

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9486 - L2 Version 2
Chandra X-Ray Center

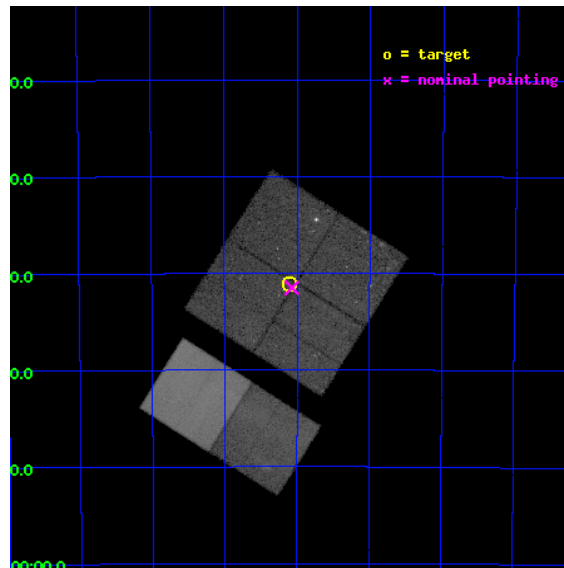
L2 Processing Date : May 18 2012

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1 Front

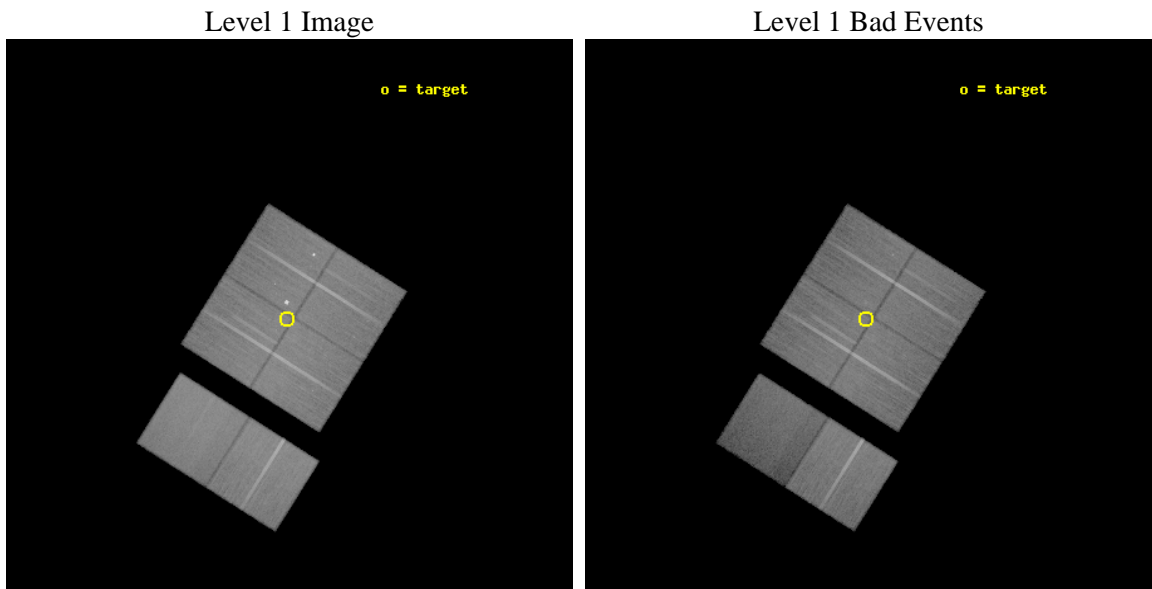
seq_num	900823	Sequence number
obs_id	9486	Observation id
title	The Great Nebula in Carina: Protoplanetary Disks to Starburst Galaxies	Proposal title
observer	Dr. Leisa Townsley	Principal investigator
object	Carina Clusters Ptg 6	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	161.527917	Observer's specified target RA [deg]
dec_targ	-59.519139	Observer's specified target Dec [deg]
ra_nom	161.51754455128	Nominal RA [deg]
dec_nom	-59.525279704122	Nominal Dec [deg]
roll_nom	212.19974216569	Nominal Roll [deg]
revision	2	Processing version of data
ontime	39174.358853877	Sum of GTIs [s]
livetime	38678.309534102	Livetime [s]
ontime0	39174.358973444	Sum of GTIs [s]
ontime1	39174.358883798	Sum of GTIs [s]
ontime2	39174.358973444	Sum of GTIs [s]
ontime3	39174.358853877	Sum of GTIs [s]
ontime6	39177.599854112	Sum of GTIs [s]
ontime7	39177.599854112	Sum of GTIs [s]
l2events	334215	Number of level 2 events



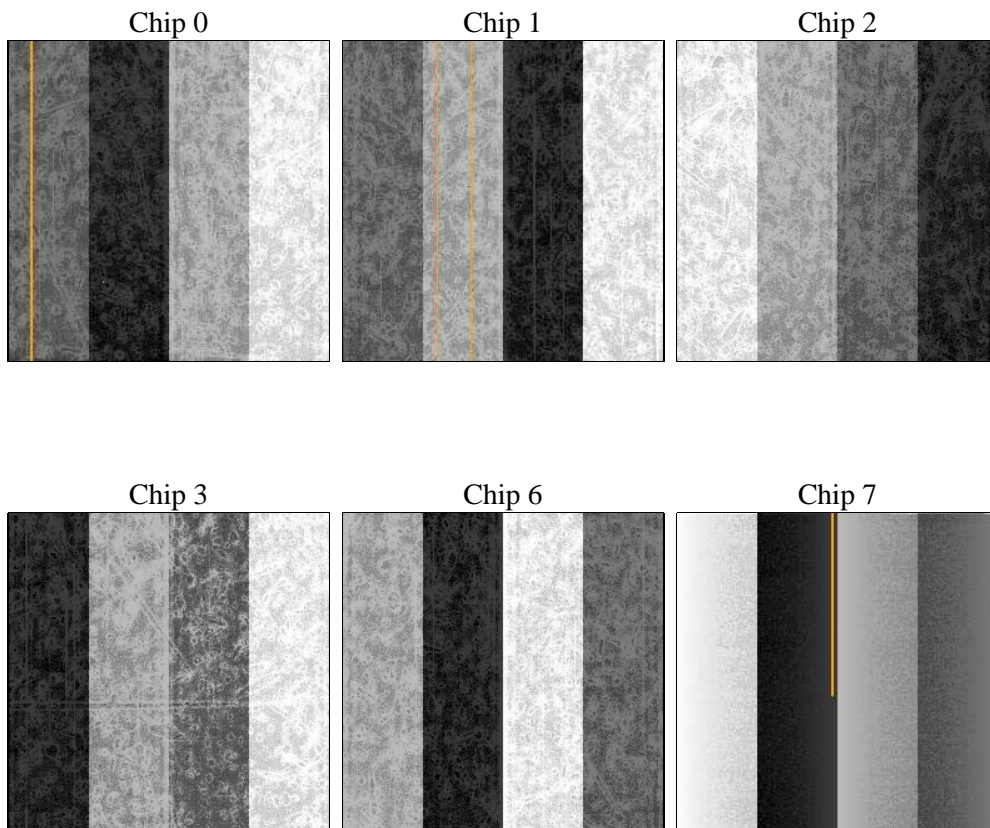
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	39000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	39174.358853877	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	39174.358973444	Sum of GTIs [s]
date	2012-05-18T16:03:43	Date and time of file creation	ontime1	39174.358883798	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	39174.358973444	Sum of GTIs [s]
			ontime3	39174.358853877	Sum of GTIs [s]
			ontime6	39177.599854112	Sum of GTIs [s]
			ontime7	39177.599854112	Sum of GTIs [s]
			l1events	1830935	Number of level 1 events

