

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 4988 - L2 Version 4
Chandra X-Ray Center

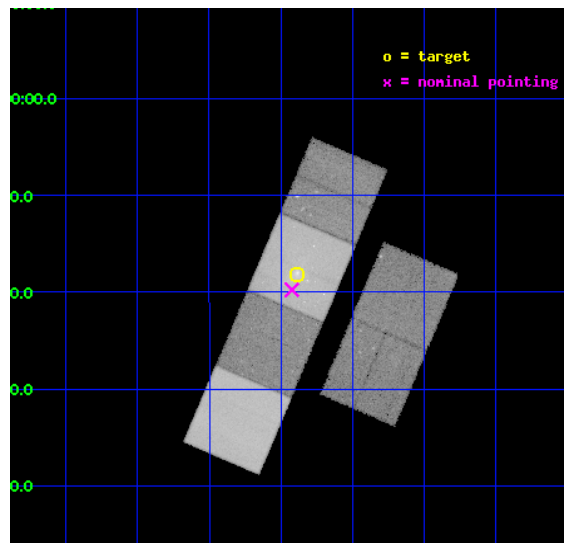
L2 Processing Date : Dec 16 2012

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1 Front

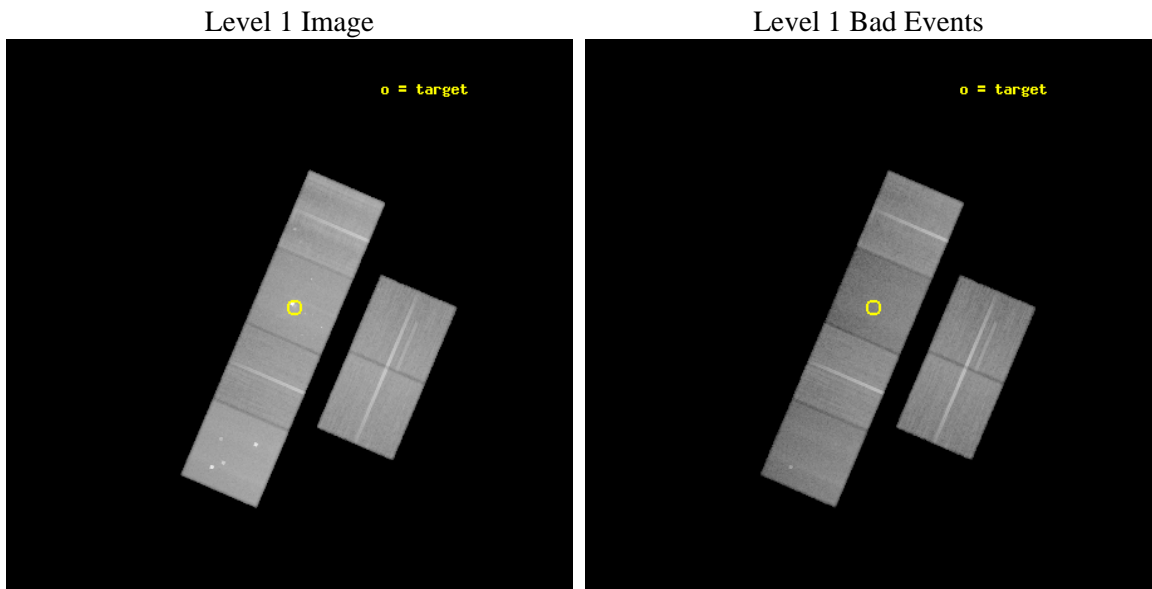
seq_num	800431	Sequence number
obs_id	4988	Observation id
title	X-Ray Bright Hickson Compact Groups: the Origin and Distribution of Metallicity and the Regulation of Cooling Flows	Proposal title
observer	Dr. Jan Vrtilik	Principal investigator
object	HCG 97	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	356.845833	Observer's specified target RA [deg]
dec_targ	-2.301944	Observer's specified target Dec [deg]
ra_nom	356.85562343427	Nominal RA [deg]
dec_nom	-2.3293301879601	Nominal Dec [deg]
roll_nom	293.10873647852	Nominal Roll [deg]
revision	4	Processing version of data
ontime	58134.399783432	Sum of GTIs [s]
livetime	57398.267009042	Livetime [s]
ontime2	58131.158823162	Sum of GTIs [s]
ontime3	58127.917842865	Sum of GTIs [s]
ontime5	58134.399783432	Sum of GTIs [s]
ontime6	58131.158942729	Sum of GTIs [s]
ontime7	58134.399783432	Sum of GTIs [s]
ontime8	58121.435962081	Sum of GTIs [s]
l2events	605827	Number of level 2 events



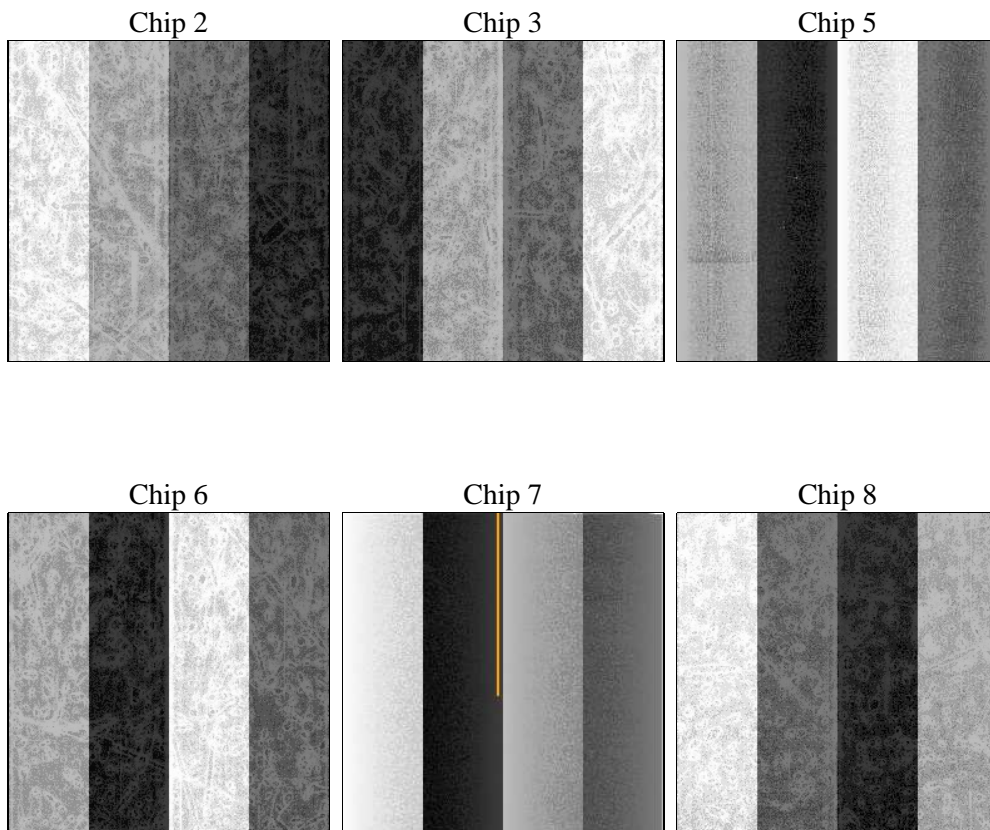
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	58000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	58134.399783432	Sum of GTIs [s]
caldbver	4.5.5	 	ontime2	58131.158823162	Sum of GTIs [s]
date	2012-12-16T02:34:41	Date and time of file creation	ontime3	58127.917842865	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	58134.399783432	Sum of GTIs [s]
			ontime6	58131.158942729	Sum of GTIs [s]
			ontime7	58134.399783432	Sum of GTIs [s]
			ontime8	58121.435962081	Sum of GTIs [s]
			l1events	2585825	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	400943	362903	511453	383915	446356	480255	grade 0 events	16294	15448	38267	19496	42973	40536
rejected events	358421	322763	244950	335750	213687	353781		4%	4%	7%	5%	9%	8%
rejected %	89%	88%	47%	87%	47%	73%	grade 1 events	225	184	1382	196	370	384
								0%	0%	0%	0%	0%	0%
							grade 2 events	9596	8126	76255	9718	45050	27103
								2%	2%	14%	2%	10%	5%
							grade 3 events	4334	4376	12138	4689	20872	13834
								1%	1%	2%	1%	4%	2%
							grade 4 events	4352	4360	11540	4670	20659	12630
								1%	1%	2%	1%	4%	2%
							grade 5 events	12431	13878	39543	14314	42174	20248
								3%	3%	7%	3%	9%	4%
							grade 6 events	8212	8112	130381	9911	104735	33059
								2%	2%	25%	2%	23%	6%
							grade 7 events	345499	308419	201947	320921	169523	332461
								86%	84%	39%	83%	37%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	356.833612	356.8556234342744	Subarray requested	NONE	NONE
[deg] Pointing Dec	-2.313274	-2.329330187960112	Alternating exposures requested	N	N
[deg] Pointing Roll	292.951218	293.1087364785209	[s] Primary exposure time	0.000000	3.2
[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)	222123604.184000	222122320.46599			
Observation start date	2005-01-14T20:59:00	2005-01-14T20:38:40			
[s] Observation end time (MET)	222181604.184000	222182658.63121			
Observation end date	2005-01-15T13:05:40	2005-01-15T13:24:18			
Read mode	TIMED	TIMED			

