

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11576 - L2 Version 3
Chandra X-Ray Center

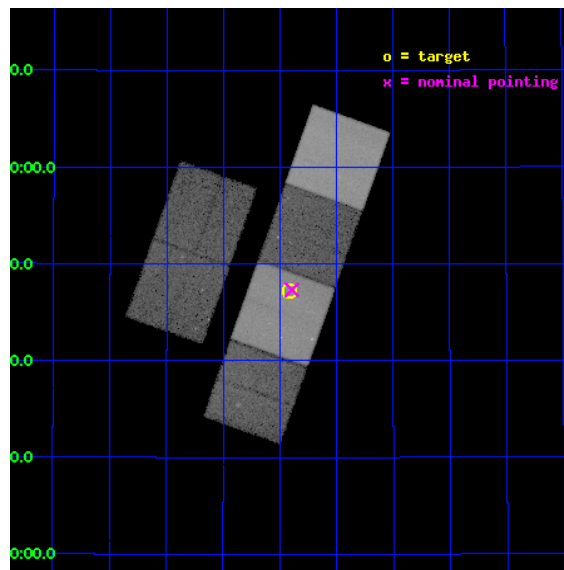
L2 Processing Date : Jul 8 2012

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1 Front

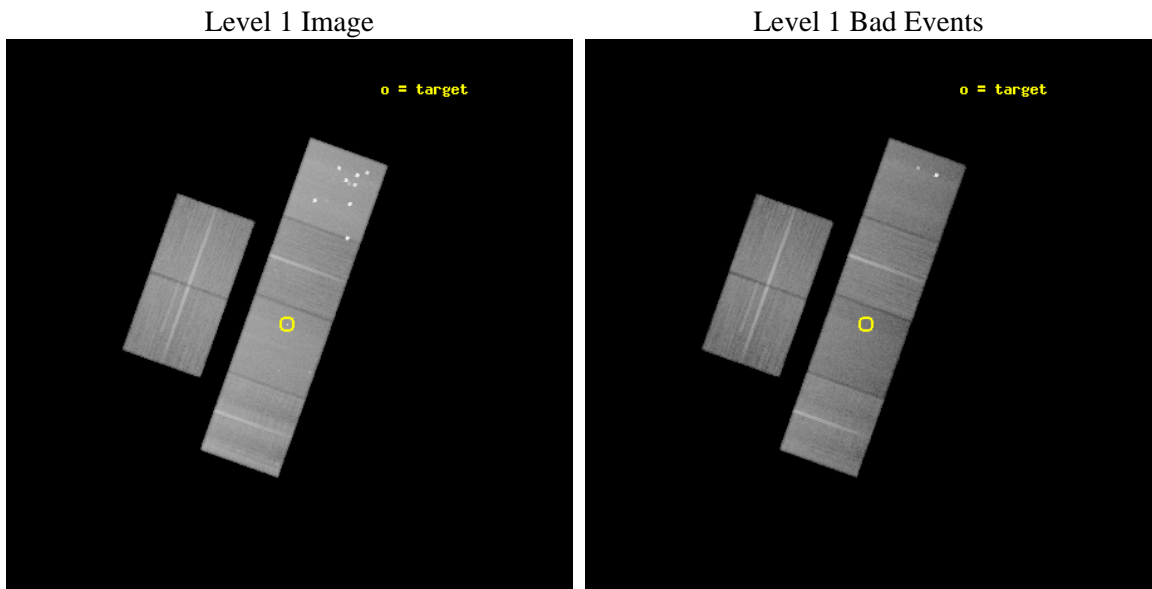
seq_num	702162	Sequence number
obs_id	11576	Observation id
title	The environmental and epoch dependence of radio-loud AGN feedback	
observer	Dr Judith Croston	Principal investigator
object	6C 0850+3747	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	132.603333	Observer's specified target RA [deg]
dec_targ	37.785861	Observer's specified target Dec [deg]
ra_nom	132.59853841461	Nominal RA [deg]
dec_nom	37.788884623823	Nominal Dec [deg]
roll_nom	109.61802347998	Nominal Roll [deg]
revision	3	Processing version of data
ontime	39750.399851978	Sum of GTIs [s]
livetime	39247.056354235	Livetime [s]
ontime2	39747.158791721	Sum of GTIs [s]
ontime3	39750.399851978	Sum of GTIs [s]
ontime5	39750.399851978	Sum of GTIs [s]
ontime6	39747.158781648	Sum of GTIs [s]
ontime7	39750.399851978	Sum of GTIs [s]
ontime8	39740.676671267	Sum of GTIs [s]
l2events	456858	Number of level 2 events



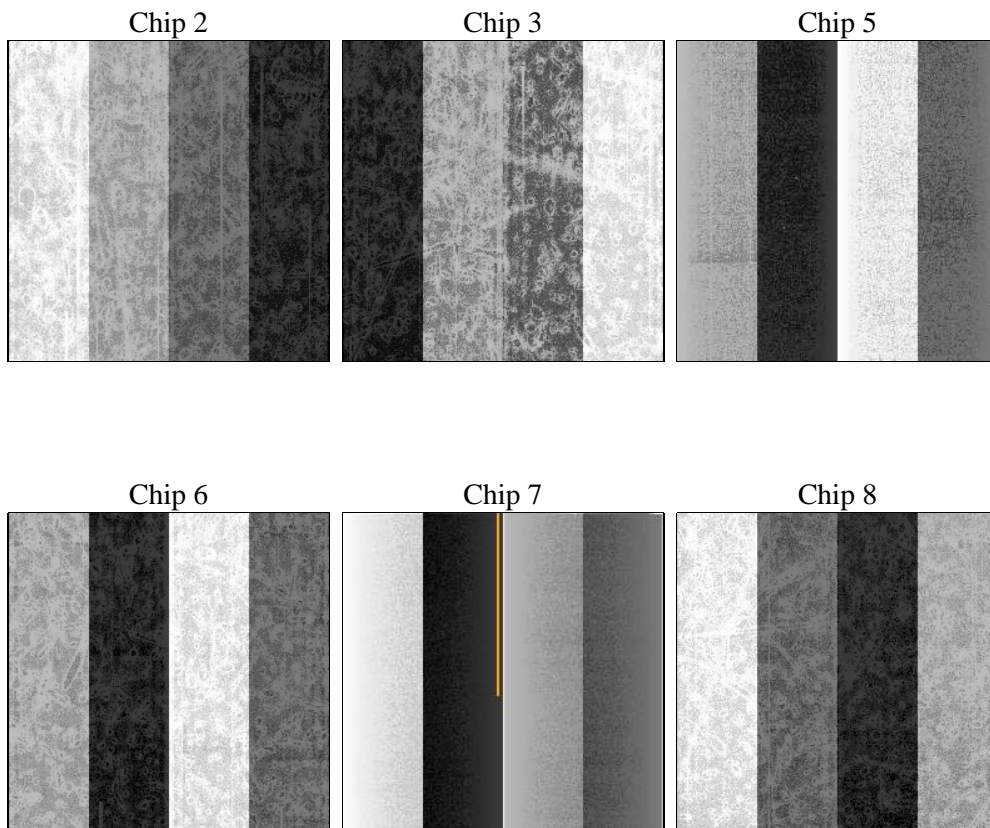
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	39750.399851978	Sum of GTIs [s]
caldbver	4.5.0	 	ontime2	39747.158791721	Sum of GTIs [s]
date	2012-07-08T19:12:39	Date and time of file creation	ontime3	39750.399851978	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	39750.399851978	Sum of GTIs [s]
			ontime6	39747.158781648	Sum of GTIs [s]
			ontime7	39750.399851978	Sum of GTIs [s]
			ontime8	39740.676671267	Sum of GTIs [s]
			l1events	2086009	Number of level 1 events

