

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5893 - L2 Version 3
Chandra X-Ray Center

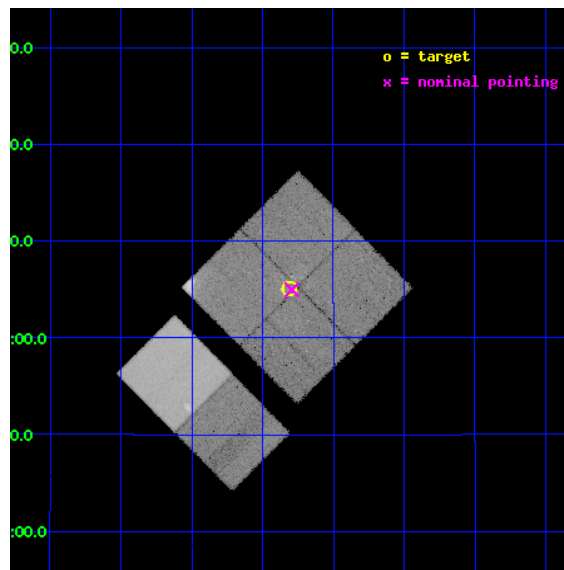
L2 Processing Date : Dec 27 2012

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1 Front

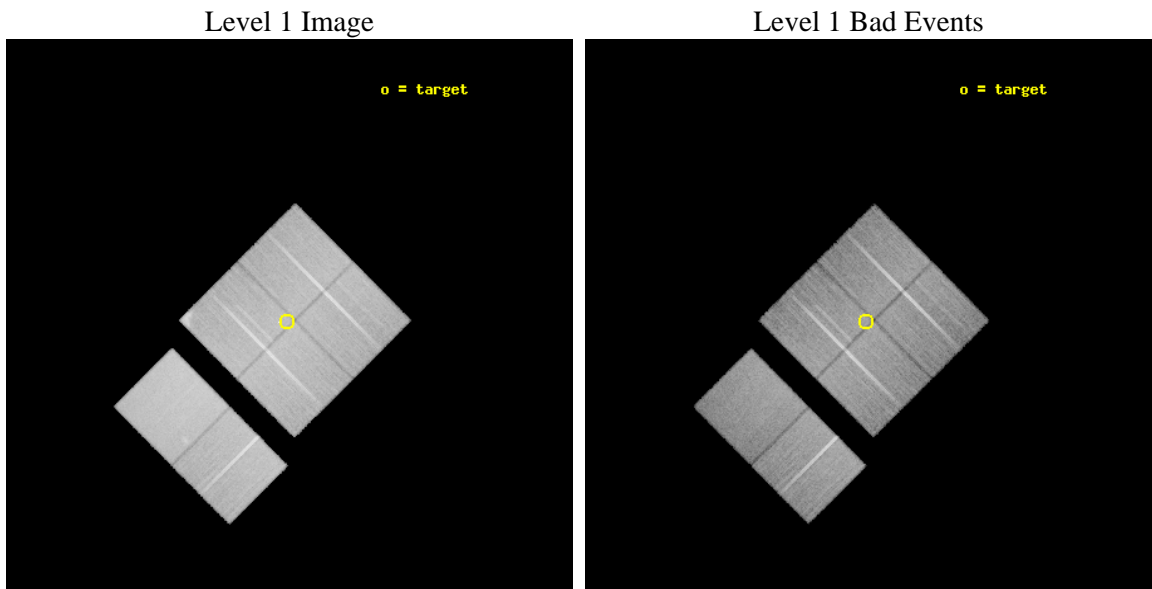
seq_num	900393	Sequence number
obs_id	5893	Observation id
title	ACIS-I Reveals a 60 Mega Kelvin Cocoon Surrounding a Galactic Star Burst Monster	Proposal title
observer	Dr. Masahiro Tsujimoto	Principal investigator
object	W49A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.5775	Observer's specified target RA [deg]
dec_targ	9.084444	Observer's specified target Dec [deg]
ra_nom	287.57313701737	Nominal RA [deg]
dec_nom	9.0826622952203	Nominal Dec [deg]
roll_nom	225.20937231318	Nominal Roll [deg]
revision	3	Processing version of data
ontime	33957.132997721	Sum of GTIs [s]
livetime	33527.147333174	Livetime [s]
ontime0	33957.009877741	Sum of GTIs [s]
ontime1	33953.809927404	Sum of GTIs [s]
ontime2	33947.368986964	Sum of GTIs [s]
ontime3	33957.132997721	Sum of GTIs [s]
ontime6	33957.215077728	Sum of GTIs [s]
ontime7	33957.174037725	Sum of GTIs [s]
l2events	292284	Number of level 2 events



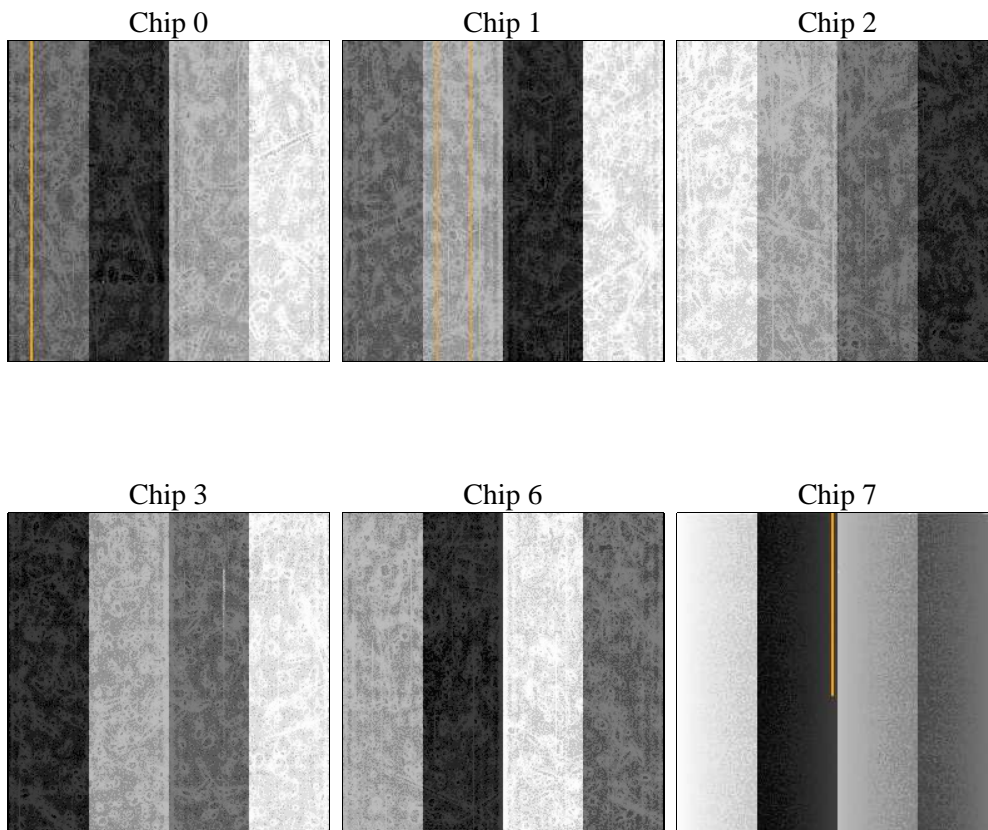
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	34000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	33957.132997721	Sum of GTIs [s]
caldbver	4.5.5	 	ontime0	33957.009877741	Sum of GTIs [s]
date	2012-12-27T02:48:40	Date and time of file creation	ontime1	33953.809927404	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	33947.368986964	Sum of GTIs [s]
			ontime3	33957.132997721	Sum of GTIs [s]
			ontime6	33957.215077728	Sum of GTIs [s]
			ontime7	33957.174037725	Sum of GTIs [s]
			l1events	1588789	Number of level 1 events

