

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5743 - L2 Version 3
Chandra X-Ray Center

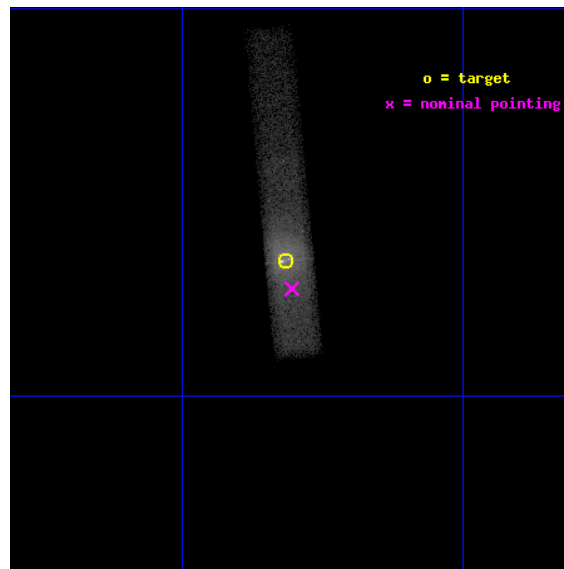
L2 Processing Date : Dec 26 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

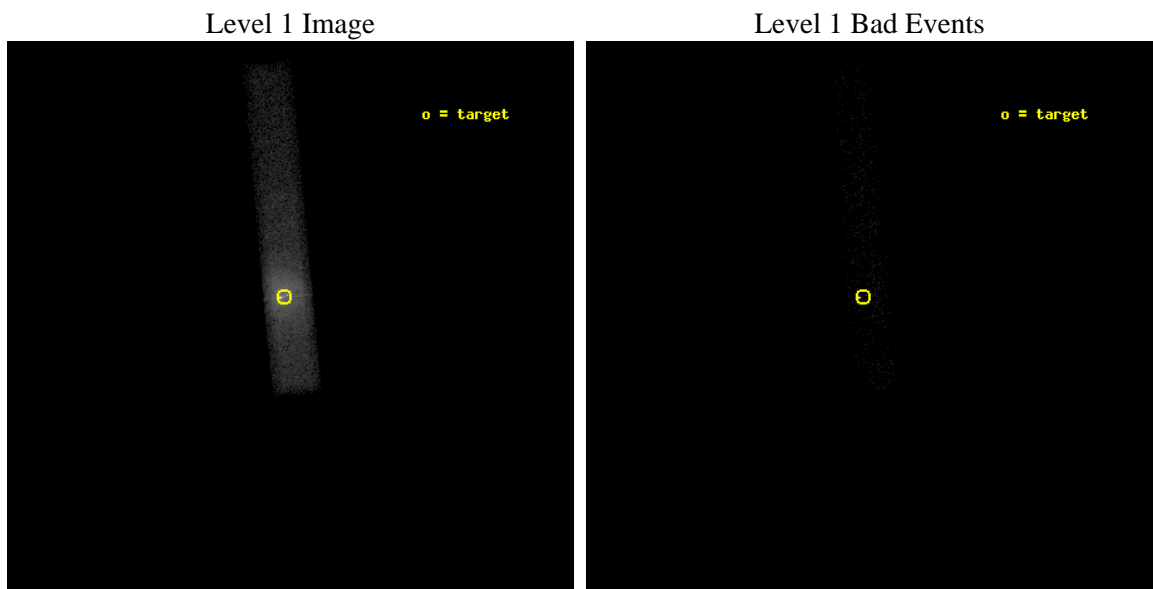
seq_num	701165	Sequence number
obs_id	5743	Observation id
title	The X-ray Flares of Knot 'HST-1' in the M87 Jet (monitoring)	Pro
observer	Dr. John Biretta	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.70127794103	Nominal RA [deg]
dec_nom	12.379436155118	Nominal Dec [deg]
roll_nom	264.65723615789	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5151.2000767291	Sum of GTIs [s]
livetime	4671.8665669591	Livetime [s]
ontime7	5151.2000767291	Sum of GTIs [s]
l2events	58231	Number of level 2 events



2 OBI

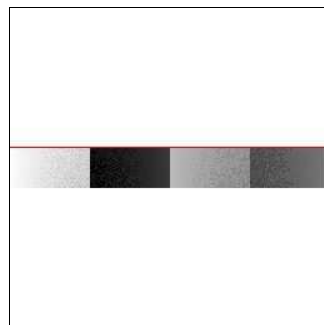
2.1 OBI

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	8.5.1.1	Processing system revision	ontime	5151.2000767291	Sum of GTIs [s]
caldsver	4.5.5	 	ontime7	5151.2000767291	Sum of GTIs [s]
date	2012-12-27T02:38:37	Date and time of file creation	l1events	72058	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

