

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9894 - L2 Version 2
Chandra X-Ray Center

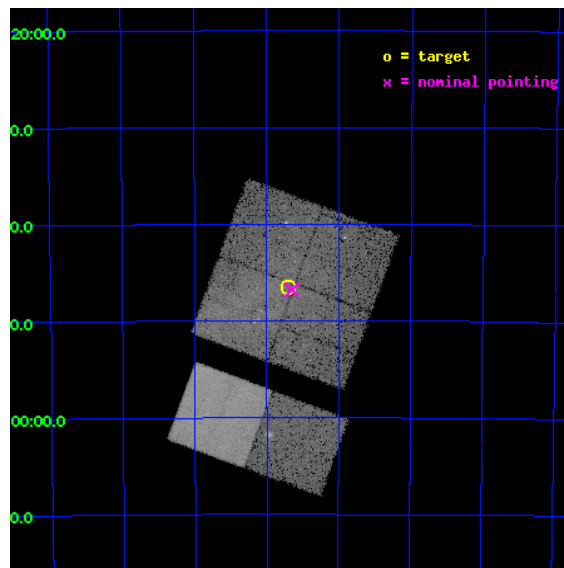
L2 Processing Date : May 19 2012

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1 Front

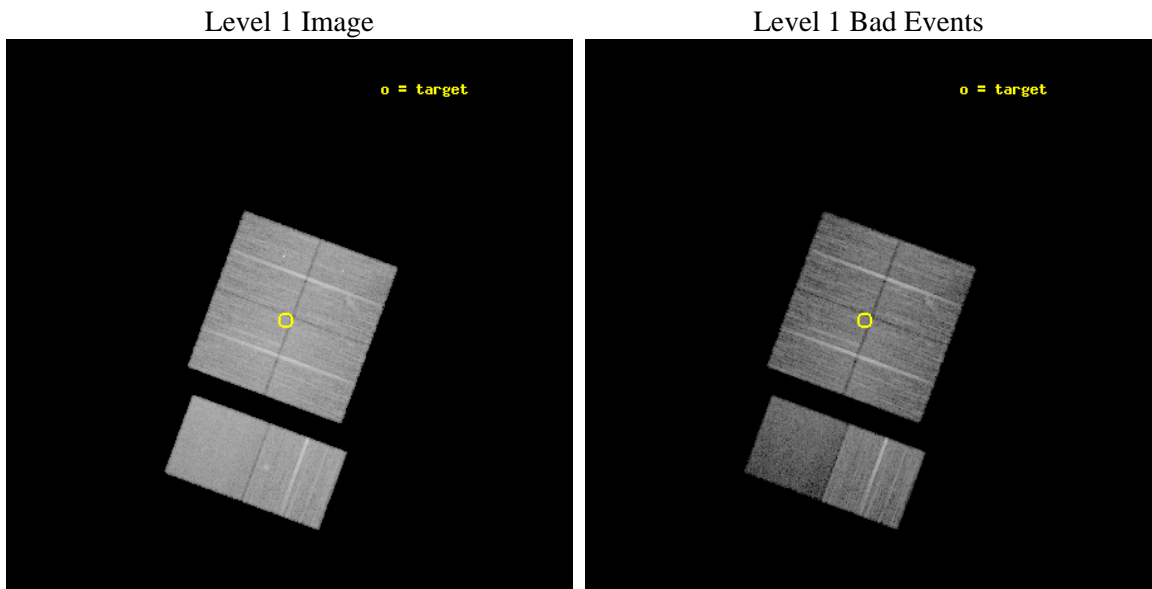
seq_num	900818	Sequence number
obs_id	9894	Observation id
title	The Great Nebula in Carina: Protoplanetary Disks to Starburst Galaxies (GTO component)	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	Carina Clusters Ptg 1	Source name
dtcycle	0	
cycle	P	events from which 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	160.66268667863	Nominal RA [deg]
dec_nom	-59.779849801168	Nominal Dec [deg]
roll_nom	200.19767554019	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15113.558973491	Sum of GTIs [s]
livetime	14922.181989476	Livetime [s]
ontime0	15113.558973432	Sum of GTIs [s]
ontime1	15116.799943745	Sum of GTIs [s]
ontime2	15110.317853689	Sum of GTIs [s]
ontime3	15113.558973491	Sum of GTIs [s]
ontime6	15116.799943745	Sum of GTIs [s]
ontime7	15116.799943745	Sum of GTIs [s]
l2events	144099	Number of level 2 events



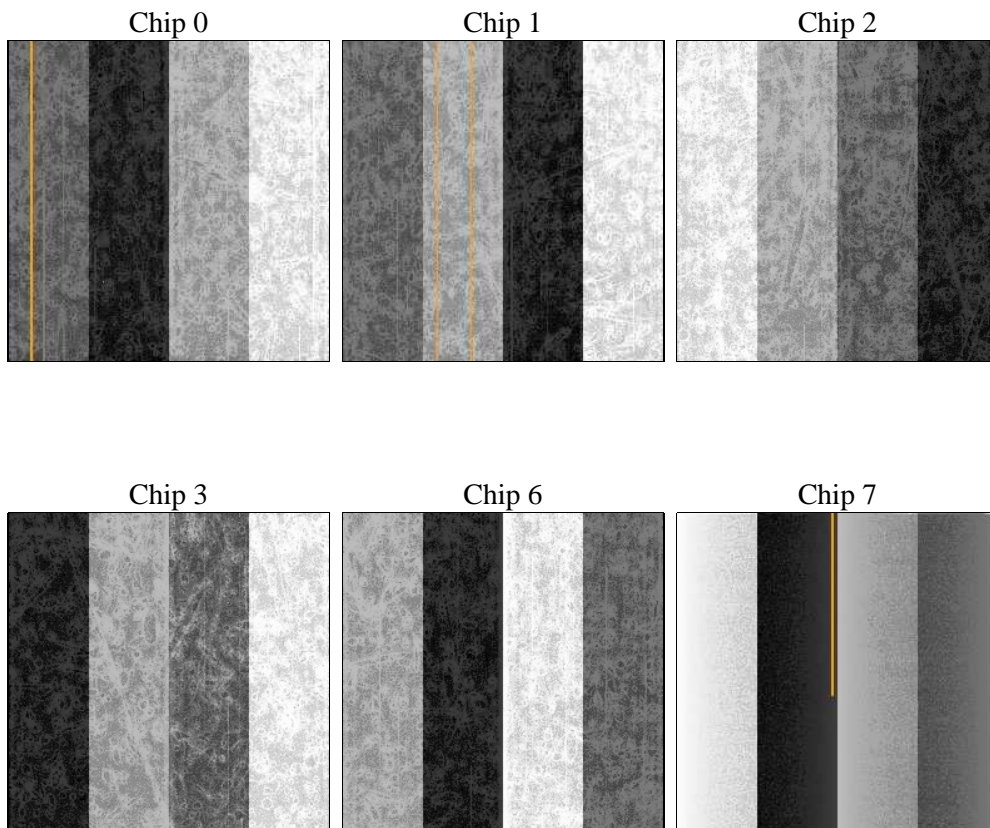
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	14960.231000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	15113.558973491	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	15113.558973432	Sum of GTIs [s]
date	2012-05-19T04:01:44	Date and time of file creation	ontime1	15116.799943745	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	15110.317853689	Sum of GTIs [s]
			ontime3	15113.558973491	Sum of GTIs [s]
			ontime6	15116.799943745	Sum of GTIs [s]
			ontime7	15116.799943745	Sum of GTIs [s]
			l1events	730717	Number of level 1 events