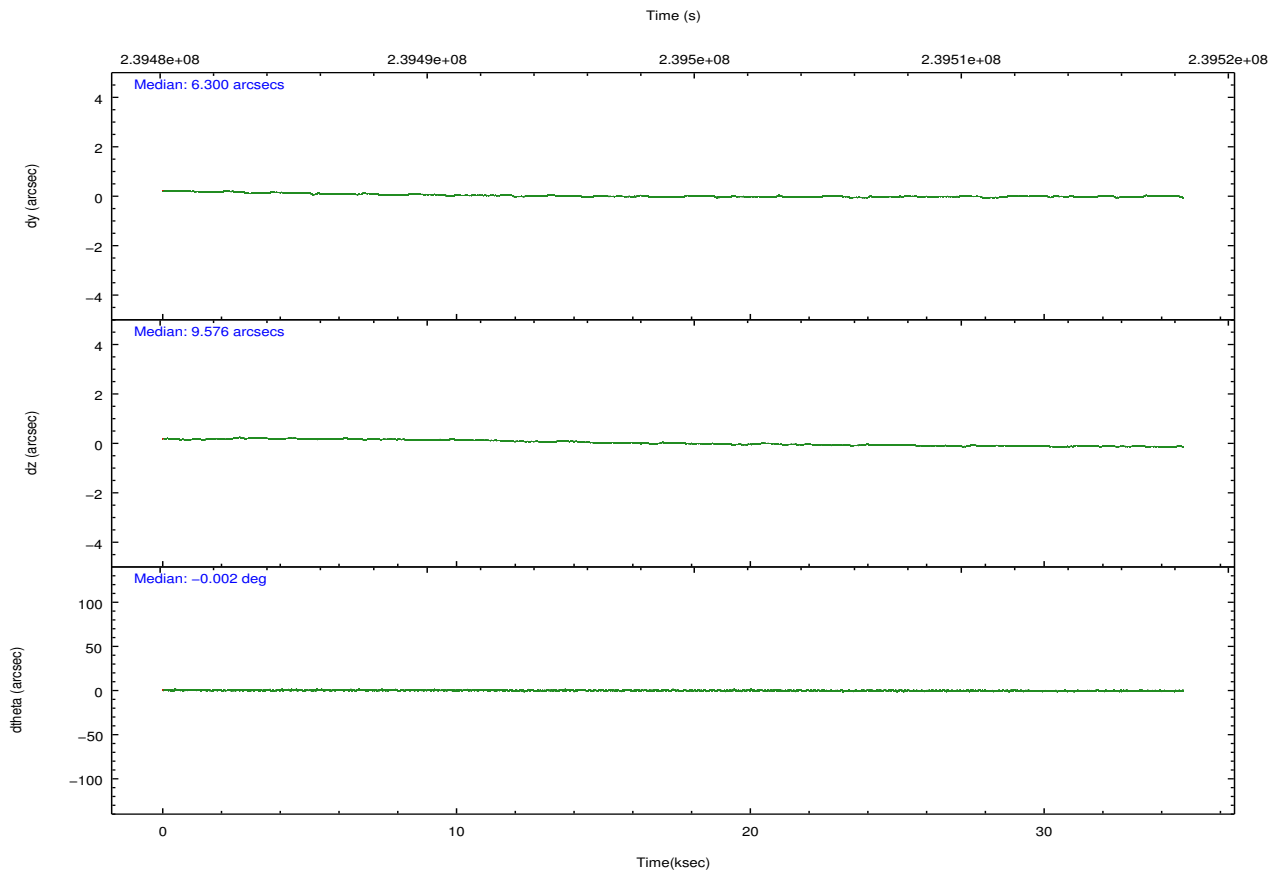
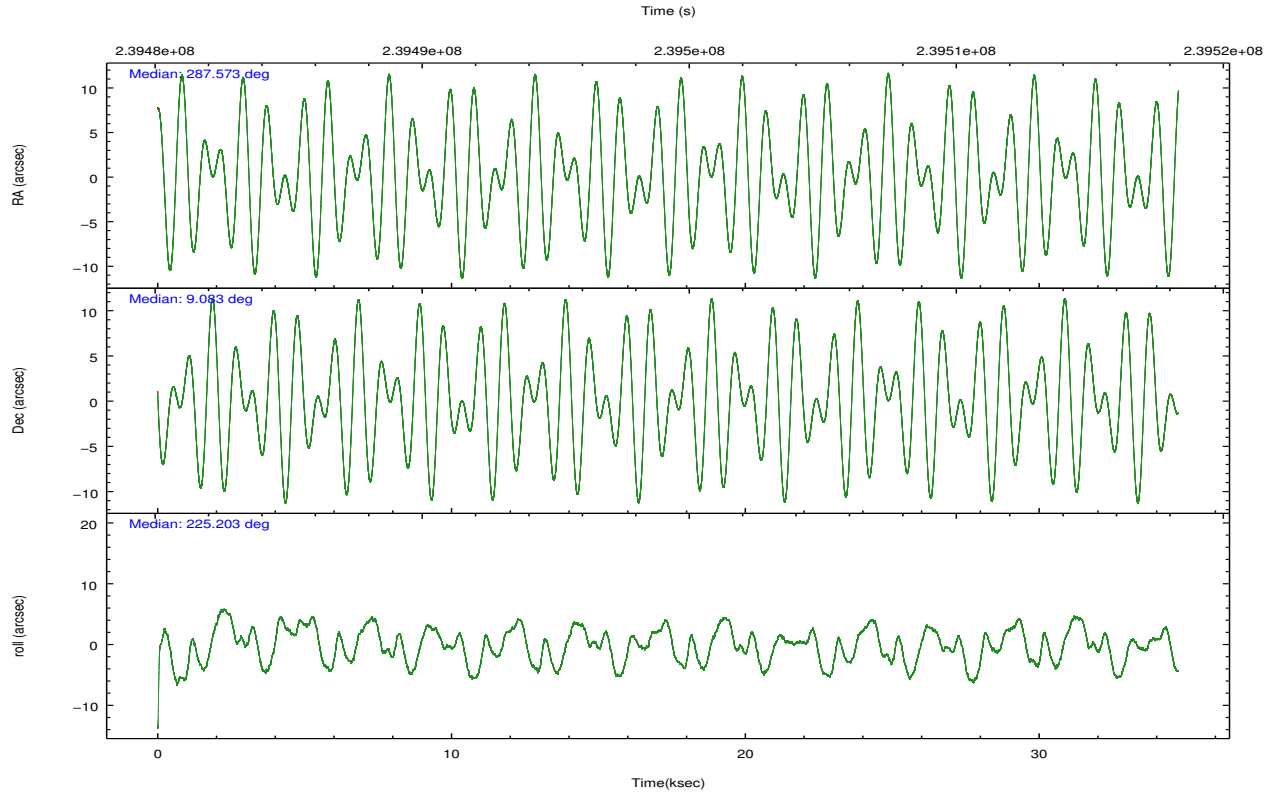
2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	230606	237791	259576	259362	266897	334557	grade 0 events	14321	13181	15046	21118	12340	12380
rejected events	196213	201639	225733	216761	233552	195321		6%	5%	5%	8%	4%	3%
rejected %	85%	84%	86%	83%	87%	58%	grade 1 events	133	115	135	169	120	275
								0%	0%	0%	0%	0%	0%
							grade 2 events	8082	9476	7587	8556	8640	27903
								3%	3%	2%	3%	3%	8%
							grade 3 events	3036	2971	2648	3242	2884	12033
								1%	1%	1%	1%	1%	3%
							grade 4 events	2678	2970	2913	3223	2776	11761
								1%	1%	1%	1%	1%	3%
							grade 5 events	9624	10030	9358	10768	11339	31016
								4%	4%	3%	4%	4%	9%
							grade 6 events	6282	7561	5655	6469	6710	75198
								2%	3%	2%	2%	2%	22%
							grade 7 events	186450	191487	216234	205817	222088	163991
								80%	80%	83%	79%	83%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	287.580125	287.5731370173717	Subarray requested	NONE	NONE
[deg] Pointing Dec	9.109197	9.082662295220311	Alternating exposures requested	N	N
[deg] Pointing Roll	224.999582	225.2093723131848	[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)	239482583.184000	239481345.08051			
Observation start date	2005-08-03T18:55:19	2005-08-03T18:35:45			
[s] Observation end time (MET)	239516583.184000	239517390.23216			
Observation end date	2005-08-04T04:21:59	2005-08-04T04:36:30			
Read mode	TIMED	TIMED			

