

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9279 - L2 Version 2  
Chandra X-Ray Center

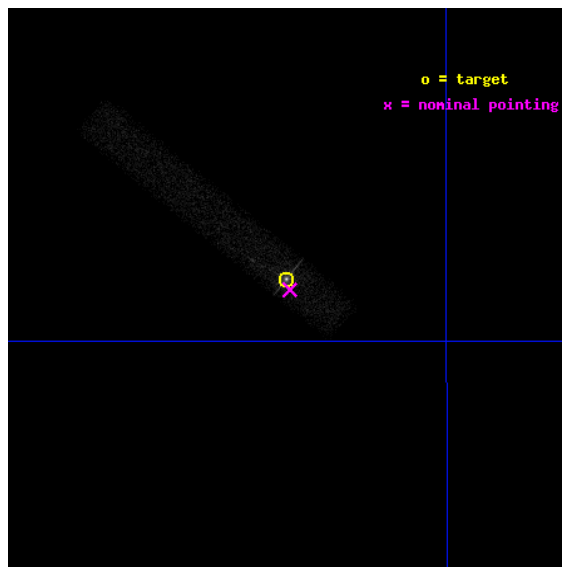
L2 Processing Date : May 25 2012

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# 1 Front

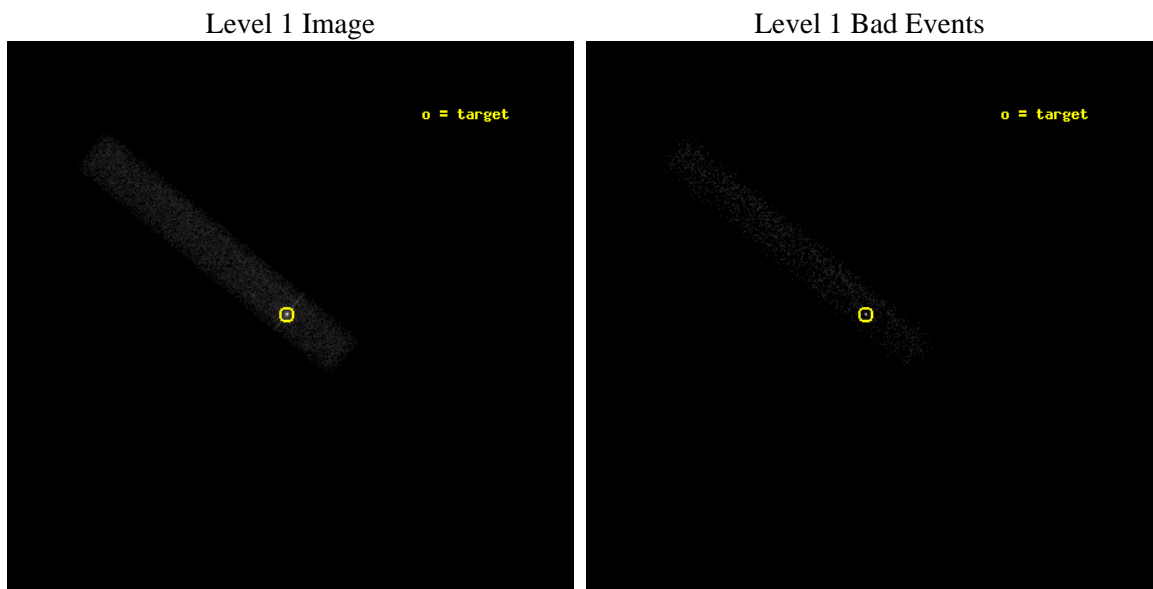
seq_num	701719	Sequence number
obs_id	9279	Observation id
title	Surveying X-ray Jets in Superluminal Blazars	Proposal title
observer	Dr. Matthew Lister	Principal investigator
object	0415+379	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	64.58875	Observer's specified target RA [deg]
dec_targ	38.026611	Observer's specified target Dec [deg]
ra_nom	64.58675905366	Nominal RA [deg]
dec_nom	38.02198854111	Nominal Dec [deg]
roll_nom	219.15782551768	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10144.799395323	Sum of GTIs [s]
livetime	9200.7975651395	Livetime [s]
ontime7	10144.799395323	Sum of GTIs [s]
l2events	25852	Number of level 2 events



## 2 OBI

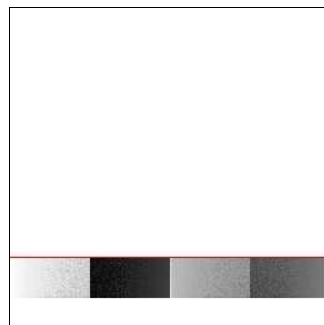
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10144.799395323	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime7	10144.799395323	Sum of GTIs [s]
date	2012-05-25T19:02:41	Date and time of file creation	l1events	43252	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	43252
rejected events	17162
rejected %	39%

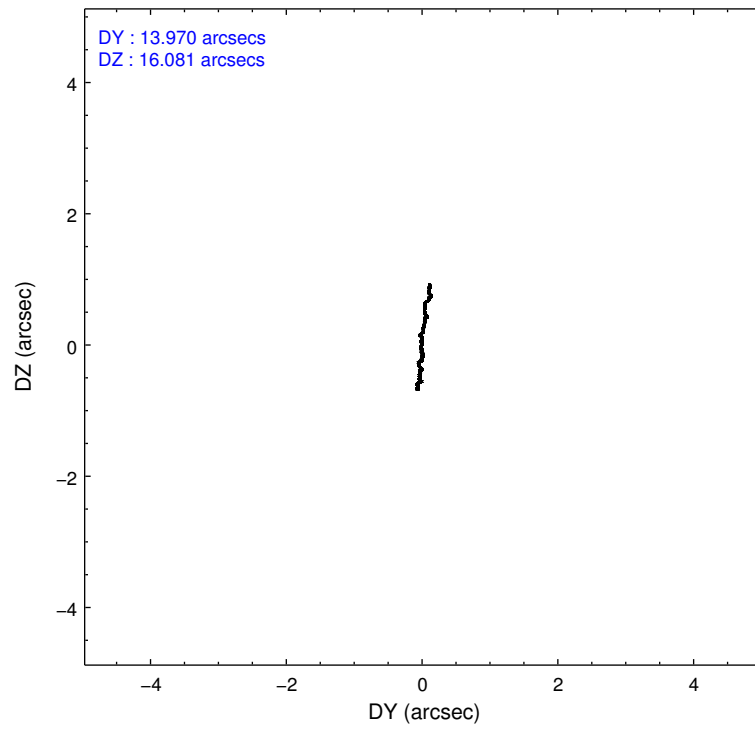
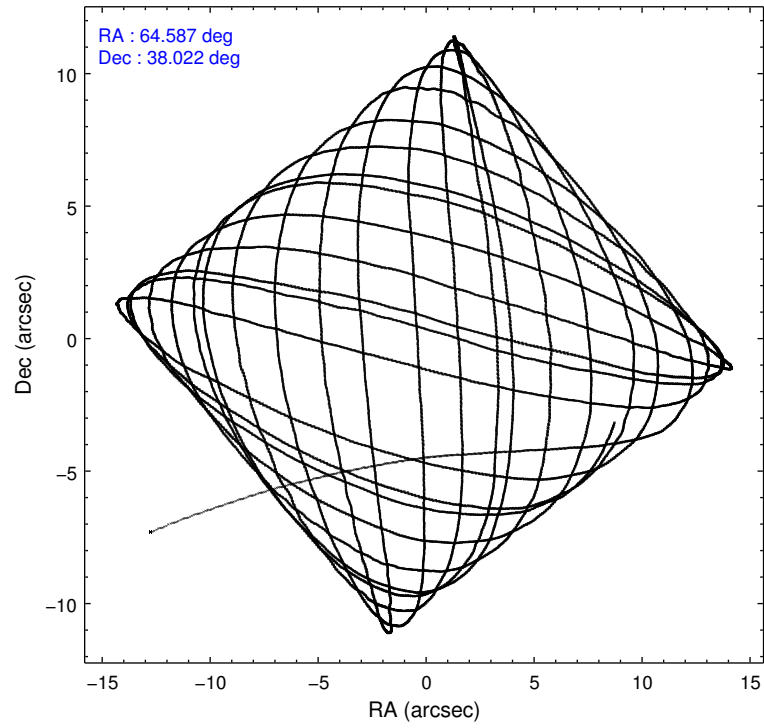
	<b>ccd 7</b>
grade 0 events	3550
	8%
grade 1 events	270
	0%
grade 2 events	5737
	13%
grade 3 events	2862
	6%
grade 4 events	2900
	6%
grade 5 events	3417
	7%
grade 6 events	12223
	28%
grade 7 events	12293
	28%

