

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9481 - L2 Version 2
Chandra X-Ray Center

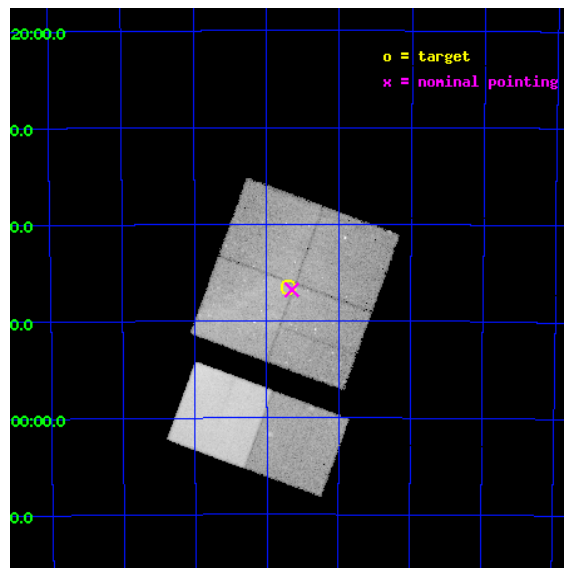
L2 Processing Date : May 20 2012

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1 Front

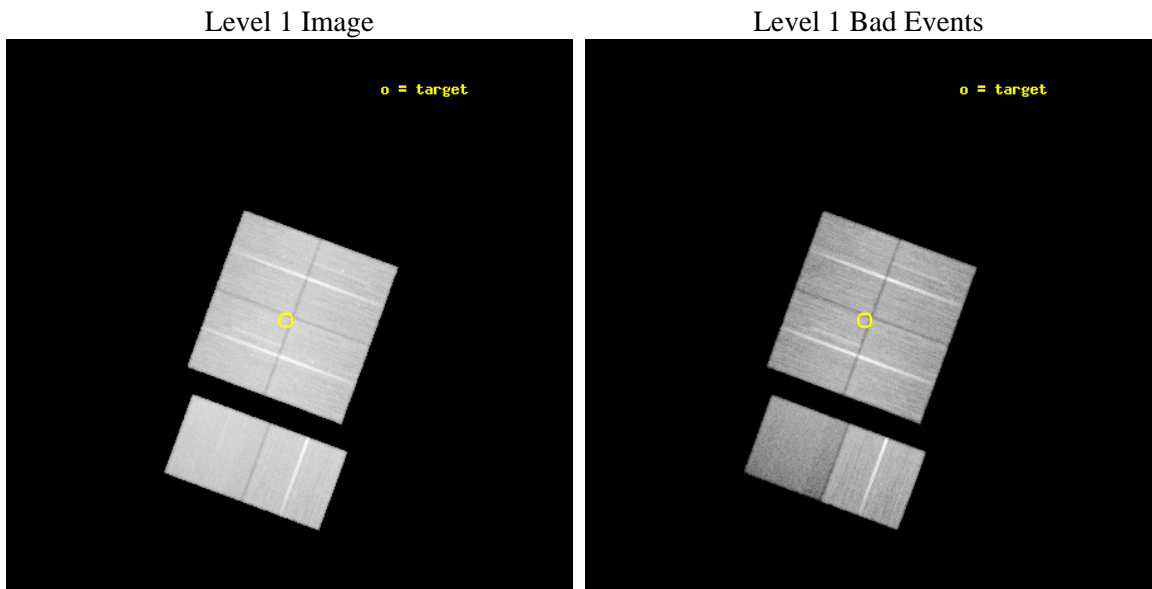
seq_num	900818	Sequence number
obs_id	9481	Observation id
title	The Great Nebula in Carina: Protoplanetary Disks to Starburst Galaxies (GTO component)	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	Carina Clusters Ptg 1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	160.675417	Observer's specified target RA [deg]
dec_targ	-59.774944	Observer's specified target Dec [deg]
ra_nom	160.66267348526	Nominal RA [deg]
dec_nom	-59.779868342193	Nominal Dec [deg]
roll_nom	200.19767229004	Nominal Roll [deg]
revision	2	Processing version of data
ontime	45155.158861458	Sum of GTIs [s]
livetime	44583.377050782	Livetime [s]
ontime0	45155.158861518	Sum of GTIs [s]
ontime1	45145.435940564	Sum of GTIs [s]
ontime2	45151.917950928	Sum of GTIs [s]
ontime3	45155.158861458	Sum of GTIs [s]
ontime6	45151.917881191	Sum of GTIs [s]
ontime7	45158.399831831	Sum of GTIs [s]
l2events	405618	Number of level 2 events



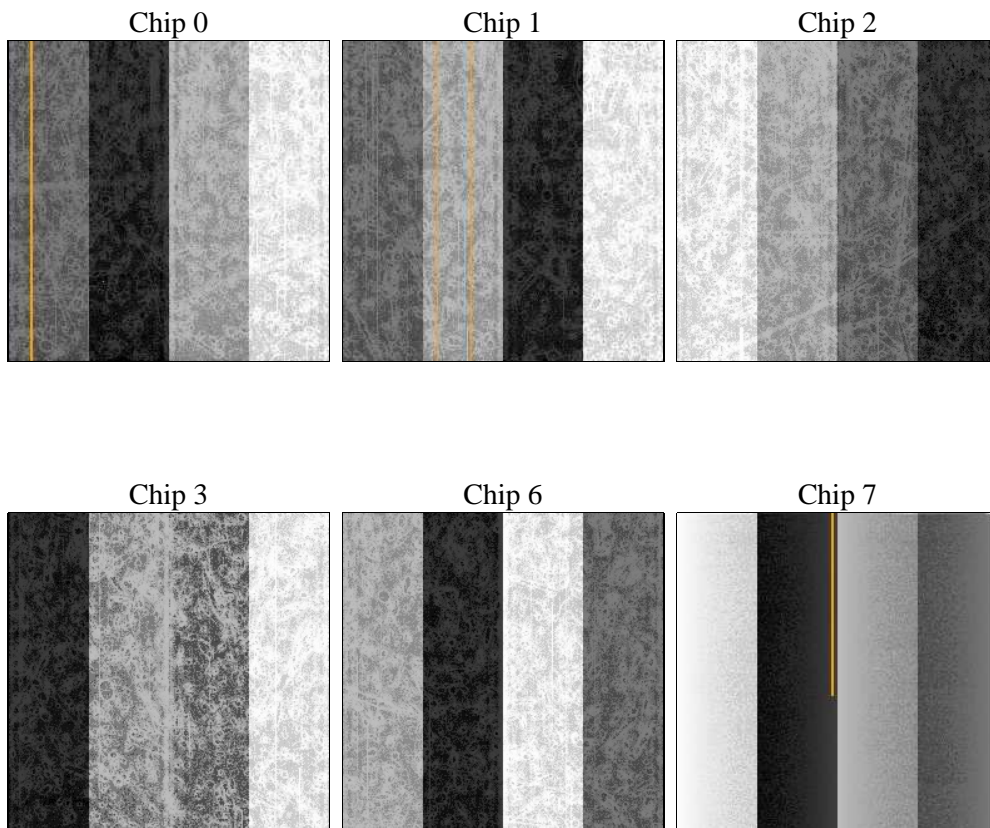
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	45000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	45155.158861458	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	45155.158861518	Sum of GTIs [s]
date	2012-05-20T08:03:09	Date and time of file creation	ontime1	45145.435940564	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	45151.917950928	Sum of GTIs [s]
			ontime3	45155.158861458	Sum of GTIs [s]
			ontime6	45151.917881191	Sum of GTIs [s]
			ontime7	45158.399831831	Sum of GTIs [s]
			l1events	2093273	Number of level 1 events

