

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 711 - L2 Version 3  
Chandra X-Ray Center

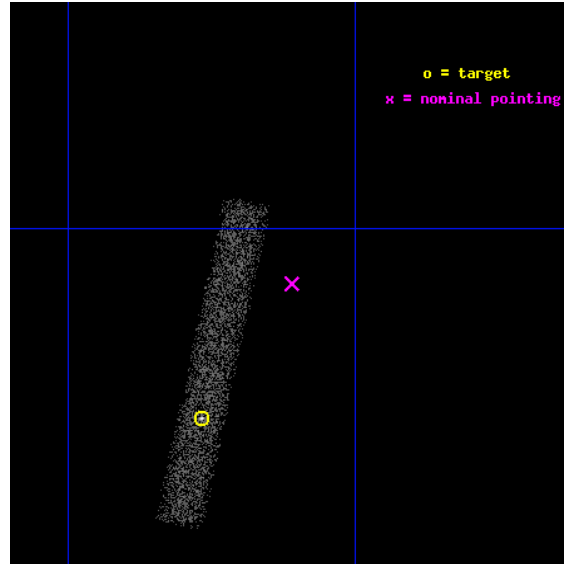
L2 Processing Date : Sep 15 2012

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# 1 Front

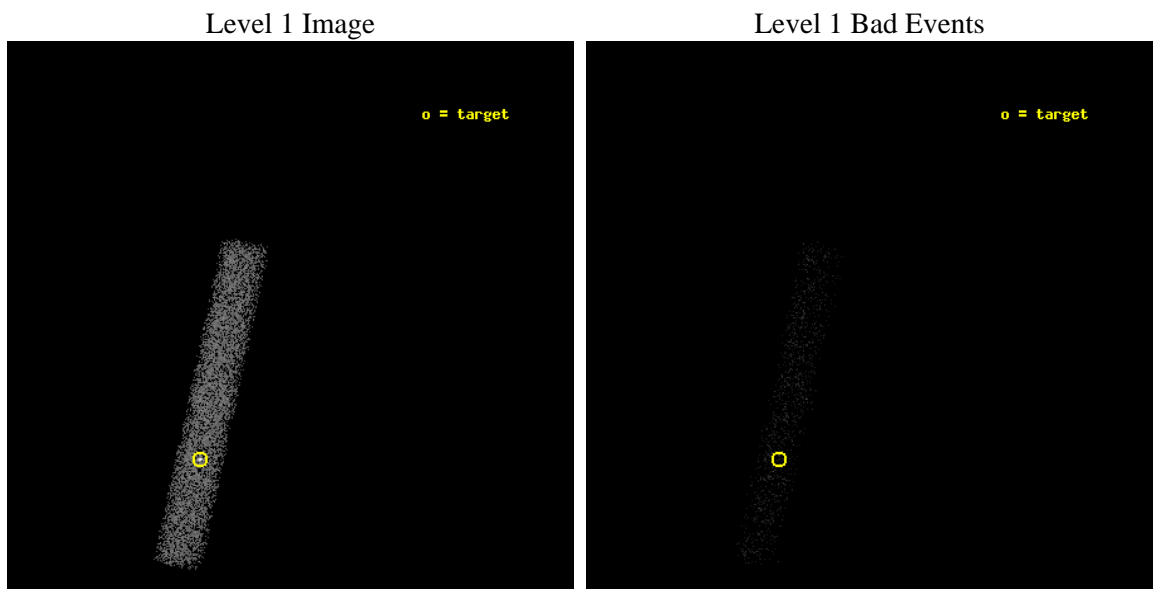
seq_num	400078	Sequence number
obs_id	711	Observation id
title	TEMPORAL EVOLUTION OF TRANSIENT TYPE I BURSTERS IN QUIESCENCE	Prop
observer	PROF. LARS BILDSTEN	Principal investigator
object	AQL X-1	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.816667	Observer's specified target RA [deg]
dec_targ	0.585111	Observer's specified target Dec [deg]
ra_nom	287.77758454835	Nominal RA [deg]
dec_nom	0.64286236139868	Nominal Dec [deg]
roll_nom	102.08447835117	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10193.794784695	Sum of GTIs [s]
livetime	9245.2337971113	Livetime [s]
ontime7	10193.794784695	Sum of GTIs [s]
l2events	6774	Number of level 2 events



## 2 OBI

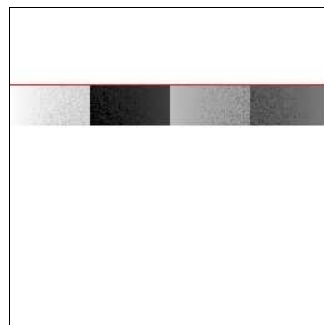
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	9346.709000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10193.794784695	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime7	10193.794784695	Sum of GTIs [s]
date	2012-09-15T14:35:30	Date and time of file creation	l1events	12588	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	12588
rejected events	5540
rejected %	44%

