

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5913 - L2 Version 3
Chandra X-Ray Center

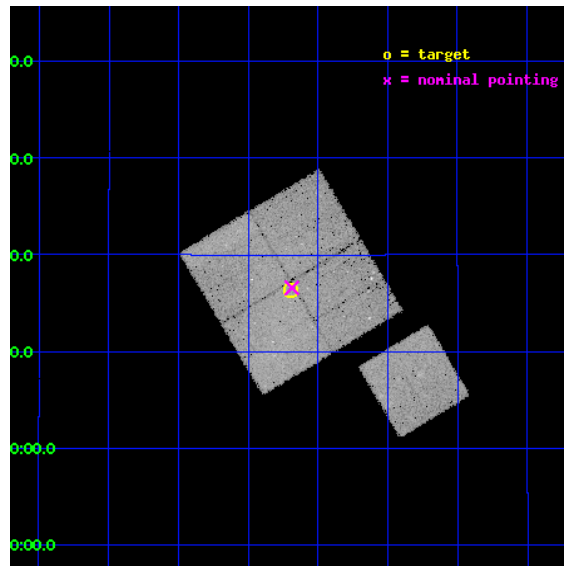
L2 Processing Date : Dec 20 2012

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1 Front

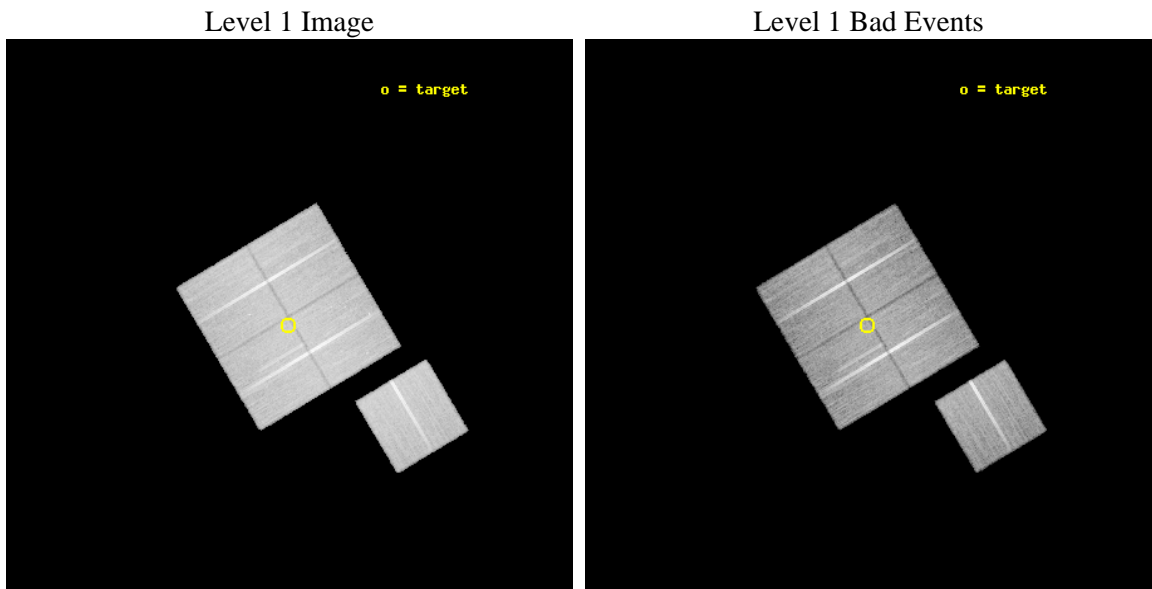
seq_num	600432	Sequence number
obs_id	5913	Observation id
title	Understanding the Process of Ram Pressure Stripping in M86	Proposa
observer	Dr. Christine Jones	Principal investigator
object	M86	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.299583	Observer's specified target RA [deg]
dec_targ	13.272722	Observer's specified target Dec [deg]
ra_nom	186.29675385689	Nominal RA [deg]
dec_nom	13.276464803048	Nominal Dec [deg]
roll_nom	149.20654437419	Nominal Roll [deg]
revision	3	Processing version of data
ontime	36137.599865377	Sum of GTIs [s]
livetime	35680.003816431	Livetime [s]
ontime0	36134.358875096	Sum of GTIs [s]
ontime1	36124.635904342	Sum of GTIs [s]
ontime2	36134.358865201	Sum of GTIs [s]
ontime3	36137.599865377	Sum of GTIs [s]
ontime6	36137.599865377	Sum of GTIs [s]
l2events	114279	Number of level 2 events



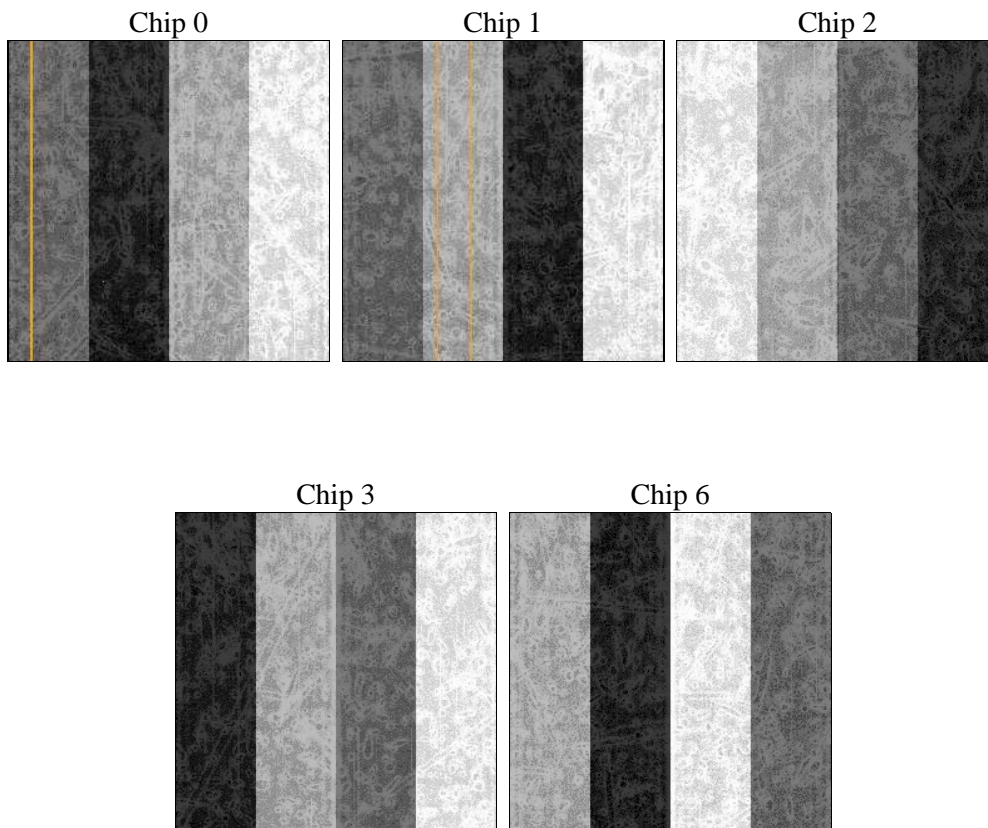
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	36000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	36137.599865377	Sum of GTIs [s]
caldbver	4.5.5	 	ontime0	36134.358875096	Sum of GTIs [s]
date	2012-12-20T17:54:41	Date and time of file creation	ontime1	36124.635904342	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	36134.358865201	Sum of GTIs [s]
			ontime3	36137.599865377	Sum of GTIs [s]
			ontime6	36137.599865377	Sum of GTIs [s]
			l1events	1133342	Number of level 1 events

