

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 14376 - L2 Version 2  
Chandra X-Ray Center

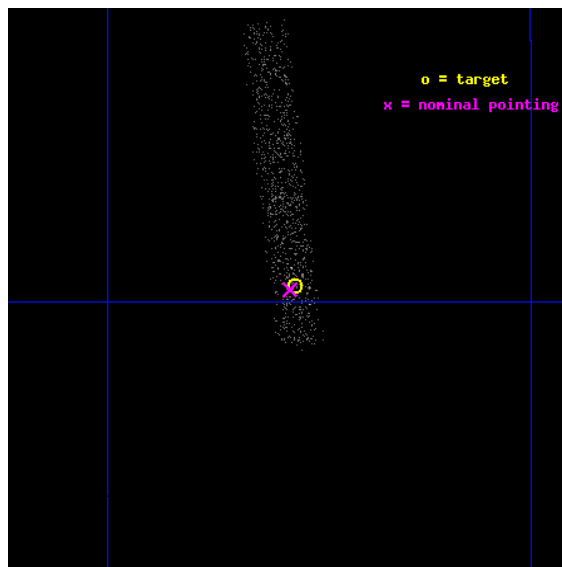
L2 Processing Date : Feb 28 2012

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# 1 Front

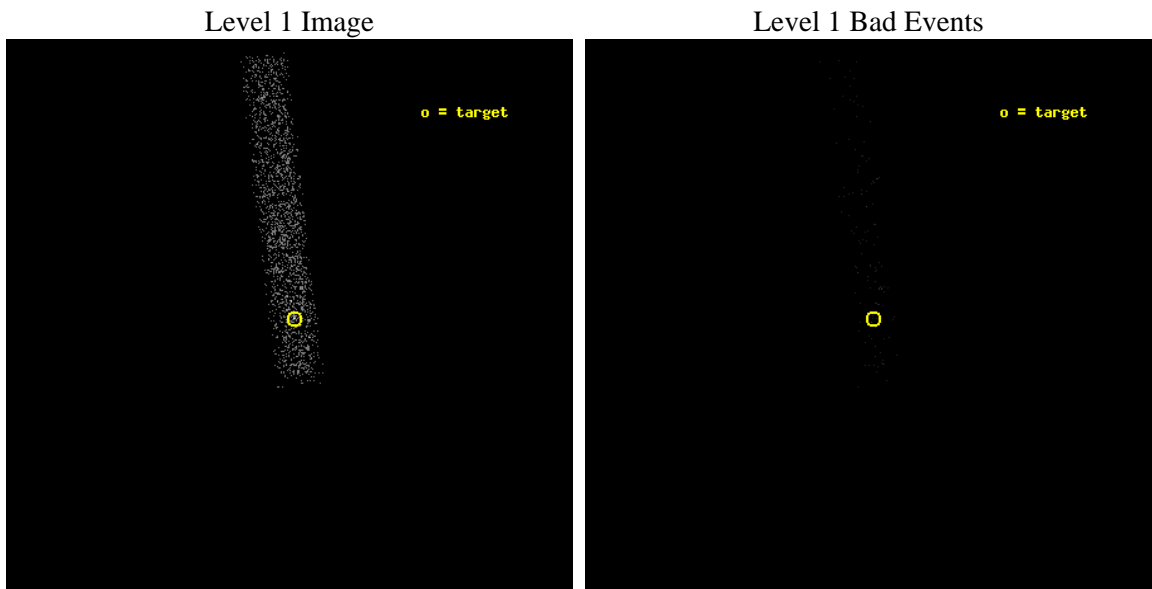
seq_num	401427	Sequence number
obs_id	14376	Observation id
title	Chandra Astrometry of a New ULX in NGC 891	Proposal title
observer	Mr Edmund Hodges-Kluck	Principal investigator
object	NGC 891 ULX1	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	35.639167	Observer's specified target RA [deg]
dec_targ	42.340583	Observer's specified target Dec [deg]
ra_nom	35.642343146423	Nominal RA [deg]
dec_nom	42.338730131142	Nominal Dec [deg]
roll_nom	263.32530986954	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2010.3998801708	Sum of GTIs [s]
livetime	1823.3265737083	Livetime [s]
ontime7	2010.3998801708	Sum of GTIs [s]
l2events	1310	Number of level 2 events



## 2 OBI

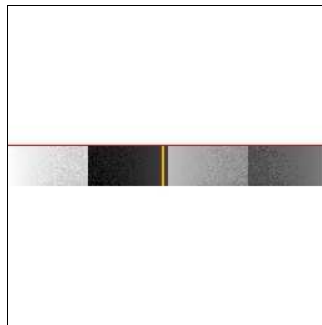
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	2010.3998801708	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime7	2010.3998801708	Sum of GTIs [s]
date	2012-02-28T18:45:58	Date and time of file creation	l1events	2533	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

