

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3124 - L2 Version 3  
Chandra X-Ray Center

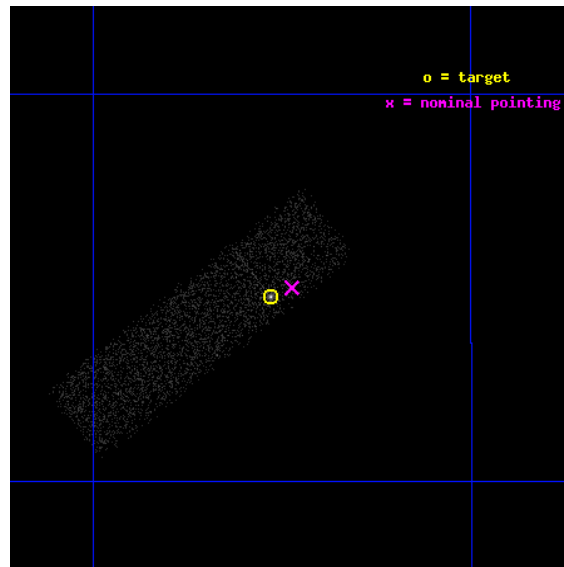
L2 Processing Date : Oct 8 2012

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# 1 Front

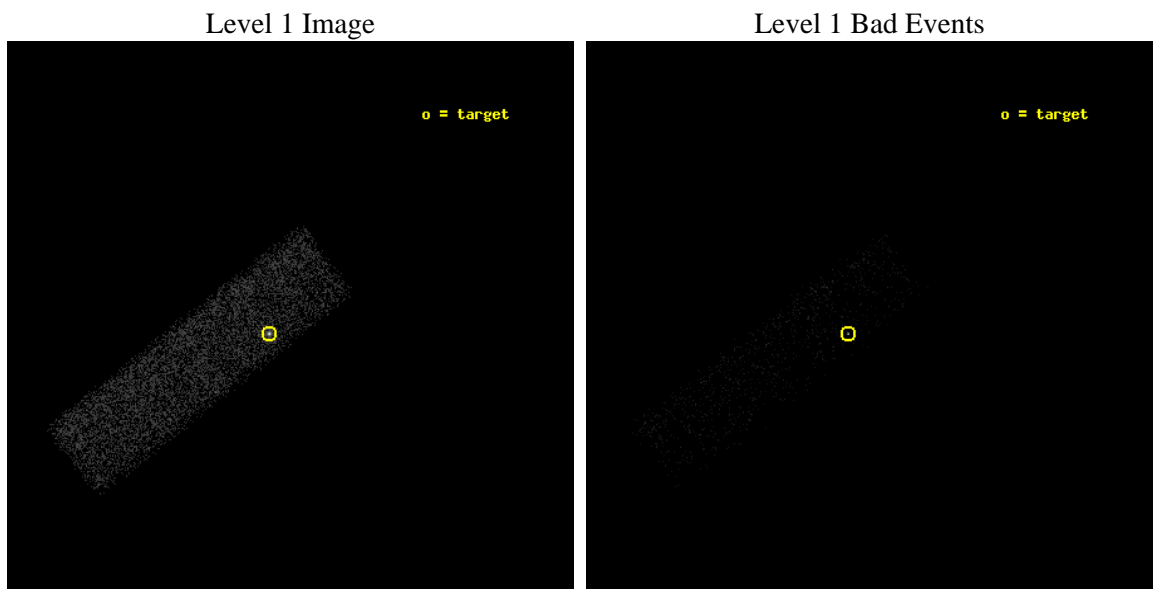
seq_num	700563	Sequence number
obs_id	3124	Observation id
title	A COMPLETE SURVEY FOR X-RAY EMISSION FROM RADIO JETS	Proposal titl
observer	Dr. Herman Marshall	Principal investigator
object	1828+487	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	277.3825	Observer's specified target RA [deg]
dec_targ	48.746278	Observer's specified target Dec [deg]
ra_nom	277.36861318622	Nominal RA [deg]
dec_nom	48.750008777876	Nominal Dec [deg]
roll_nom	141.78079222922	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5602.4000834823	Sum of GTIs [s]
livetime	5329.0212912416	Livetime [s]
ontime7	5602.4000834823	Sum of GTIs [s]
l2events	7685	Number of level 2 events



## 2 OBI

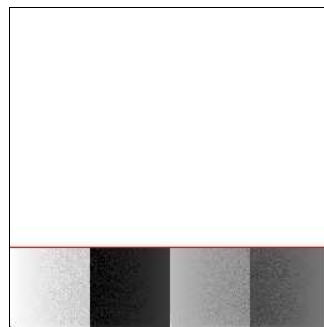
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5602.4000834823	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime7	5602.4000834823	Sum of GTIs [s]
date	2012-10-08T05:40:56	Date and time of file creation	l1events	14964	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	14964
rejected events	7136
rejected %	47%

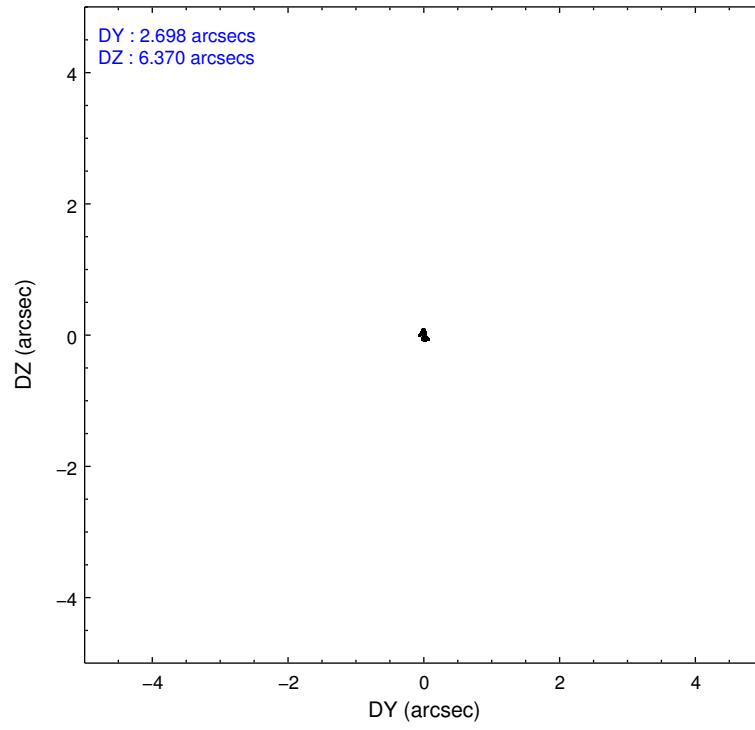
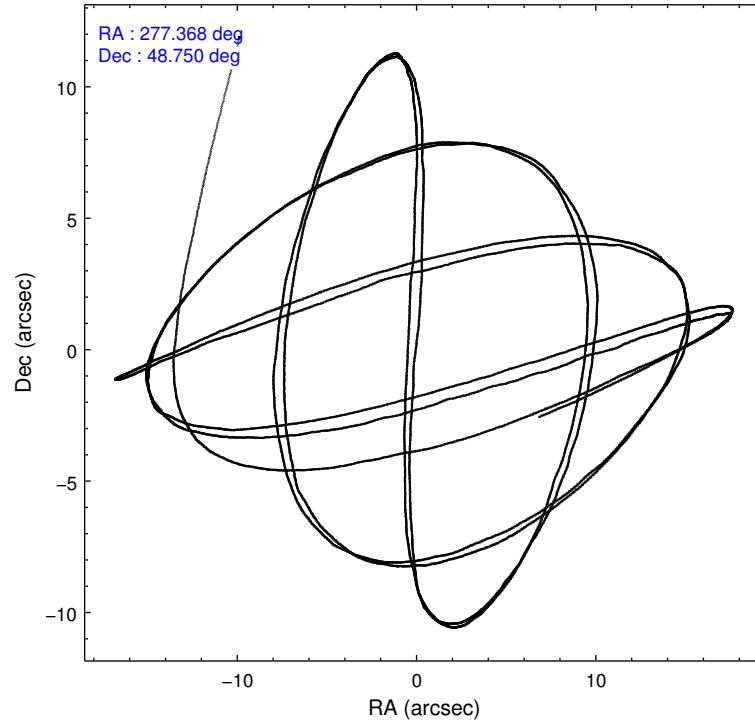
	<b>ccd 7</b>
grade 0 events	1187
	7%
grade 1 events	41
	0%
grade 2 events	1689
	11%
grade 3 events	921
	6%
grade 4 events	925
	6%
grade 5 events	1167
	7%
grade 6 events	3394
	22%
grade 7 events	5640
	37%