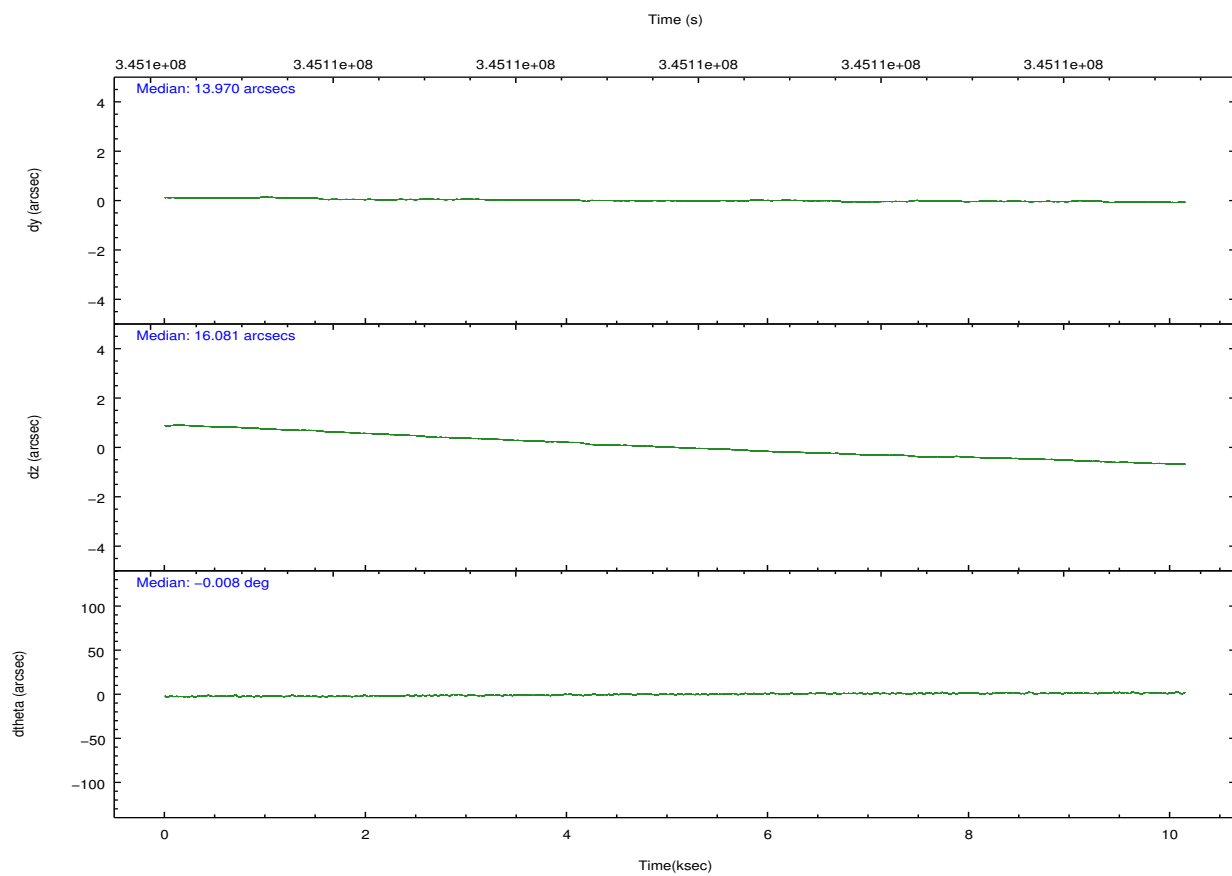
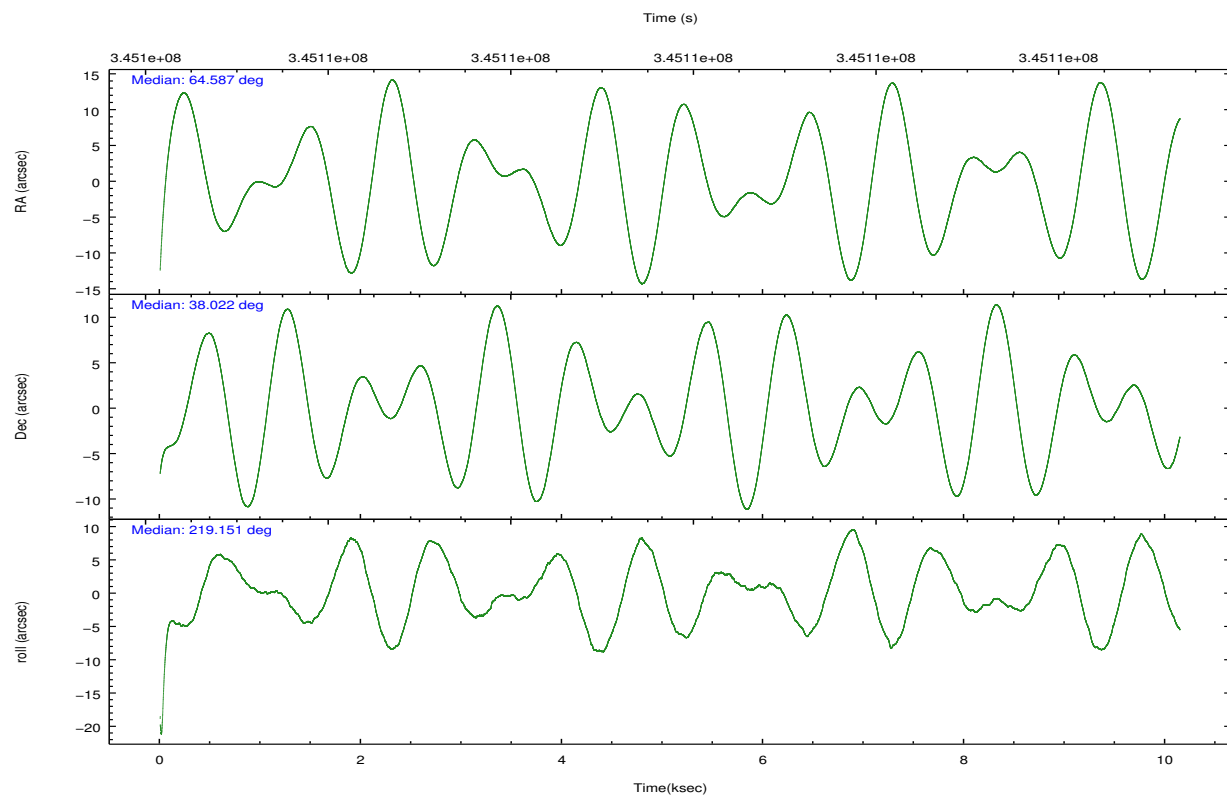