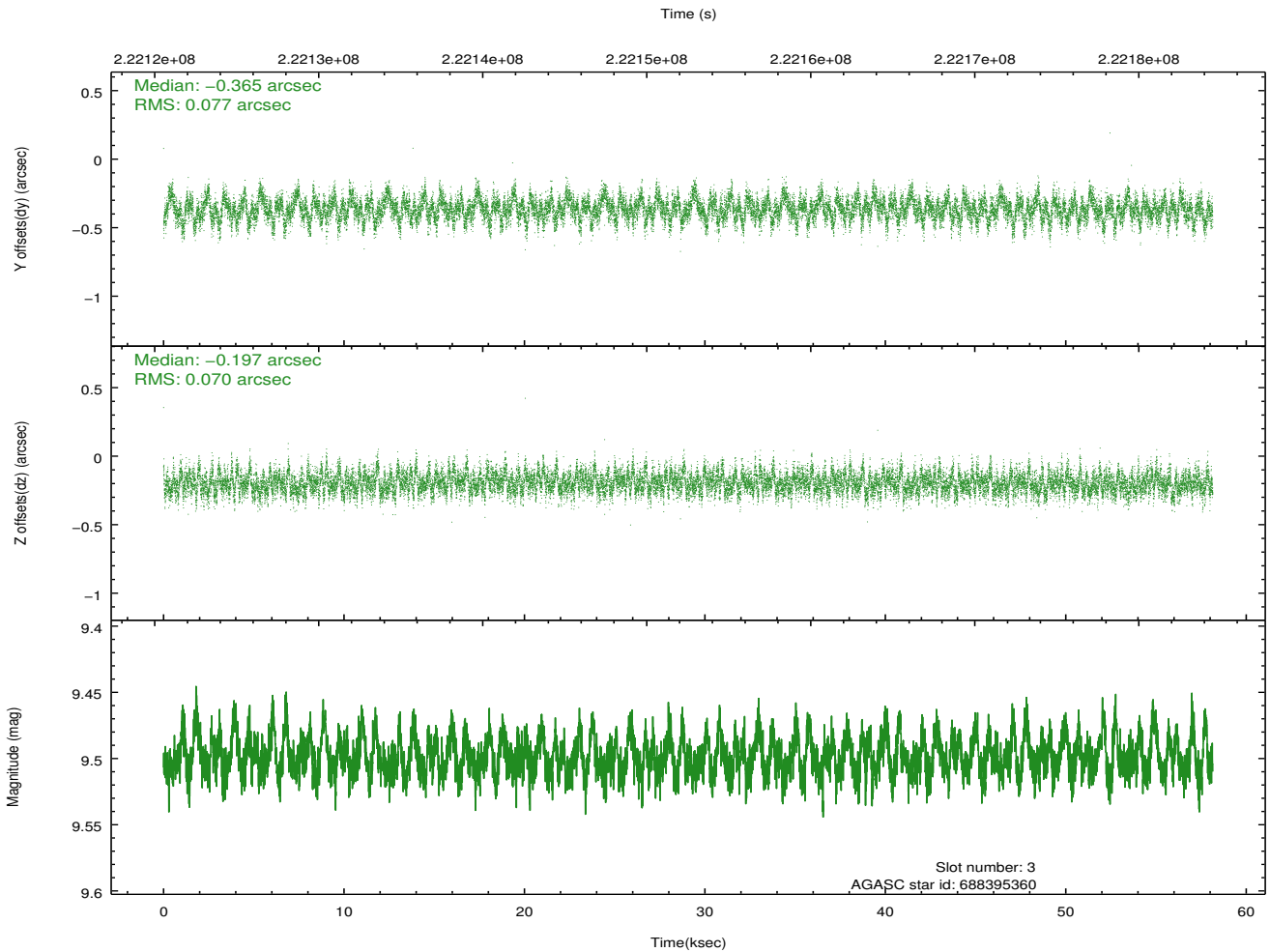
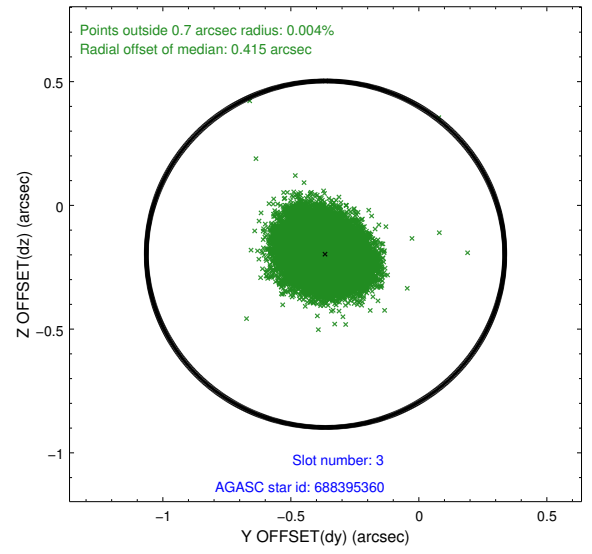
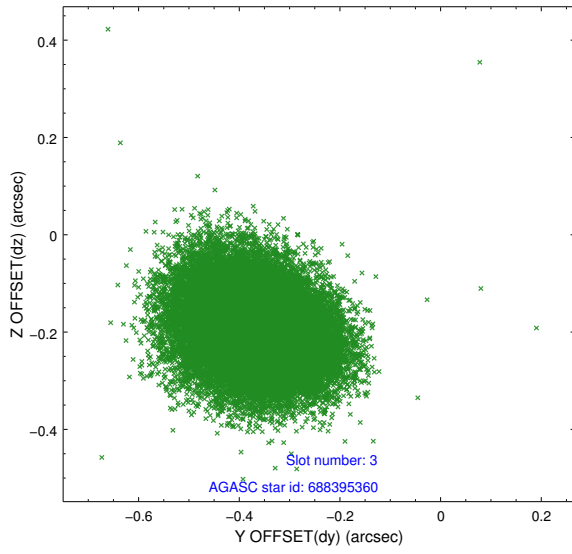
2.3 Aspect

