

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5912 - L2 Version 3
Chandra X-Ray Center

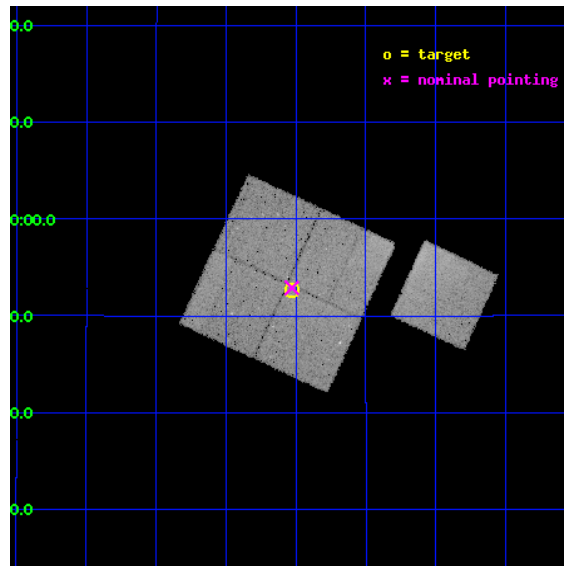
L2 Processing Date : Dec 18 2012

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1 Front

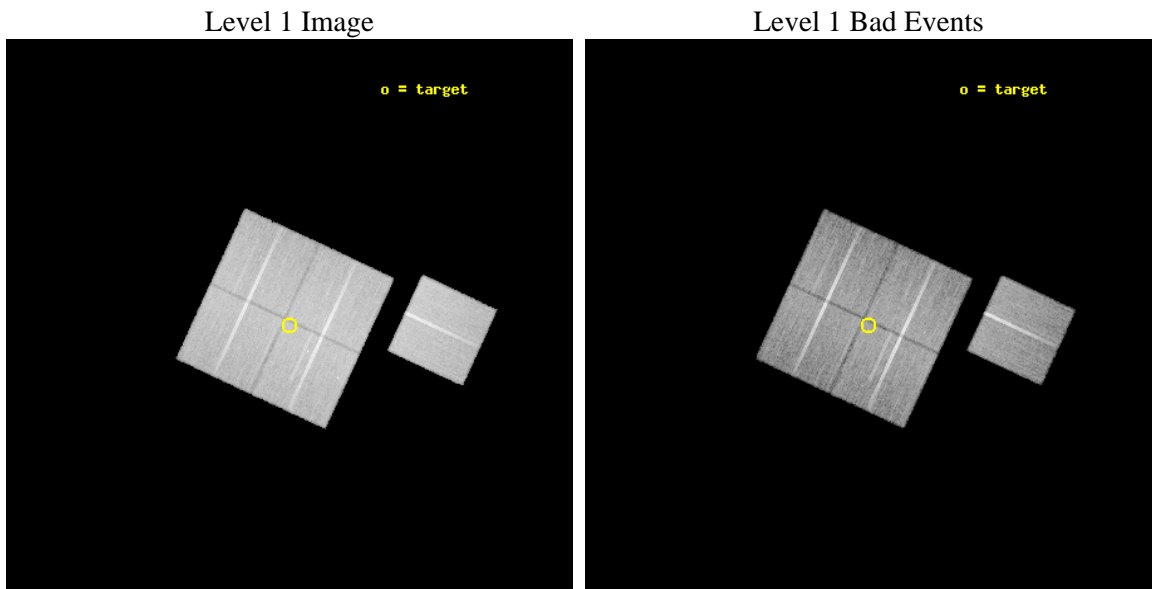
seq_num	600431	Sequence number
obs_id	5912	Observation id
title	Understanding the Process of Ram Pressure Stripping in M86	Proposa
observer	Dr. Christine Jones	Principal investigator
object	M86	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.7575	Observer's specified target RA [deg]
dec_targ	12.876944	Observer's specified target Dec [deg]
ra_nom	186.75732690224	Nominal RA [deg]
dec_nom	12.881587657927	Nominal Dec [deg]
roll_nom	114.90853515058	Nominal Roll [deg]
revision	3	Processing version of data
ontime	33061.490178019	Sum of GTIs [s]
livetime	32642.845682145	Livetime [s]
ontime0	33064.608068168	Sum of GTIs [s]
ontime1	33064.649108171	Sum of GTIs [s]
ontime2	33064.690148175	Sum of GTIs [s]
ontime3	33061.490178019	Sum of GTIs [s]
ontime6	33064.567028165	Sum of GTIs [s]
l2events	137694	Number of level 2 events



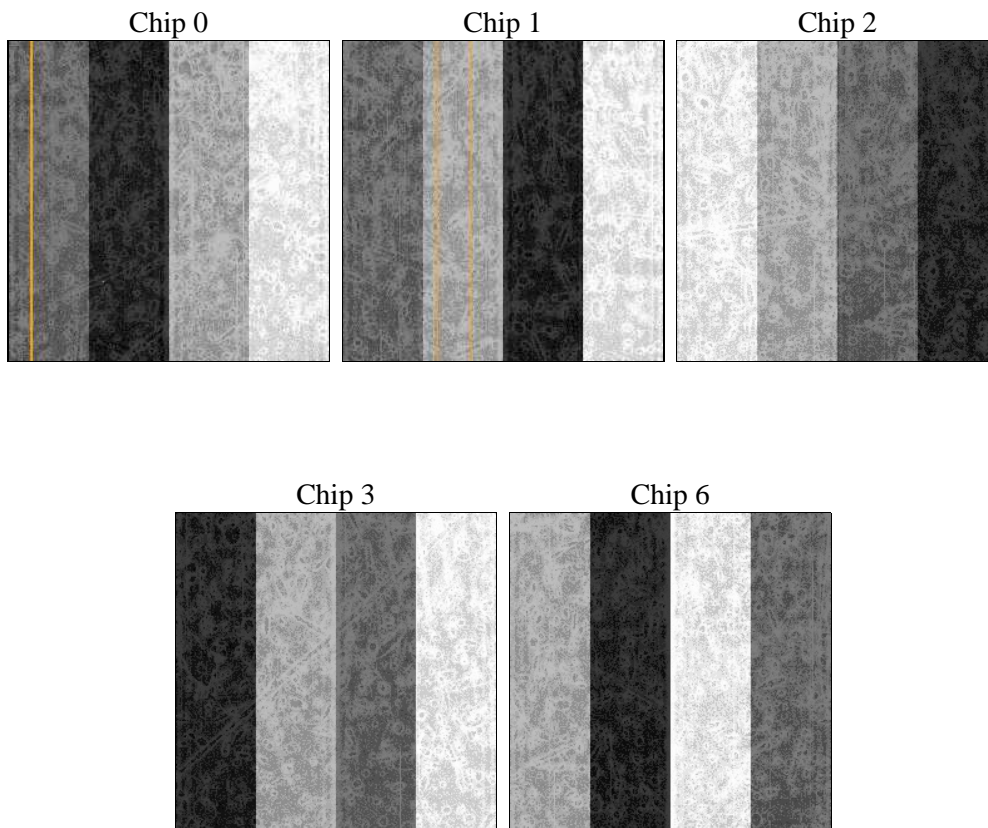
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	33000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	33061.490178019	Sum of GTIs [s]
caldbver	4.5.5	 	ontime0	33064.608068168	Sum of GTIs [s]
date	2012-12-18T08:27:40	Date and time of file creation	ontime1	33064.649108171	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	33064.690148175	Sum of GTIs [s]
			ontime3	33061.490178019	Sum of GTIs [s]
			ontime6	33064.567028165	Sum of GTIs [s]
			l1events	1039750	Number of level 1 events