2.1.4 Events

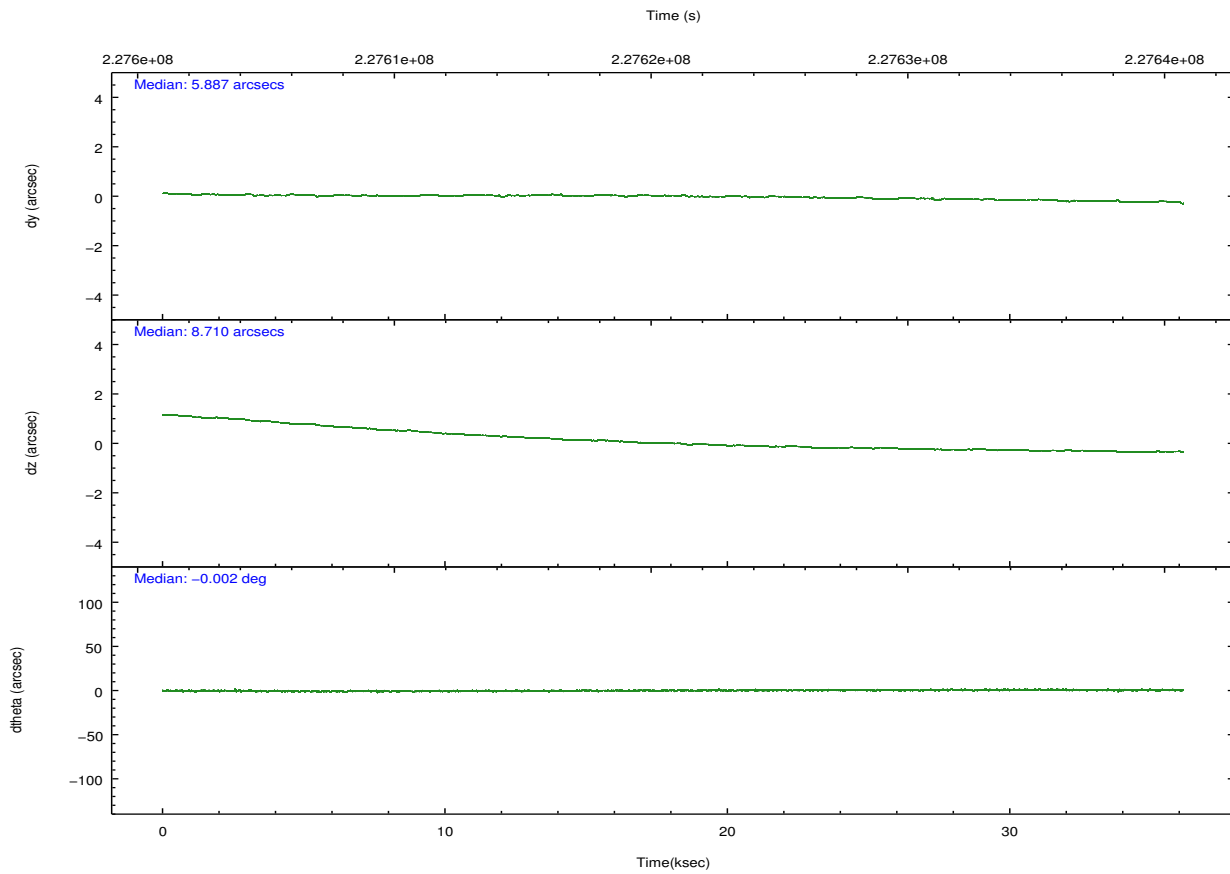
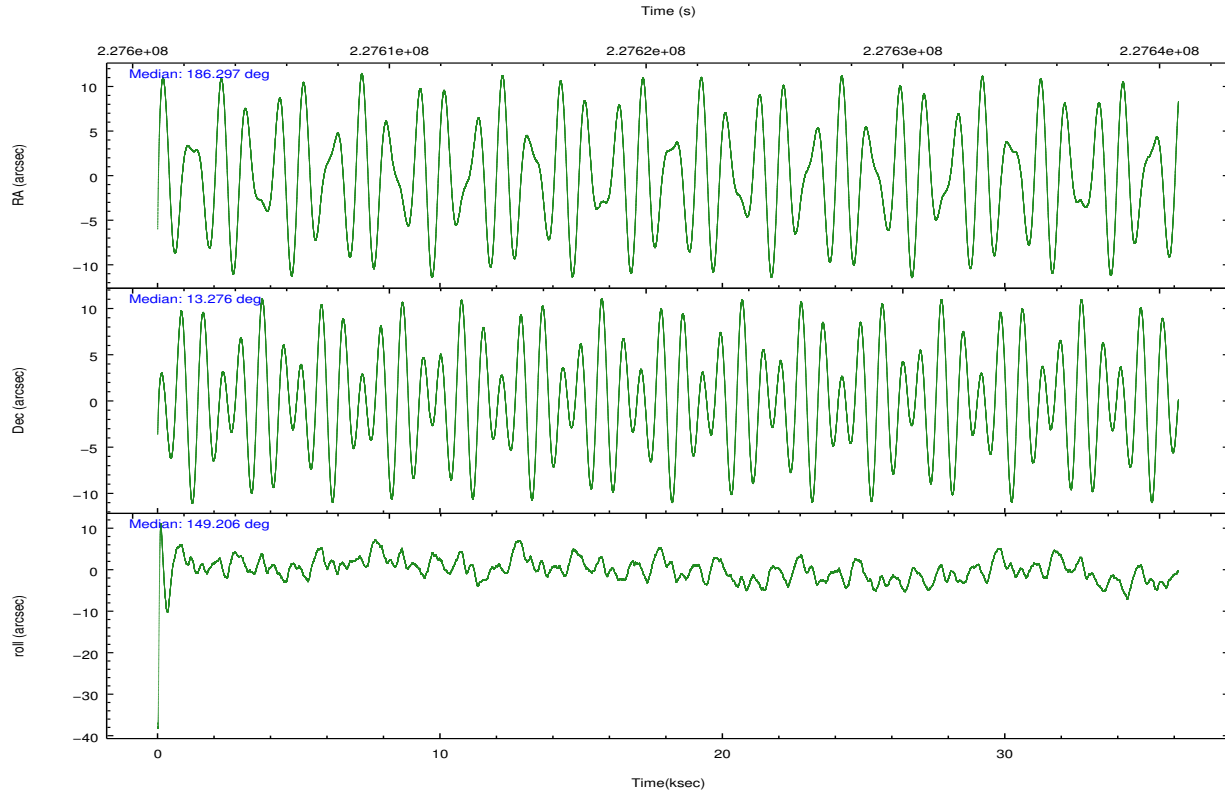
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	214078	216204	237376	235933	229751
rejected events	188969	187424	211824	206573	204204
rejected %	88%	86%	89%	87%	88%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	10417	12584	11308	14946	10650
	4%	5%	4%	6%	4%
grade 1 events	118	100	120	156	102
	0%	0%	0%	0%	0%
grade 2 events	5516	5853	5404	5219	5222
	2%	2%	2%	2%	2%
grade 3 events	2739	2996	2576	2641	2665
	1%	1%	1%	1%	1%
grade 4 events	2459	2844	2664	2672	2583
	1%	1%	1%	1%	1%
grade 5 events	8147	8622	7657	9030	8840
	3%	3%	3%	3%	3%
grade 6 events	4457	5033	4083	4428	4898
	2%	2%	1%	1%	2%
grade 7 events	180225	178172	203564	196841	194791
	84%	82%	85%	83%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	186.324904	186.2967538568944	Subarray requested	NONE	NONE
[deg] Pointing Dec	13.276186	13.2764648030482	Alternating exposures requested	N	N
[deg] Pointing Roll	148.991413	149.2065443741888	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	227602935.184000	227601576.60139			
Observation start date	2005-03-19T07:01:11	2005-03-19T06:39:36			
[s] Observation end time (MET)	227638935.184000	227639589.24061			
Observation end date	2005-03-19T17:01:11	2005-03-19T17:13:09			
Read mode	TIMED	TIMED			