## 2.2 Compared Parameters

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	64.598636	64.58675905366007	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	38.047713	38.02198854110993	Subarray start row	100	100
[deg] Pointing Roll	218.993914	219.157825517681	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	-181.422523	-181.4329921605696			
[mm] SIM translation stage offset	-8.710000000000001	-8.699530422438215			
[s] Observation start time (MET)	345104825.184000	345103514.23373			
Observation start date	2008-12-08T06:26:00	2008-12-08T06:05:14			
[s] Observation end time (MET)	345114825.184000	345115818.84684			
Observation end date	2008-12-08T09:12:40	2008-12-08T09:30:18			
Read mode	TIMED	TIMED			

## 2.3 Aspect



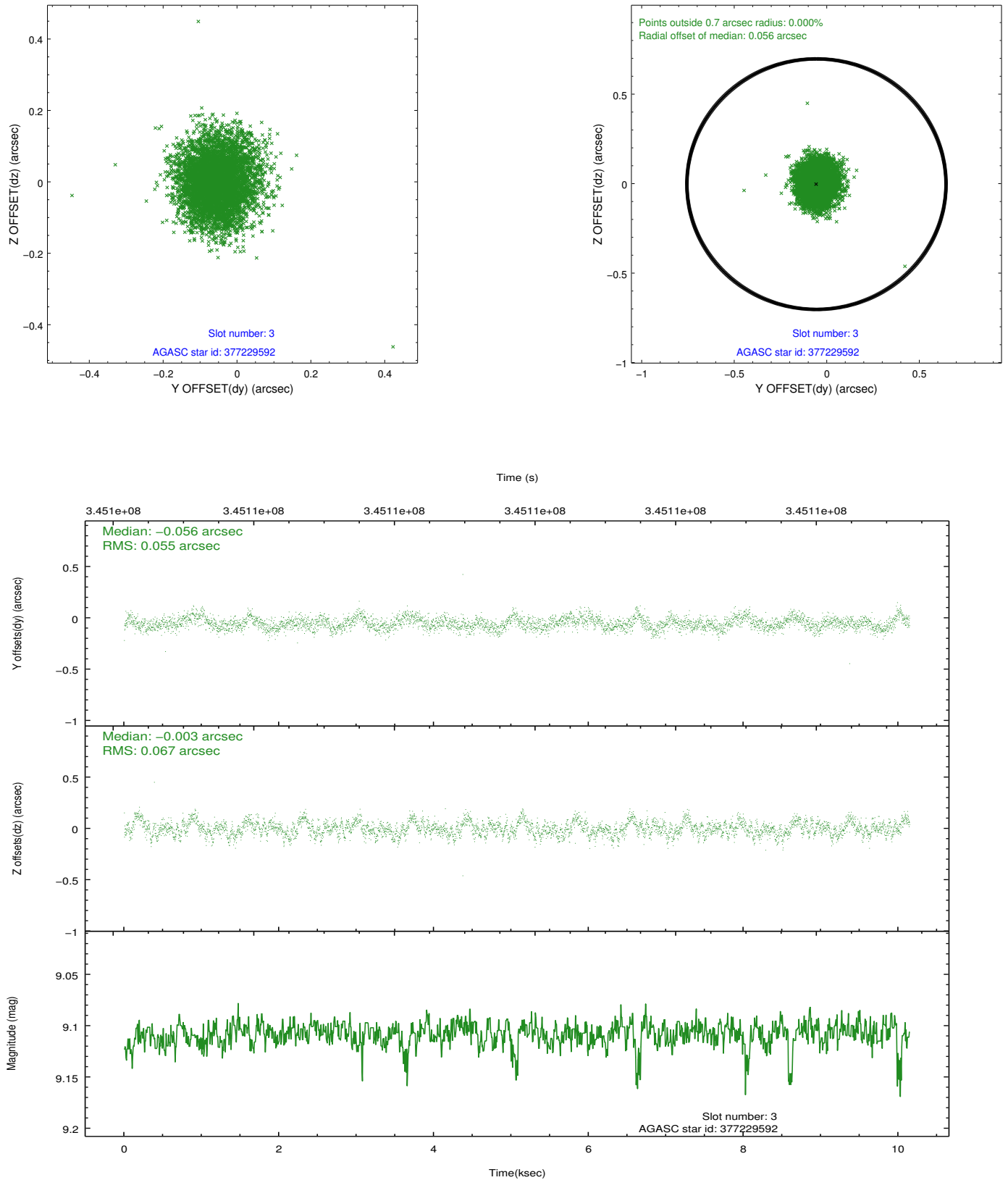


### Slot Statistics

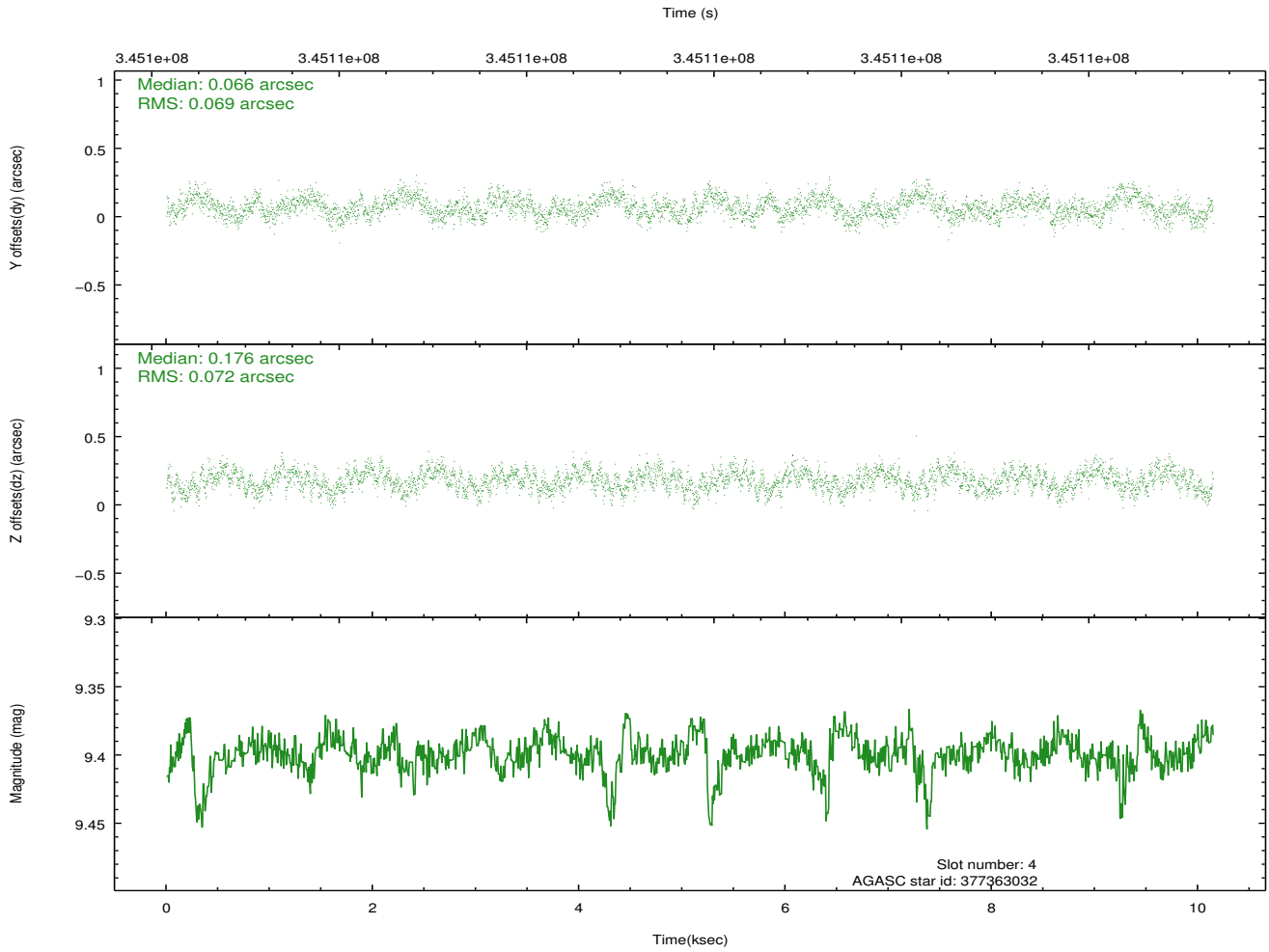
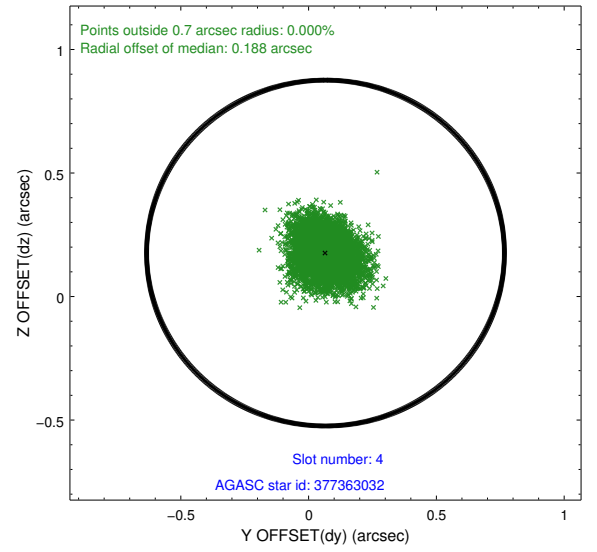
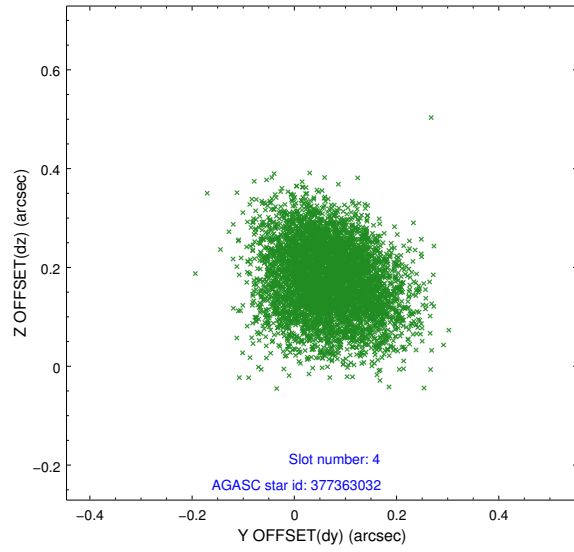
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.95	2474	0.083	0.116	0.014	0.033	0.000000	0.000000	929.91	-1912.20
1	FID	ACIS-S-2	6.86	2475	-0.167	-0.103	0.028	0.048	0.000000	0.000000	-765.96	-1917.66
2	FID	ACIS-S-6	7.16	2475	0.063	-0.009	0.021	0.029	0.000000	0.000000	395.21	628.35
3	GUIDE	377229592	9.11	4939	-0.056	-0.003	0.091	0.148	64.771333	38.350817	-1065.28	-541.56
4	GUIDE	377363032	9.40	4946	0.066	0.176	0.108	0.168	65.027918	38.365214	-1662.59	-128.01
5	GUIDE	377232992	9.07	4945	-0.003	-0.102	0.089	0.146	63.776678	37.815935	2335.41	-830.09
6	GUIDE	377366896	8.01	4950	-0.102	-0.068	0.067	0.118	65.723283	37.951368	-2274.89	2263.34
7	GUIDE	377230968	9.54	4932	0.091	-0.004	0.115	0.193	63.500352	38.074673	2346.60	-2047.30