2.1.4 Events

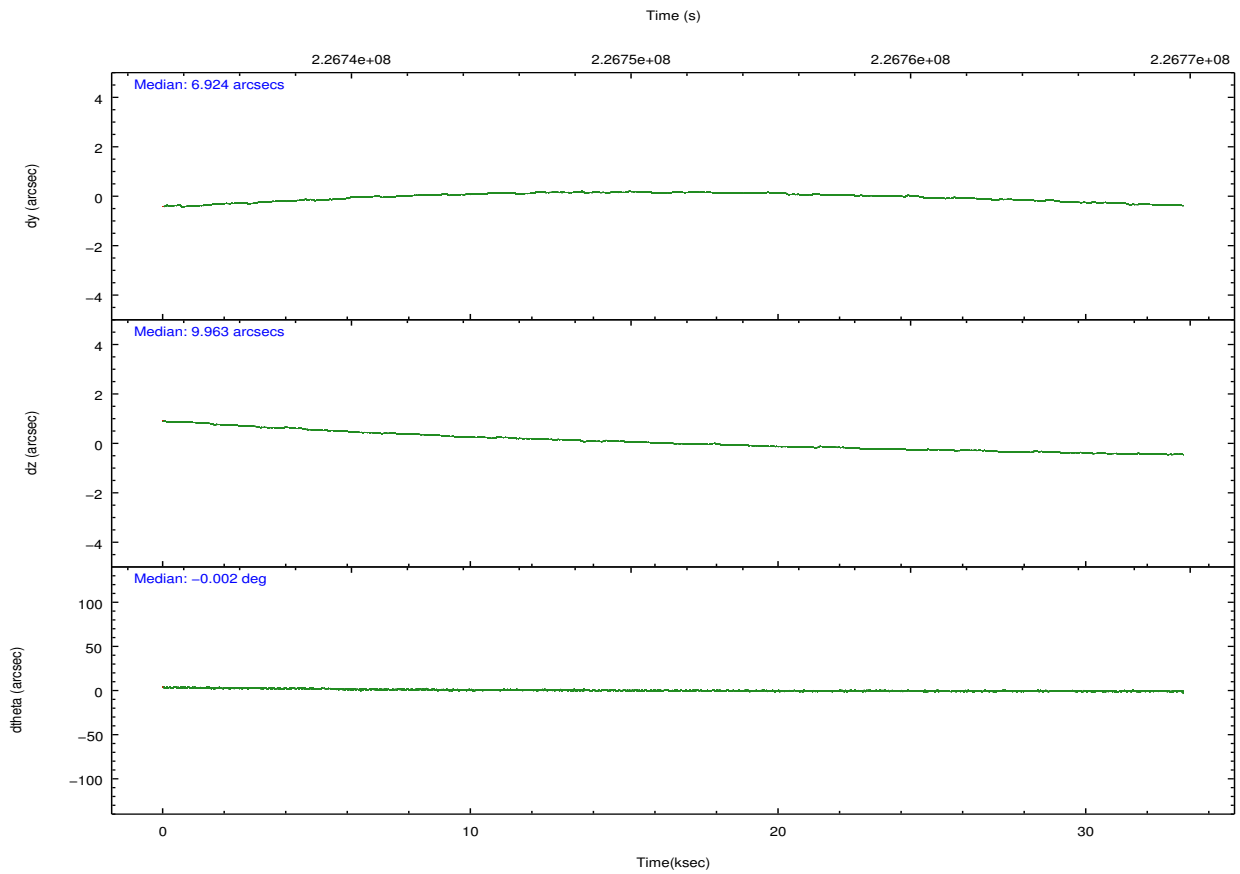
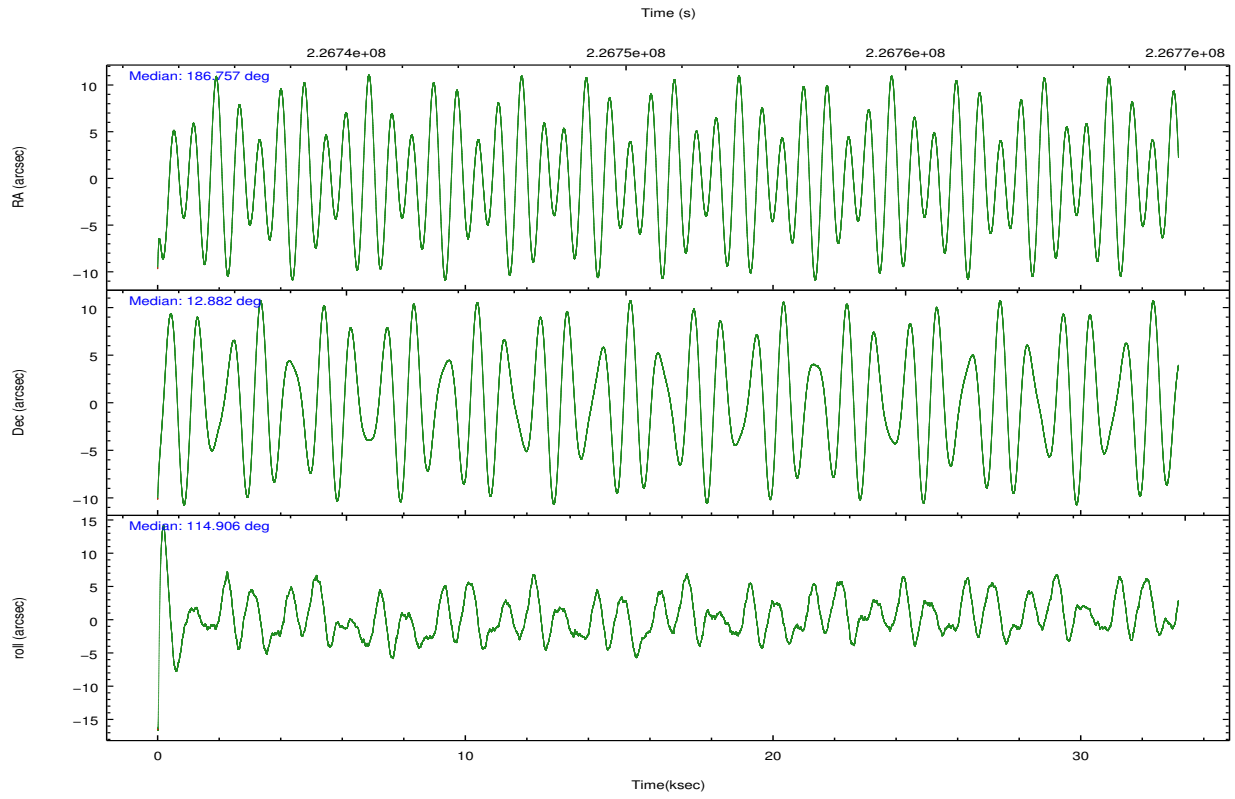
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	193242	194736	224911	211533	215328
rejected events	164725	165795	188938	183742	178545
rejected %	85%	85%	84%	86%	82%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	14053	13859	21278	14133	21246
	7%	7%	9%	6%	9%
grade 1 events	128	107	185	130	129
	0%	0%	0%	0%	0%
grade 2 events	5438	5406	5946	4919	5695
	2%	2%	2%	2%	2%
grade 3 events	2555	2578	2441	2475	2729
	1%	1%	1%	1%	1%
grade 4 events	2415	2594	2594	2405	2620
	1%	1%	1%	1%	1%
grade 5 events	7383	7813	6860	8243	8044
	3%	4%	3%	3%	3%
grade 6 events	4056	4505	3716	3862	4497
	2%	2%	1%	1%	2%
grade 7 events	157214	157874	181891	175366	170368
	81%	81%	80%	82%	79%

