

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3863 - L2 Version 3
Chandra X-Ray Center

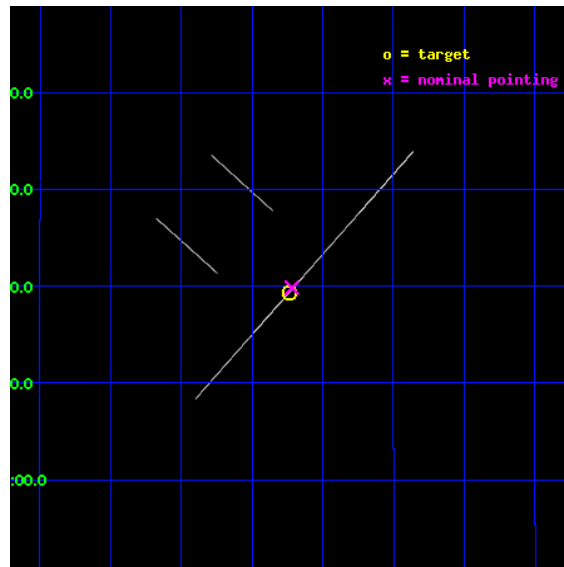
L2 Processing Date : Oct 29 2012

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1 Front

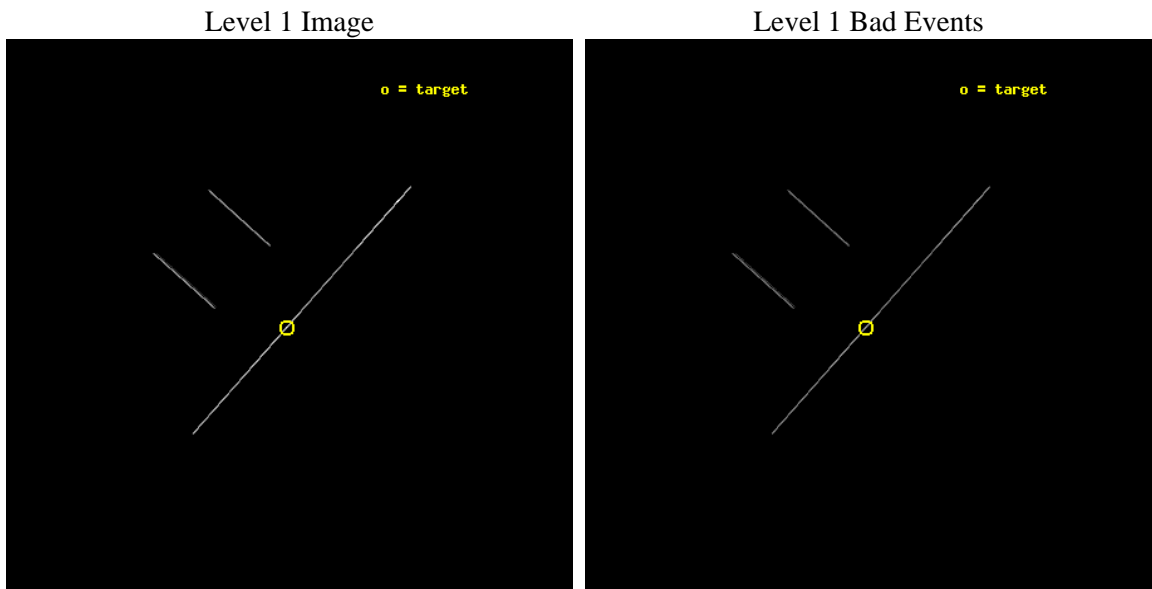
seq_num	500342	Sequence number
obs_id	3863	Observation id
title	PROBING THE NATURE OF THE TORQUE VARIABILITY IN SGR 1900+14	Propos
observer	Dr. Peter Woods	Principal investigator
object	SGR 1900+14	Source name
ra_targ	286.809583	Observer's specified target RA [deg]
dec_targ	9.32225	Observer's specified target Dec [deg]
ra_nom	286.80445426866	Nominal RA [deg]
dec_nom	9.3304507117052	Nominal Dec [deg]
roll_nom	131.67871938939	Nominal Roll [deg]
revision	3	Processing version of data
ontime	25692.25	Sum of GTIs [s]
livetime	25591.889648438	Livetime [s]
ontime2	25692.25	Sum of GTIs [s]
ontime3	25692.25	Sum of GTIs [s]
ontime5	25692.25	Sum of GTIs [s]
ontime6	25692.25	Sum of GTIs [s]
ontime7	25692.25	Sum of GTIs [s]
ontime8	25692.25	Sum of GTIs [s]
l2events	290406	Number of level 2 events



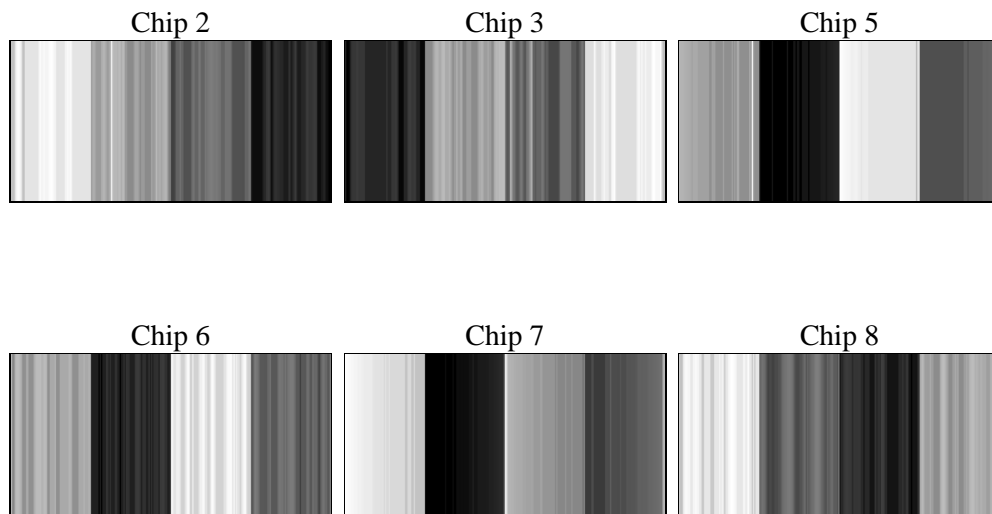
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	25692.25	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	25692.25	Sum of GTIs [s]
date	2012-10-29T04:43:29	Date and time of file creation	ontime3	25692.25	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	25692.25	Sum of GTIs [s]
			ontime6	25692.25	Sum of GTIs [s]
			ontime7	25692.25	Sum of GTIs [s]
			ontime8	25692.25	Sum of GTIs [s]
			l1events	461897	Number of level 1 events