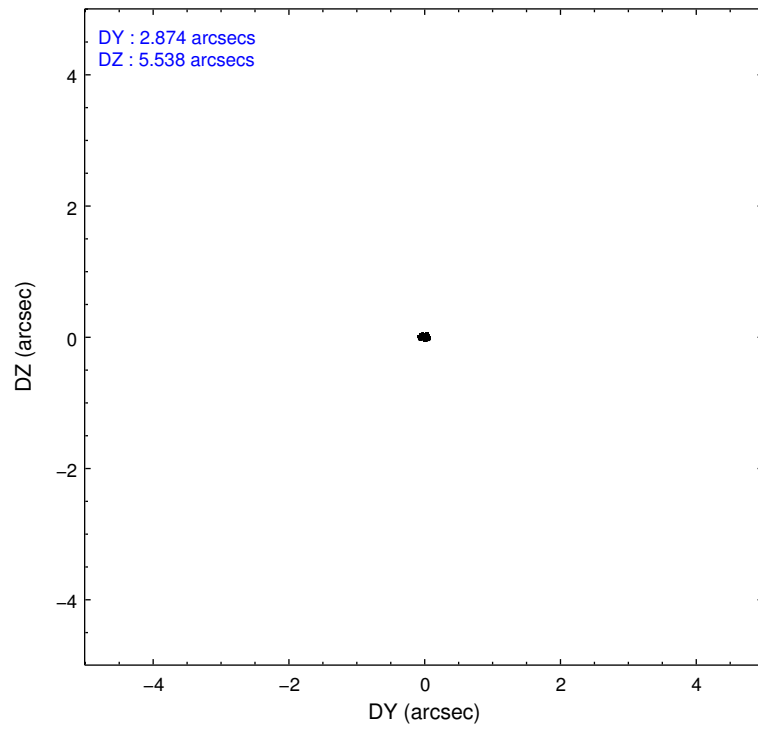
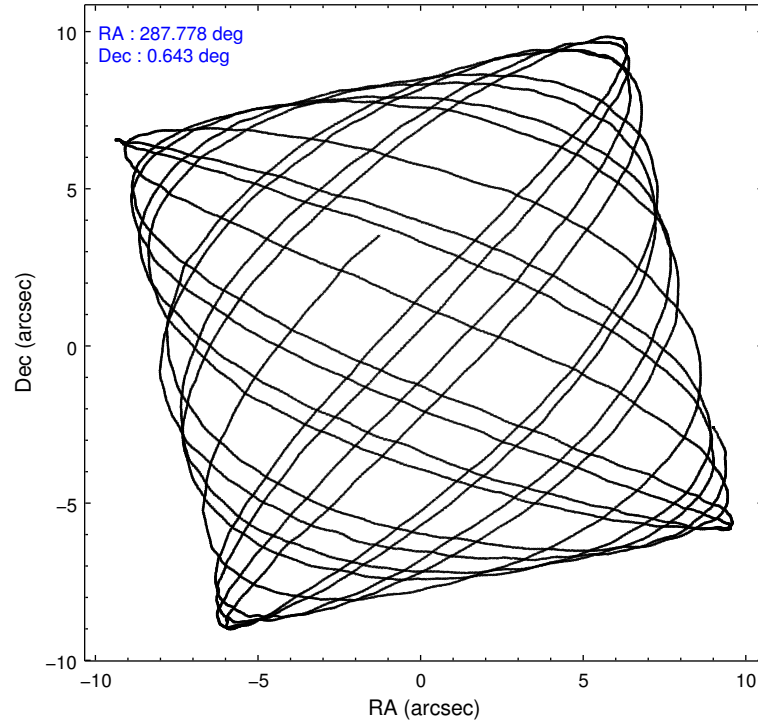
	<b>ccd 7</b>
grade 0 events	1072
	8%
grade 1 events	22
	0%
grade 2 events	1346
	10%
grade 3 events	899
	7%
grade 4 events	893
	7%
grade 5 events	954
	7%
grade 6 events	2838
	22%
grade 7 events	4564
	36%

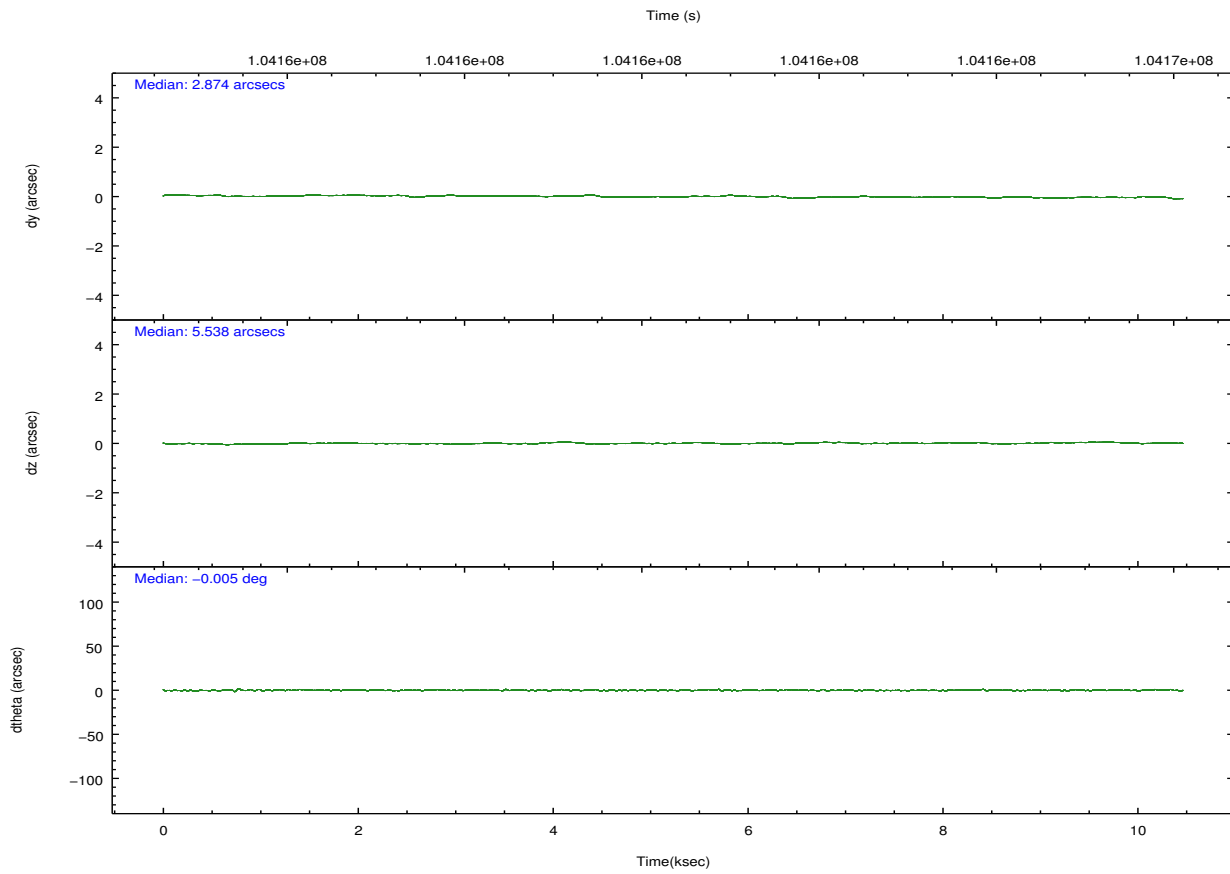
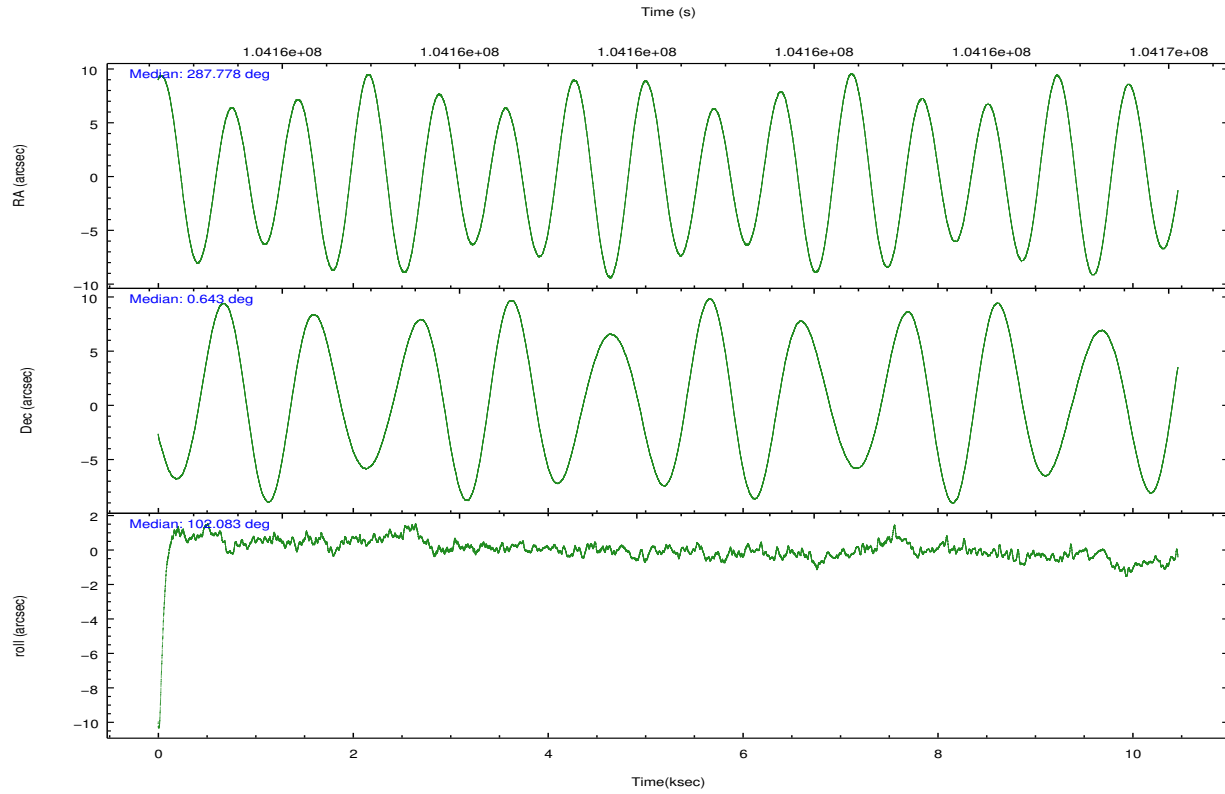