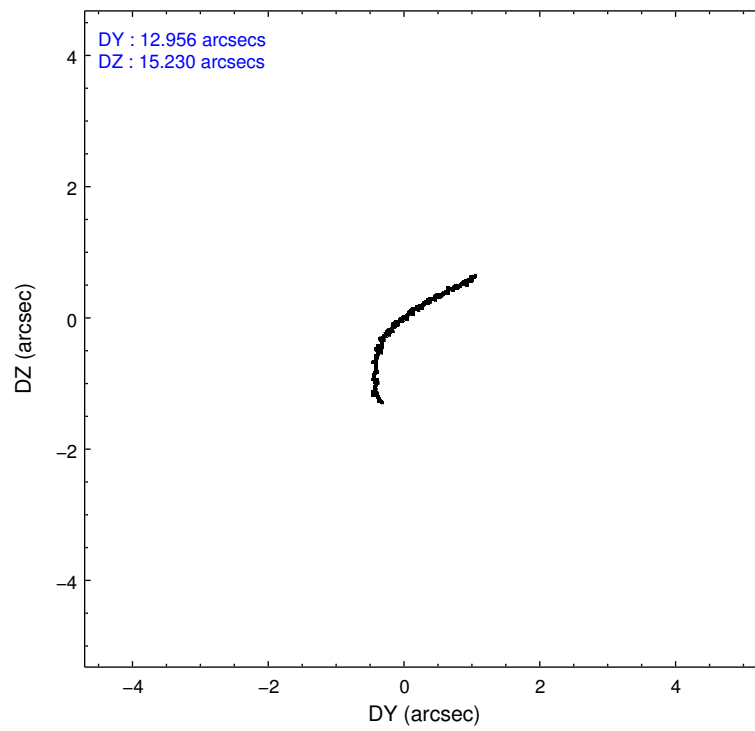
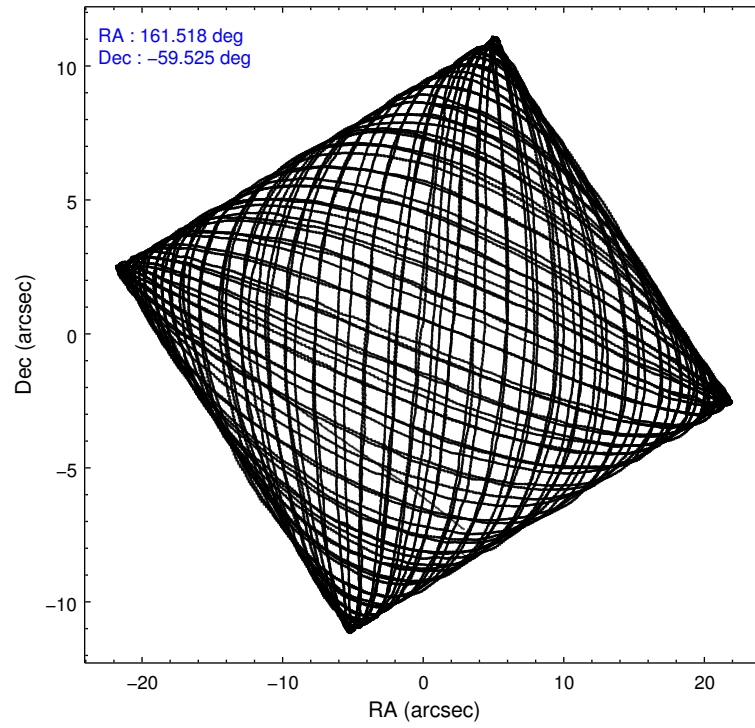
2.1.4 Events

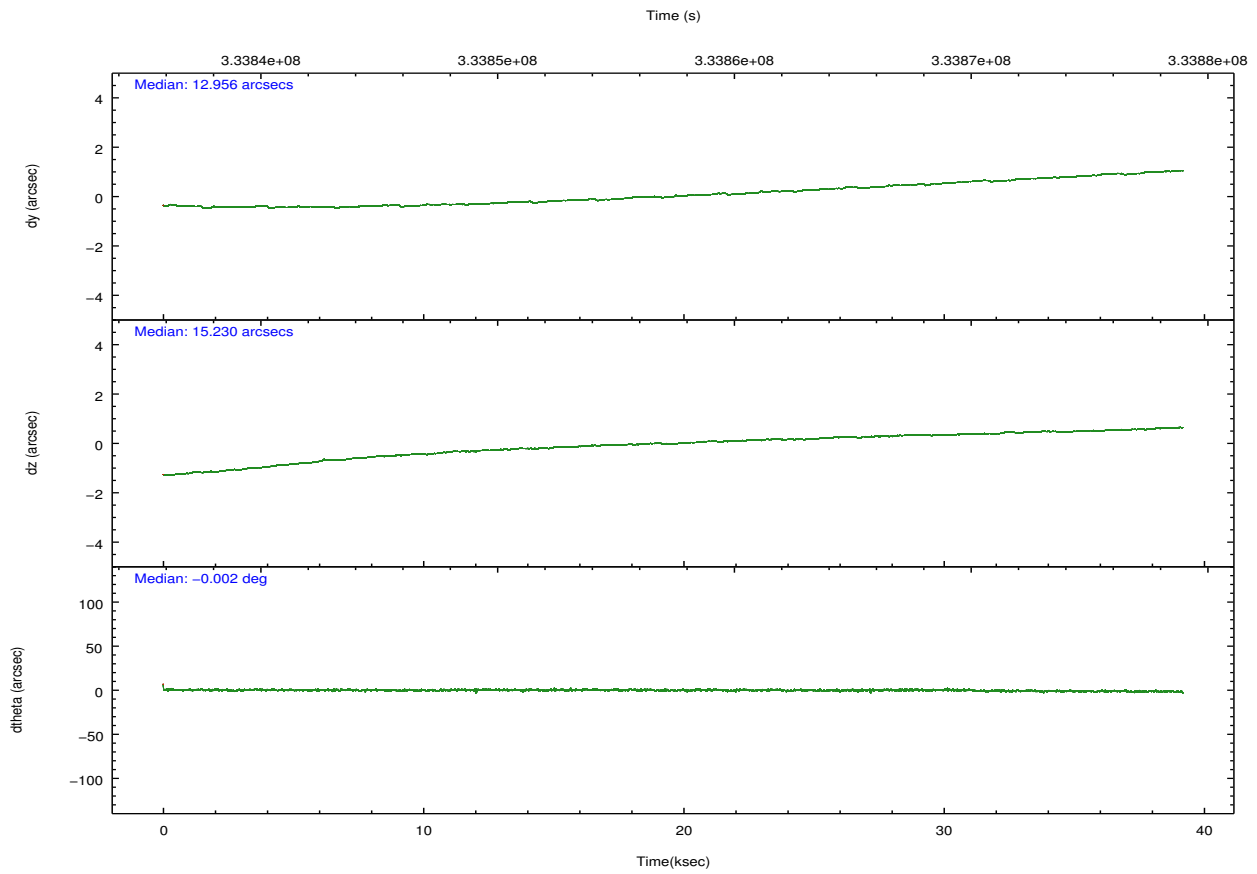
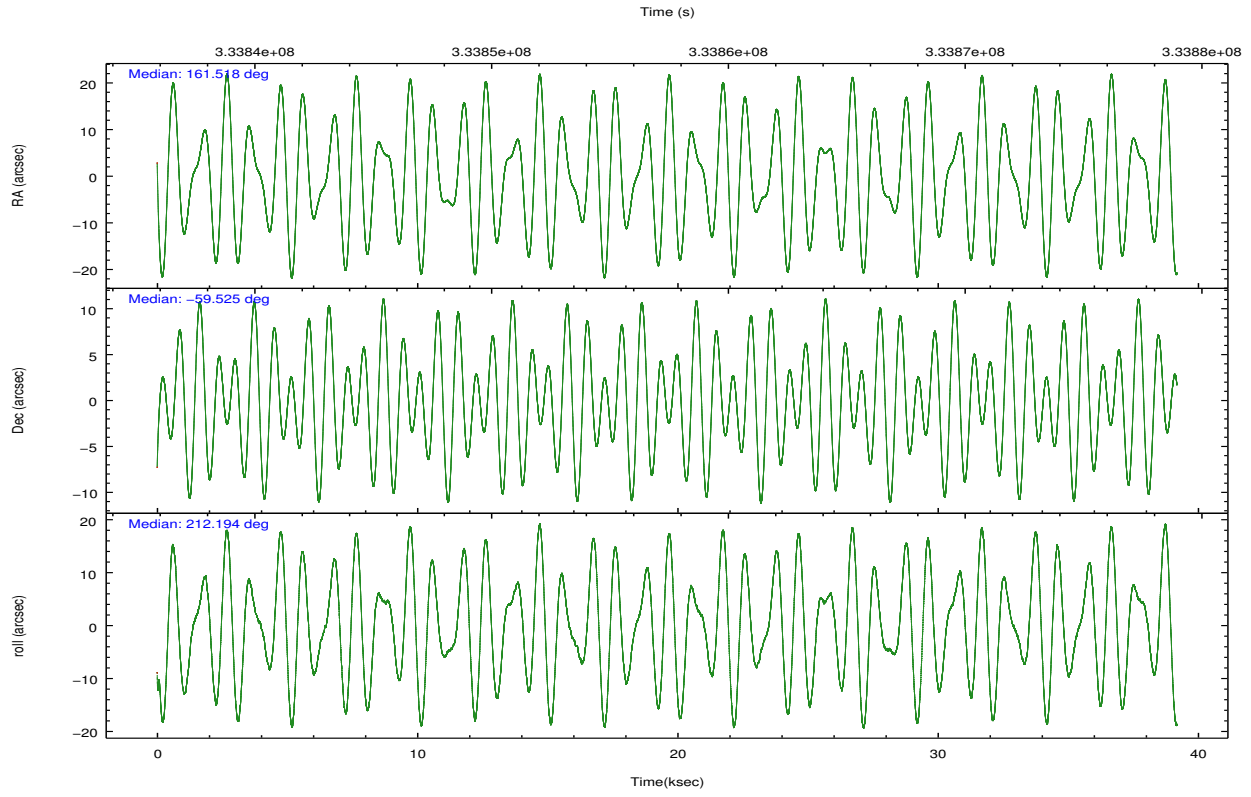
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	288571	292030	317707	295173	326760	310694	grade 0 events	17372	30570	21050	13542	29536	22955
rejected events	251181	240005	277100	263732	275276	144990		6%	10%	6%	4%	9%	7%
rejected %	87%	82%	87%	89%	84%	46%	grade 1 events	219	287	225	201	264	450
								0%	0%	0%	0%	0%	0%
							grade 2 events	7978	7688	7808	6323	8428	36969
								2%	2%	2%	2%	2%	11%
							grade 3 events	3389	3856	3273	3230	3655	16308
								1%	1%	1%	1%	1%	5%
							grade 4 events	3167	3648	3308	3126	3563	15900
								1%	1%	1%	1%	1%	5%
							grade 5 events	8690	9781	7994	10433	10630	30756
								3%	3%	2%	3%	3%	9%
							grade 6 events	5493	6282	5182	5232	6323	73626
								1%	2%	1%	1%	1%	23%
							grade 7 events	242263	229918	268867	253086	264361	113730
								83%	78%	84%	85%	80%	36%

