

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11229 - L2 Version 2
Chandra X-Ray Center

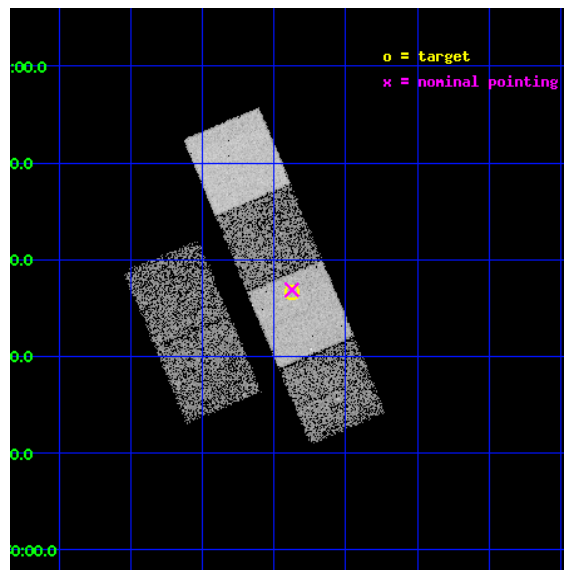
L2 Processing Date : Jun 18 2012

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1 Front

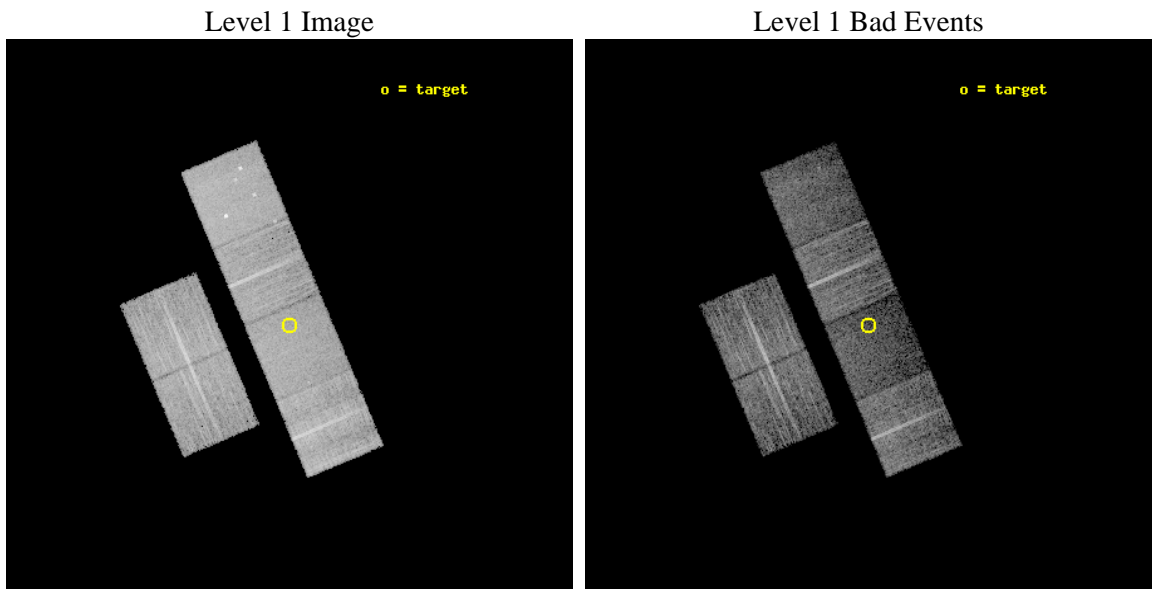
seq_num	501314	Sequence number
obs_id	11229	Observation id
title	Catching up to the Hydrogen Envelope: Late-time X-ray Observations of Type Ib/c SNe	Proposal title
observer	Prof. David Pooley	Principal investigator
object	SN 1996aq	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	215.594583	Observer's specified target RA [deg]
dec_targ	-0.390083	Observer's specified target Dec [deg]
ra_nom	215.59384364938	Nominal RA [deg]
dec_nom	-0.38535539183465	Nominal Dec [deg]
roll_nom	67.156621490642	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7039.6932098866	Sum of GTIs [s]
livetime	6950.5523756686	Livetime [s]
ontime2	7039.7342498899	Sum of GTIs [s]
ontime3	7039.5700898767	Sum of GTIs [s]
ontime5	7039.6521698833	Sum of GTIs [s]
ontime6	7039.61112988	Sum of GTIs [s]
ontime7	7039.6932098866	Sum of GTIs [s]
ontime8	7039.5290498734	Sum of GTIs [s]
l2events	83751	Number of level 2 events



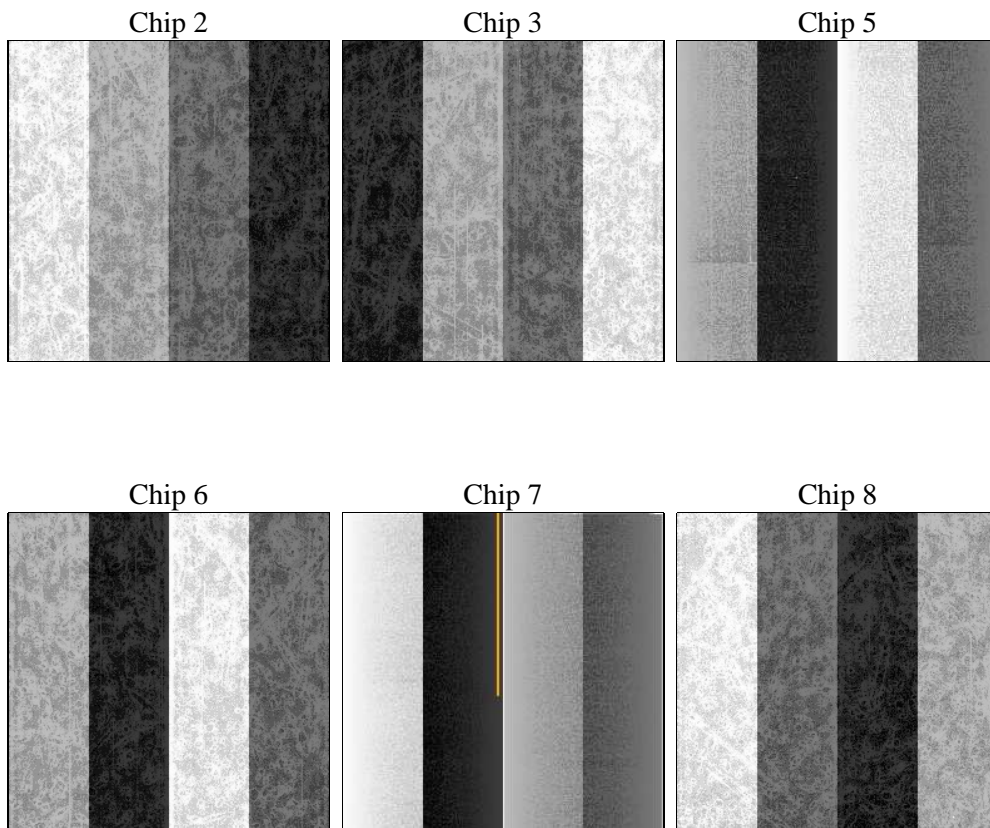
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7039.6932098866	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	7039.7342498899	Sum of GTIs [s]
date	2012-06-18T18:57:29	Date and time of file creation	ontime3	7039.5700898767	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	7039.6521698833	Sum of GTIs [s]
			ontime6	7039.61112988	Sum of GTIs [s]
			ontime7	7039.6932098866	Sum of GTIs [s]
			ontime8	7039.5290498734	Sum of GTIs [s]
			l1events	377162	Number of level 1 events

