

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7354 - L2 Version 2
Chandra X-Ray Center

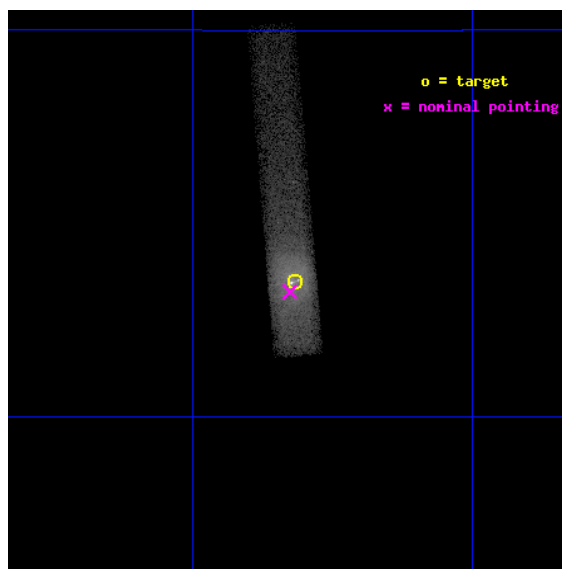
L2 Processing Date : Apr 28 2012

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1 Front

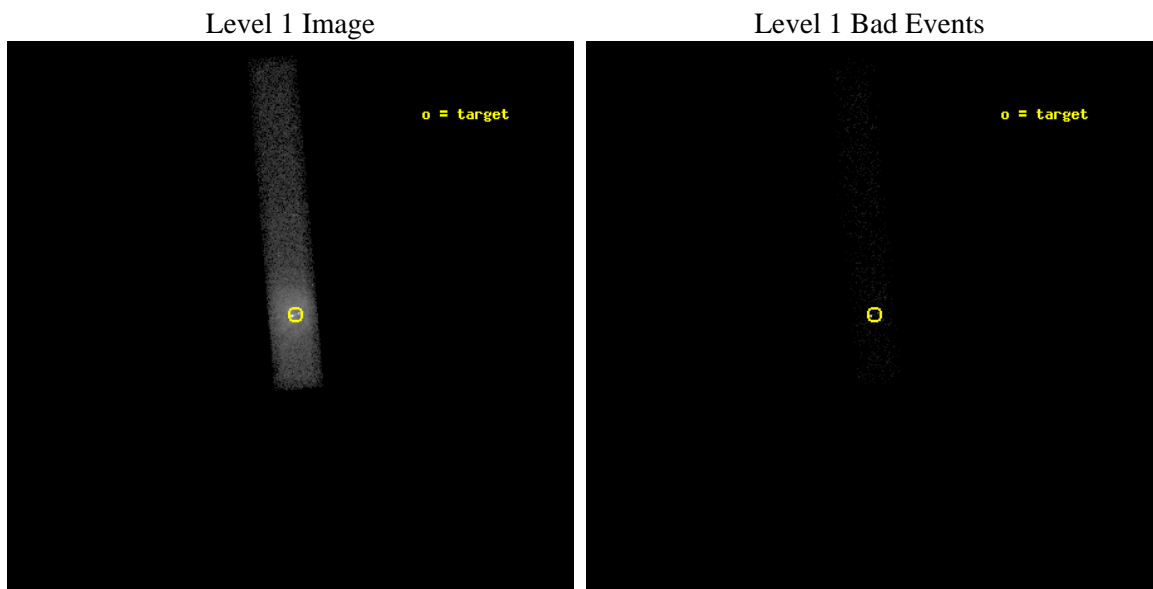
seq_num	701344	Sequence number
obs_id	7354	Observation id
title	HST/Chandra Monitoring of a Dramatic Flare in the M87 Jet	Proposal
observer	Dr. John Biretta	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.70647705418	Nominal RA [deg]
dec_nom	12.387323841673	Nominal Dec [deg]
roll_nom	265.15614878935	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5189.5996906757	Sum of GTIs [s]
livetime	4706.6929899109	Livetime [s]
ontime7	5189.5996906757	Sum of GTIs [s]
l2events	56676	Number of level 2 events



2 OBI

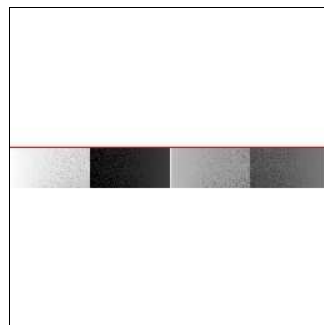
2.1 OBI

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	8.4.4	Processing system revision	ontime	5189.5996906757	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	5189.5996906757	Sum of GTIs [s]
date	2012-04-28T16:01:41	Date and time of file creation	l1events	67044	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

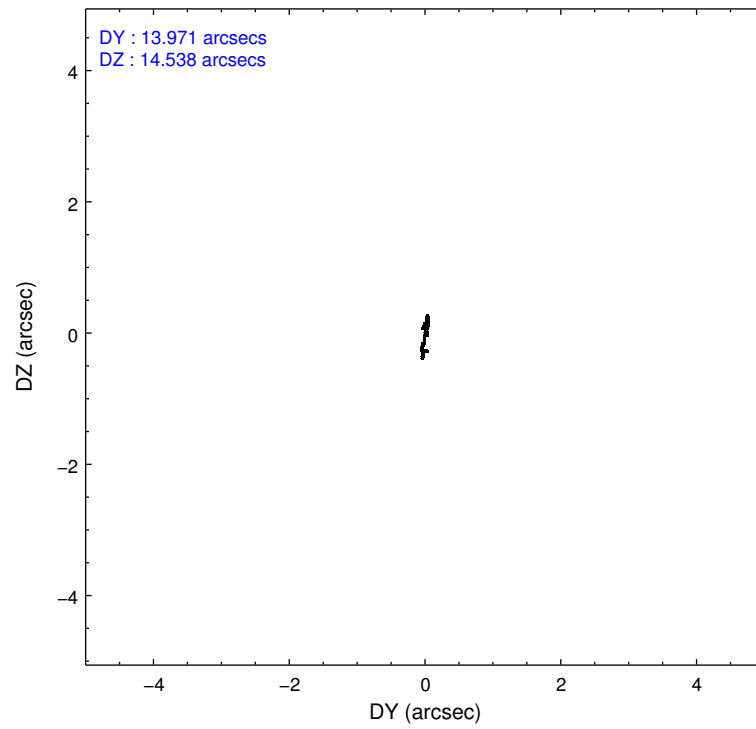
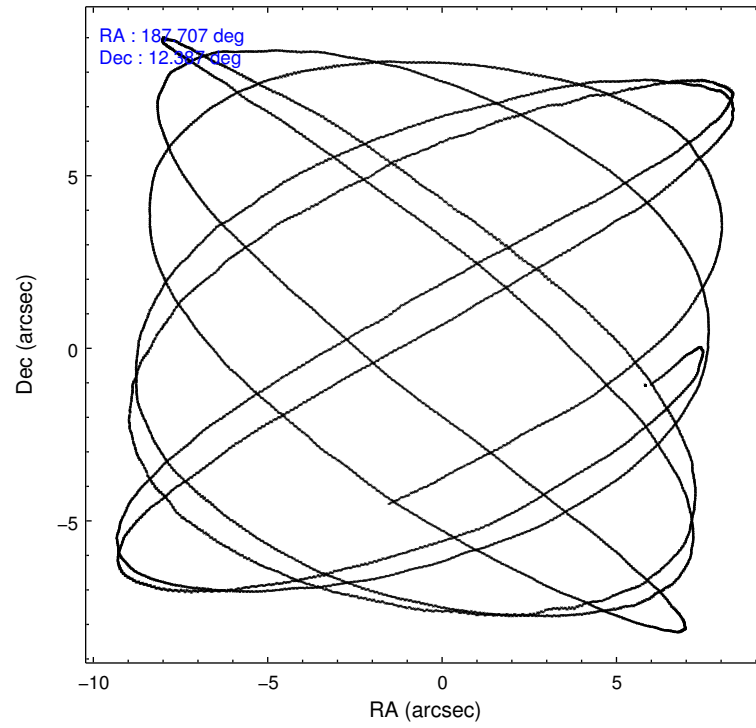
	ccd 7
level 1 events	67044
rejected events	9731
rejected %	14%

