

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12682 - L2 Version 2
Chandra X-Ray Center

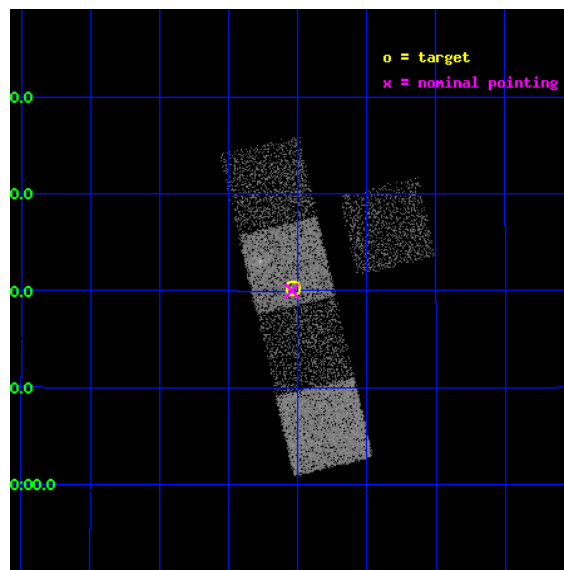
L2 Processing Date : Jul 4 2012

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1 Front

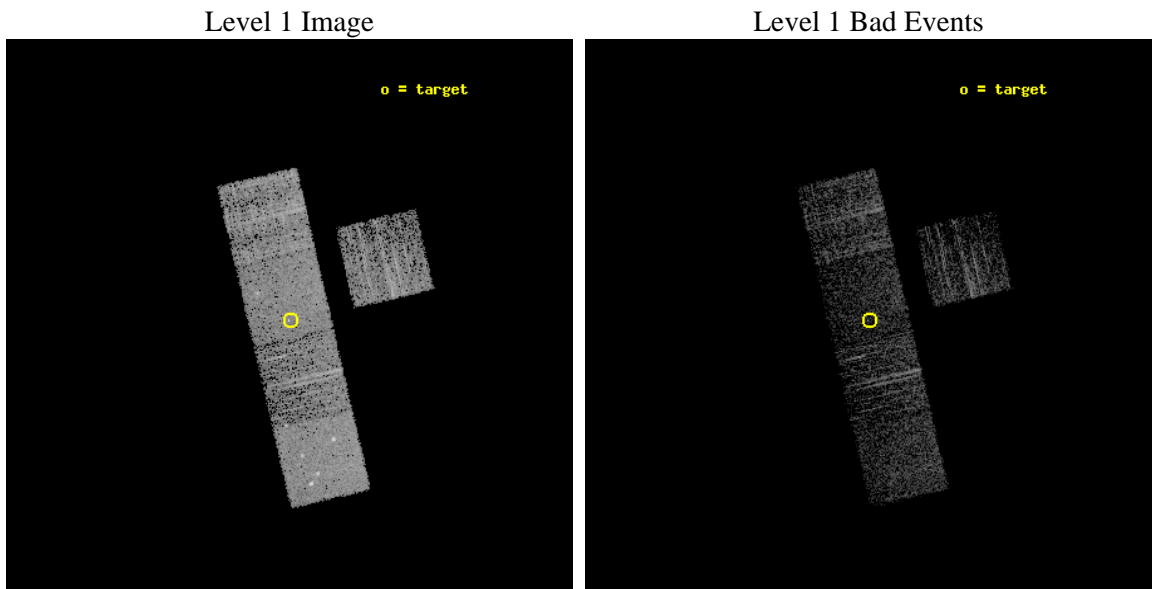
seq_num	501515	Sequence number
obs_id	12682	Observation id
title	Completing Identification of the Nearest and Brightest Neutron Stars	
observer	Prof. Derek Fox	Principal investigator
object	1RXSJ230334.0+152019	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	345.884167	Observer's specified target RA [deg]
dec_targ	15.338083	Observer's specified target Dec [deg]
ra_nom	345.88580099518	Nominal RA [deg]
dec_nom	15.333272705494	Nominal Dec [deg]
roll_nom	256.88080785306	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2036.7000156641	Sum of GTIs [s]
livetime	2010.0890305627	Livetime [s]
ontime3	2036.7000156641	Sum of GTIs [s]
ontime5	2036.7000156641	Sum of GTIs [s]
ontime6	2036.7000156641	Sum of GTIs [s]
ontime7	2036.7000156641	Sum of GTIs [s]
ontime8	2036.7000156641	Sum of GTIs [s]
l2events	24153	Number of level 2 events



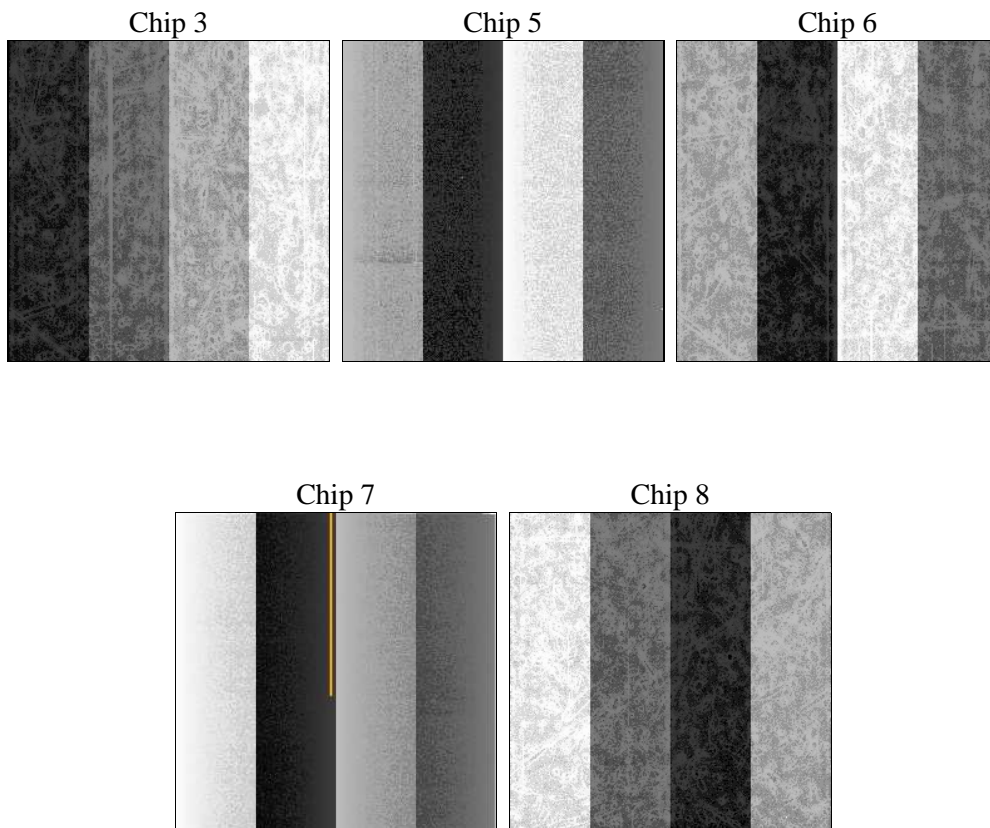
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2036.7000156641	Sum of GTIs [s]
caldbver	4.5.0	 	ontime3	2036.7000156641	Sum of GTIs [s]
date	2012-07-04T15:46:09	Date and time of file creation	ontime5	2036.7000156641	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2036.7000156641	Sum of GTIs [s]
			ontime7	2036.7000156641	Sum of GTIs [s]
			ontime8	2036.7000156641	Sum of GTIs [s]
			l1events	95109	Number of level 1 events

