

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10233 - L2 Version 2
Chandra X-Ray Center

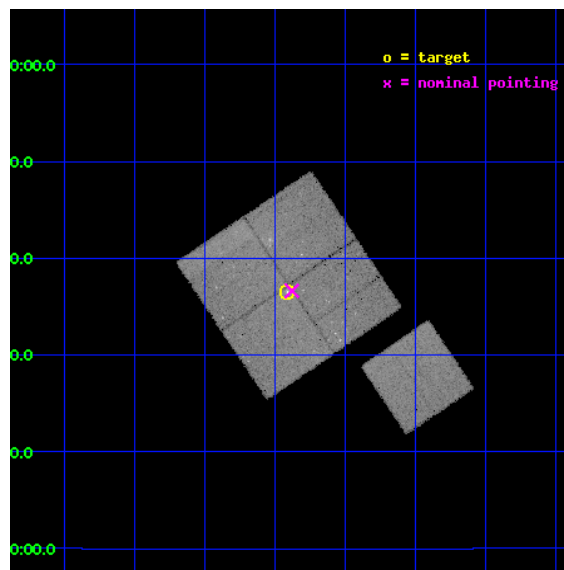
L2 Processing Date : Jun 12 2012

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1 Front

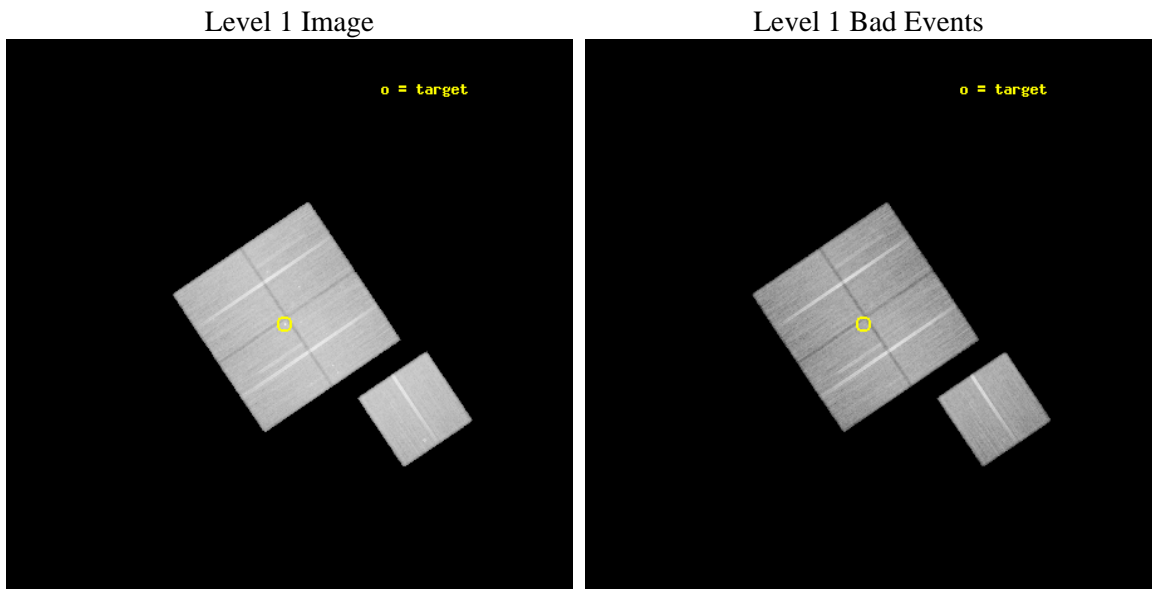
seq_num	701776	Sequence number
obs_id	10233	Observation id
title	The multi-faceted X-ray activity of low-redshift active galaxies	P
observer	Prof Mark Birkinshaw	Principal investigator
object	NGC 7385	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	342.477917	Observer's specified target RA [deg]
dec_targ	11.608361	Observer's specified target Dec [deg]
ra_nom	342.47000220968	Nominal RA [deg]
dec_nom	11.610686582064	Nominal Dec [deg]
roll_nom	146.0556299004	Nominal Roll [deg]
revision	2	Processing version of data
ontime	39850.377235711	Sum of GTIs [s]
livetime	39329.702719705	Livetime [s]
ontime0	39853.518276095	Sum of GTIs [s]
ontime1	39856.659296274	Sum of GTIs [s]
ontime2	39847.236275077	Sum of GTIs [s]
ontime3	39850.377235711	Sum of GTIs [s]
ontime6	39850.377245724	Sum of GTIs [s]
l2events	160009	Number of level 2 events



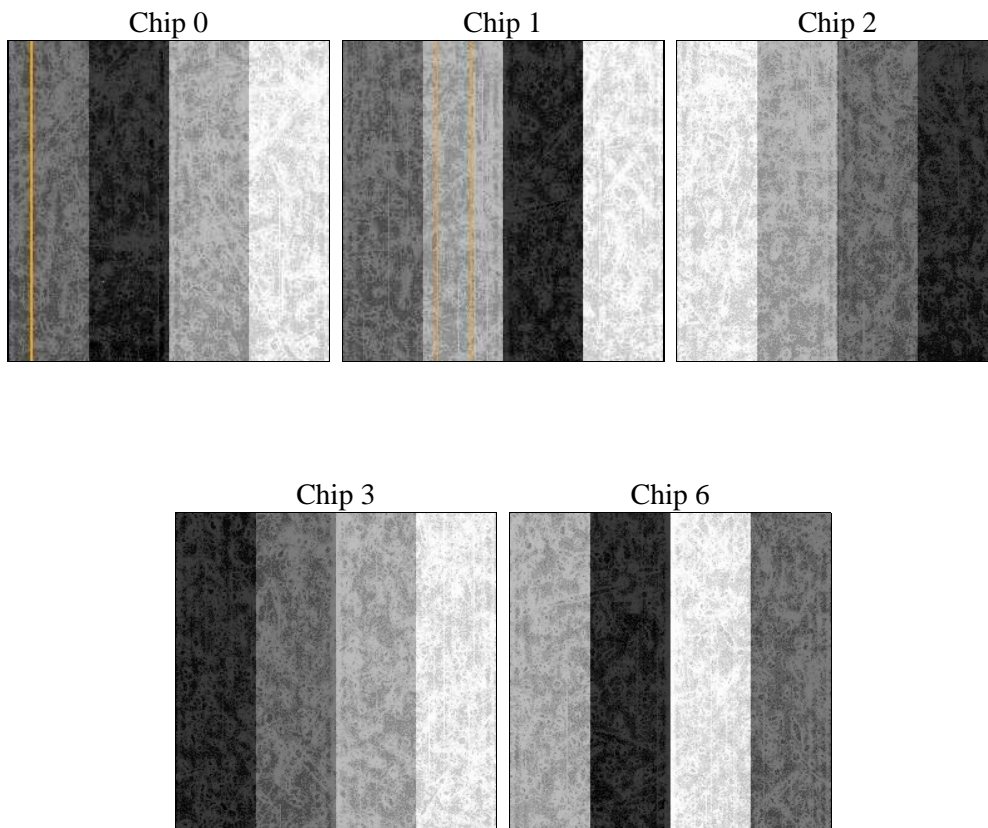
2 OBI

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	39850.377235711	Sum of GTIs [s]
caldbver	4.4.10	 	ontime0	39853.518276095	Sum of GTIs [s]
date	2012-06-12T02:29:11	Date and time of file creation	ontime1	39856.659296274	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	39847.236275077	Sum of GTIs [s]
			ontime3	39850.377235711	Sum of GTIs [s]
			ontime6	39850.377245724	Sum of GTIs [s]
			l1events	1768671	Number of level 1 events

