

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5748 - L2 Version 3
Chandra X-Ray Center

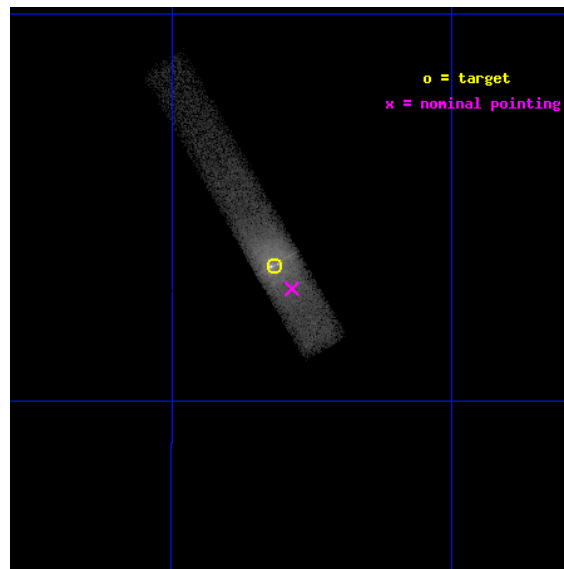
L2 Processing Date : Dec 24 2012

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1 Front

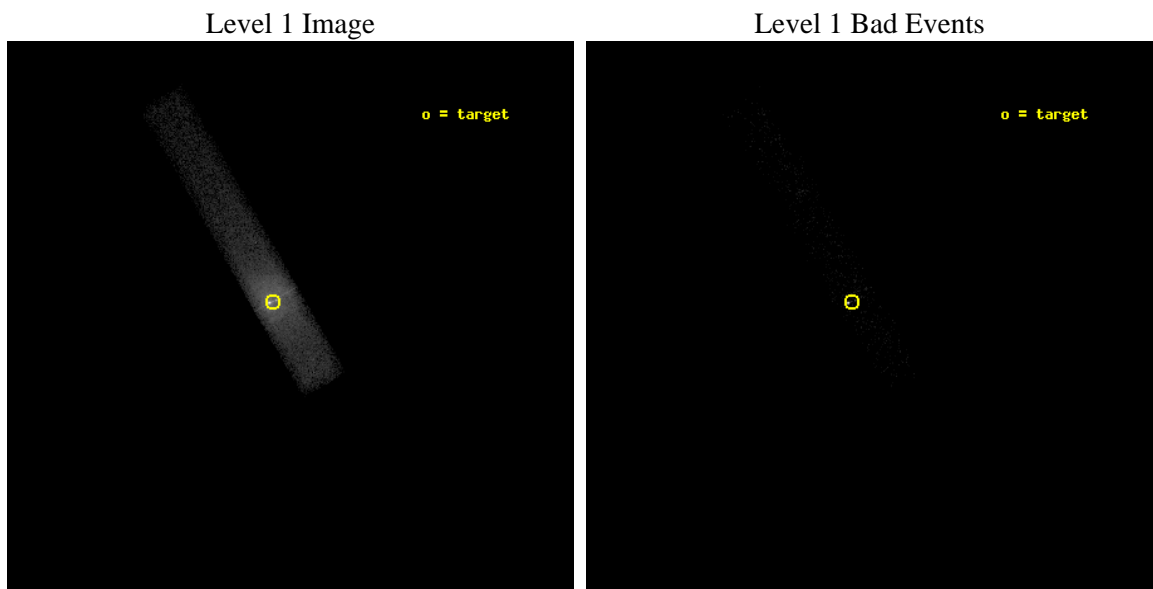
seq_num	701170	Sequence number
obs_id	5748	Observation id
title	The X-ray Flares of Knot 'HST-1' in the M87 Jet (monitoring)	Pro
observer	Dr. John Biretta	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.69635608123	Nominal RA [deg]
dec_nom	12.38172144503	Nominal Dec [deg]
roll_nom	240.03440384772	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5181.6000771821	Sum of GTIs [s]
livetime	4699.4377627263	Livetime [s]
ontime7	5181.6000771821	Sum of GTIs [s]
l2events	58799	Number of level 2 events



2 OBI

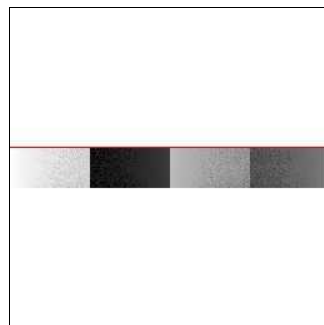
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	5181.6000771821	Sum of GTIs [s]
caldbver	4.5.5	 	ontime7	5181.6000771821	Sum of GTIs [s]
date	2012-12-23T18:03:06	Date and time of file creation	l1events	73786	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

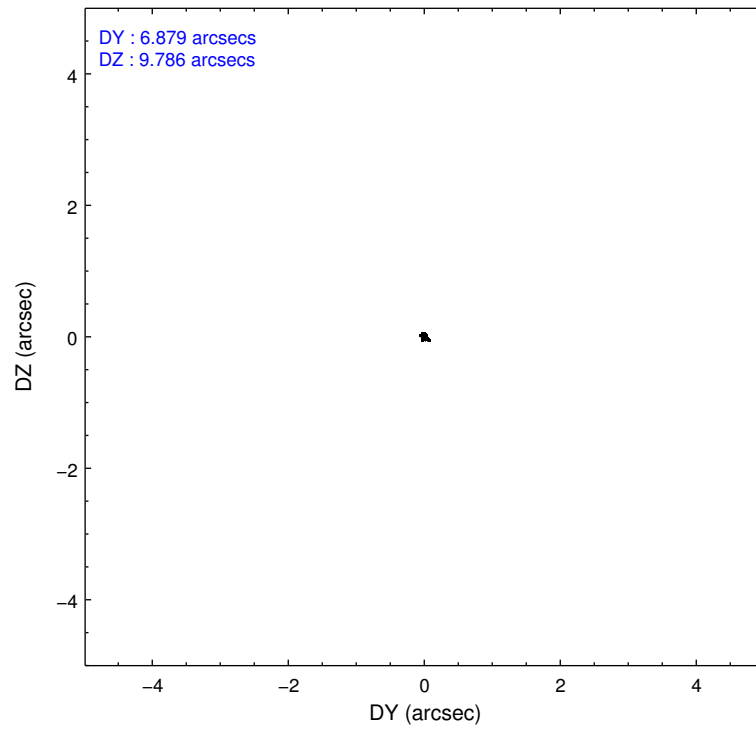
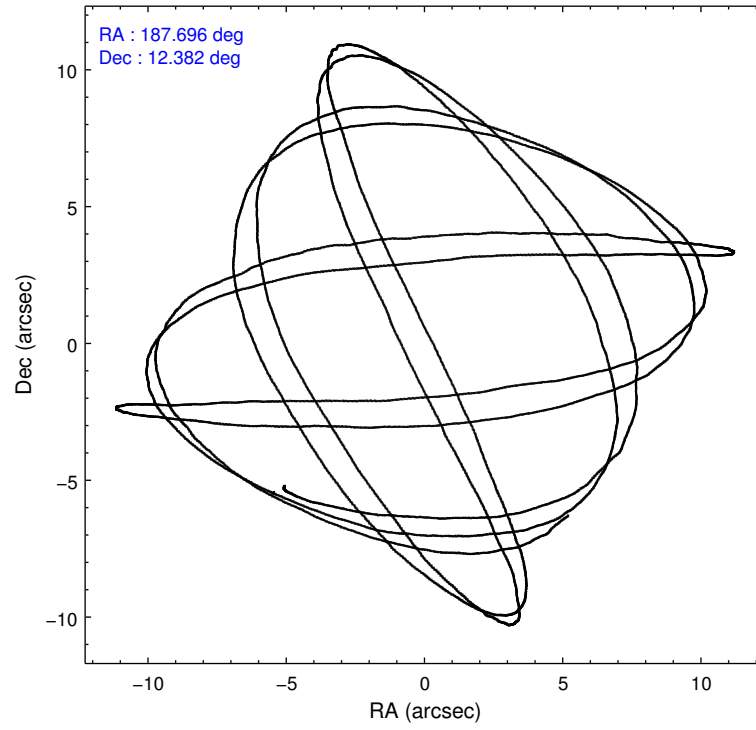
	ccd 7
level 1 events	73786
rejected events	14407
rejected %	19%