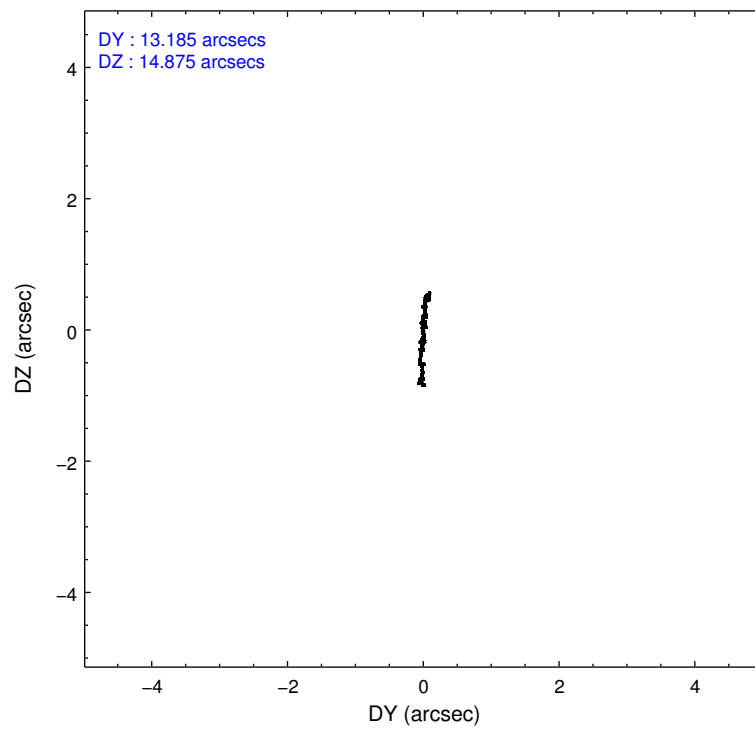
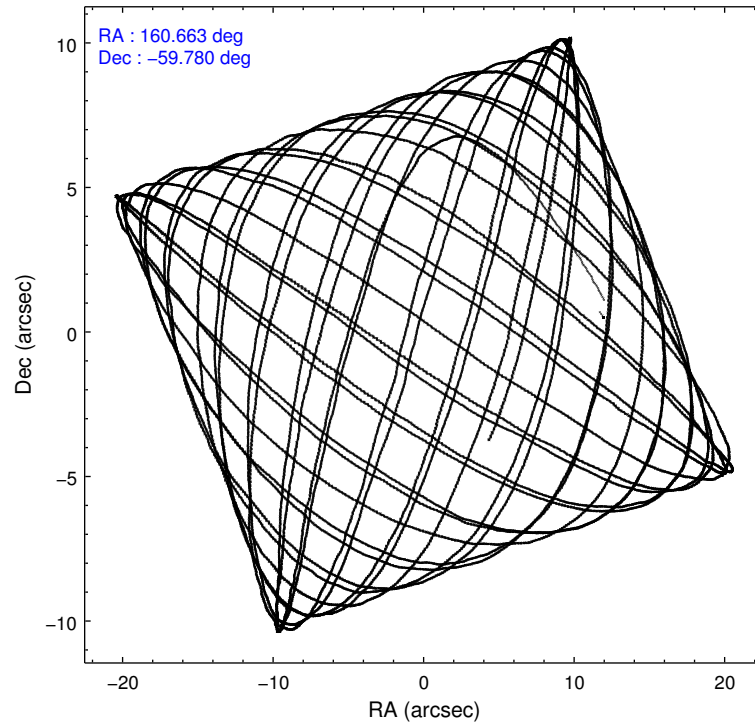
2.1.4 Events

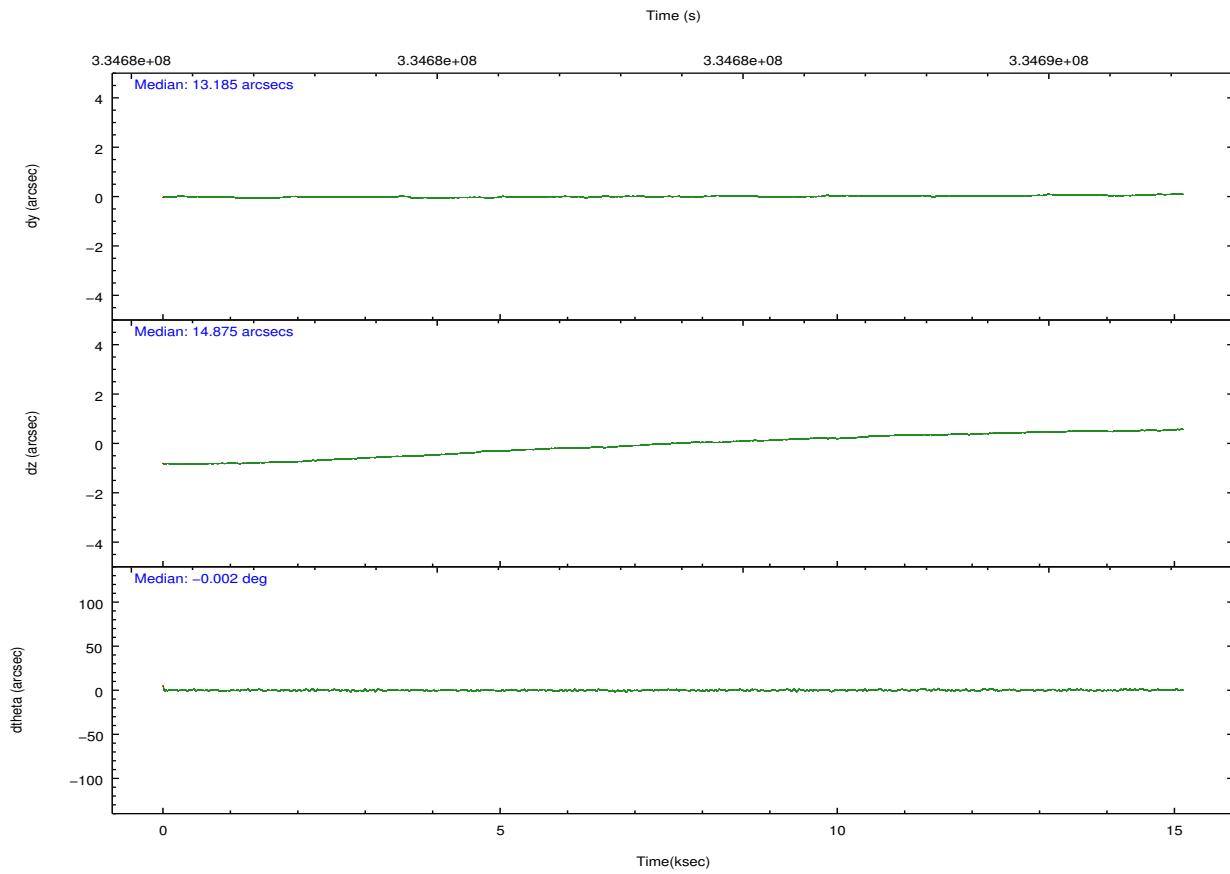
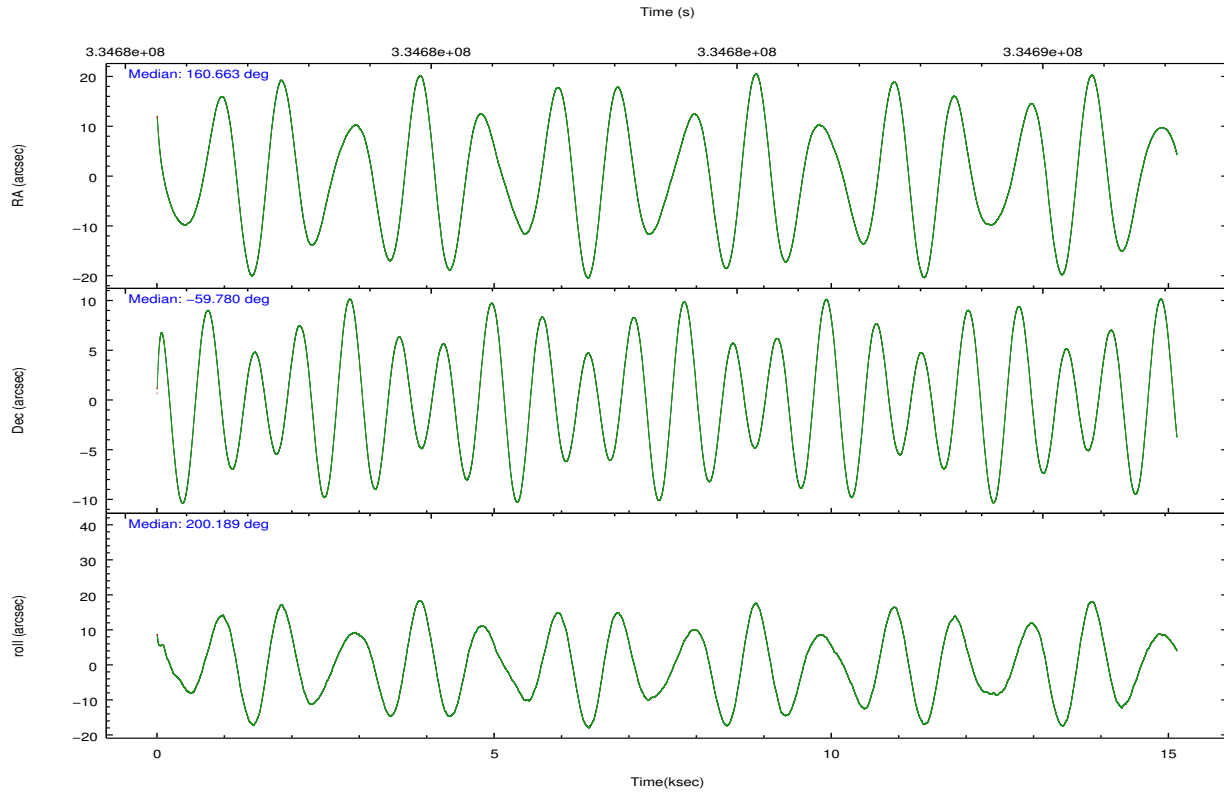
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	116618	111121	128172	127712	123877	123217	grade 0 events	7977	9757	9769	15391	8460	9118
rejected events	100914	92943	110821	104308	107274	56622		6%	8%	7%	12%	6%	7%
rejected %	86%	83%	86%	81%	86%	45%	grade 1 events	88	82	121	141	88	169
								0%	0%	0%	0%	0%	0%
							grade 2 events	3194	3151	3178	3120	3097	14899
								2%	2%	2%	2%	2%	12%
							grade 3 events	1312	1523	1283	1445	1344	6501
								1%	1%	1%	1%	1%	5%
							grade 4 events	1286	1472	1371	1398	1357	6398
								1%	1%	1%	1%	1%	5%
							grade 5 events	3244	3776	3049	4045	4187	11879
								2%	3%	2%	3%	3%	9%
							grade 6 events	2108	2480	1942	2276	2497	30290
								1%	2%	1%	1%	2%	24%
							grade 7 events	97409	88880	107459	99896	102847	43963
								83%	79%	83%	78%	83%	35%