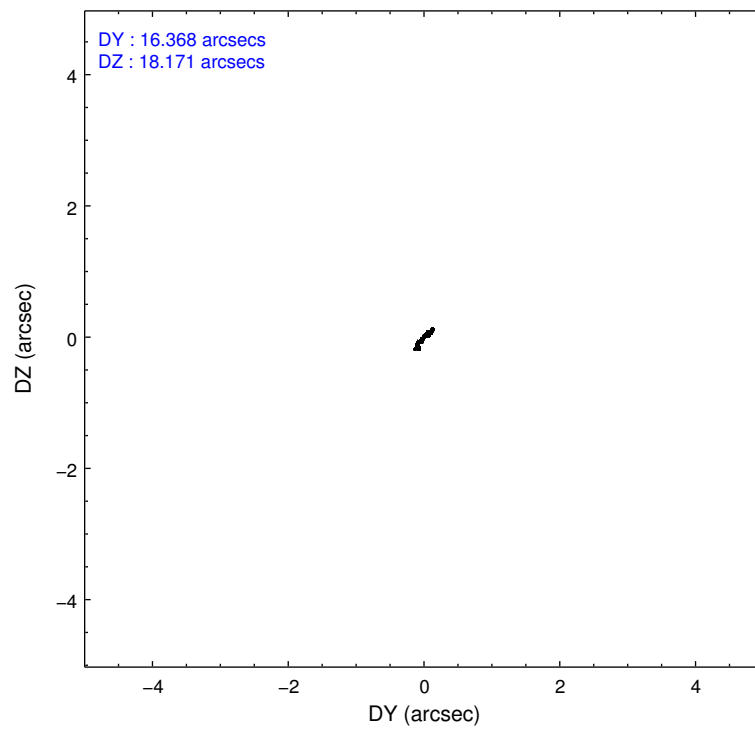
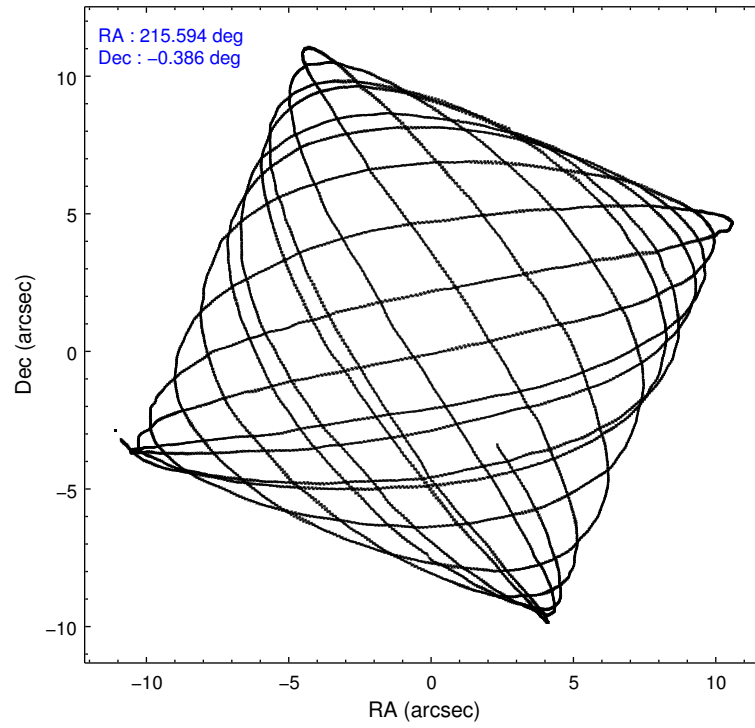
2.1.4 Events

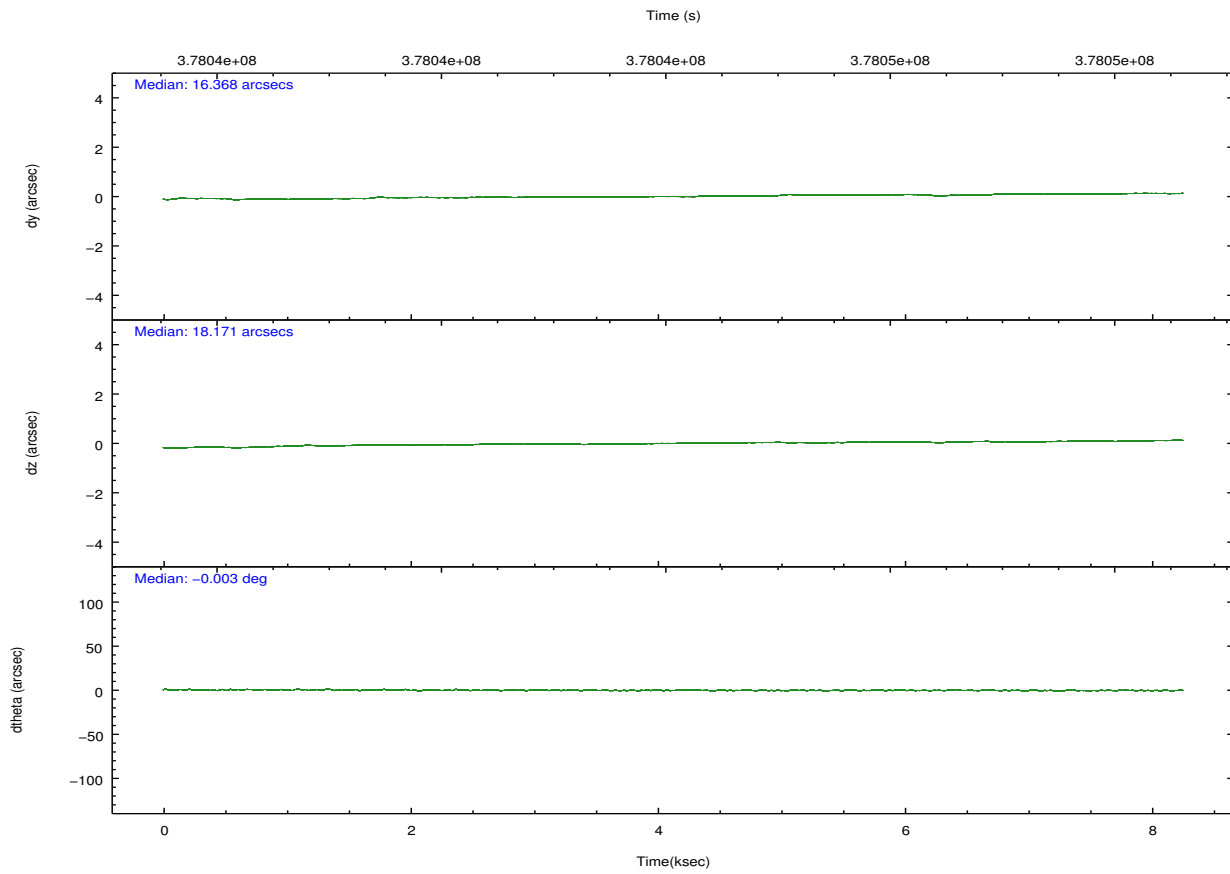
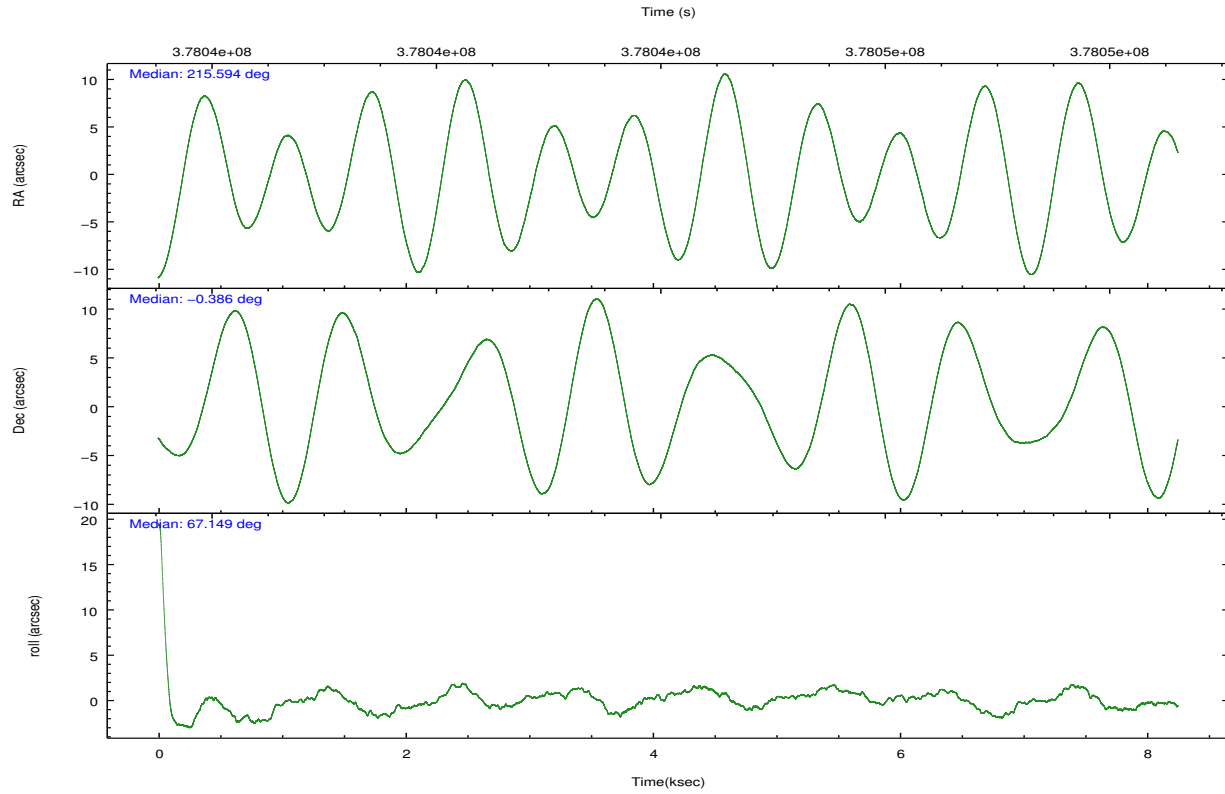
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	61098	55052	75416	57204	56497	71895	grade 0 events	2138	1987	4968	2185	2772	5282
rejected events	55352	49678	35250	51199	28689	52678		3%	3%	6%	3%	4%	7%
rejected %	90%	90%	46%	89%	50%	73%	grade 1 events	31	29	201	32	107	76
								0%	0%	0%	0%	0%	0%
							grade 2 events	1397	1187	12202	1317	5857	4521
								2%	2%	16%	2%	10%	6%
							grade 3 events	582	590	1633	668	2613	2183
								0%	1%	2%	1%	4%	3%
							grade 4 events	593	582	1593	627	2512	2017
								0%	1%	2%	1%	4%	2%
							grade 5 events	1748	1948	5924	1902	5896	2944
								2%	3%	7%	3%	10%	4%
							grade 6 events	1050	1035	19799	1212	14075	5227
								1%	1%	26%	2%	24%	7%
							grade 7 events	53559	47694	29096	49261	22665	49645
								87%	86%	38%	86%	40%	69%