2.1.4 Events

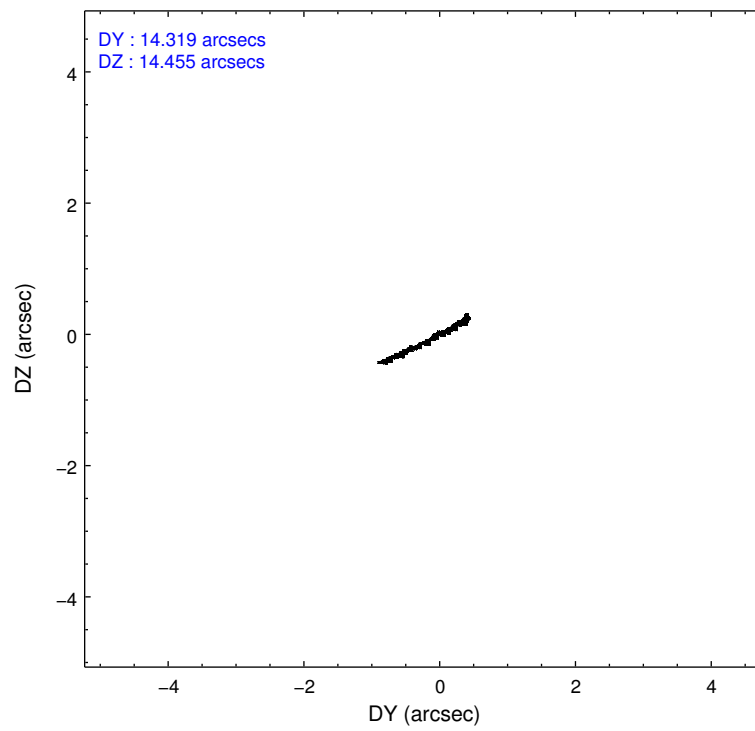
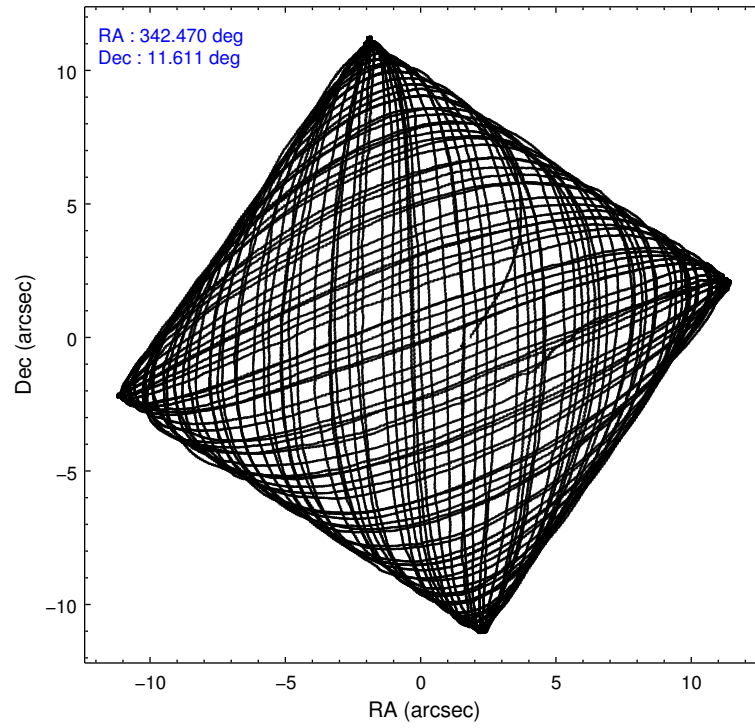
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	335750	339326	374906	354468	364221
rejected events	297434	297167	338007	318019	326857
rejected %	88%	87%	90%	89%	89%

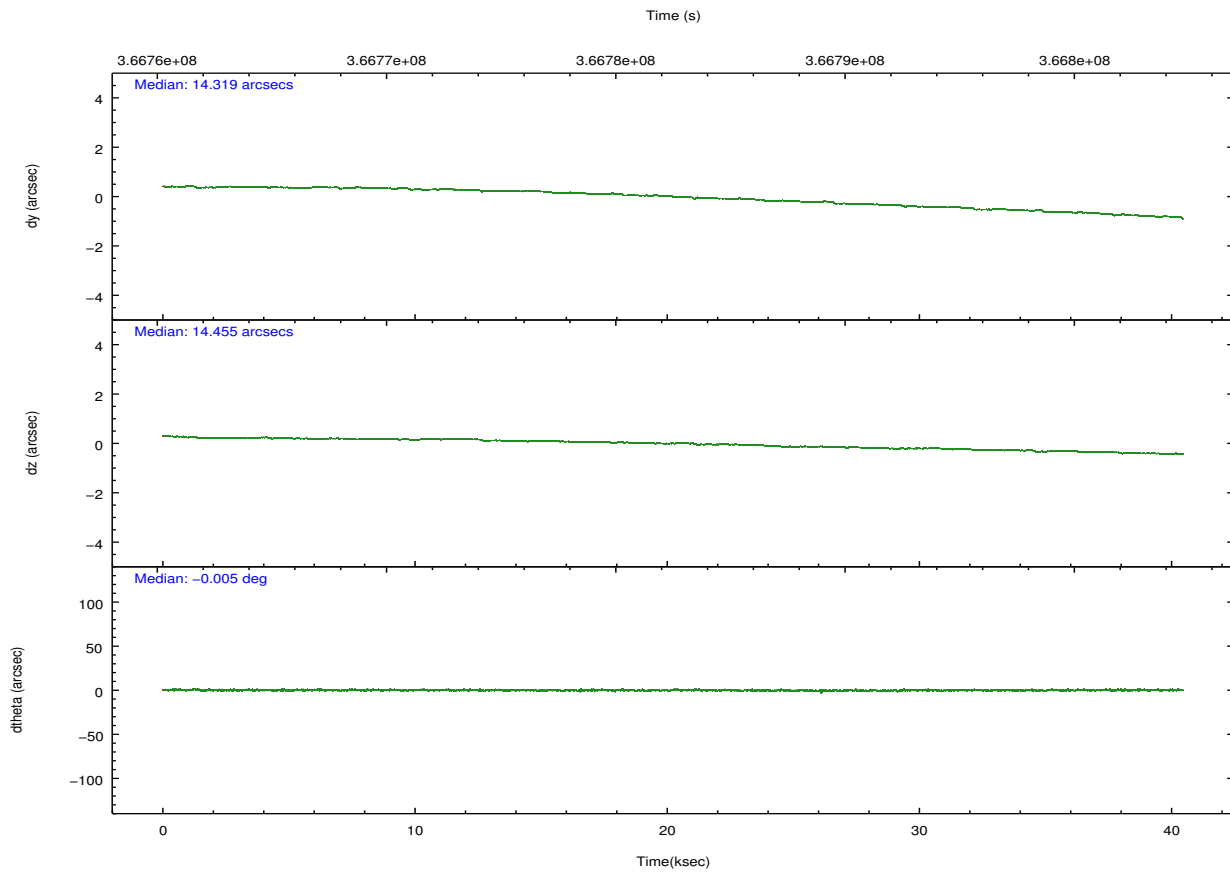
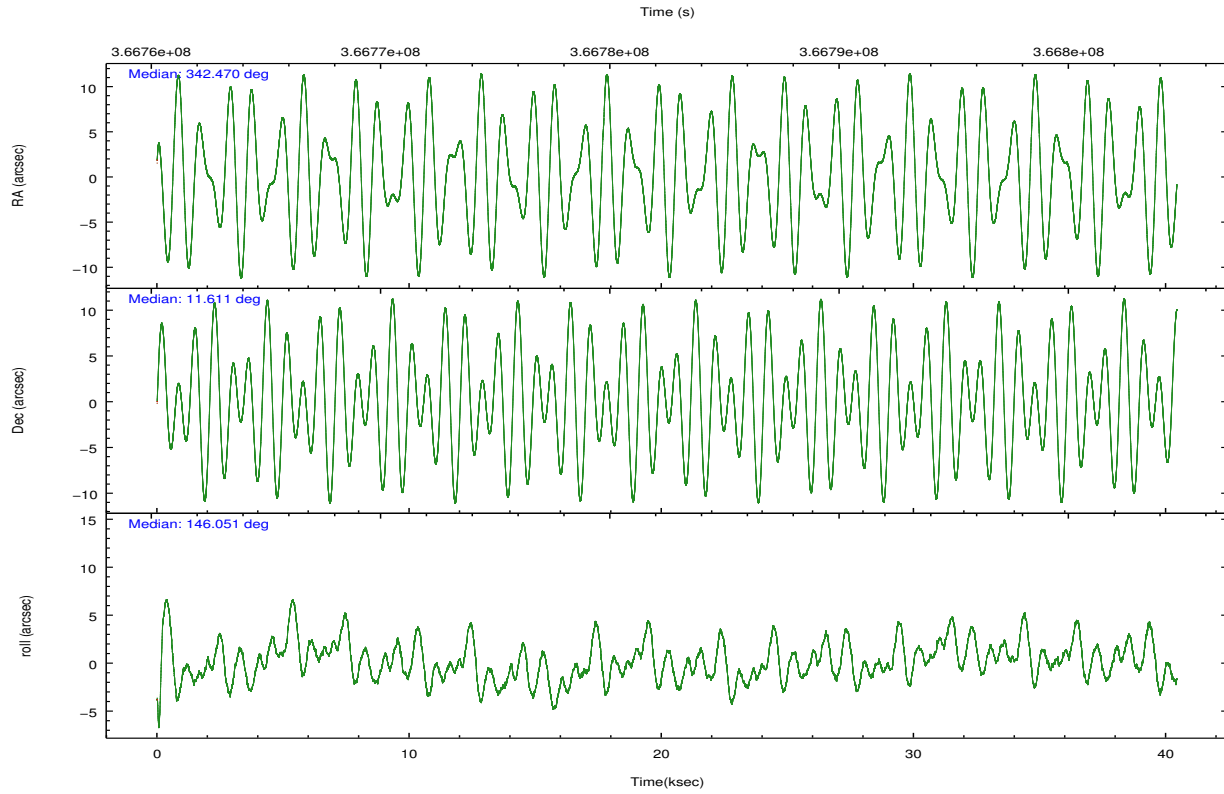
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	14653	16147	14109	14017	13528
	4%	4%	3%	3%	3%
grade 1 events	201	190	229	235	210
	0%	0%	0%	0%	0%
grade 2 events	8836	9470	8684	7812	8139
	2%	2%	2%	2%	2%
grade 3 events	3983	4330	3707	3768	4007
	1%	1%	0%	1%	1%
grade 4 events	3864	4177	3757	3834	3814
	1%	1%	1%	1%	1%
grade 5 events	12579	13951	11858	14678	14243
	3%	4%	3%	4%	3%
grade 6 events	6989	8044	6648	7022	7883
	2%	2%	1%	1%	2%
grade 7 events	284645	283017	325914	303102	312397
	84%	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	342.498029	342.4700022096837	CCD I2 on	Y	Y
[deg] Pointing Dec	11.608890	11.61068658206436	CCD I3 on	Y	Y
[deg] Pointing Roll	145.841303	146.055629900402	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)	366762903.184000	366761756.59877	CCD S5 on	N	N
Observation start date	2009-08-15T22:33:57	2009-08-15T22:15:56	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	366802903.184000	366803390.05086	On-chip summing requested	N	N
Observation end date	2009-08-16T09:40:37	2009-08-16T09:49:50	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