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	186.780384	186.7573269022446	Subarray requested	NONE	NONE
[deg] Pointing Dec	12.865932	12.88158765792729	Alternating exposures requested	N	N
[deg] Pointing Roll	114.694725	114.9085351505811	[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)	226735089.184000	226734143.14956			
Observation start date	2005-03-09T05:57:05	2005-03-09T05:42:23			
[s] Observation end time (MET)	226768089.184000	226769508.21366			
Observation end date	2005-03-09T15:07:05	2005-03-09T15:31:48			
Read mode	TIMED	TIMED			

2.3 Aspect

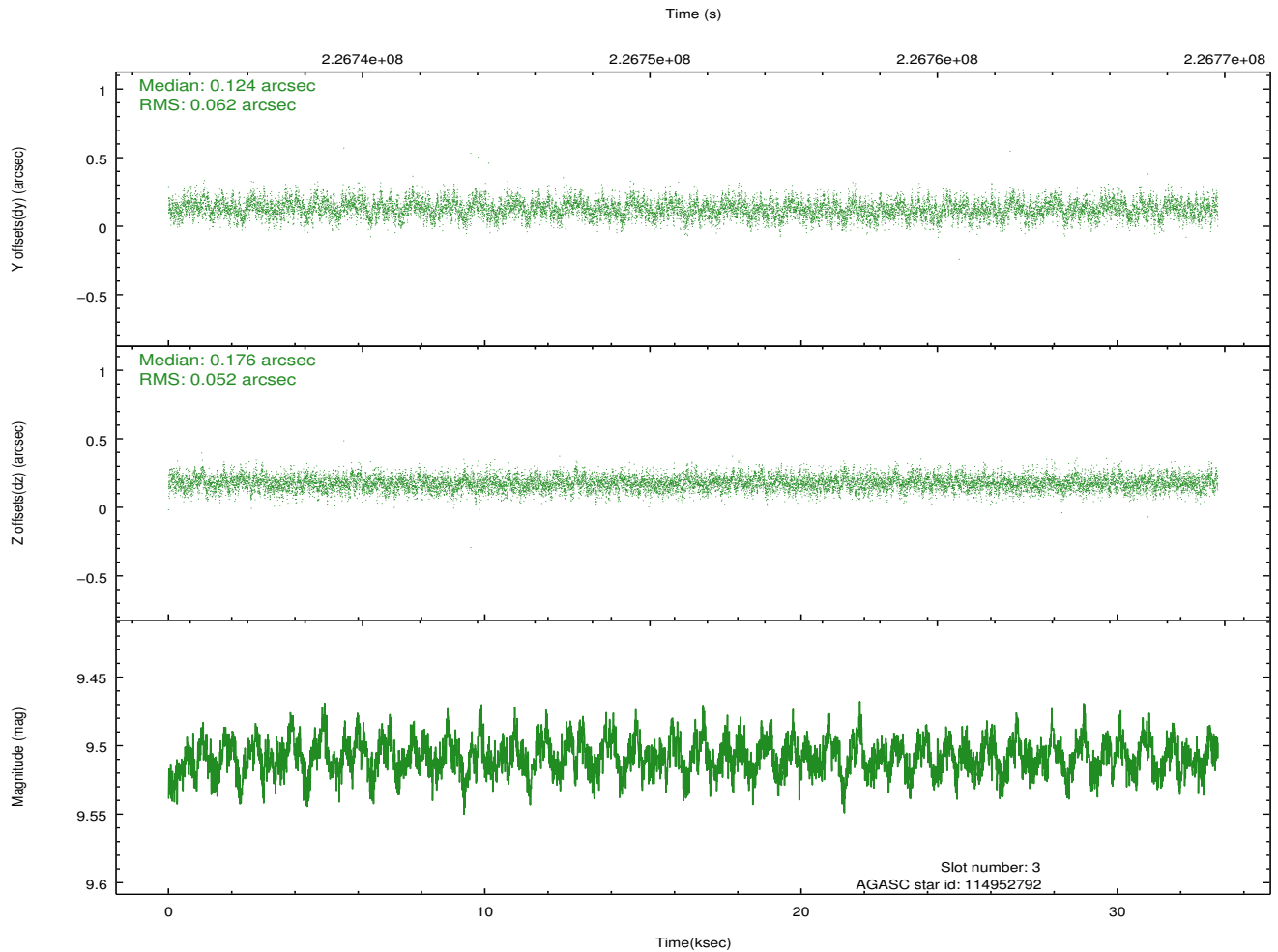
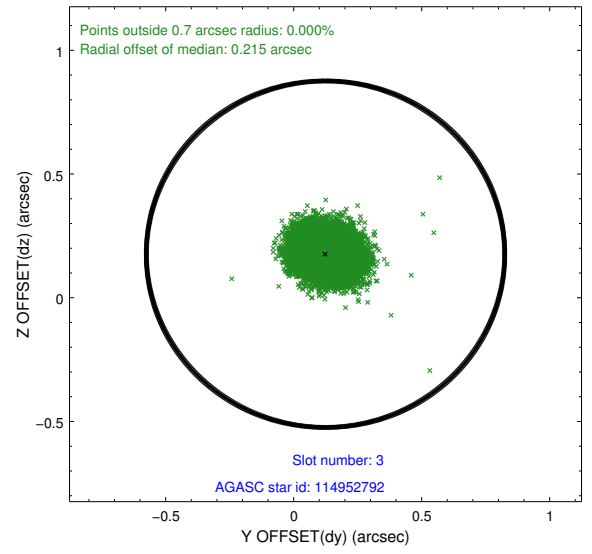
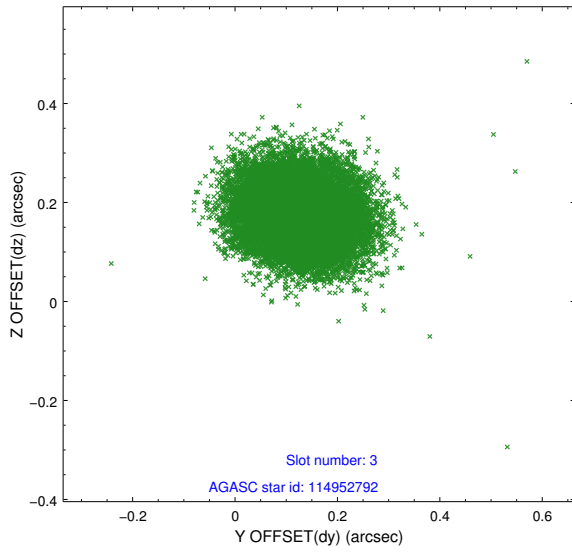