2.1.4 Events

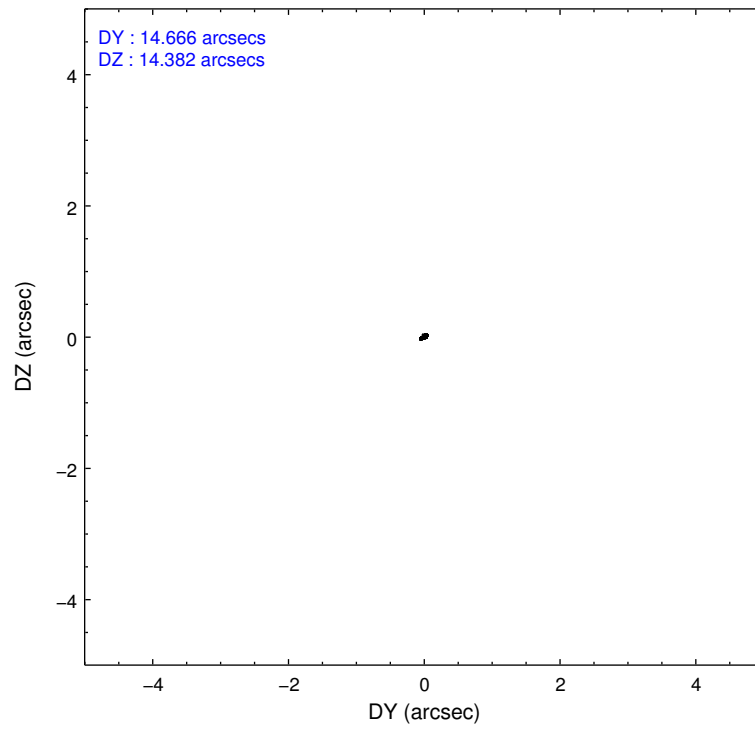
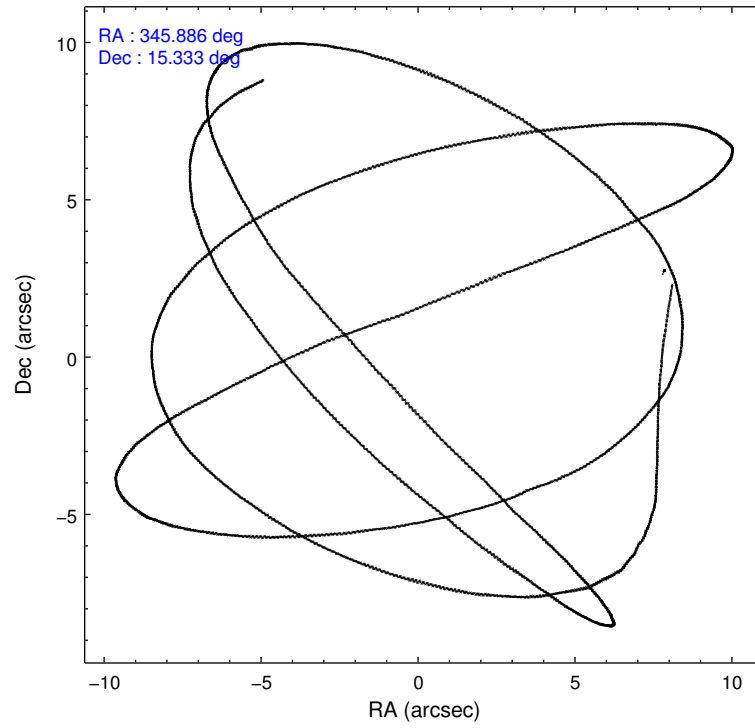
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	14557	24363	15217	19559	21413
rejected events	13067	12086	13476	10453	16188
rejected %	89%	49%	88%	53%	75%

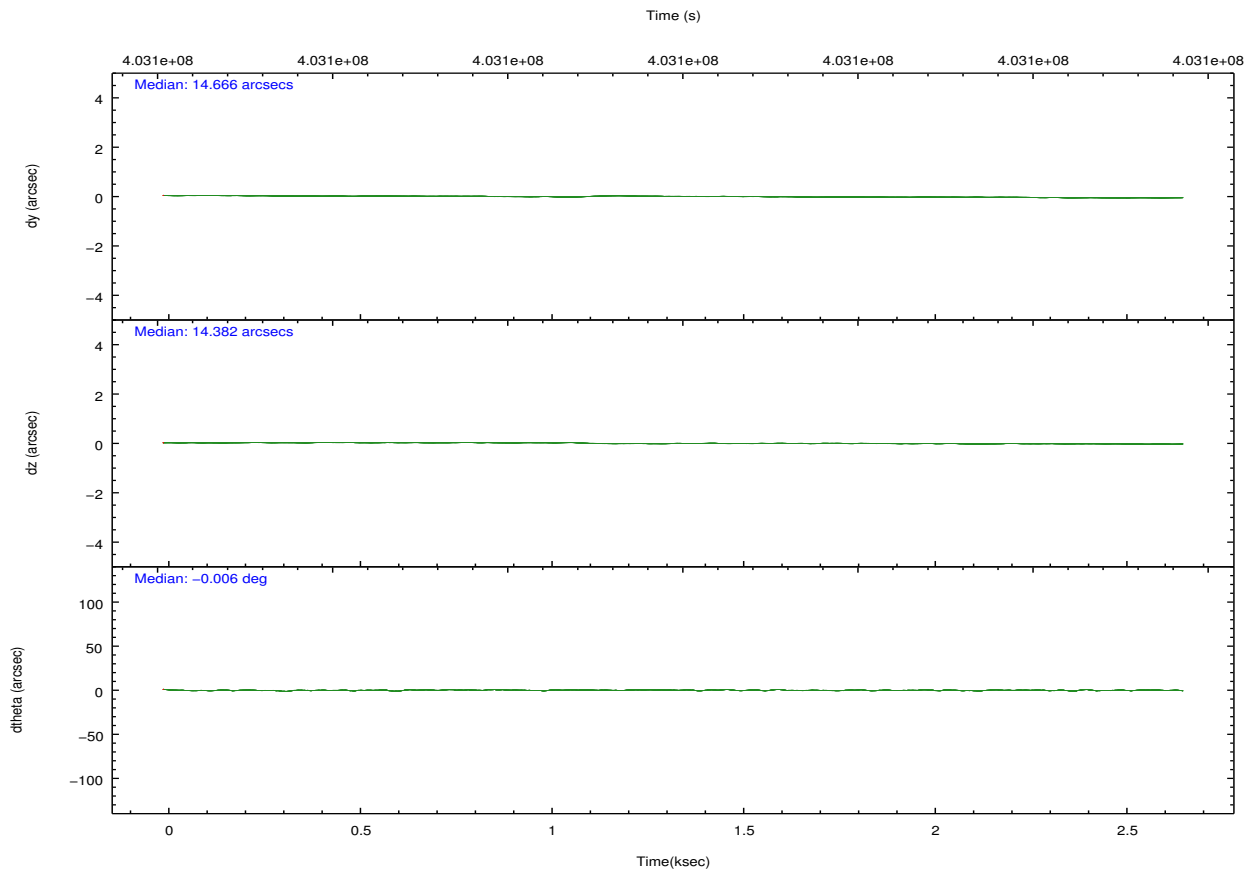
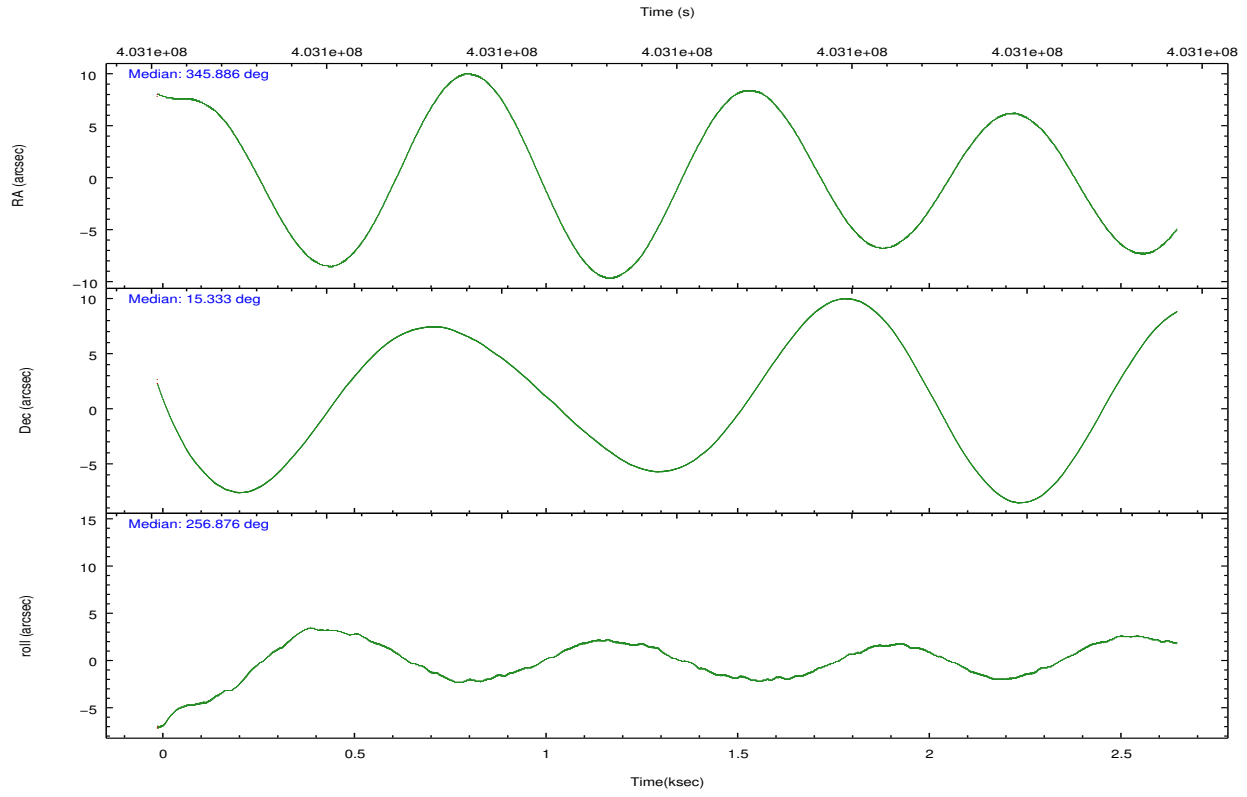
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	530	1868	634	907	1415
	3%	7%	4%	4%	6%
grade 1 events	16	72	11	31	25
	0%	0%	0%	0%	0%
grade 2 events	310	3586	348	1921	1178
	2%	14%	2%	9%	5%
grade 3 events	191	431	184	824	582
	1%	1%	1%	4%	2%
grade 4 events	153	440	192	842	551
	1%	1%	1%	4%	2%
grade 5 events	647	1719	664	1938	1014
	4%	7%	4%	9%	4%
grade 6 events	310	5969	386	4637	1503
	2%	24%	2%	23%	7%
grade 7 events	12400	10278	12798	8459	15145
	85%	42%	84%	43%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	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	345.877167	345.8858009951786	CCD I2 on	N	N
[deg] Pointing Dec	15.359536	15.33327270549409	CCD I3 on	Y	Y
[deg] Pointing Roll	256.726477	256.880807853064	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	403098791.184000	403097626.11771	CCD S5 on	N	N
Observation start date	2010-10-10T11:52:05	2010-10-10T11:33:46	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	403100791.184000	403101714.84292	On-chip summing requested	N	N
Observation end date	2010-10-10T12:25:25	2010-10-10T12:41:54	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