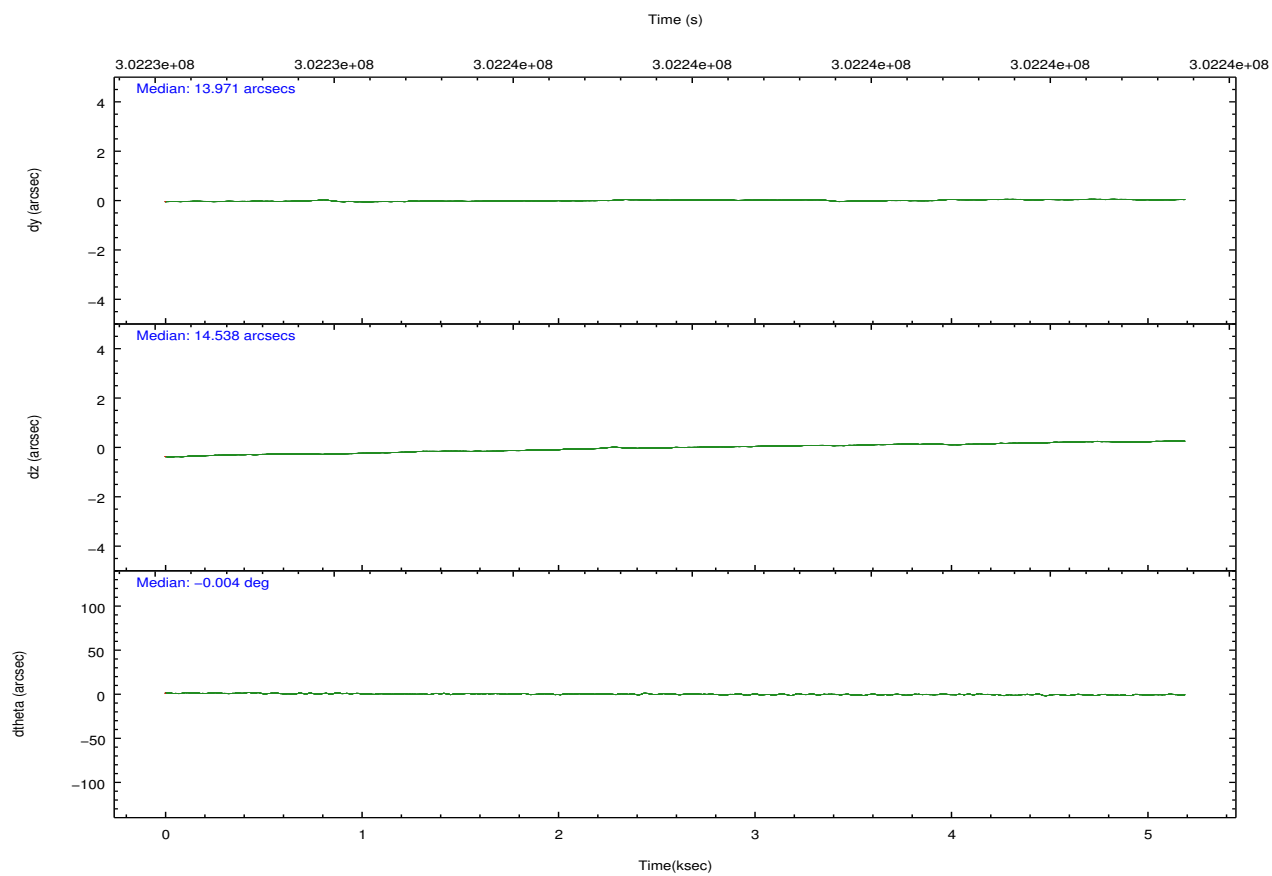
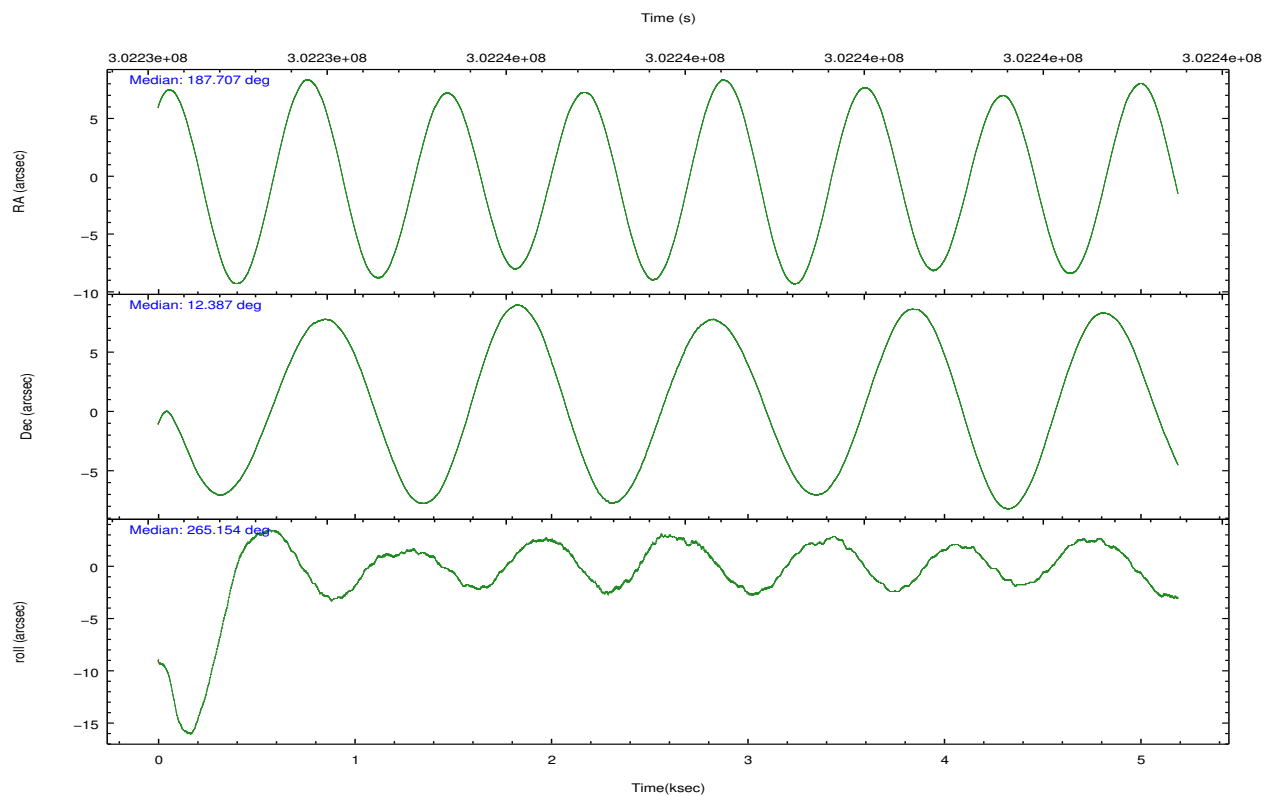
	ccd 7
grade 0 events	17174
	25%
grade 1 events	281
	0%
grade 2 events	15240
	22%
grade 3 events	6877
	10%
grade 4 events	6725
	10%
grade 5 events	2154
	3%
grade 6 events	13167
	19%
grade 7 events	5426
	8%

