

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9283 - L2 Version 2  
Chandra X-Ray Center

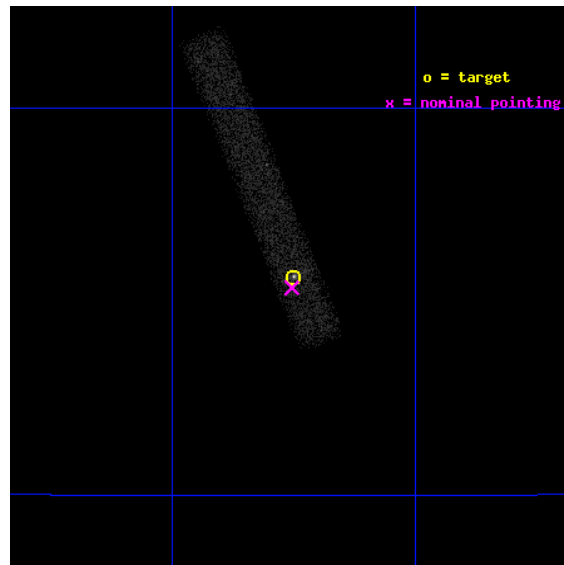
L2 Processing Date : May 22 2012

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# 1 Front

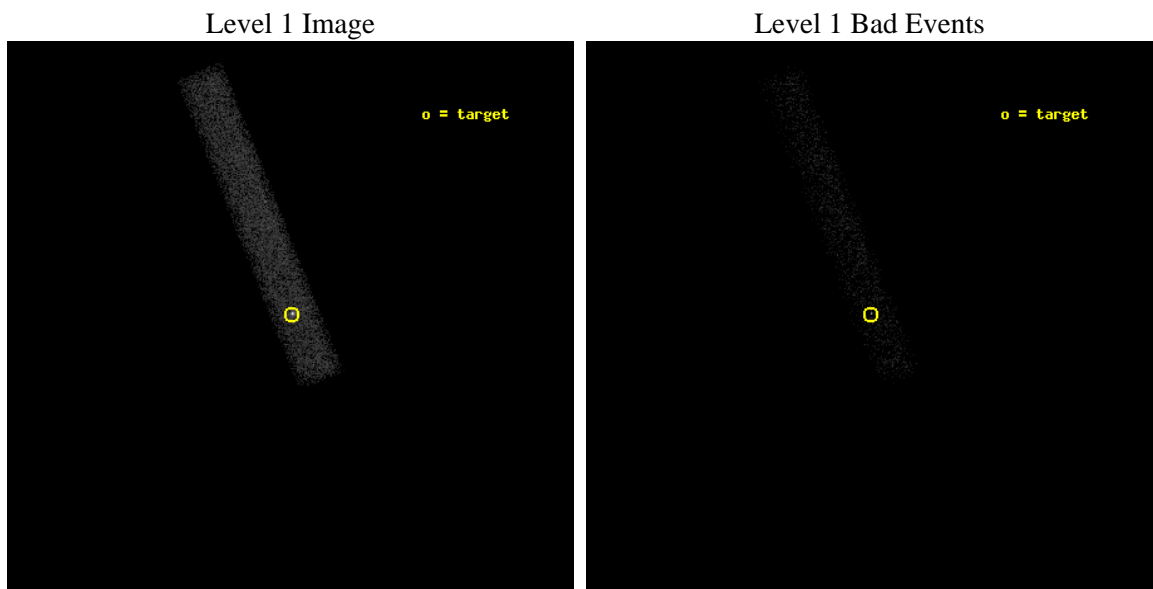
seq_num	701723	Sequence number
obs_id	9283	Observation id
title	Surveying X-ray Jets in Superluminal Blazars	Proposal title
observer	Dr. Matthew Lister	Principal investigator
object	2201+315	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	330.8125	Observer's specified target RA [deg]
dec_targ	31.760611	Observer's specified target Dec [deg]
ra_nom	330.81353034272	Nominal RA [deg]
dec_nom	31.755806571889	Nominal Dec [deg]
roll_nom	248.15610775104	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10107.59939754	Sum of GTIs [s]
livetime	9167.0591307275	Livetime [s]
ontime7	10107.59939754	Sum of GTIs [s]
l2events	14085	Number of level 2 events



## 2 OBI

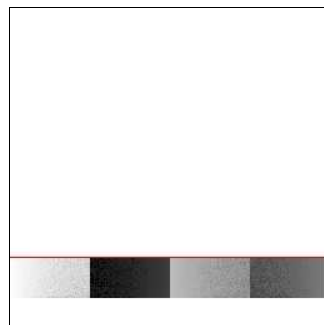
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	9938.729000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10107.59939754	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime7	10107.59939754	Sum of GTIs [s]
date	2012-05-22T21:50:35	Date and time of file creation	l1events	26670	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	26670
rejected events	12364
rejected %	46%

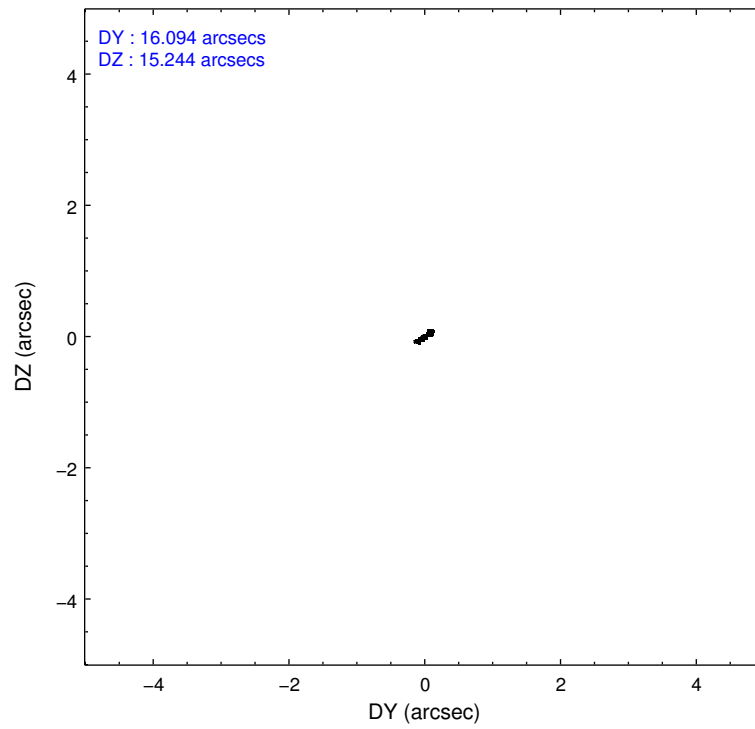
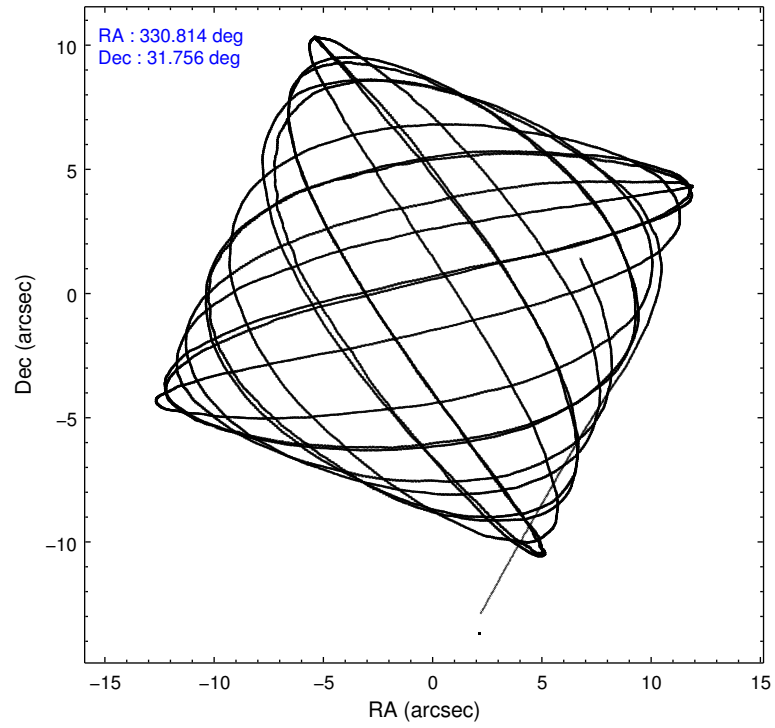
	<b>ccd 7</b>
grade 0 events	2238
	8%
grade 1 events	54
	0%
grade 2 events	3443
	12%
grade 3 events	1867
	7%
grade 4 events	1842
	6%
grade 5 events	1909
	7%
grade 6 events	6340
	23%
grade 7 events	8977
	33%