2.3 Aspect

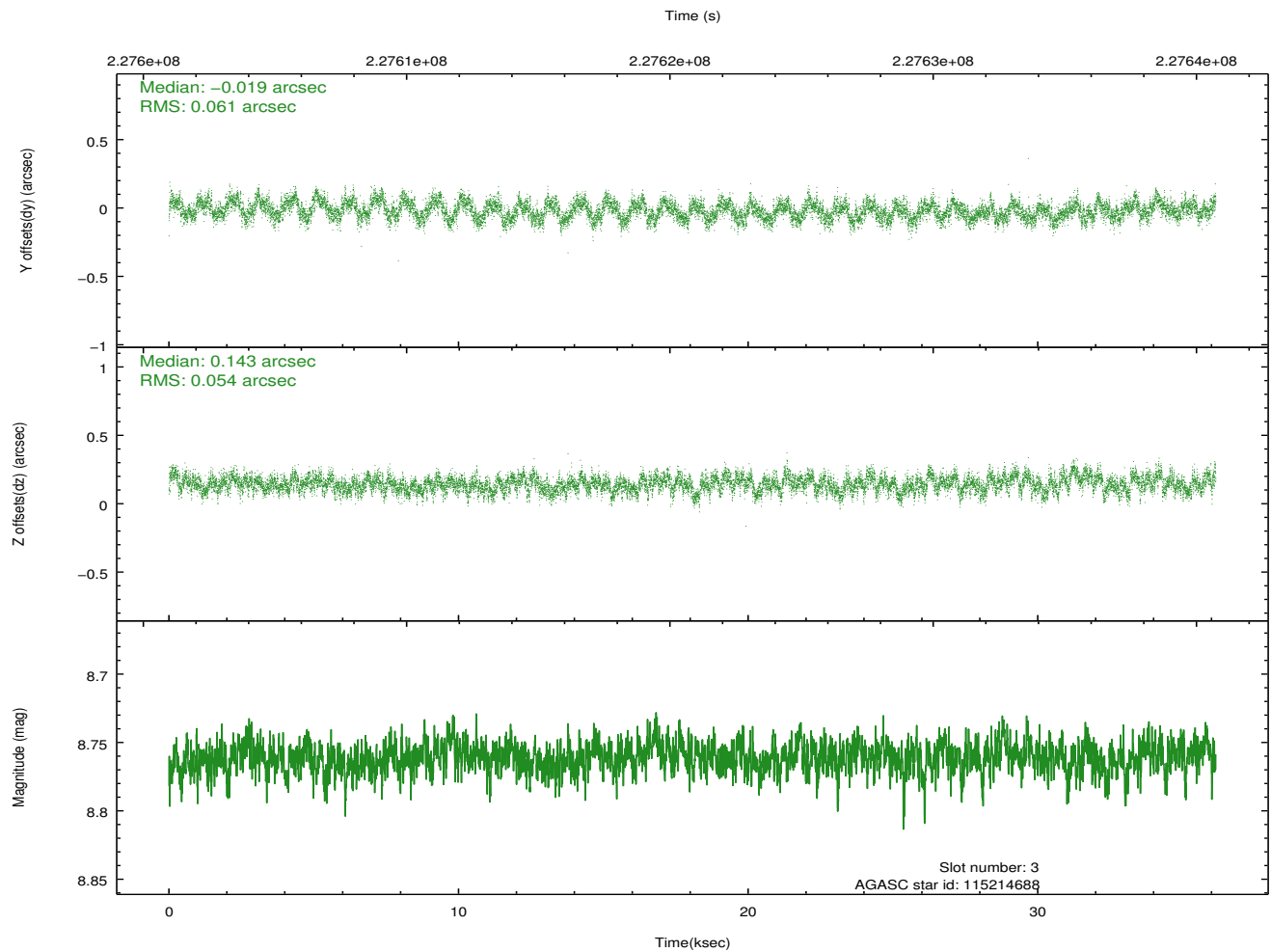
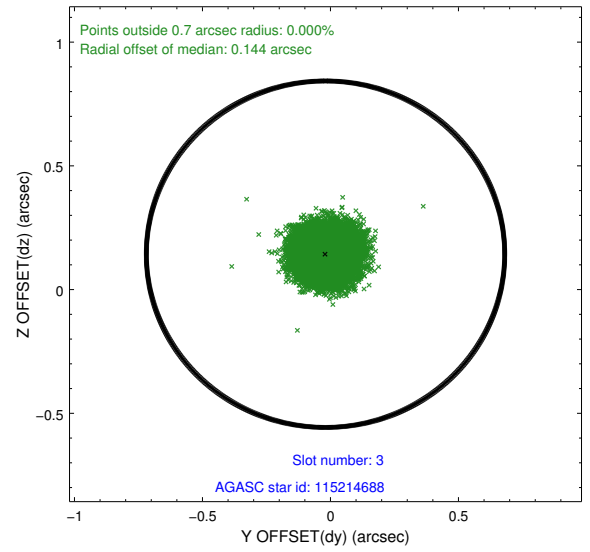
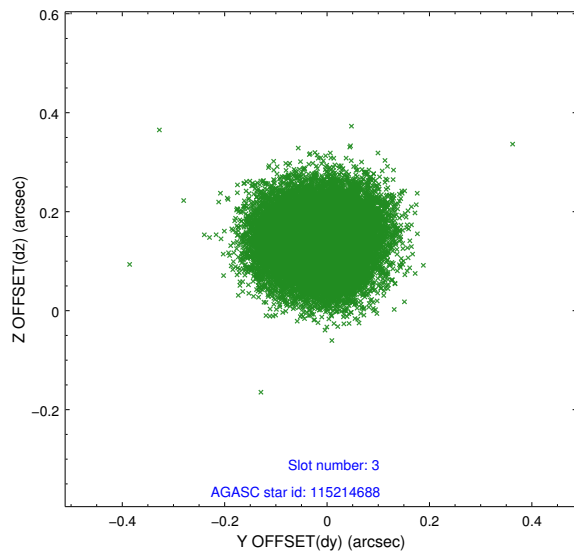