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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	161.542642	161.5175445512793	CCD I2 on	Y	Y
[deg] Pointing Dec	-59.500901	-59.52527970412201	CCD I3 on	Y	Y
[deg] Pointing Roll	212.012683	212.1997421656858	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	333837996.184000	333836917.88188	CCD S5 on	N	N
Observation start date	2008-07-30T20:45:31	2008-07-30T20:28:37	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	333876996.184000	333877848.18389	On-chip summing requested	N	N
Observation end date	2008-07-31T07:35:31	2008-07-31T07:50:48	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



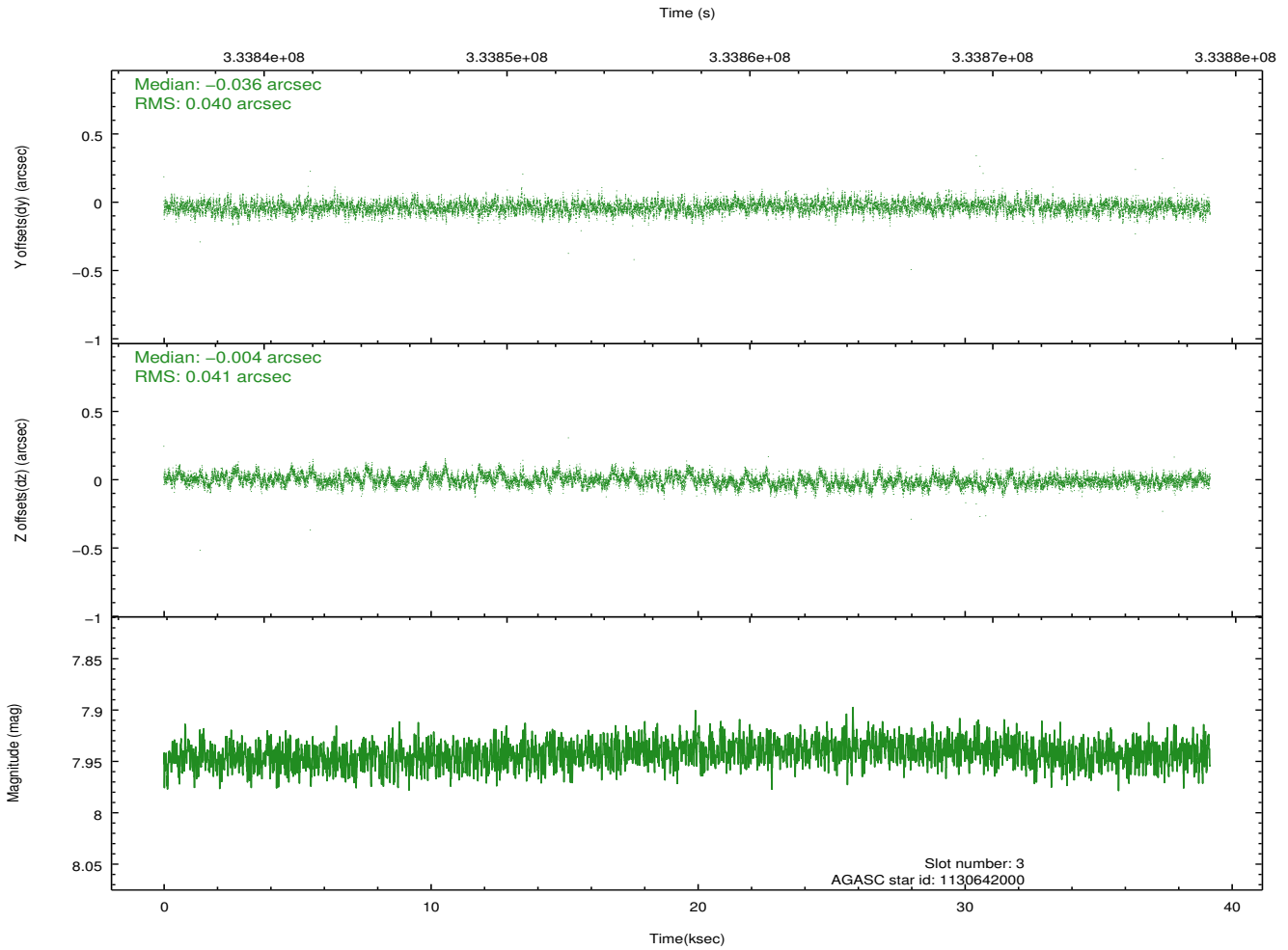
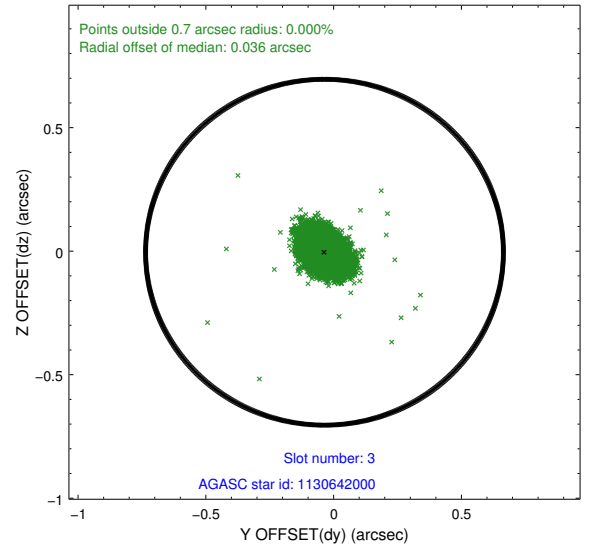
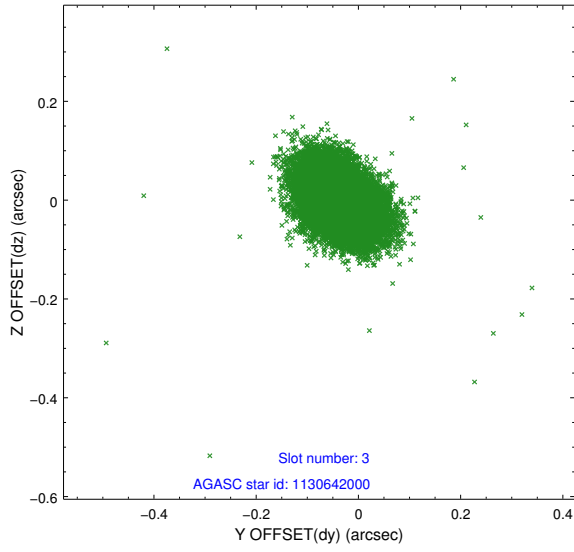


