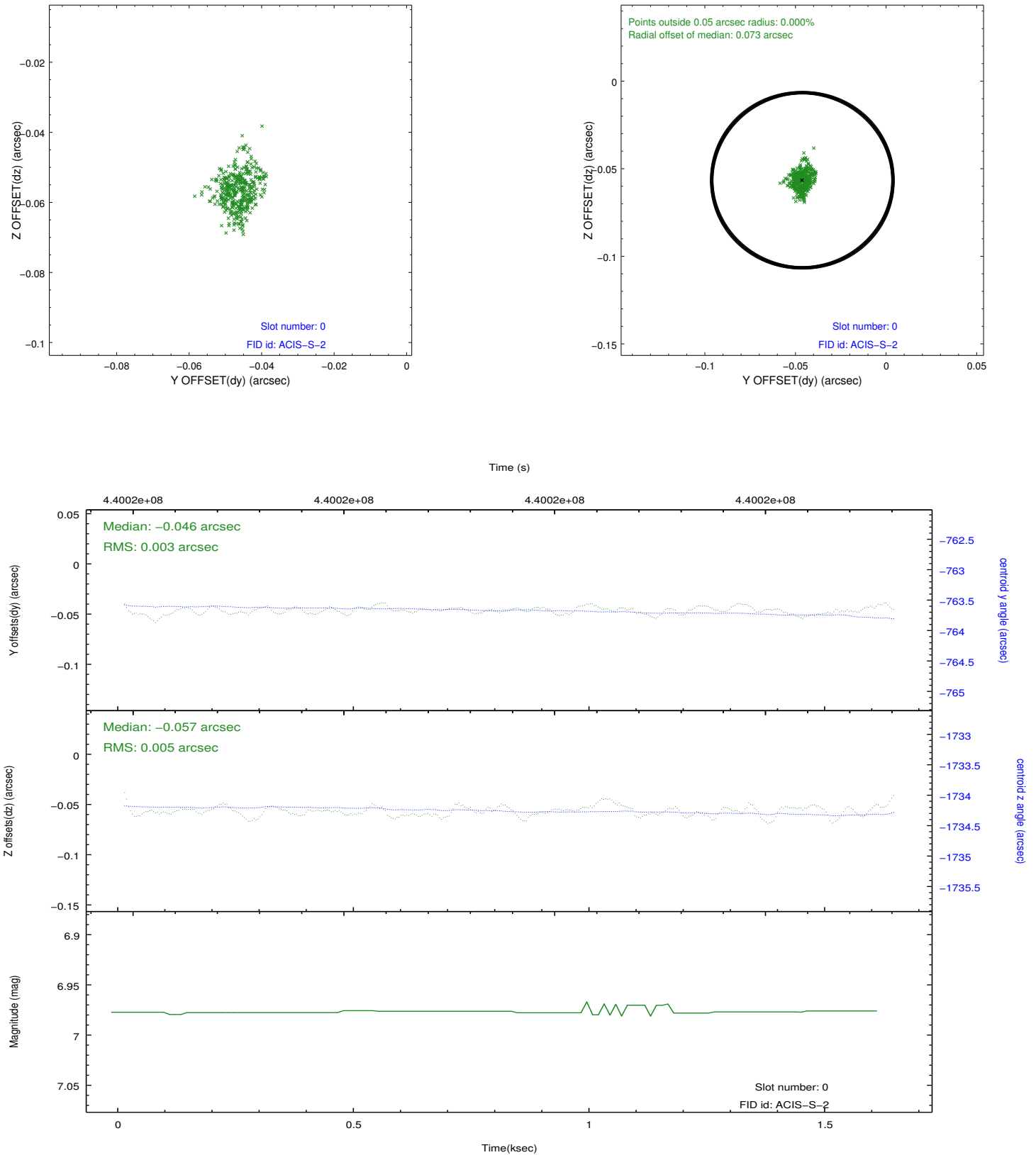


## 2.4.5 Slot 7

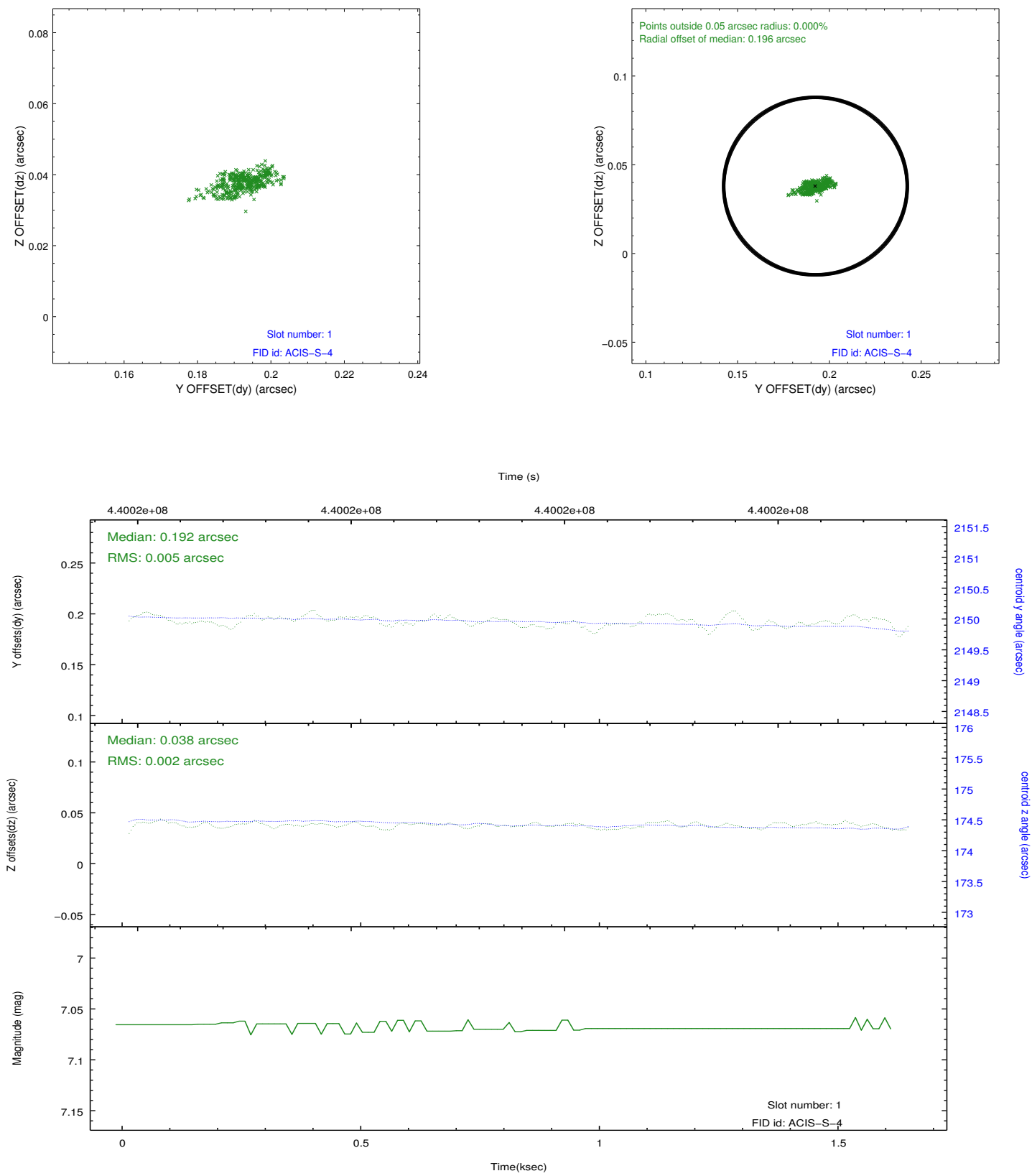


