

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11391 - L2 Version 2
Chandra X-Ray Center

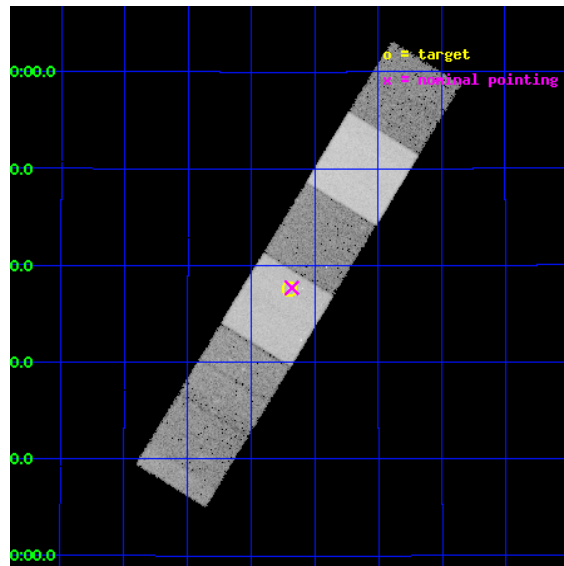
L2 Processing Date : Jun 22 2012

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1 Front

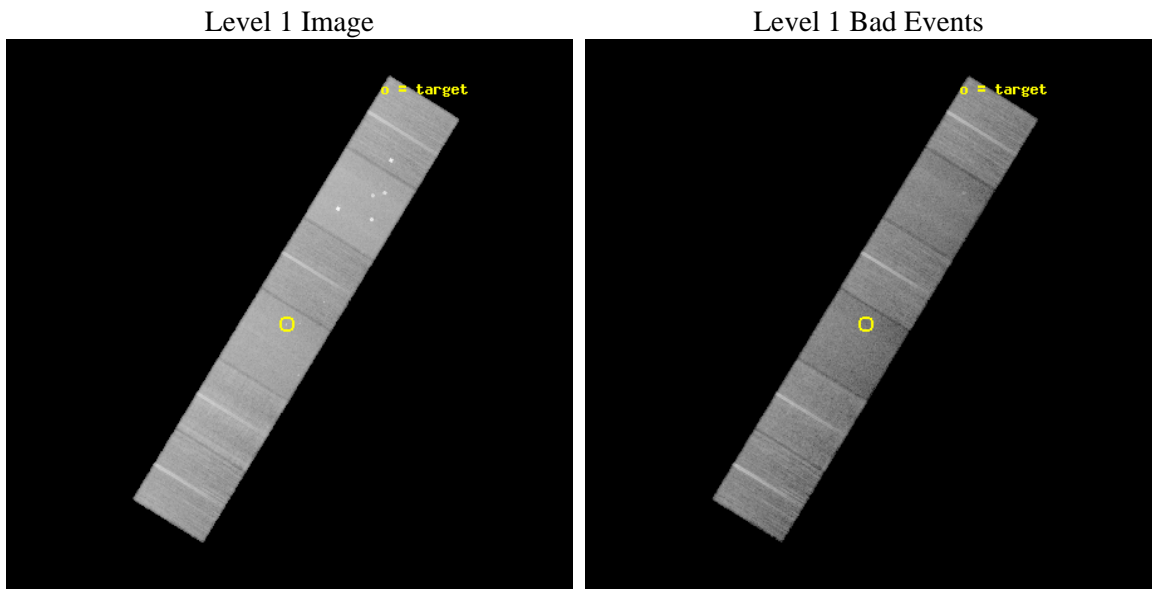
seq_num	701977	Sequence number
obs_id	11391	Observation id
title	Resolving the NLR/ENLR Shocks in the Radio Galaxy Coma A	Proposal
observer	Dr Daniel Evans	Principal investigator
object	Coma A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	193.55	Observer's specified target RA [deg]
dec_targ	27.626083	Observer's specified target Dec [deg]
ra_nom	193.54509646502	Nominal RA [deg]
dec_nom	27.628272504213	Nominal Dec [deg]
roll_nom	121.46520687756	Nominal Roll [deg]
revision	2	Processing version of data
ontime	25119.99990648	Sum of GTIs [s]
livetime	24801.915342216	Livetime [s]
ontime4	25116.758896112	Sum of GTIs [s]
ontime5	25119.99990648	Sum of GTIs [s]
ontime6	25116.758866191	Sum of GTIs [s]
ontime7	25119.99990648	Sum of GTIs [s]
ontime8	25116.758886158	Sum of GTIs [s]
ontime9	25110.27680558	Sum of GTIs [s]
l2events	331439	Number of level 2 events



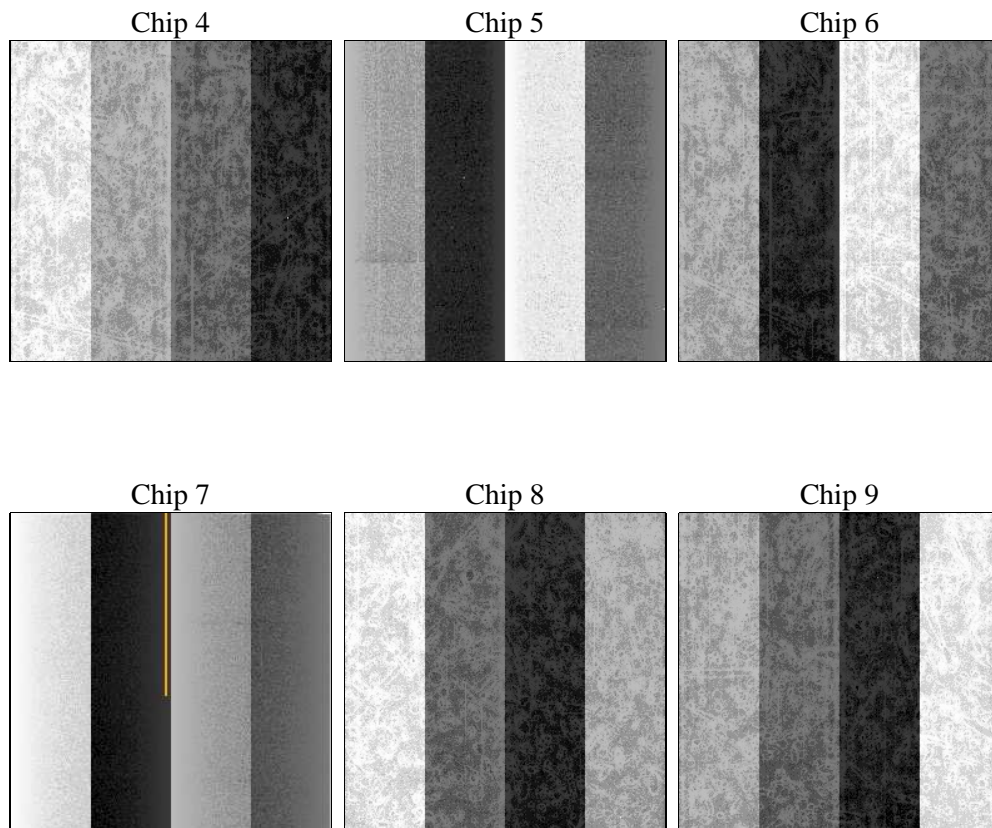
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25074.640000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	25119.99990648	Sum of GTIs [s]
caldbver	4.4.10	 	ontime4	25116.758896112	Sum of GTIs [s]
date	2012-06-22T04:53:13	Date and time of file creation	ontime5	25119.99990648	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	25116.758866191	Sum of GTIs [s]
			ontime7	25119.99990648	Sum of GTIs [s]
			ontime8	25116.758886158	Sum of GTIs [s]
			ontime9	25110.27680558	Sum of GTIs [s]
			l1events	1471654	Number of level 1 events