2.3 Aspect

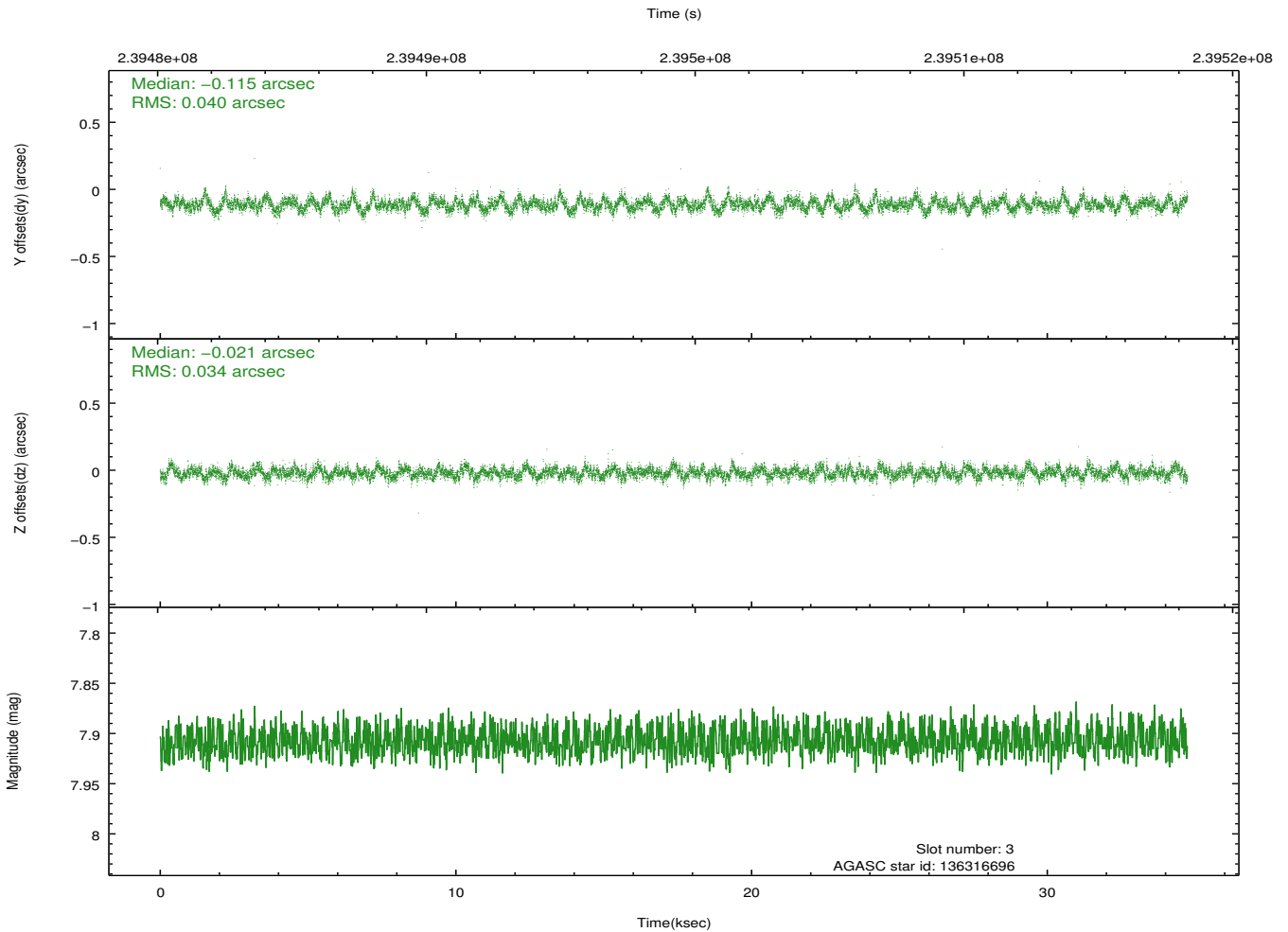
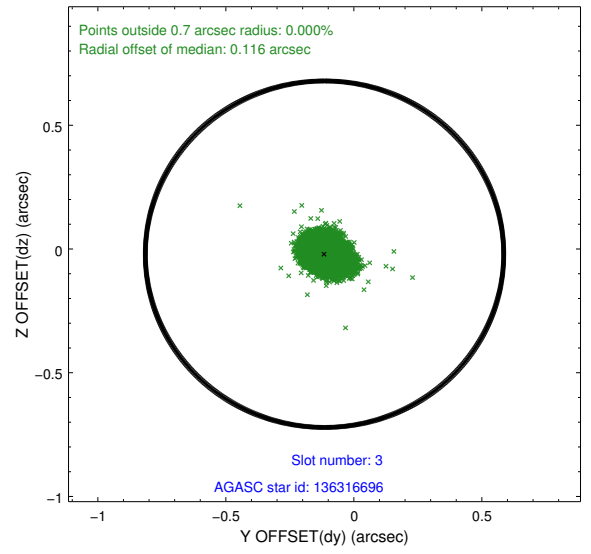
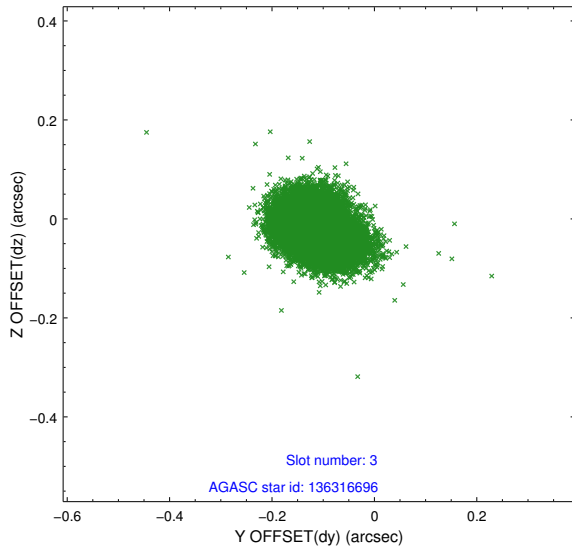