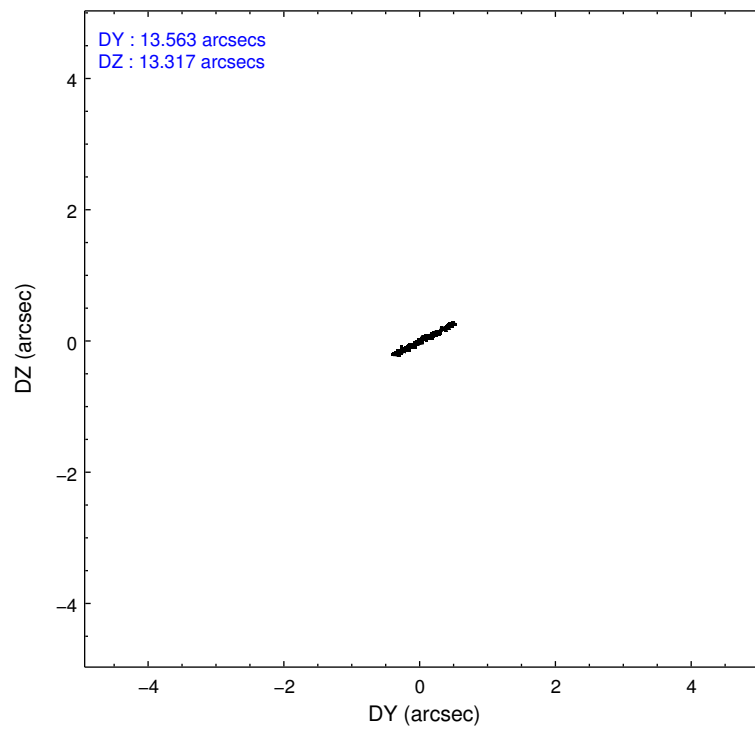
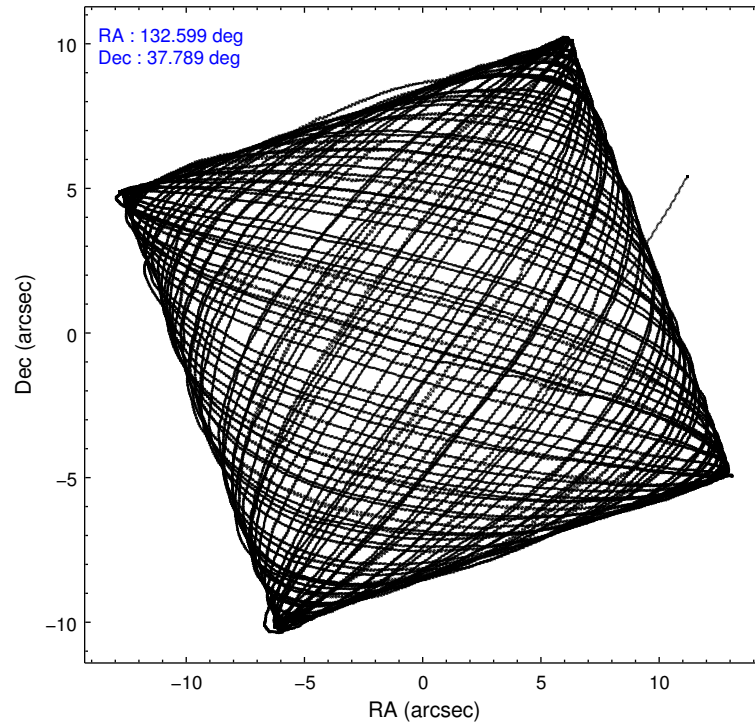
2.1.4 Events

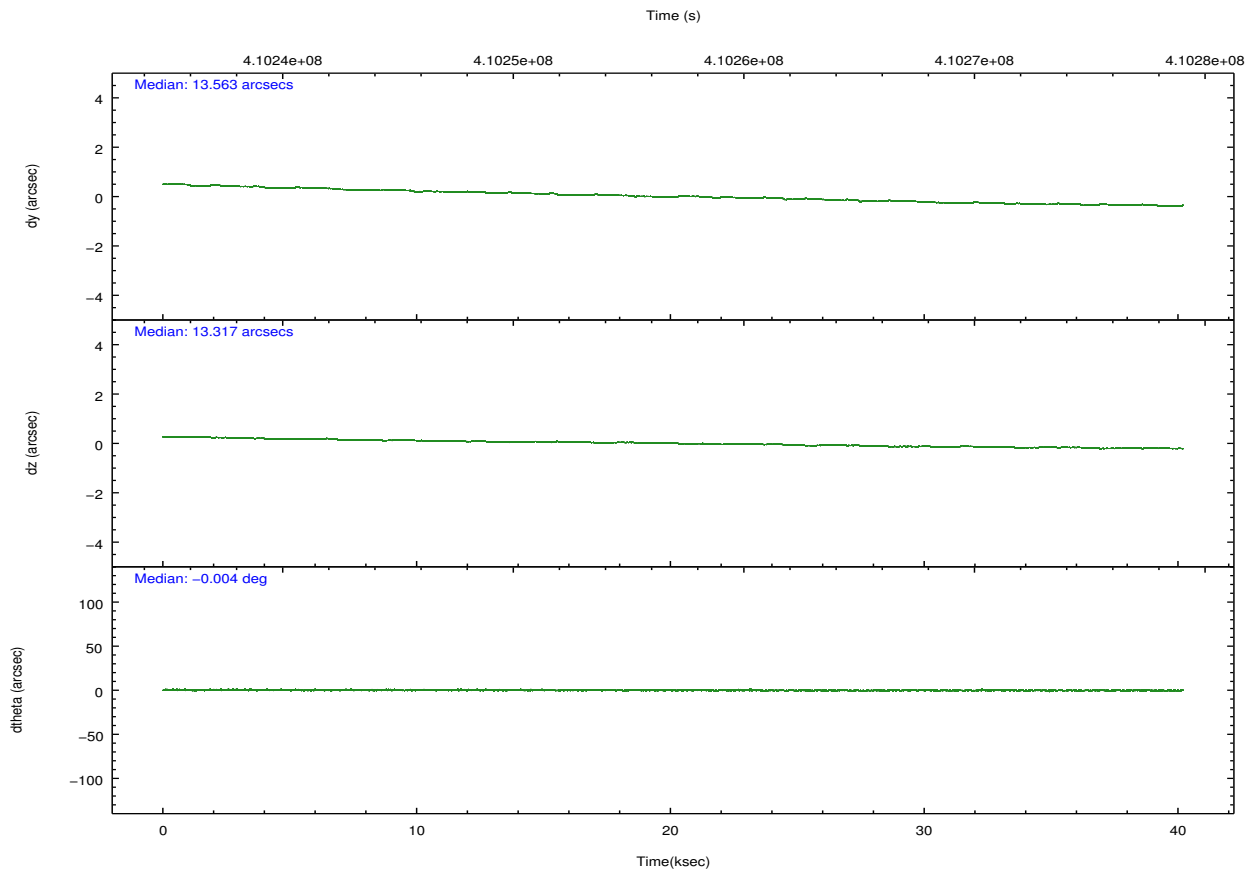
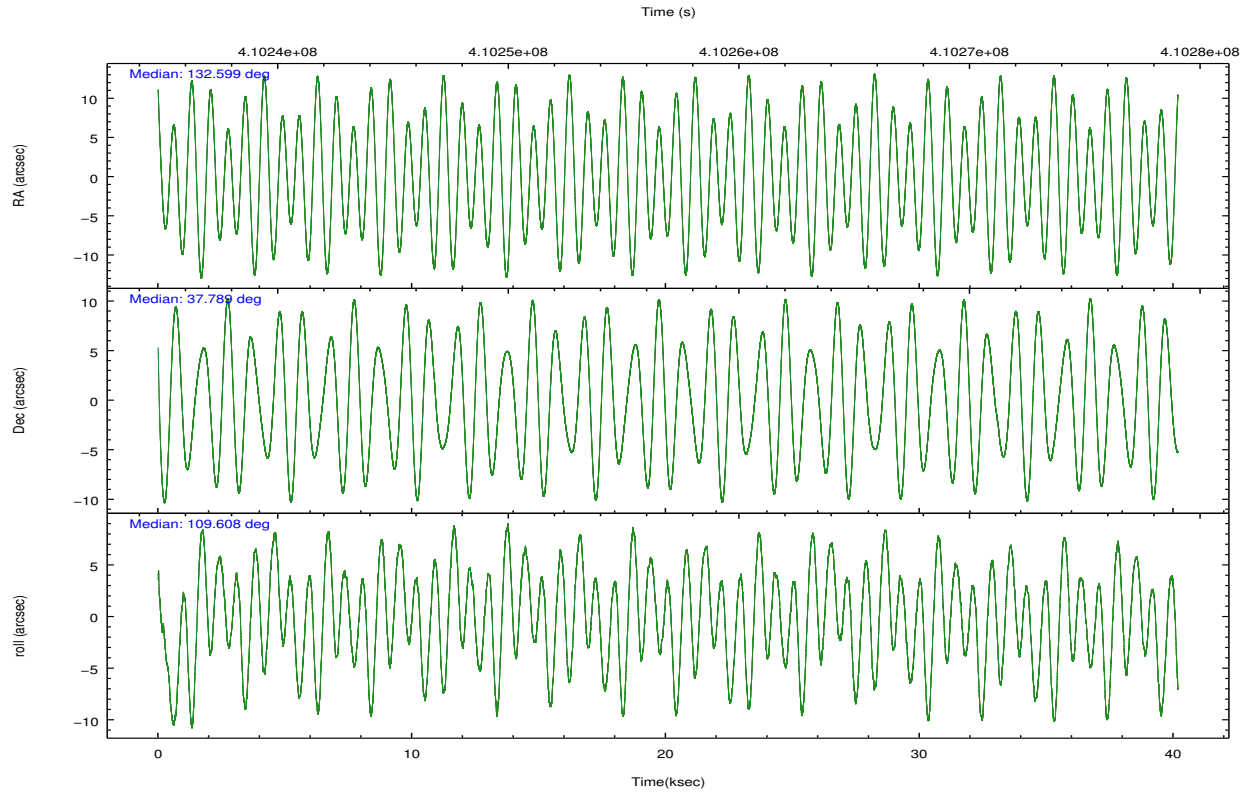
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	293488	271806	511926	289035	351254	368500	grade 0 events	10185	9947	63240	10933	14350	25047
rejected events	264005	243758	234873	257343	194756	277143		3%	3%	12%	3%	4%	6%
rejected %	89%	89%	45%	89%	55%	75%	grade 1 events	176	171	771	128	371	296
								0%	0%	0%	0%	0%	0%
							grade 2 events	7253	6025	72472	7099	32098	22008
								2%	2%	14%	2%	9%	5%
							grade 3 events	3177	3226	8423	3241	13238	9770
								1%	1%	1%	1%	3%	2%
							grade 4 events	3049	3064	6813	3182	13052	8953
								1%	1%	1%	1%	3%	2%
							grade 5 events	11375	12552	31592	12609	35445	18741
								3%	4%	6%	4%	10%	5%
							grade 6 events	5821	5792	126154	7239	83791	25608
								1%	2%	24%	2%	23%	6%
							grade 7 events	252452	231029	202461	244604	158909	258077
								86%	84%	39%	84%	45%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	132.625204	132.5985384146112	CCD I2 on	O1	Y
[deg] Pointing Dec	37.771461	37.78888462382273	CCD I3 on	O2	Y
[deg] Pointing Roll	109.445054	109.6180234799752	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	410237029.184000	410236173.89805	CCD S5 on	N	N
Observation start date	2011-01-01T02:42:43	2011-01-01T02:29:33	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	410277029.184000	410277877.5627	On-chip summing requested	N	N
Observation end date	2011-01-01T13:49:23	2011-01-01T14:04:37	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