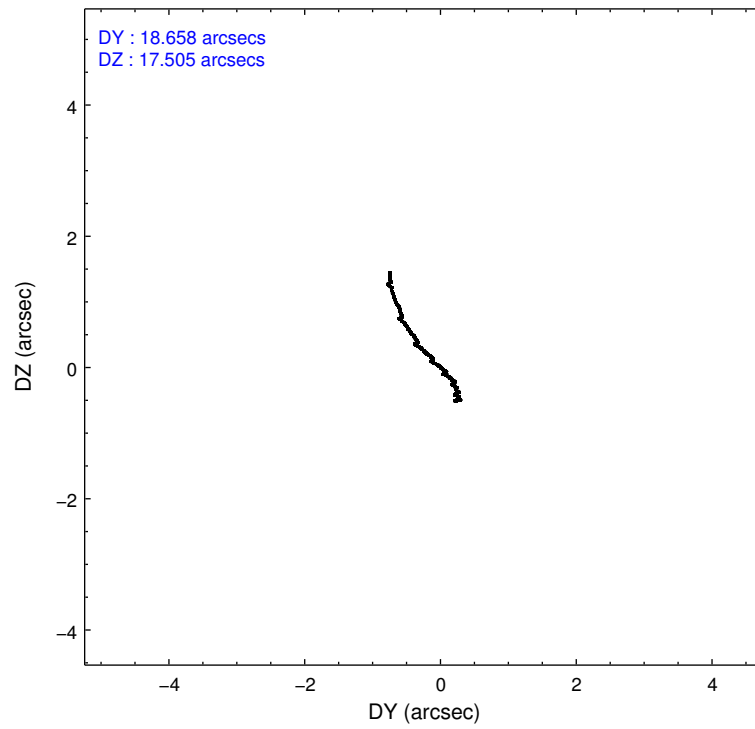
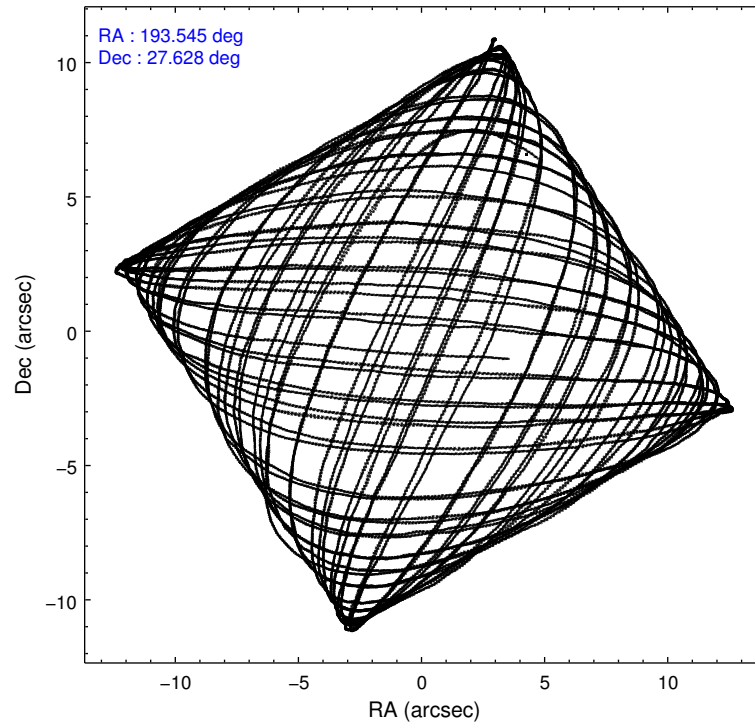
2.1.4 Events

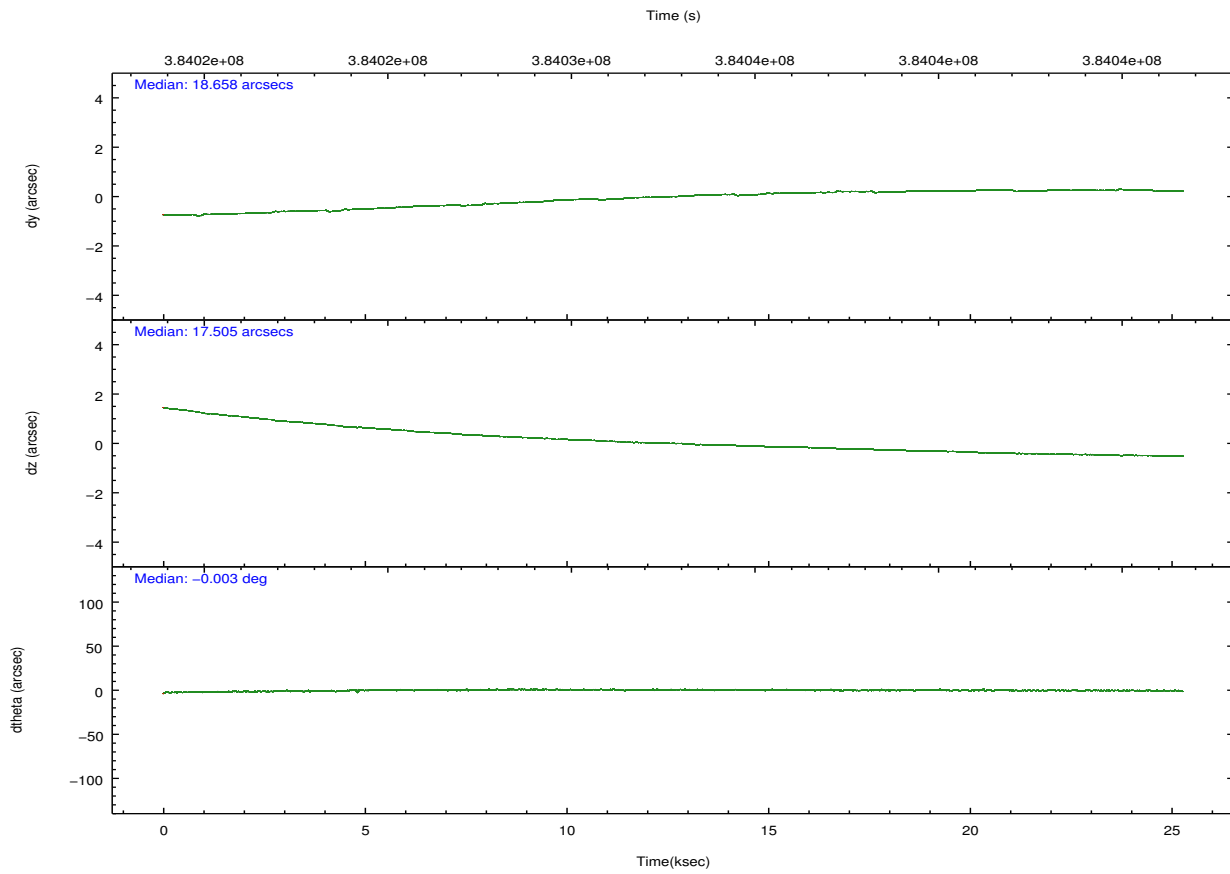
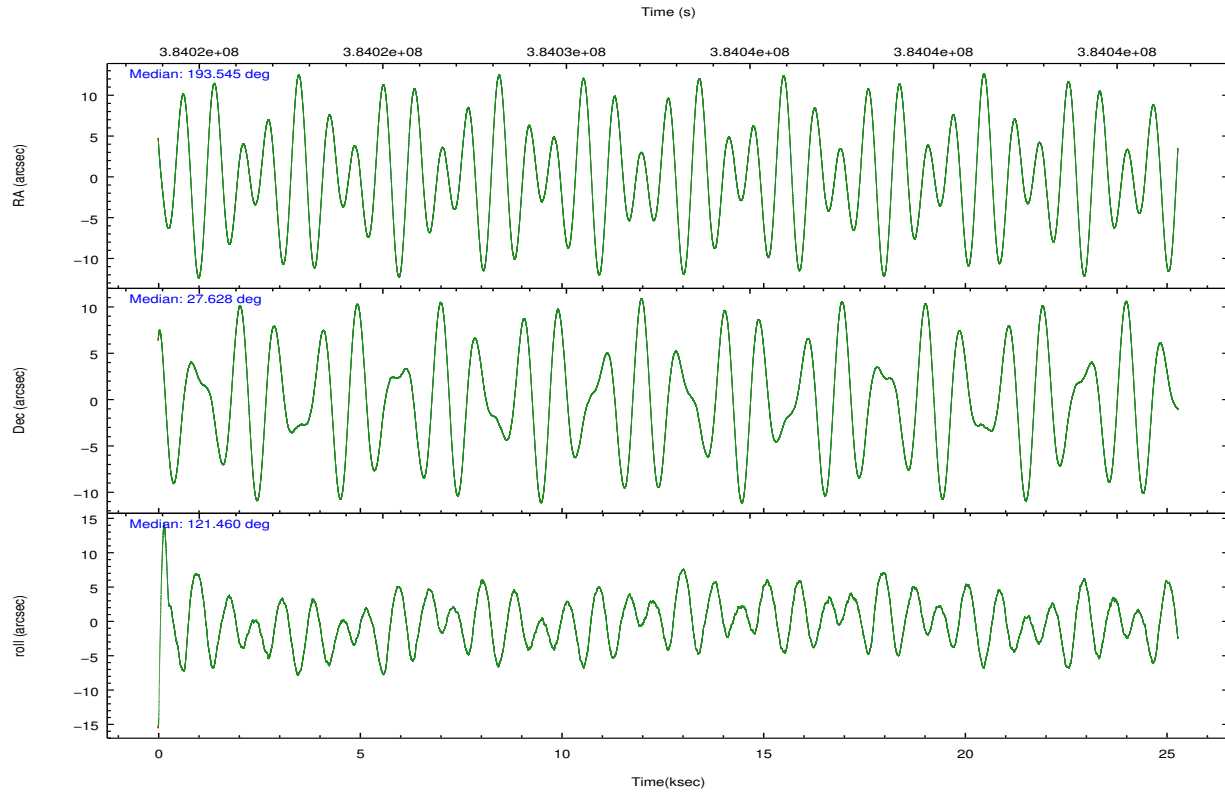
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	238032	312396	209620	244504	261555	205547	grade 0 events	13739	23215	8300	10527	20305	9622
rejected events	209982	153070	186746	133208	194428	180802		5%	7%	3%	4%	7%	4%
rejected %	88%	48%	89%	54%	74%	87%	grade 1 events	252	593	123	320	232	147
								0%	0%	0%	0%	0%	0%
							grade 2 events	5648	46001	5061	22944	15521	5196
								2%	14%	2%	9%	5%	2%
							grade 3 events	2452	5901	2338	9959	7322	2581
								1%	1%	1%	4%	2%	1%
							grade 4 events	2316	5424	2393	9835	6956	2430
								0%	1%	1%	4%	2%	1%
							grade 5 events	8759	23014	9079	25198	12972	9714
								3%	7%	4%	10%	4%	4%
							grade 6 events	3896	78799	4785	58040	17026	4918
								1%	25%	2%	23%	6%	2%
							grade 7 events	200970	129449	177541	107681	181221	170939
								84%	41%	84%	44%	69%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	193.572425	193.5450964650178	CCD I2 on	N	N
[deg] Pointing Dec	27.615543	27.6282725042127	CCD I3 on	N	N
[deg] Pointing Roll	121.295913	121.4652068775578	CCD S0 on	O1	Y
[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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	384020323.184000	384019306.29405	CCD S5 on	O2	Y
Observation start date	2010-03-03T16:17:37	2010-03-03T16:01:46	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	384045398.184000	384045618.55788	On-chip summing requested	N	N
Observation end date	2010-03-03T23:15:32	2010-03-03T23:20:18	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



