

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10234 - L2 Version 2
Chandra X-Ray Center

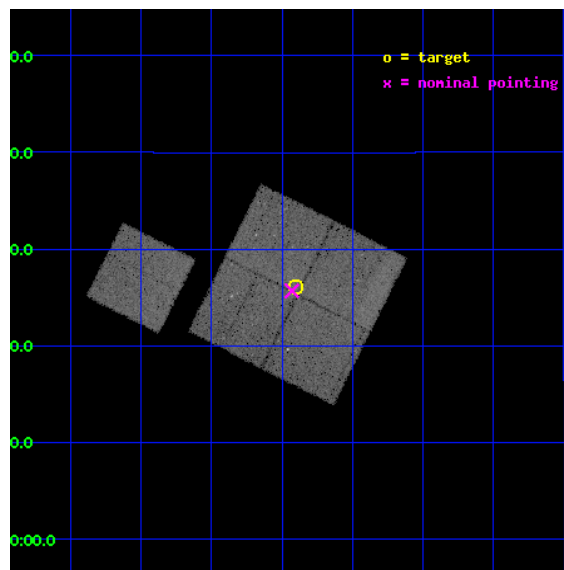
L2 Processing Date : May 29 2012

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1 Front

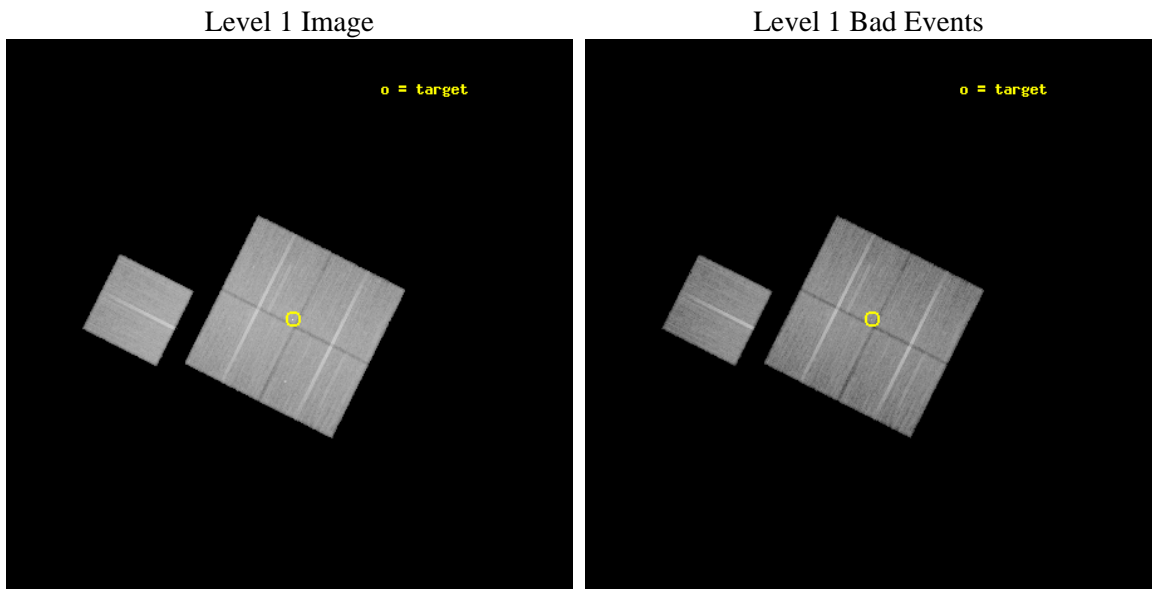
seq_num	701777	Sequence number
obs_id	10234	Observation id
title	The multi-faceted X-ray activity of low-redshift active galaxies	P
observer	Prof Mark Birkinshaw	Principal investigator
object	3C 98	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	59.726667	Observer's specified target RA [deg]
dec_targ	10.434167	Observer's specified target Dec [deg]
ra_nom	59.73238144993	Nominal RA [deg]
dec_nom	10.428344108917	Nominal Dec [deg]
roll_nom	296.69960006728	Nominal Roll [deg]
revision	2	Processing version of data
ontime	32131.459246933	Sum of GTIs [s]
livetime	31711.638077036	Livetime [s]
ontime0	32128.31823653	Sum of GTIs [s]
ontime1	32122.036265552	Sum of GTIs [s]
ontime2	32128.318226516	Sum of GTIs [s]
ontime3	32131.459246933	Sum of GTIs [s]
ontime6	32134.600247145	Sum of GTIs [s]
l2events	117008	Number of level 2 events



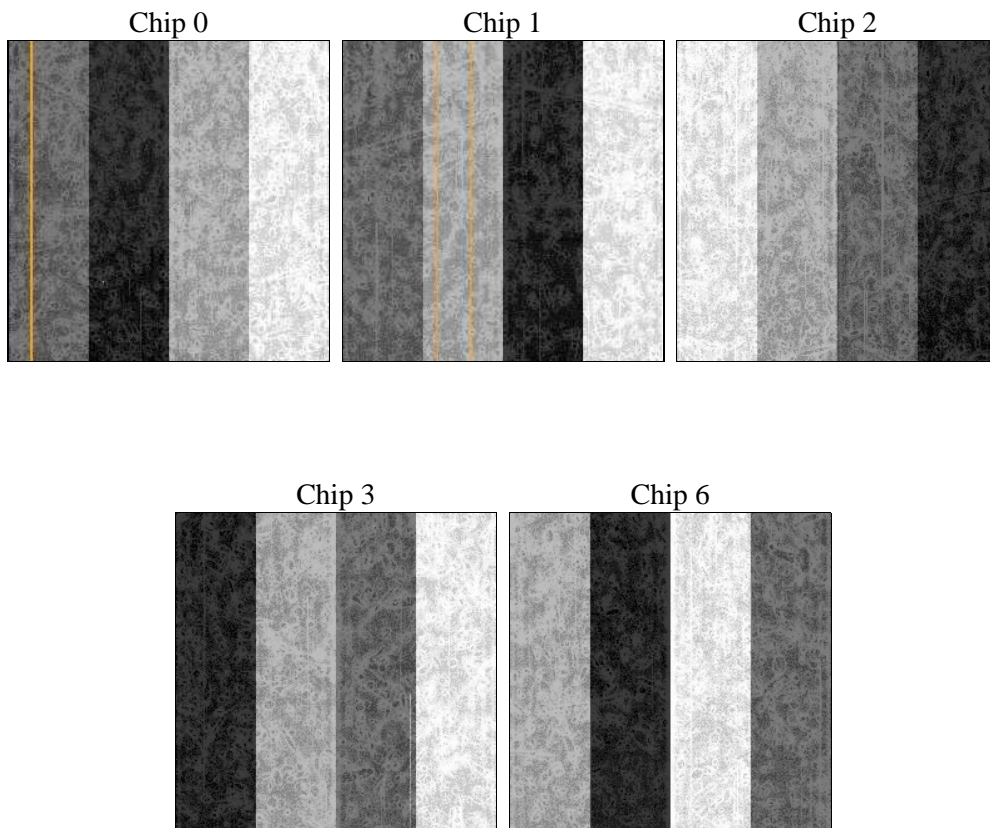
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	32000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	32131.459246933	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	32128.31823653	Sum of GTIs [s]
date	2012-05-29T15:31:00	Date and time of file creation	ontime1	32122.036265552	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	32128.318226516	Sum of GTIs [s]
			ontime3	32131.459246933	Sum of GTIs [s]
			ontime6	32134.600247145	Sum of GTIs [s]
			l1events	1335957	Number of level 1 events

