

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2340 - L2 Version 3  
Chandra X-Ray Center

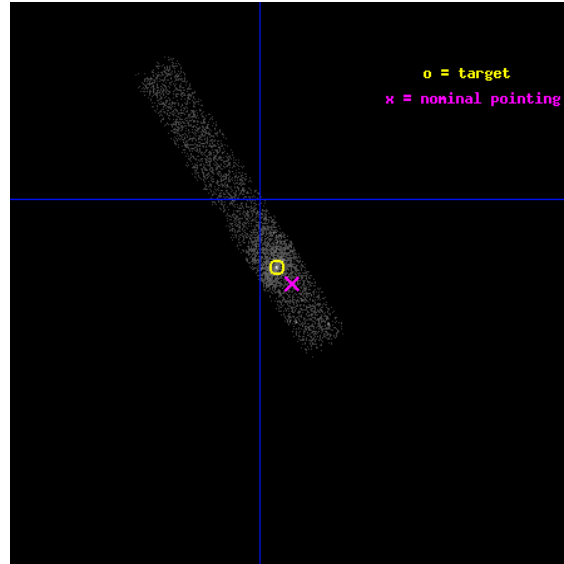
L2 Processing Date : Sep 16 2012

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# 1 Front

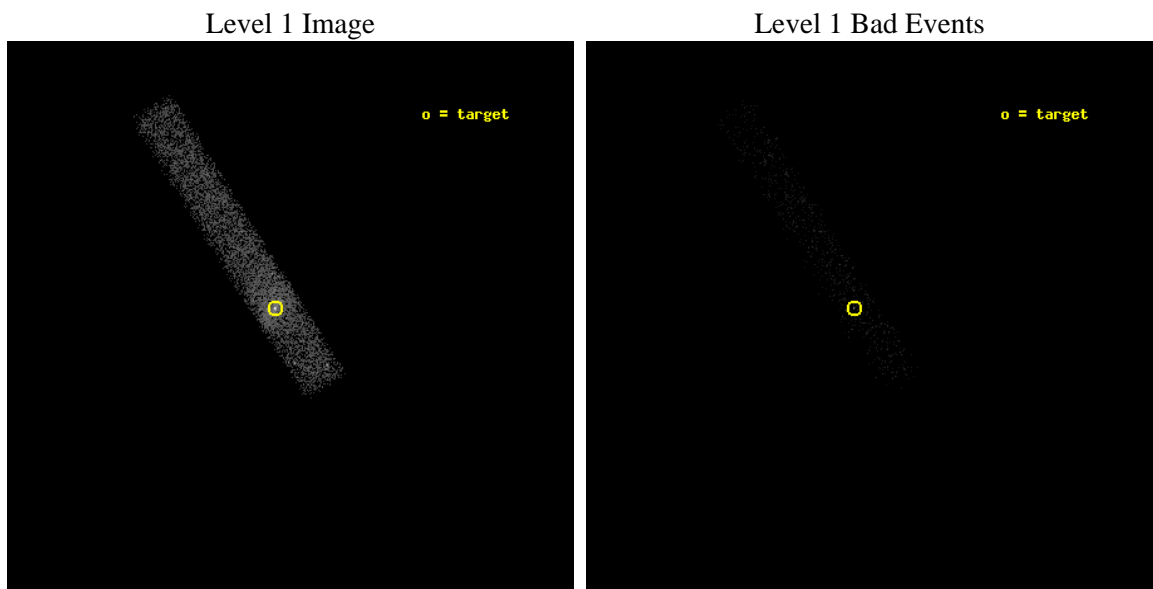
seq_num	700391	Sequence number
obs_id	2340	Observation id
title	STUDIES OF RADIO JETS AND THE NARROW LINE REGIONS OF ACTIVE GALAXIES	&#160
observer	Professor Andrew Wilson	Principal investigator
object	NGC4258	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	184.739583	Observer's specified target RA [deg]
dec_targ	47.303944	Observer's specified target Dec [deg]
ra_nom	184.7297825065	Nominal RA [deg]
dec_nom	47.296814641182	Nominal Dec [deg]
roll_nom	237.60922340094	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7646.220901683	Sum of GTIs [s]
livetime	6934.7187571948	Livetime [s]
ontime7	7646.220901683	Sum of GTIs [s]
l2events	7452	Number of level 2 events



## 2 OBI

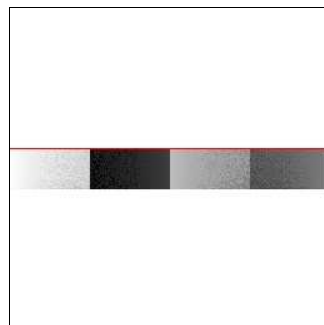
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6800.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7646.220901683	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime7	7646.220901683	Sum of GTIs [s]
date	2012-09-17T00:50:32	Date and time of file creation	l1events	11890	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	11890
rejected events	4267
rejected %	35%

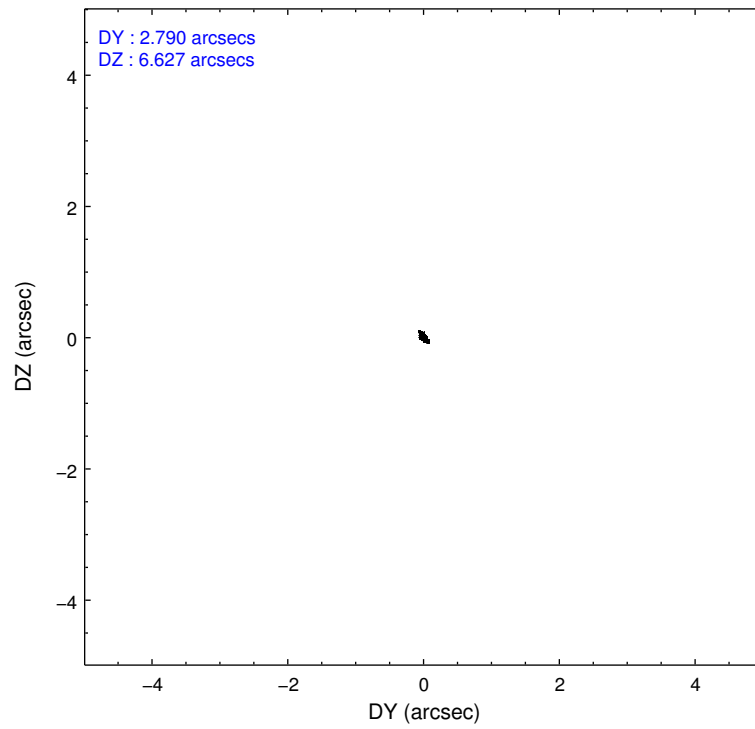
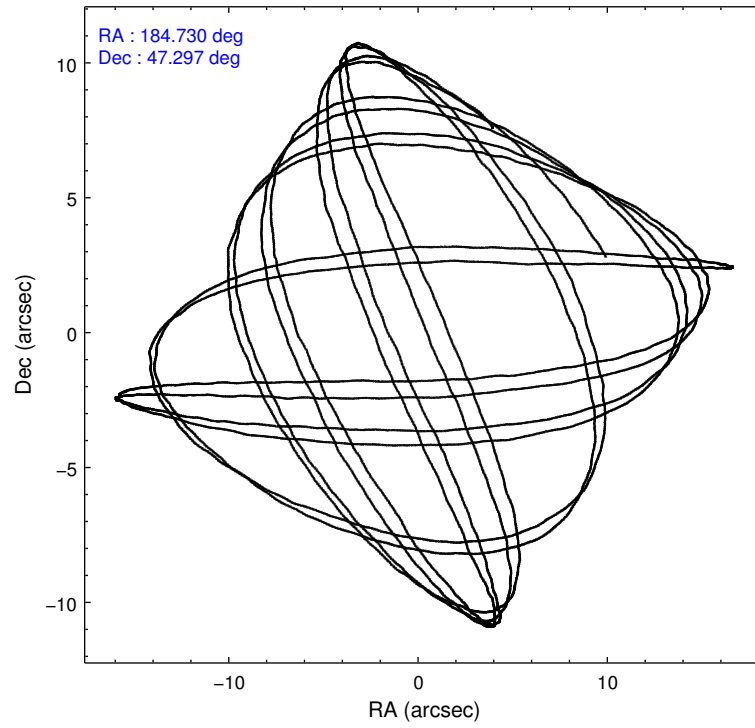
	<b>ccd 7</b>
grade 0 events	1575
	13%
grade 1 events	10
	0%
grade 2 events	1664
	13%
grade 3 events	885
	7%
grade 4 events	954
	8%
grade 5 events	781
	6%
grade 6 events	2545
	21%
grade 7 events	3476
	29%