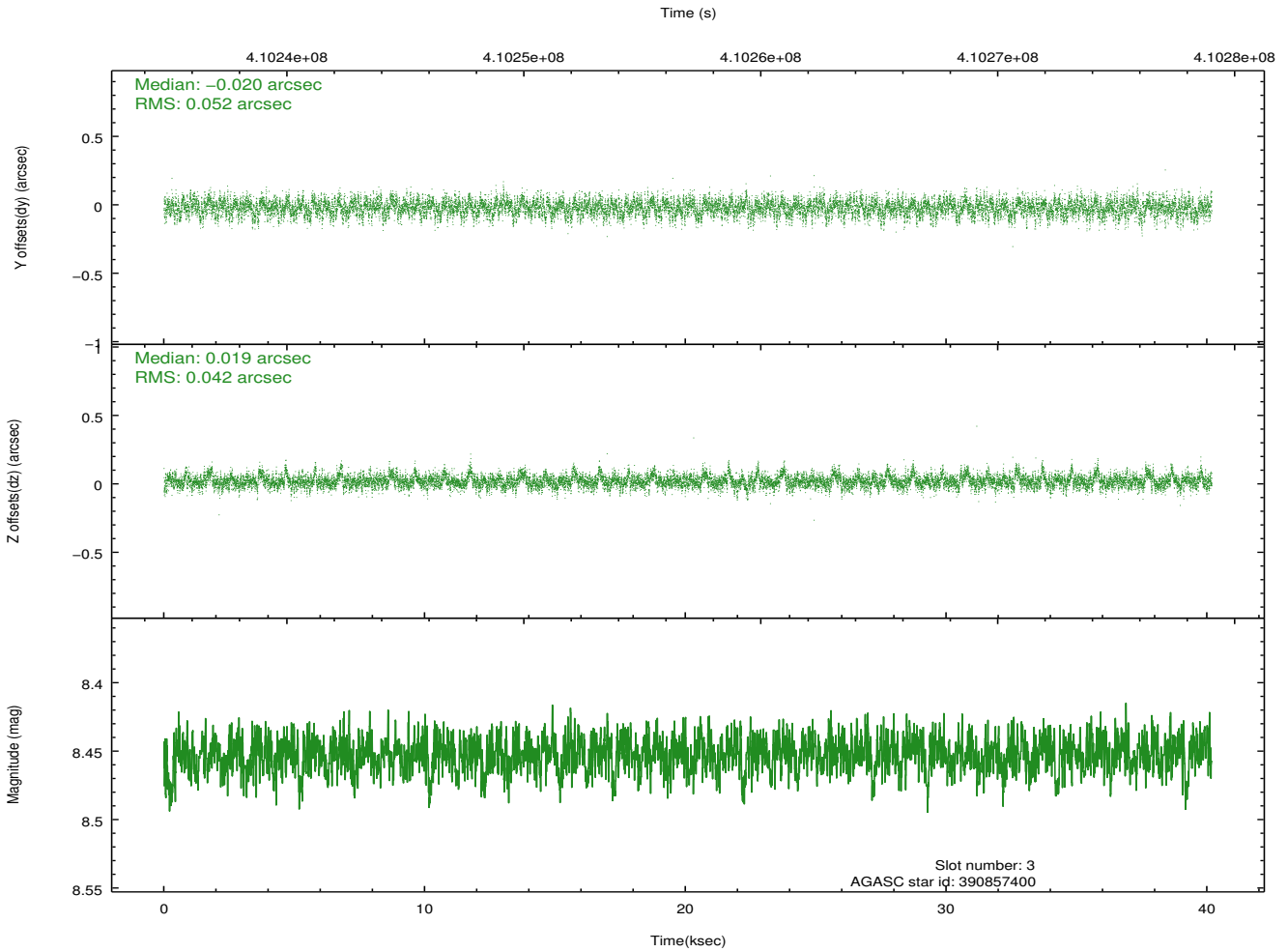
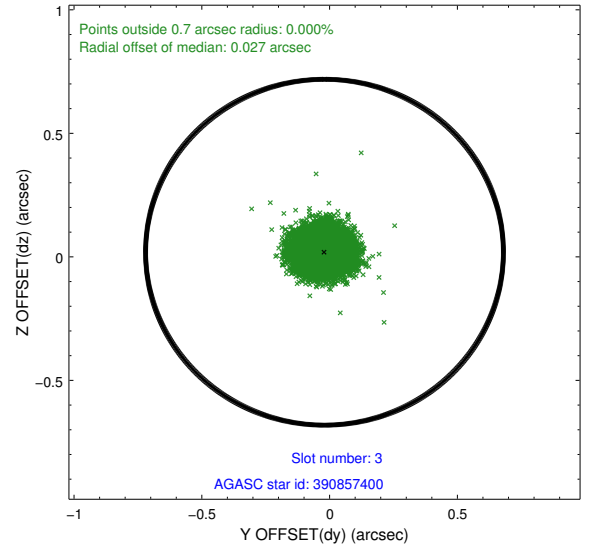
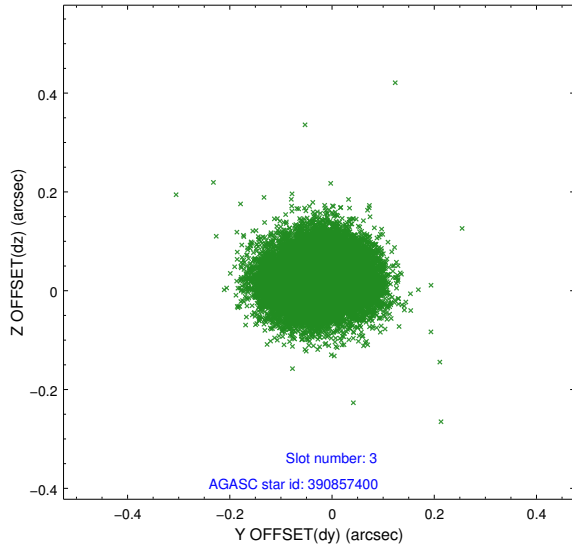


