

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11453 - L2 Version 2  
Chandra X-Ray Center

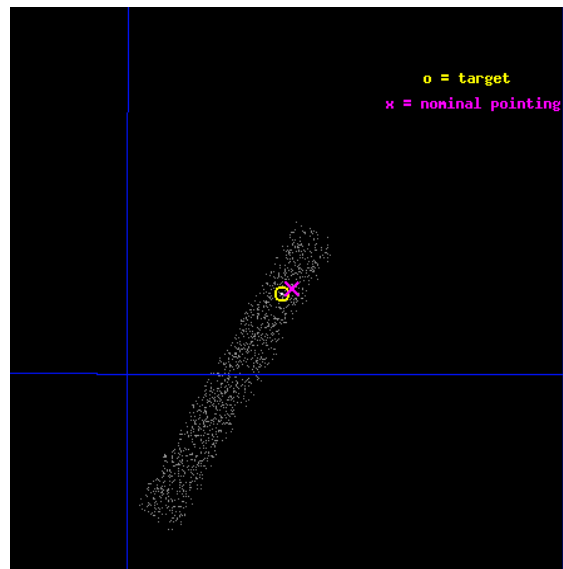
L2 Processing Date : Jun 19 2012

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# 1 Front

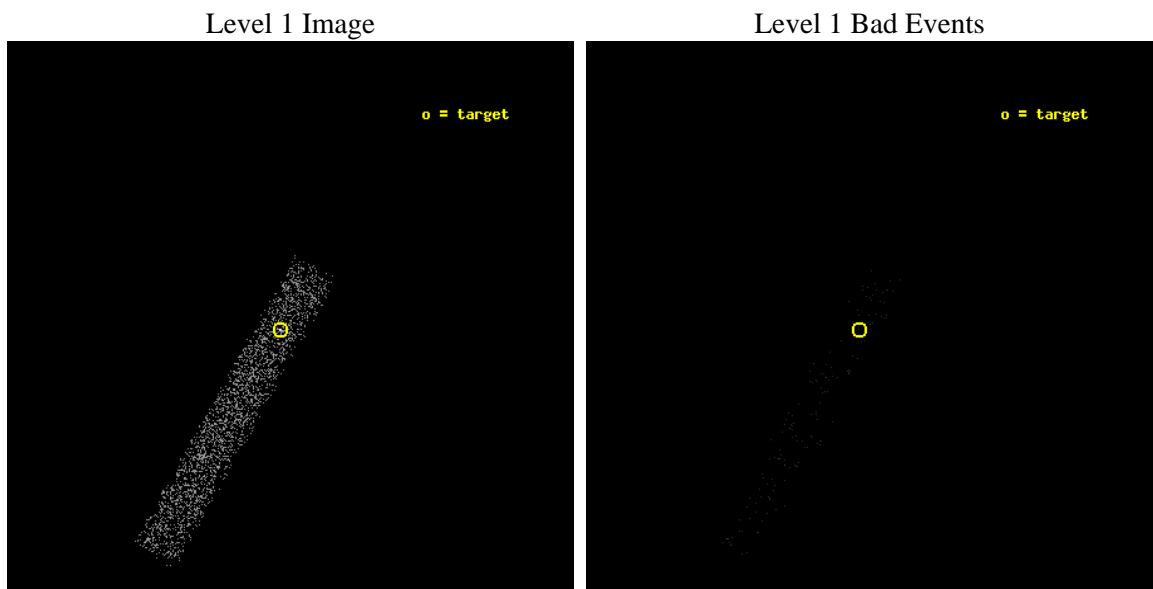
seq_num	702039	Sequence number
obs_id	11453	Observation id
title	X-ray Signatures of Accretion in AGNs with Intermediate-mass Black Holes	Proposal title
observer	Dr. Luis Ho	Principal investigator
object	SDSS J095438.78+403204.2	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	148.661667	Observer's specified target RA [deg]
dec_targ	40.5345	Observer's specified target Dec [deg]
ra_nom	148.65583016742	Nominal RA [deg]
dec_nom	40.536673208033	Nominal Dec [deg]
roll_nom	119.54753676354	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2033.599878788	Sum of GTIs [s]
livetime	1844.3677478578	Livetime [s]
ontime7	2033.599878788	Sum of GTIs [s]
l2events	1468	Number of level 2 events



## 2 OBI

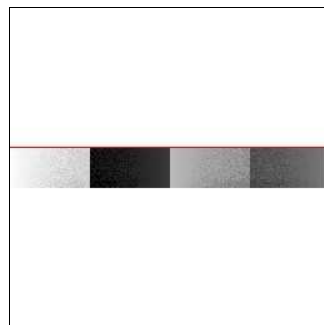
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2033.599878788	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime7	2033.599878788	Sum of GTIs [s]
date	2012-06-19T21:50:28	Date and time of file creation	l1events	2979	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

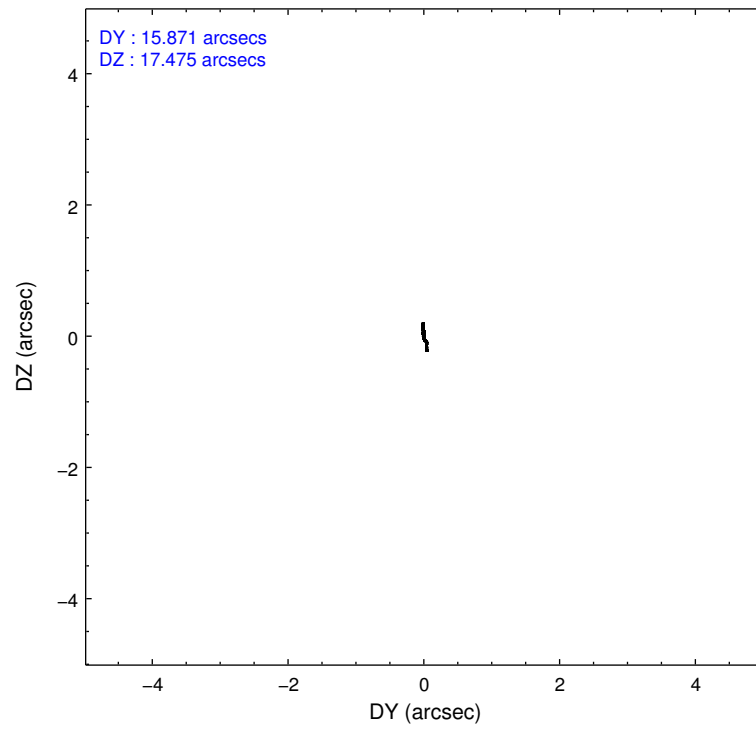
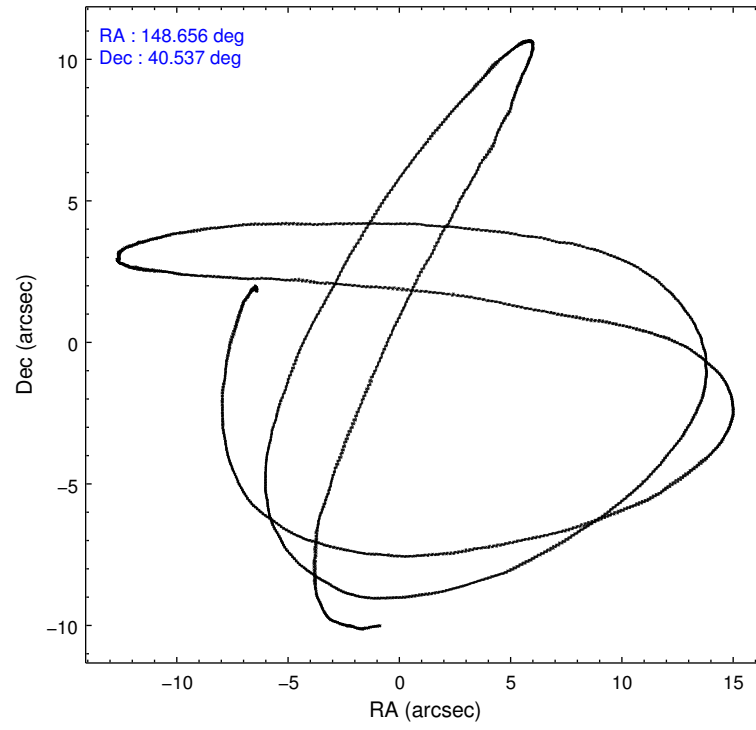
	<b>ccd 7</b>
level 1 events	2979
rejected events	1454
rejected %	48%