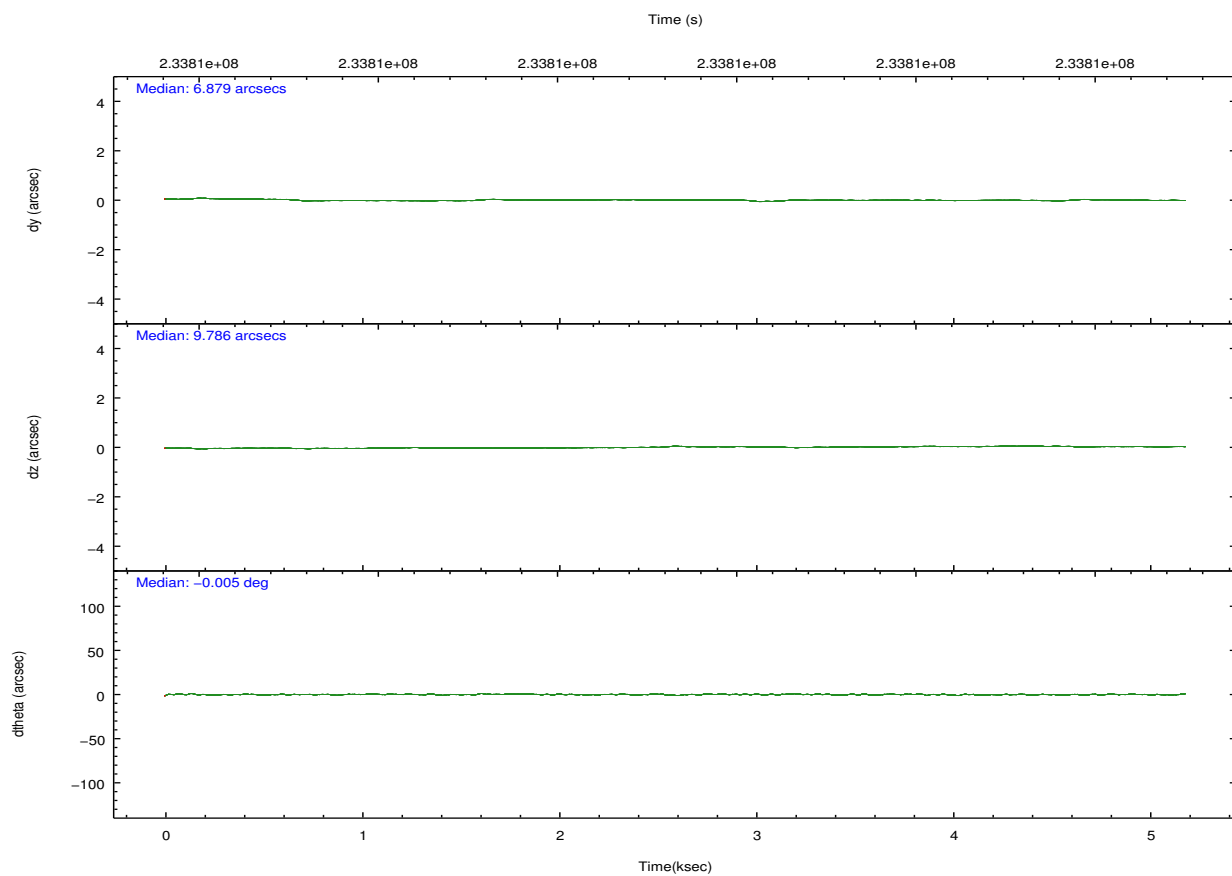
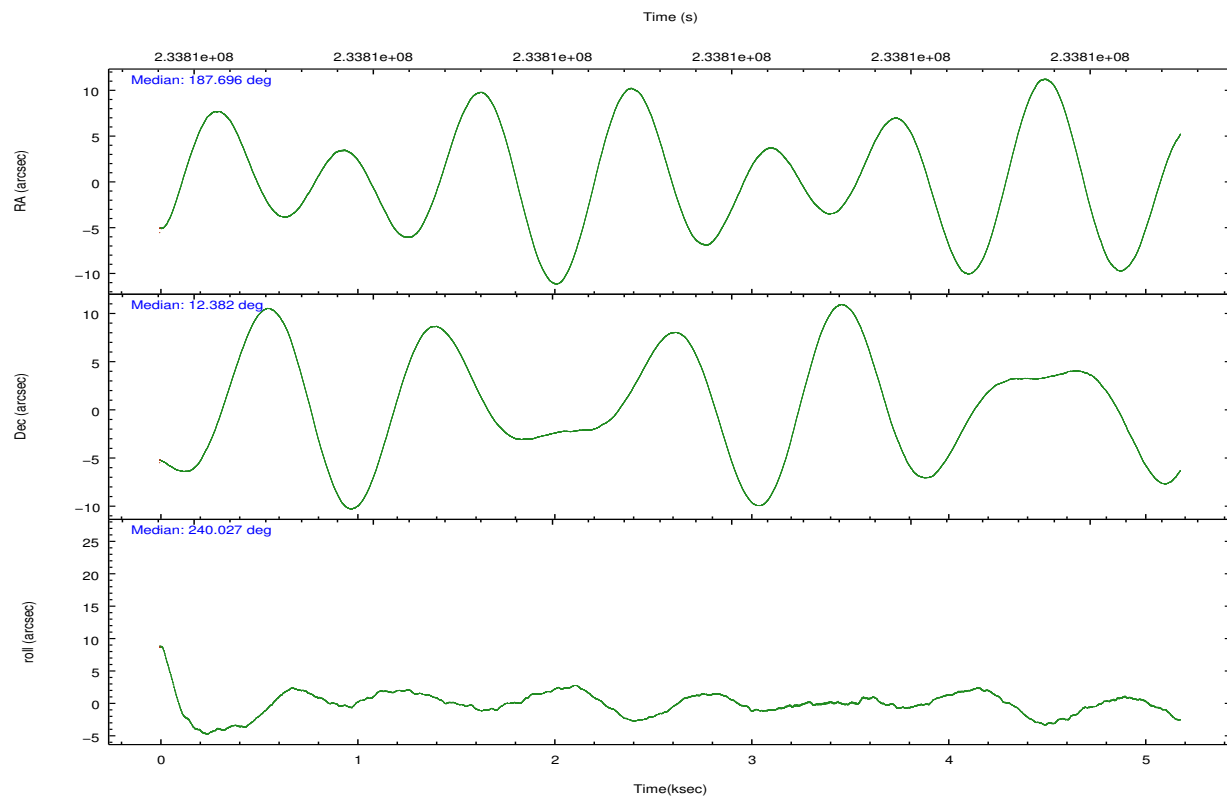
	ccd 7
grade 0 events	18259
	24%
grade 1 events	439
	0%
grade 2 events	15134
	20%
grade 3 events	6962
	9%
grade 4 events	6718
	9%
grade 5 events	2875
	3%
grade 6 events	13839
	18%
grade 7 events	9560
	12%