Slot Statistics

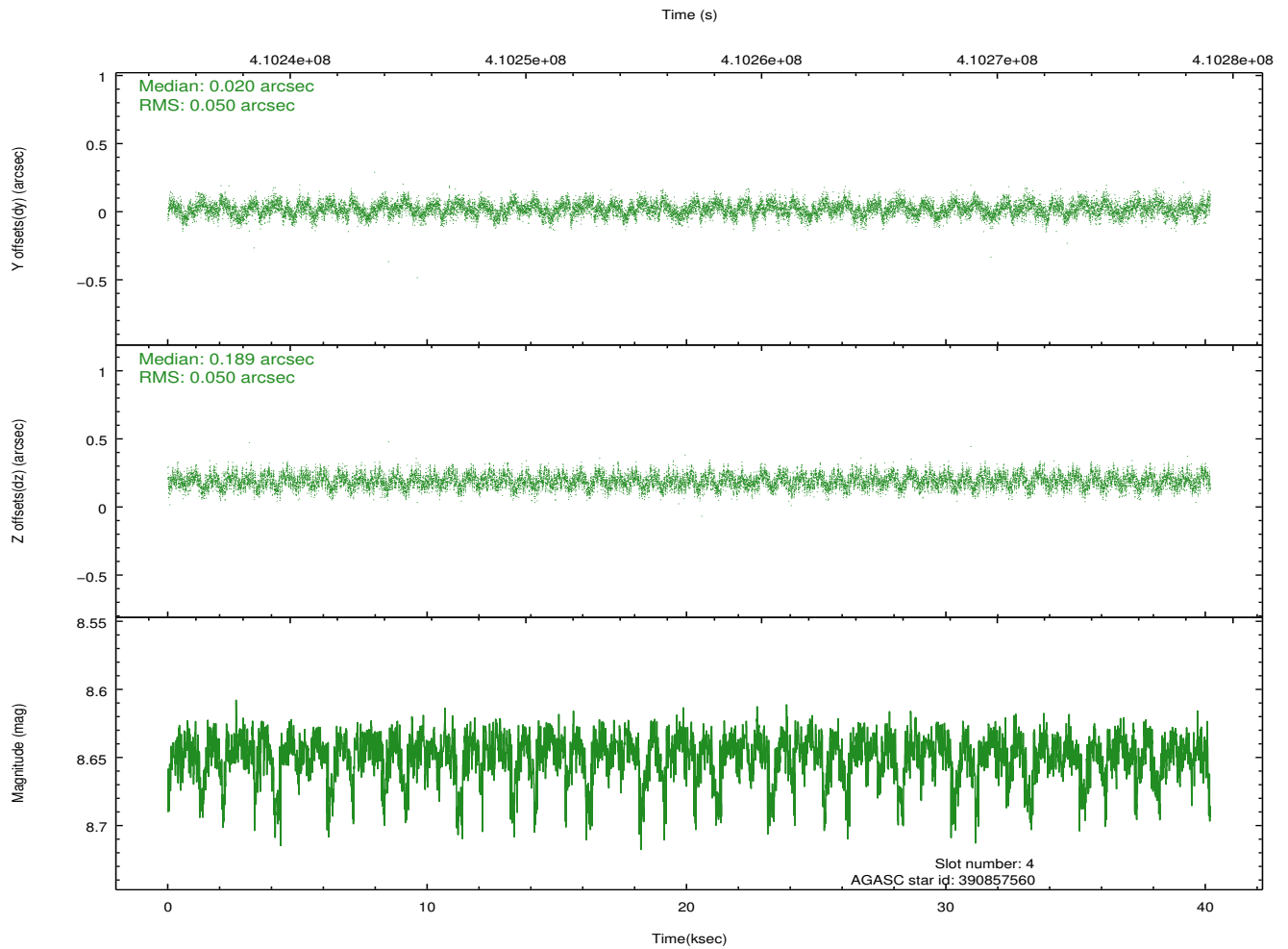
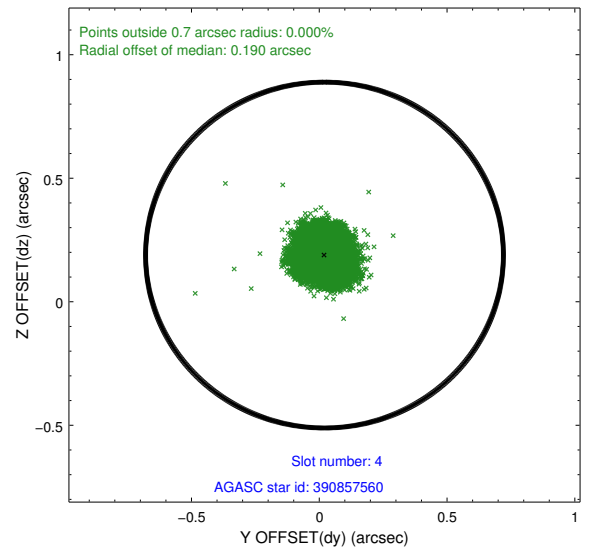
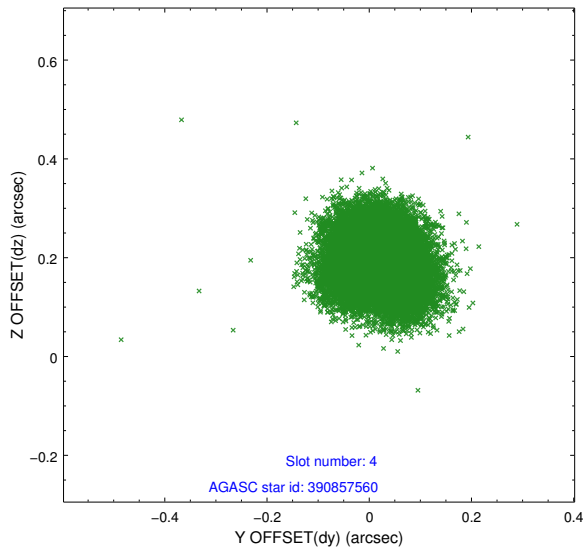
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.05	9801	-0.044	-0.085	0.016	0.025	0.000000	0.000000	-766.56	-1734.73
1	FID	ACIS-S-4	7.12	9800	0.204	0.044	0.024	0.034	0.000000	0.000000	2146.97	173.85
2	FID	ACIS-S-5	7.17	9800	-0.191	0.050	0.011	0.017	0.000000	0.000000	-1819.52	167.56
3	GUIDE	390857400	8.45	19597	-0.020	0.019	0.071	0.117	132.698883	38.463425	2280.19	-1024.24
4	GUIDE	390857560	8.65	19585	0.020	0.189	0.076	0.121	132.767323	38.060816	849.00	-726.50
5	GUIDE	390857856	8.67	19590	0.013	0.127	0.082	0.134	132.960466	37.895759	106.88	-1047.21
6	GUIDE	390860704	9.12	19515	0.134	-0.214	0.108	0.167	132.467997	37.911946	625.93	252.61
7	GUIDE	390859464	8.91	19590	-0.143	-0.123	0.078	0.126	131.783458	38.251873	2433.08	1664.97