Slot Statistics

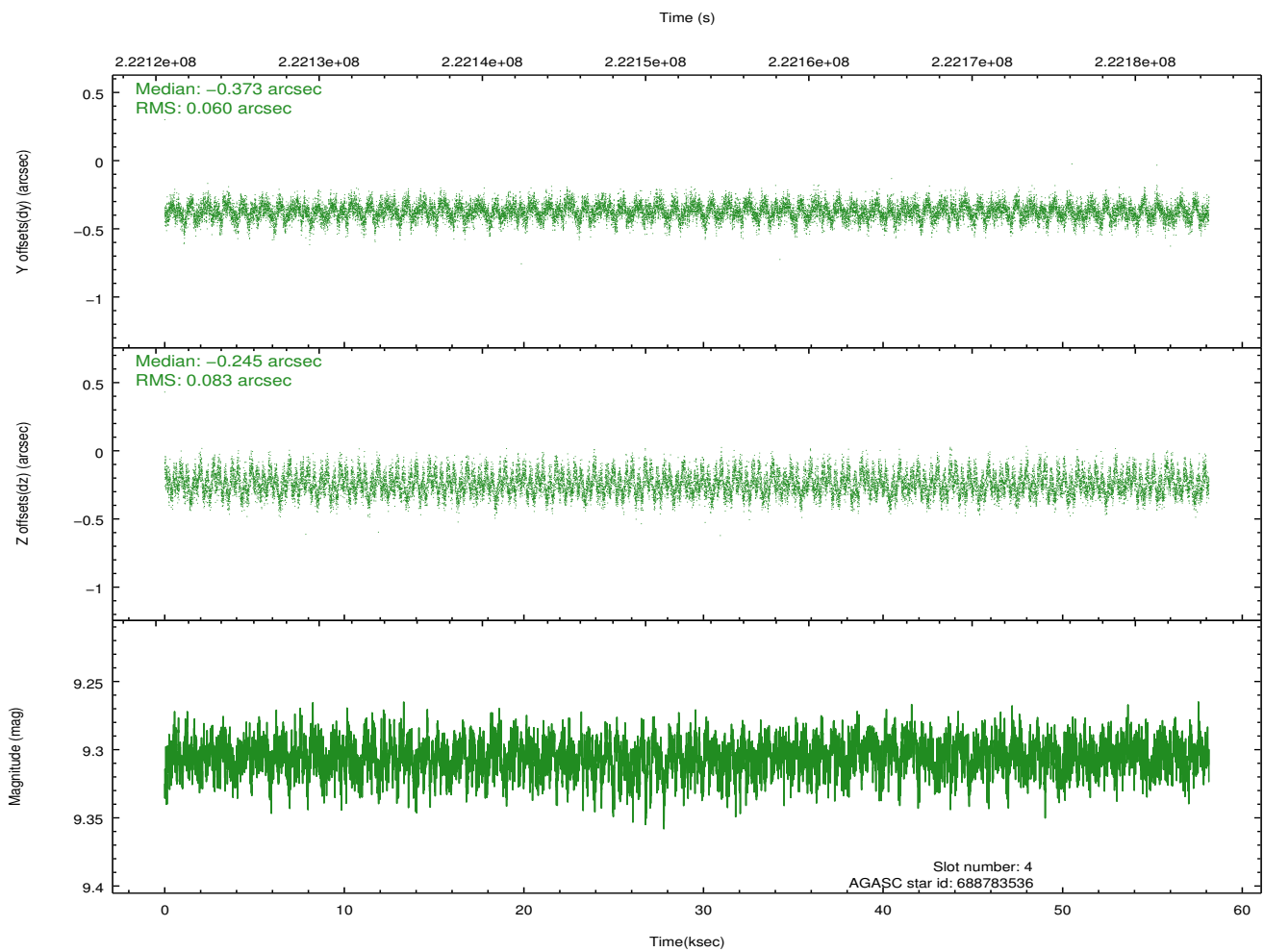
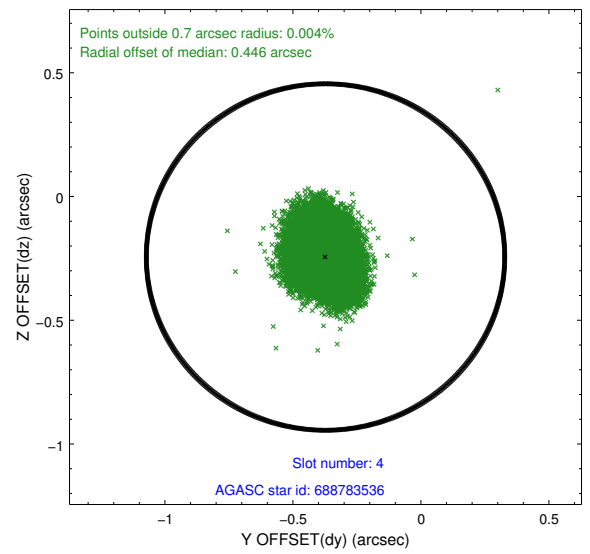
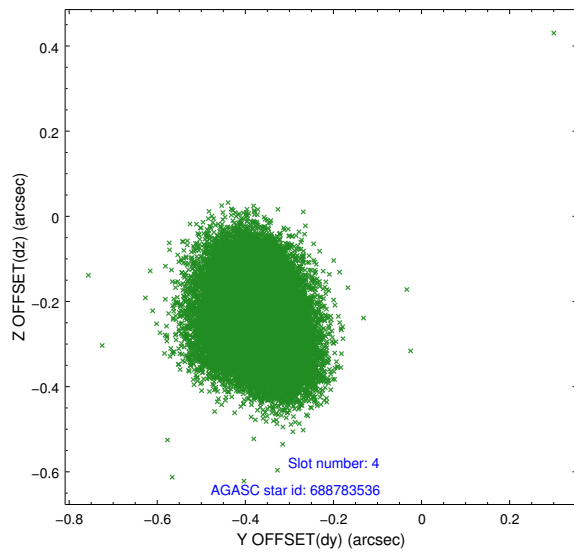
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	14182	-0.063	-0.026	0.014	0.023	0.000000	0.000000	-758.50	-1732.31
1	FID	ACIS-S-4	7.21	14182	0.100	0.037	0.019	0.027	0.000000	0.000000	2154.94	176.30
2	FID	ACIS-S-5	7.23	14182	-0.067	-0.002	0.012	0.022	0.000000	0.000000	-1811.41	169.86
3	GUIDE	688395360	9.50	28342	-0.365	-0.197	0.111	0.180	356.351108	-1.945464	-1895.82	-1082.83
4	GUIDE	688783536	9.31	28337	-0.373	-0.245	0.110	0.175	356.344501	-2.620614	333.81	-2051.69
5	GUIDE	688790192	9.24	28353	-0.144	-0.219	0.113	0.179	356.616722	-3.006211	1993.67	-1690.72
6	GUIDE	688783912	9.90	28329	0.872	0.265	0.214	0.333	356.937787	-2.750686	1597.50	-268.55
7	GUIDE	688914640	9.83	28331	-0.008	0.386	0.120	0.198	357.676511	-2.642513	2274.58	2329.64