Slot Statistics

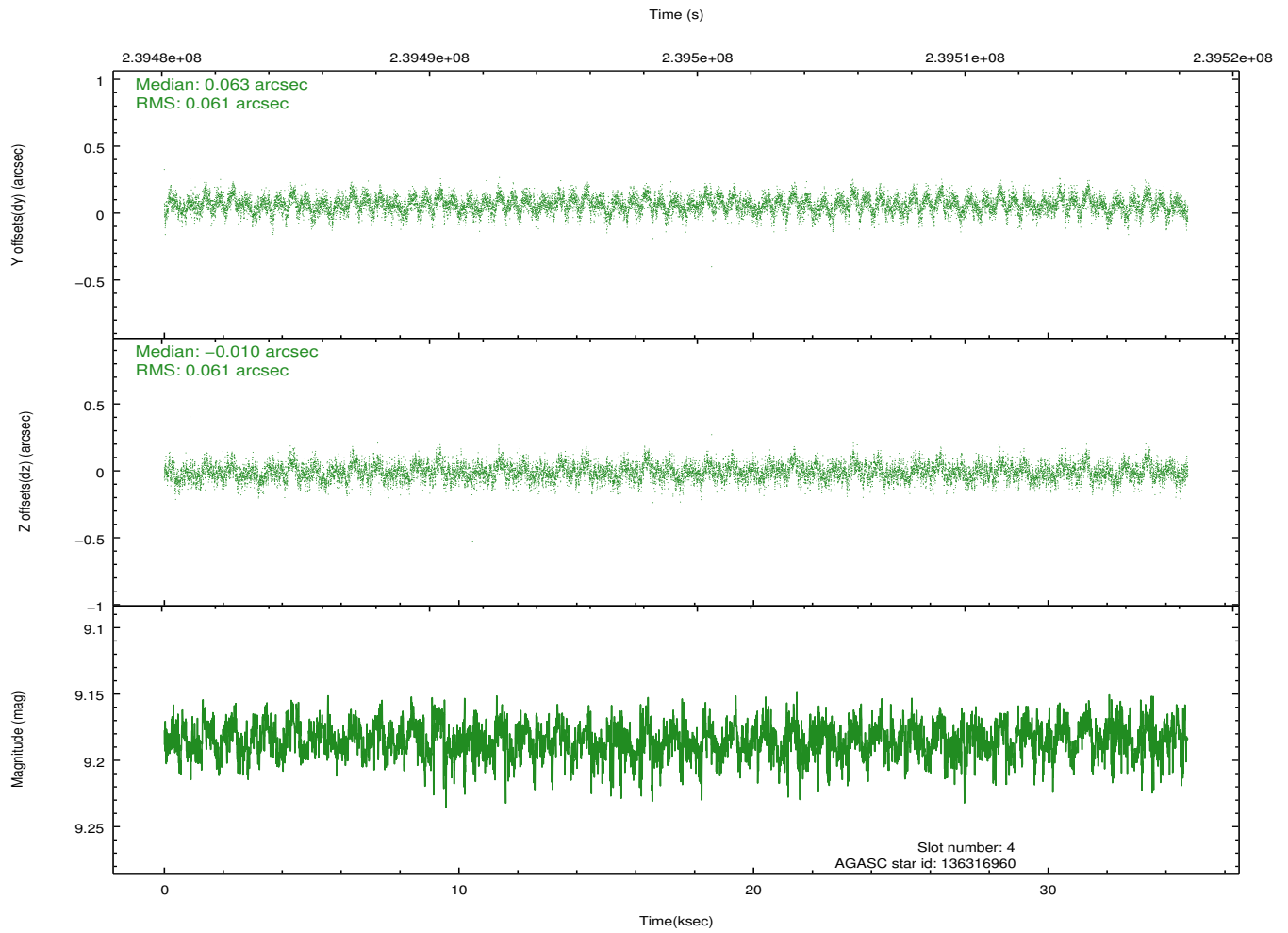
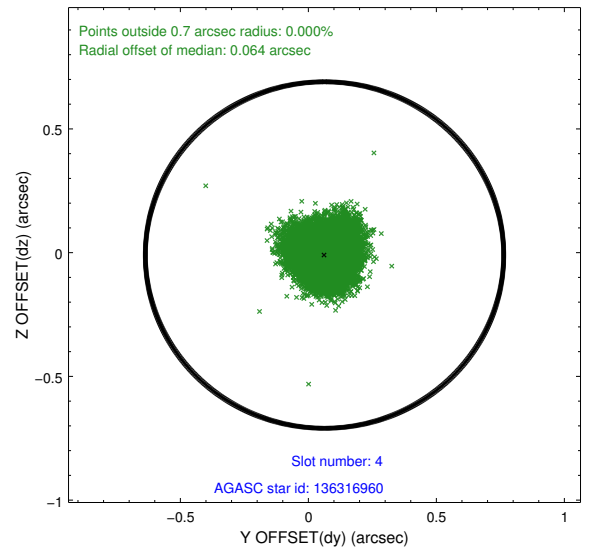
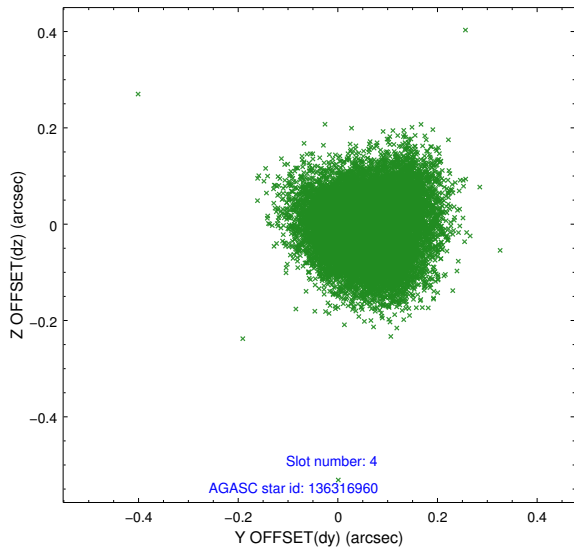
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	8474	0.007	0.021	0.009	0.015	0.000000	0.000000	933.38	-833.04
1	FID	ACIS-I-5	7.23	8475	-0.167	0.027	0.006	0.011	0.000000	0.000000	-1814.88	1064.43
2	FID	ACIS-I-6	7.26	8475	0.069	0.023	0.009	0.015	0.000000	0.000000	398.93	1708.98
3	GUIDE	136316696	7.91	16945	-0.115	-0.021	0.056	0.091	287.190166	9.367792	321.12	-1638.27
4	GUIDE	136316960	9.18	16937	0.063	-0.010	0.091	0.148	287.104881	9.133555	1132.20	-1257.01
5	GUIDE	136317344	9.26	16945	0.168	-0.016	0.091	0.155	287.032148	8.921467	1855.56	-900.90
6	GUIDE	136451040	7.20	16945	-0.121	-0.079	0.051	0.085	287.806788	8.498975	982.62	2124.07
7	GUIDE	136979696	9.38	16942	0.008	0.121	0.087	0.142	287.607746	9.703592	-1582.02	-1443.48

2.4 Star Slots

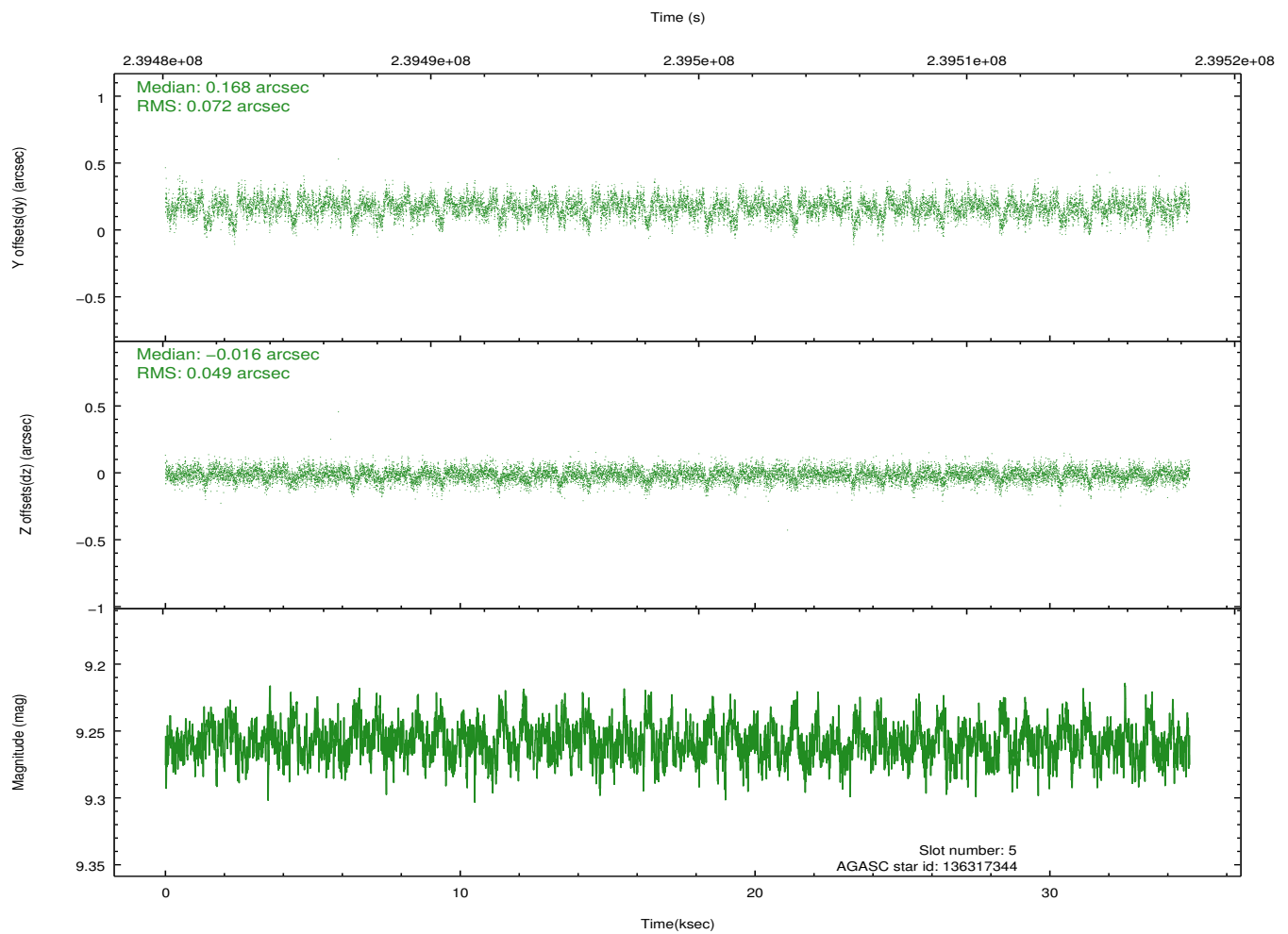
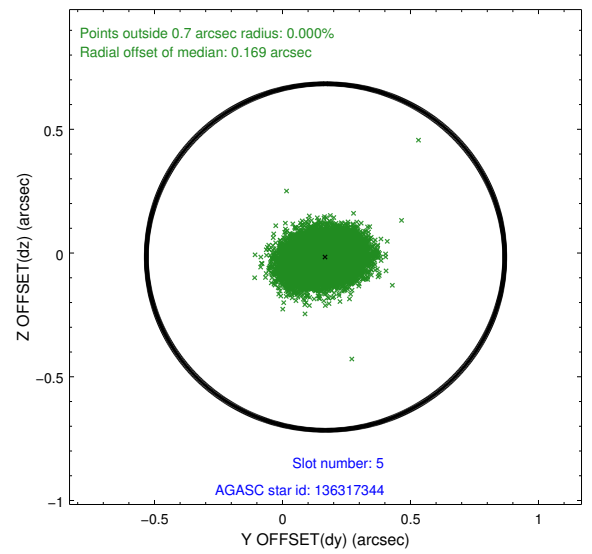
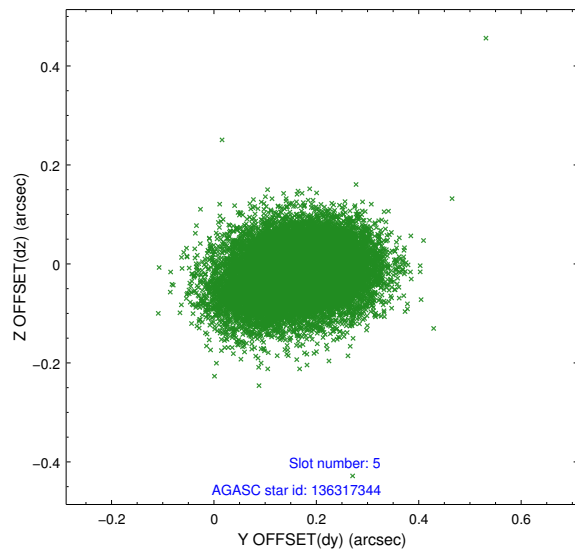
2.4.1 Slot 3