## 2.5 FID Slots

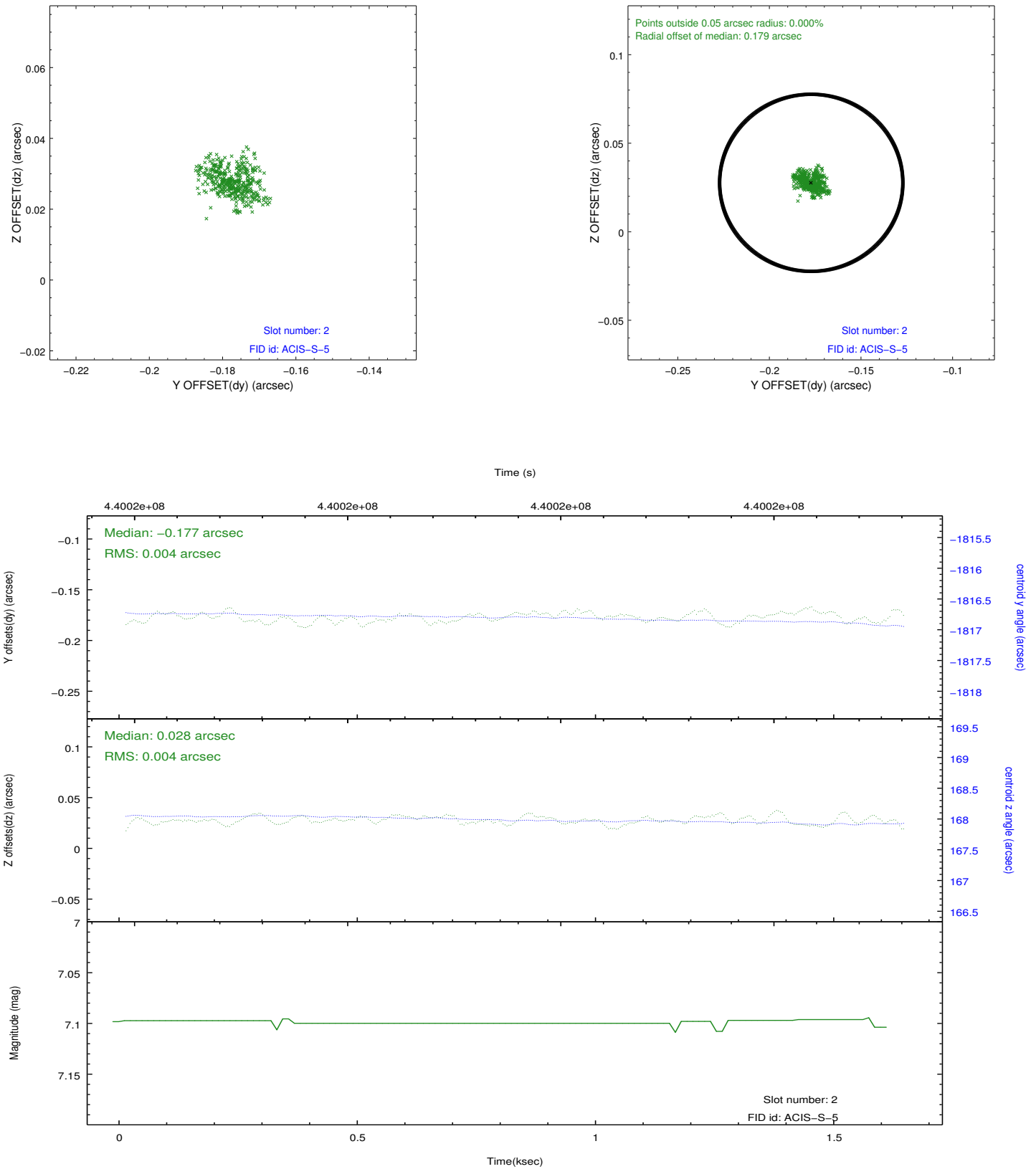
### 2.5.1 Slot 0



2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5580479706526

### A.2 Comments