

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11444 - L2 Version 2  
Chandra X-Ray Center

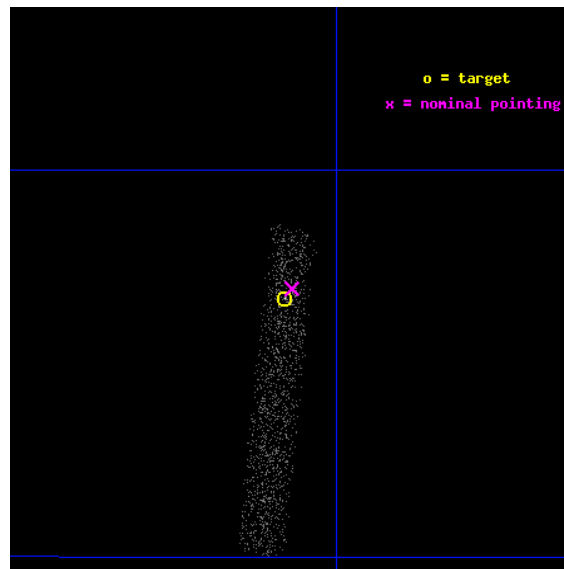
L2 Processing Date : Jun 17 2012

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# 1 Front

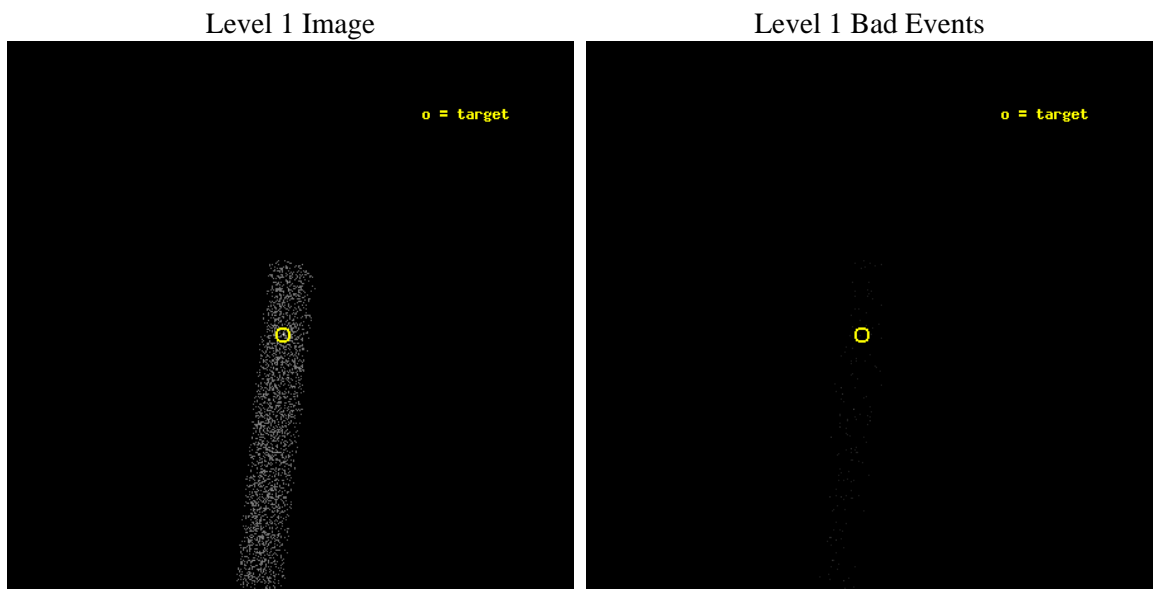
seq_num	702030	Sequence number
obs_id	11444	Observation id
title	X-ray Signatures of Accretion in AGNs with Intermediate-mass Black Holes	Proposal title
observer	Dr. Luis Ho	Principal investigator
object	SDSS J080907.58+441641.4	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	122.281667	Observer's specified target RA [deg]
dec_targ	44.278167	Observer's specified target Dec [deg]
ra_nom	122.27746833909	Nominal RA [deg]
dec_nom	44.2821326247	Nominal Dec [deg]
roll_nom	95.839181780286	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2167.9998707771	Sum of GTIs [s]
livetime	1966.2614463787	Livetime [s]
ontime7	2167.9998707771	Sum of GTIs [s]
l2events	1646	Number of level 2 events



## 2 OBI

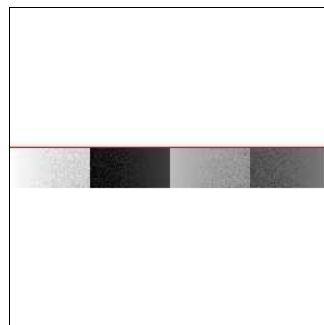
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2167.9998707771	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime7	2167.9998707771	Sum of GTIs [s]
date	2012-06-17T05:55:26	Date and time of file creation	l1events	4802	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

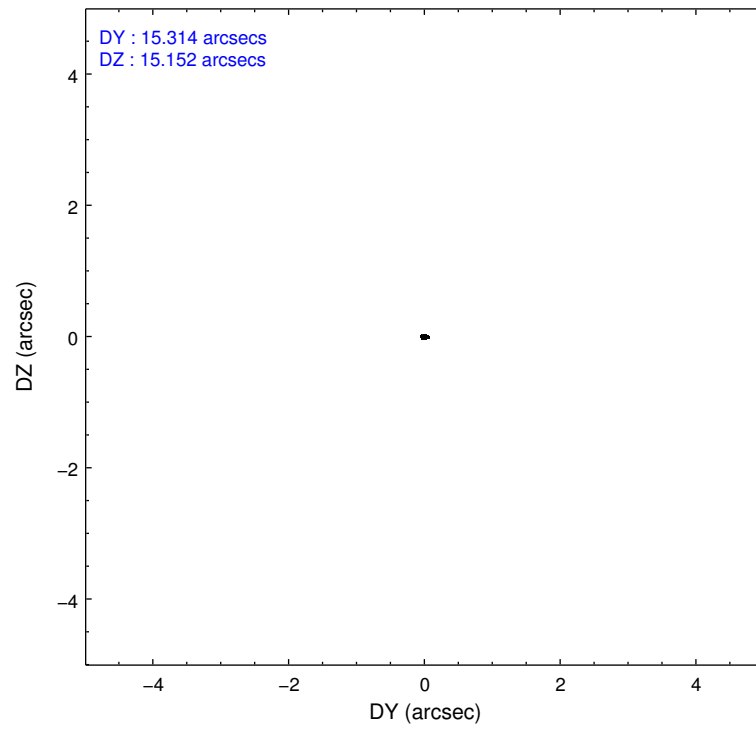
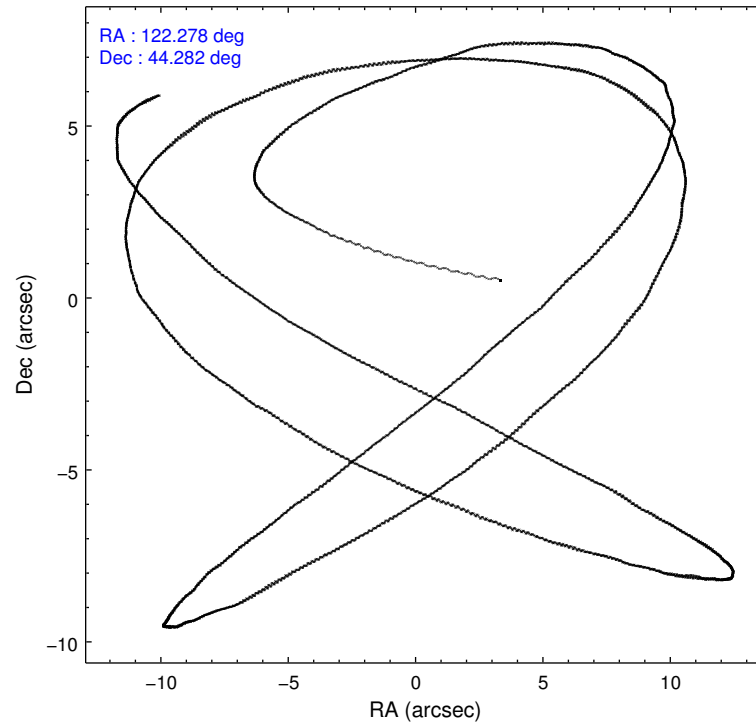
	<b>ccd 7</b>
level 1 events	4802
rejected events	3064
rejected %	63%