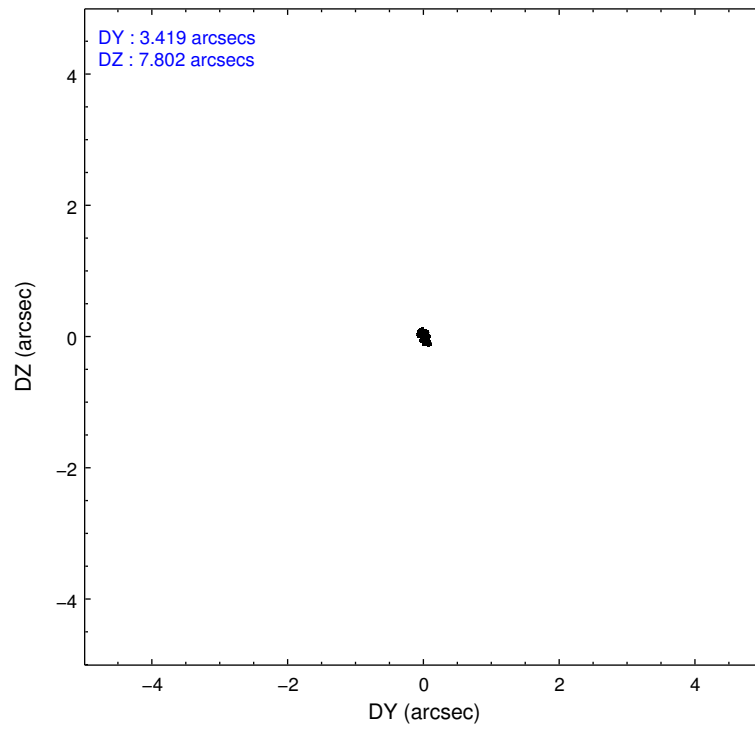
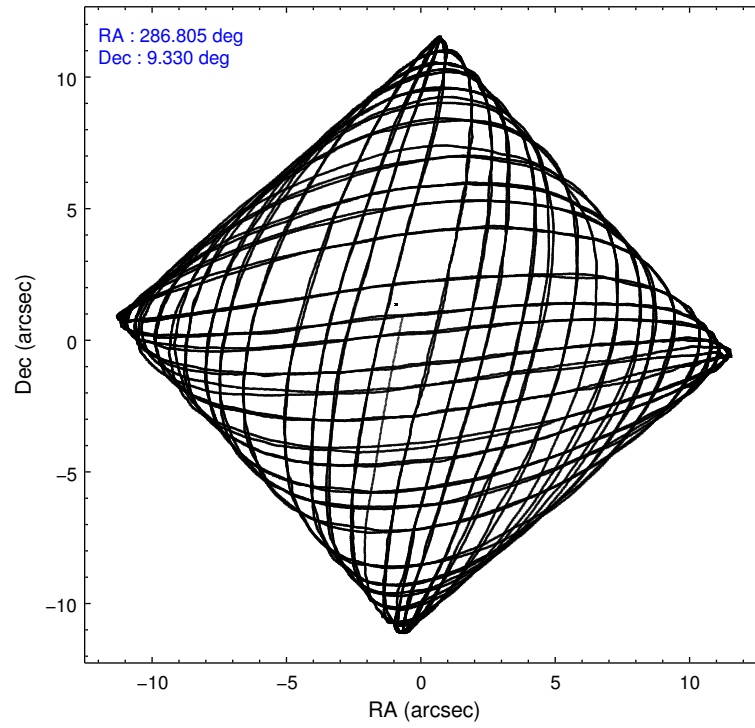
2.1.4 Events

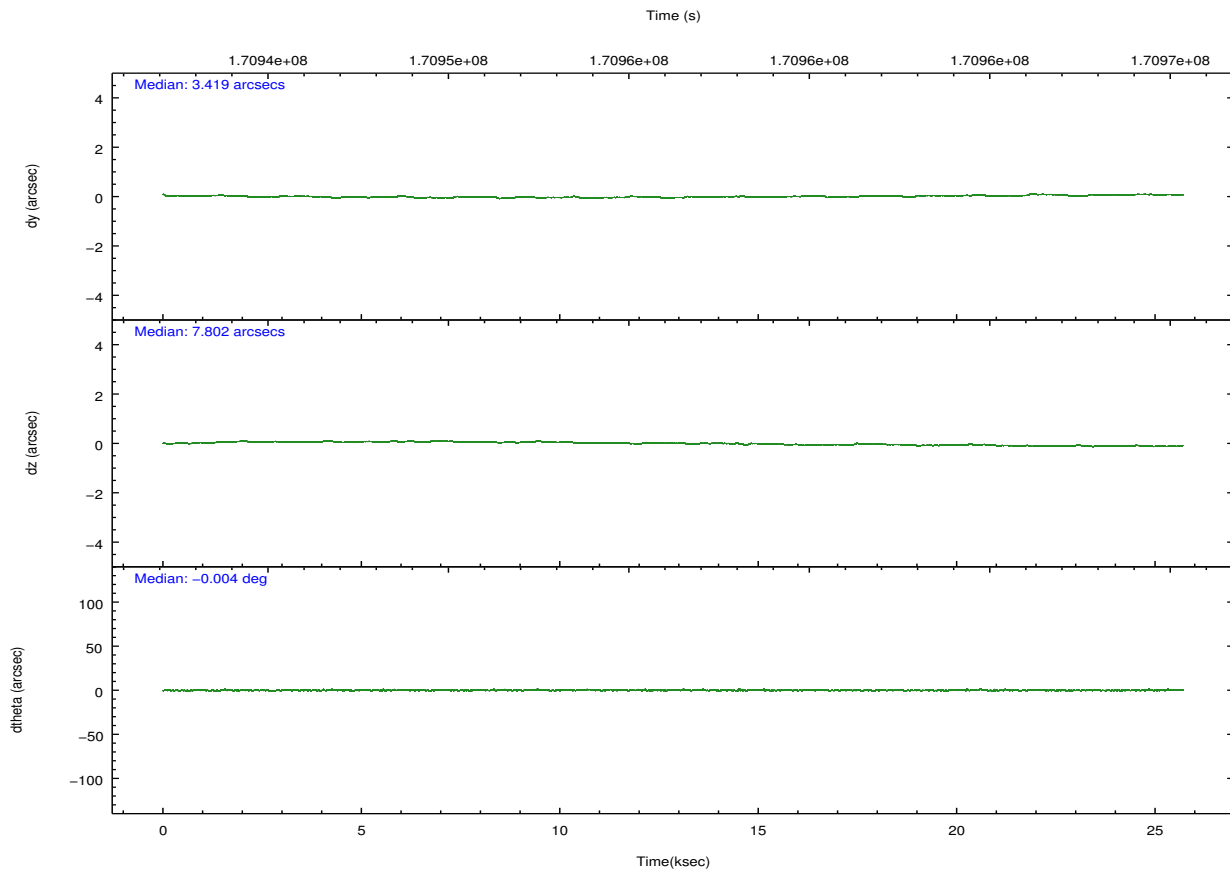
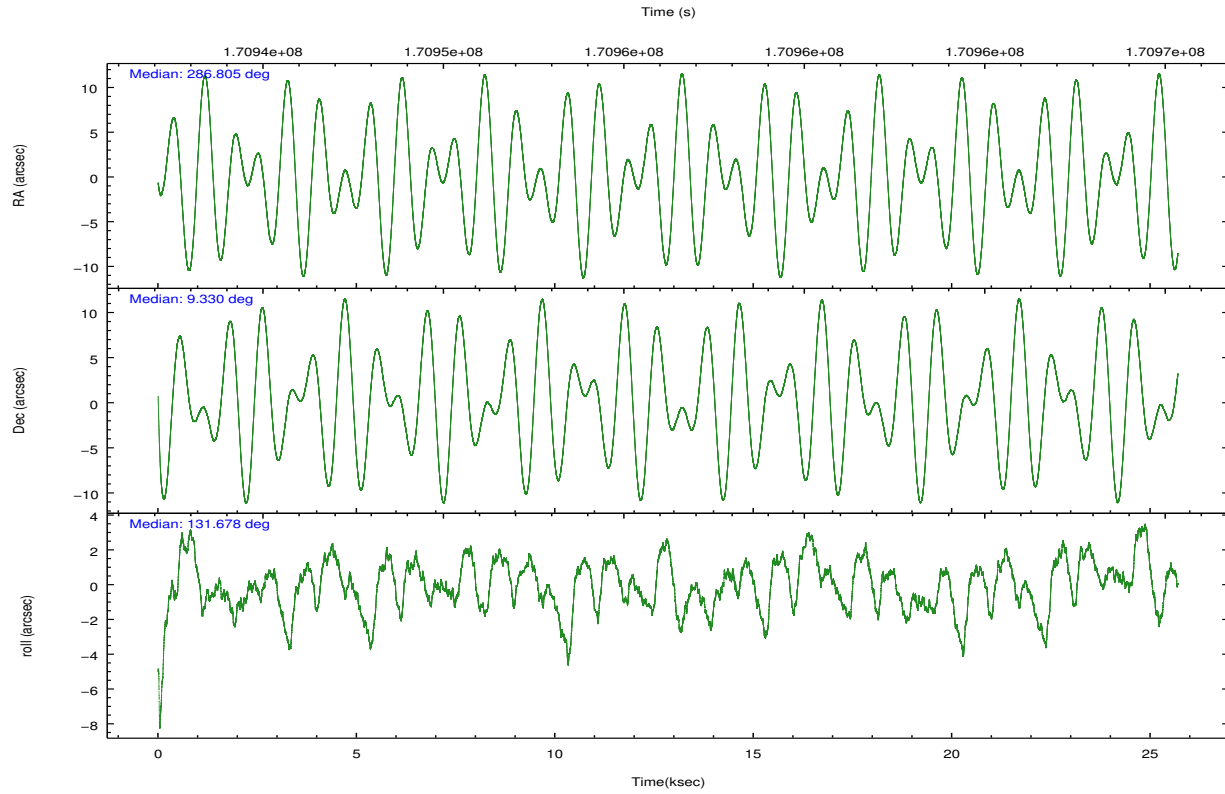
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	30957	33952	182172	34733	117045	63038	grade 0 events	3732	3722	57021	3431	10765	10305
rejected events	6026	6466	16594	6757	19067	9580		12%	10%	31%	9%	9%	16%
rejected %	19%	19%	9%	19%	16%	15%	grade 1 events	114	136	204	107	269	210
								0%	0%	0%	0%	0%	0%
							grade 2 events	9394	10706	43490	11346	24499	16970
								30%	31%	23%	32%	20%	26%
							grade 3 events	3319	4136	3341	3596	7912	6332
								10%	12%	1%	10%	6%	10%
							grade 4 events	3449	3344	3088	3451	7939	6263
								11%	9%	1%	9%	6%	9%
							grade 5 events	5569	5944	14181	6232	17591	8725
								17%	17%	7%	17%	15%	13%
							grade 6 events	5380	5964	60847	6570	48070	14233
								17%	17%	33%	18%	41%	22%
							grade 7 events	0	0	0	0	0	0
								0%	0%	0%	0%	0%	0%