2.1.4 Events

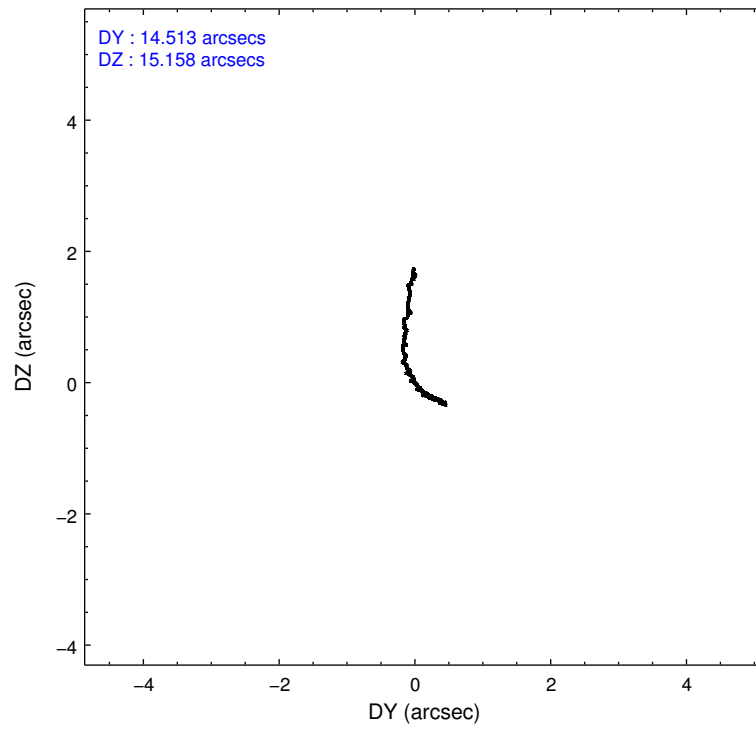
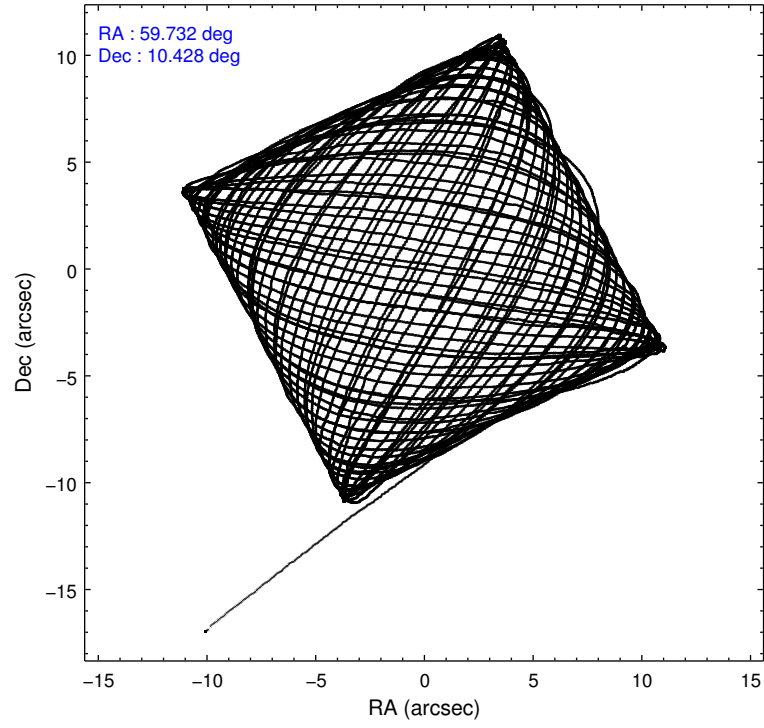
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	253810	257815	281585	271433	271314
rejected events	226481	226645	254574	243891	243737
rejected %	89%	87%	90%	89%	89%

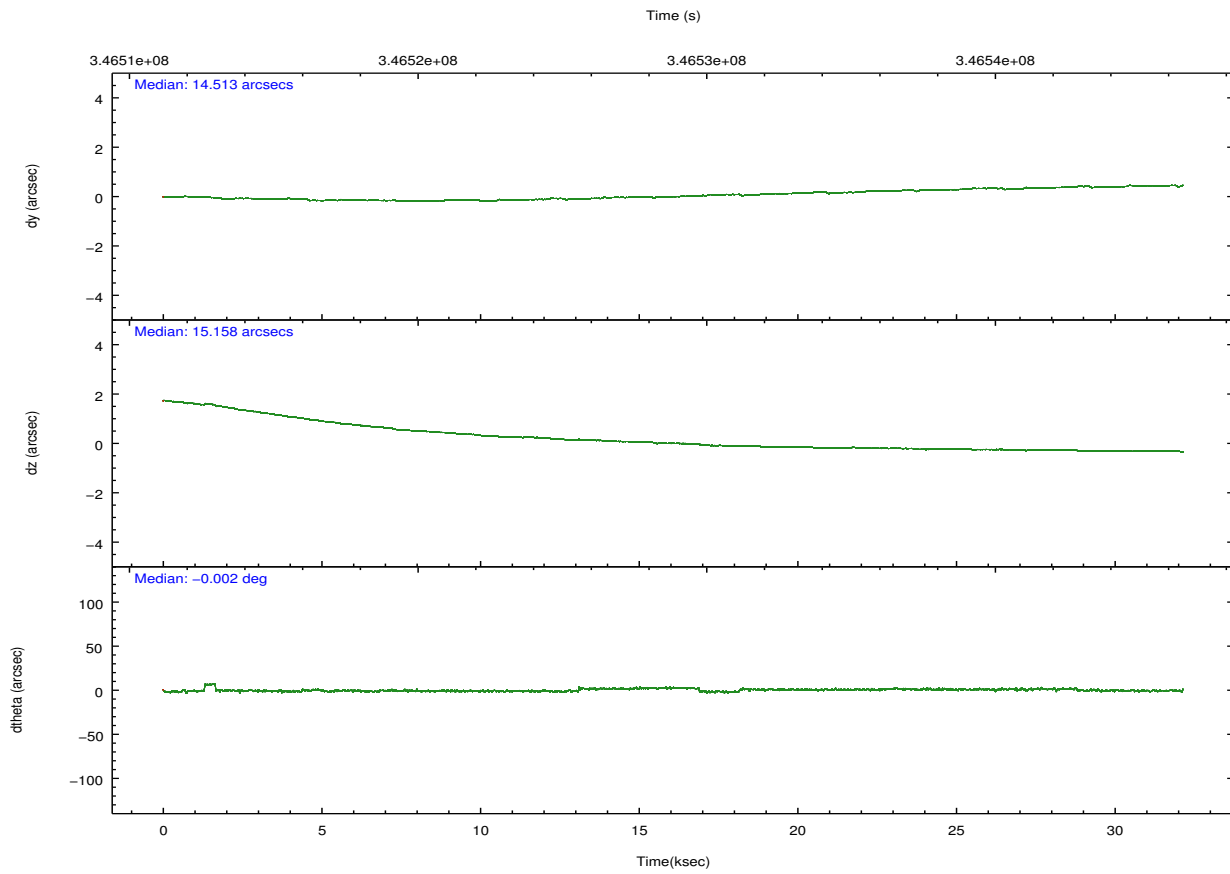
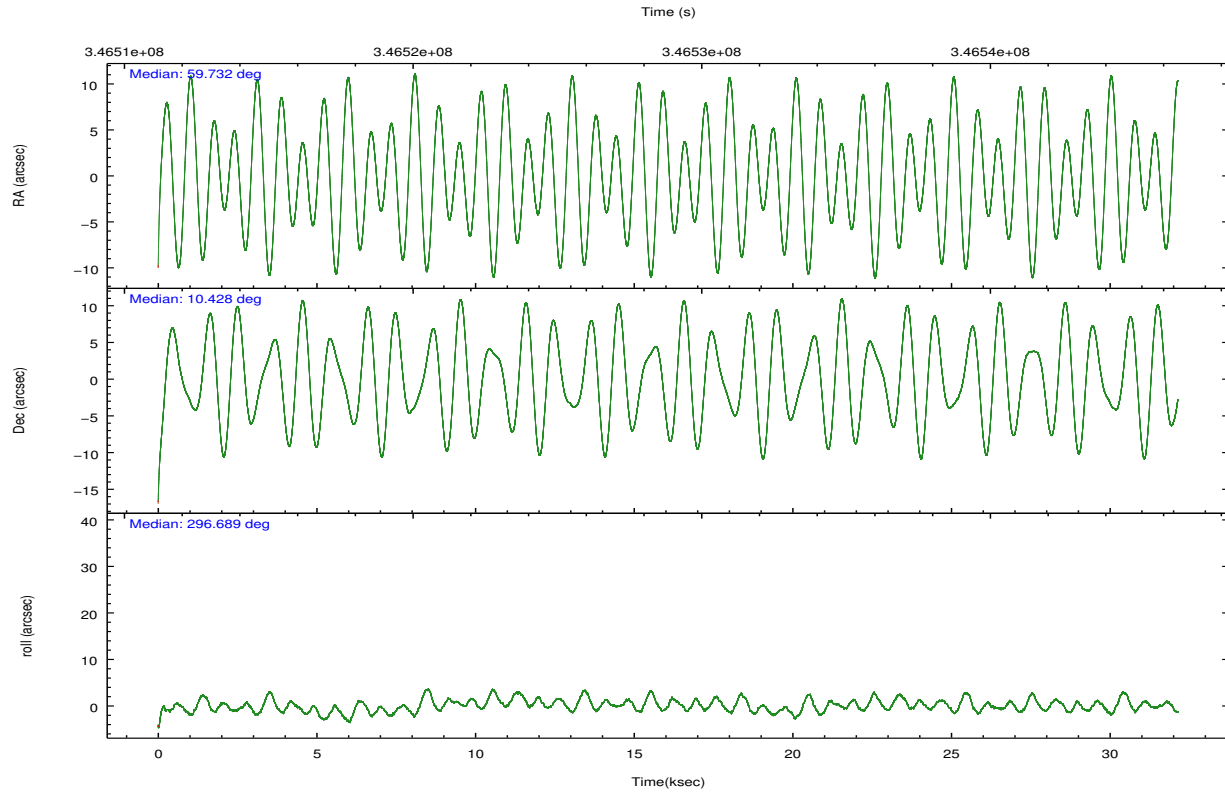
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	9770	11323	9788	10530	9697
	3%	4%	3%	3%	3%
grade 1 events	160	139	156	169	133
	0%	0%	0%	0%	0%
grade 2 events	6654	7434	6700	6005	6328
	2%	2%	2%	2%	2%
grade 3 events	3080	3268	2935	2999	3015
	1%	1%	1%	1%	1%
grade 4 events	2836	3261	2963	3004	3001
	1%	1%	1%	1%	1%
grade 5 events	9760	10889	9494	11380	11123
	3%	4%	3%	4%	4%
grade 6 events	5492	6433	5087	5495	6038
	2%	2%	1%	2%	2%
grade 7 events	216058	215068	244462	231851	231979
	85%	83%	86%	85%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	59.708942	59.73238144993023	CCD I2 on	Y	Y
[deg] Pointing Dec	10.443361	10.42834410891675	CCD I3 on	Y	Y
[deg] Pointing Roll	296.495164	296.699600067275	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	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	346512904.184000	346511645.97836	CCD S5 on	N	N
Observation start date	2008-12-24T13:33:59	2008-12-24T13:14:05	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	346544904.184000	346545781.04255	On-chip summing requested	N	N
Observation end date	2008-12-24T22:27:19	2008-12-24T22:43:01	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