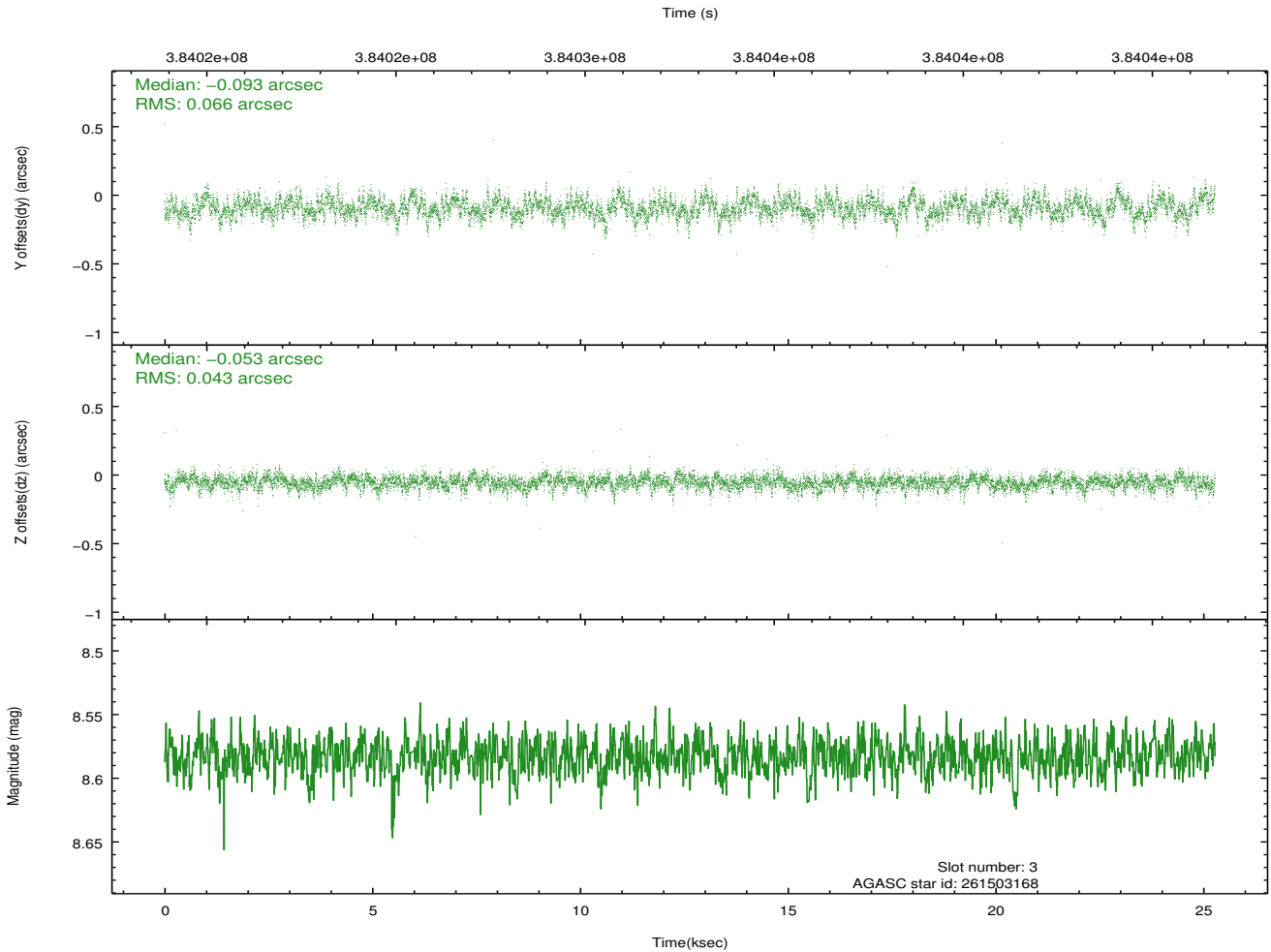
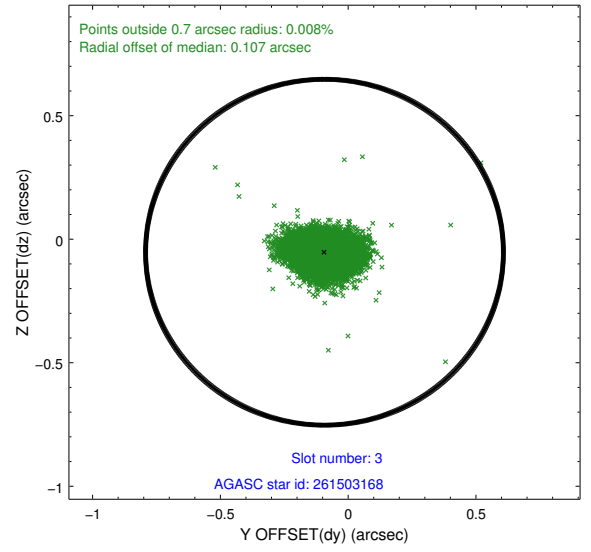
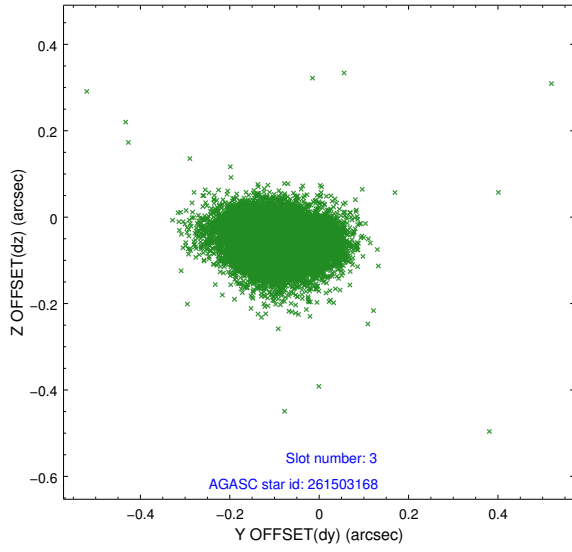