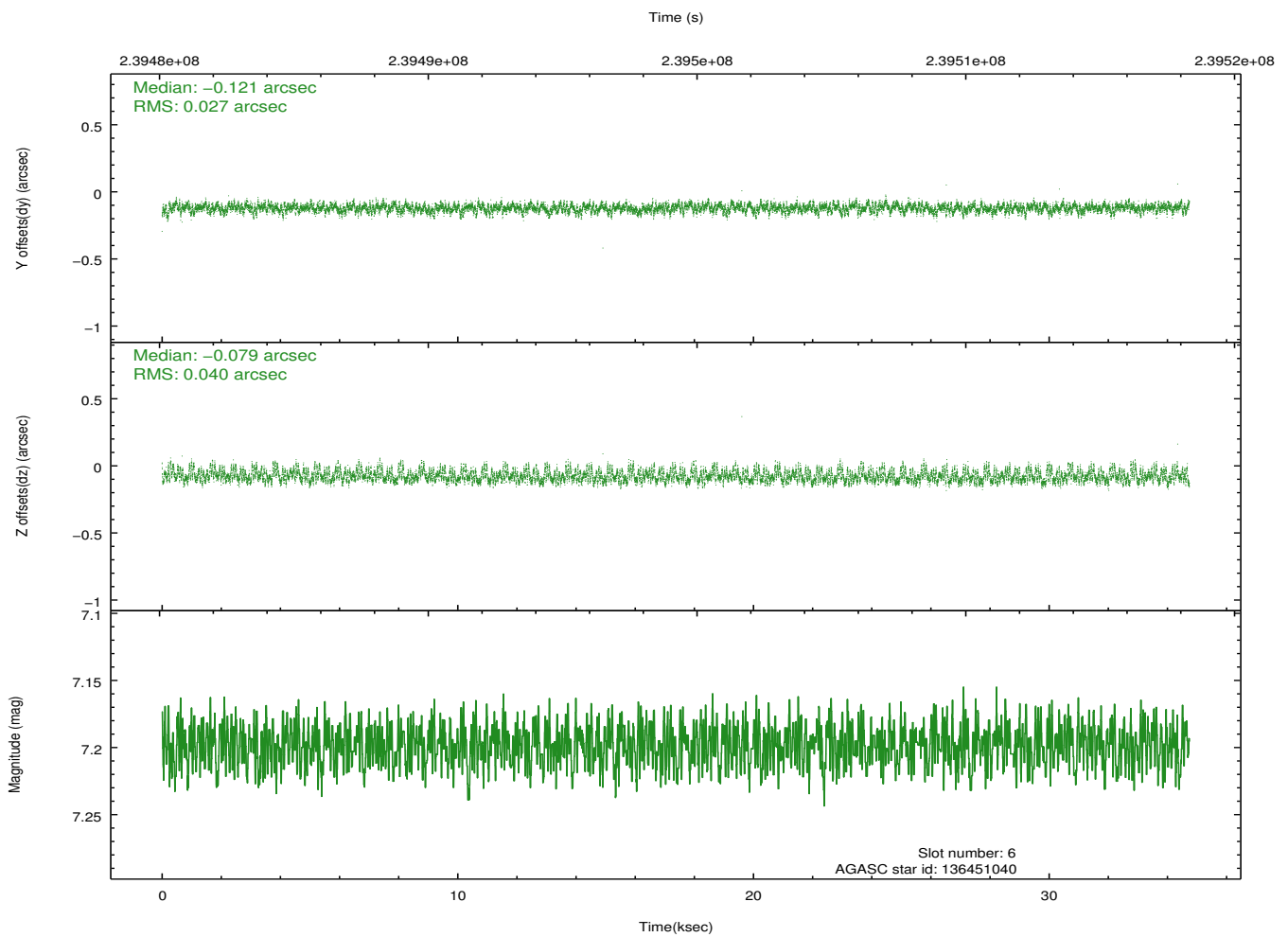
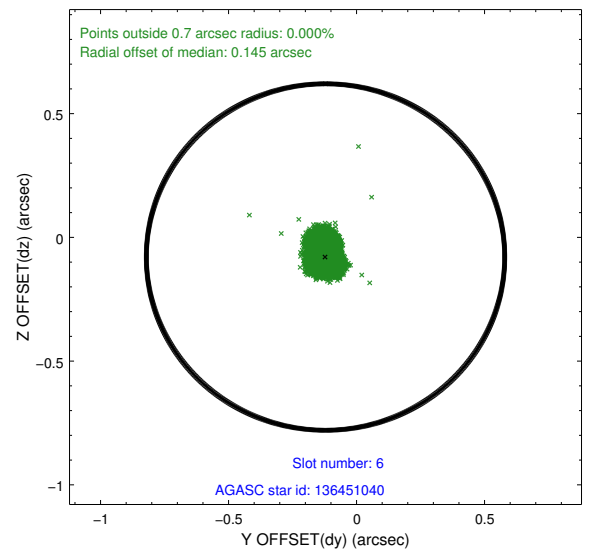
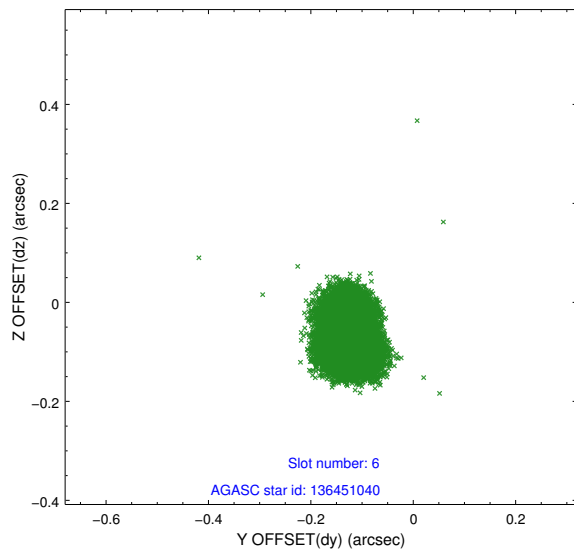
2.4.2 Slot 4