2.4 Star Slots

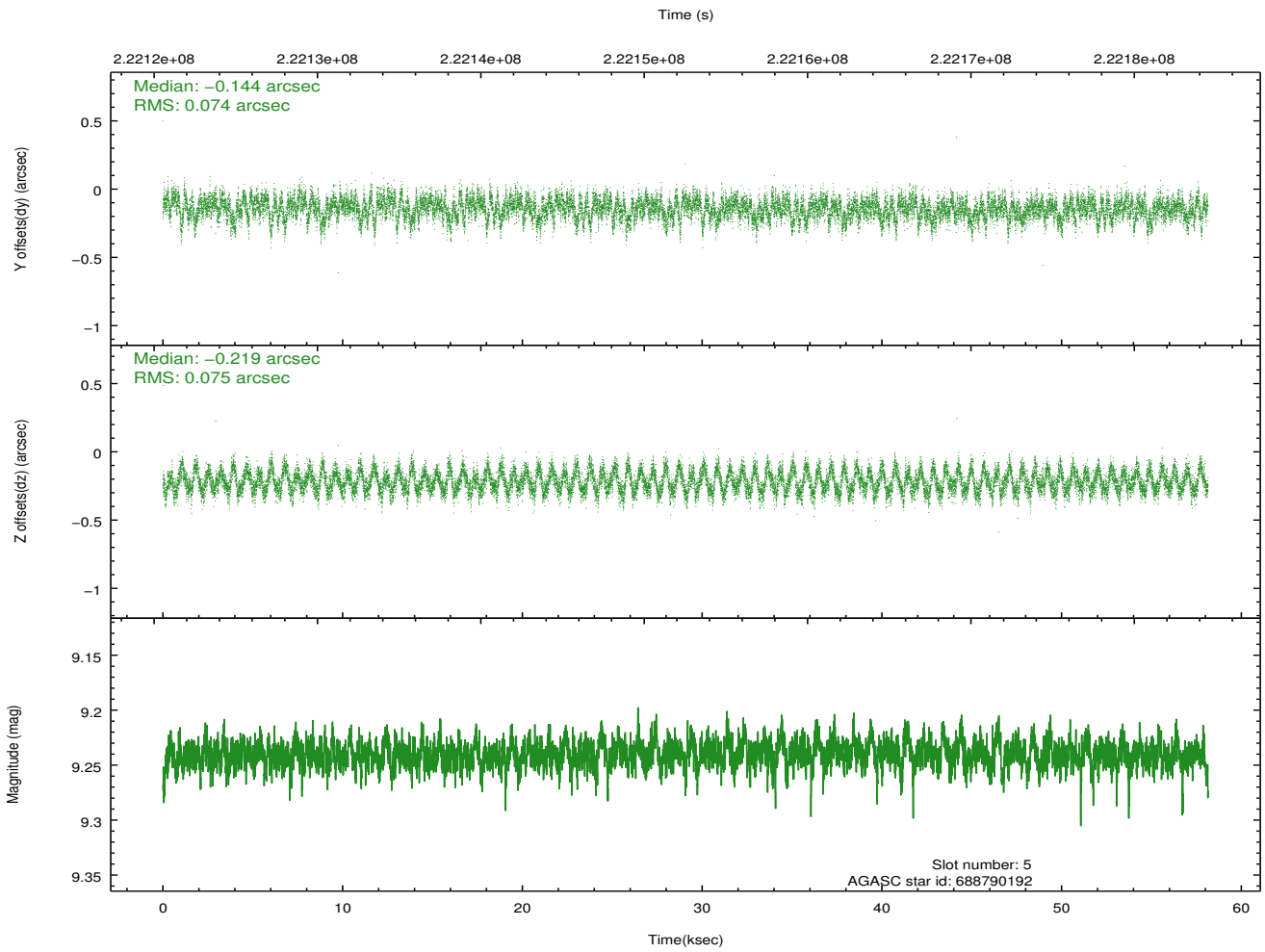
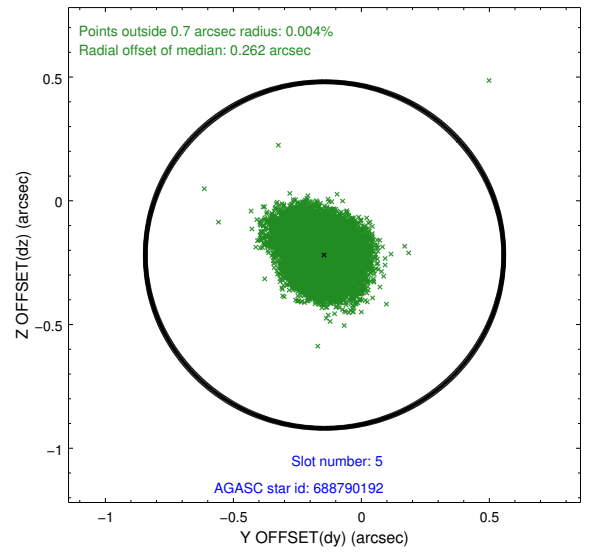
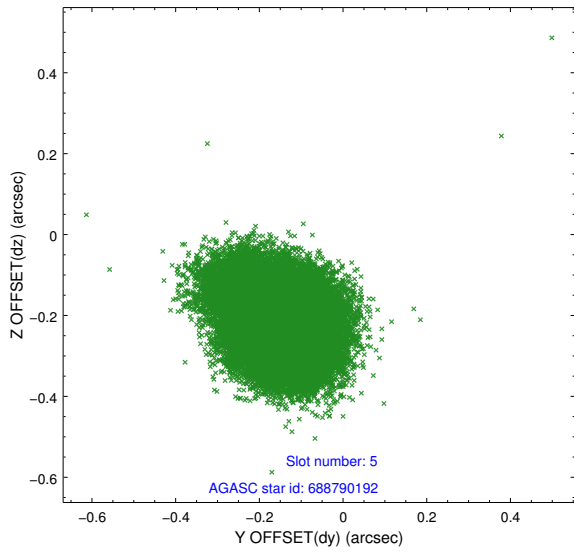
2.4.1 Slot 3