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	187.694159	187.7064770541753	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.411924	12.38732384167335	Subarray start row	449	449
[deg] Pointing Roll	265.002156	265.1561487893531	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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	302233501.184000	302232637.78678			
Observation start date	2007-07-31T01:43:56	2007-07-31T01:30:37			
[s] Observation end time (MET)	302238501.184000	302239715.41212			
Observation end date	2007-07-31T03:07:16	2007-07-31T03:28:35			
Read mode	TIMED	TIMED			

2.3 Aspect



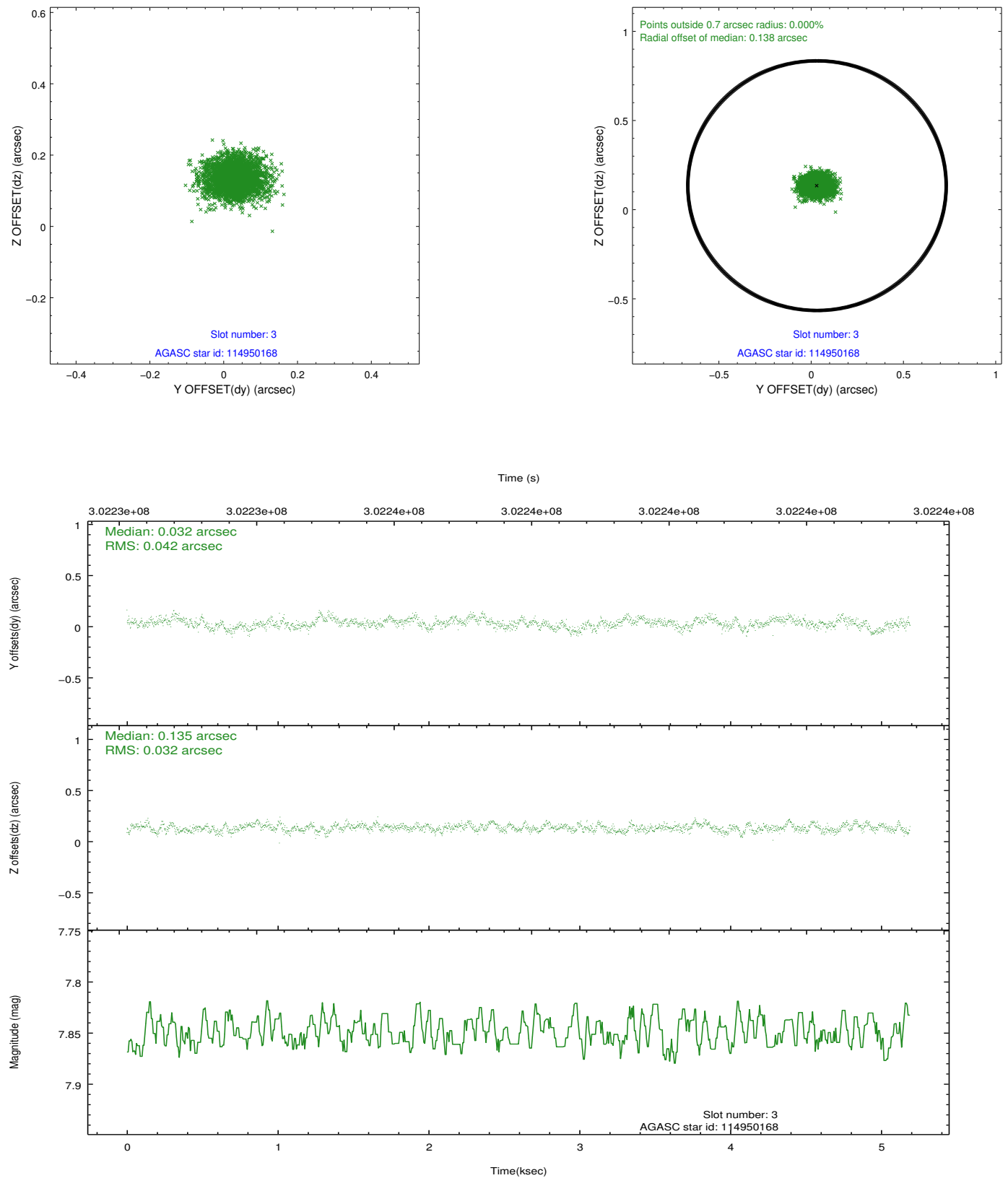


Slot Statistics

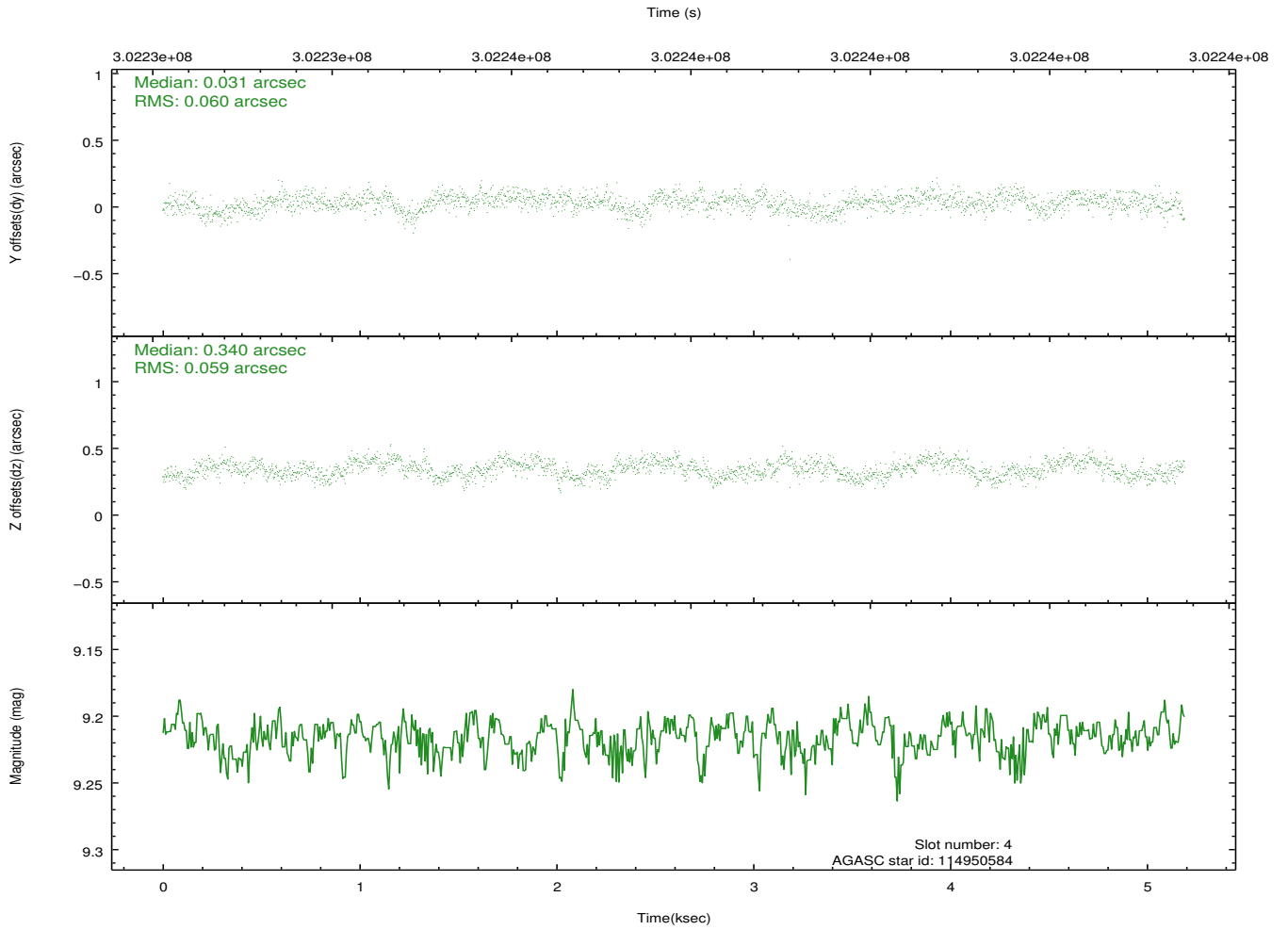
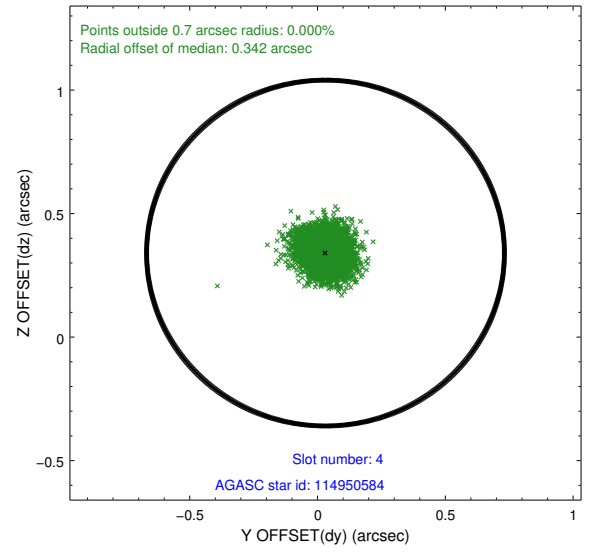
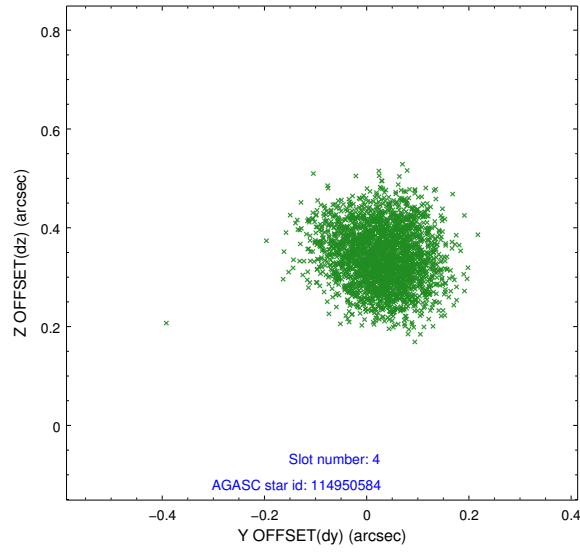
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1267	-0.068	-0.045	0.009	0.015	0.000000	0.000000	-766.97	-1735.87
1	FID	ACIS-S-4	7.19	1267	0.202	0.045	0.006	0.011	0.000000	0.000000	2146.03	171.51
2	FID	ACIS-S-5	7.22	1267	-0.166	0.008	0.008	0.014	0.000000	0.000000	-1818.43	166.44
3	GUIDE	114950168	7.85	2531	0.032	0.135	0.056	0.094	187.143398	12.117441	1223.79	-1838.91
4	GUIDE	114950584	9.22	2529	0.031	0.340	0.091	0.141	187.487323	11.827248	2161.15	-543.35
5	GUIDE	114955056	8.32	2532	-0.028	-0.214	0.078	0.121	187.914001	12.127854	952.31	859.30
6	GUIDE	114955568	7.55	2533	0.202	-0.292	0.066	0.114	187.061916	11.826551	2292.05	-2036.10
7	GUIDE	115348424	9.49	2529	-0.235	0.040	0.121	0.189	187.199498	13.087929	-2273.53	-1941.22

