

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9497 - L2 Version 2
Chandra X-Ray Center

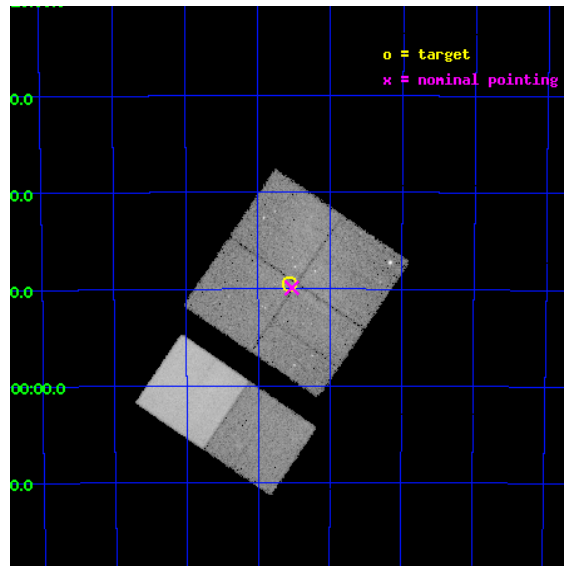
L2 Processing Date : May 18 2012

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1 Front

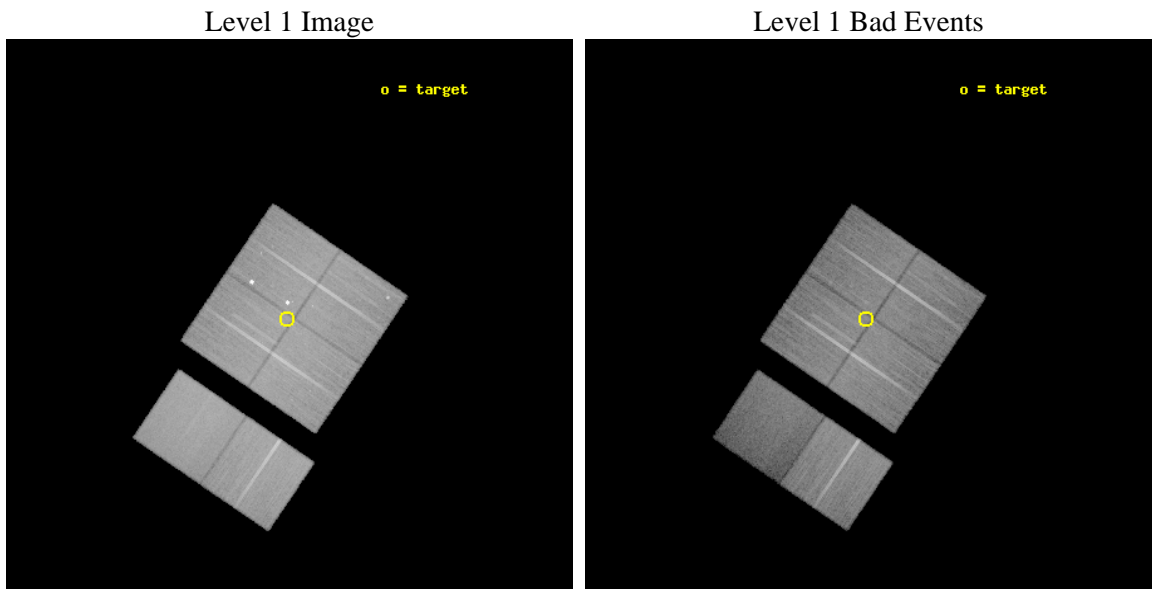
seq_num	900834	Sequence number
obs_id	9497	Observation id
title	The Great Nebula in Carina: Protoplanetary Disks to Starburst Galaxies	Proposal title
observer	Dr. Leisa Townsley	Principal investigator
object	Carina Superbubble Ptg 2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	160.1425	Observer's specified target RA [deg]
dec_targ	-59.825194	Observer's specified target Dec [deg]
ra_nom	160.13250748969	Nominal RA [deg]
dec_nom	-59.831517576983	Nominal Dec [deg]
roll_nom	214.20004390721	Nominal Roll [deg]
revision	2	Processing version of data
ontime	33174.35890609	Sum of GTIs [s]
livetime	32754.285198421	Livetime [s]
ontime0	33177.599876463	Sum of GTIs [s]
ontime1	33174.358866215	Sum of GTIs [s]
ontime2	33171.118025482	Sum of GTIs [s]
ontime3	33174.35890609	Sum of GTIs [s]
ontime6	33177.599876463	Sum of GTIs [s]
ontime7	33177.599876463	Sum of GTIs [s]
l2events	278227	Number of level 2 events



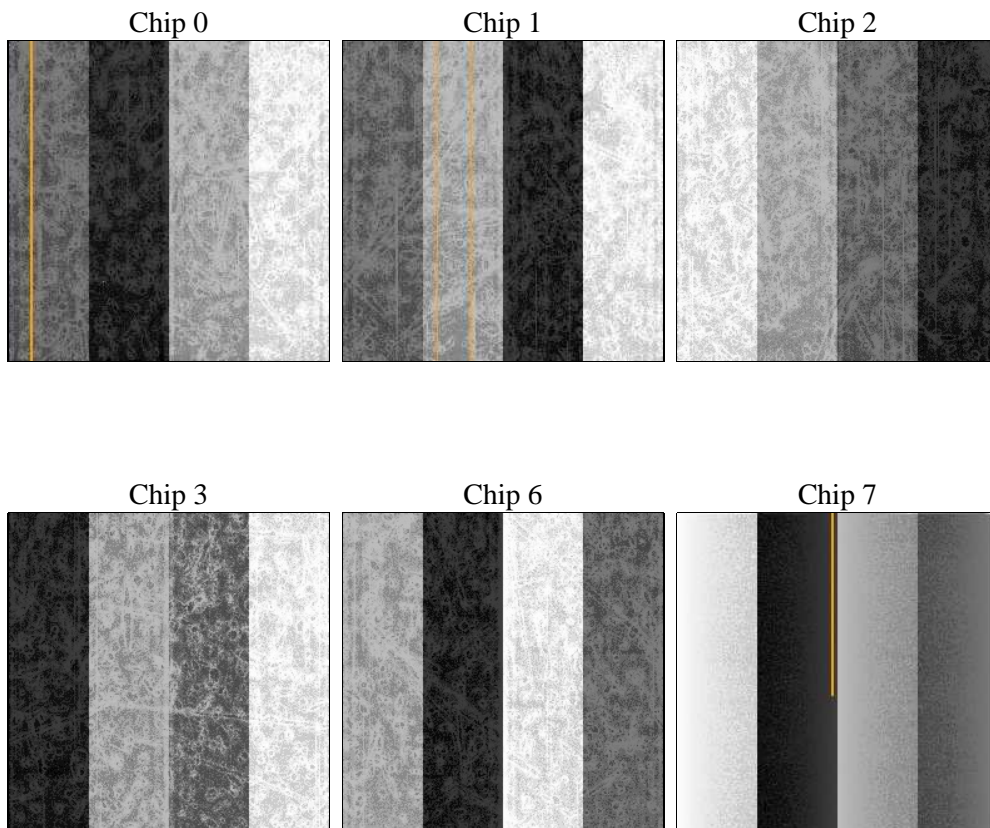
2 OBI

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	8.4.4	Processing system revision	ontime	33174.35890609	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	33177.599876463	Sum of GTIs [s]
date	2012-05-18T14:45:25	Date and time of file creation	ontime1	33174.358866215	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	33171.118025482	Sum of GTIs [s]
			ontime3	33174.35890609	Sum of GTIs [s]
			ontime6	33177.599876463	Sum of GTIs [s]
			ontime7	33177.599876463	Sum of GTIs [s]
			l1events	1528175	Number of level 1 events