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	215.597614	215.5938436493823	CCD I2 on	O2	Y
[deg] Pointing Dec	-0.412377	-0.3853553918346482	CCD I3 on	O3	Y
[deg] Pointing Roll	67.000023	67.1566214906421	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	378041181.184000	378039639.46626	CCD S5 on	N	N
Observation start date	2009-12-24T11:25:15	2009-12-24T11:00:39	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	378048181.184000	378049159.66674	On-chip summing requested	N	N
Observation end date	2009-12-24T13:21:55	2009-12-24T13:39:19	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



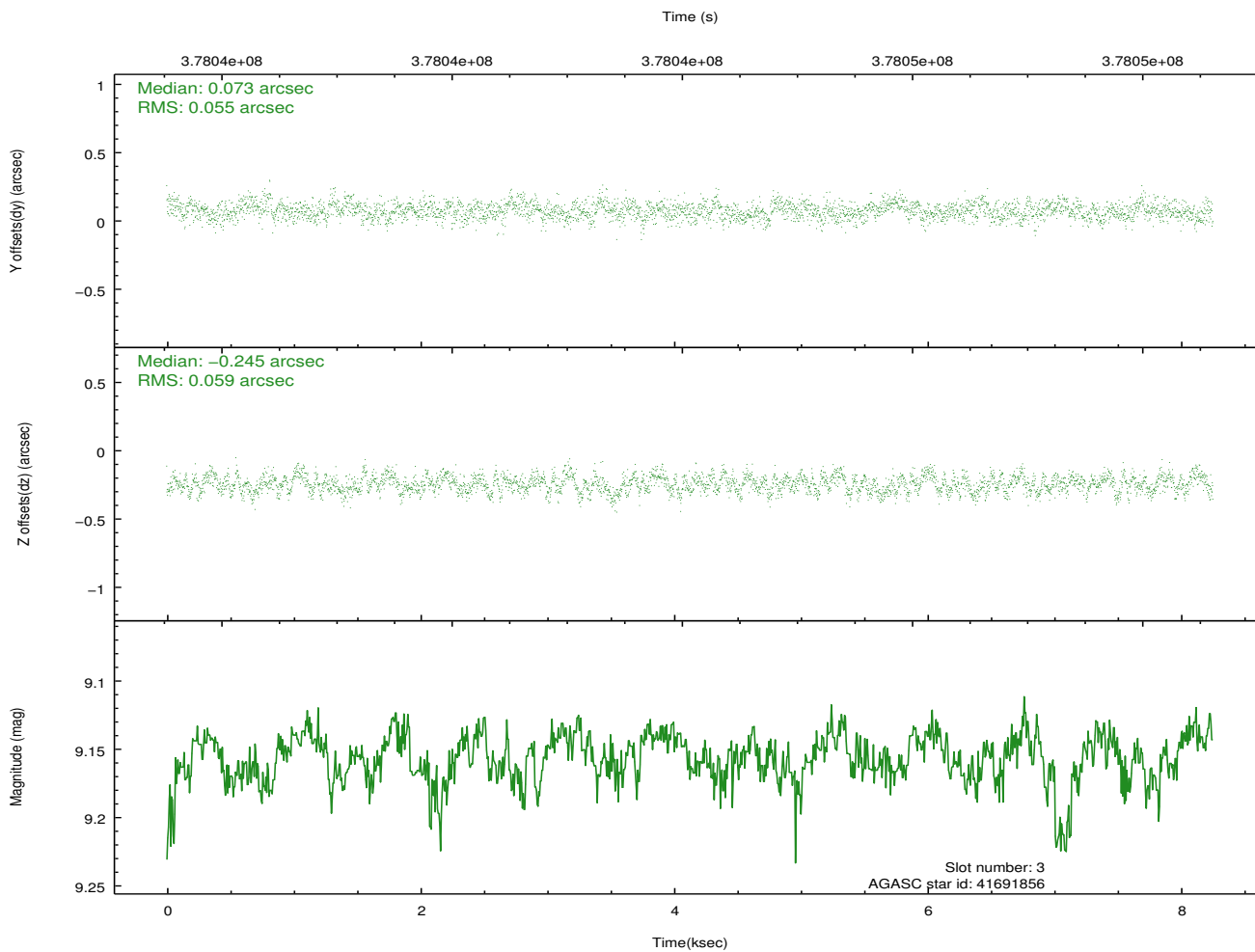
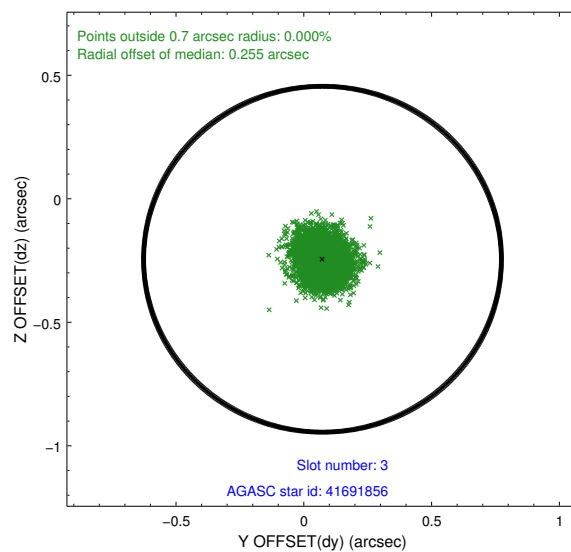
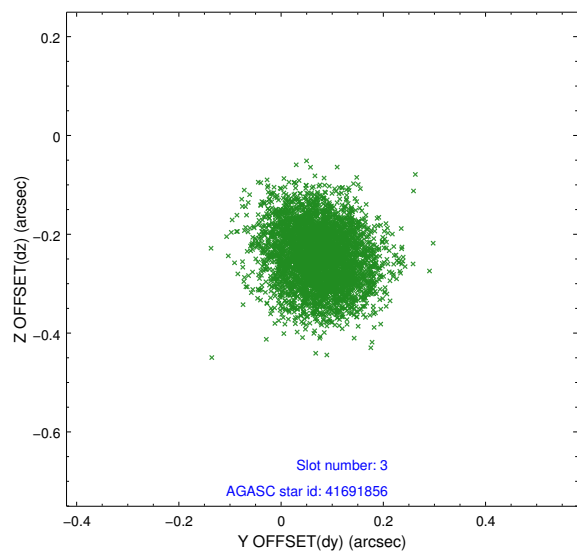


