

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1036 - L2 Version 3
Chandra X-Ray Center

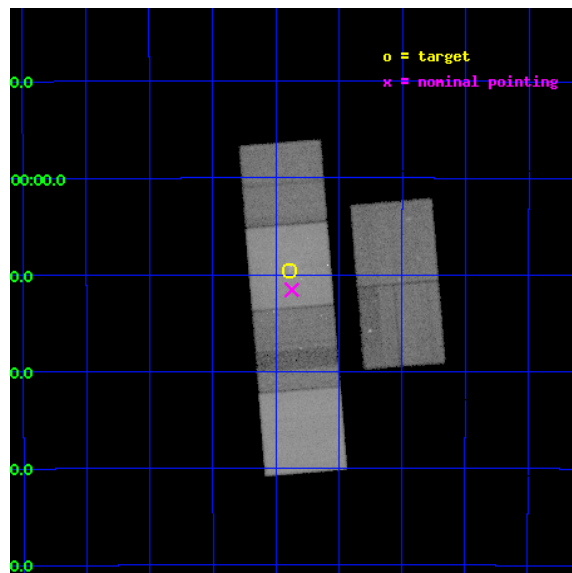
L2 Processing Date : Sep 3 2012

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1 Front

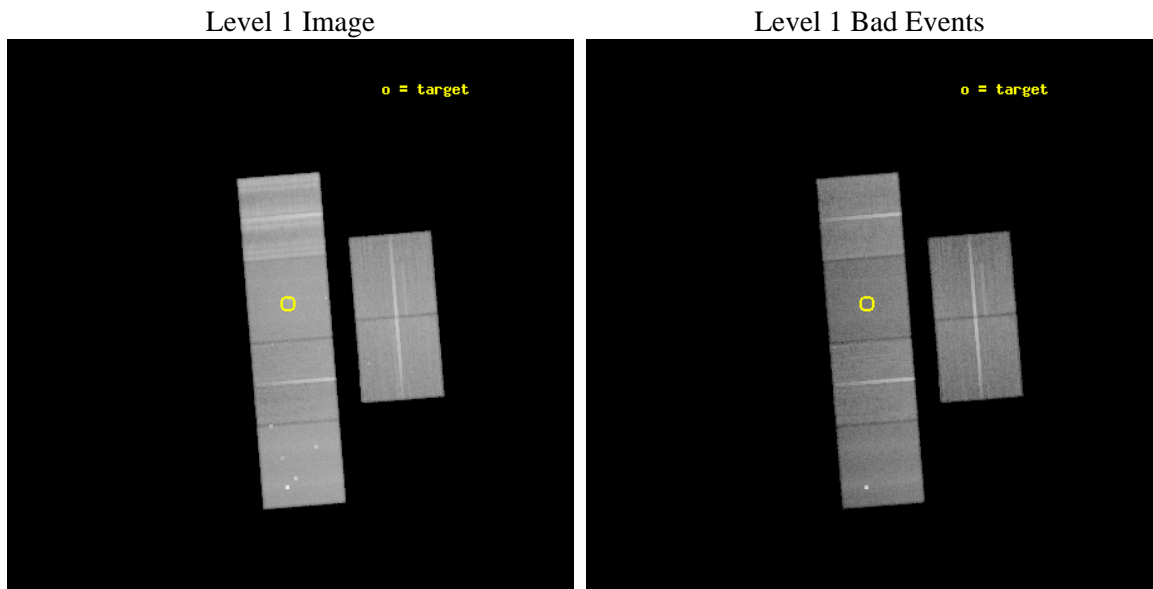
seq_num	500102	Sequence number
obs_id	1036	Observation id
title	G0.9+0.1 AND G74.9+1.2	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	G0.9+0.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.848333	Observer's specified target RA [deg]
dec_targ	-28.159722	Observer's specified target Dec [deg]
ra_nom	266.84317530998	Nominal RA [deg]
dec_nom	-28.192699721828	Nominal Dec [deg]
roll_nom	265.35241643384	Nominal Roll [deg]
revision	3	Processing version of data
ontime	35452.239498332	Sum of GTIs [s]
livetime	35003.321895028	Livetime [s]
ontime2	35452.280538335	Sum of GTIs [s]
ontime3	35452.116378337	Sum of GTIs [s]
ontime5	35452.198458329	Sum of GTIs [s]
ontime6	35452.15741834	Sum of GTIs [s]
ontime7	35452.239498332	Sum of GTIs [s]
ontime8	35452.075338334	Sum of GTIs [s]
l2events	562987	Number of level 2 events



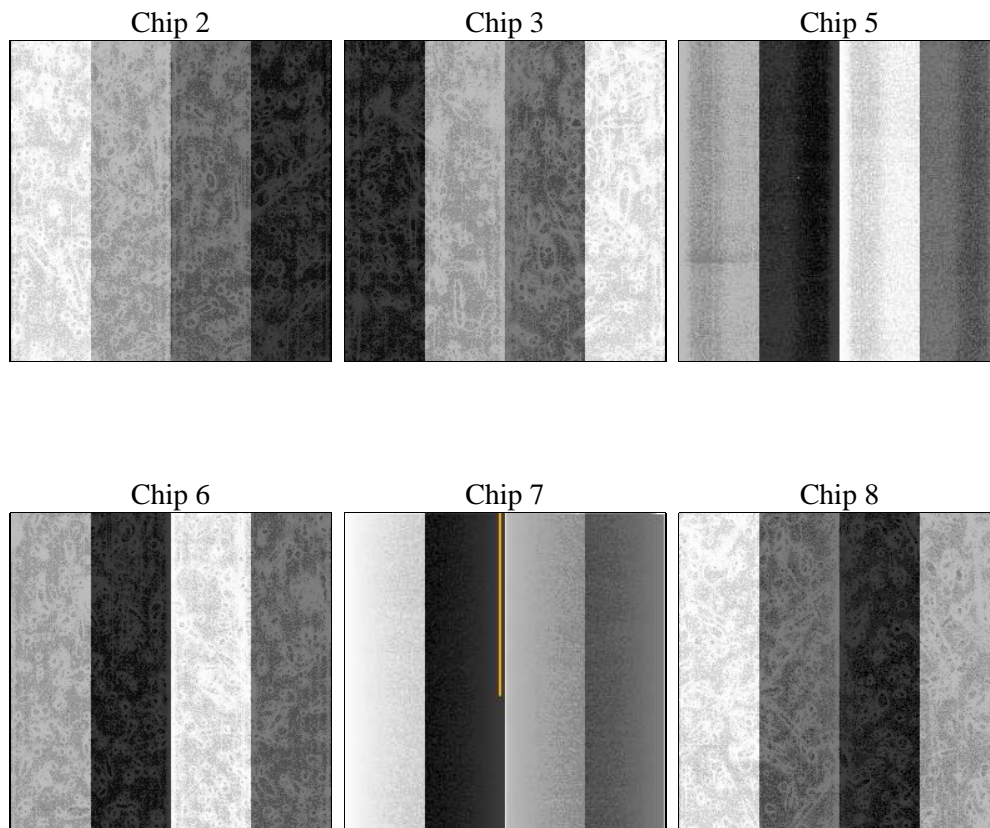
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	35500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	35452.239498332	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	35452.280538335	Sum of GTIs [s]
date	2012-09-03T00:45:21	Date and time of file creation	ontime3	35452.116378337	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	35452.198458329	Sum of GTIs [s]
			ontime6	35452.15741834	Sum of GTIs [s]
			ontime7	35452.239498332	Sum of GTIs [s]
			ontime8	35452.075338334	Sum of GTIs [s]
			l1events	2086424	Number of level 1 events