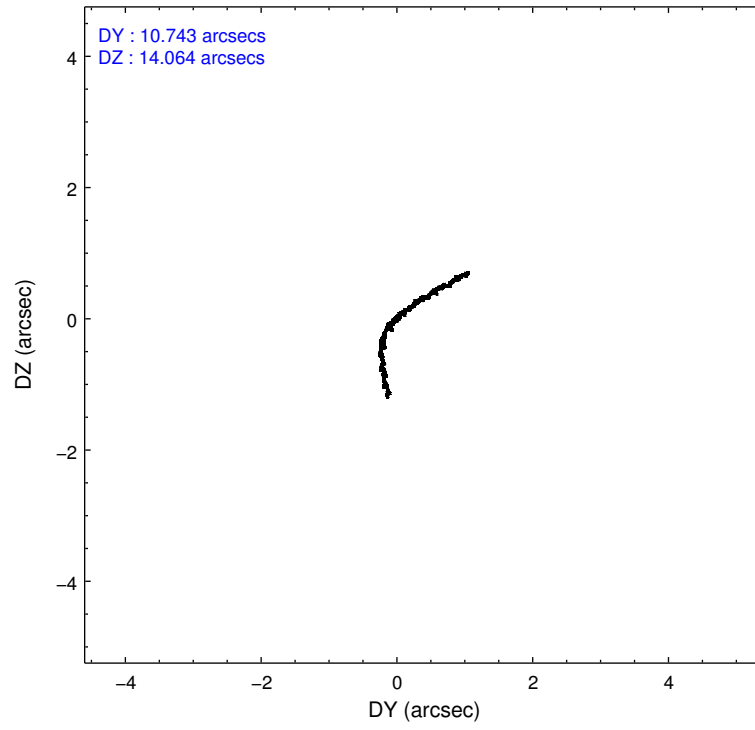
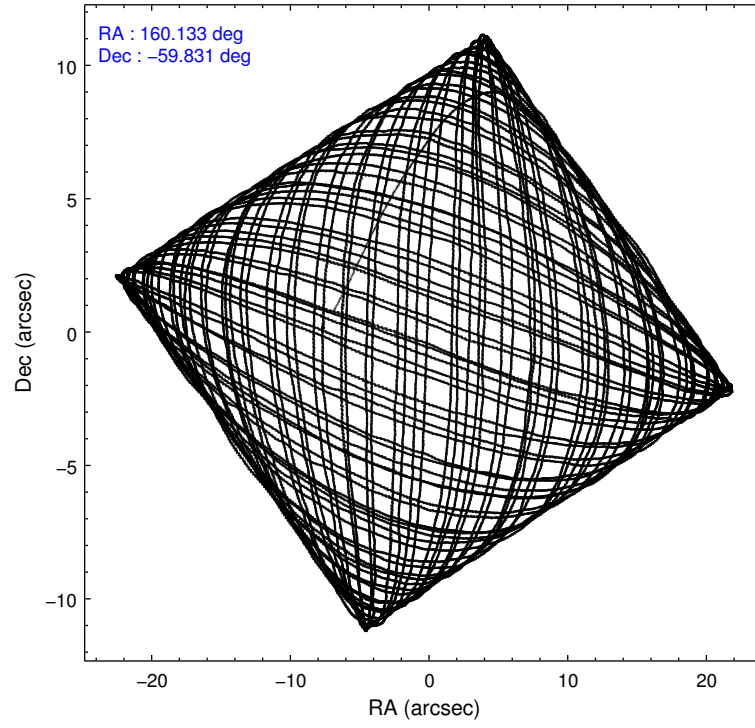
2.1.4 Events

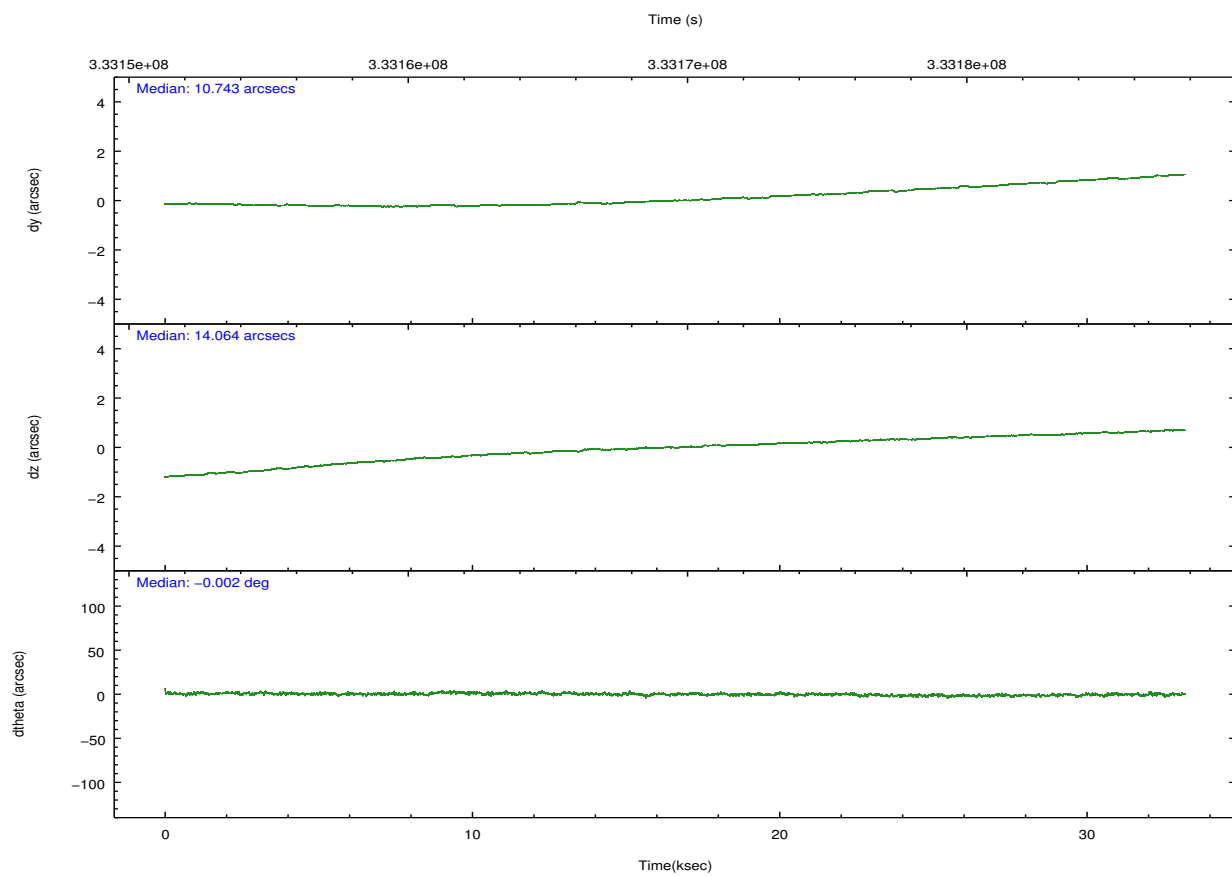
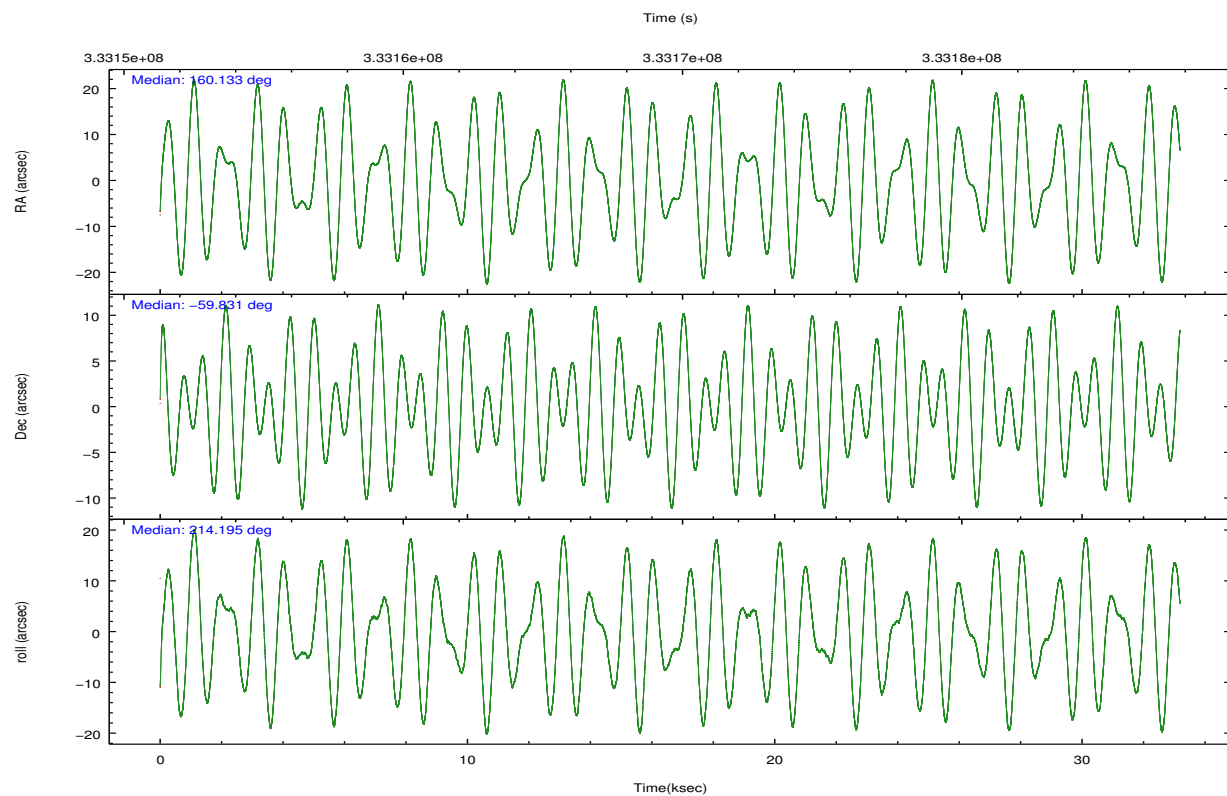
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	240954	254504	269254	243706	261739	258018	grade 0 events	18304	37512	16960	14507	16291	17699
rejected events	205911	198911	236637	214267	228270	118804		7%	14%	6%	5%	6%	6%
rejected %	85%	78%	87%	87%	87%	46%	grade 1 events	204	267	184	190	159	338
								0%	0%	0%	0%	0%	0%
							grade 2 events	6712	6741	6191	5388	6339	30374
								2%	2%	2%	2%	2%	11%
							grade 3 events	2853	3121	2614	2635	2826	13299
								1%	1%	0%	1%	1%	5%
							grade 4 events	2681	2973	2666	2559	2761	13112
								1%	1%	0%	1%	1%	5%
							grade 5 events	7241	8262	6846	8426	8873	25398
								3%	3%	2%	3%	3%	9%
							grade 6 events	4515	5281	4204	4360	5265	64797
								1%	2%	1%	1%	2%	25%
							grade 7 events	198444	190347	229589	205641	219225	93001
								82%	74%	85%	84%	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	160.156089	160.1325074896877	CCD I2 on	Y	Y
[deg] Pointing Dec	-59.806715	-59.83151757698275	CCD I3 on	Y	Y
[deg] Pointing Roll	214.011742	214.2000439072149	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)	333153145.184000	333152064.61083	CCD S5 on	N	N
Observation start date	2008-07-22T22:31:20	2008-07-22T22:14:24	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	333186145.184000	333186999.68754	On-chip summing requested	N	N
Observation end date	2008-07-23T07:41:20	2008-07-23T07:56:39	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