Slot Statistics

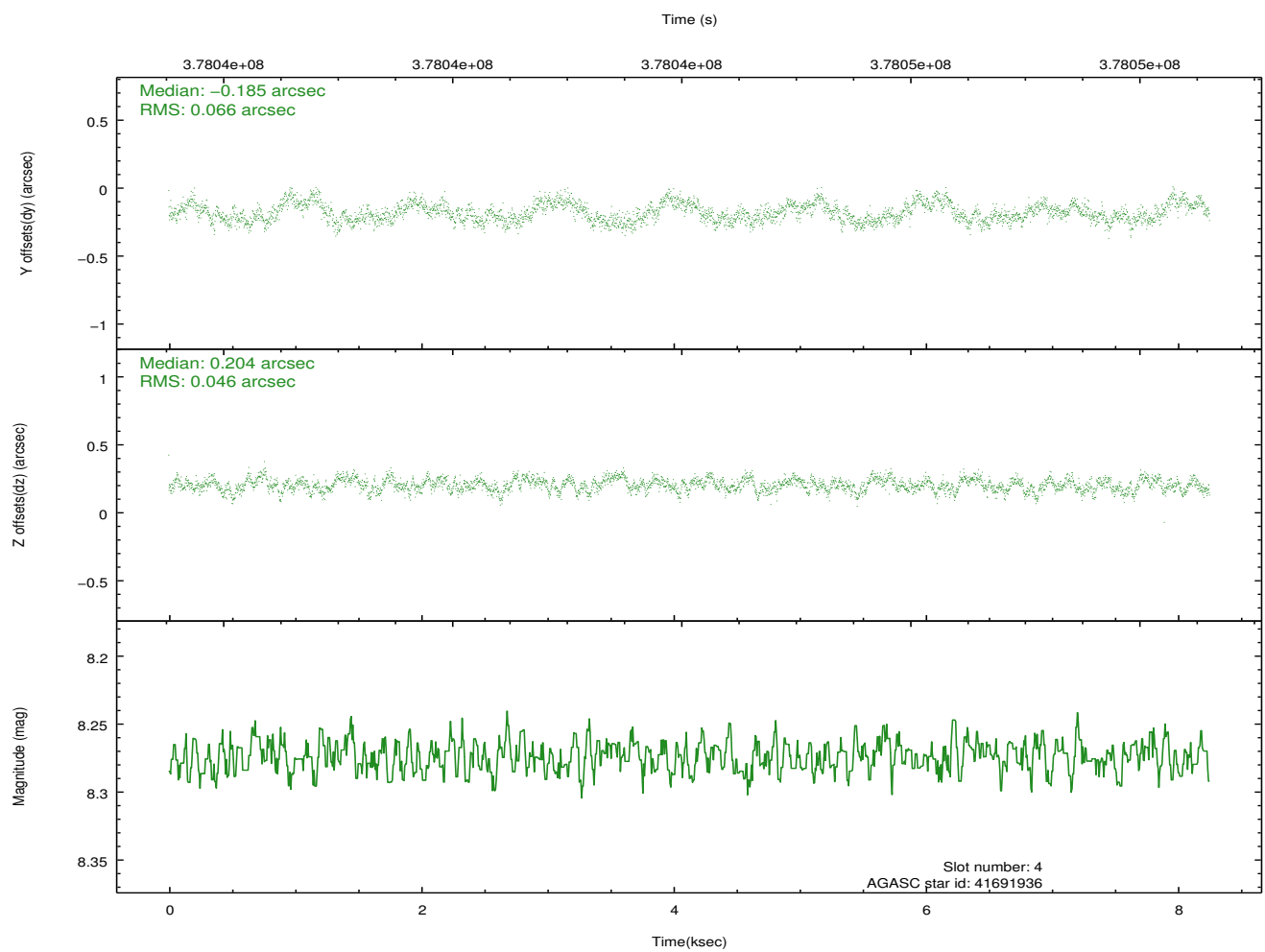
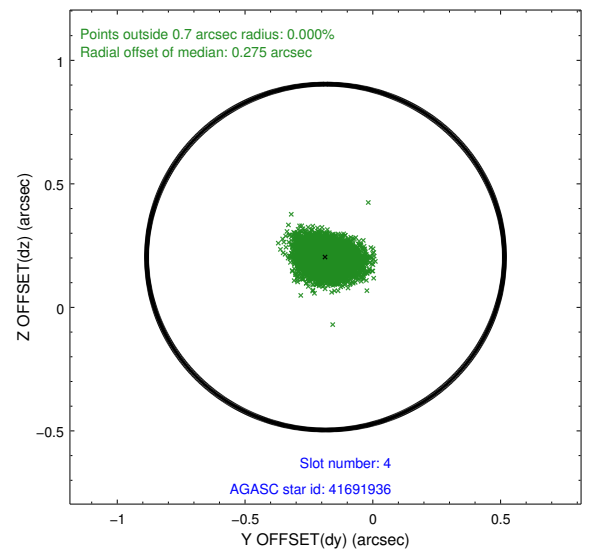
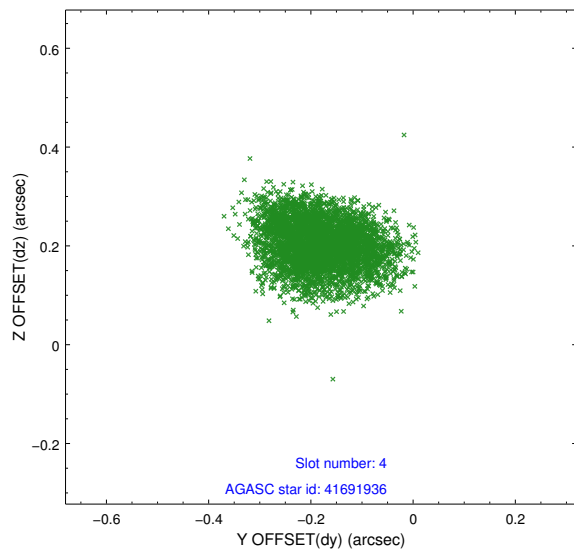
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.85	2013	-0.055	-0.023	0.007	0.012	0.000000	0.000000	-769.48	-1739.58
1	FID	ACIS-S-4	6.94	2013	0.118	0.033	0.005	0.010	0.000000	0.000000	2143.70	168.19
2	FID	ACIS-S-5	6.98	2013	-0.094	-0.001	0.006	0.011	0.000000	0.000000	-1821.45	162.68
3	GUIDE	41691856	9.16	4020	0.073	-0.245	0.087	0.137	215.891253	0.047082	1936.27	-326.70
4	GUIDE	41691936	8.27	4026	-0.185	0.204	0.086	0.137	216.148650	0.032783	2251.29	-1199.43
5	GUIDE	41692272	9.35	4022	-0.071	-0.191	0.121	0.183	215.159560	0.227305	1504.37	2351.28
6	GUIDE	652346752	7.18	4027	0.225	0.035	0.084	0.130	215.693292	-0.637133	-609.34	-632.08
7	GUIDE	652356576	9.11	3997	-0.050	0.199	0.099	0.157	216.191107	-0.211633	1500.50	-1684.07