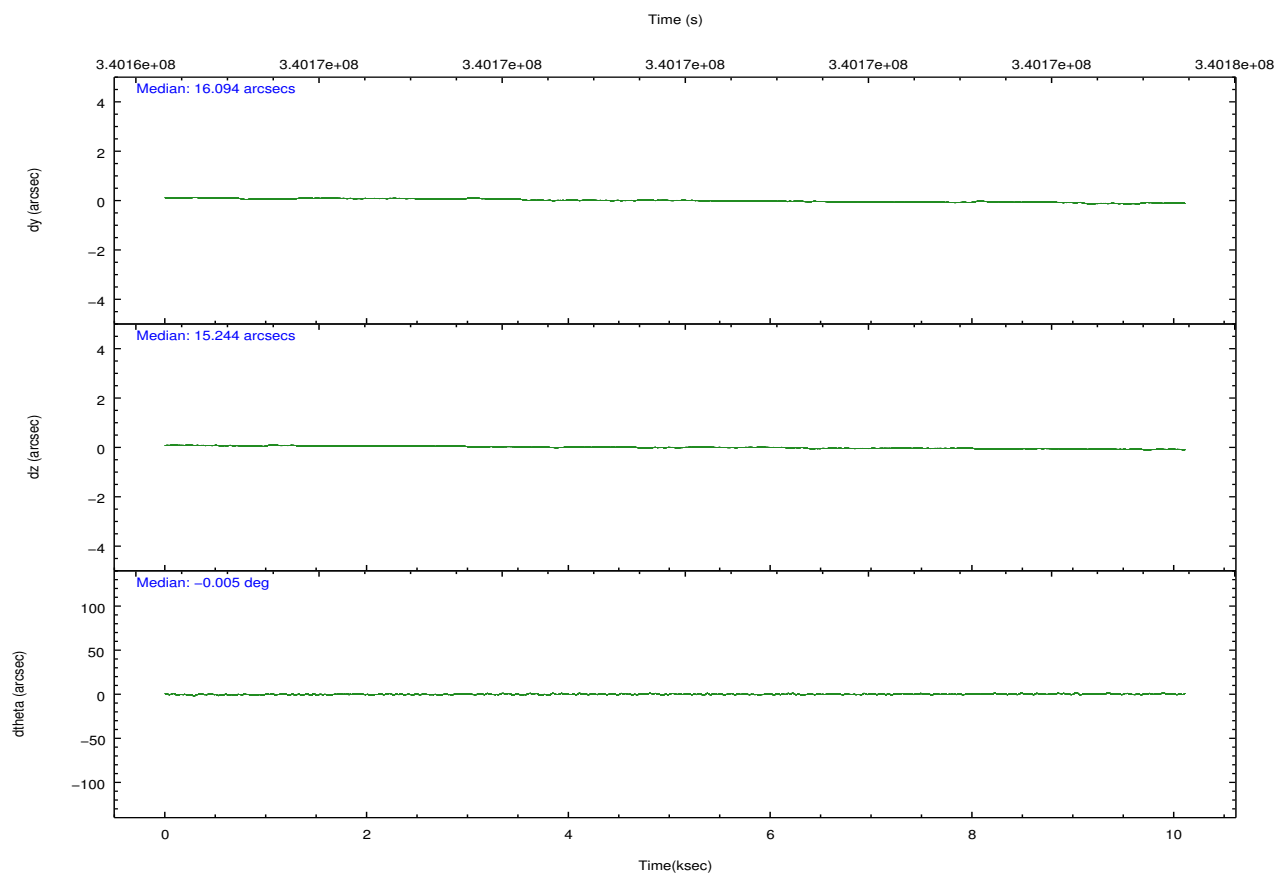
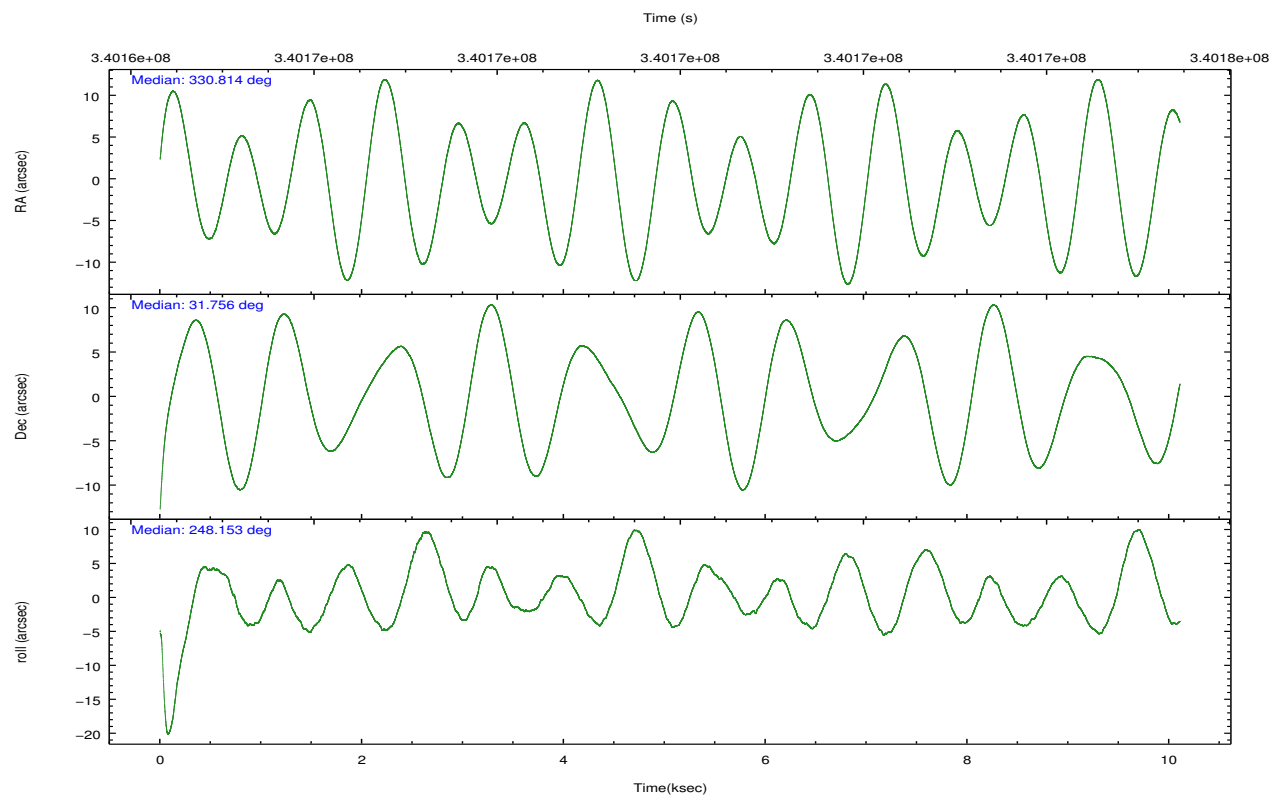