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	160.6626866786349	CCD I2 on	Y	Y
[deg] Pointing Dec	-59.758666	-59.77984980116822	CCD I3 on	Y	Y
[deg] Pointing Roll	200.019046	200.197675540192	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)	334676454.184000	334675316.16048	CCD S5 on	N	N
Observation start date	2008-08-09T13:39:49	2008-08-09T13:21:56	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	334691415.184000	334691650.04878	On-chip summing requested	N	N
Observation end date	2008-08-09T17:49:10	2008-08-09T17:54:10	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



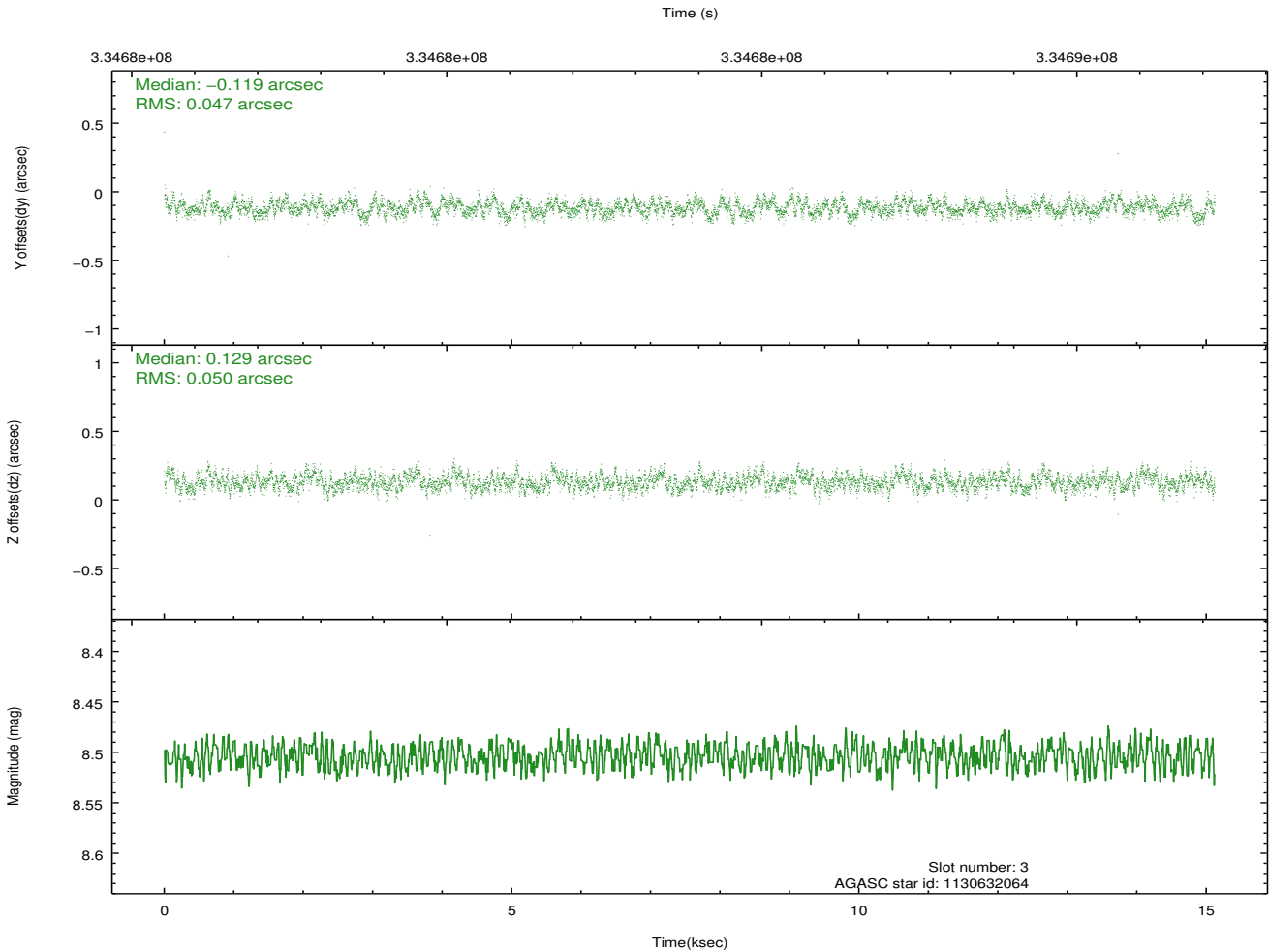
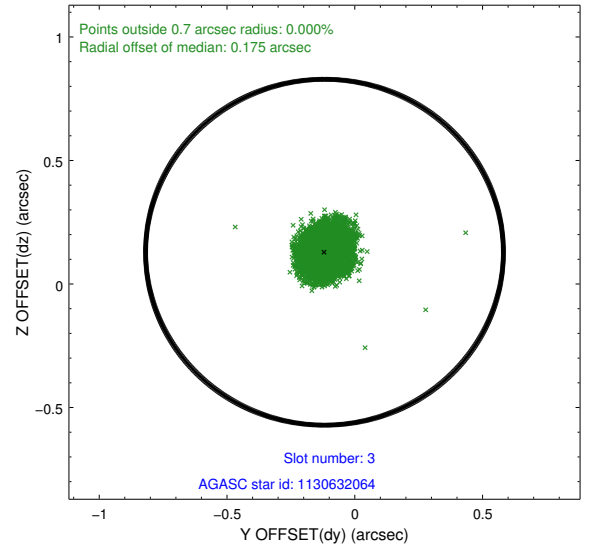
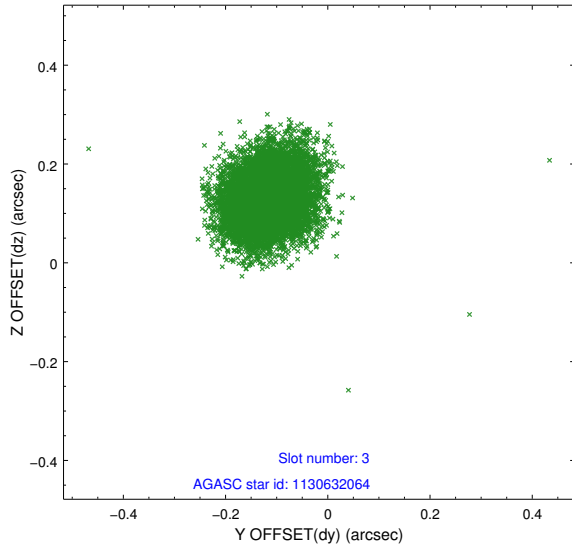