2.4 Star Slots

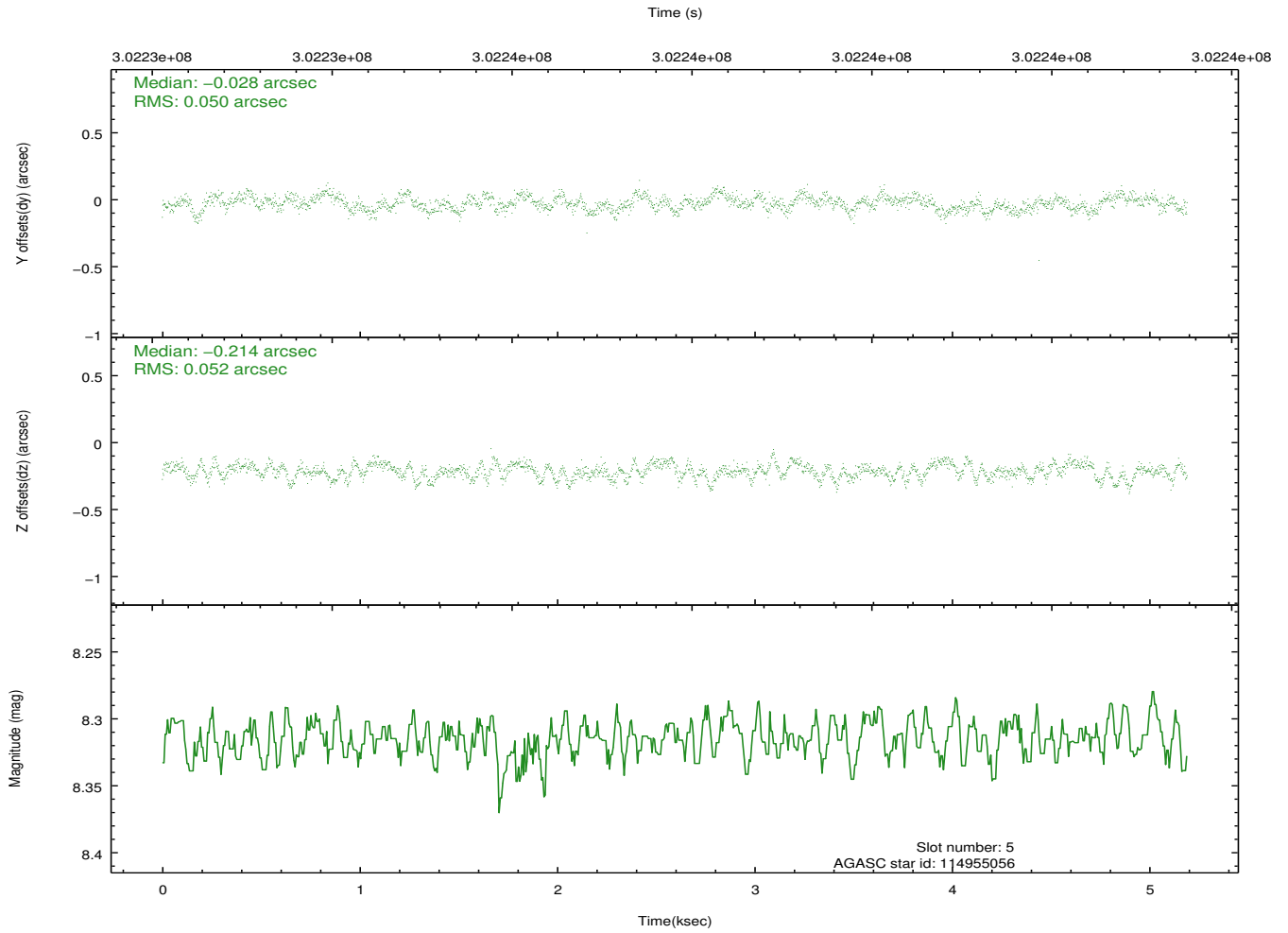
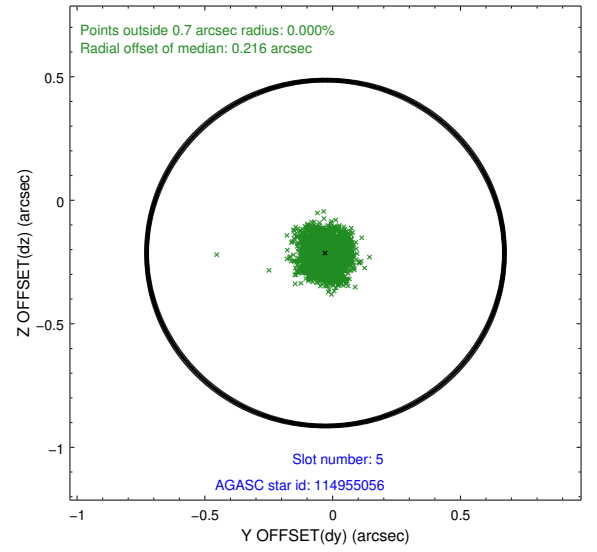
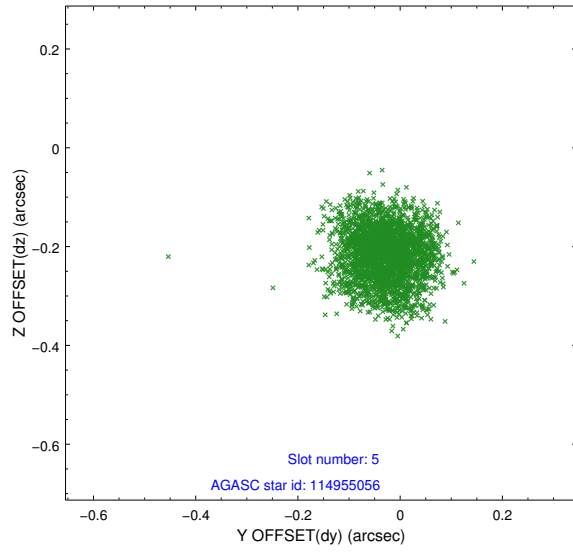
2.4.1 Slot 3