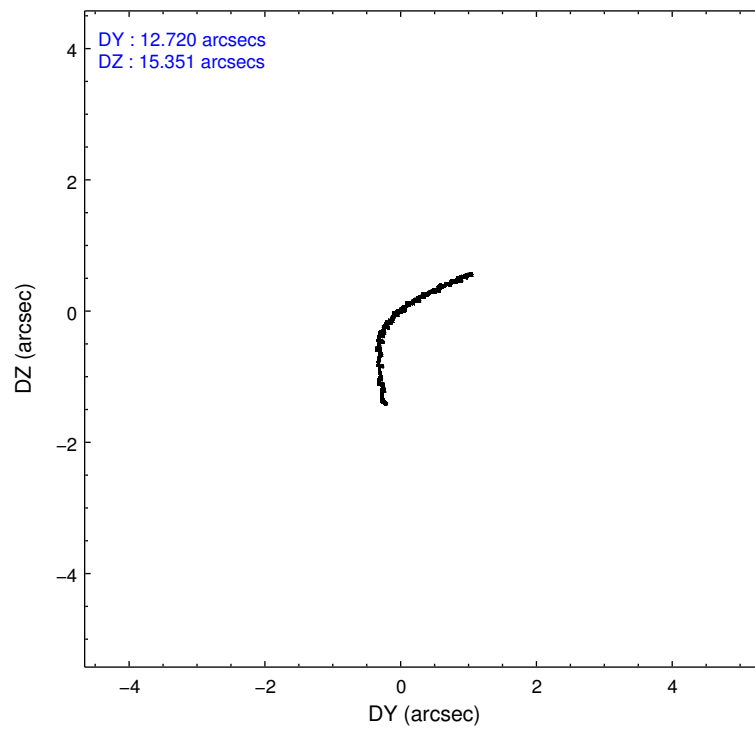
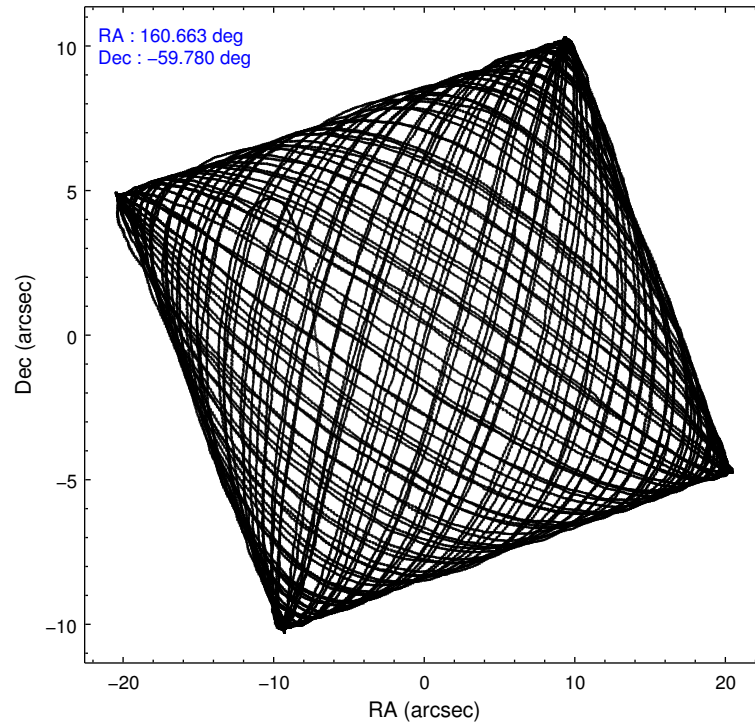
2.1.4 Events

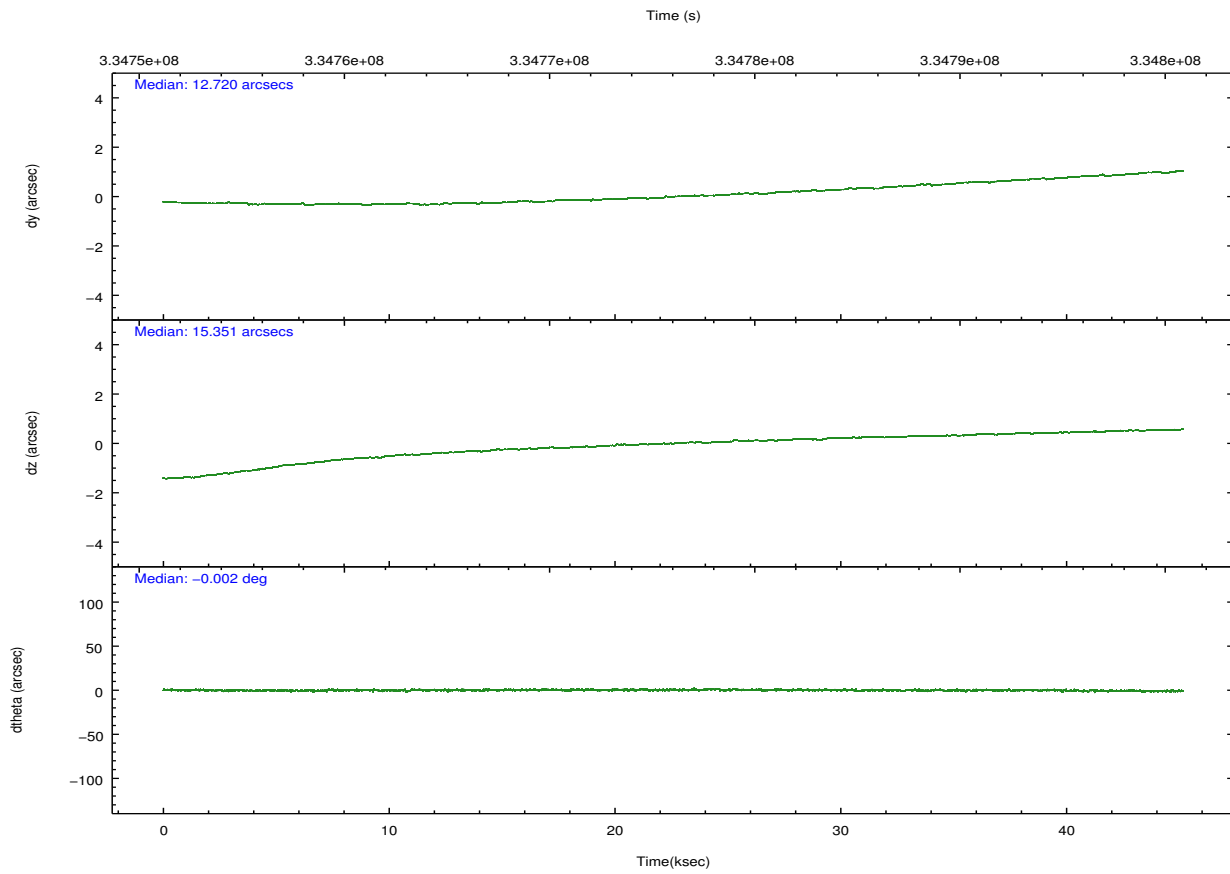
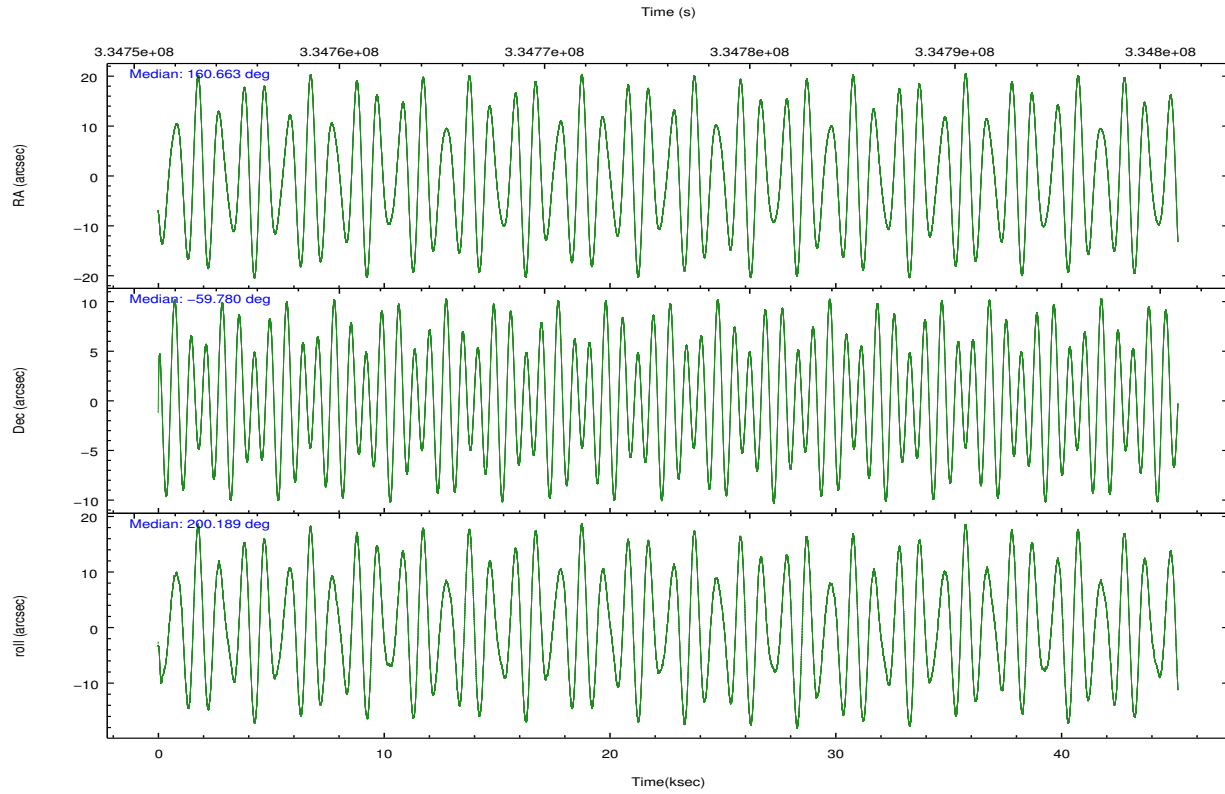
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	327005	319289	373784	363802	357809	351584	grade 0 events	22337	25381	28056	43917	21976	25880
rejected events	282105	269871	323541	296361	312329	164067		6%	7%	7%	12%	6%	7%
rejected %	86%	84%	86%	81%	87%	46%	grade 1 events	227	219	281	359	225	469
								0%	0%	0%	0%	0%	0%
							grade 2 events	9037	8838	9037	9353	8611	41706
								2%	2%	2%	2%	2%	11%
							grade 3 events	3898	4214	3660	4102	3911	18520
								1%	1%	0%	1%	1%	5%
							grade 4 events	3554	4011	3794	4021	3741	18263
								1%	1%	1%	1%	1%	5%
							grade 5 events	9989	10991	9131	11751	12218	35560
								3%	3%	2%	3%	3%	10%
							grade 6 events	6101	7000	5714	6086	7255	83221
								1%	2%	1%	1%	2%	23%
							grade 7 events	271862	258635	314111	284213	299872	127965
								83%	81%	84%	78%	83%	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	160.697456	160.6626734852555	CCD I2 on	Y	Y
[deg] Pointing Dec	-59.758666	-59.77986834219302	CCD I3 on	Y	Y
[deg] Pointing Roll	200.019046	200.1976722900411	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)	334753592.184000	334752521.21426	CCD S5 on	N	N
Observation start date	2008-08-10T11:05:27	2008-08-10T10:48:41	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	334798592.184000	334799488.76657	On-chip summing requested	N	N
Observation end date	2008-08-10T23:35:27	2008-08-10T23:51:28	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