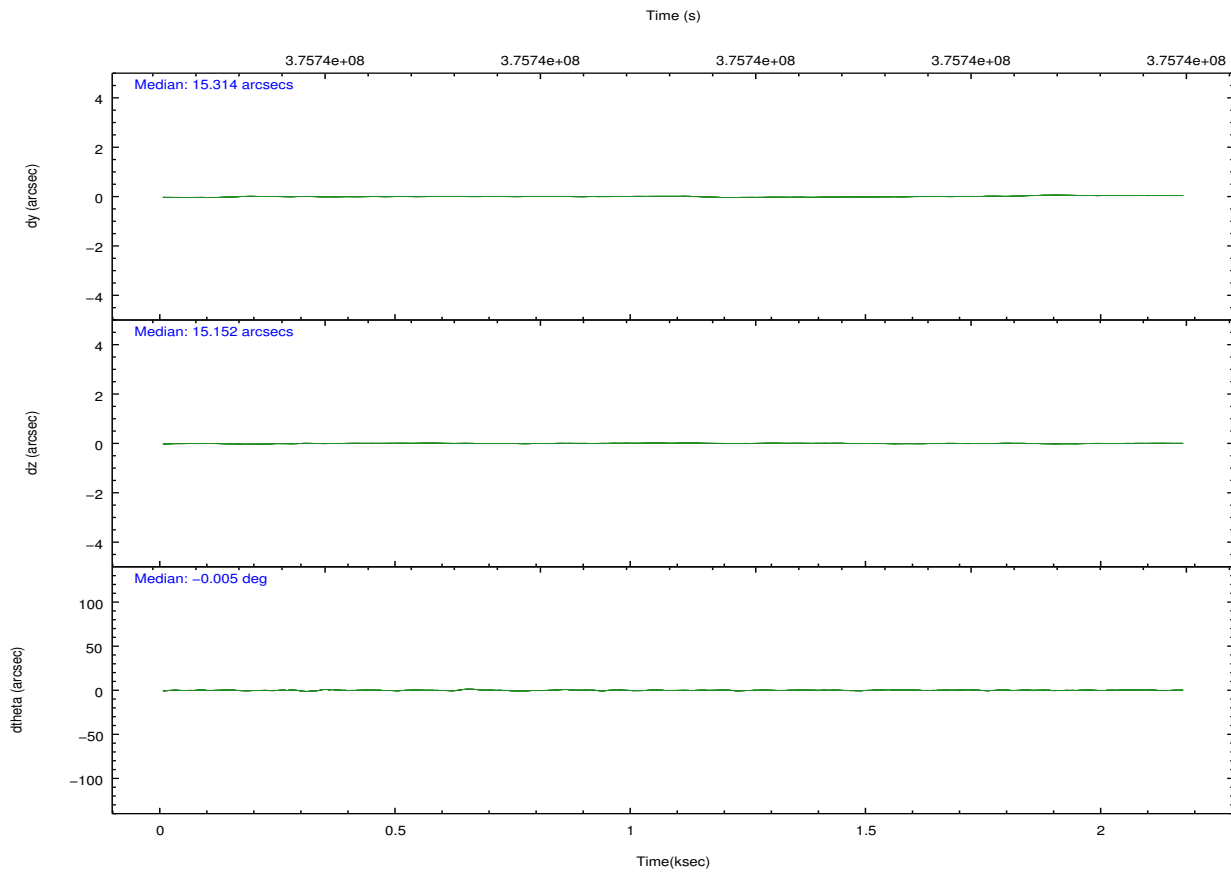
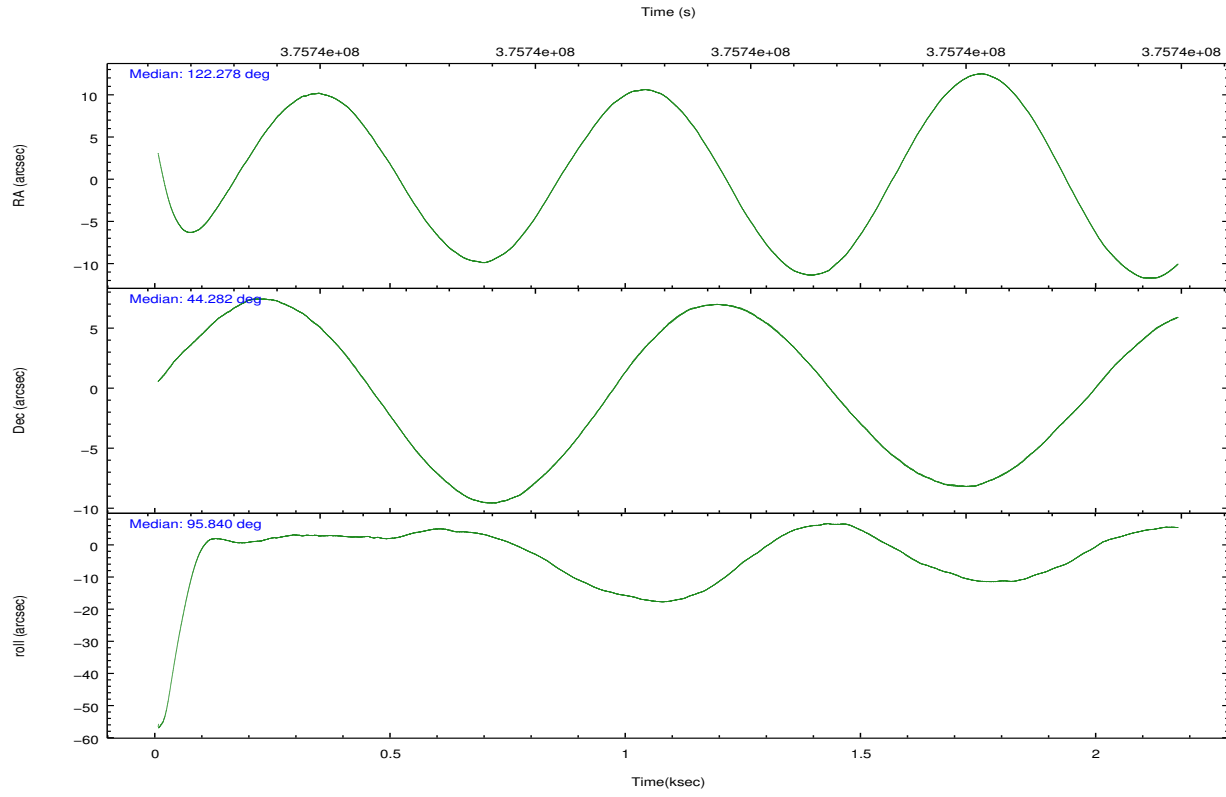
	<b>ccd 7</b>
grade 0 events	295
	6%
grade 1 events	7
	0%
grade 2 events	499
	10%
grade 3 events	342
	7%
grade 4 events	335
	6%
grade 5 events	416
	8%
grade 6 events	1080
	22%
grade 7 events	1828
	38%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	122.300316	122.2774683390873	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	44.260068	44.2821326246996	Subarray start row	449	449
[deg] Pointing Roll	95.666954	95.83918178028603	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	375742895.184000	375741623.17526			
Observation start date	2009-11-27T21:00:29	2009-11-27T20:40:23			
[s] Observation end time (MET)	375744895.184000	375745495.62545			
Observation end date	2009-11-27T21:33:49	2009-11-27T21:44:55			
Read mode	TIMED	TIMED			