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	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	286.830756	286.8044542686587	Subarray requested	NONE	NONE
[deg] Pointing Dec	9.322277	9.330450711705181	Alternating exposures requested	N	N
[deg] Pointing Roll	131.517826	131.678719389391	[s] Primary exposure time	0.000000	0
[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)	170944078.184000	170942858.20978			
Observation start date	2003-06-02T12:26:54	2003-06-02T12:07:38			
[s] Observation end time (MET)	170969078.184000	170969767.53592			
Observation end date	2003-06-02T19:23:34	2003-06-02T19:36:07			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



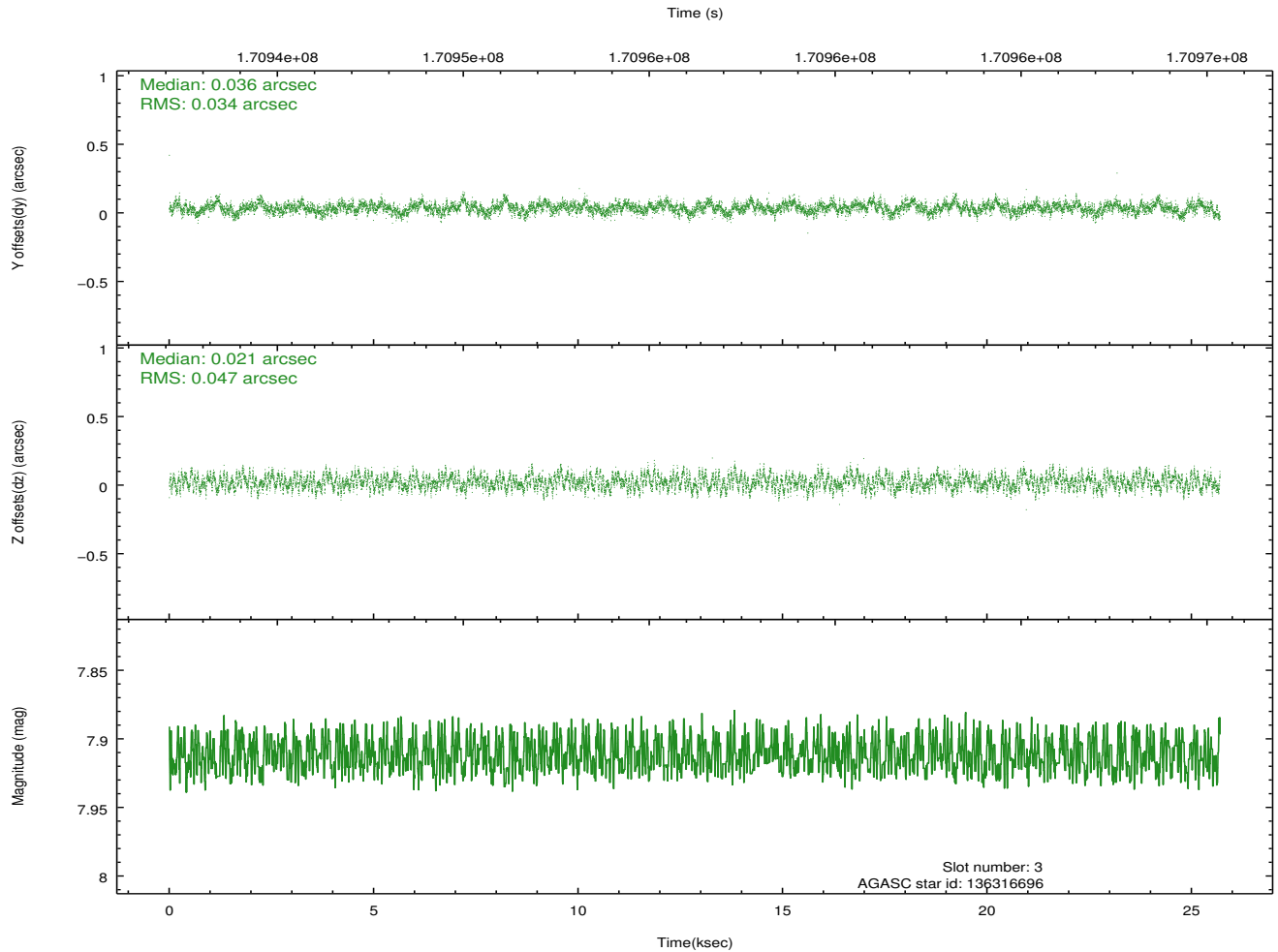
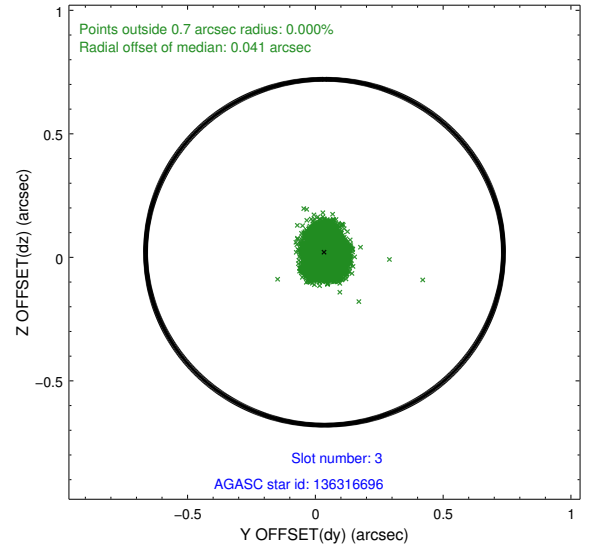
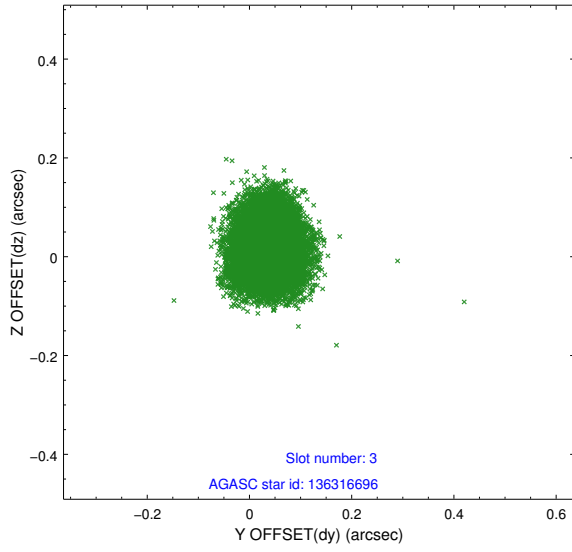