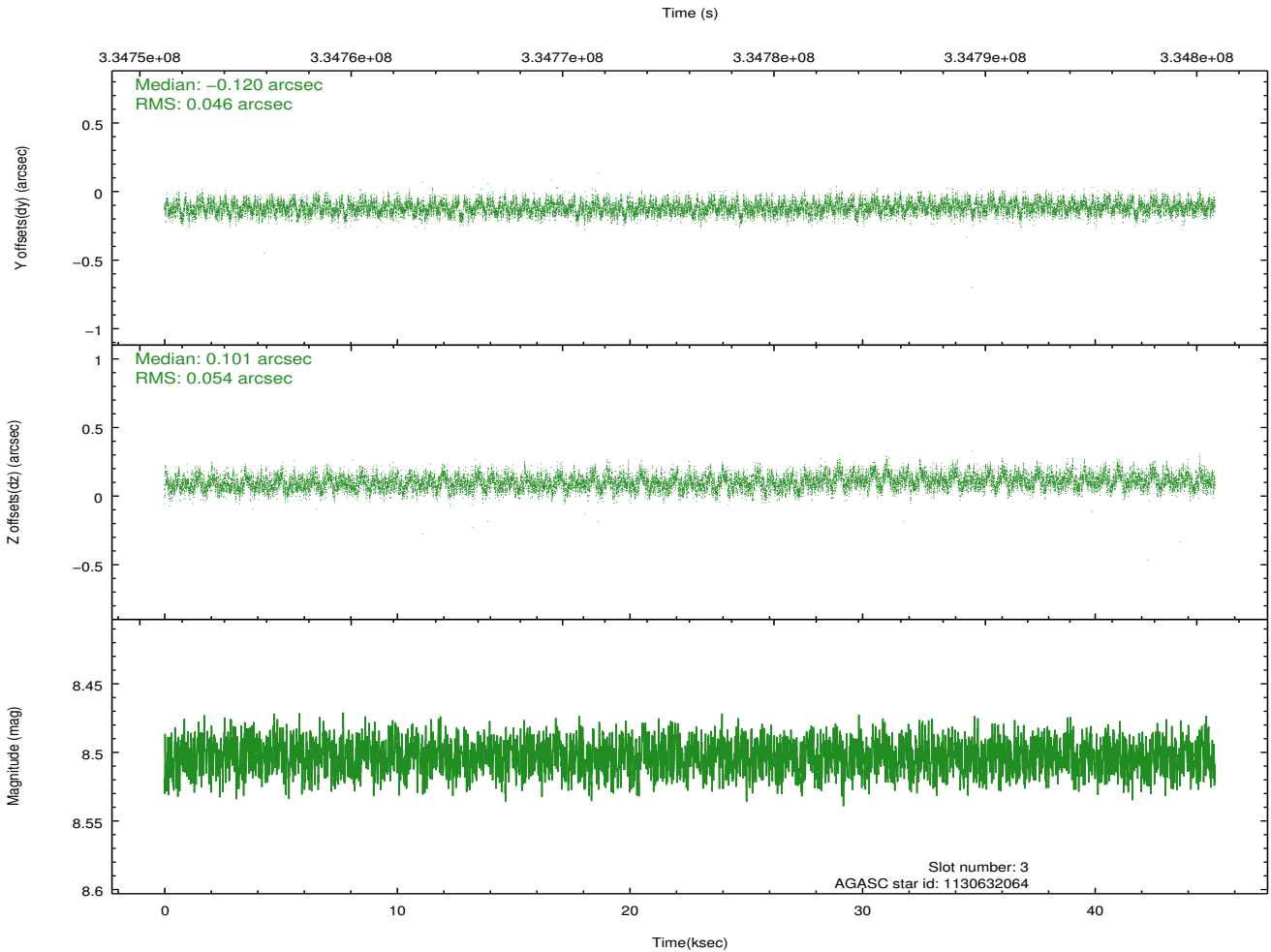
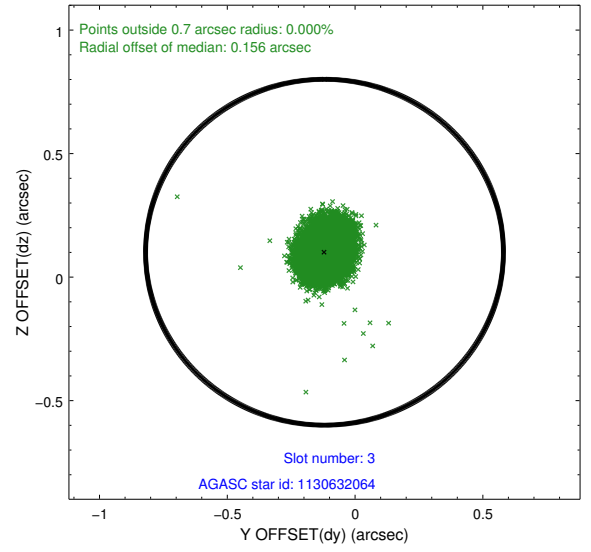
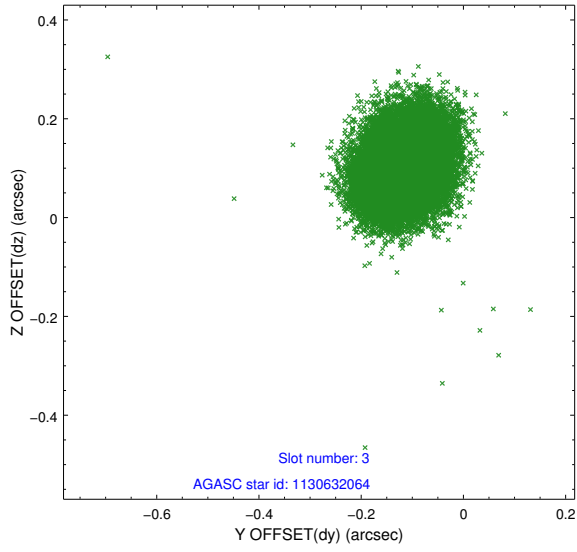