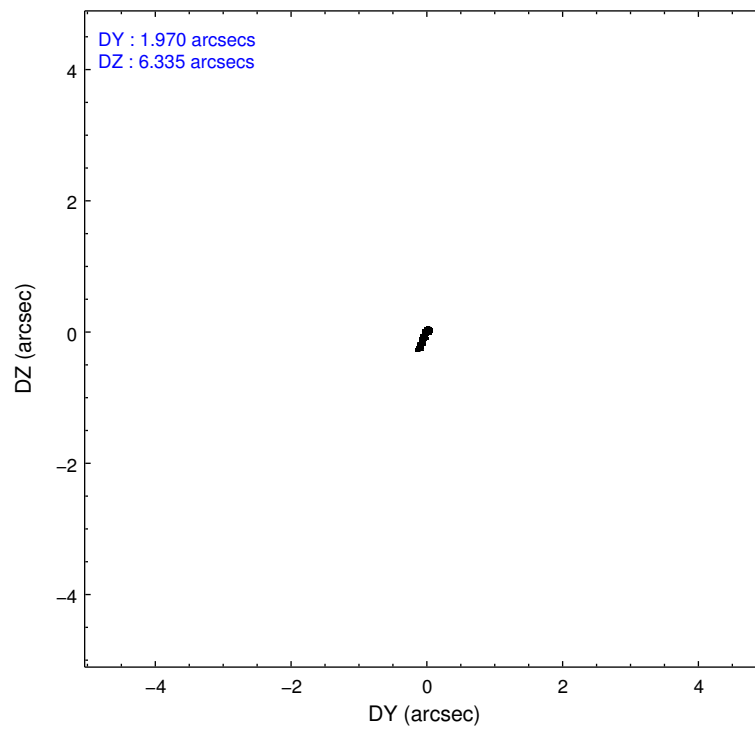
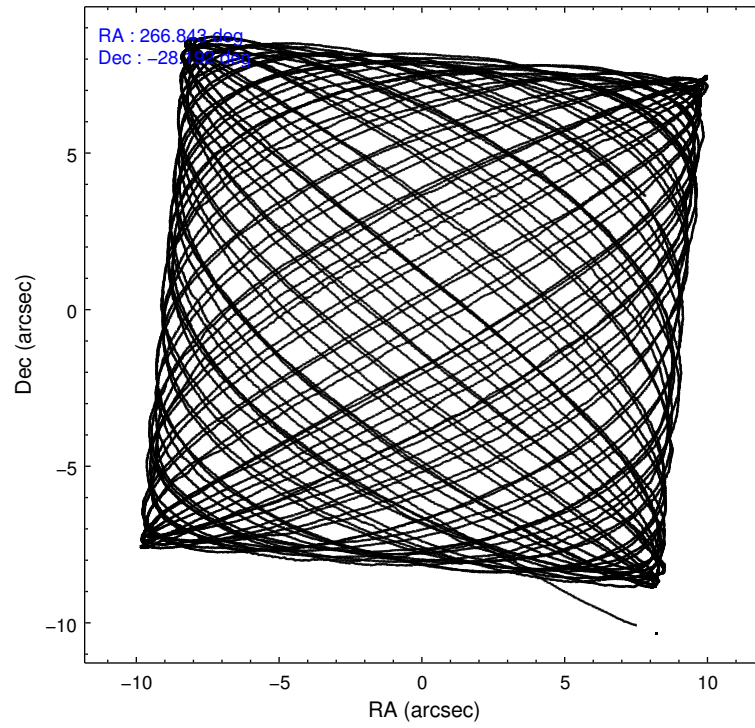
2.1.4 Events

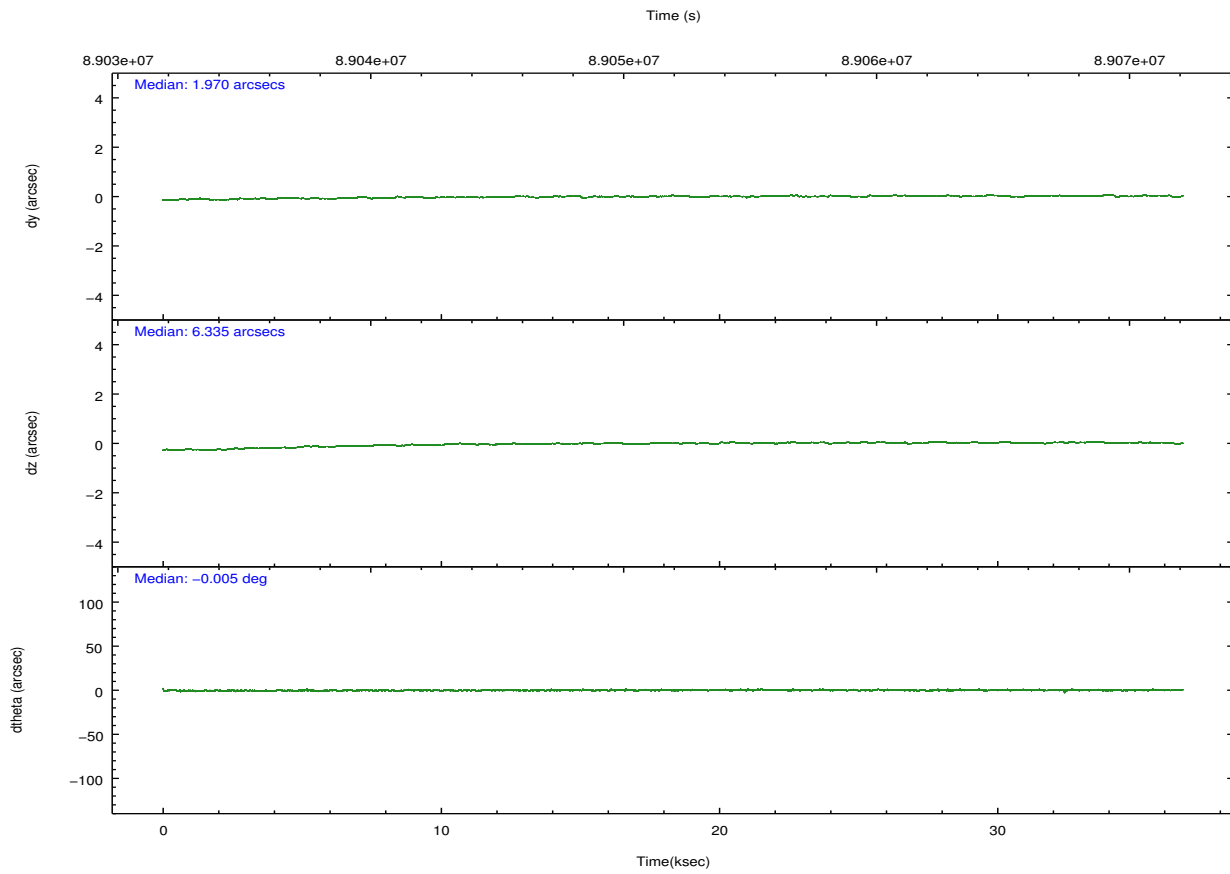
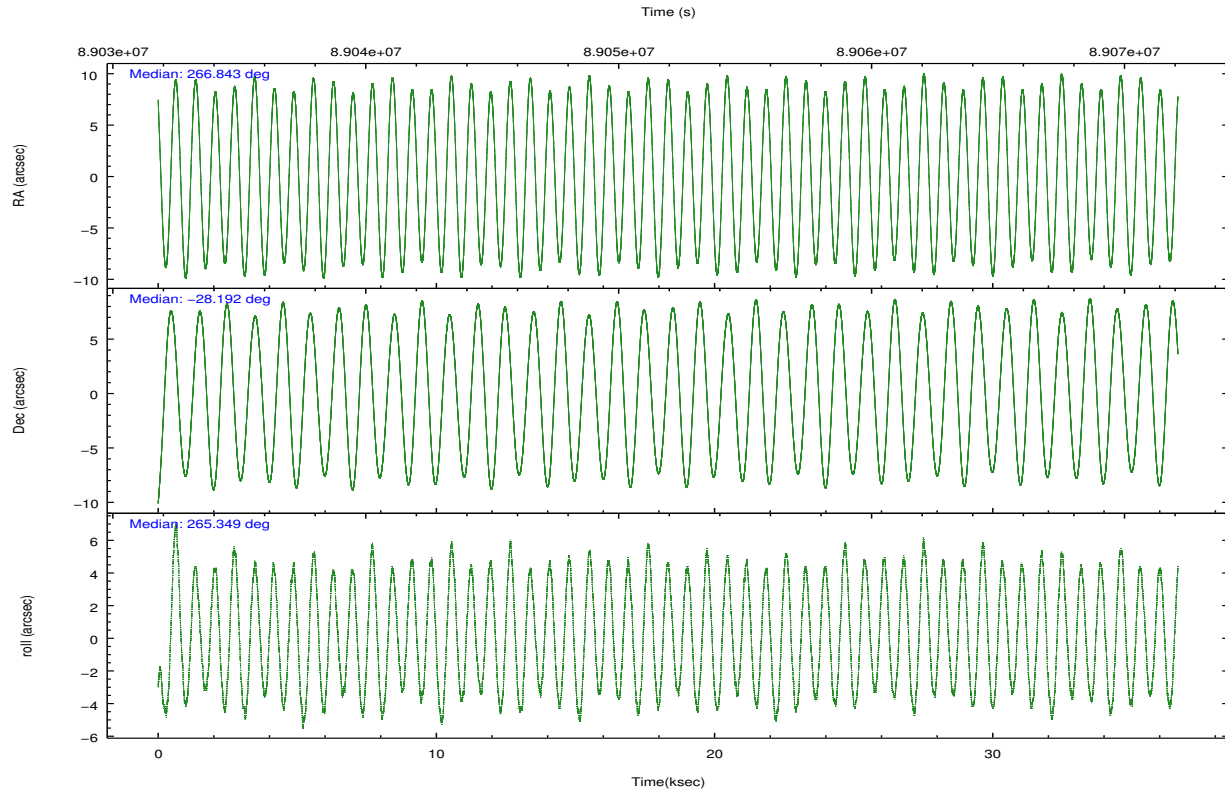
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	295729	287196	374911	296785	334089	497714	grade 0 events	29072	26199	24870	29914	19084	96349
rejected events	232897	224523	190062	229881	170591	257481		9%	9%	6%	10%	5%	19%
rejected %	78%	78%	50%	77%	51%	51%	grade 1 events	193	162	604	200	352	749
								0%	0%	0%	0%	0%	0%
							grade 2 events	14884	18035	53161	17642	33300	34252
								5%	6%	14%	5%	9%	6%
							grade 3 events	3065	2960	11411	3413	15006	39072
								1%	1%	3%	1%	4%	7%
							grade 4 events	3984	3401	10198	3665	14931	35313
								1%	1%	2%	1%	4%	7%
							grade 5 events	7614	8387	28904	9203	28678	12742
								2%	2%	7%	3%	8%	2%
							grade 6 events	11832	12085	85224	12280	81193	35262
								4%	4%	22%	4%	24%	7%
							grade 7 events	225085	215967	160539	220468	141545	243975
								76%	75%	42%	74%	42%	49%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	266.829699	266.8431753099829	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.168069	-28.19269972182767	Alternating exposures requested	N	N
[deg] Pointing Roll	265.189432	265.3524164338356	[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)	89034779.184000	89033332.17298999			
Observation start date	2000-10-27T11:51:55	2000-10-27T11:28:52			
[s] Observation end time (MET)	89070279.184000	89071162.361919			
Observation end date	2000-10-27T21:43:35	2000-10-27T21:59:22			
Read mode	TIMED	TIMED			