## 2.4 Star Slots

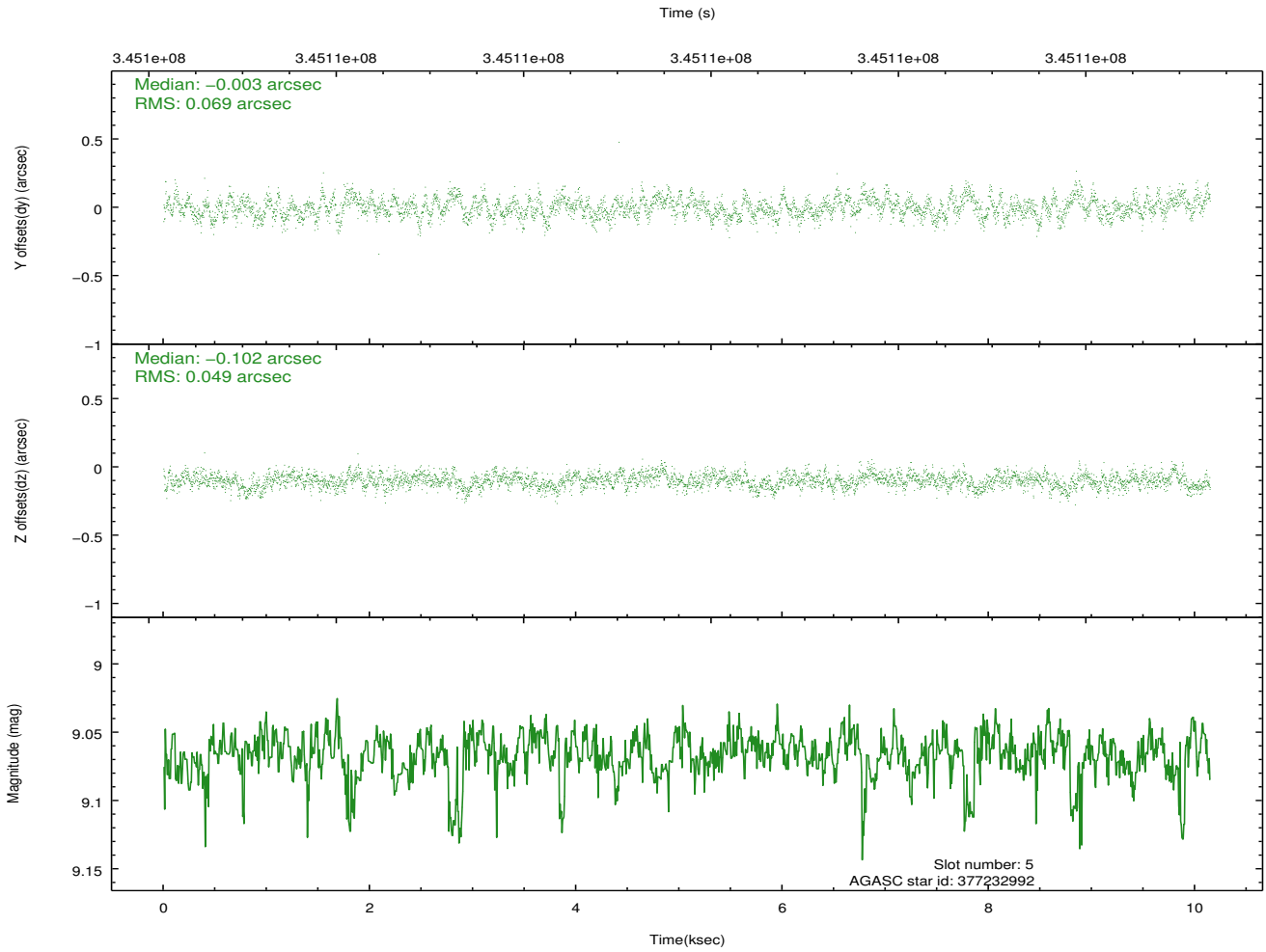
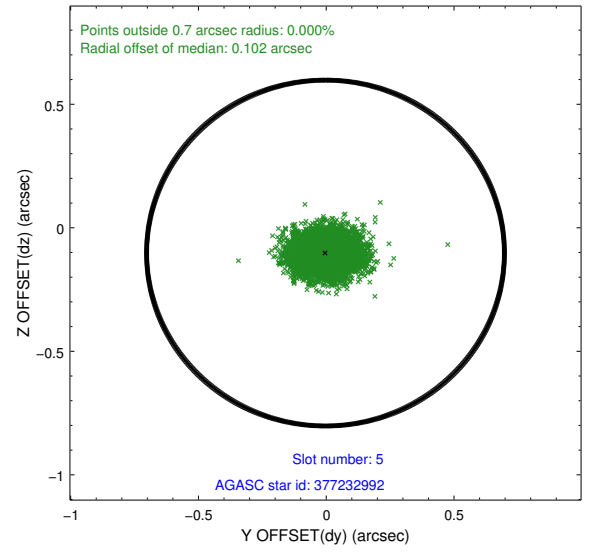
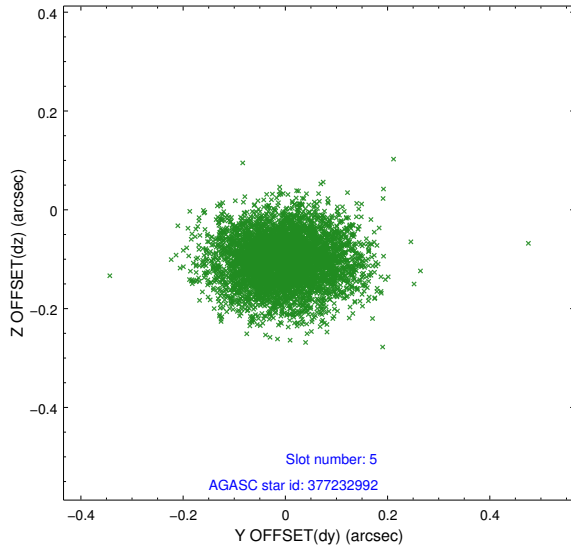
### 2.4.1 Slot 3