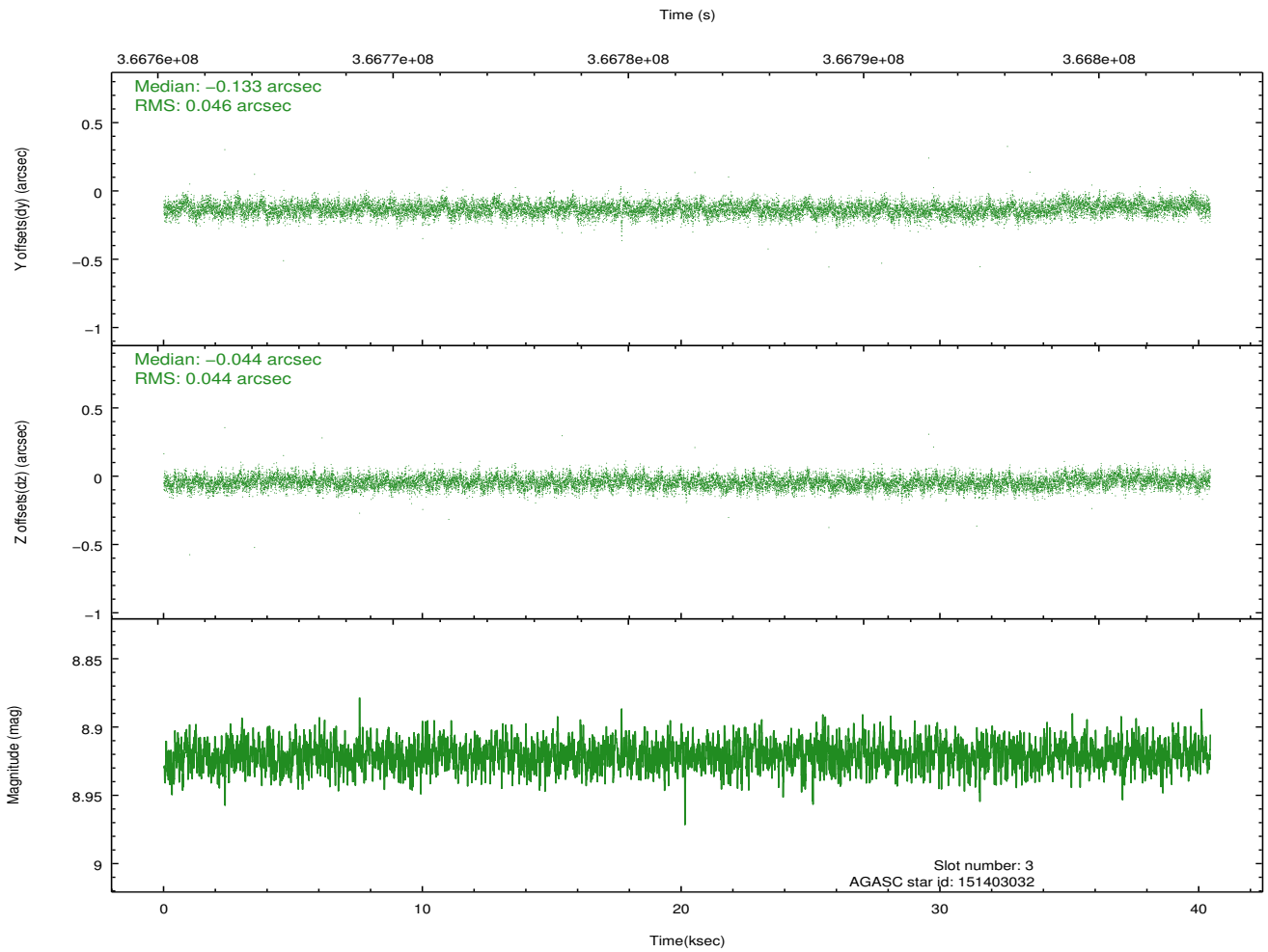
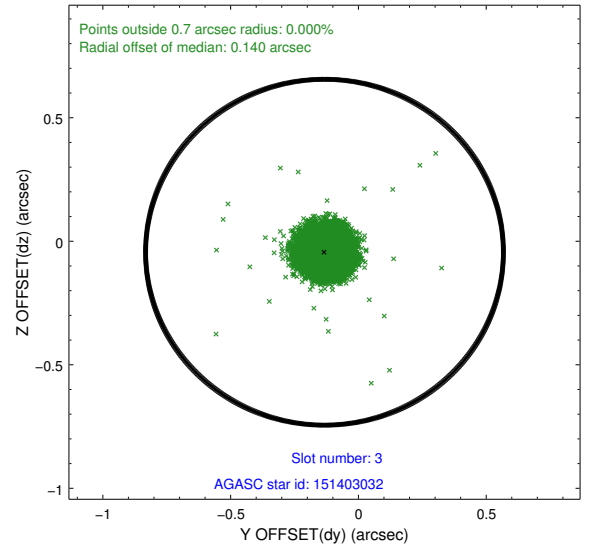
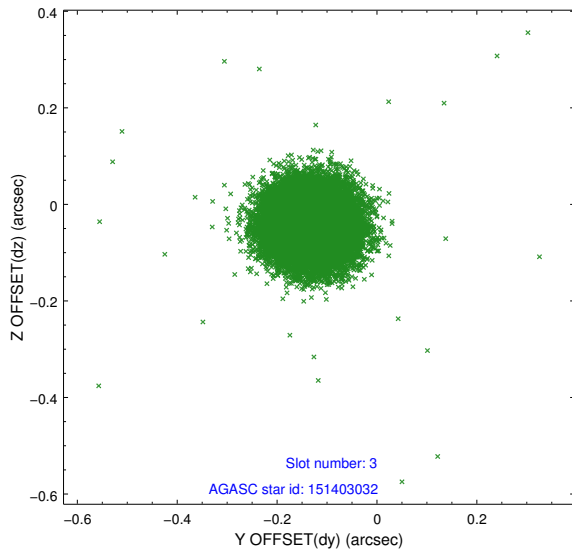