Slot Statistics

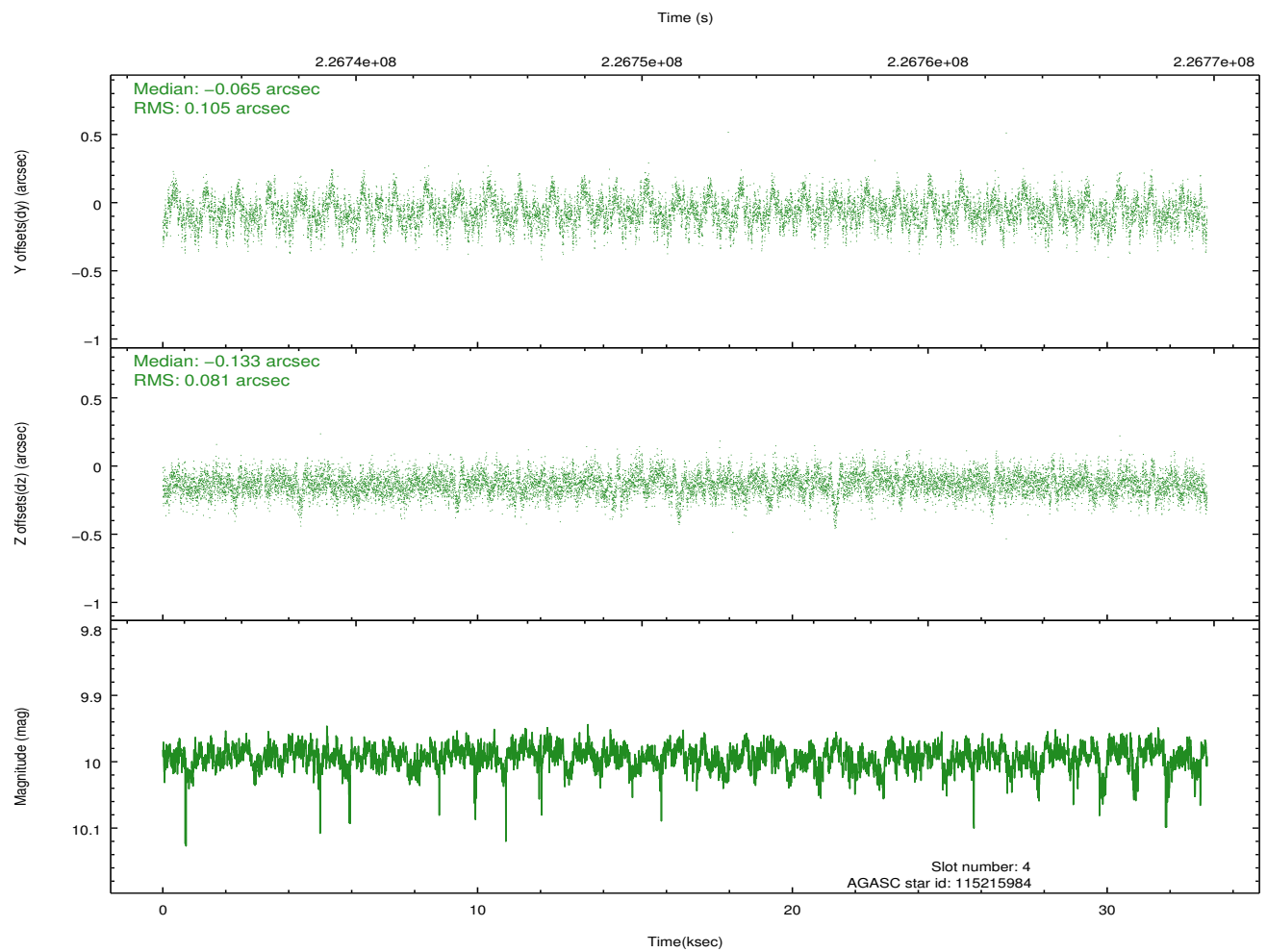
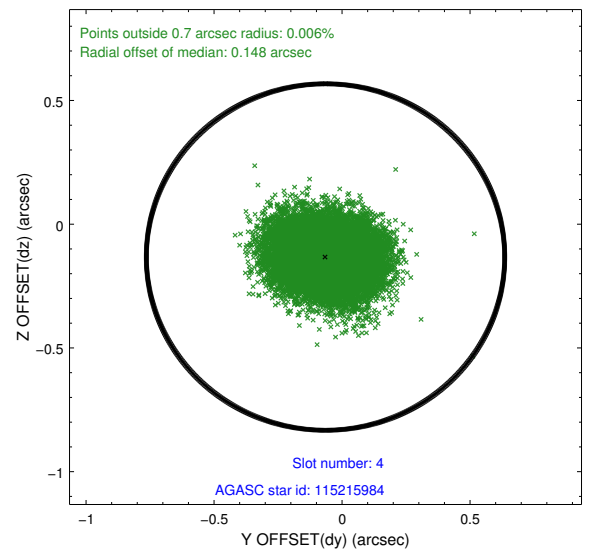
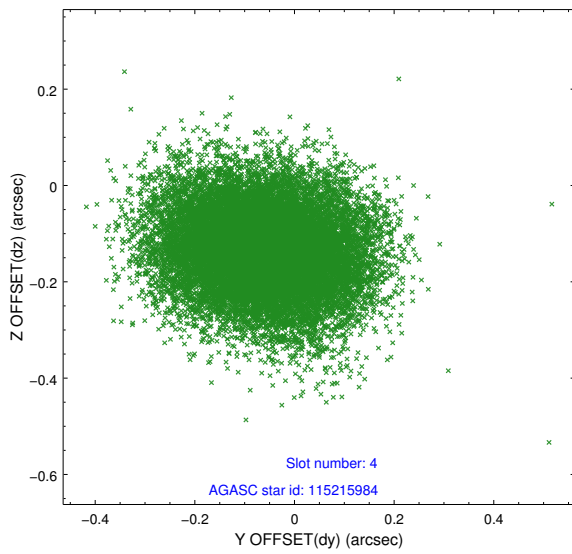
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	8091	0.009	0.008	0.017	0.029	0.000000	0.000000	932.82	-833.50
1	FID	ACIS-I-5	7.23	8092	-0.162	0.028	0.009	0.015	0.000000	0.000000	-1815.43	1063.99
2	FID	ACIS-I-6	7.26	8092	0.063	0.034	0.014	0.023	0.000000	0.000000	398.36	1708.55
3	GUIDE	114952792	9.51	16170	0.124	0.176	0.086	0.139	187.070263	12.344747	-2129.74	-141.89
4	GUIDE	115215984	9.99	16102	-0.065	-0.133	0.141	0.229	186.134733	12.875031	978.92	2043.98
5	GUIDE	115347480	9.36	16171	-0.065	0.101	0.085	0.138	186.668576	13.310410	1617.77	-312.21
6	GUIDE	115348424	9.51	16170	-0.011	-0.037	0.090	0.148	187.199498	13.087929	113.51	-1669.47
7	GUIDE	114954440	9.17	16171	0.012	-0.104	0.090	0.146	186.915066	12.219118	-2313.55	541.64