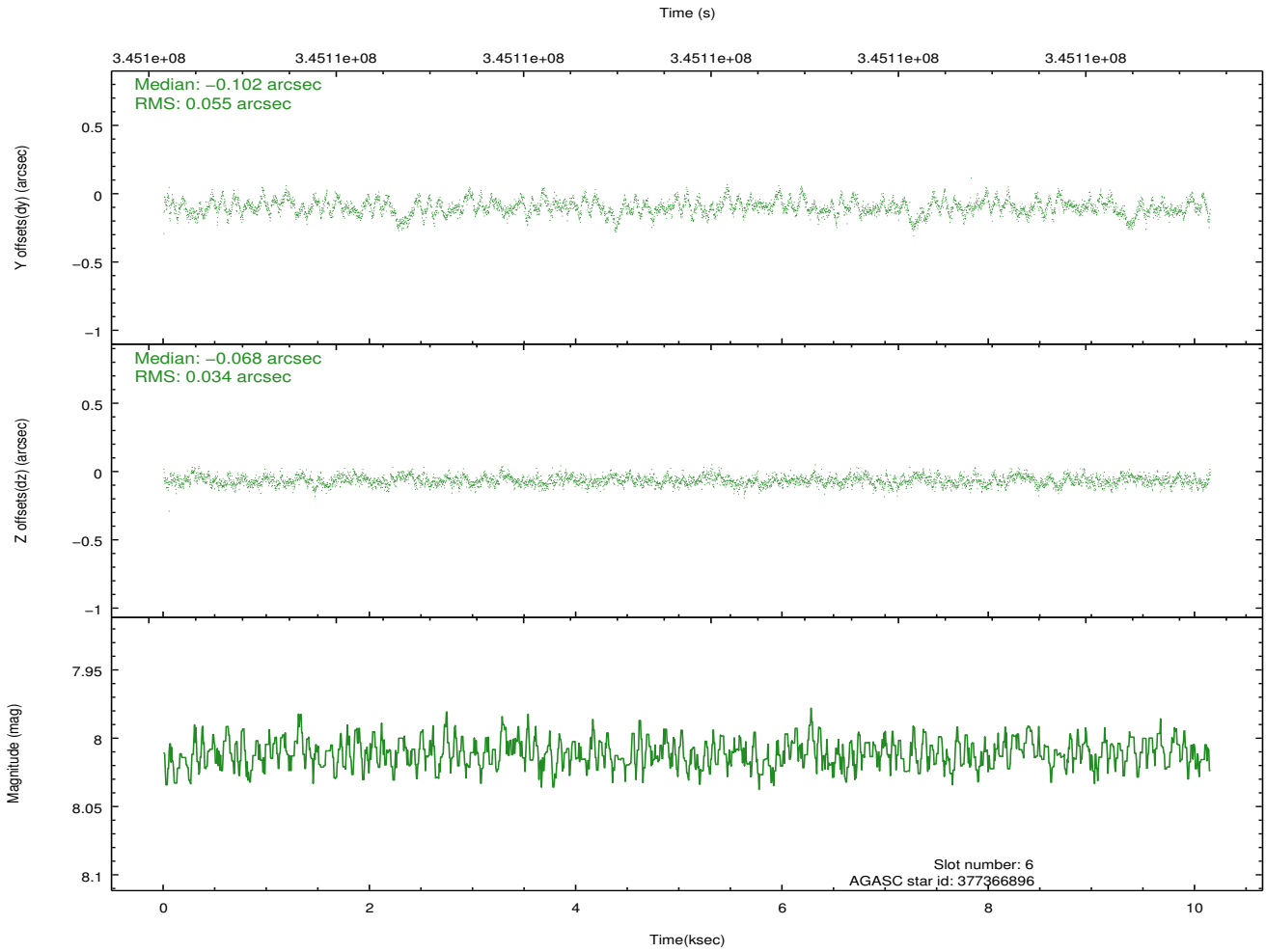
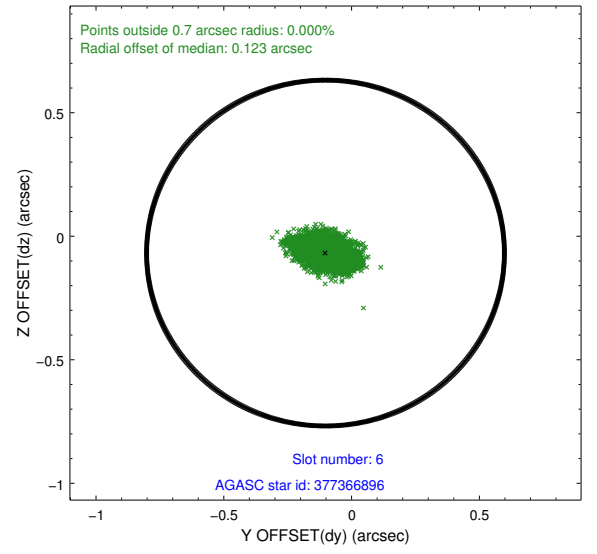
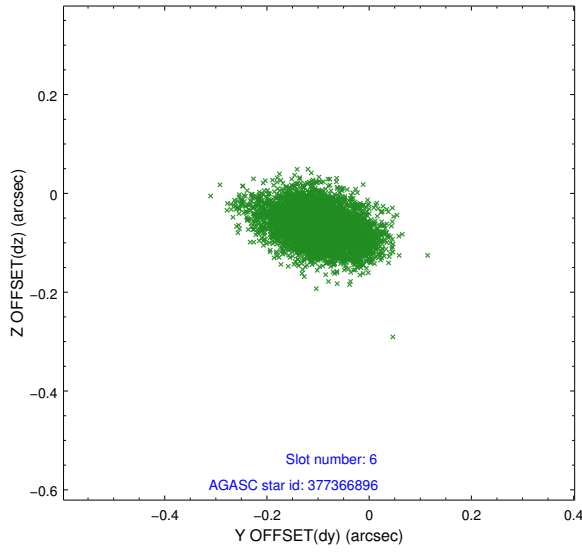