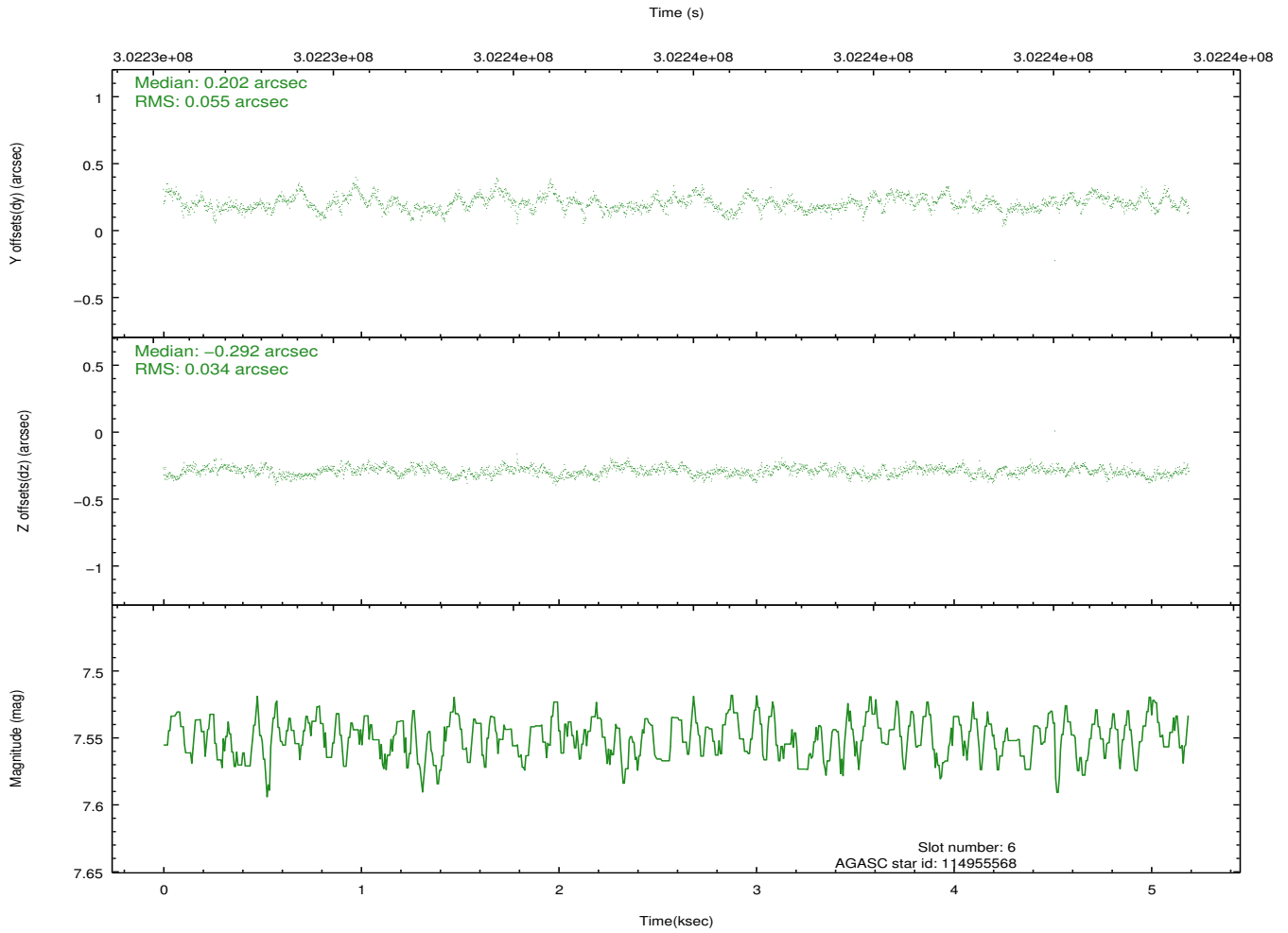
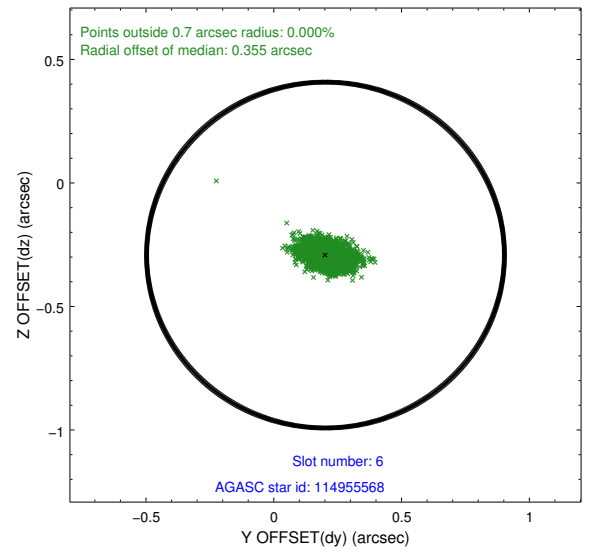
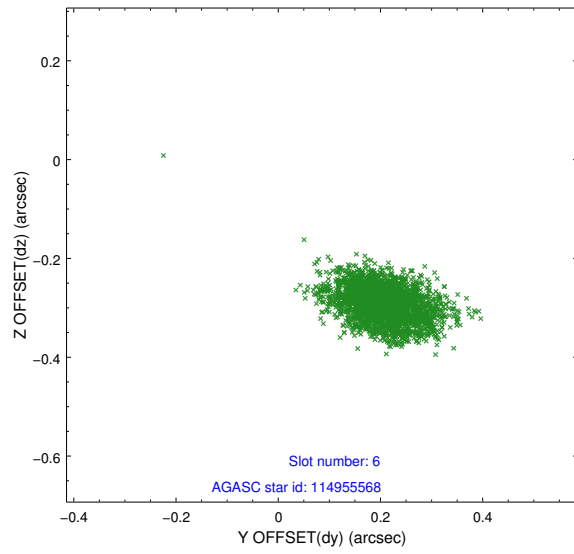
2.4.2 Slot 4