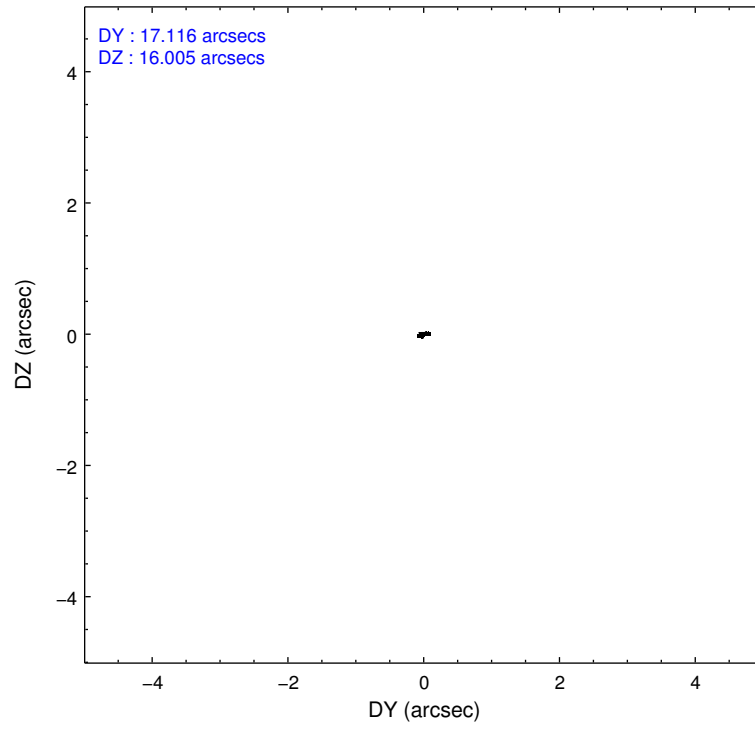
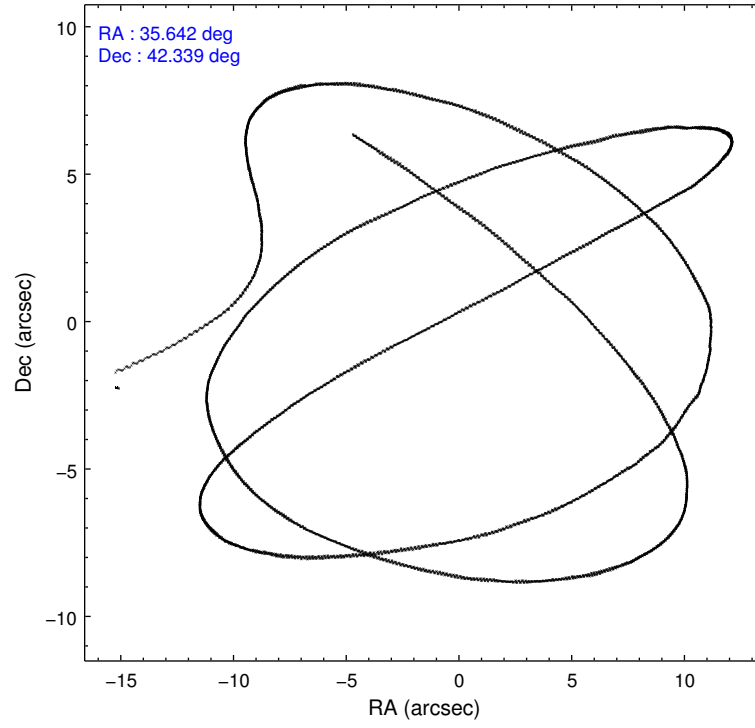
	<b>ccd 7</b>
level 1 events	2533
rejected events	1176
rejected %	46%

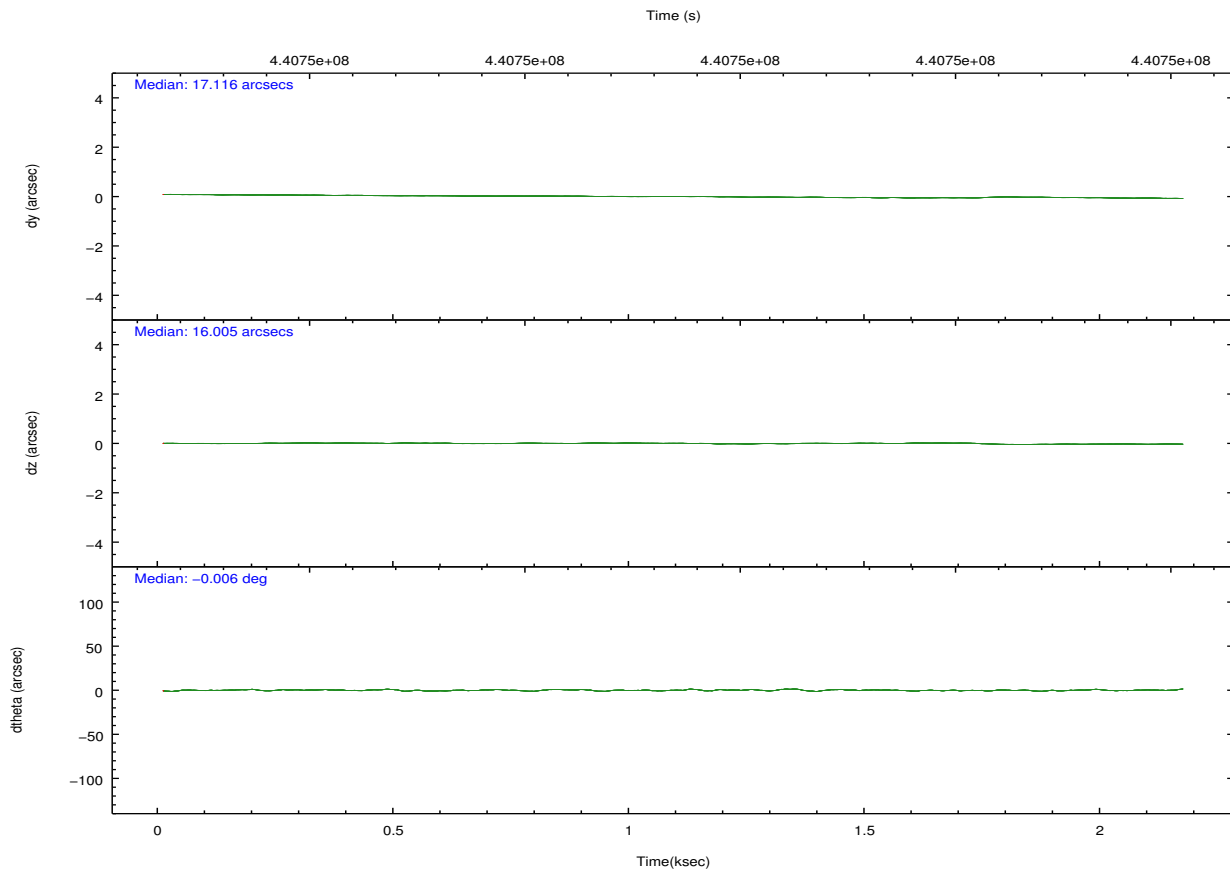
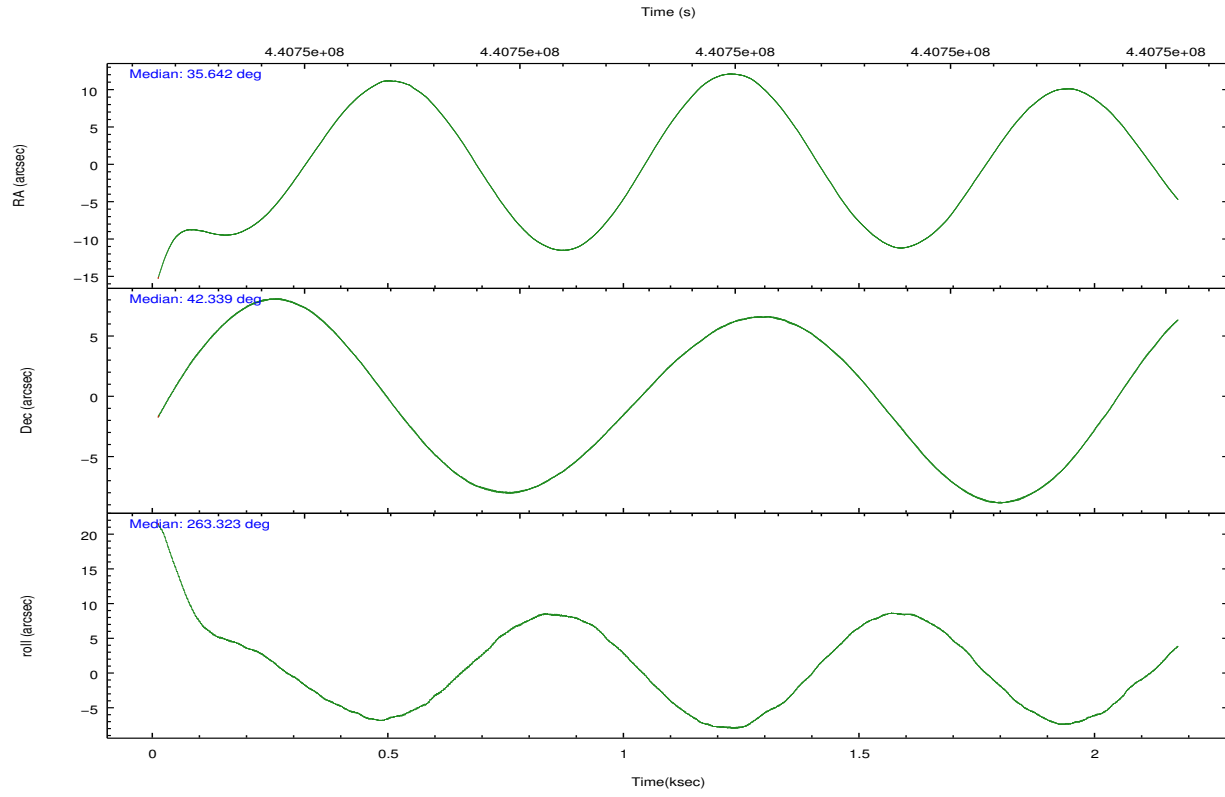
	<b>ccd 7</b>
grade 0 events	181
	7%
grade 1 events	4
	0%
grade 2 events	270
	10%
grade 3 events	185
	7%
grade 4 events	170
	6%
grade 5 events	236
	9%
grade 6 events	552
	21%
grade 7 events	935
	36%