2.4 Star Slots

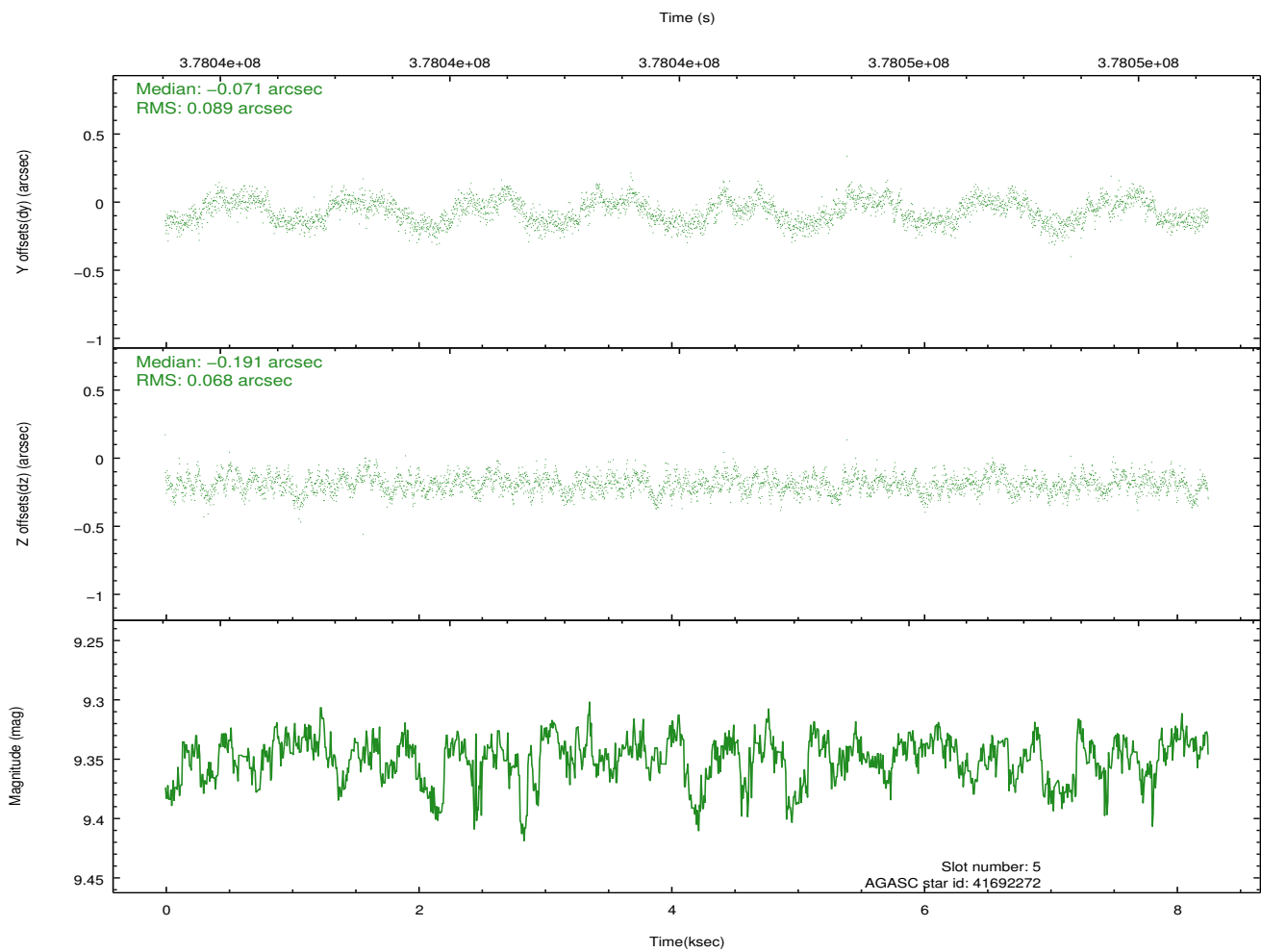
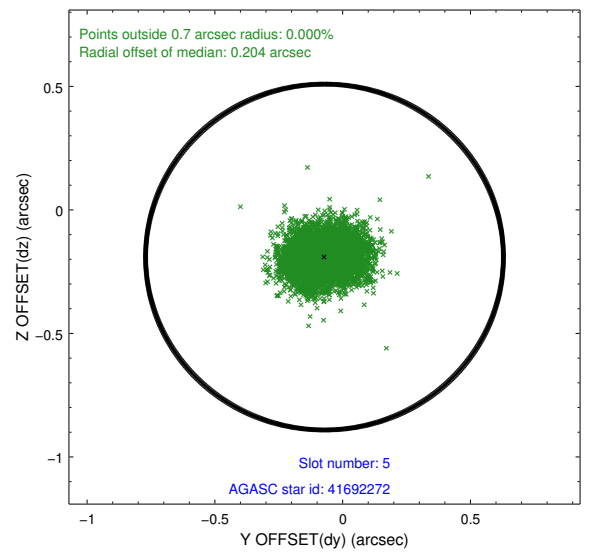
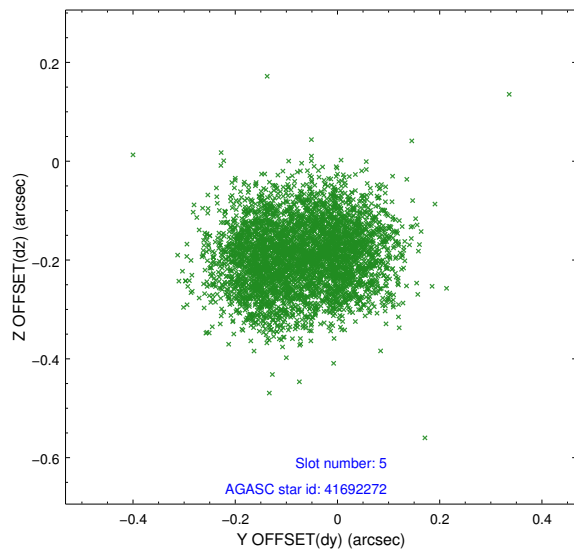
2.4.1 Slot 3



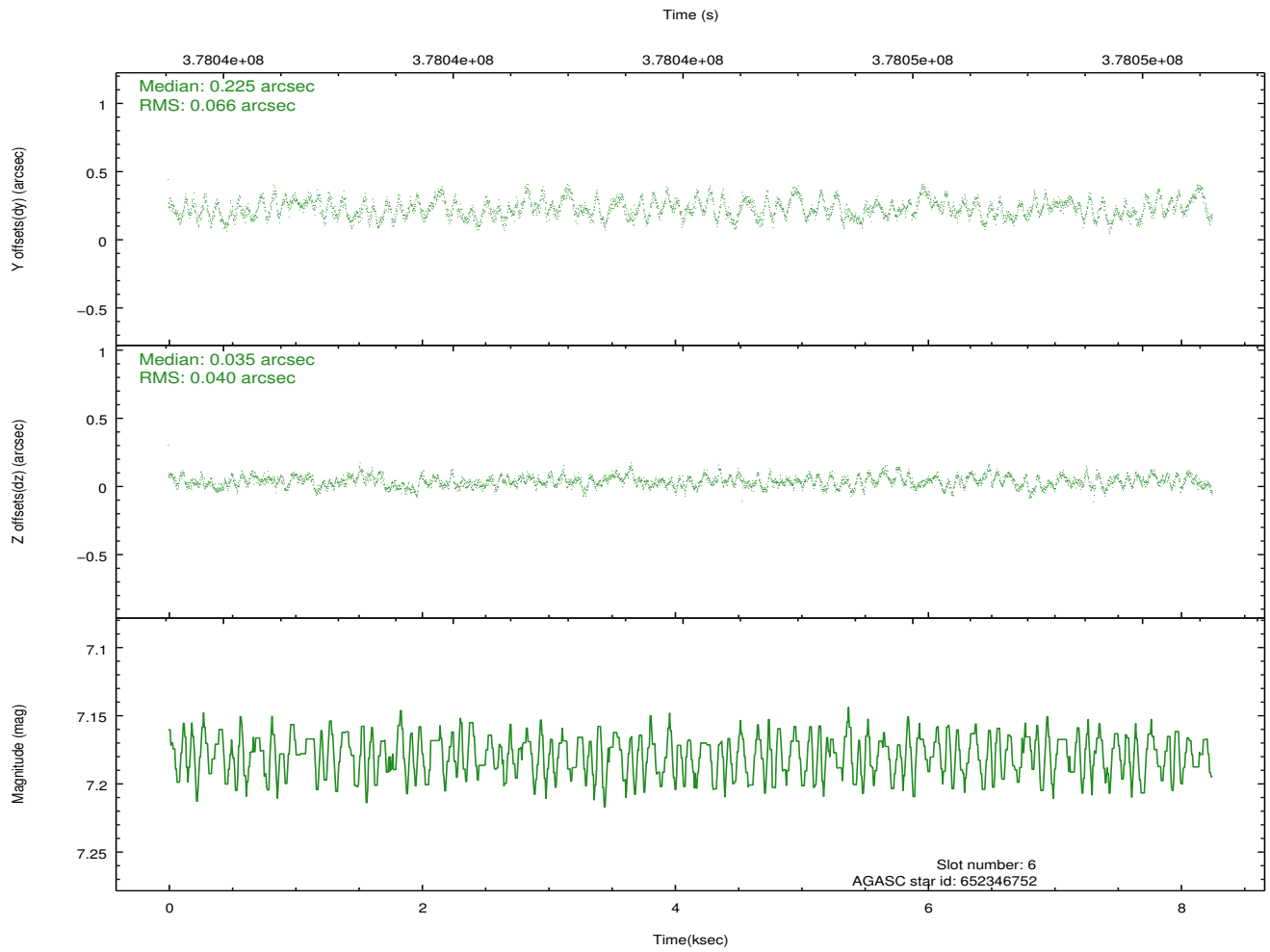
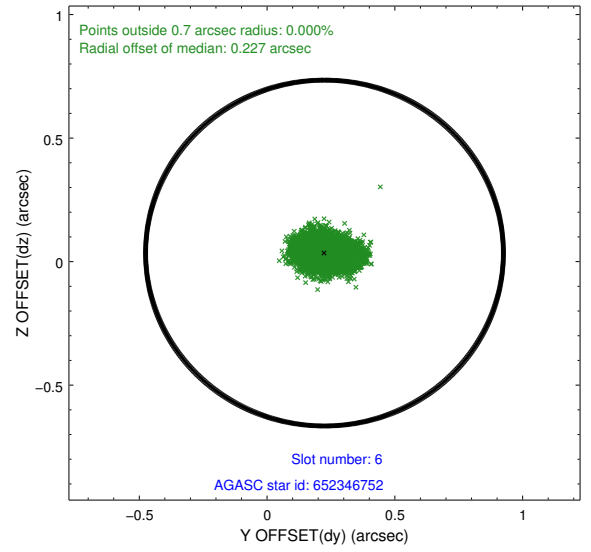
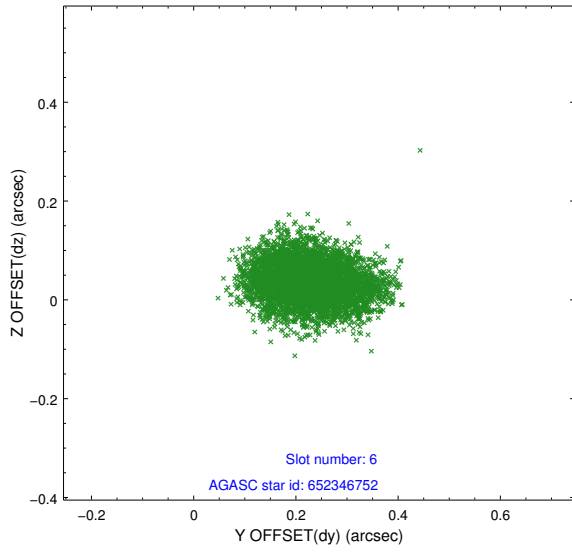
2.4.2 Slot 4