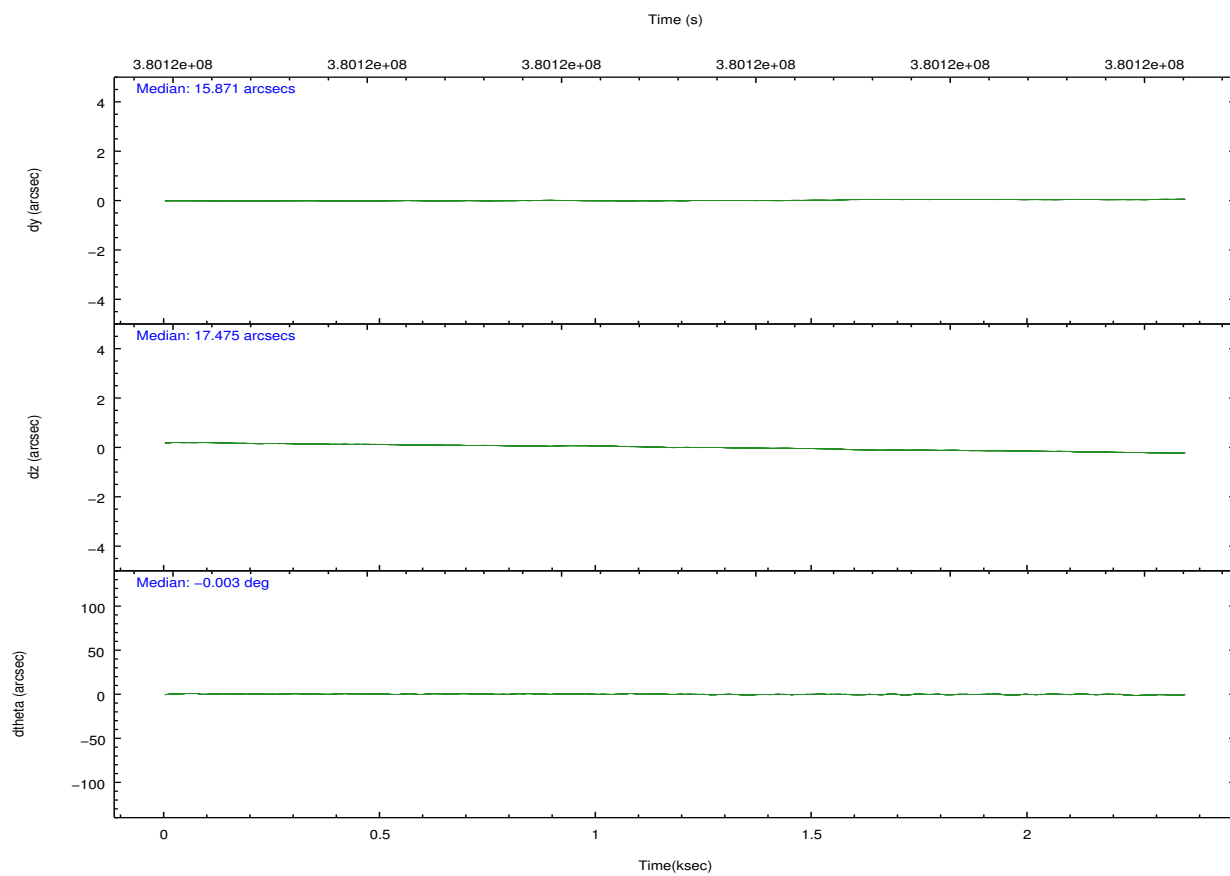
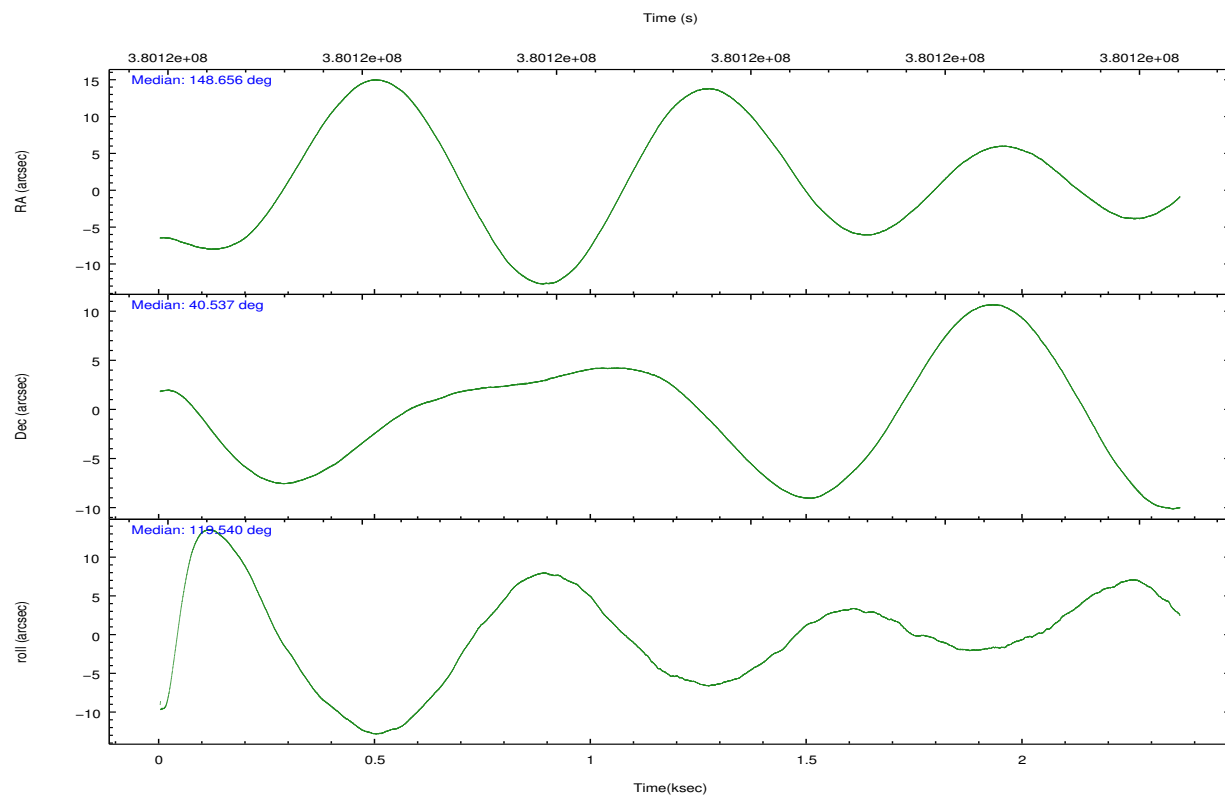
	<b>ccd 7</b>
grade 0 events	209
	7%
grade 1 events	4
	0%
grade 2 events	302
	10%
grade 3 events	198
	6%
grade 4 events	191
	6%
grade 5 events	306
	10%
grade 6 events	625
	20%
grade 7 events	1144
	38%