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	187.695944	187.6963560812308	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.409052	12.38172144502959	Subarray start row	449	449
[deg] Pointing Roll	239.877852	240.034403847722	Subarray row count	128	128
[s] Window start time (MET)	233193664.184000	233193664.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	233798464.184000	233798464.184000	[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)	233808241.184000	233807478.84615			
Observation start date	2005-05-30T02:42:57	2005-05-30T02:31:18			
[s] Observation end time (MET)	233813241.184000	233814627.19648			
Observation end date	2005-05-30T04:06:17	2005-05-30T04:30:27			
Read mode	TIMED	TIMED			

2.3 Aspect



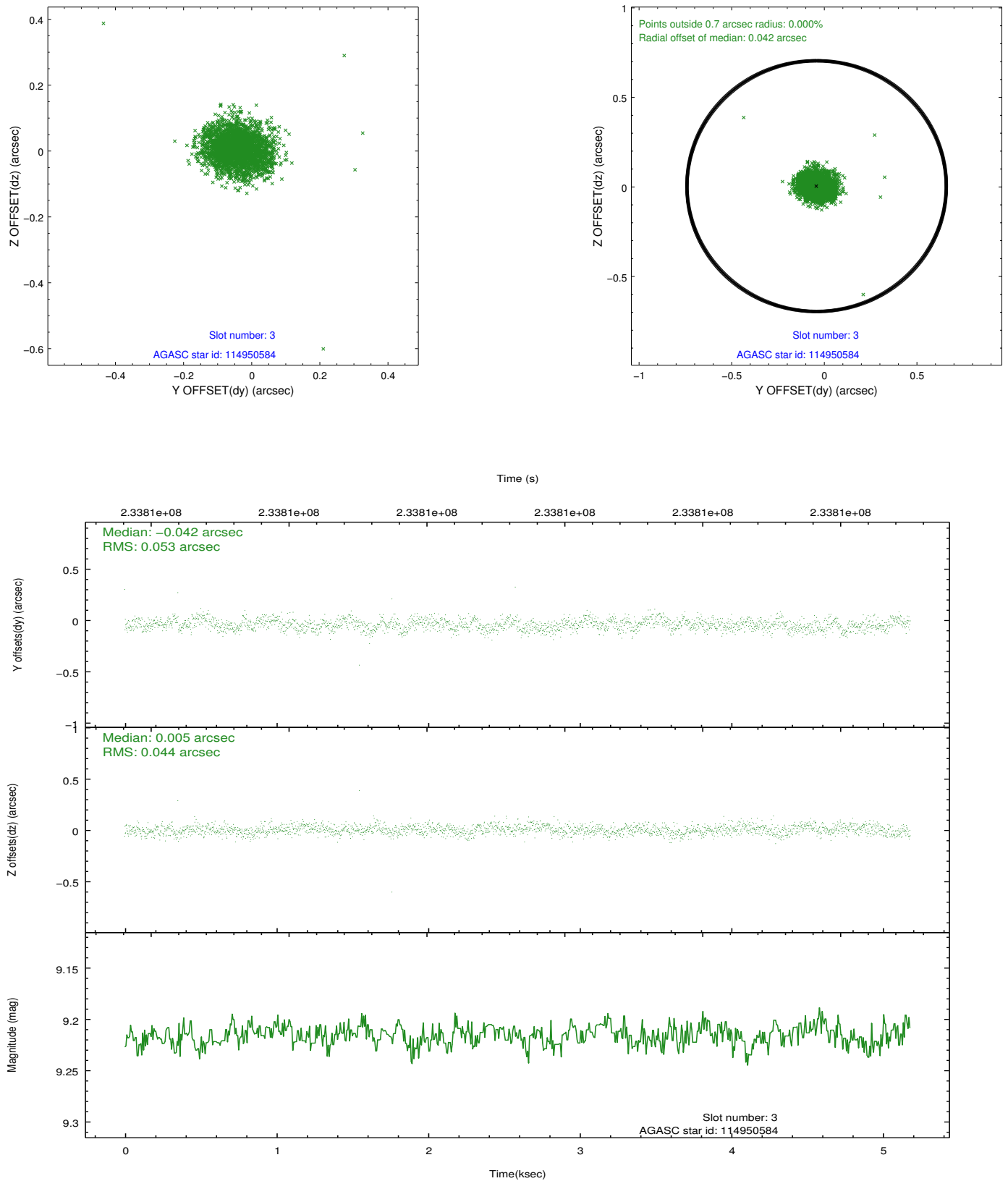


Slot Statistics

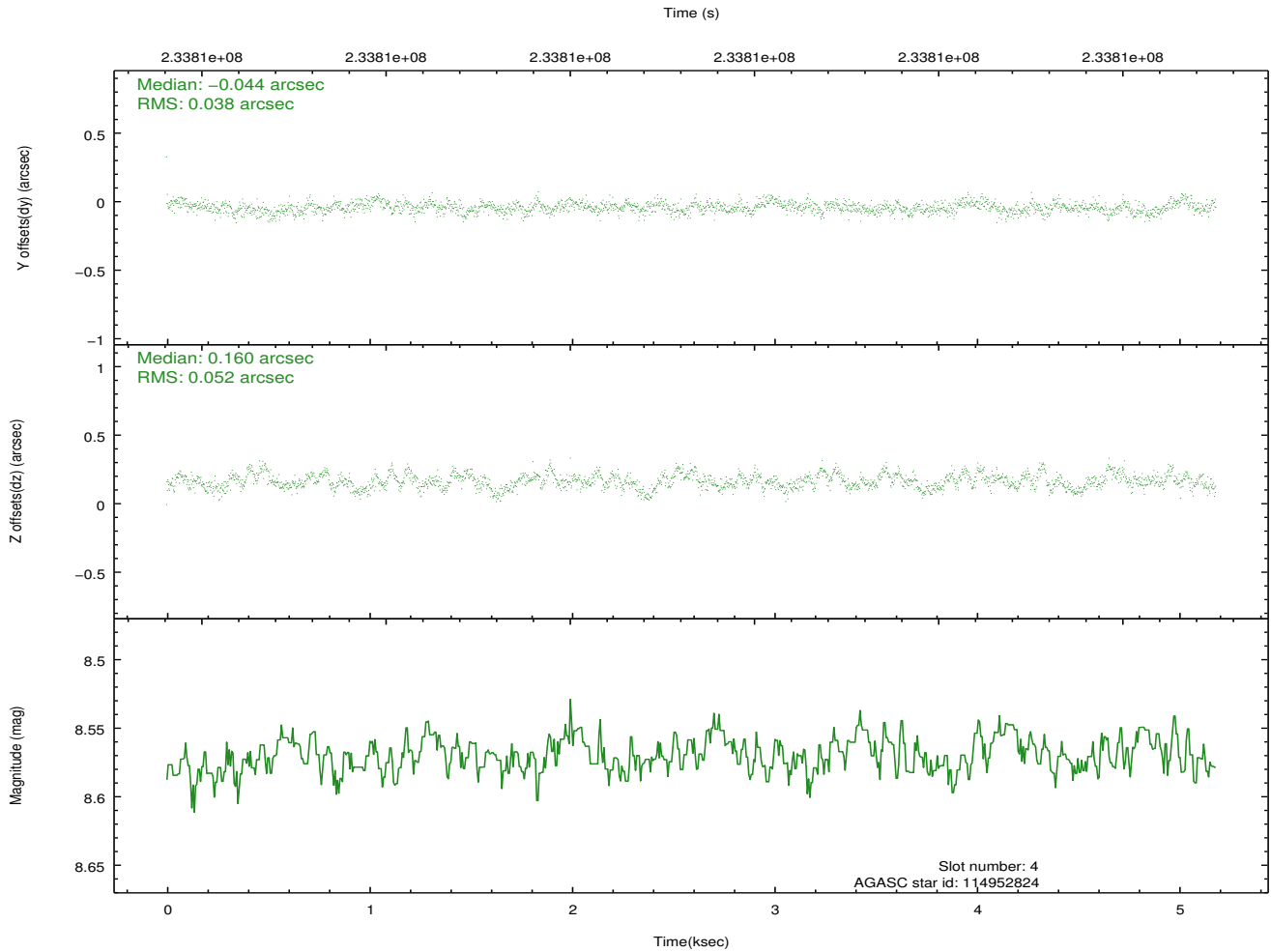