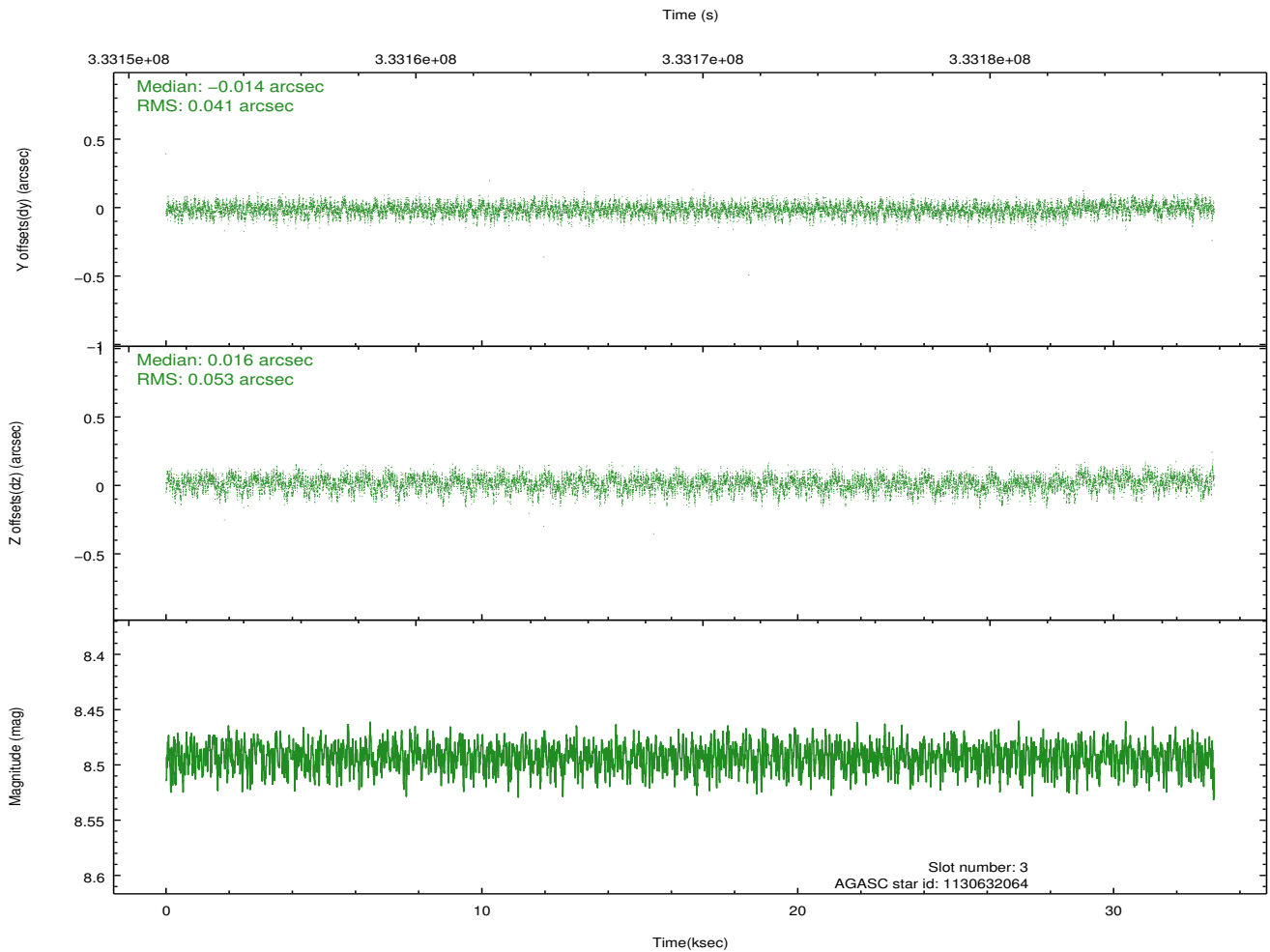
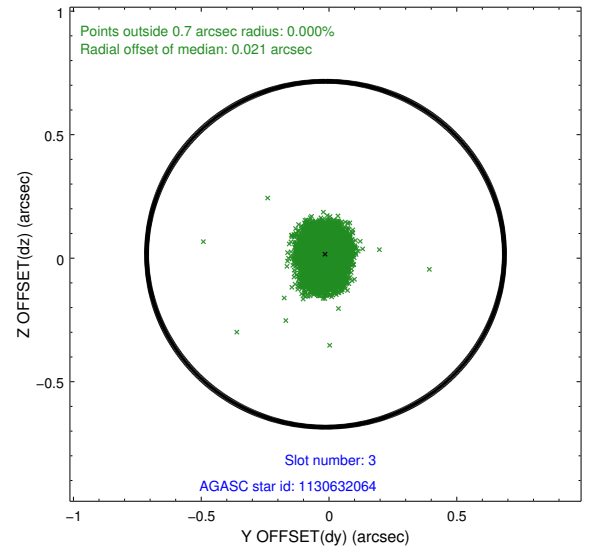
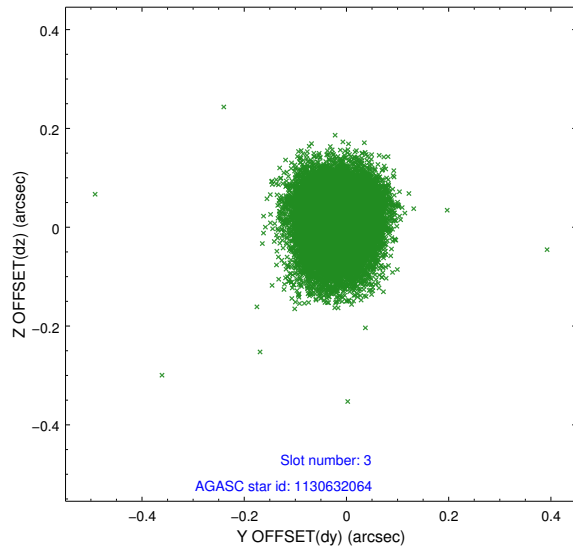