## 2.3 Aspect





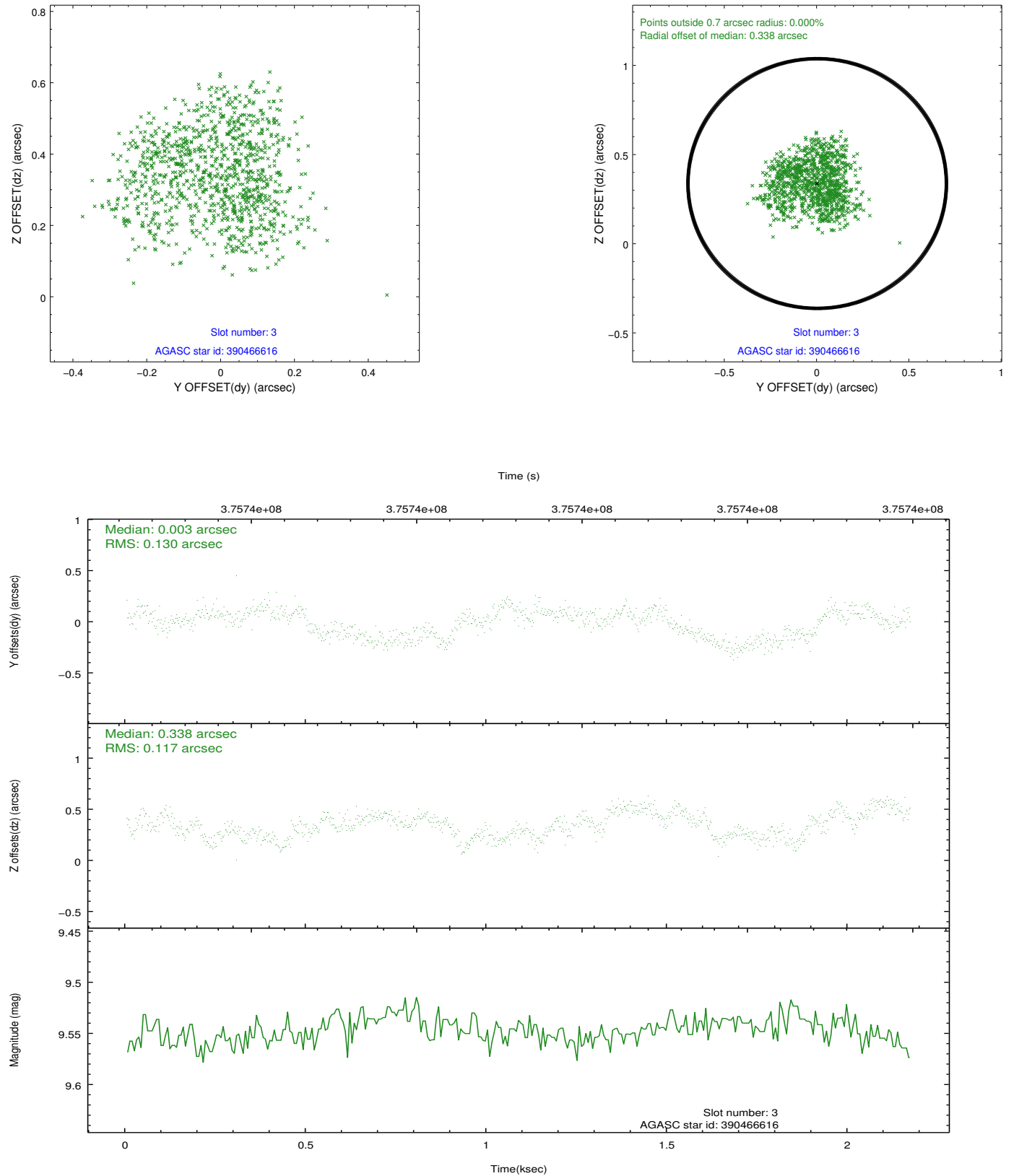
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	529	-0.104	-0.031	0.006	0.010	0.000000	0.000000	-768.38	-1736.57
1	FID	ACIS-S-4	7.00	529	0.215	0.059	0.005	0.009	0.000000	0.000000	2143.82	168.91
2	FID	ACIS-S-5	7.03	529	-0.141	-0.019	0.006	0.011	0.000000	0.000000	-1817.42	165.89
3	GUIDE	390466616	9.55	1057	0.003	0.338	0.194	0.280	122.716471	44.653838	1307.84	-1200.39
4	GUIDE	390469752	9.67	1057	-0.027	-0.288	0.176	0.276	121.800736	44.324076	360.80	1256.03
5	GUIDE	390474048	9.57	1058	-0.141	0.016	0.148	0.250	122.398955	44.471557	732.43	-325.99
6	GUIDE	390474408	8.39	1059	-0.079	-0.122	0.104	0.186	122.220640	44.039805	-768.41	283.25
7	GUIDE	390474776	9.88	1057	0.277	0.049	0.146	0.235	121.930954	43.622522	-2187.77	1184.31