## 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	148.687333	148.6558301674189	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	40.523299	40.53667320803252	Subarray start row	449	449
[deg] Pointing Roll	119.370540	119.547536763539	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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	380116794.184000	380116046.13376			
Observation start date	2010-01-17T11:58:48	2010-01-17T11:47:26			
[s] Observation end time (MET)	380118974.184000	380119438.88393			
Observation end date	2010-01-17T12:35:08	2010-01-17T12:43:58			
Read mode	TIMED	TIMED			

## 2.3 Aspect





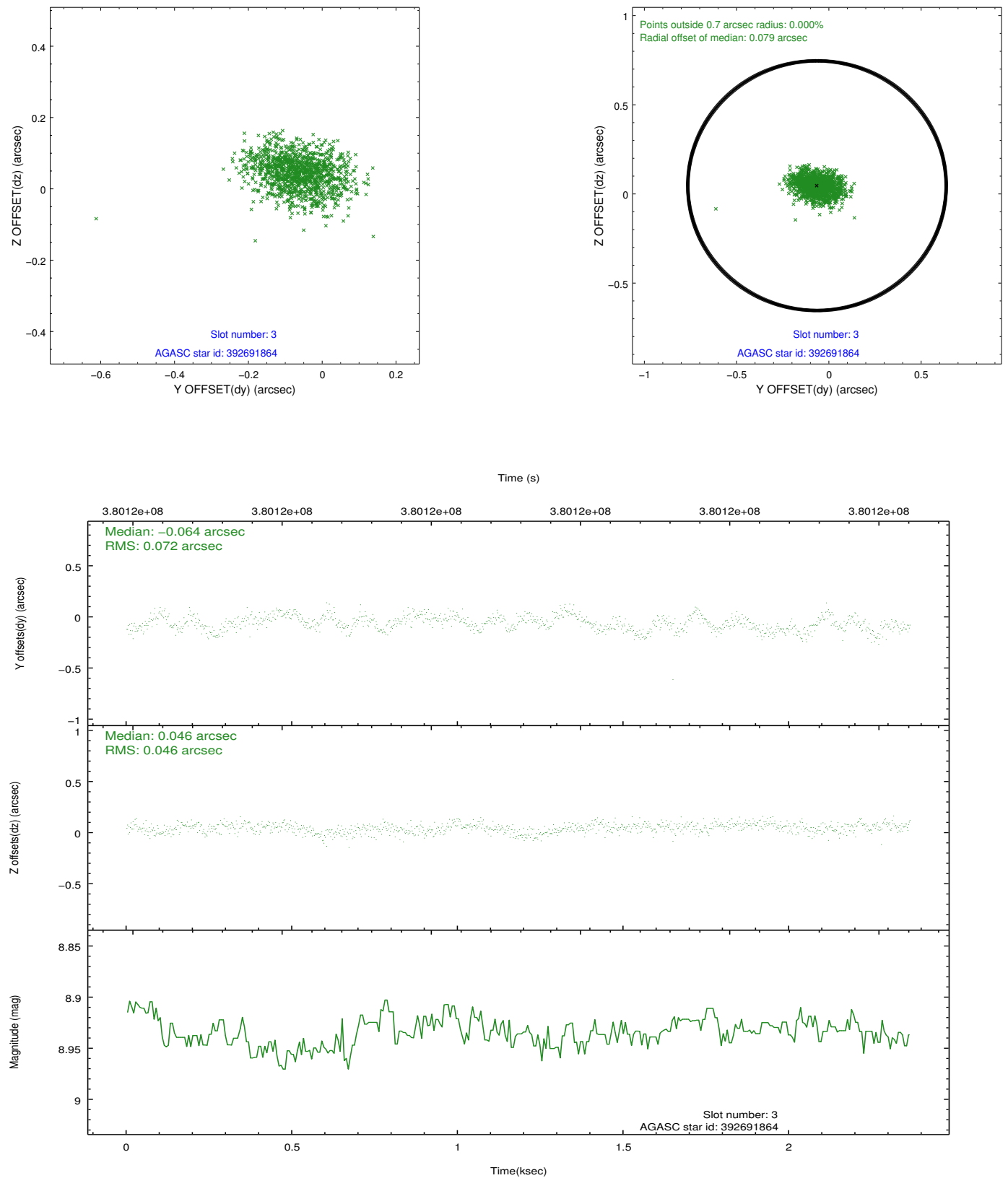
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	577	-0.064	-0.027	0.008	0.014	0.000000	0.000000	-768.98	-1738.87
1	FID	ACIS-S-4	6.97	577	0.143	0.038	0.007	0.018	0.000000	0.000000	2143.29	166.75
2	FID	ACIS-S-5	7.00	577	-0.111	-0.001	0.007	0.015	0.000000	0.000000	-1818.31	163.61
3	GUIDE	392691864	8.93	1153	-0.064	0.046	0.091	0.147	148.998449	41.278003	1956.98	-2067.34
4	GUIDE	392696496	7.38	1153	-0.122	-0.156	0.064	0.102	148.147390	40.376869	272.68	1543.93
5	GUIDE	392697792	9.49	1153	0.194	0.198	0.110	0.174	149.223797	40.535935	-675.13	-1302.72
6	GUIDE	392703768	9.41	1153	0.016	-0.185	0.103	0.170	147.926511	40.922840	2276.08	1092.06
7	GUIDE	392695960	9.91	1142	-0.025	0.109	0.136	0.219	148.586471	41.248638	2412.23	-1042.42