2.4 Star Slots

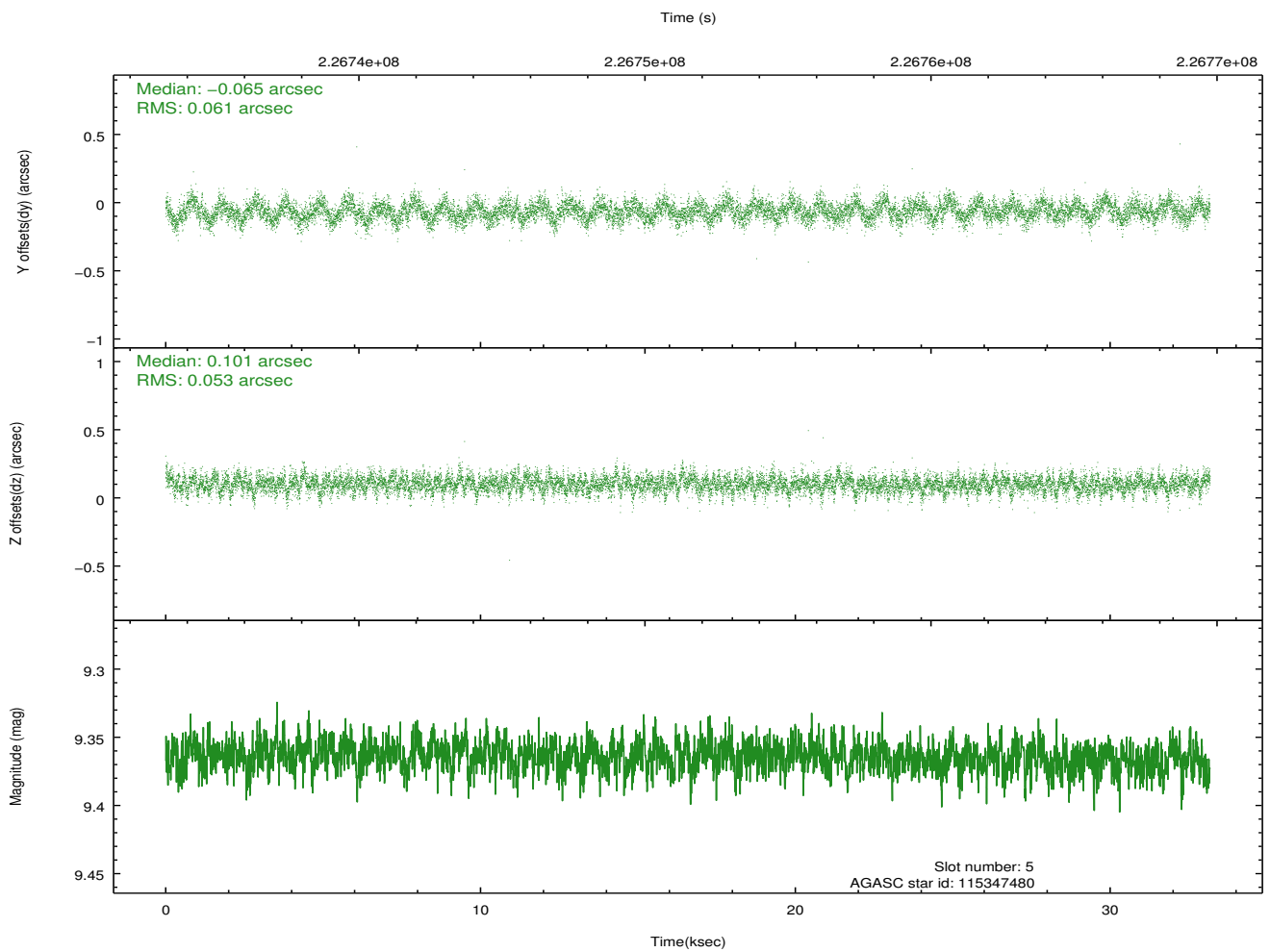
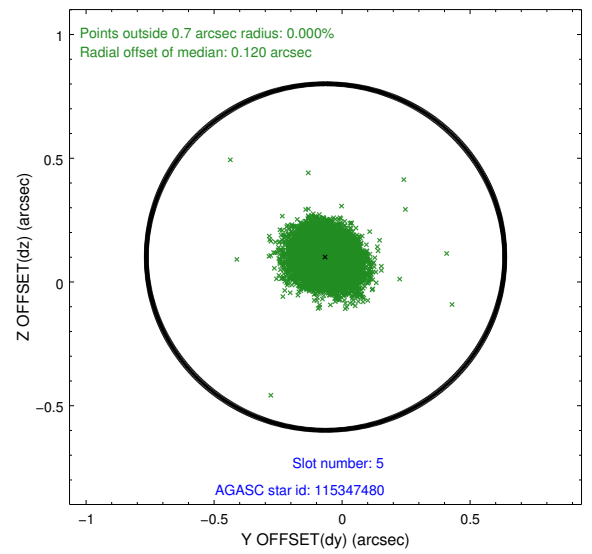
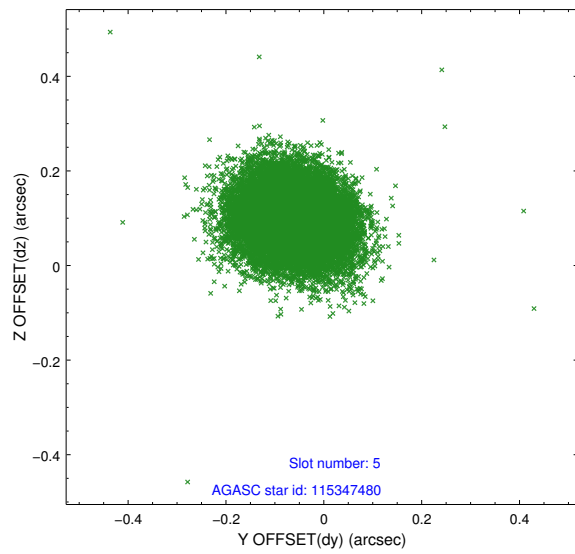
2.4.1 Slot 3



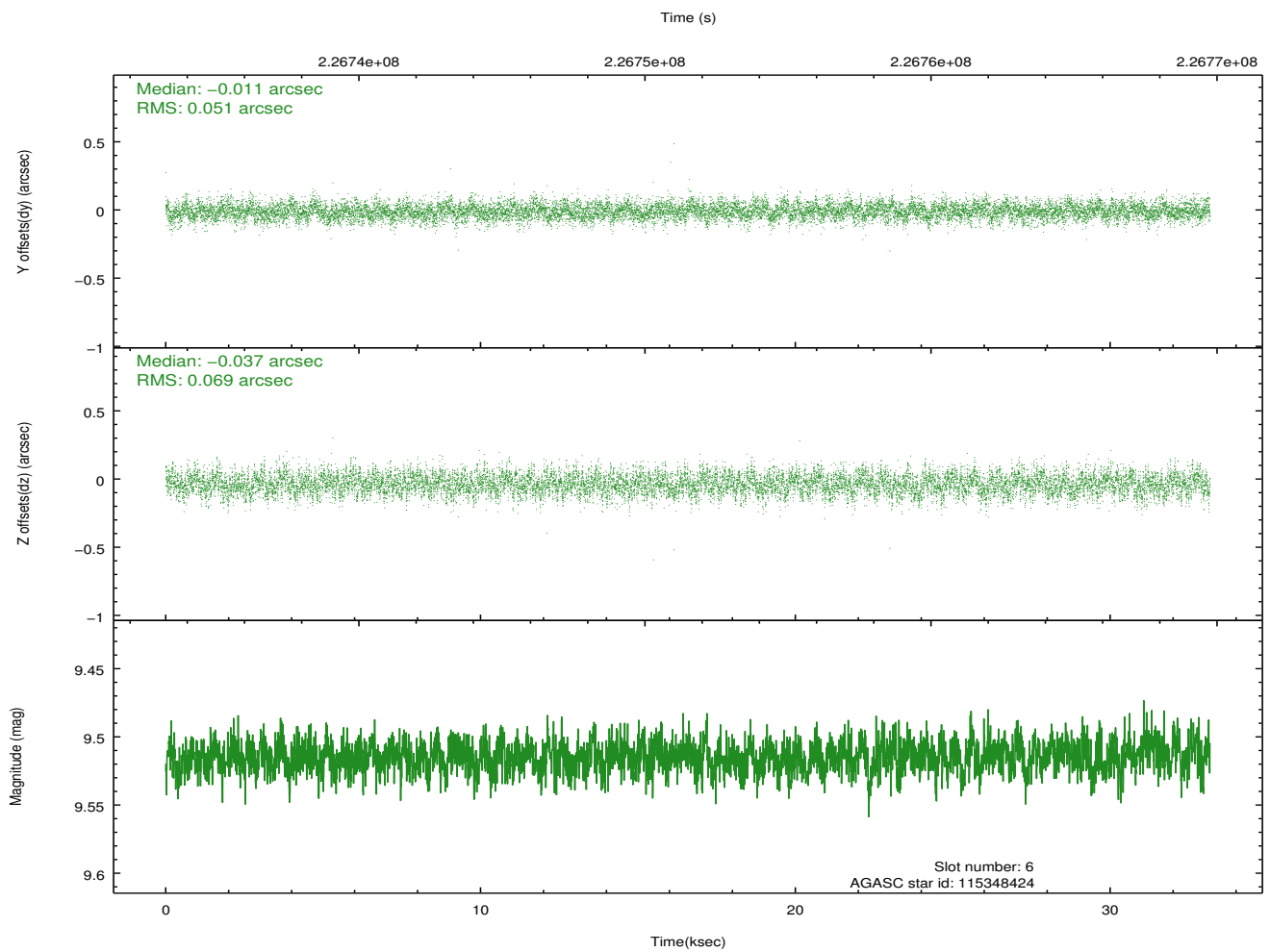
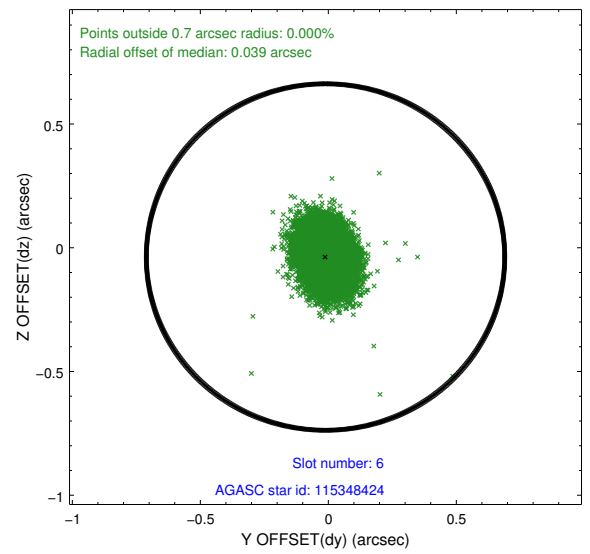
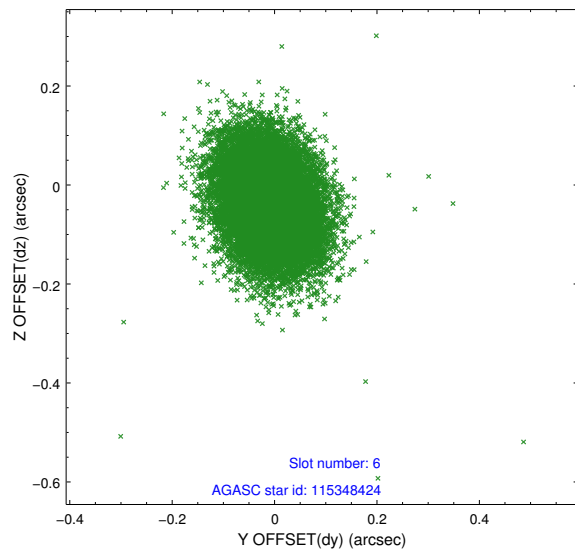
2.4.2 Slot 4