## 2.2 Compared Parameters

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	287.796093	287.77758454835	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	0.622834	0.6428623613986817	Subarray start row	650	650
[deg] Pointing Roll	101.927646	102.0844783511715	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)	104156235.184000	104154812.32876			
Observation start date	2001-04-20T12:16:11	2001-04-20T11:53:32			
[s] Observation end time (MET)	104165582.184000	104165896.16669			
Observation end date	2001-04-20T14:51:58	2001-04-20T14:58:16			
Read mode	TIMED	TIMED			

## 2.3 Aspect



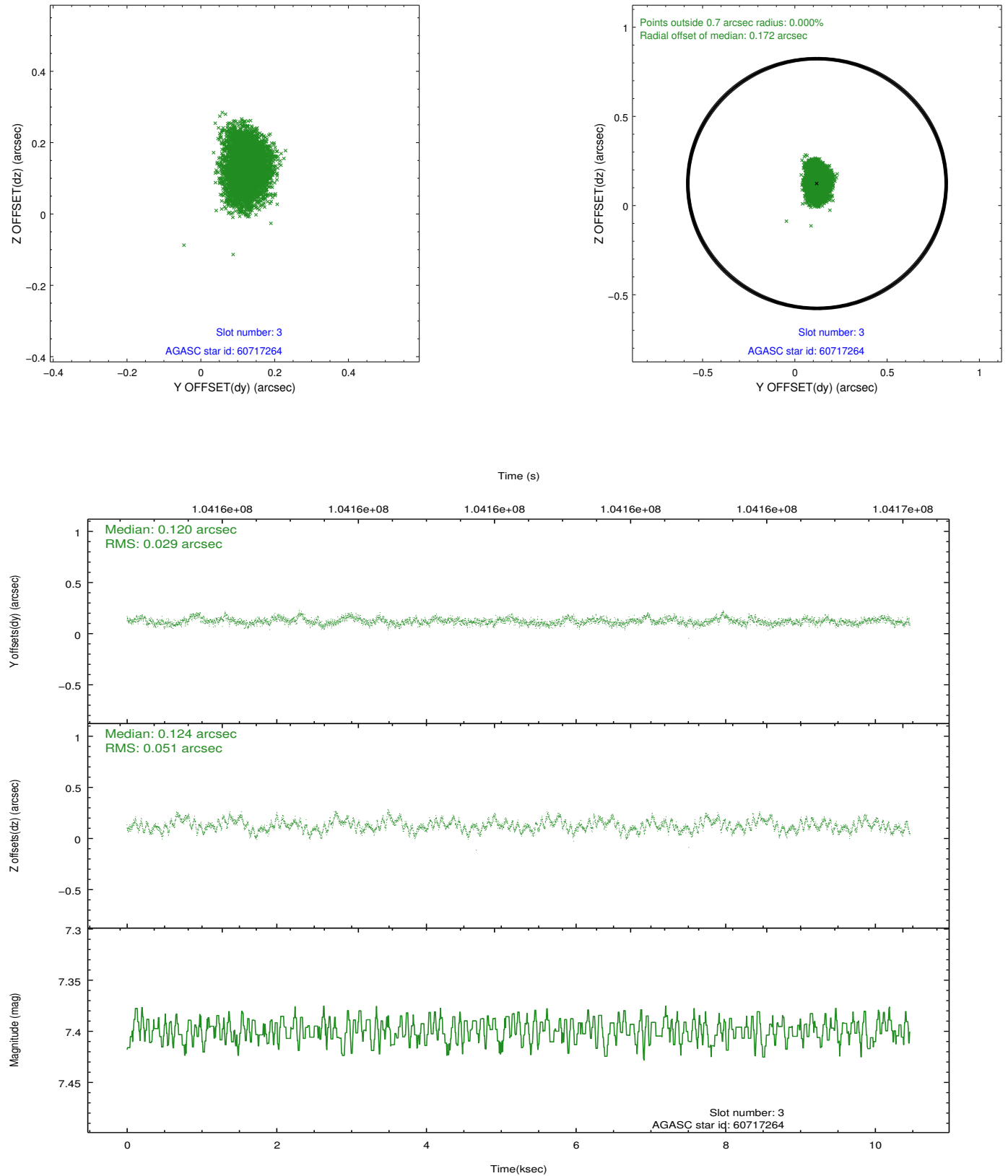


### Slot Statistics

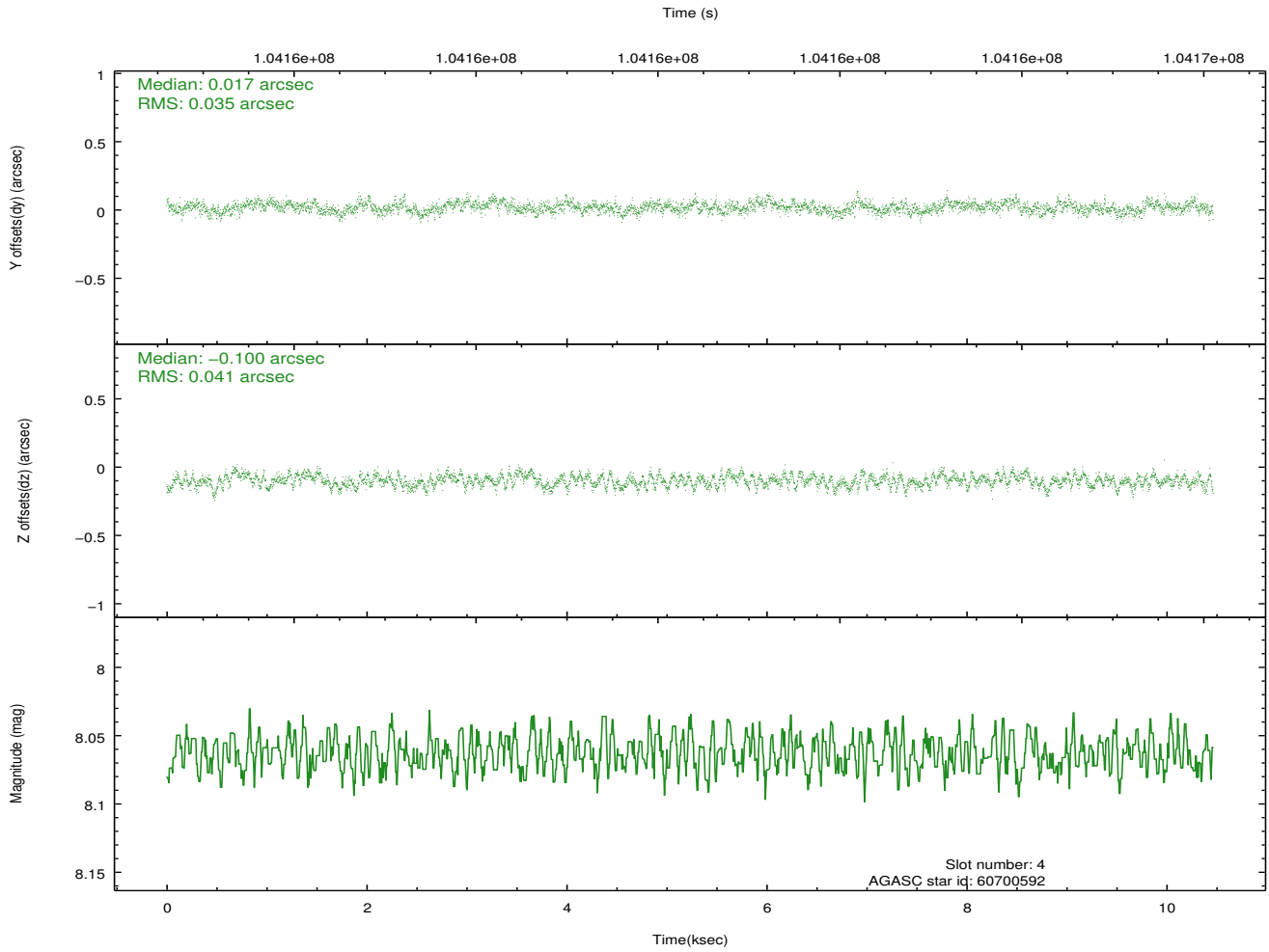
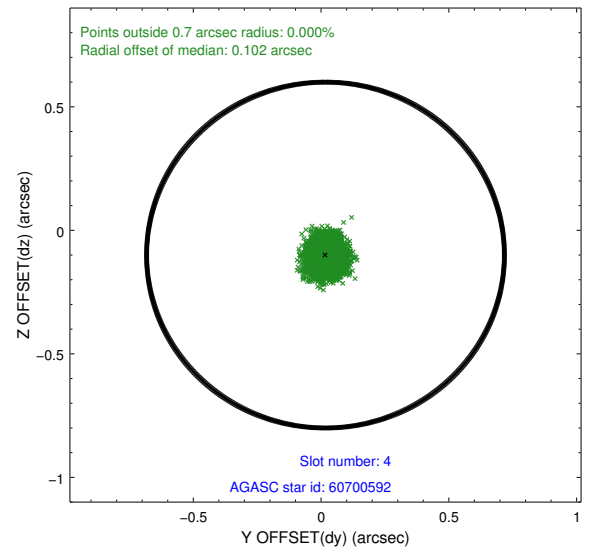