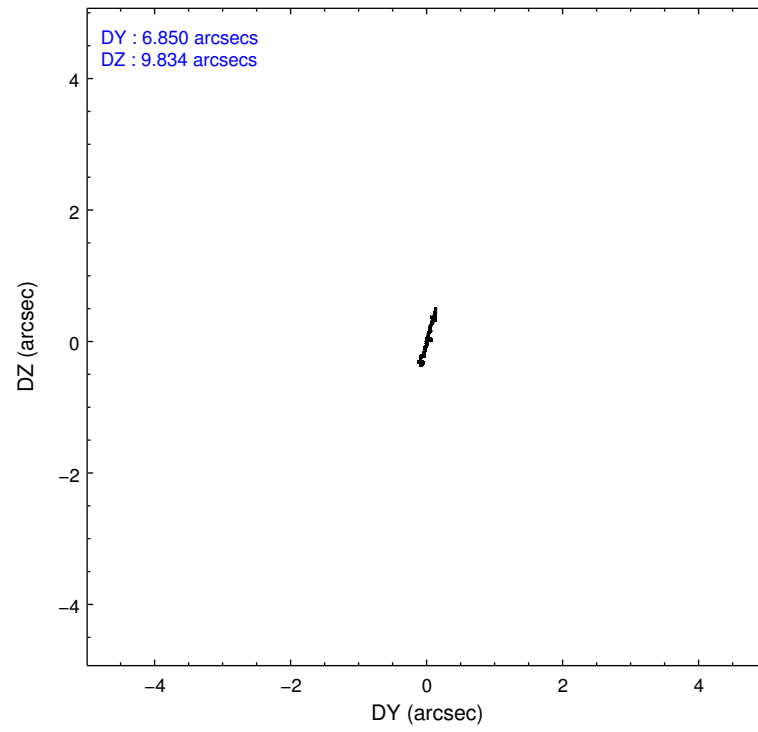
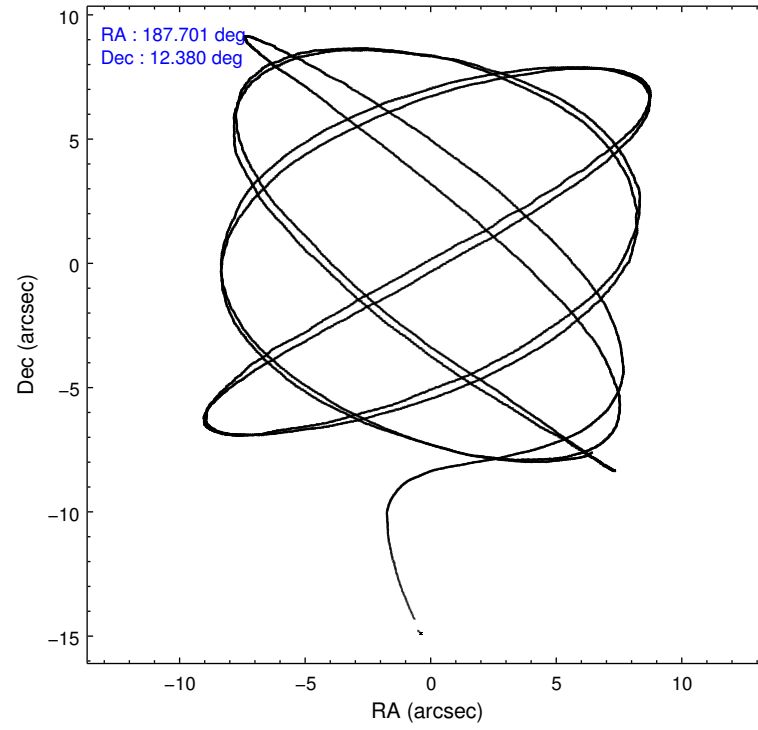
	ccd 7
level 1 events	72058
rejected events	13212
rejected %	18%

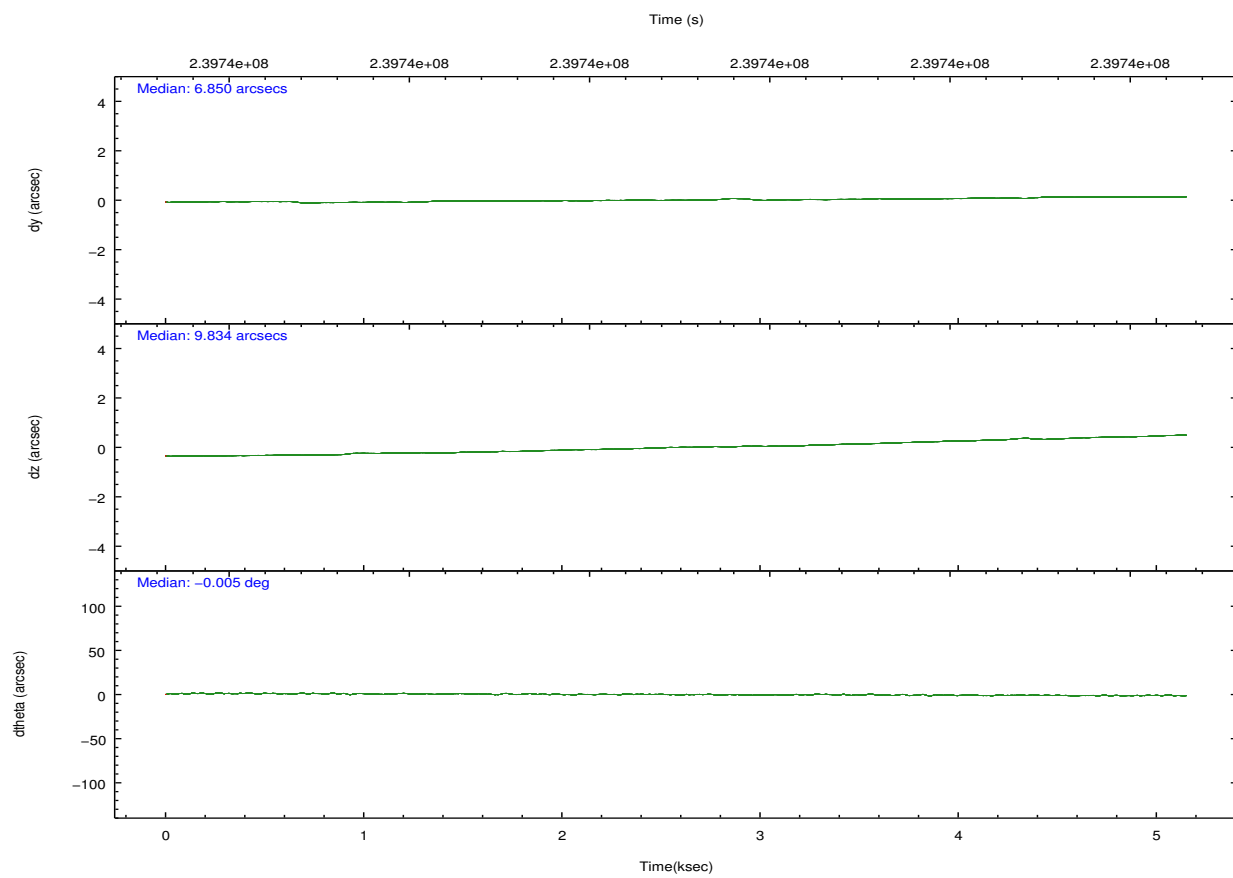
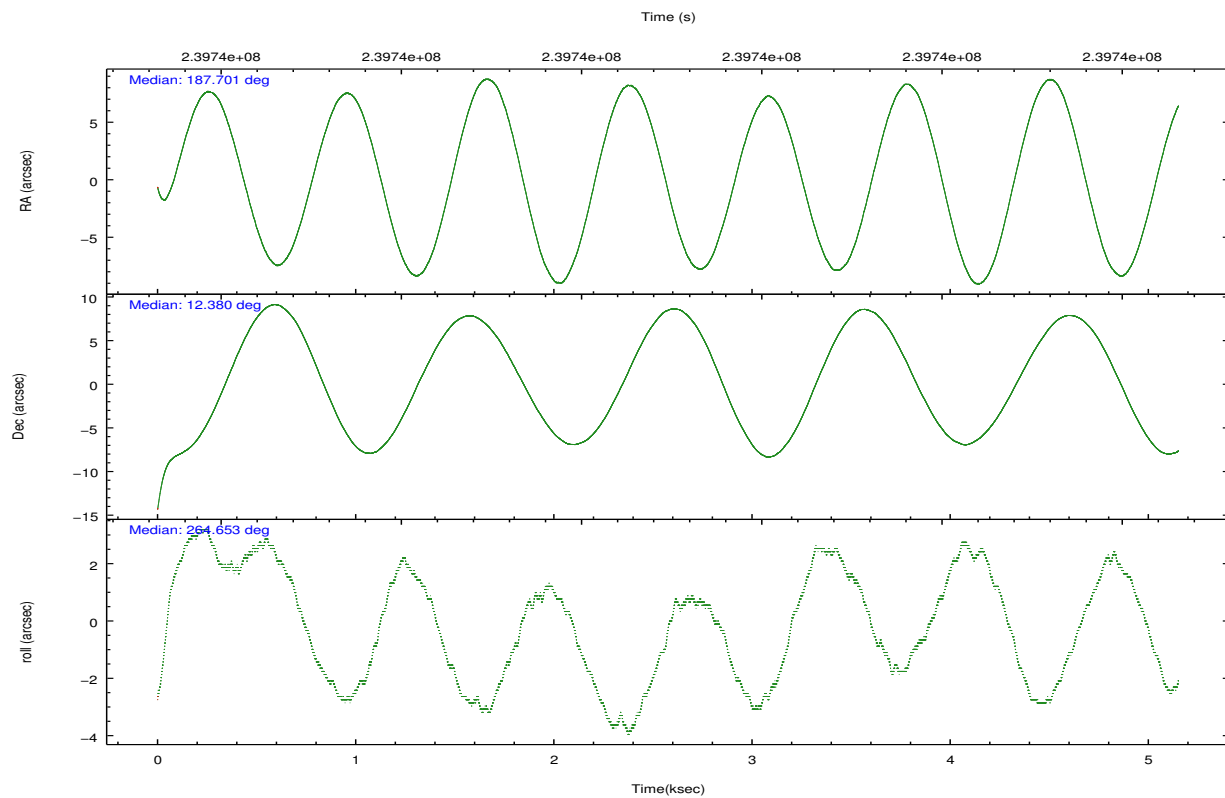
	ccd 7
grade 0 events	18238
	25%
grade 1 events	463
	0%
grade 2 events	15245
	21%
grade 3 events	7016
	9%
grade 4 events	6785
	9%
grade 5 events	2843
	3%
grade 6 events	13912
	19%
grade 7 events	7556
	10%