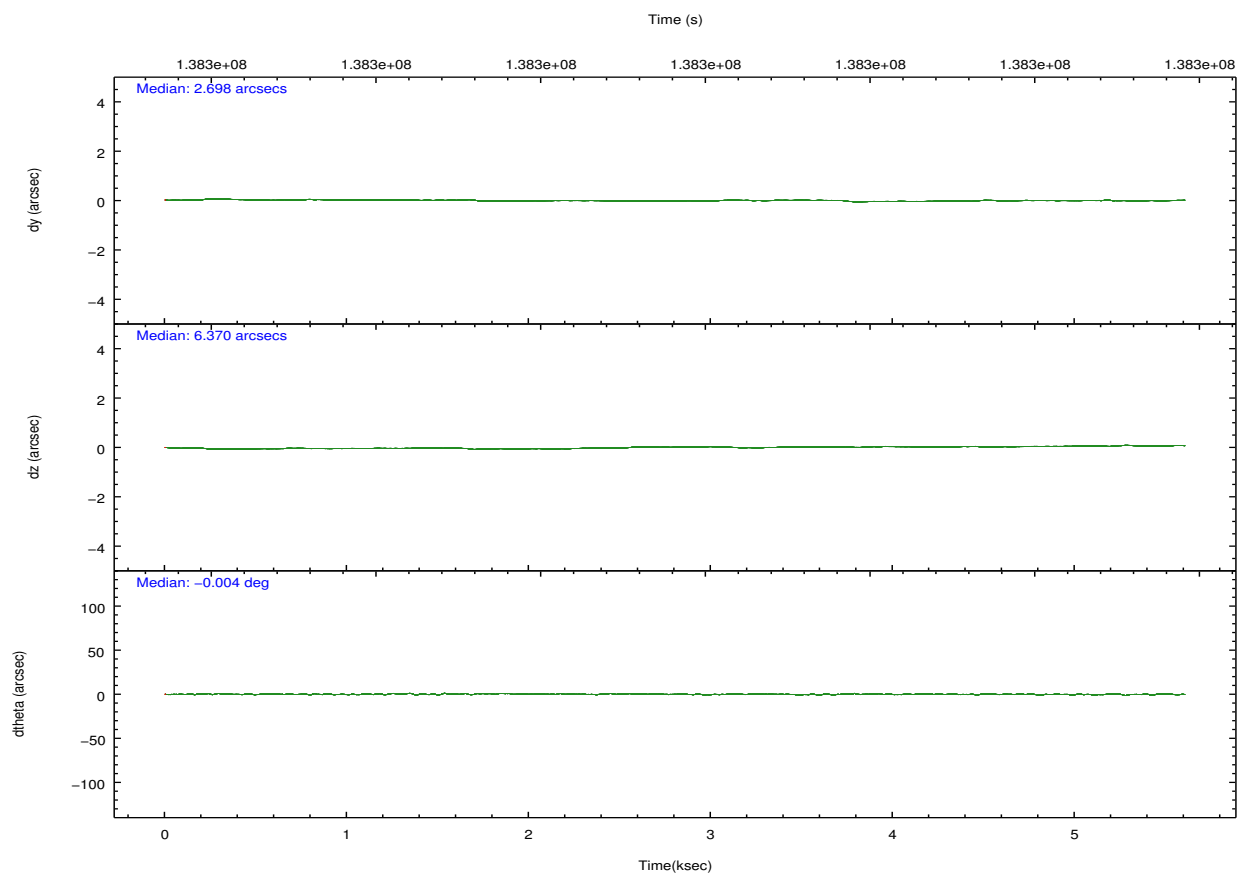
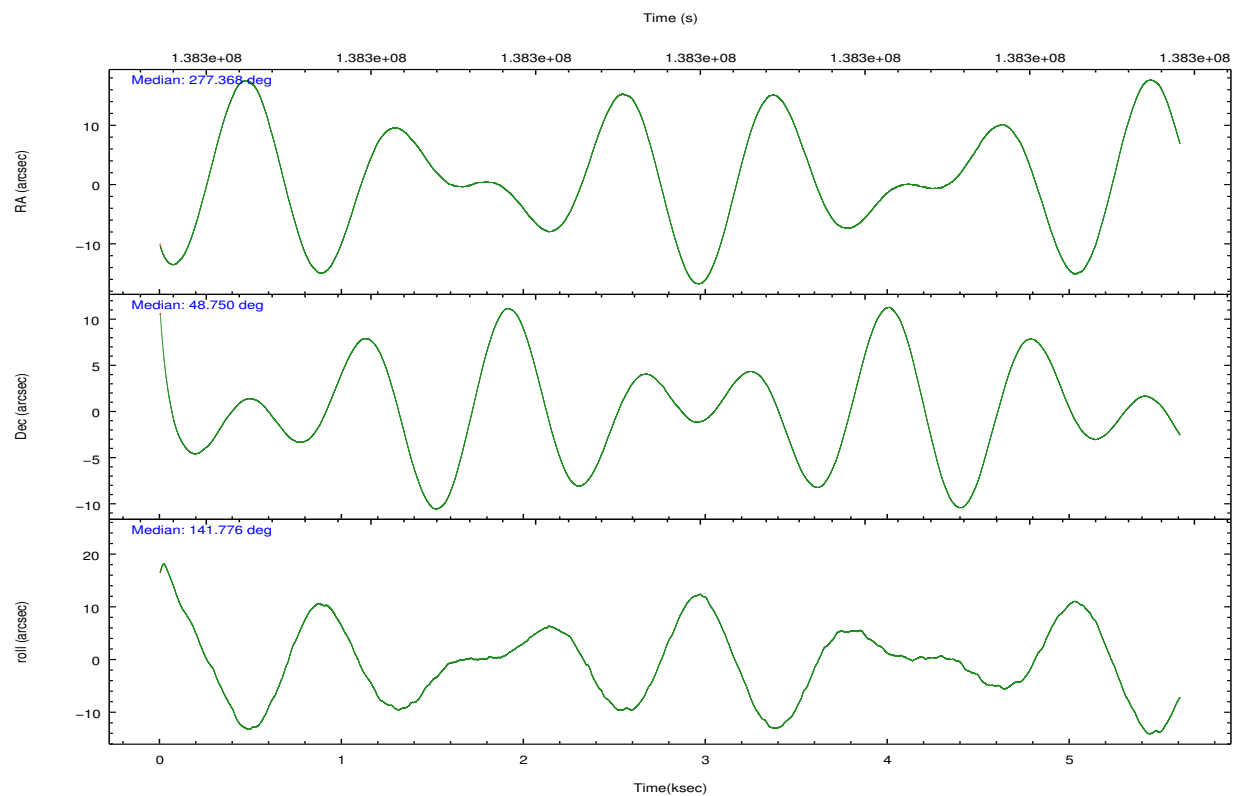
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	277.409512	277.3686131862209
[deg] Pointing Dec	48.746482	48.7500087778755
[deg] Pointing Roll	141.593390	141.7807922292164
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-178.632523	-178.6370735452349
[mm] SIM translation stage offset	-11.5	-11.49544903777291
[s] Observation start time (MET)	138297616.184000	138296447.4629
Observation start date	2002-05-20T15:59:12	2002-05-20T15:40:47
[s] Observation end time (MET)	138302616.184000	138303024.88816
Observation end date	2002-05-20T17:22:32	2002-05-20T17:30:24
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/4
Subarray start row	1	1
Subarray row count	256	256
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.8