Slot Statistics

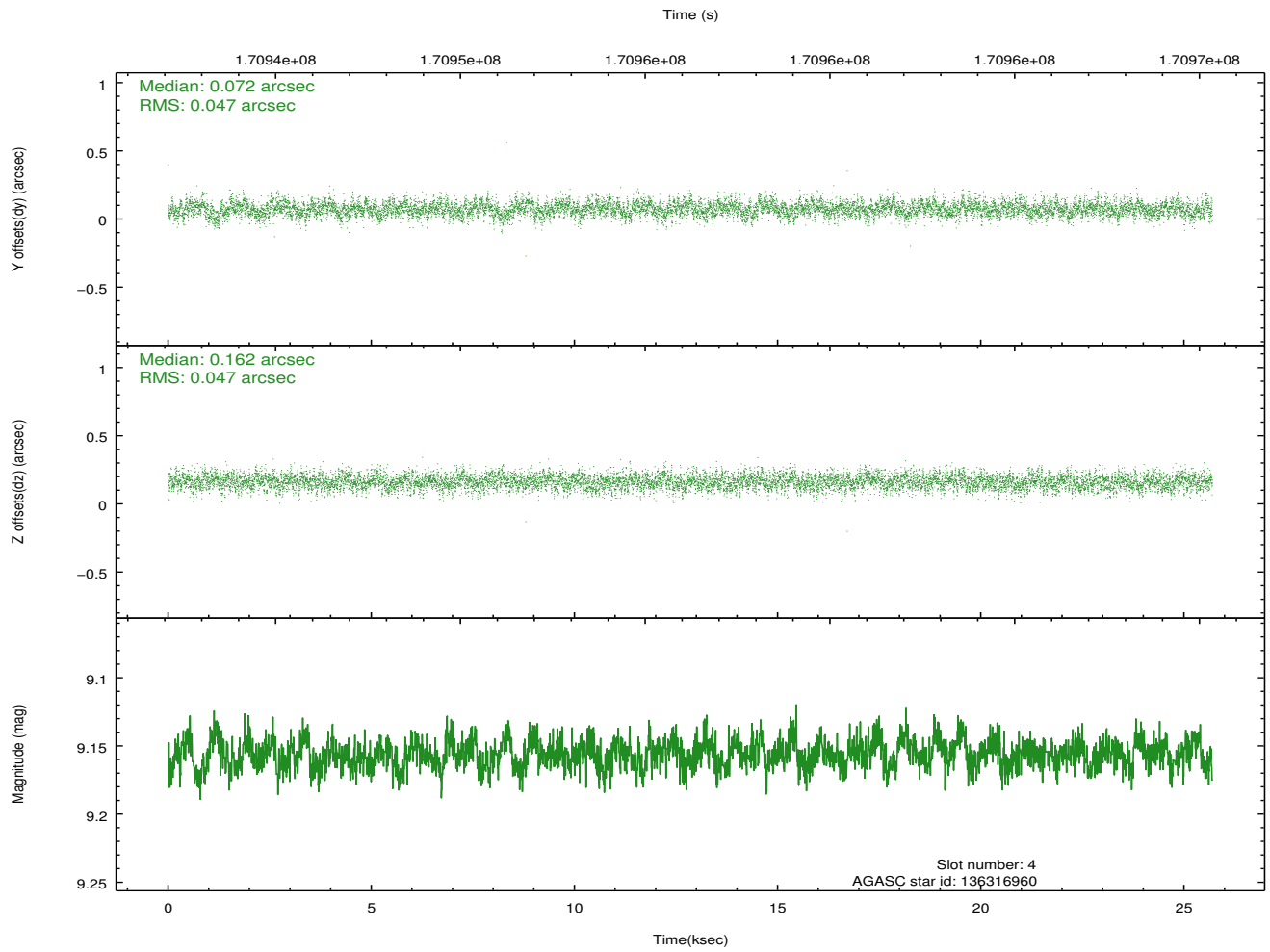
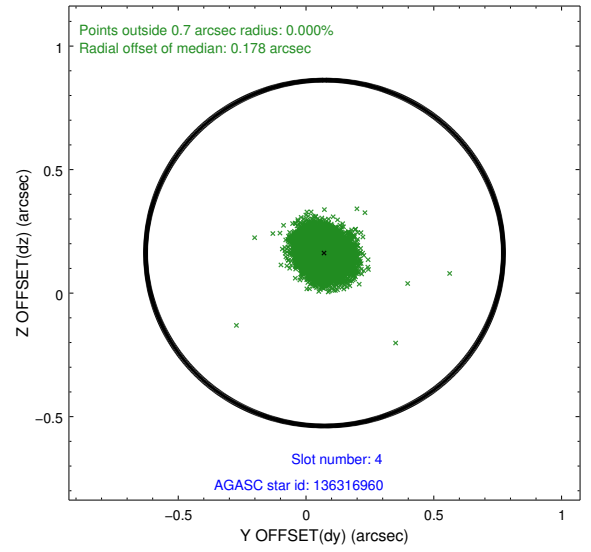
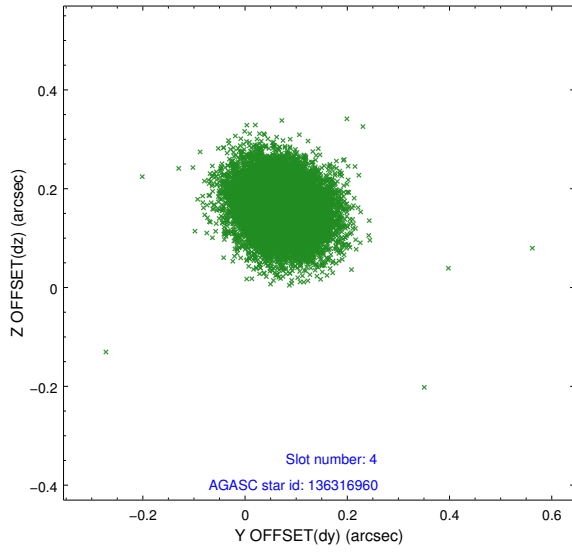
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	6268	0.042	-0.041	0.008	0.014	0.000000	0.000000	939.96	-1724.67
1	FID	ACIS-S-4	7.20	6268	0.007	0.013	0.007	0.012	0.000000	0.000000	2157.42	179.41
2	FID	ACIS-S-5	7.24	6268	-0.075	0.041	0.007	0.012	0.000000	0.000000	-1808.85	173.22
3	GUIDE	136316696	7.91	12534	0.036	0.021	0.062	0.099	287.190166	9.367792	-722.52	-1064.74
4	GUIDE	136316960	9.16	12532	0.072	0.162	0.071	0.114	287.104881	9.133555	-1153.92	-279.29
5	GUIDE	136317344	9.24	12527	0.116	-0.117	0.076	0.124	287.032148	8.921467	-1554.66	419.96
6	GUIDE	136845056	9.49	12526	0.016	0.031	0.087	0.142	286.321553	9.661191	2112.61	543.72
7	GUIDE	136845920	7.22	12530	-0.244	-0.098	0.045	0.076	286.285607	9.642131	2146.04	684.56