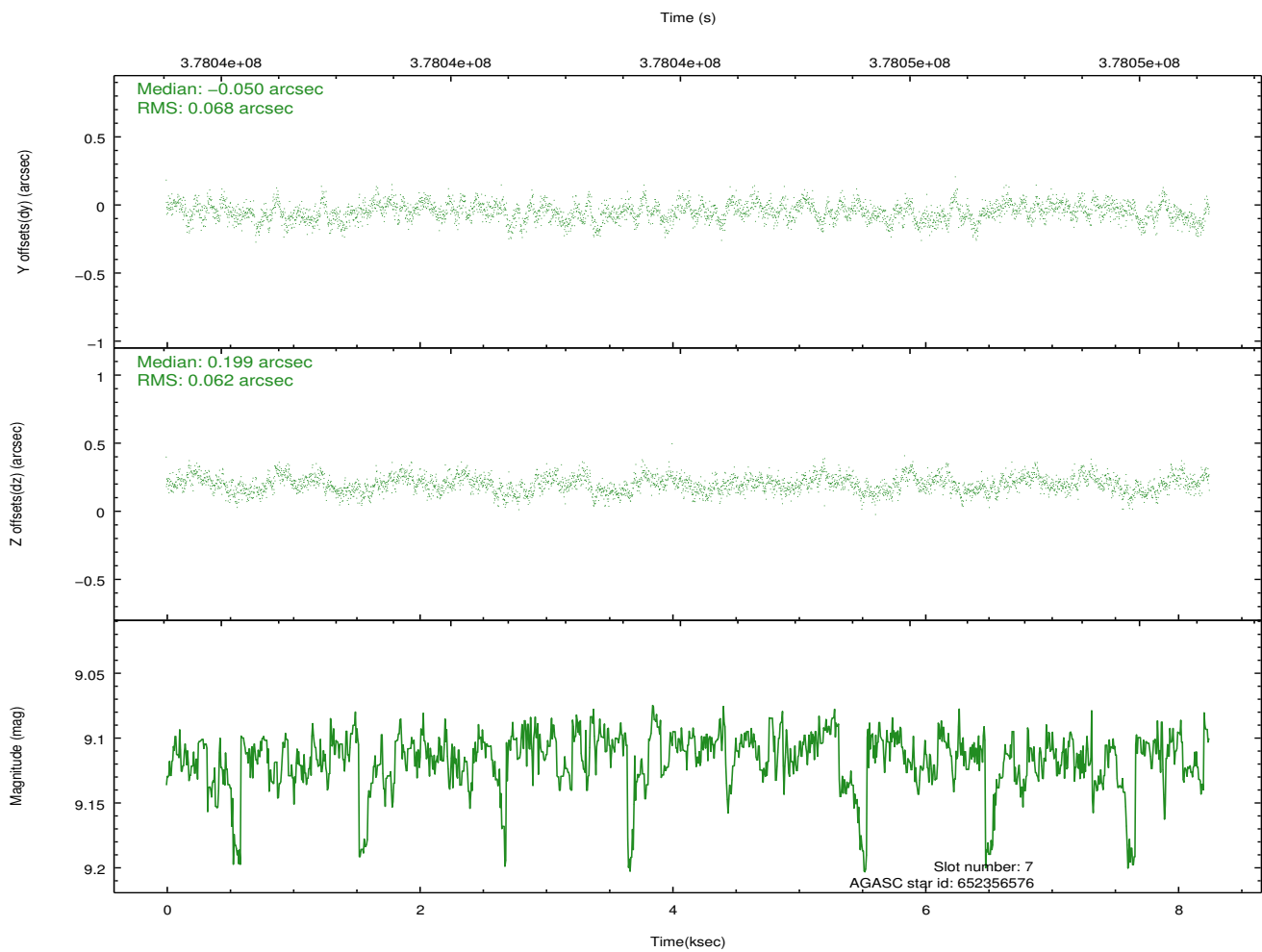
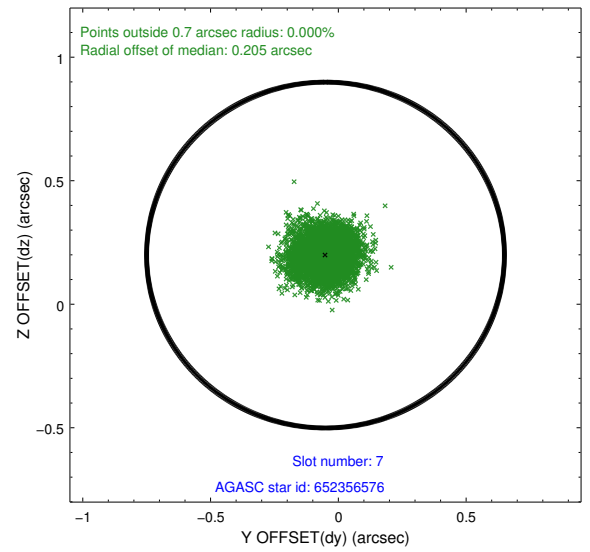
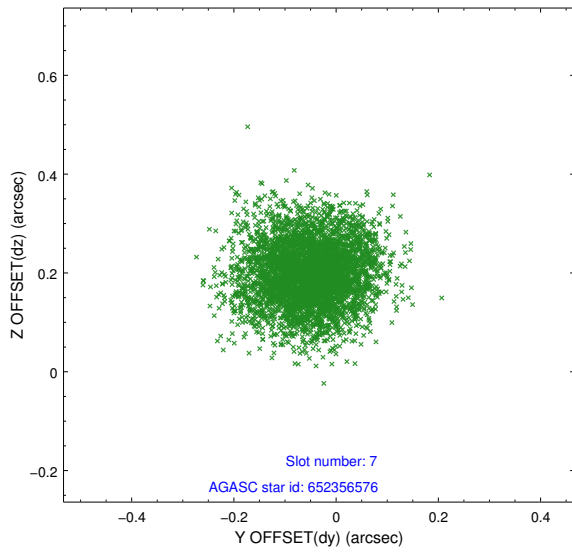
2.4.3 Slot 5