2.4 Star Slots

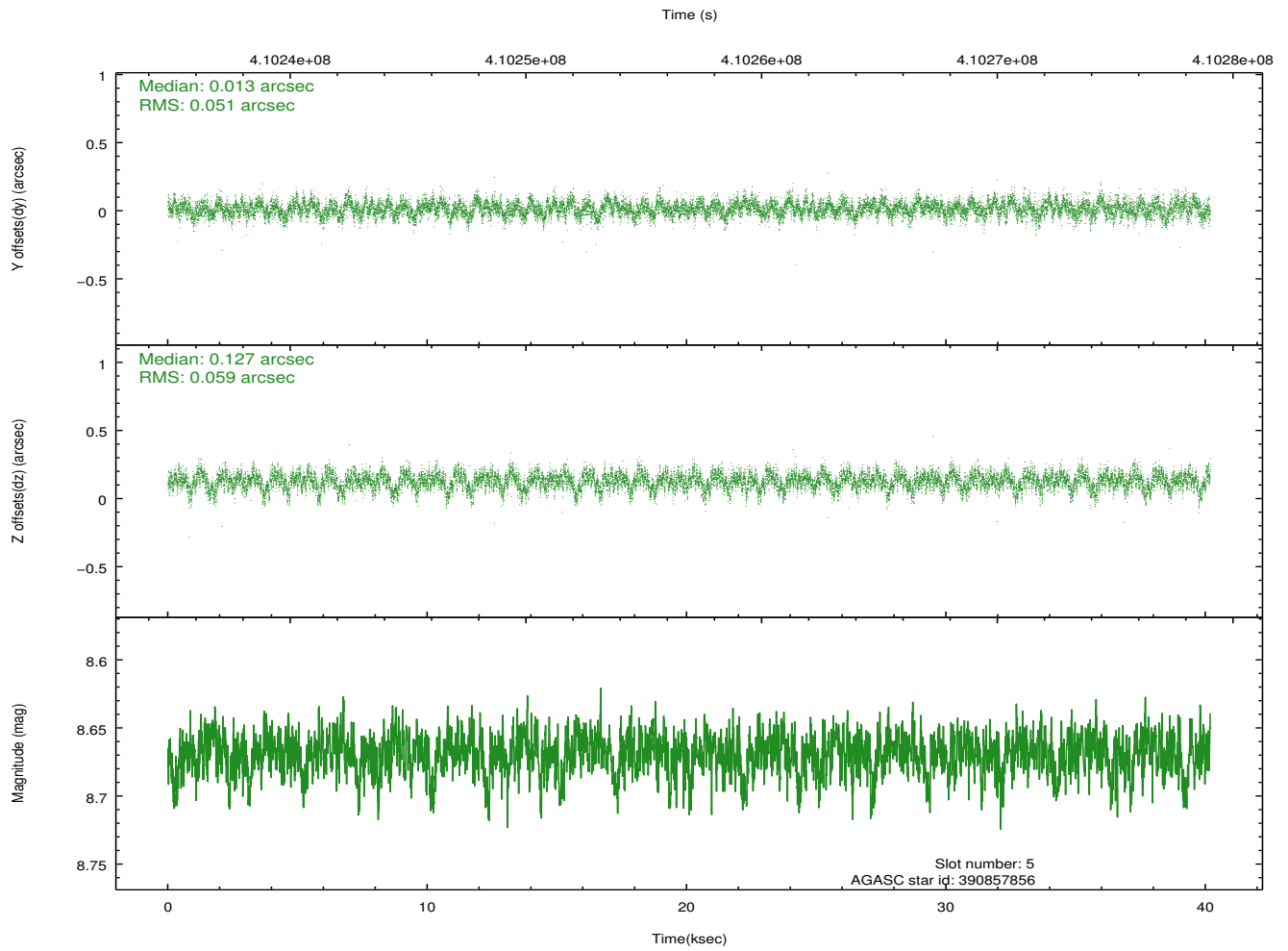
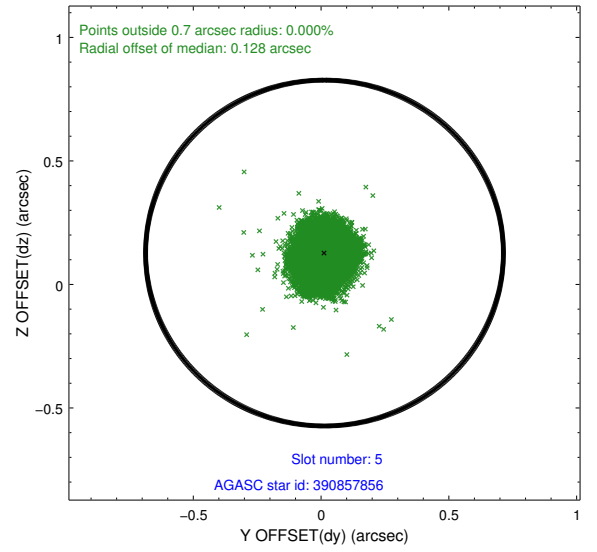
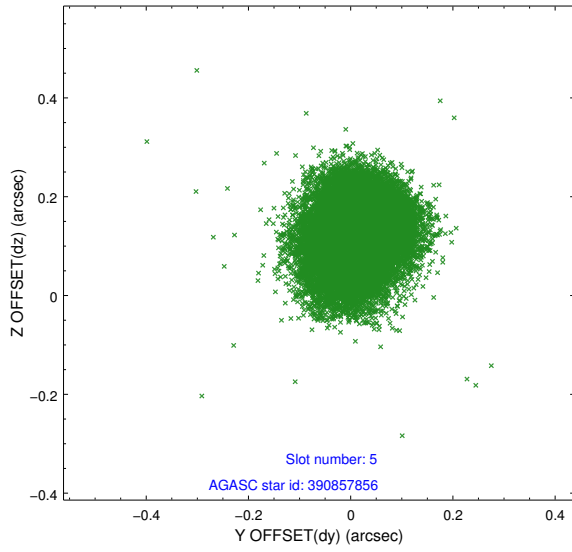
2.4.1 Slot 3