Slot Statistics

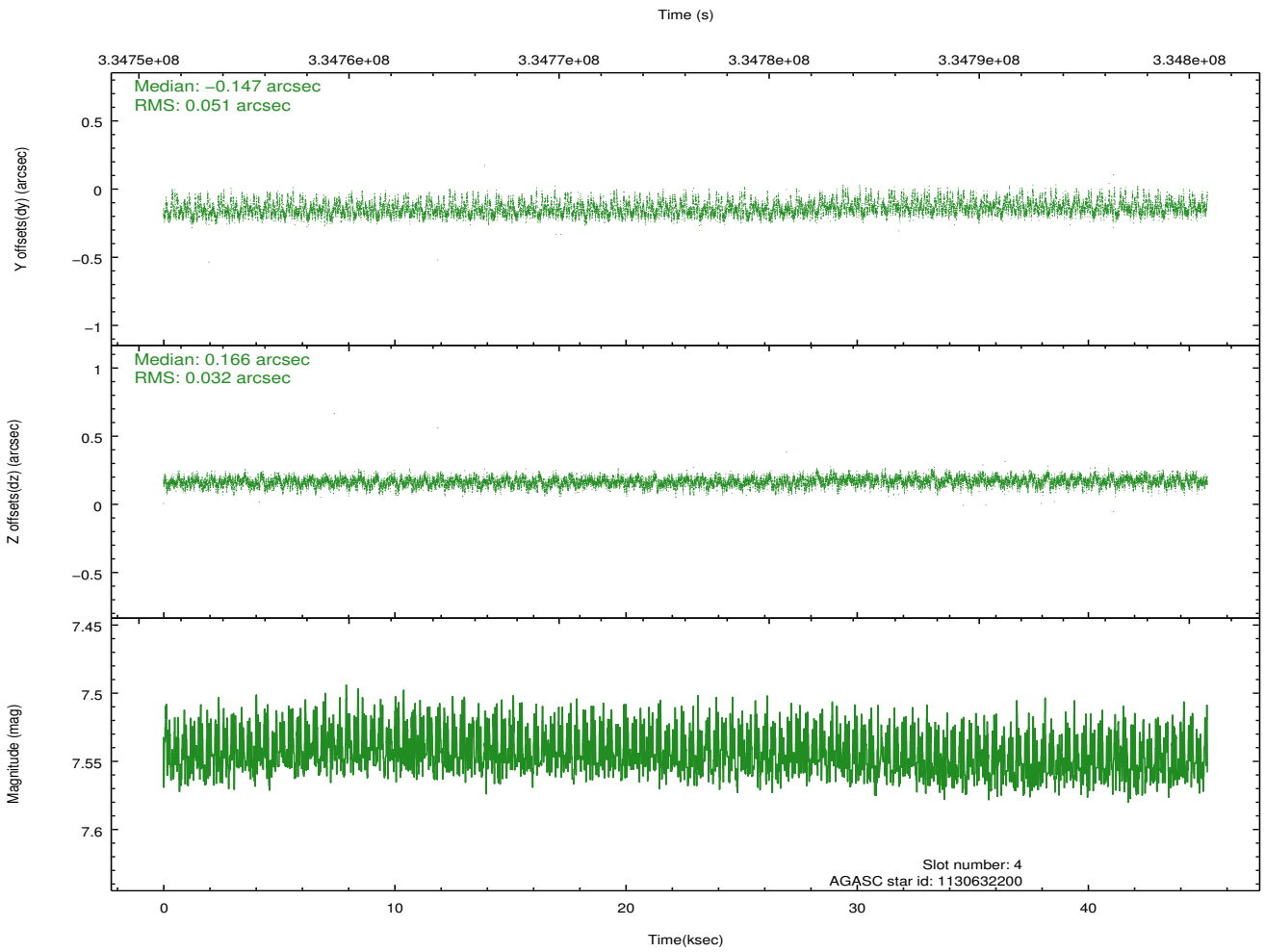
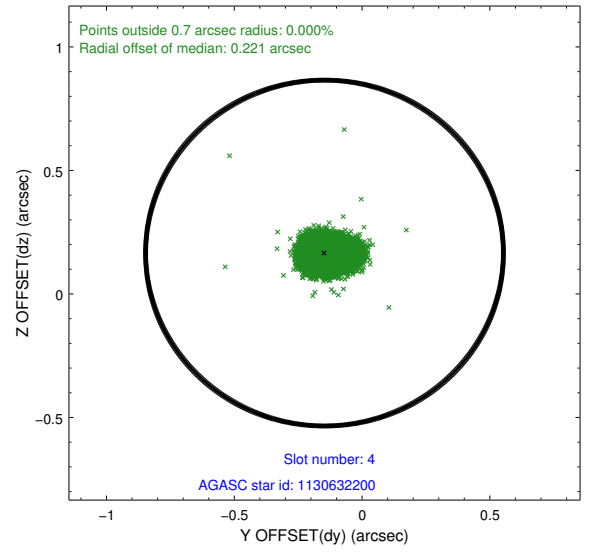
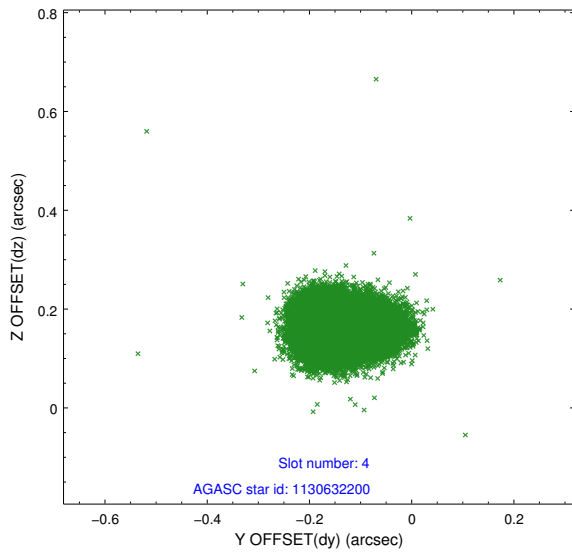
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.00	11016	-0.025	-0.003	0.036	0.054	0.000000	0.000000	926.66	-838.82
1	FID	ACIS-I-4	6.94	11015	0.139	0.037	0.022	0.033	0.000000	0.000000	2146.85	1061.03
2	FID	ACIS-I-5	6.99	11016	-0.214	0.037	0.017	0.025	0.000000	0.000000	-1821.54	1058.86
3	GUIDE	1130632064	8.50	22027	-0.120	0.101	0.075	0.119	160.452382	-59.130948	-347.59	-2277.35
4	GUIDE	1130632200	7.54	21985	-0.147	0.166	0.063	0.106	161.433843	-59.407820	-1697.31	-718.03
5	GUIDE	1128936264	8.78	22020	0.371	-0.125	0.106	0.170	159.160090	-59.355205	2165.22	-2299.56
6	GUIDE	1174020200	8.32	22025	-0.067	-0.071	0.063	0.101	160.489138	-60.487295	1245.21	2338.72
7	GUIDE	1174012960	7.13	21962	-0.039	-0.071	0.060	0.094	160.855674	-60.332270	442.06	2037.16