Slot Statistics

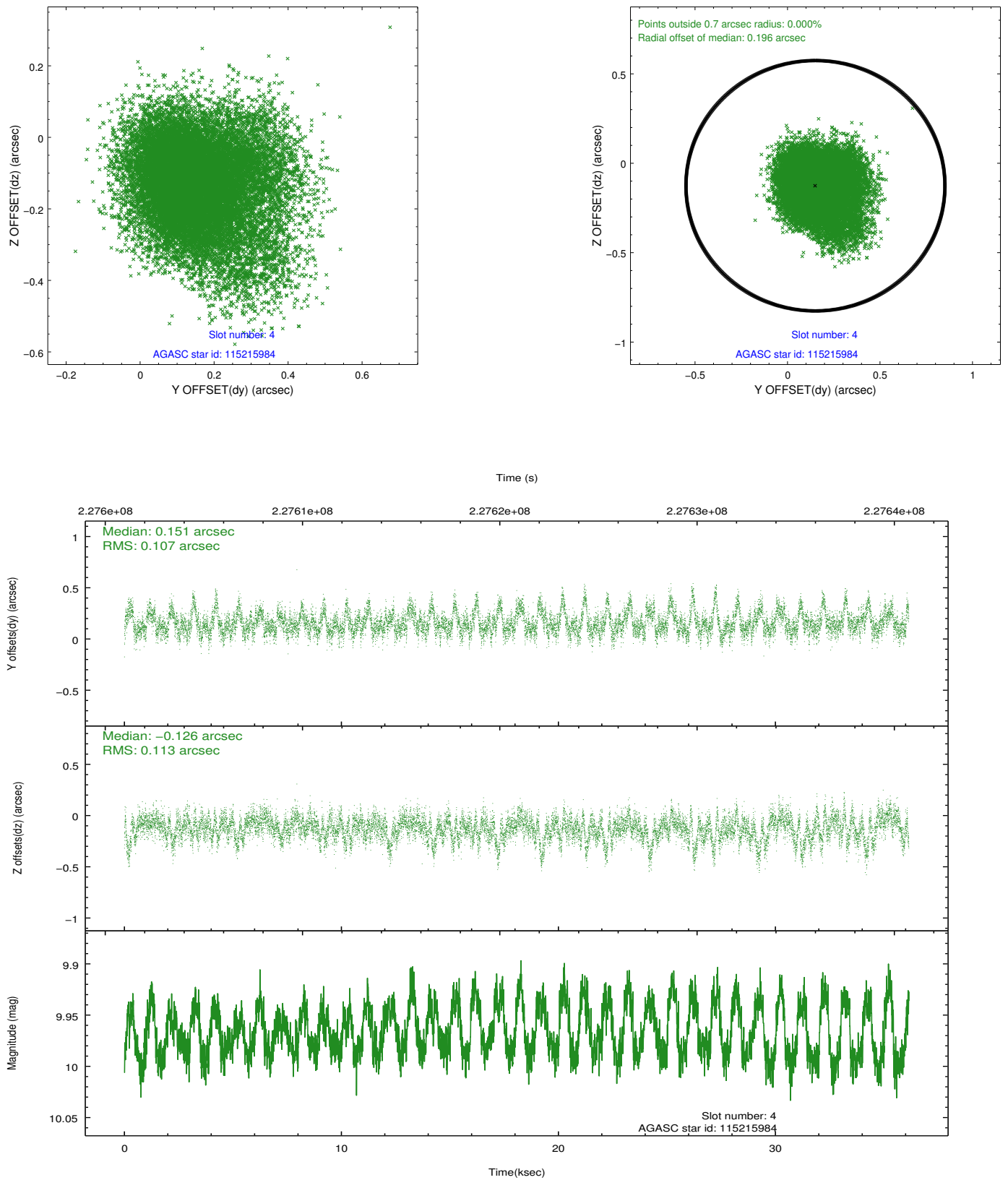
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	8816	0.009	0.039	0.015	0.029	0.000000	0.000000	933.87	-832.26
1	FID	ACIS-I-5	7.23	8814	-0.155	0.037	0.014	0.024	0.000000	0.000000	-1814.38	1065.21
2	FID	ACIS-I-6	7.26	8814	0.054	-0.008	0.014	0.037	0.000000	0.000000	399.42	1709.71
3	GUIDE	115214688	8.76	17632	-0.019	0.143	0.089	0.137	185.816167	13.622157	2168.43	-151.59
4	GUIDE	115215984	9.97	17624	0.151	-0.126	0.161	0.281	186.134733	12.875031	-171.21	1581.73
5	GUIDE	115347400	10.20	17555	-0.031	-0.149	0.191	0.327	186.994146	13.445598	-1692.14	-1732.10
6	GUIDE	115347480	9.46	17619	0.065	0.053	0.105	0.177	186.668576	13.310410	-967.68	-726.28
7	GUIDE	115349448	9.75	17615	-0.163	0.091	0.156	0.236	186.471080	13.770115	478.48	-1787.00

