

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4583 - L2 Version 3
Chandra X-Ray Center

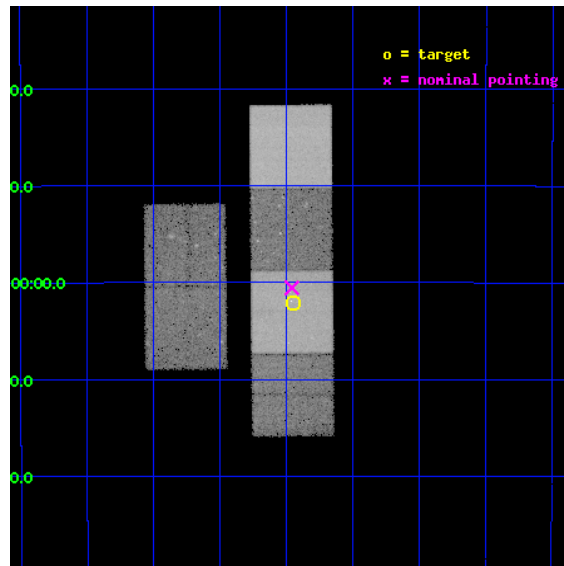
L2 Processing Date : Dec 1 2012

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1 Front

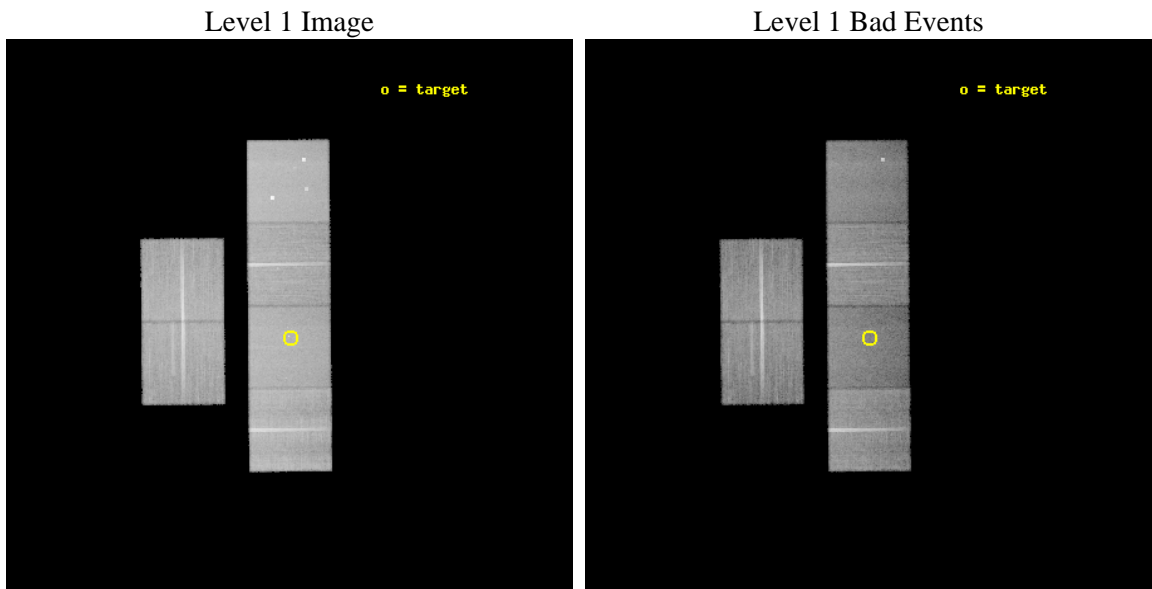
seq_num	400365	Sequence number
obs_id	4583	Observation id
title	Localizing the X-Ray Transient 4U 1730-22	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	4U 1730-22	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.4875	Observer's specified target RA [deg]
dec_targ	-22.035278	Observer's specified target Dec [deg]
ra_nom	263.48961495012	Nominal RA [deg]
dec_nom	-22.009084074248	Nominal Dec [deg]
roll_nom	89.489543311211	Nominal Roll [deg]
revision	3	Processing version of data
ontime	40358.399849653	Sum of GTIs [s]
livetime	39847.357489846	Livetime [s]
ontime2	40355.158849478	Sum of GTIs [s]
ontime3	40358.399849653	Sum of GTIs [s]
ontime5	40358.399849653	Sum of GTIs [s]
ontime6	40358.399849653	Sum of GTIs [s]
ontime7	40358.399849653	Sum of GTIs [s]
ontime8	40355.158839464	Sum of GTIs [s]
l2events	357953	Number of level 2 events



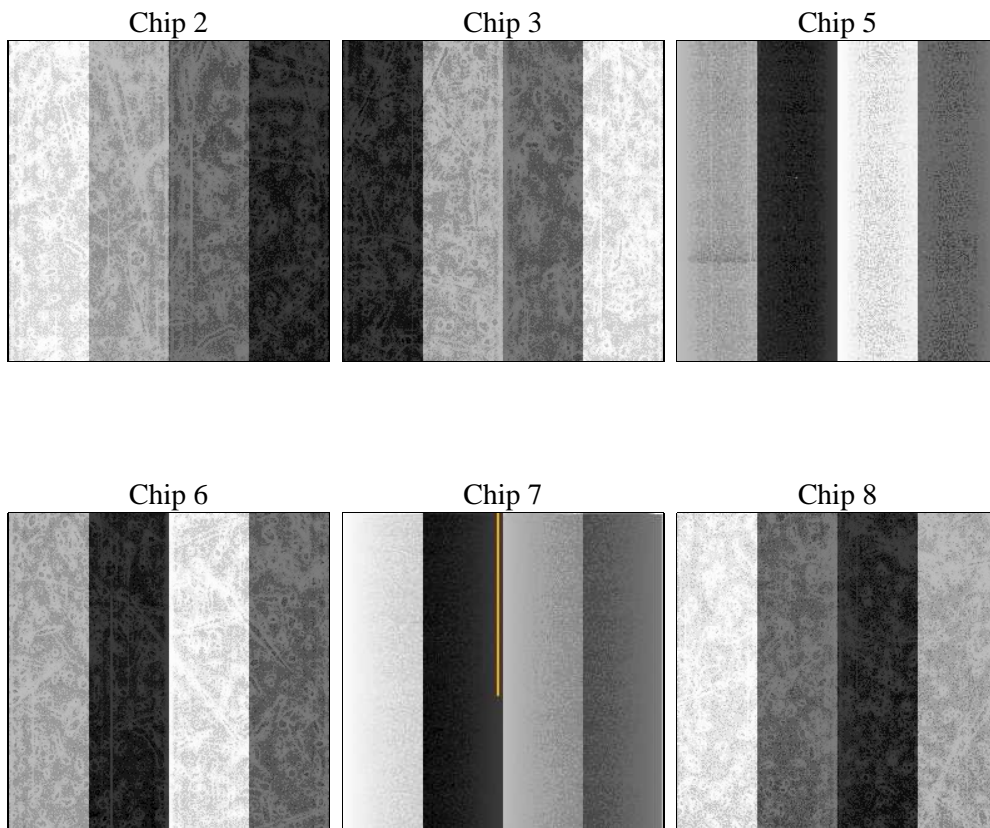
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40400.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	40358.399849653	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	40355.158849478	Sum of GTIs [s]
date	2012-12-01T07:38:11	Date and time of file creation	ontime3	40358.399849653	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	40358.399849653	Sum of GTIs [s]
			ontime6	40358.399849653	Sum of GTIs [s]
			ontime7	40358.399849653	Sum of GTIs [s]
			ontime8	40355.158839464	Sum of GTIs [s]
			l1events	1617197	Number of level 1 events