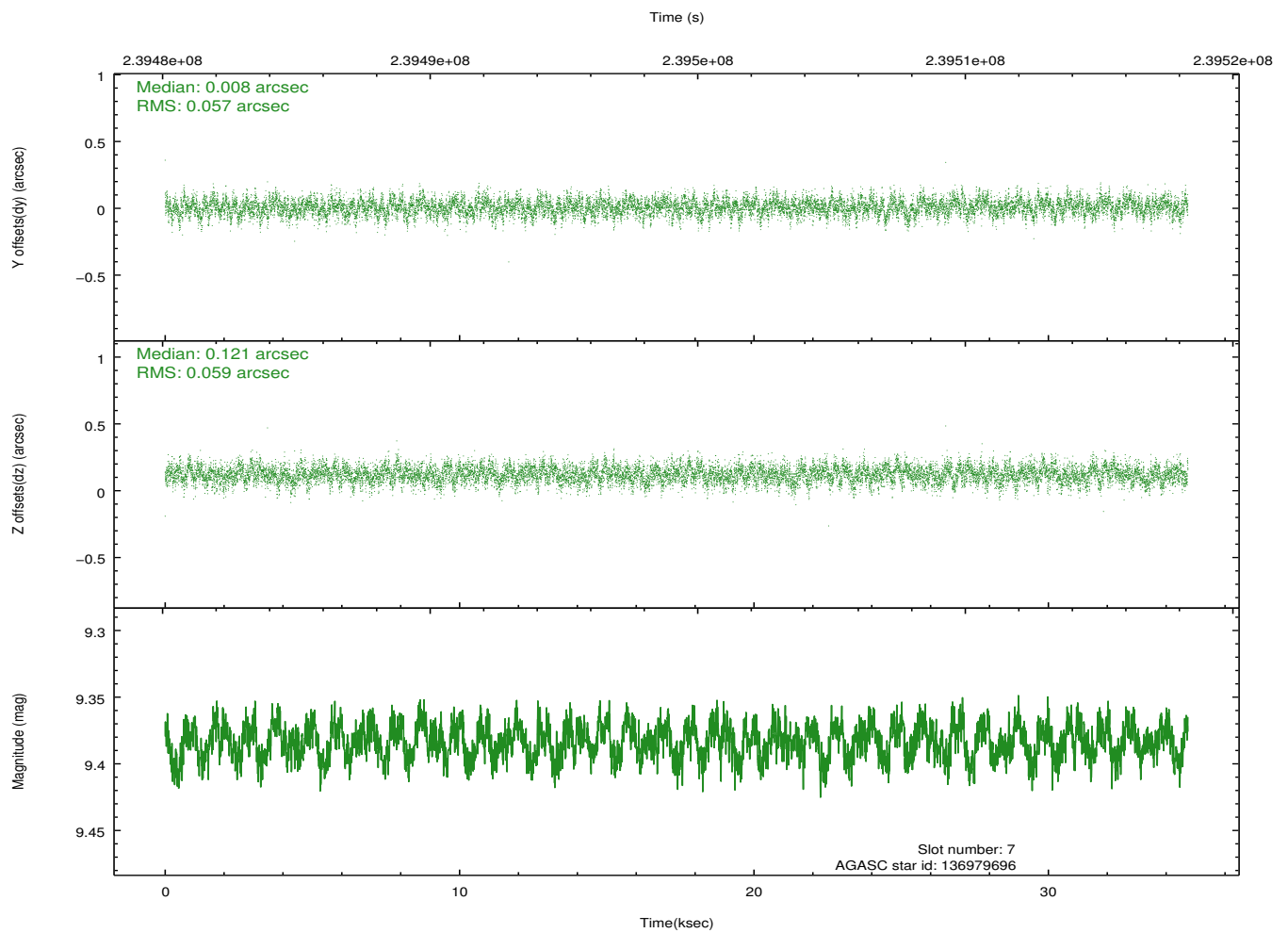
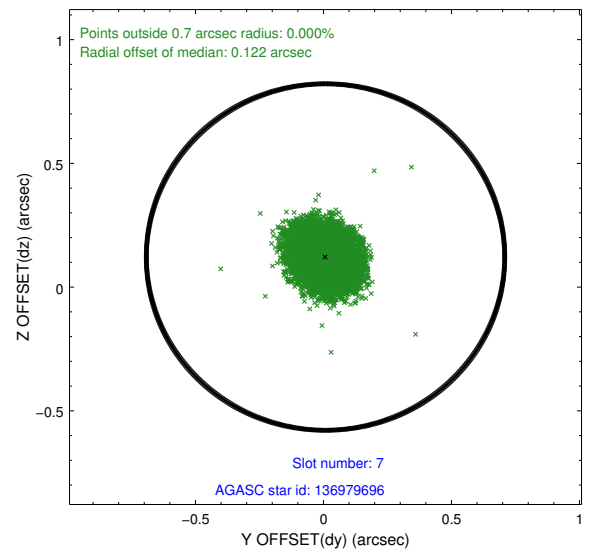
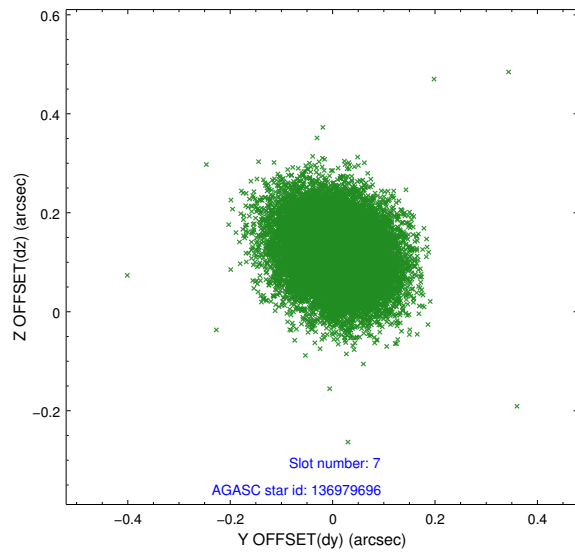
2.4.3 Slot 5