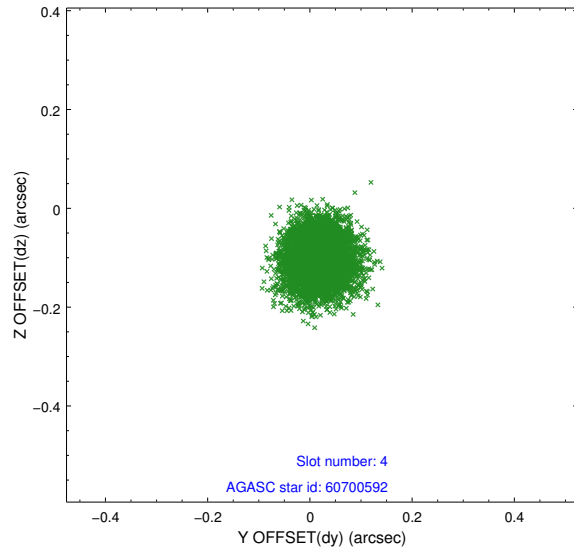
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2553	-0.027	0.009	0.007	0.011	0.000000	0.000000	-755.49	-1726.68
1	FID	ACIS-S-4	7.20	2553	-0.044	0.010	0.005	0.009	0.000000	0.000000	2157.49	181.37
2	FID	ACIS-S-5	7.24	2553	0.040	-0.011	0.007	0.012	0.000000	0.000000	-1807.67	175.48
3	GUIDE	60717264	7.40	5104	0.120	0.124	0.062	0.104	288.494203	0.125541	-2271.10	-2089.15
4	GUIDE	60700592	8.06	5104	0.017	-0.100	0.058	0.091	287.530354	0.932002	1285.96	705.23
5	GUIDE	60706688	8.71	5103	0.051	-0.105	0.074	0.119	287.637938	0.689635	352.97	507.20
6	GUIDE	60698176	8.87	5105	-0.241	-0.000	0.080	0.128	287.425571	1.234708	2430.24	849.63
7	GUIDE	60705928	8.98	5103	0.043	0.088	0.154	0.229	287.833535	0.715711	299.53	-200.89