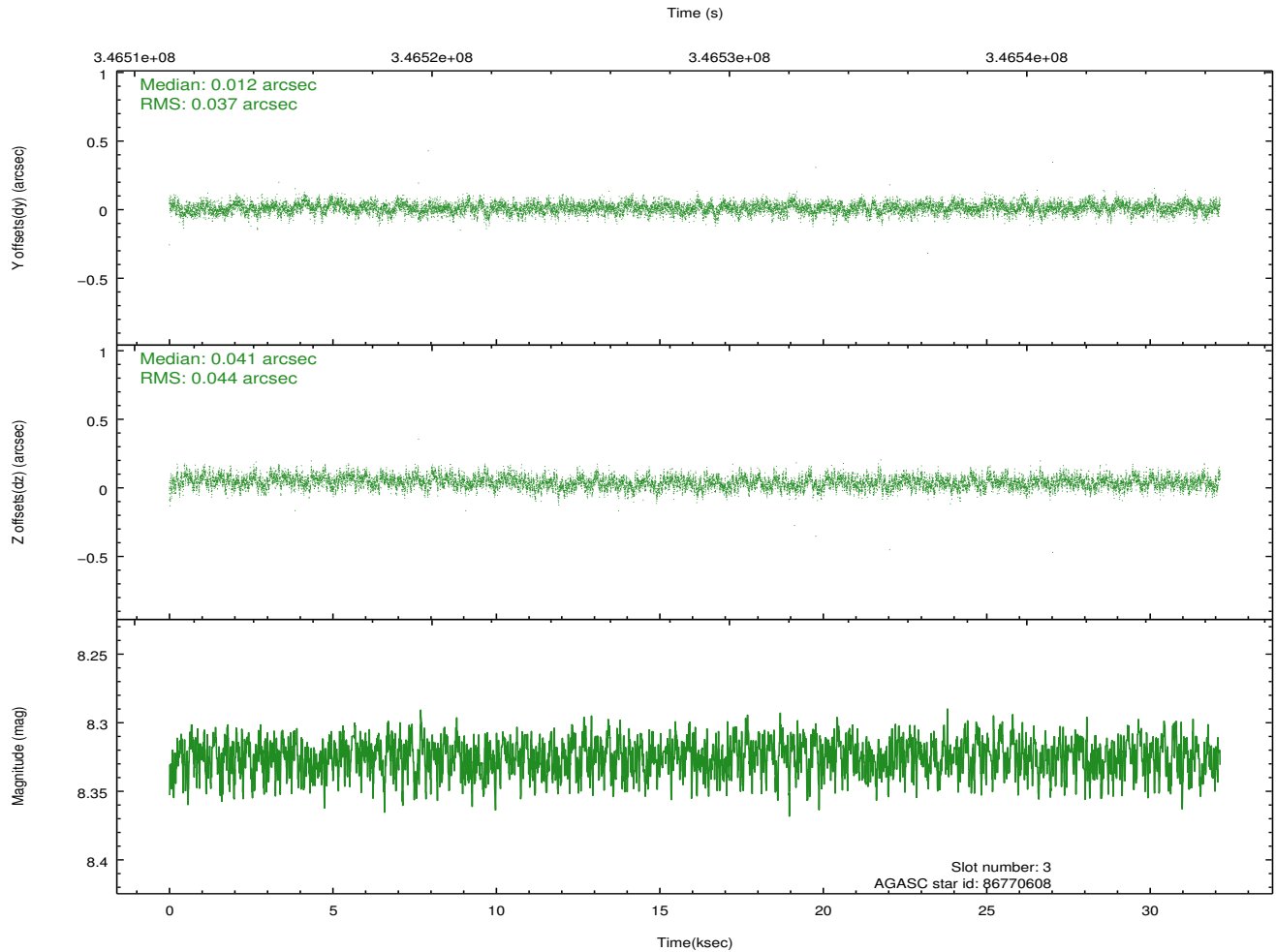
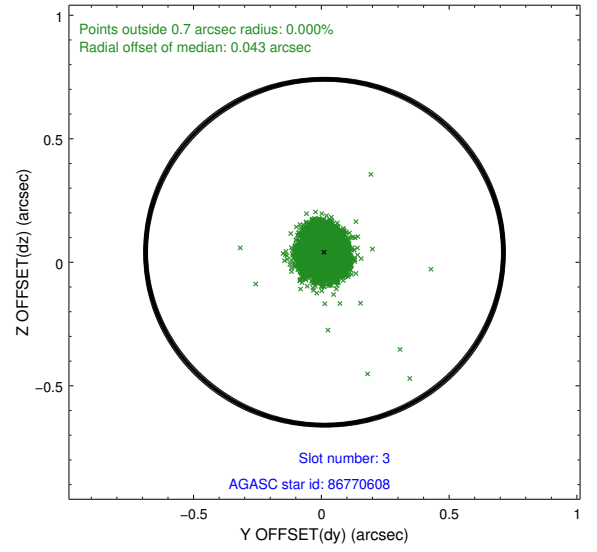
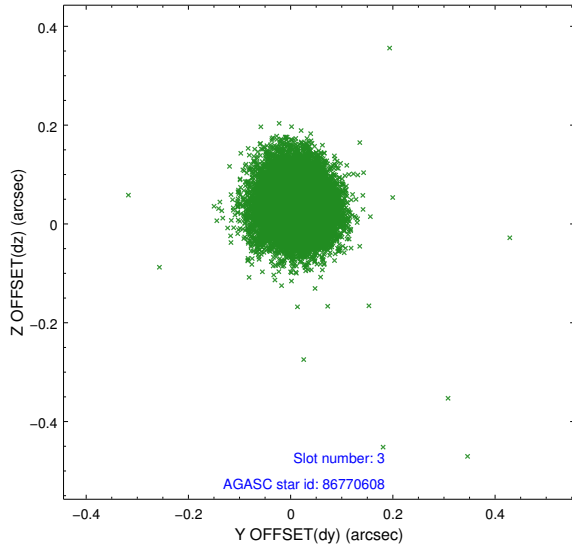