Slot Statistics

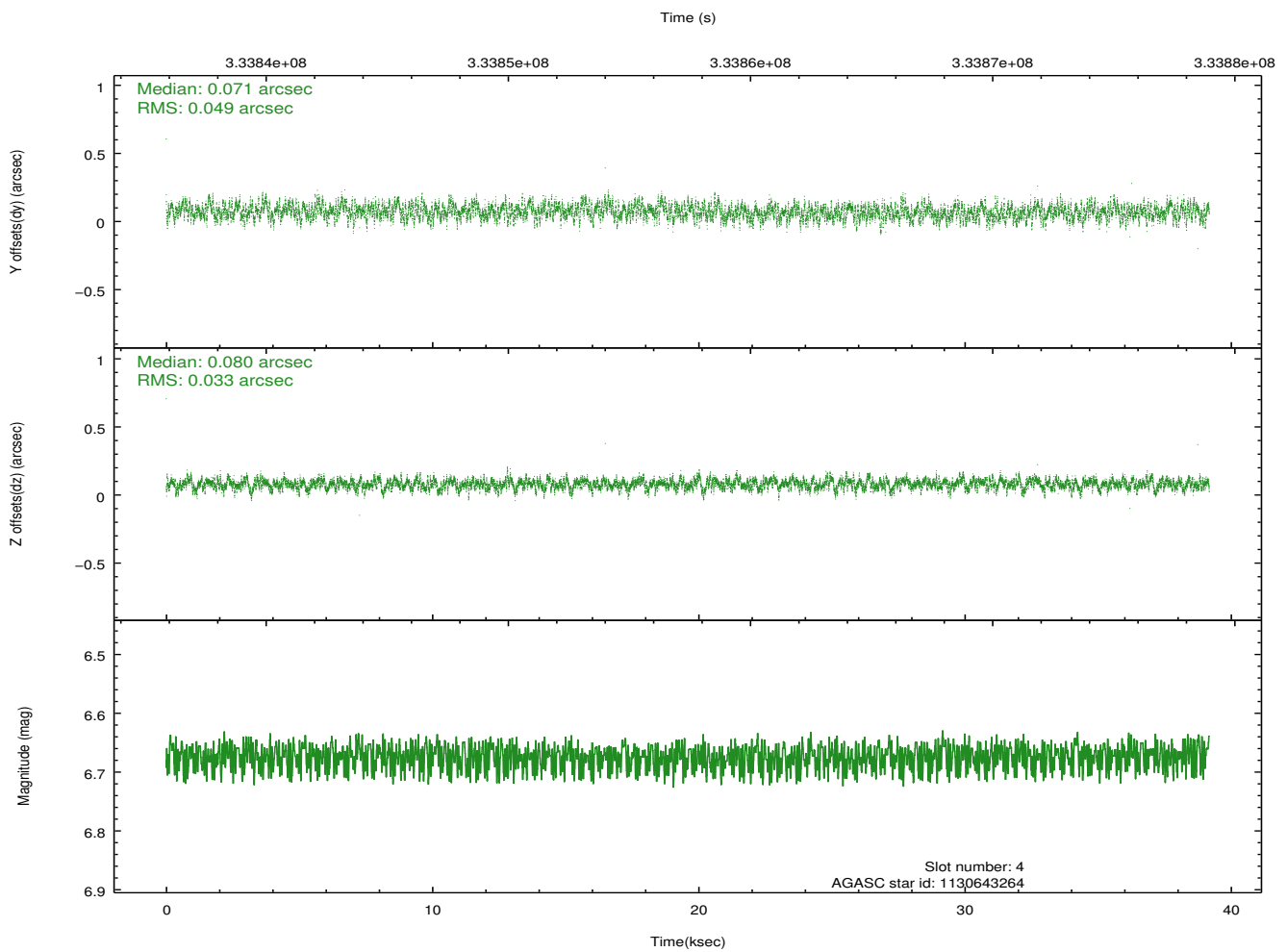
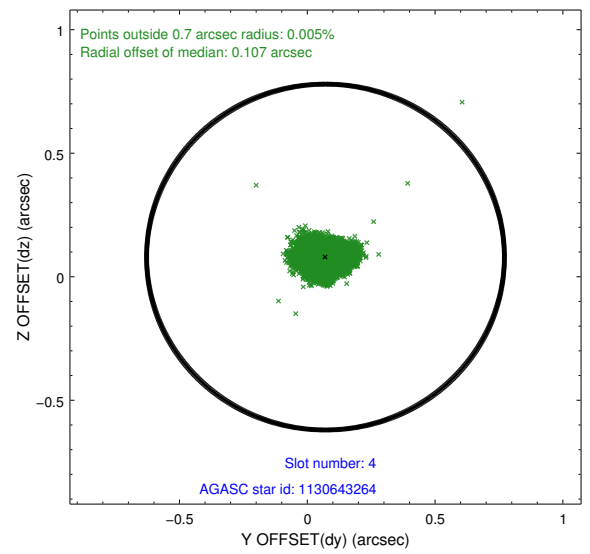
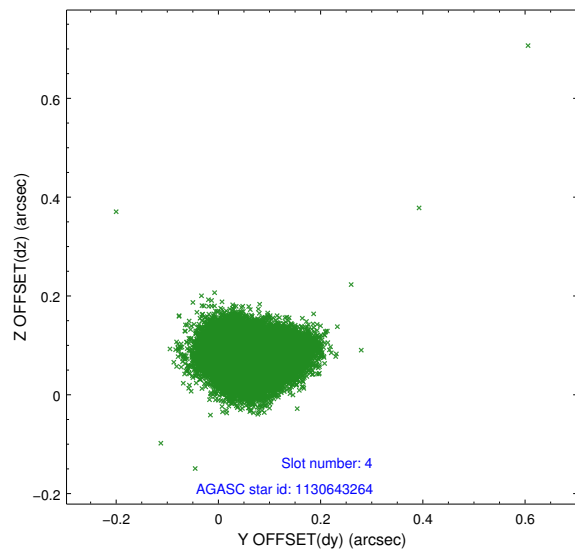
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.93	9558	-0.075	-0.069	0.013	0.024	0.000000	0.000000	-767.80	-845.18
1	FID	ACIS-I-4	6.94	9557	0.168	0.066	0.010	0.018	0.000000	0.000000	2146.49	1061.13
2	FID	ACIS-I-5	6.99	9558	-0.194	0.073	0.012	0.020	0.000000	0.000000	-1821.72	1059.00
3	GUIDE	1130642000	7.94	19109	-0.036	-0.004	0.060	0.100	162.836255	-59.743891	-1513.83	2005.02
4	GUIDE	1130643264	6.67	19115	0.071	0.080	0.062	0.101	160.322990	-59.676912	2226.49	-619.96
5	GUIDE	1130647960	8.63	19094	0.079	-0.118	0.081	0.128	160.287471	-59.247776	1488.13	-1978.78
6	GUIDE	1130636432	8.83	19105	-0.076	0.079	0.081	0.132	162.263589	-58.895452	-2288.22	-1131.34
7	GUIDE	1174033144	8.40	19105	-0.039	-0.036	0.069	0.112	161.168741	-60.059230	1636.09	1350.09