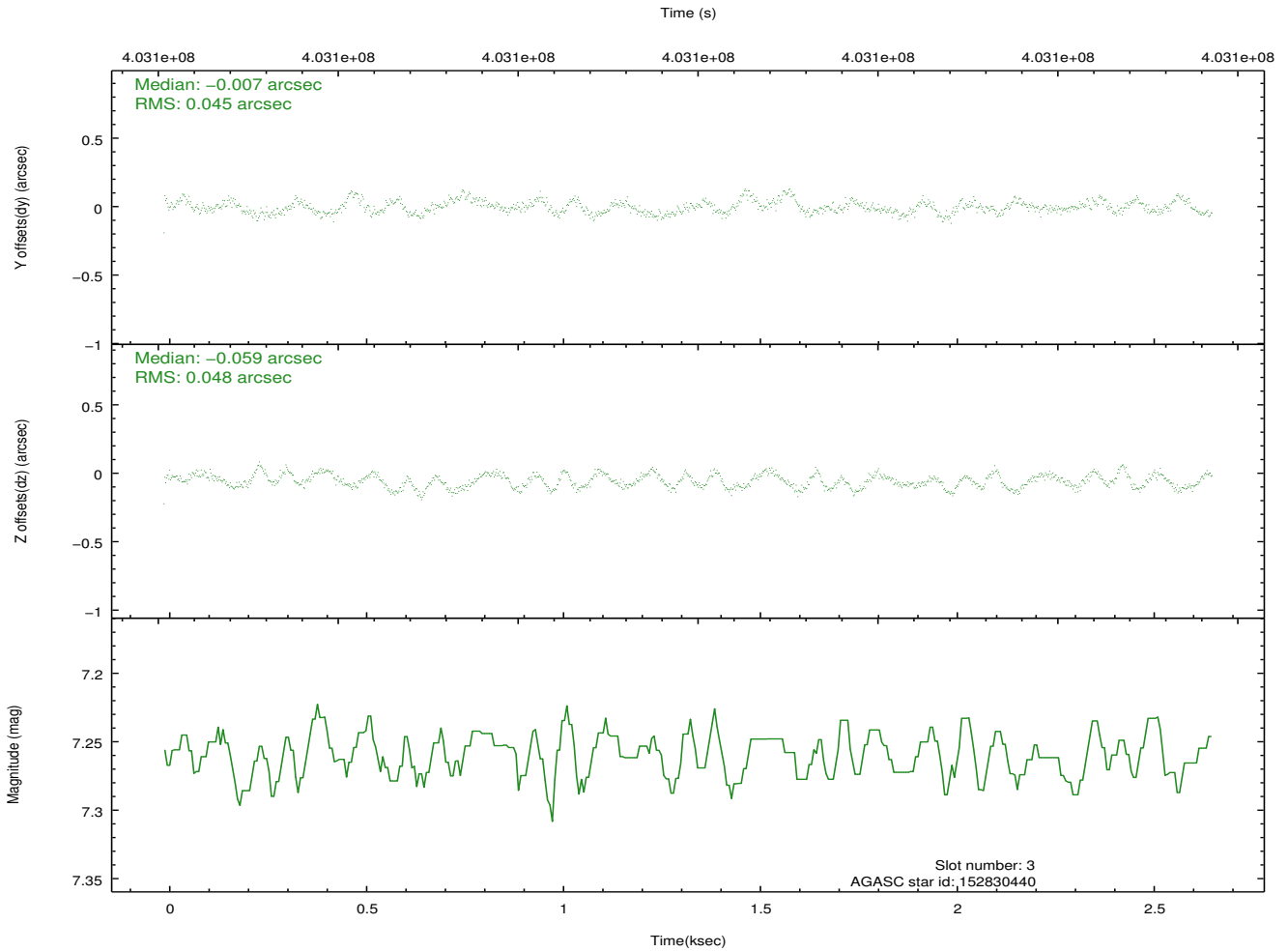
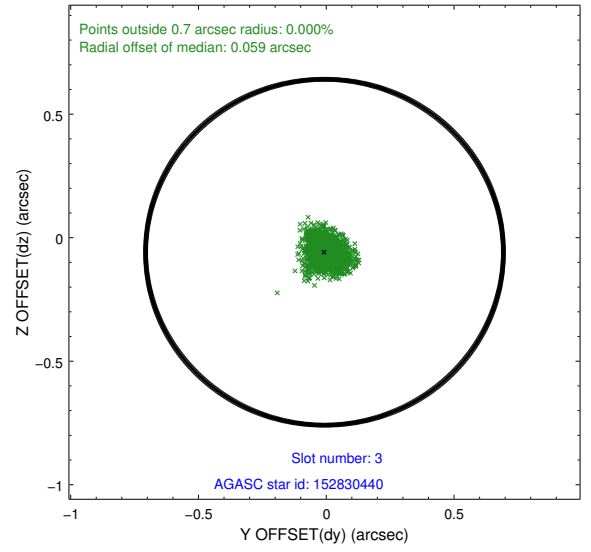
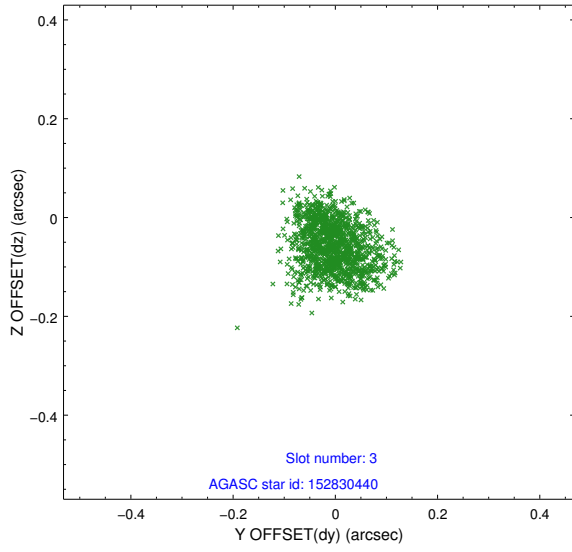