## 2.4 Star Slots

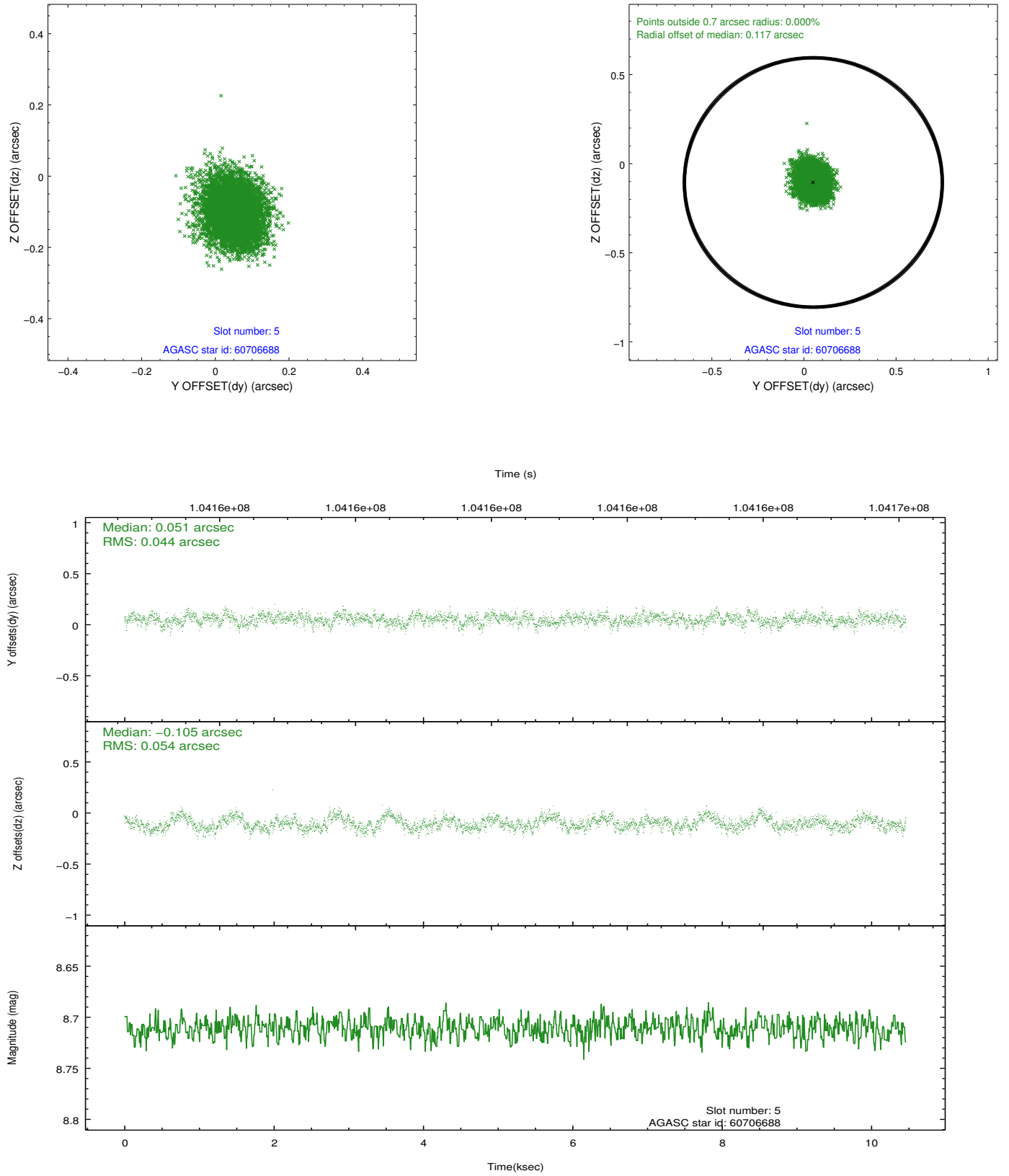
### 2.4.1 Slot 3



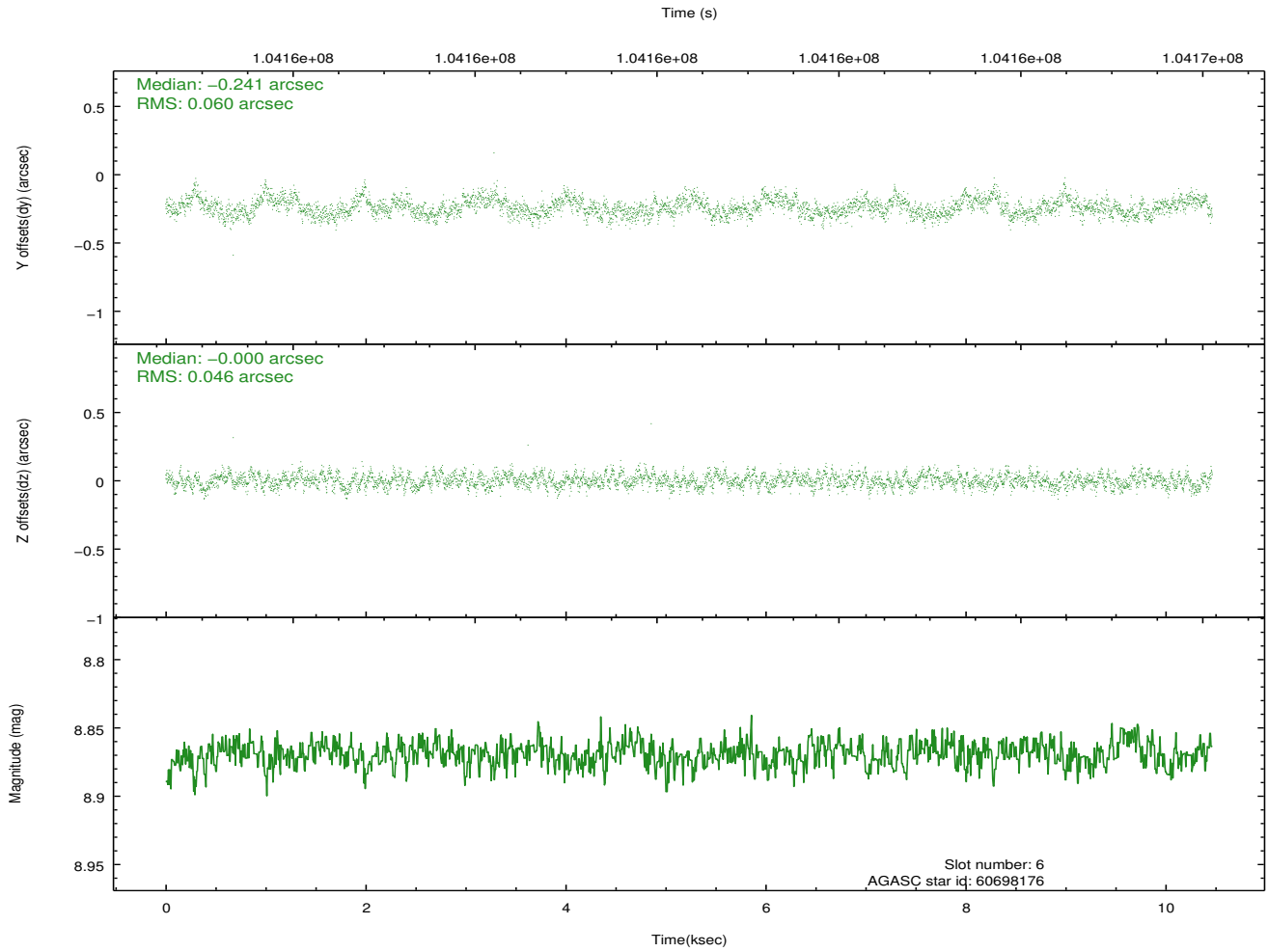
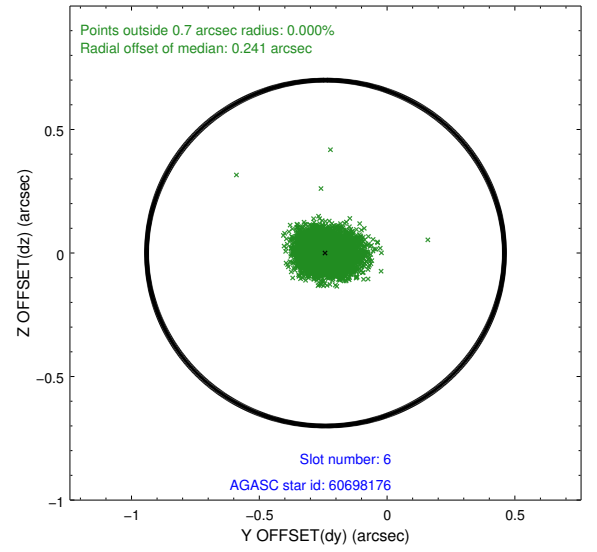
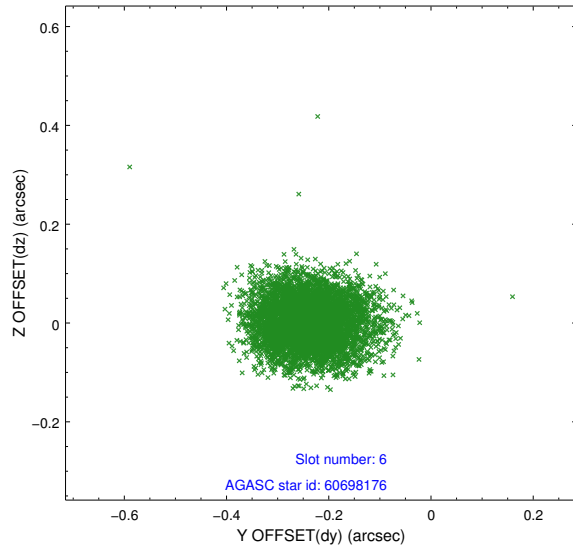
## 2.4.2 Slot 4