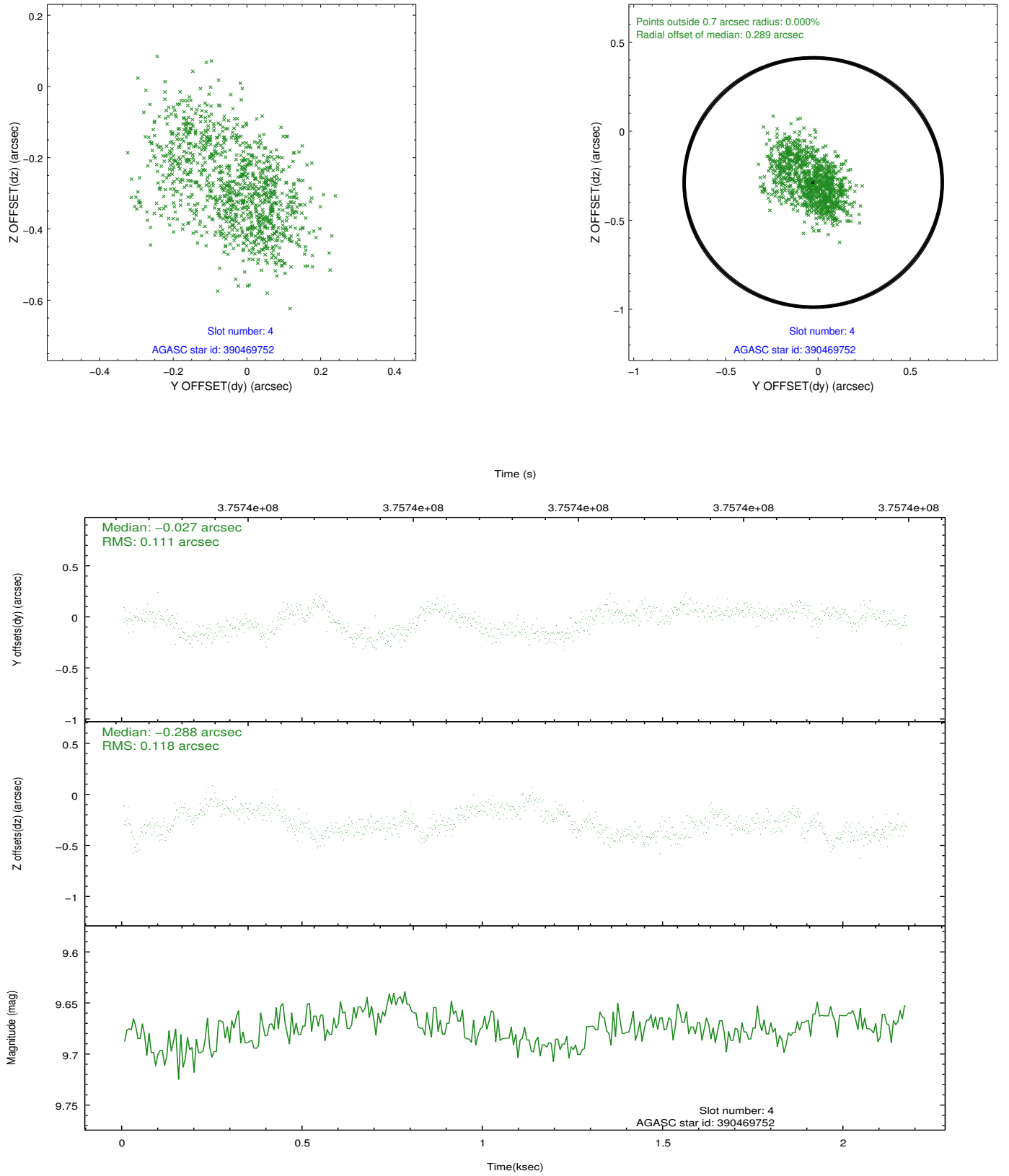


## 2.4 Star Slots

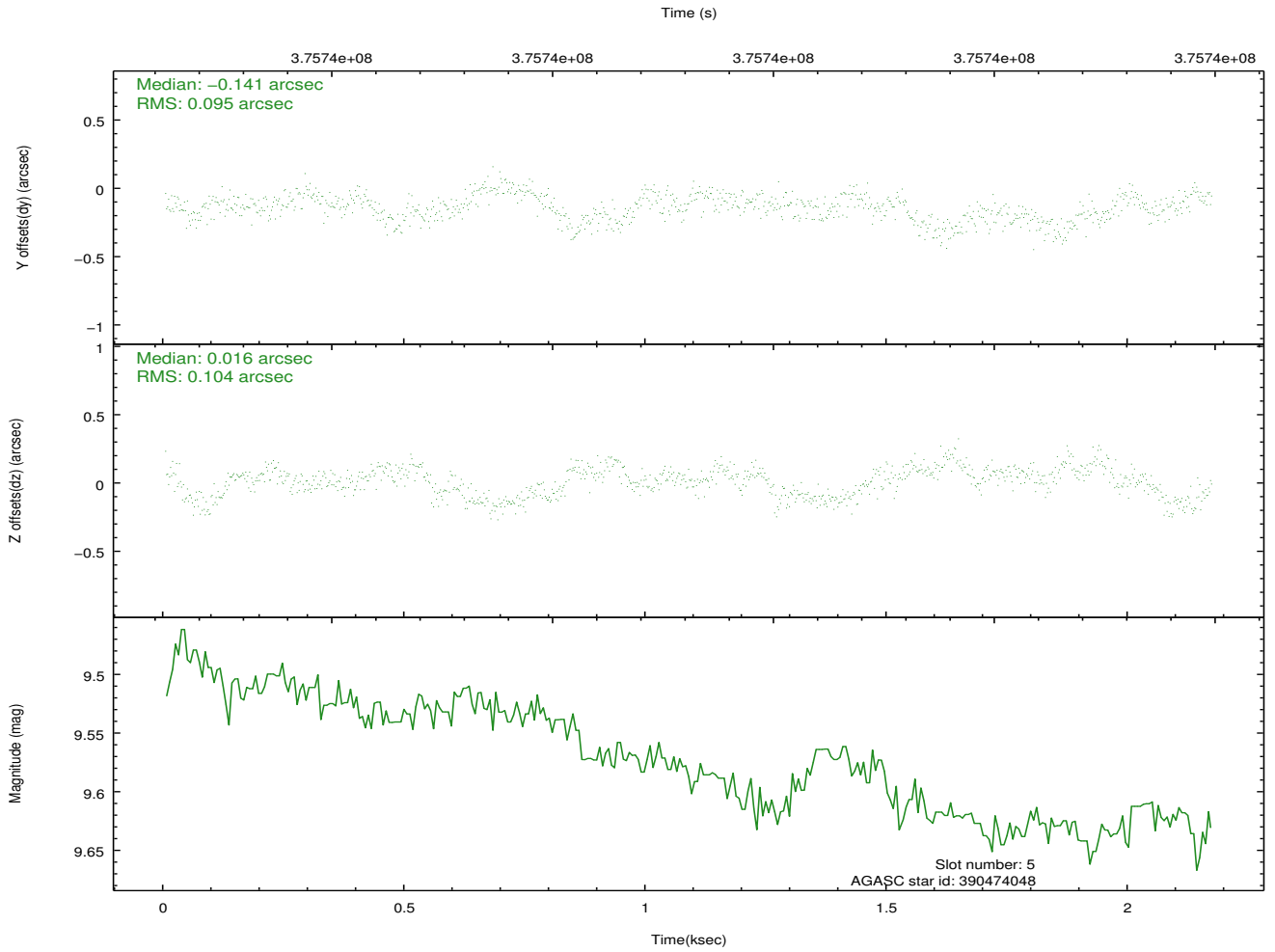
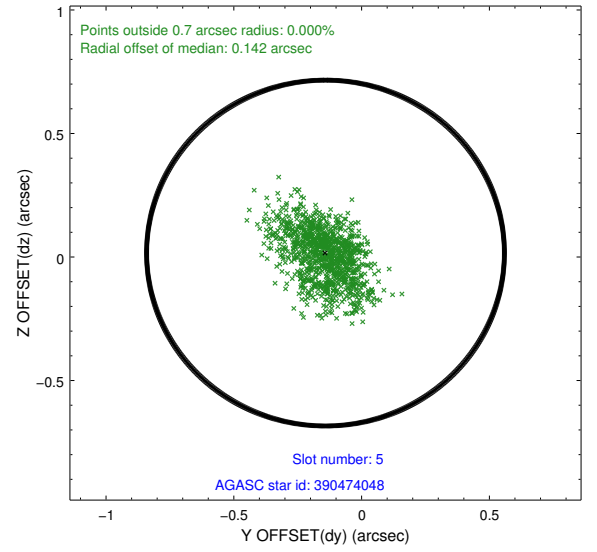
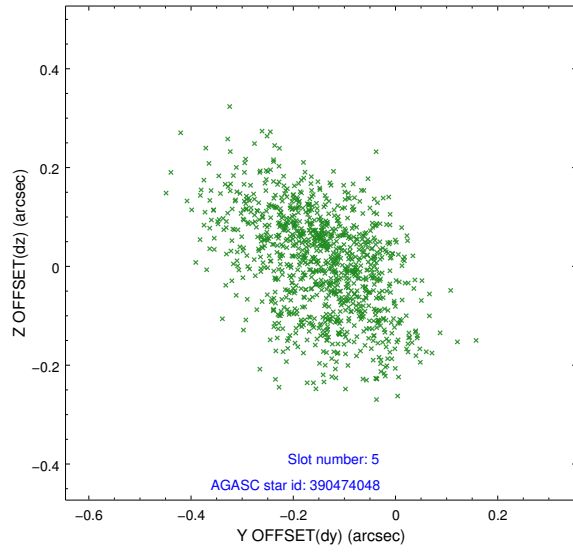