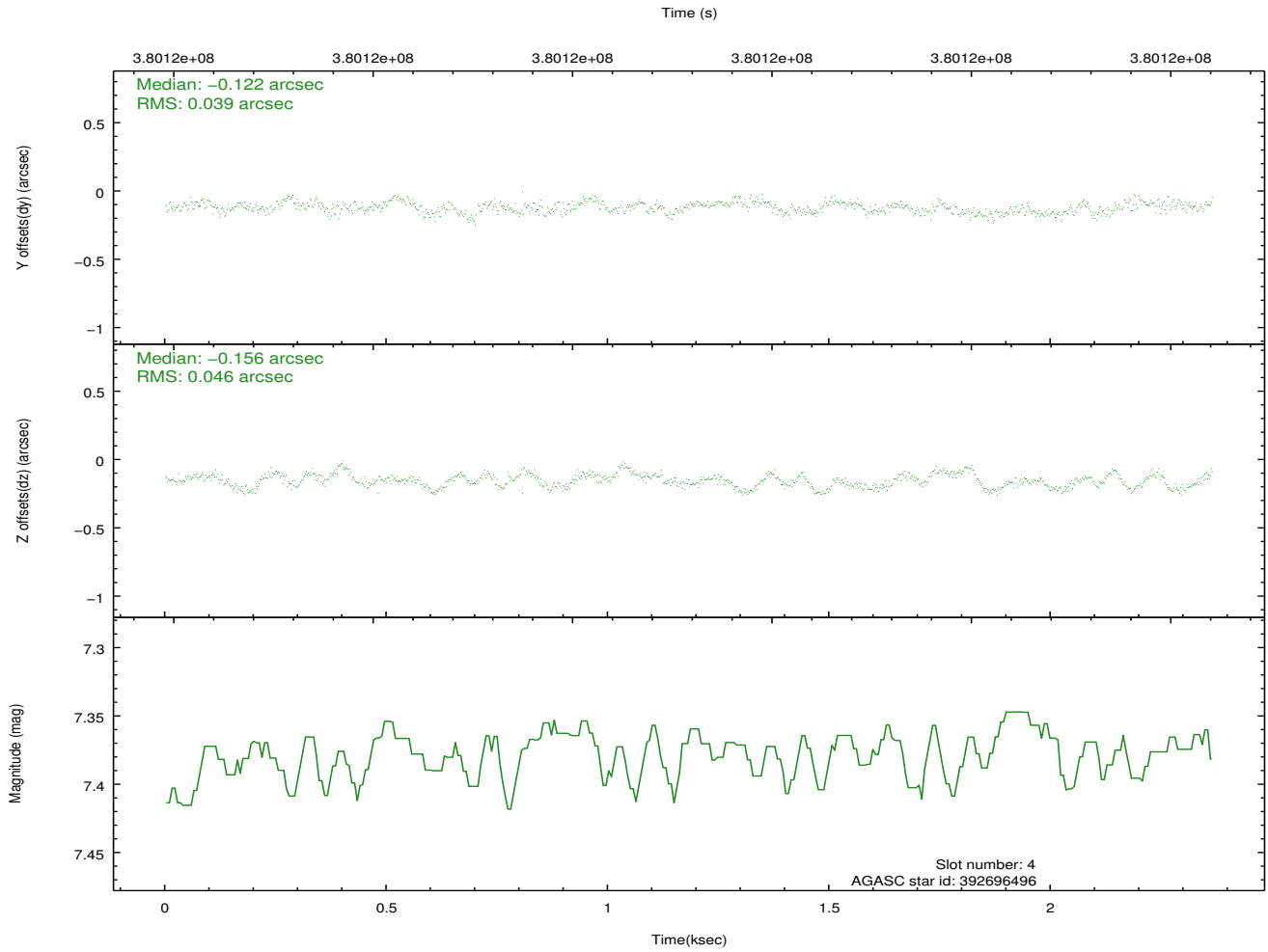
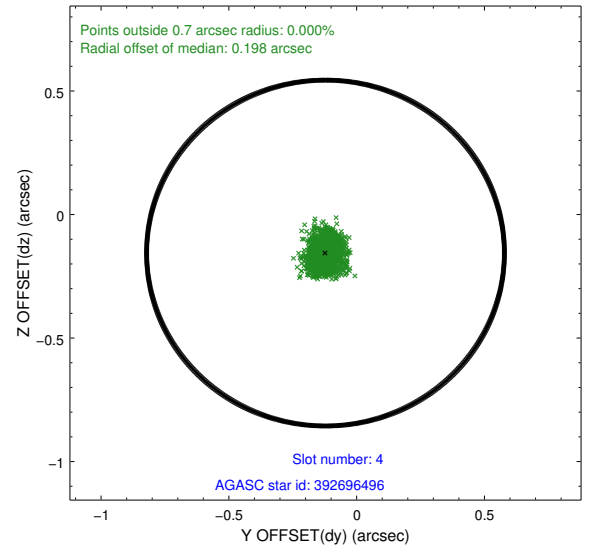
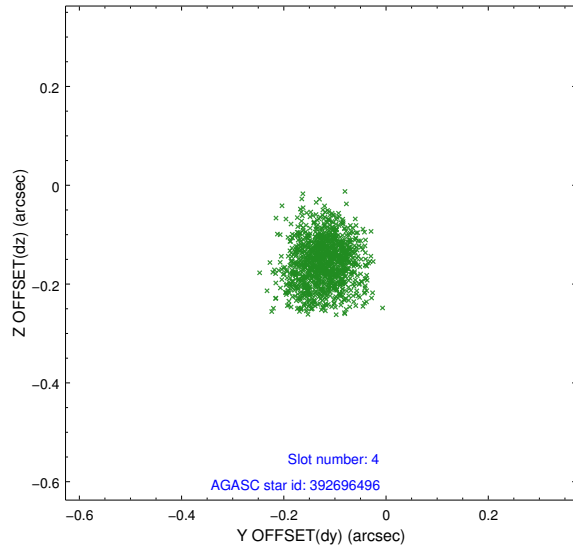