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	187.689279	187.7012779410289	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.404121	12.3794361551176	Subarray start row	449	449
[deg] Pointing Roll	264.503195	264.6572361578928	Subarray row count	128	128
[s] Window start time (MET)	239241664.184000	239241664.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	239846464.184000	239846464.184000	[s] Primary exposure time	0.000000	0.4
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	239738057.184000	239736808.91722			
Observation start date	2005-08-06T17:53:13	2005-08-06T17:33:28			
[s] Observation end time (MET)	239743057.184000	239744578.93007			
Observation end date	2005-08-06T19:16:33	2005-08-06T19:42:58			
Read mode	TIMED	TIMED			

2.3 Aspect



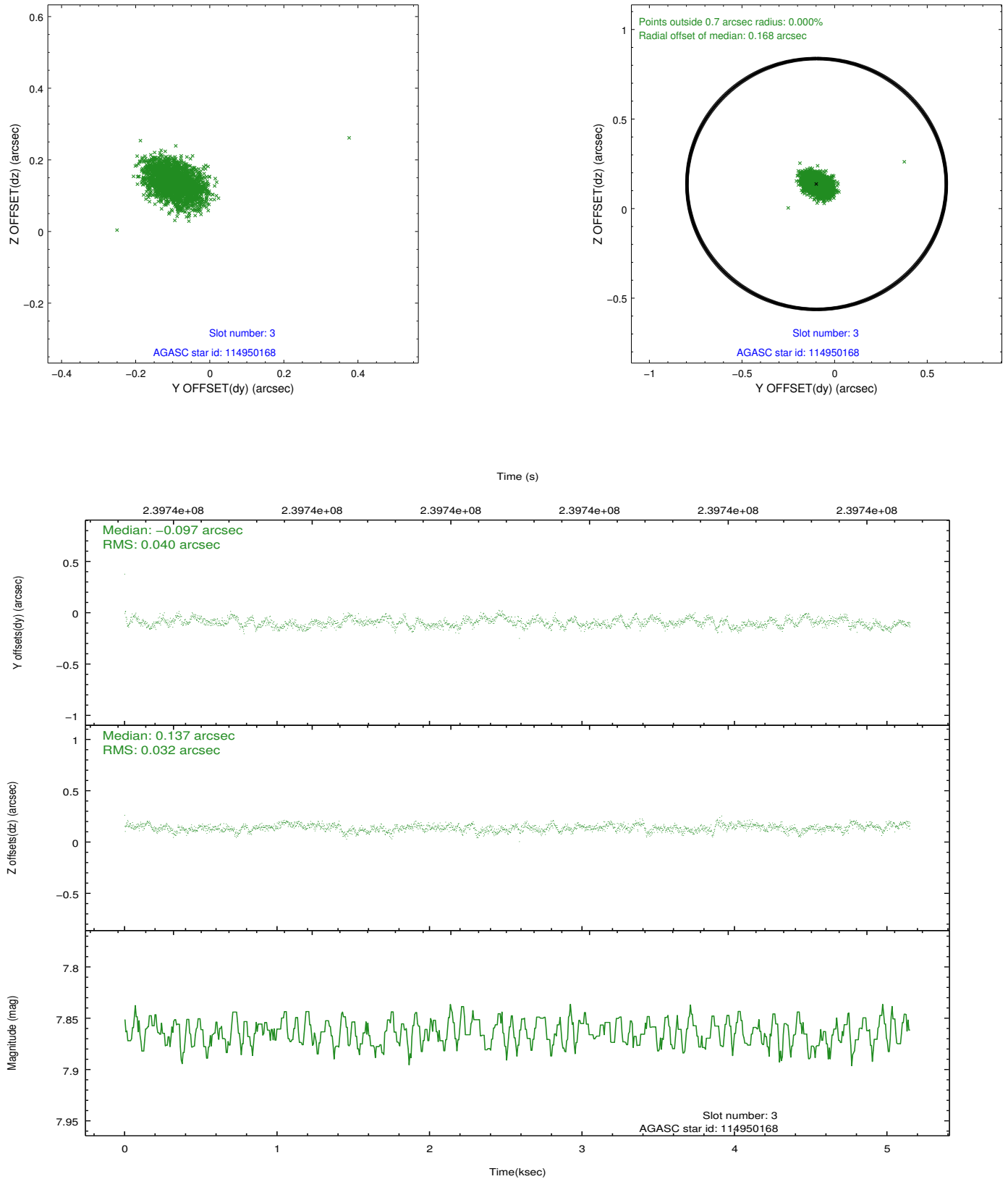


Slot Statistics

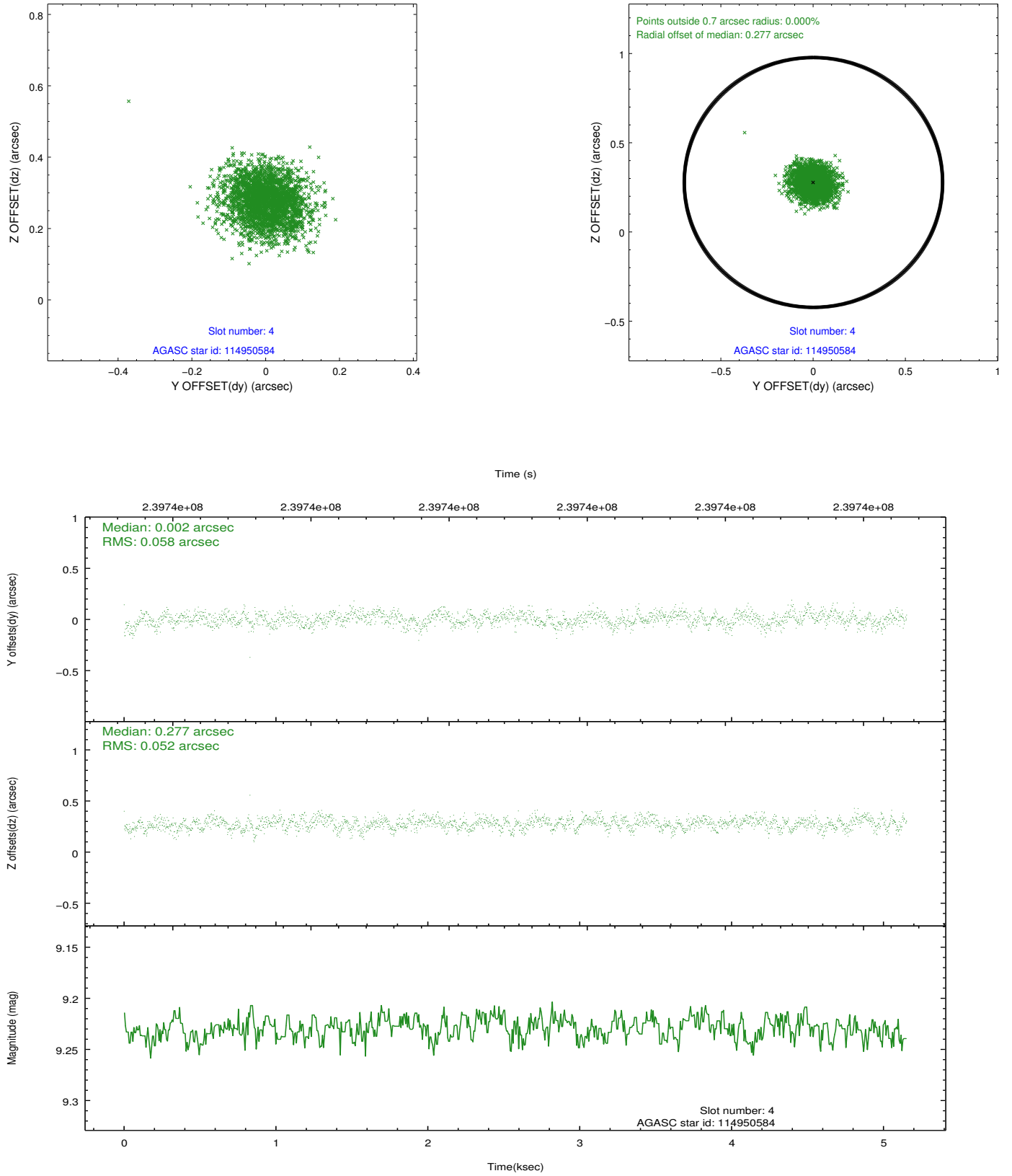
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1257	-0.057	-0.035	0.008	0.013	0.000000	0.000000	-759.63	-1731.13
1	FID	ACIS-S-4	7.21	1257	0.102	0.037	0.005	0.010	0.000000	0.000000	2153.24	176.26
2	FID	ACIS-S-5	7.23	1257	-0.076	0.006	0.008	0.014	0.000000	0.000000	-1811.01	171.17
3	GUIDE	114950168	7.86	2514	-0.097	0.137	0.054	0.087	187.143398	12.117441	1209.73	-1813.68
4	GUIDE	114950584	9.23	2510	0.002	0.277	0.083	0.134	187.487323	11.827248	2135.83	-509.95
5	GUIDE	114952824	8.56	2514	-0.025	-0.050	0.070	0.113	187.703904	12.486727	-299.92	22.16
6	GUIDE	114955056	8.34	2513	0.049	-0.105	0.055	0.090	187.914001	12.127854	913.90	882.42
7	GUIDE	114955568	7.54	2513	0.072	-0.263	0.080	0.126	187.061916	11.826551	2279.69	-2001.44