2.4 Star Slots

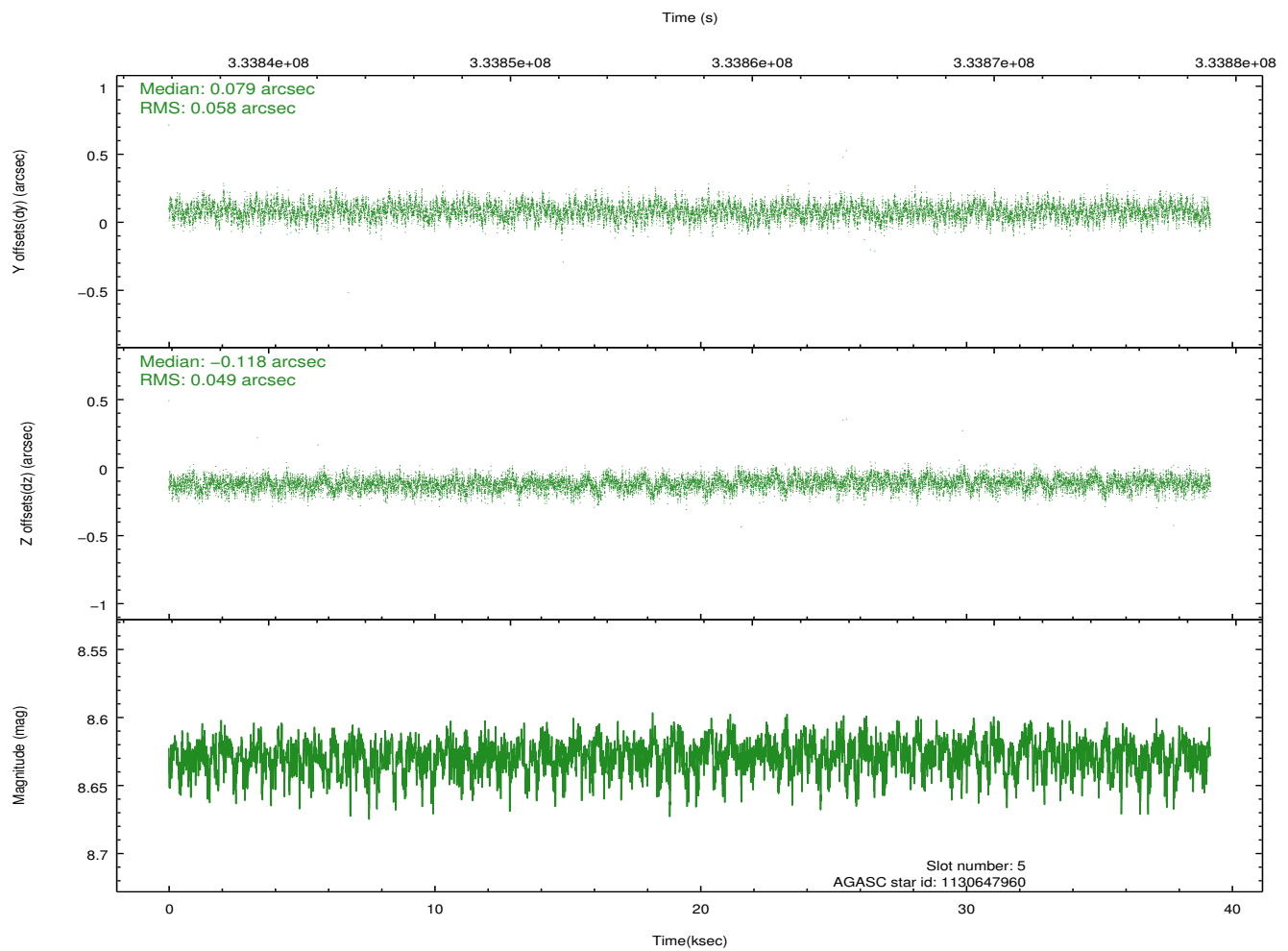
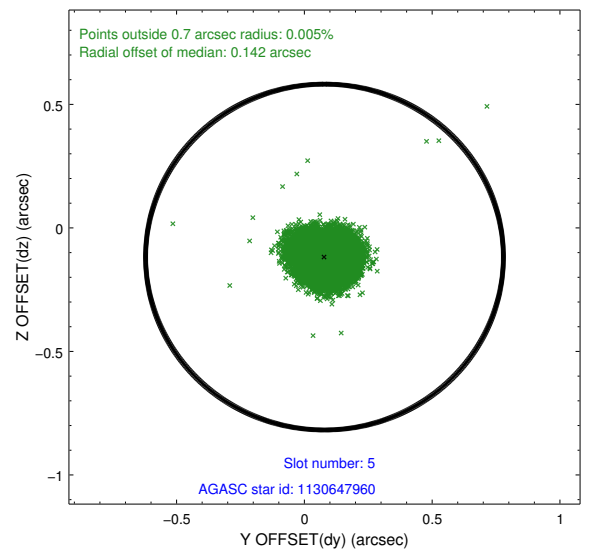
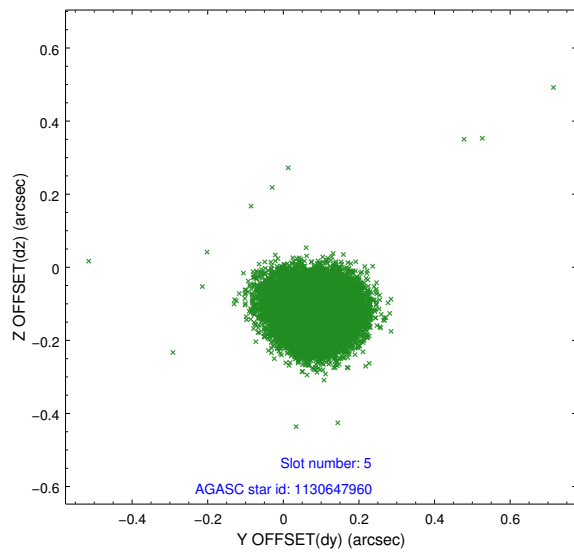
2.4.1 Slot 3