Slot Statistics

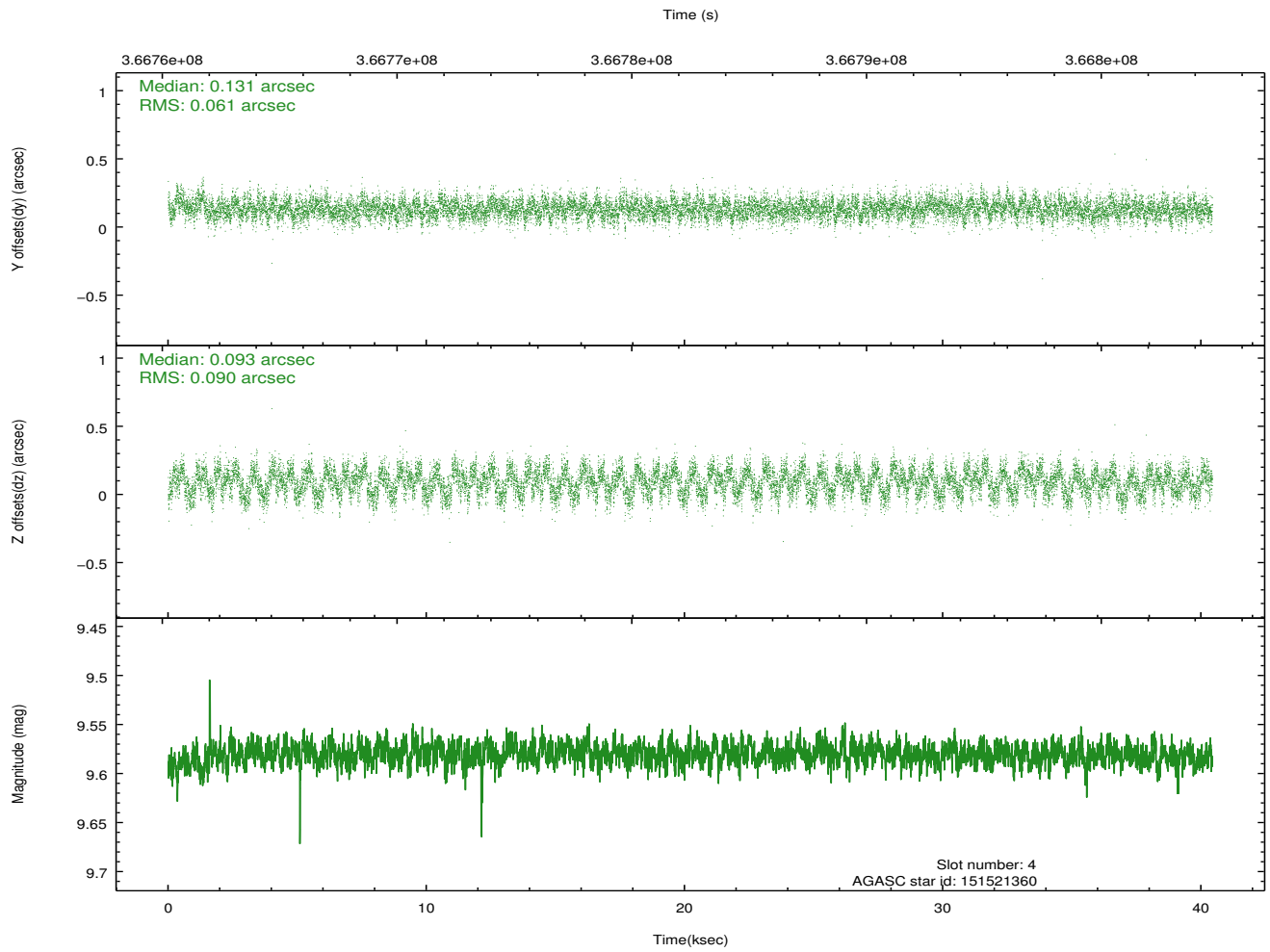
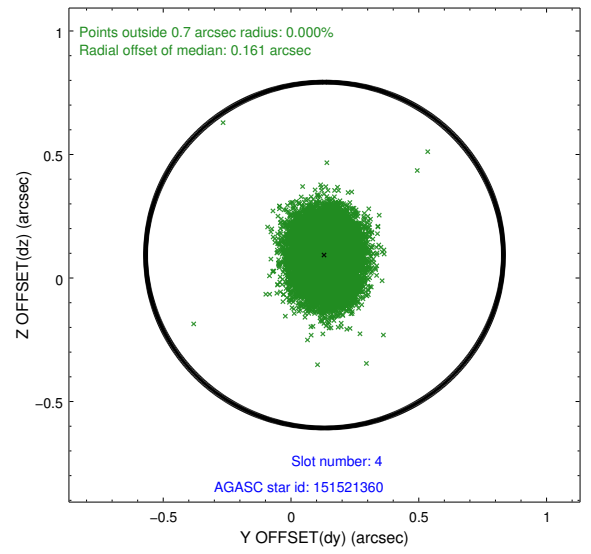
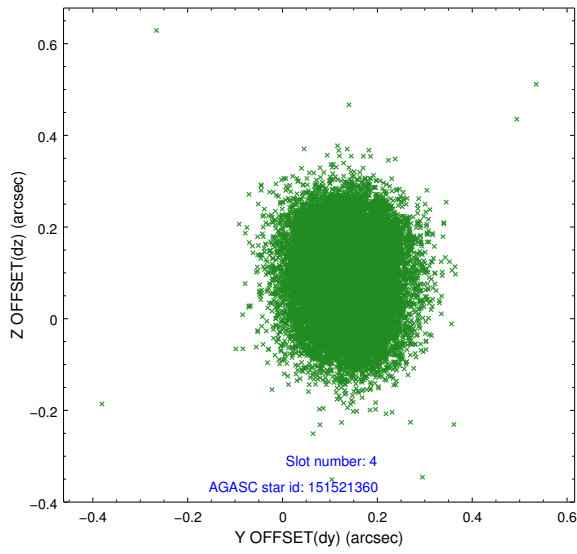
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.07	9864	0.076	-0.001	0.008	0.015	0.000000	0.000000	925.36	-837.95
1	FID	ACIS-I-2	6.98	9861	-0.056	-0.055	0.010	0.021	0.000000	0.000000	-768.86	-844.55
2	FID	ACIS-I-5	7.06	9863	-0.112	0.129	0.009	0.018	0.000000	0.000000	-1823.21	1059.50
3	GUIDE	151403032	8.92	19715	-0.133	-0.044	0.067	0.107	341.833743	11.577681	1876.11	1405.96
4	GUIDE	151521360	9.58	19701	0.131	0.093	0.116	0.183	343.086571	11.663151	-1605.82	-1328.38
5	GUIDE	151530008	8.89	19649	0.025	-0.185	0.082	0.131	342.605770	11.480344	-574.09	169.65
6	GUIDE	151530424	9.05	19711	-0.020	-0.127	0.106	0.166	342.688881	11.424428	-929.80	171.23
7	GUIDE	151534544	9.70	19698	0.001	0.259	0.129	0.204	343.032920	11.726235	-1321.66	-1409.29