Slot Statistics

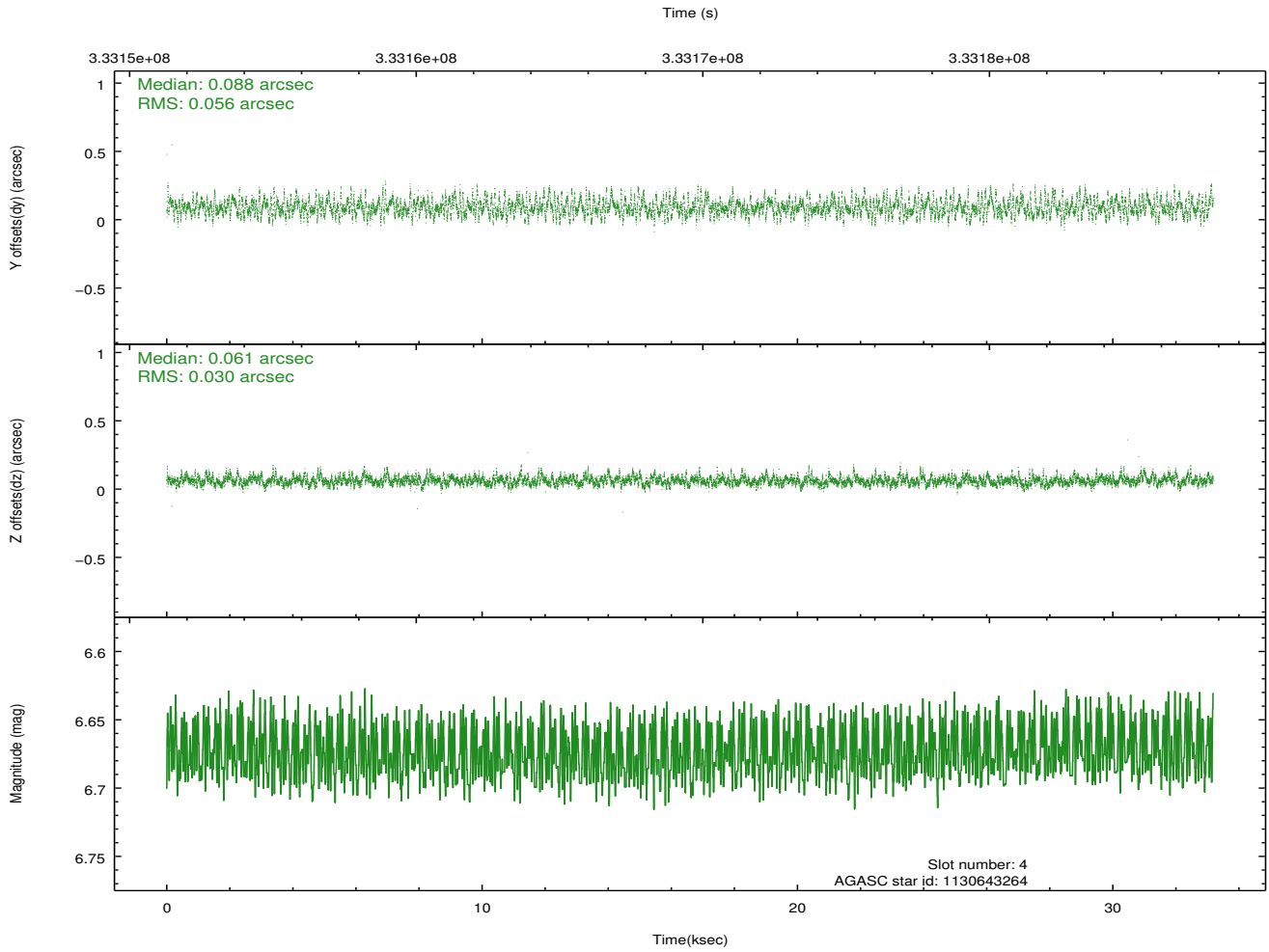
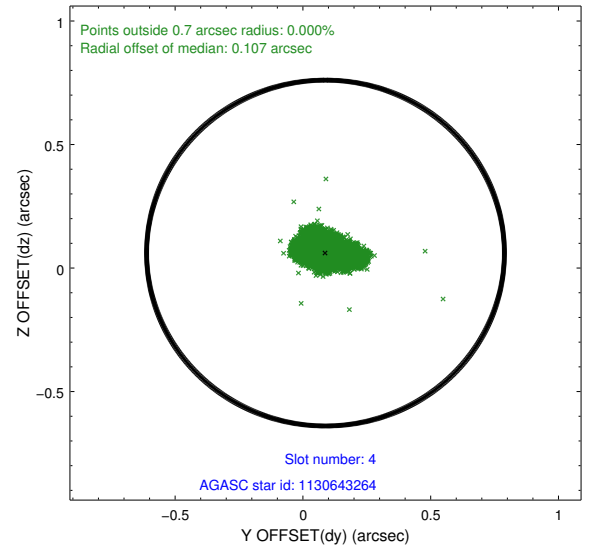
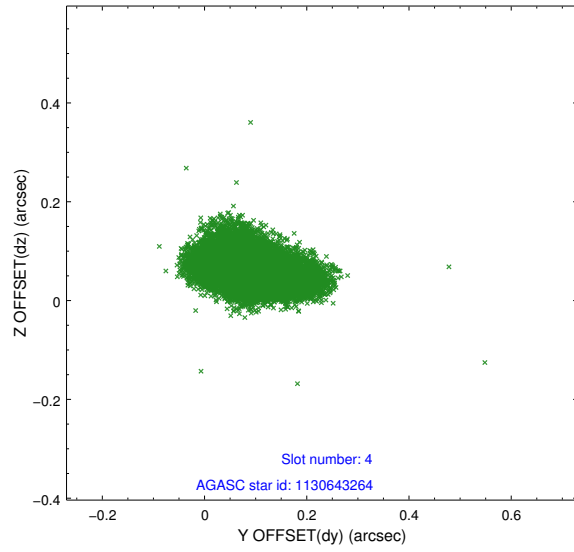
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	8094	-0.029	0.076	0.019	0.036	0.000000	0.000000	928.63	-837.49
1	FID	ACIS-I-2	6.93	8092	-0.137	-0.071	0.015	0.025	0.000000	0.000000	-765.53	-844.10
2	FID	ACIS-I-4	6.96	8094	0.073	0.062	0.012	0.020	0.000000	0.000000	2148.60	1062.28
3	GUIDE	1130632064	8.49	16173	-0.014	0.016	0.071	0.116	160.452382	-59.130948	-1813.52	-1709.55
4	GUIDE	1130643264	6.68	16184	0.088	0.061	0.066	0.114	160.322990	-59.676912	-512.46	-217.37
5	GUIDE	1174013928	7.03	16188	-0.043	0.052	0.044	0.073	158.968200	-60.039977	2250.74	-482.29
6	GUIDE	1174020200	8.31	16183	-0.073	-0.142	0.074	0.111	160.489138	-60.487295	881.79	2362.54
7	GUIDE	1174033144	8.43	16180	0.038	0.015	0.057	0.093	161.168741	-60.059230	-991.83	1782.94