2.3 Aspect



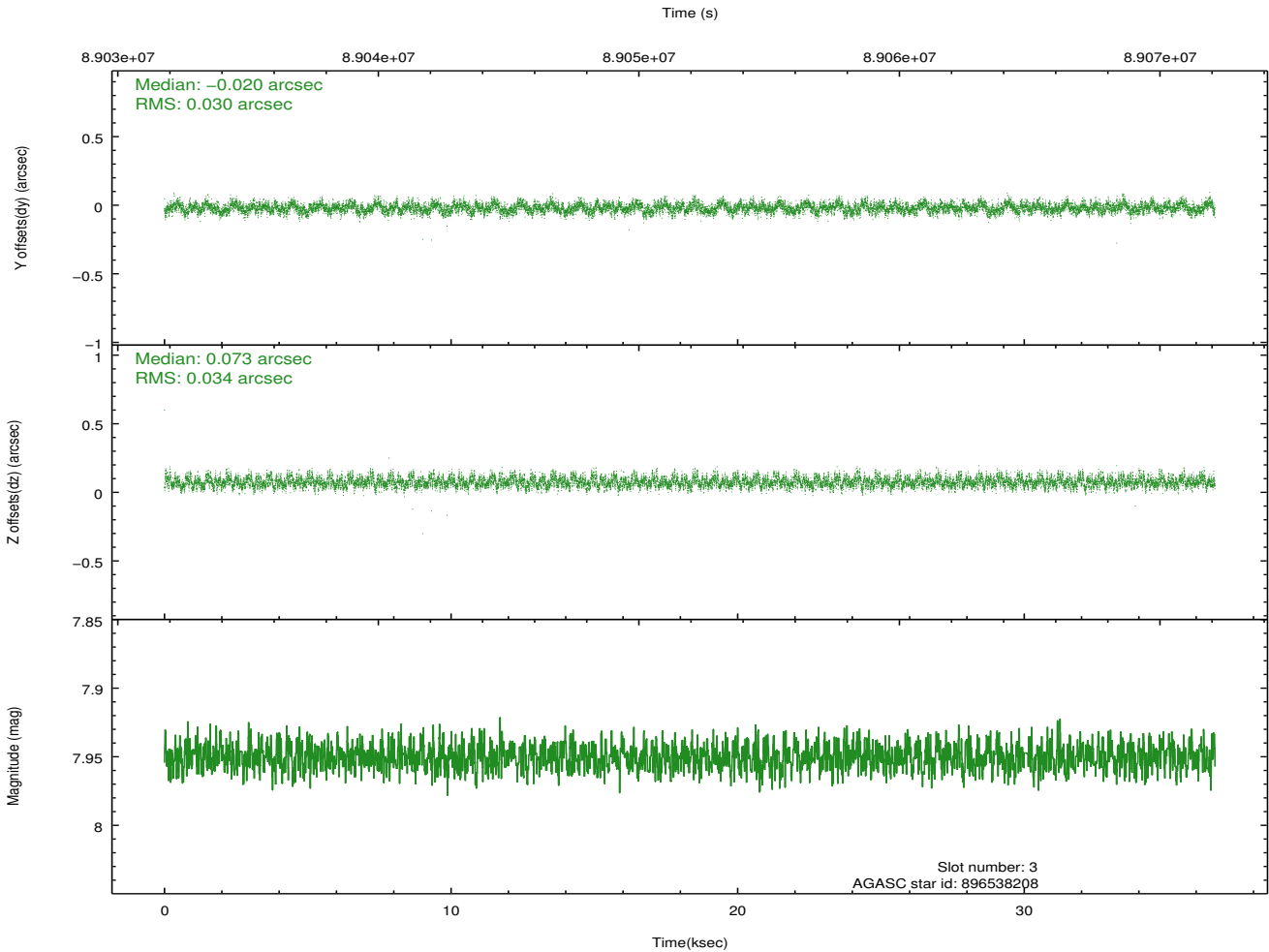
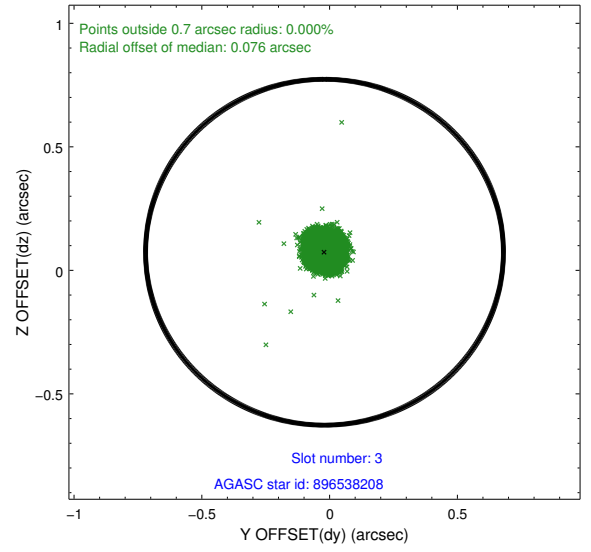
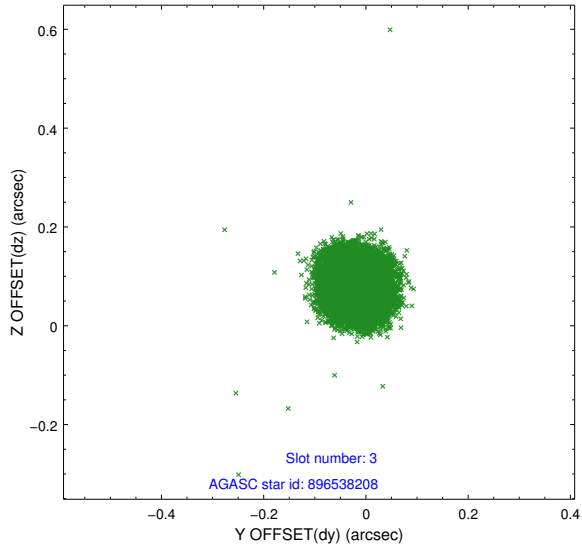