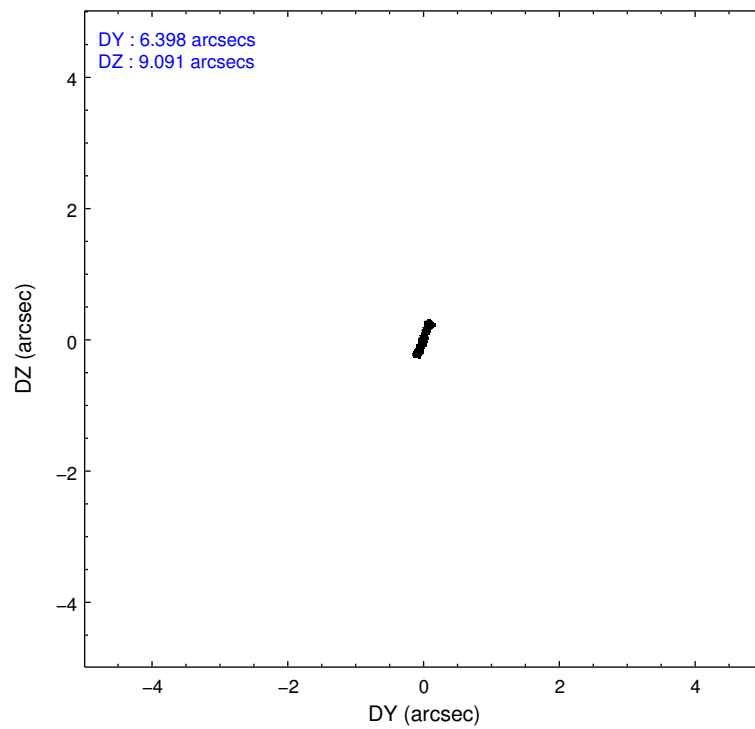
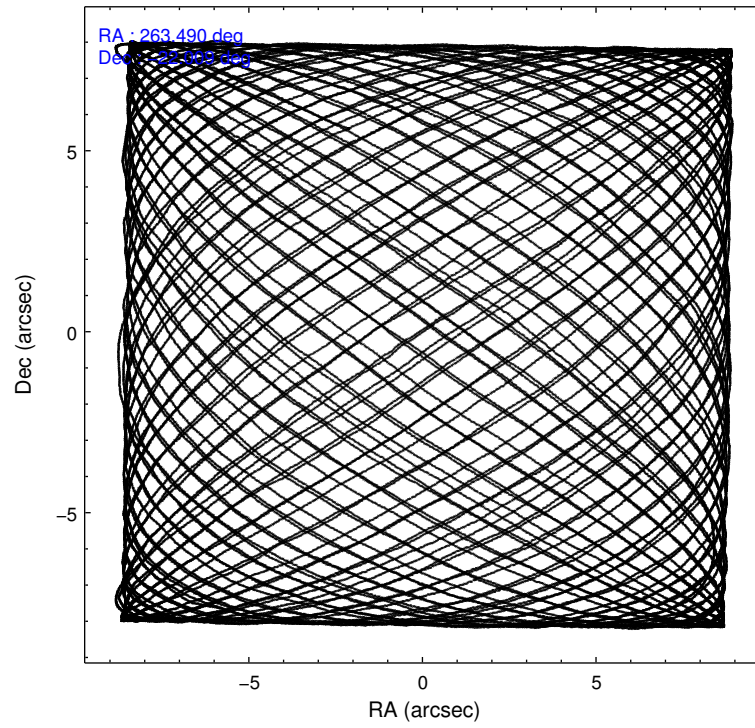
2.1.4 Events

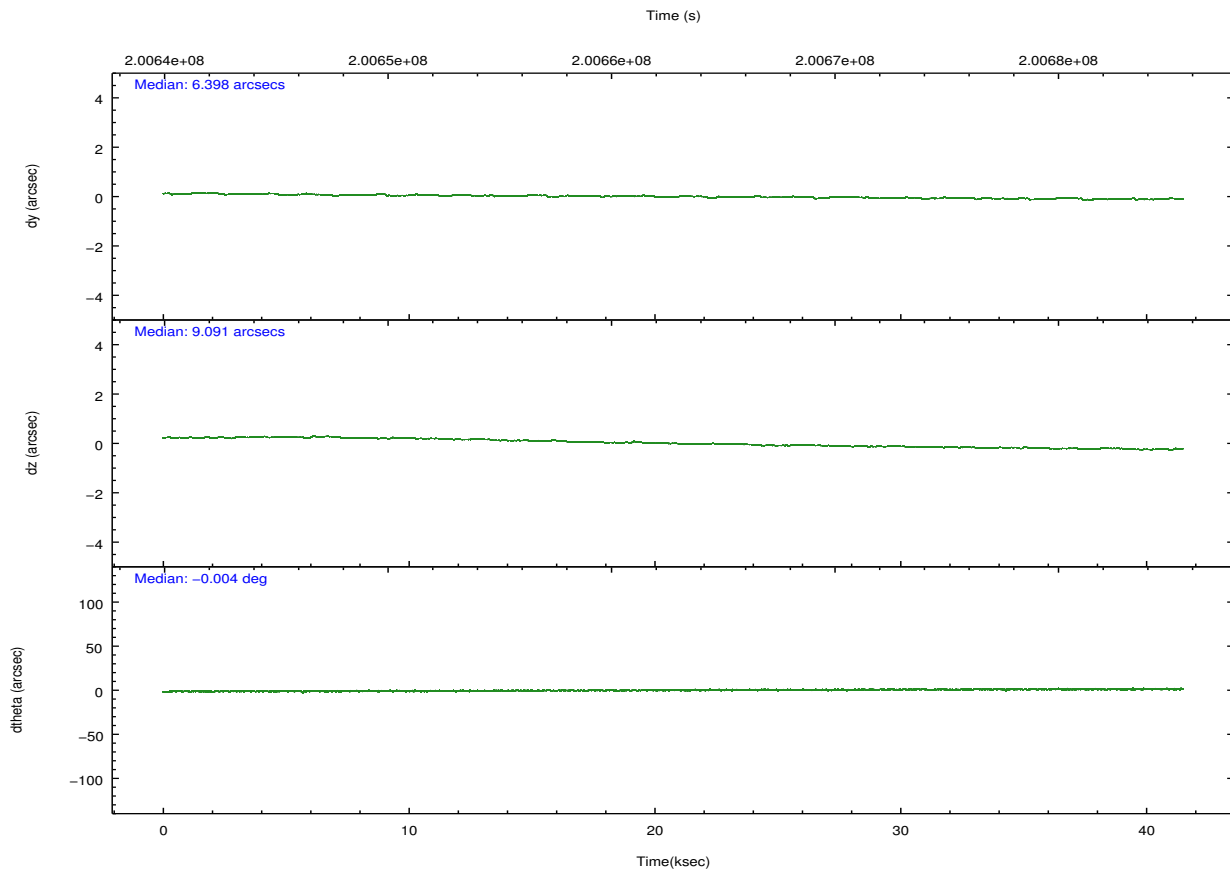
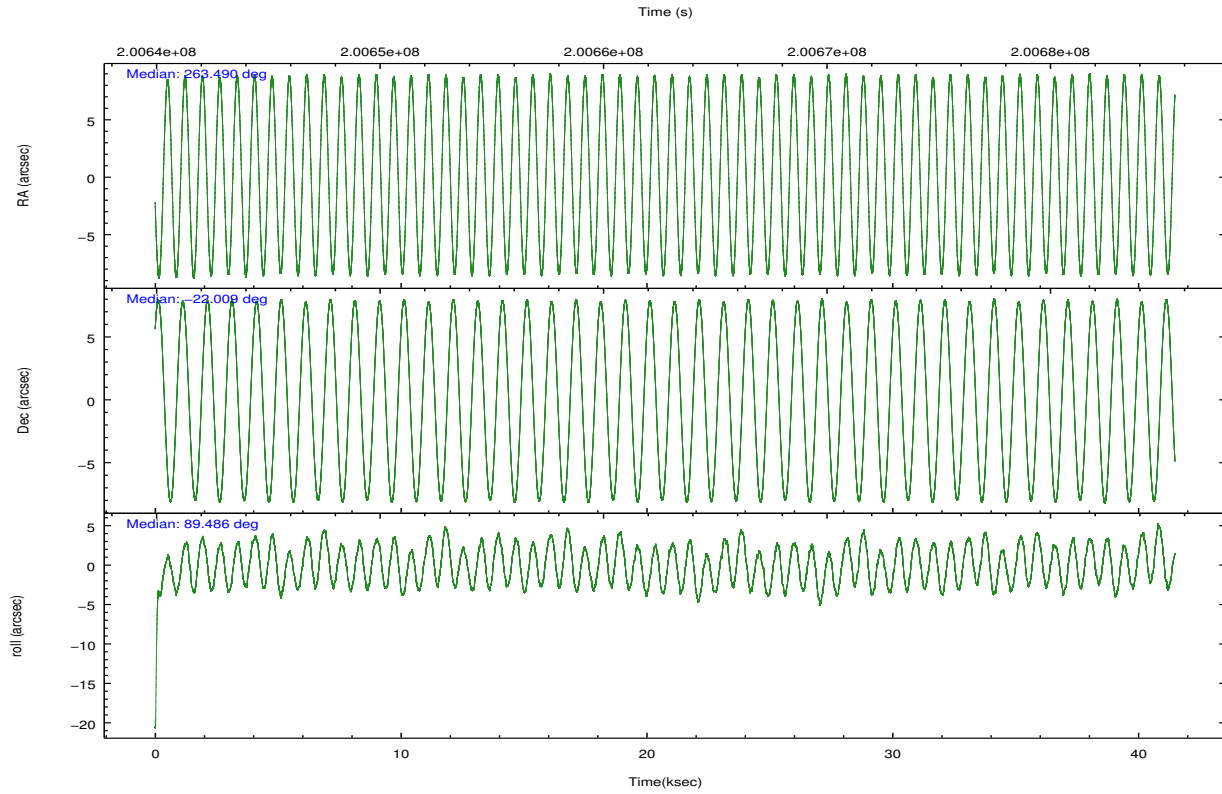
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	255491	234489	323657	243388	263917	296255	grade 0 events	9896	9222	18464	10997	12089	20791
rejected events	230606	210975	161429	216172	141261	228057		3%	3%	5%	4%	4%	7%
rejected %	90%	89%	49%	88%	53%	76%	grade 1 events	137	148	396	126	239	193
								0%	0%	0%	0%	0%	0%
							grade 2 events	5565	4641	47121	5494	25134	15002
								2%	1%	14%	2%	9%	5%
							grade 3 events	2526	2704	7690	2880	11820	7234
								0%	1%	2%	1%	4%	2%
							grade 4 events	2663	2615	7178	2774	11790	6866
								1%	1%	2%	1%	4%	2%
							grade 5 events	8025	9019	27167	9350	27537	13363
								3%	3%	8%	3%	10%	4%
							grade 6 events	4240	4334	81788	5076	61829	18308
								1%	1%	25%	2%	23%	6%
							grade 7 events	222439	201806	133853	206691	113479	214498
								87%	86%	41%	84%	42%	72%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	263.504439	263.4896149501205	Subarray requested	NONE	NONE
[deg] Pointing Dec	-22.032631	-22.00908407424821	Alternating exposures requested	N	N
[deg] Pointing Roll	89.338471	89.48954331121116	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	200643093.184000	200641682.53252			
Observation start date	2004-05-11T06:10:29	2004-05-11T05:48:02			
[s] Observation end time (MET)	200683493.184000	200684145.7219			
Observation end date	2004-05-11T17:23:49	2004-05-11T17:35:45			
Read mode	TIMED	TIMED			