Slot Statistics

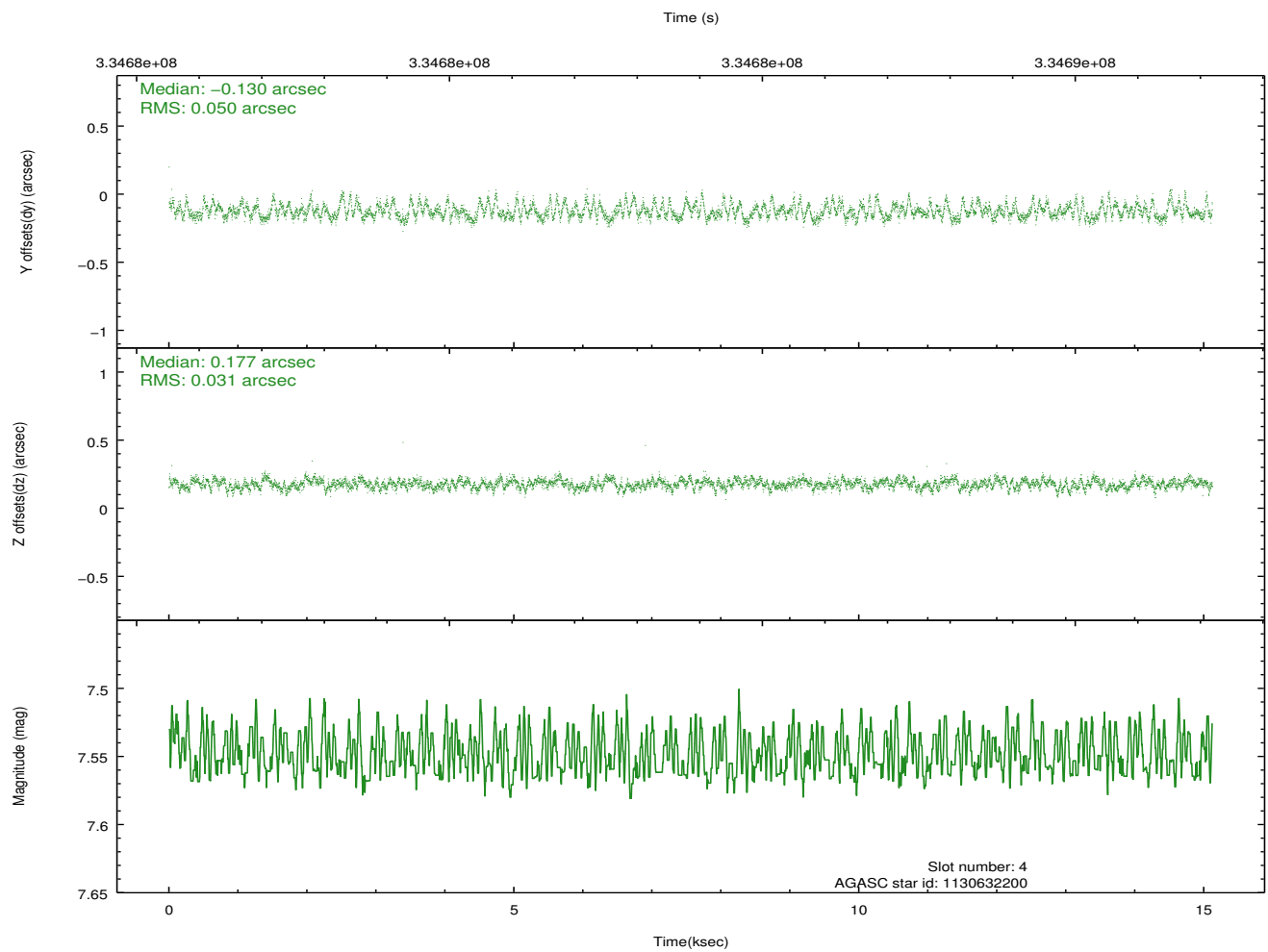
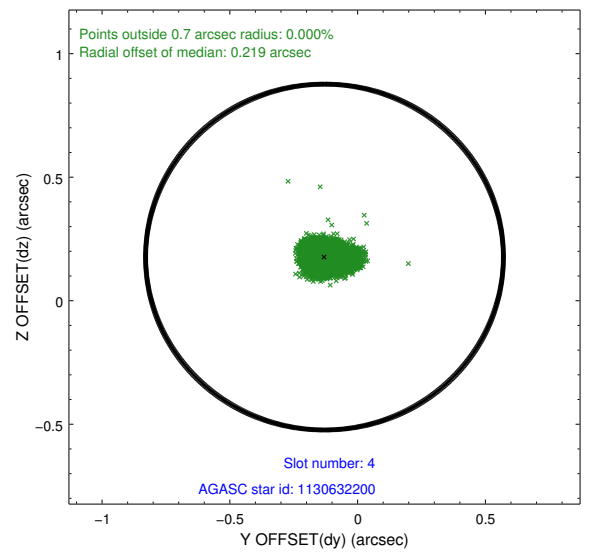
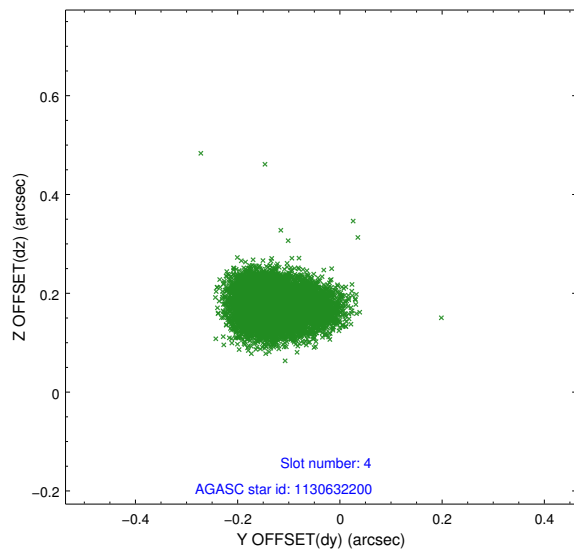
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	3689	-0.030	0.030	0.027	0.041	0.000000	0.000000	926.30	-838.35
1	FID	ACIS-I-4	6.99	3689	0.138	0.017	0.017	0.027	0.000000	0.000000	2146.66	1061.30
2	FID	ACIS-I-5	7.04	3689	-0.208	0.024	0.013	0.018	0.000000	0.000000	-1821.51	1059.47
3	GUIDE	1130632064	8.50	7378	-0.119	0.129	0.074	0.117	160.452382	-59.130948	-347.54	-2277.27
4	GUIDE	1130632200	7.55	7378	-0.130	0.177	0.062	0.103	161.433843	-59.407820	-1697.27	-718.17
5	GUIDE	1128936264	8.77	7375	0.369	-0.111	0.107	0.176	159.160090	-59.355205	2165.11	-2299.55
6	GUIDE	1174020200	8.32	7375	-0.078	-0.100	0.062	0.096	160.489138	-60.487295	1245.44	2338.54
7	GUIDE	1174012960	7.13	7376	-0.045	-0.098	0.058	0.090	160.855674	-60.332270	442.20	2037.41