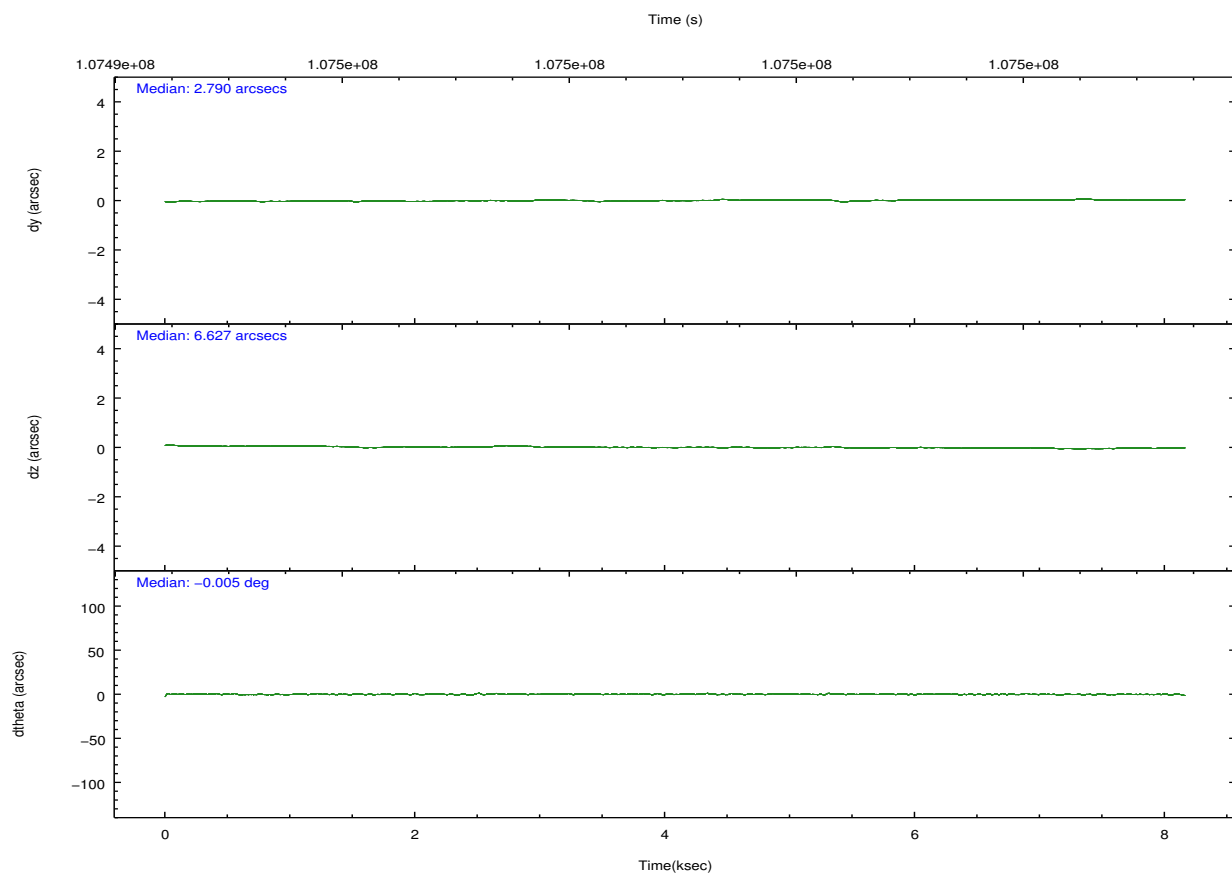
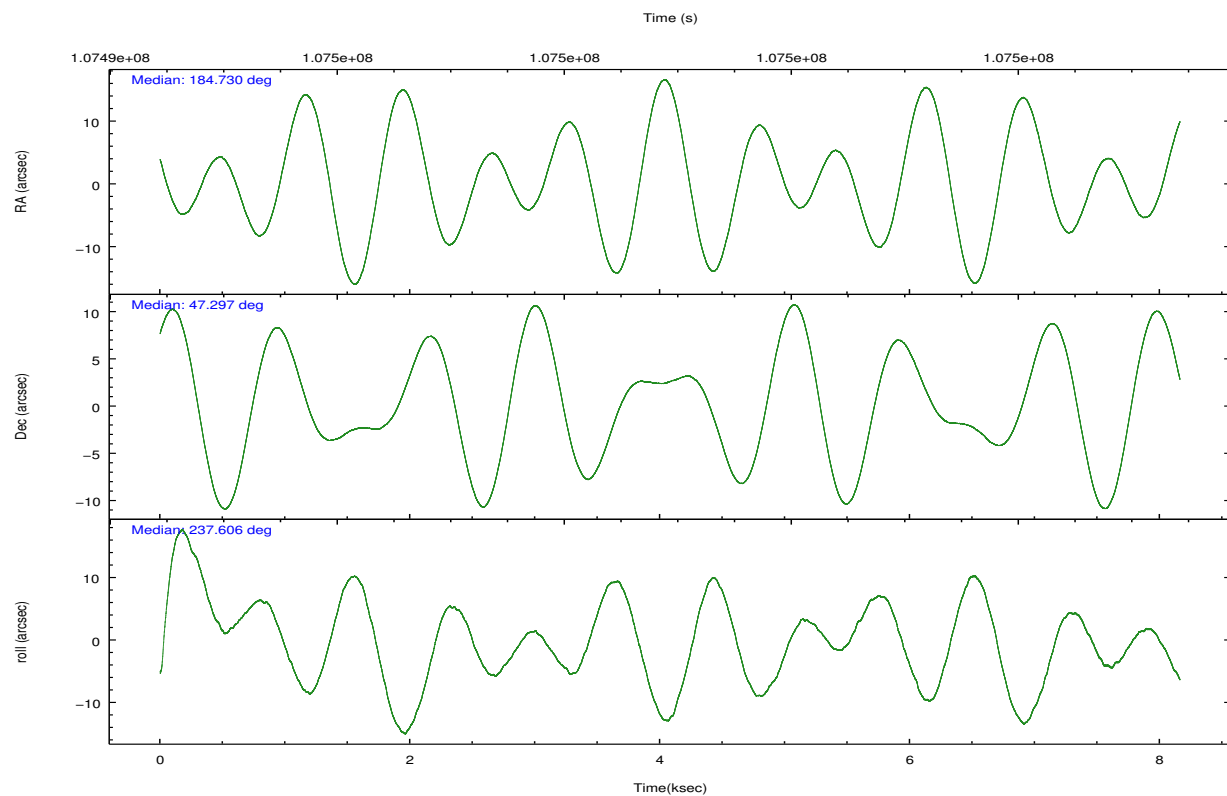