2.4 Star Slots

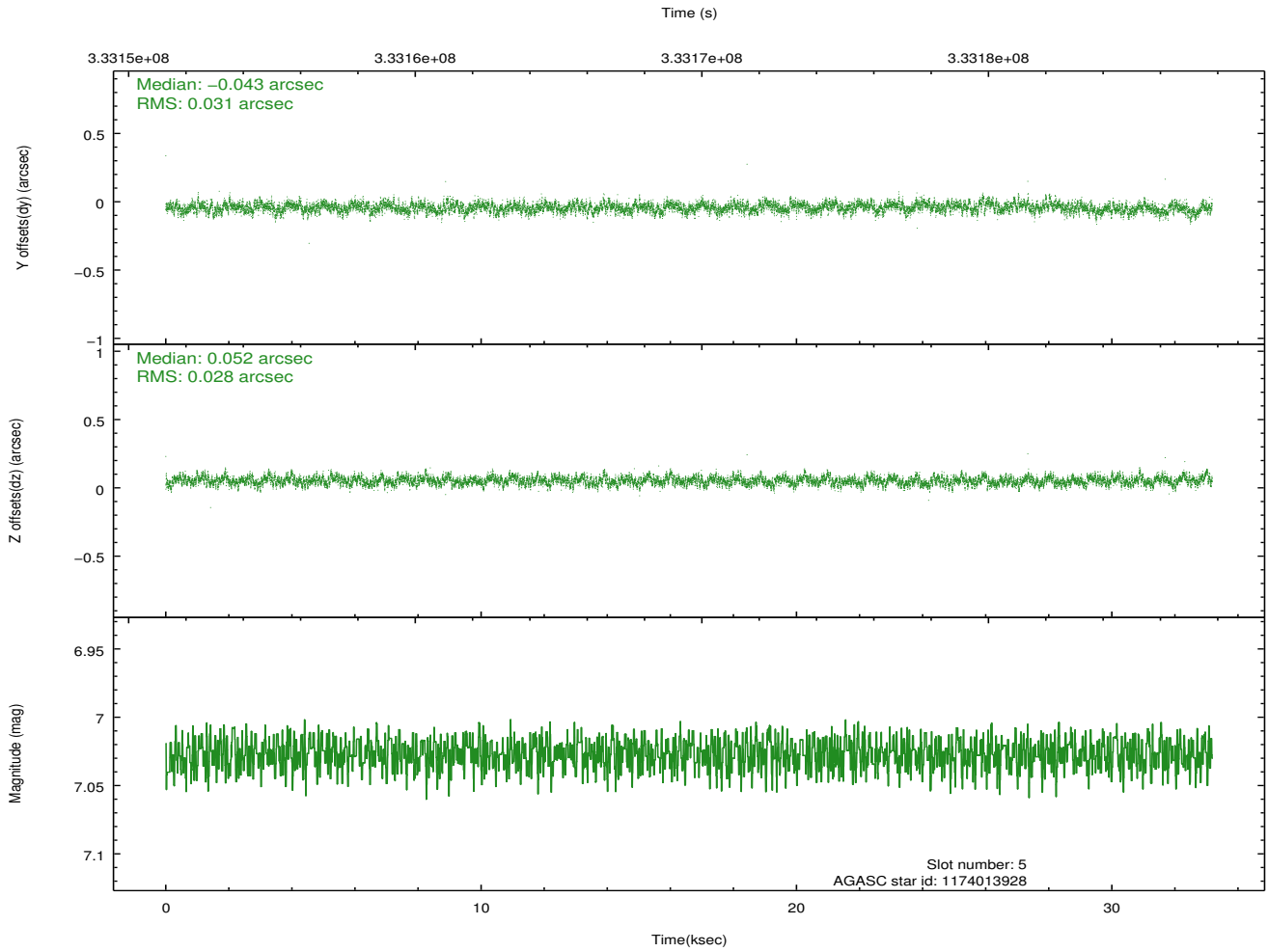
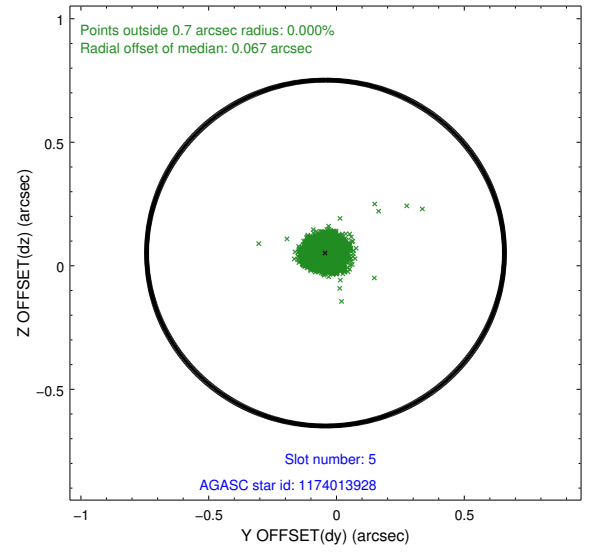
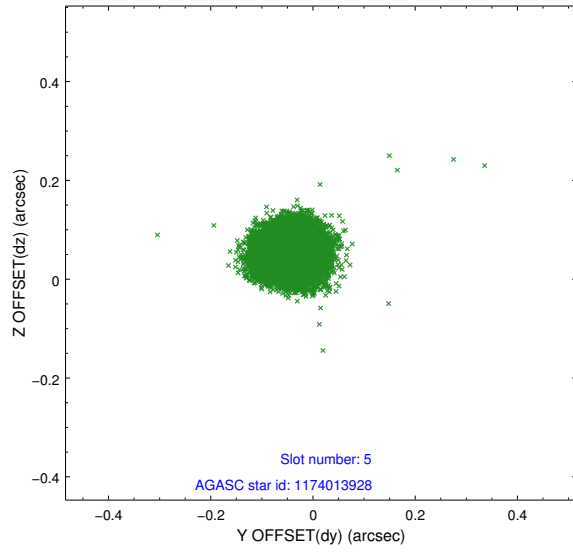
2.4.1 Slot 3