2.4 Star Slots

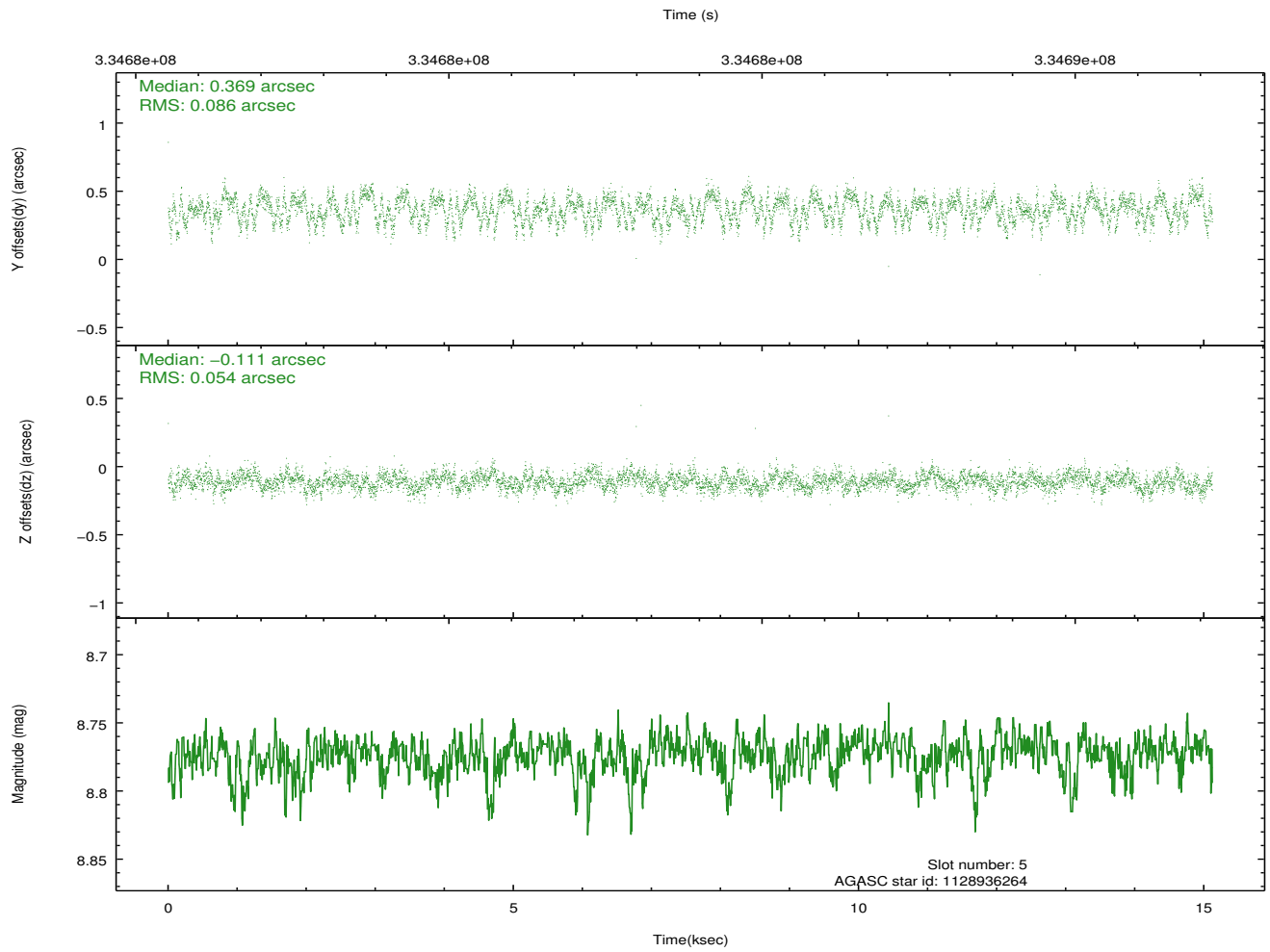
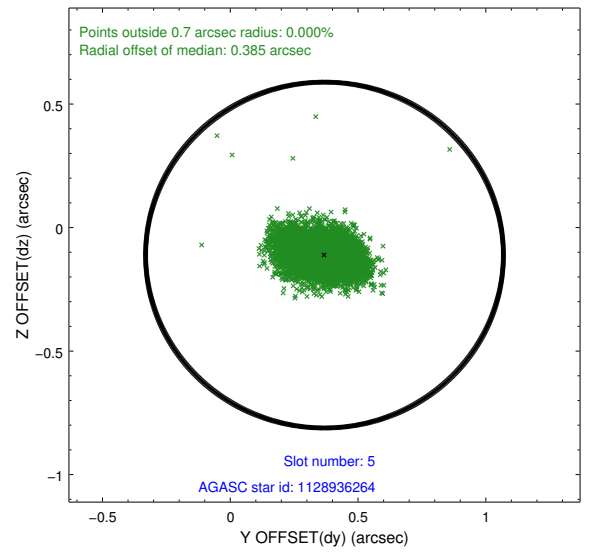
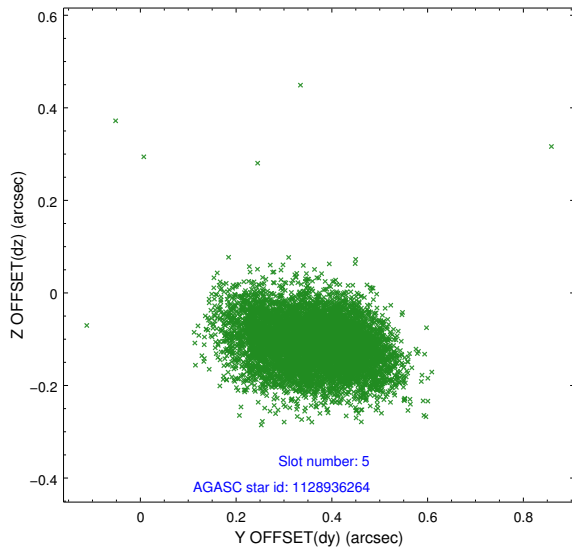
2.4.1 Slot 3



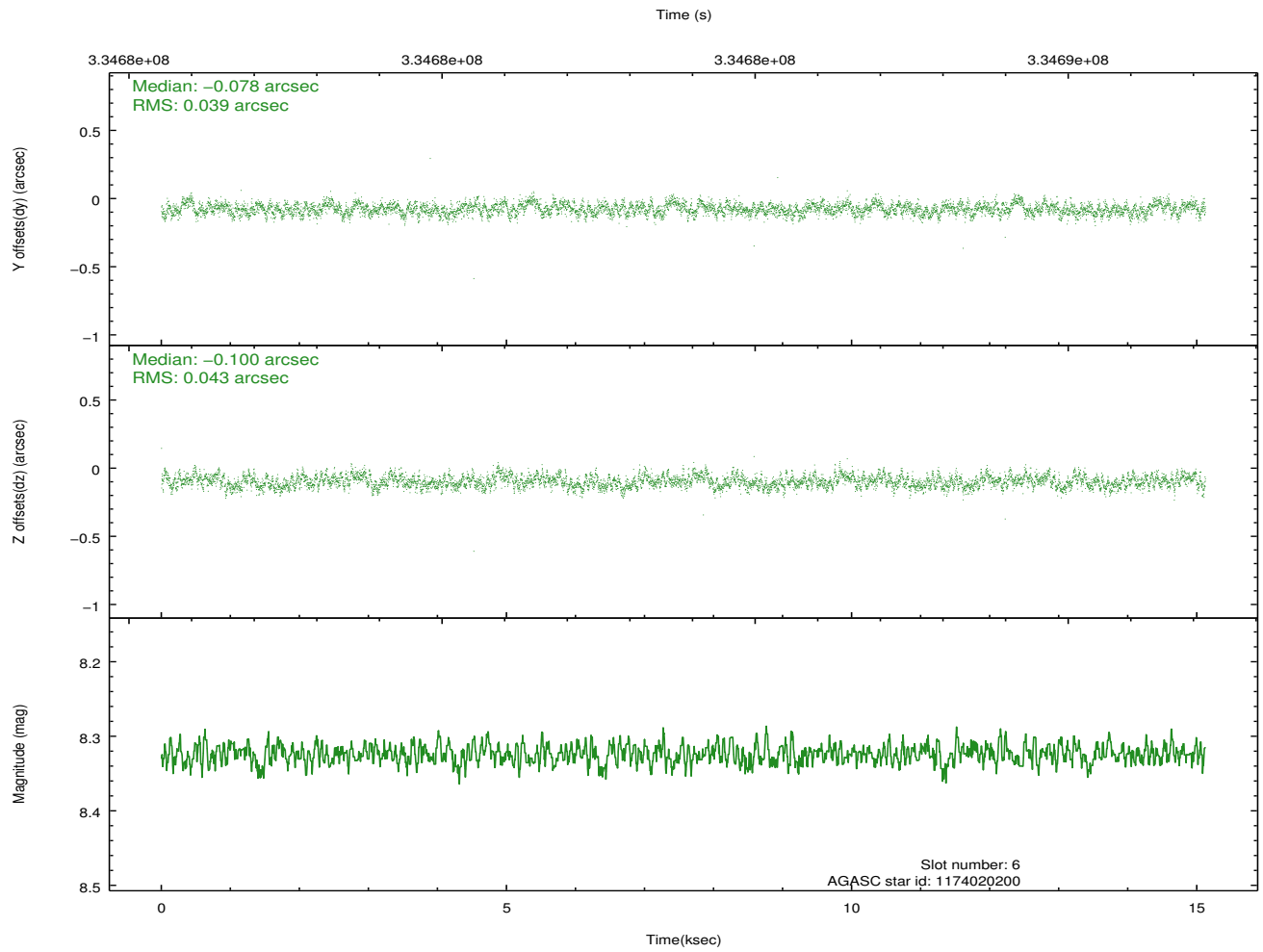
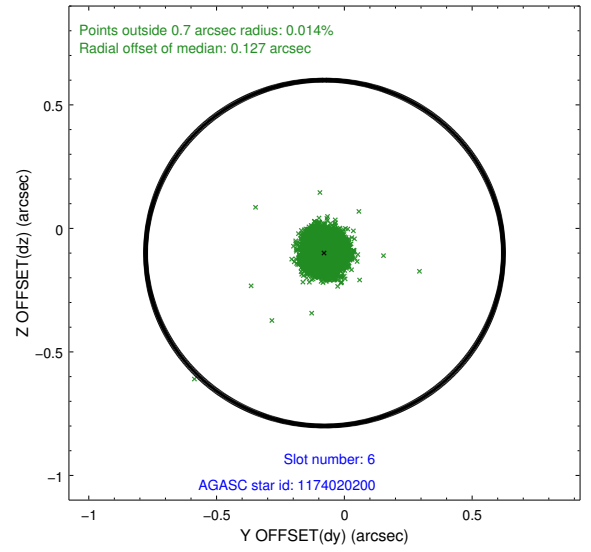
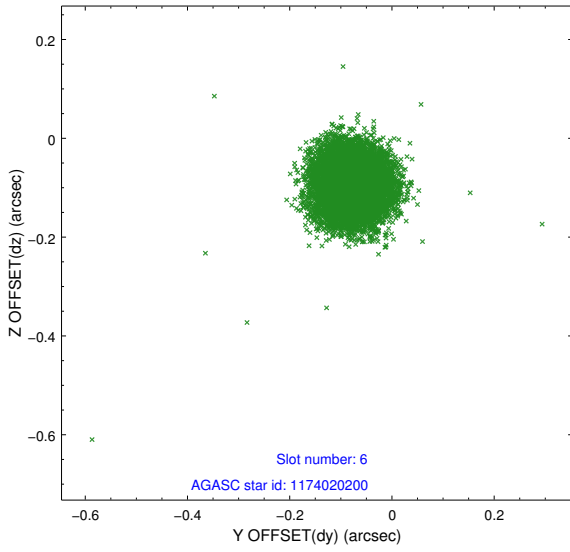
2.4.2 Slot 4