2.4 Star Slots

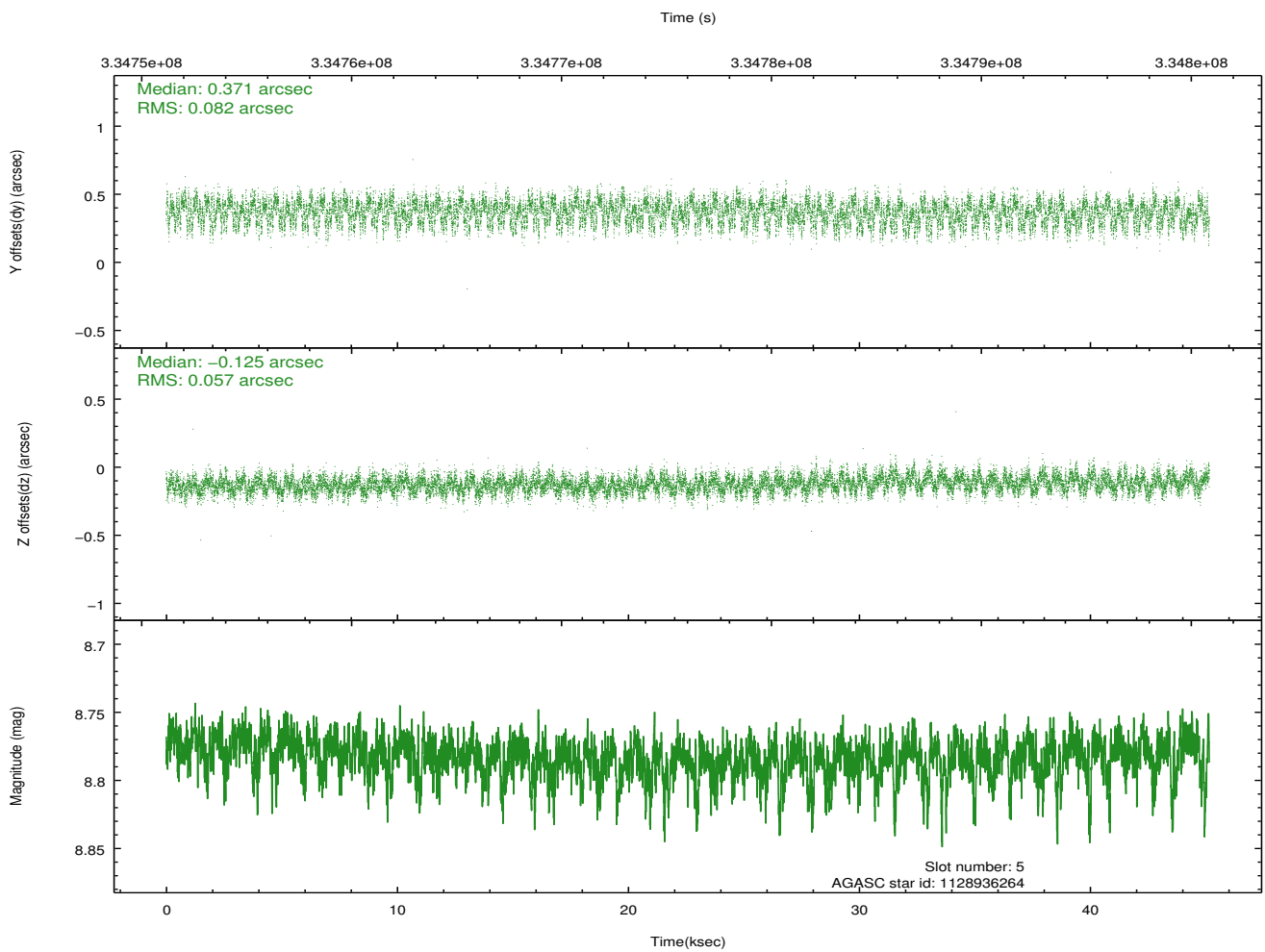
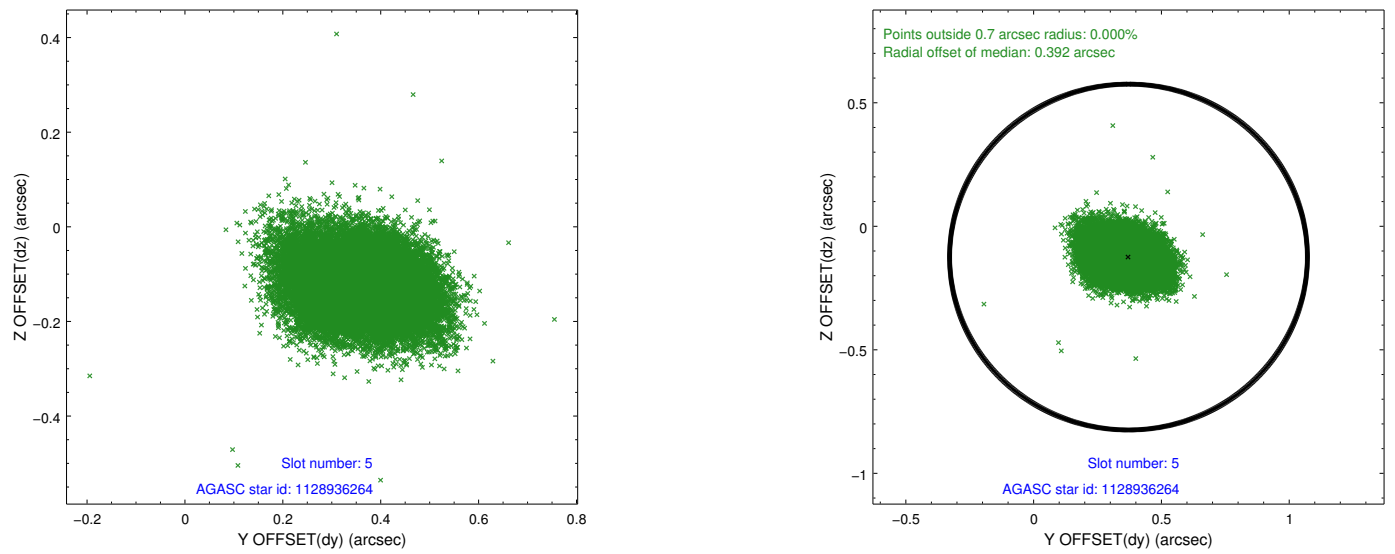
2.4.1 Slot 3



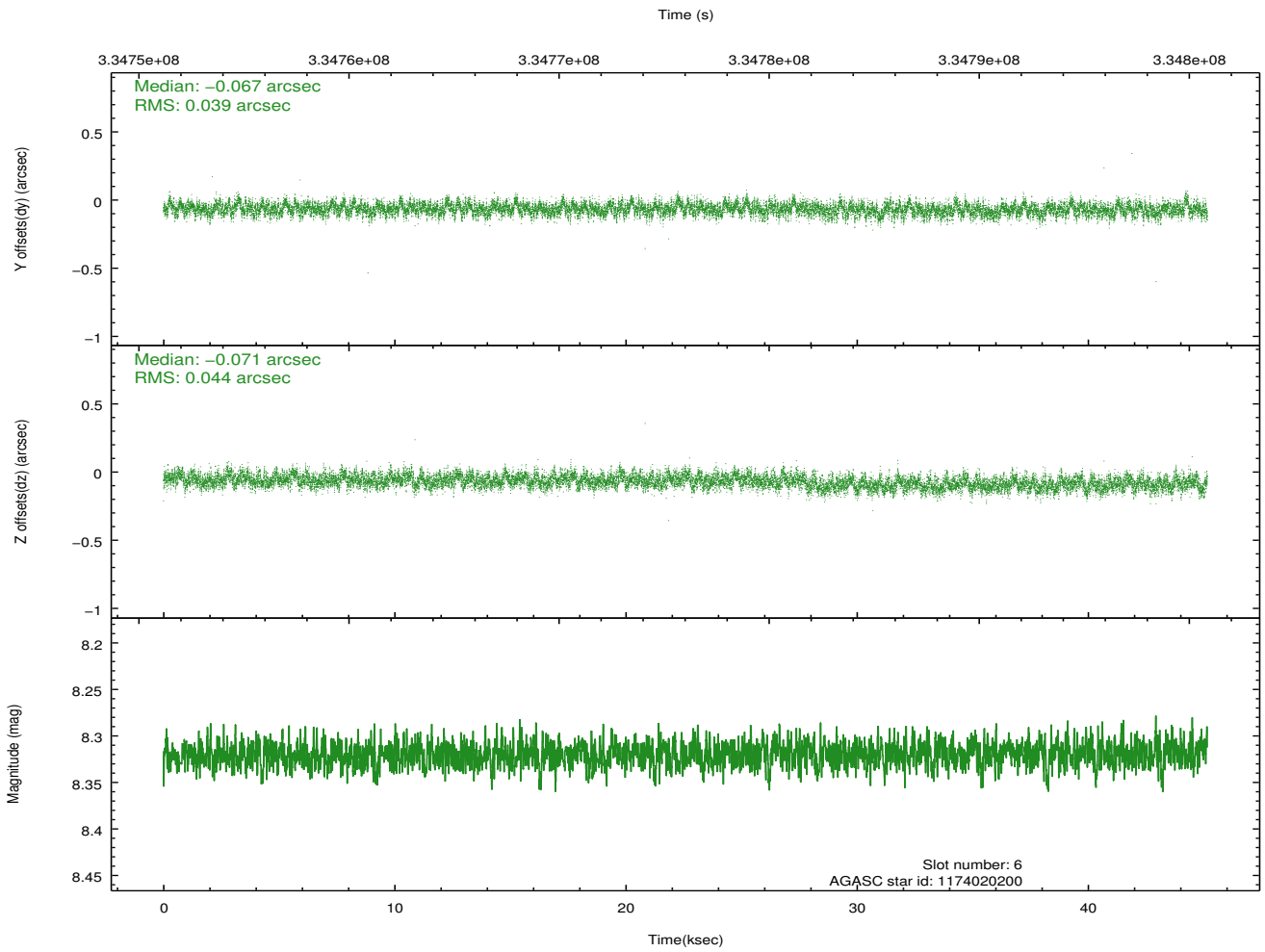
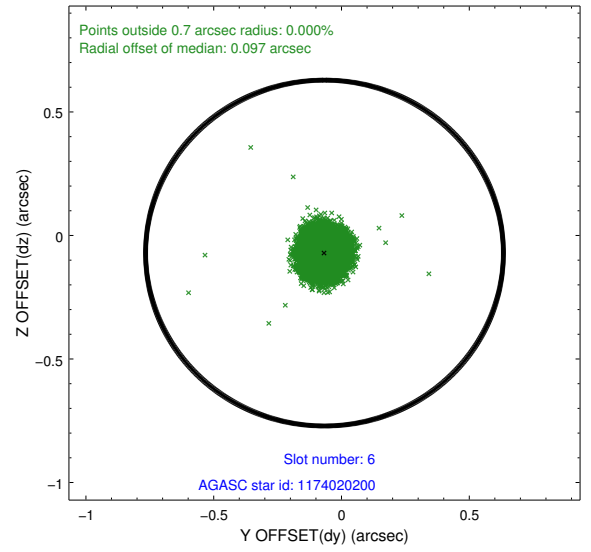
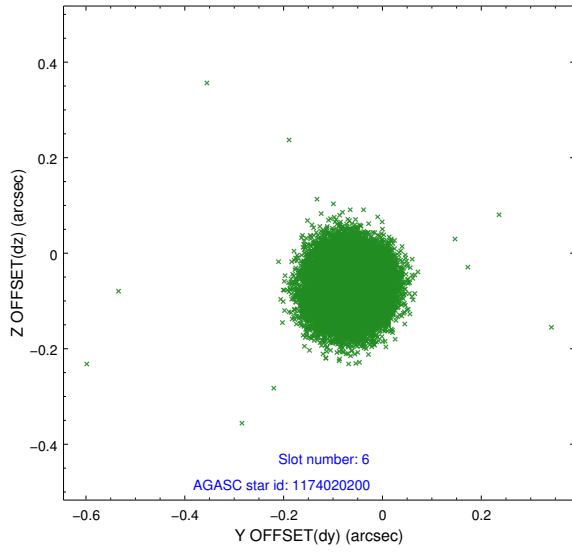
2.4.2 Slot 4