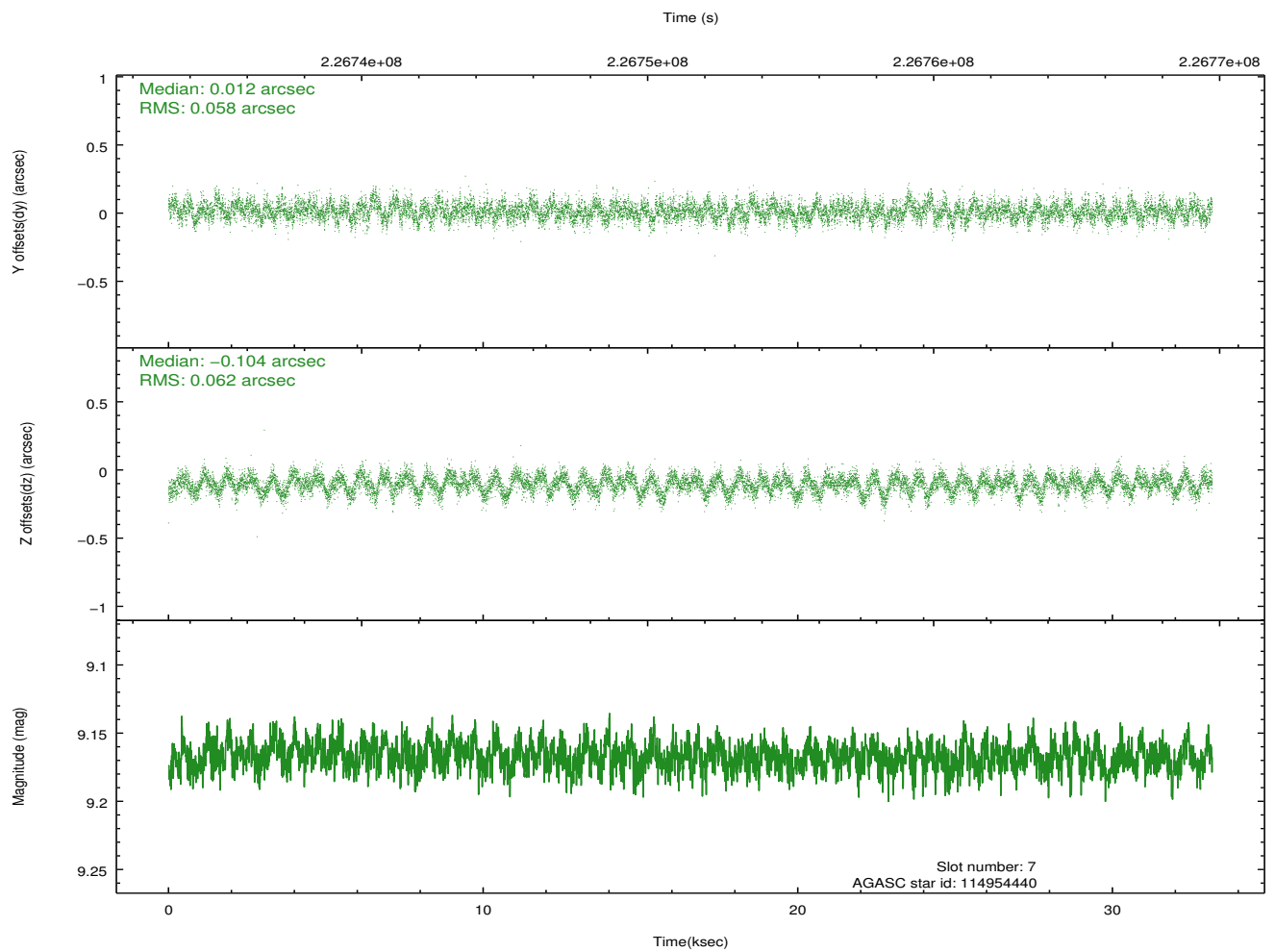
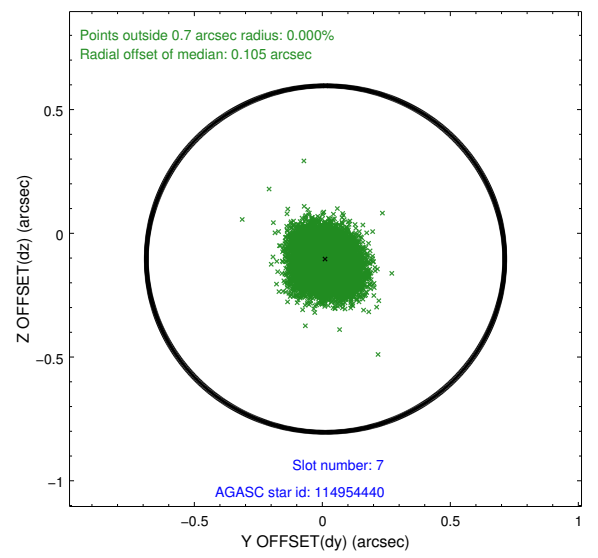
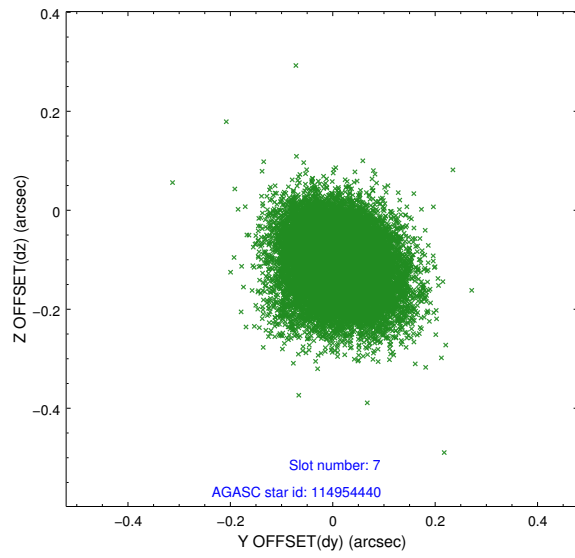
2.4.3 Slot 5