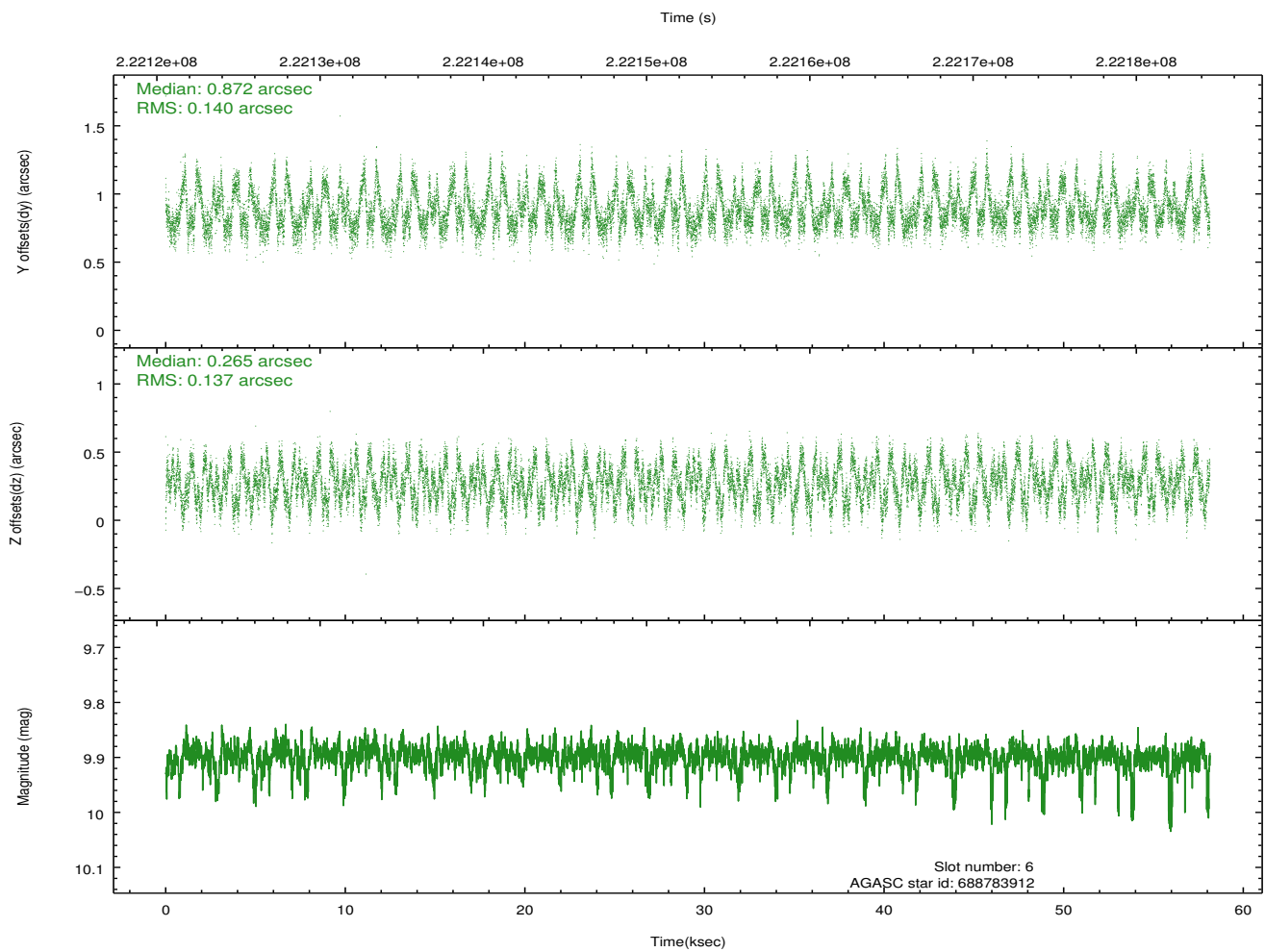
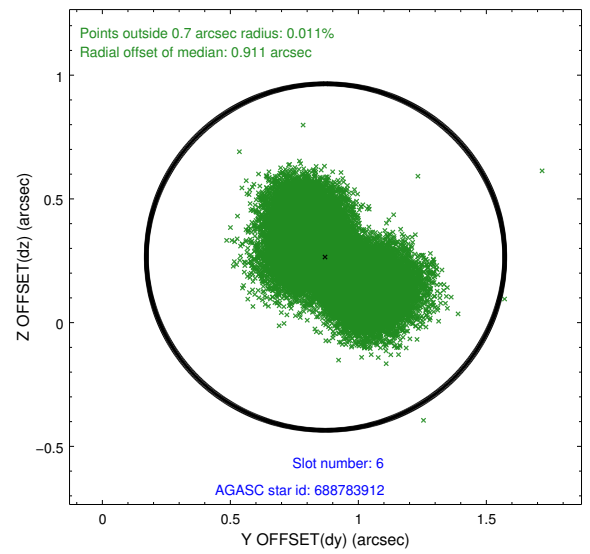
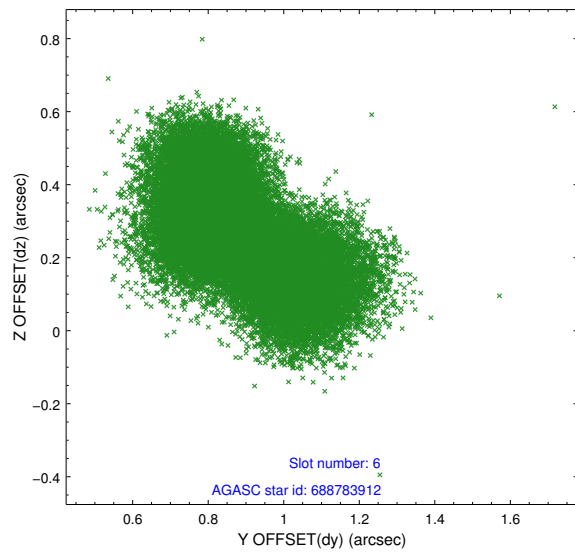
2.4.2 Slot 4