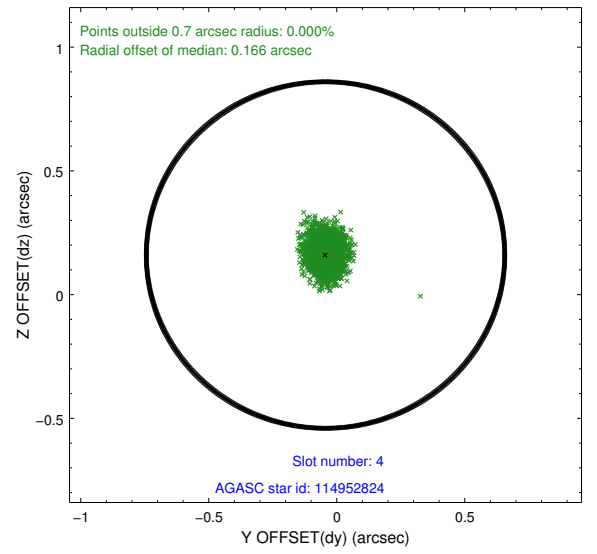
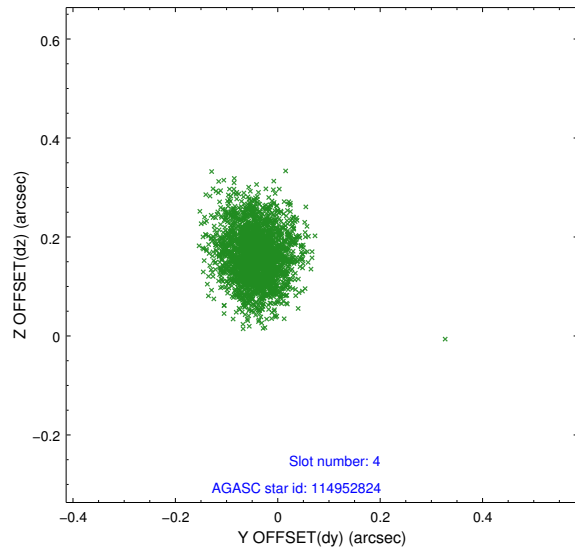
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1264	-0.058	-0.033	0.007	0.010	0.000000	0.000000	-759.65	-1731.07
1	FID	ACIS-S-4	7.21	1265	0.107	0.037	0.006	0.010	0.000000	0.000000	2153.22	176.33
2	FID	ACIS-S-5	7.23	1264	-0.080	0.005	0.007	0.010	0.000000	0.000000	-1811.05	171.22
3	GUIDE	114950584	9.22	2529	-0.042	0.005	0.071	0.113	187.487323	11.827248	2180.42	415.11
4	GUIDE	114952824	8.57	2527	-0.044	0.160	0.067	0.111	187.703904	12.486727	-254.86	-116.19
5	GUIDE	114955056	8.34	2528	-0.021	-0.112	0.062	0.100	187.914001	12.127854	490.02	1171.37
6	GUIDE	114957008	8.26	2529	0.130	-0.123	0.072	0.116	186.894794	12.099160	2377.49	-1881.38
7	GUIDE	114950168	7.86	2528	-0.027	0.069	0.055	0.088	187.143398	12.117441	1883.55	-1156.97