## 2.4 Star Slots

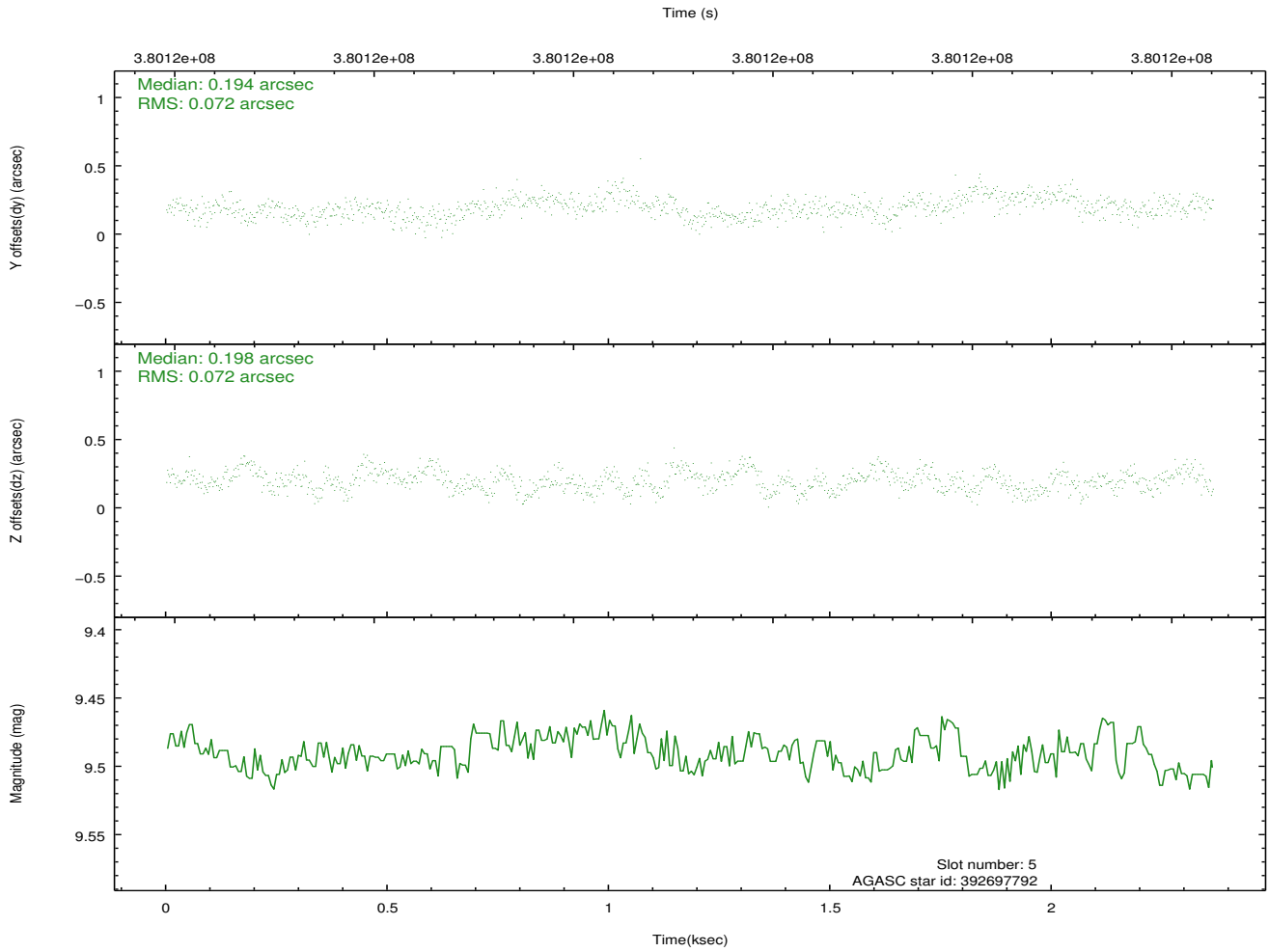
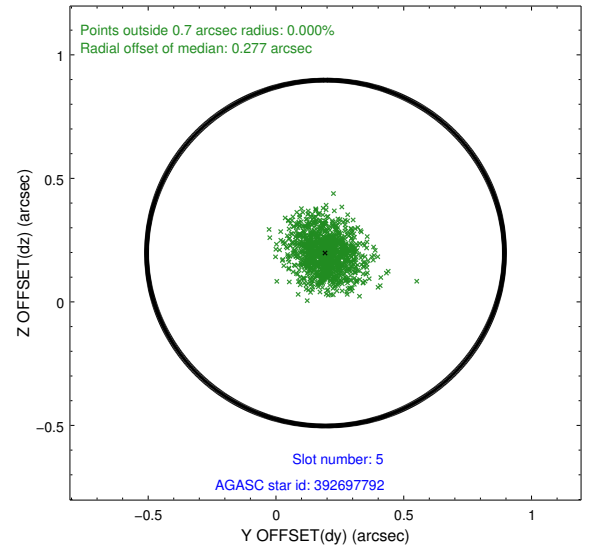
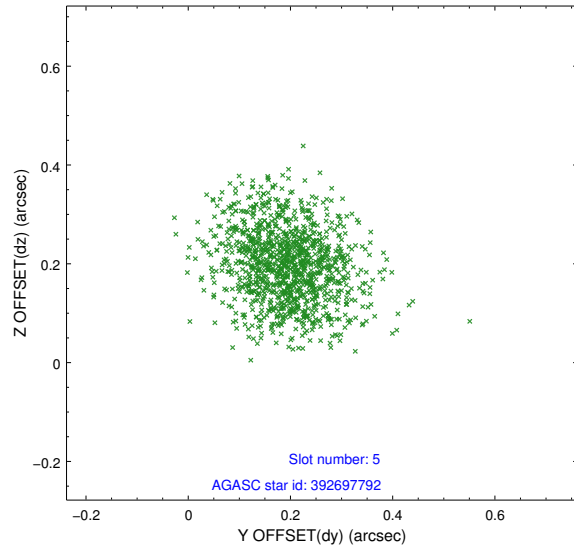
### 2.4.1 Slot 3