2.4.4 Slot 6

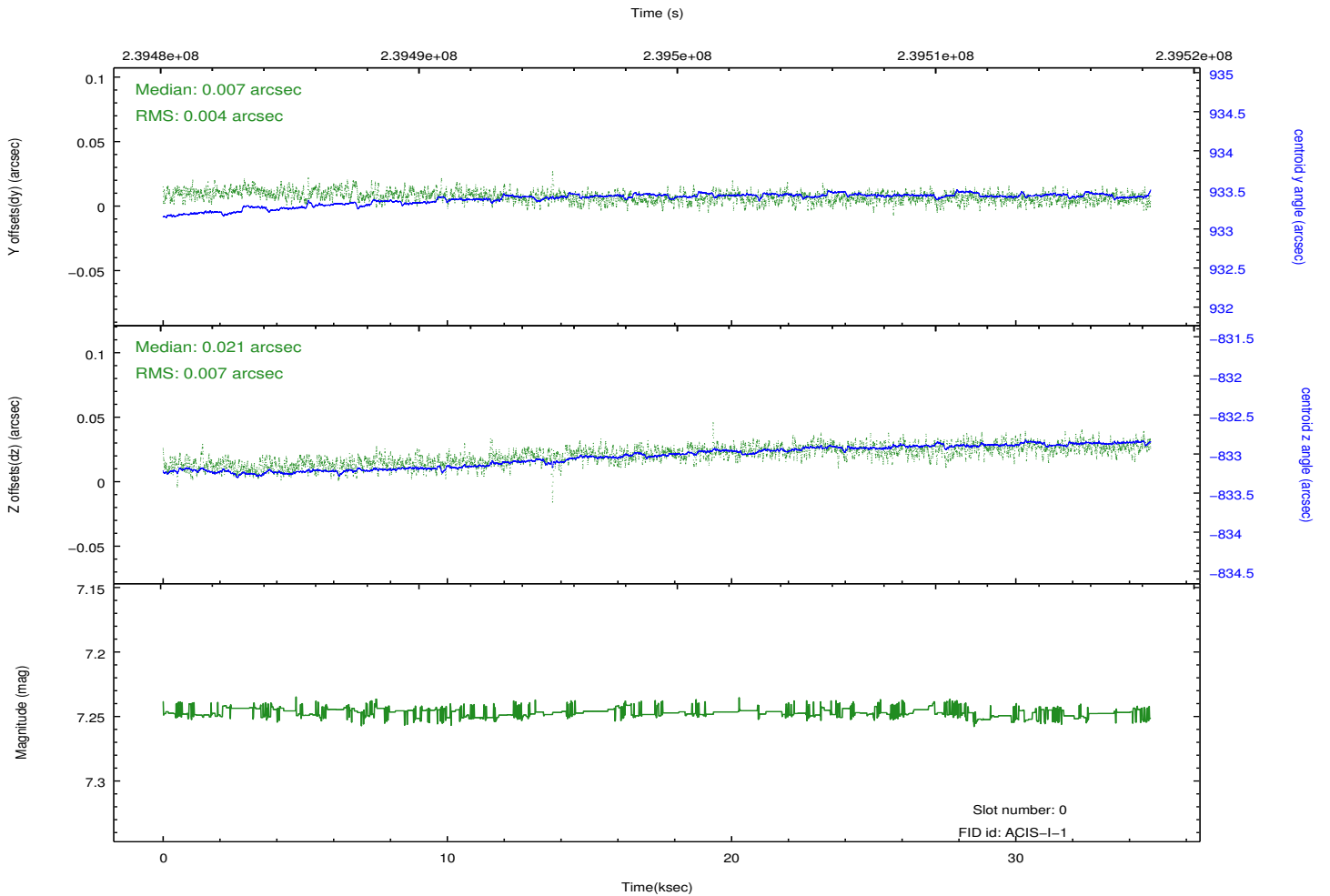
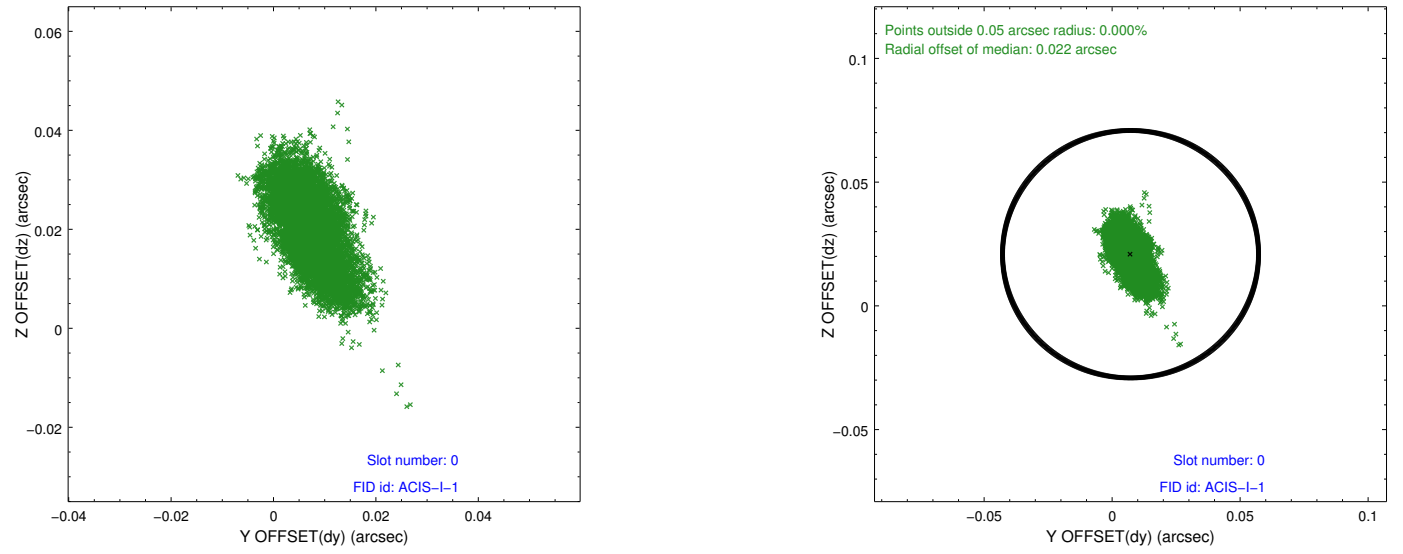


2.4.5 Slot 7

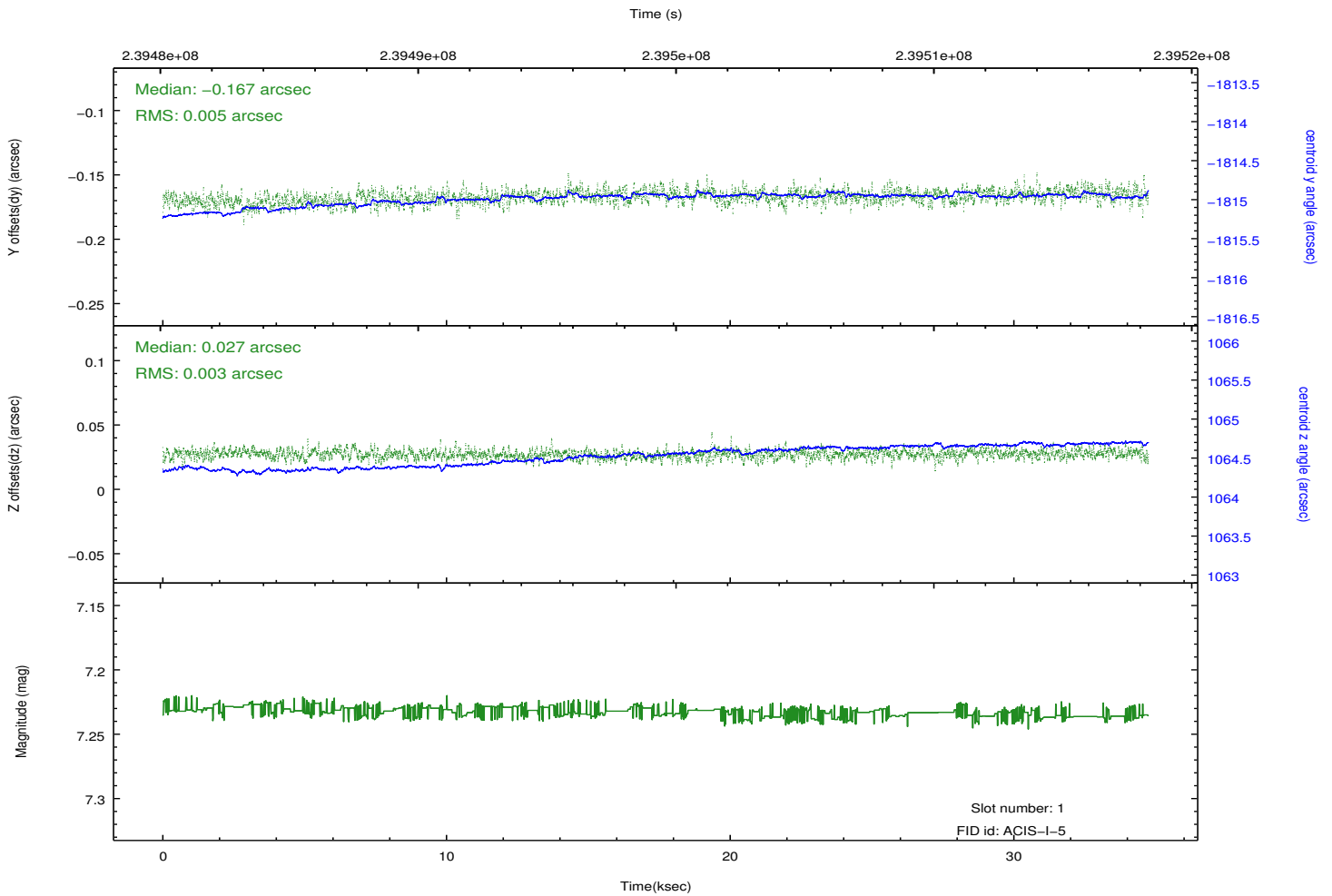
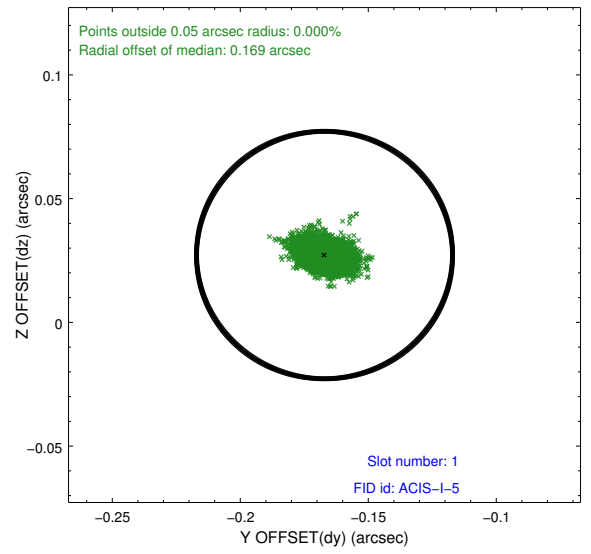
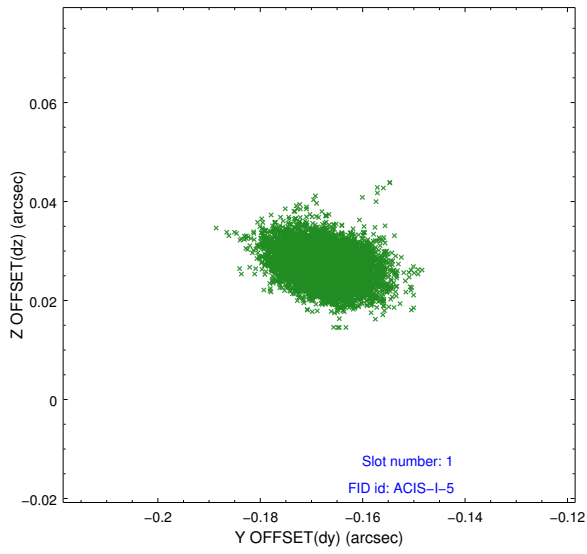