2.4 Star Slots

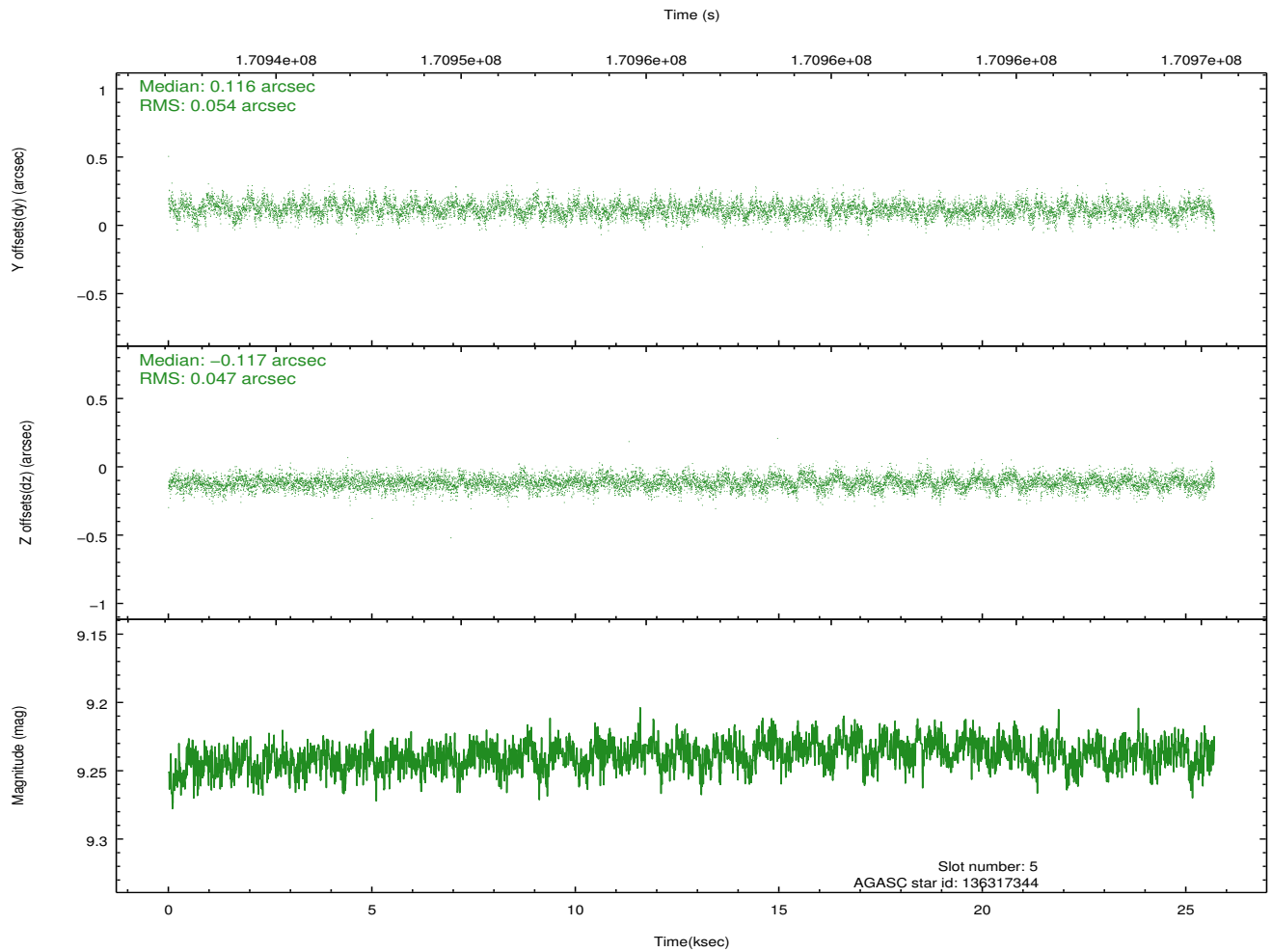
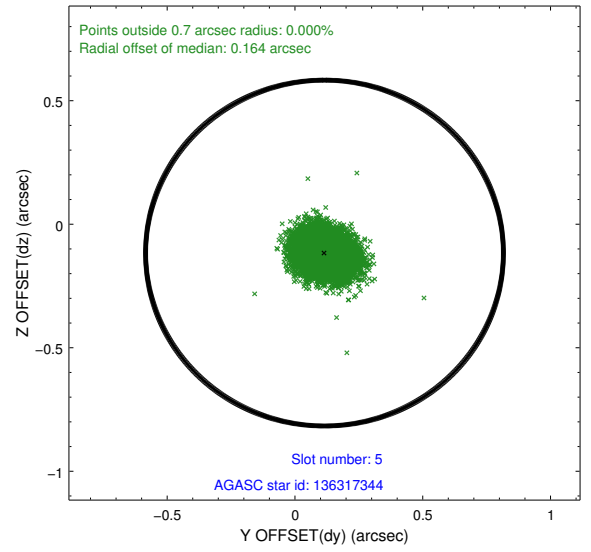
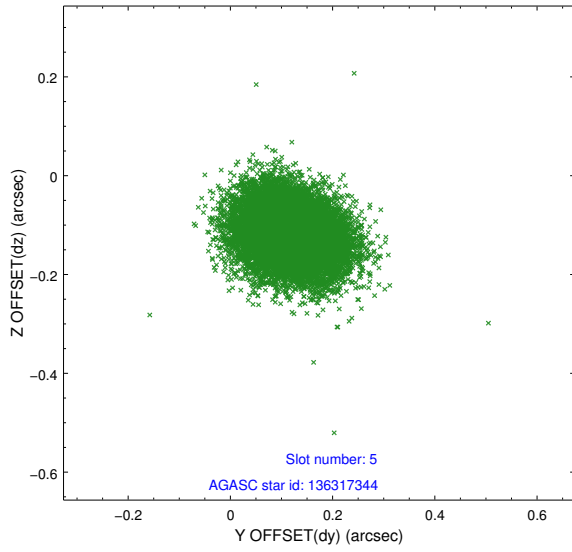
2.4.1 Slot 3



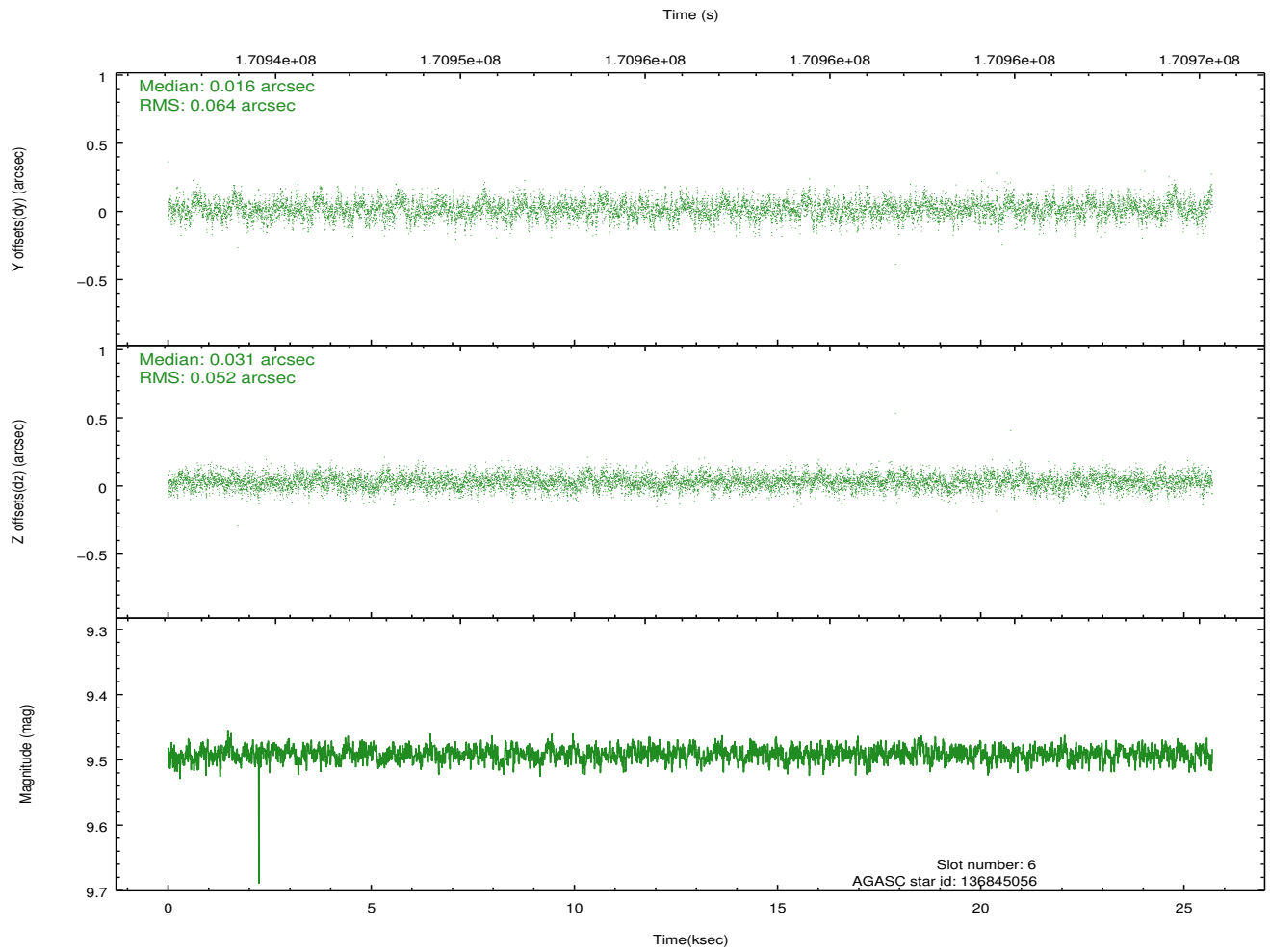
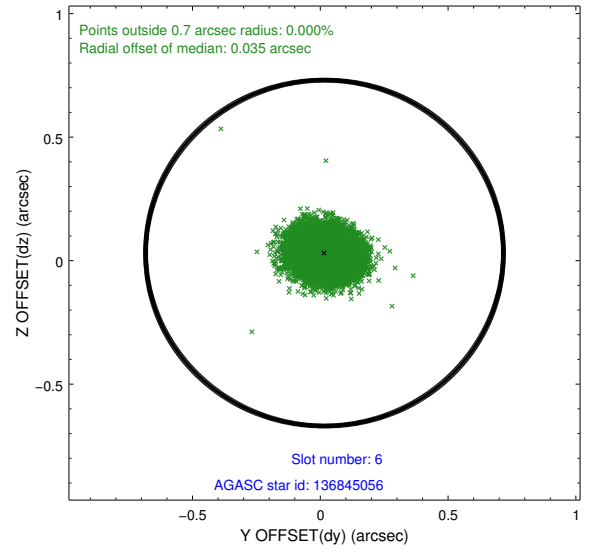
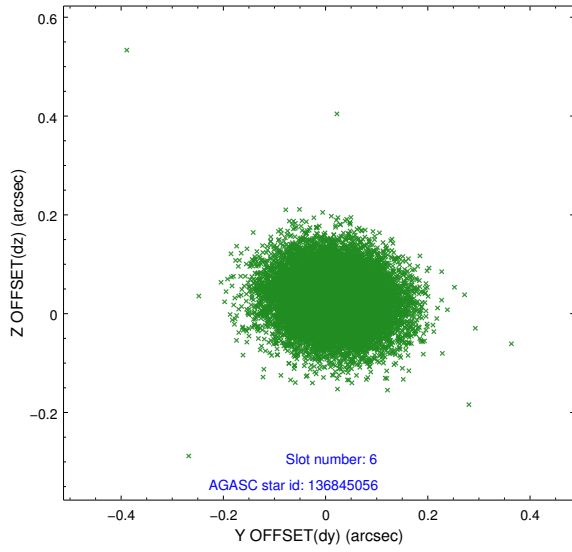
2.4.2 Slot 4