## 2.4.2 Slot 4



### 2.4.3 Slot 5

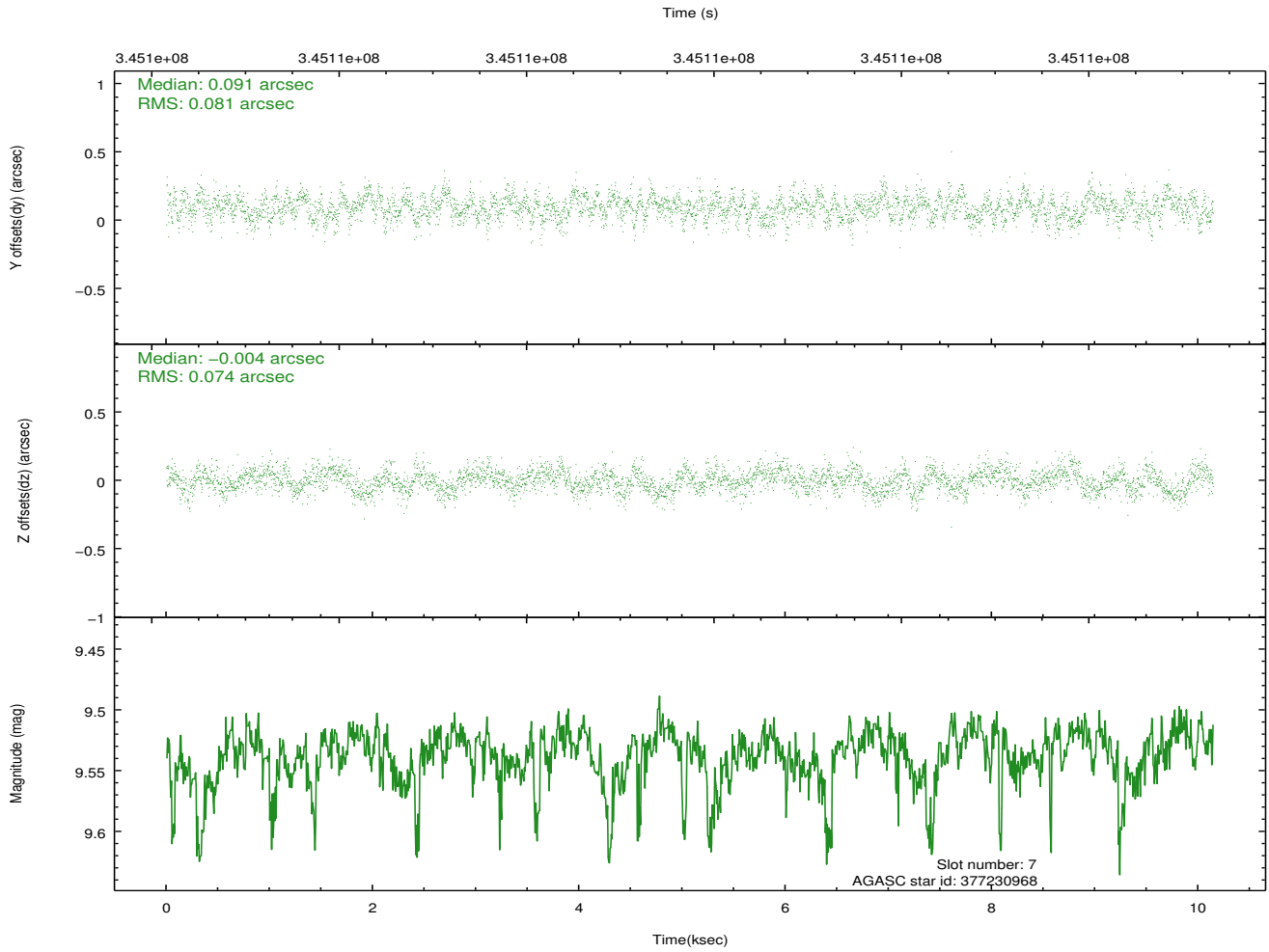
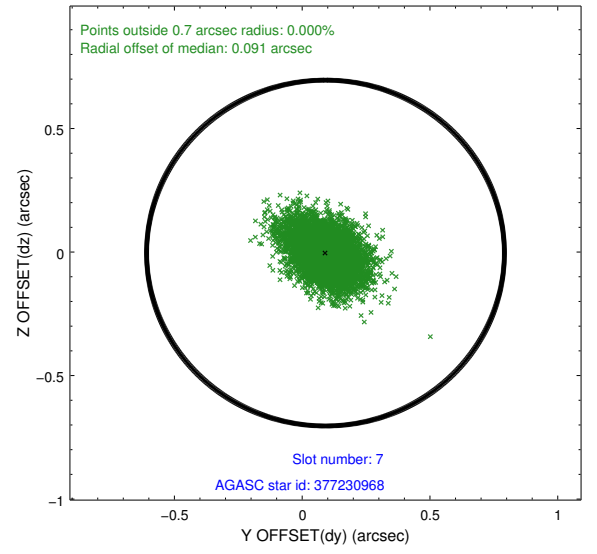
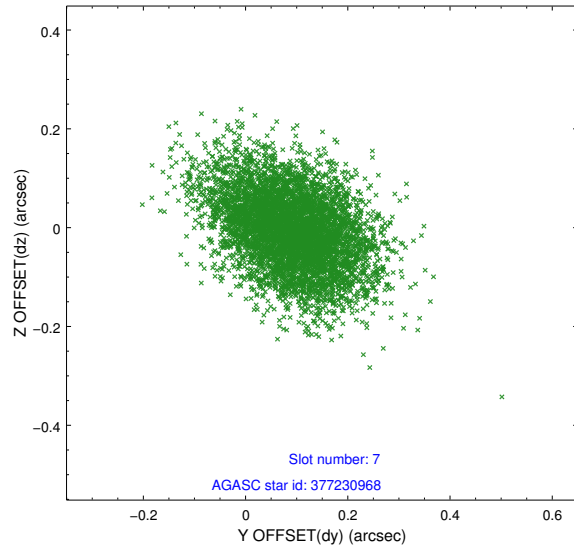