Slot Statistics

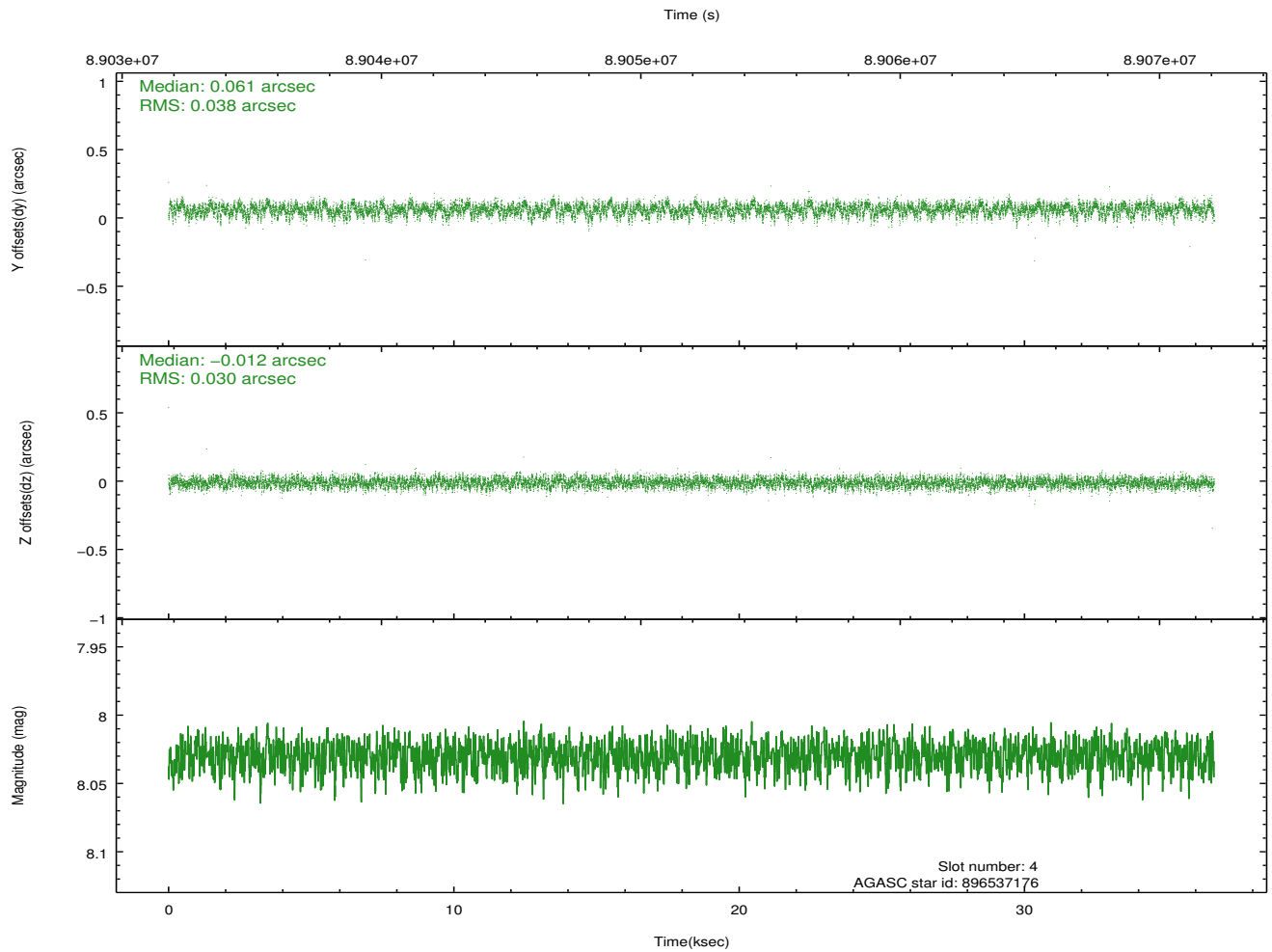
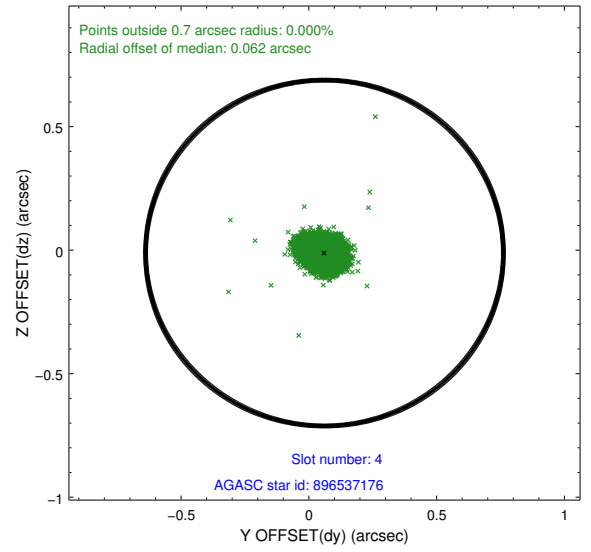
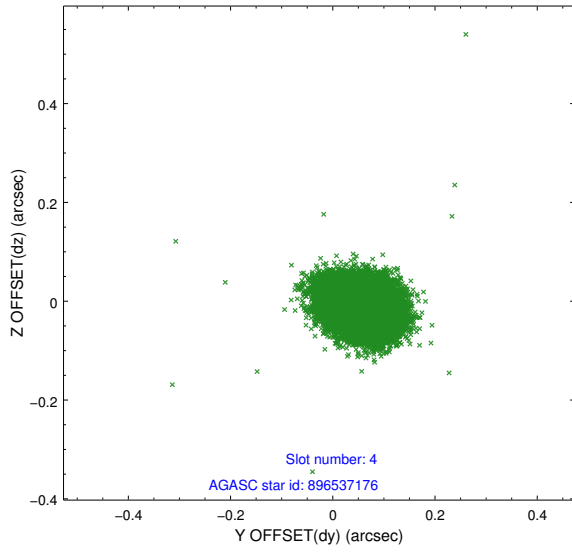
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	8941	-0.036	0.003	0.008	0.013	0.000000	0.000000	-754.59	-1727.45
1	FID	ACIS-S-4	7.20	8941	-0.028	0.016	0.006	0.011	0.000000	0.000000	2158.66	181.04
2	FID	ACIS-S-5	7.23	8941	0.032	-0.010	0.007	0.013	0.000000	0.000000	-1807.34	174.68
3	GUIDE	896538208	7.95	17881	-0.020	0.073	0.048	0.078	267.176969	-28.671626	1716.94	1245.81
4	GUIDE	896537176	8.03	17877	0.061	-0.012	0.051	0.082	266.498272	-28.678259	1920.67	-888.39
5	GUIDE	896011040	7.70	17882	-0.091	0.056	0.046	0.074	267.058469	-28.014759	-609.28	678.67
6	GUIDE	896535464	9.32	17873	0.117	-0.121	0.084	0.137	266.962550	-28.408631	828.99	492.22
7	GUIDE	896012968	8.67	17874	-0.064	0.002	0.064	0.099	266.634547	-27.600471	-1982.41	-791.43