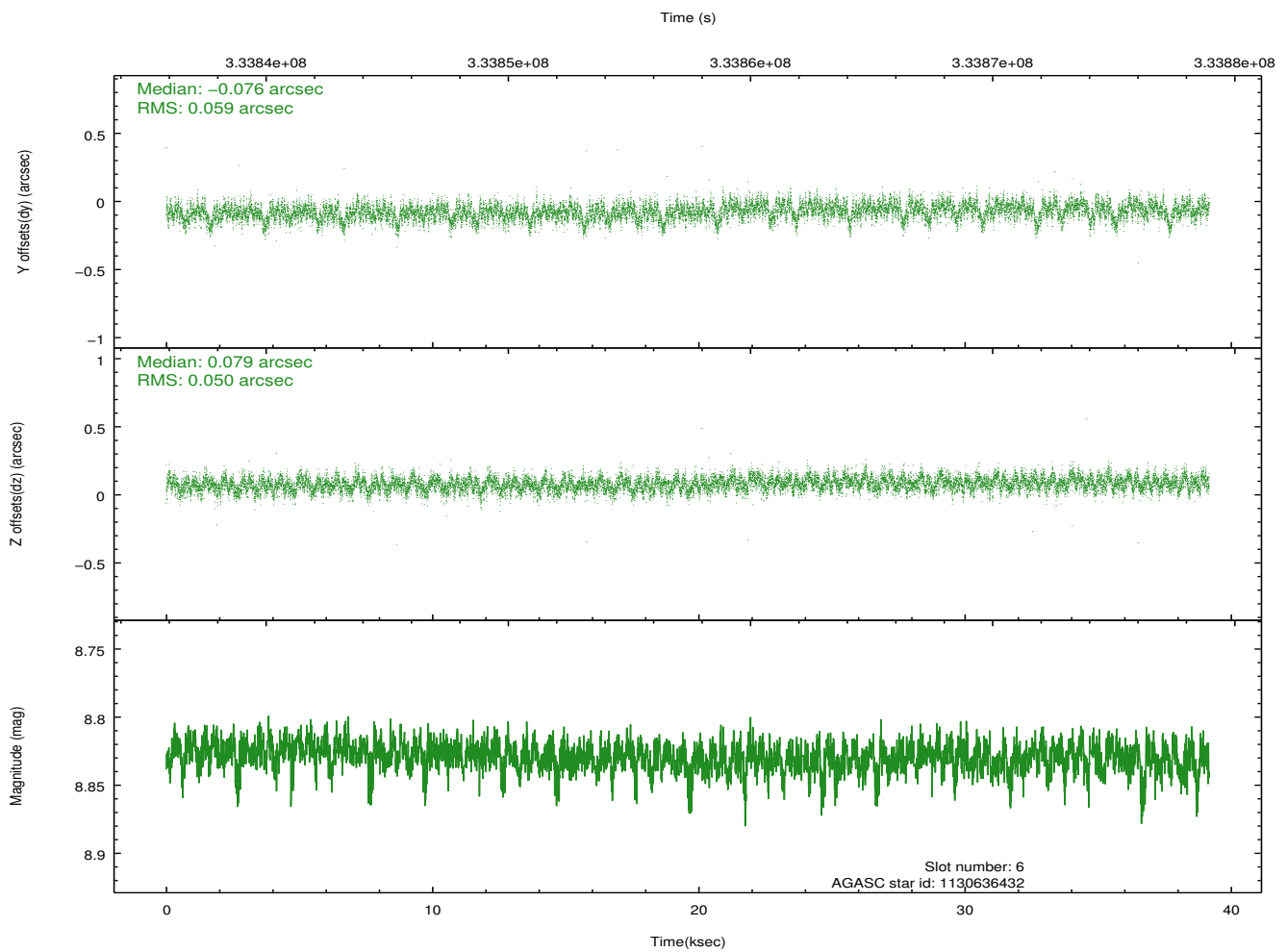
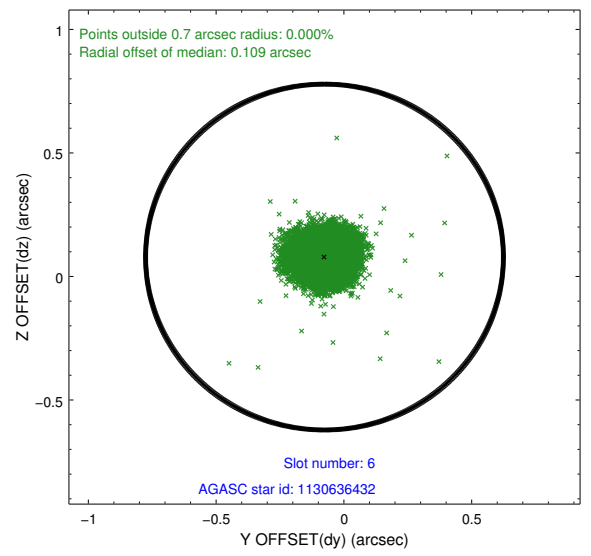
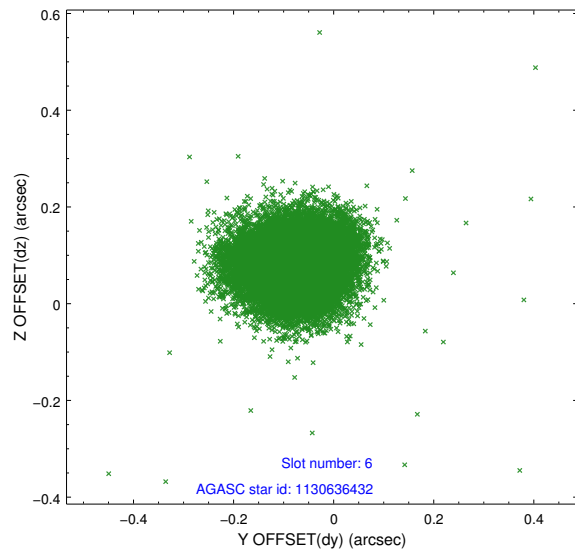
2.4.2 Slot 4



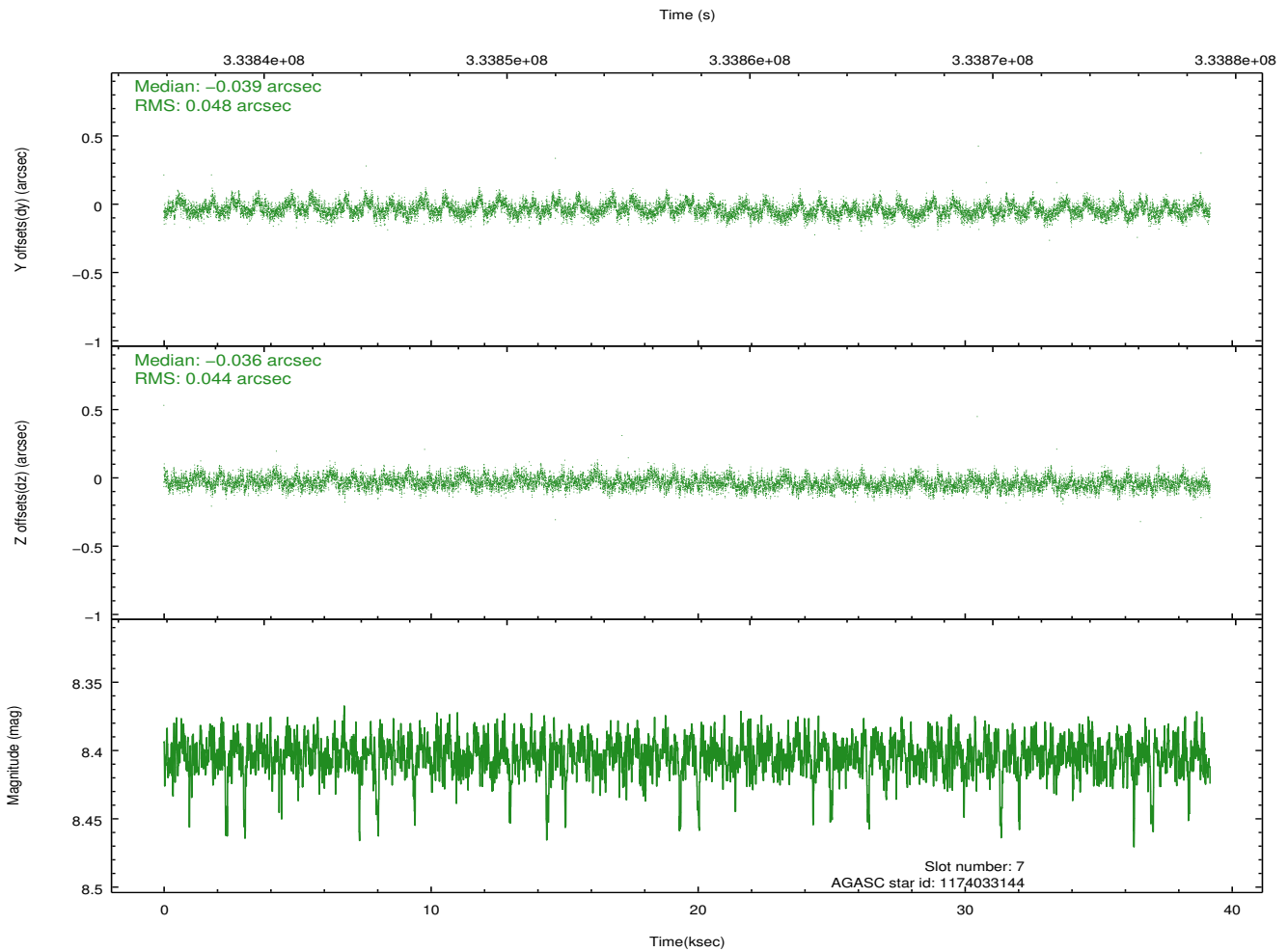
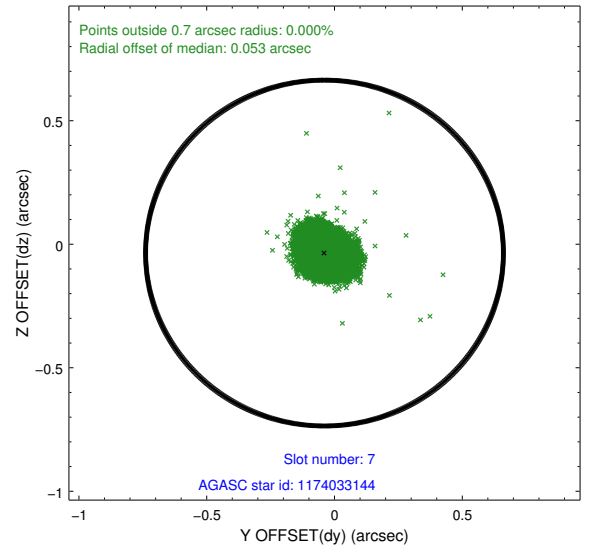
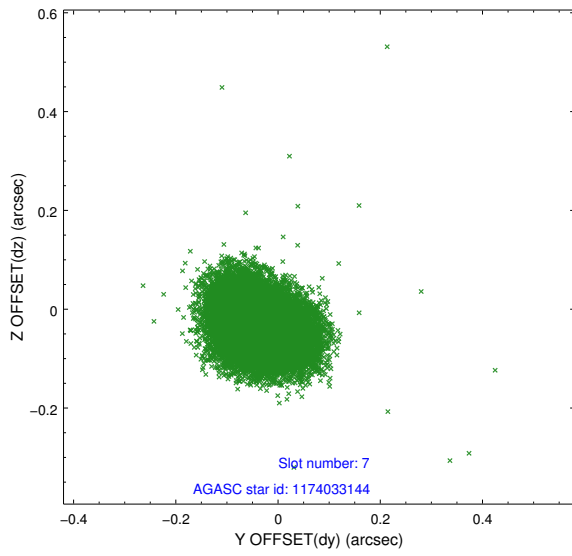
2.4.3 Slot 5