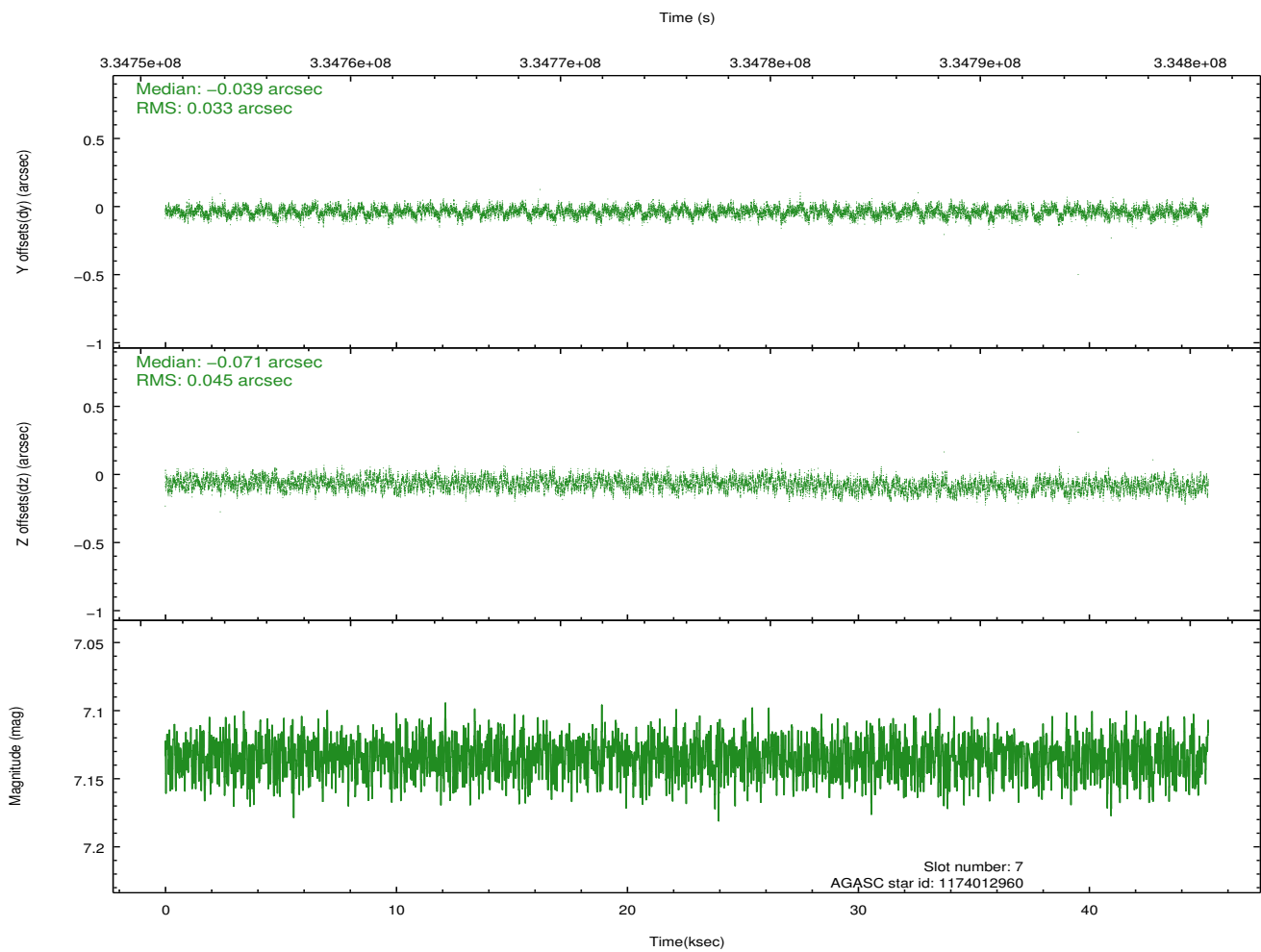
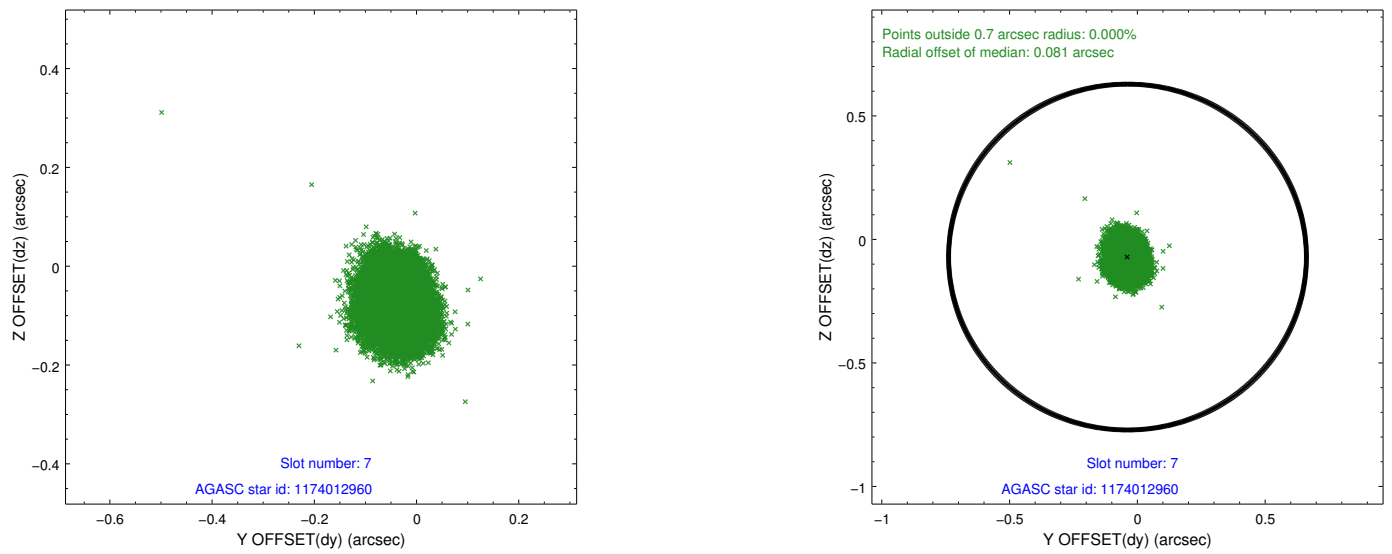
2.4.3 Slot 5