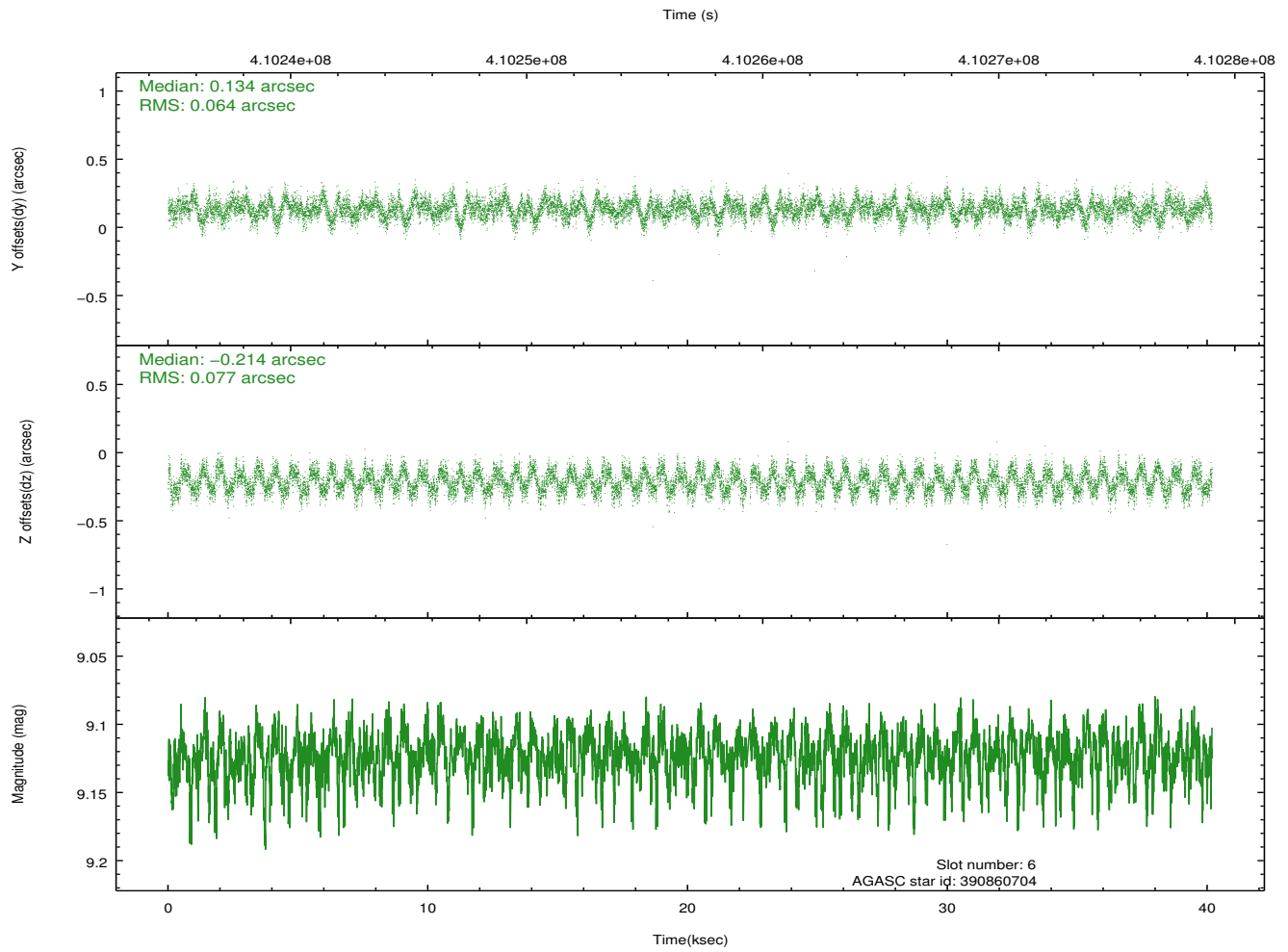
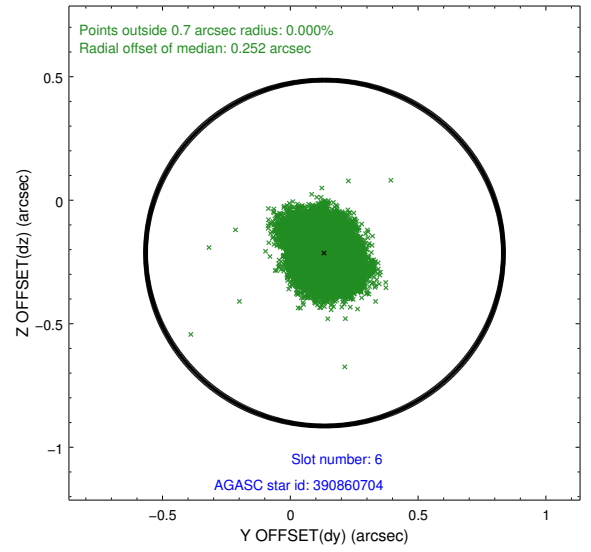
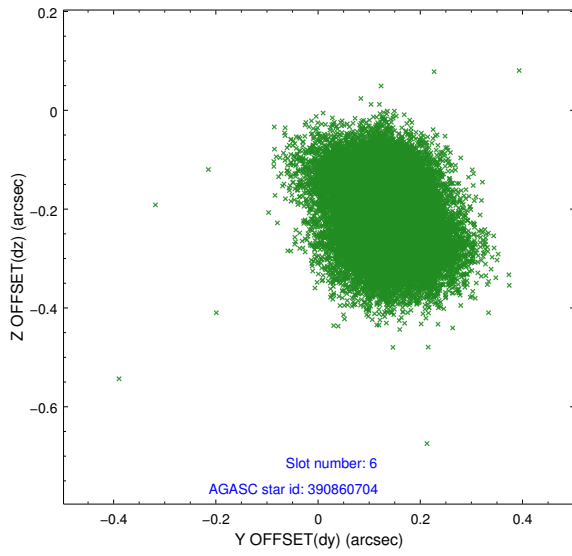
2.4.2 Slot 4



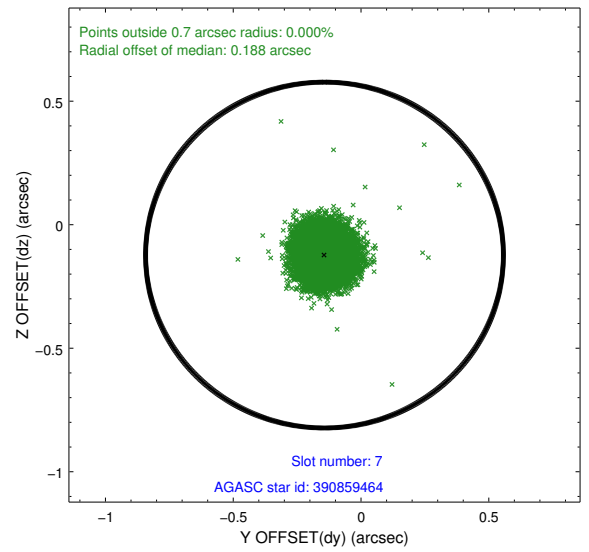
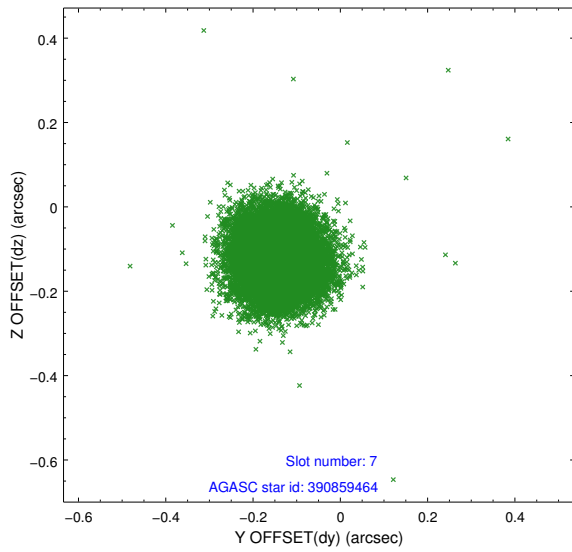
2.4.3 Slot 5