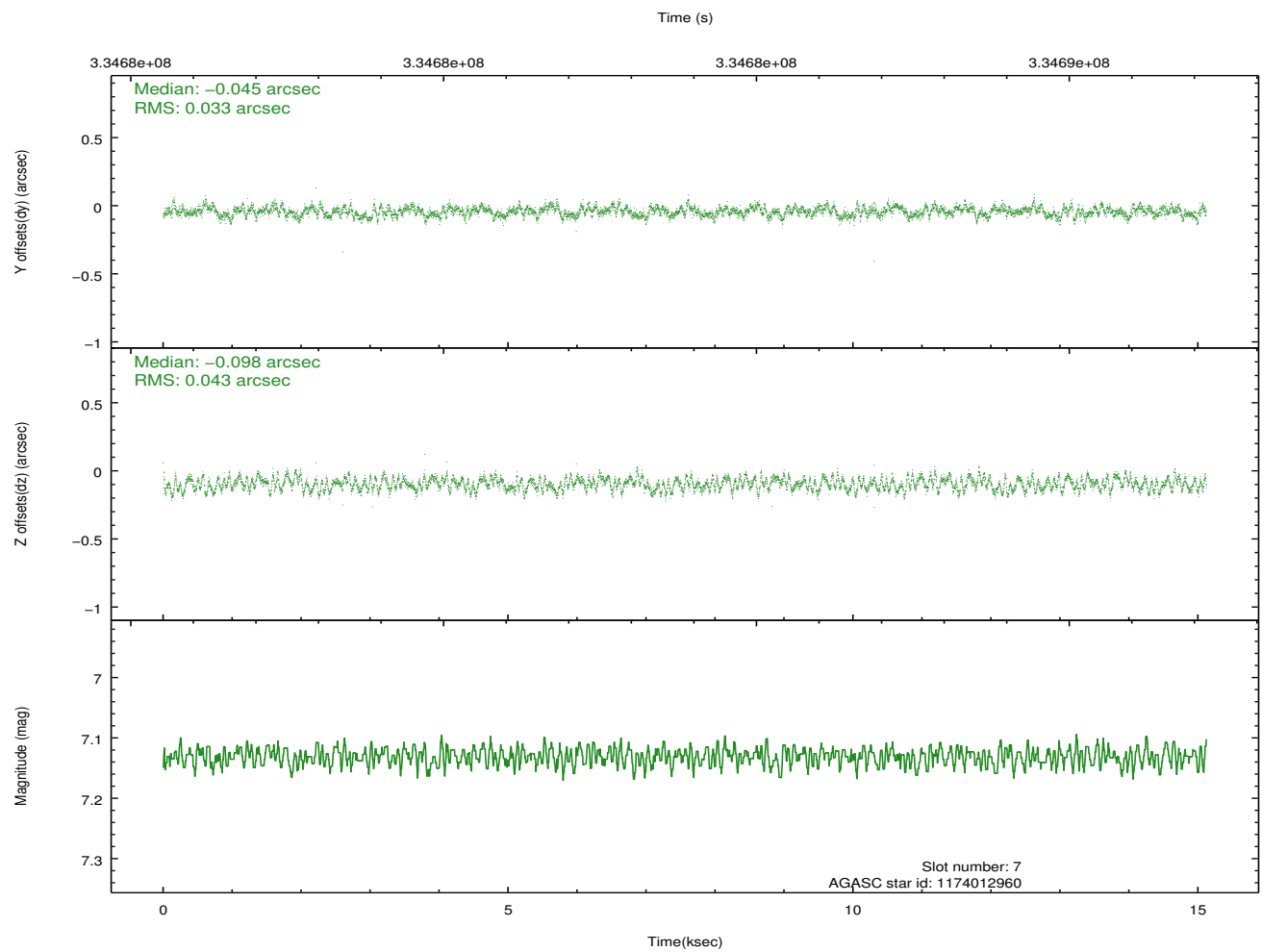
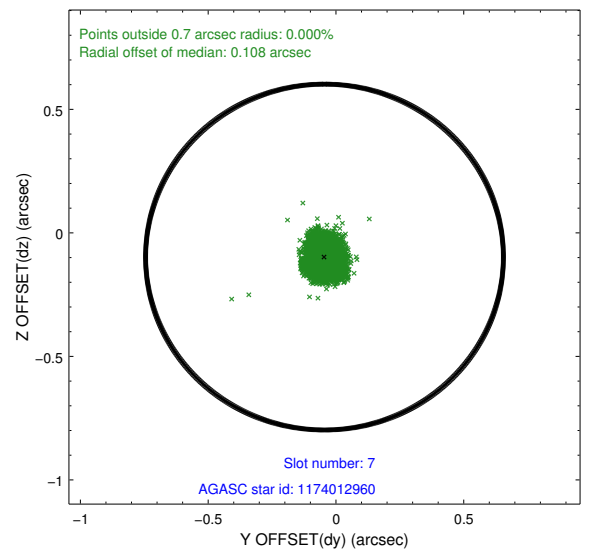
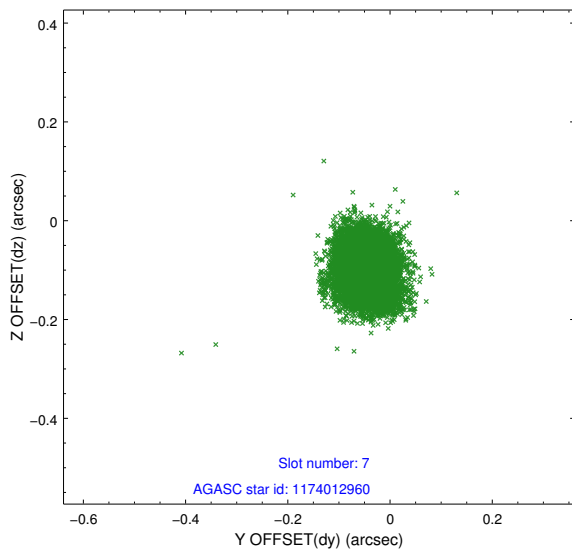
2.4.3 Slot 5