## 2.2 Compared Parameters

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	330.808477	330.8135303427188	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	31.782842	31.75580657188907	Subarray start row	100	100
[deg] Pointing Roll	248.002125	248.1561077510404	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)	340165005.184000	340163226.67749			
Observation start date	2008-10-12T02:15:40	2008-10-12T01:47:06			
[s] Observation end time (MET)	340174944.184000	340175166.39058			
Observation end date	2008-10-12T05:01:19	2008-10-12T05:06:06			
Read mode	TIMED	TIMED			

## 2.3 Aspect



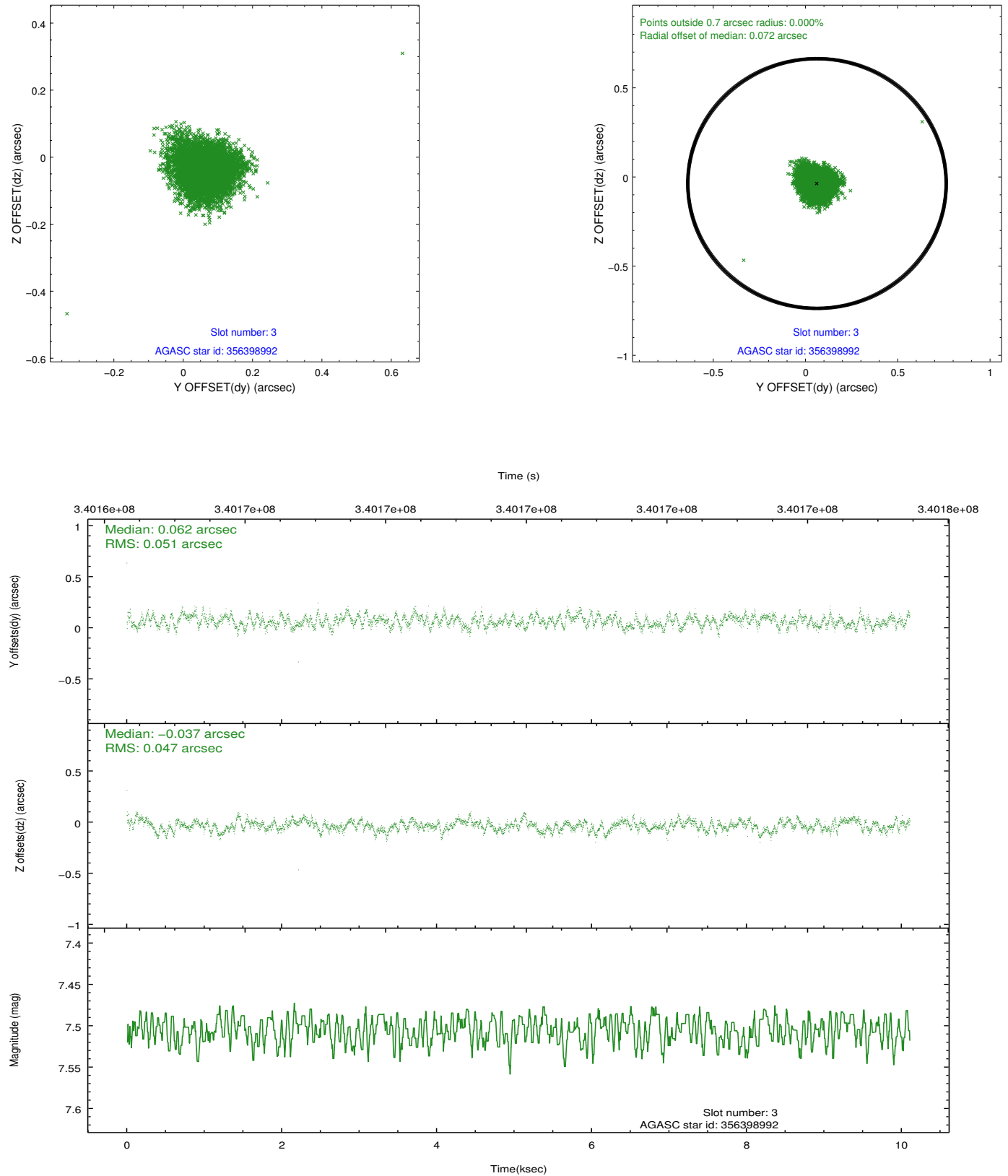


### Slot Statistics

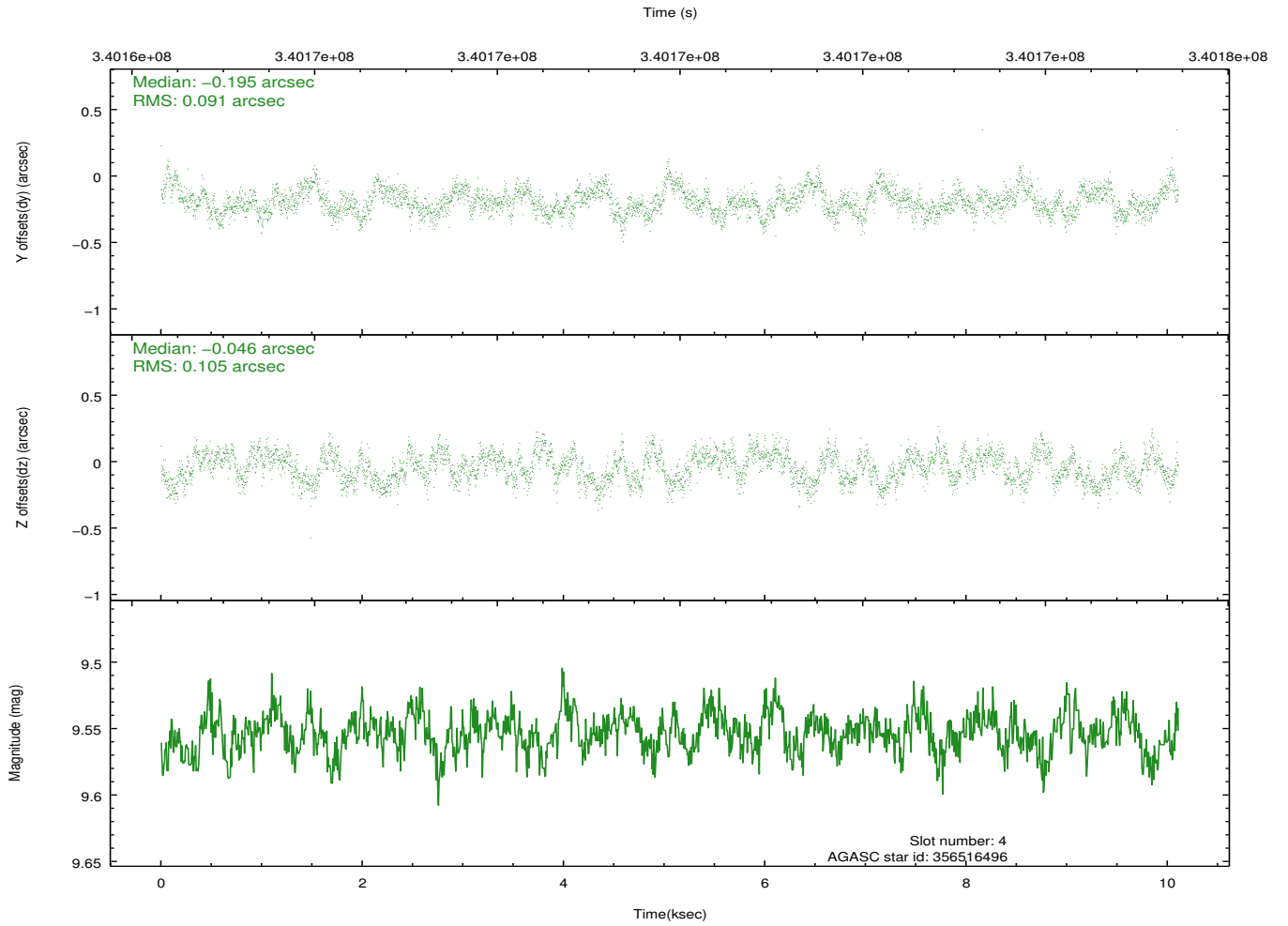
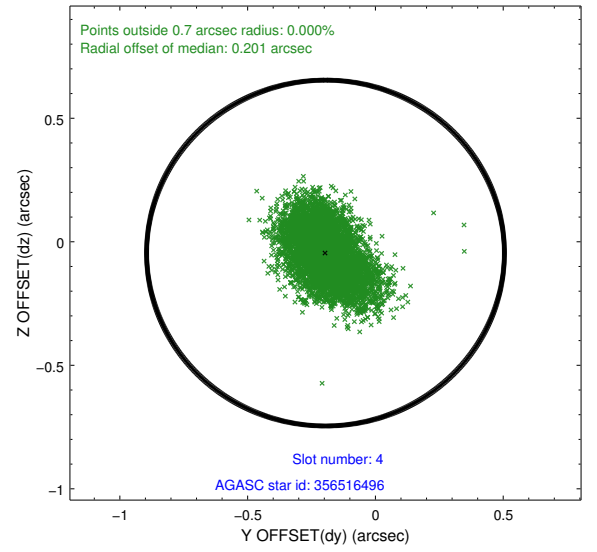
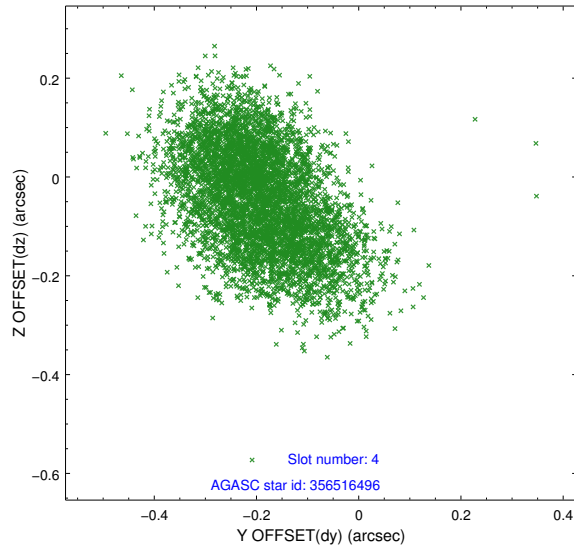
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.97	2466	0.100	0.138	0.006	0.010	0.000000	0.000000	927.66	-1911.31
1	FID	ACIS-S-2	6.88	2466	-0.190	-0.107	0.006	0.010	0.000000	0.000000	-768.24	-1916.71
2	FID	ACIS-S-6	7.18	2466	0.069	-0.027	0.006	0.011	0.000000	0.000000	393.06	629.24
3	GUIDE	356398992	7.51	4931	0.062	-0.037	0.074	0.115	330.189394	31.449996	1819.15	-1316.15
4	GUIDE	356516496	9.55	4925	-0.195	-0.046	0.149	0.237	331.094296	31.629018	184.84	1019.27
5	GUIDE	356925168	8.97	4932	0.043	-0.003	0.086	0.139	330.483966	31.935770	-139.91	-1125.69
6	GUIDE	357050360	9.77	4927	0.169	0.019	0.113	0.183	331.302383	31.946713	-1114.84	1176.52
7	GUIDE	357051688	8.96	4924	-0.080	0.071	0.093	0.153	331.172270	32.052216	-1316.61	665.64