## 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	35.627226	35.6423431464229	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	42.363638	42.33873013114206	Subarray start row	449	449
[deg] Pointing Roll	263.178785	263.3253098695366	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)	440752433.184000	440751369.44237			
Observation start date	2011-12-20T07:12:47	2011-12-20T06:56:09			
[s] Observation end time (MET)	440754433.184000	440754864.18005			
Observation end date	2011-12-20T07:46:07	2011-12-20T07:54:24			
Read mode	TIMED	TIMED			

## 2.3 Aspect





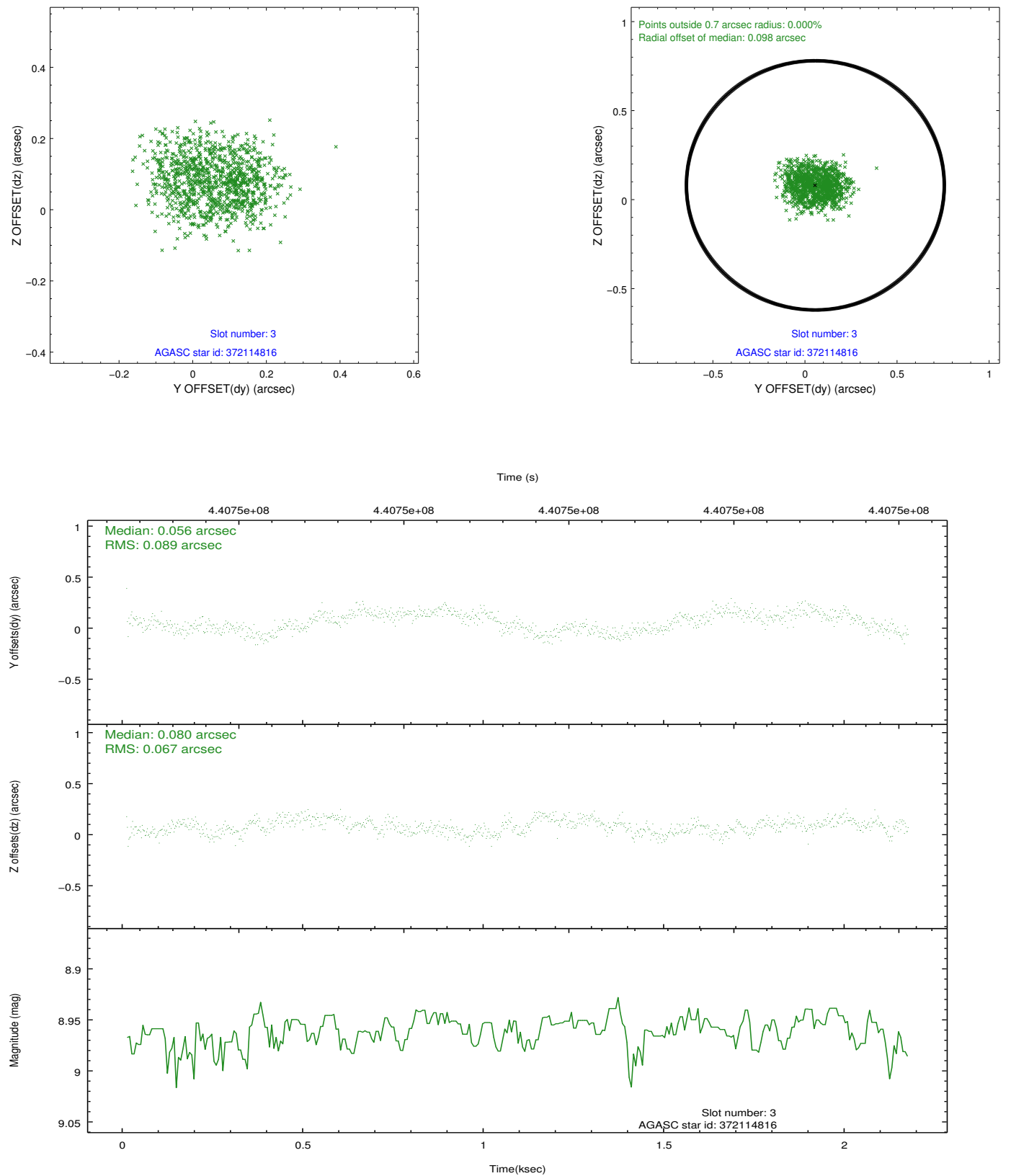
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.08	529	-0.014	-0.096	0.006	0.012	0.000000	0.000000	925.89	-1733.12
1	FID	ACIS-S-4	7.08	529	0.097	0.008	0.007	0.011	0.000000	0.000000	2145.05	168.04
2	FID	ACIS-S-6	7.21	529	-0.107	0.099	0.007	0.011	0.000000	0.000000	395.56	808.88
3	GUIDE	372114816	8.96	1056	0.056	0.080	0.122	0.184	35.088053	43.003064	-2120.86	-1683.23
4	GUIDE	372115120	7.72	1057	0.034	-0.017	0.068	0.109	35.261123	42.943957	-1963.03	-1207.75
5	GUIDE	372117744	9.18	1054	0.032	0.125	0.093	0.152	35.244211	42.008785	1386.76	-866.47
6	GUIDE	372120448	8.20	1057	-0.132	0.025	0.056	0.094	35.866153	41.742261	2145.76	902.38
7	GUIDE	372125688	8.89	1055	-0.000	-0.222	0.139	0.196	35.571507	41.884148	1734.27	57.66