2.4 Star Slots

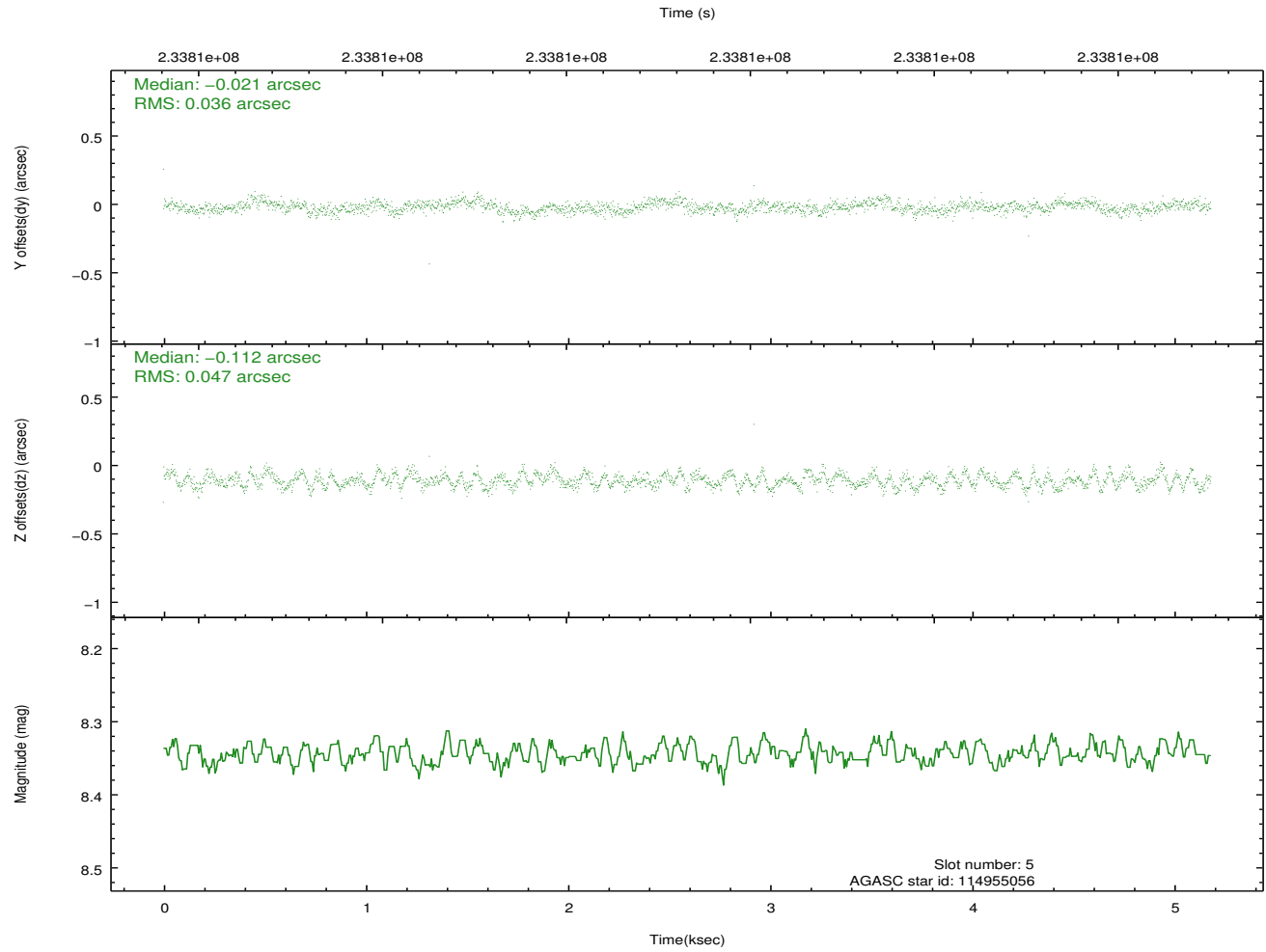
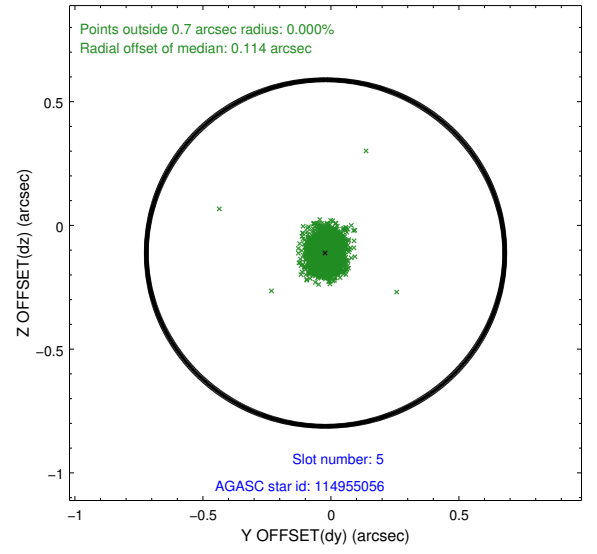
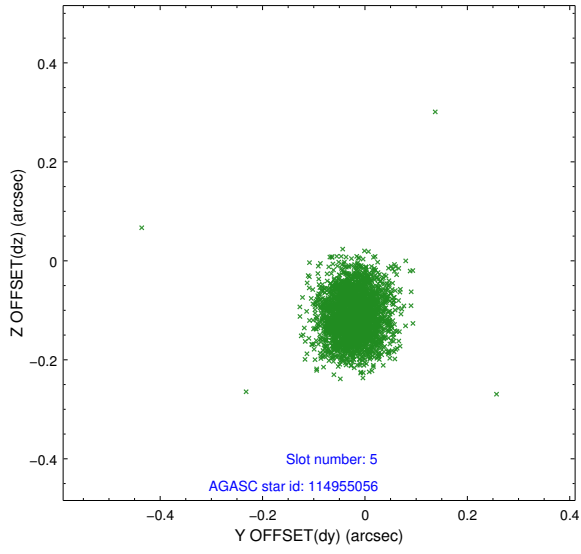
2.4.1 Slot 3