### 2.4.1 Slot 3



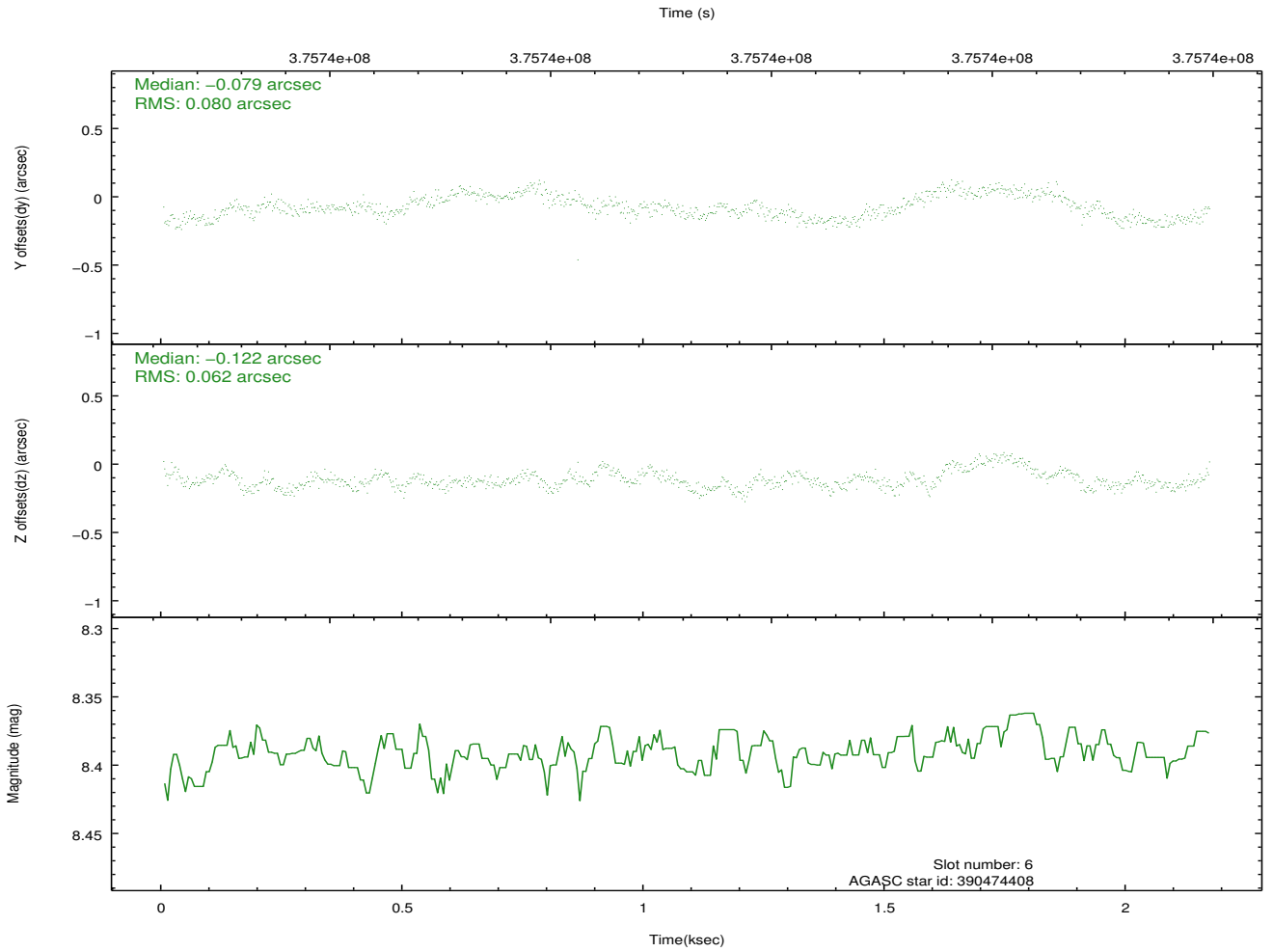
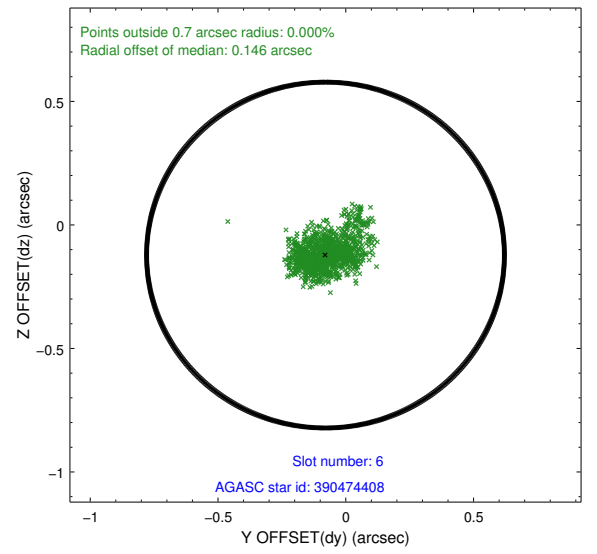
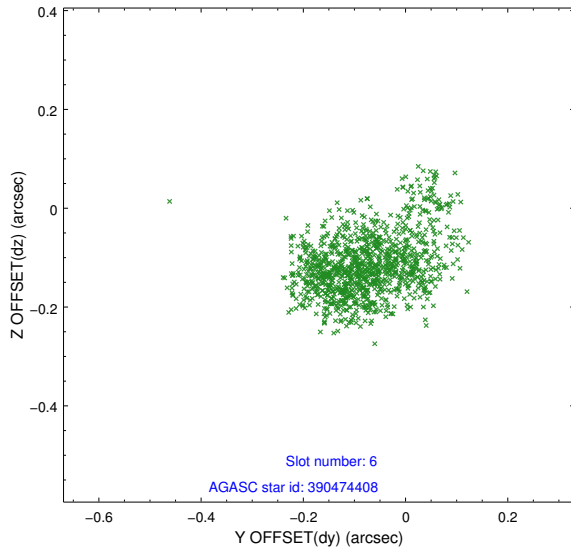
## 2.4.2 Slot 4