Slot Statistics

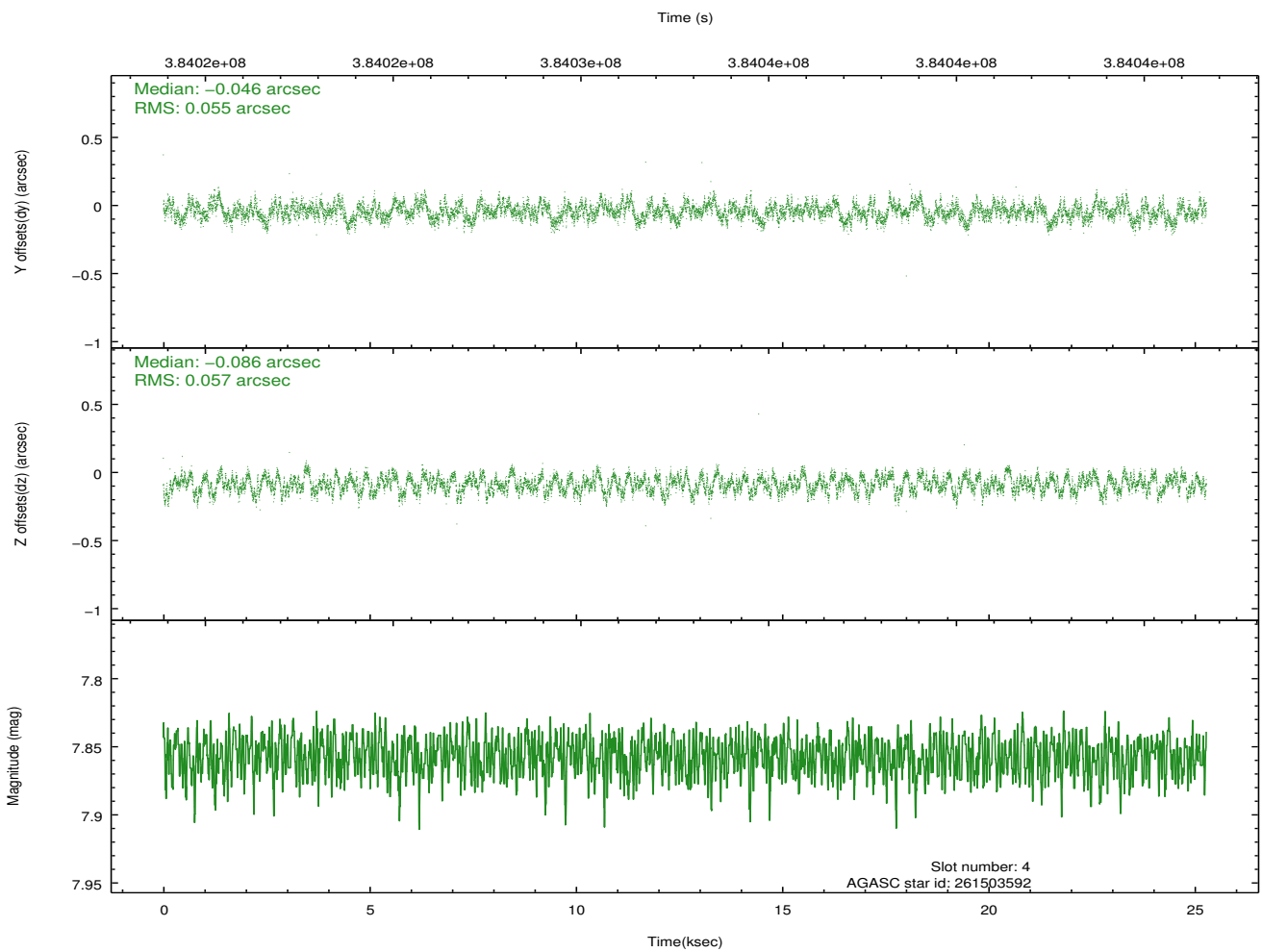
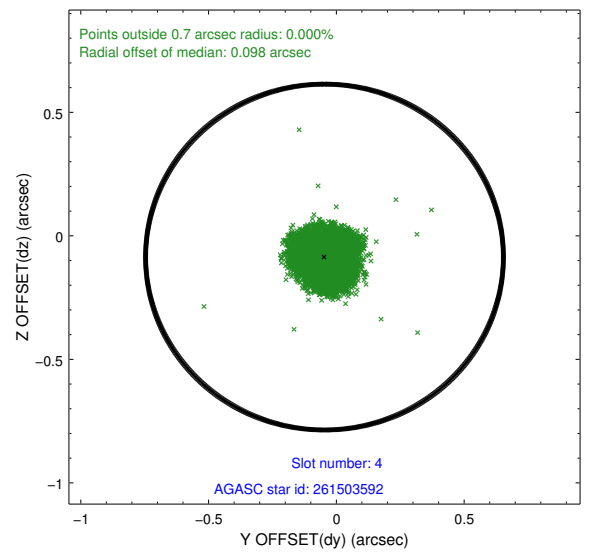
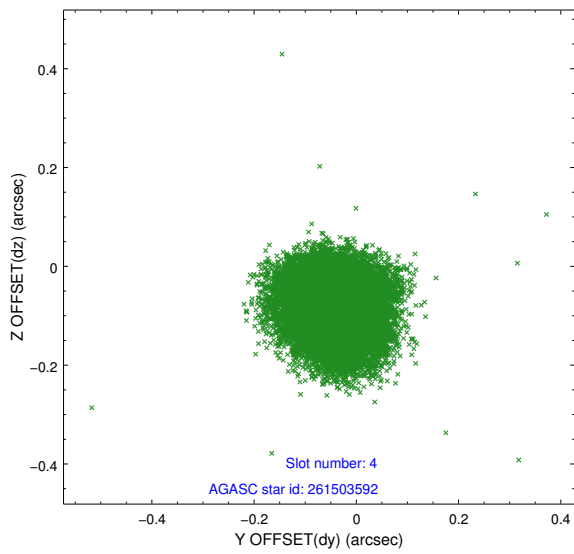
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	6166	-0.063	-0.037	0.014	0.022	0.000000	0.000000	-771.72	-1739.06
1	FID	ACIS-S-4	7.00	6167	0.204	0.042	0.008	0.016	0.000000	0.000000	2141.81	169.32
2	FID	ACIS-S-5	7.04	6167	-0.170	0.005	0.012	0.020	0.000000	0.000000	-1824.48	163.17
3	GUIDE	261503168	8.58	12325	-0.093	-0.053	0.081	0.136	193.765545	28.234101	1585.48	-1680.10
4	GUIDE	261503592	7.86	12331	-0.046	-0.086	0.086	0.129	193.784432	27.766358	113.67	-858.87
5	GUIDE	261505232	9.80	12314	0.125	0.075	0.136	0.220	194.216553	27.802521	-486.01	-2104.85
6	GUIDE	261505760	9.81	12167	-0.016	0.056	0.140	0.233	193.736841	27.992885	890.23	-1152.07
7	GUIDE	261505808	9.37	12321	0.025	0.009	0.099	0.161	193.710324	27.913269	688.85	-931.51