Slot Statistics

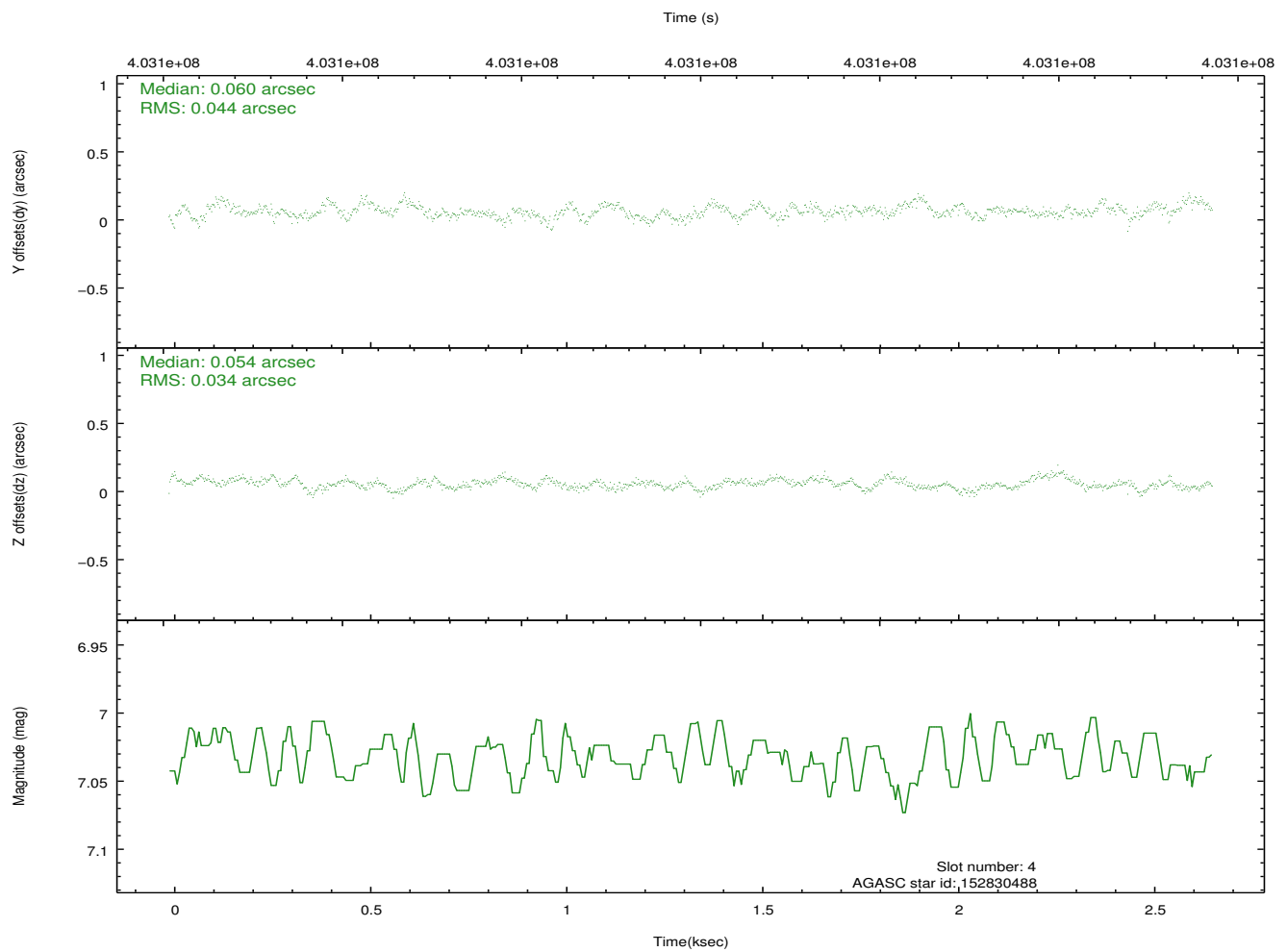
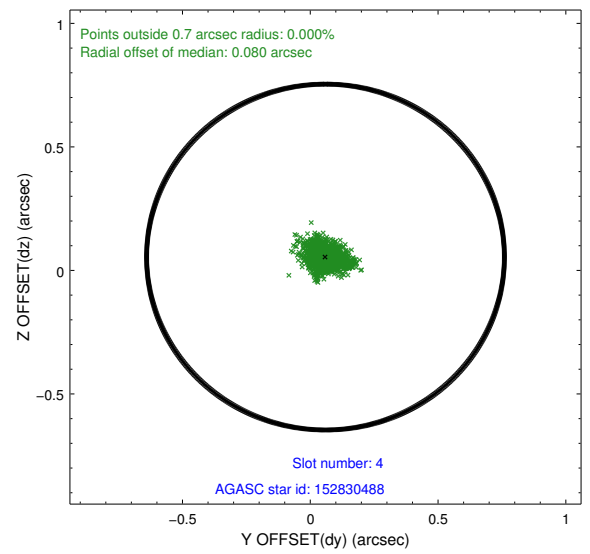
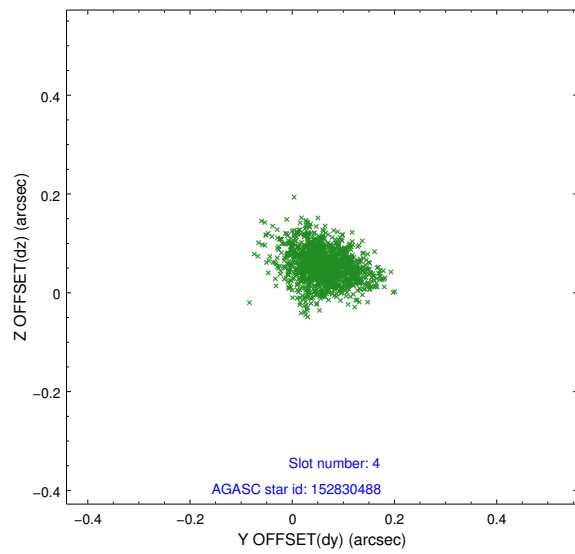
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.06	650	0.068	-0.032	0.006	0.010	0.000000	0.000000	928.50	-1731.40
1	FID	ACIS-S-5	7.10	650	-0.165	0.035	0.007	0.011	0.000000	0.000000	-1819.40	163.69
2	FID	ACIS-S-6	7.22	650	0.077	0.008	0.007	0.011	0.000000	0.000000	391.41	810.38
3	GUIDE	152830440	7.26	1299	-0.007	-0.059	0.070	0.109	346.387673	14.959059	992.94	2058.74
4	GUIDE	152830488	7.03	1299	0.060	0.054	0.058	0.099	345.338337	14.870800	2141.32	-1420.19
5	GUIDE	152830992	8.57	1298	-0.057	-0.070	0.076	0.124	346.394287	14.721521	1821.14	2278.08
6	GUIDE	224265448	8.16	1299	-0.048	0.144	0.070	0.110	345.823973	16.019010	-2267.53	-722.33
7	GUIDE	224275200	8.50	1298	0.043	-0.070	0.082	0.134	345.434428	15.954520	-1736.65	-1983.78