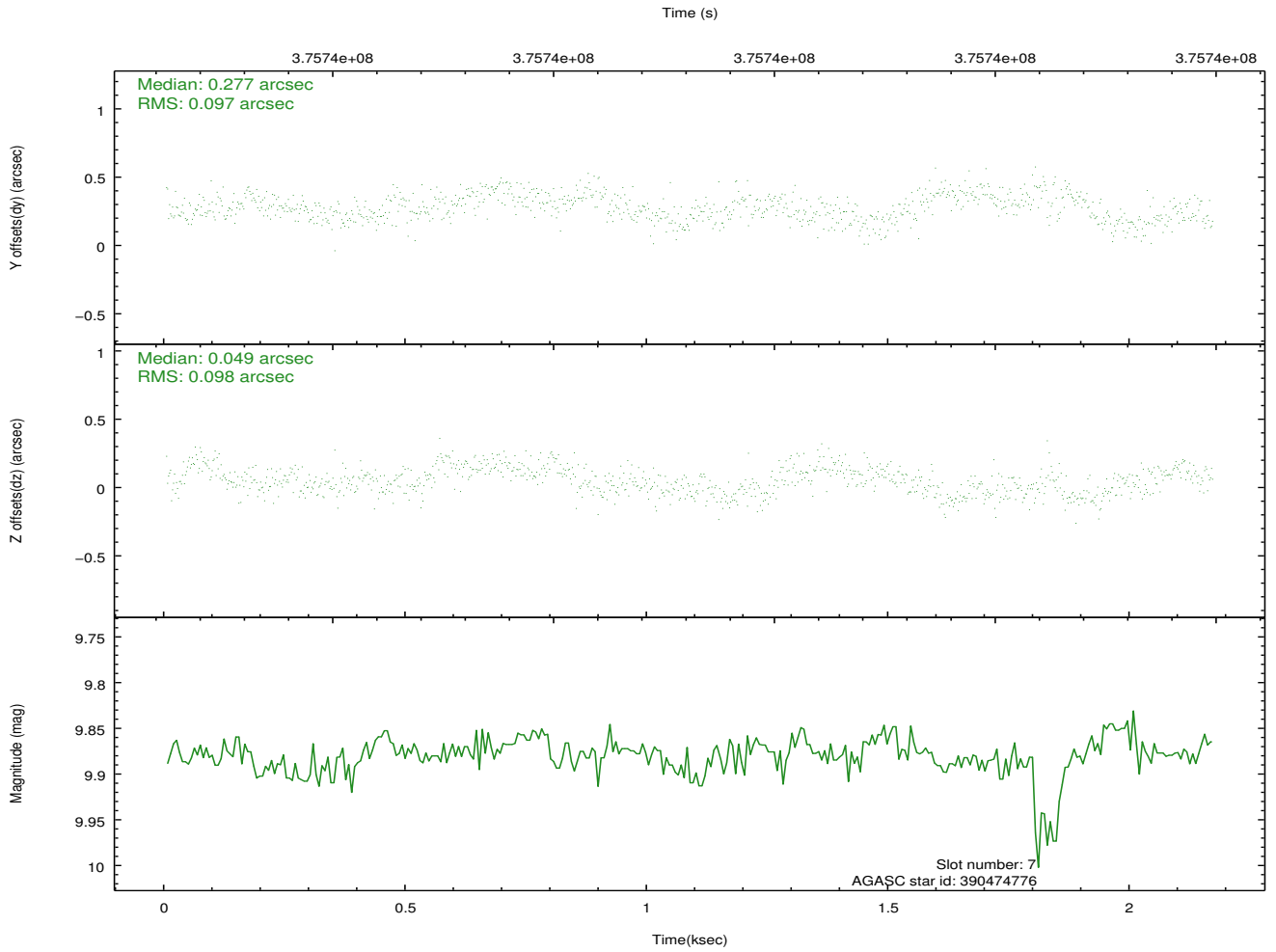
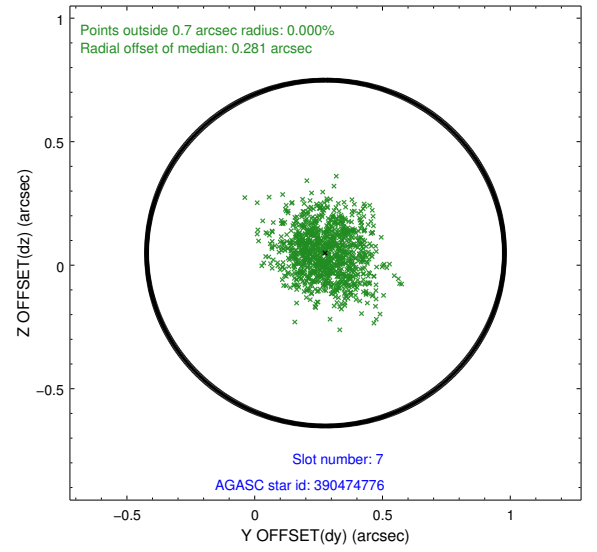
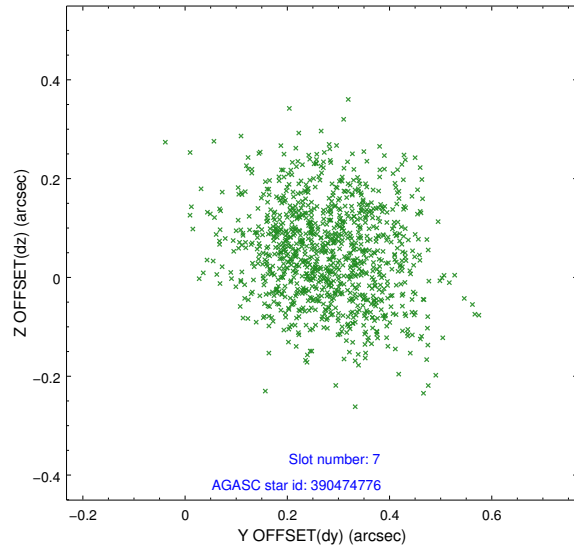
### 2.4.3 Slot 5