2.3 Aspect



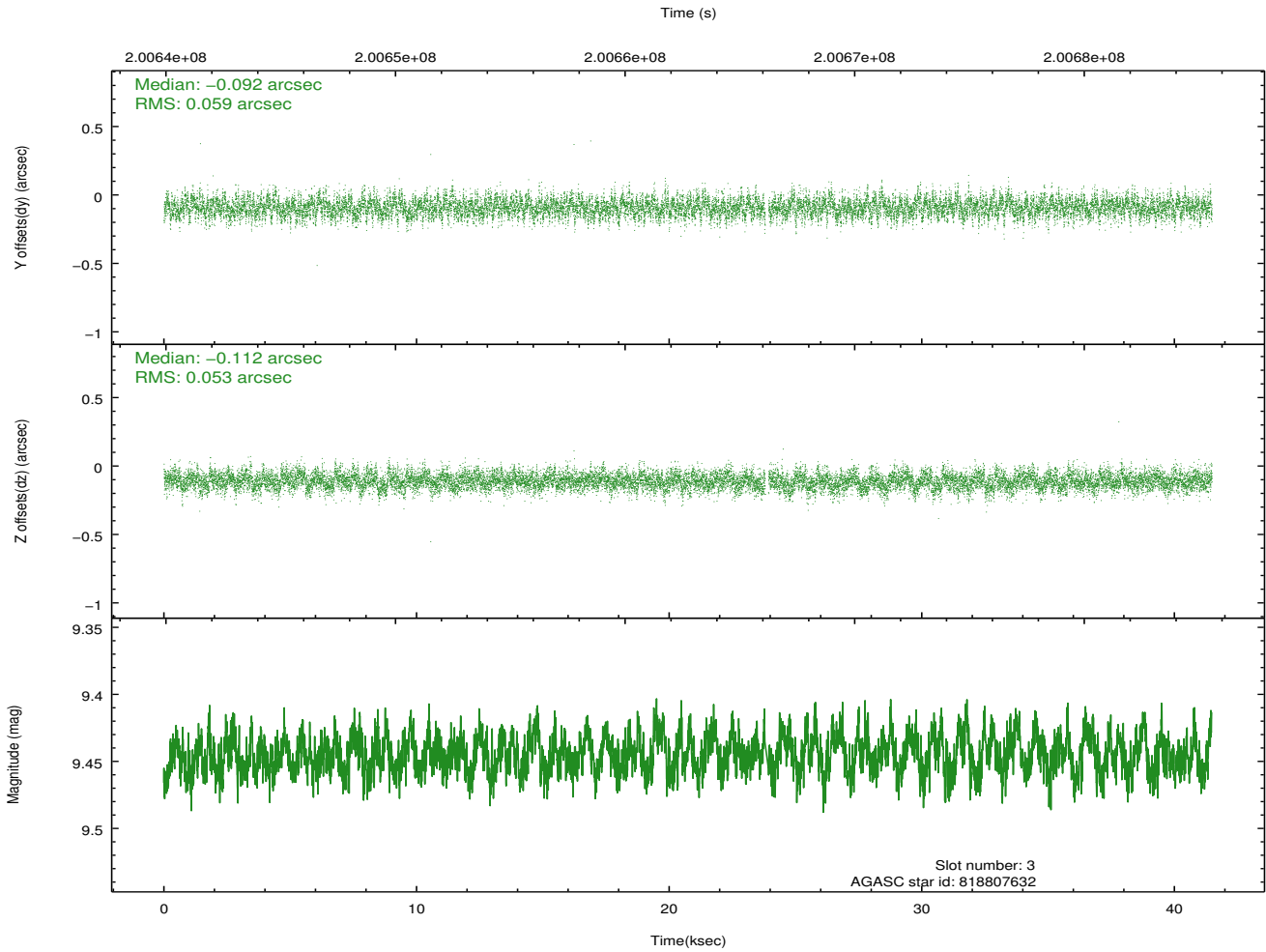
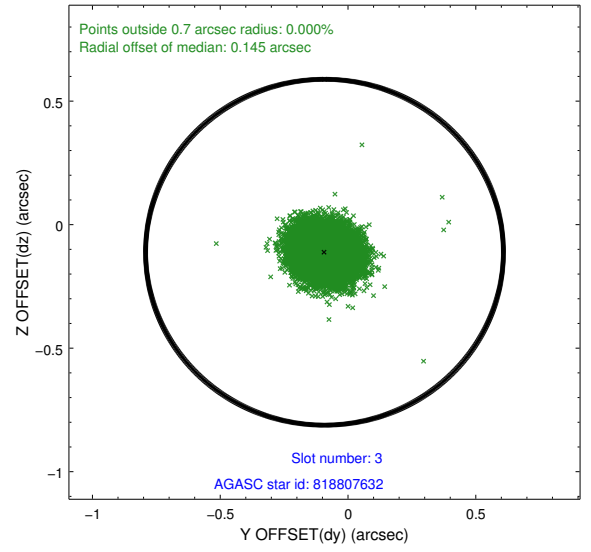
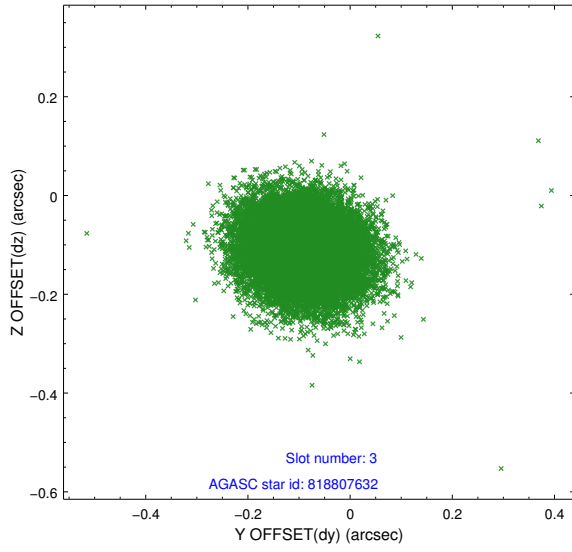