2.4 Star Slots

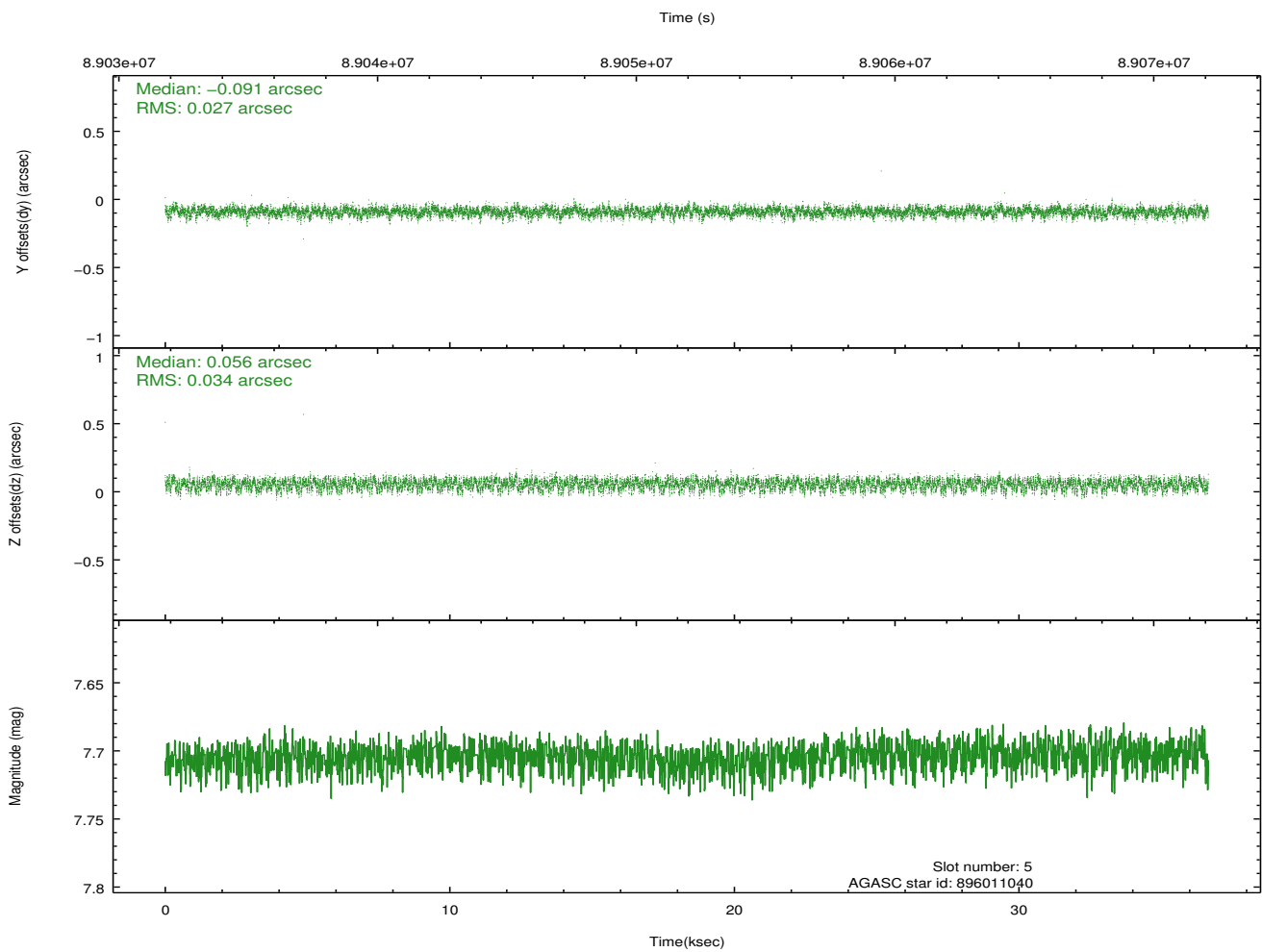
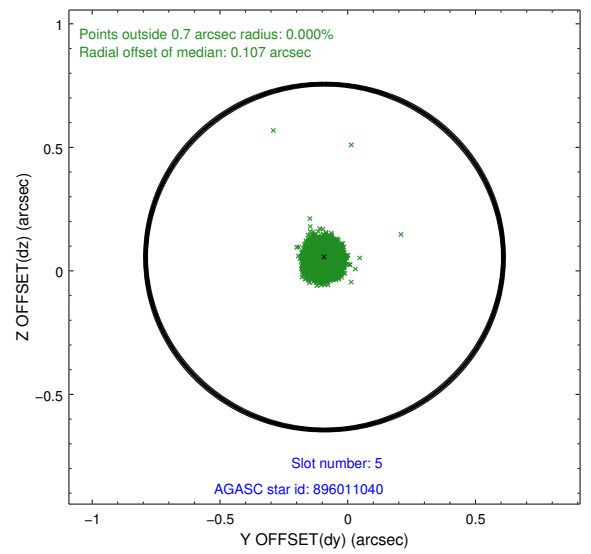
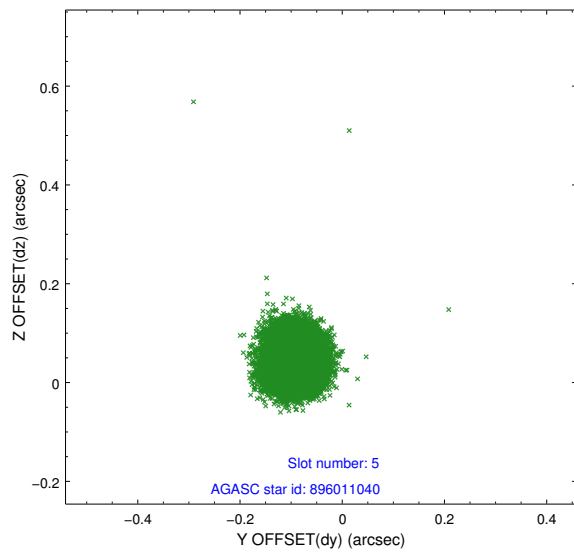
2.4.1 Slot 3



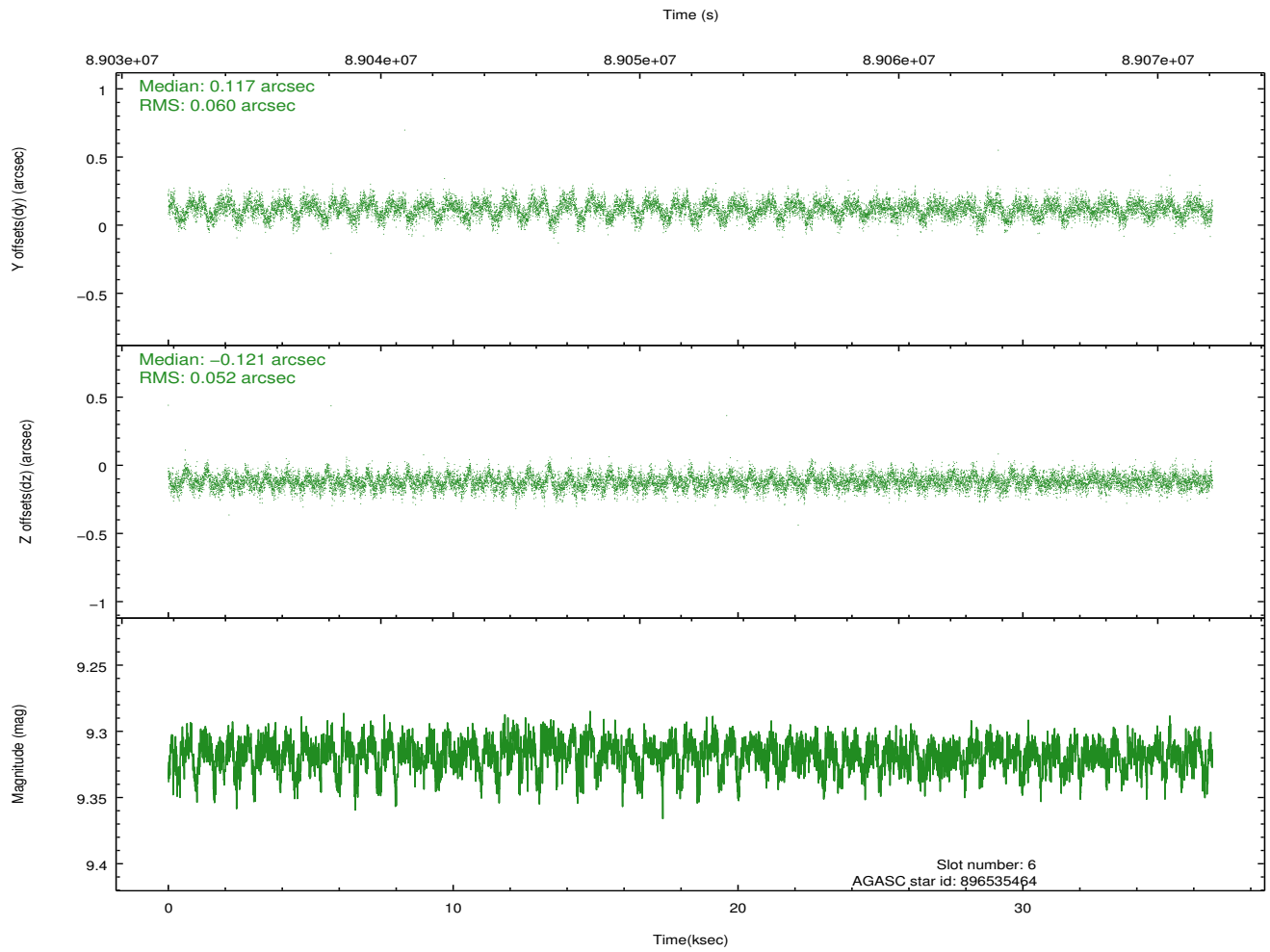
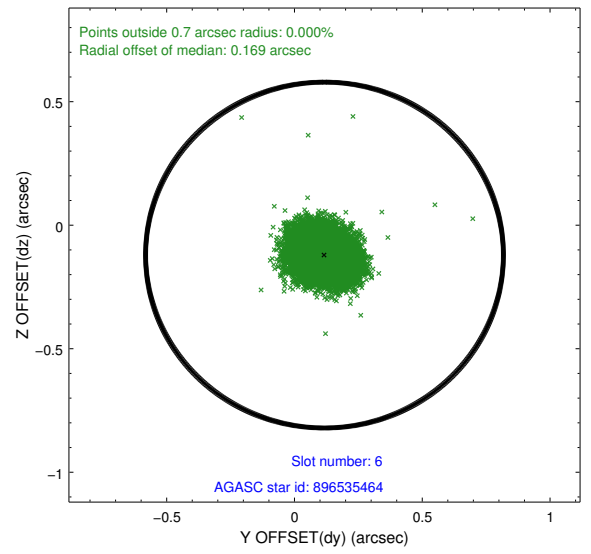
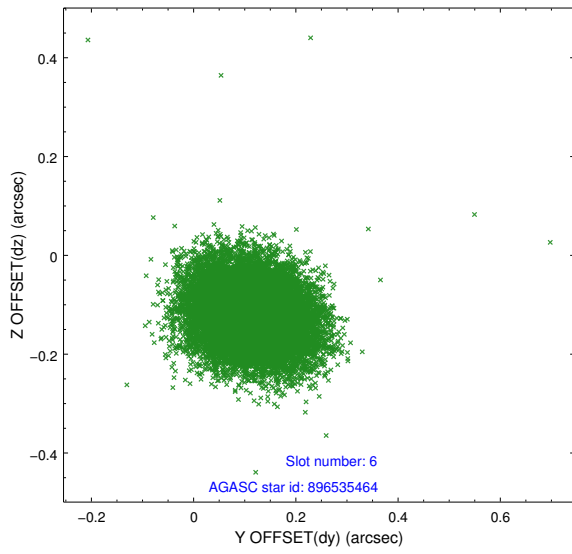
2.4.2 Slot 4