2.4 Star Slots

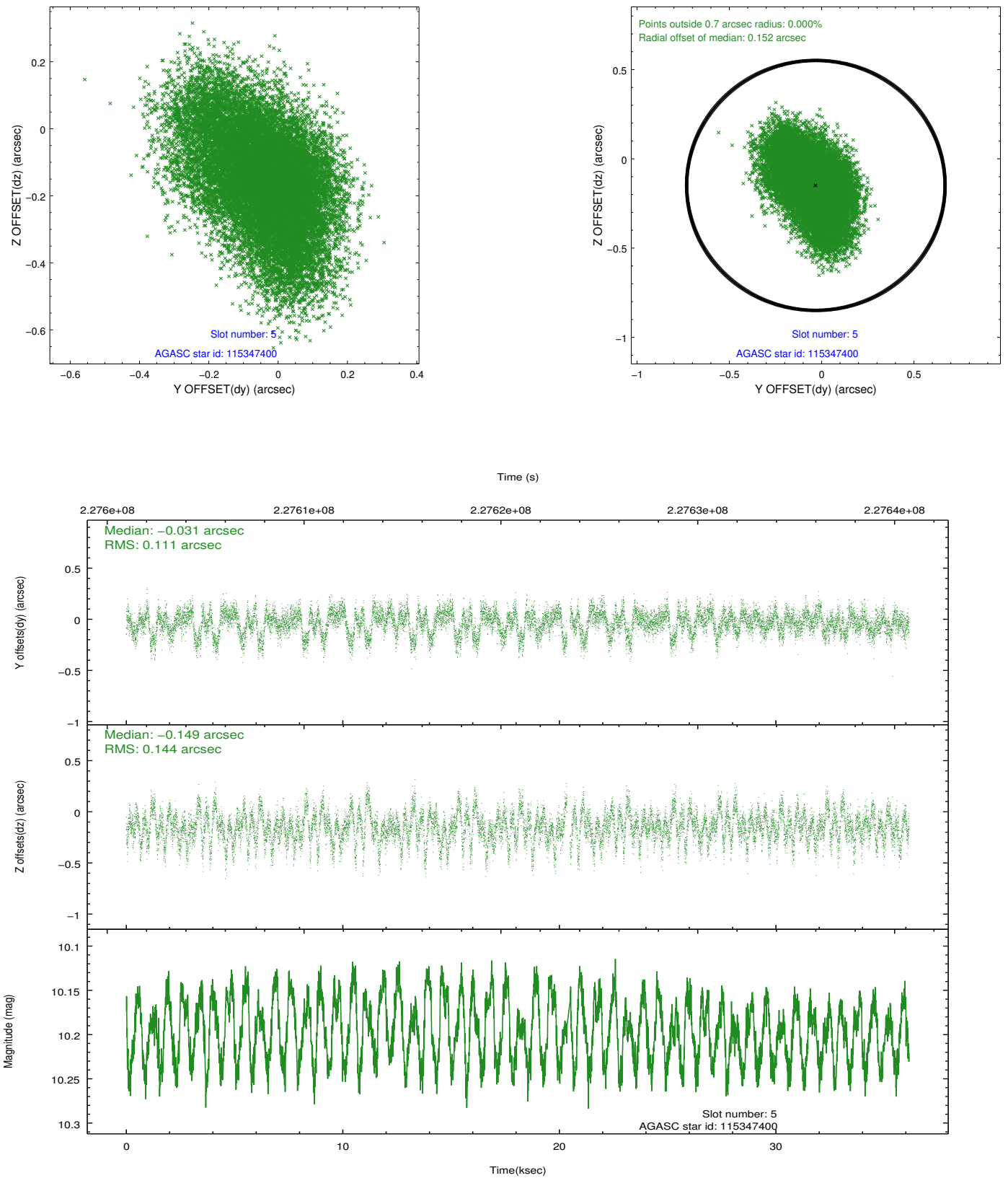
2.4.1 Slot 3



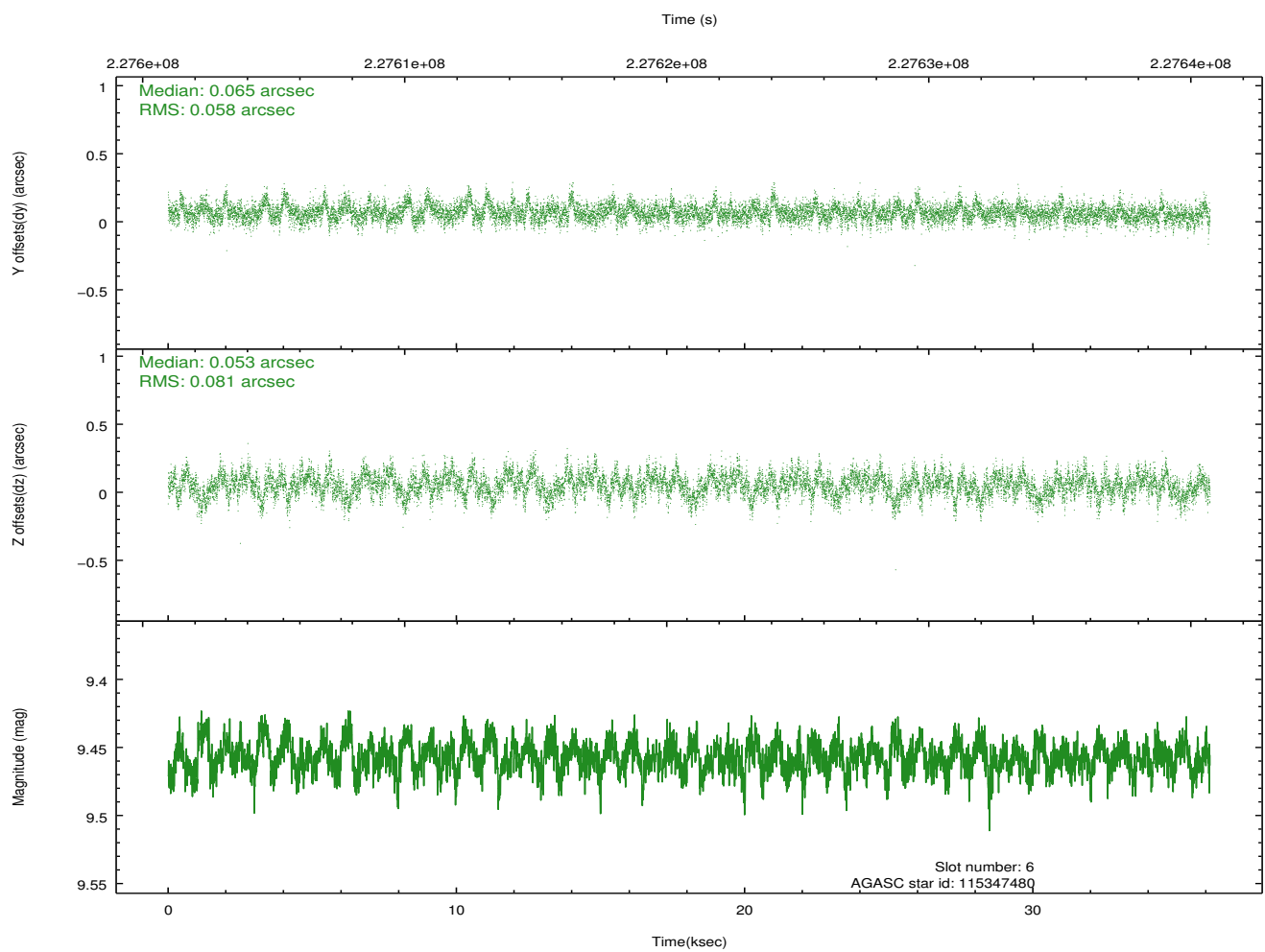
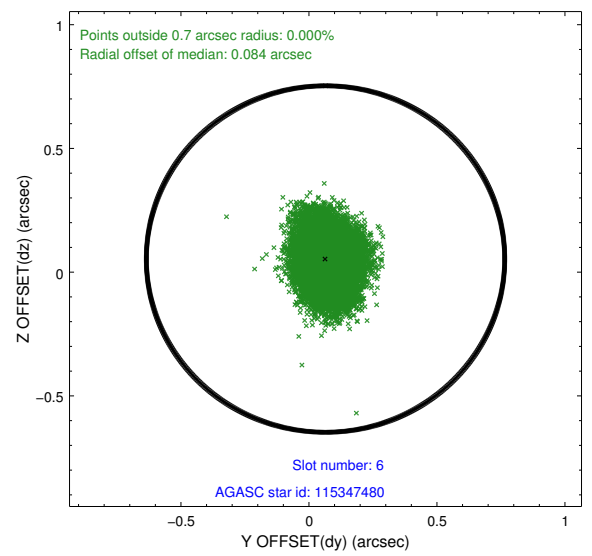
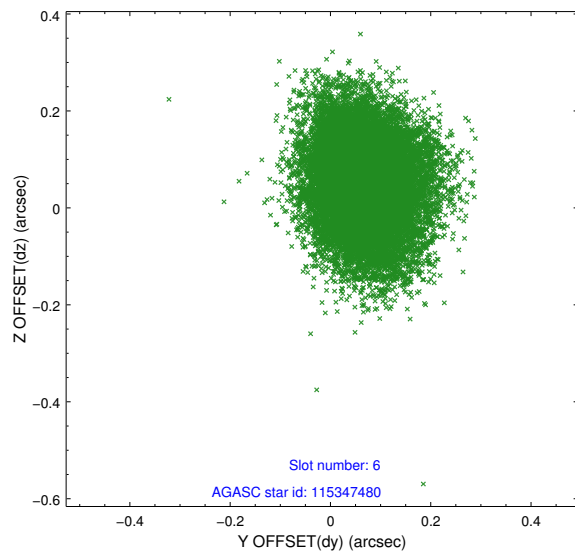
2.4.2 Slot 4