Slot Statistics

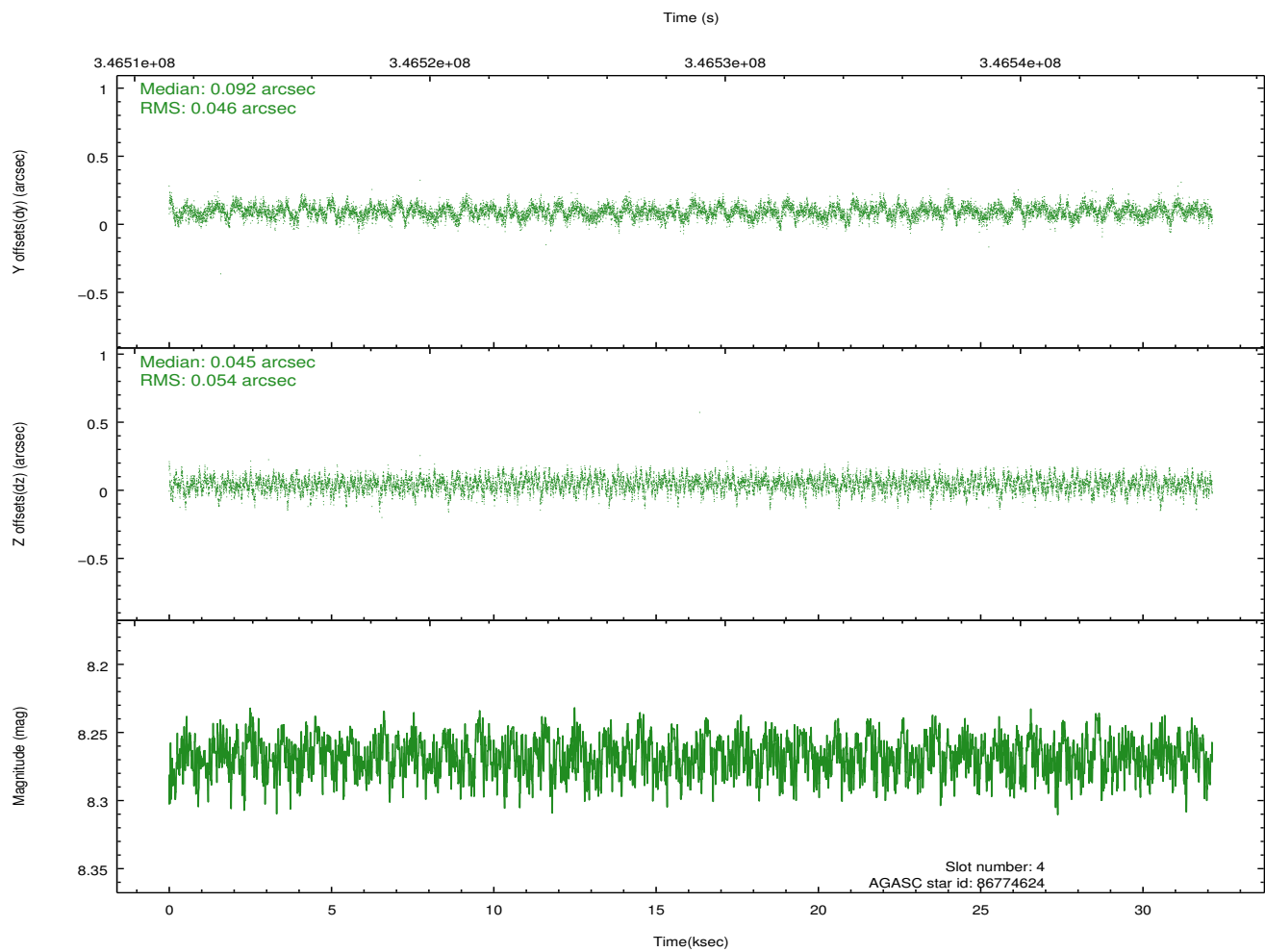
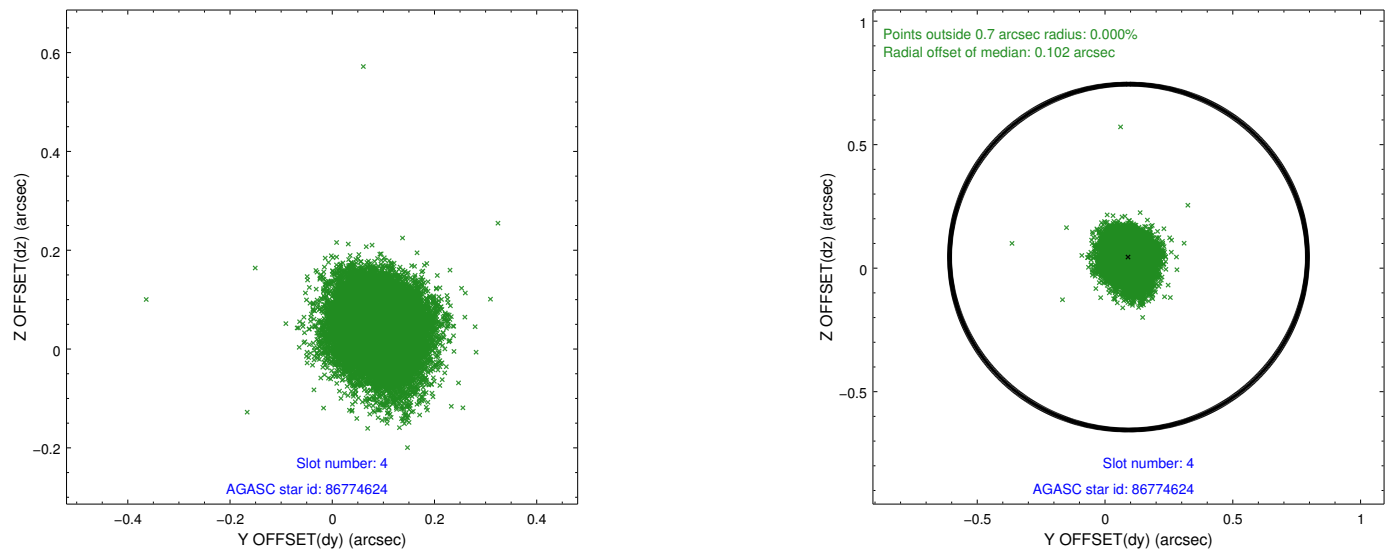
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.95	7840	-0.069	-0.065	0.026	0.050	0.000000	0.000000	-769.36	-845.43
1	FID	ACIS-I-4	6.97	7839	0.162	0.061	0.022	0.038	0.000000	0.000000	2144.91	1060.86
2	FID	ACIS-I-5	7.01	7840	-0.195	0.073	0.016	0.026	0.000000	0.000000	-1823.24	1058.78
3	GUIDE	86770608	8.32	15668	0.012	0.041	0.060	0.099	60.210558	10.796732	-348.47	2156.06
4	GUIDE	86774624	8.27	15670	0.092	0.045	0.075	0.122	59.478619	10.368509	-122.51	-849.64
5	GUIDE	86774728	6.56	15679	-0.063	-0.130	0.067	0.110	59.918738	10.330395	695.91	484.95
6	GUIDE	86777904	5.83	15679	-0.061	0.021	0.053	0.080	59.655606	11.027545	-1966.21	769.53
7	GUIDE	86777992	9.45	15660	0.020	0.025	0.115	0.181	59.231027	10.314209	-339.47	-1721.48