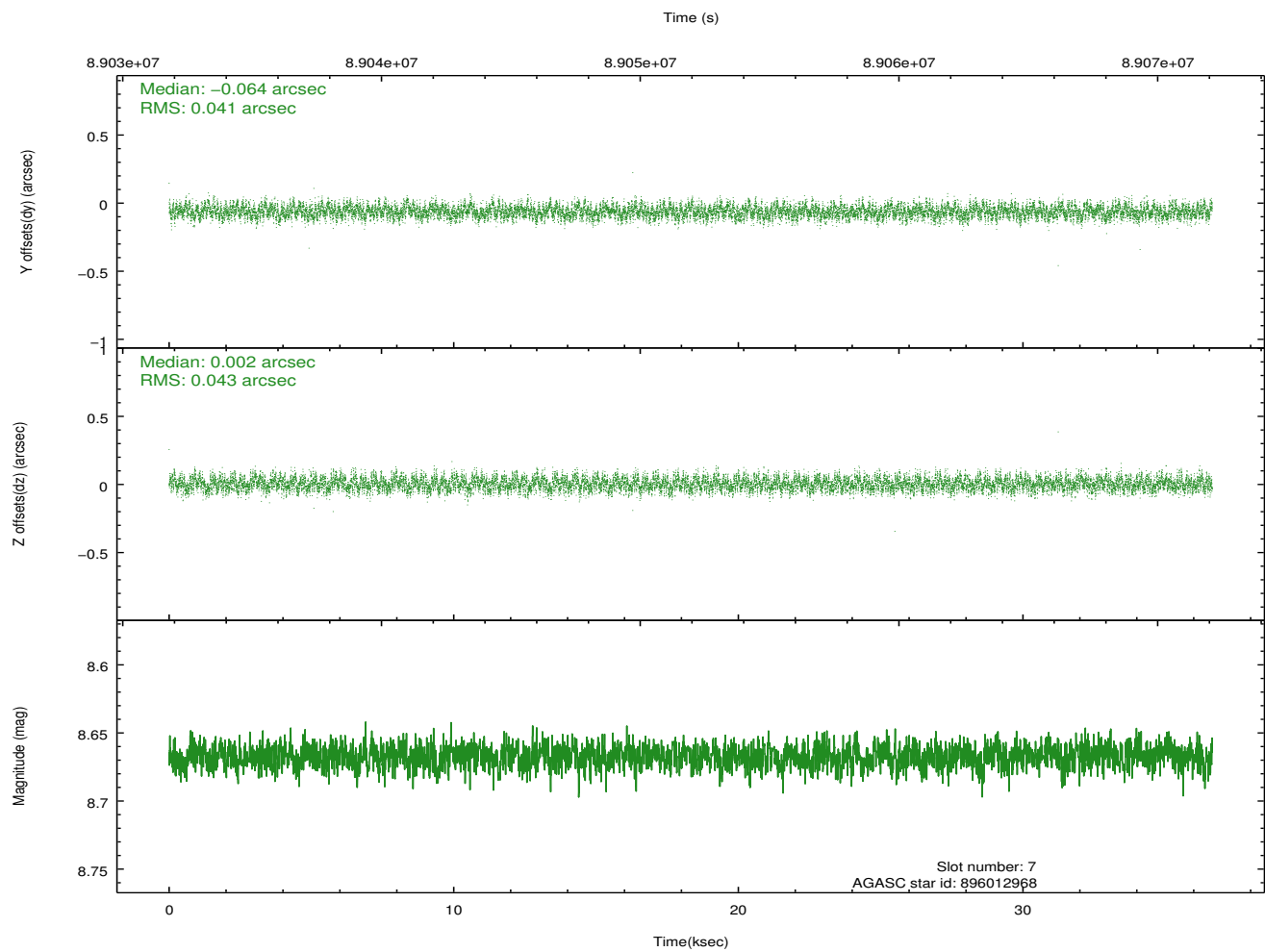
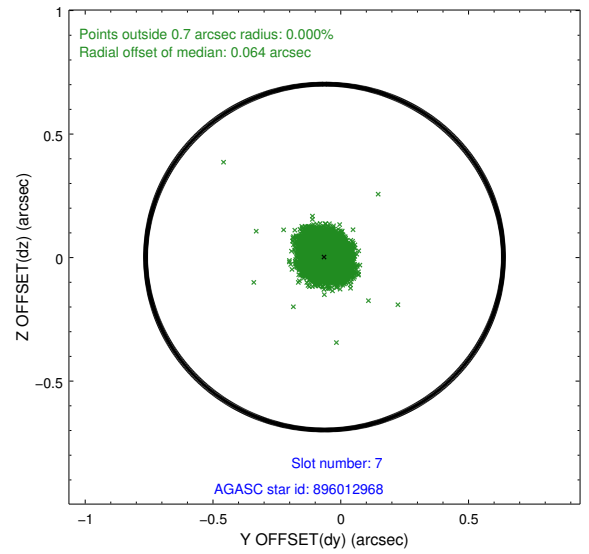
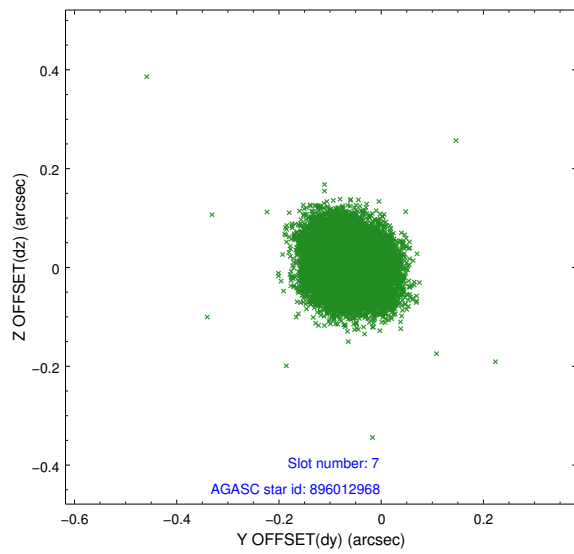
2.4.3 Slot 5



