

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 6300 - L2 Version 2  
Chandra X-Ray Center

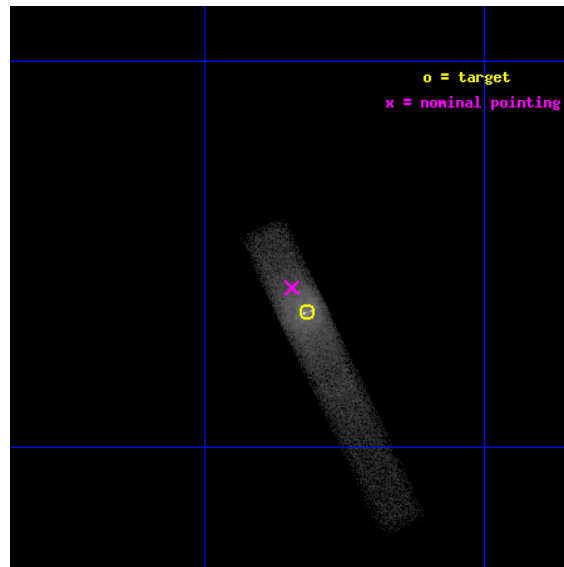
L2 Processing Date : Mar 21 2012

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# 1 Front

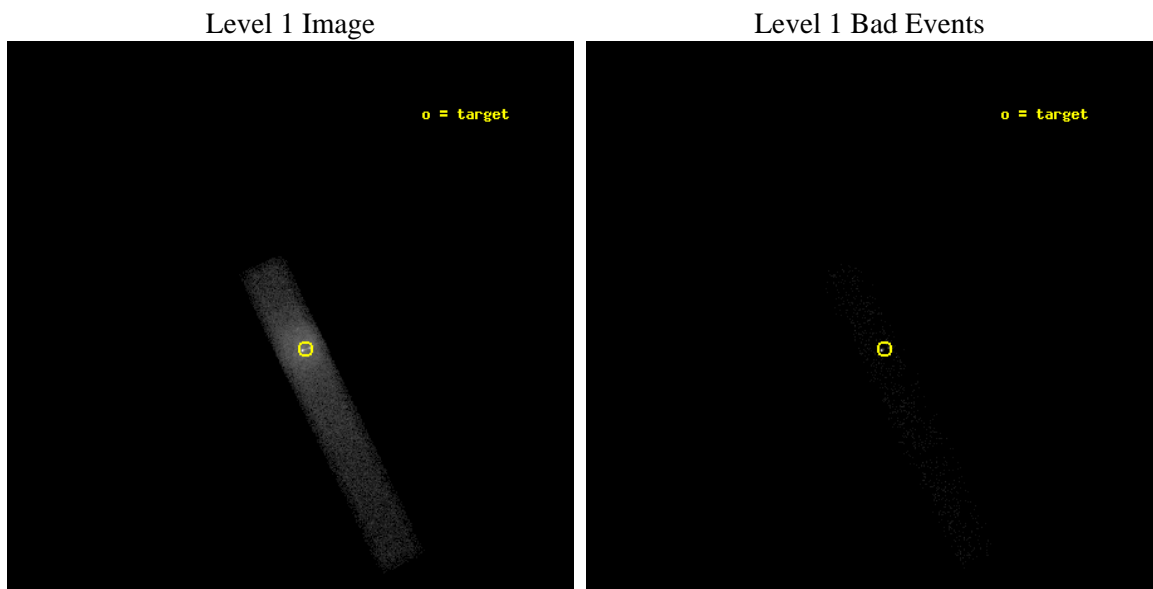
seq_num	701182	Sequence number
obs_id	6300	Observation id
title	HST / Chandra Monitoring of a Dramatic Flare in the M87 Jet	Propos
observer	Dr. John Biretta	Principal investigator
object	M87	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.71119089233	Nominal RA [deg]
dec_nom	12.402114666972	Nominal Dec [deg]
roll_nom	64.155159829665	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5138.4000765383	Sum of GTIs [s]
livetime	4660.2576424255	Livetime [s]
ontime7	5138.4000765383	Sum of GTIs [s]
l2events	59488	Number of level 2 events



## 2 OBI

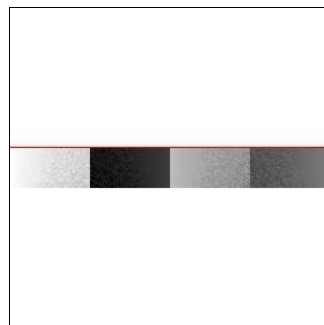
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	5138.4000765383	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime7	5138.4000765383	Sum of GTIs [s]
date	2012-03-22T00:48:17	Date and time of file creation	l1events	72998	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	72998
rejected events	12768
rejected %	17%