2.4 Star Slots

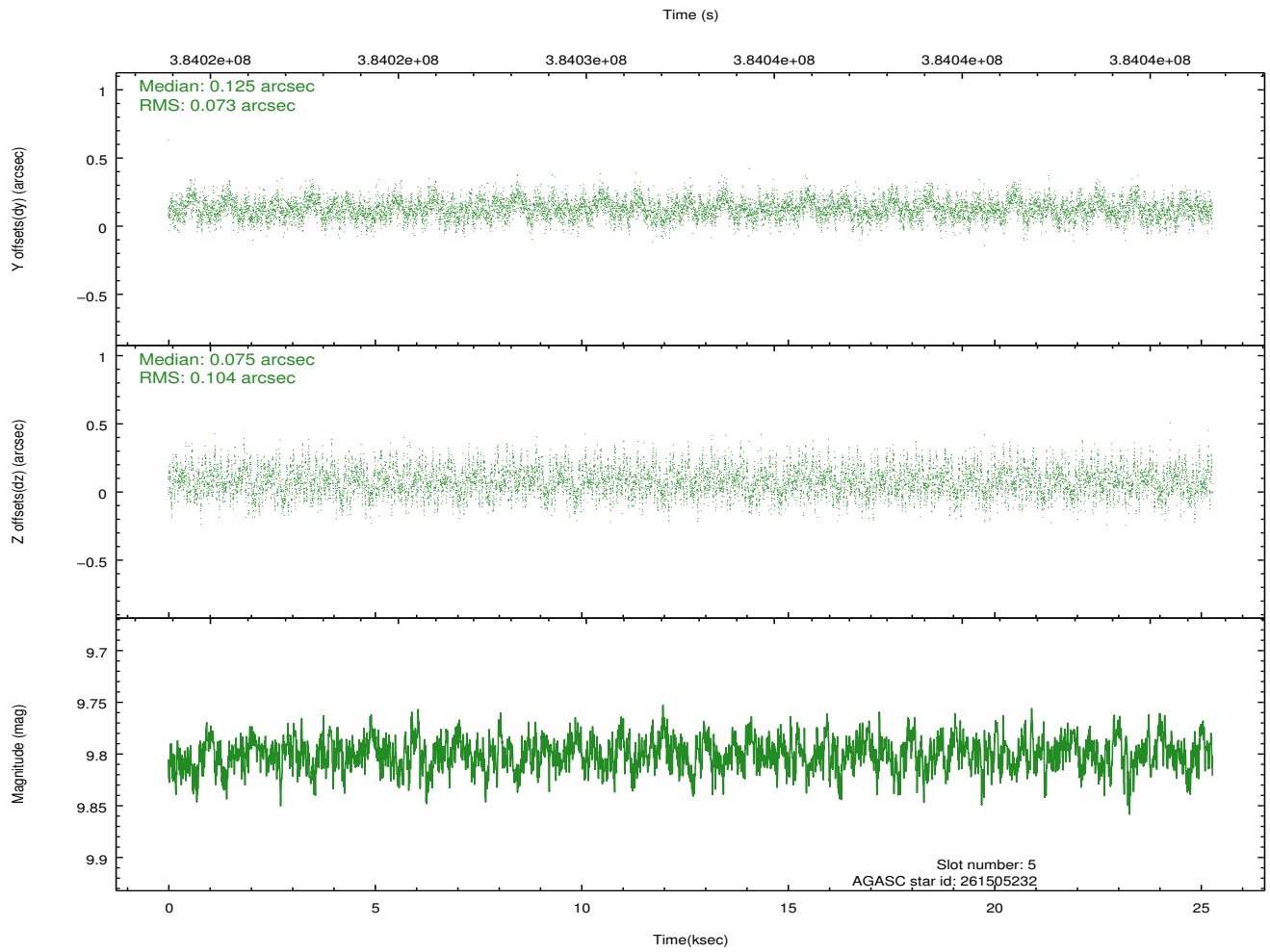
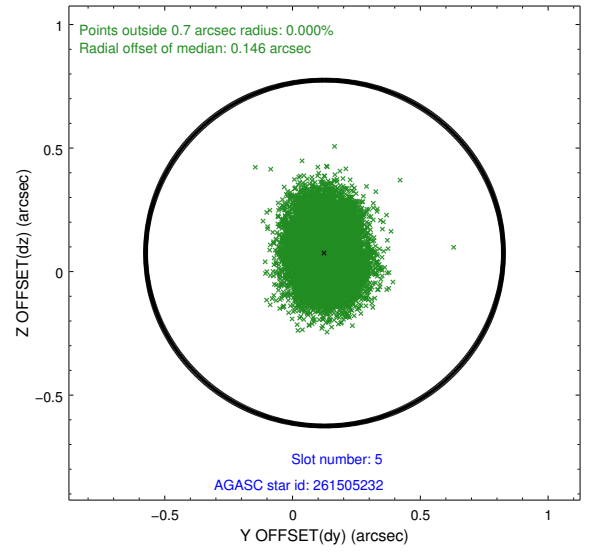
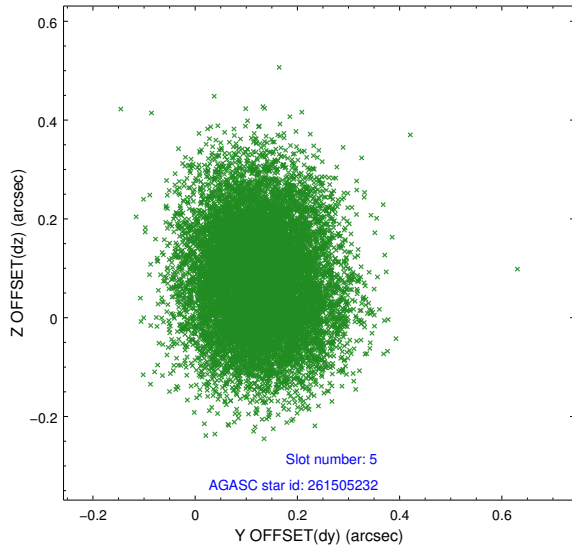
2.4.1 Slot 3



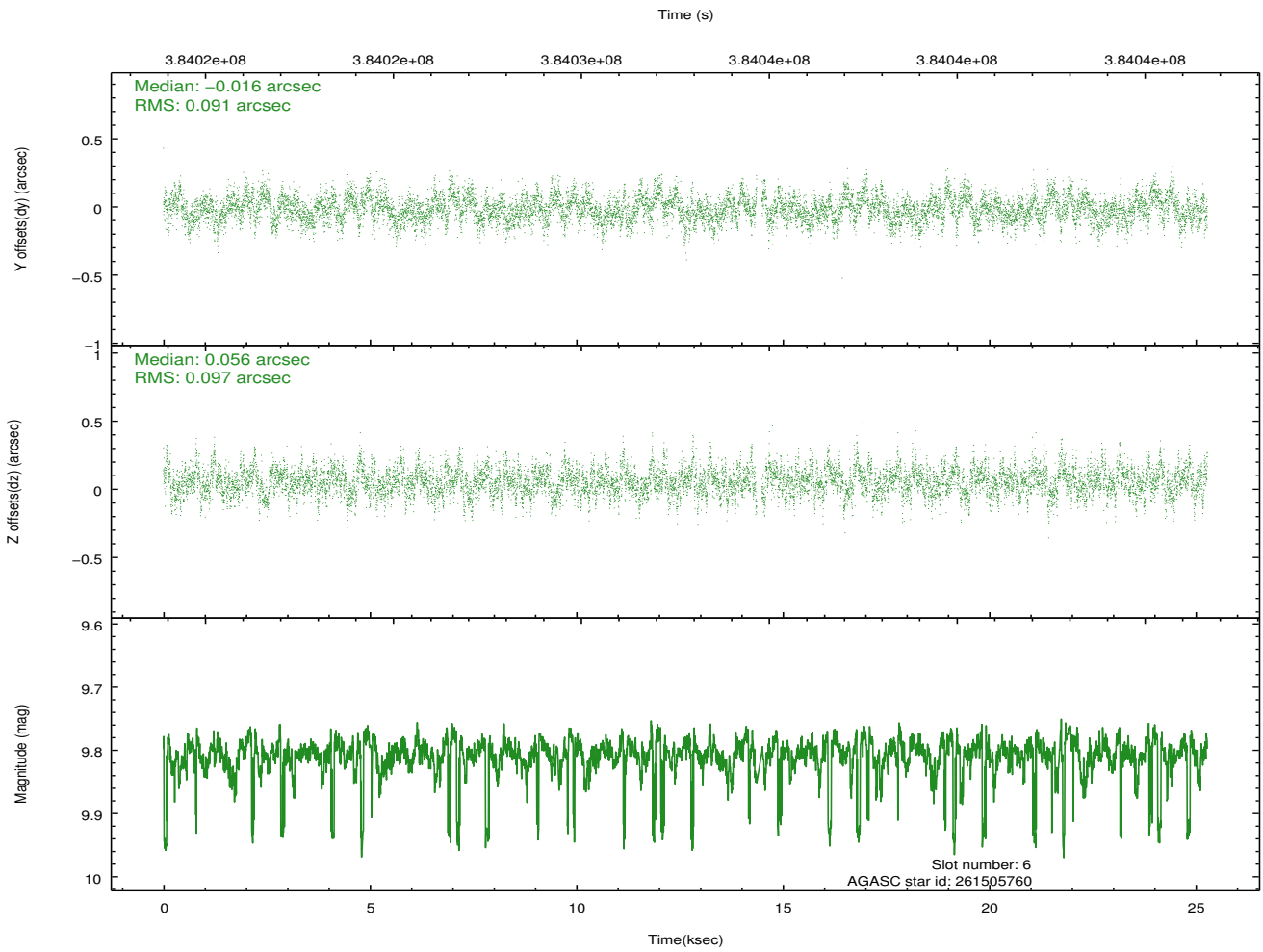
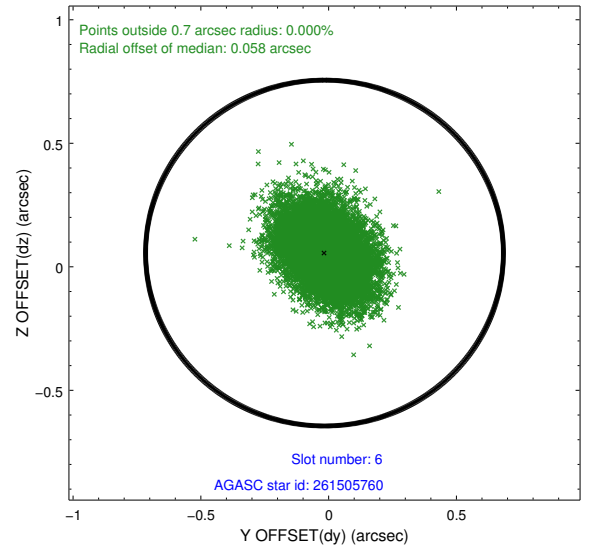
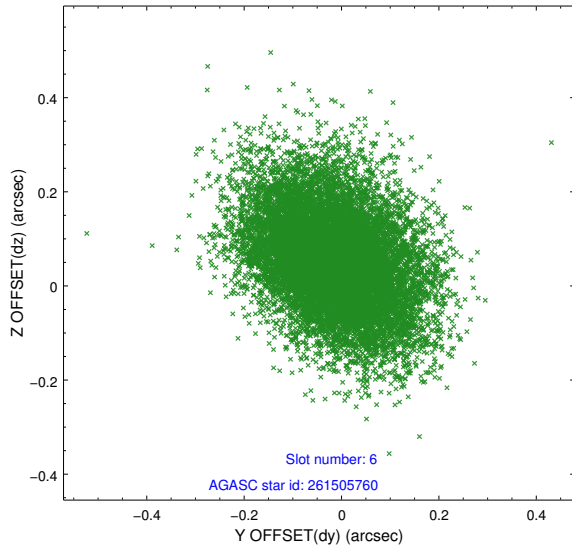
2.4.2 Slot 4