### 2.4.3 Slot 5

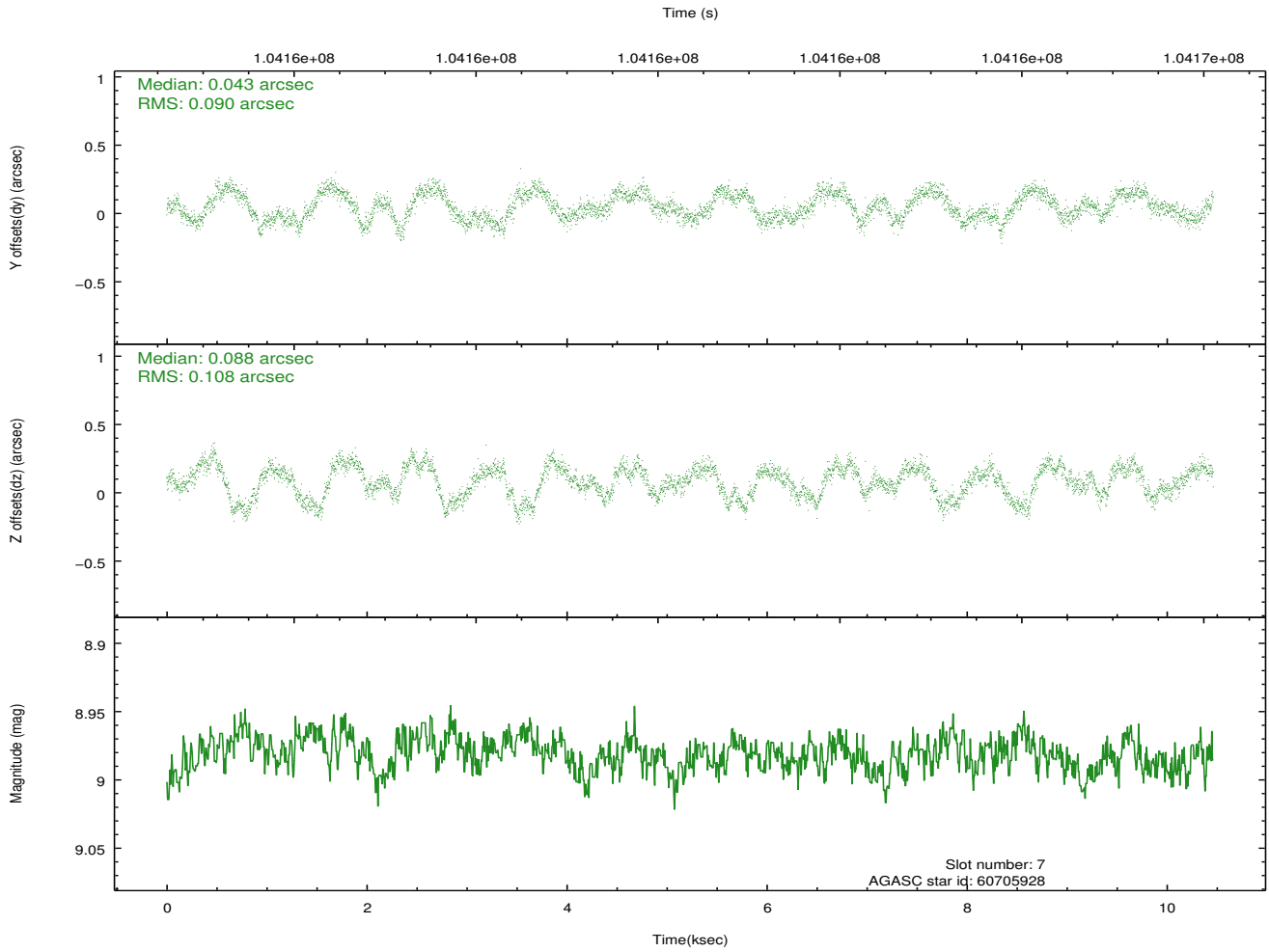
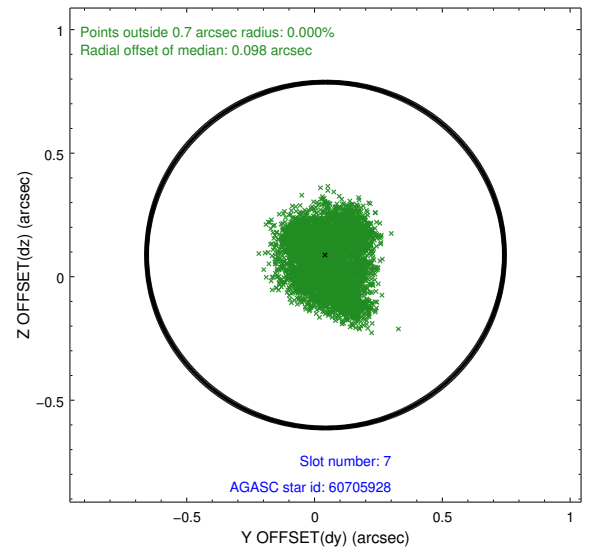
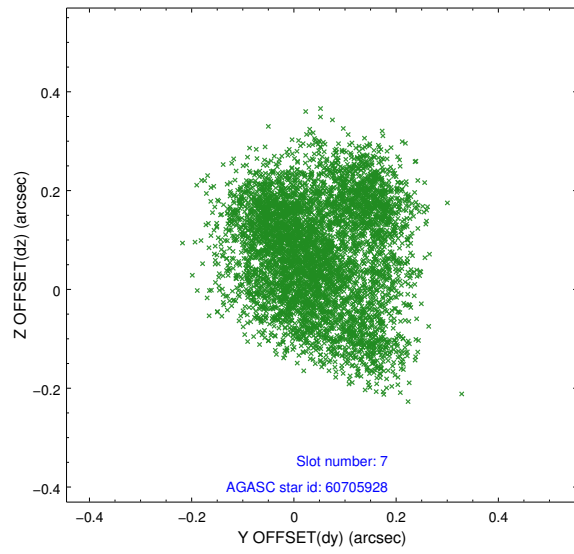