2.4 Star Slots

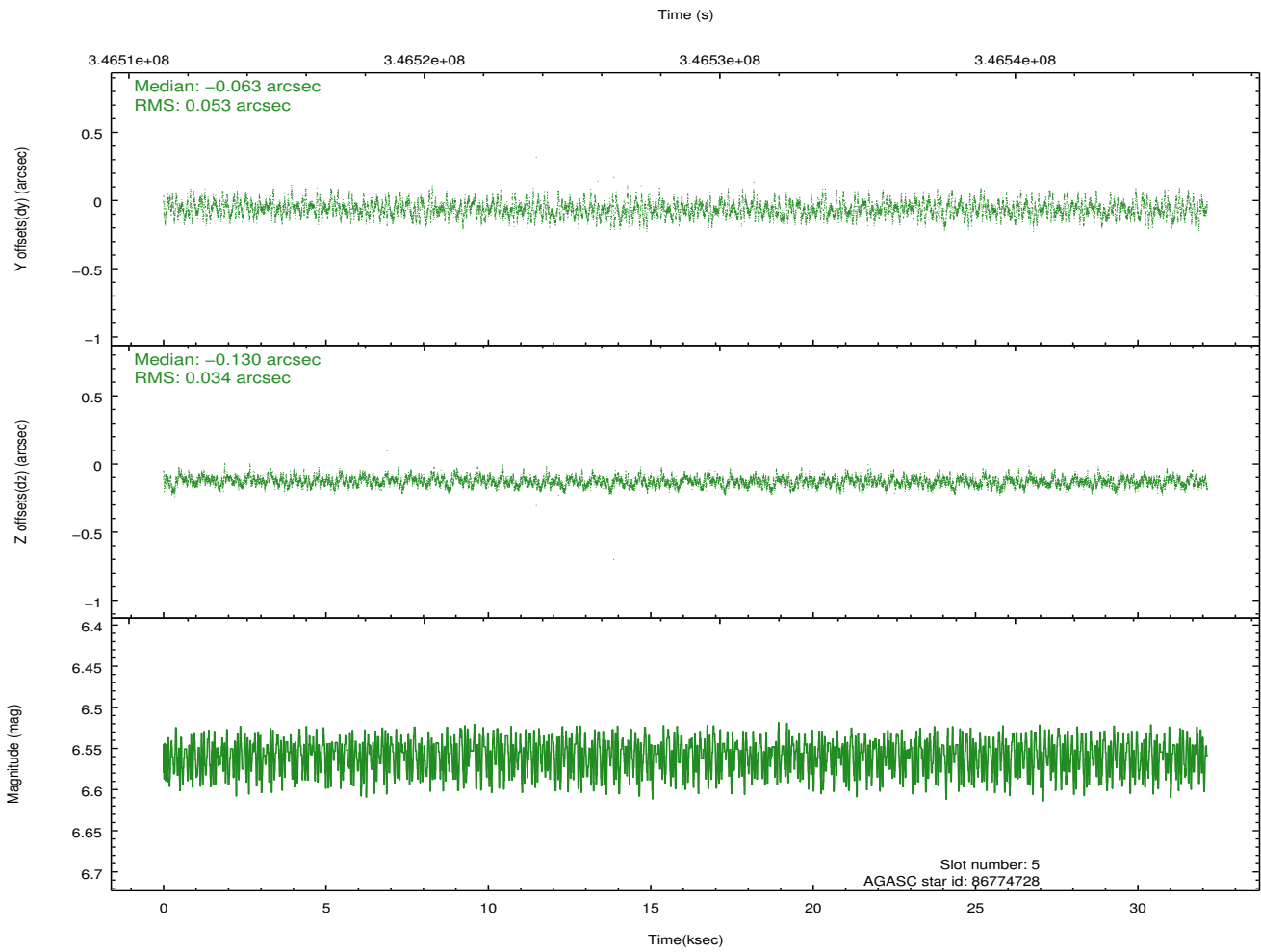
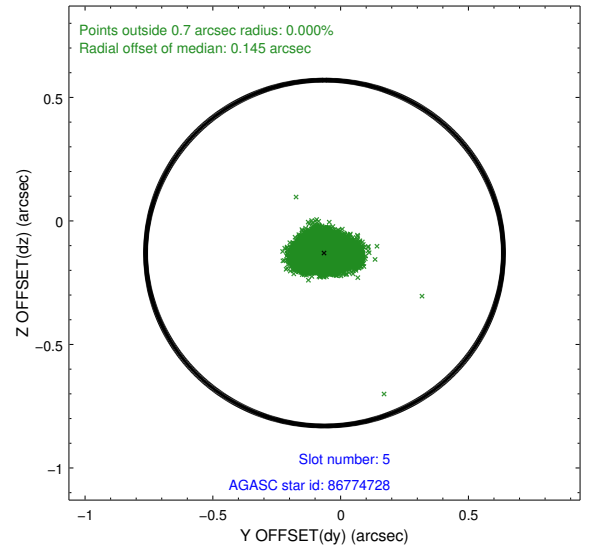
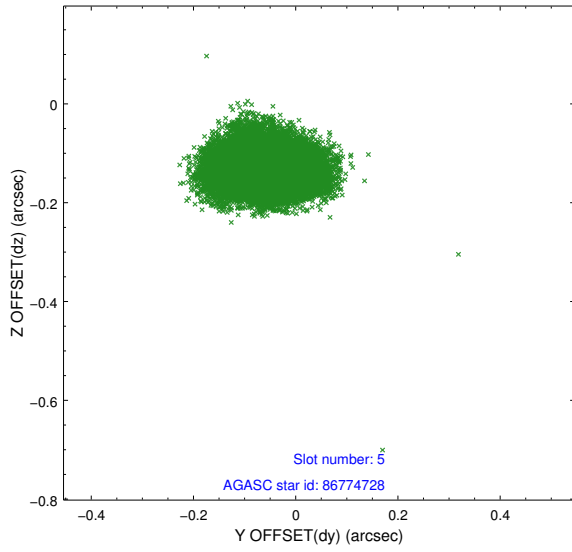
2.4.1 Slot 3