## 2.2 Compared Parameters

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	184.731091	184.7297825064955	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	47.324033	47.29681464118197	Subarray start row	447	447
[deg] Pointing Roll	237.451636	237.6092234009375	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)	107496214.184000	107494667.84603			
Observation start date	2001-05-29T04:02:30	2001-05-29T03:37:47			
[s] Observation end time (MET)	107503014.184000	107503432.10887			
Observation end date	2001-05-29T05:55:50	2001-05-29T06:03:52			
Read mode	TIMED	TIMED			

## 2.3 Aspect



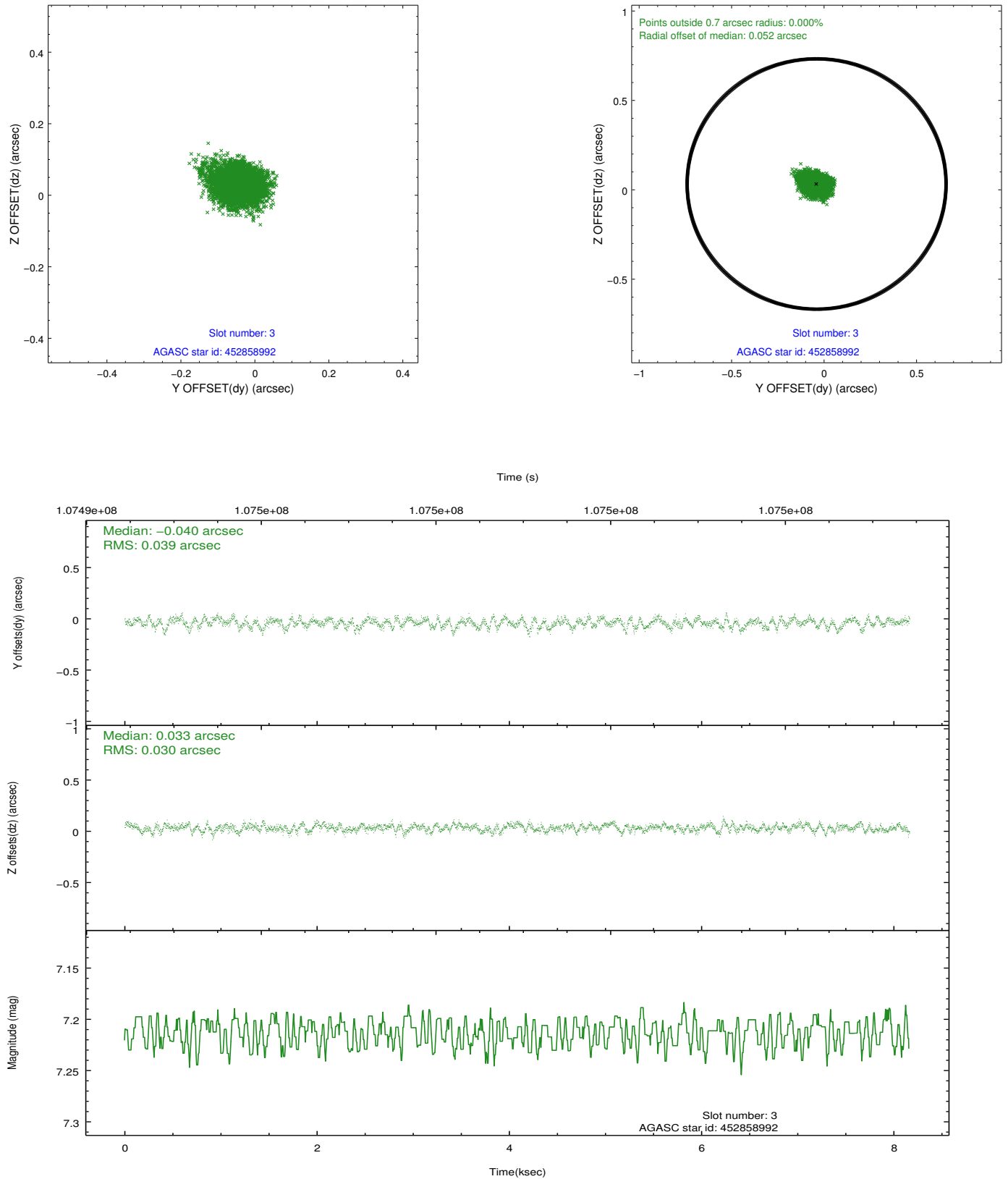


### Slot Statistics

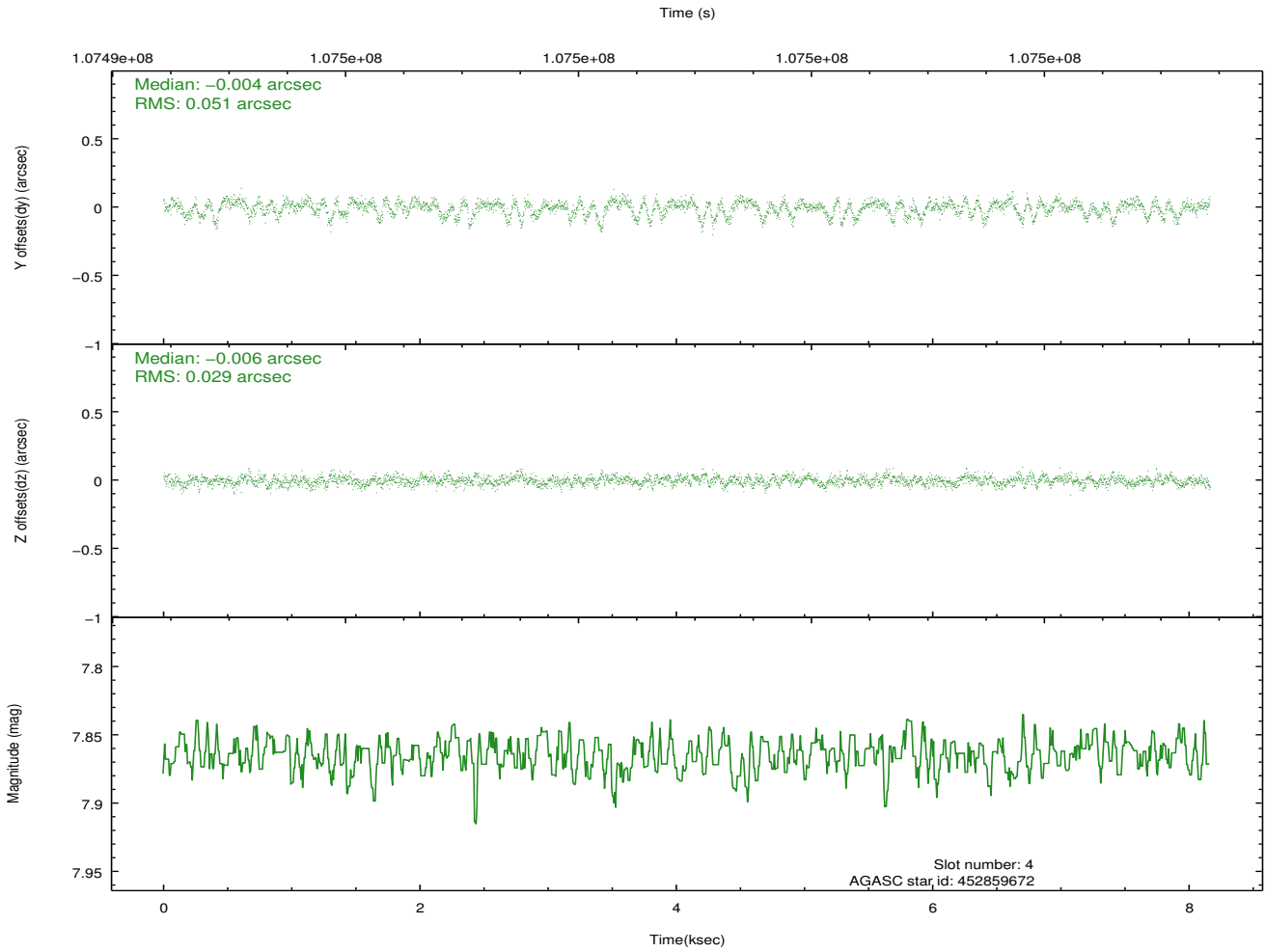
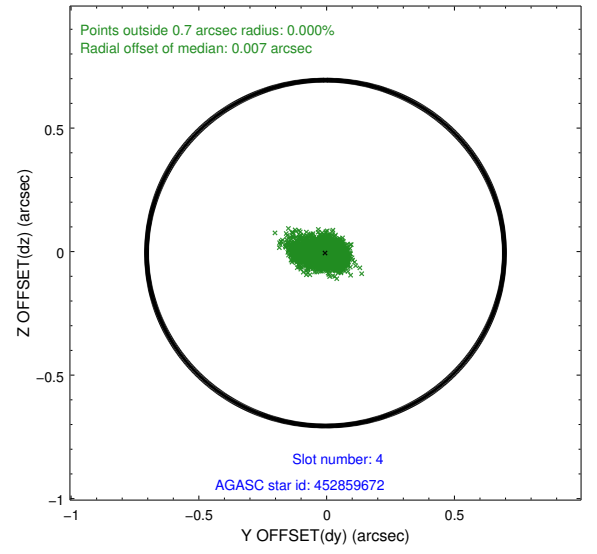