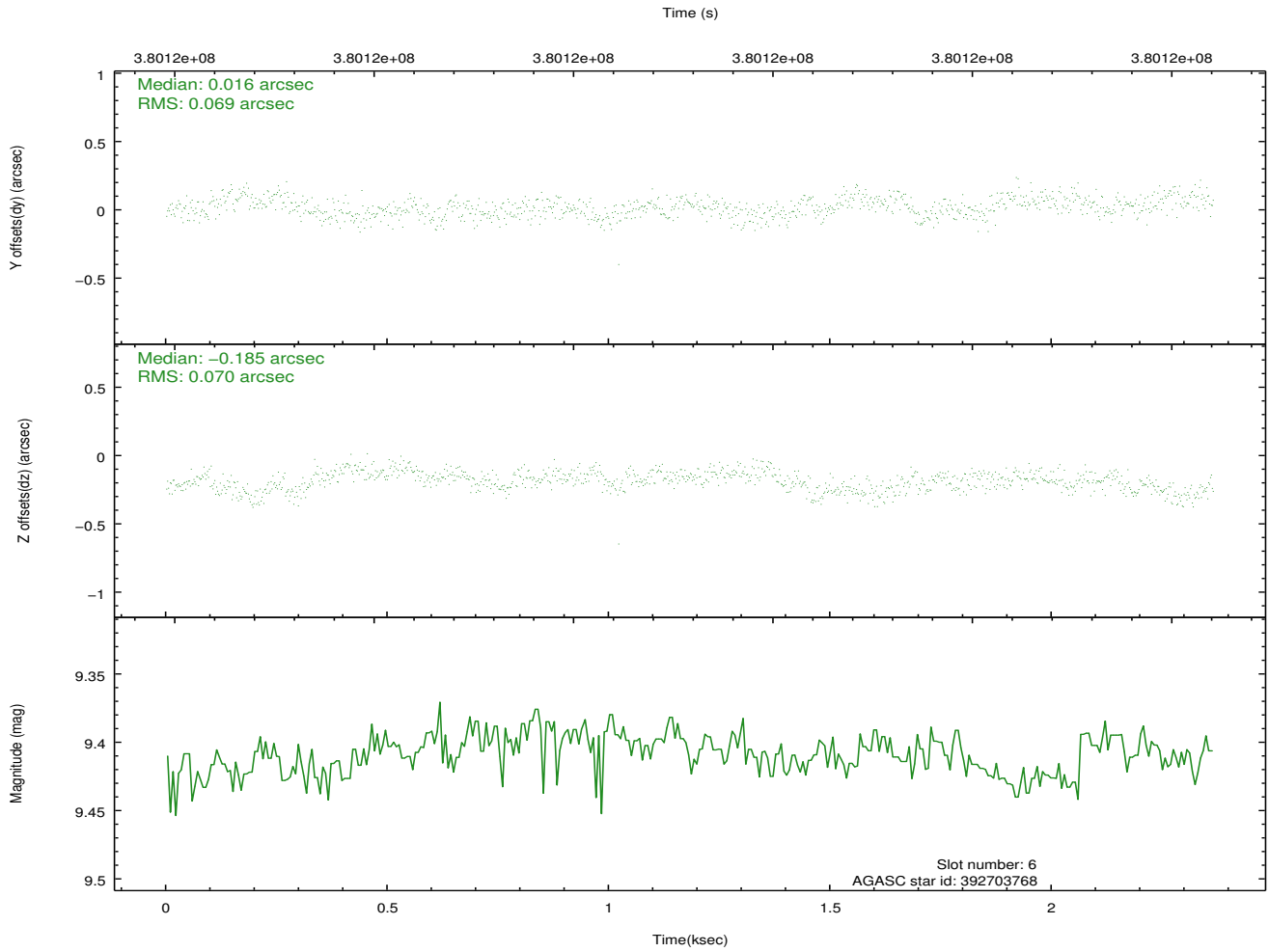
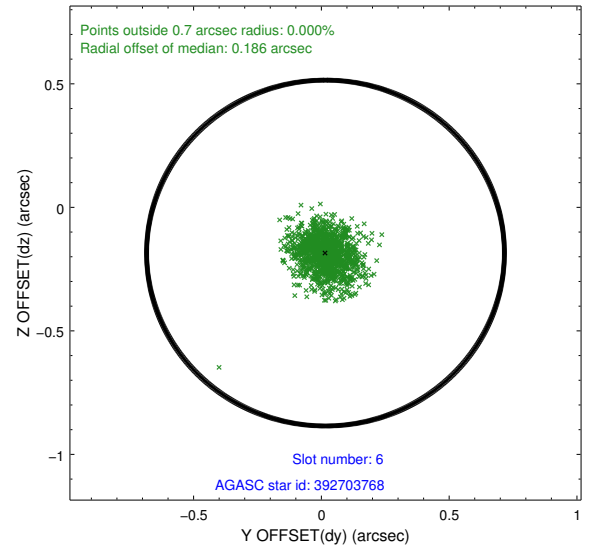
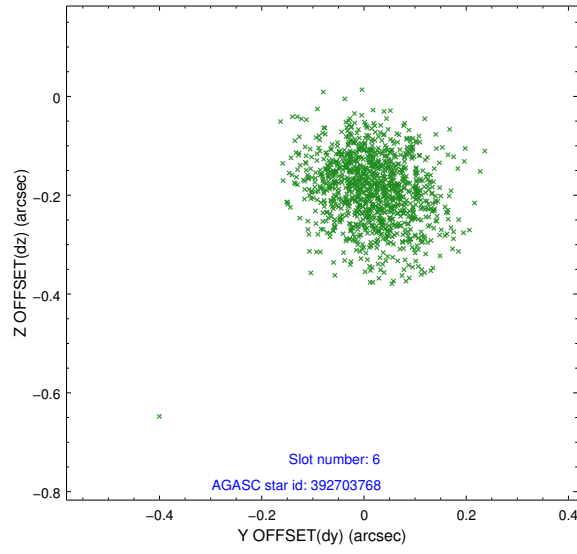