2.4 Star Slots

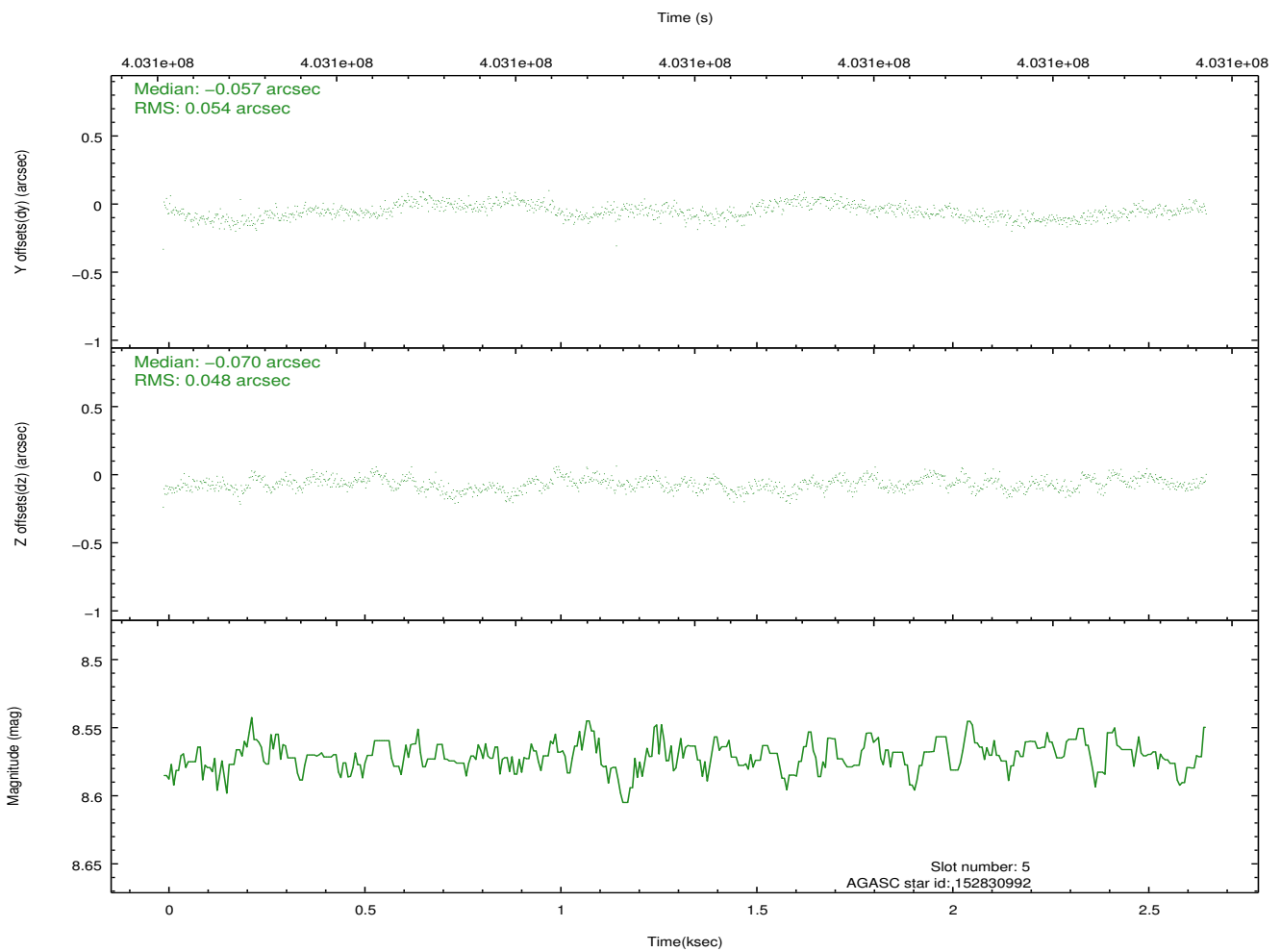
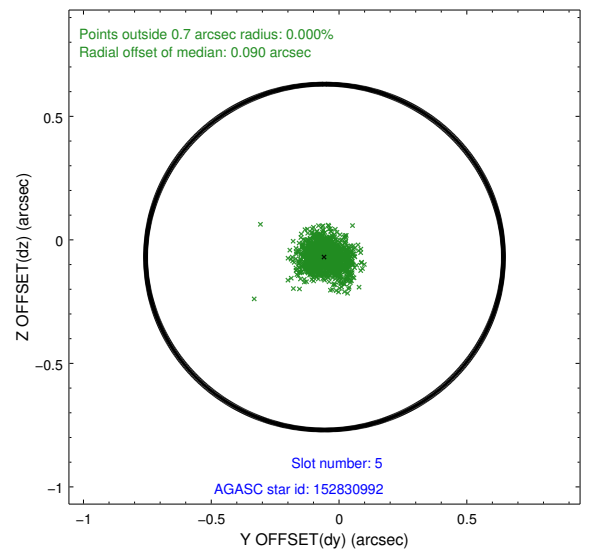
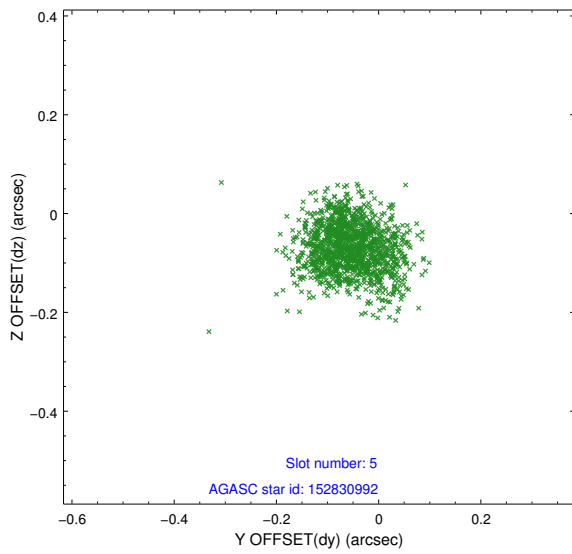
2.4.1 Slot 3



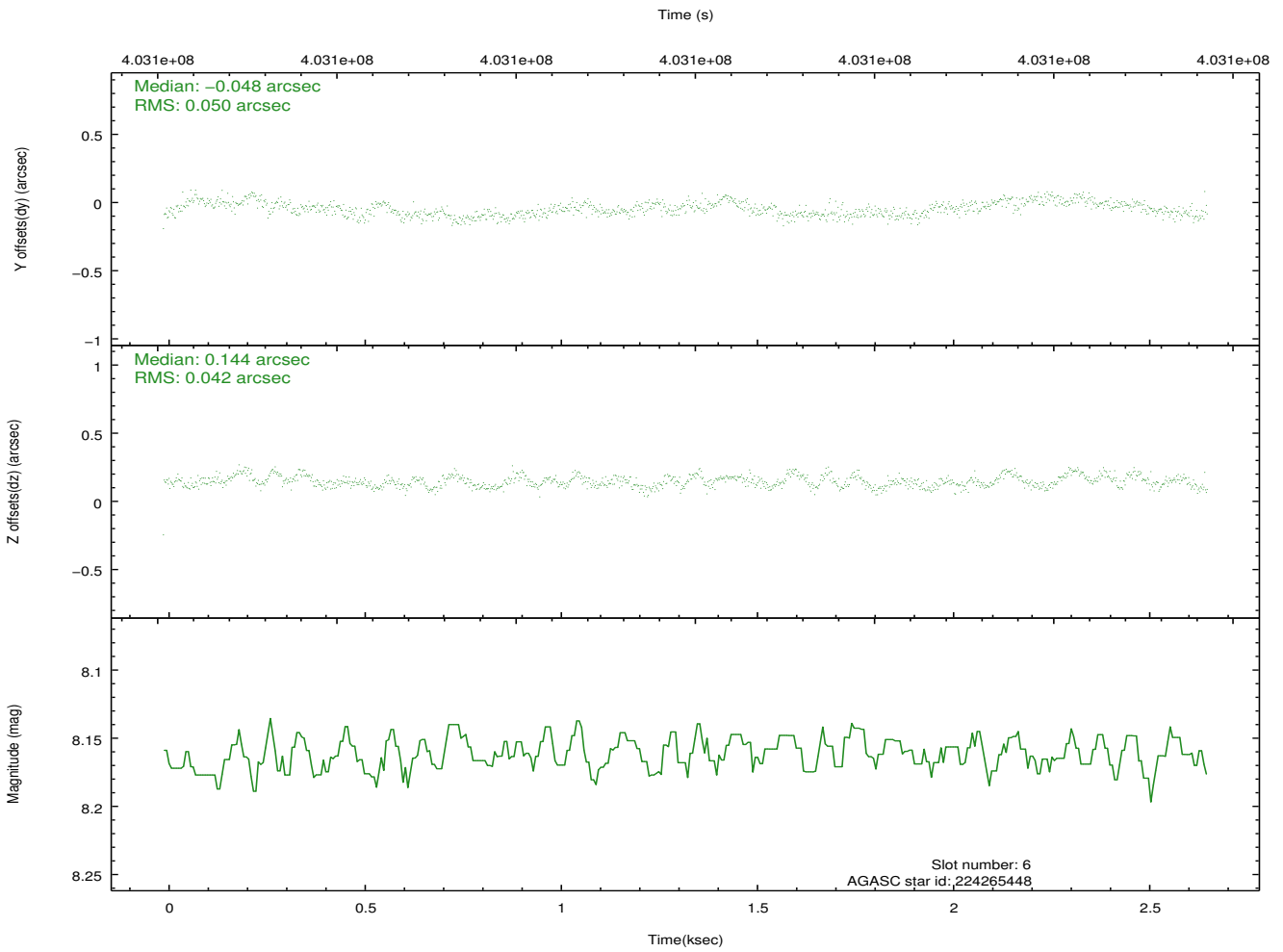
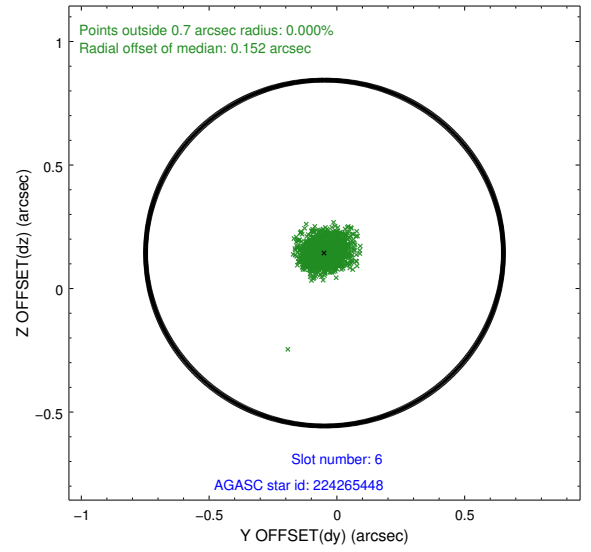
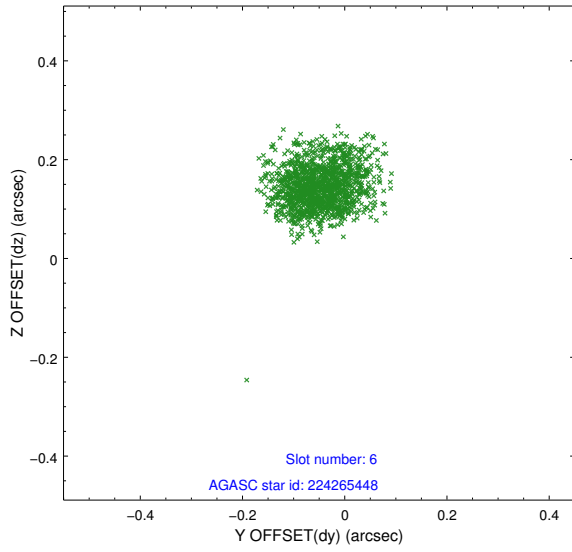
2.4.2 Slot 4