2.4.4 Slot 6

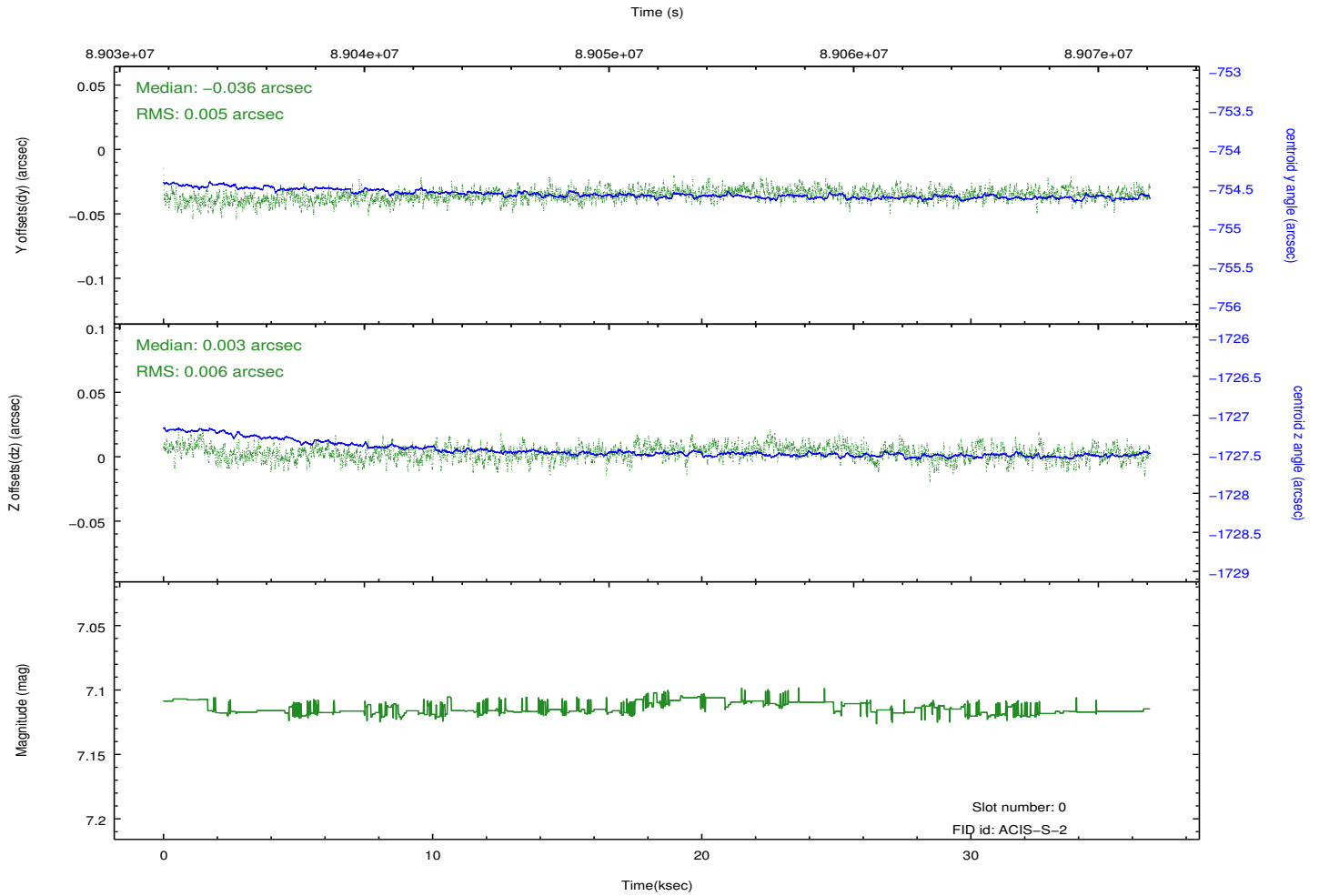
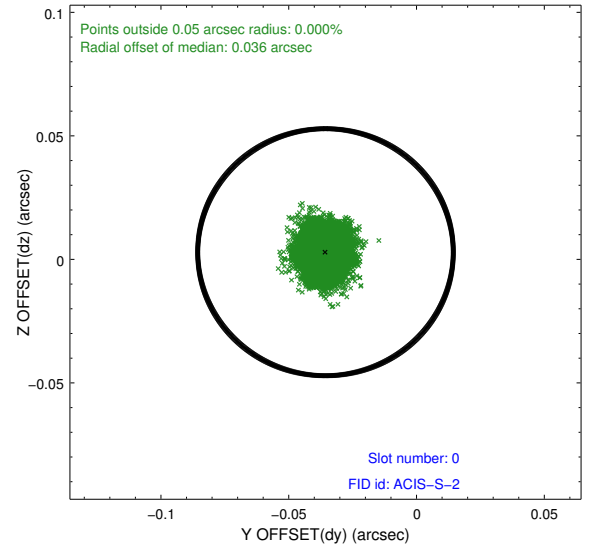
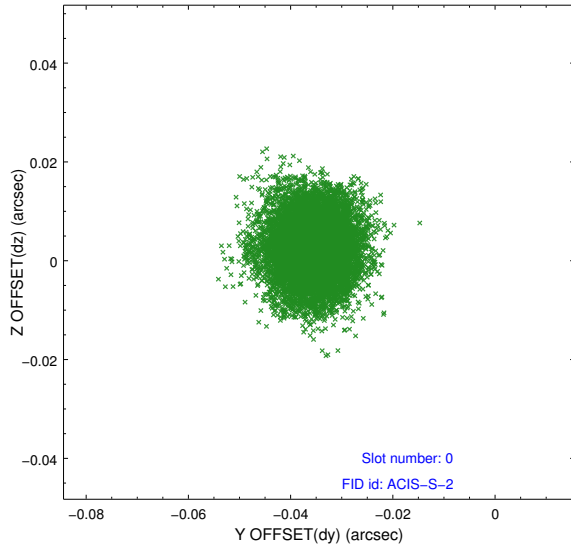


2.4.5 Slot 7

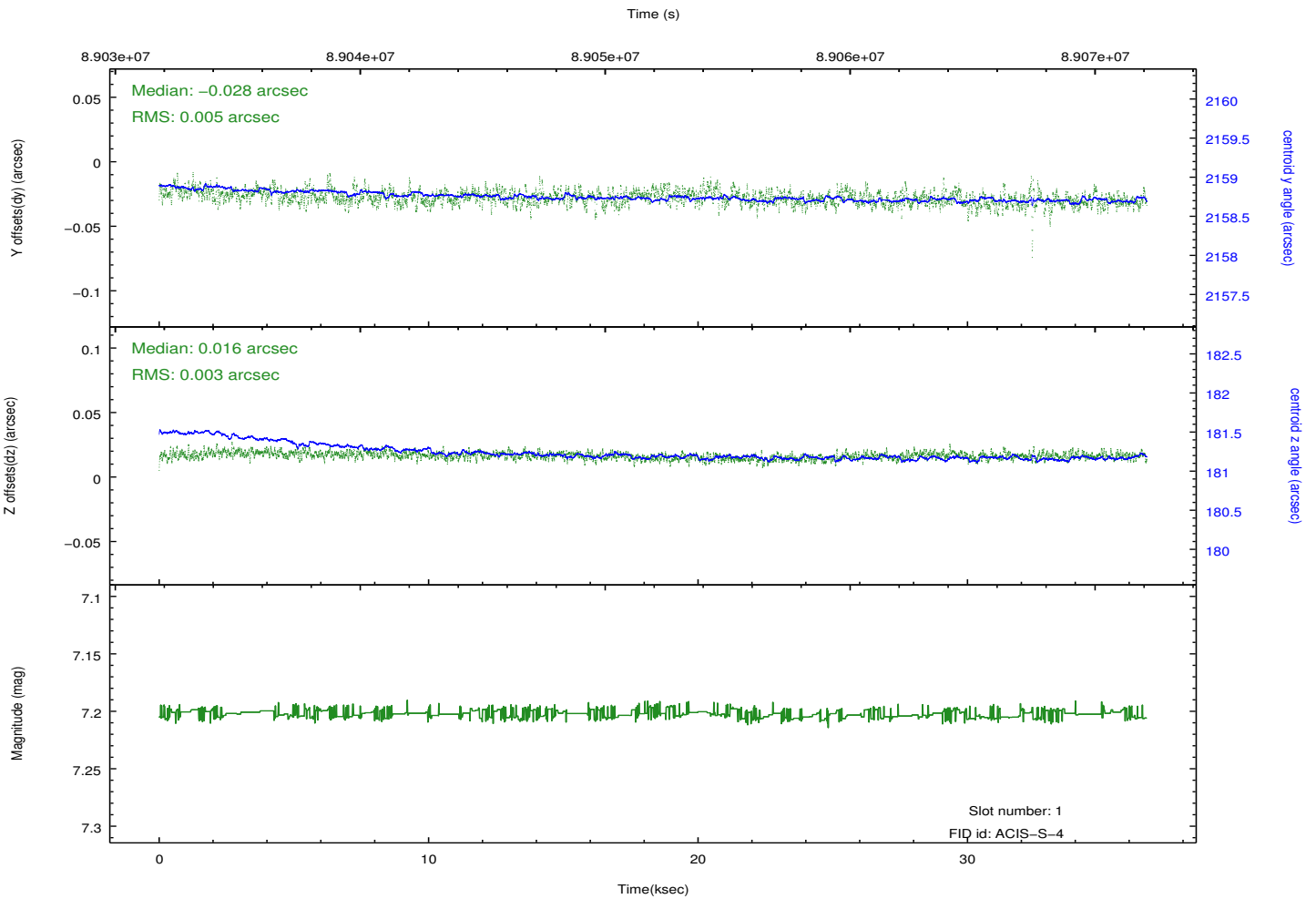
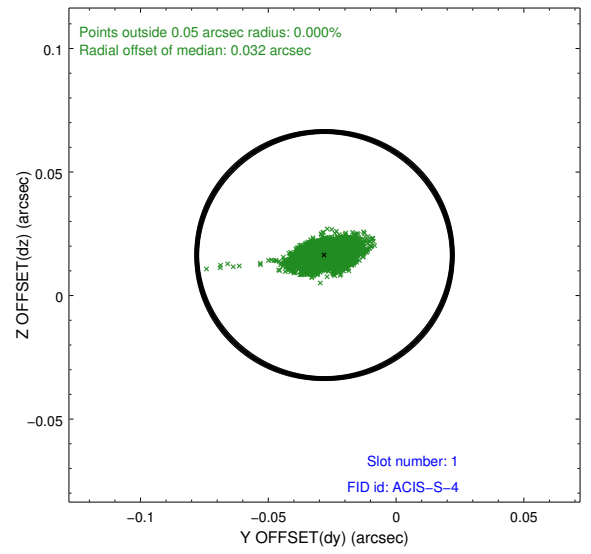
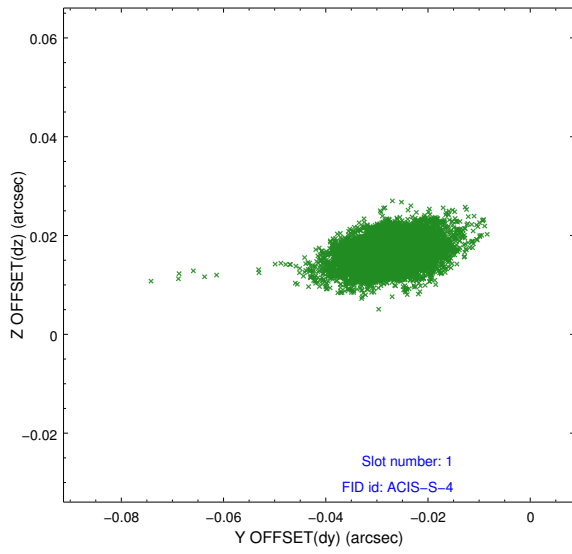