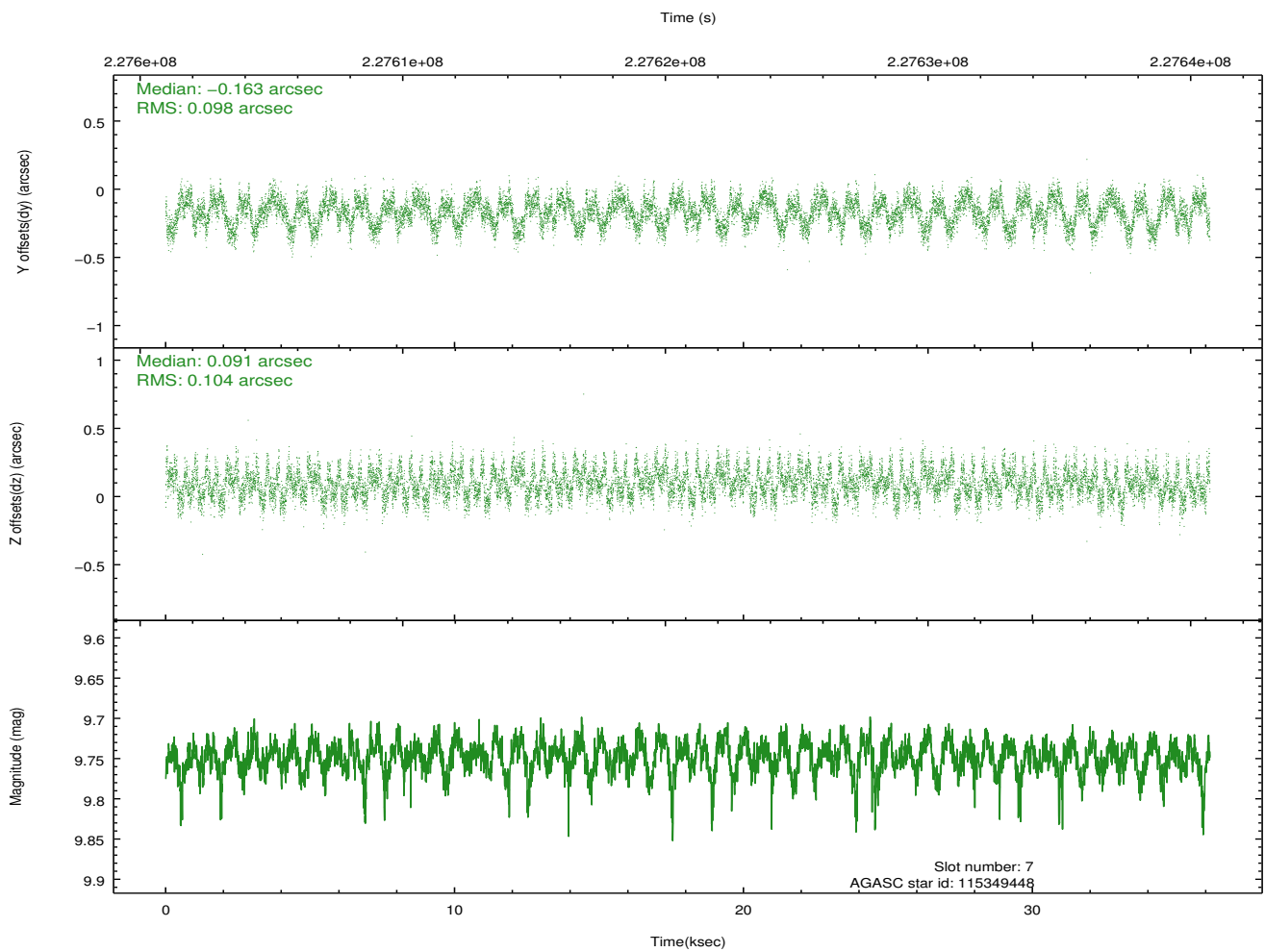
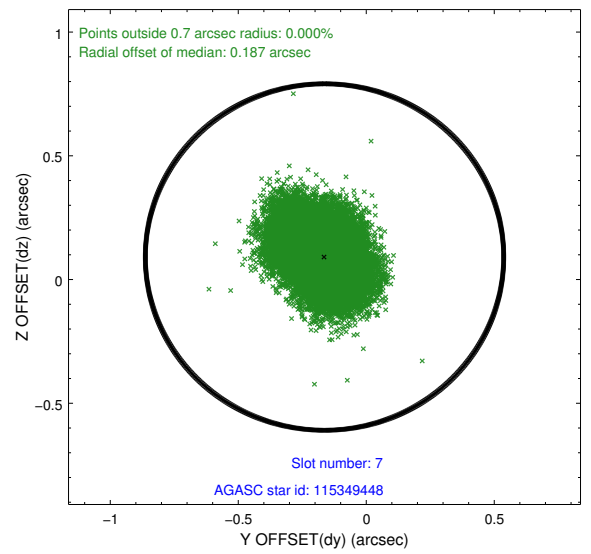
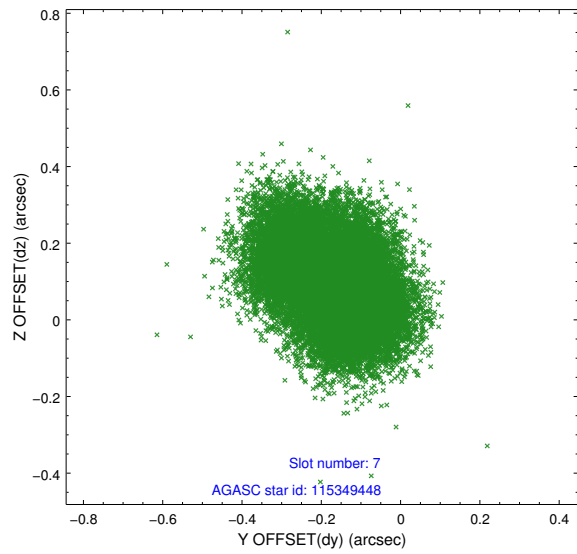
2.4.3 Slot 5



