

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11569 - L2 Version 2
Chandra X-Ray Center

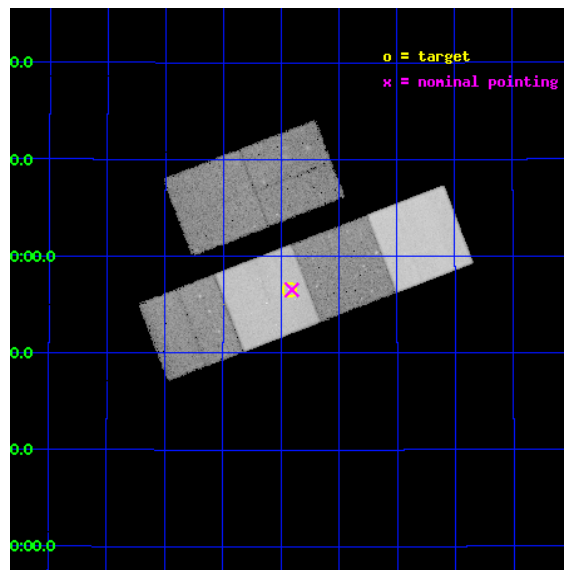
L2 Processing Date : Jun 23 2012

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1 Front

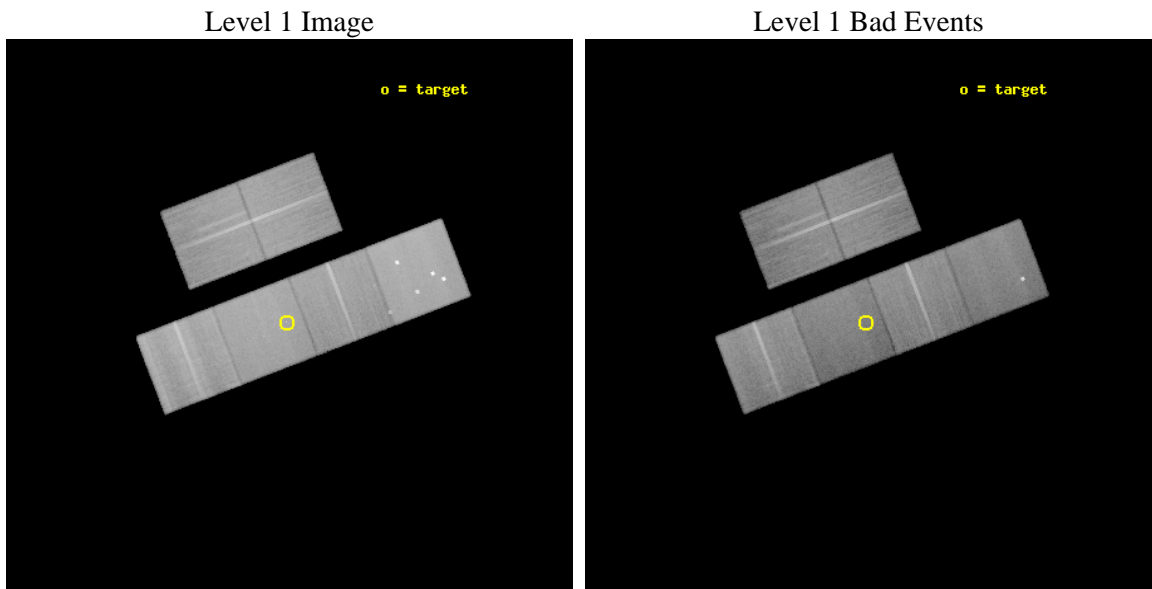
seq_num	702155	Sequence number
obs_id	11569	Observation id
title	The environmental and epoch dependence of radio-loud AGN feedback	
observer	Dr Judith Croston	Principal investigator
object	TOOT 1255+3556	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	193.9825	Observer's specified target RA [deg]