## 2.4 Star Slots

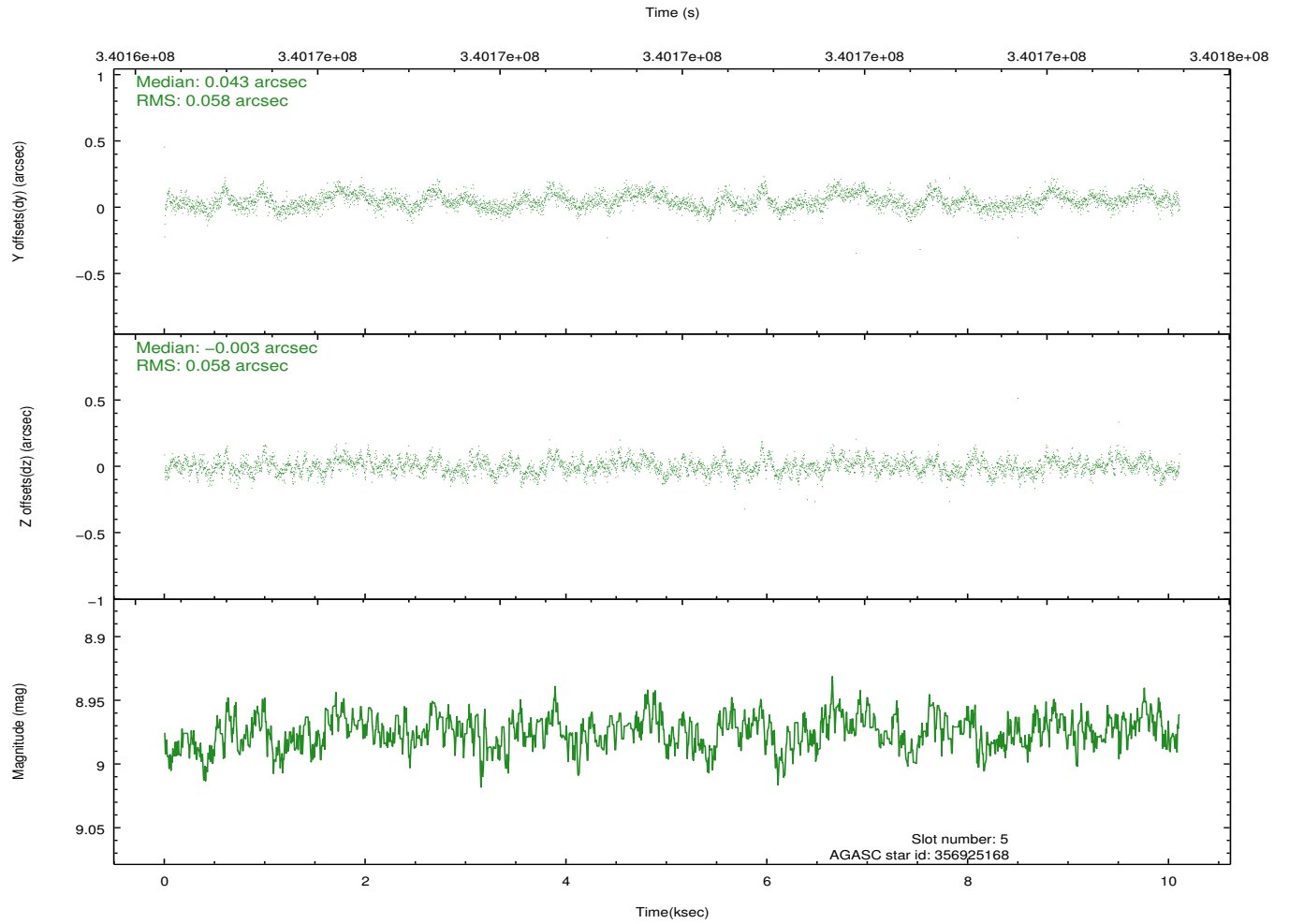
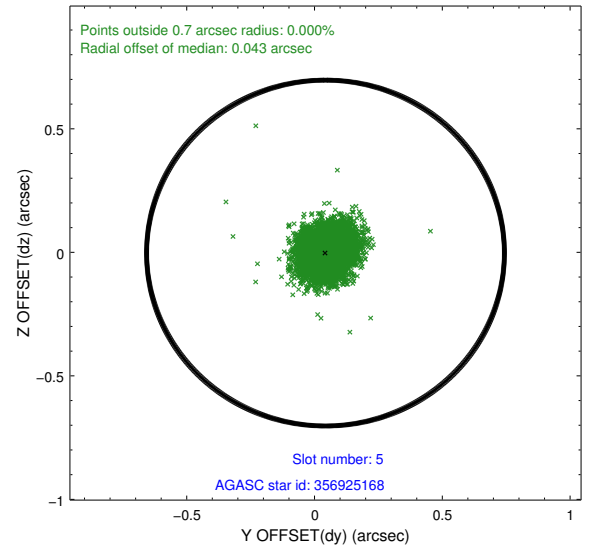
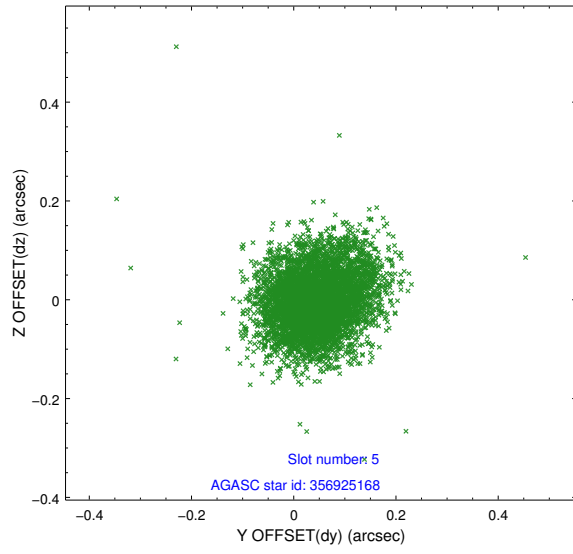
### 2.4.1 Slot 3