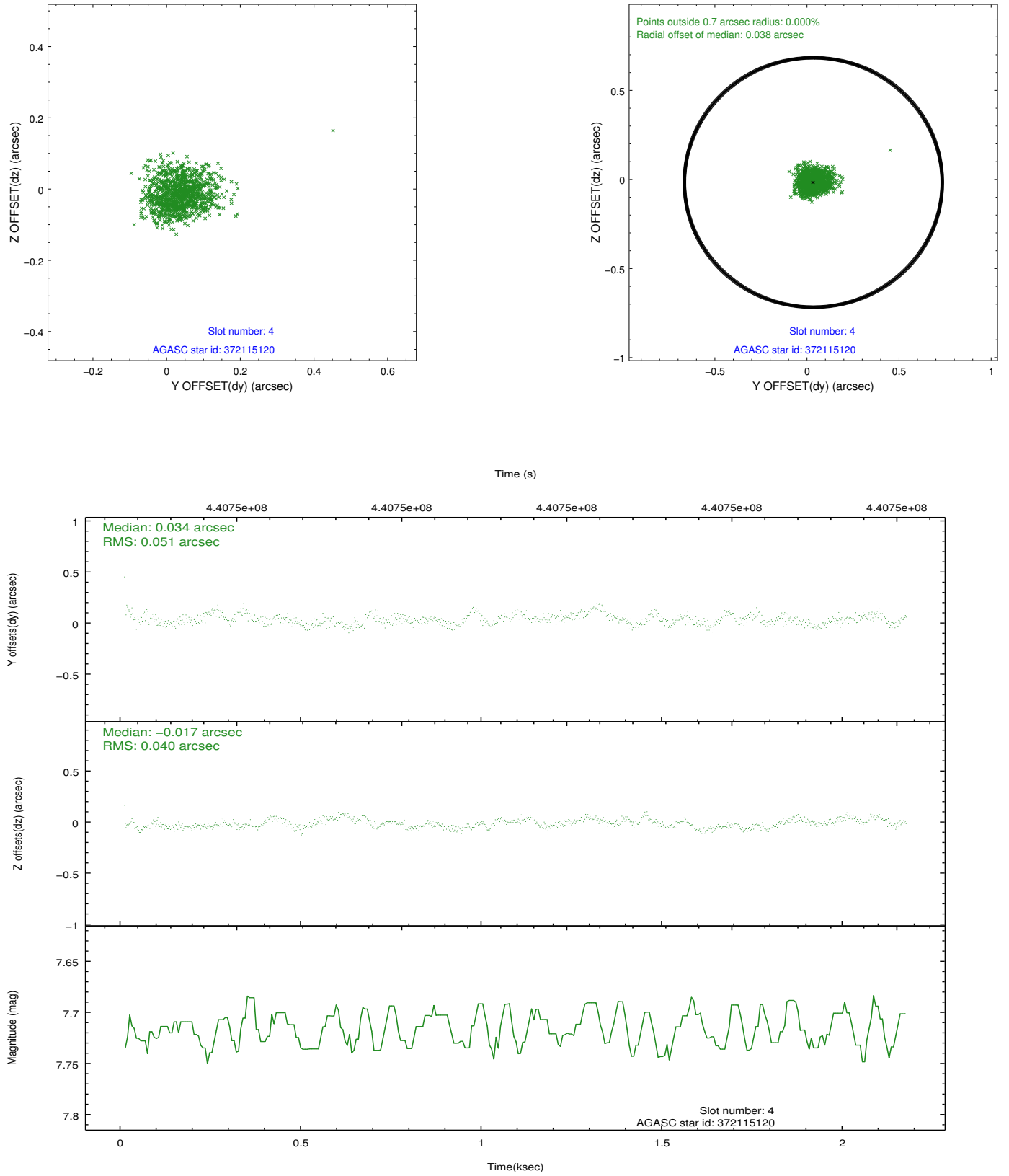


## 2.4 Star Slots

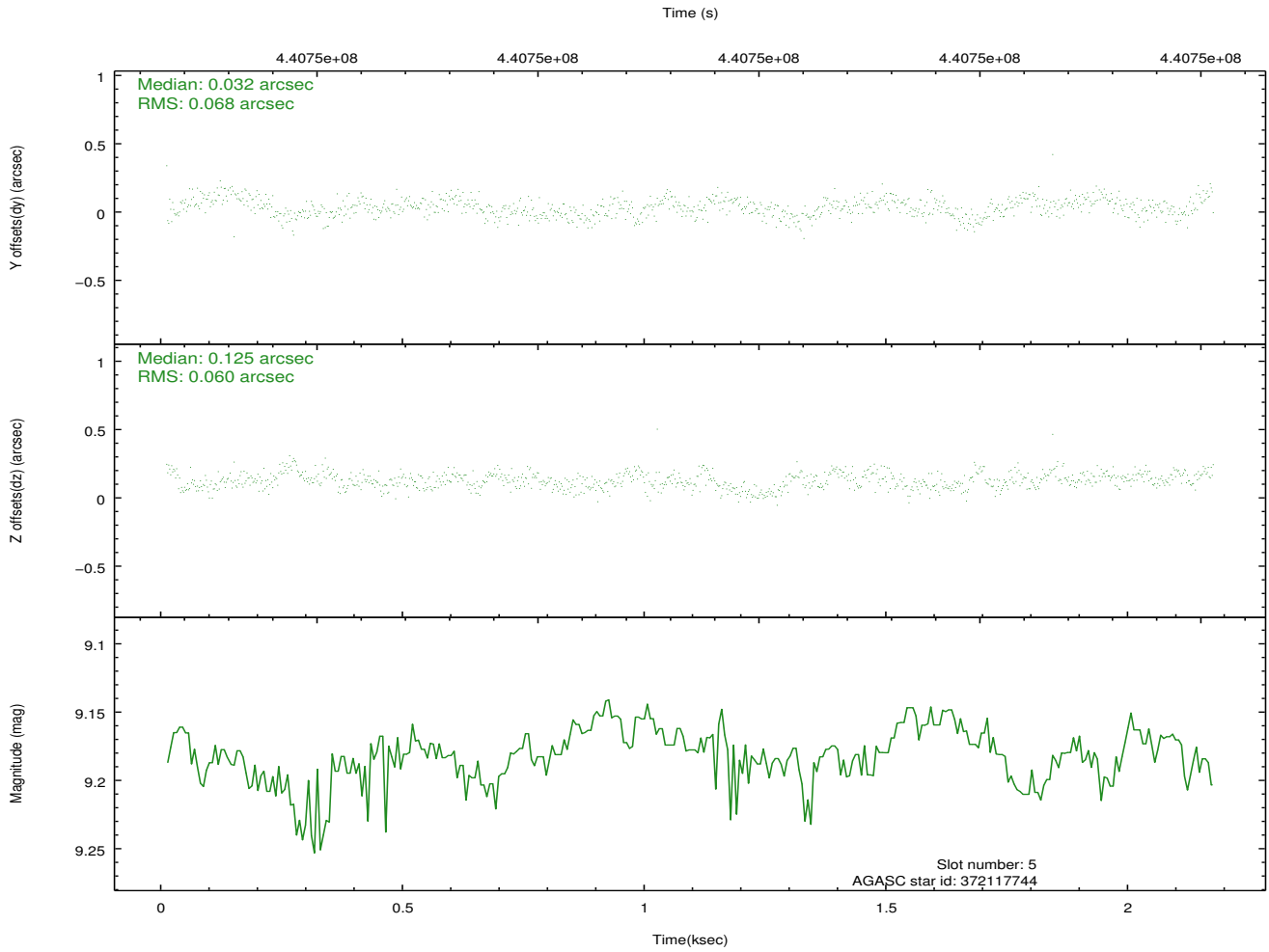
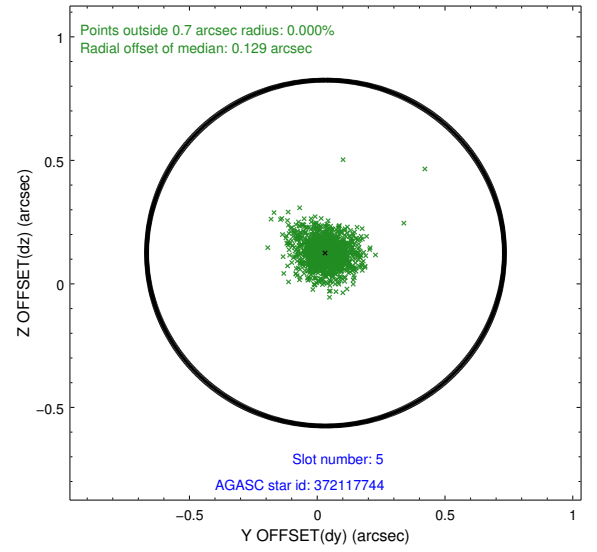
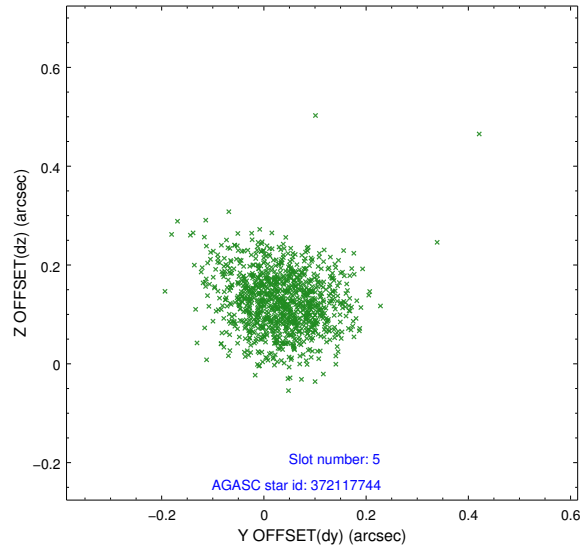
### 2.4.1 Slot 3