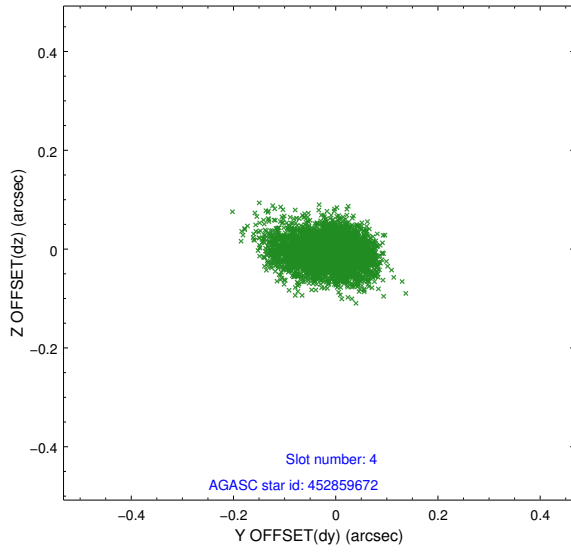
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1990	-0.013	0.011	0.008	0.016	0.000000	0.000000	-755.42	-1727.78
1	FID	ACIS-S-4	7.20	1990	-0.061	0.003	0.008	0.024	0.000000	0.000000	2157.48	180.02
2	FID	ACIS-S-5	7.24	1991	0.042	-0.006	0.008	0.019	0.000000	0.000000	-1807.35	174.42
3	GUIDE	452858992	7.21	3982	-0.040	0.033	0.053	0.084	183.815161	47.115501	1829.29	-1494.07
4	GUIDE	452859672	7.86	3982	-0.004	-0.006	0.060	0.110	183.661987	47.013592	2339.57	-1620.19
5	GUIDE	452858496	8.69	3981	0.204	-0.113	0.101	0.177	183.591783	47.048083	2324.98	-1832.20
6	GUIDE	452856552	8.65	3980	-0.160	0.048	0.069	0.111	184.964211	47.802867	-1756.32	-452.76
7	GUIDE	452859952	8.91	3979	-0.002	0.038	0.064	0.103	183.979507	47.127047	1580.63	-1174.52