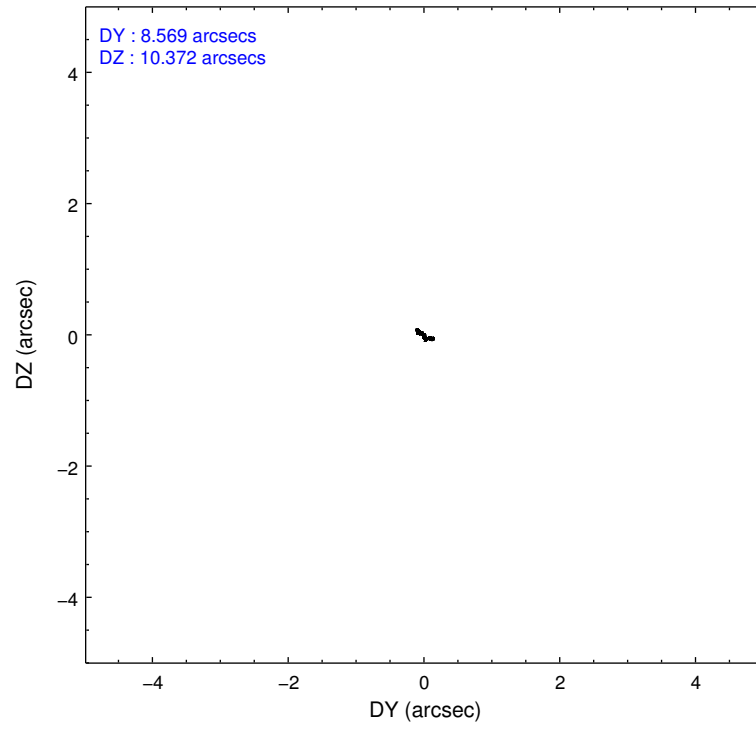
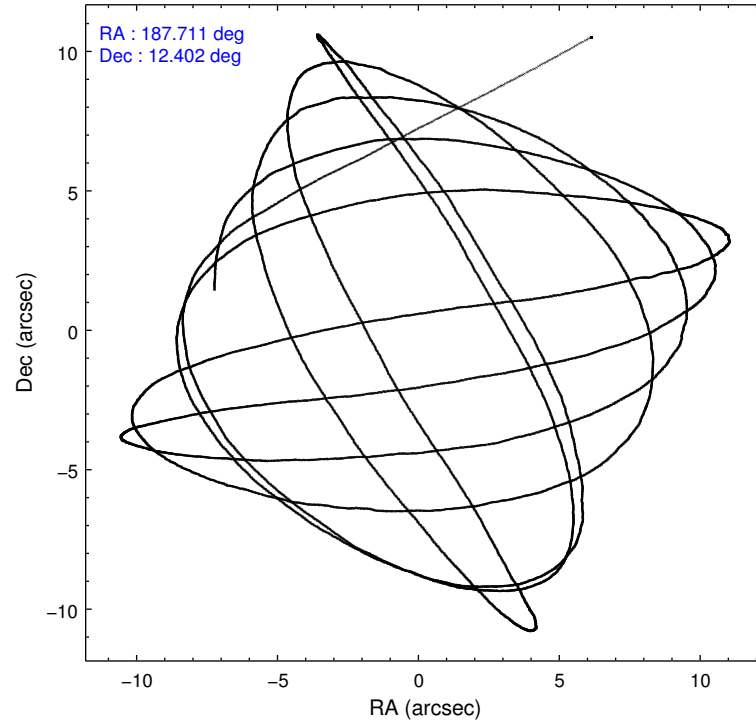
	<b>ccd 7</b>
grade 0 events	19341
	26%
grade 1 events	366
	0%
grade 2 events	15966
	21%
grade 3 events	7489