2.4 Star Slots

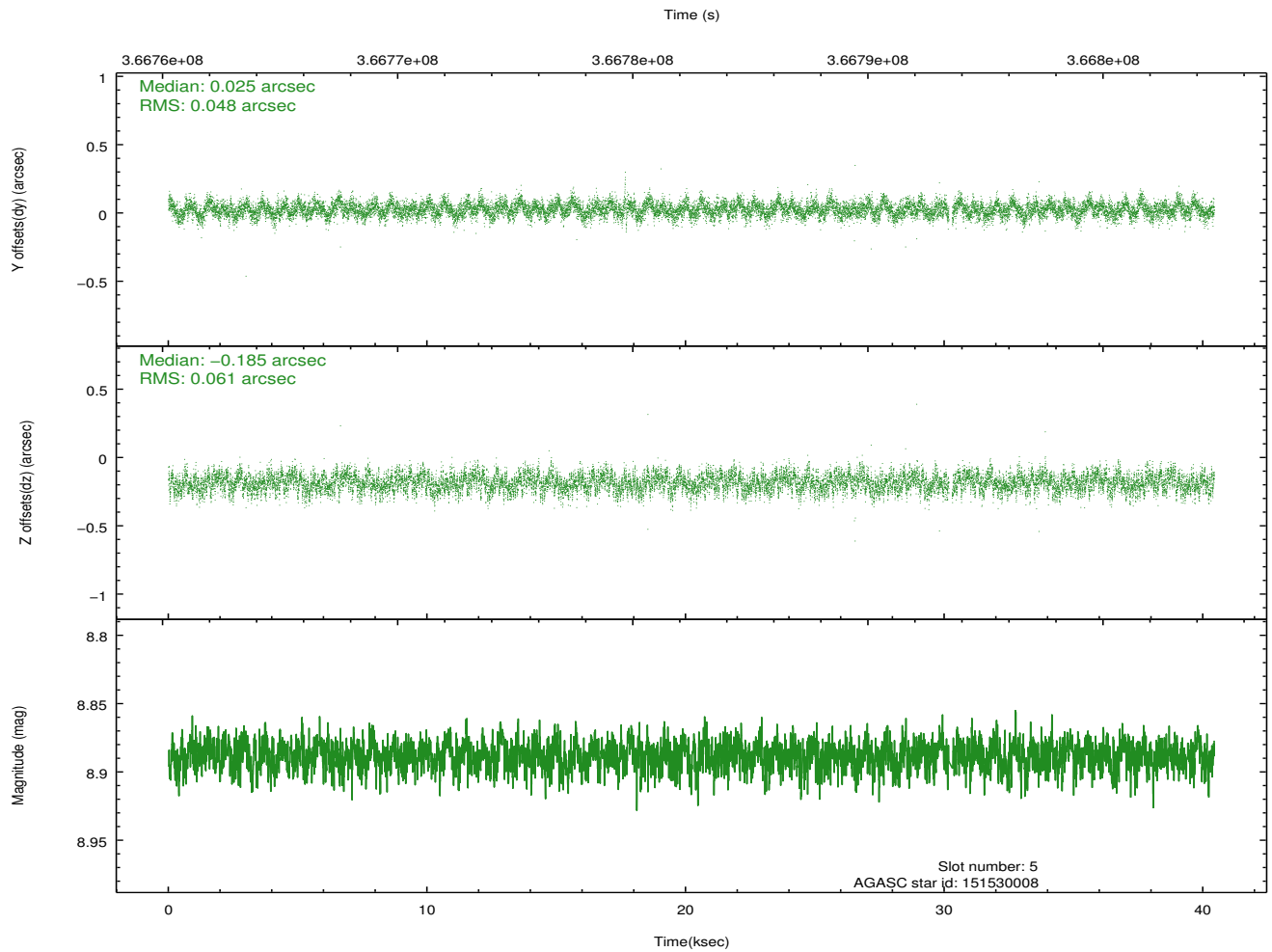
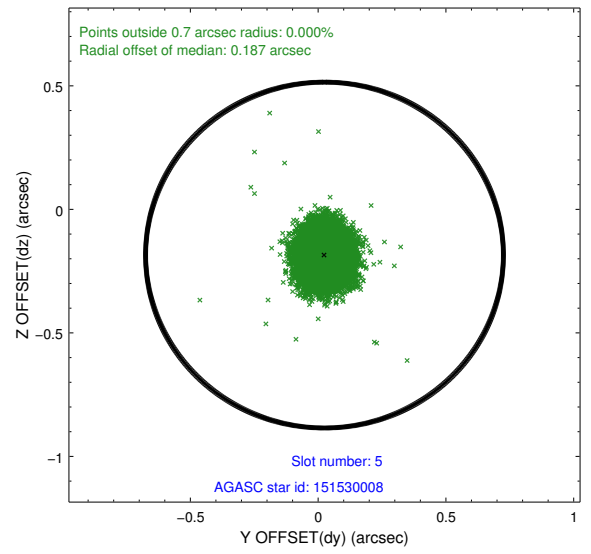
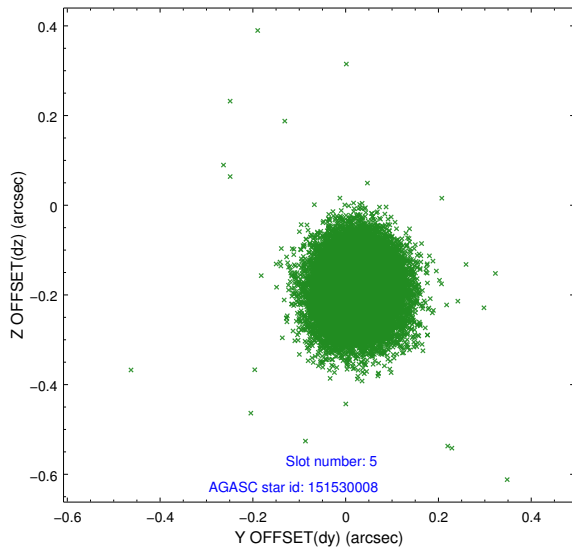
2.4.1 Slot 3



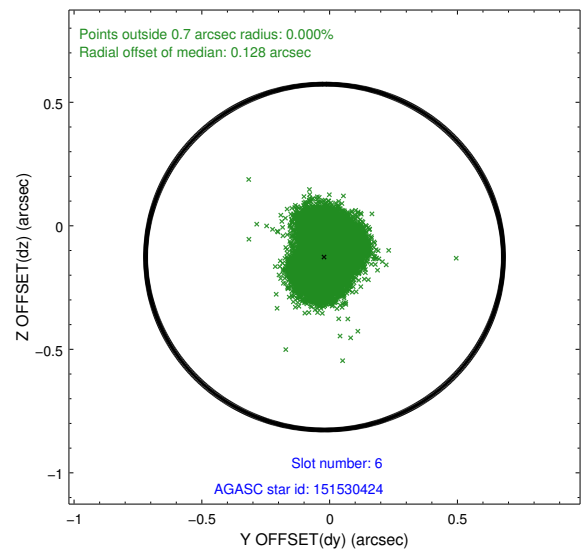
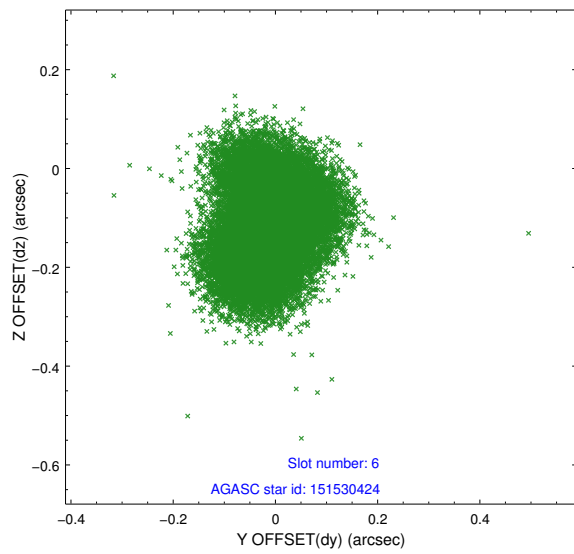
2.4.2 Slot 4