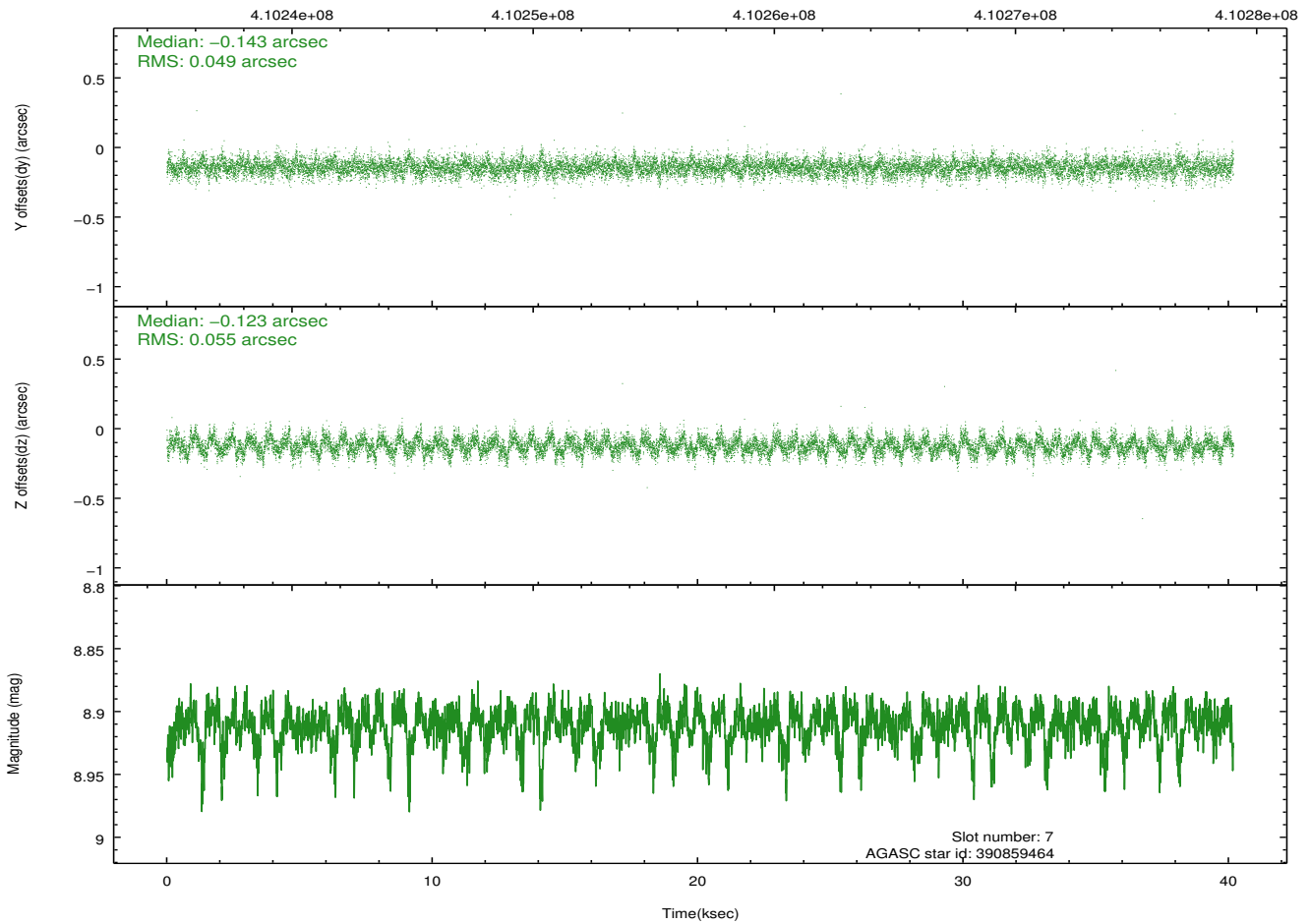
2.4.4 Slot 6



2.4.5 Slot 7

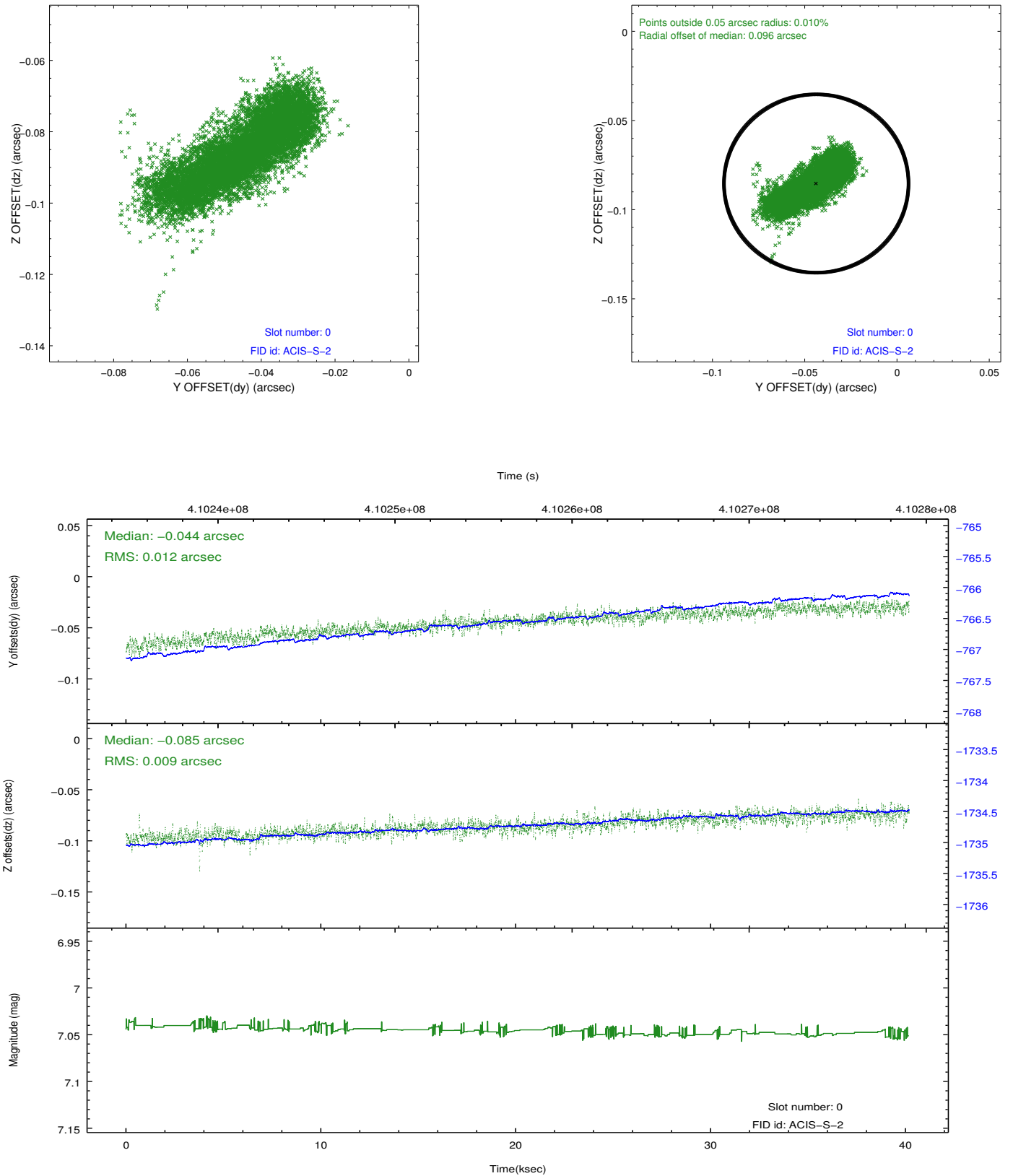


Time (s)

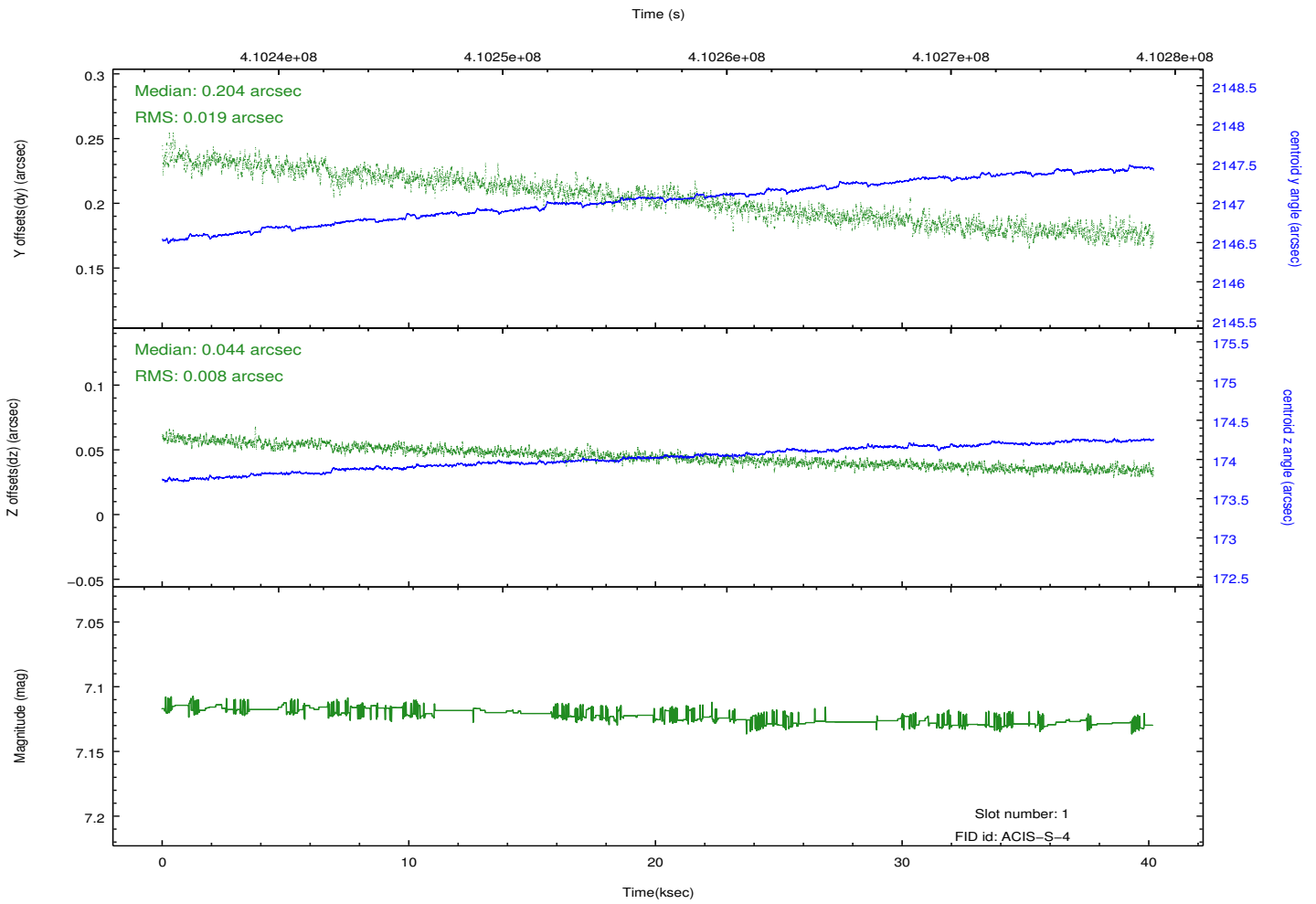
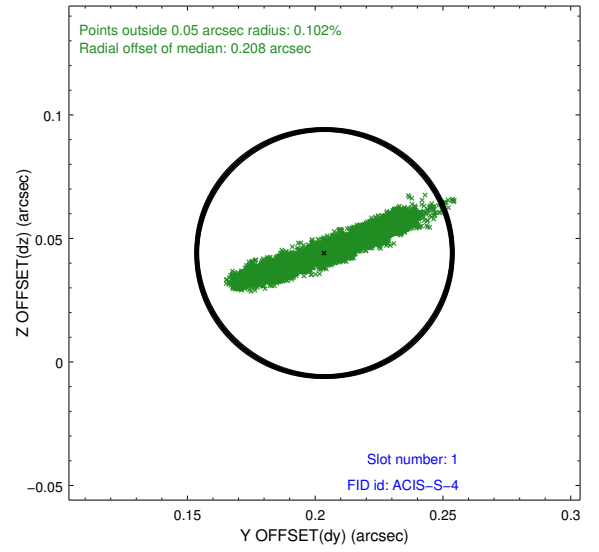
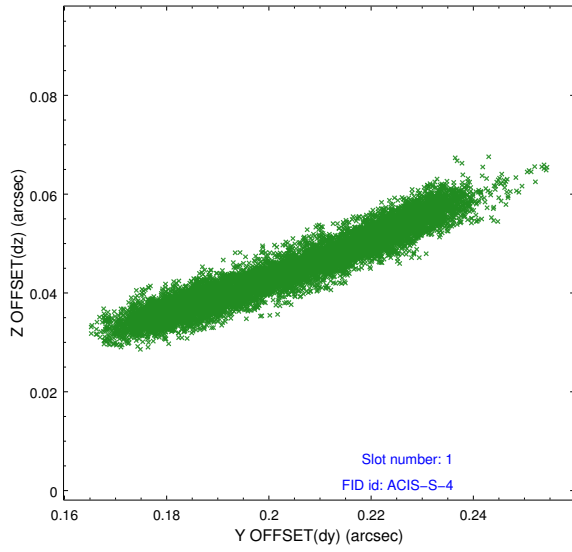