2.4.4 Slot 6

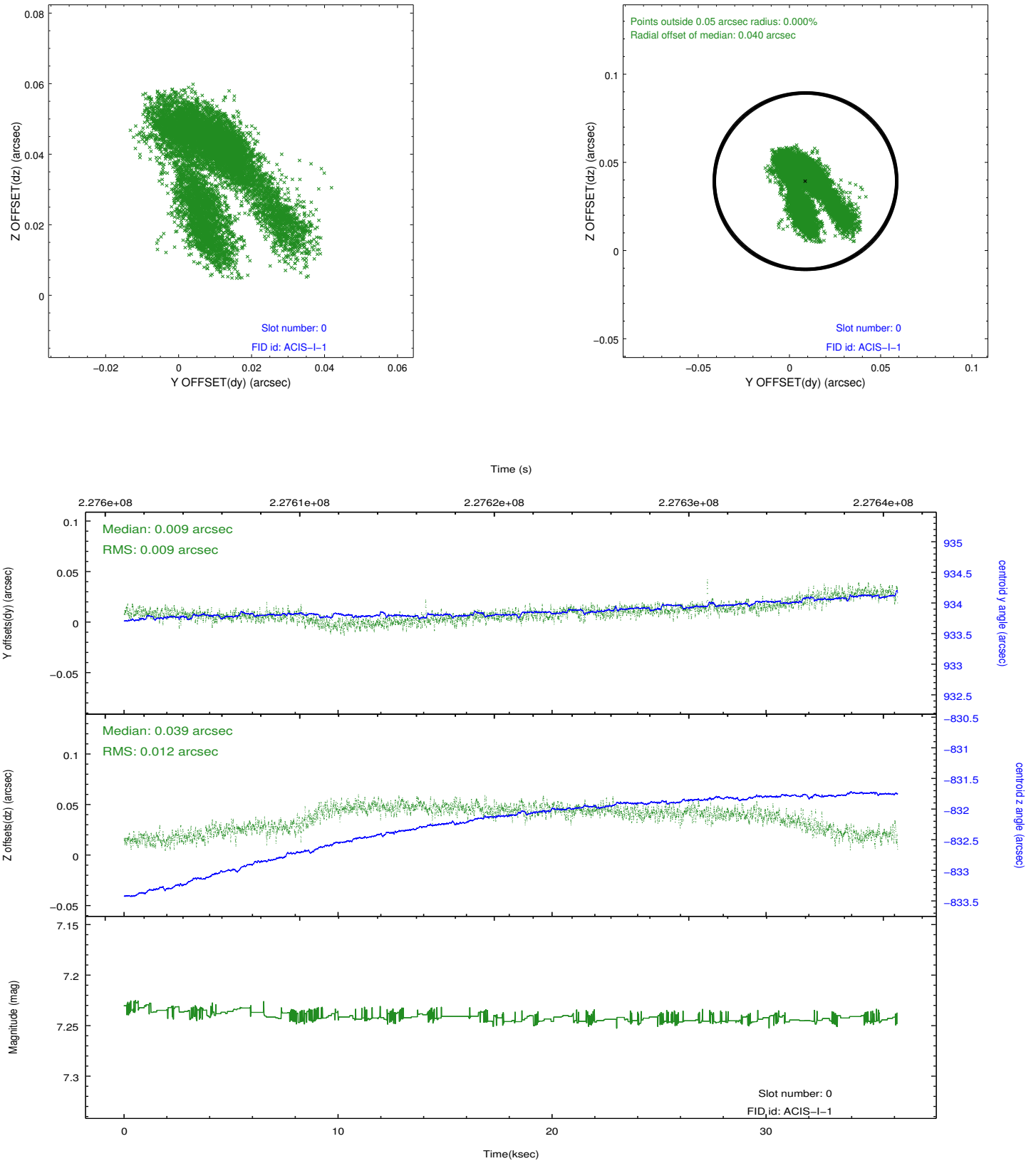


2.4.5 Slot 7

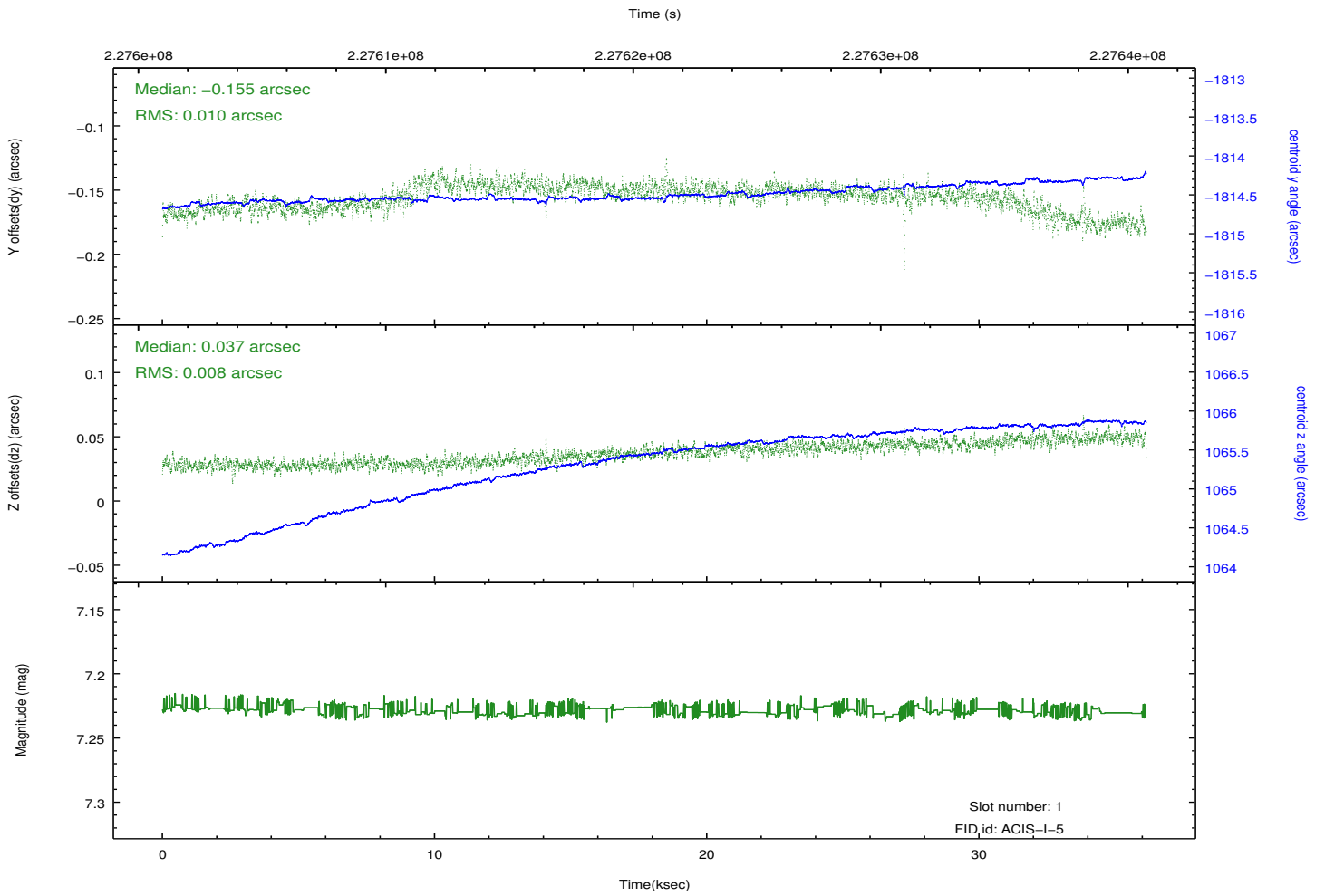
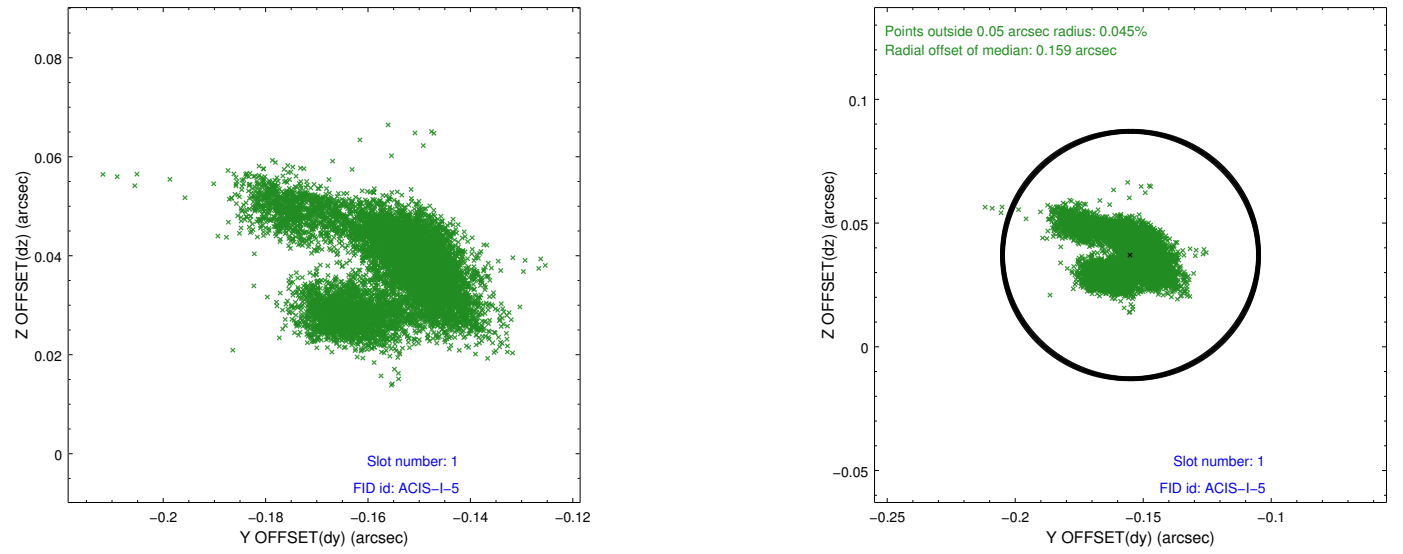