## 2.4.4 Slot 6



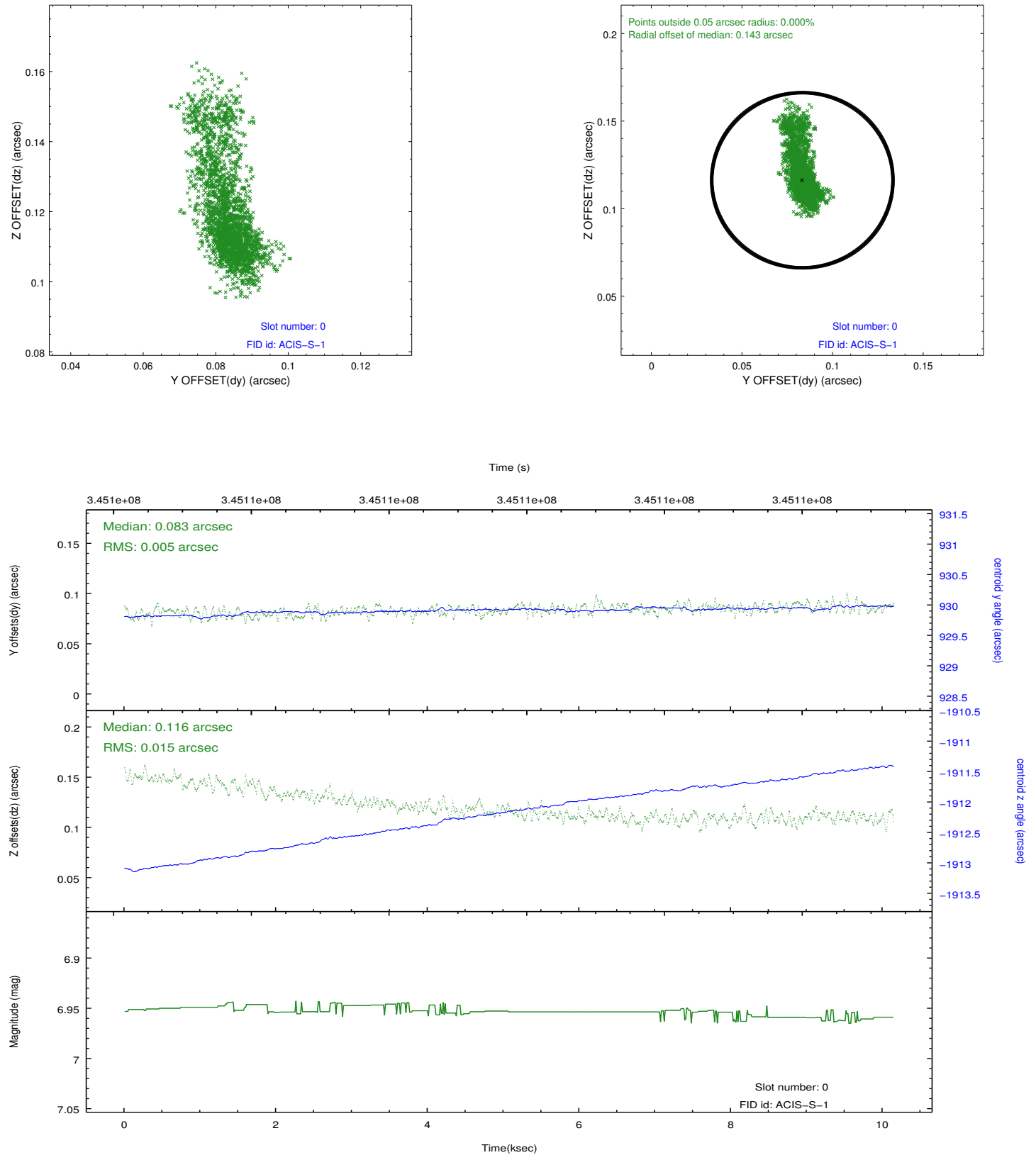


## 2.4.5 Slot 7

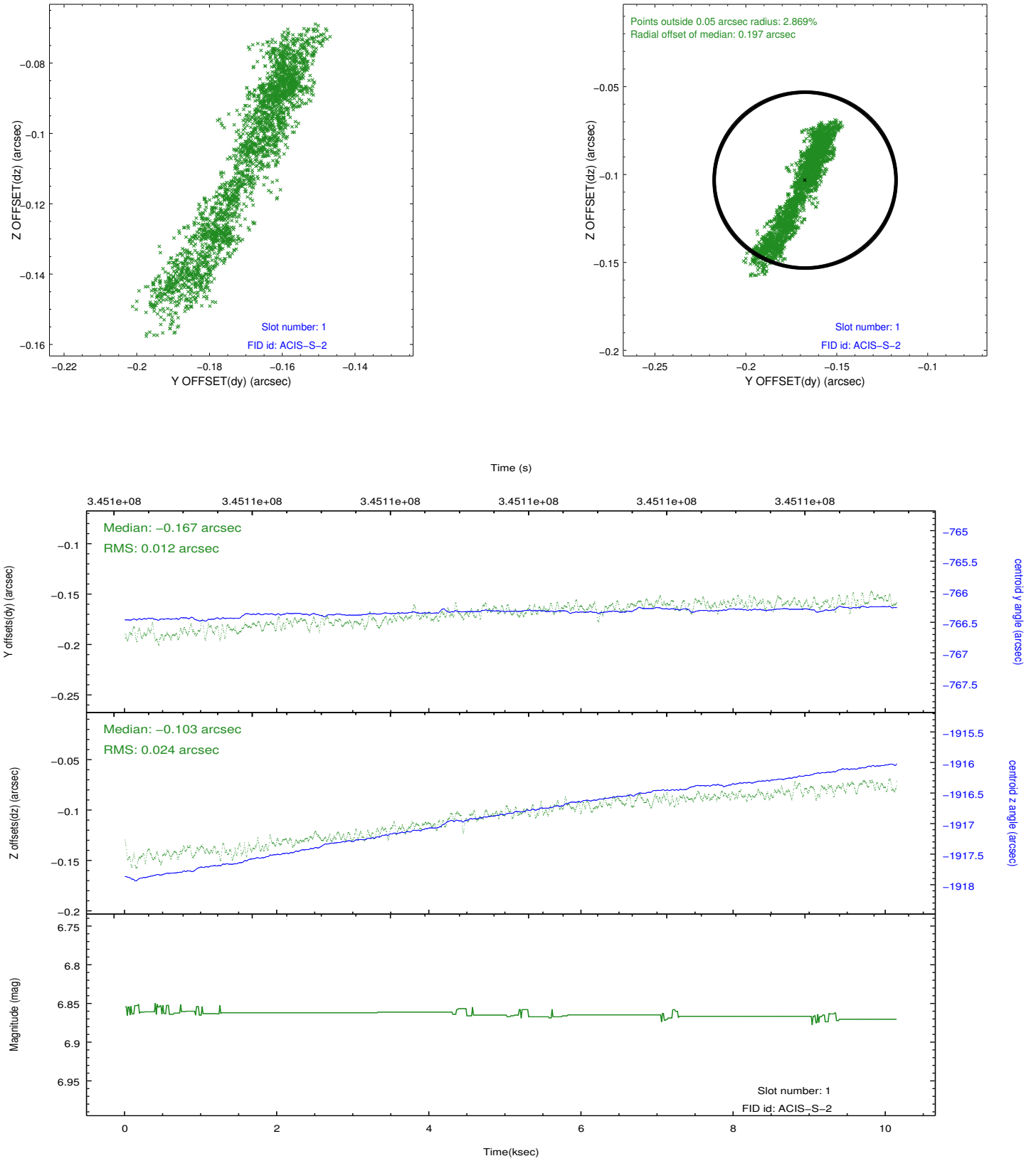


## 2.5 FID Slots

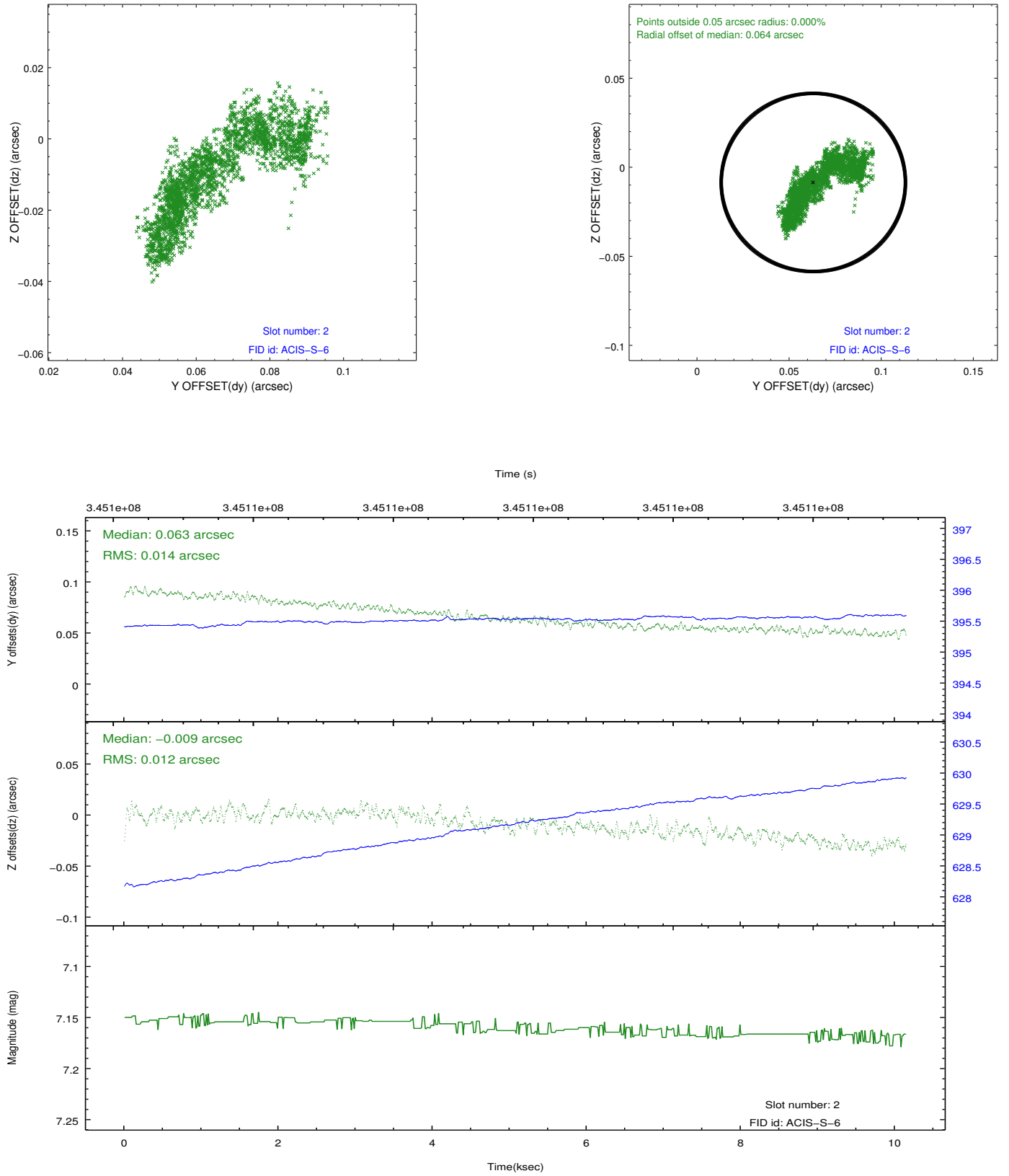
### 2.5.1 Slot 0



## 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)	2012.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1447993

### A.2 Comments

Roll preference met.