2.4.4 Slot 6

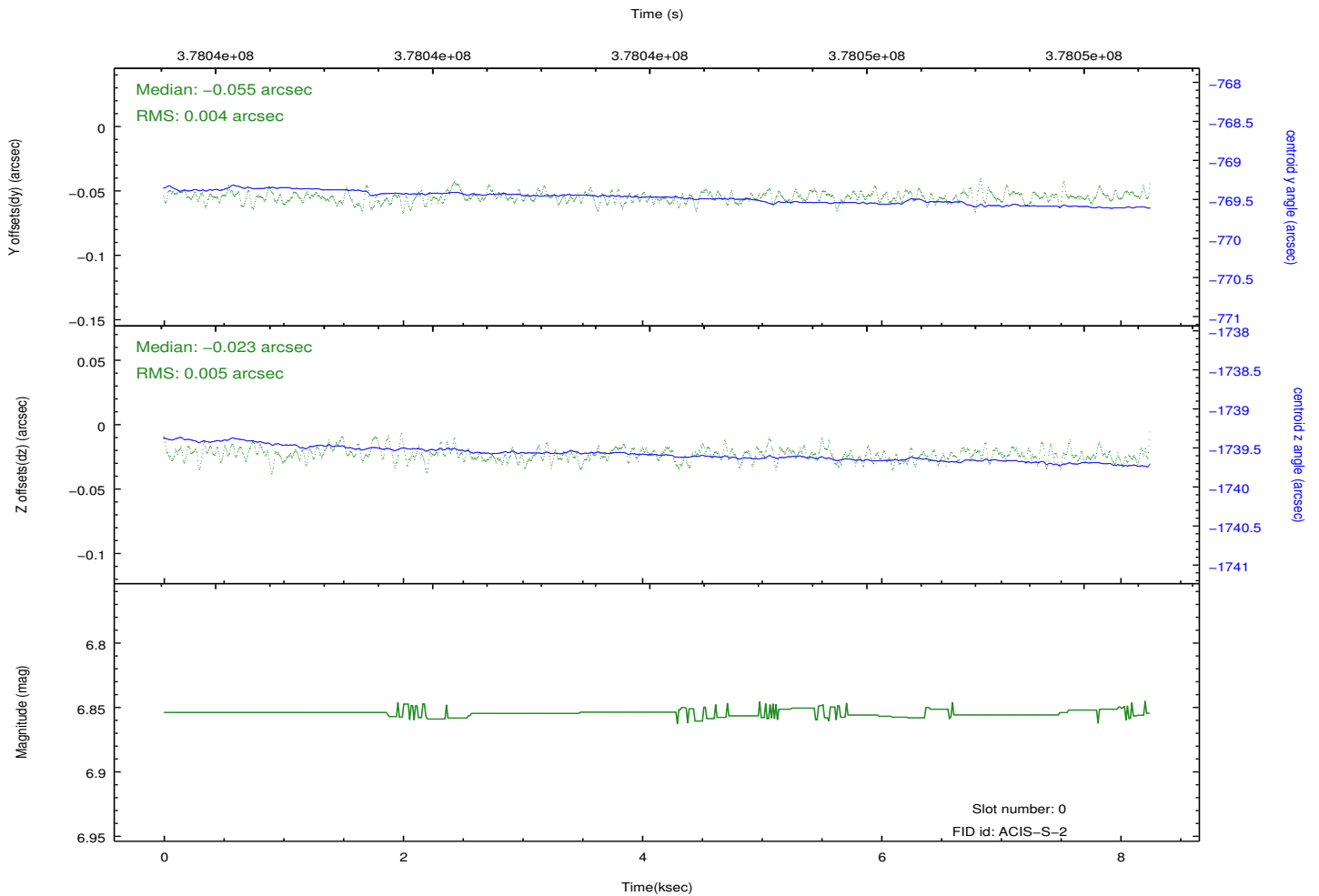
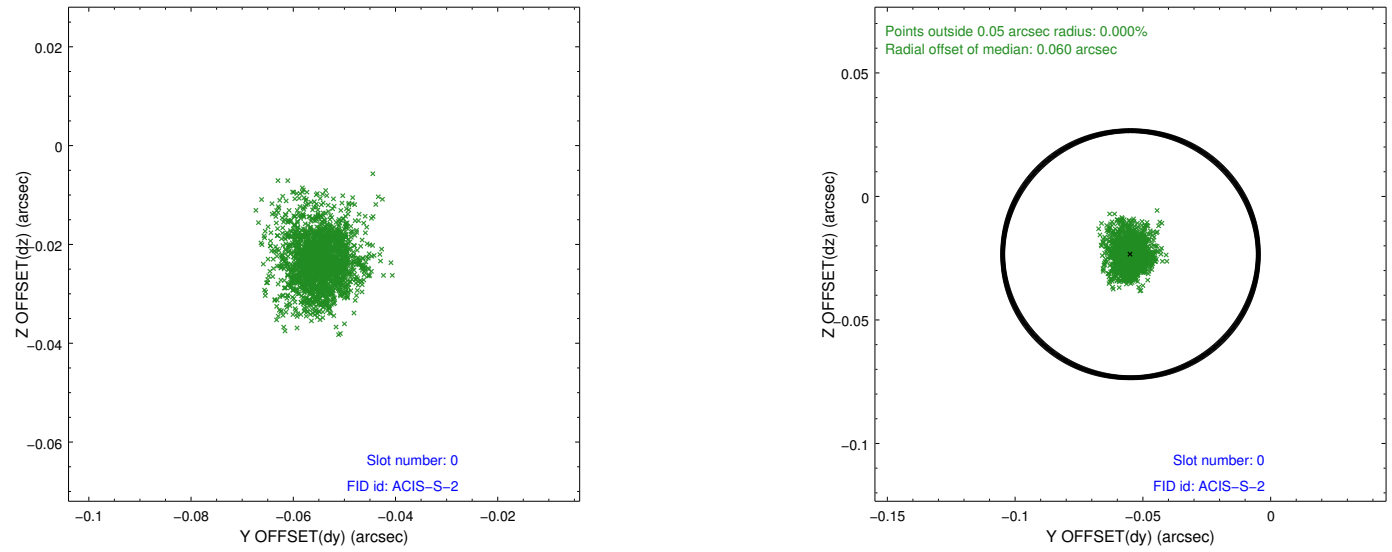


2.4.5 Slot 7

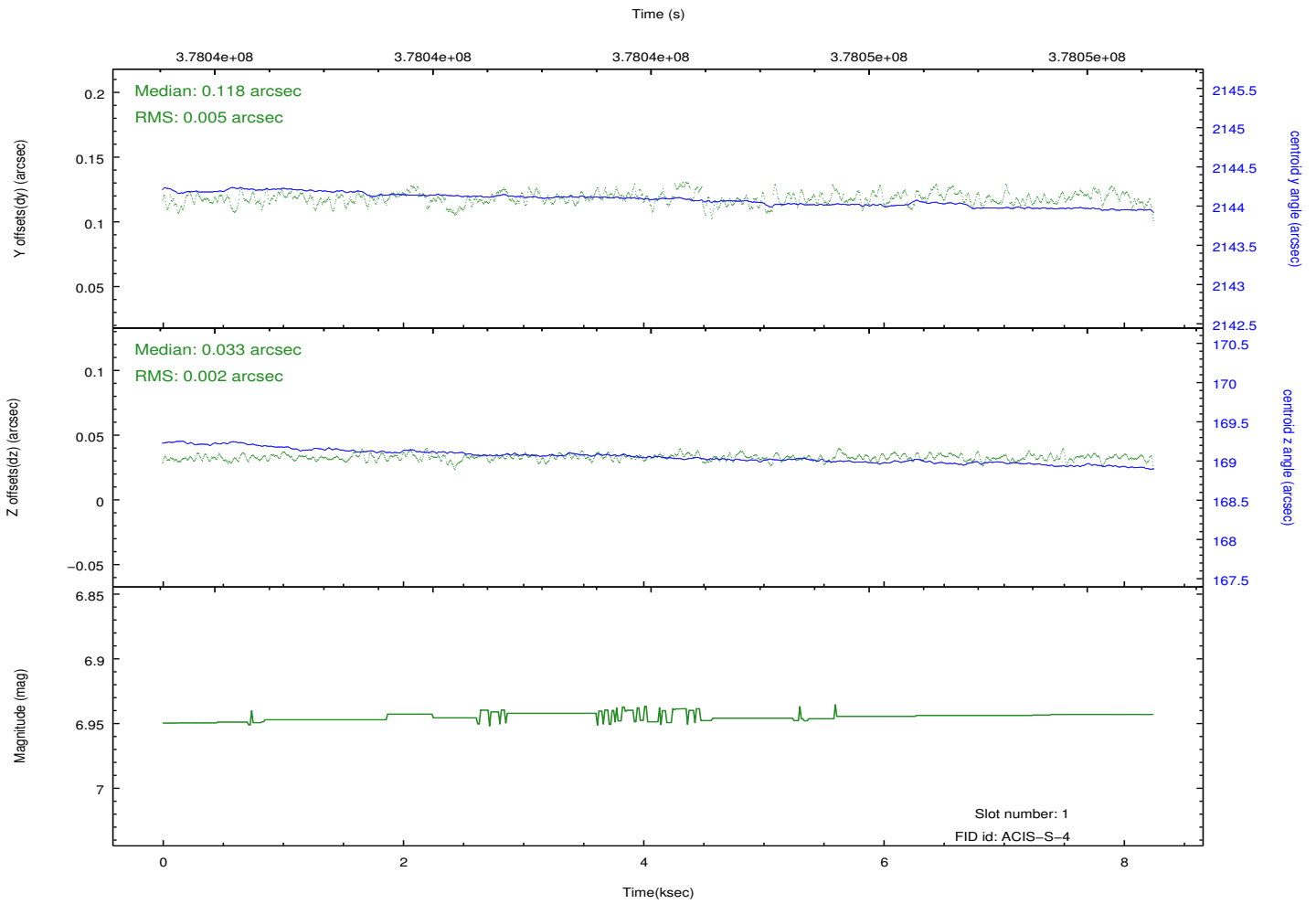
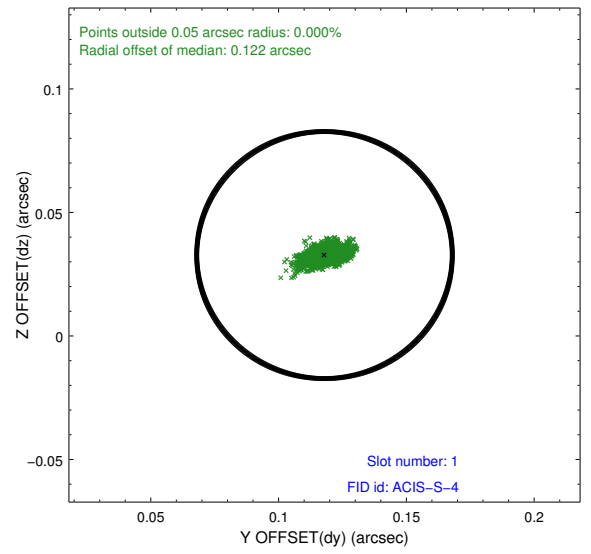
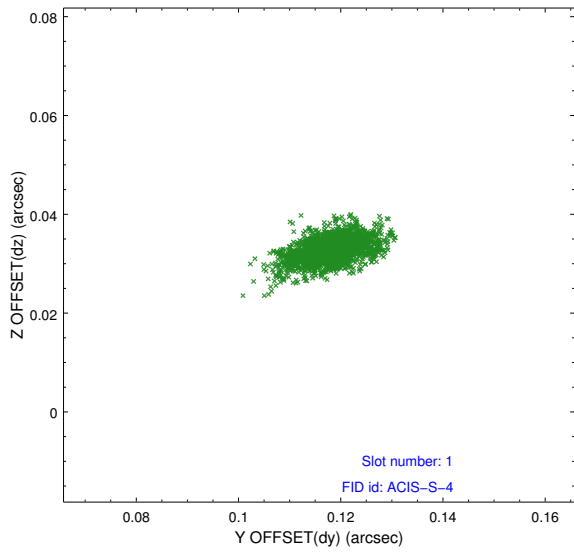