## 2.3 Aspect



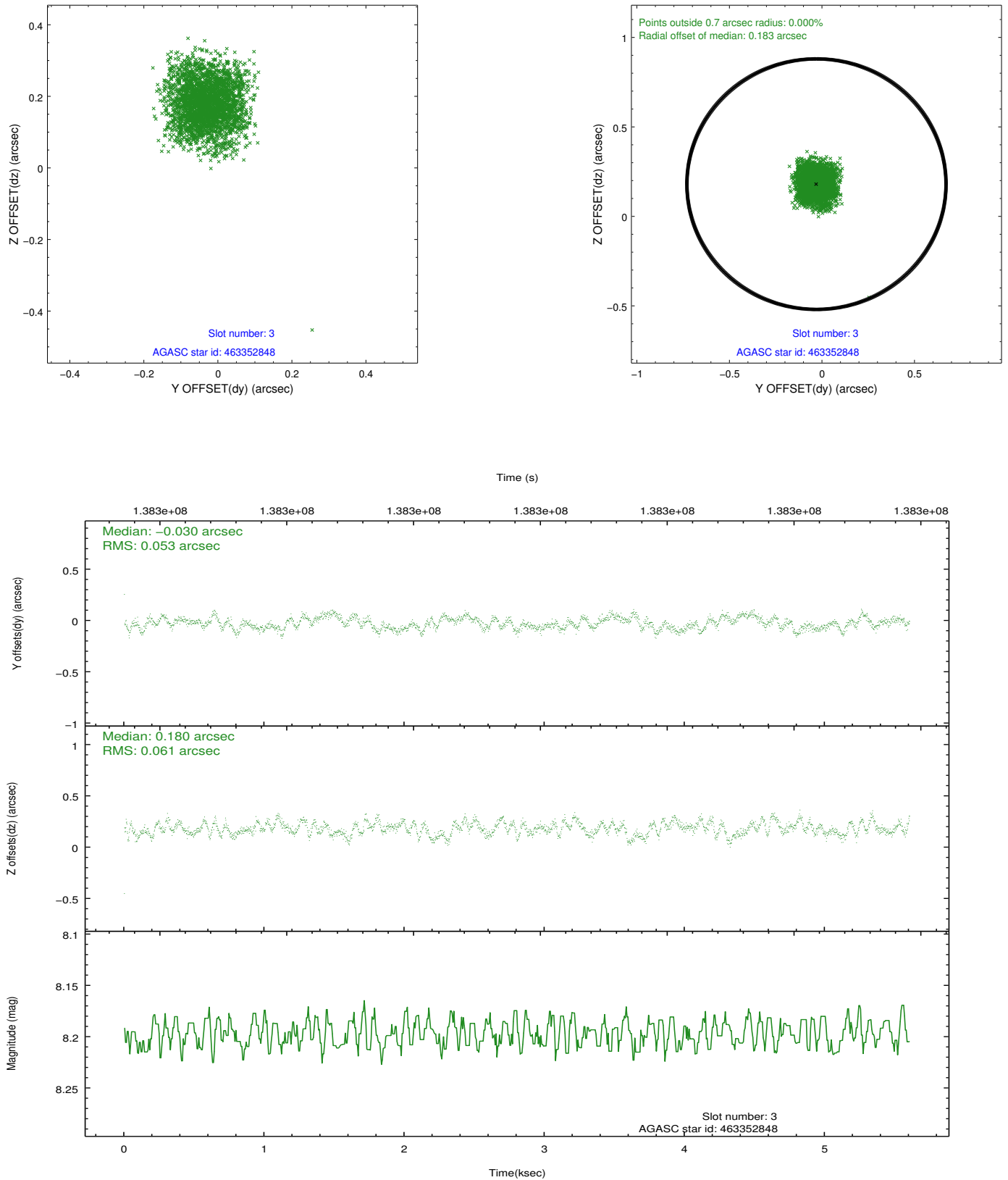


### Slot Statistics

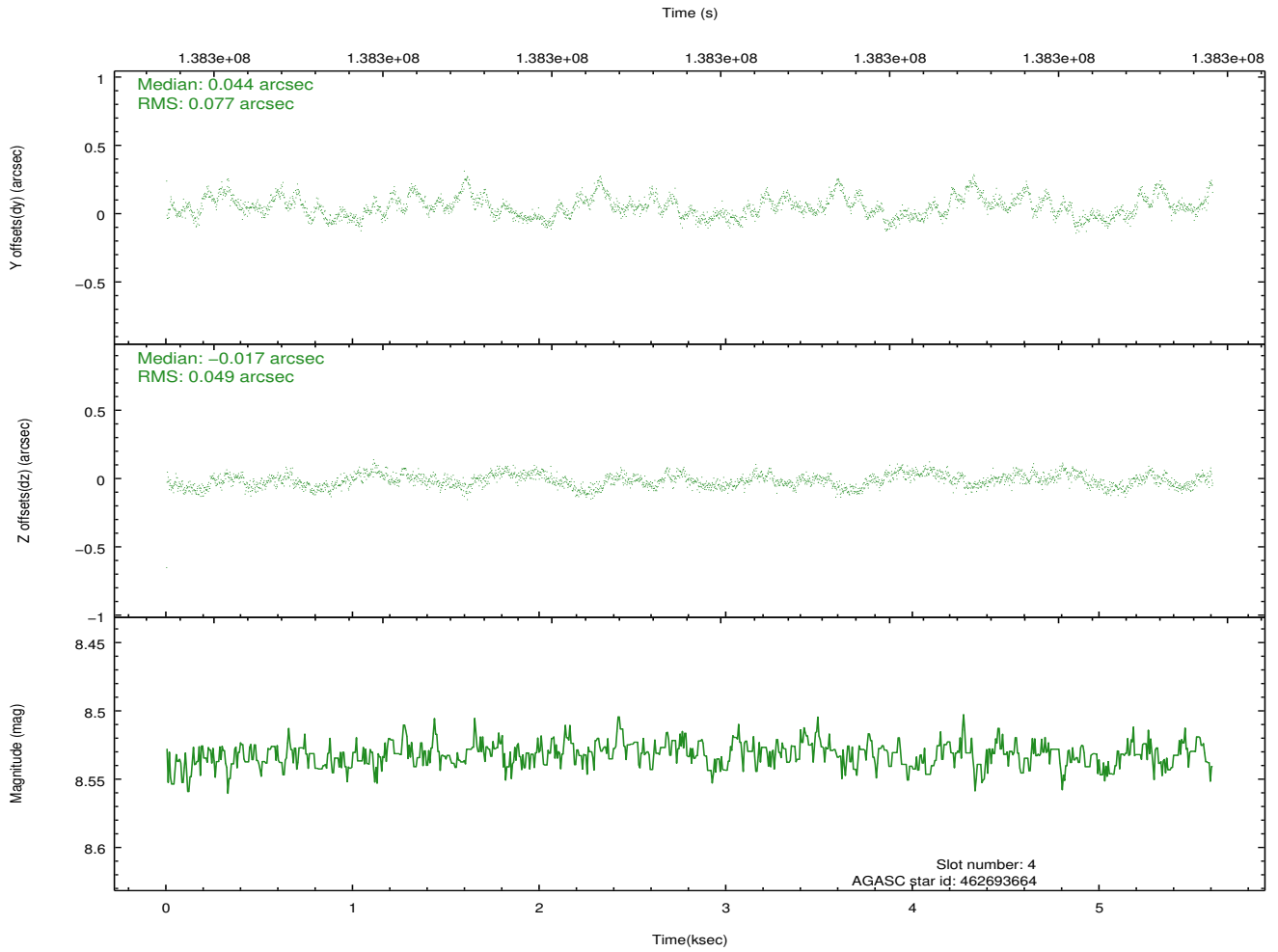
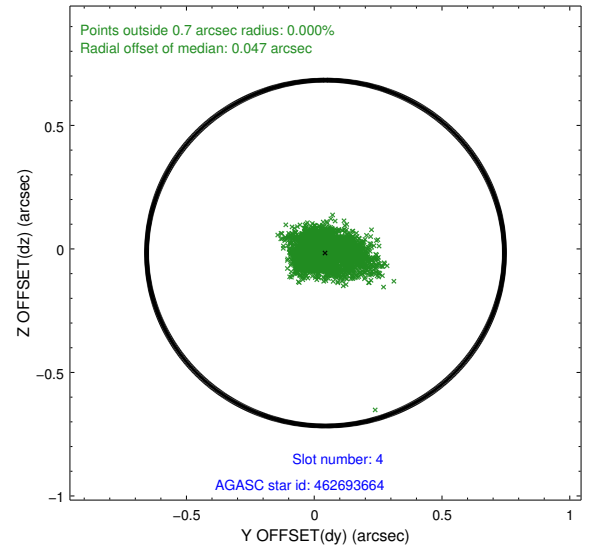
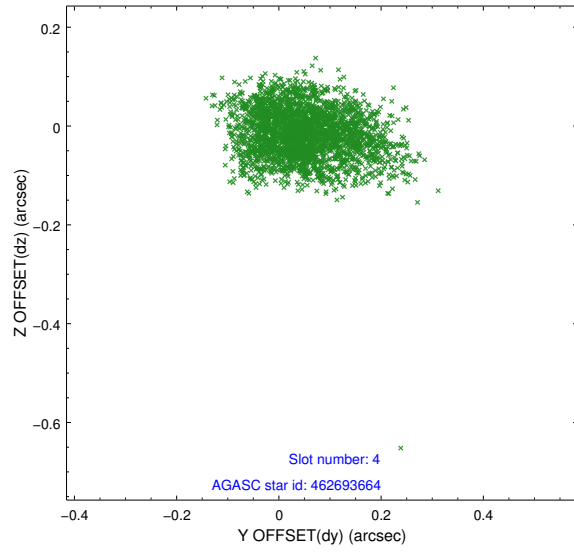
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1368	-0.057	-0.324	0.007	0.012	0.000000	0.000000	-754.54	-1964.47
1	FID	ACIS-S-4	7.17	1368	0.003	0.114	0.006	0.011	0.000000	0.000000	2158.32	-56.85
2	FID	ACIS-S-5	7.22	1368	0.023	0.218	0.006	0.012	0.000000	0.000000	-1805.92	-61.86
3	GUIDE	463352848	8.20	2735	-0.030	0.180	0.086	0.134	278.455993	49.051196	-1242.87	-2405.96
4	GUIDE	462693664	8.53	2735	0.044	-0.017	0.096	0.158	277.641210	48.297994	-1438.16	919.44
5	GUIDE	462704928	8.83	2734	0.079	-0.040	0.081	0.130	277.899657	48.209406	-2121.09	782.40
6	GUIDE	462689648	8.97	2734	0.039	-0.111	0.237	0.329	277.542195	48.604659	-565.57	204.40
7	GUIDE	462686016	9.17	2732	-0.122	-0.012	0.109	0.177	276.656953	48.488491	834.89	1837.13