	10%
grade 4 events	7274
	9%
grade 5 events	2643
	3%
grade 6 events	13395
	18%
grade 7 events	6524
	8%

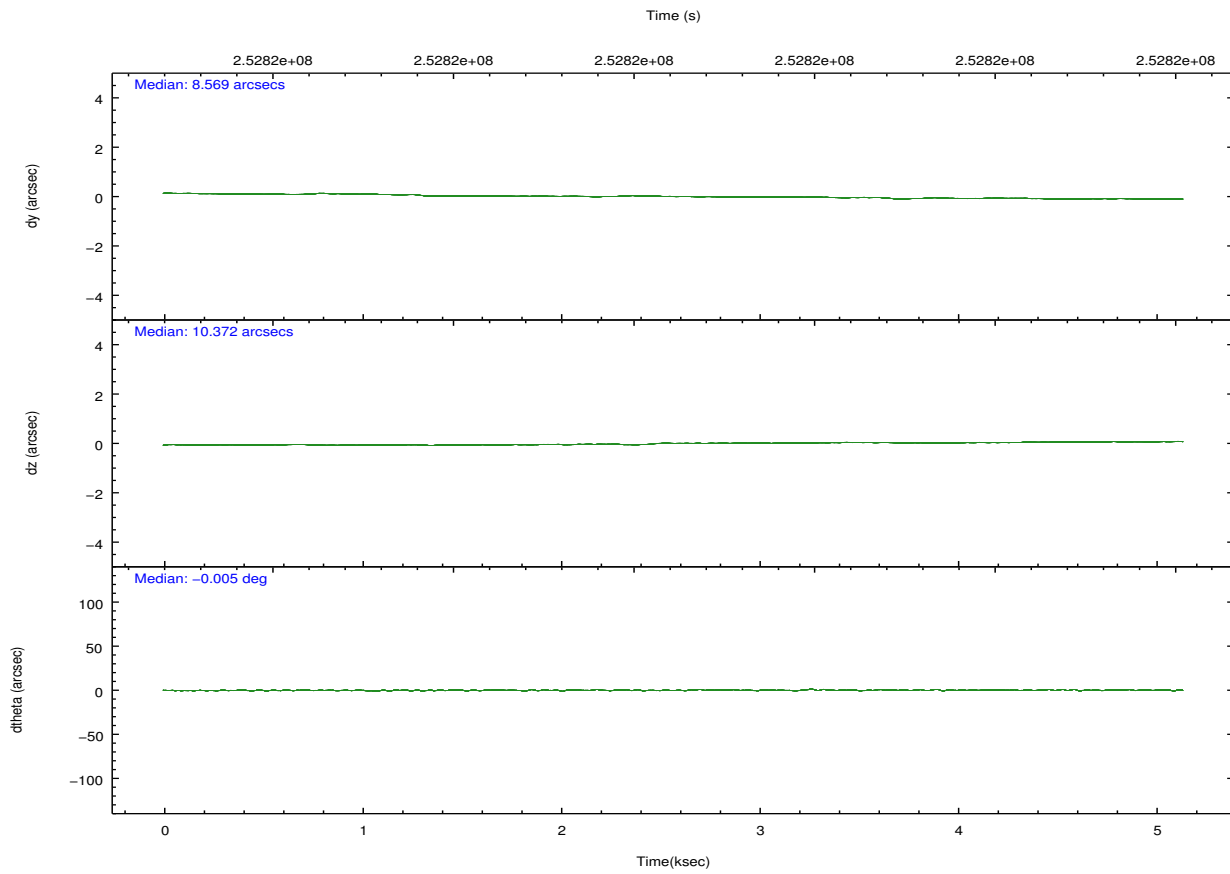
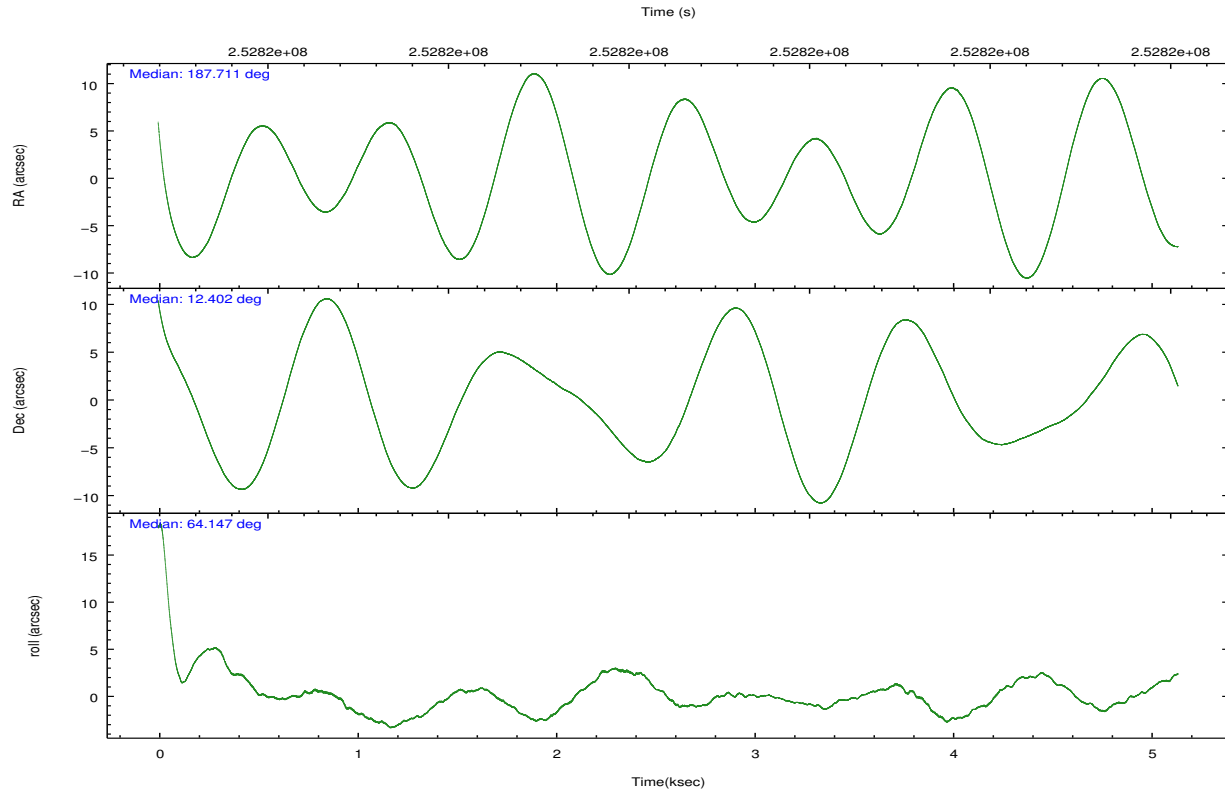