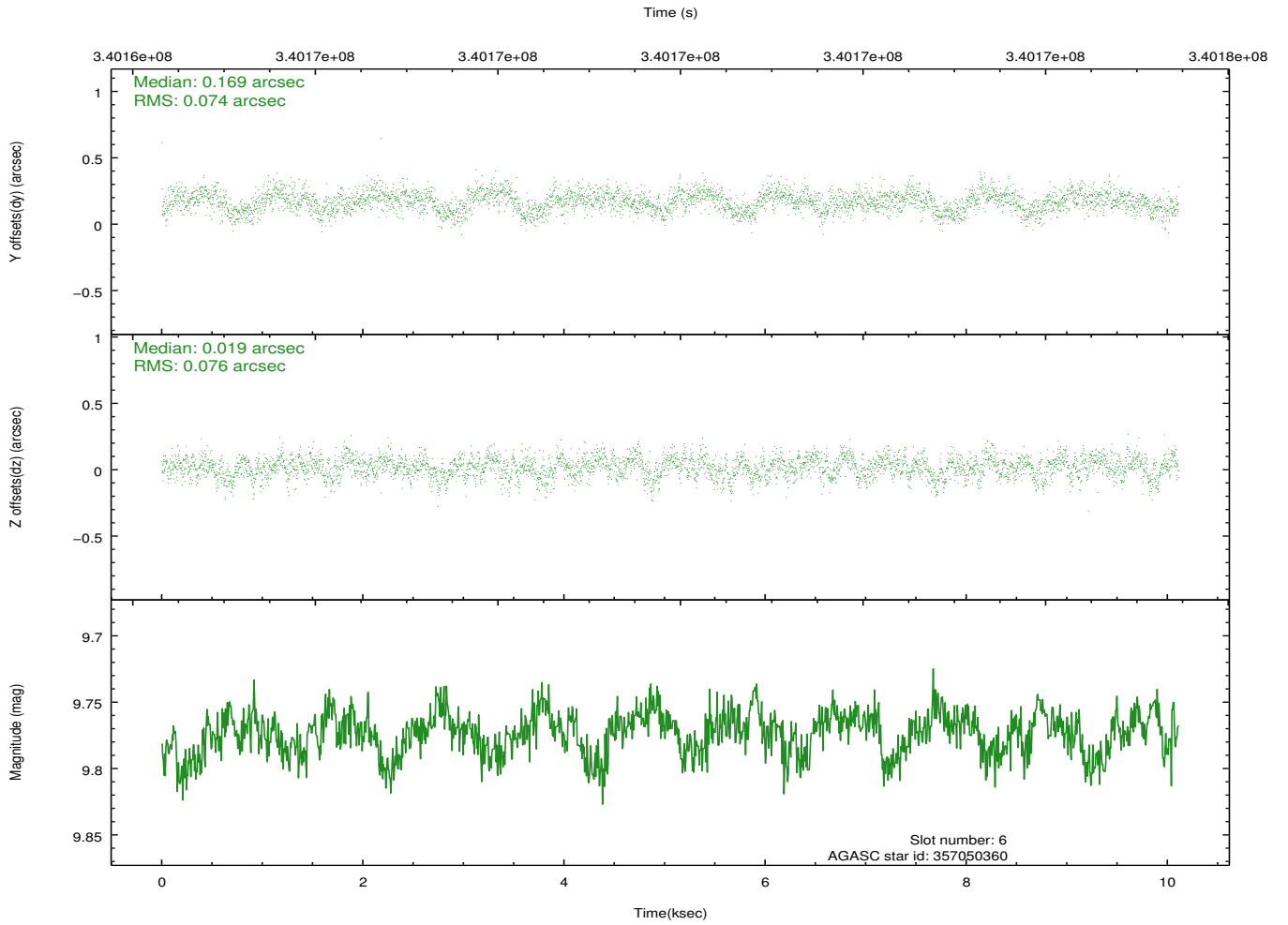
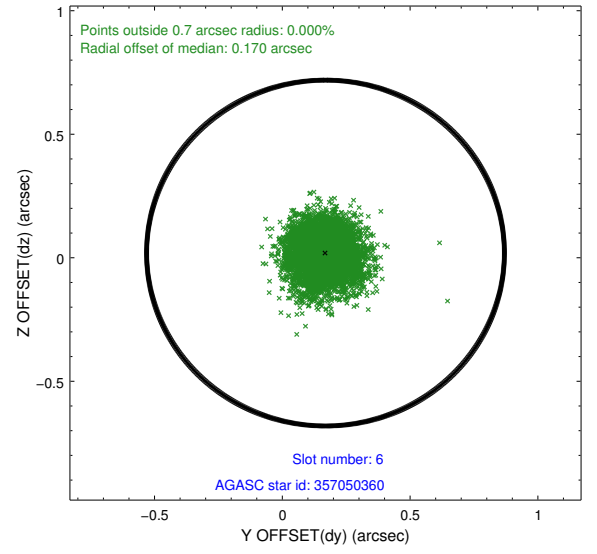
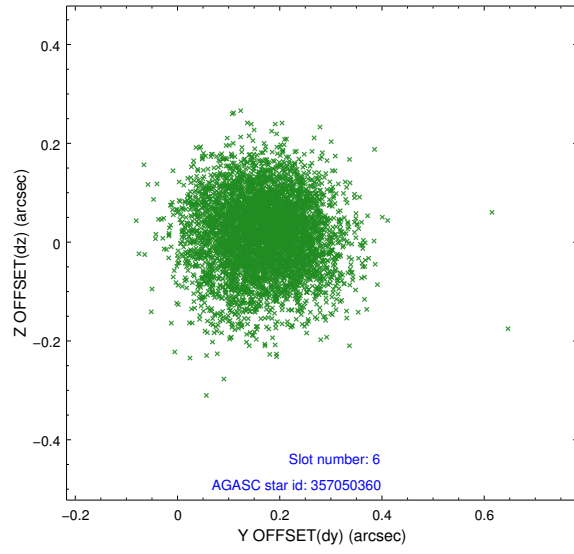