dec_targ	35.943278	Observer's specified target Dec [deg]
ra_nom	193.97661322229	Nominal RA [deg]
dec_nom	35.942368741405	Nominal Dec [deg]
roll_nom	159.02240058228	Nominal Roll [deg]
revision	2	Processing version of data
ontime	40001.928075671	Sum of GTIs [s]
livetime	39495.399576108	Livetime [s]
ontime2	40001.969115674	Sum of GTIs [s]
ontime3	39995.322875082	Sum of GTIs [s]
ontime5	40001.887035668	Sum of GTIs [s]
ontime6	40001.845995665	Sum of GTIs [s]
ontime7	40001.928075671	Sum of GTIs [s]
ontime8	40001.763915658	Sum of GTIs [s]
l2events	500458	Number of level 2 events



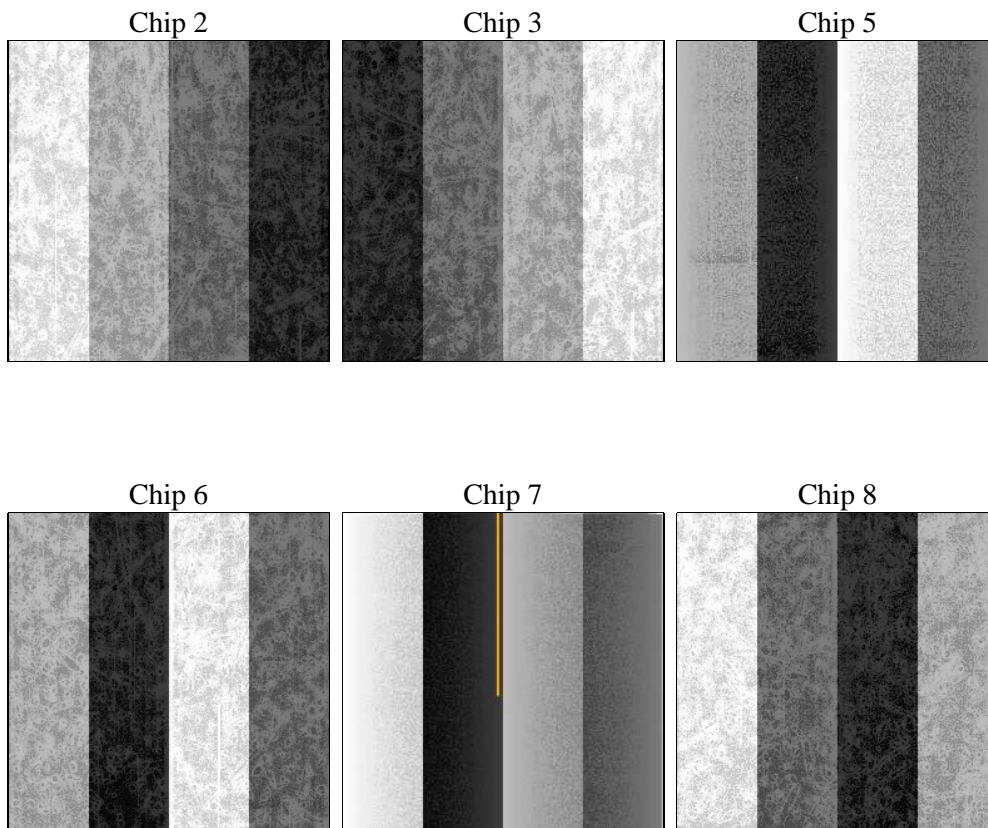
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	39871.422000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	40001.928075671	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	40001.969115674	Sum of GTIs [s]
date	2012-06-23T07:00:45	Date and time of file creation	ontime3	39995.322875082	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	40001.887035668	Sum of GTIs [s]
			ontime6	40001.845995665	Sum of GTIs [s]
			ontime7	40001.928075671	Sum of GTIs [s]
			ontime8	40001.763915658	Sum of GTIs [s]