## 2.4 Star Slots

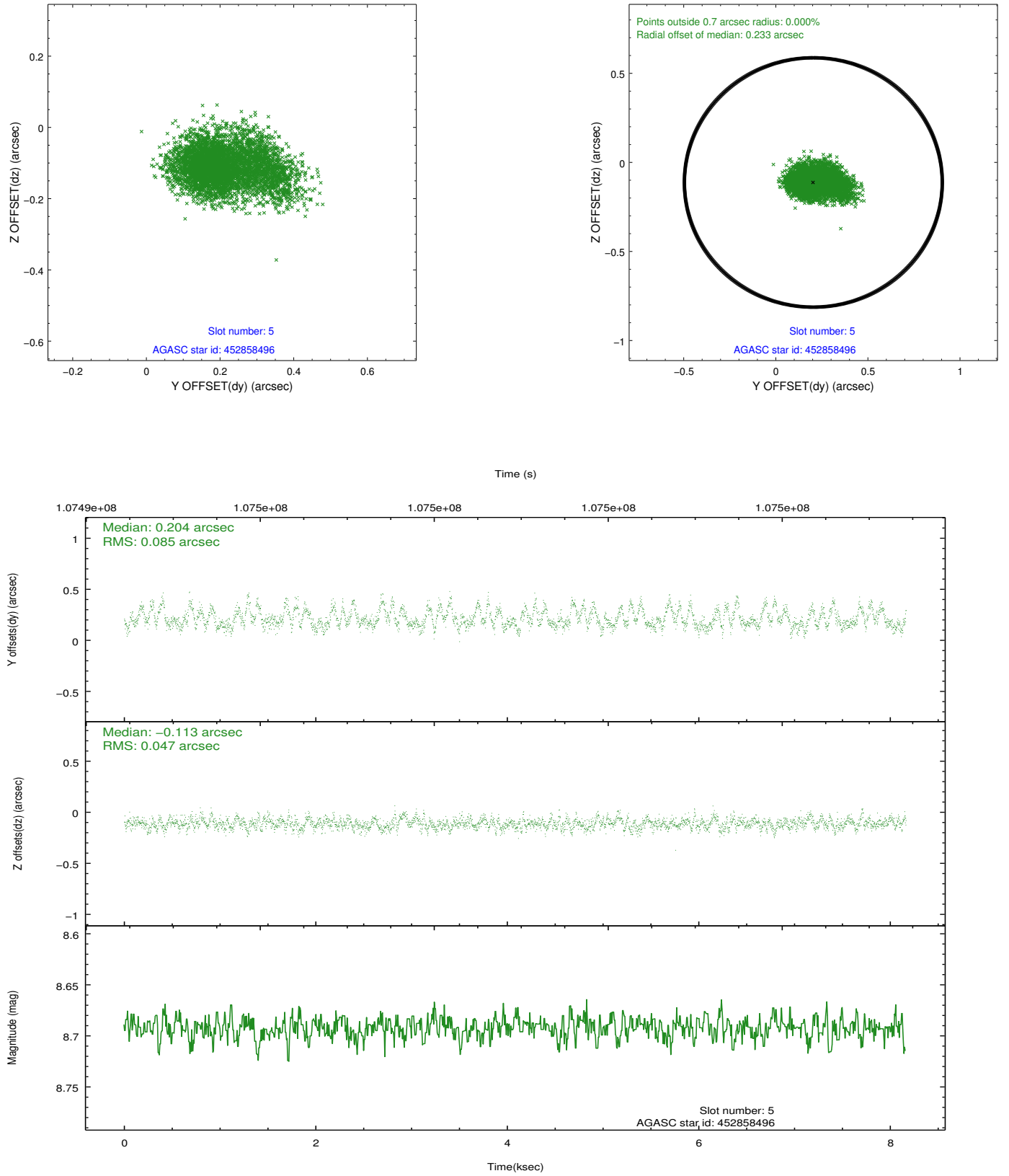
### 2.4.1 Slot 3



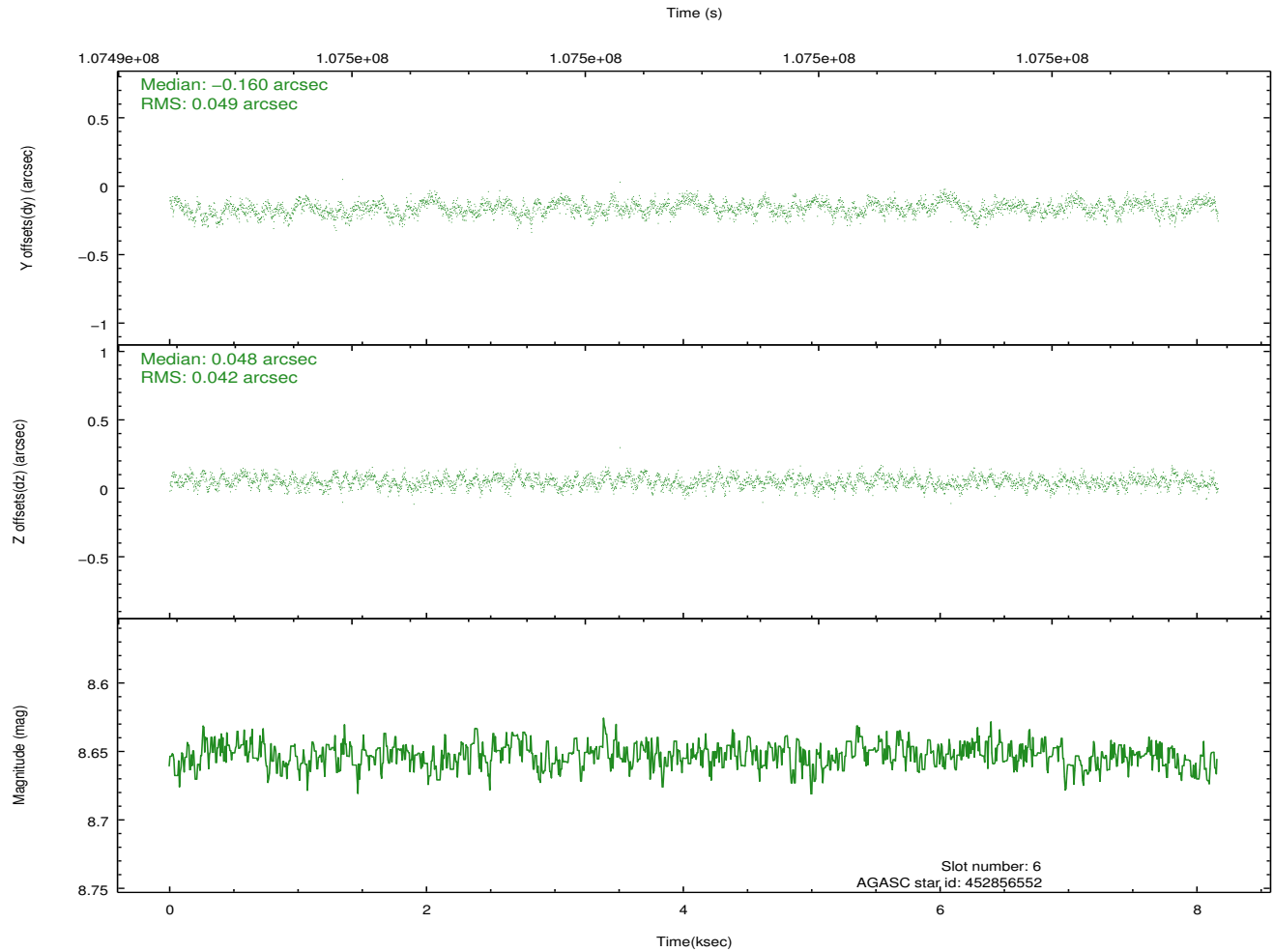
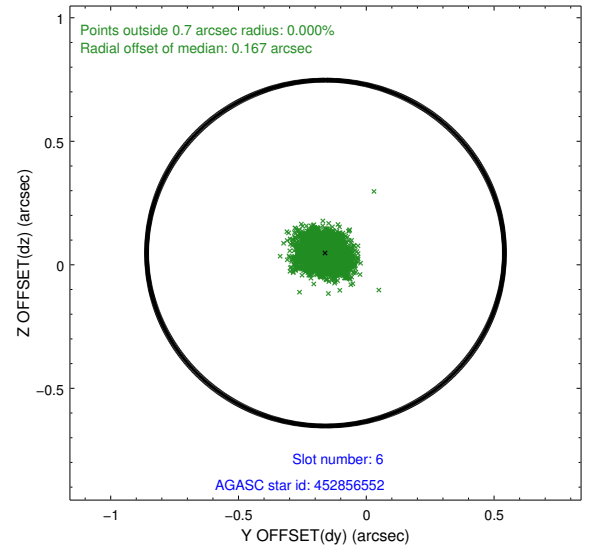
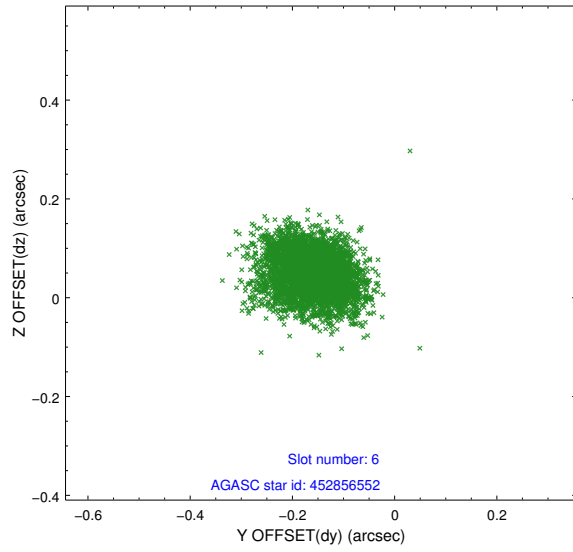
## 2.4.2 Slot 4