## 2.4.2 Slot 4



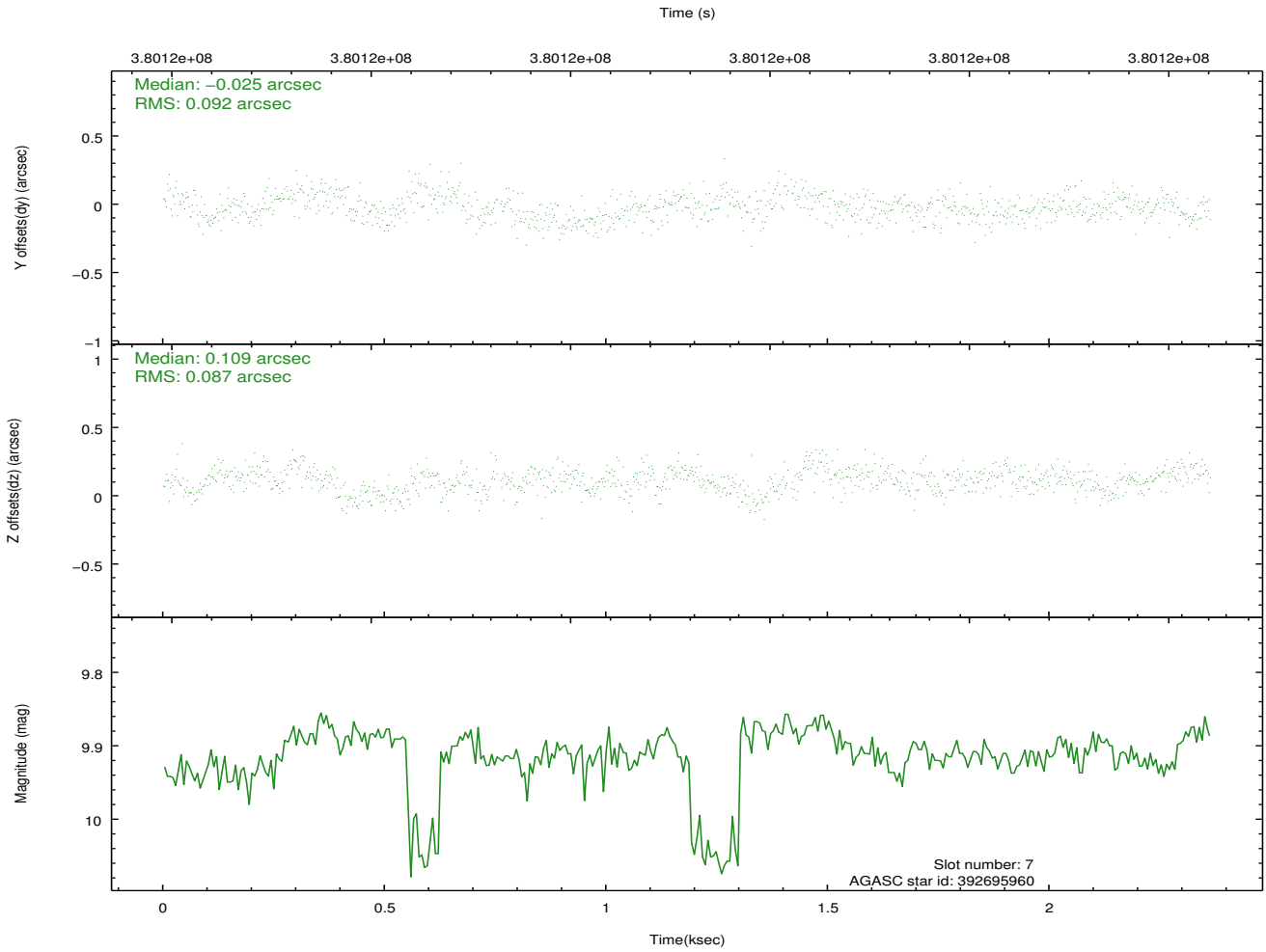
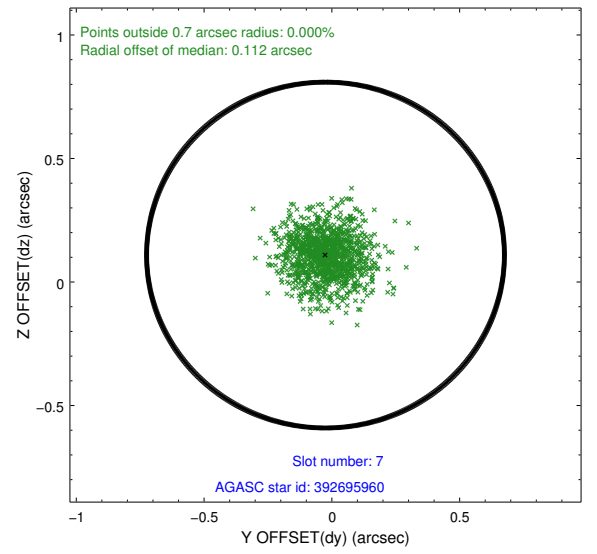
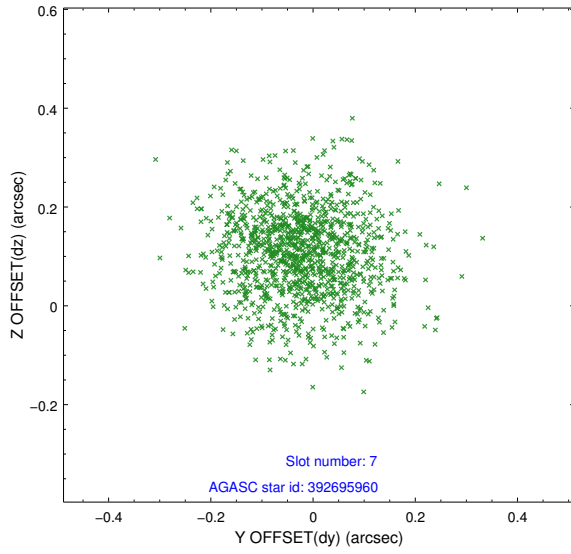
### 2.4.3 Slot 5