2.4.4 Slot 6

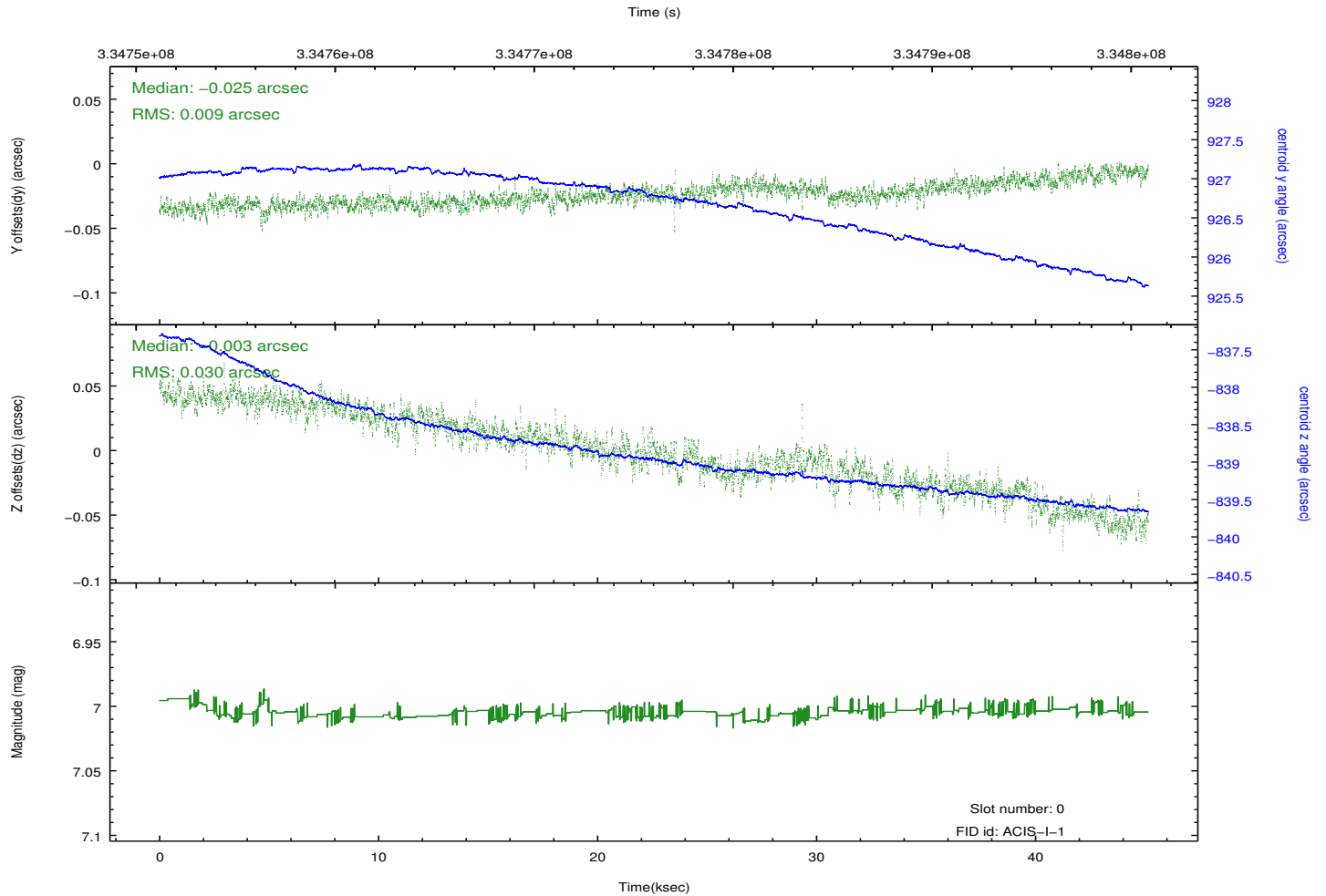
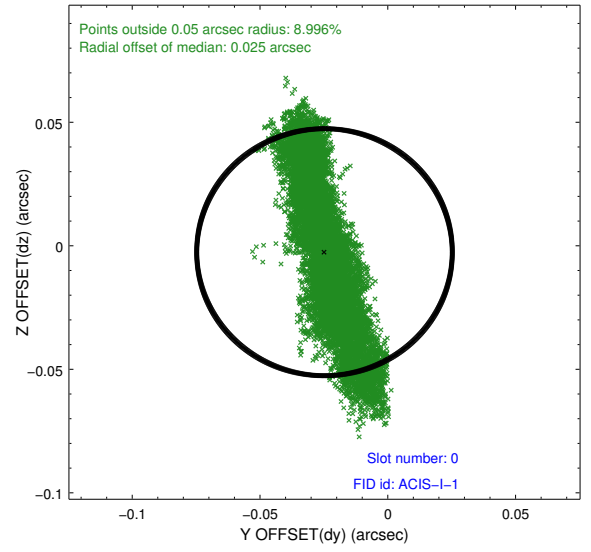
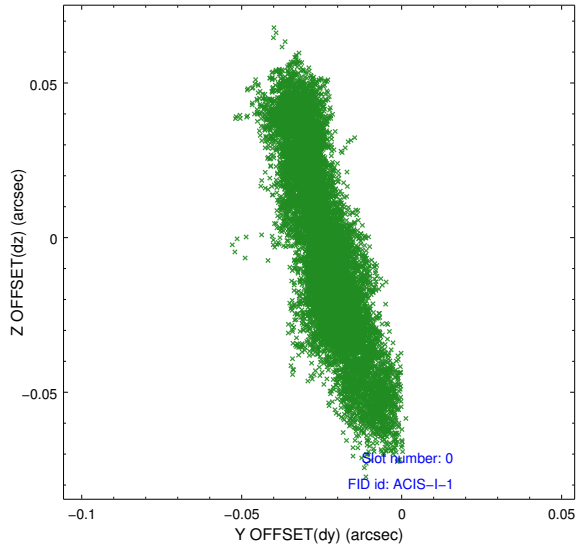


2.4.5 Slot 7

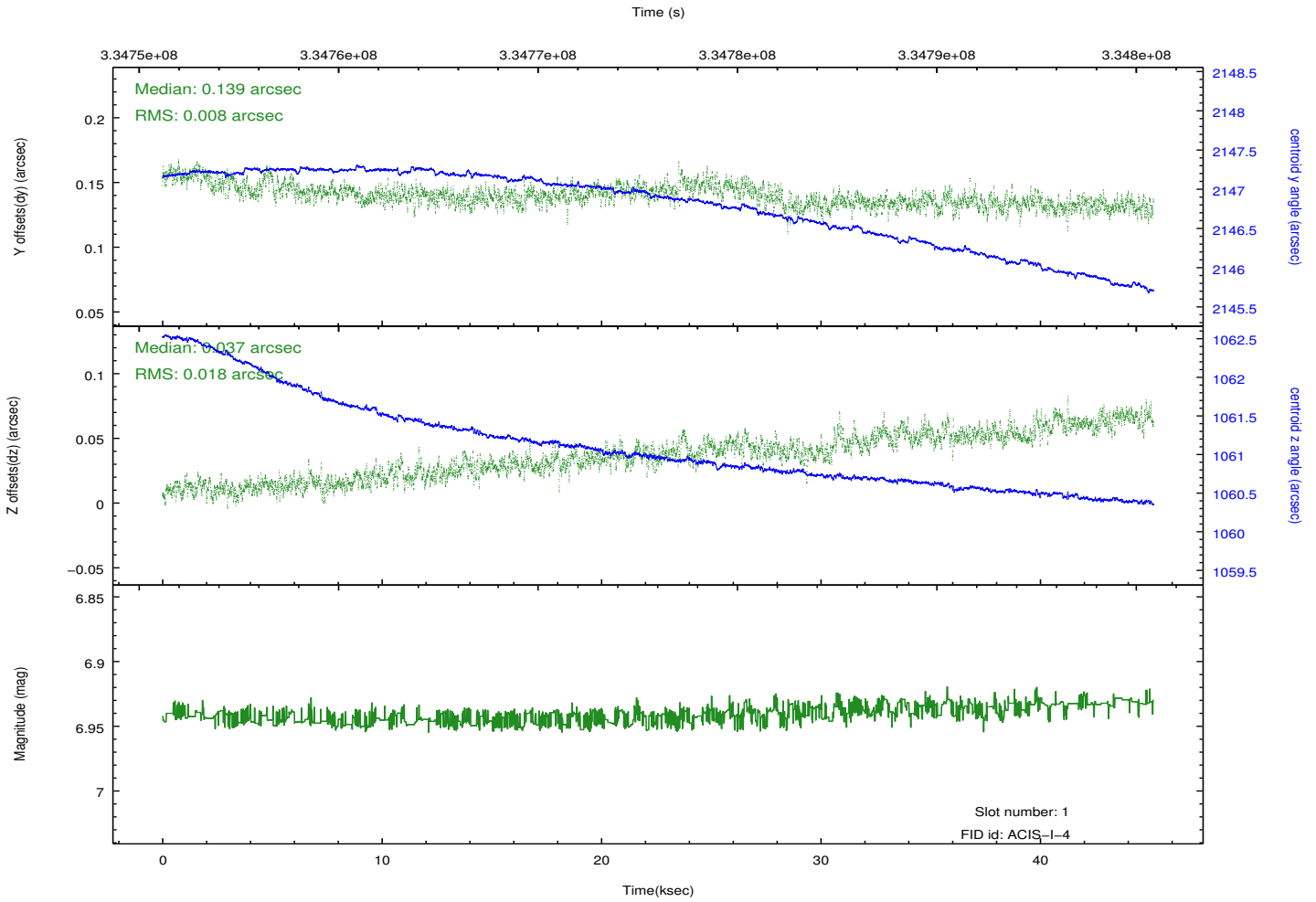
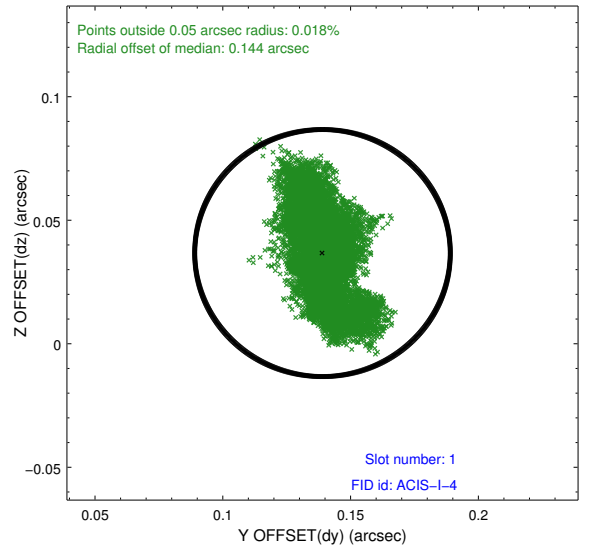
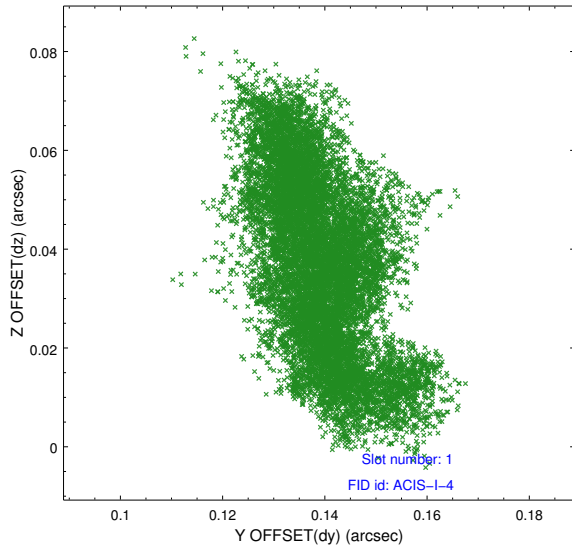