### 2.4.3 Slot 5

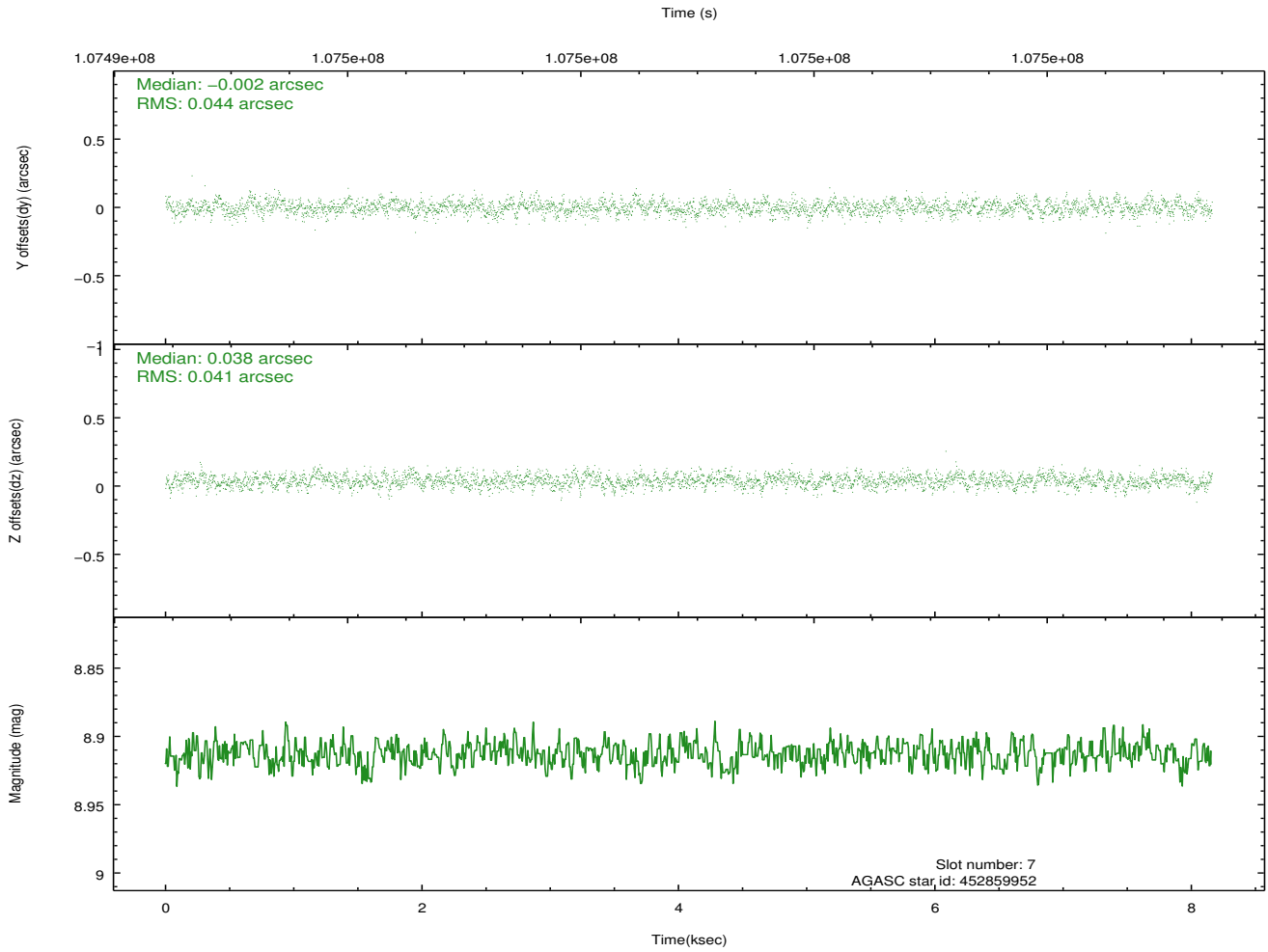
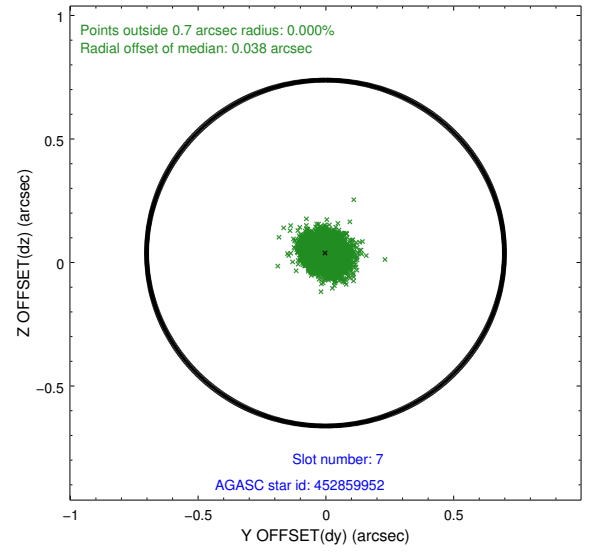
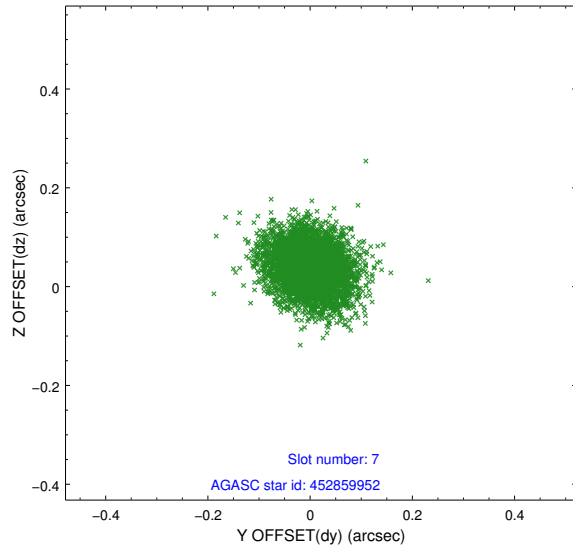