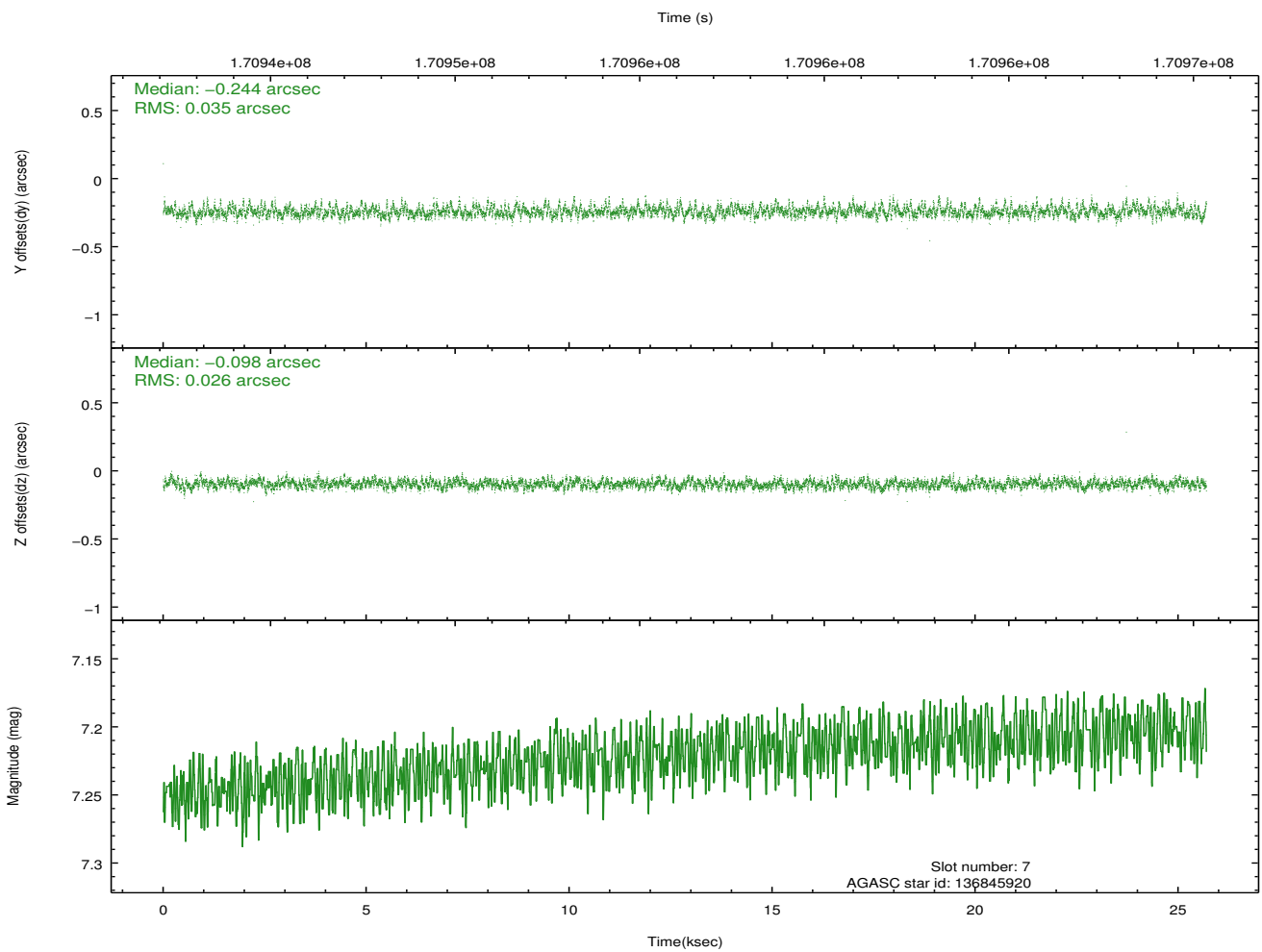
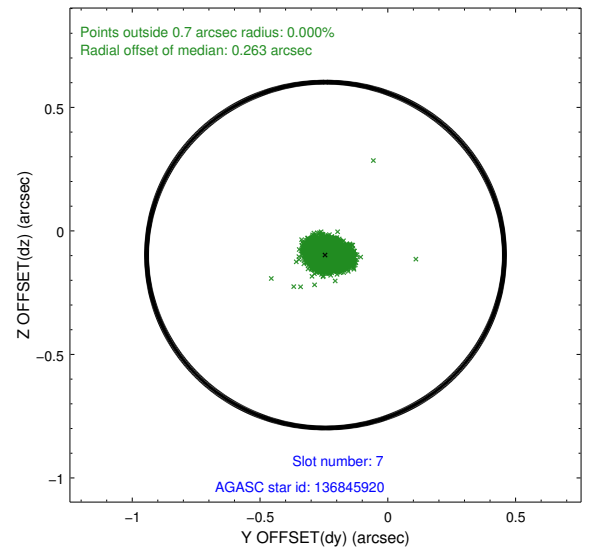
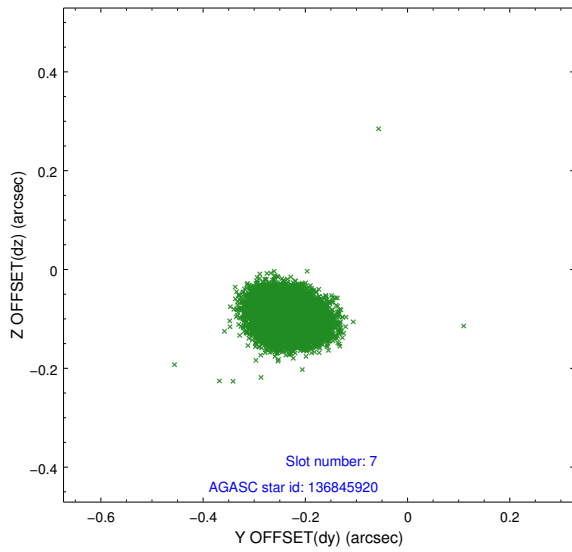
2.4.3 Slot 5