			l1events	2223561	Number of level 1 events

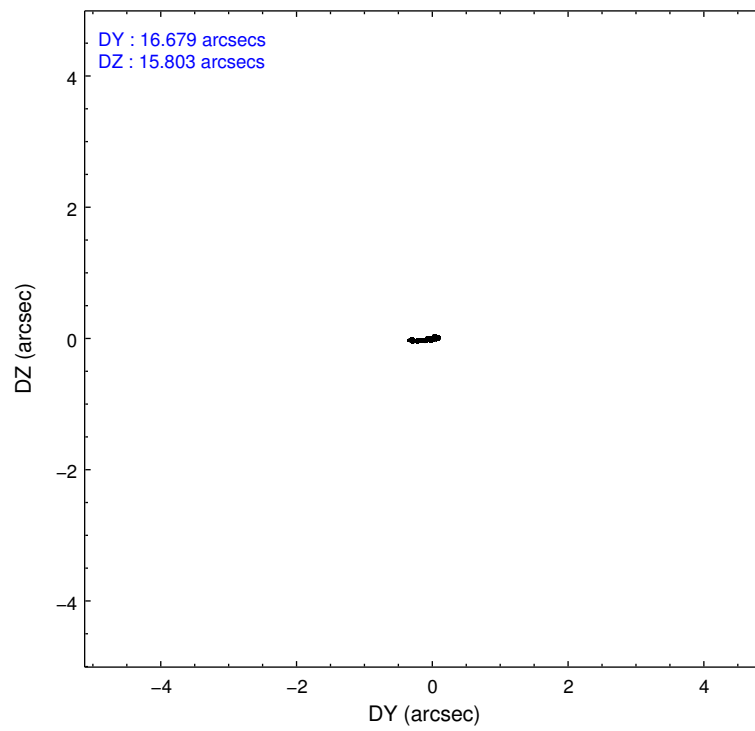
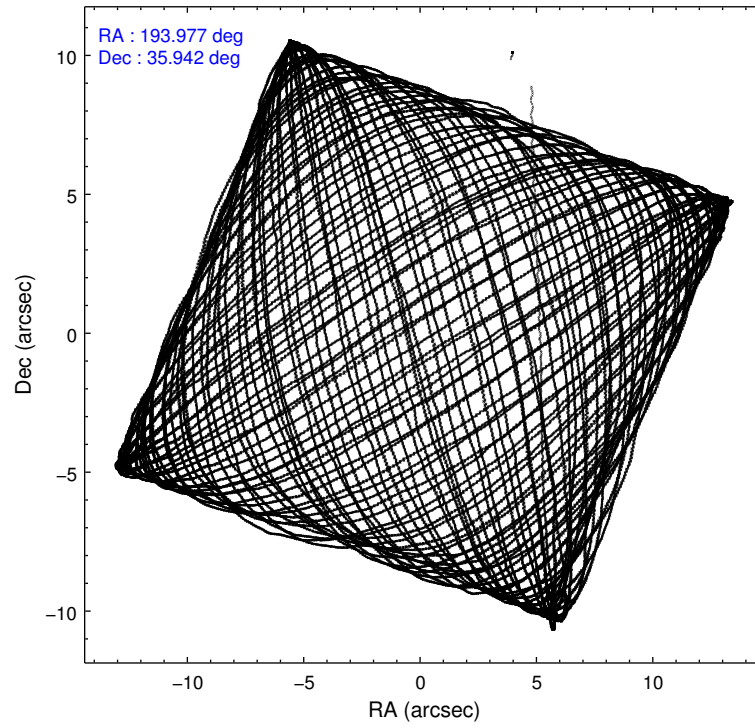
2.1.4 Events

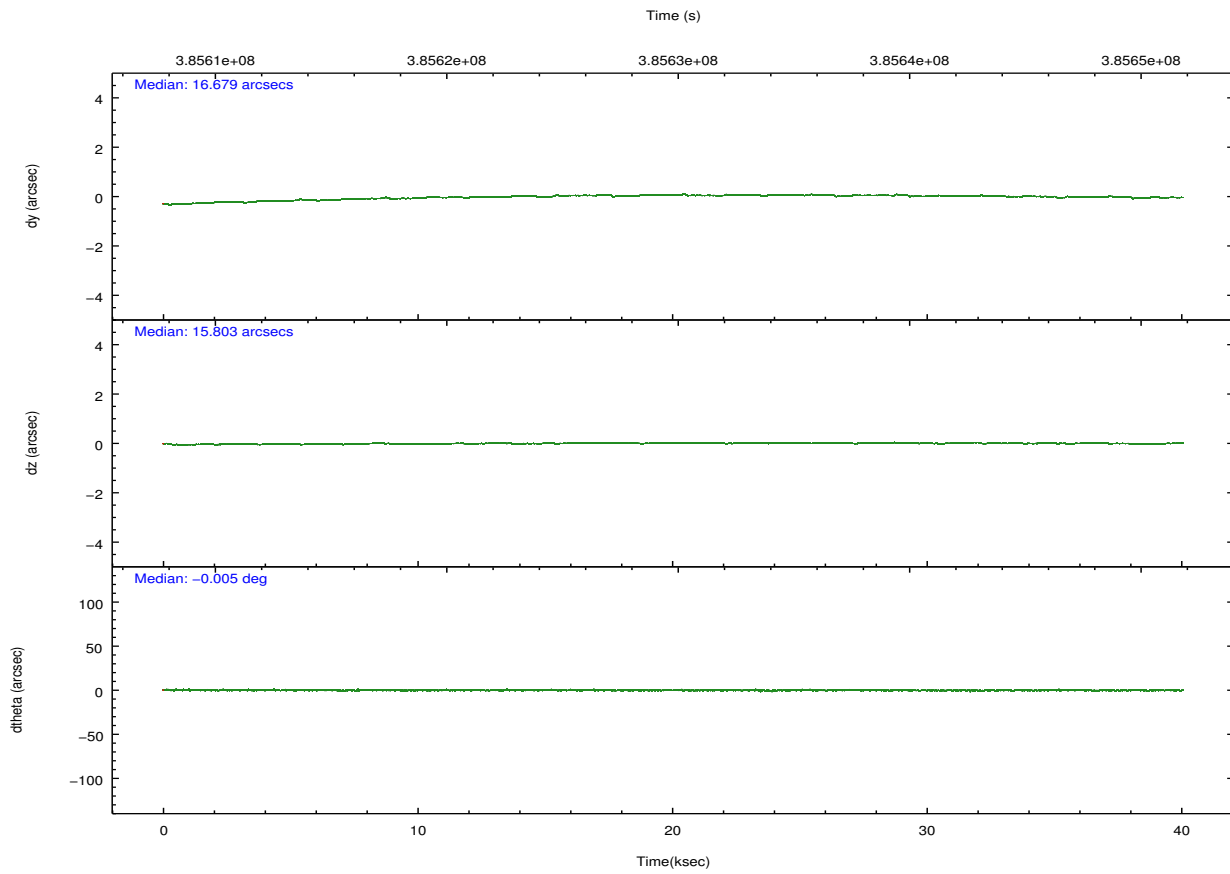
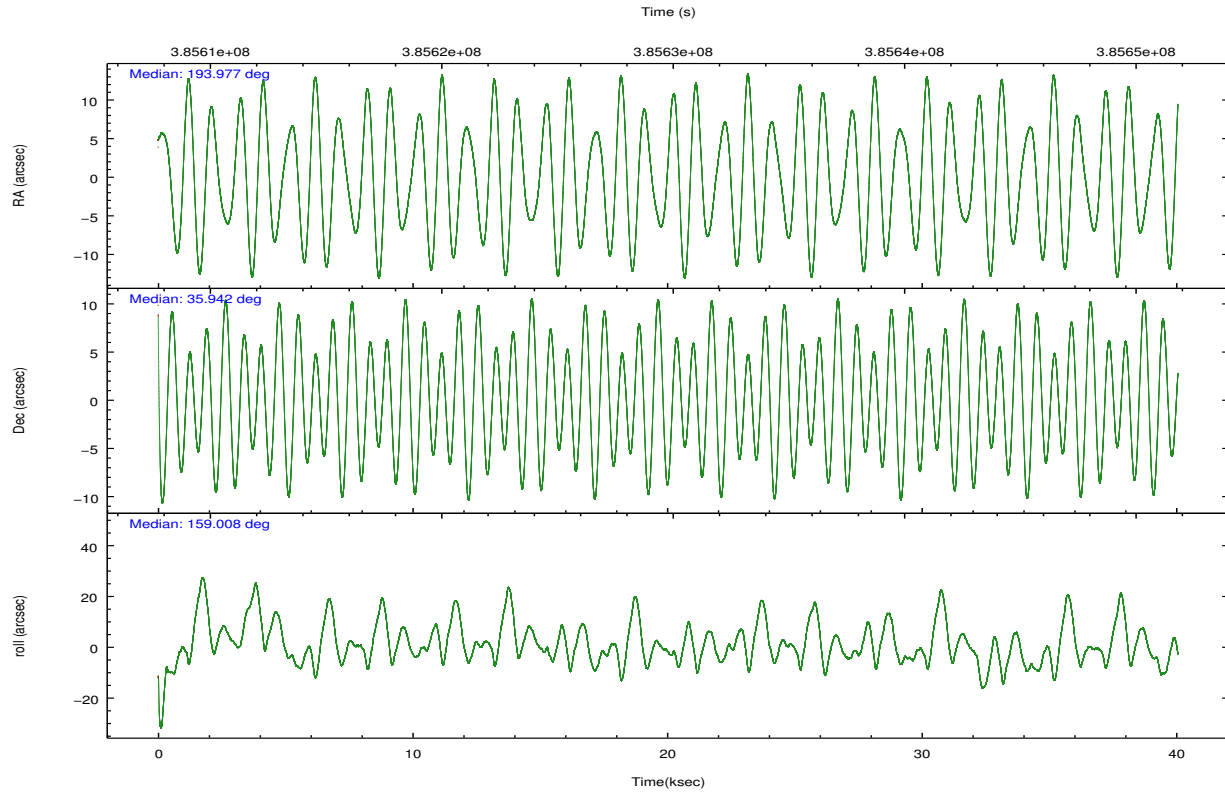
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	326762	300204	494565	323046	377273	401711	grade 0 events	11771	10728	43168	12434	15976	28566
rejected events	293903	269601	239607	288178	205666	301147		3%	3%	8%	3%	4%	7%
rejected %	89%	89%	48%	89%	54%	74%	grade 1 events	206	174	1244	168	476	317
								0%	0%	0%	0%	0%	0%