Slot Statistics

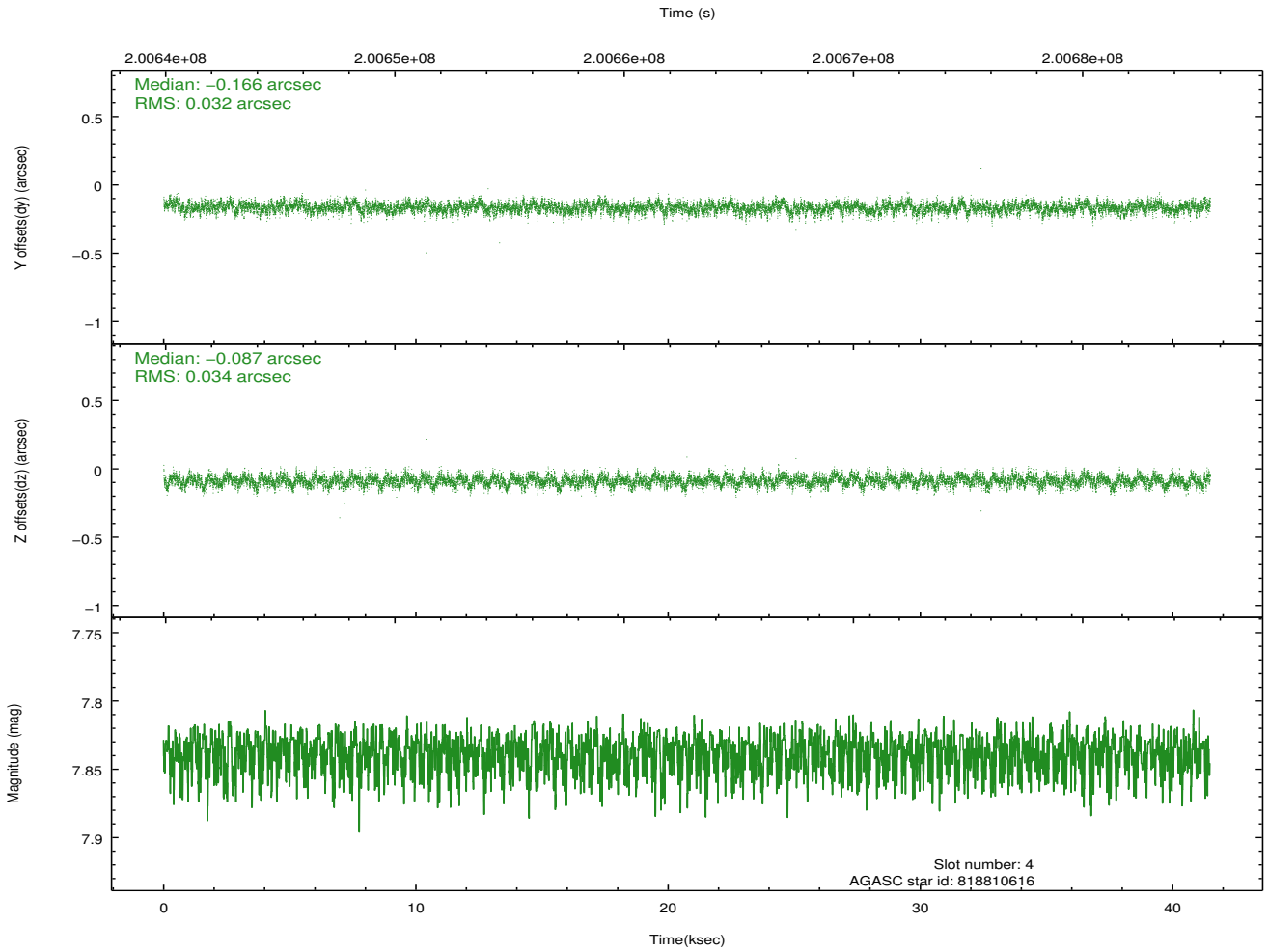
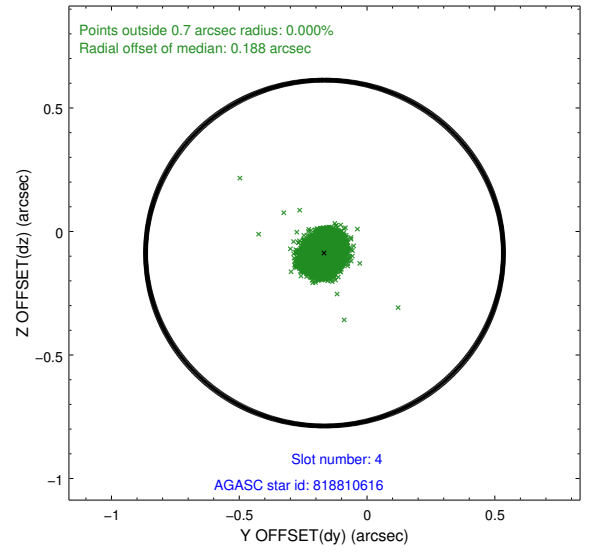
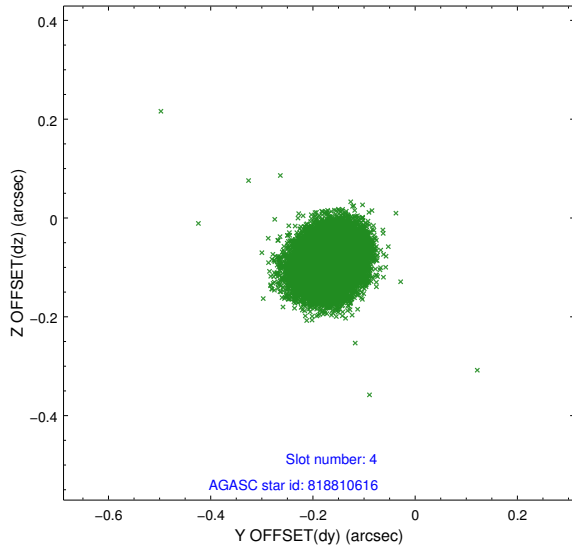
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	10119	-0.050	-0.045	0.008	0.014	0.000000	0.000000	-759.17	-1730.38
1	FID	ACIS-S-4	7.21	10118	0.090	0.036	0.006	0.011	0.000000	0.000000	2154.23	178.19
2	FID	ACIS-S-5	7.23	10119	-0.071	0.018	0.008	0.013	0.000000	0.000000	-1812.03	171.84
3	GUIDE	818807632	9.45	20163	-0.092	-0.112	0.084	0.137	262.882186	-21.522238	1808.99	2105.06
4	GUIDE	818810616	7.84	20233	-0.166	-0.087	0.050	0.080	263.165516	-21.873468	558.60	1138.93
5	GUIDE	894698768	9.27	20228	0.149	-0.055	0.087	0.145	263.387852	-22.648443	-2221.13	361.69
6	GUIDE	894832256	8.82	20232	0.085	0.081	0.082	0.127	264.009371	-22.542673	-1819.30	-1699.98
7	GUIDE	820526624	9.10	20228	0.026	0.179	0.088	0.145	264.120973	-22.441088	-1450.71	-2068.29