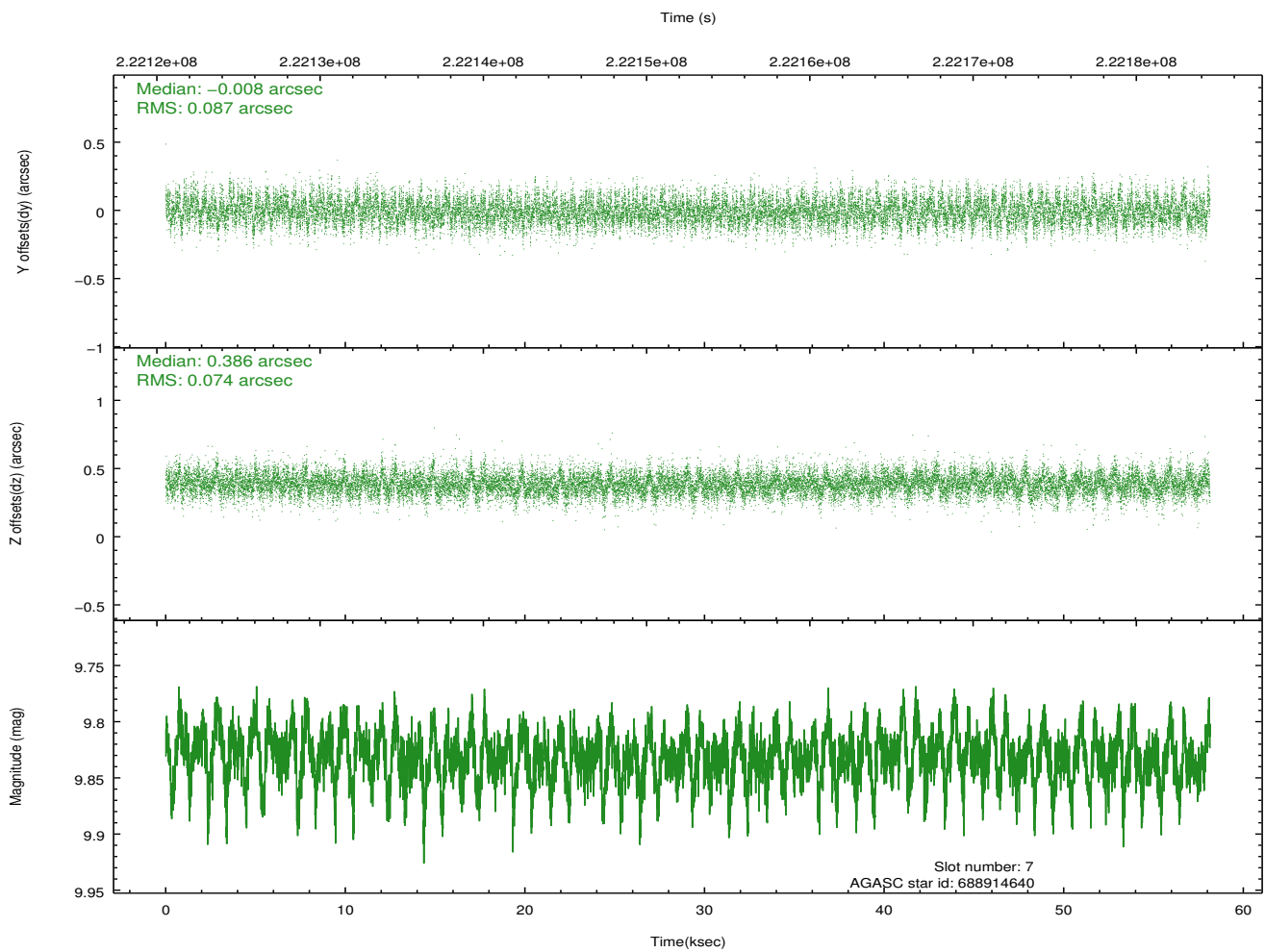
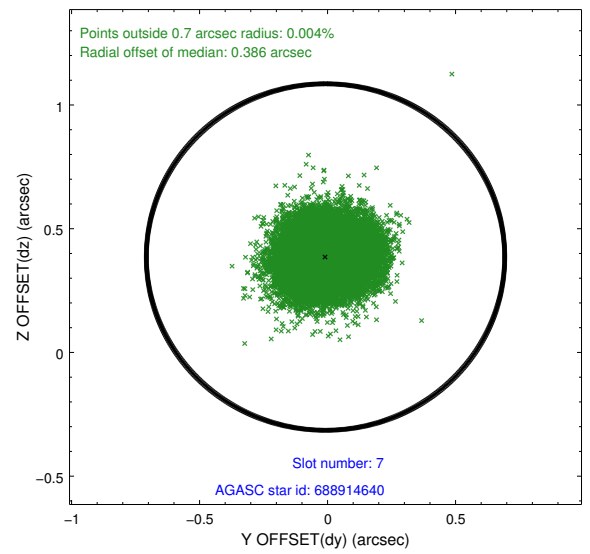
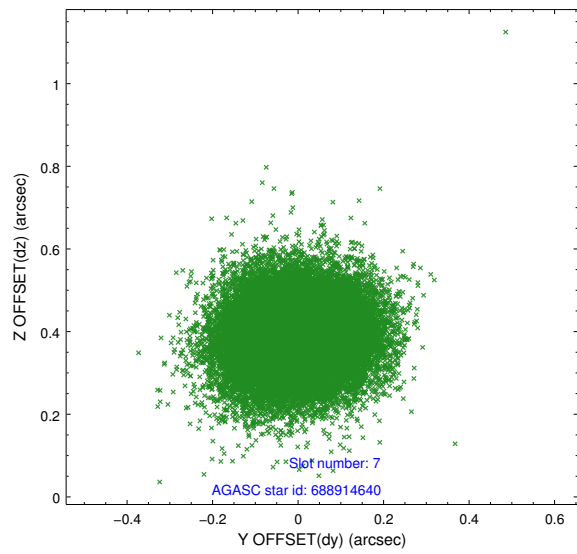
2.4.3 Slot 5