							grade 2 events	7930	6767	72539	7723	35203	24116
								2%	2%	14%	2%	9%	6%
							grade 3 events	3423	3450	9074	3651	15129	10679
								1%	1%	1%	1%	4%	2%
							grade 4 events	3475	3375	8533	3597	15224	9892
								1%	1%	1%	1%	4%	2%
							grade 5 events	11949	13356	36424	13977	39405	19963
								3%	4%	7%	4%	10%	4%
							grade 6 events	6266	6286	121683	7468	90102	27314
								1%	2%	24%	2%	23%	6%
							grade 7 events	281742	256068	201900	274028	165758	280864
								86%	85%	40%	84%	43%	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	194.009890	193.9766132222875	CCD I2 on	O1	Y
[deg] Pointing Dec	35.947026	35.94236874140484	CCD I3 on	O2	Y
[deg] Pointing Roll	158.846228	159.0224005822768	CCD S0 on	N	N
[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)	385609934.184000	385608886.11221	CCD S5 on	N	N
Observation start date	2010-03-22T01:51:08	2010-03-22T01:34:46	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	385649806.184000	385650028.07679	On-chip summing requested	N	N
Observation end date	2010-03-22T12:55:40	2010-03-22T13:00:28	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



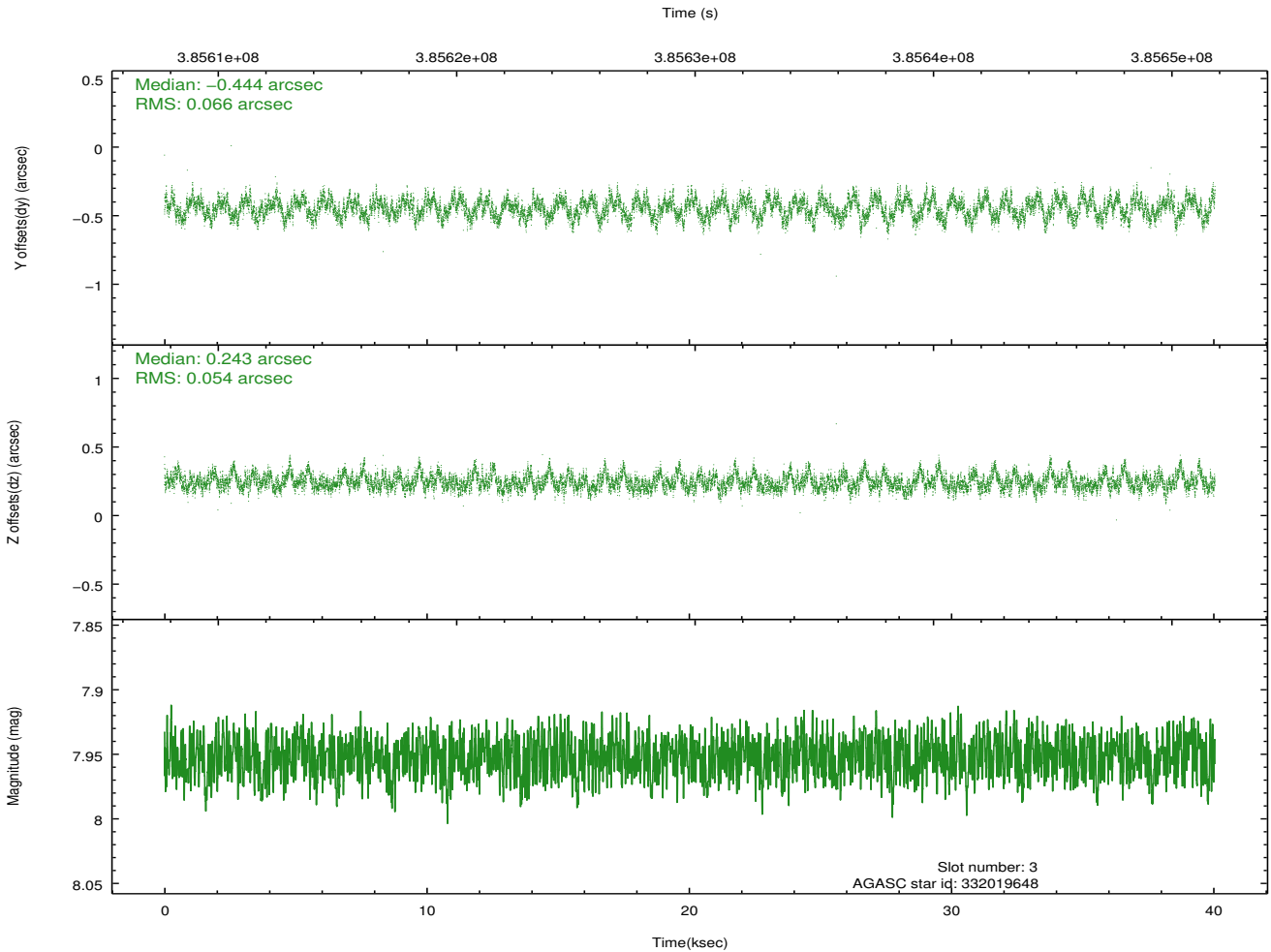