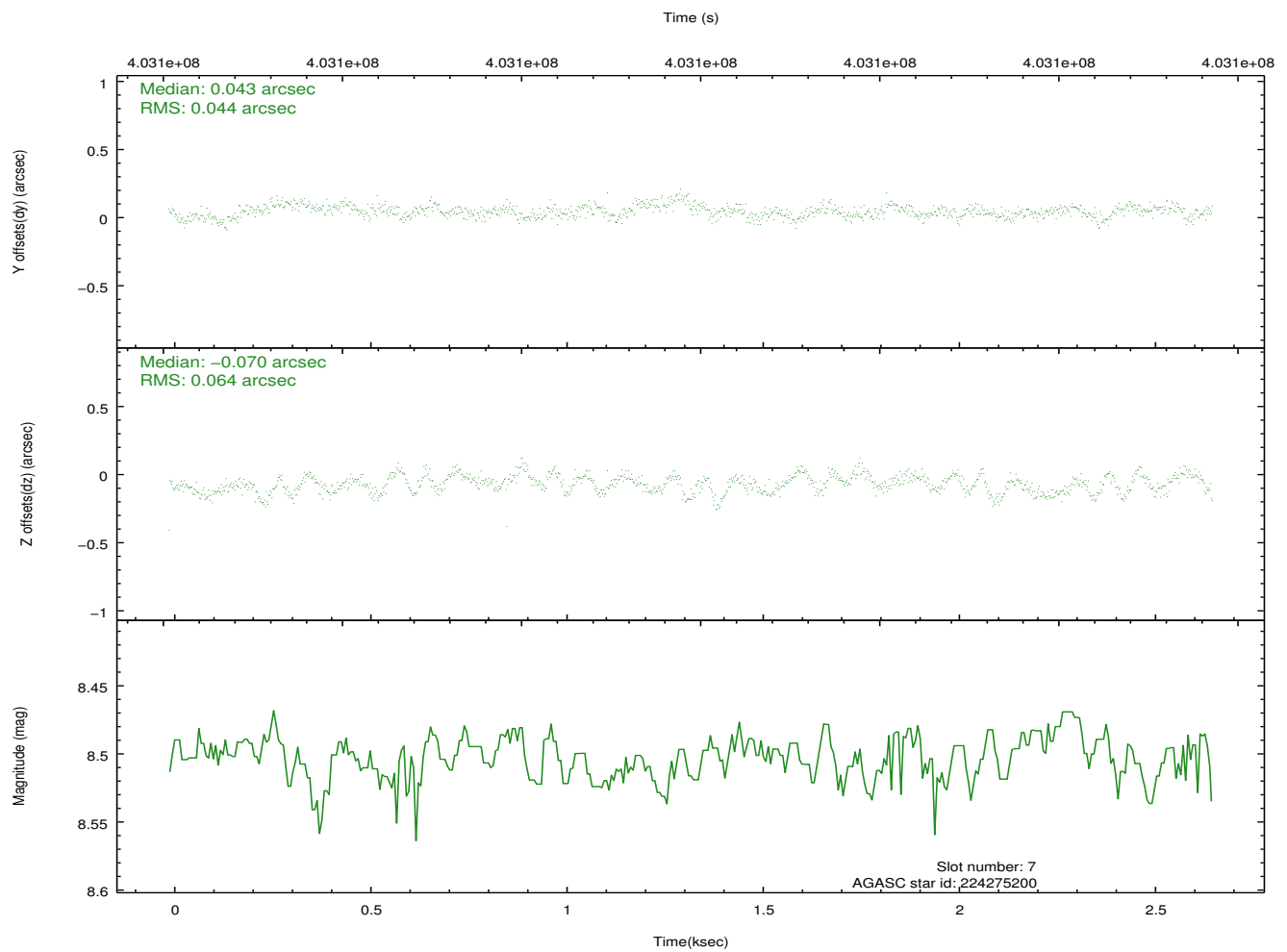
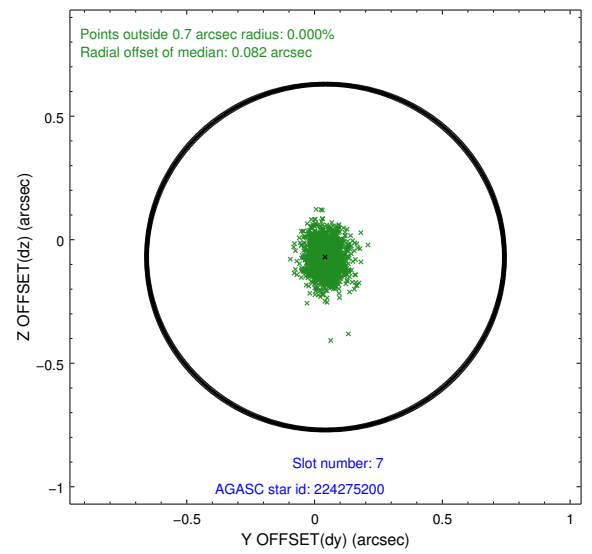
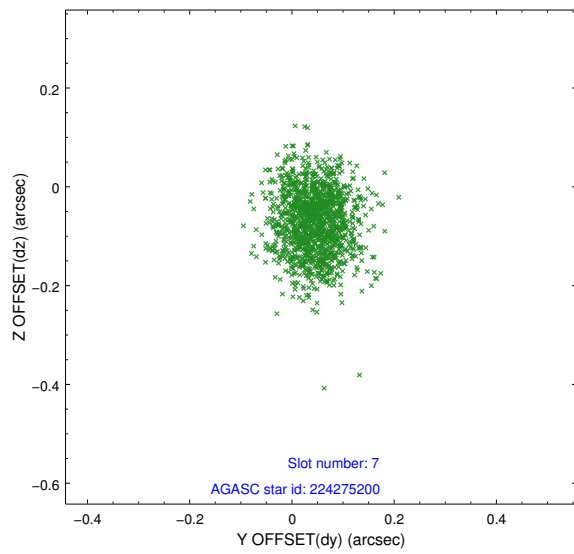
2.4.3 Slot 5