2.4 Star Slots

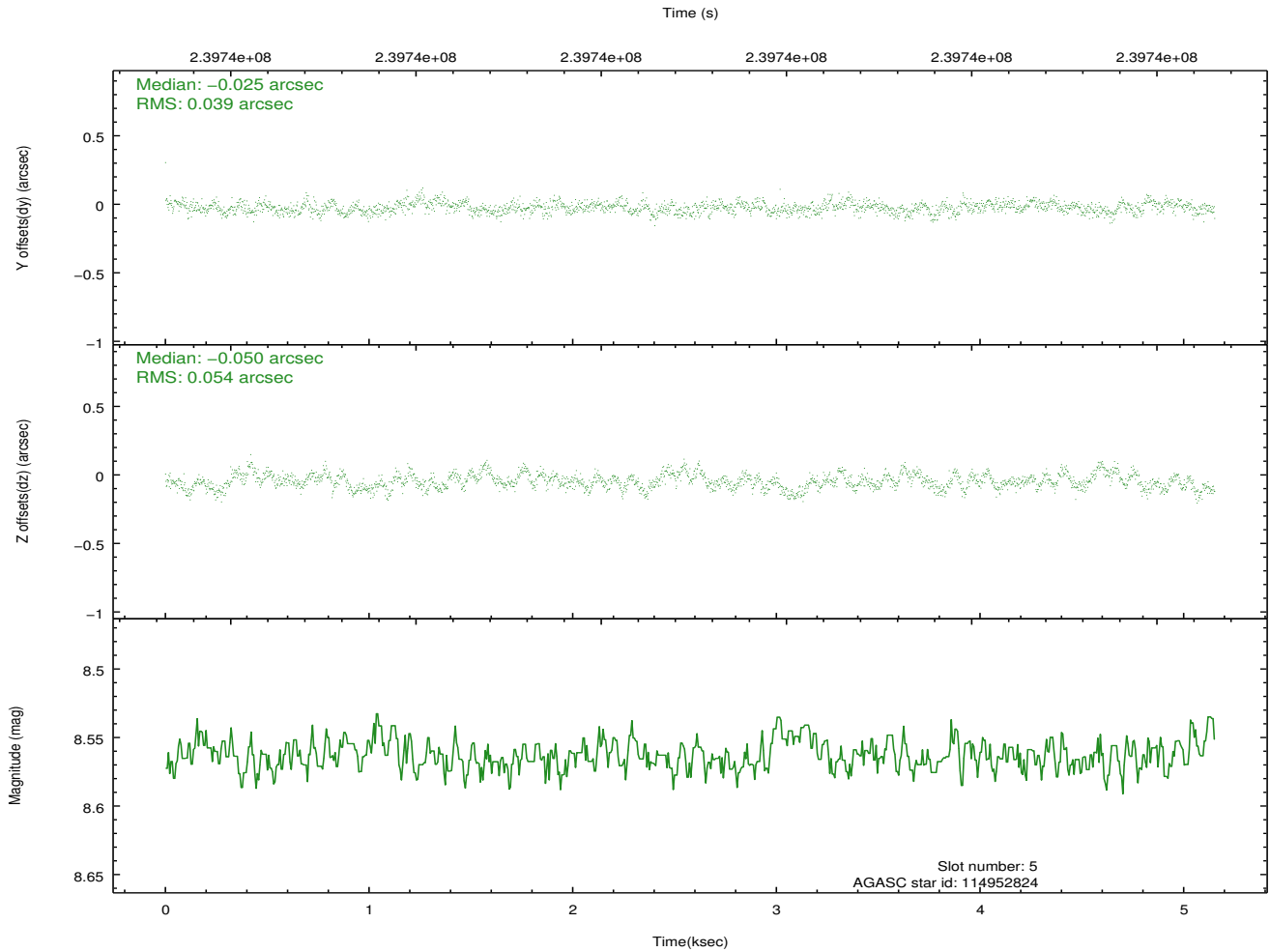
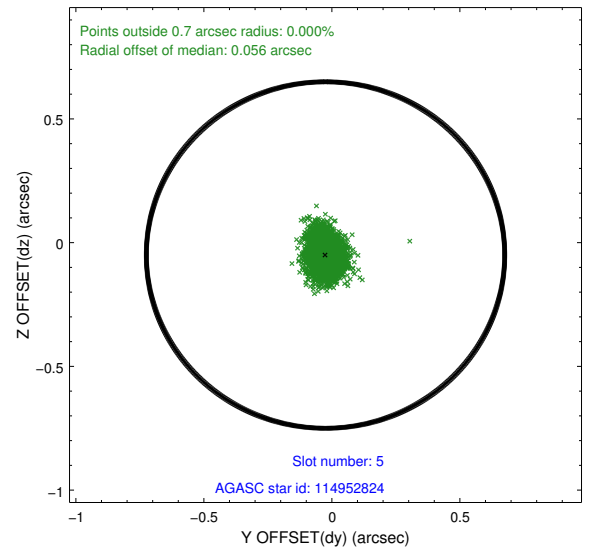
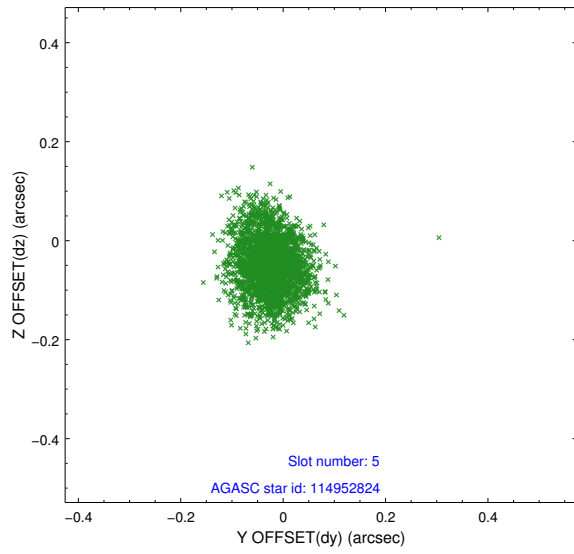
2.4.1 Slot 3