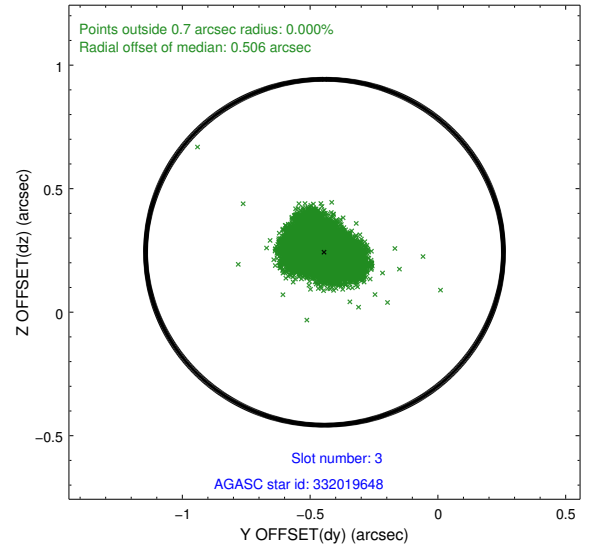
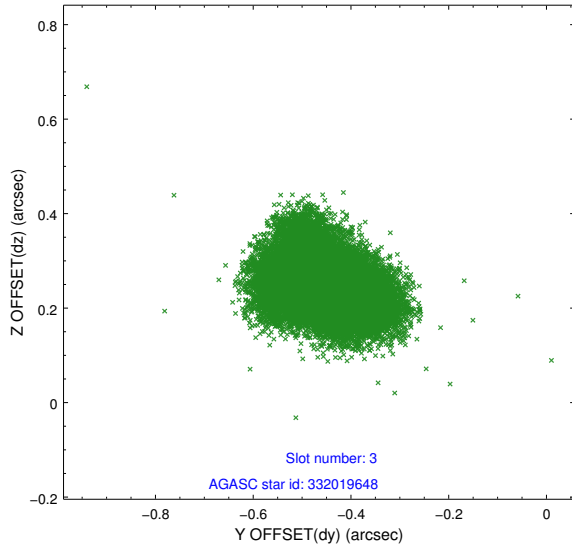


Slot Statistics

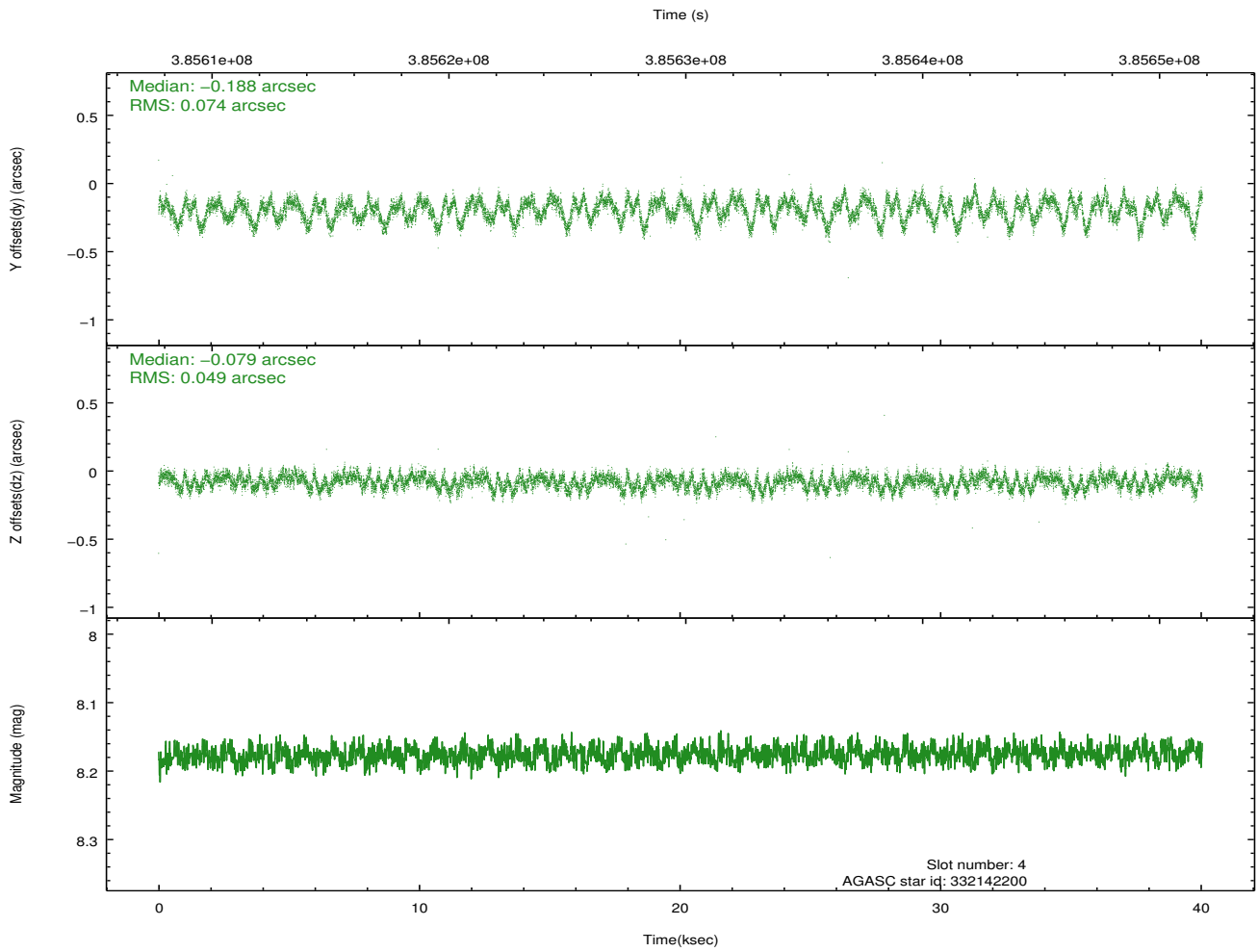
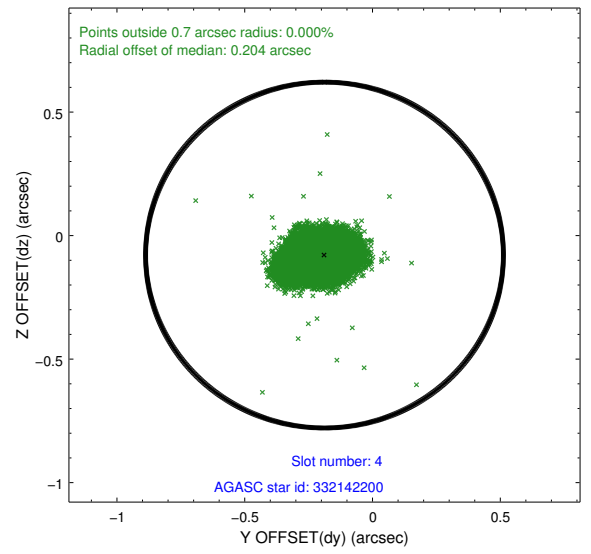
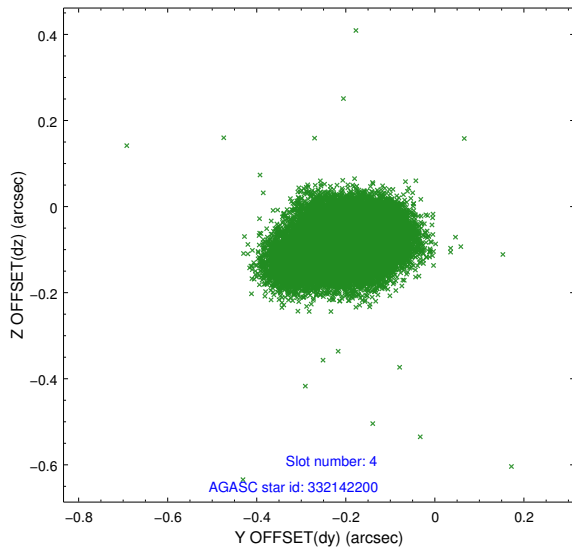
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.98	9769	-0.097	-0.022	0.009	0.018	0.000000	0.000000	-769.74	-1737.18
1	FID	ACIS-S-4	7.06	9771	0.194	0.052	0.011	0.022	0.000000	0.000000	2143.80	171.39
2	FID	ACIS-S-5	7.09	9771	-0.130	-0.021	0.009	0.017	0.000000	0.000000	-1822.62	164.97