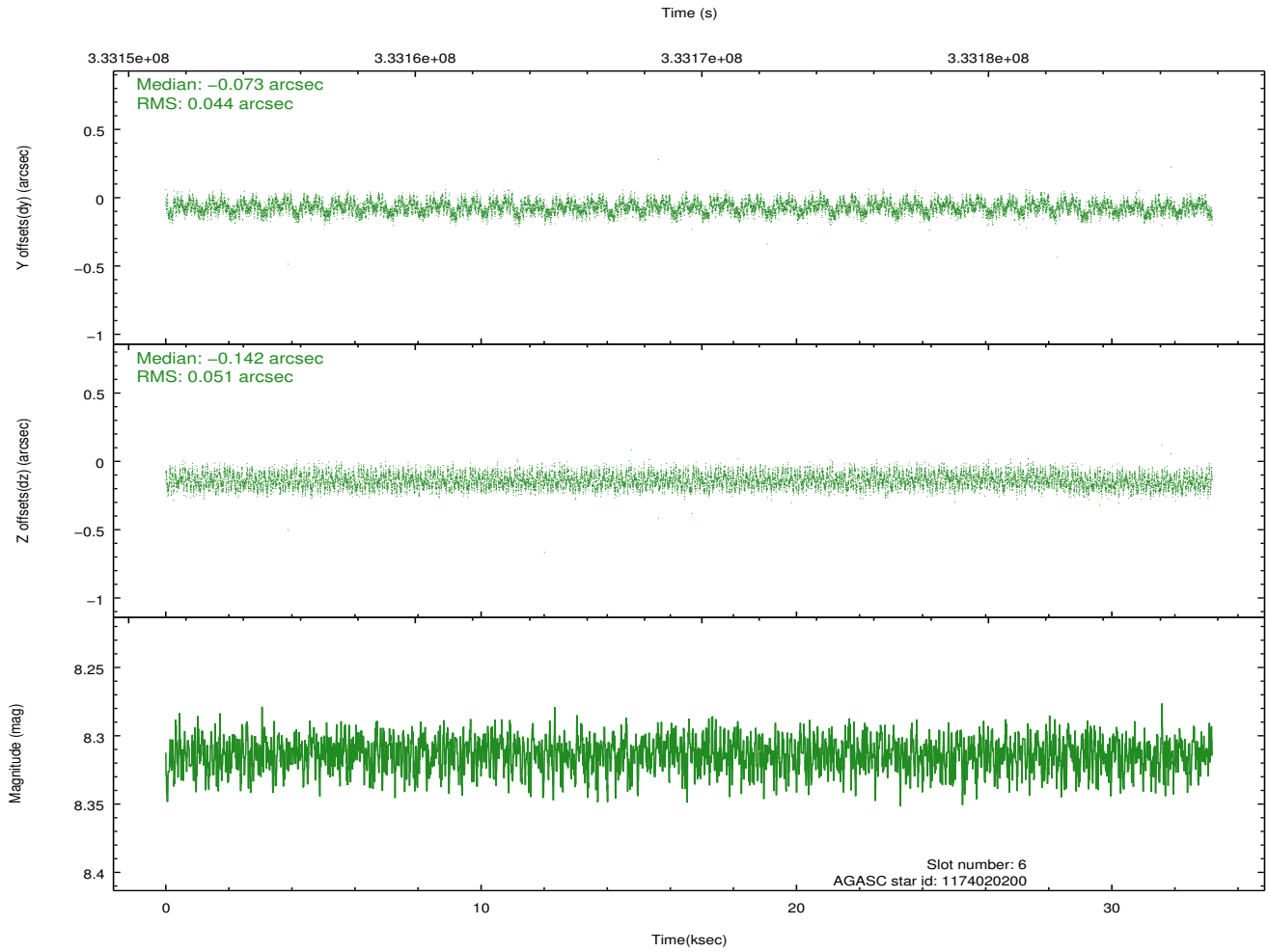
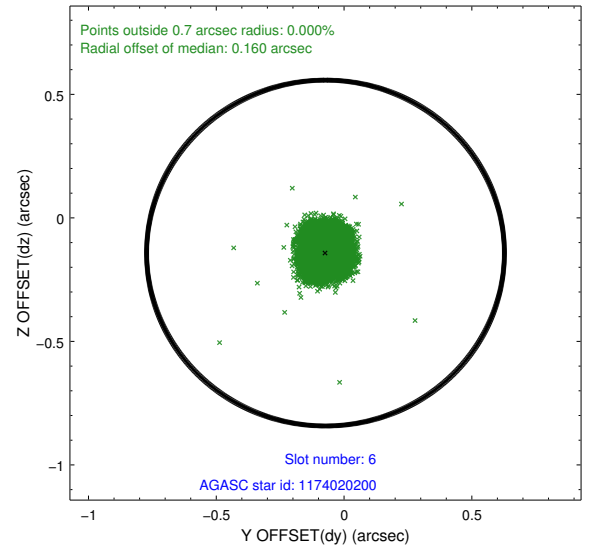
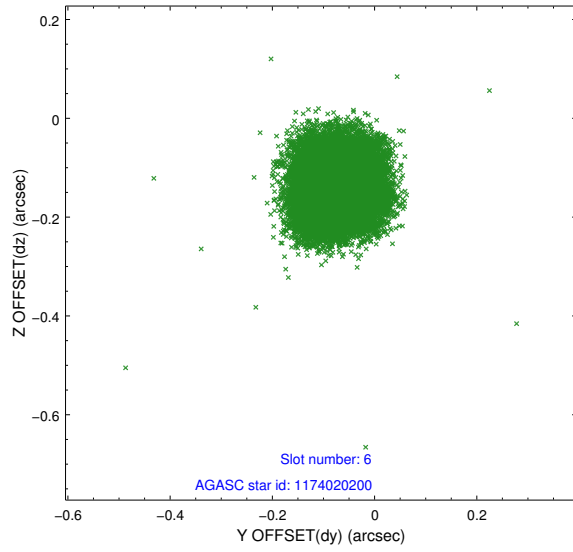
2.4.2 Slot 4



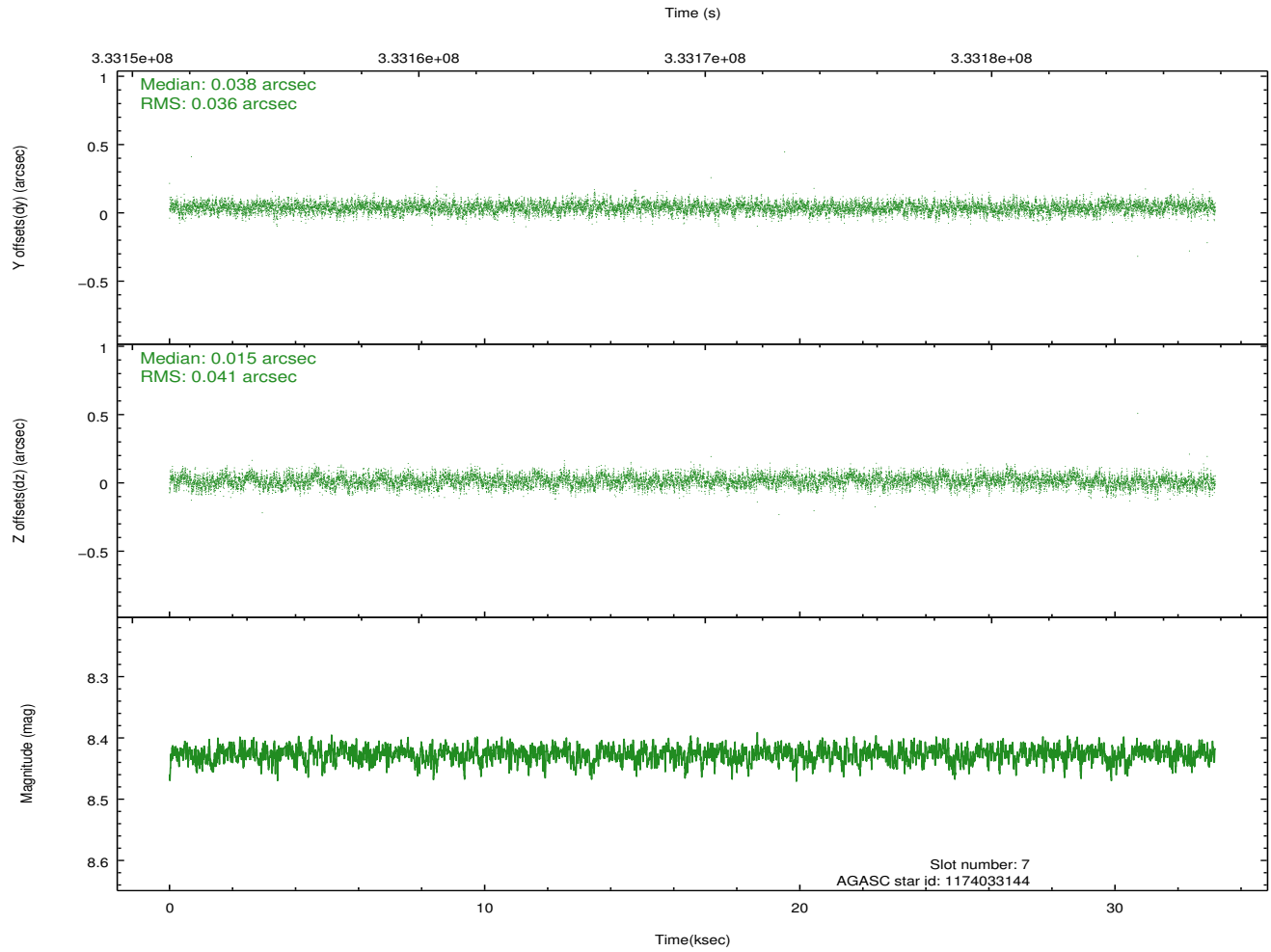
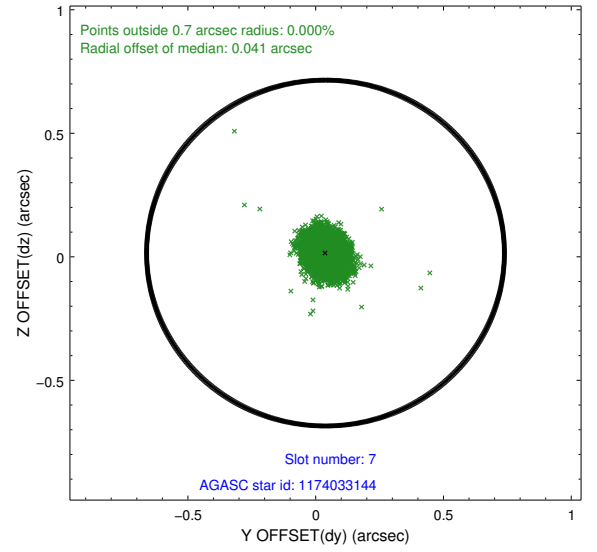
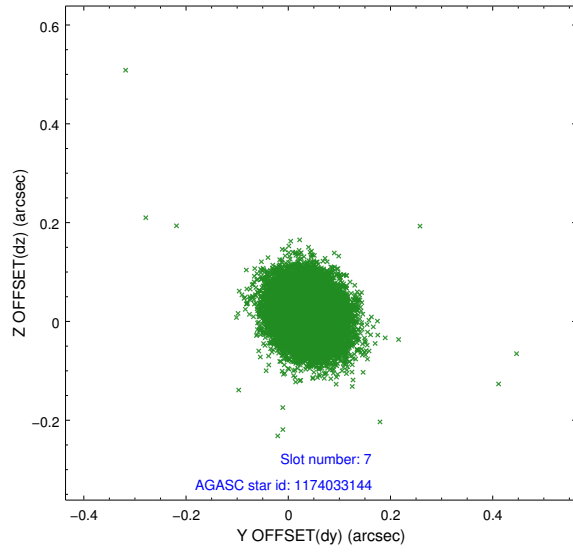
2.4.3 Slot 5