2.4.4 Slot 6

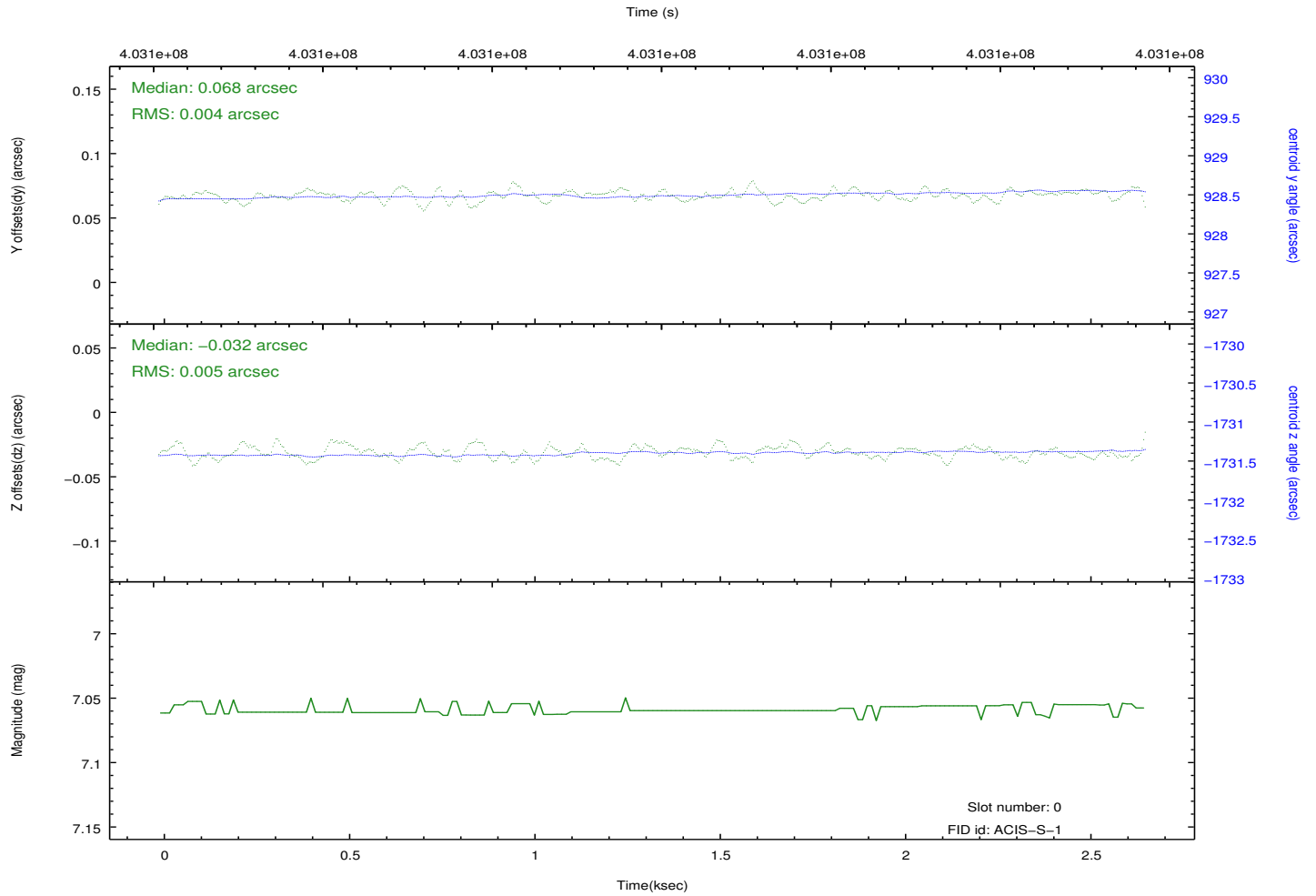
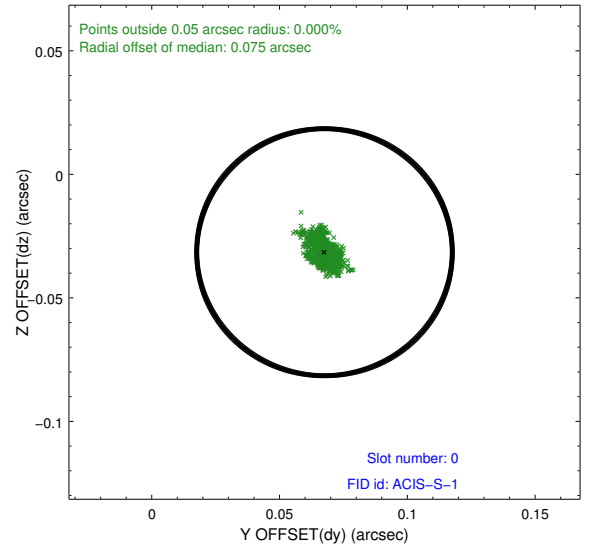
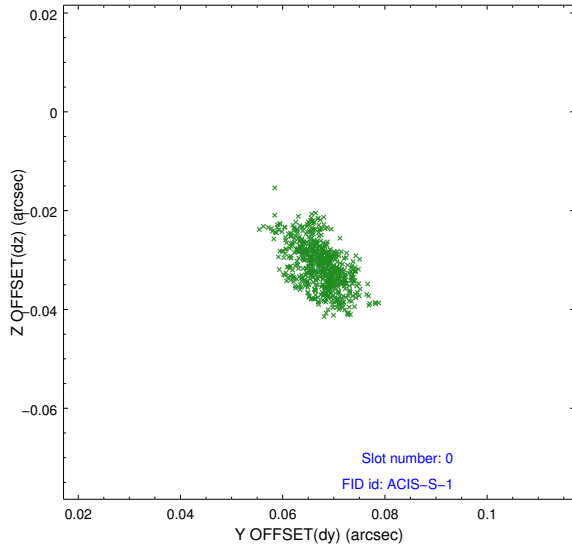


2.4.5 Slot 7

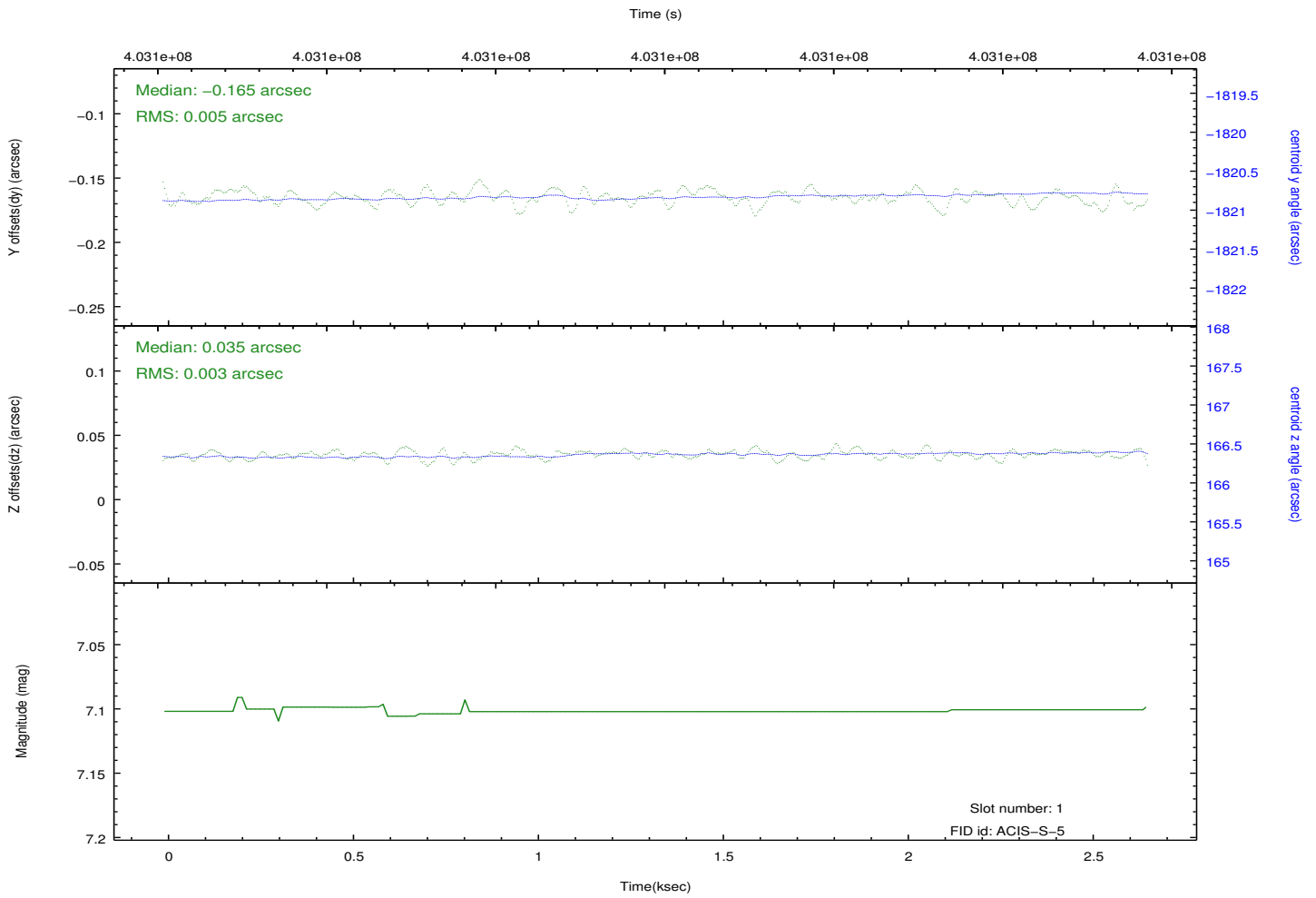
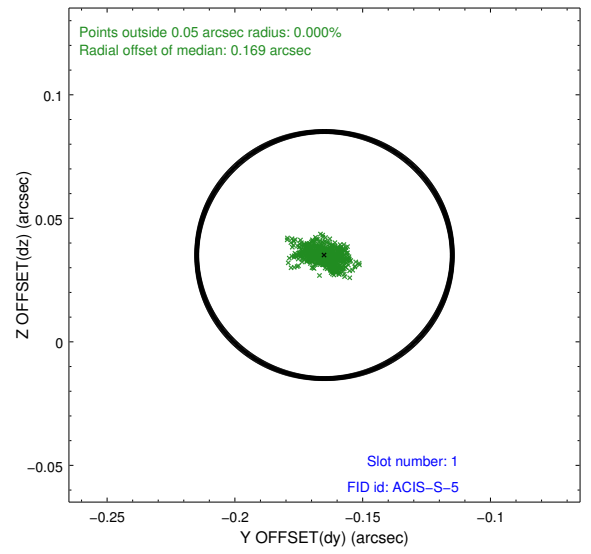
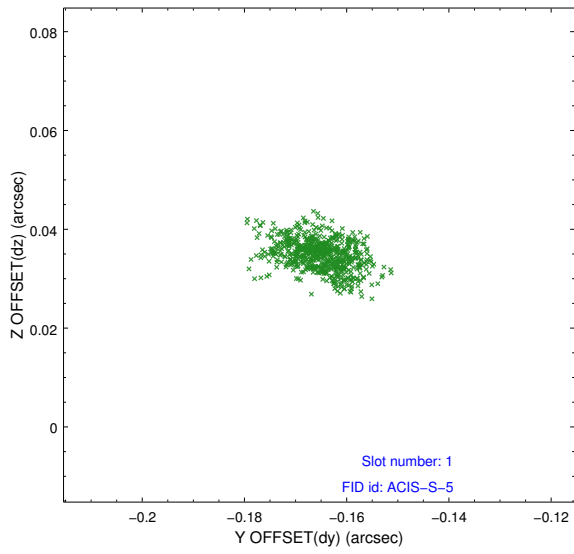