## 2.4.4 Slot 6



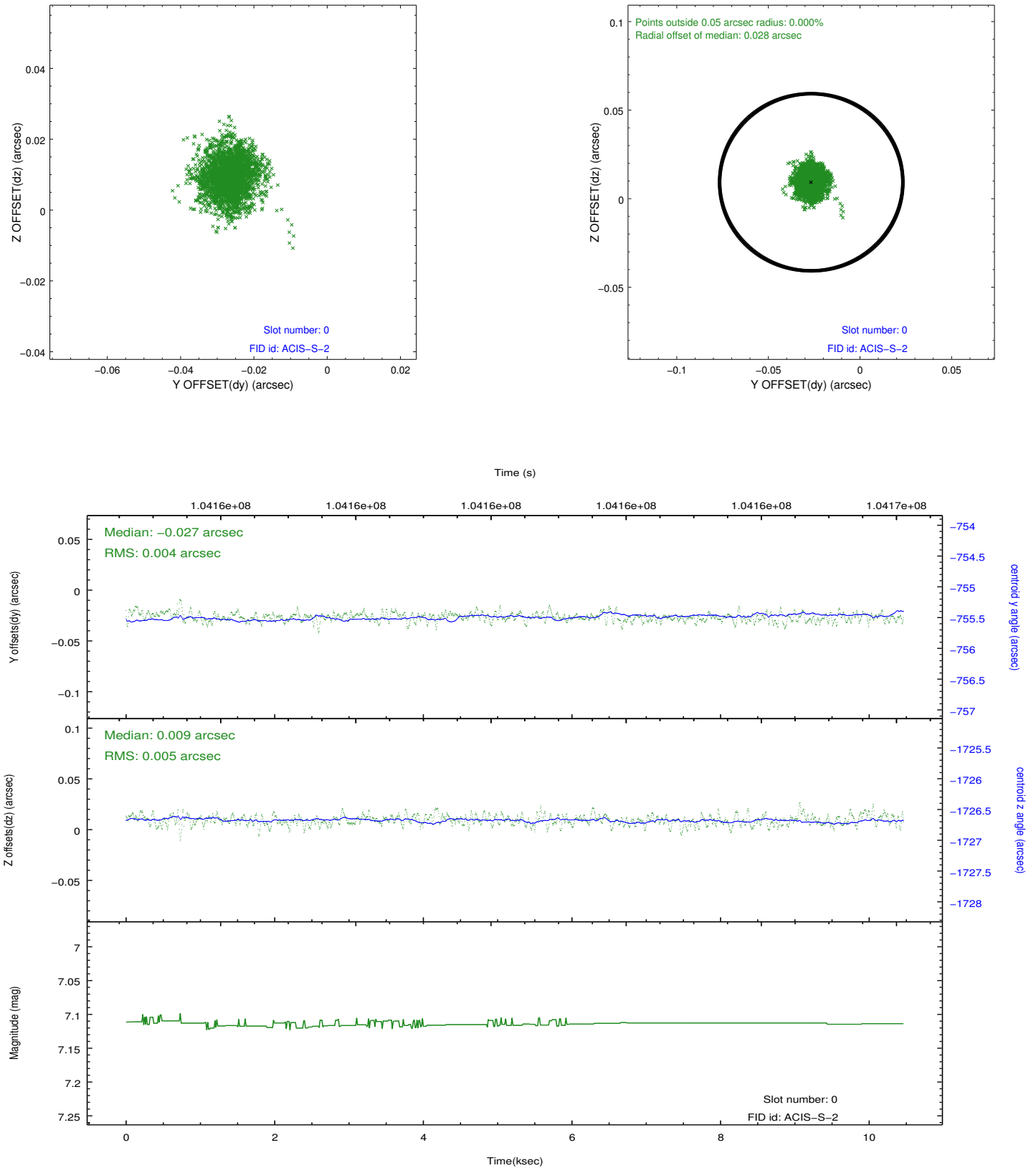


## 2.4.5 Slot 7

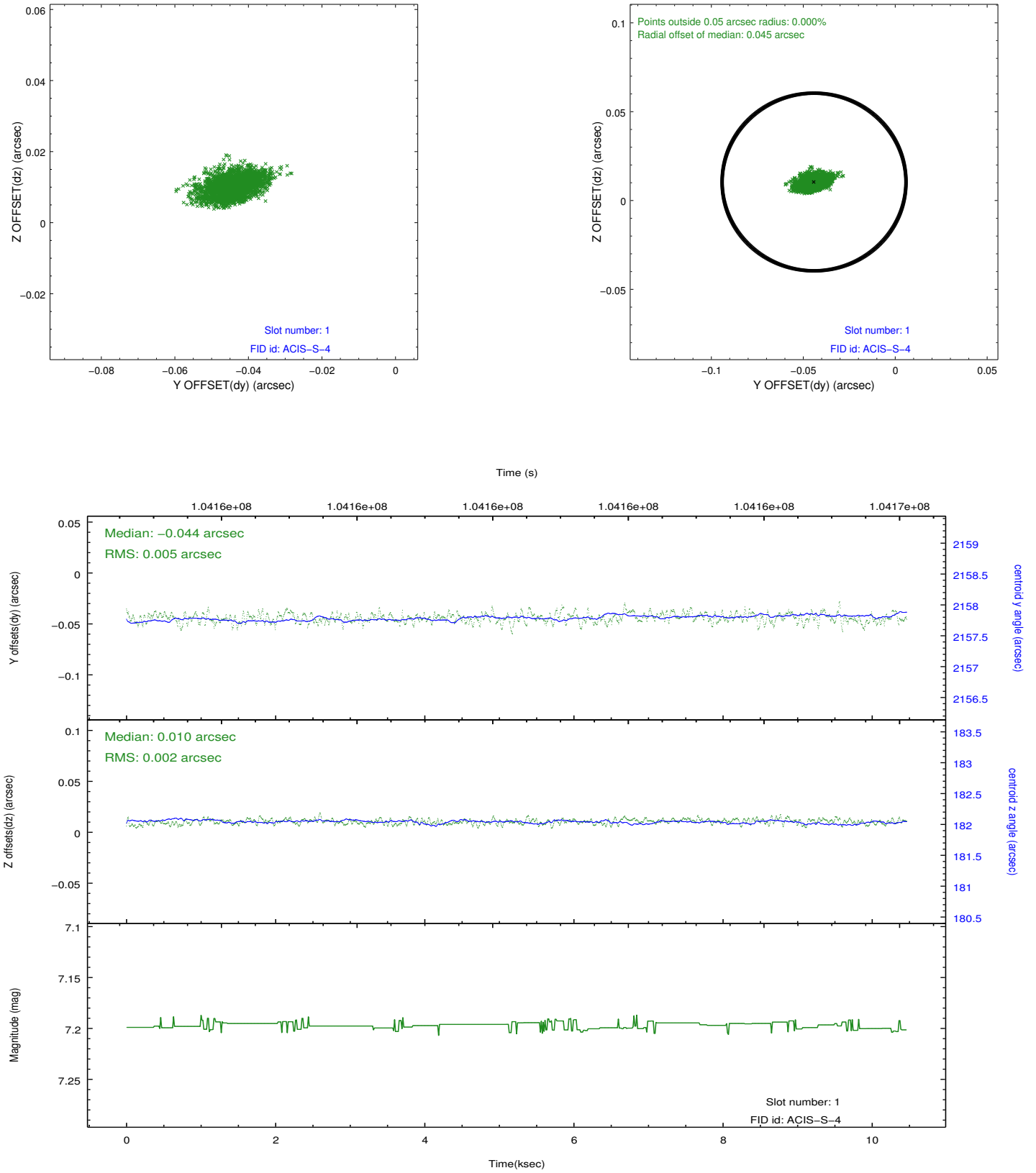


## 2.5 FID Slots

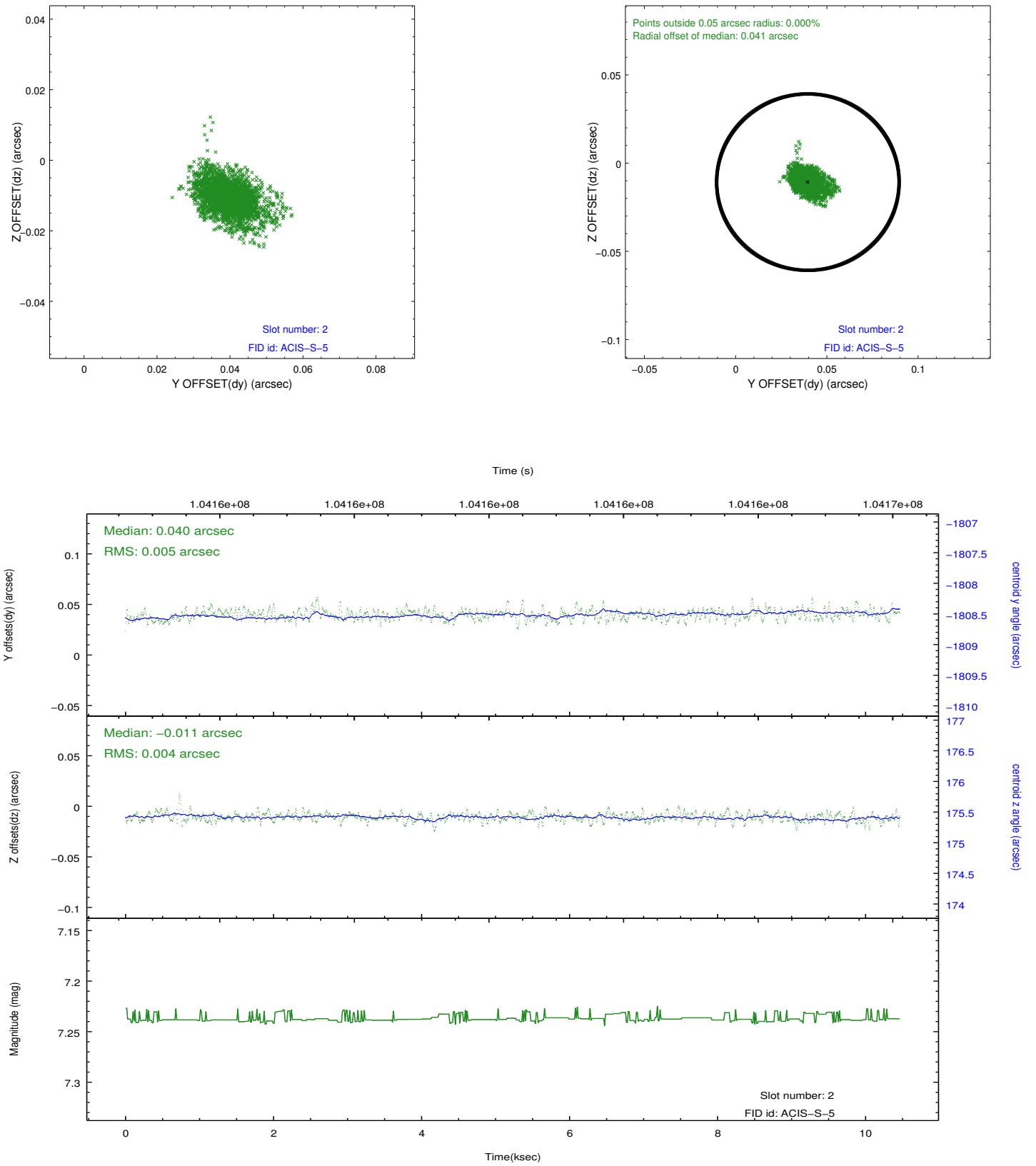
### 2.5.1 Slot 0



## 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)	2012.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.194

### A.2 Comments

Monitor constraint met.