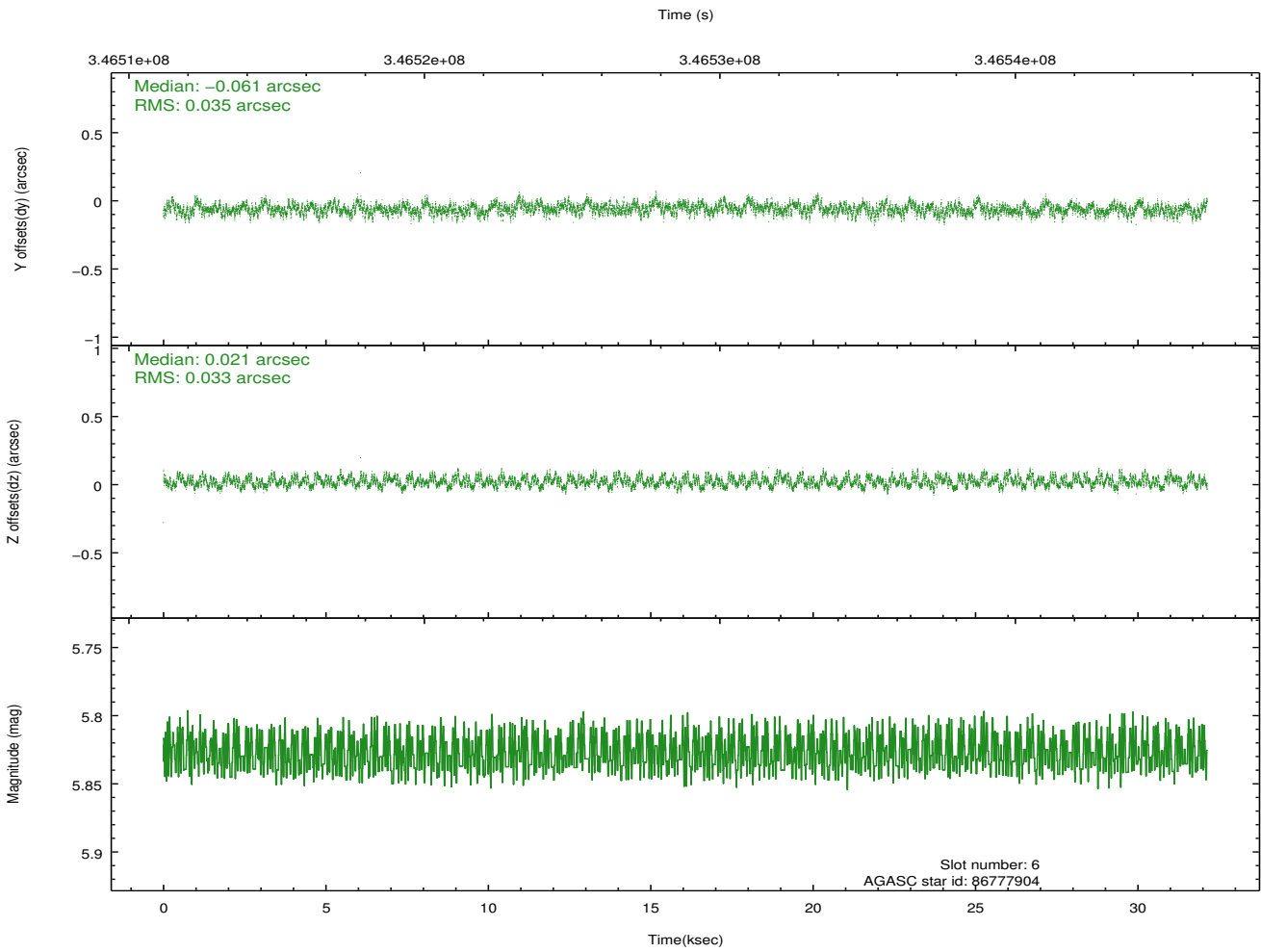
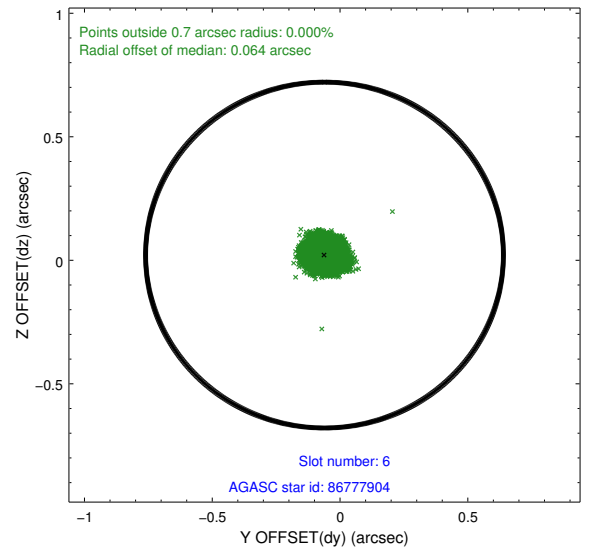
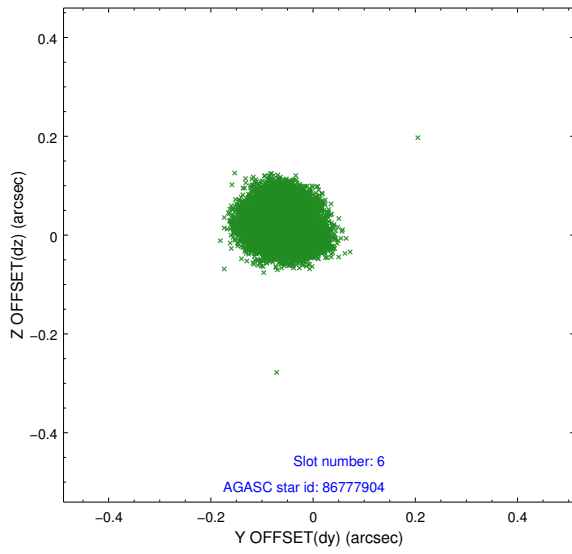
2.4.2 Slot 4



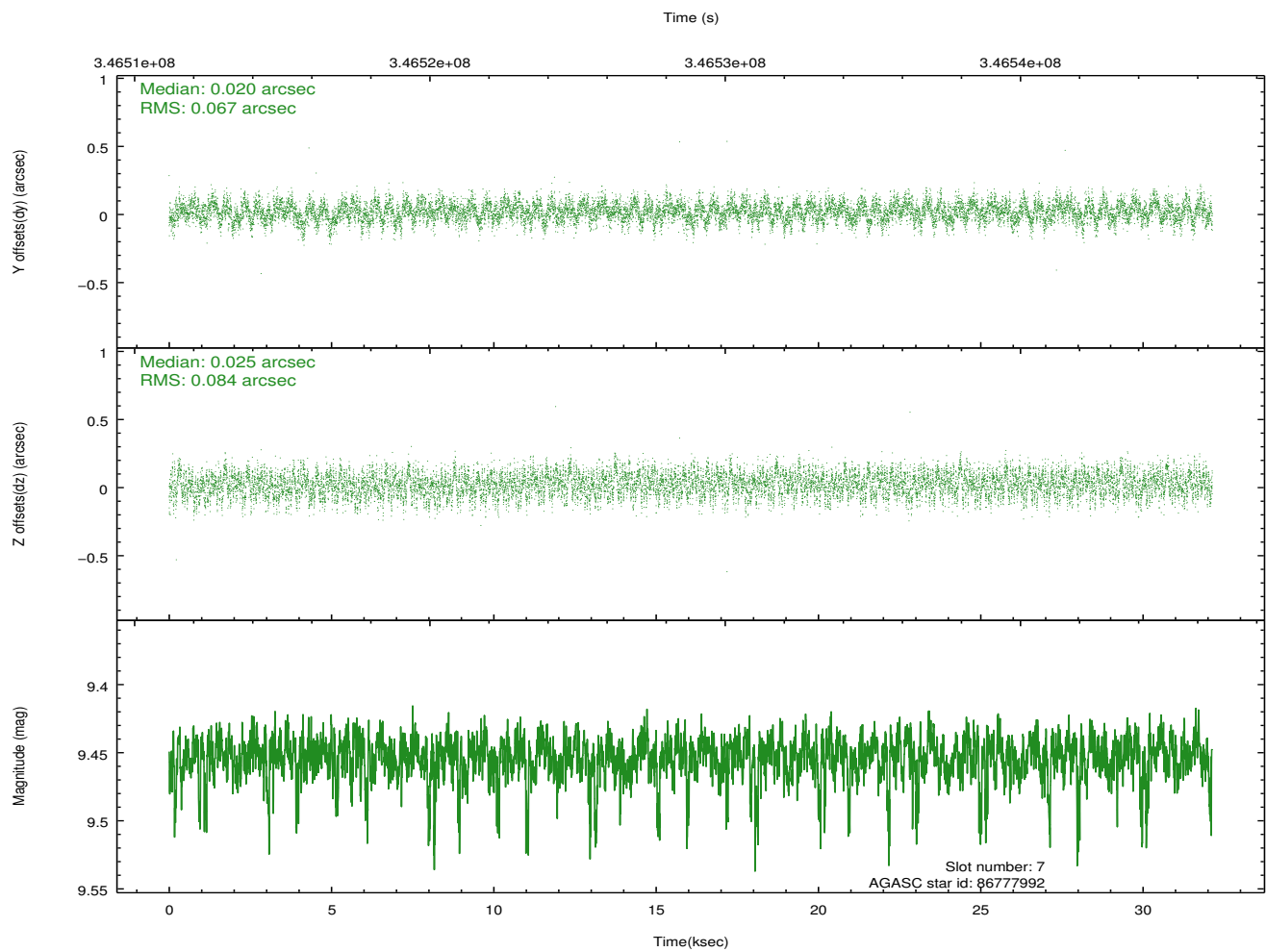
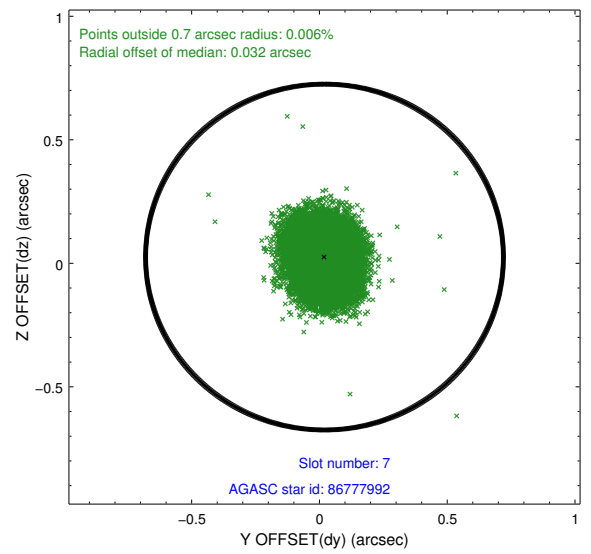
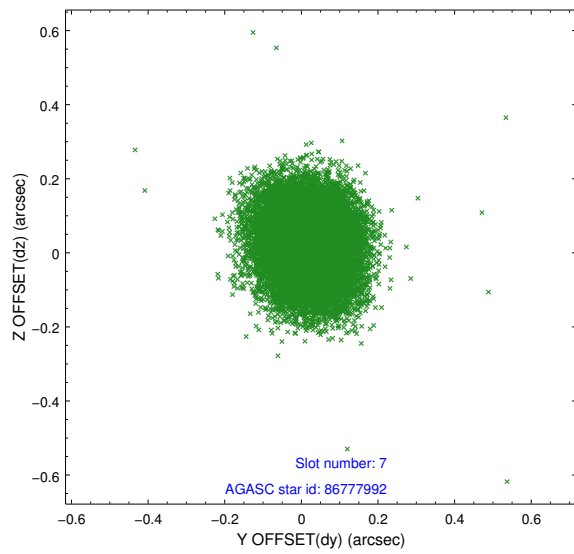
2.4.3 Slot 5