## 2.4.4 Slot 6

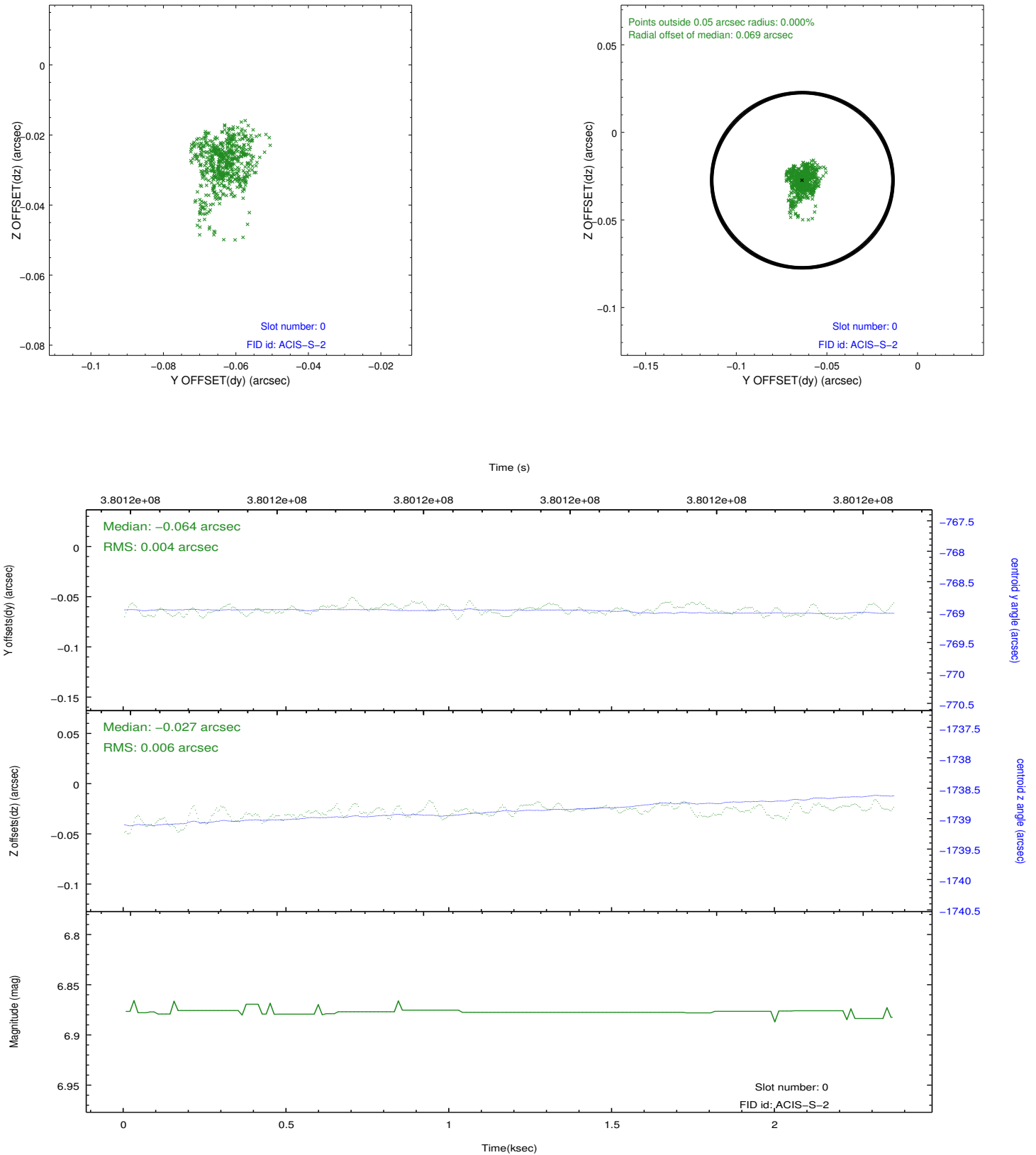


## 2.4.5 Slot 7

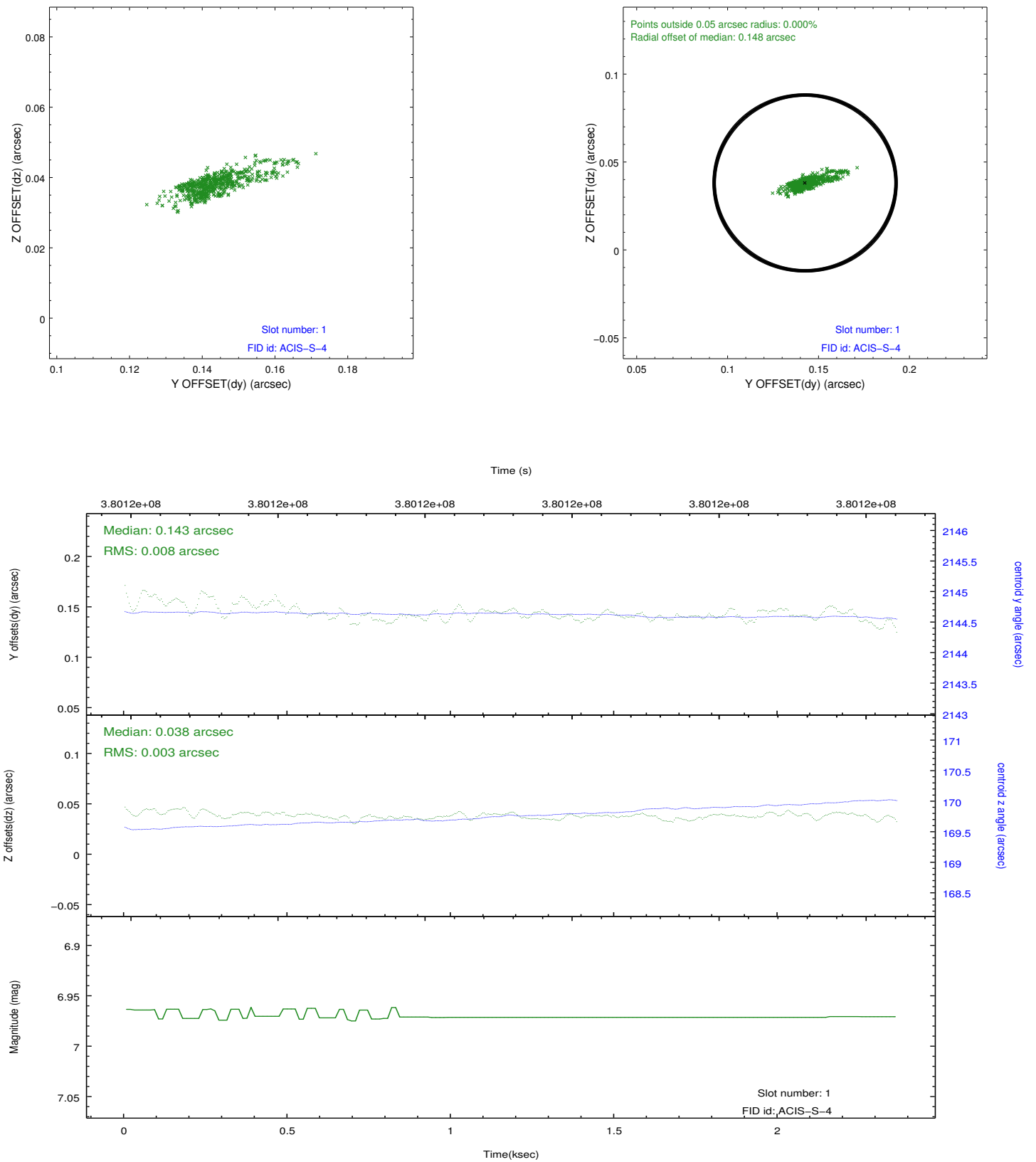


## 2.5 FID Slots

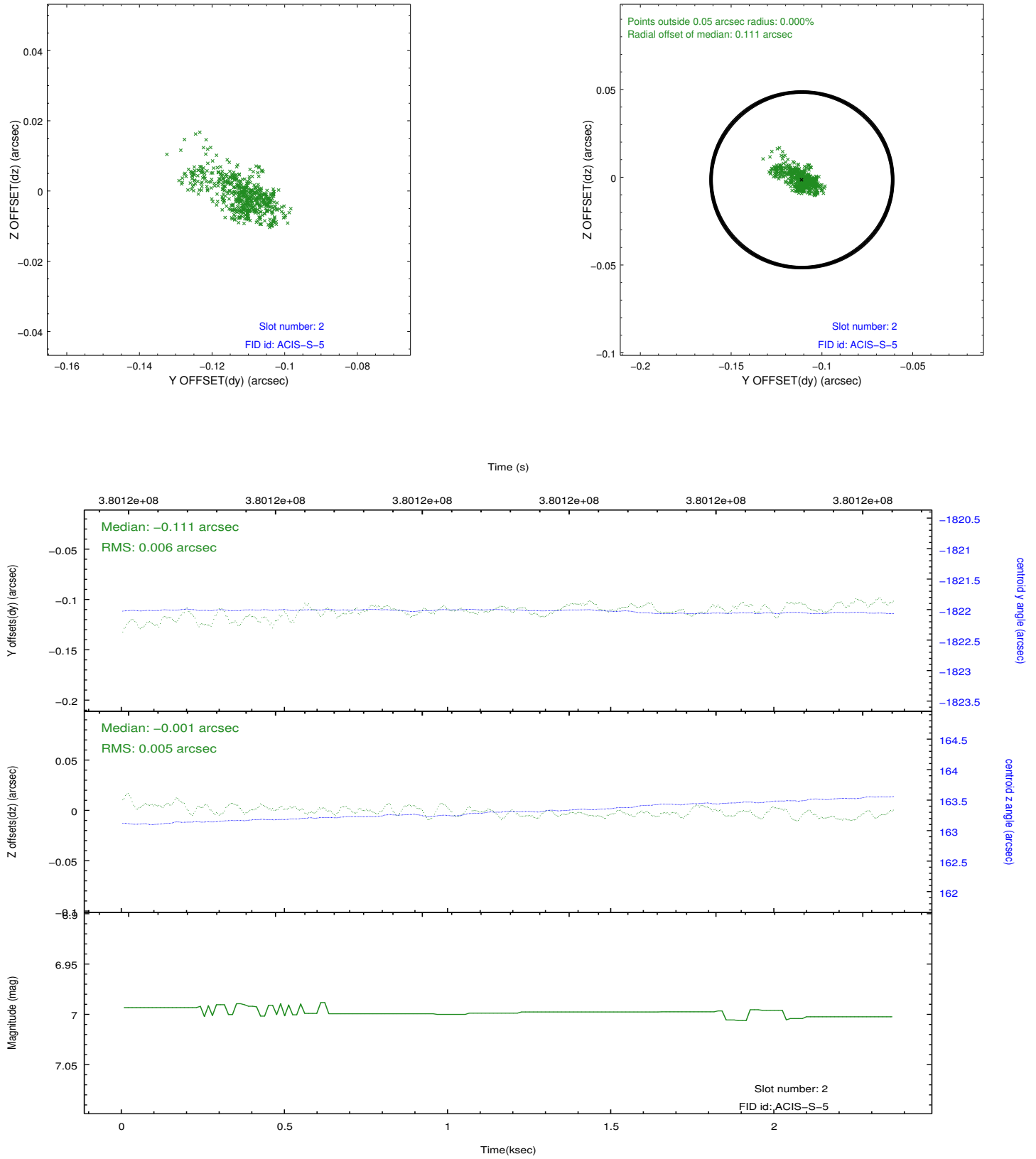
### 2.5.1 Slot 0



## 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)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.033599878788

### A.2 Comments