2.5 FID Slots

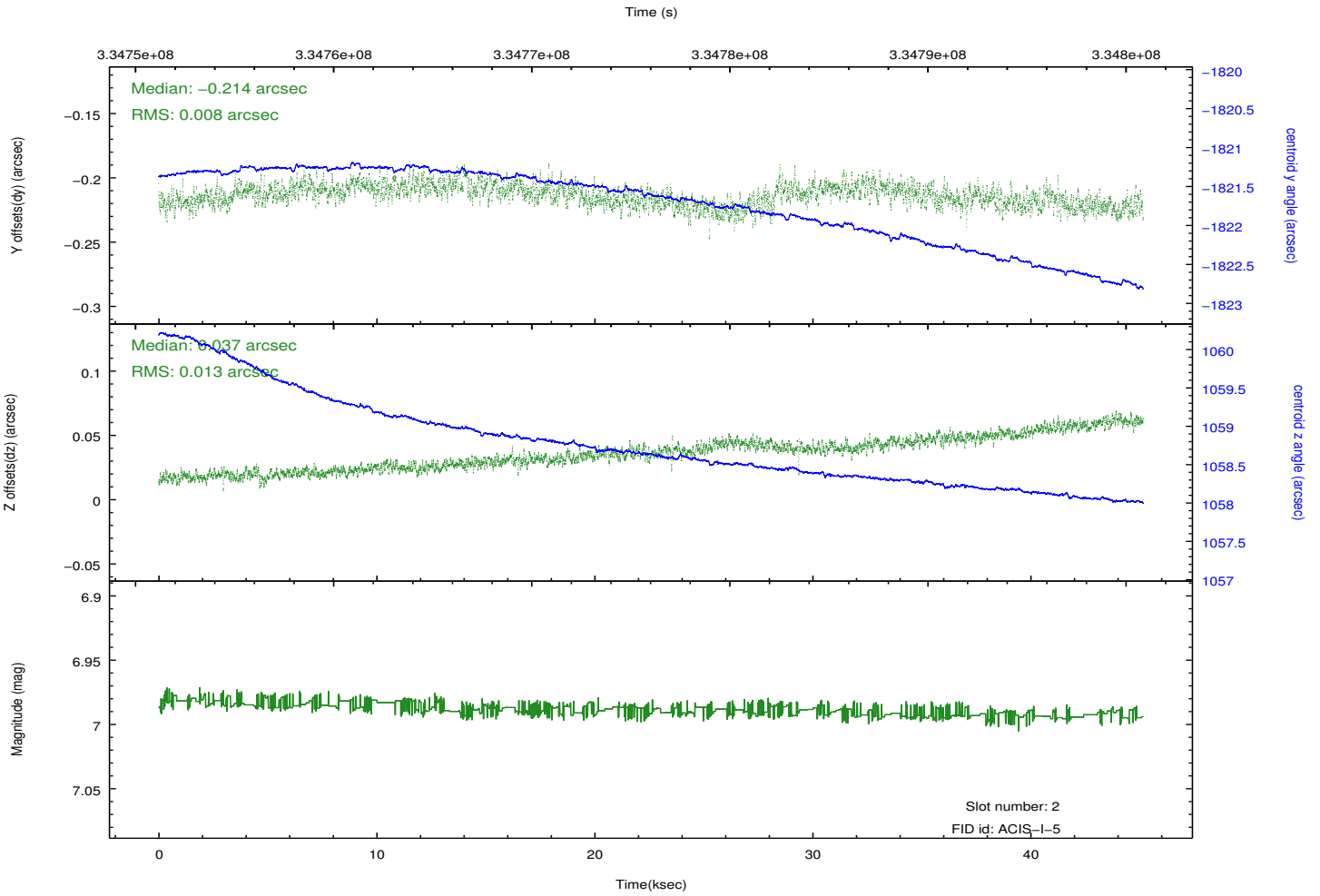
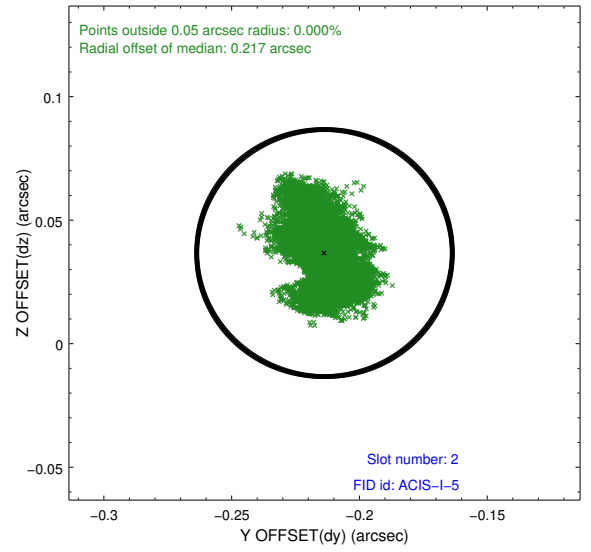
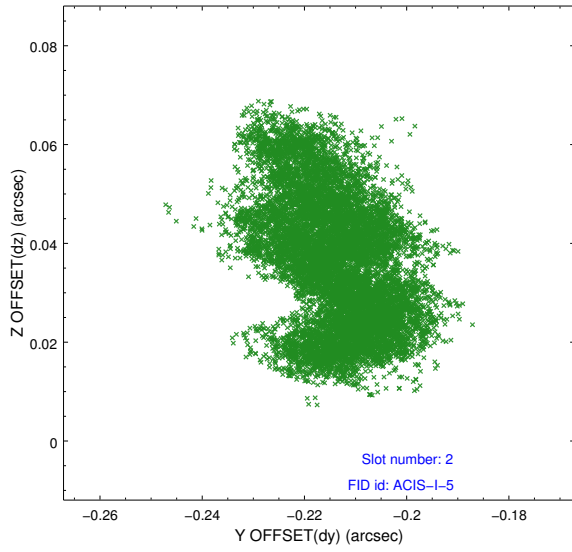
2.5.1 Slot 0



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)	2012.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.1551588

A.2 Comments