2.5 FID Slots

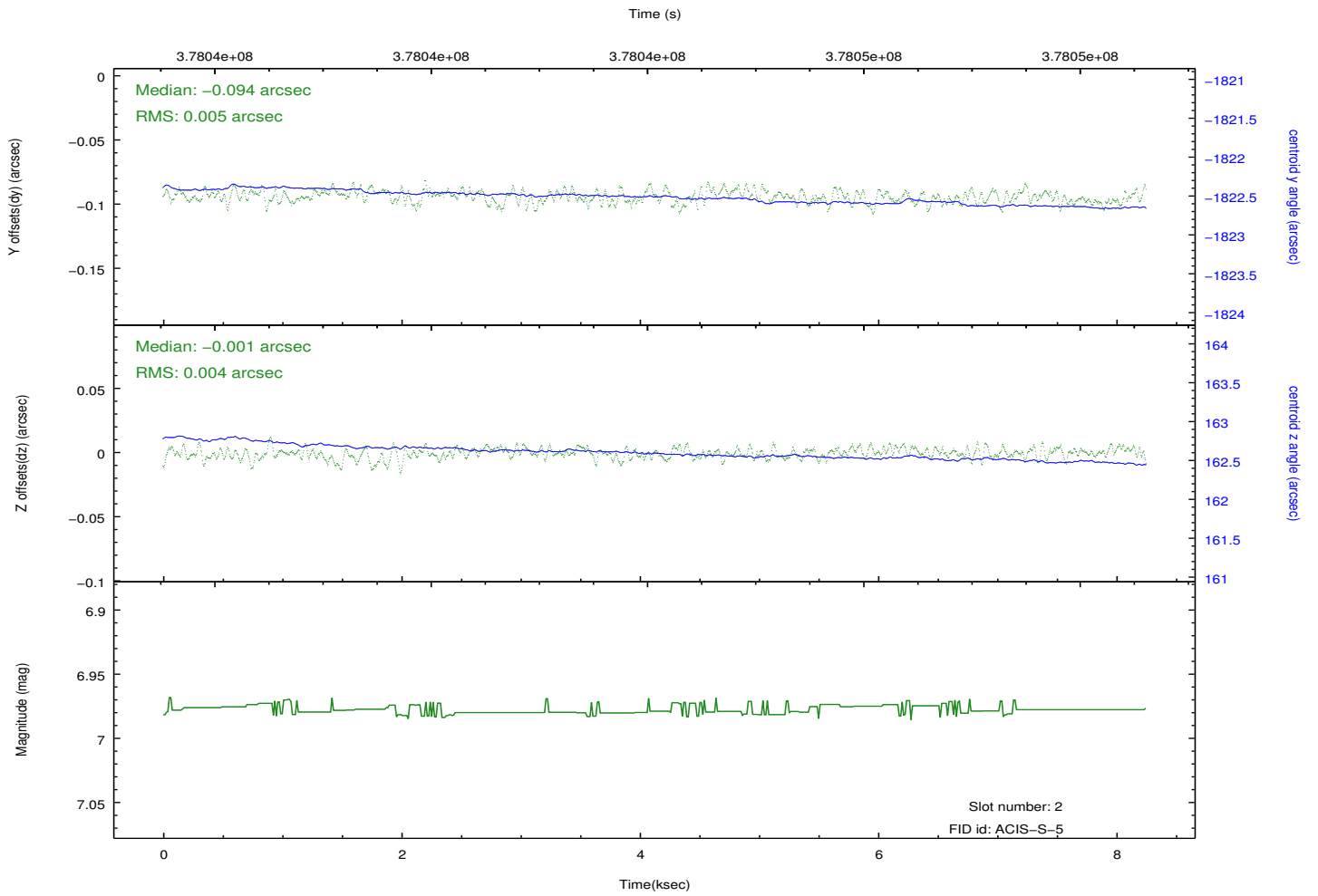
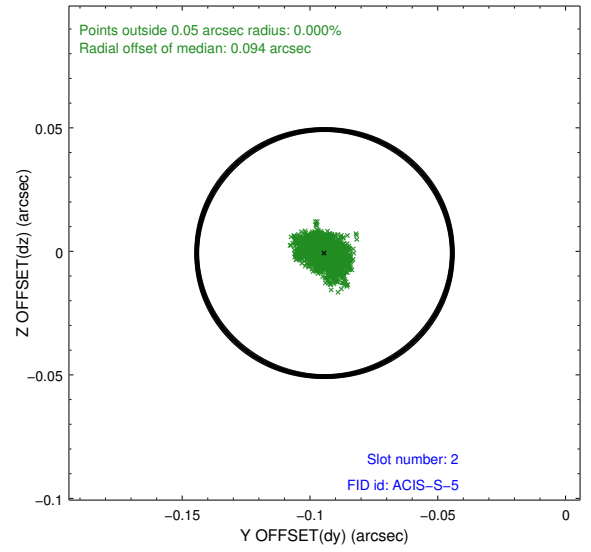
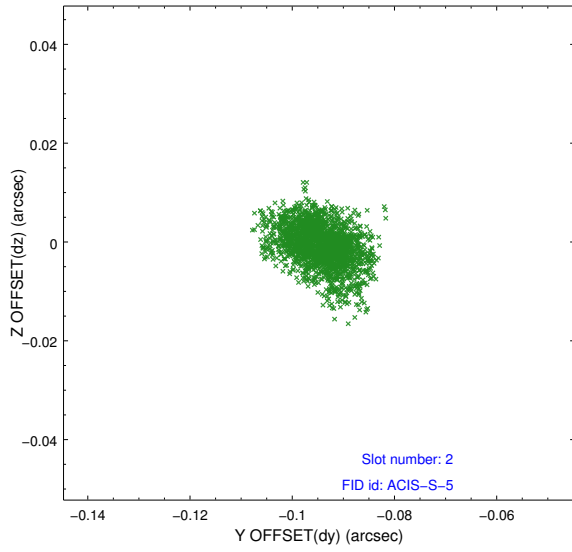
2.5.1 Slot 0



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)	2012.06.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.0396932153702

A.2 Comments