2.4.4 Slot 6

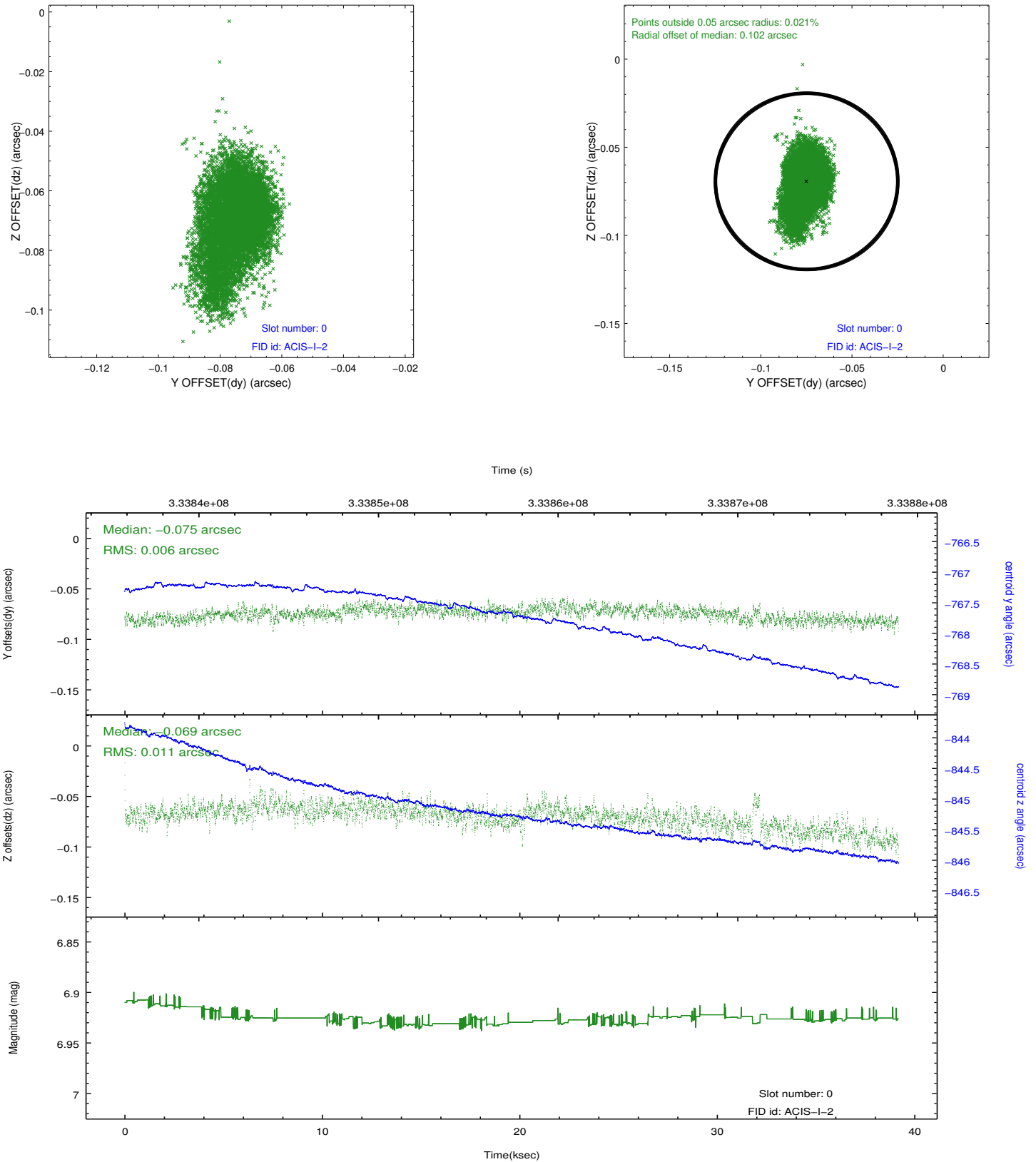


2.4.5 Slot 7

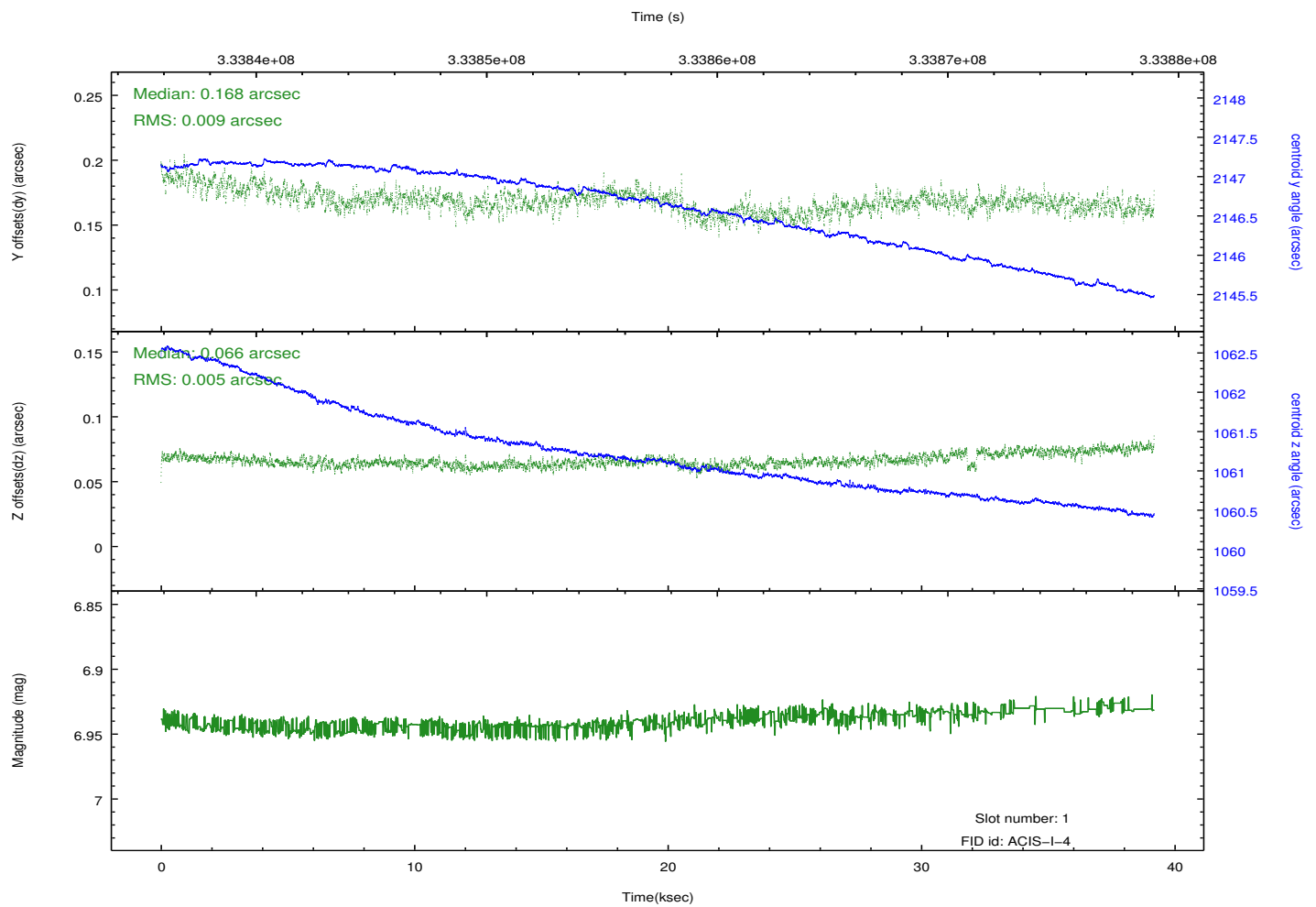
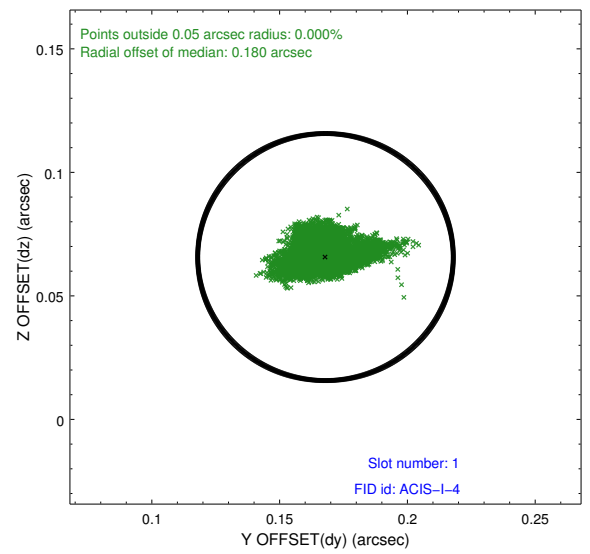
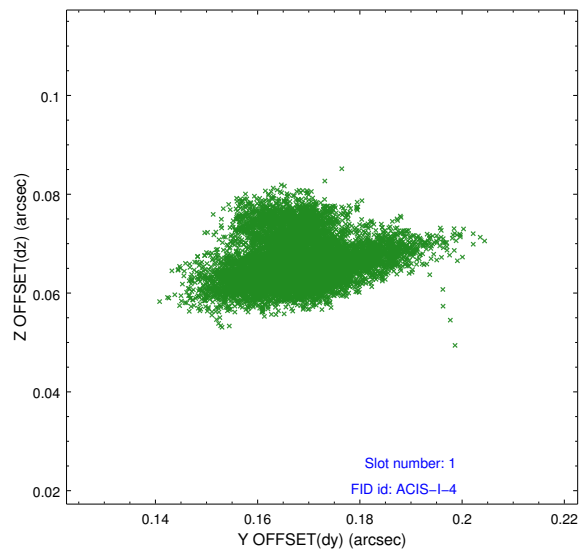