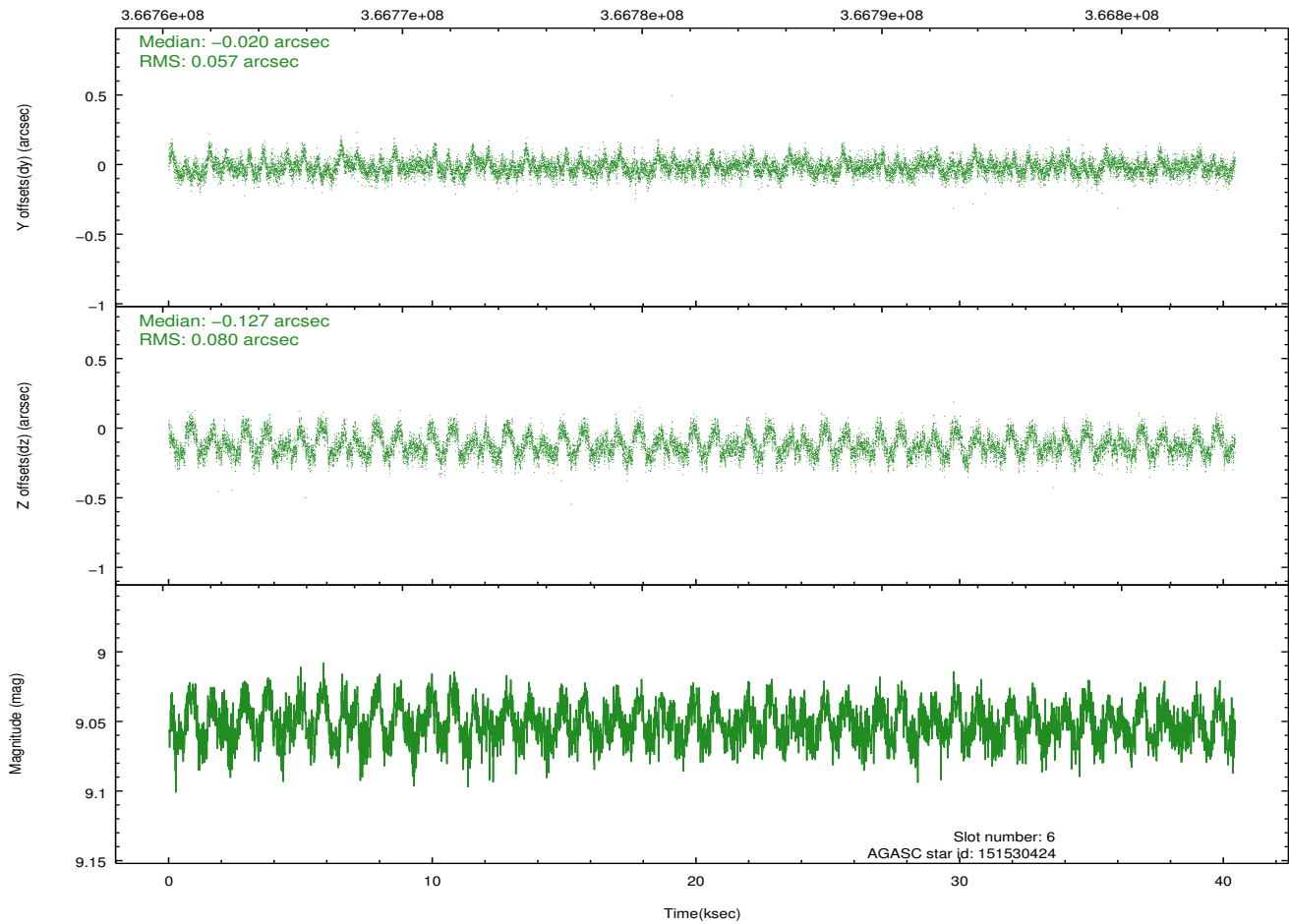
2.4.3 Slot 5



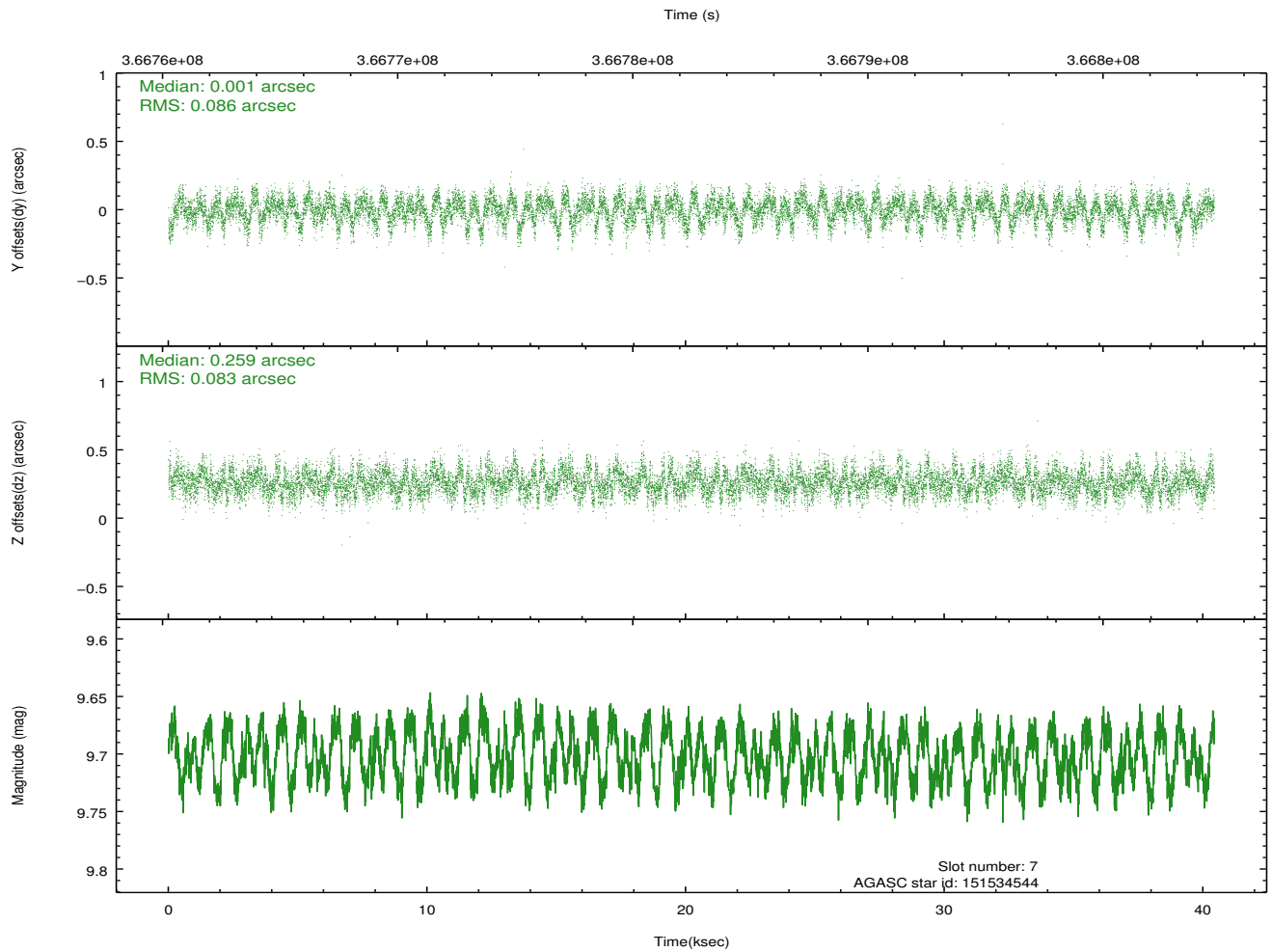
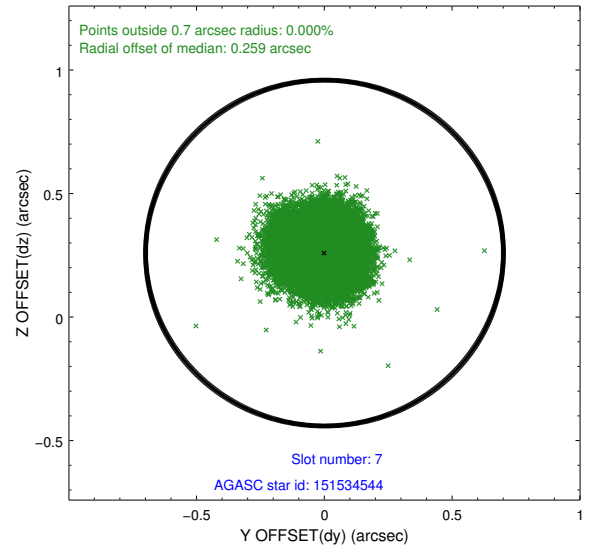
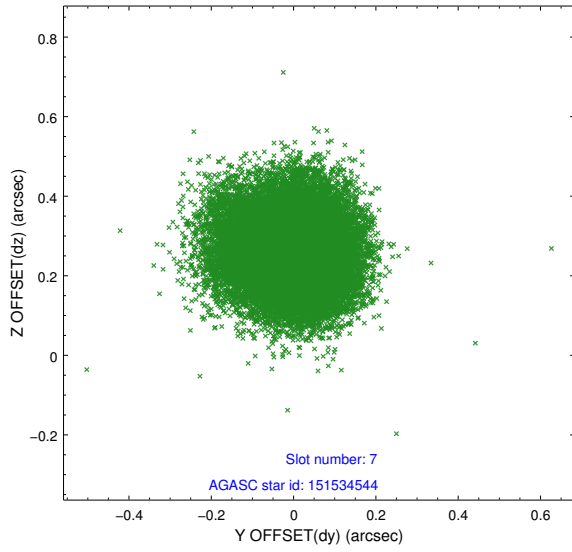
2.4.4 Slot 6



Time (s)