2.4.4 Slot 6

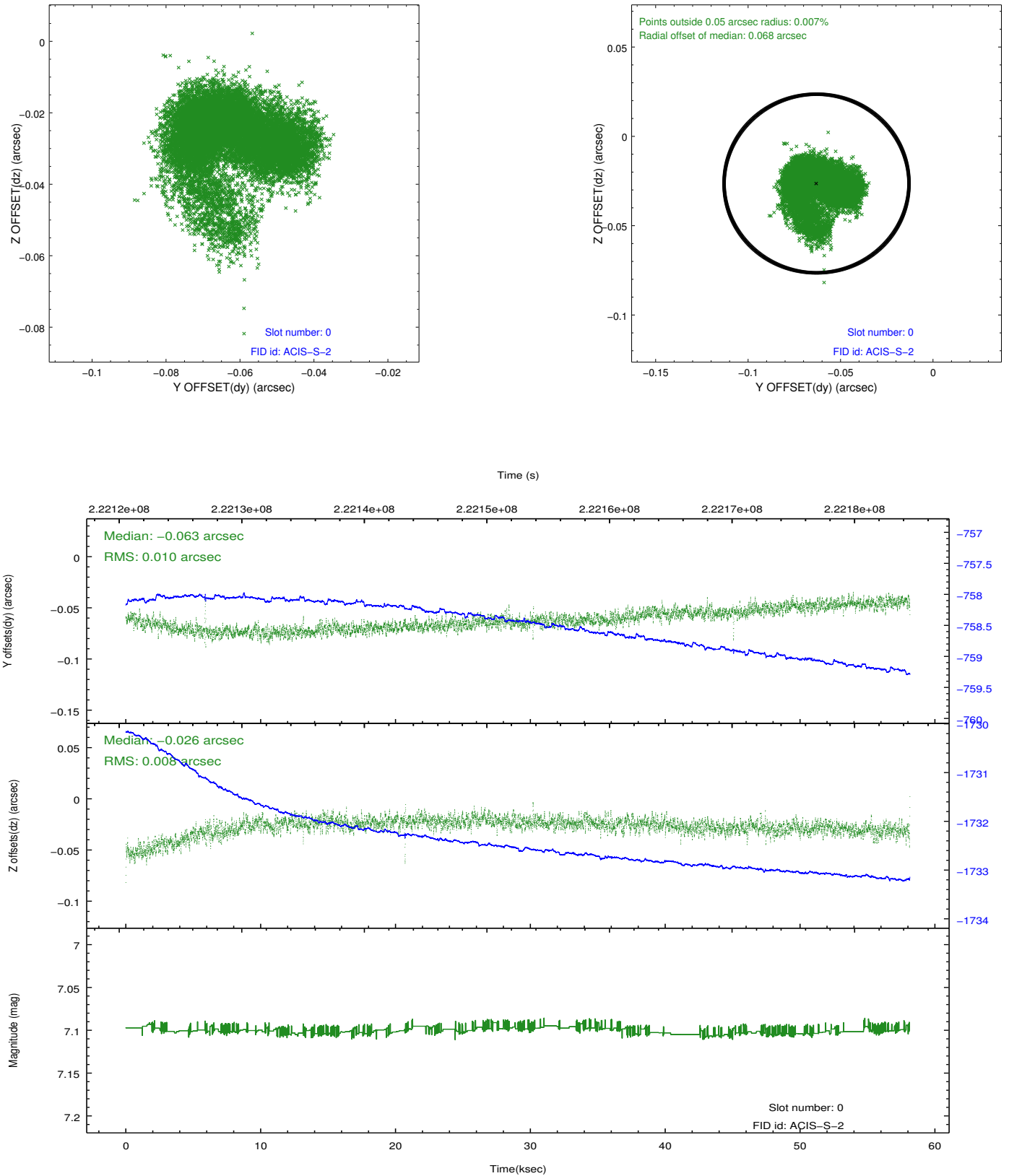


2.4.5 Slot 7

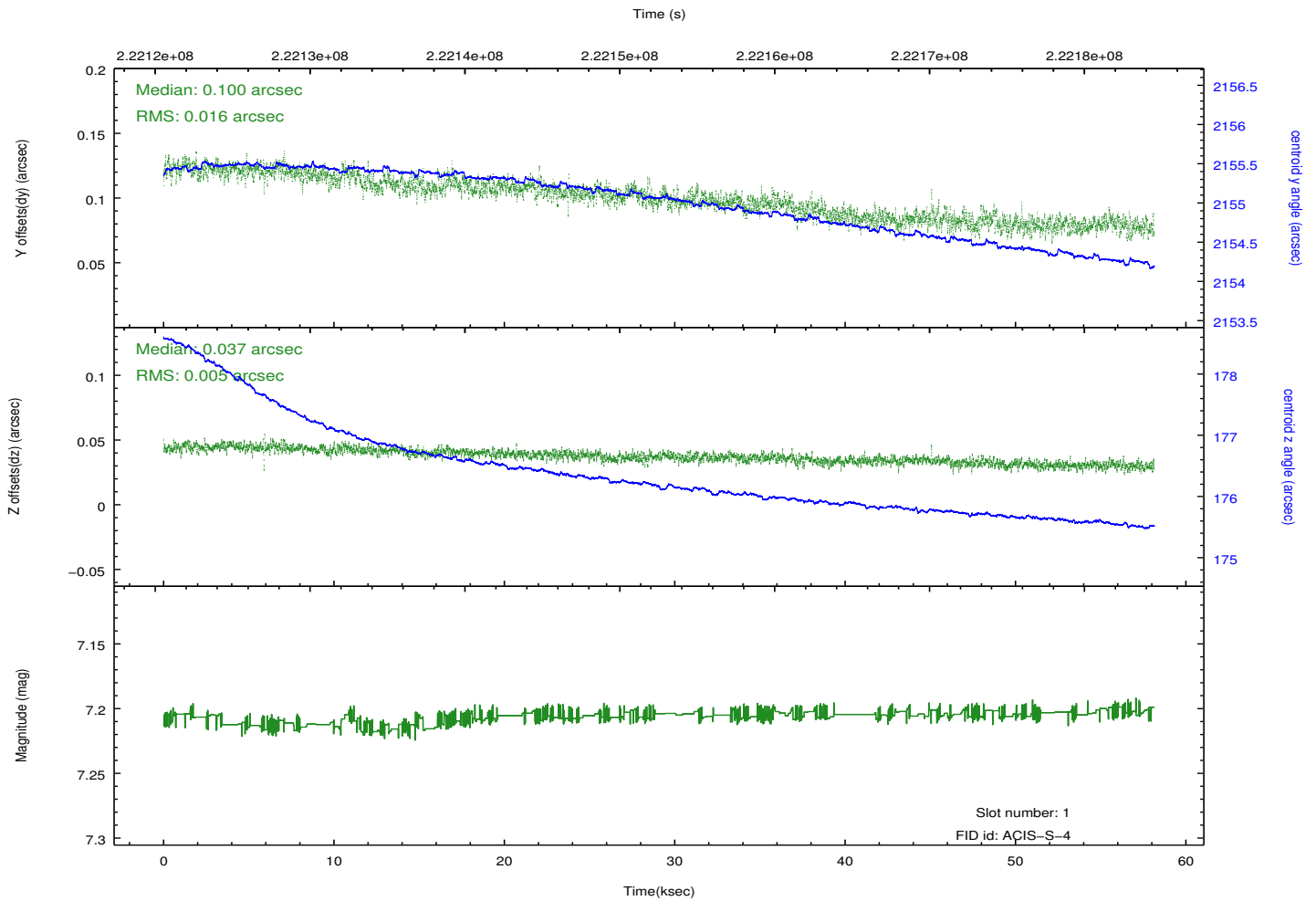
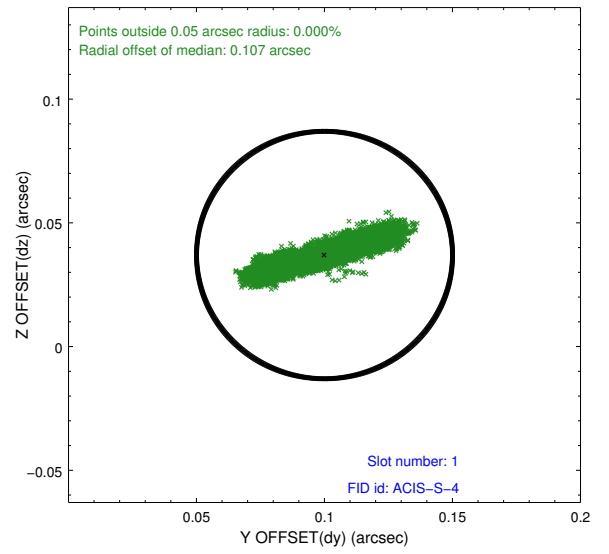
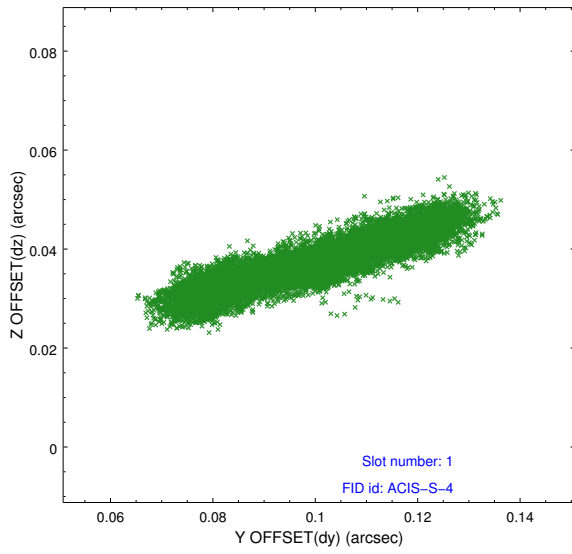