2.5 FID Slots

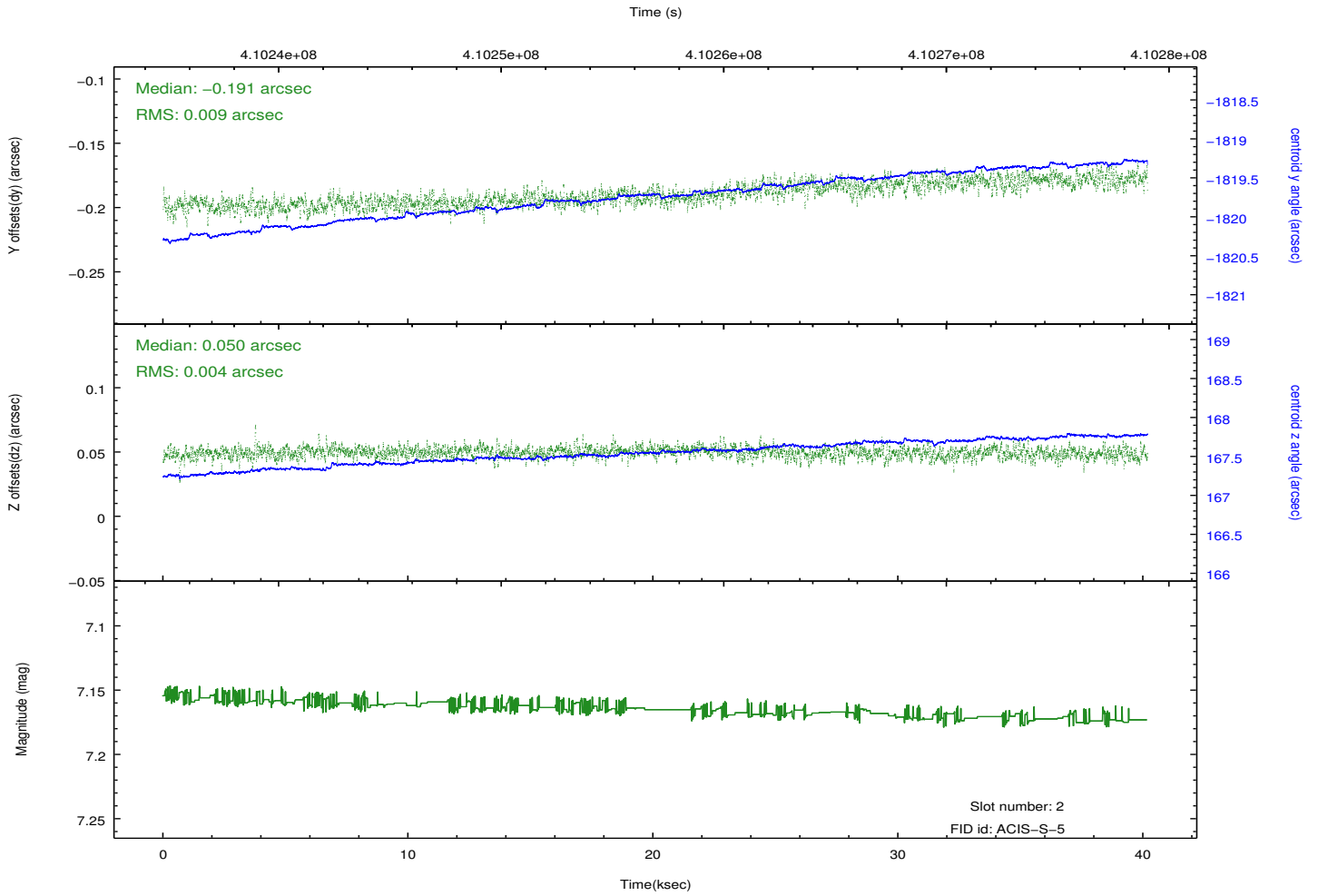
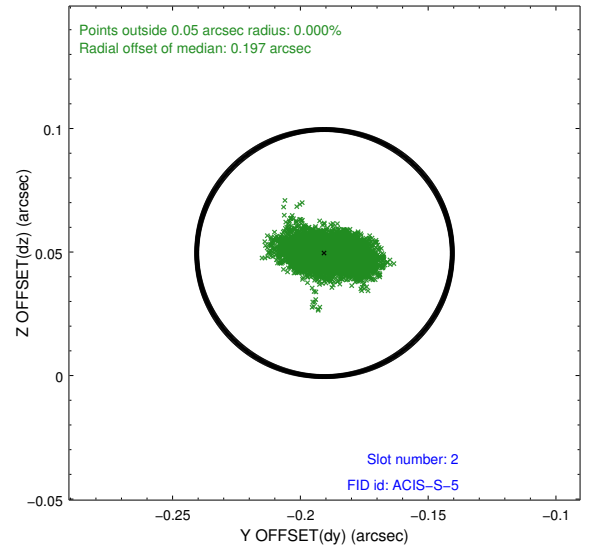
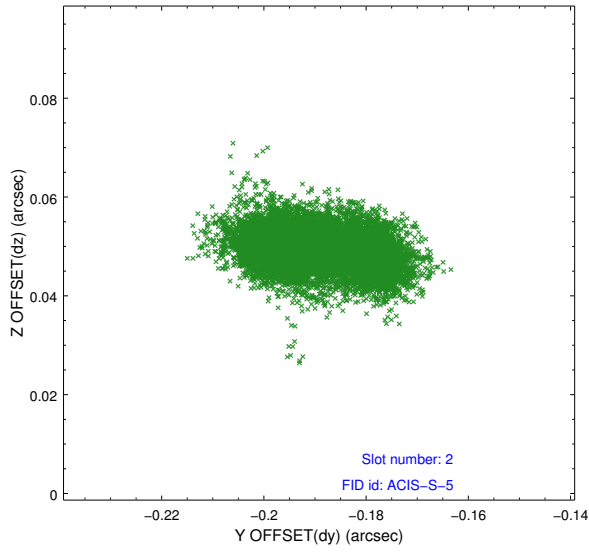
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.07.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.750399851978

A.2 Comments