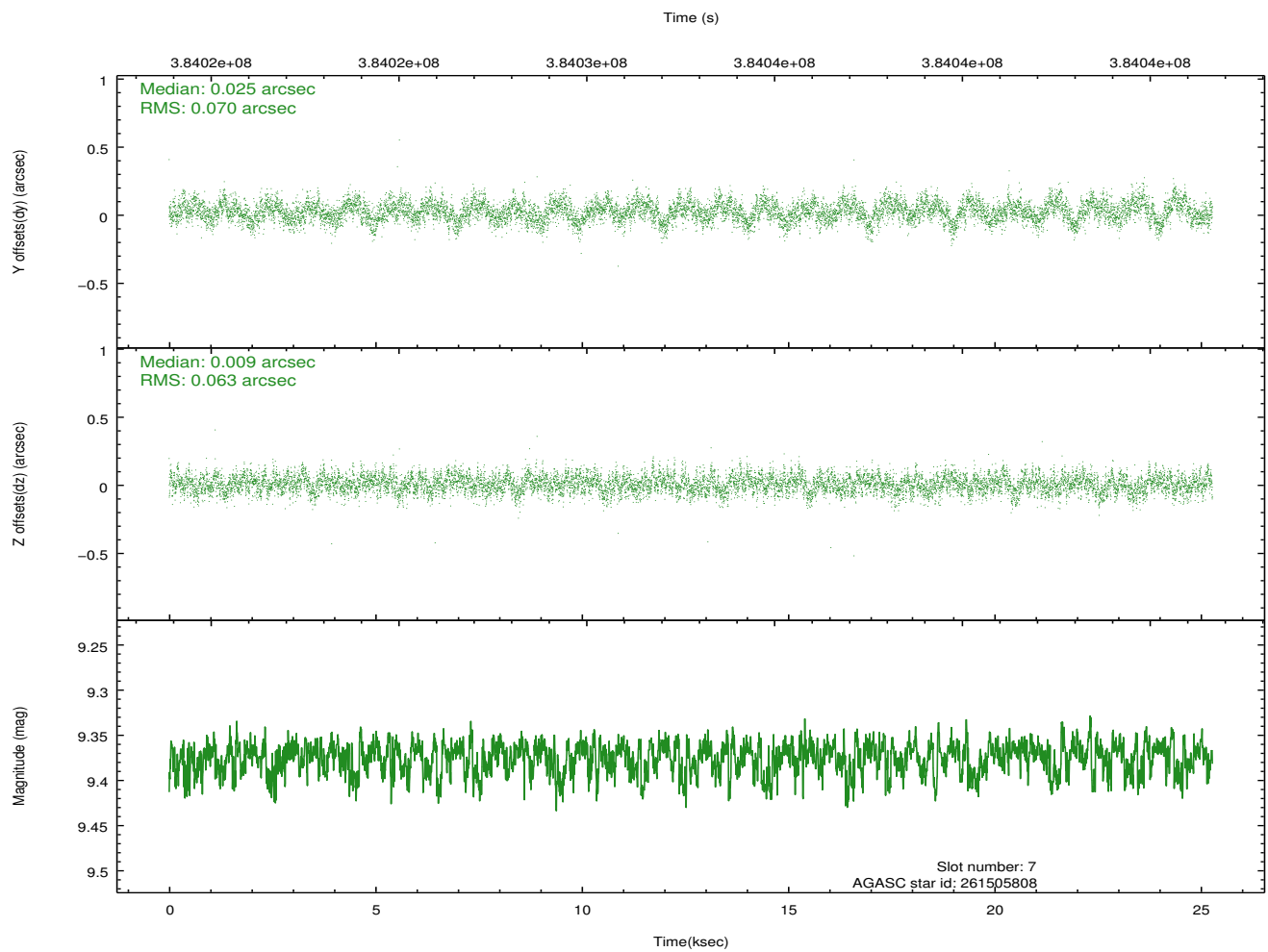
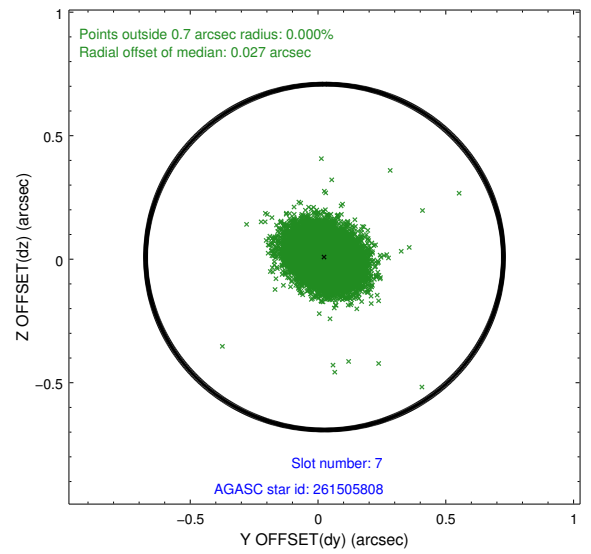
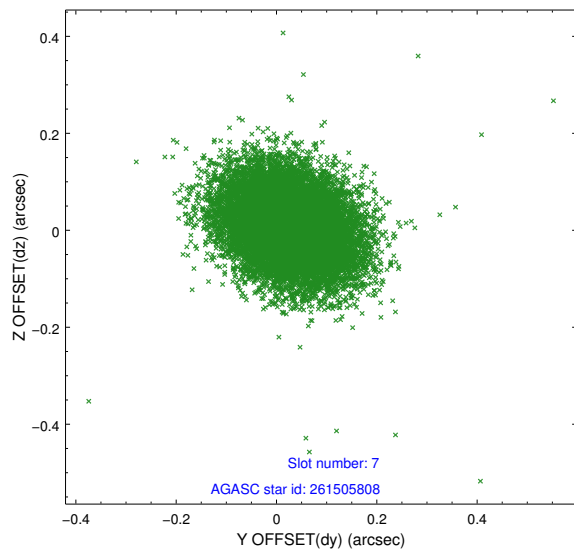
2.4.3 Slot 5