2.4.4 Slot 6

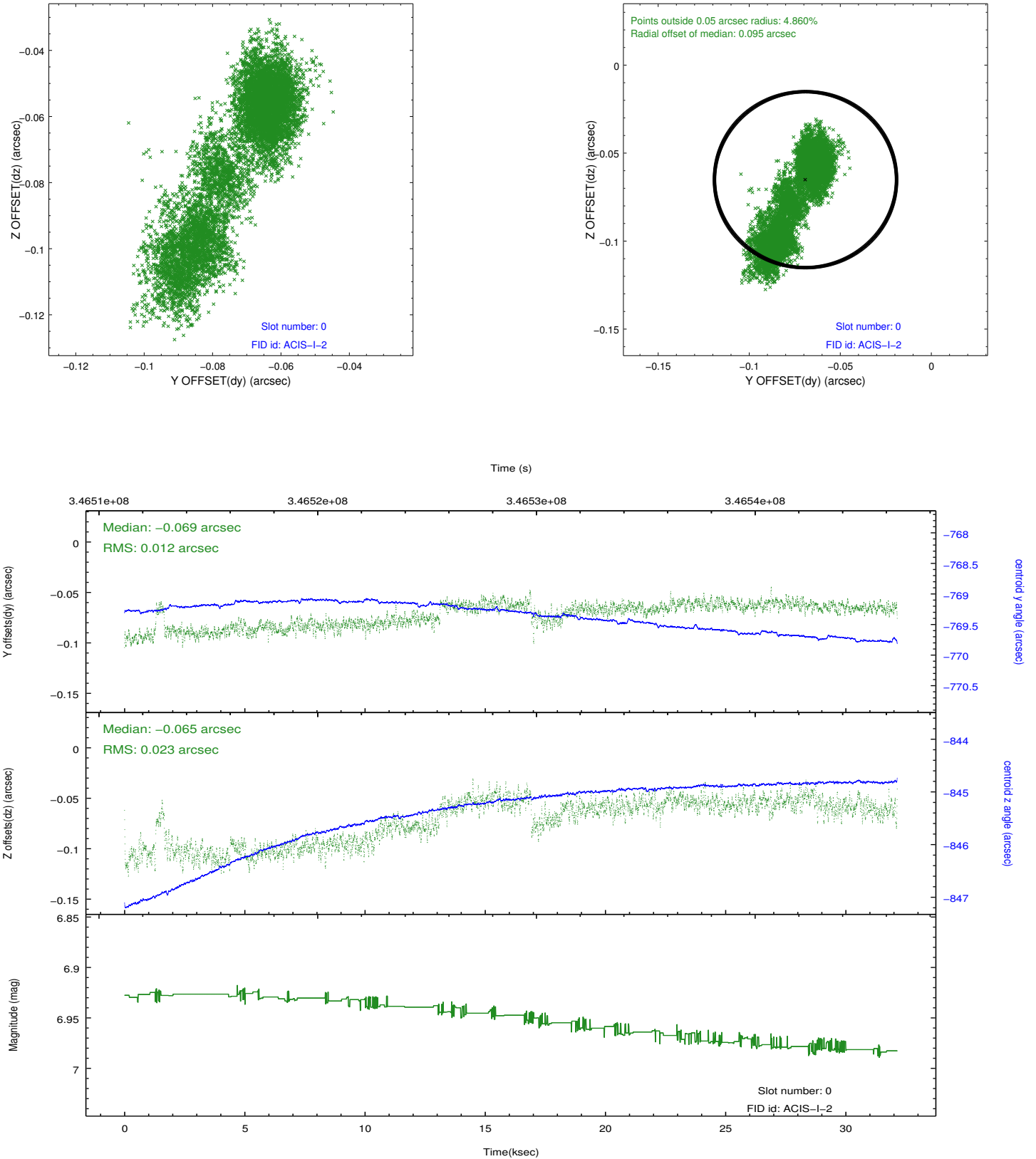


2.4.5 Slot 7

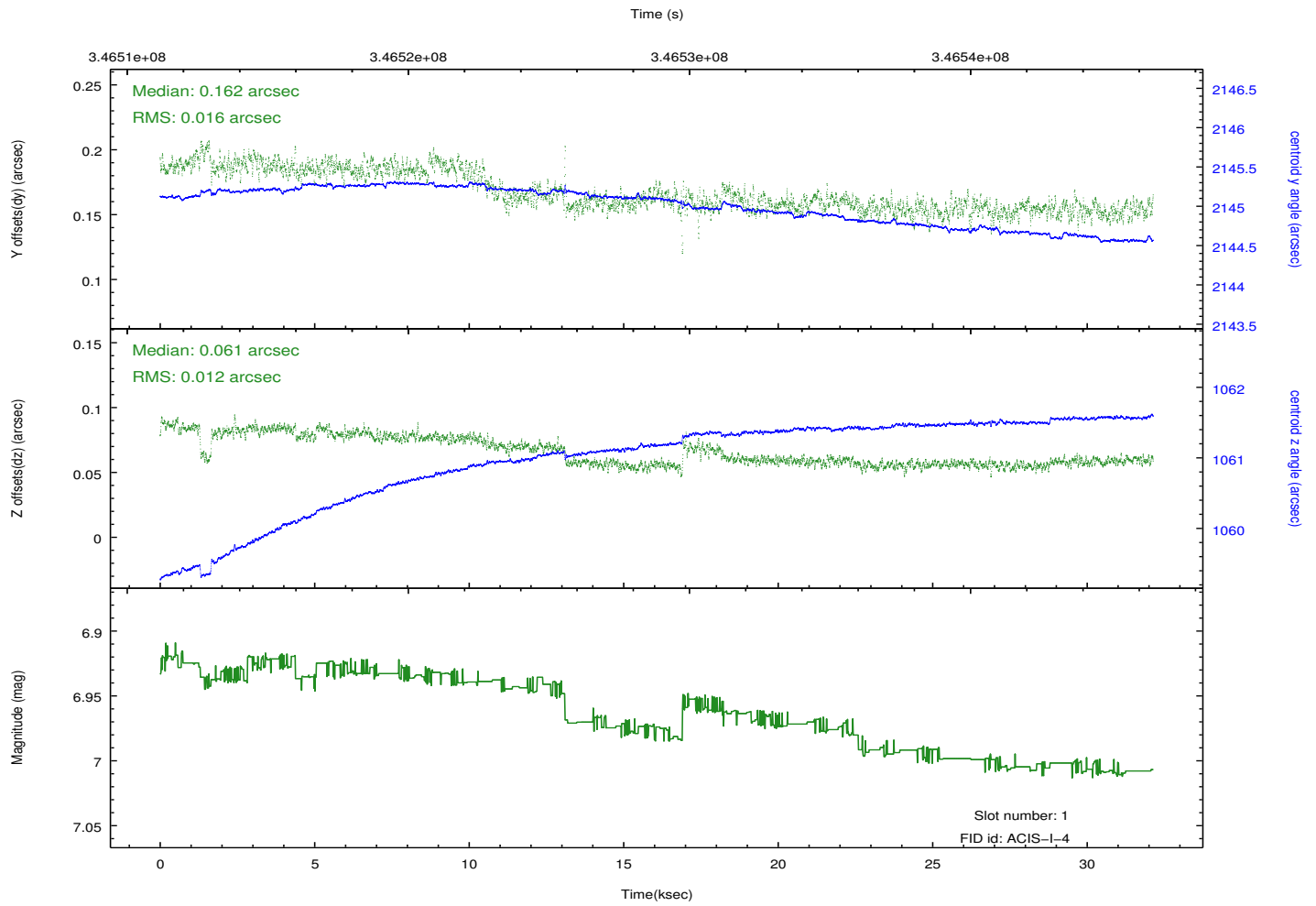
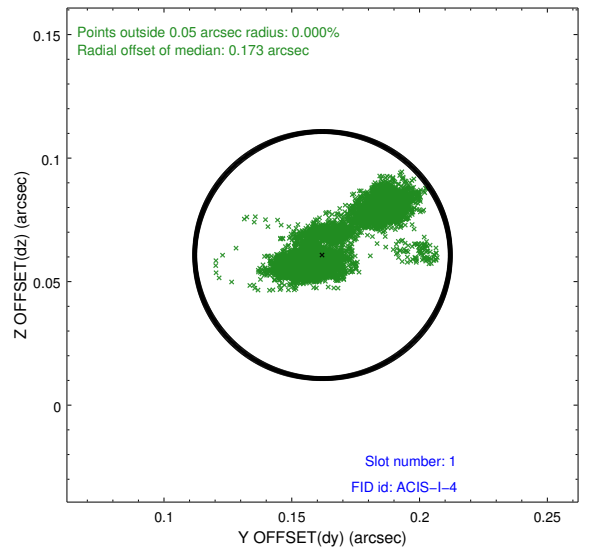
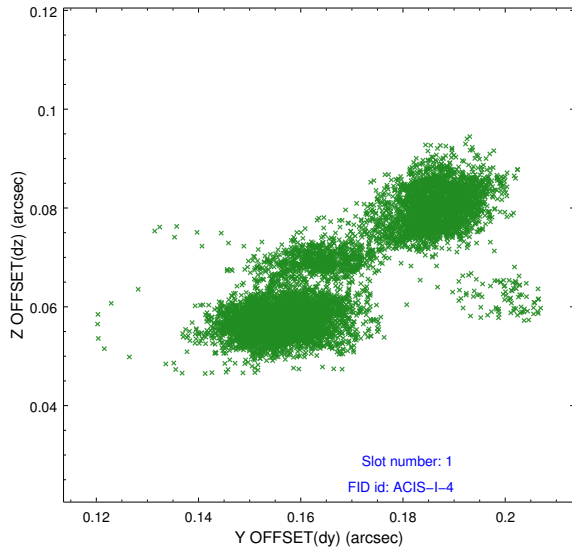