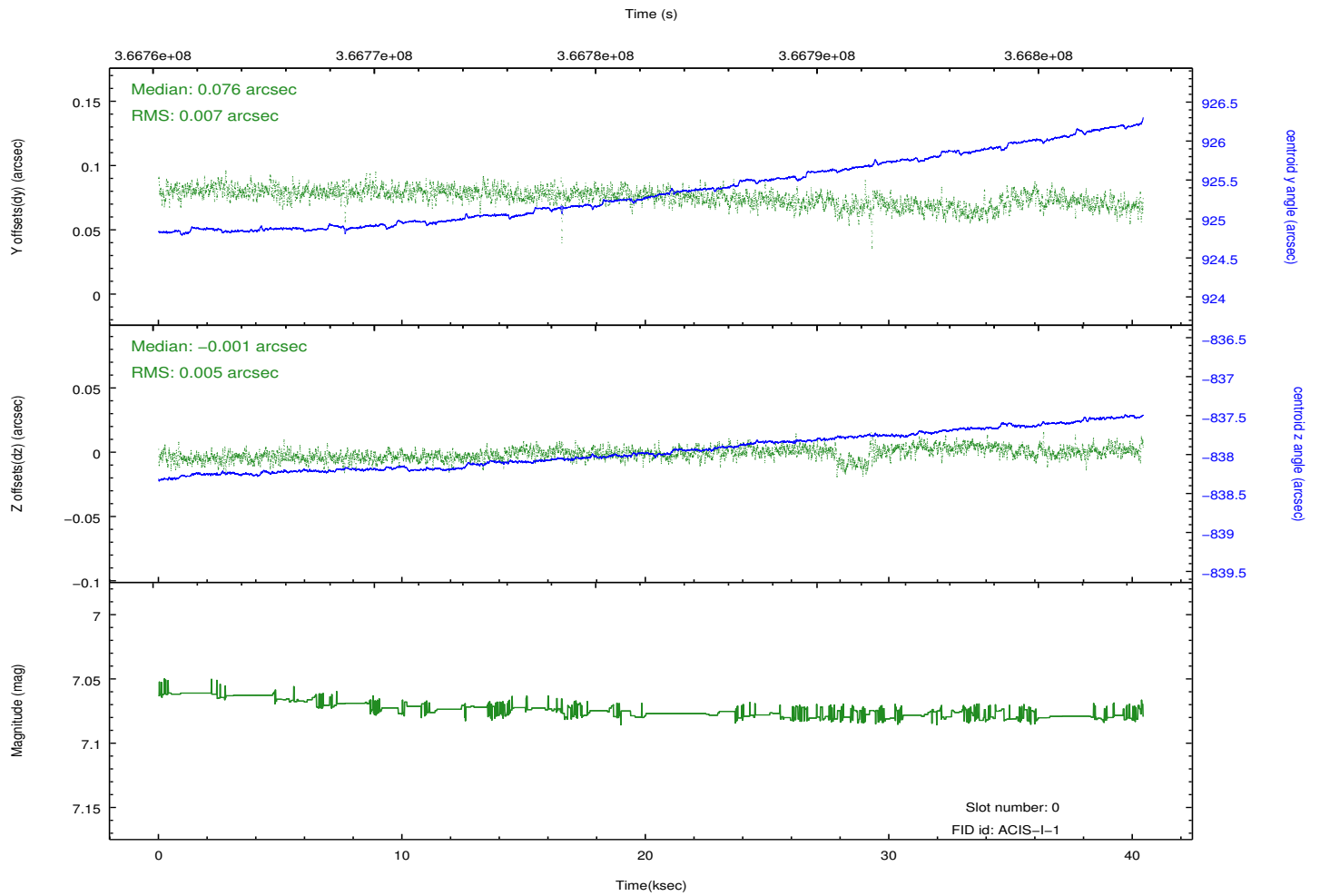
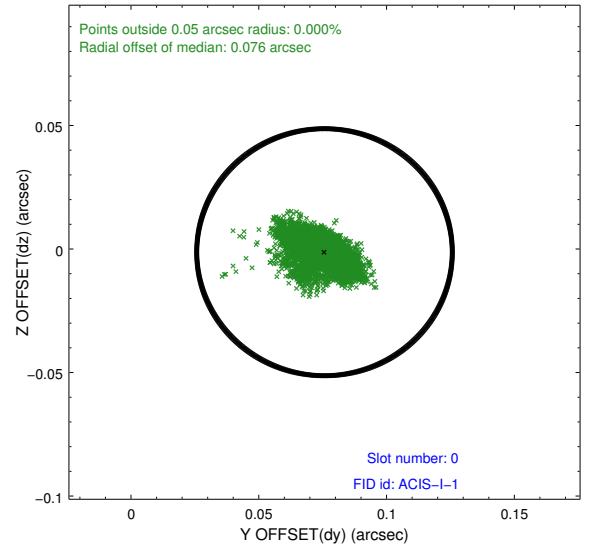
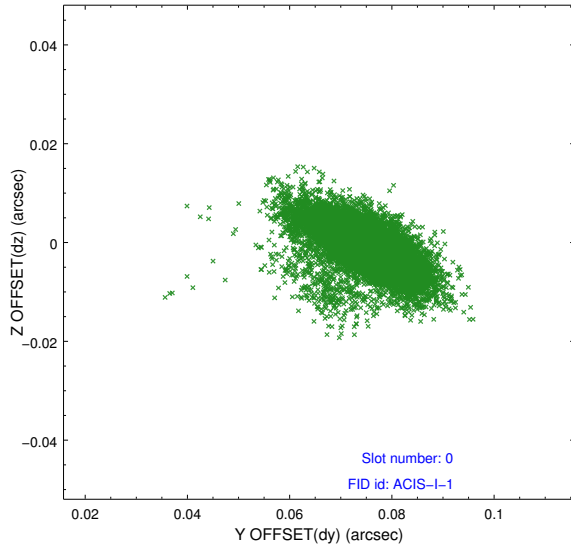


2.4.5 Slot 7

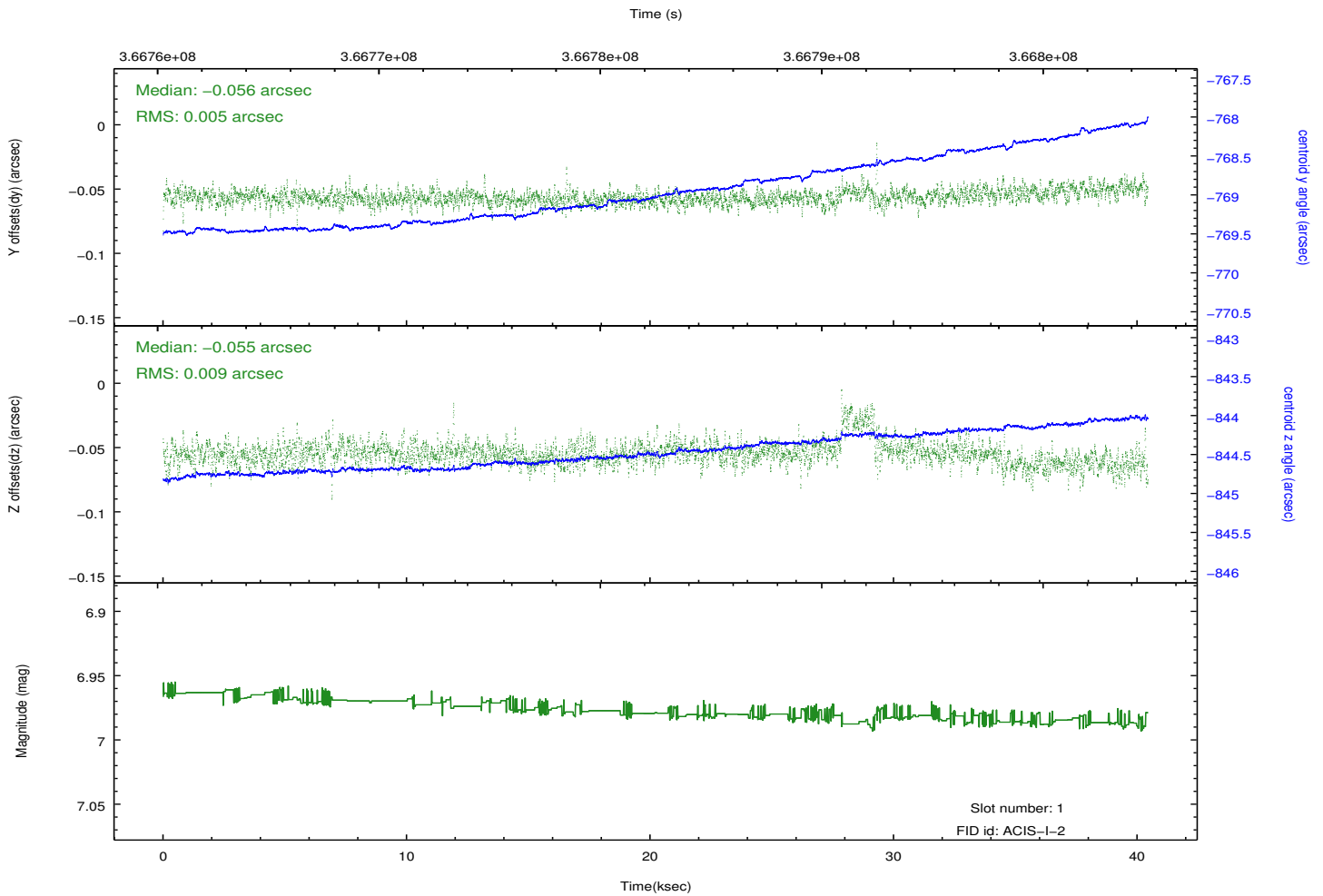
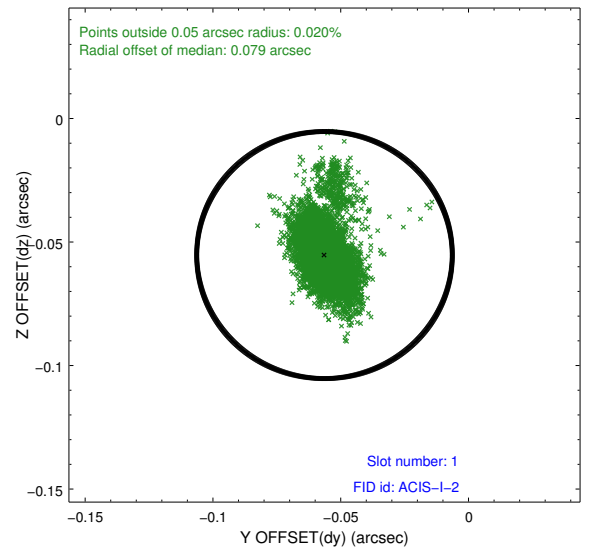
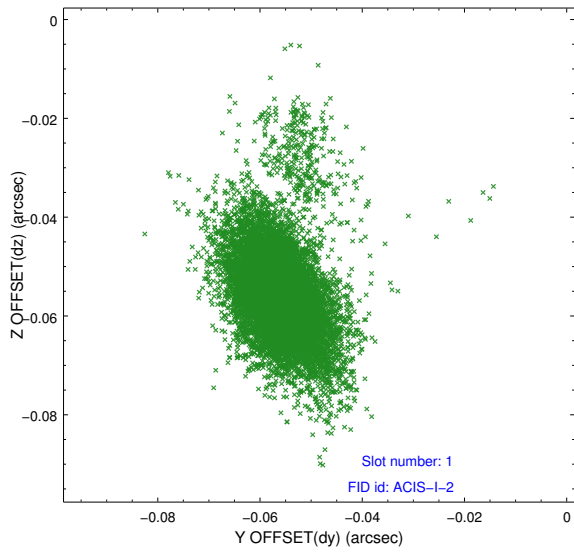