2.5 FID Slots

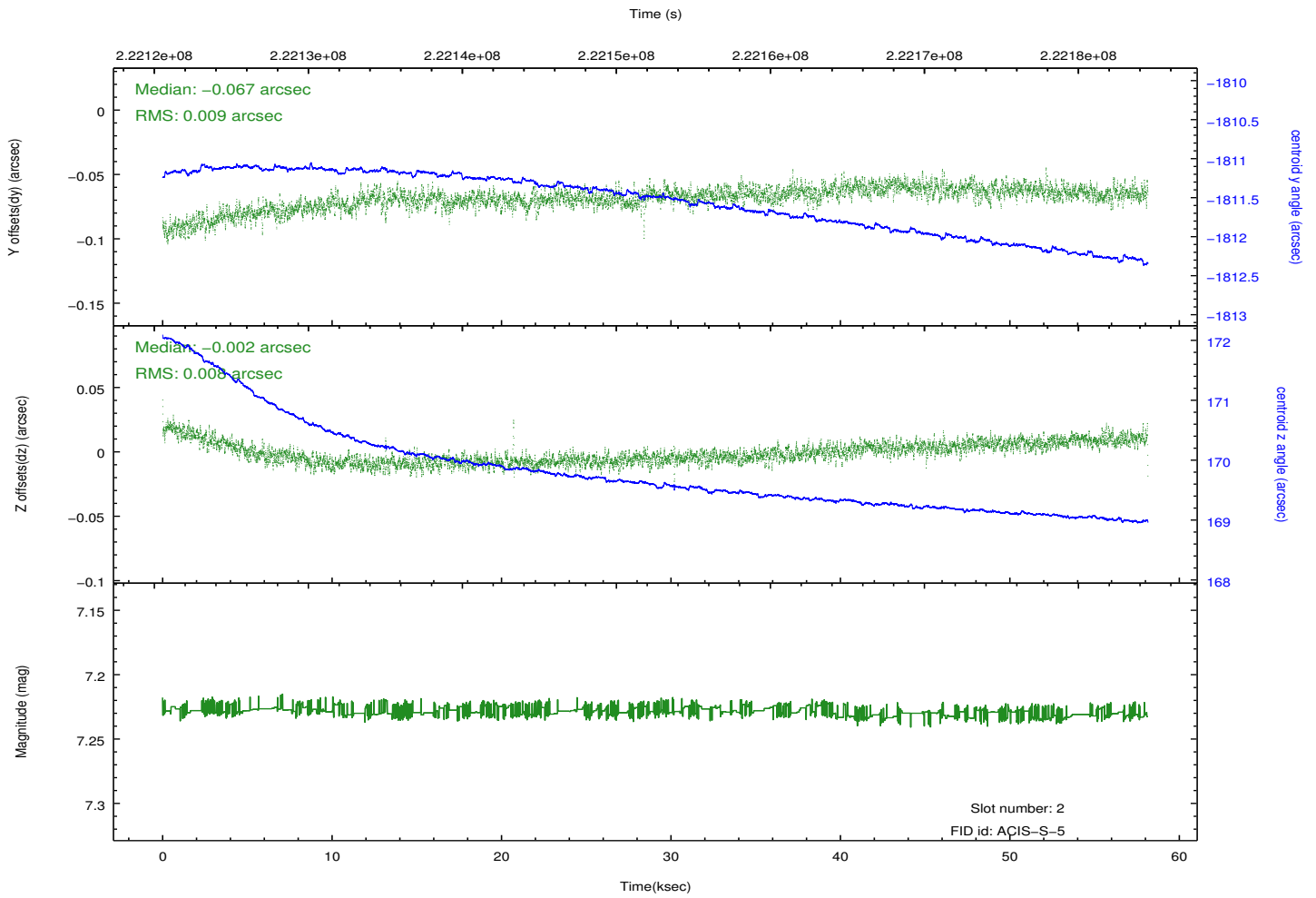
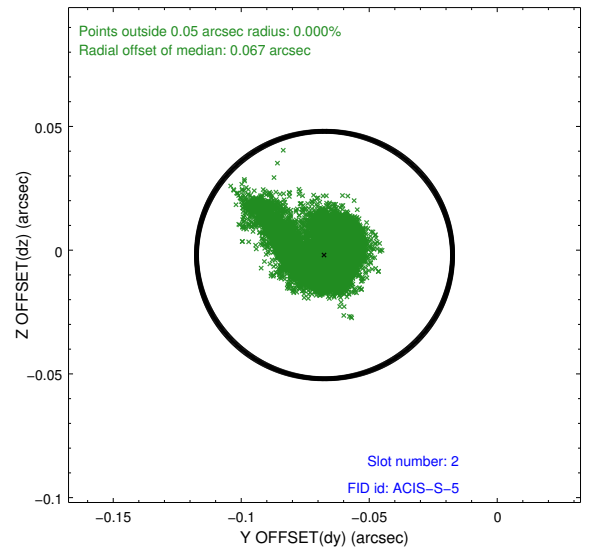
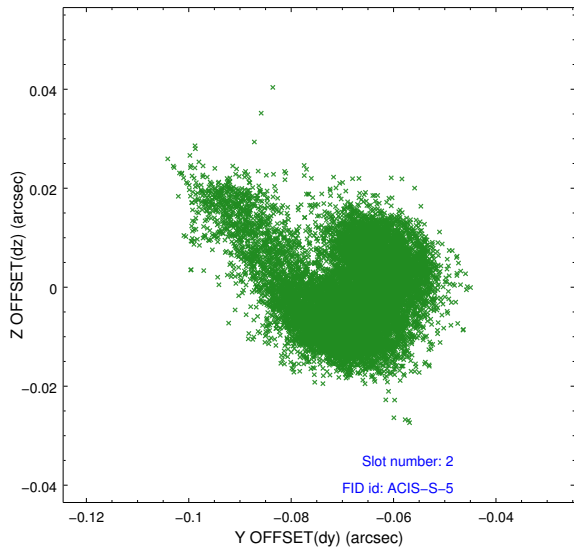
2.5.1 Slot 0



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)	2013.01.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	58.13439

A.2 Comments