2.5 FID Slots

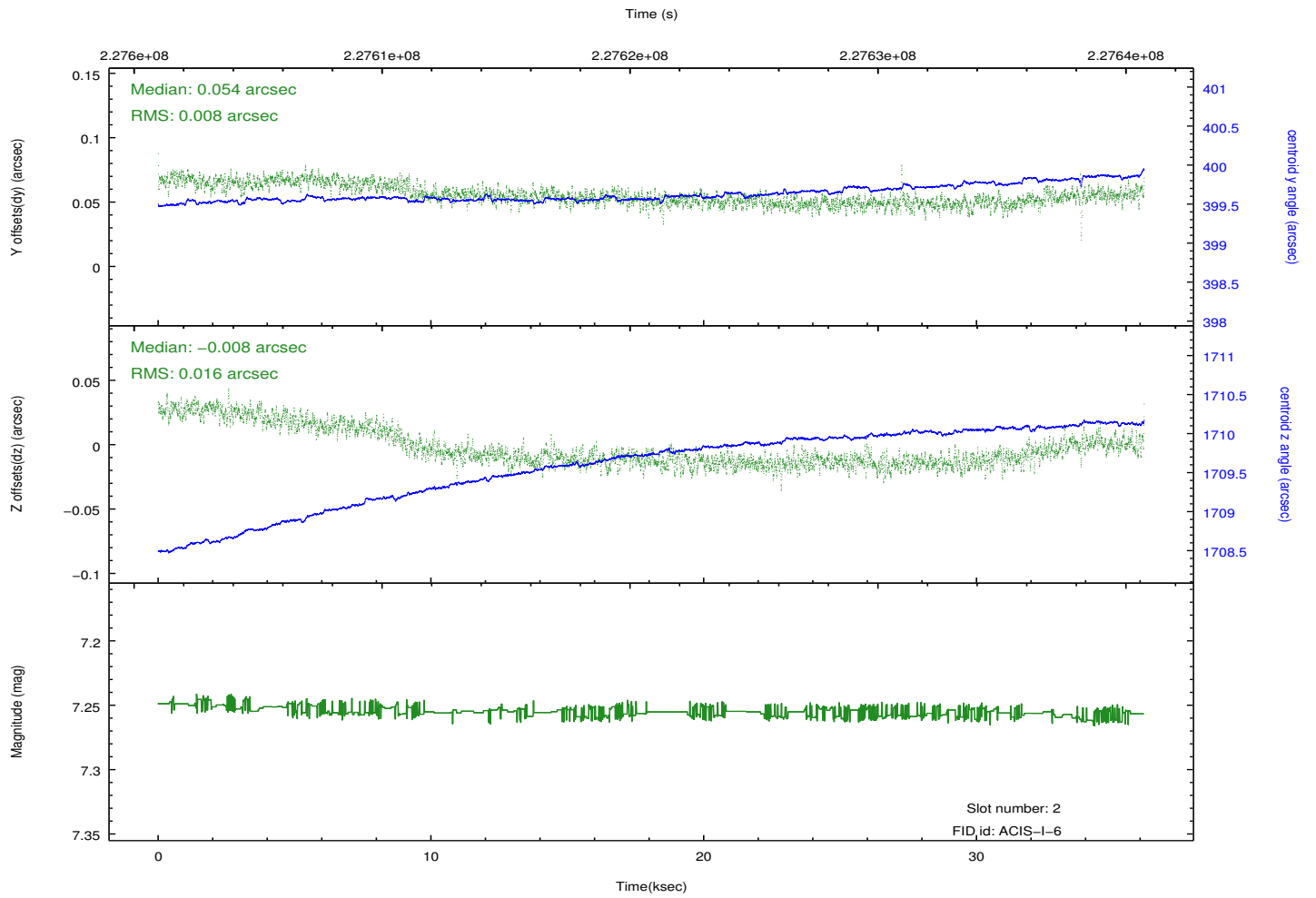
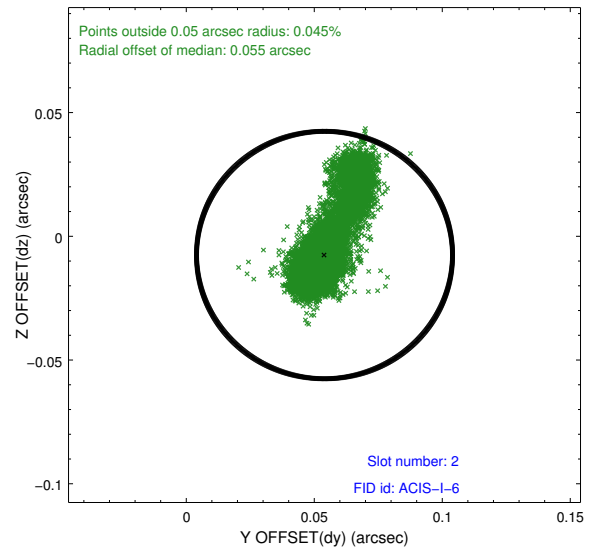
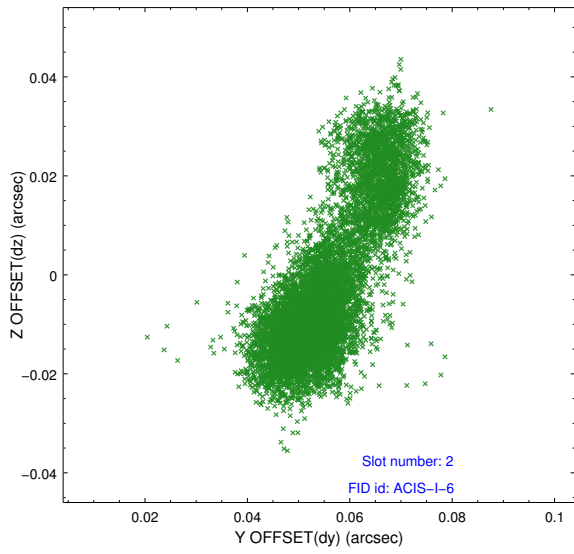
2.5.1 Slot 0



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)	2013.01.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.13759

A.2 Comments

Joint Proposal: XMM