## 2.4 Star Slots

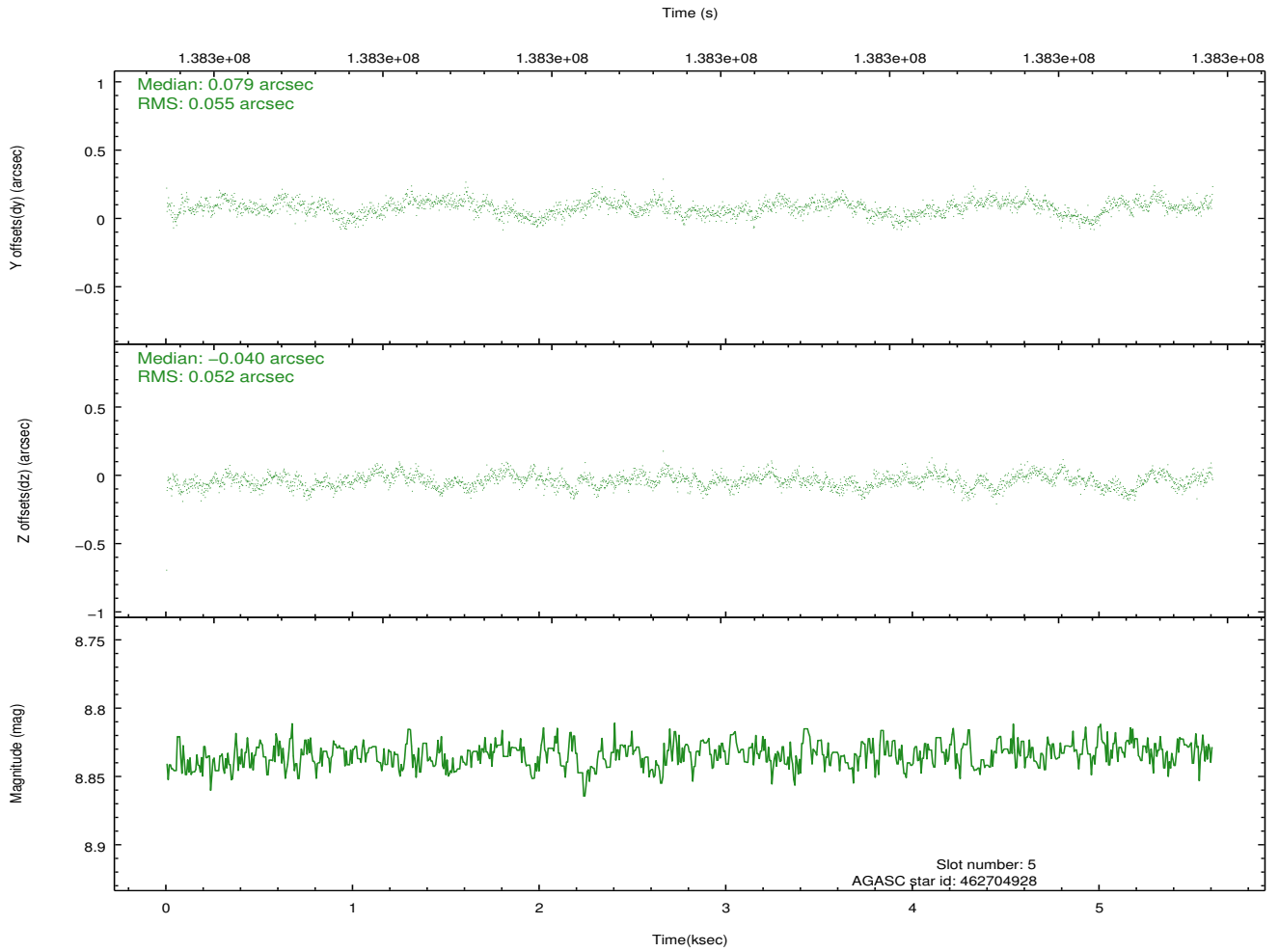
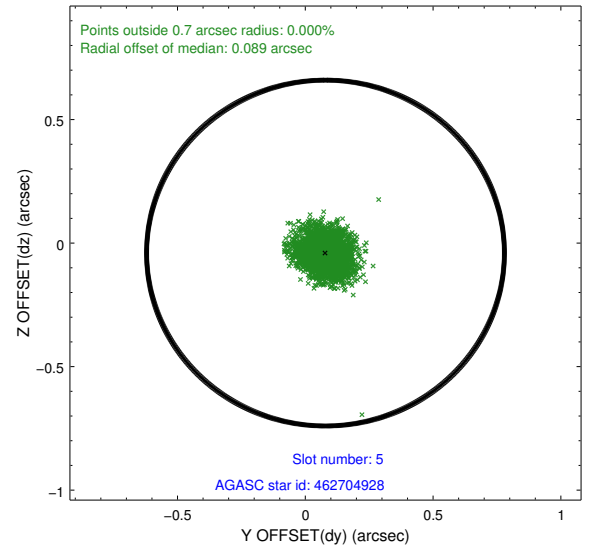
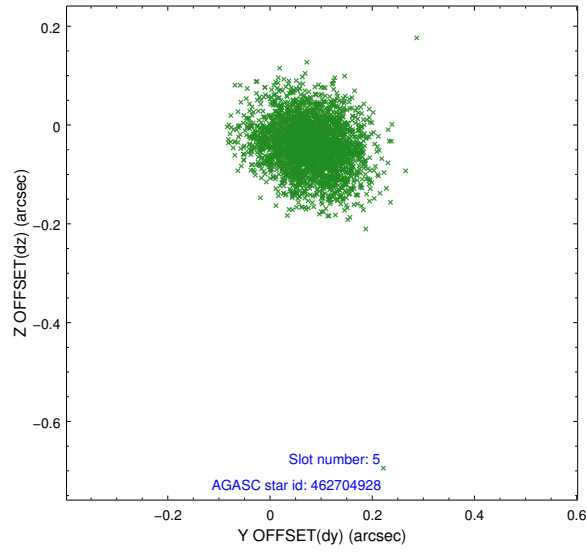
### 2.4.1 Slot 3