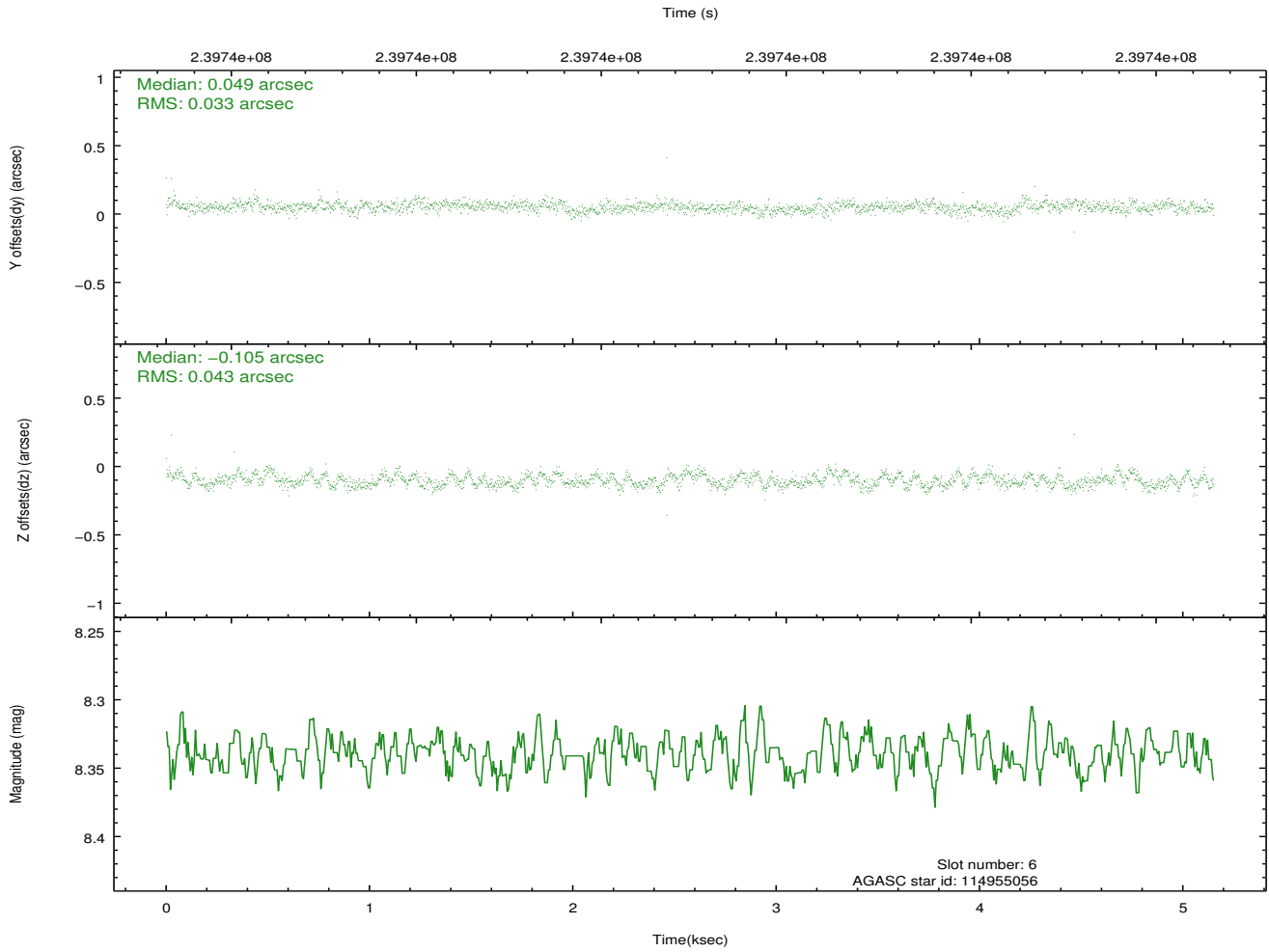
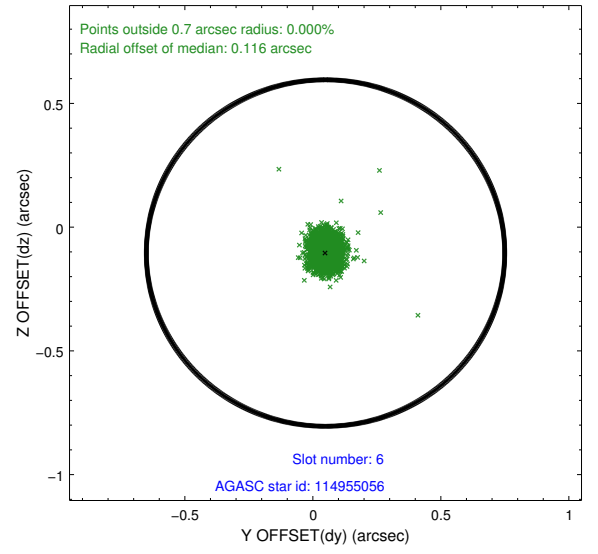
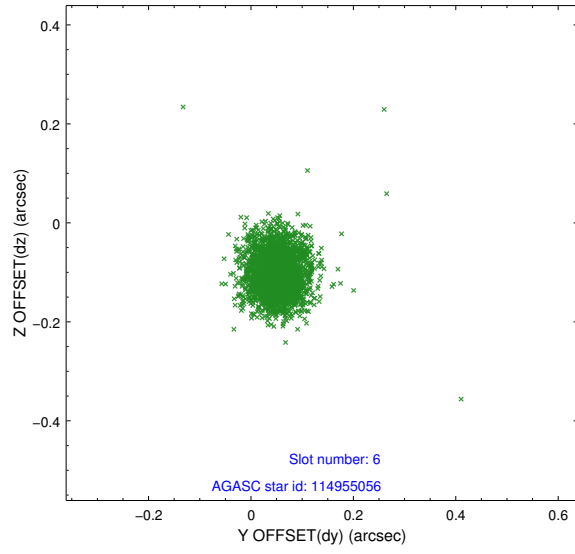
2.4.2 Slot 4