2.5 FID Slots

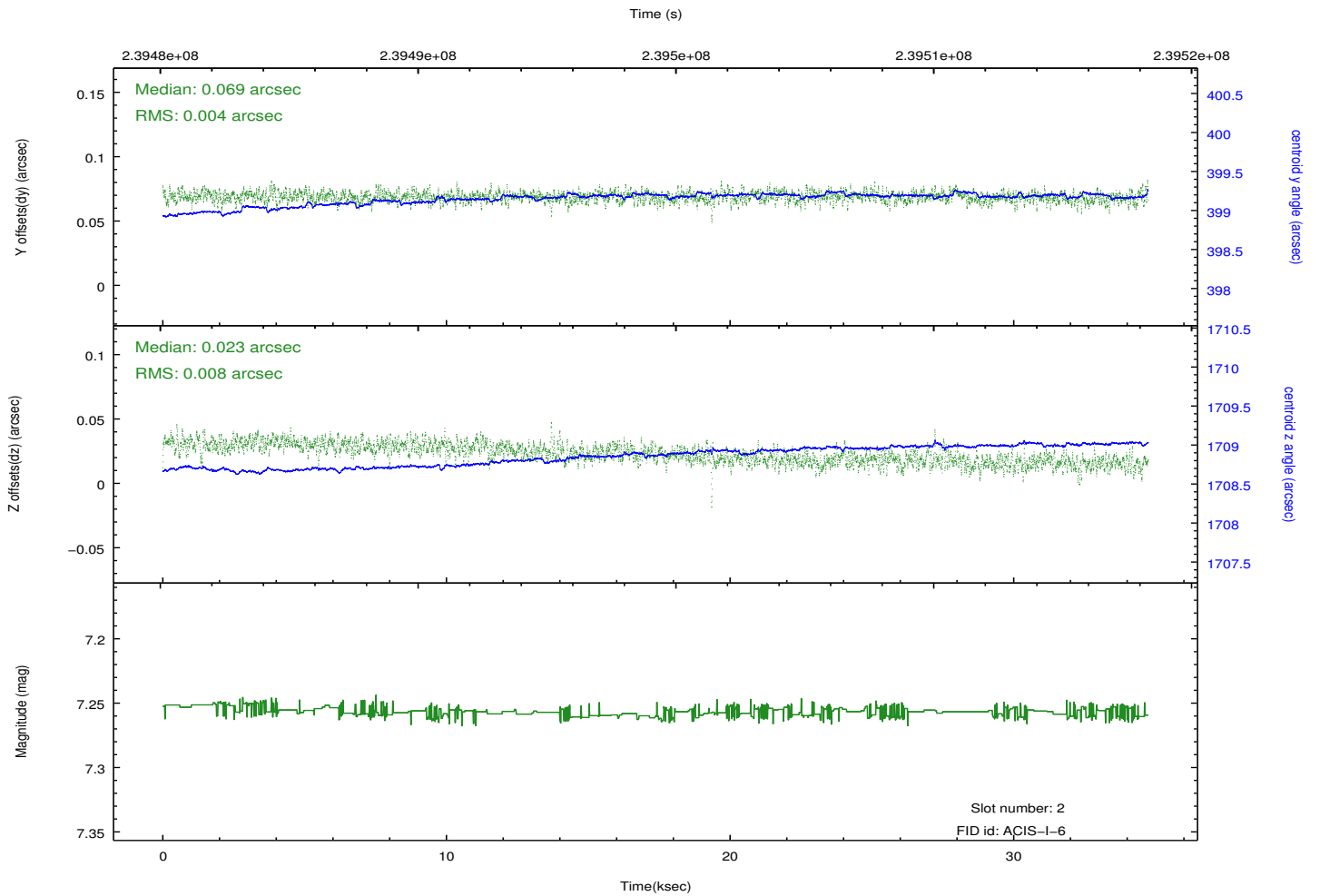
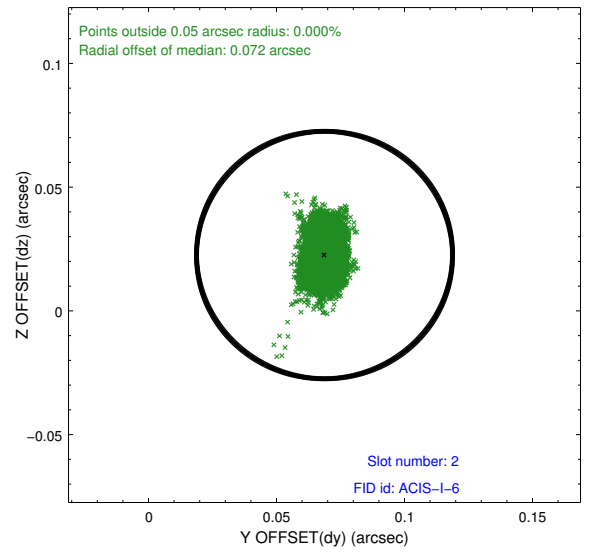
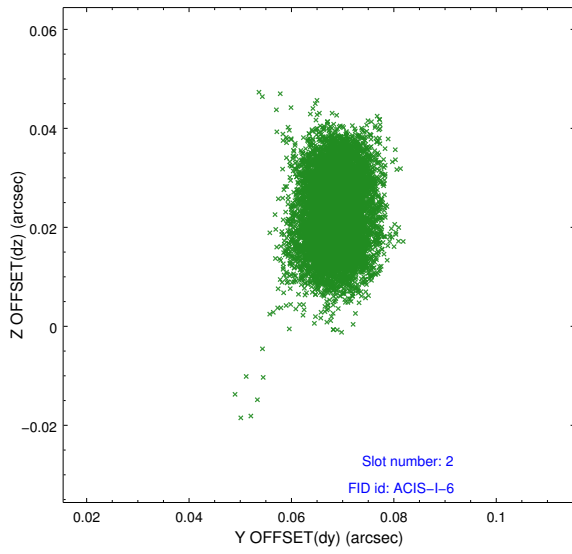
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	33.9584

A.2 Comments