2.4.4 Slot 6

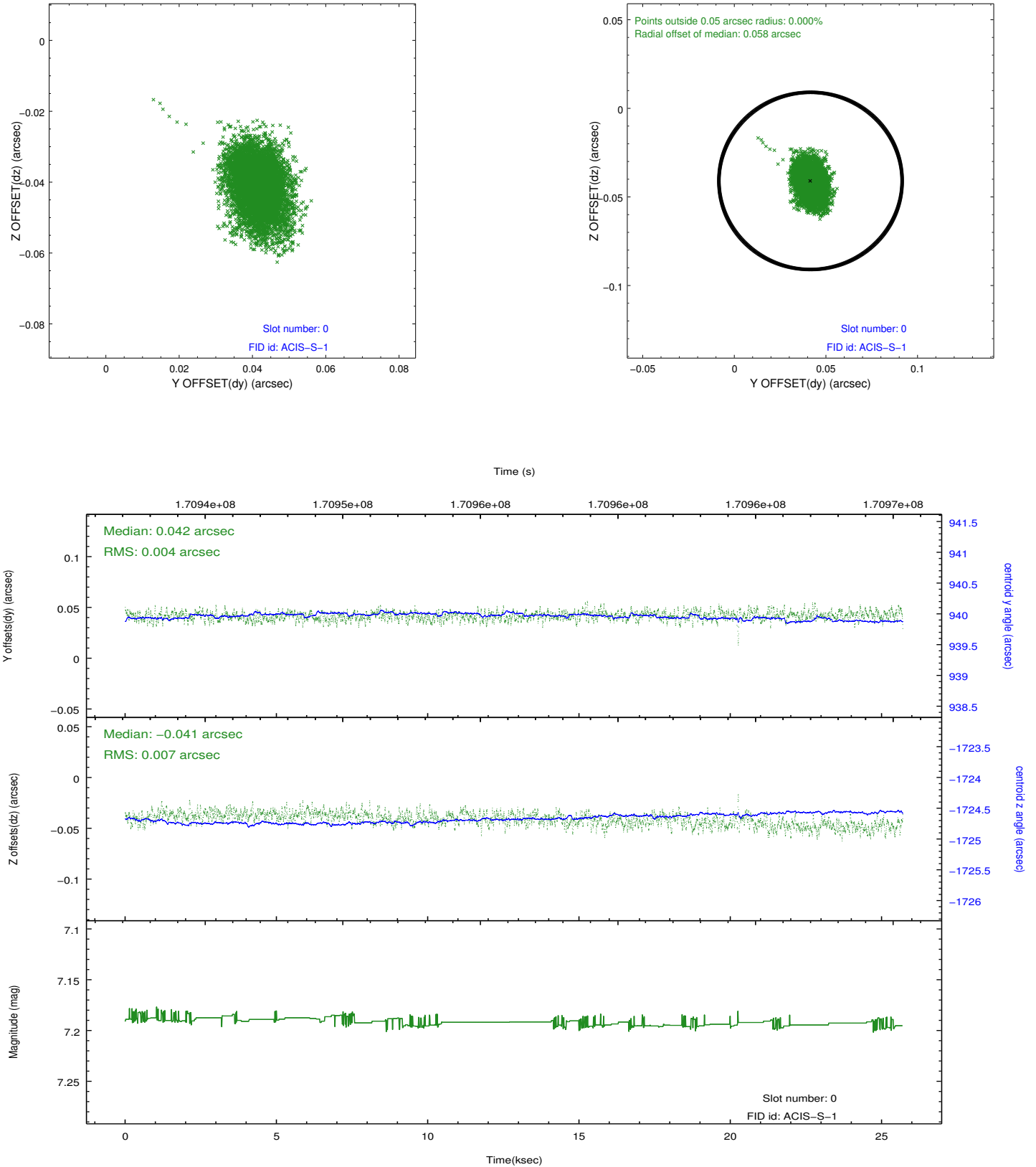


2.4.5 Slot 7

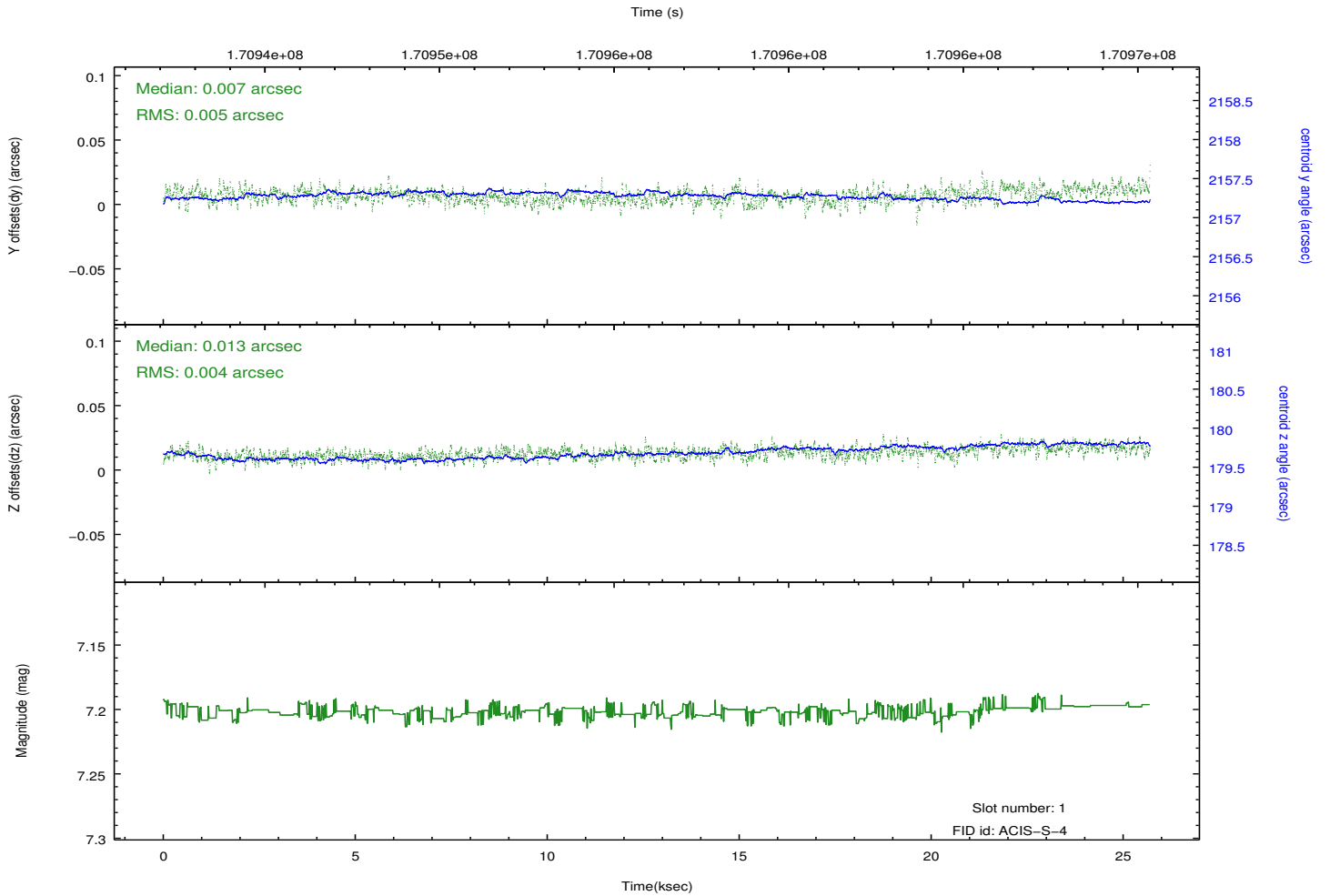
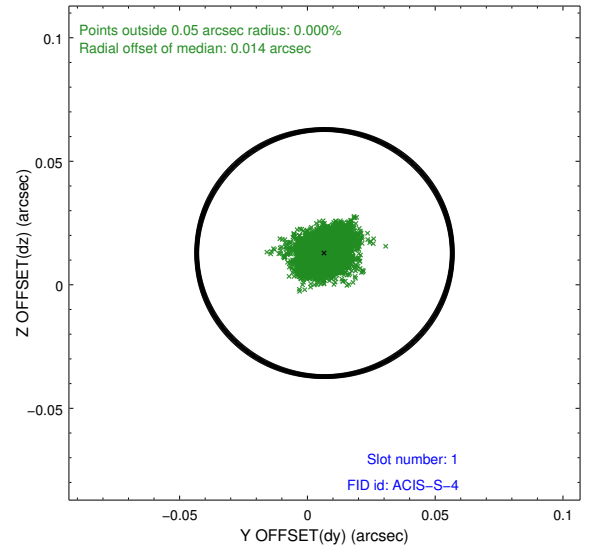
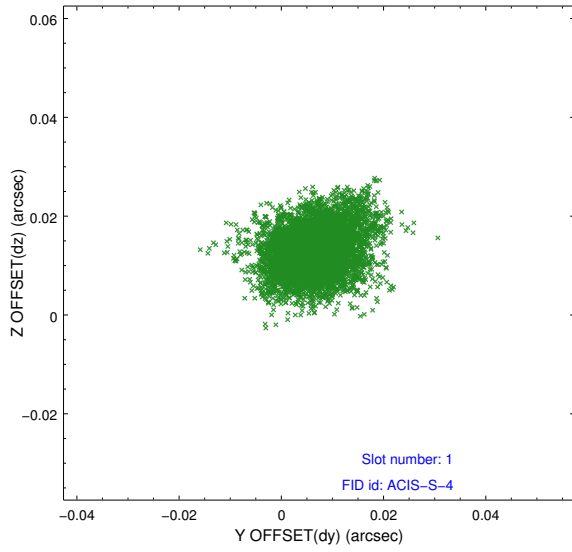