## 2.4.2 Slot 4



### 2.4.3 Slot 5

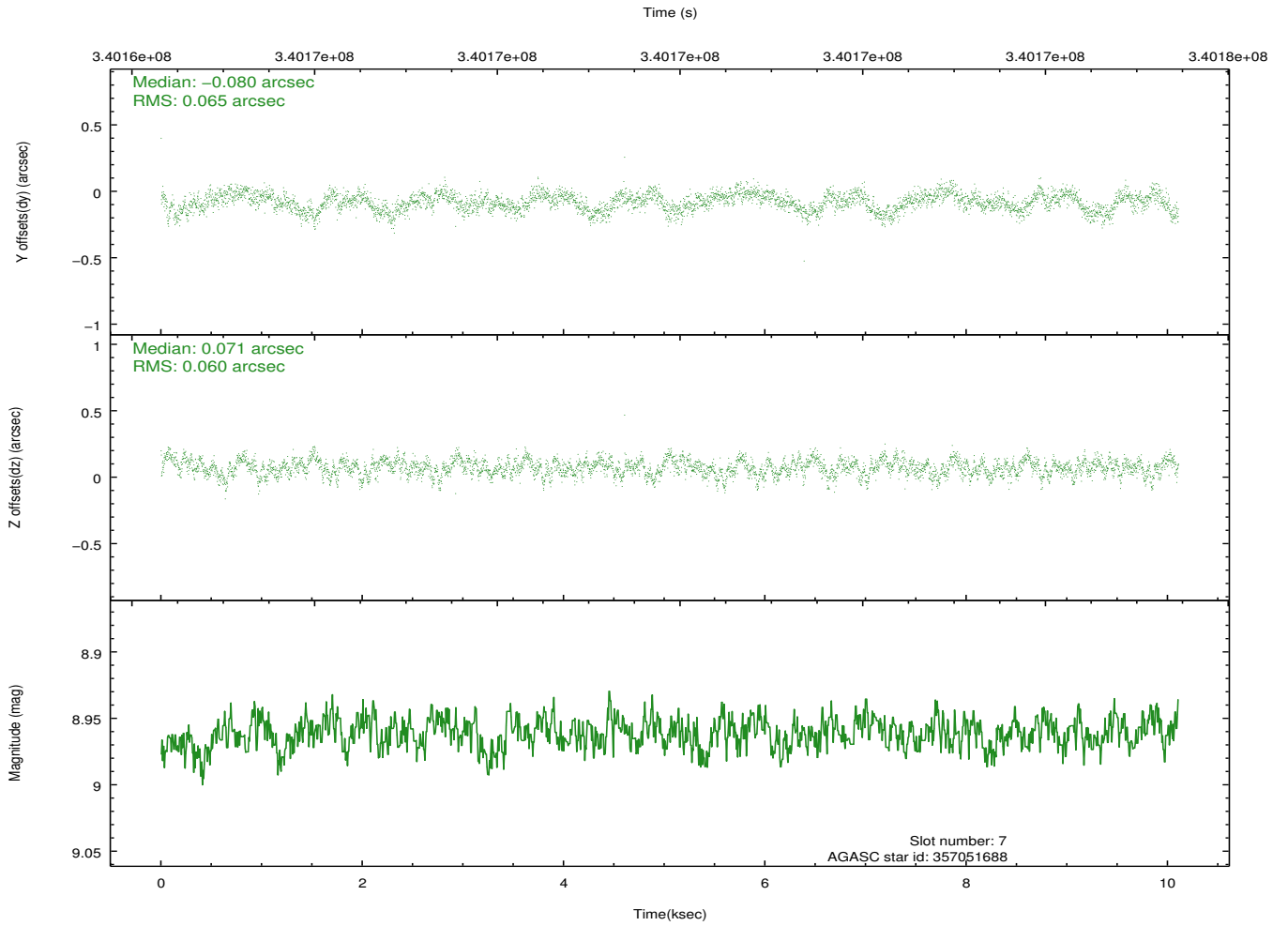
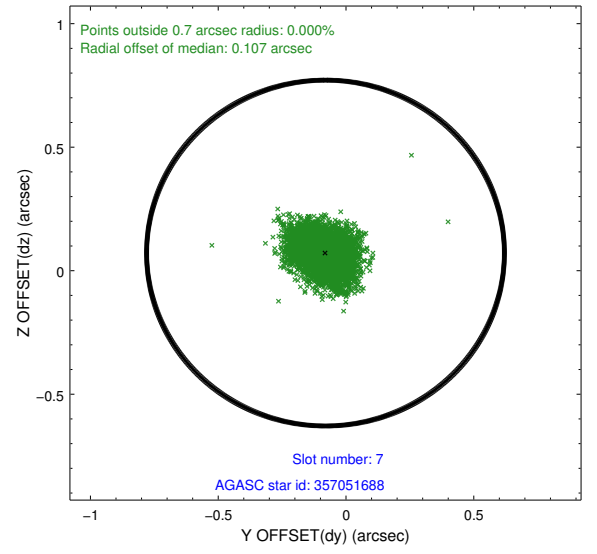
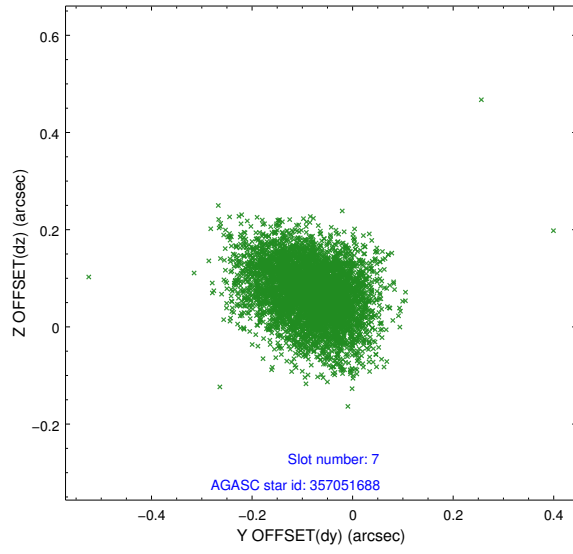