## 2.2 Compared Parameters

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	187.713649	187.7111908923343	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.374910	12.4021146669722	Subarray start row	449	449
[deg] Pointing Roll	63.997964	64.15515982966502	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)	252819780.184000	252817729.85748			
Observation start date	2006-01-05T03:41:55	2006-01-05T03:08:49			
[s] Observation end time (MET)	252824780.184000	252825412.74534			
Observation end date	2006-01-05T05:05:15	2006-01-05T05:16:52			
Read mode	TIMED	TIMED			

## 2.3 Aspect



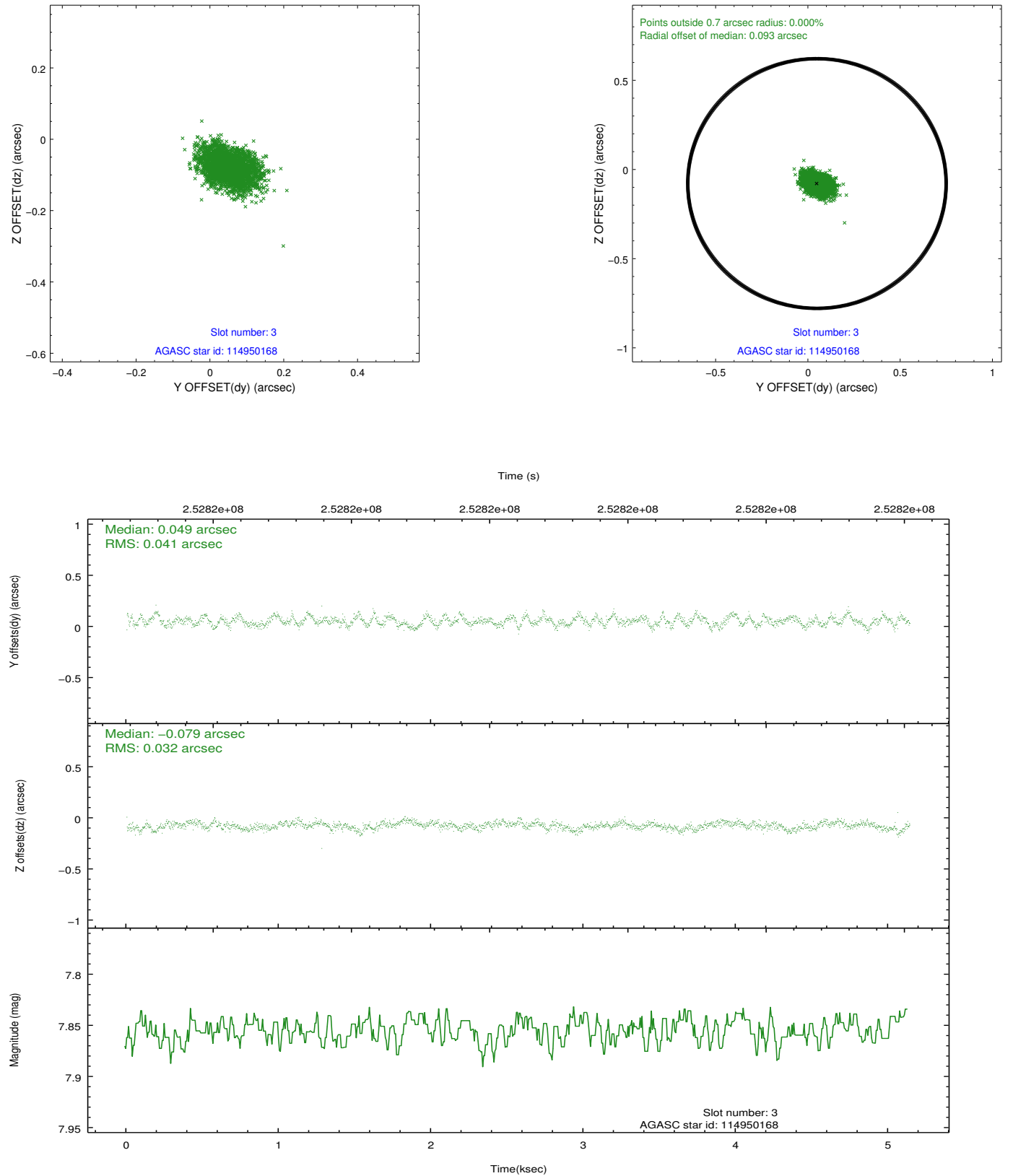


### Slot Statistics

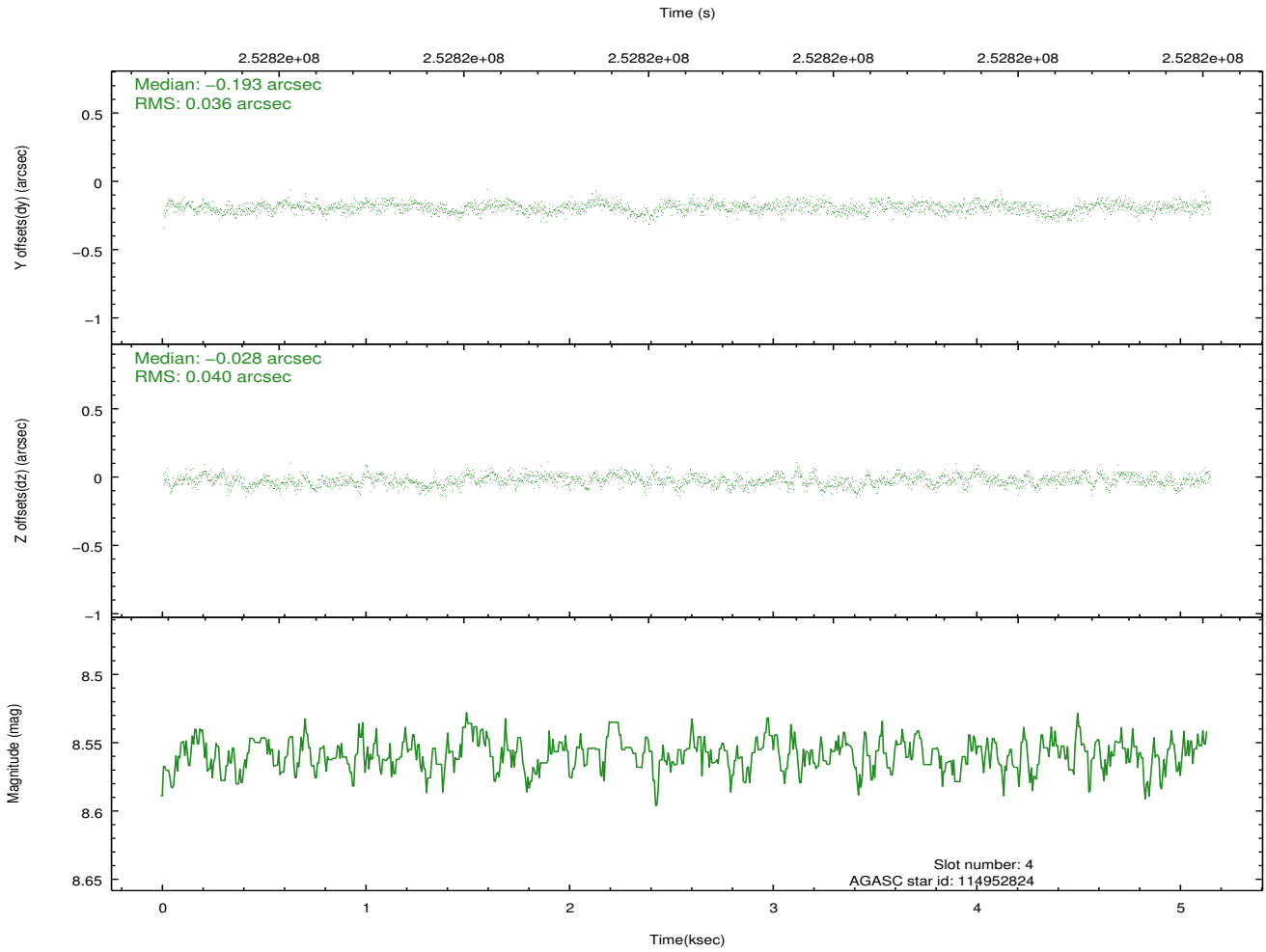
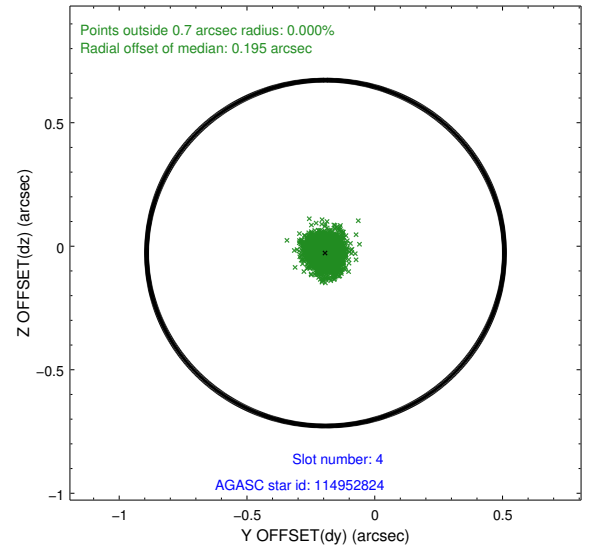