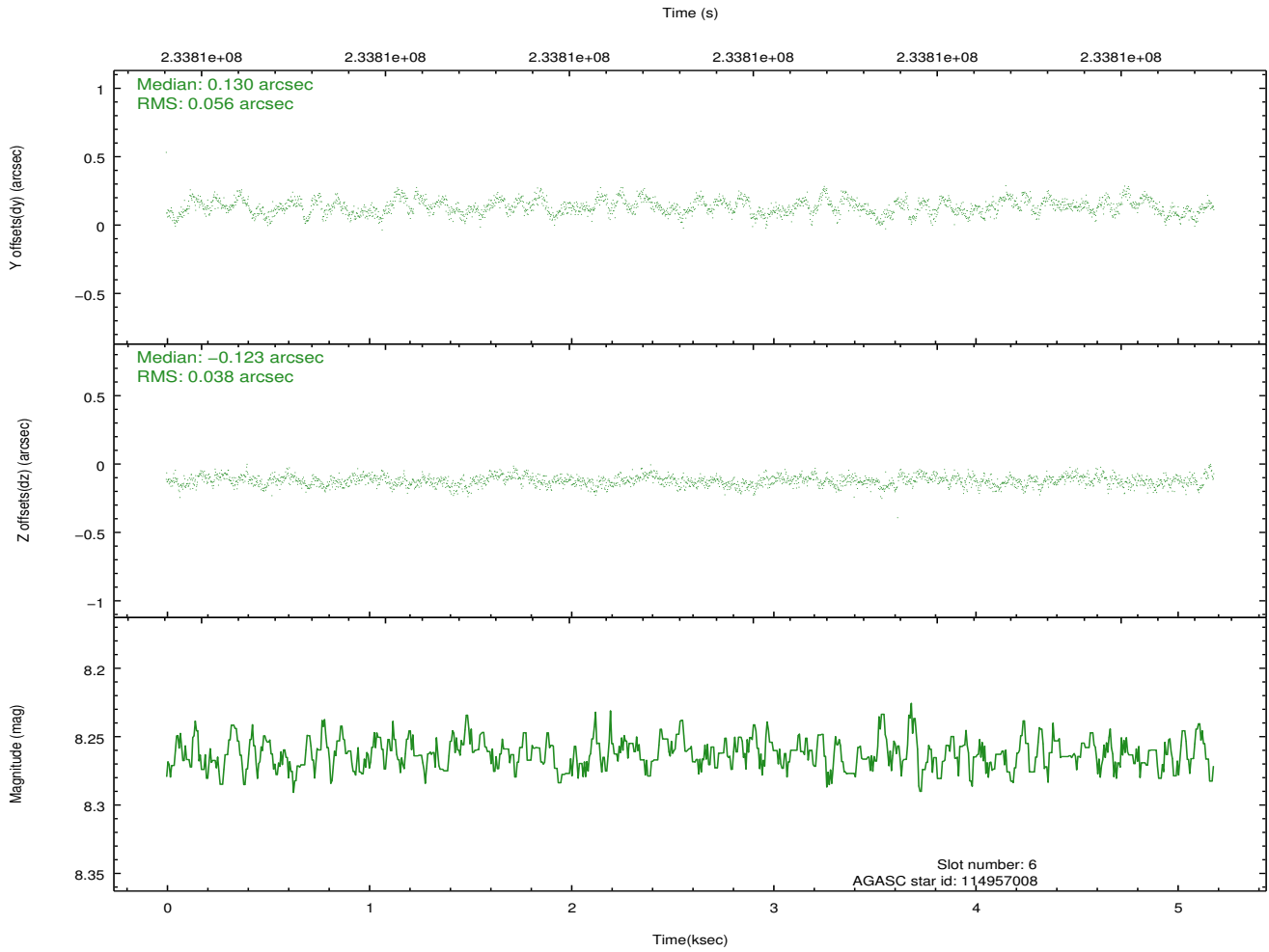
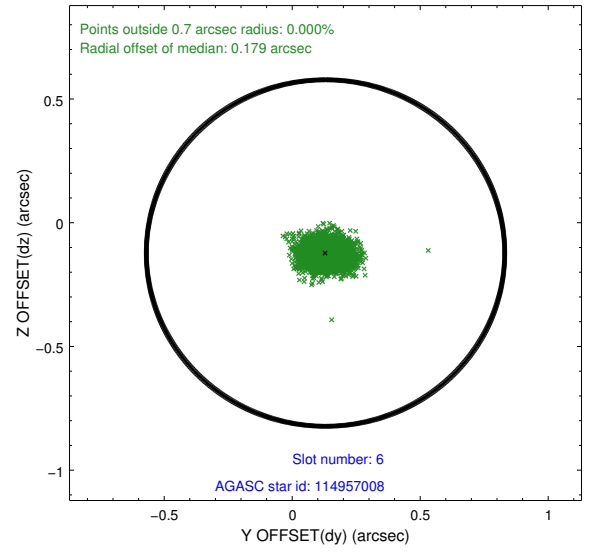
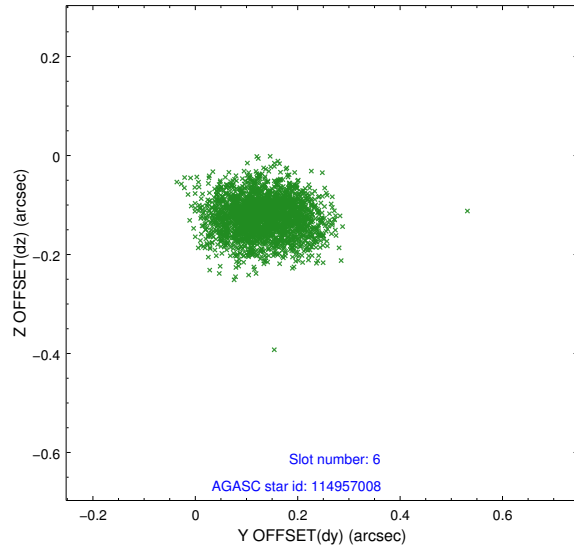
2.4.2 Slot 4