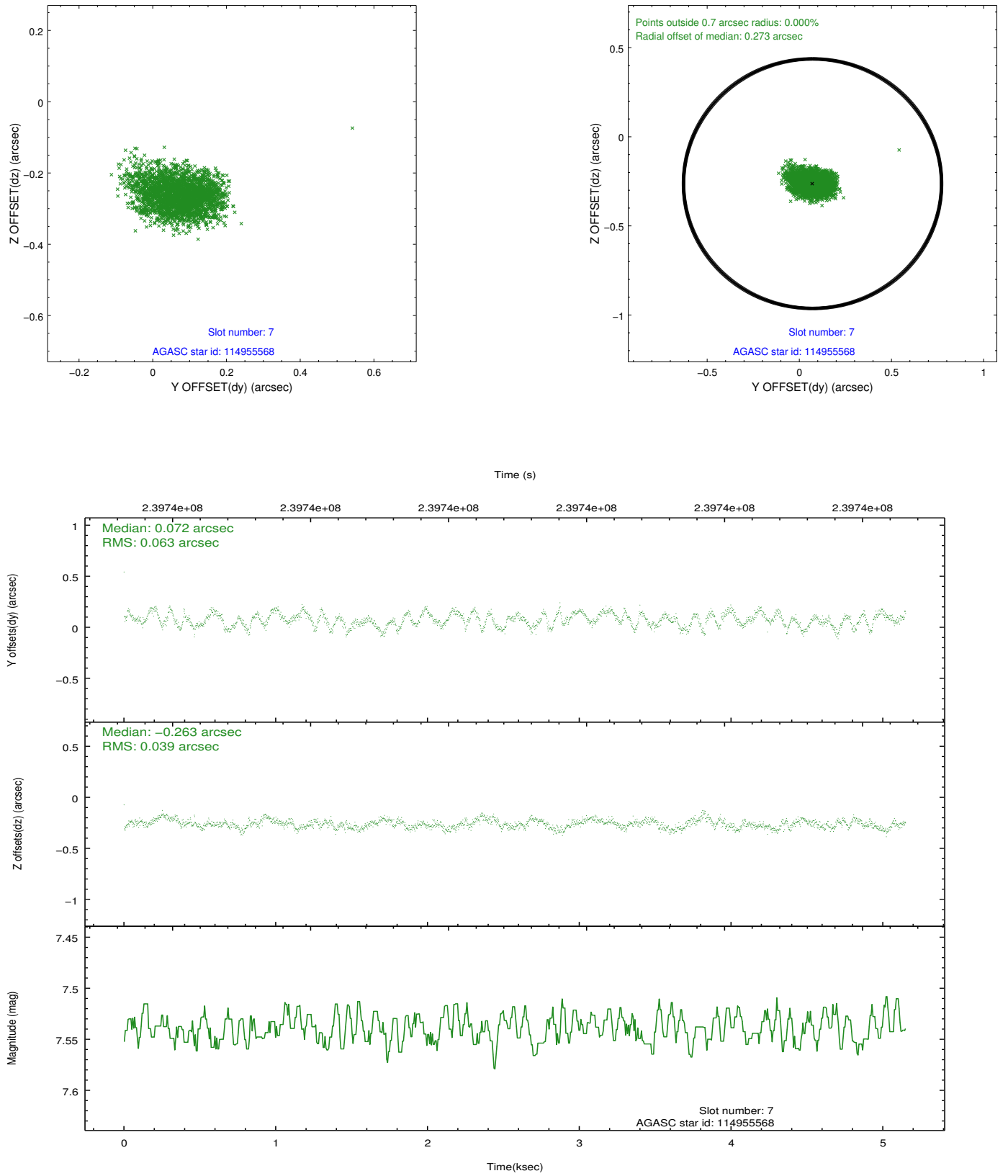
2.4.3 Slot 5



2.4.4 Slot 6

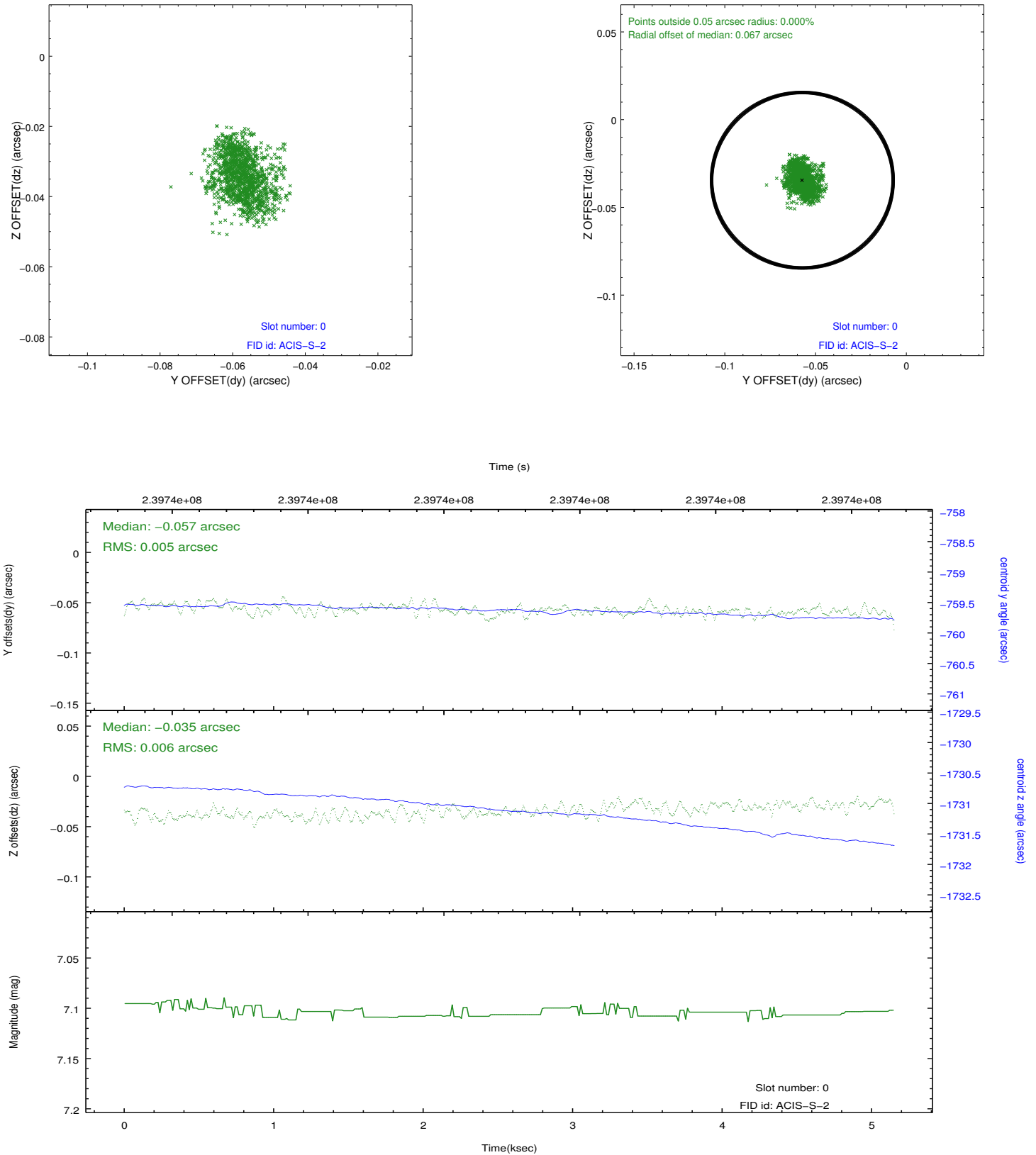


2.4.5 Slot 7

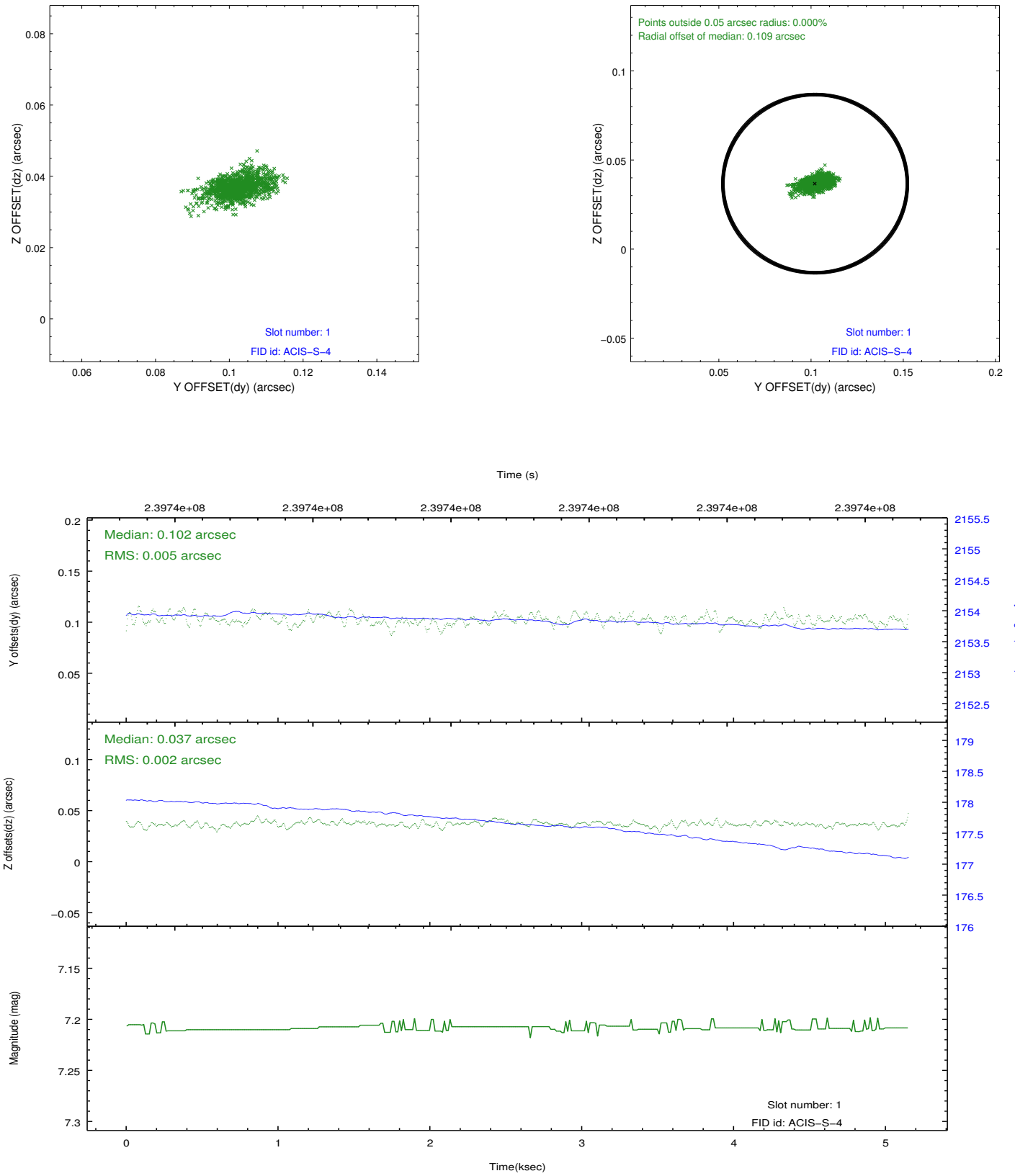


2.5 FID Slots

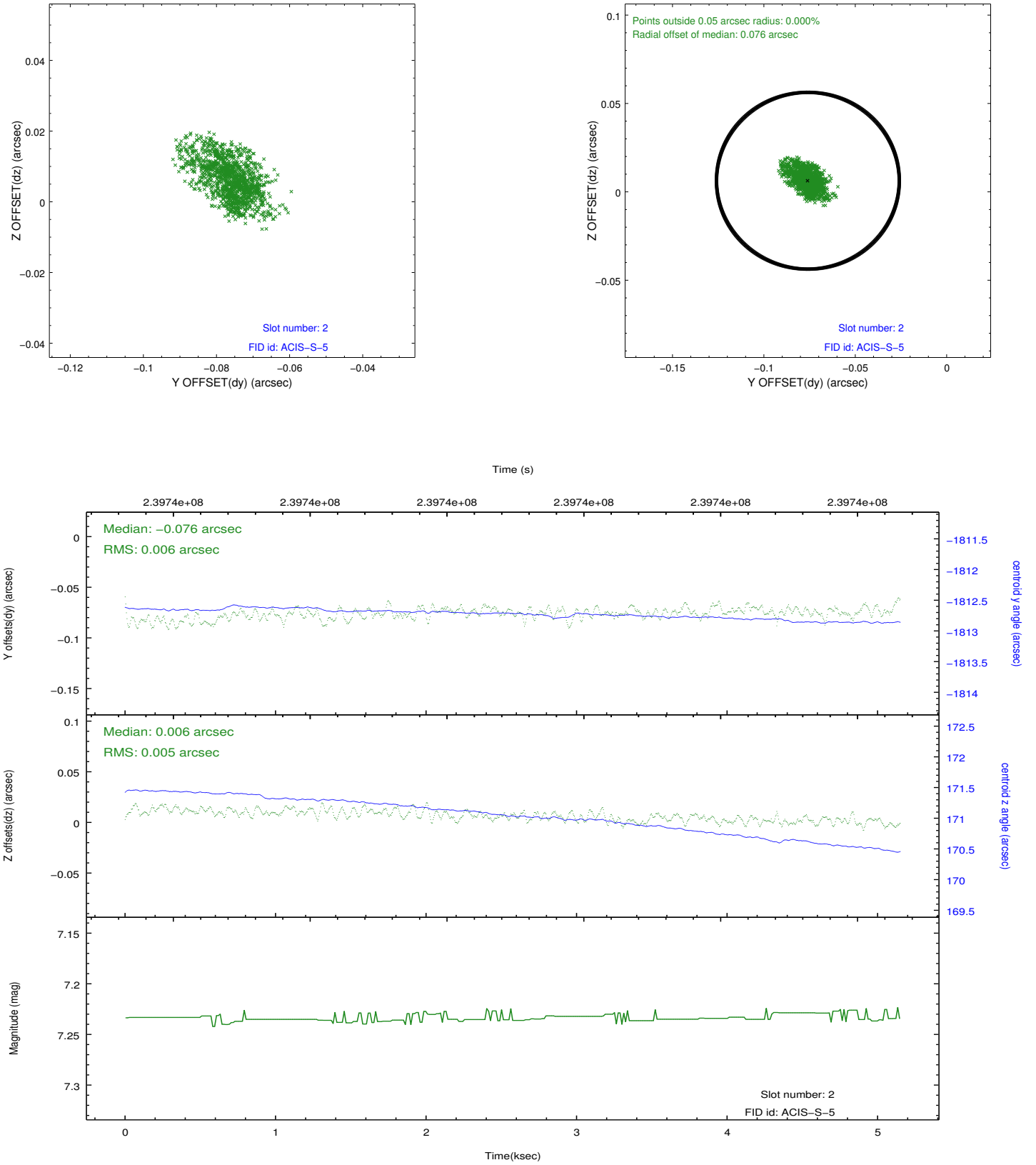
2.5.1 Slot 0



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)	2013.01.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.15120007

A.2 Comments

Window constraint met. Joint Proposal: CX0-HST