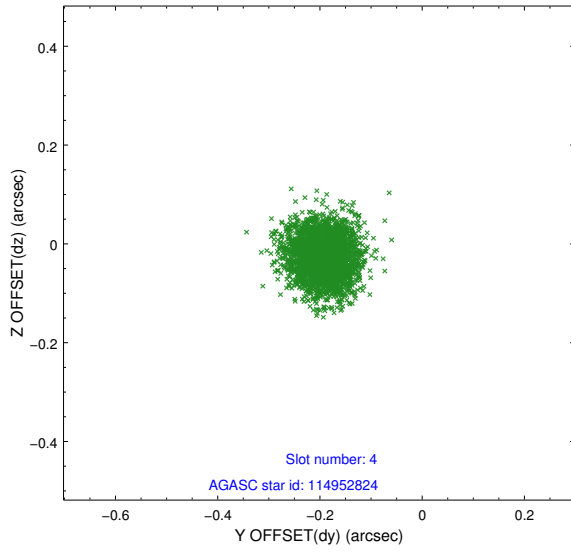
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1254	-0.043	-0.020	0.007	0.010	0.000000	0.000000	-761.36	-1731.65
1	FID	ACIS-S-4	7.21	1254	0.139	0.026	0.006	0.010	0.000000	0.000000	2151.51	175.72
2	FID	ACIS-S-5	7.23	1253	-0.127	0.002	0.007	0.012	0.000000	0.000000	-1812.82	170.62
3	GUIDE	114950168	7.85	2508	0.049	-0.079	0.055	0.090	187.143398	12.117441	-1711.35	1398.30
4	GUIDE	114952824	8.56	2508	-0.193	-0.028	0.058	0.093	187.703904	12.486727	345.76	208.12
5	GUIDE	114954440	9.20	2506	0.117	-0.265	0.099	0.155	186.915066	12.219118	-1732.14	2280.46
6	GUIDE	114955056	8.33	2508	-0.081	0.498	0.062	0.100	187.914001	12.127854	-490.62	-1022.10
7	GUIDE	114957008	8.25	2507	0.108	-0.128	0.071	0.114	186.894794	12.099160	-2152.61	2156.99