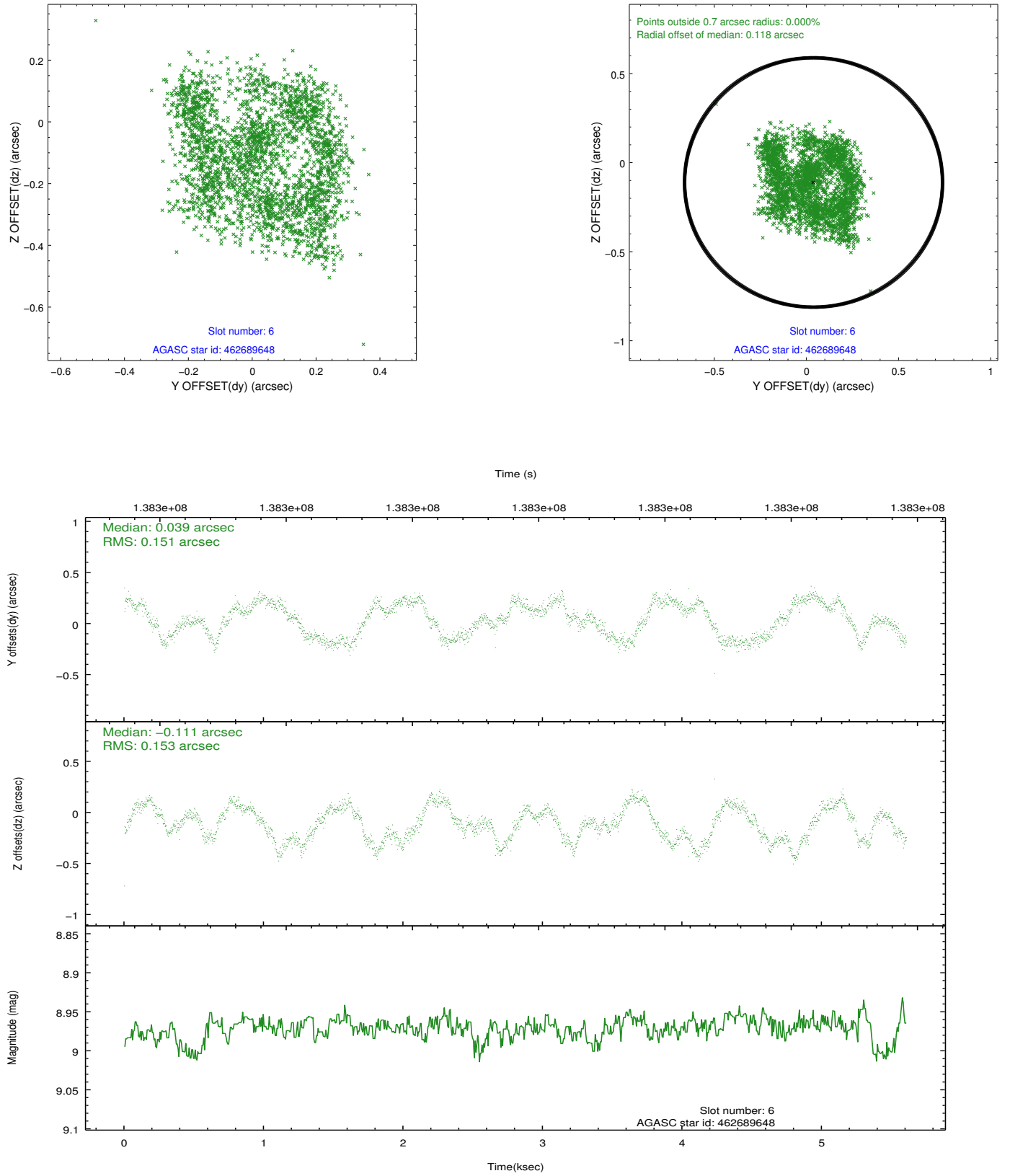
## 2.4.2 Slot 4



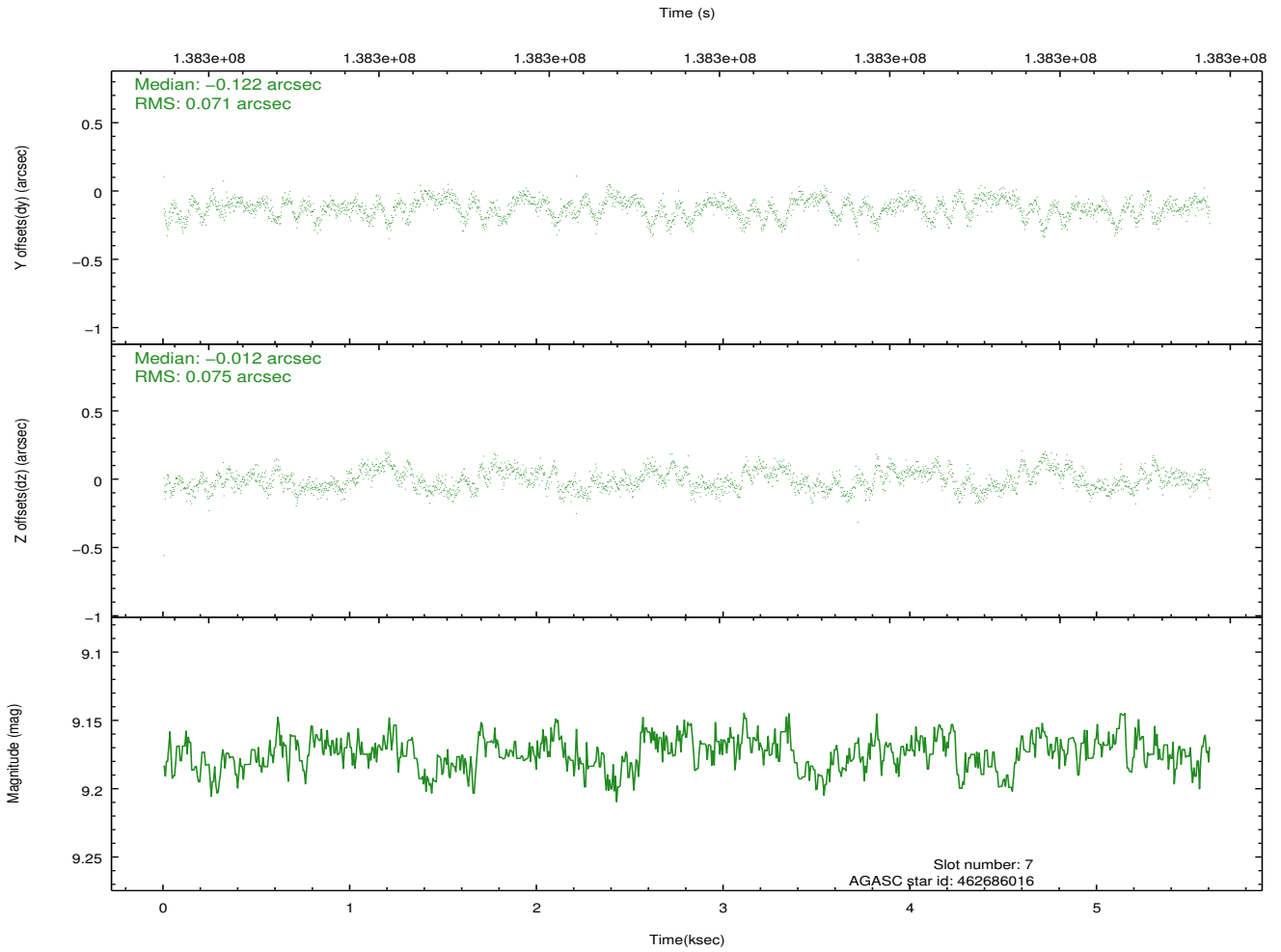
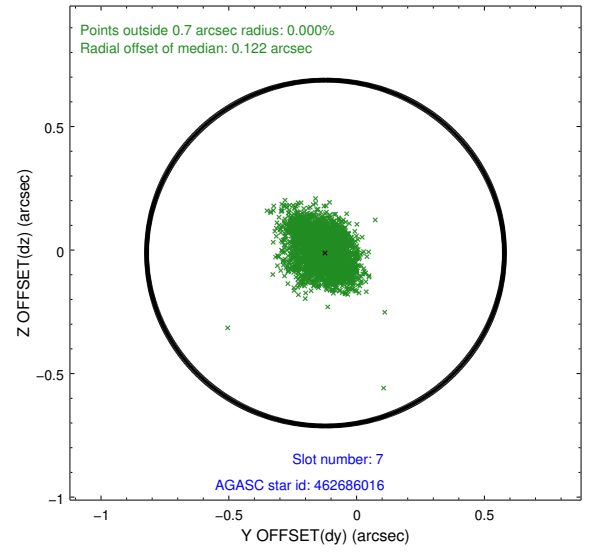
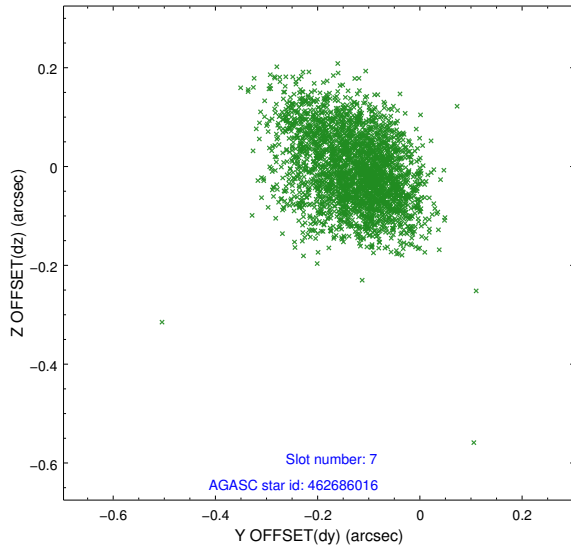
### 2.4.3 Slot 5