2.4.4 Slot 6

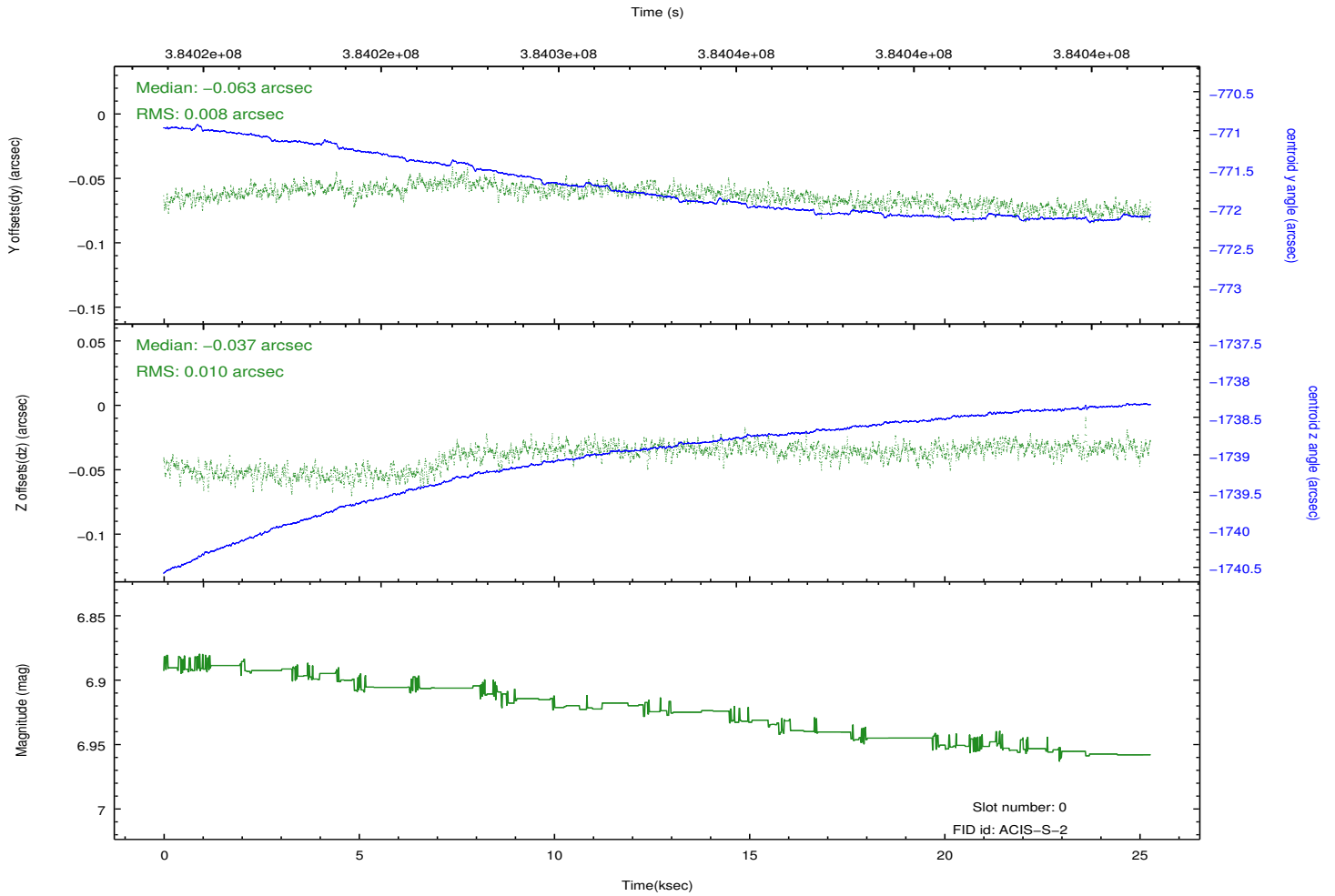
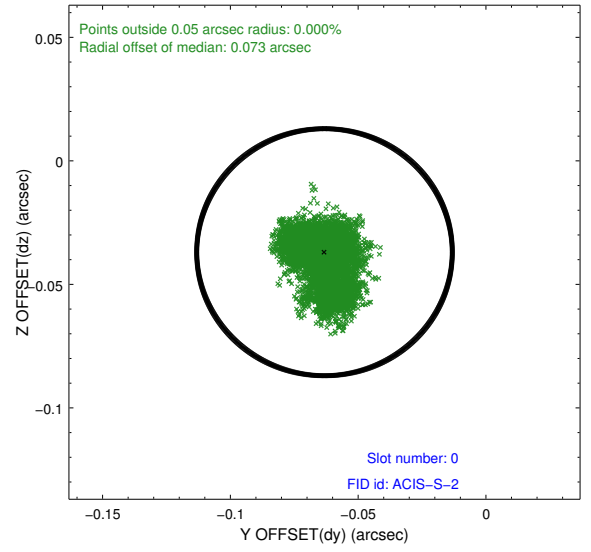
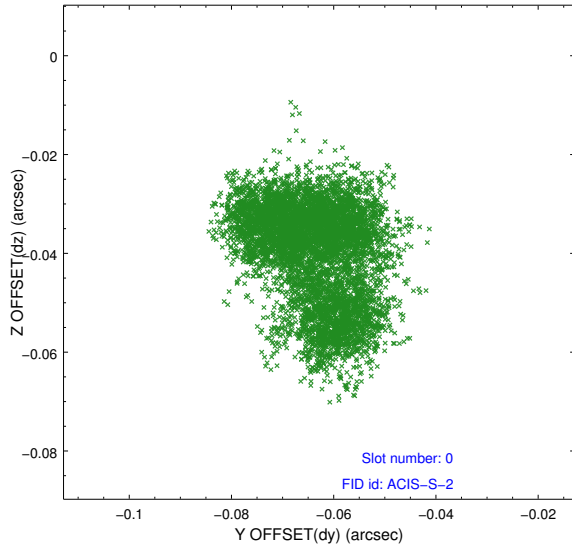


2.4.5 Slot 7

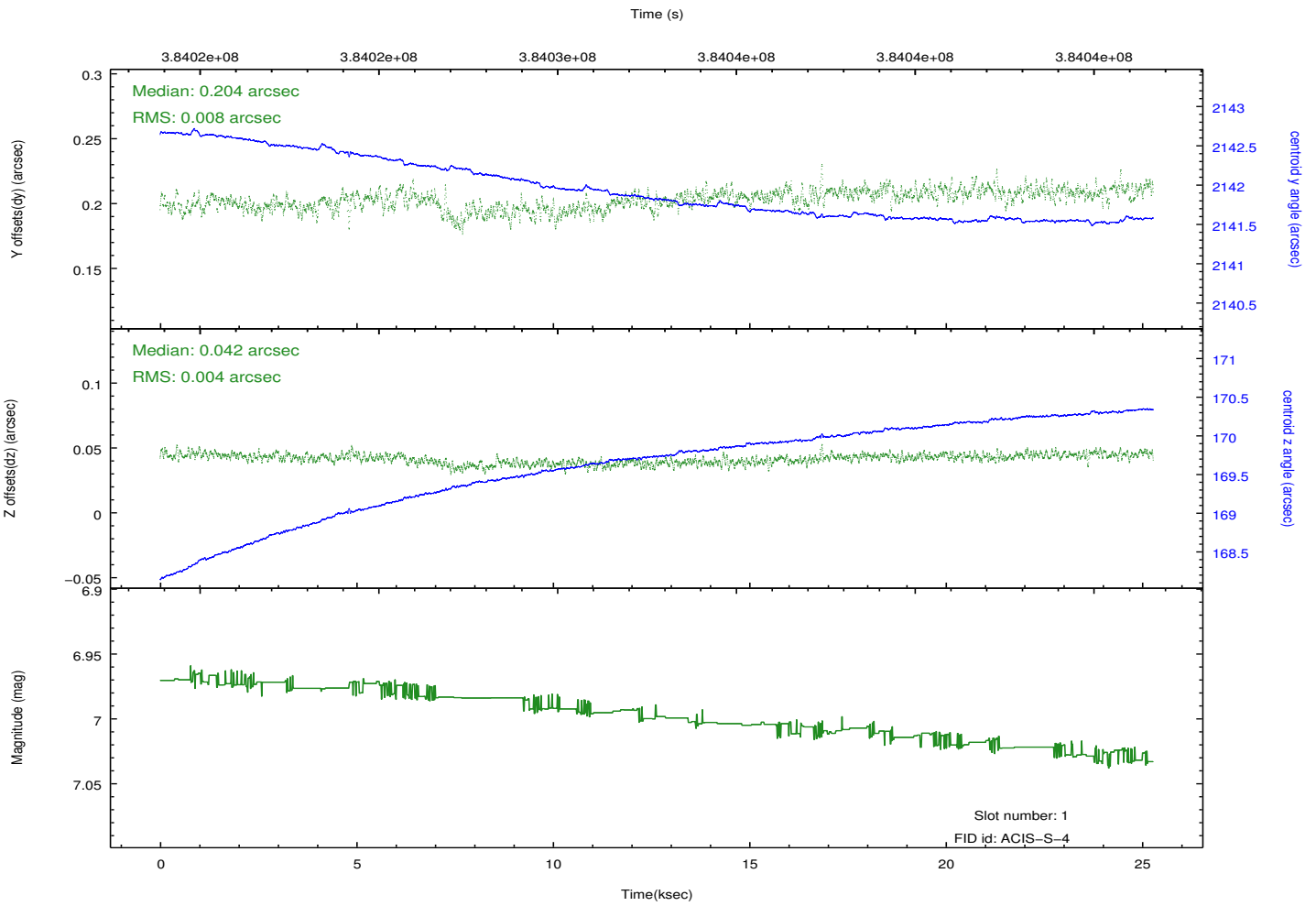
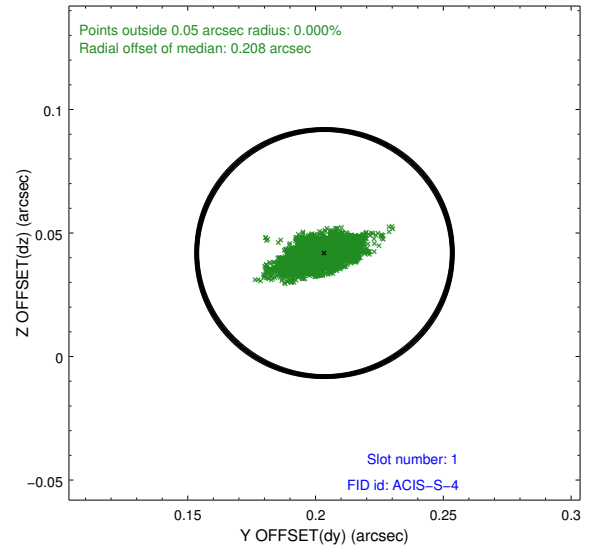
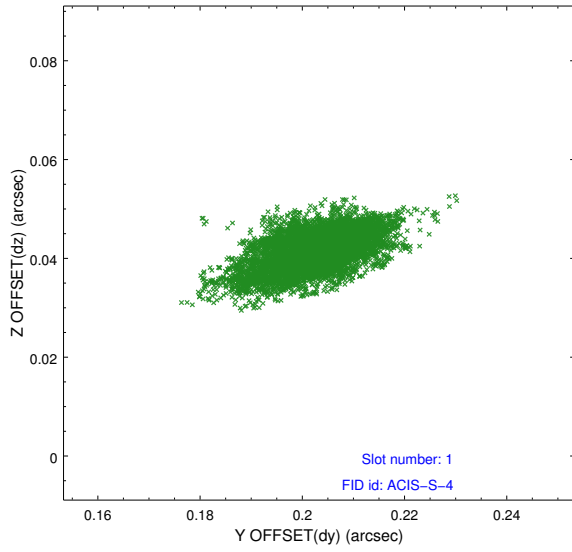