2.4 Star Slots

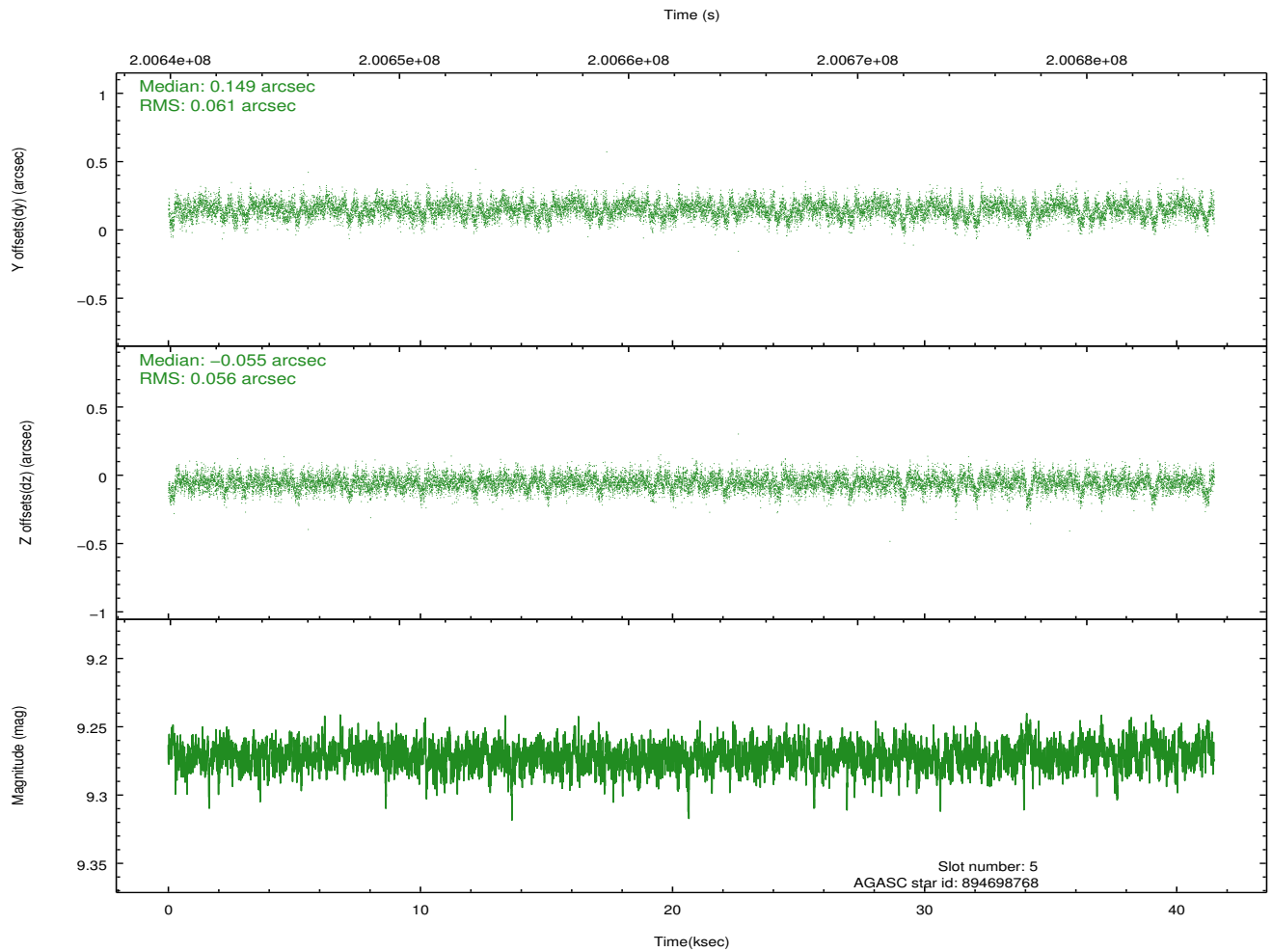
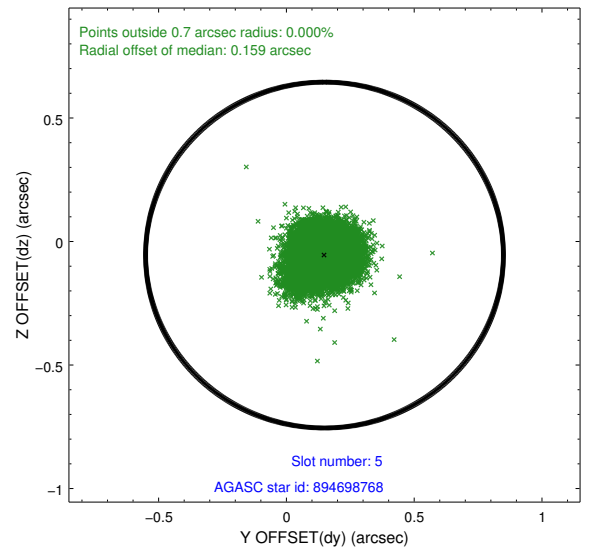
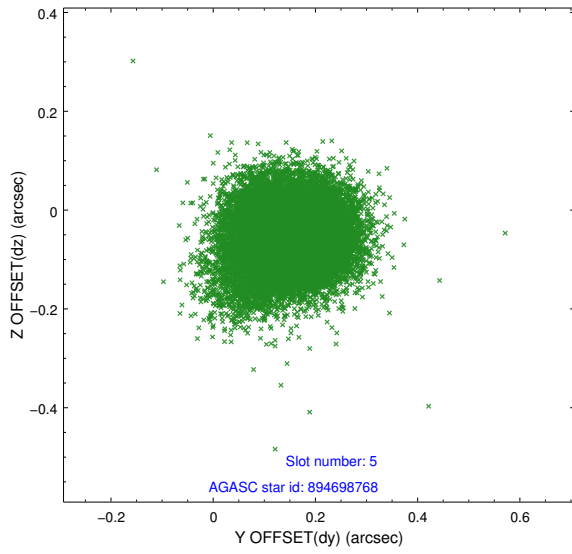
2.4.1 Slot 3



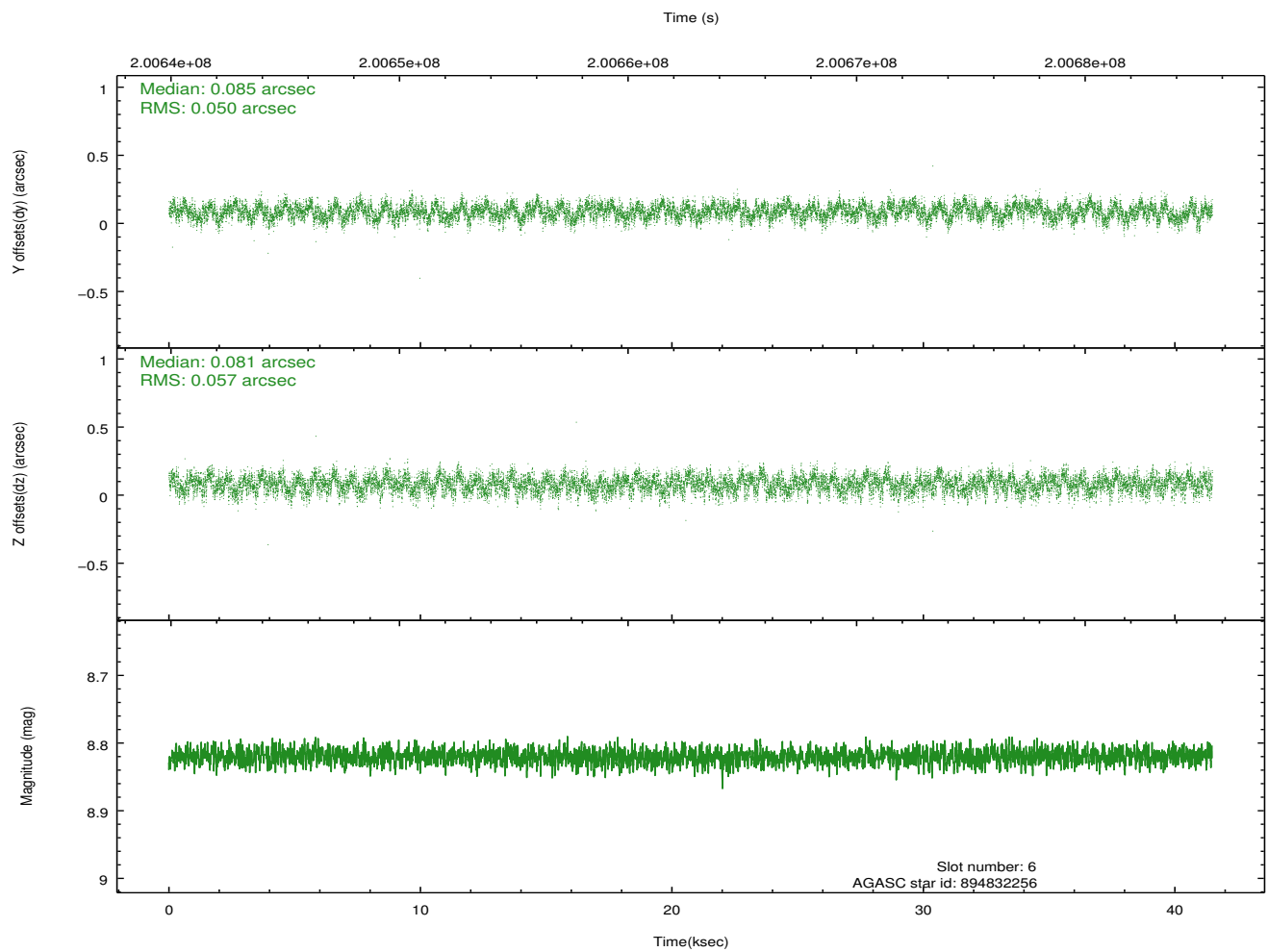
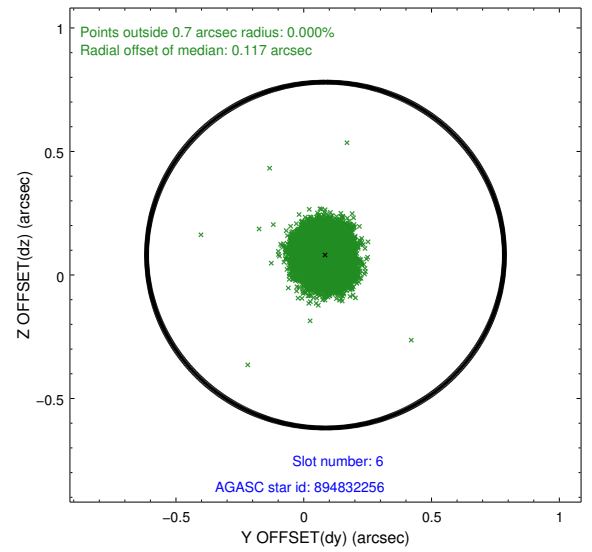
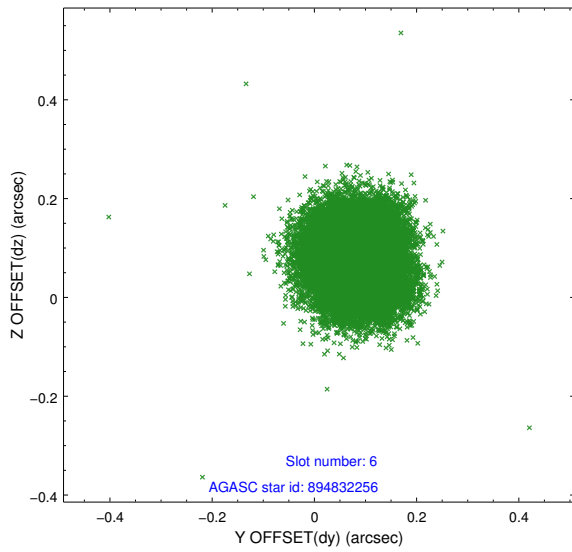
2.4.2 Slot 4