2.5 FID Slots

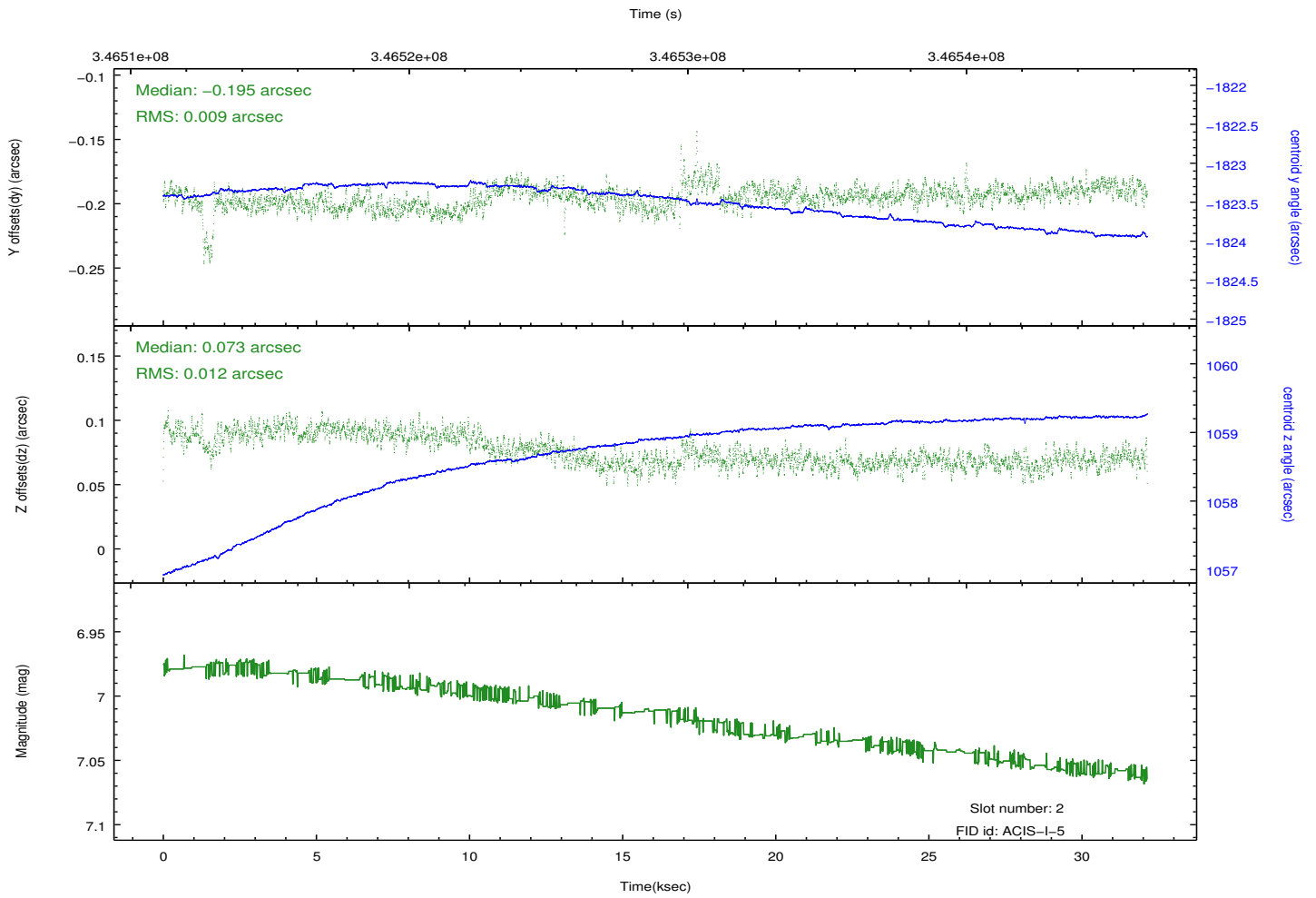
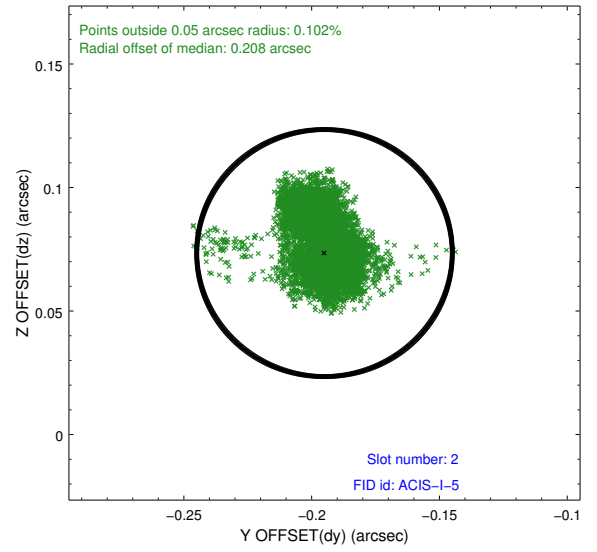
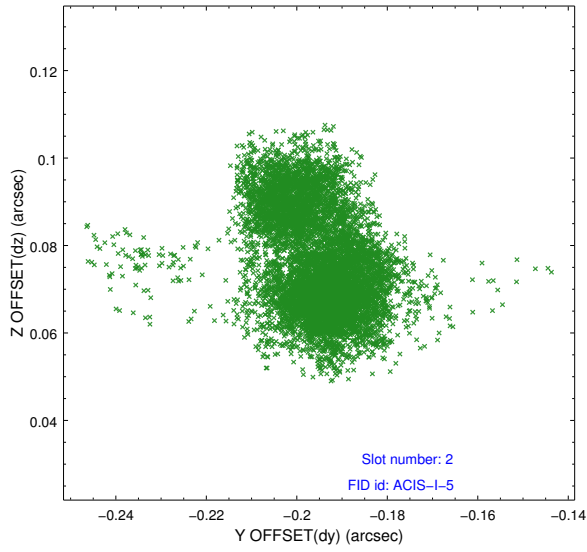
2.5.1 Slot 0



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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	32.1314592

A.2 Comments

Joint proposal with HST.