2.5 FID Slots

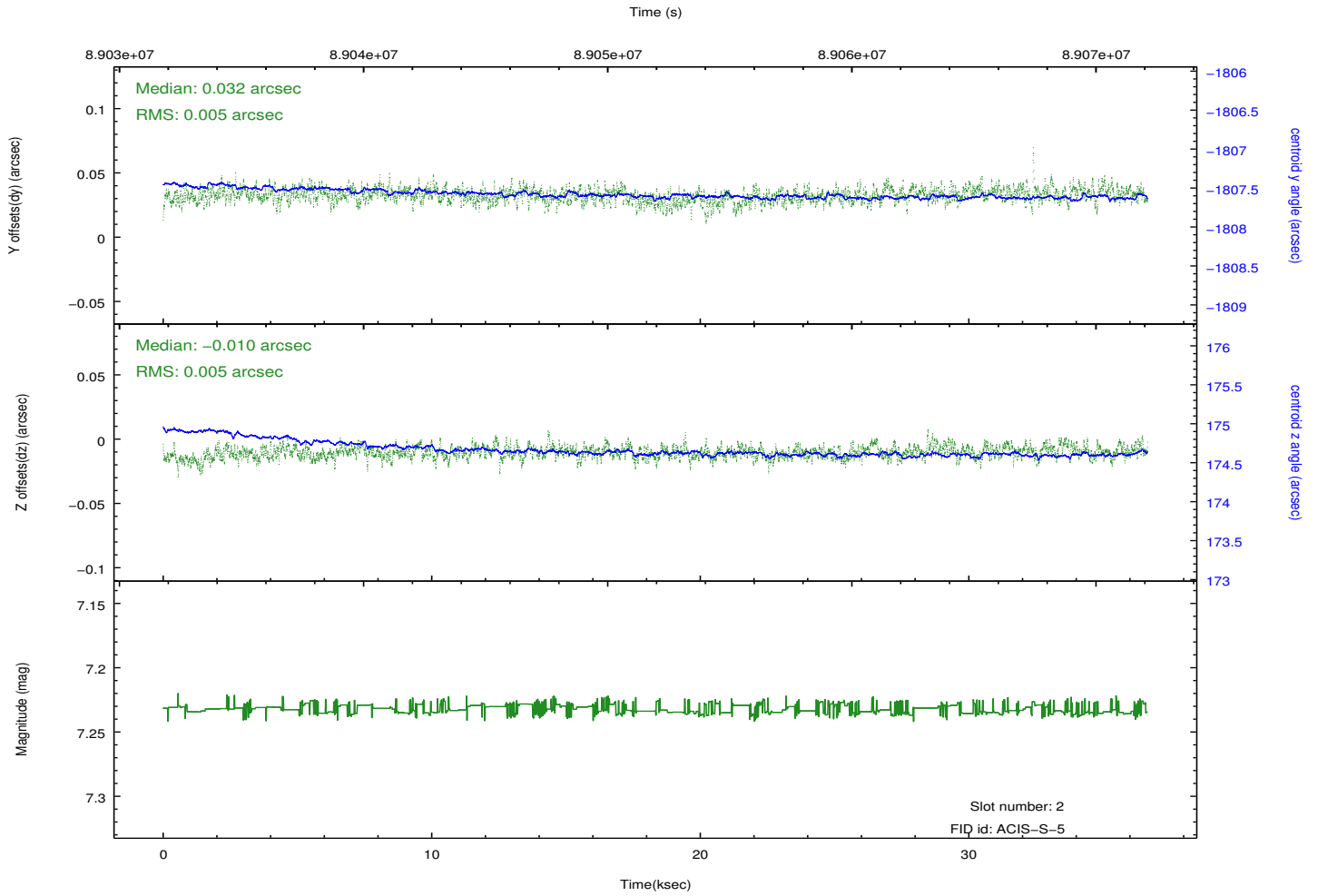
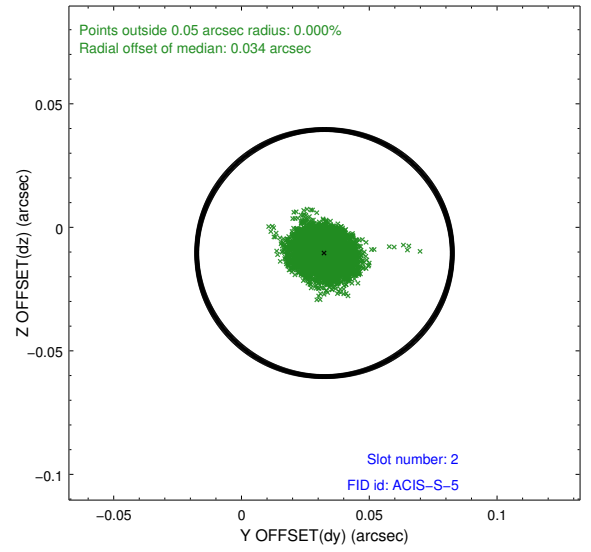
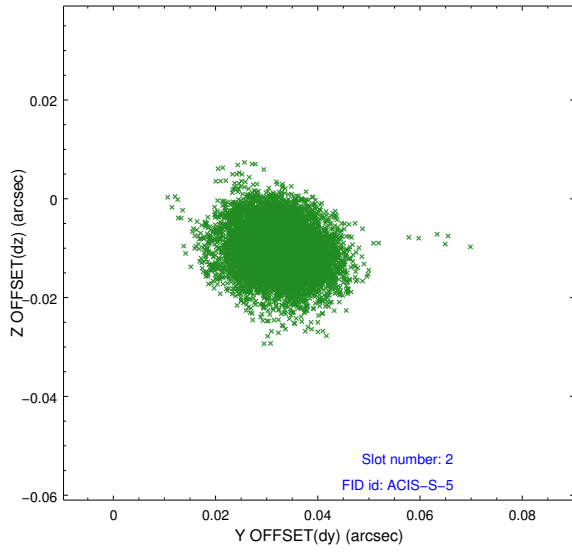
2.5.1 Slot 0



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)	2012.09.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.452

A.2 Comments