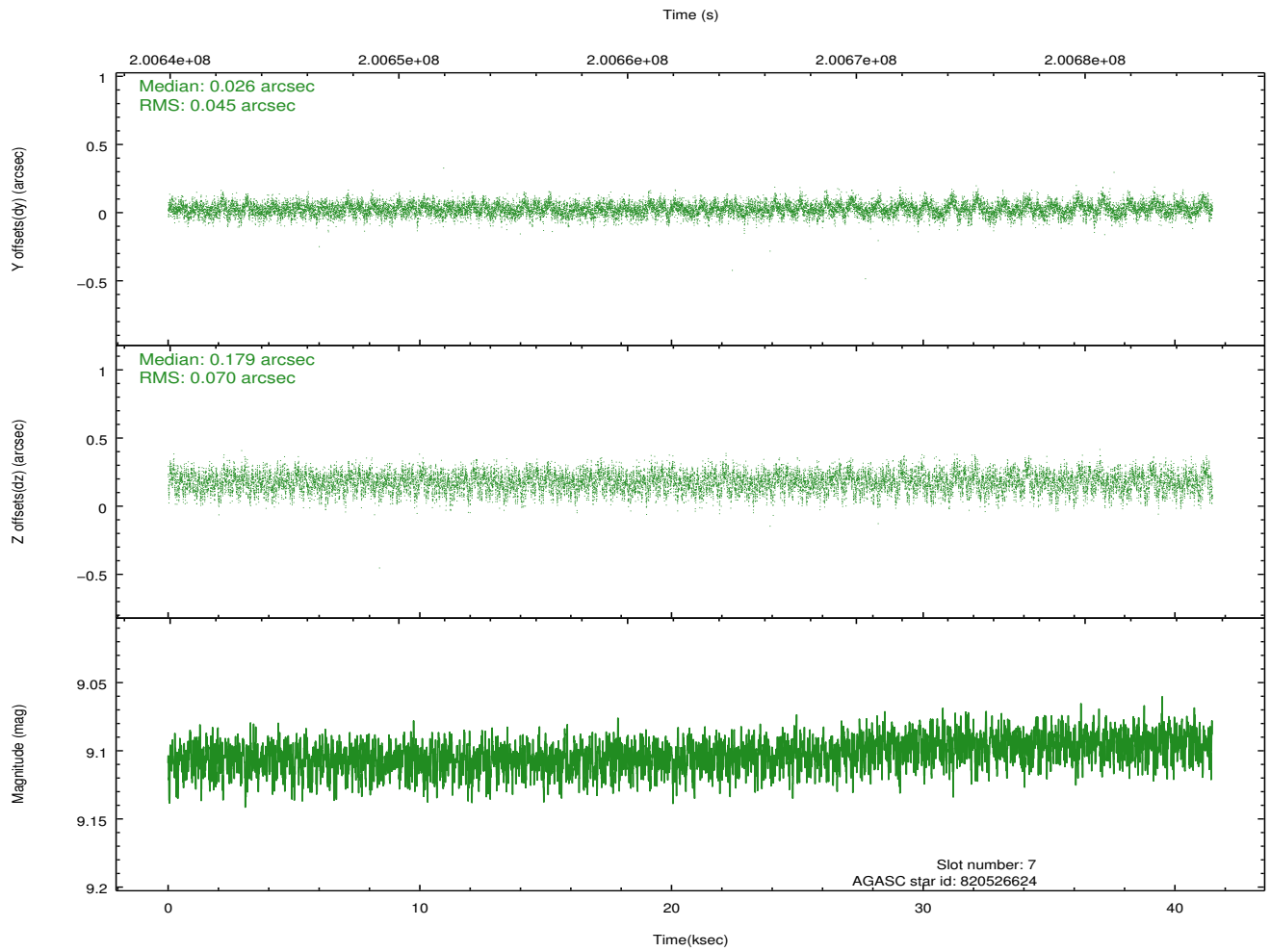
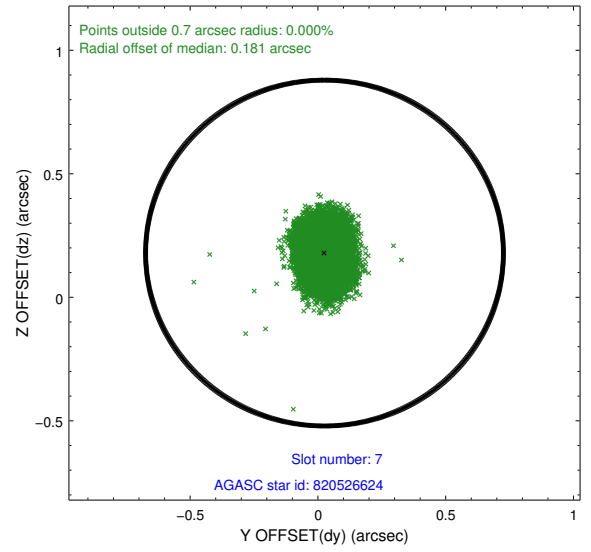
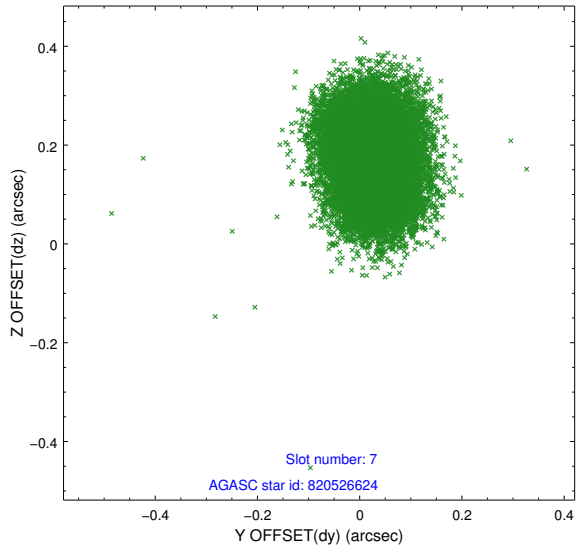
2.4.3 Slot 5