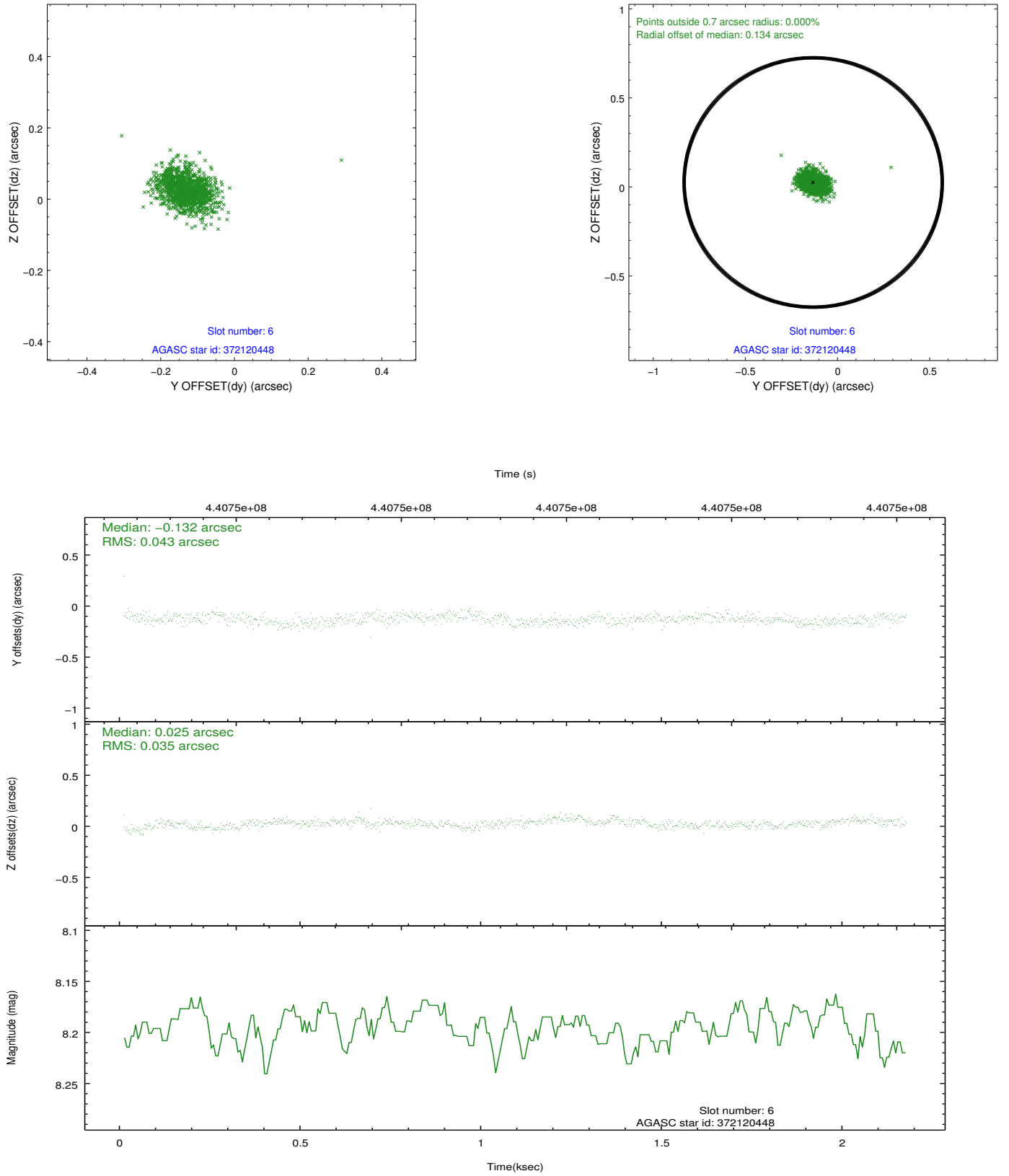
## 2.4.2 Slot 4



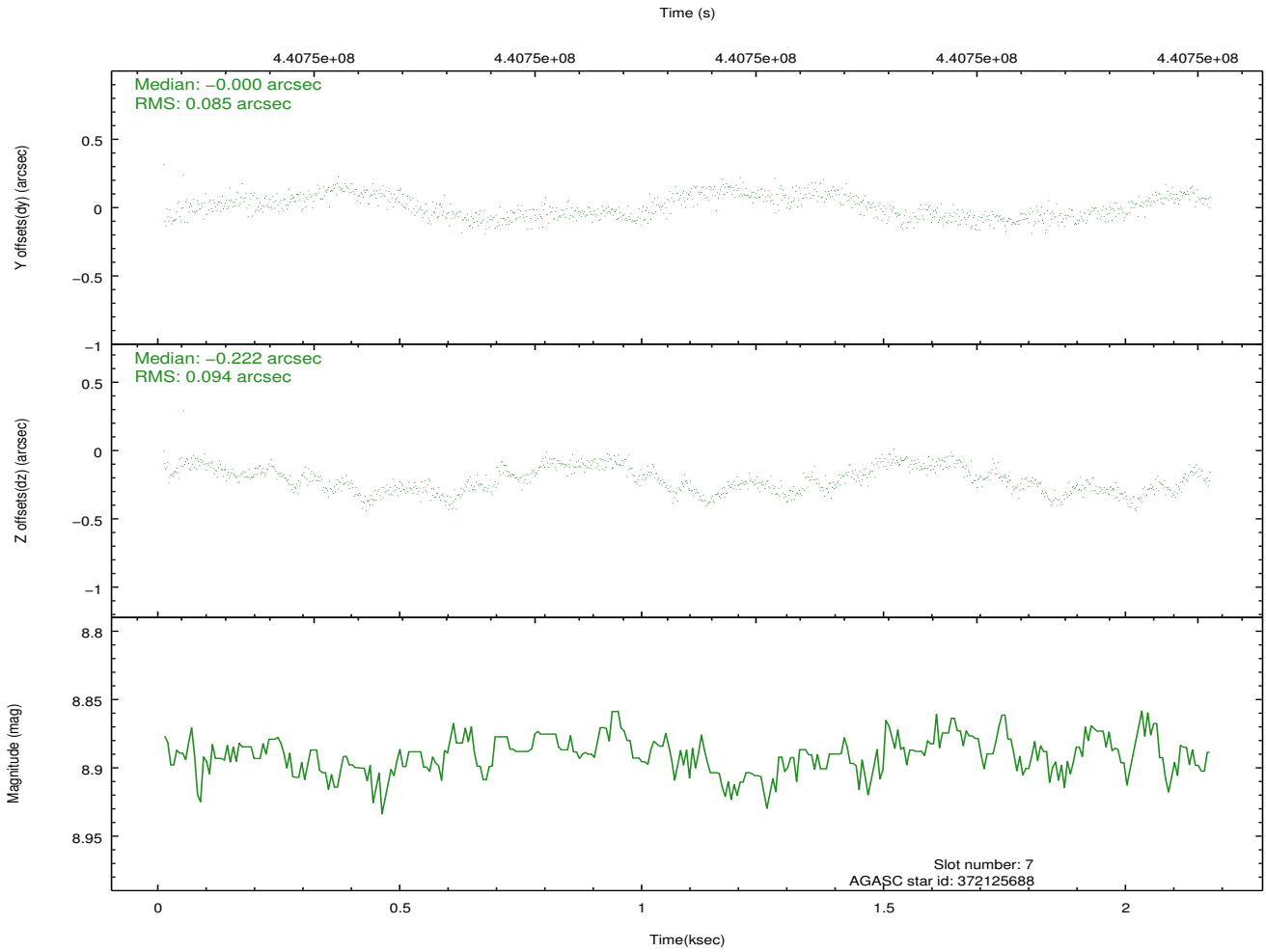
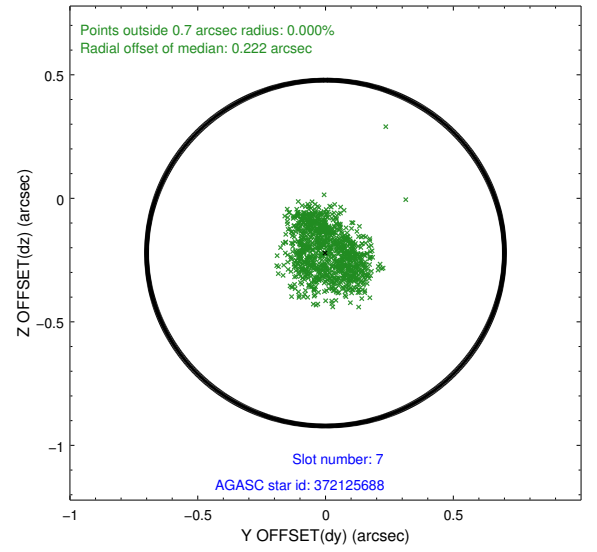
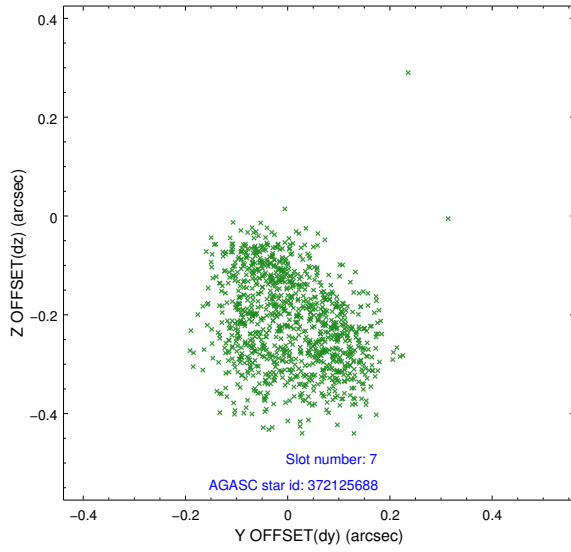
### 2.4.3 Slot 5