## 2.4.4 Slot 6

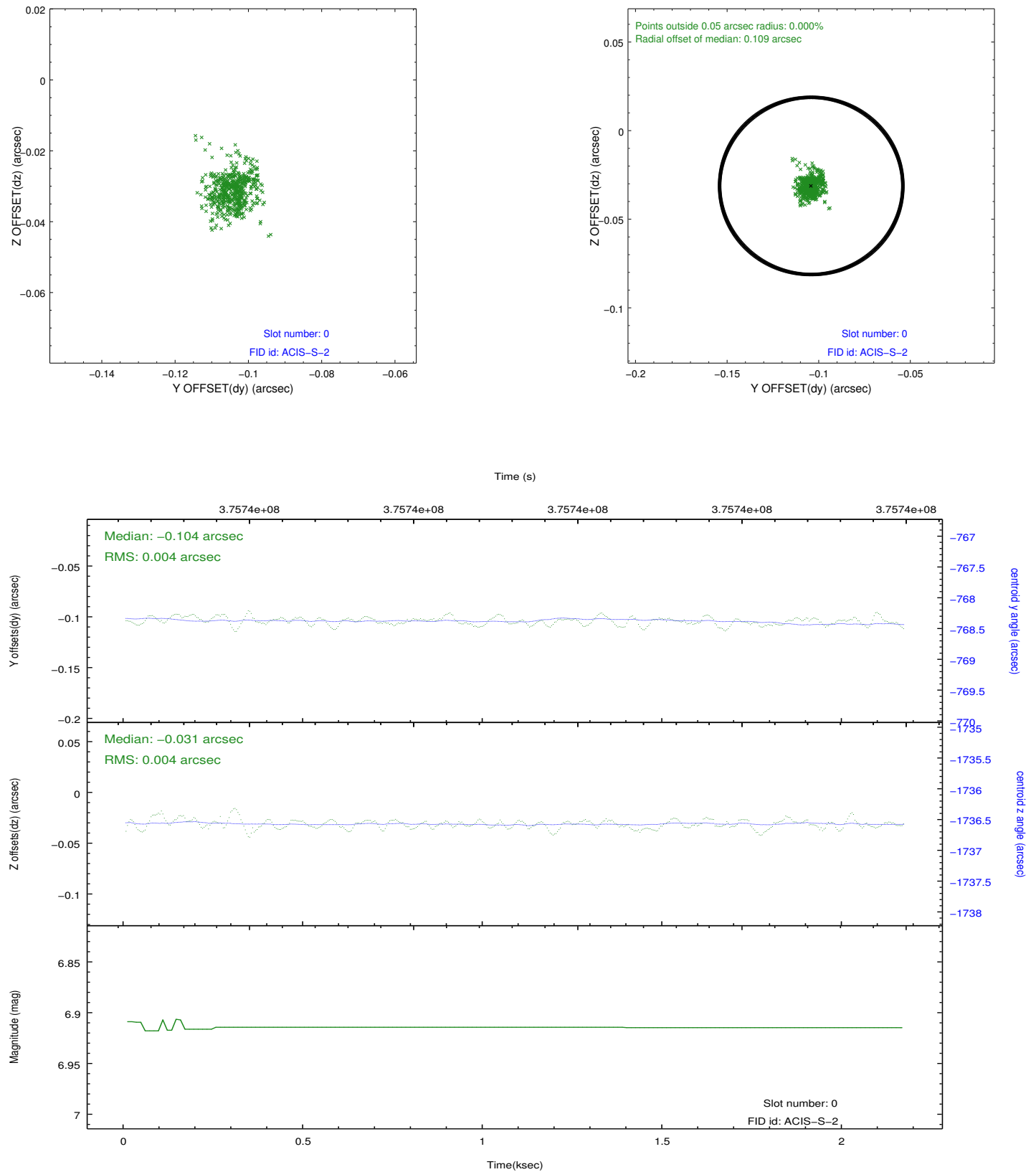


## 2.4.5 Slot 7

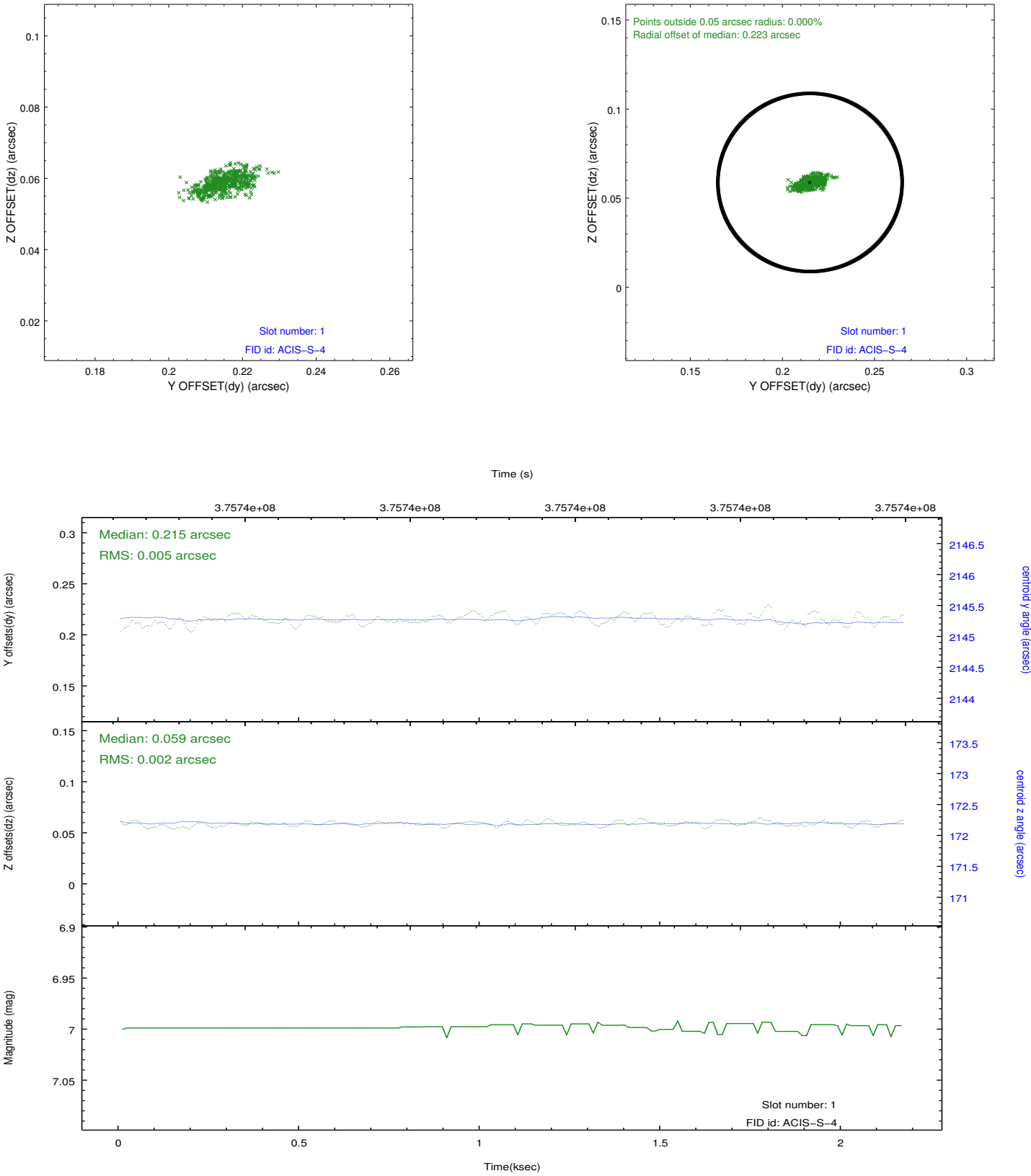


## 2.5 FID Slots