2.4.4 Slot 6

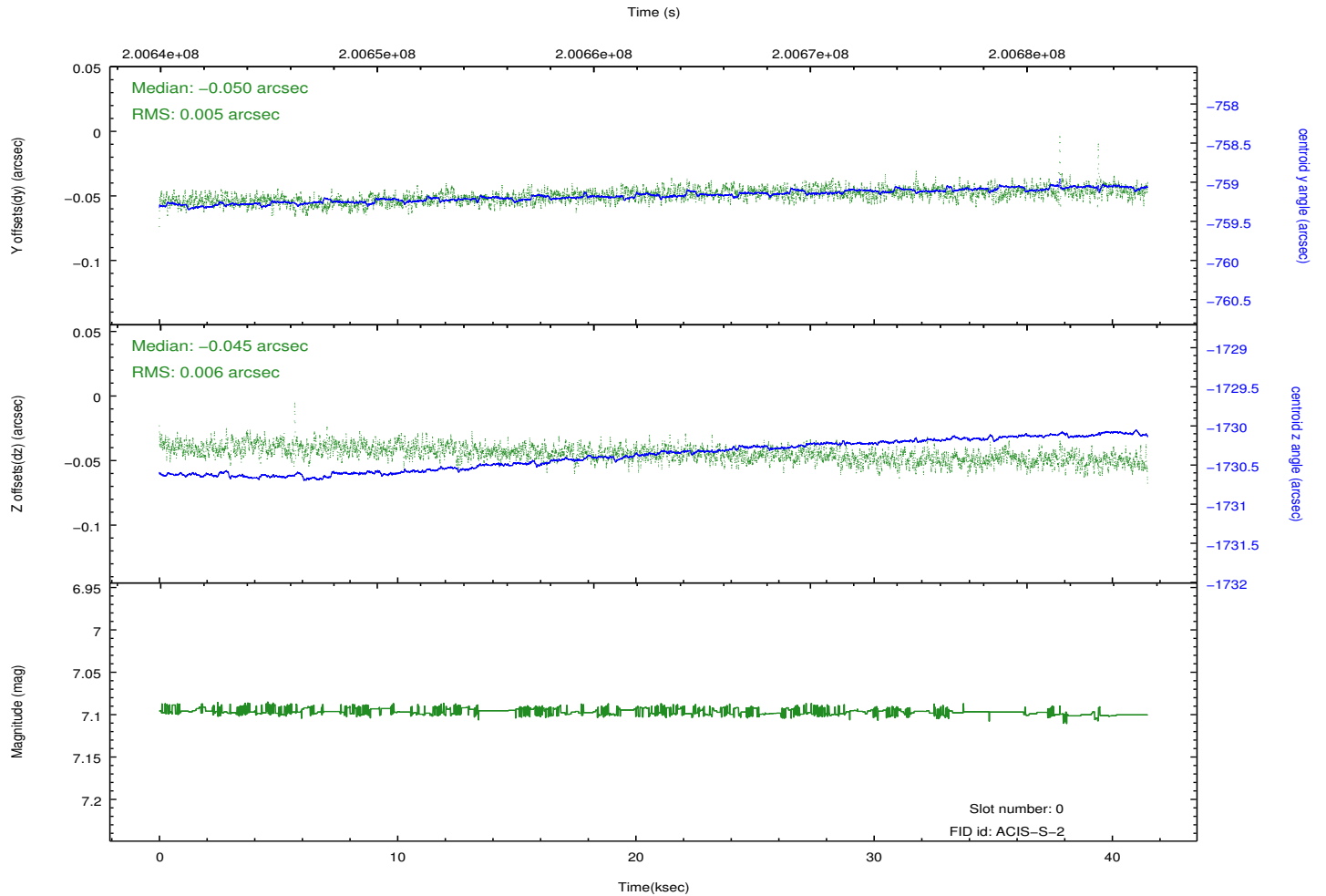
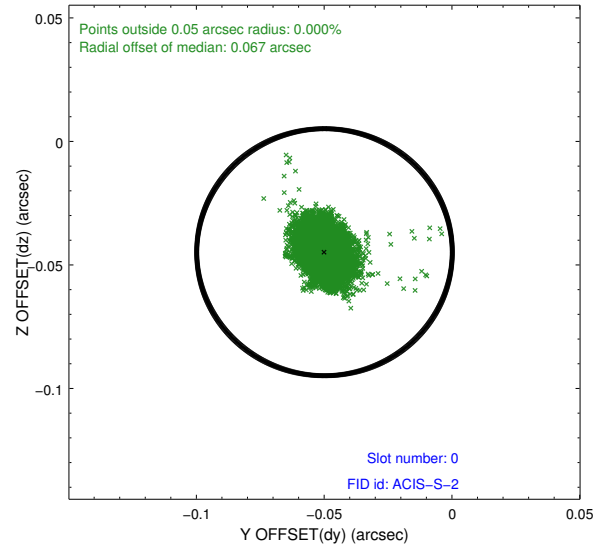
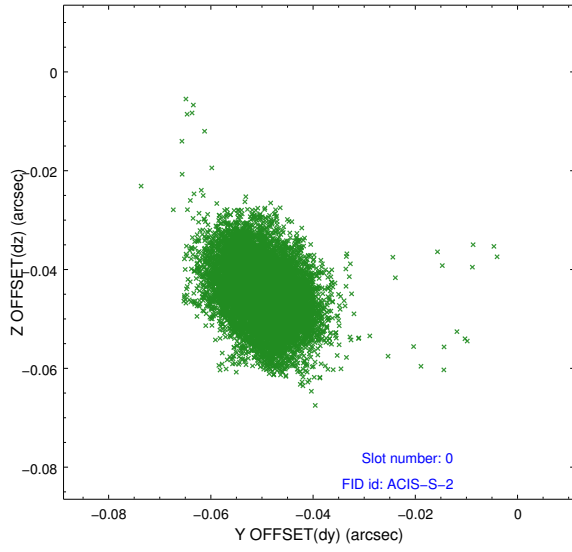


2.4.5 Slot 7

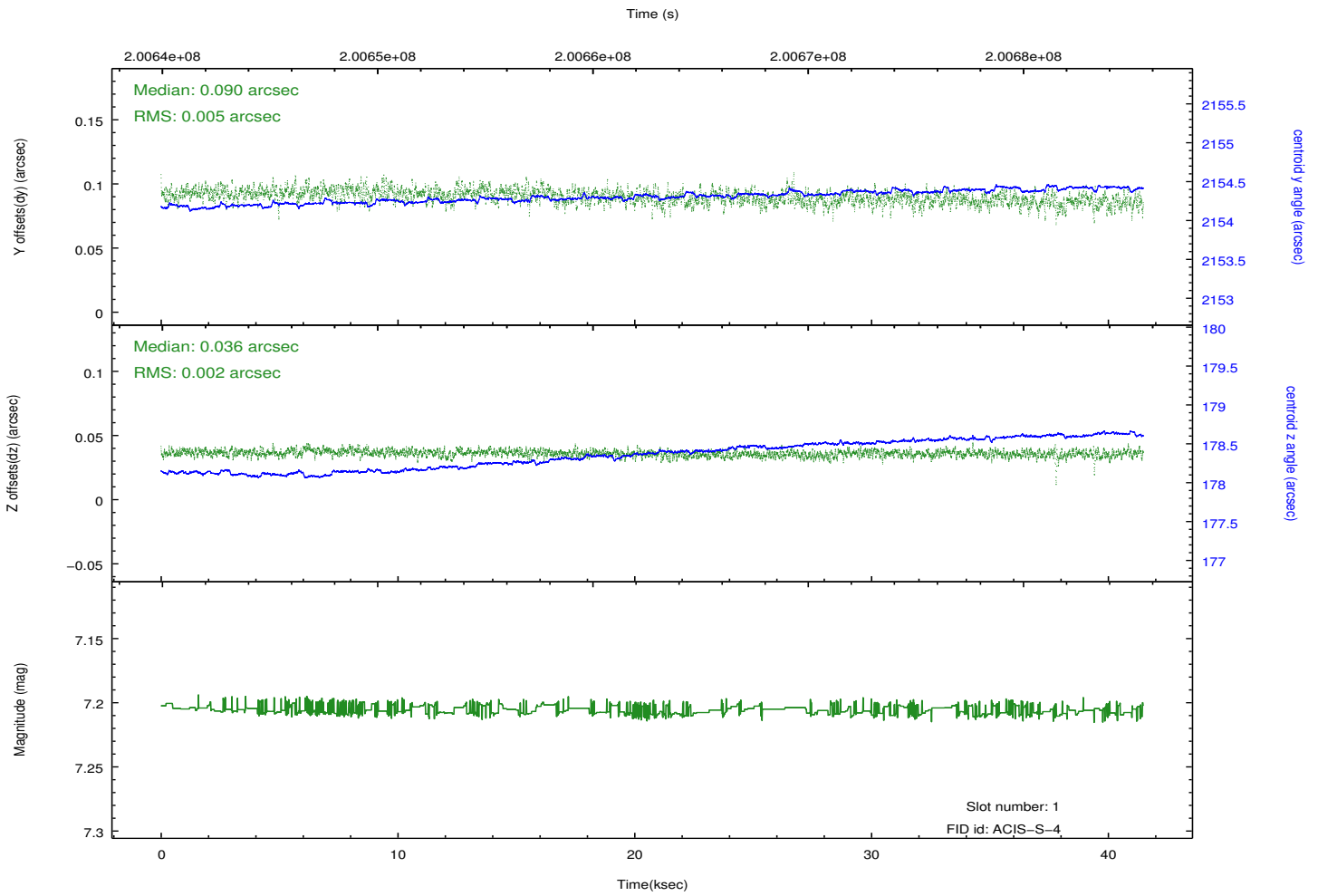
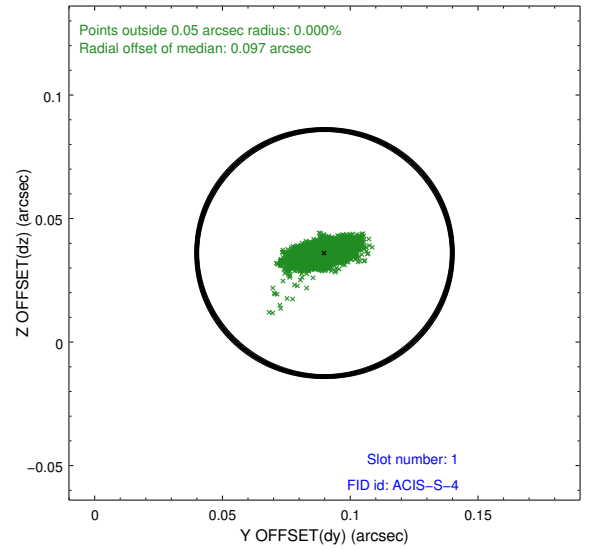
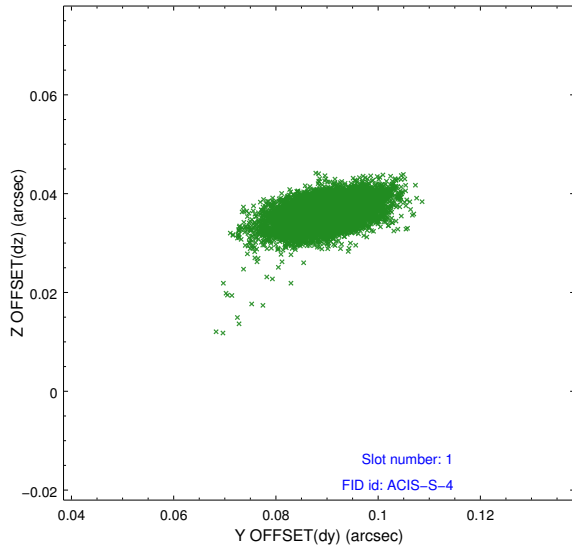