2.5 FID Slots

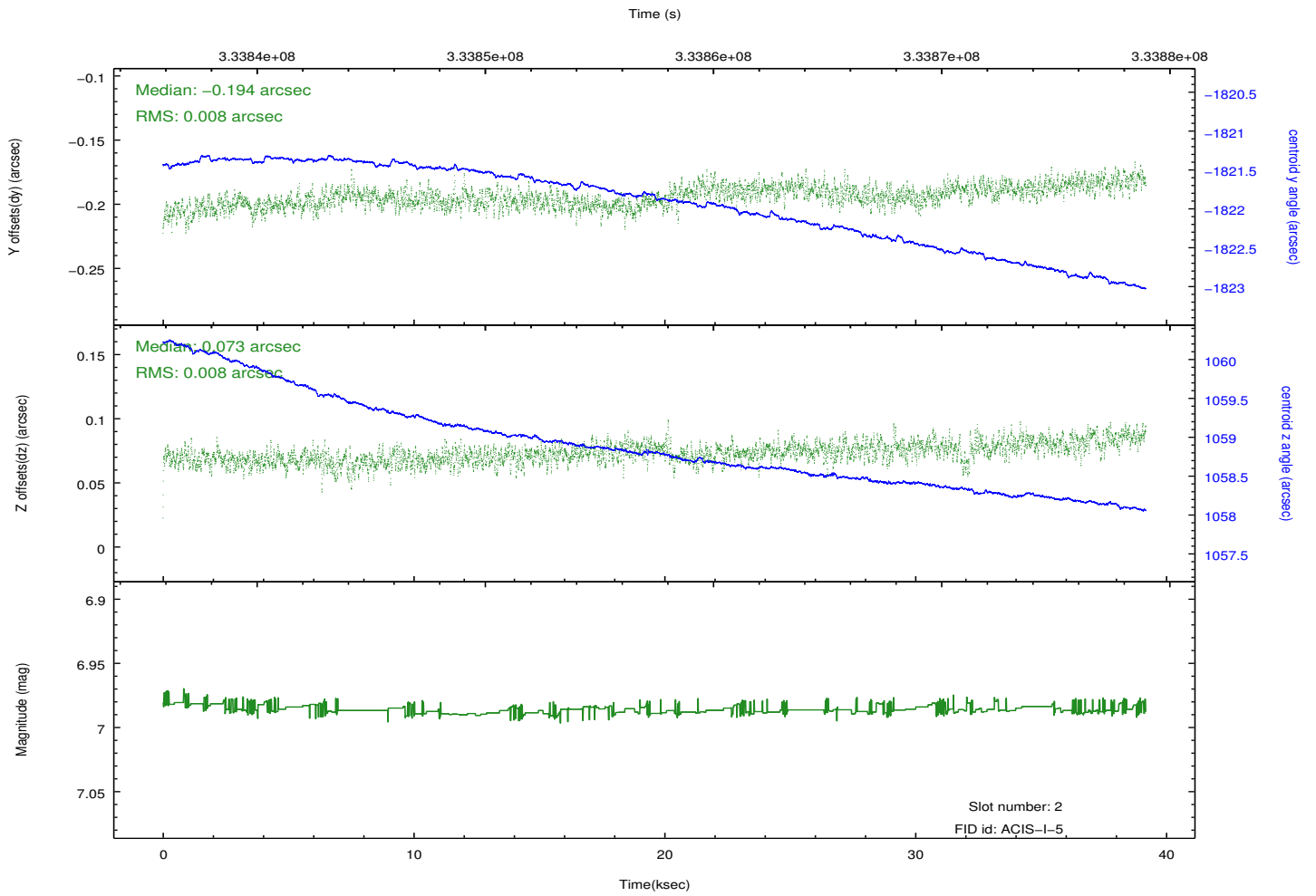
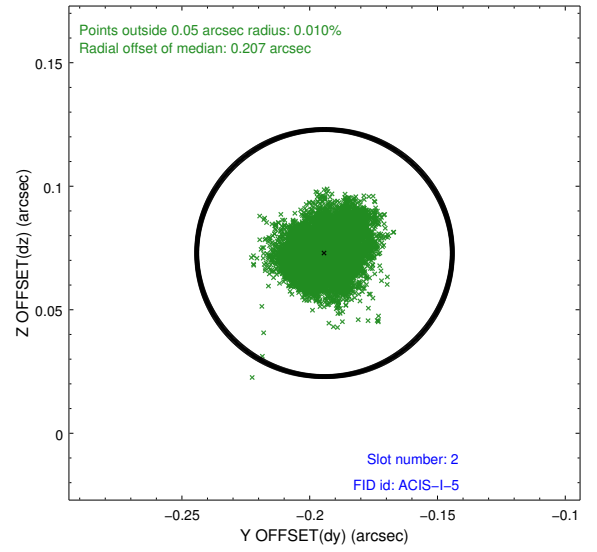
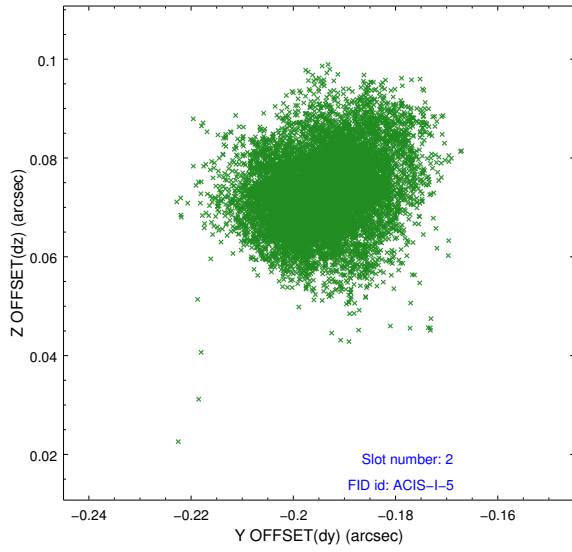
2.5.1 Slot 0



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)	2012.05.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.1743588

A.2 Comments