## 2.4.4 Slot 6

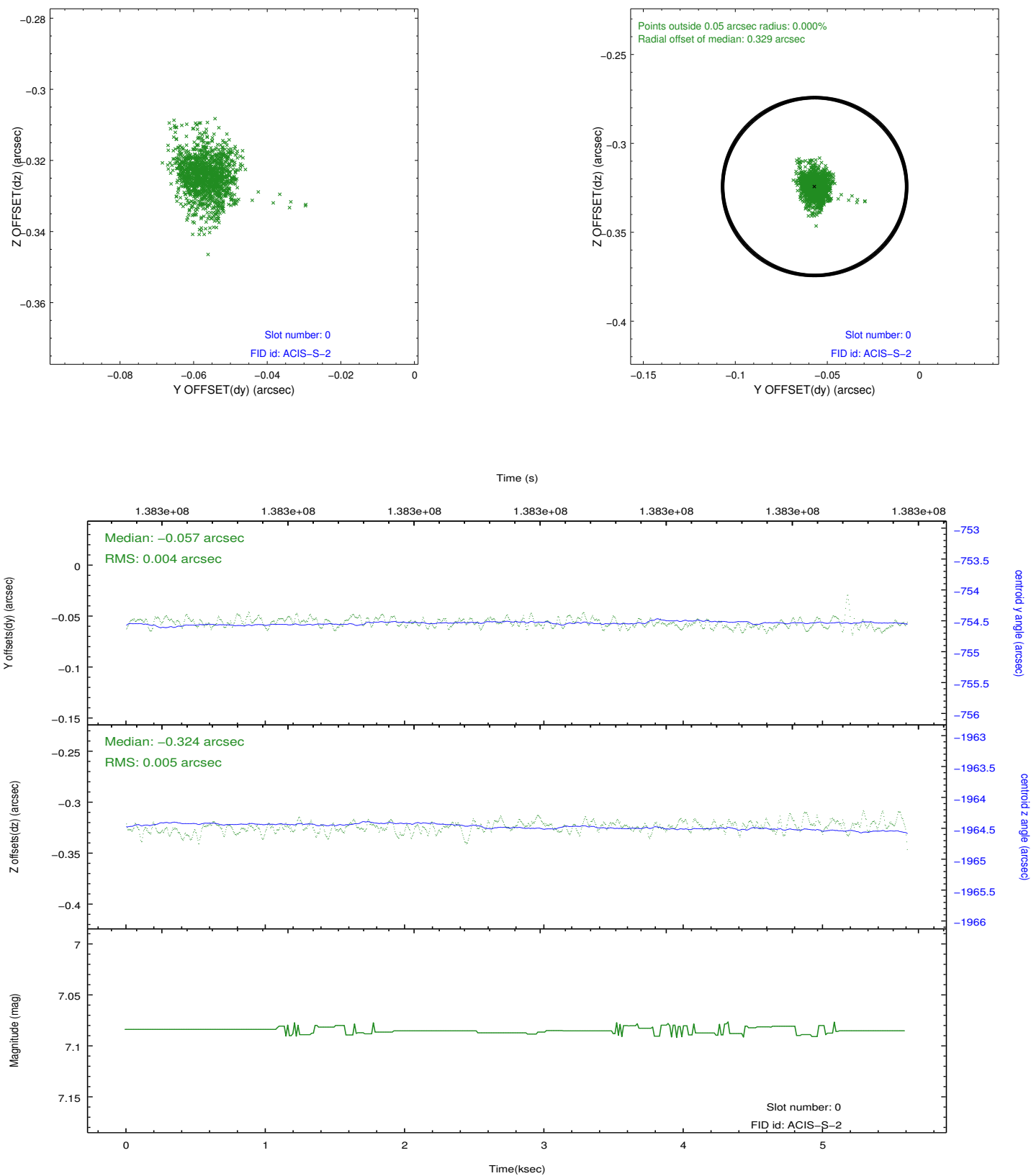


## 2.4.5 Slot 7

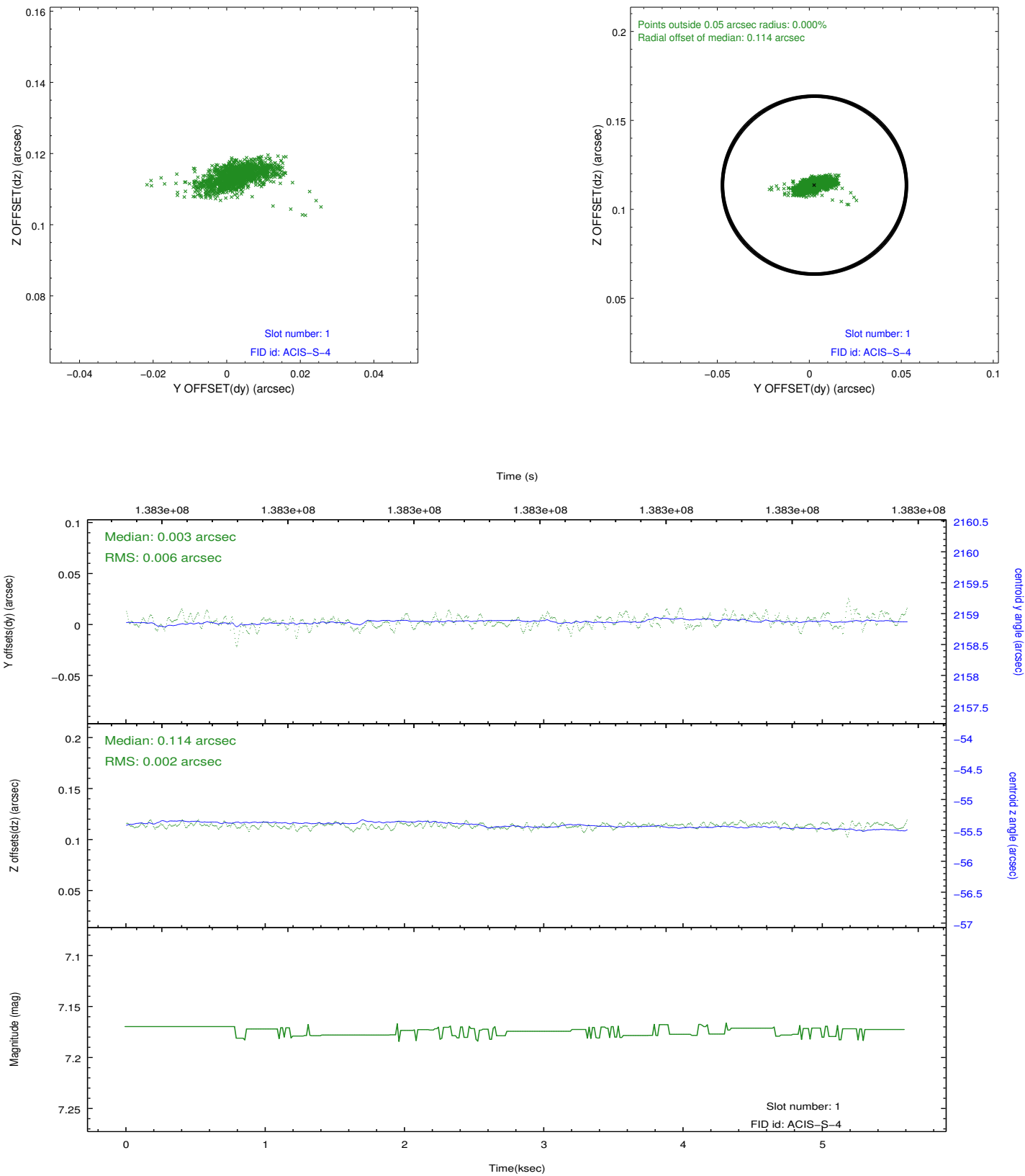


## 2.5 FID Slots

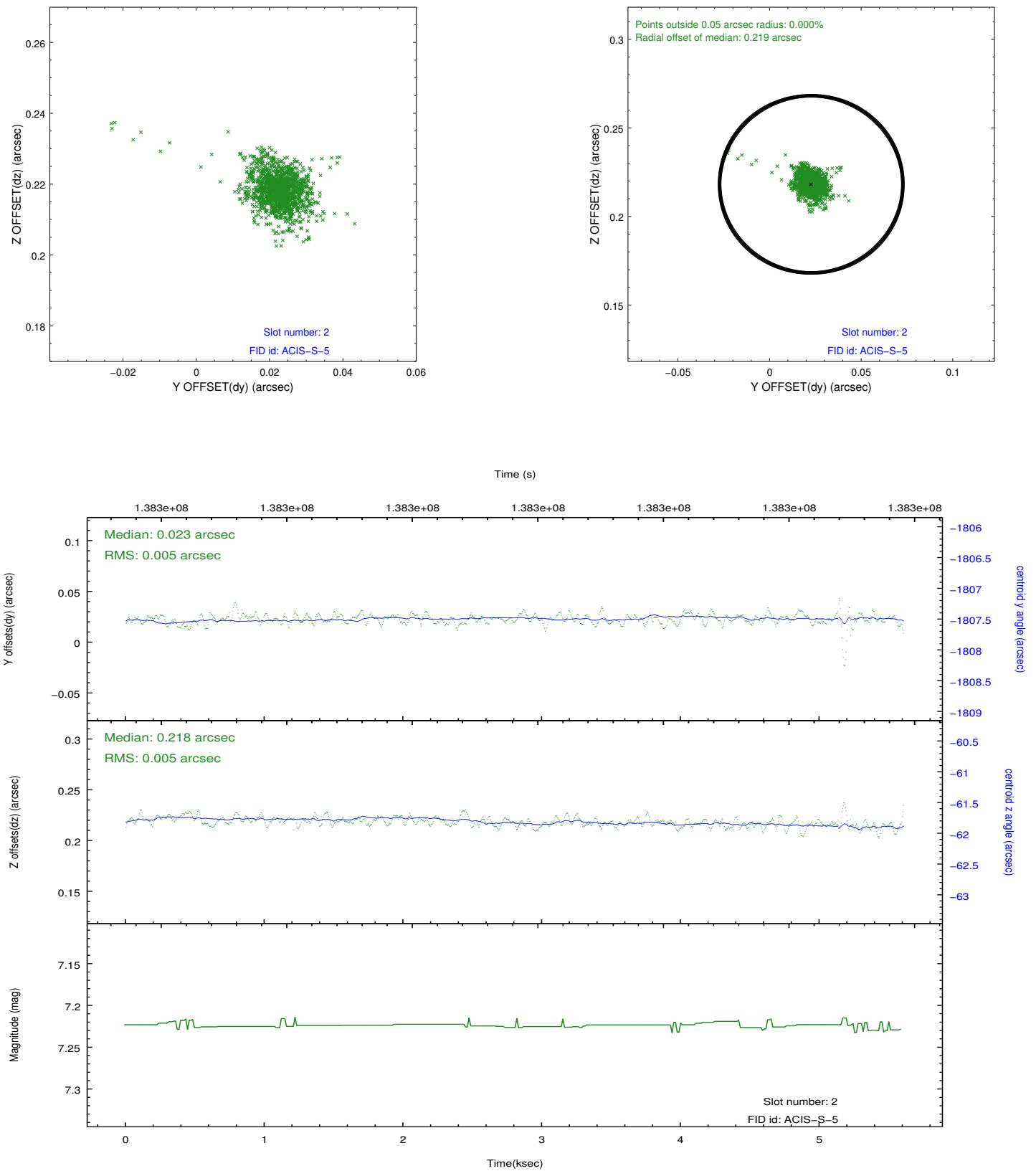
### 2.5.1 Slot 0



## 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)	2012.10.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.602

### A.2 Comments

Roll preference met.