2.5 FID Slots

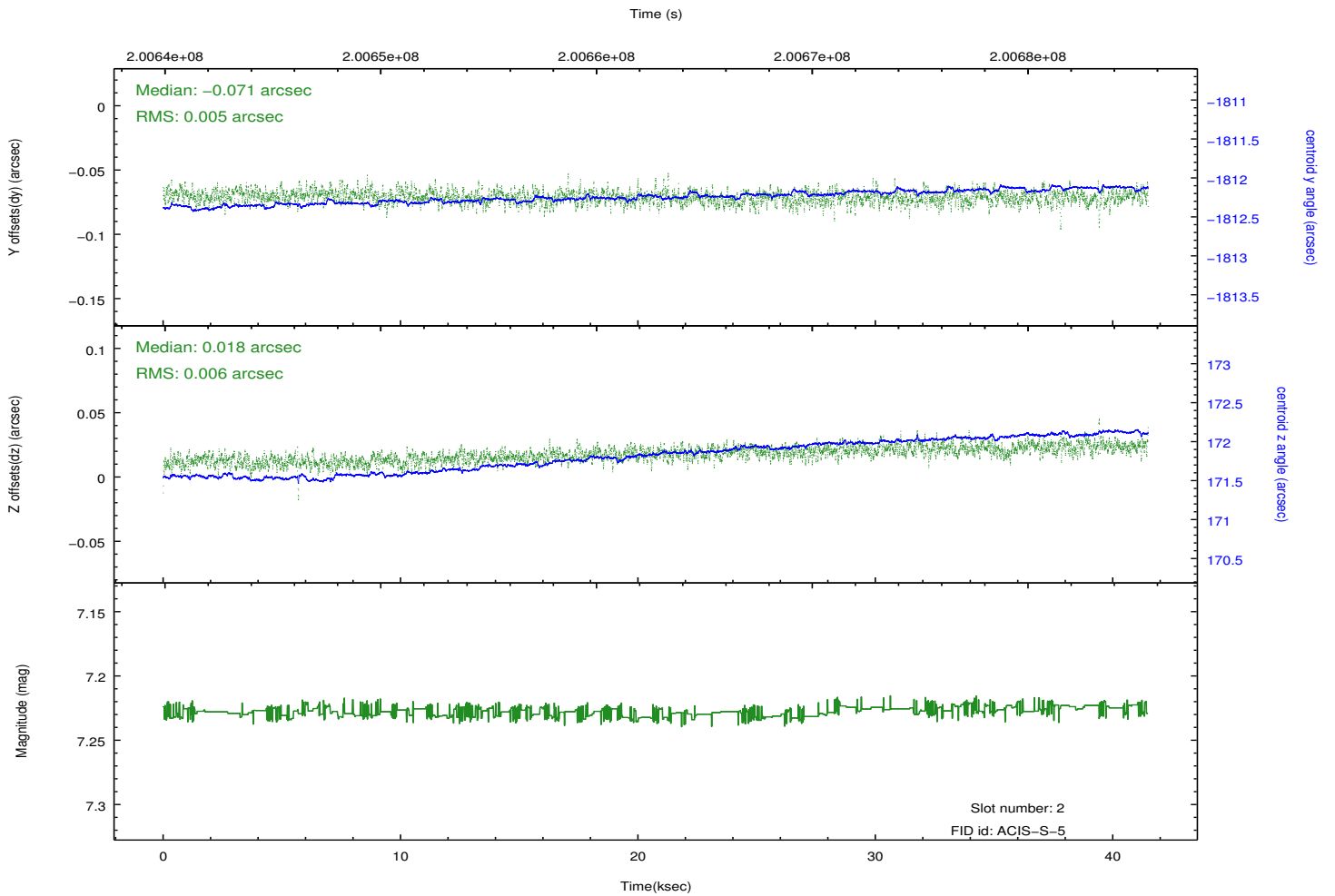
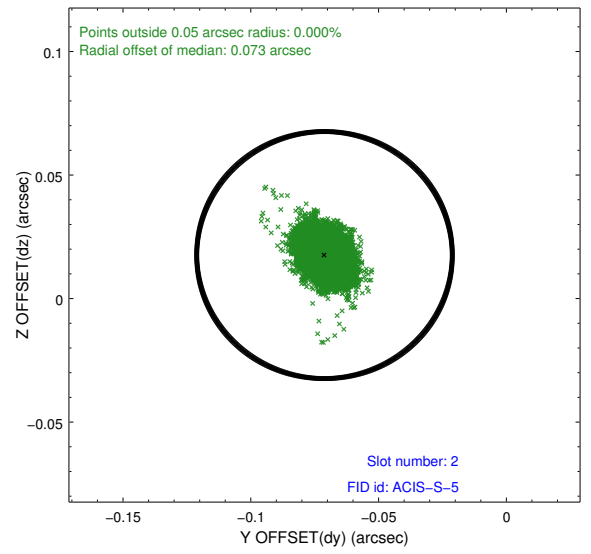
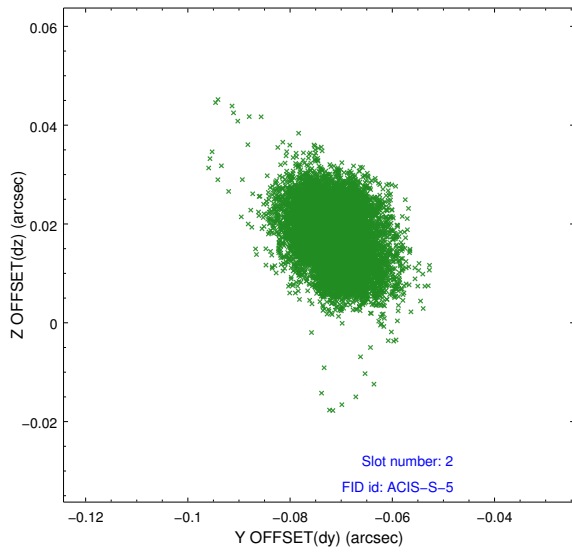
2.5.1 Slot 0



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)	2012.12.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.361

A.2 Comments