2.4.4 Slot 6

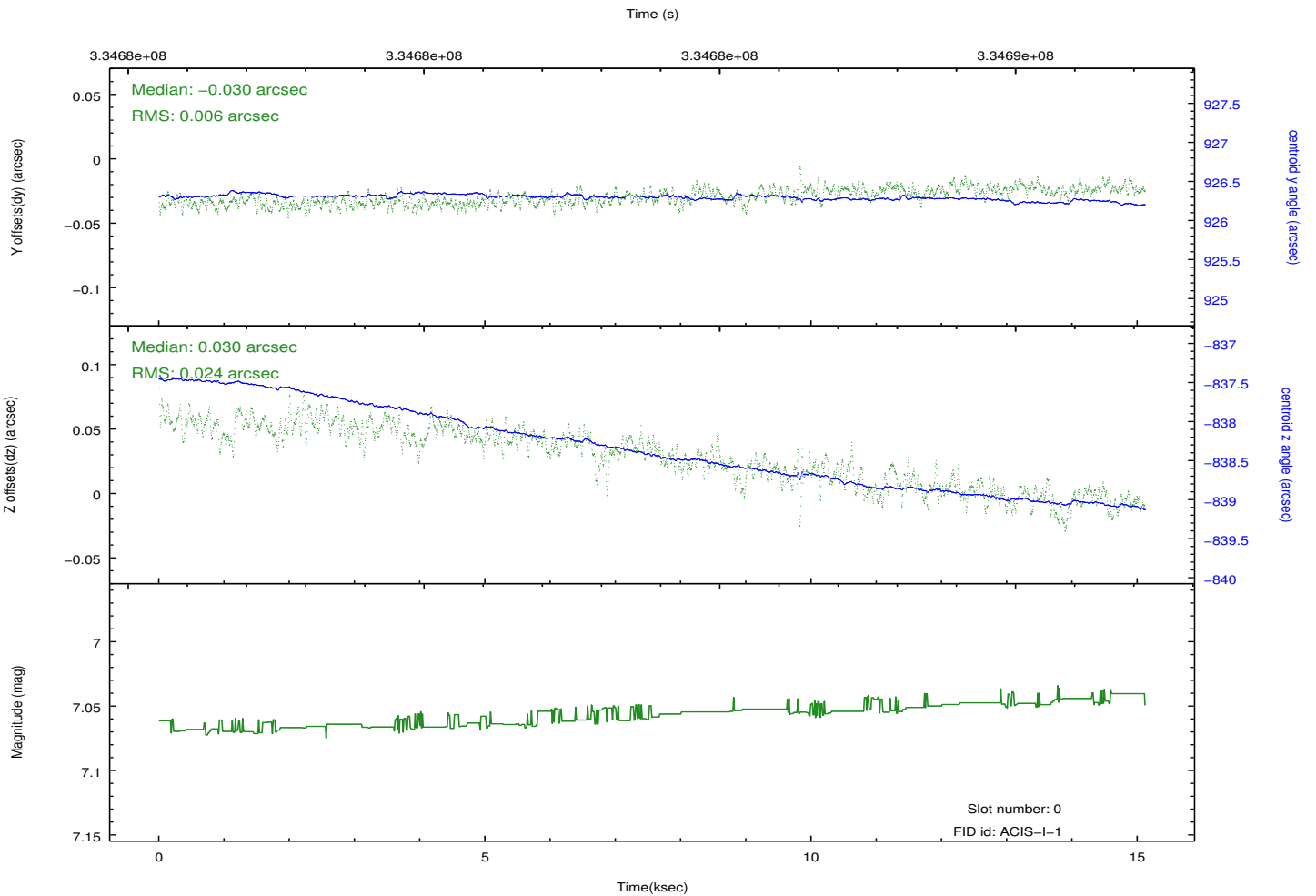
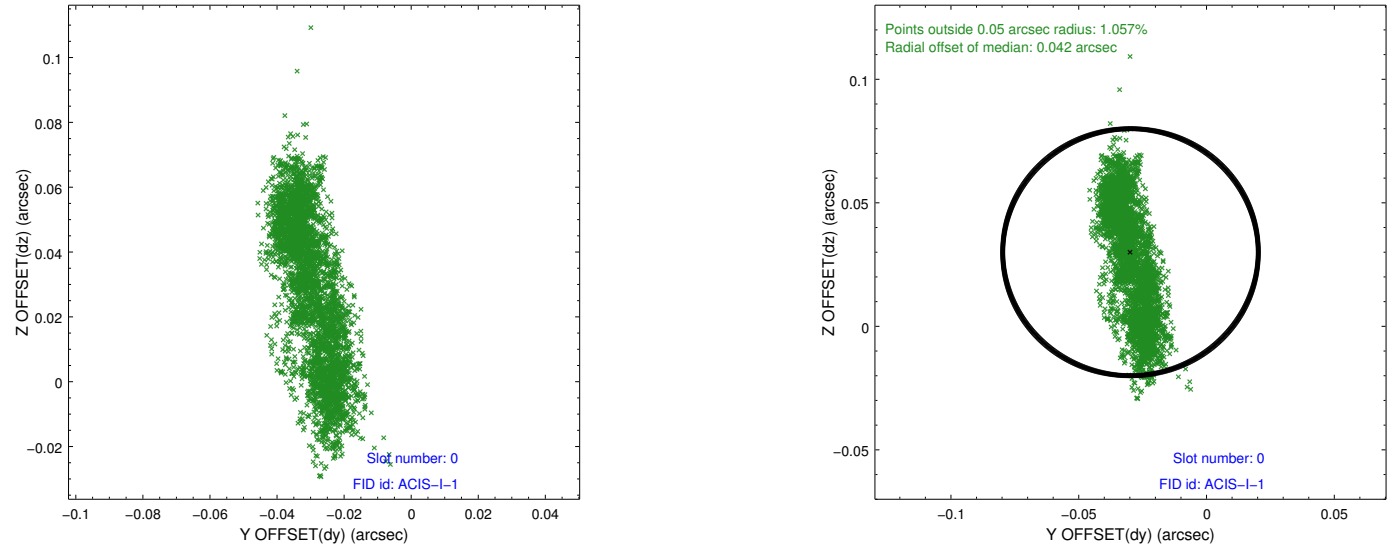


2.4.5 Slot 7

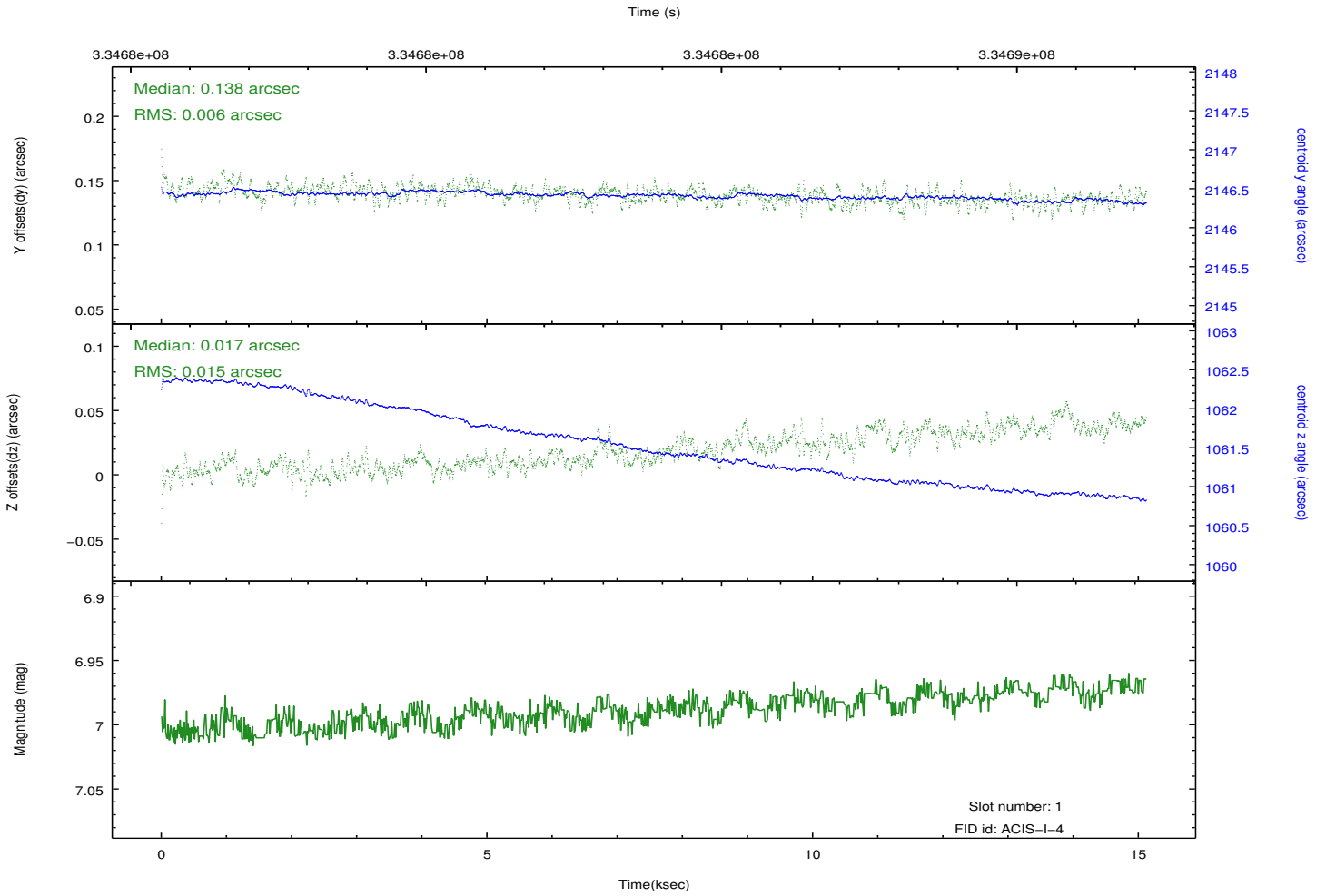
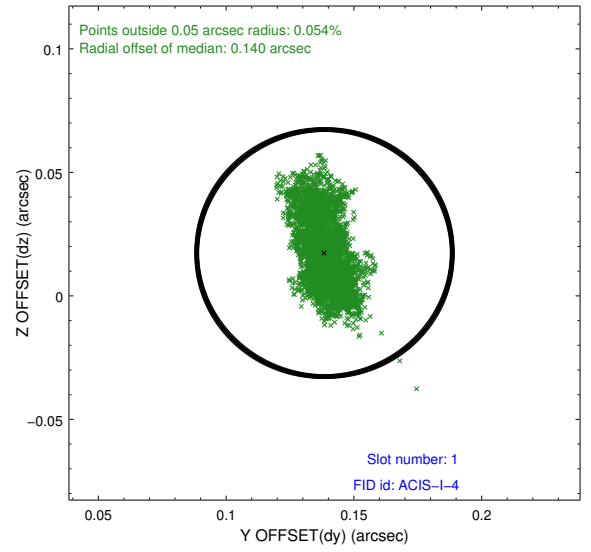
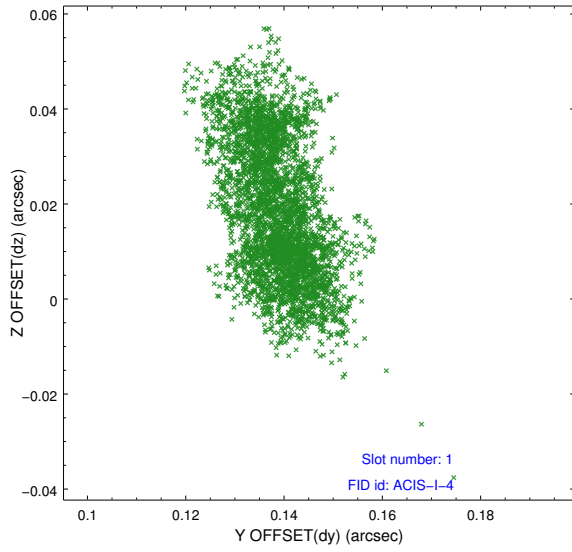