2.5 FID Slots

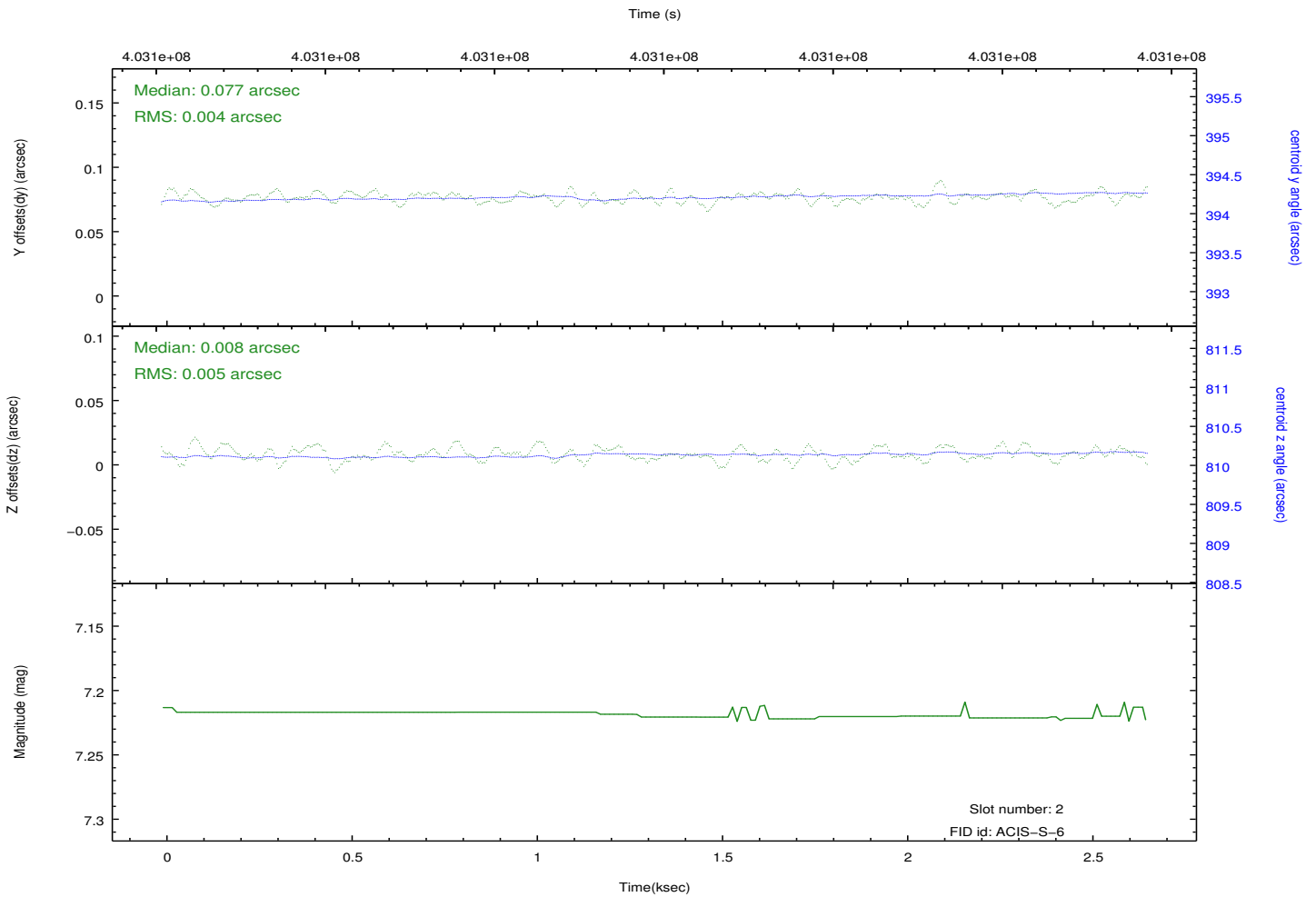
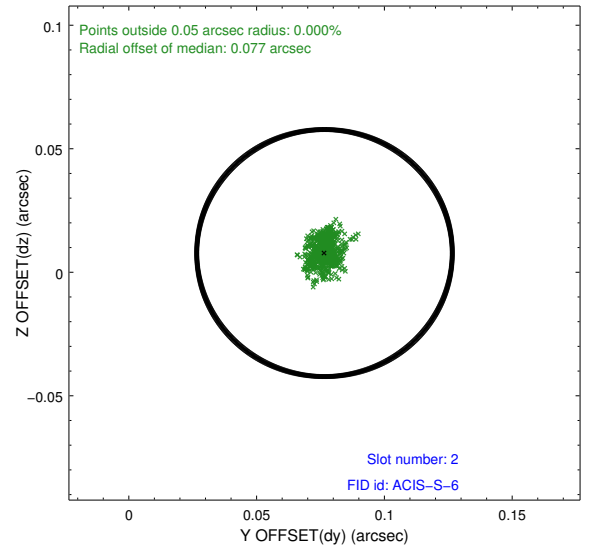
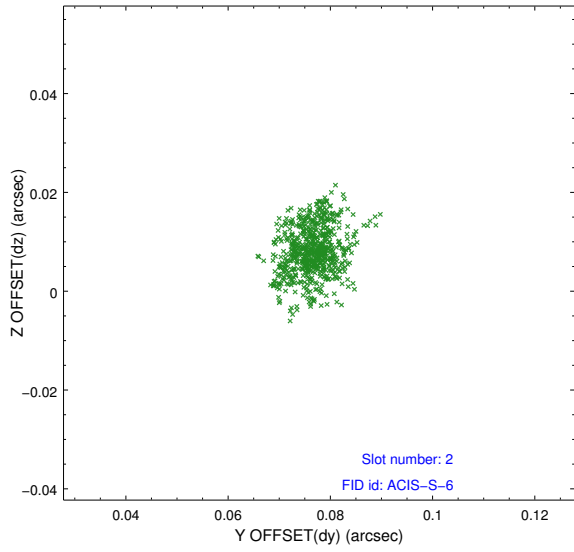
2.5.1 Slot 0



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)	2012.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.0367000156641

A.2 Comments