2.5 FID Slots

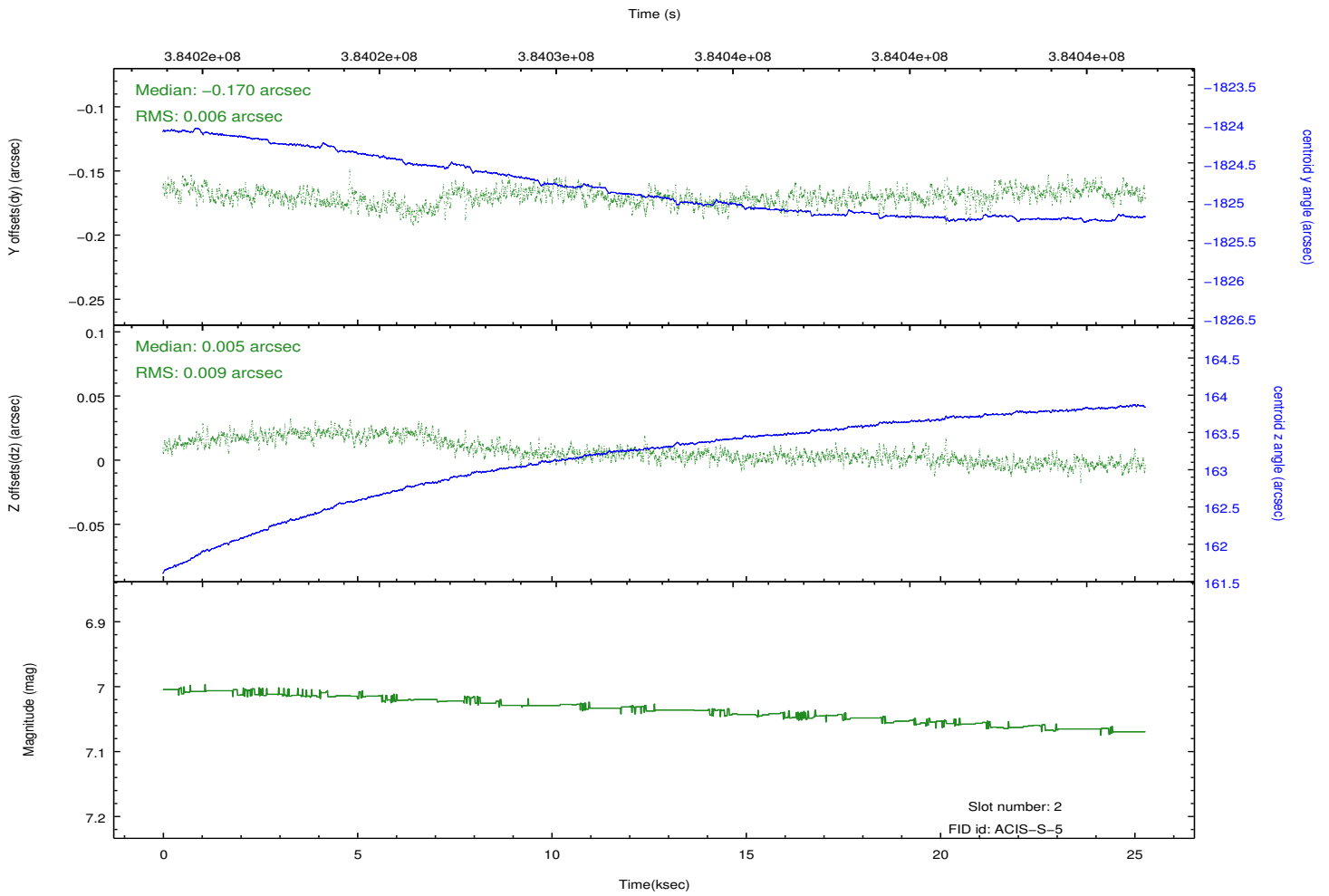
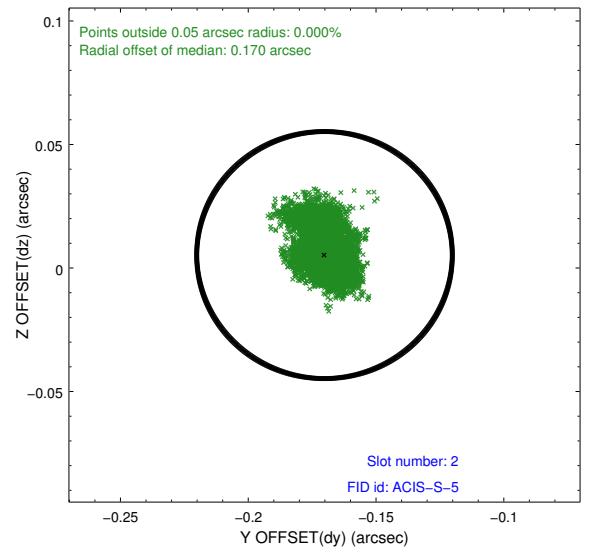
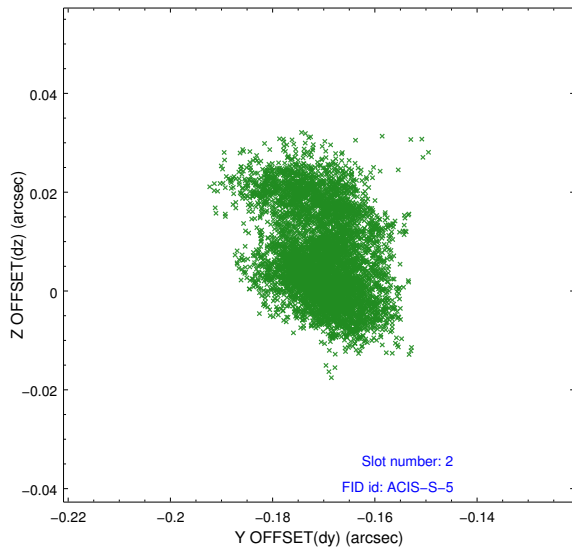
2.5.1 Slot 0



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)	2012.06.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.11999990648

A.2 Comments