2.5 FID Slots

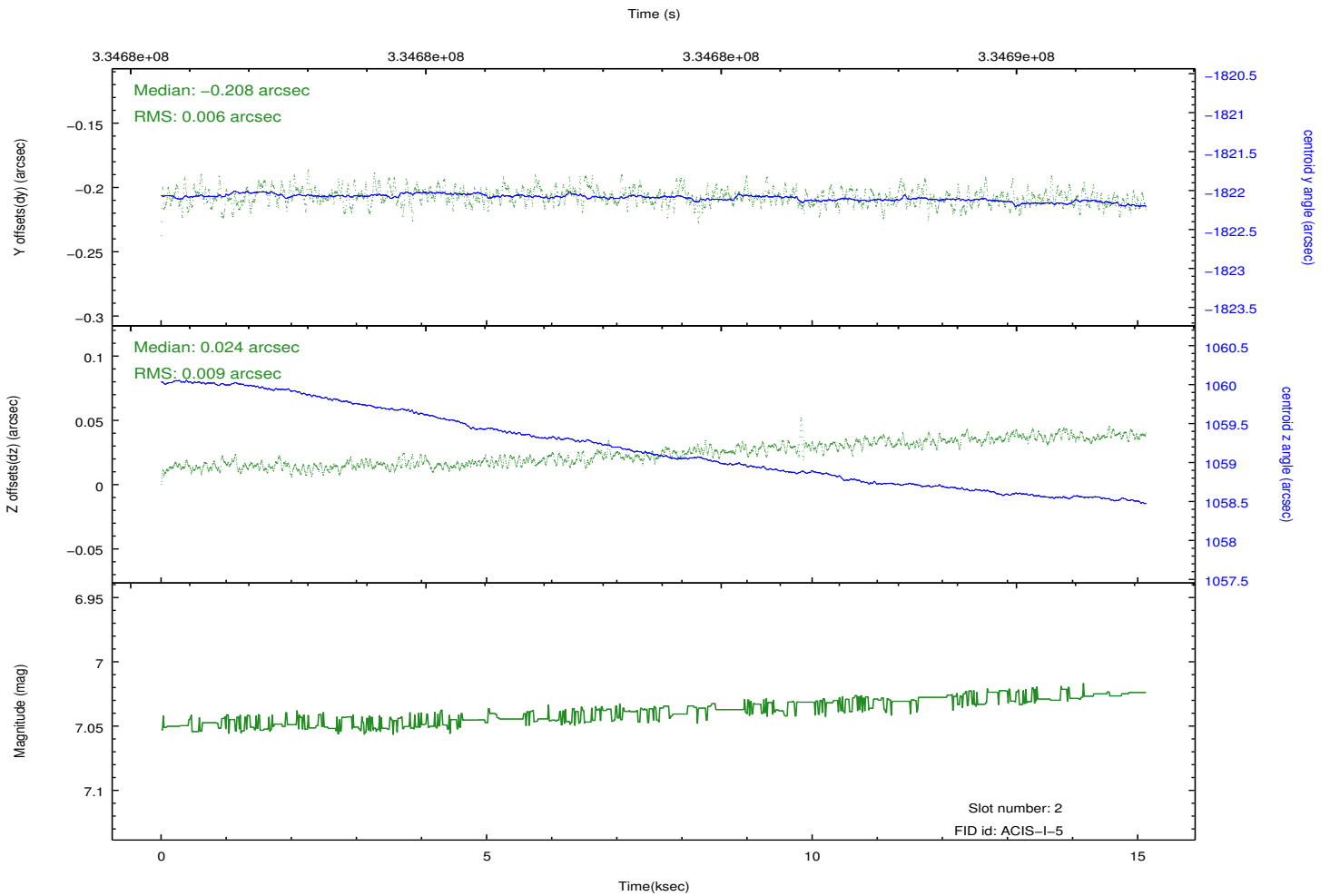
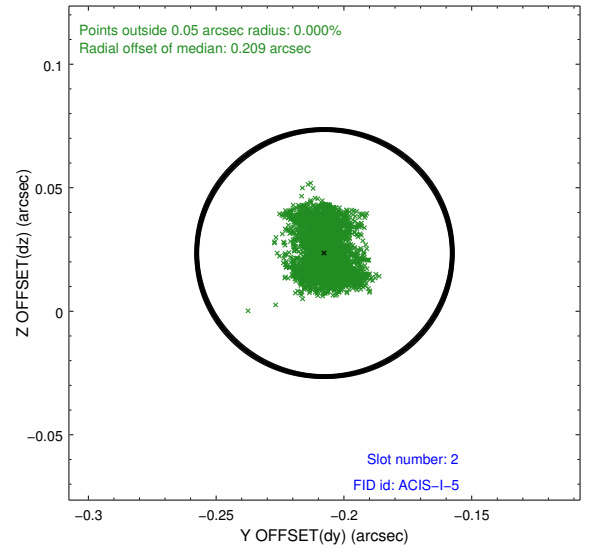
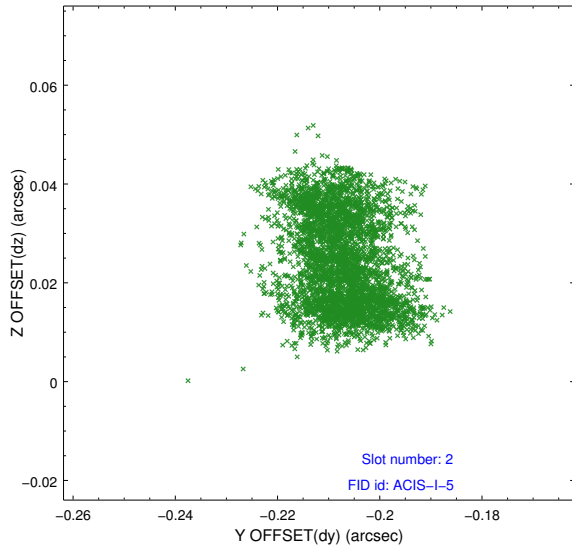
2.5.1 Slot 0



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)	2012.05.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.1135589

A.2 Comments