## 2.4.4 Slot 6

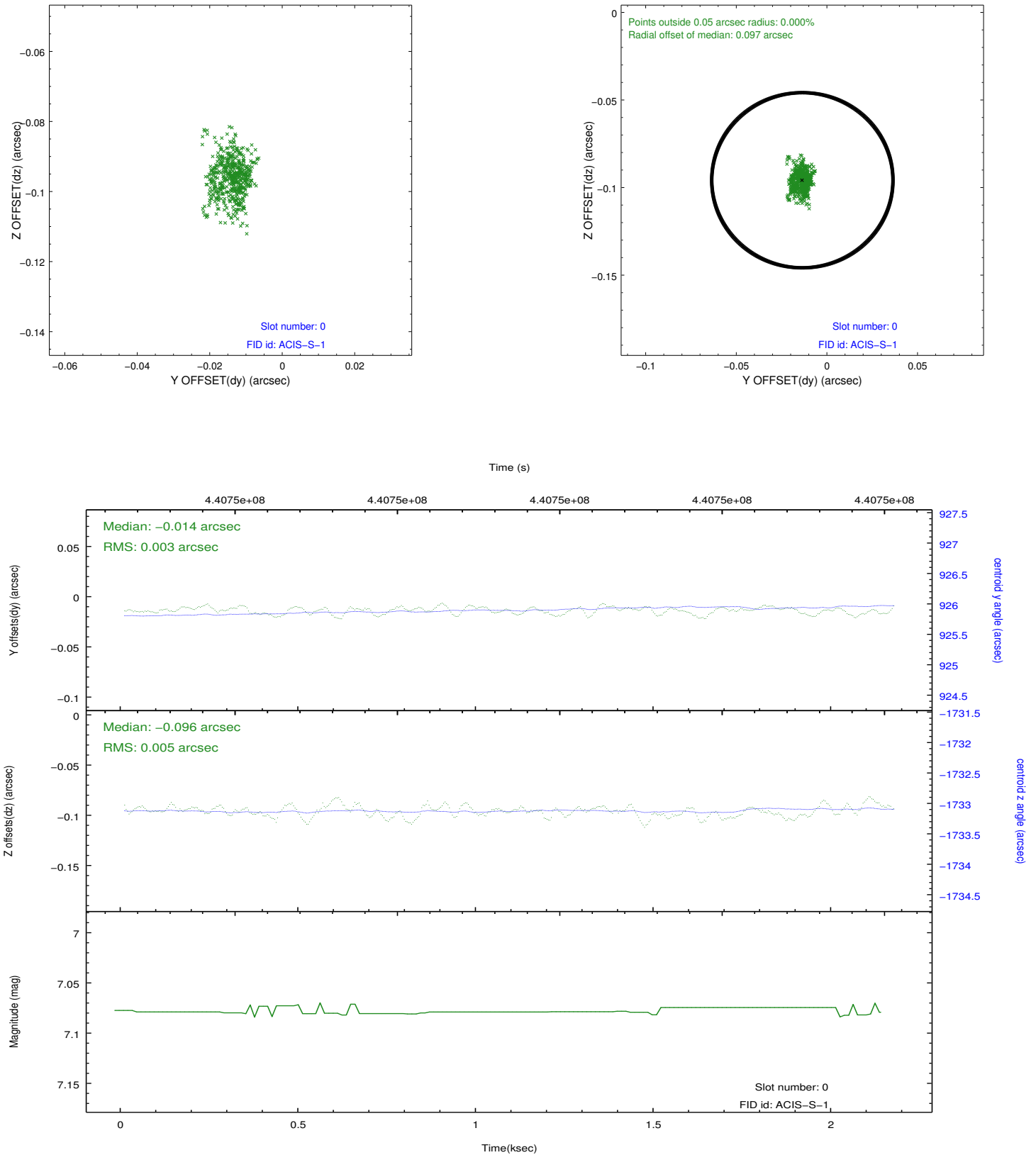


## 2.4.5 Slot 7

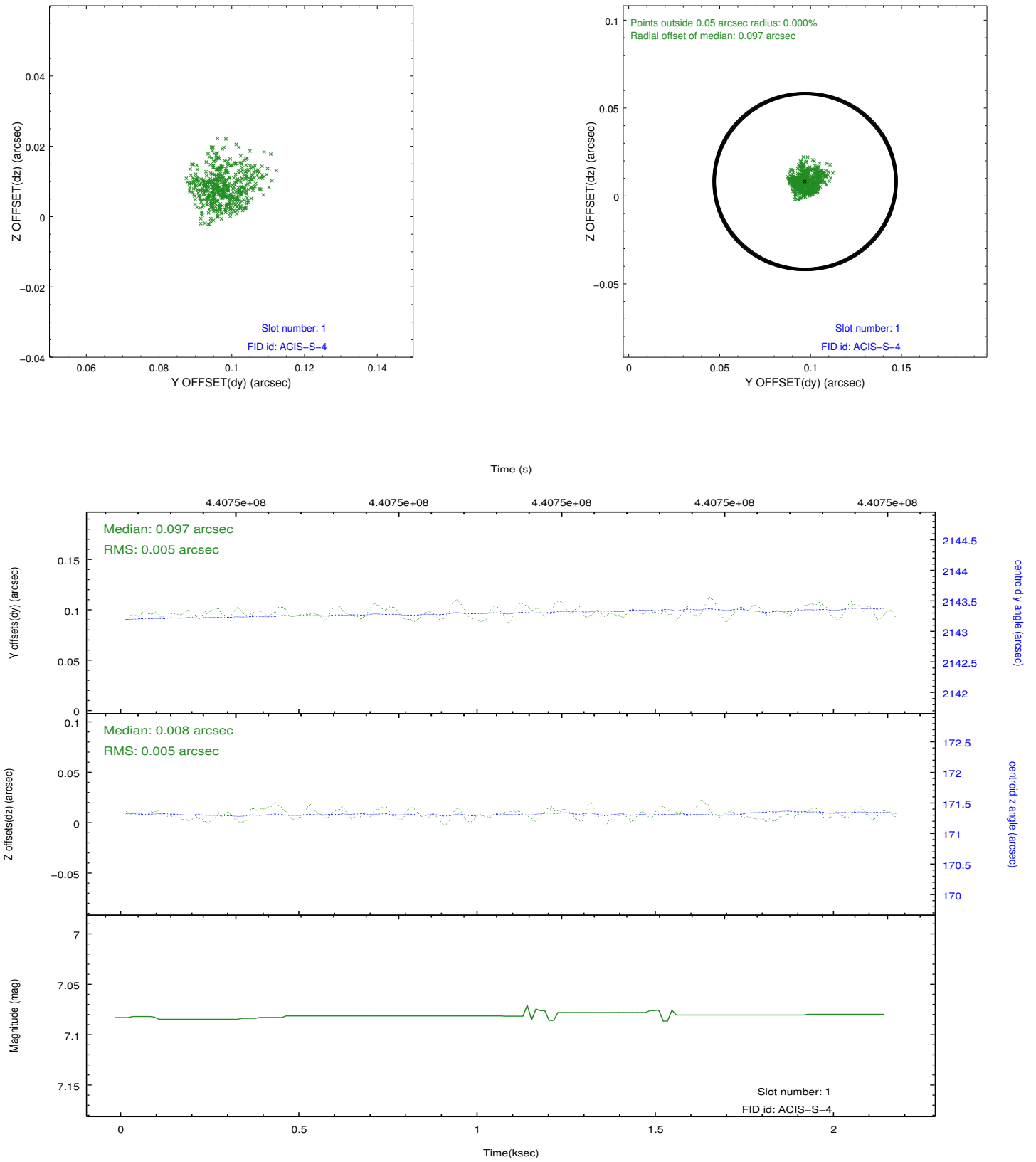


## 2.5 FID Slots