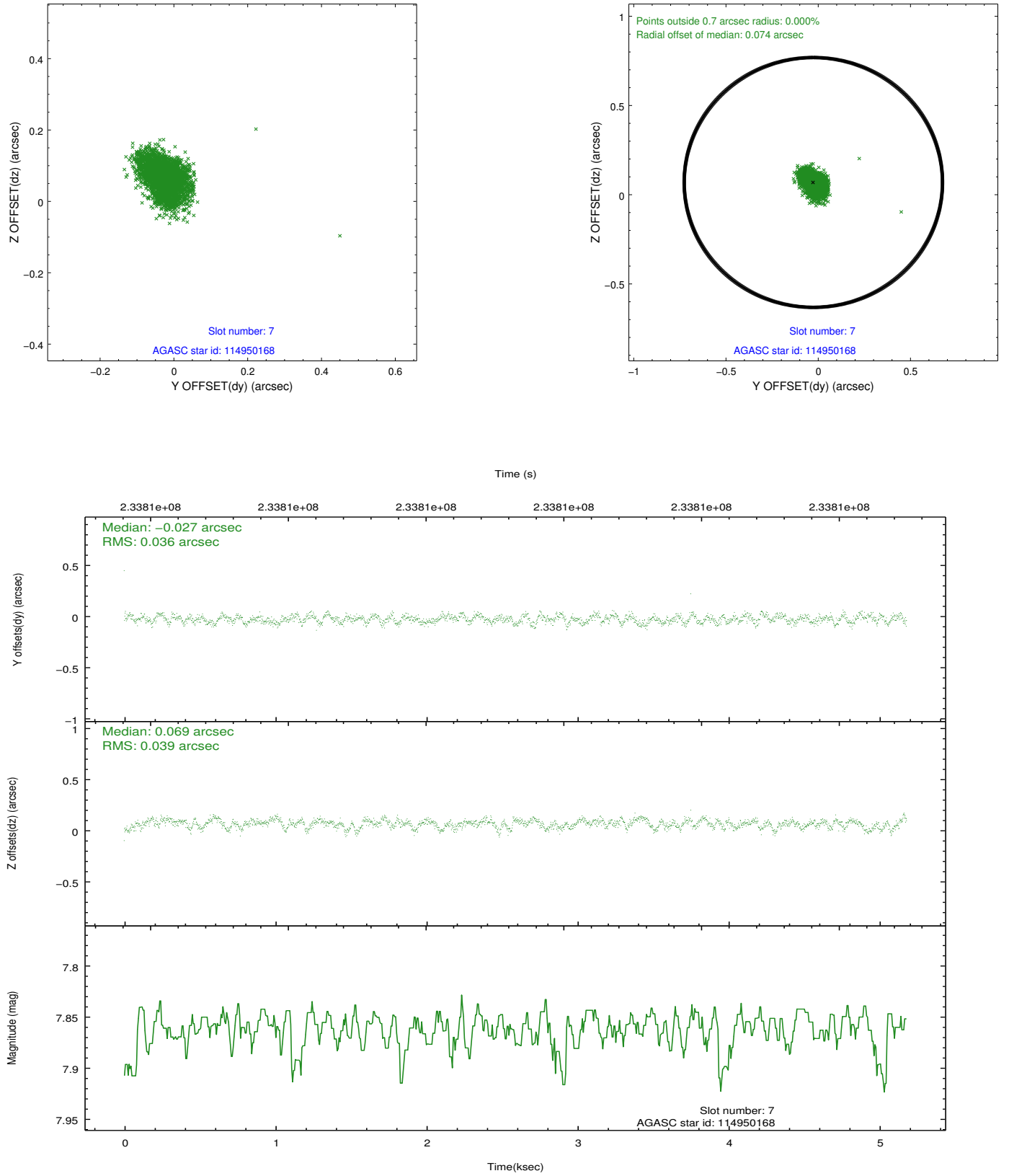
2.4.3 Slot 5



2.4.4 Slot 6

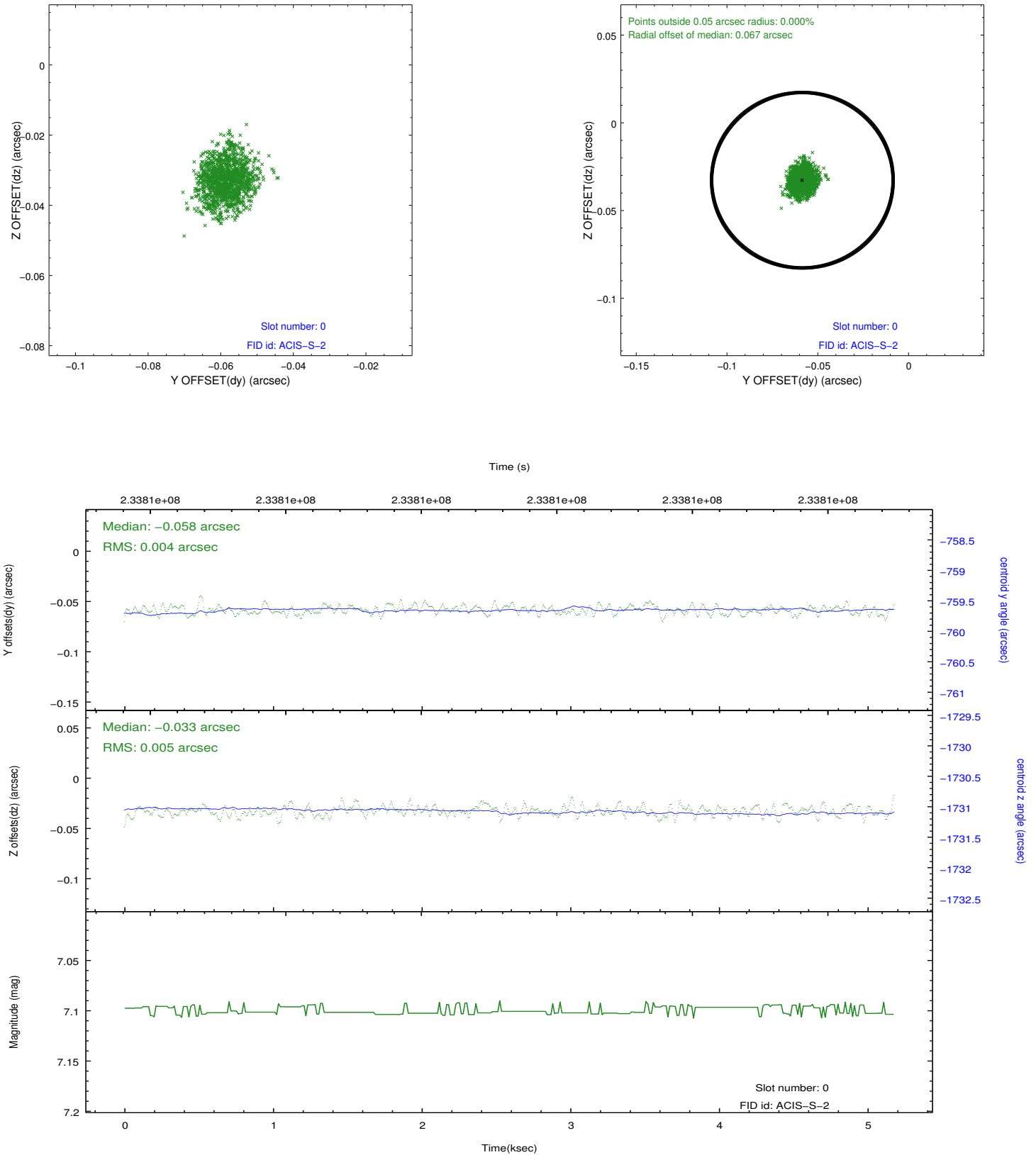


2.4.5 Slot 7

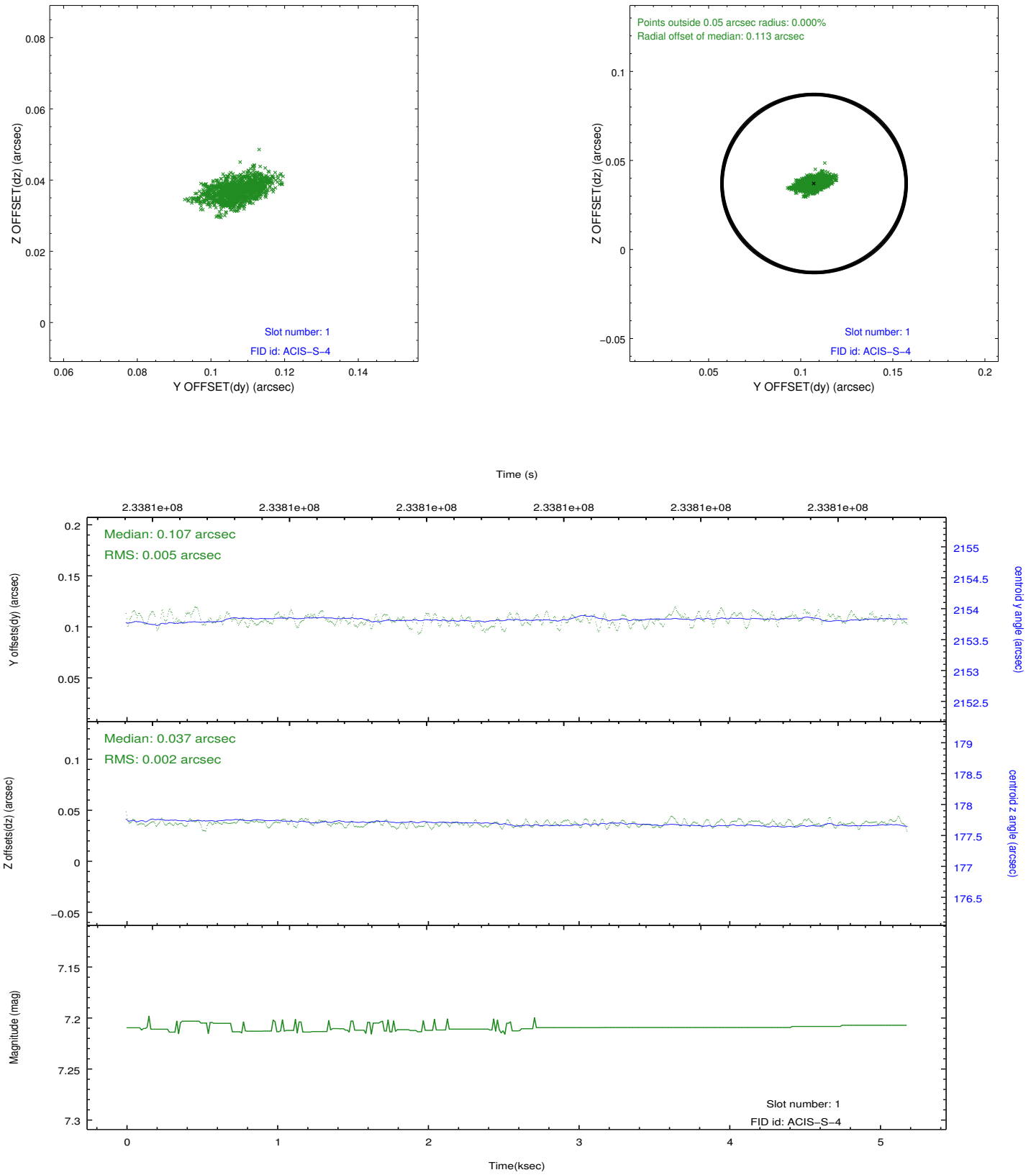


2.5 FID Slots

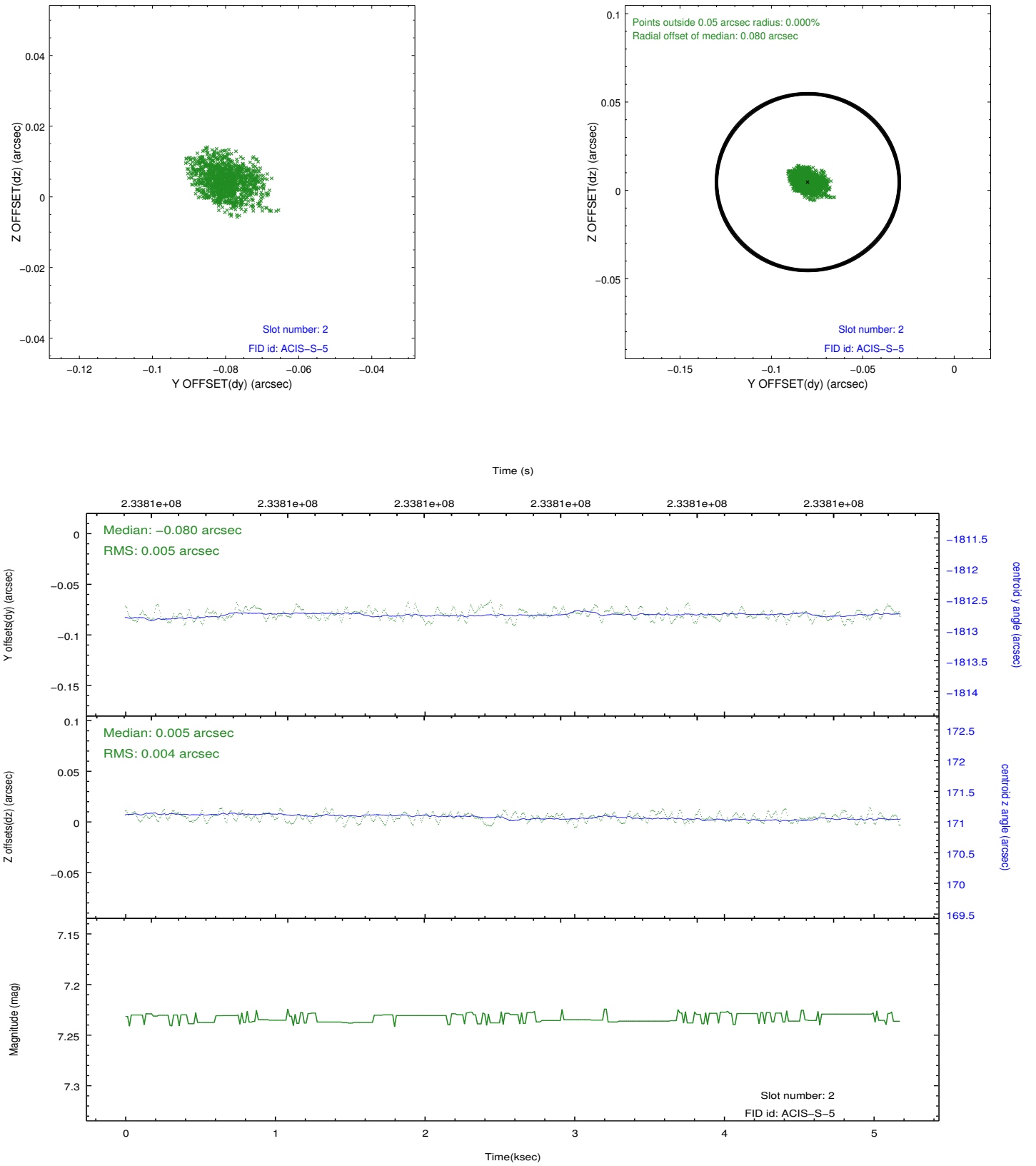
2.5.1 Slot 0



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)	2013.01.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1816

A.2 Comments

Window constraint not met. Joint Proposal: CX0-HST