## 2.4.4 Slot 6



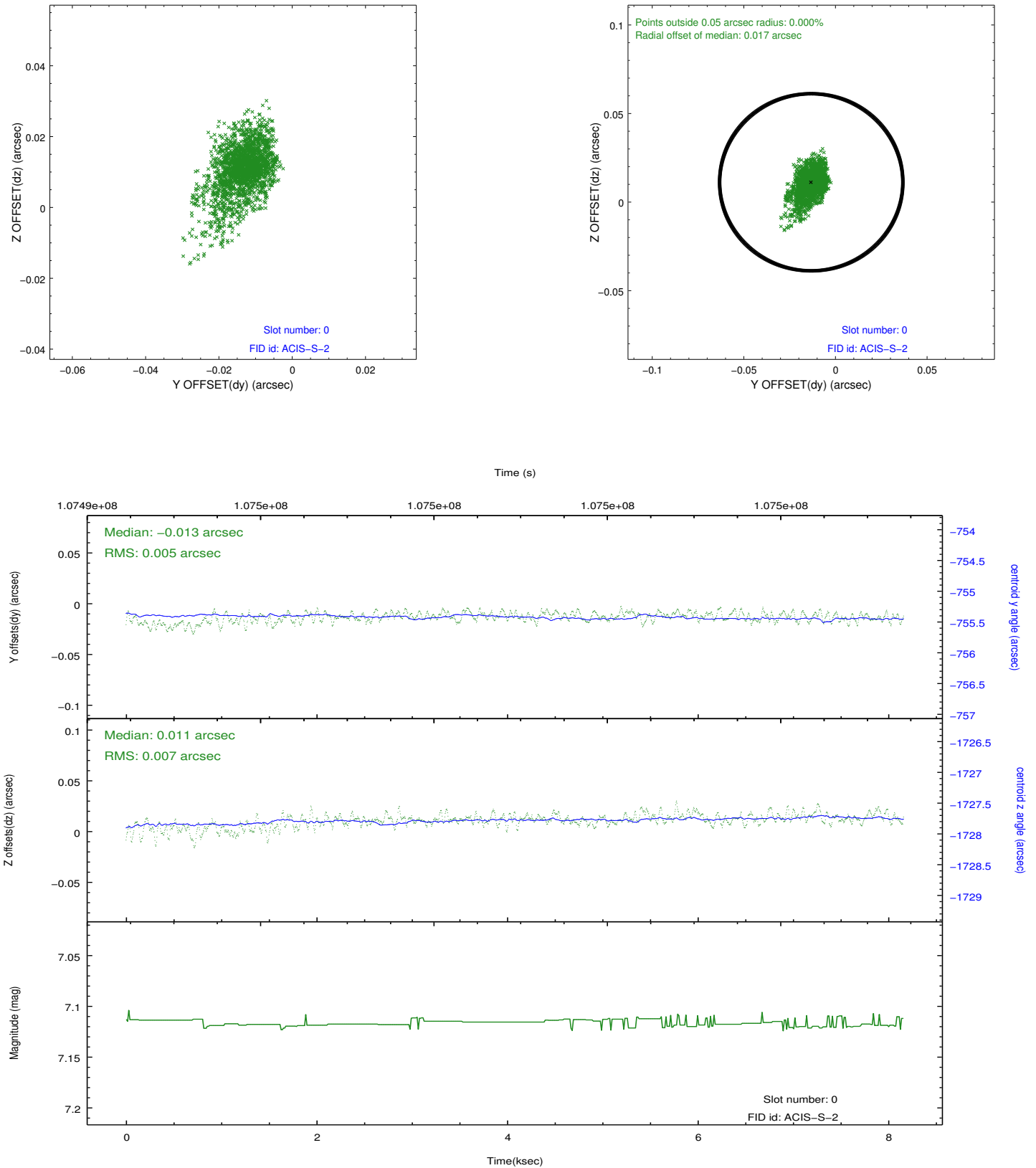


## 2.4.5 Slot 7

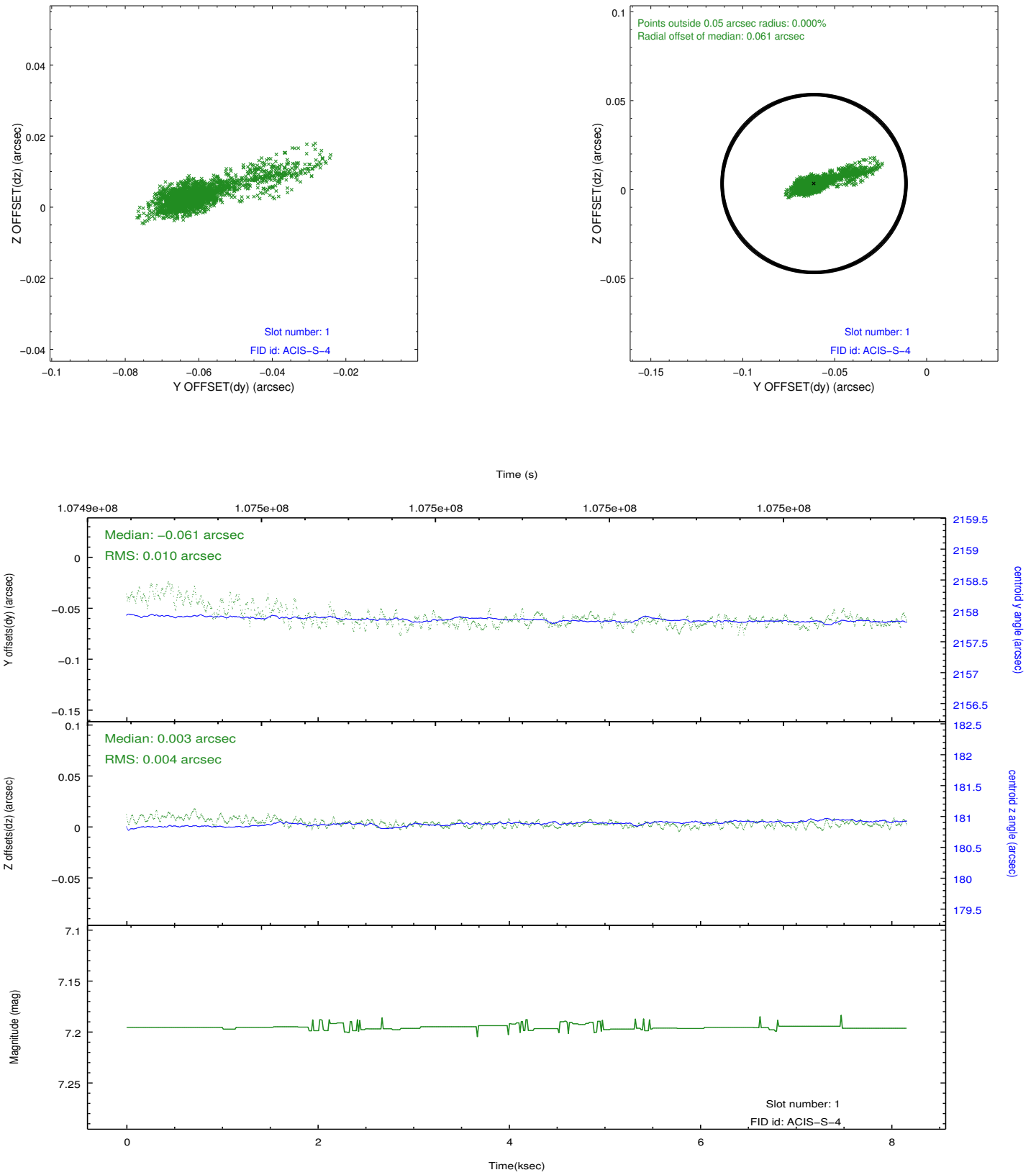


## 2.5 FID Slots

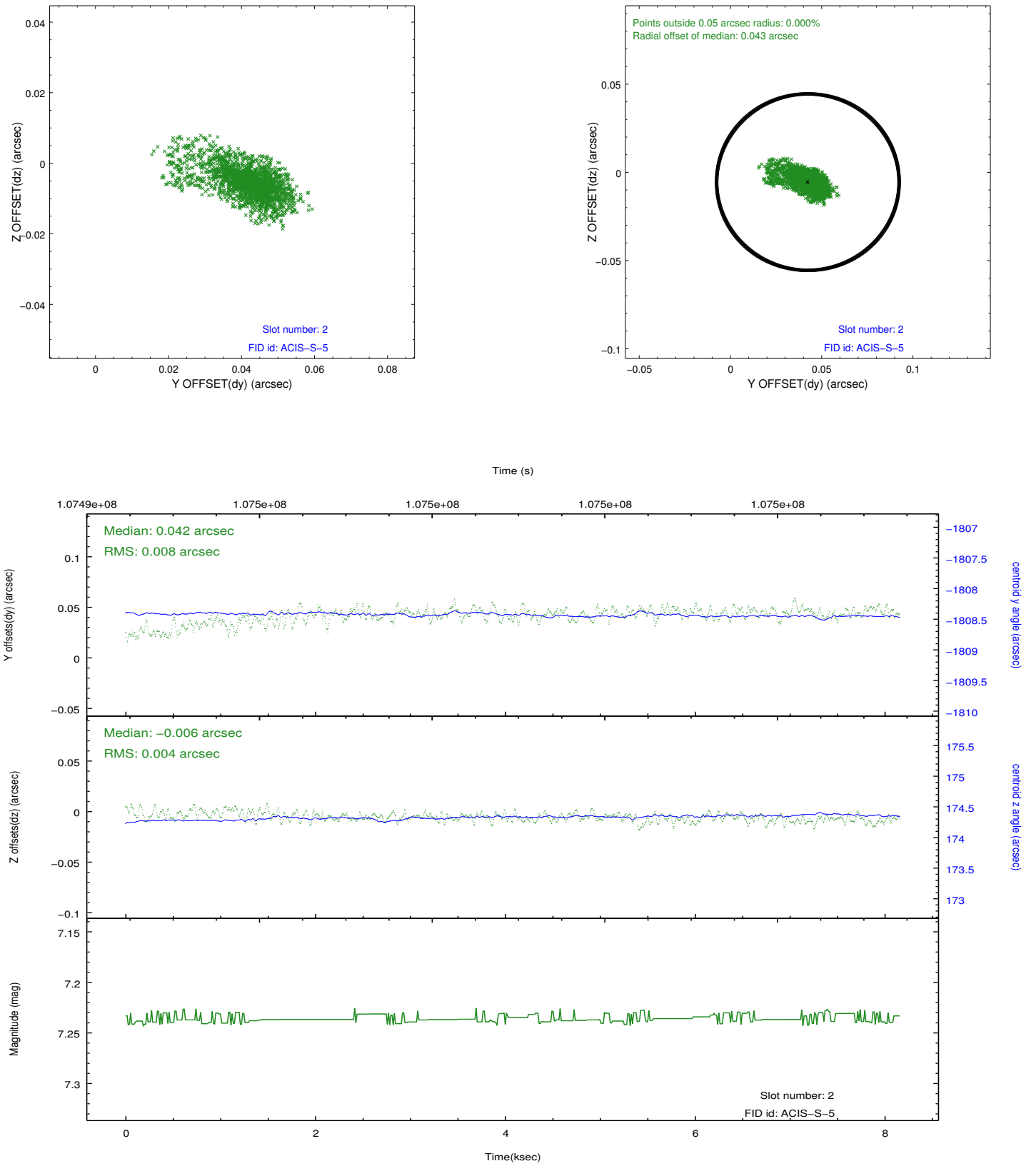
### 2.5.1 Slot 0



## 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)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.646

### A.2 Comments

Monitor constraint met.