## 2.4 Star Slots

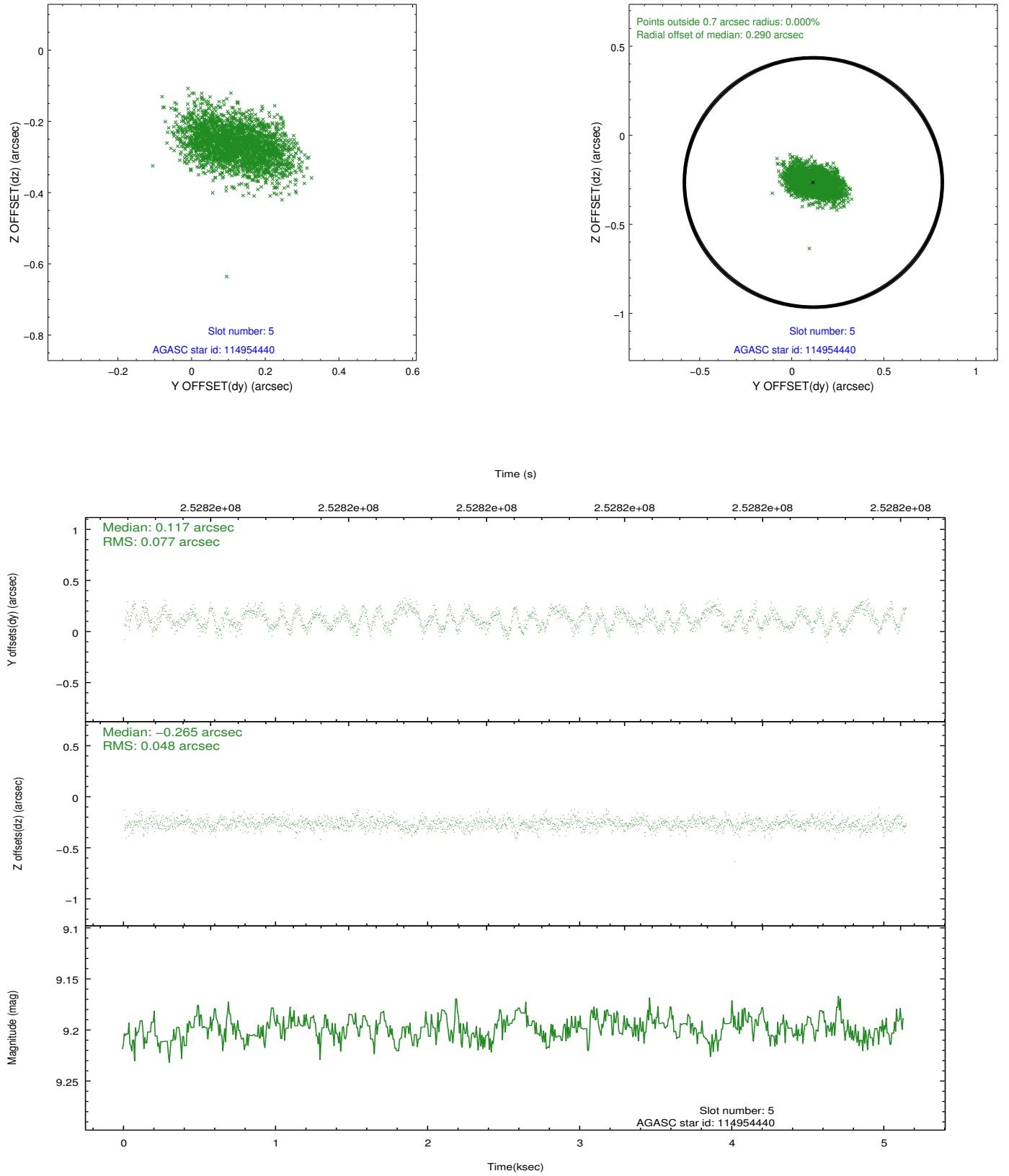
### 2.4.1 Slot 3



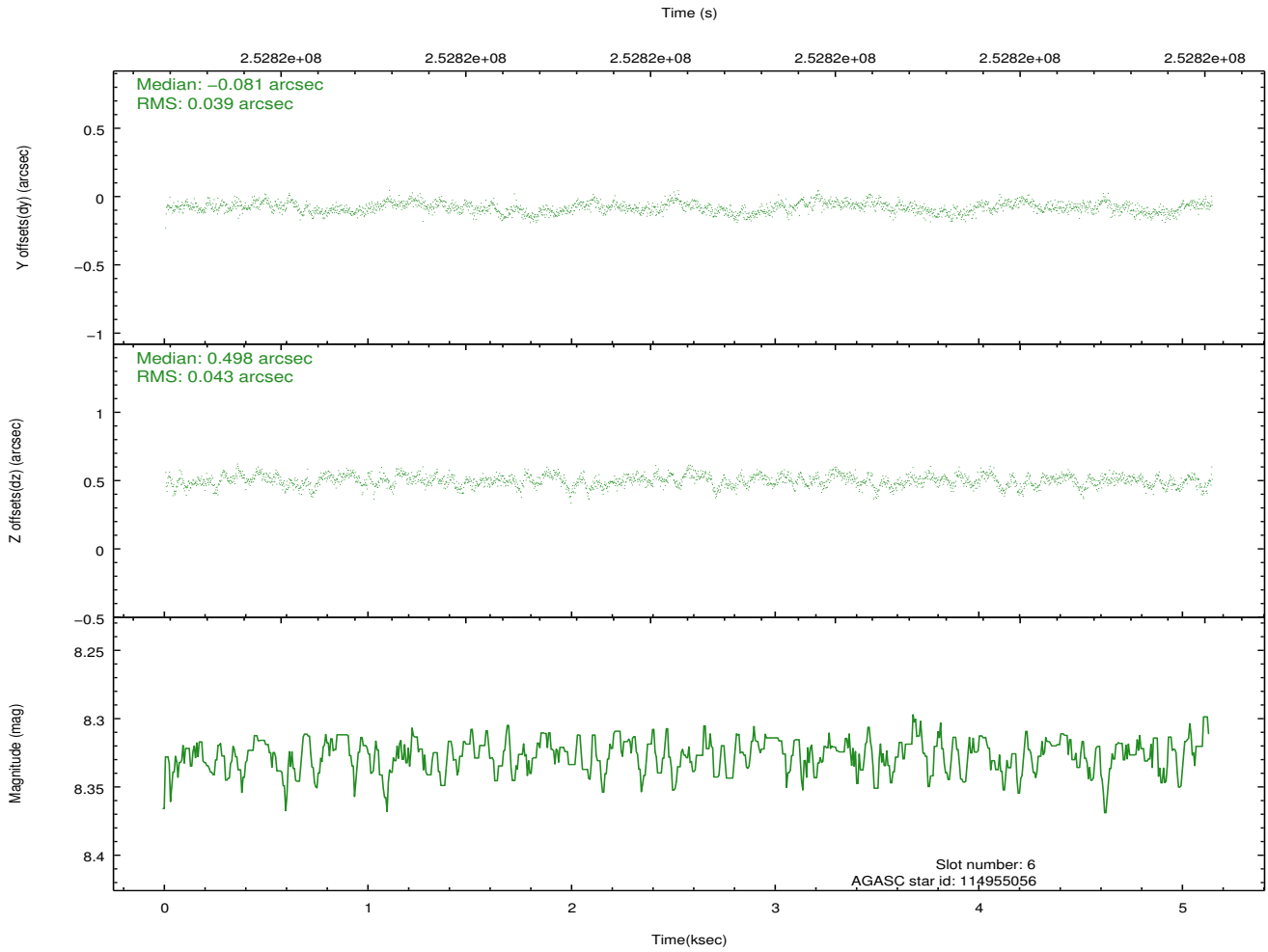
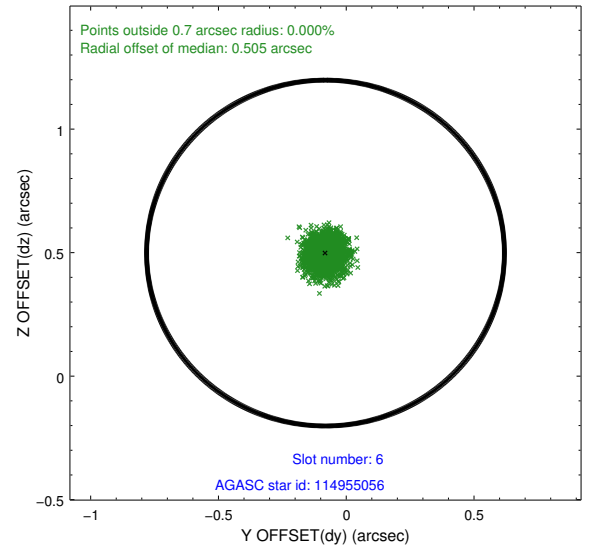
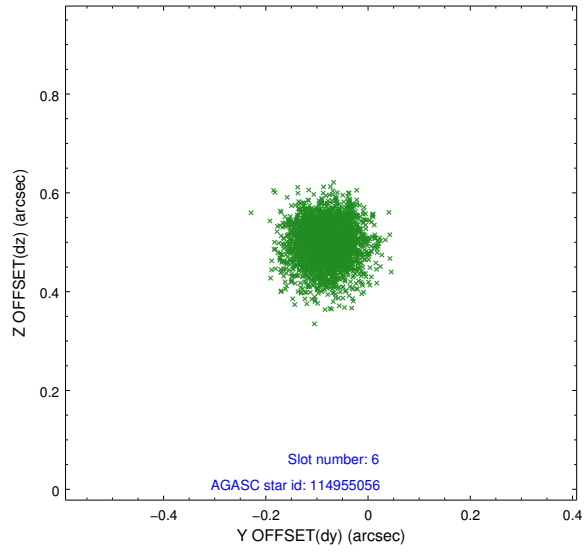
## 2.4.2 Slot 4