2.4.4 Slot 6

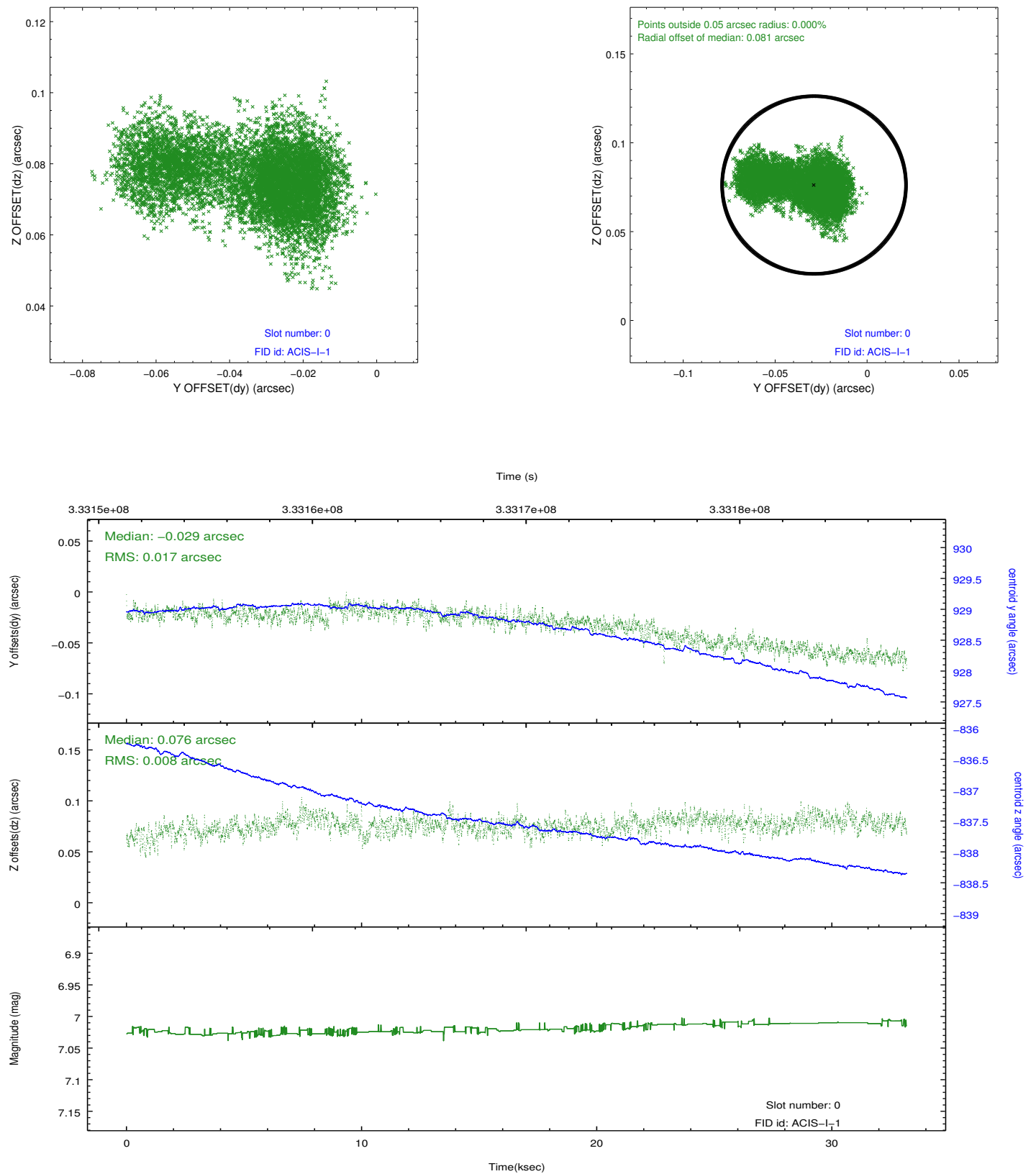


2.4.5 Slot 7

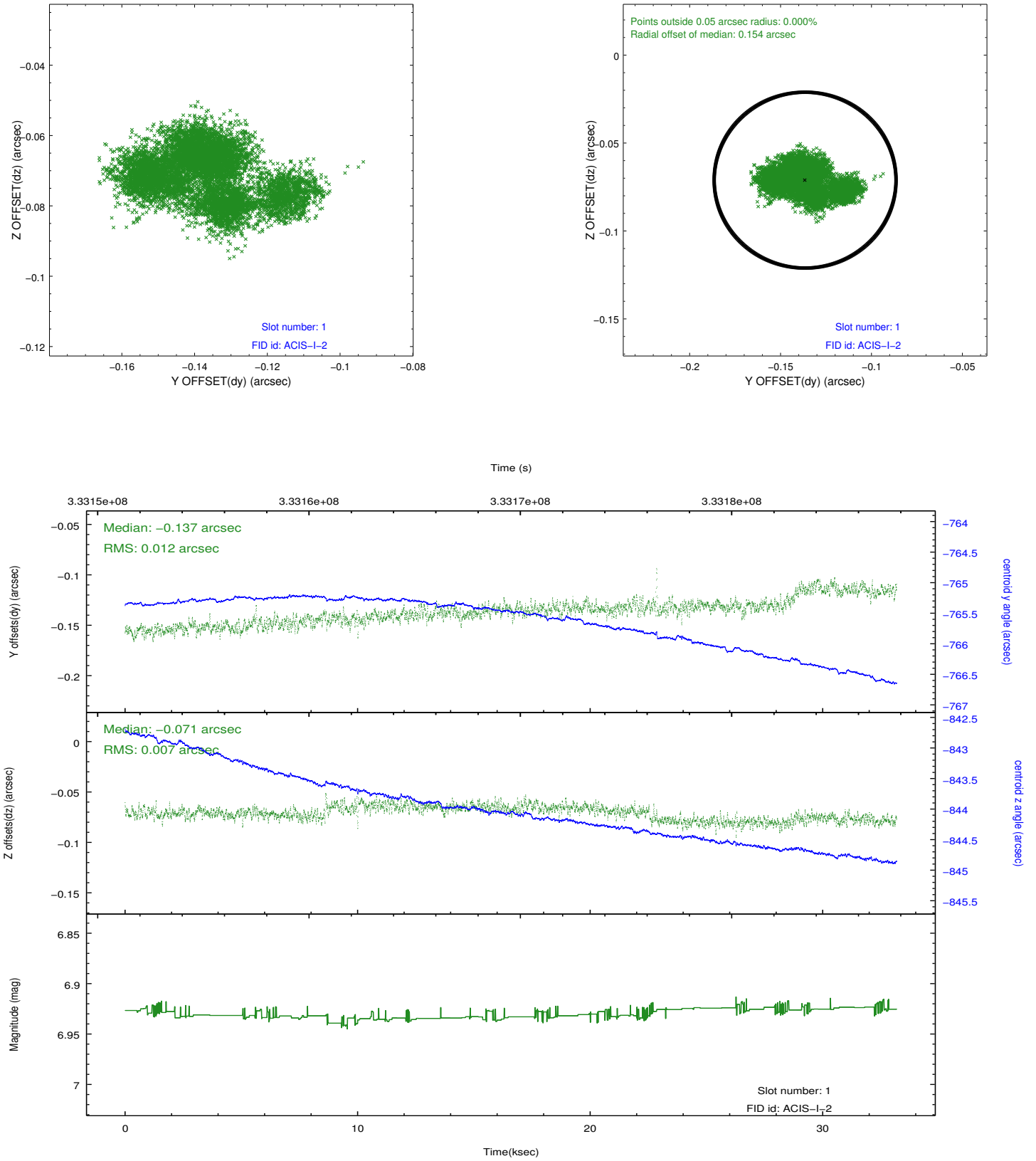


2.5 FID Slots

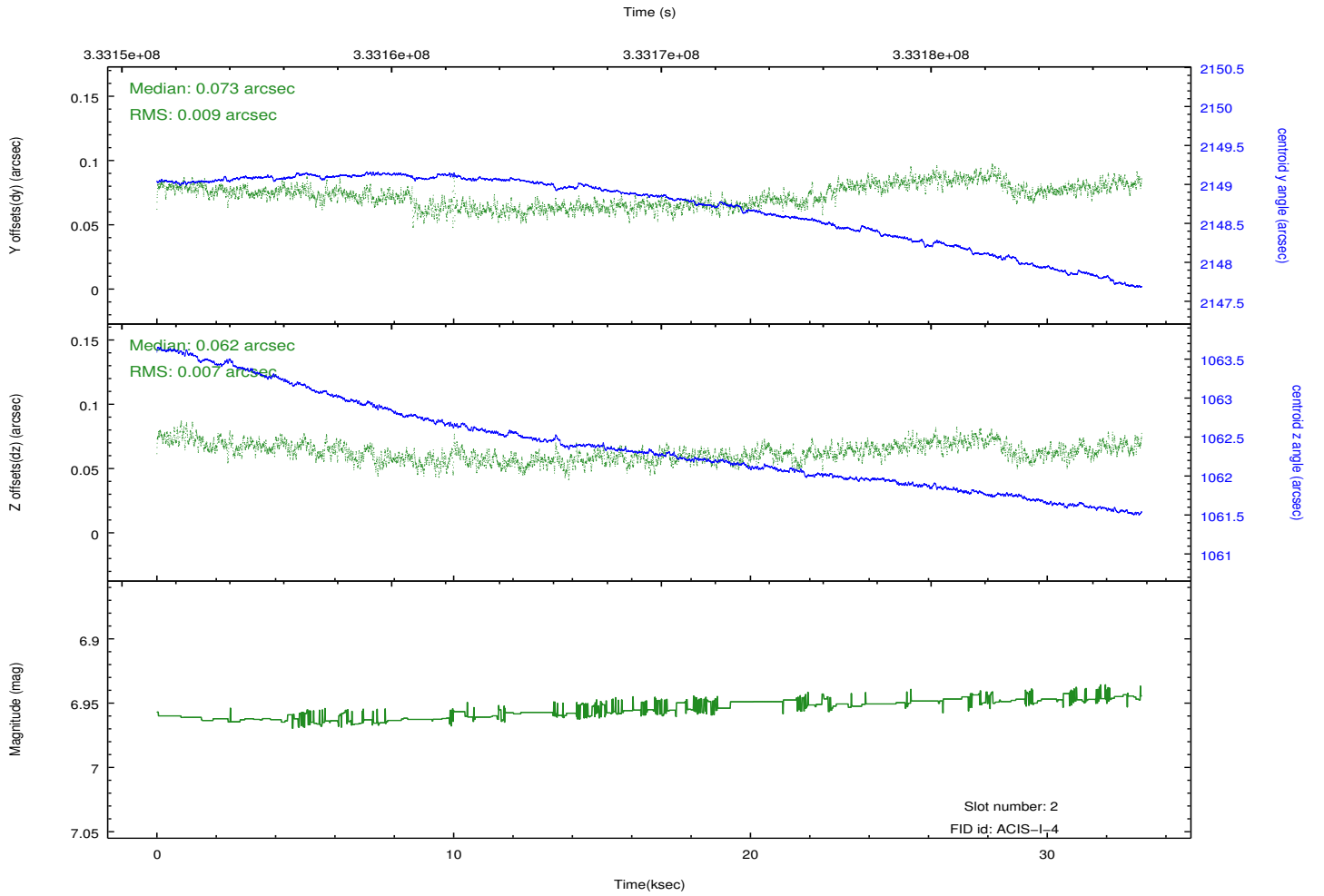