2.5 FID Slots

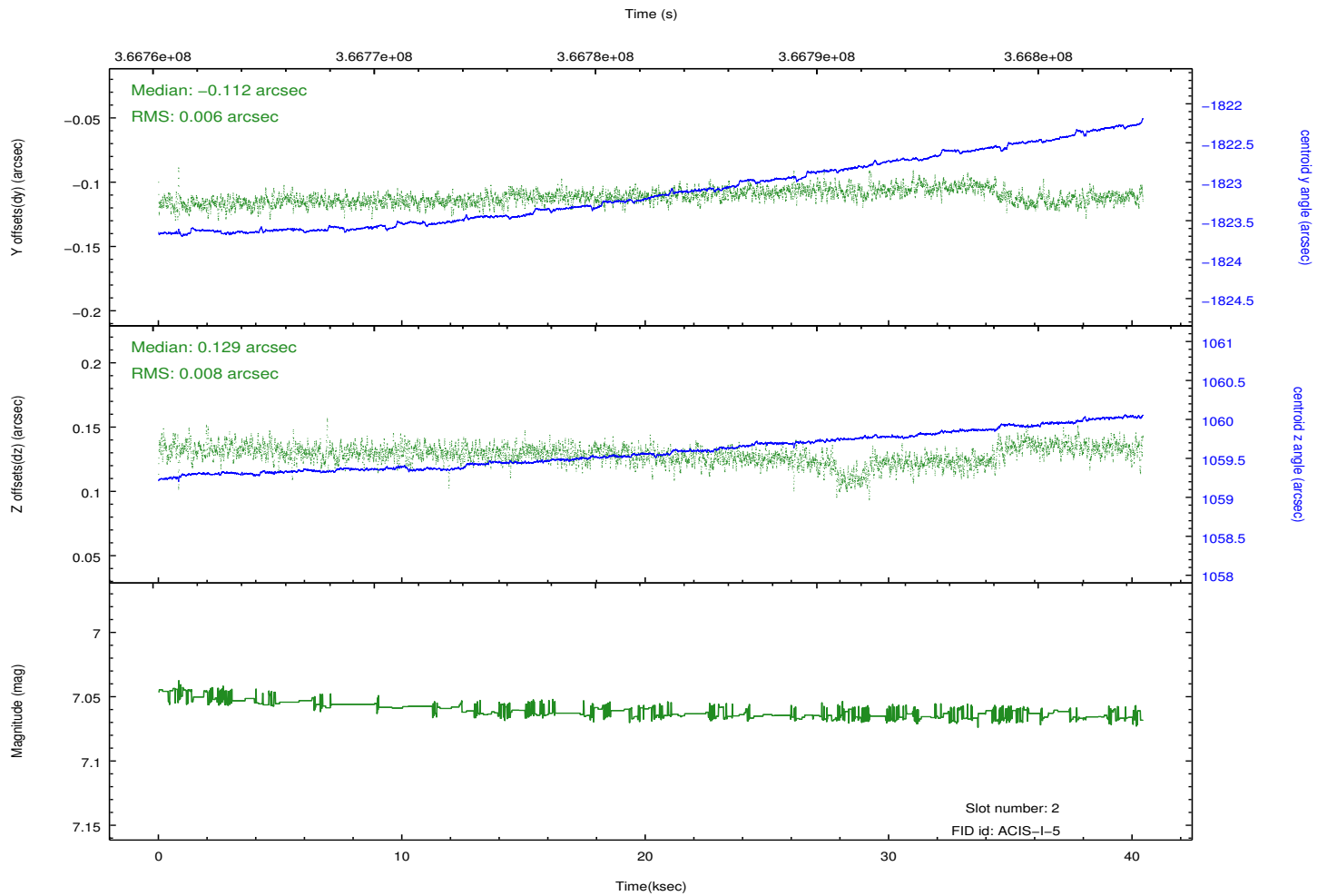
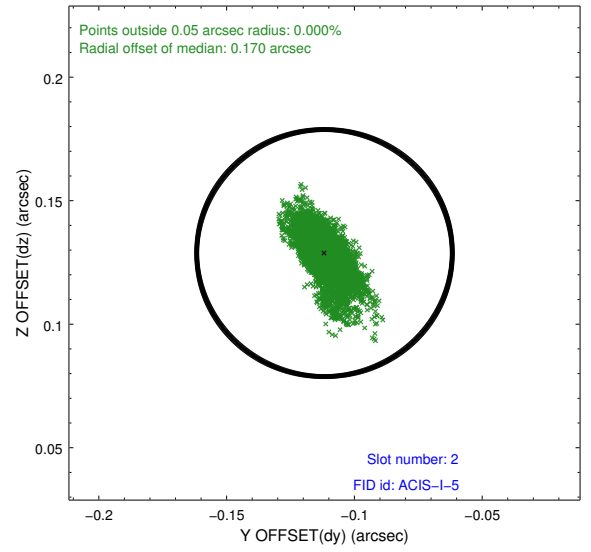
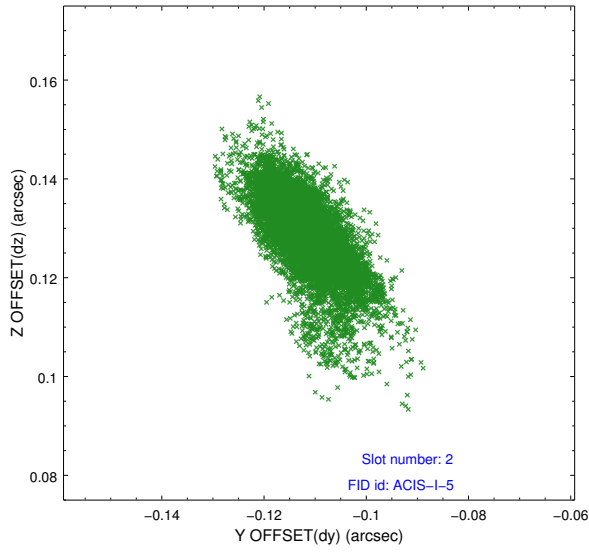
2.5.1 Slot 0



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)	2012.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.8503772

A.2 Comments

Joint proposal: HST