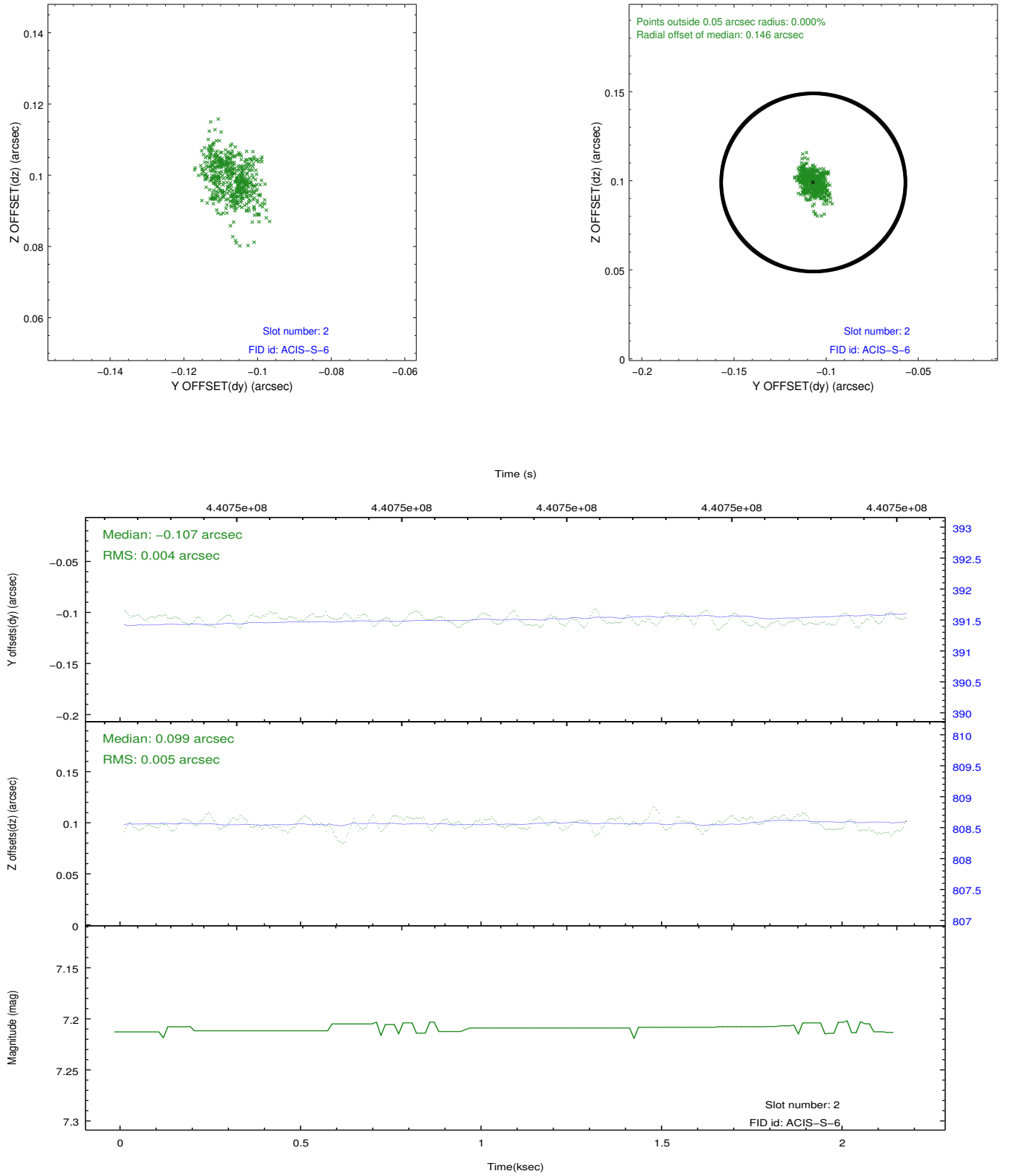
### 2.5.1 Slot 0



## 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	2.0103998801708

### A.2 Comments