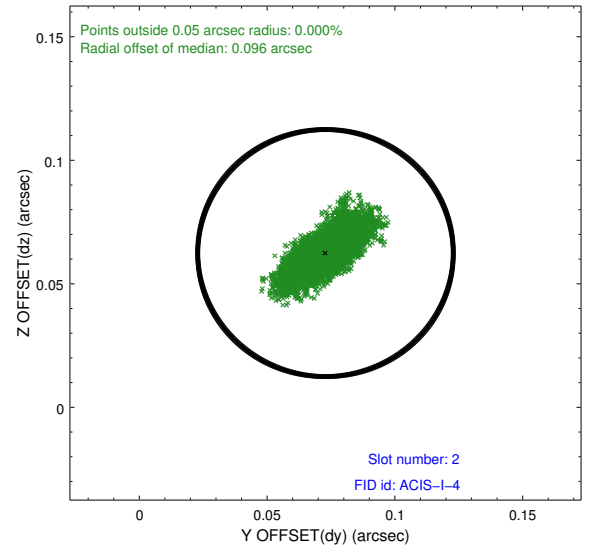
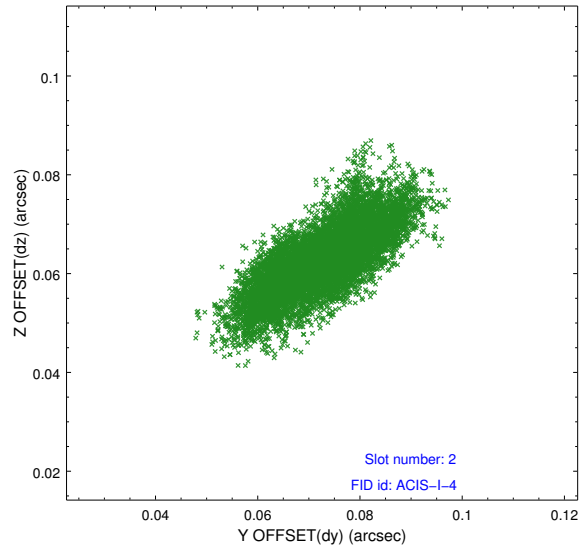
2.5.1 Slot 0



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	33.1743589

A.2 Comments