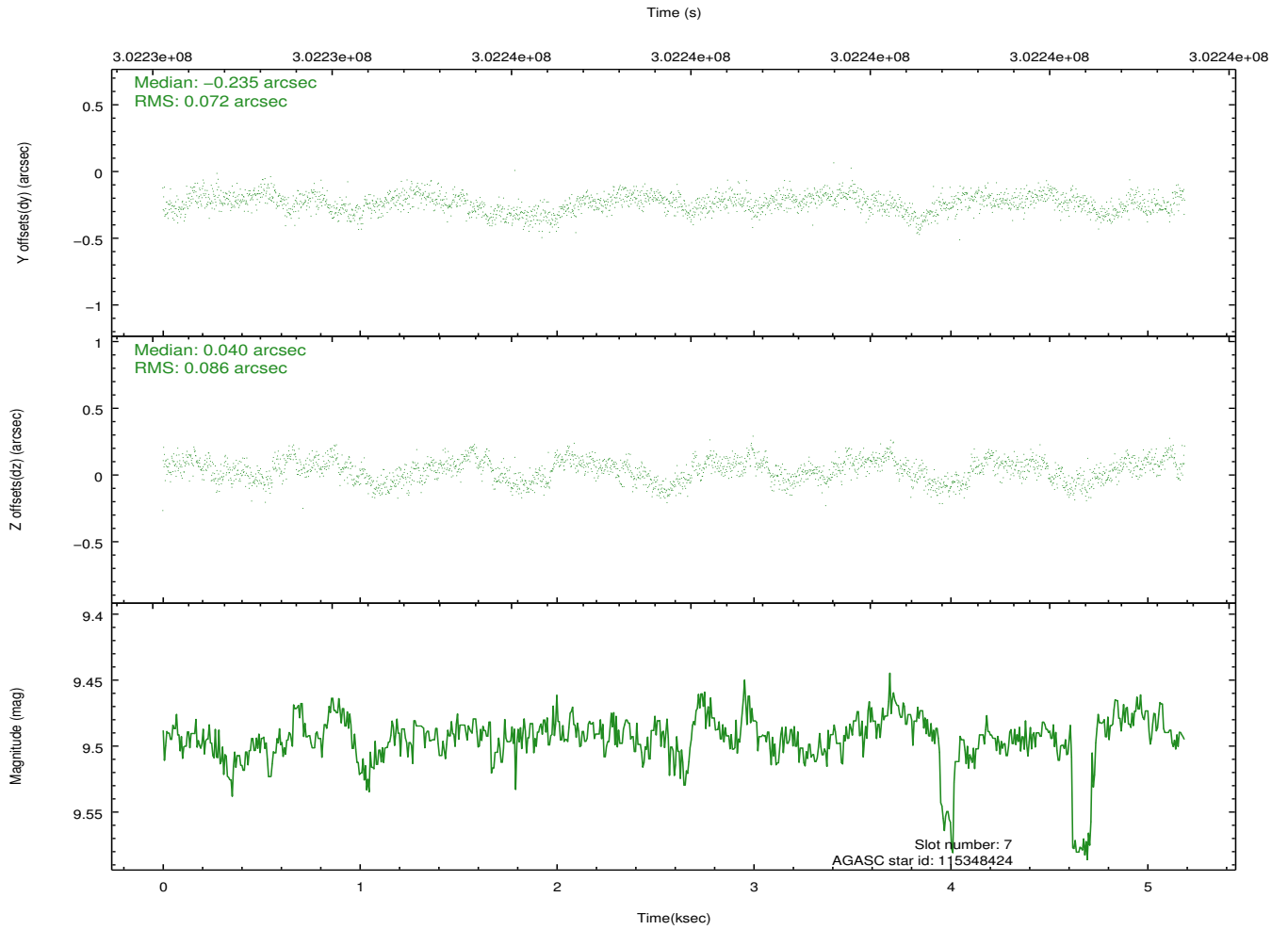
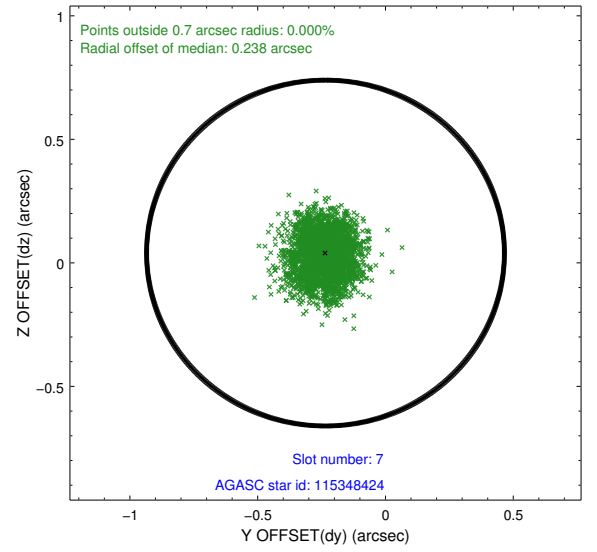
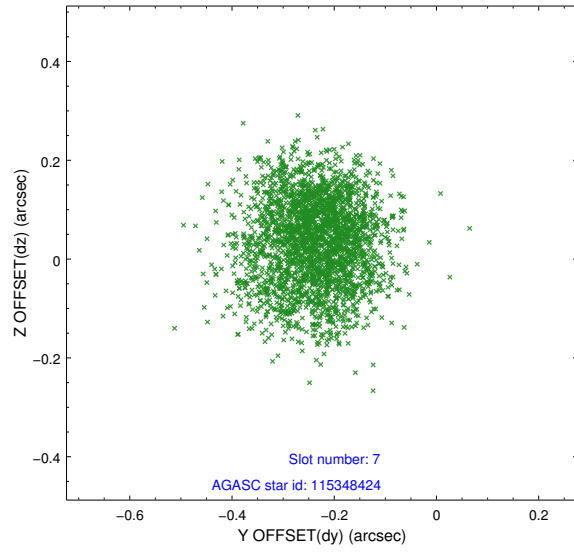
2.4.3 Slot 5