## 2.4.4 Slot 6



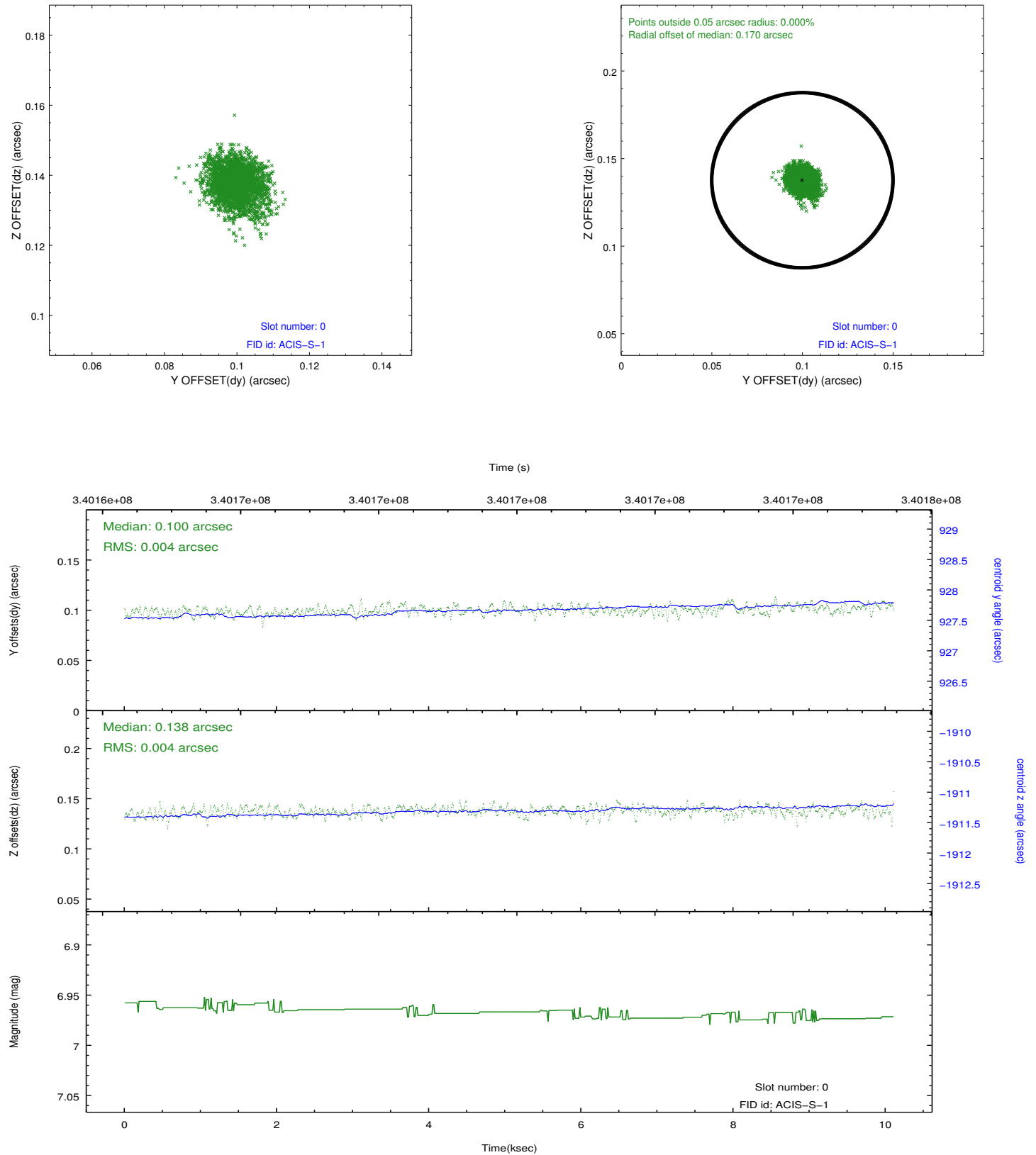


## 2.4.5 Slot 7

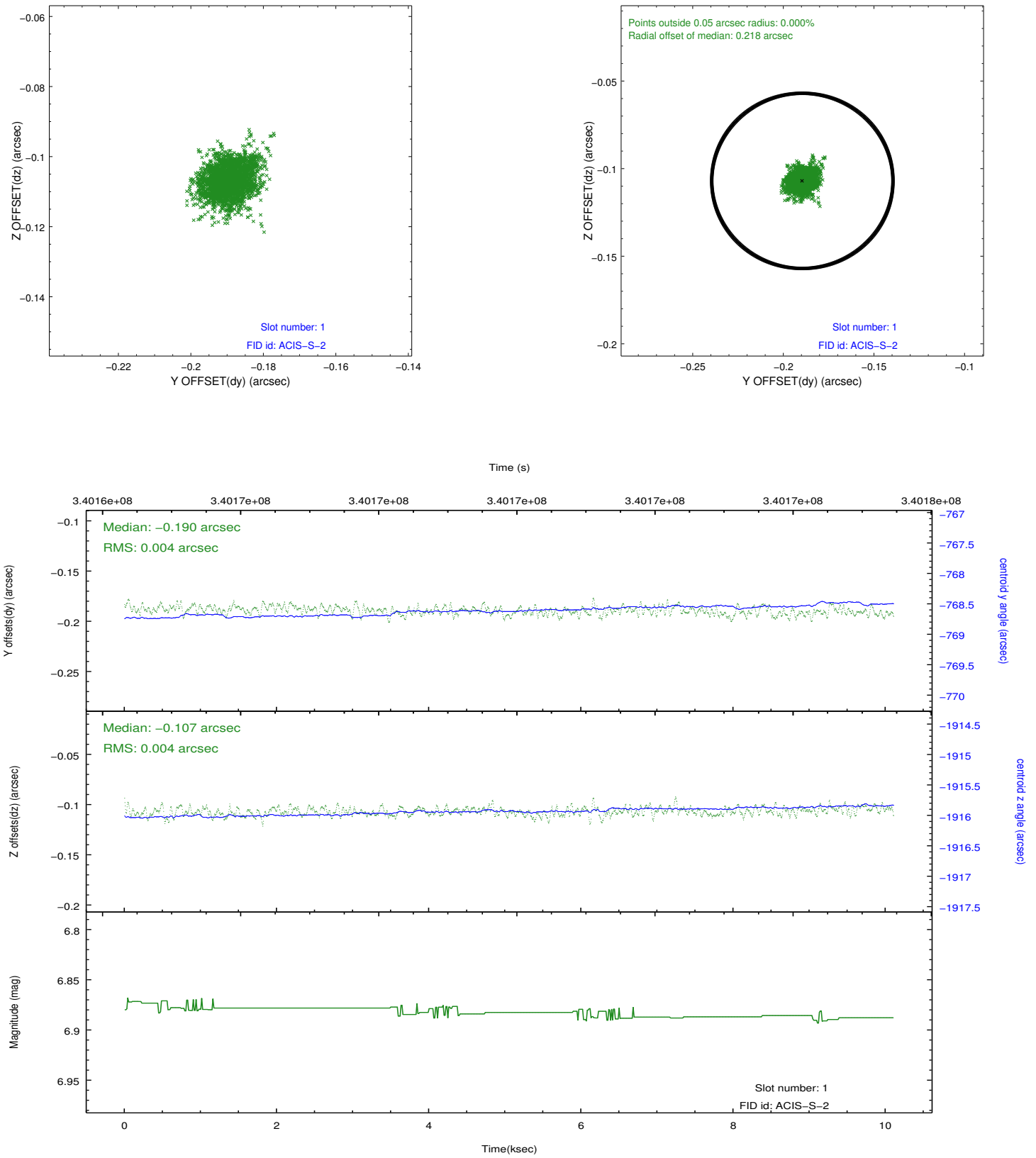


## 2.5 FID Slots

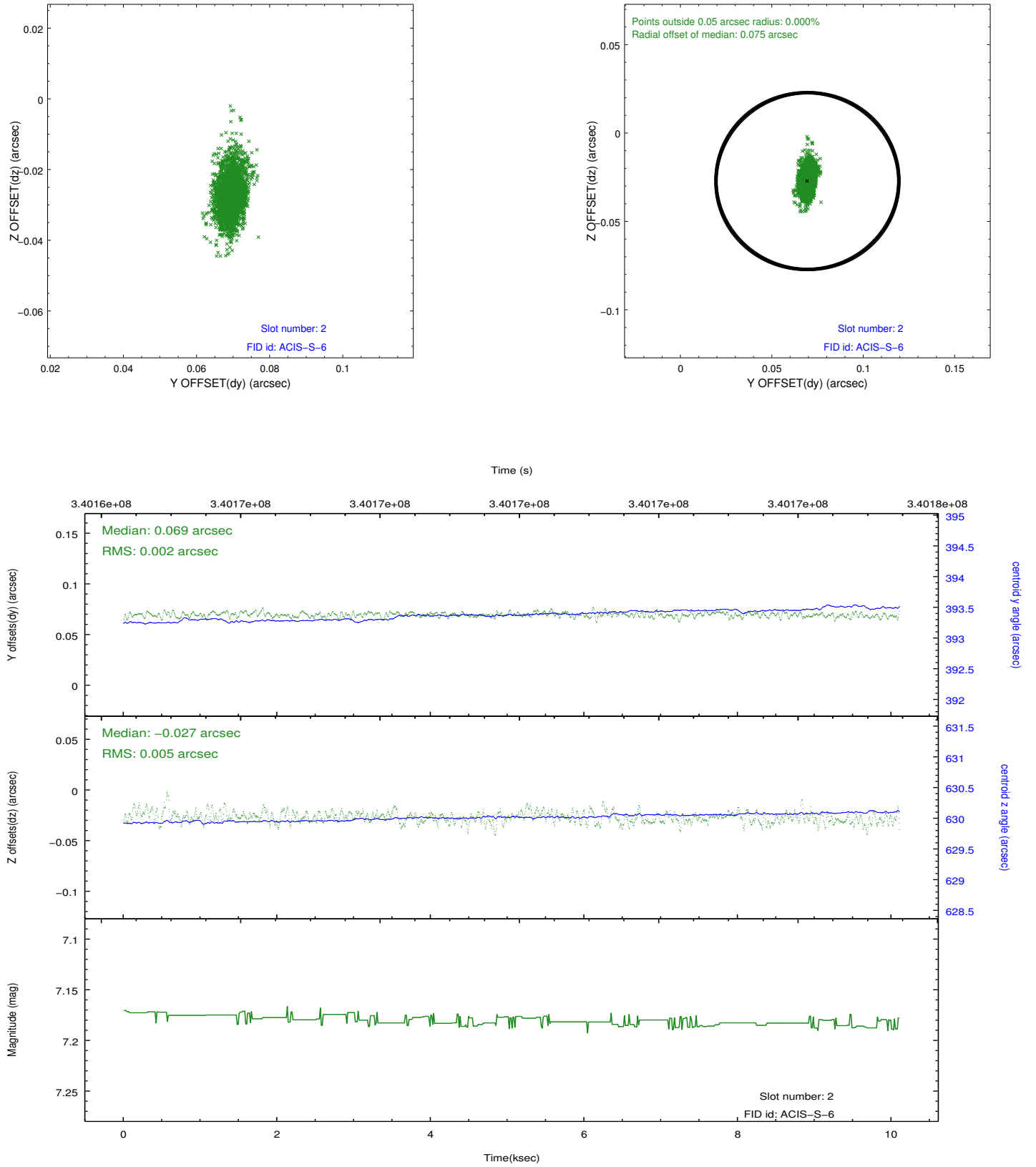
### 2.5.1 Slot 0



## 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)	2012.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1075993

### A.2 Comments

Roll preference not met.