2.5 FID Slots

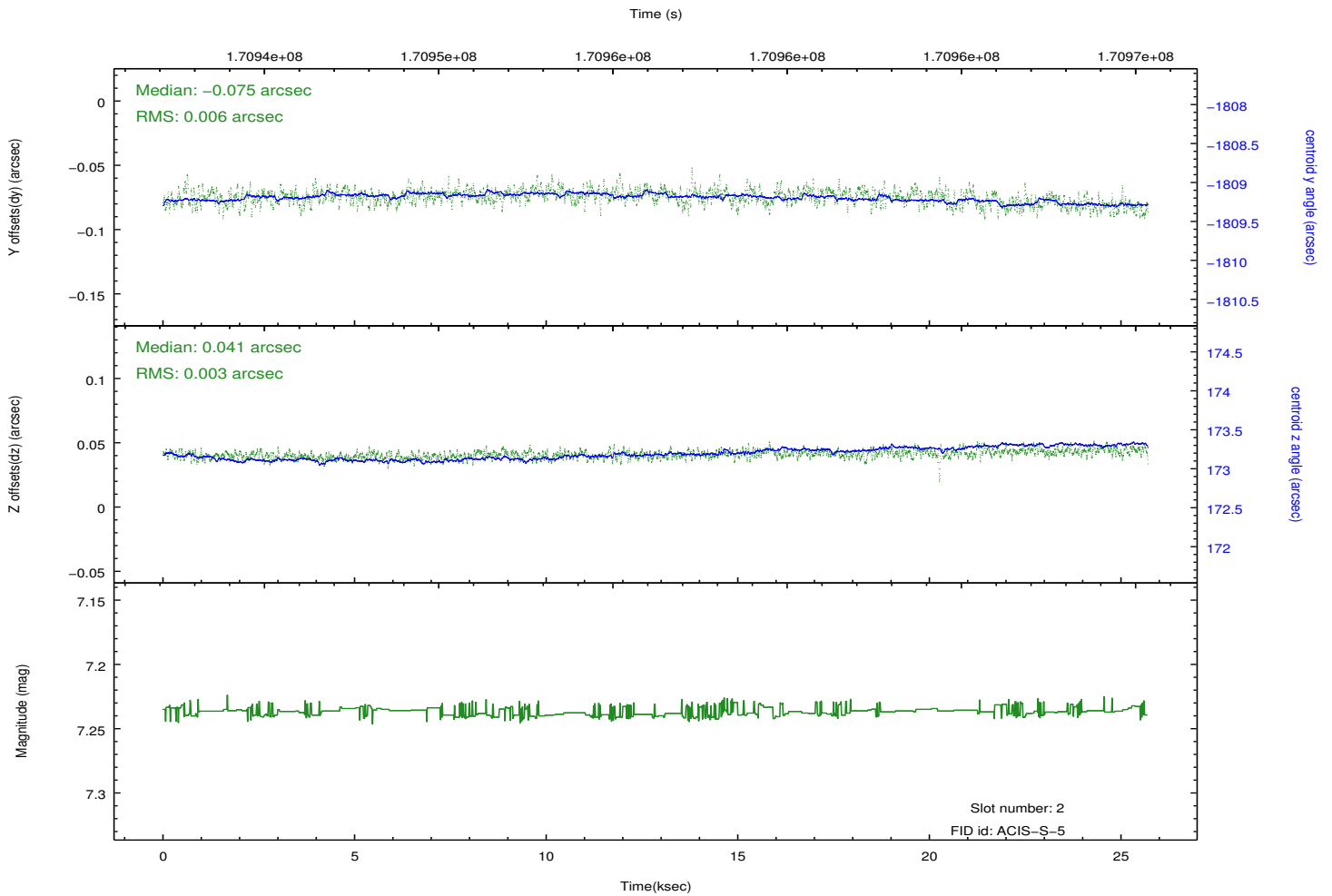
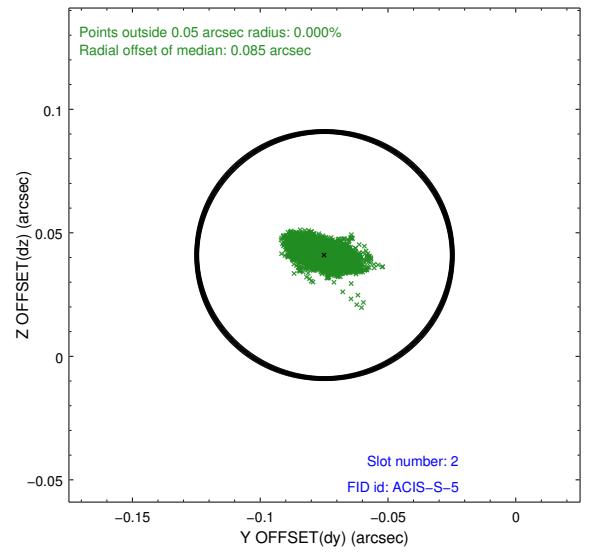
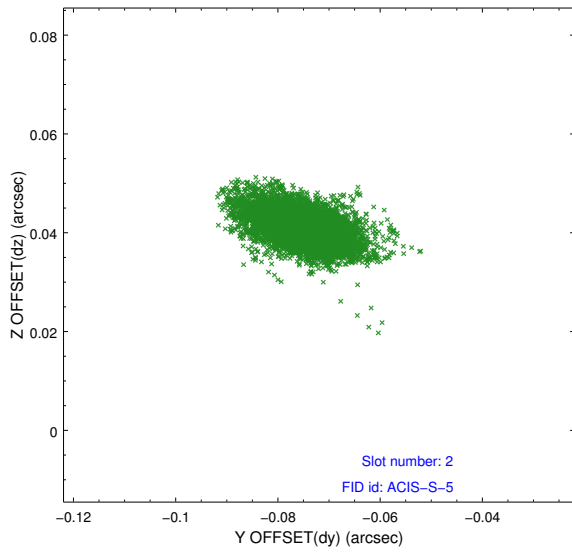
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.696

A.2 Comments