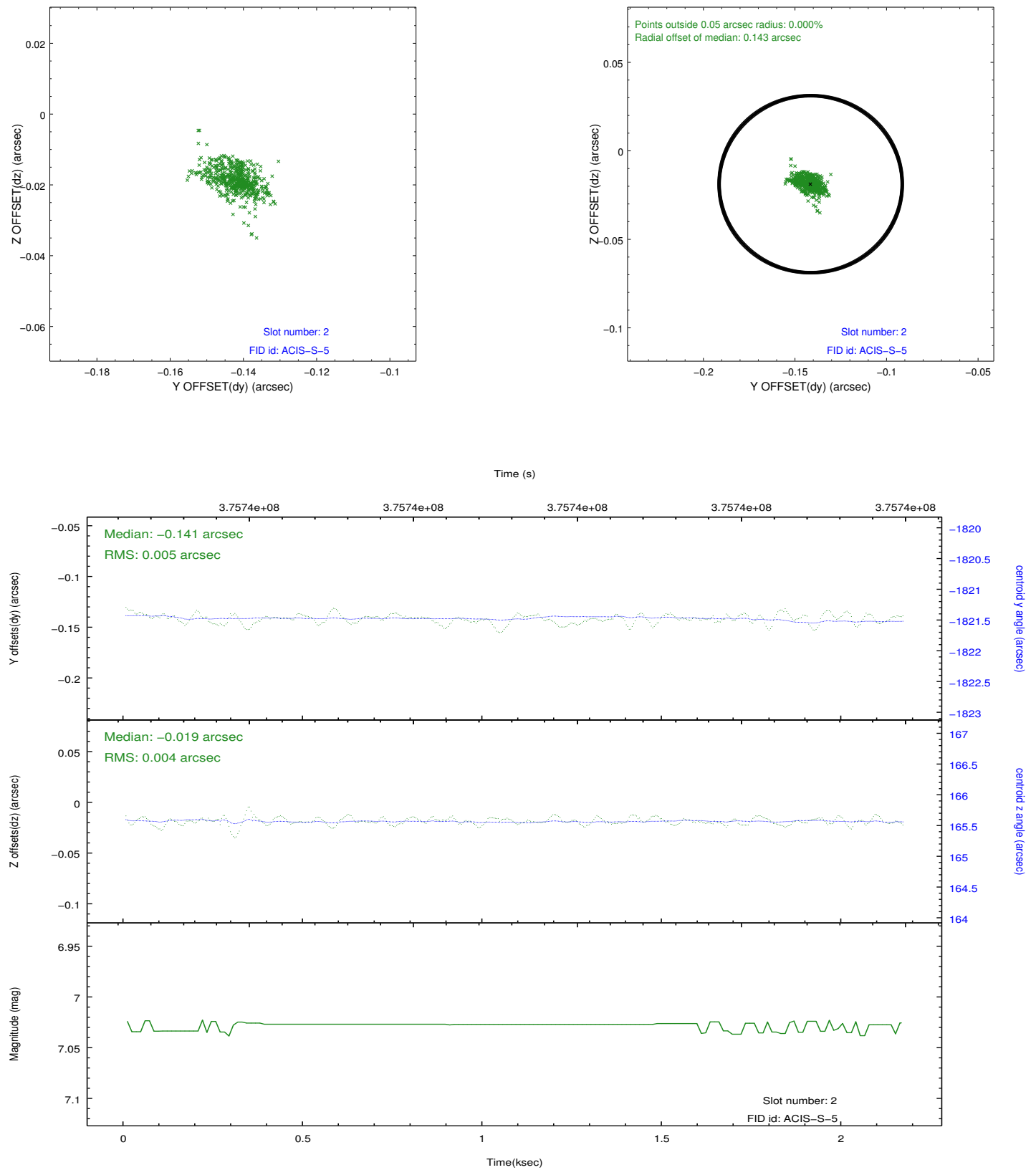
### 2.5.1 Slot 0



2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1679998707771

### A.2 Comments