2.4.4 Slot 6

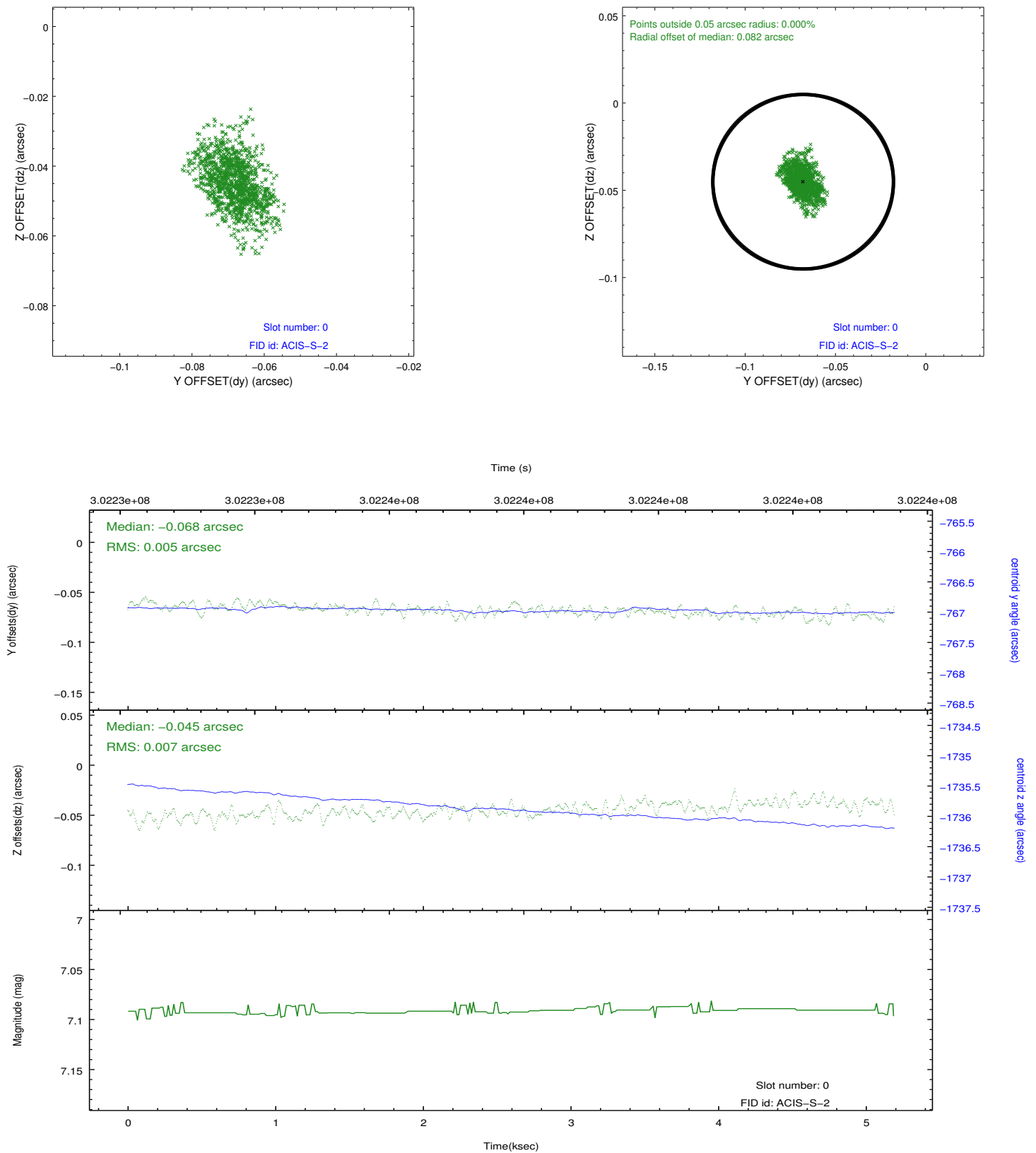


2.4.5 Slot 7

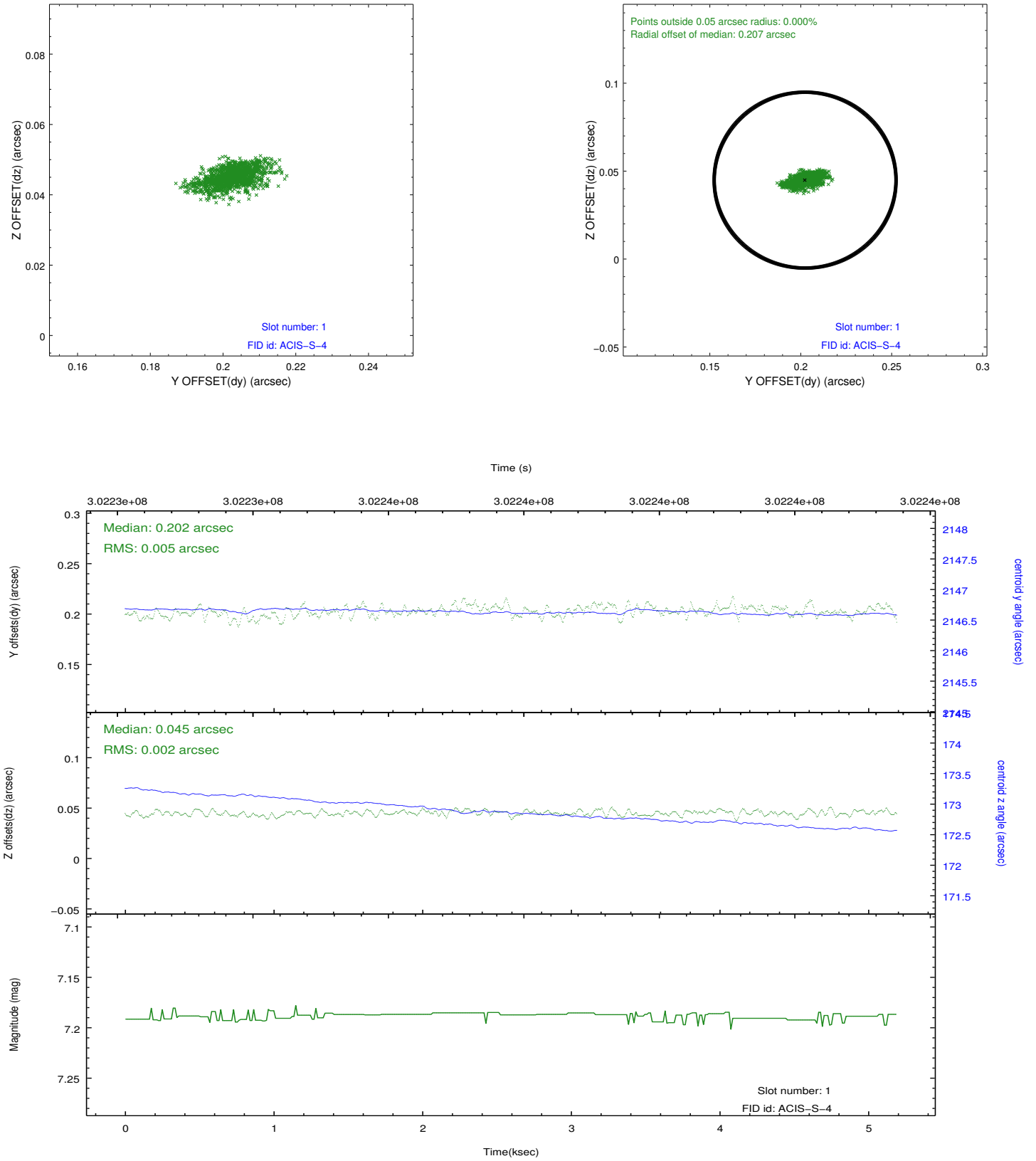


2.5 FID Slots

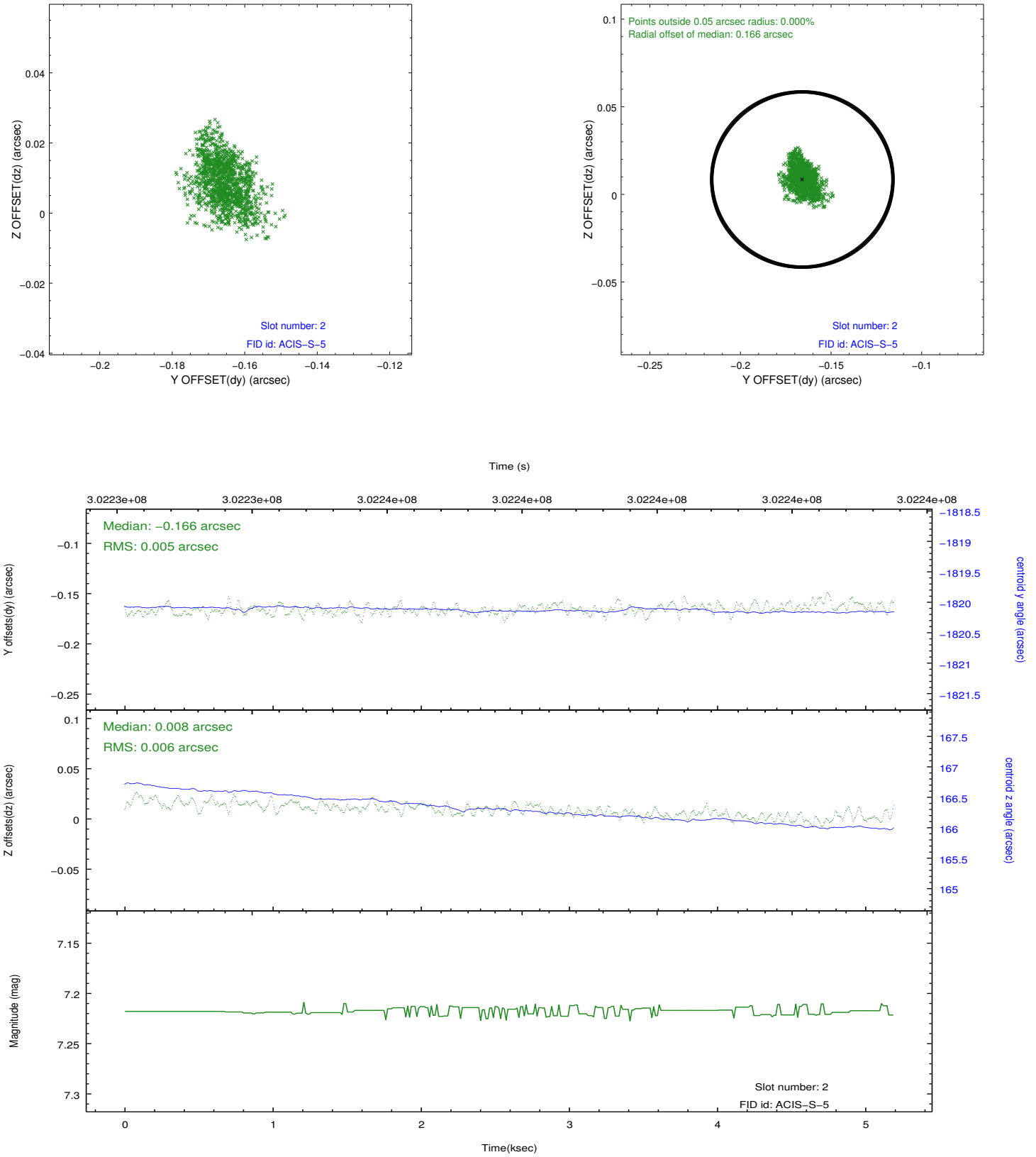
2.5.1 Slot 0



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)	2012.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18959969

A.2 Comments

Joint Proposal: CX0-HST