### 2.4.3 Slot 5

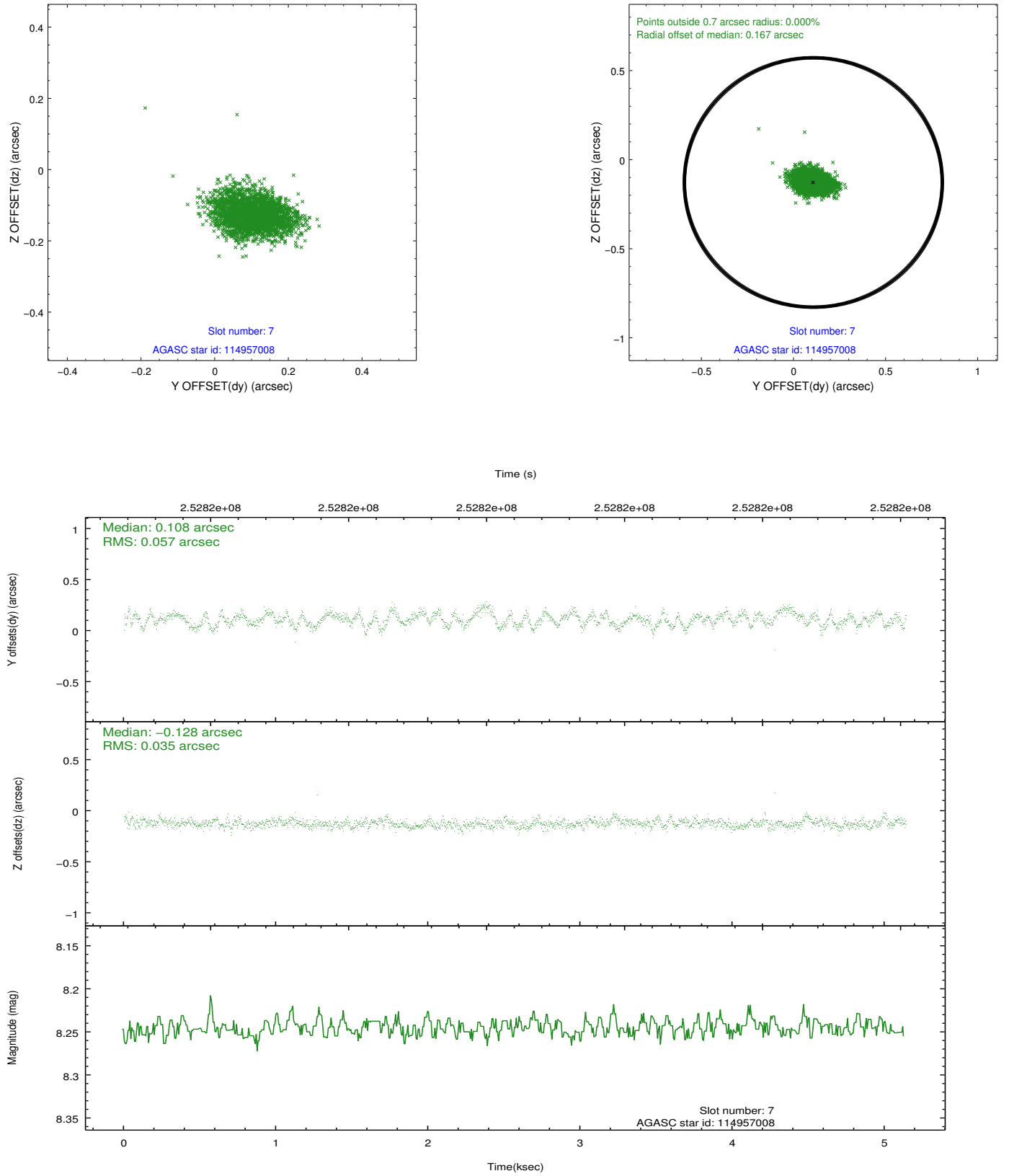


## 2.4.4 Slot 6



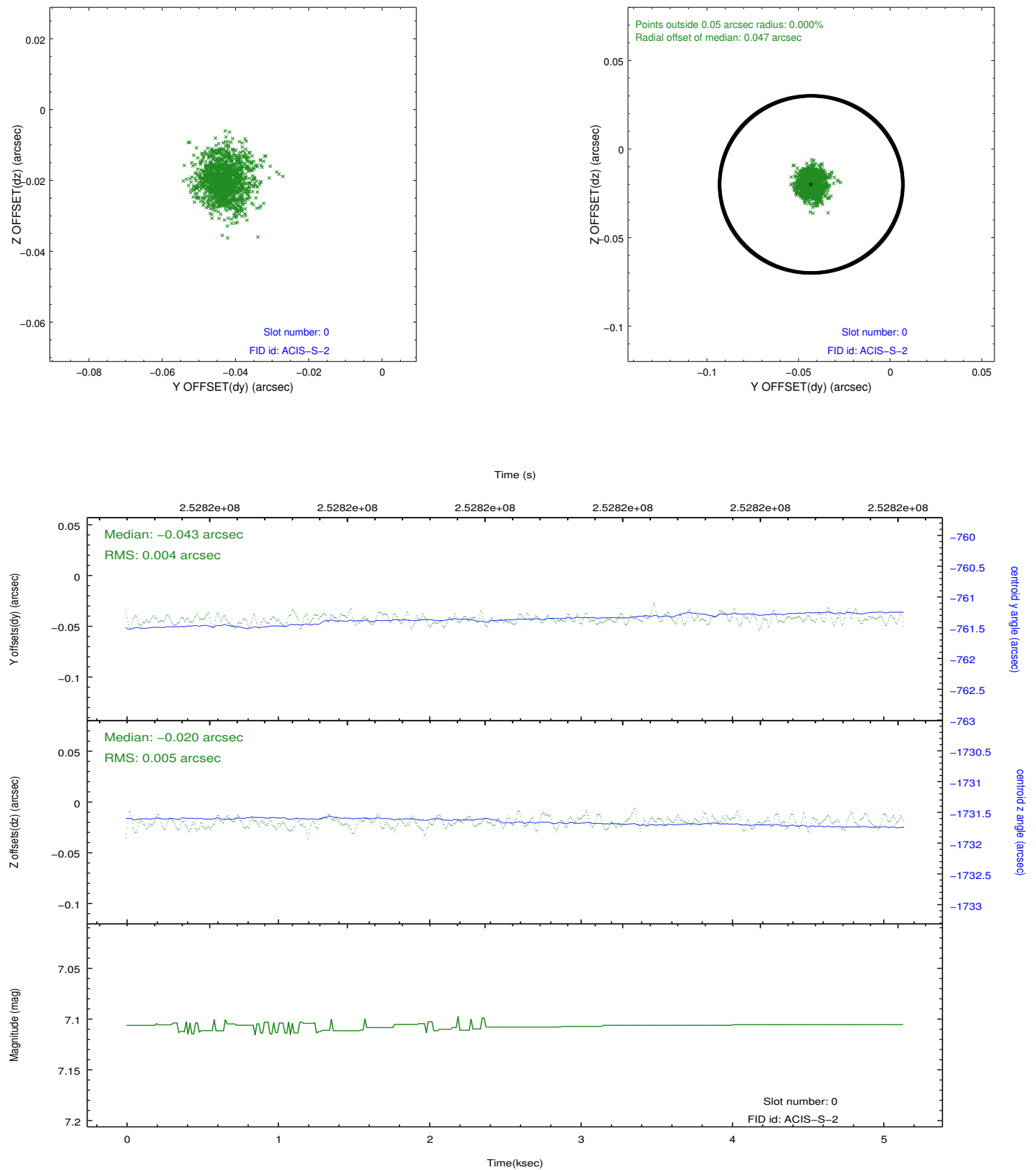


## 2.4.5 Slot 7

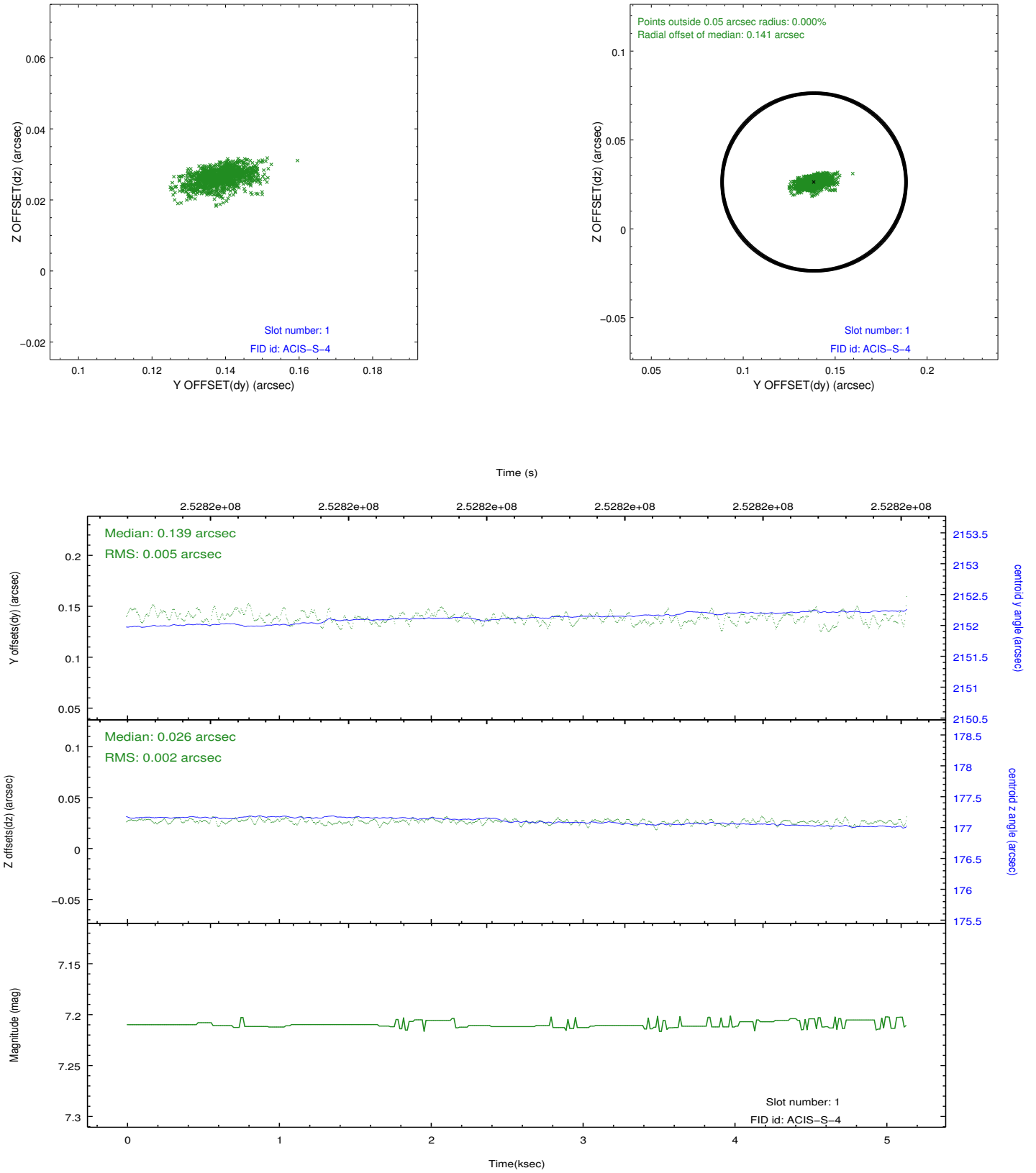


## 2.5 FID Slots

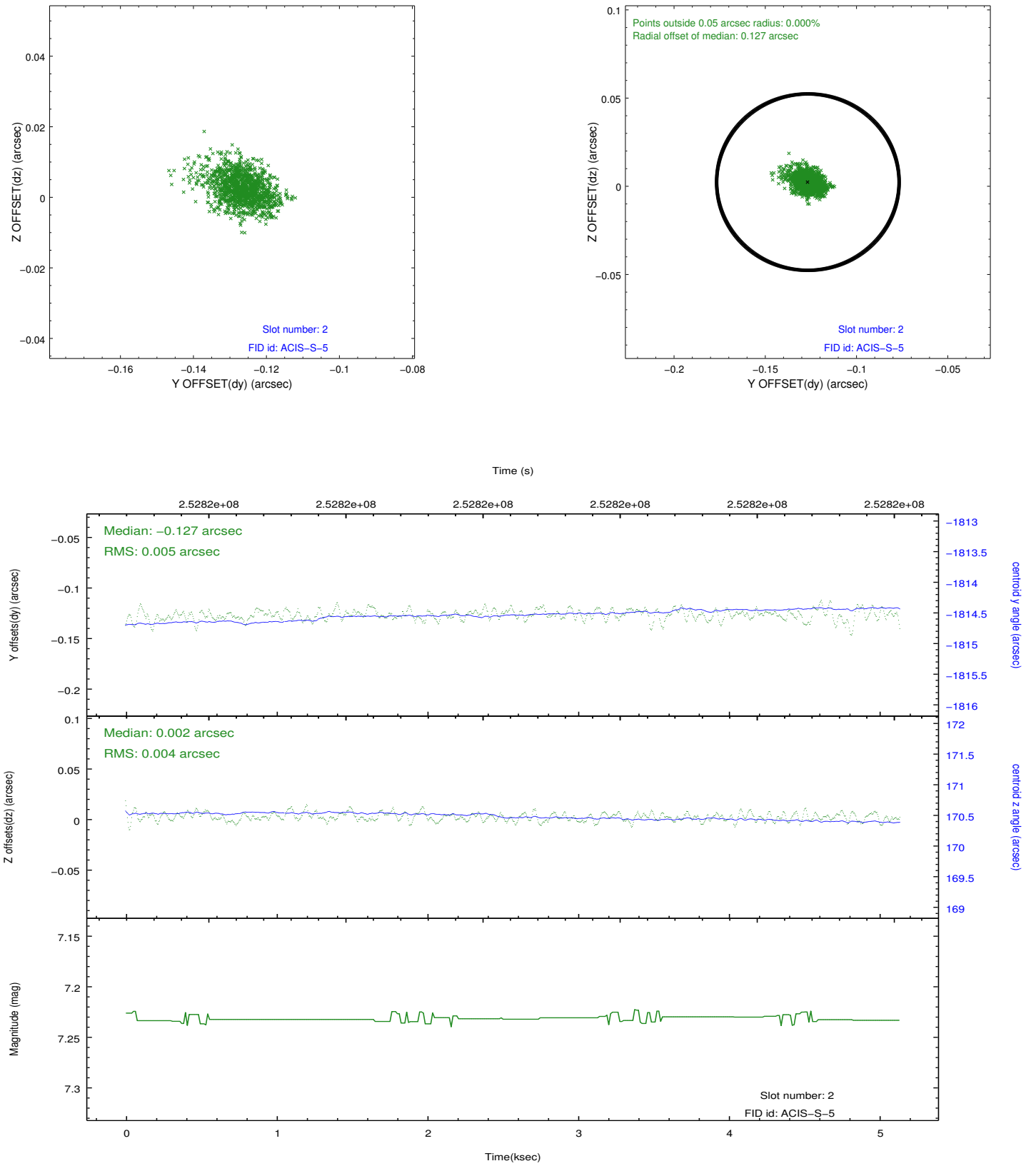
### 2.5.1 Slot 0



## 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)	2012.03.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1384

### A.2 Comments

Monitor constraint met.