2.4.4 Slot 6

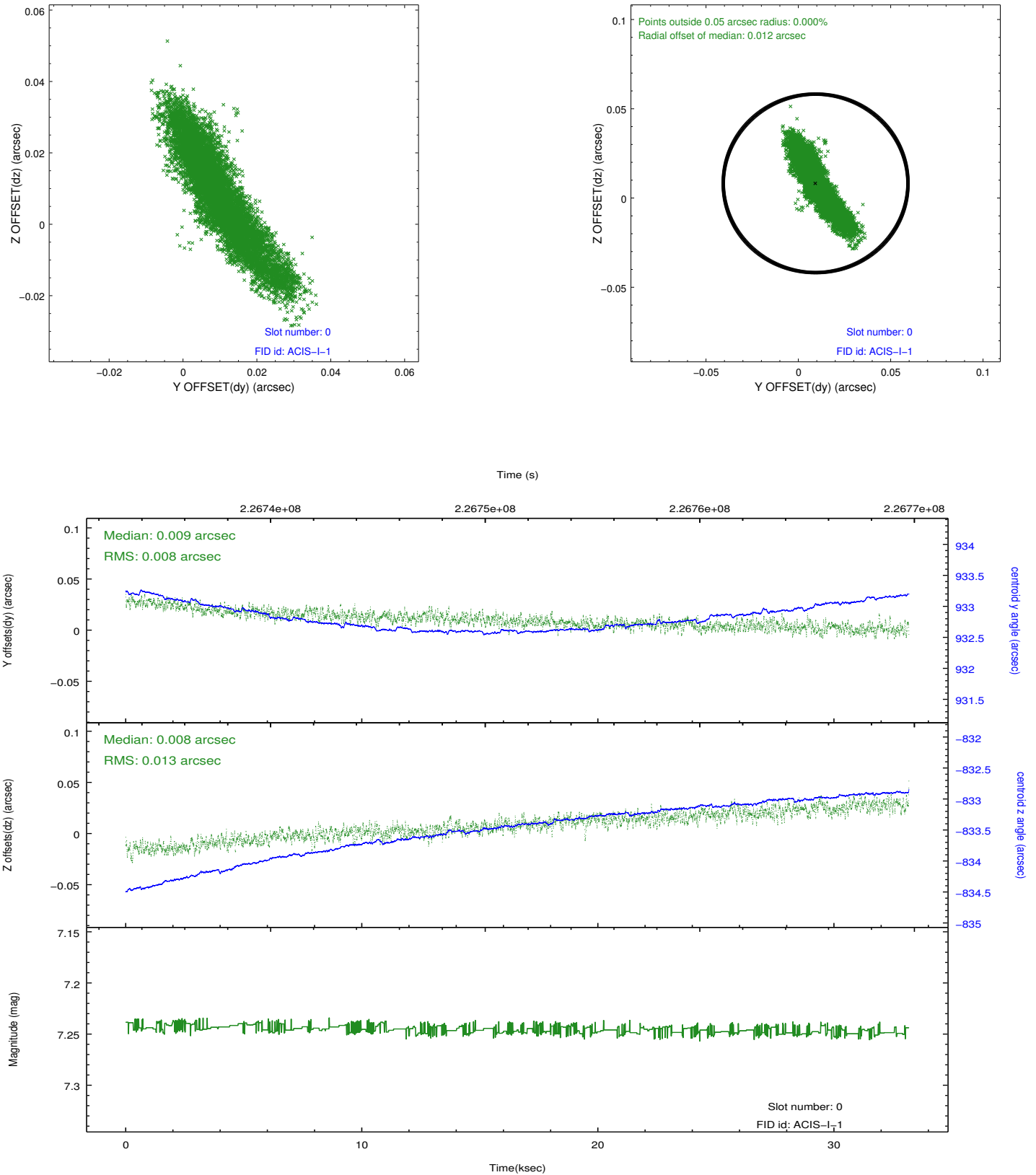


2.4.5 Slot 7

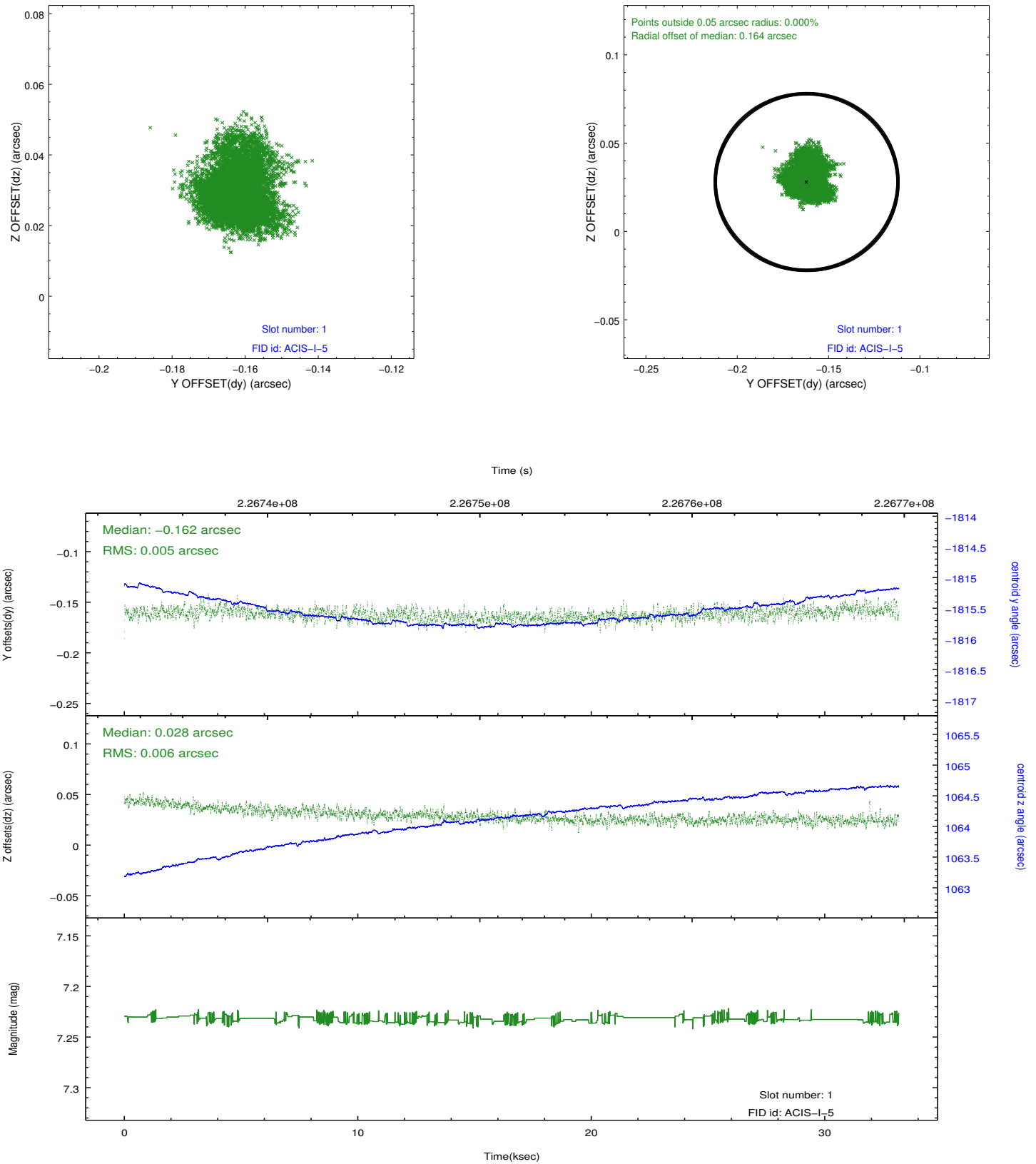


2.5 FID Slots

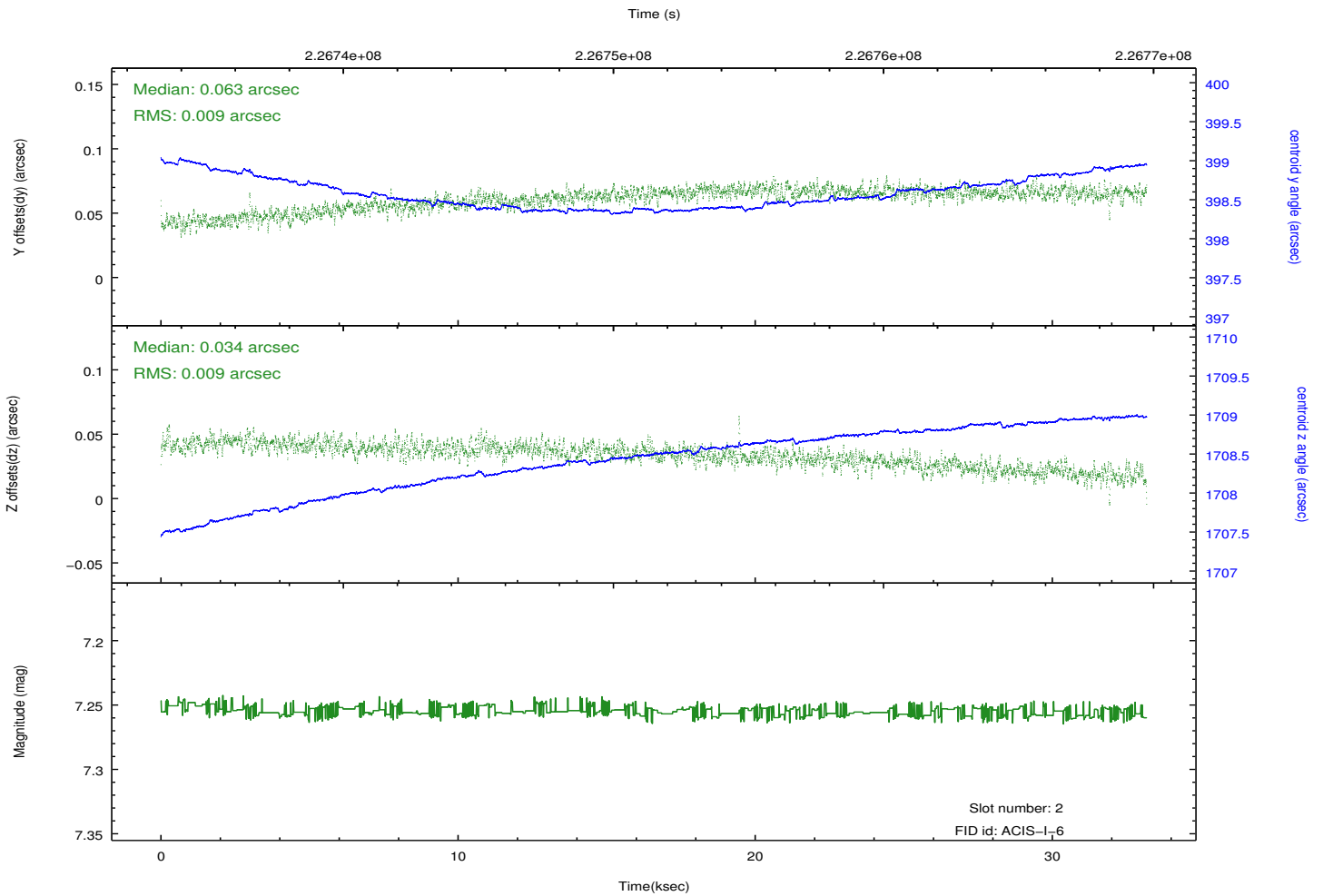
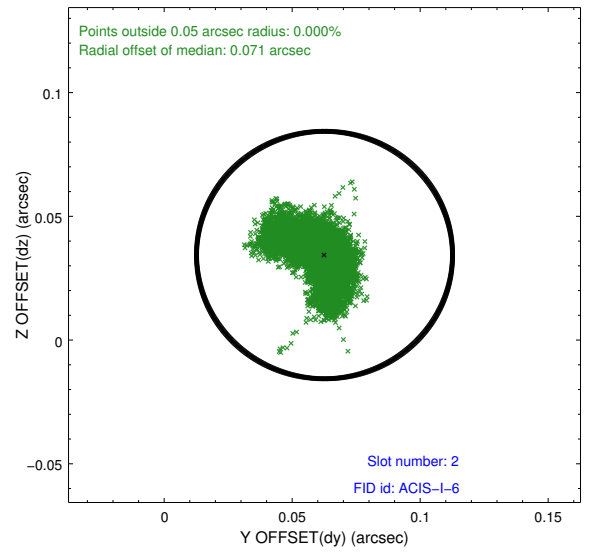
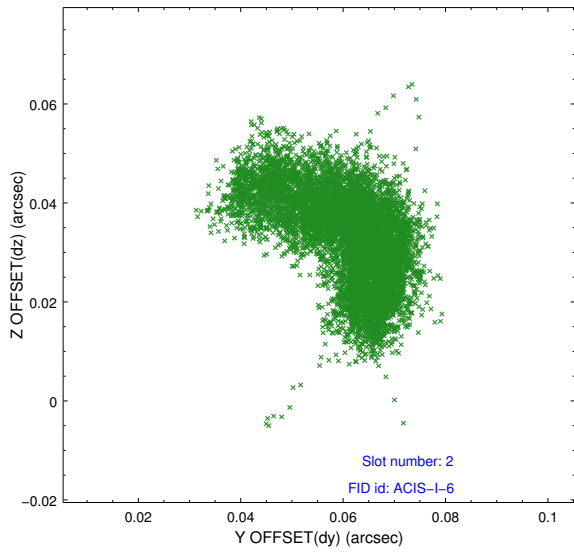
2.5.1 Slot 0



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)	2013.01.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	33.06235

A.2 Comments

Joint Proposal: XMM