3	GUIDE	332019648	7.95	19535	-0.444	0.243	0.092	0.146	193.435090	35.736760	1294.90	1308.32
4	GUIDE	332142200	8.18	19531	-0.188	-0.079	0.093	0.157	194.036005	35.350267	-846.85	1975.93
5	GUIDE	332145072	10.18	19500	0.602	0.419	0.189	0.297	194.470610	35.549529	-1772.87	844.98
6	GUIDE	332151440	9.78	19198	0.303	-0.201	0.203	0.308	193.652887	36.661267	1891.37	-2027.15
7	GUIDE	332151856	9.71	19519	-0.267	-0.384	0.145	0.233	193.524745	35.908573	1270.98	636.59

2.4 Star Slots

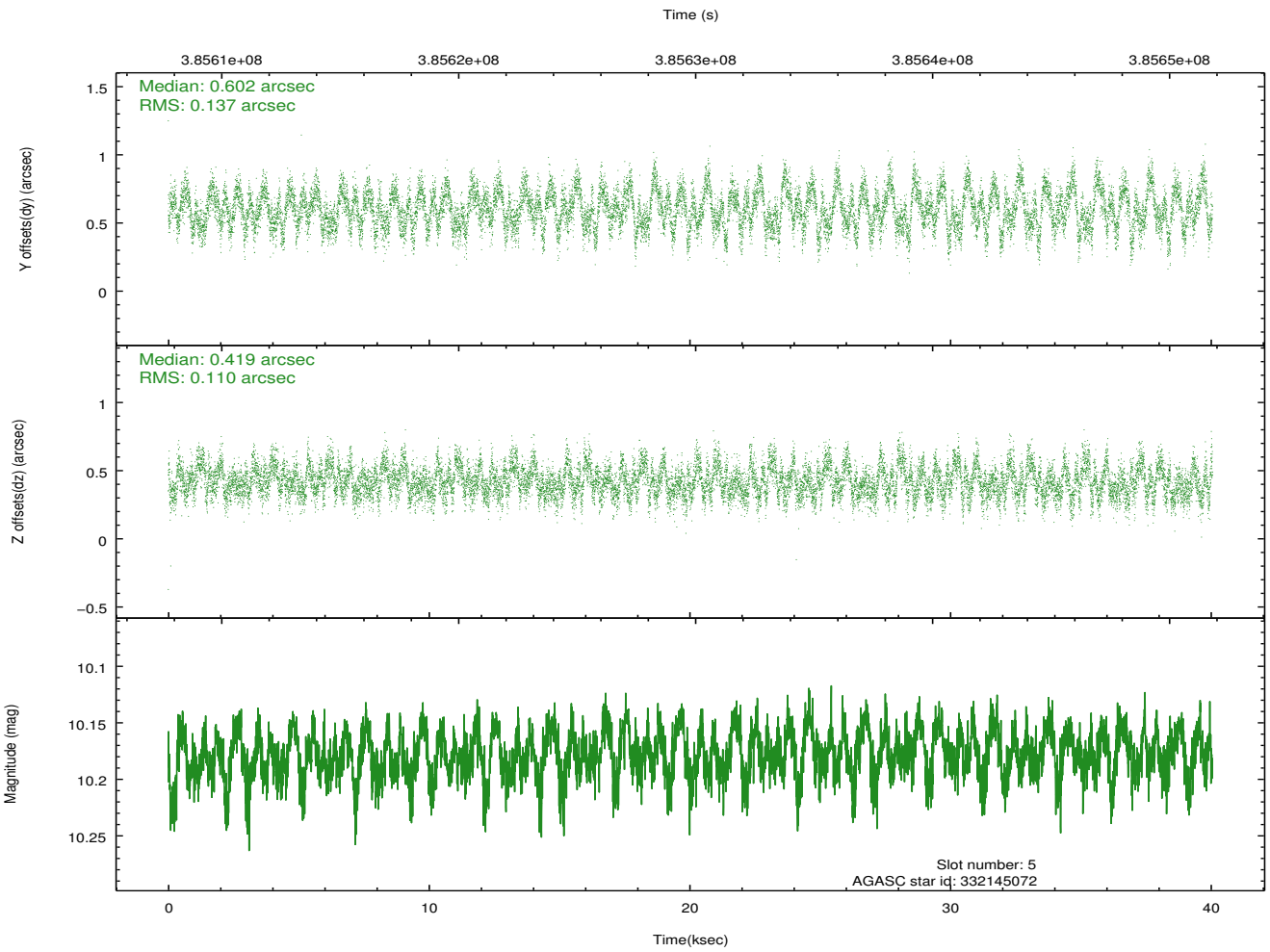
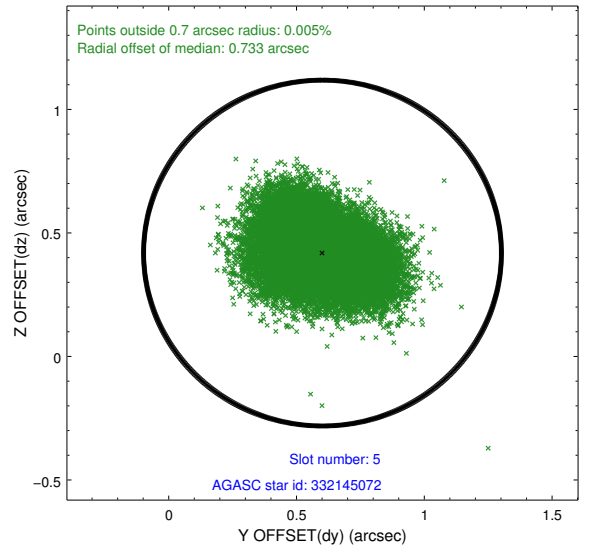
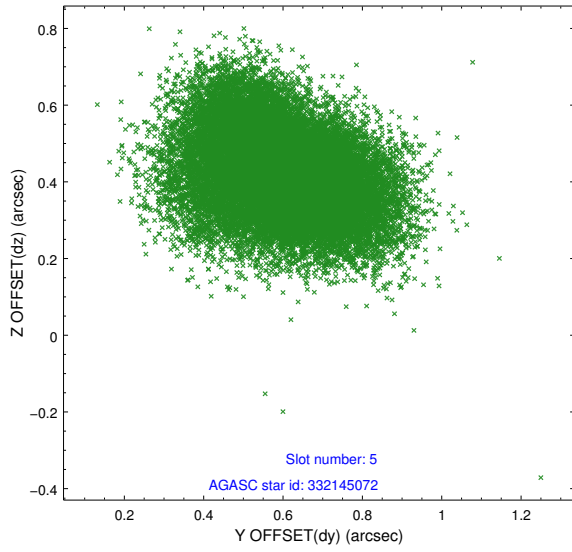
2.4.1 Slot 3



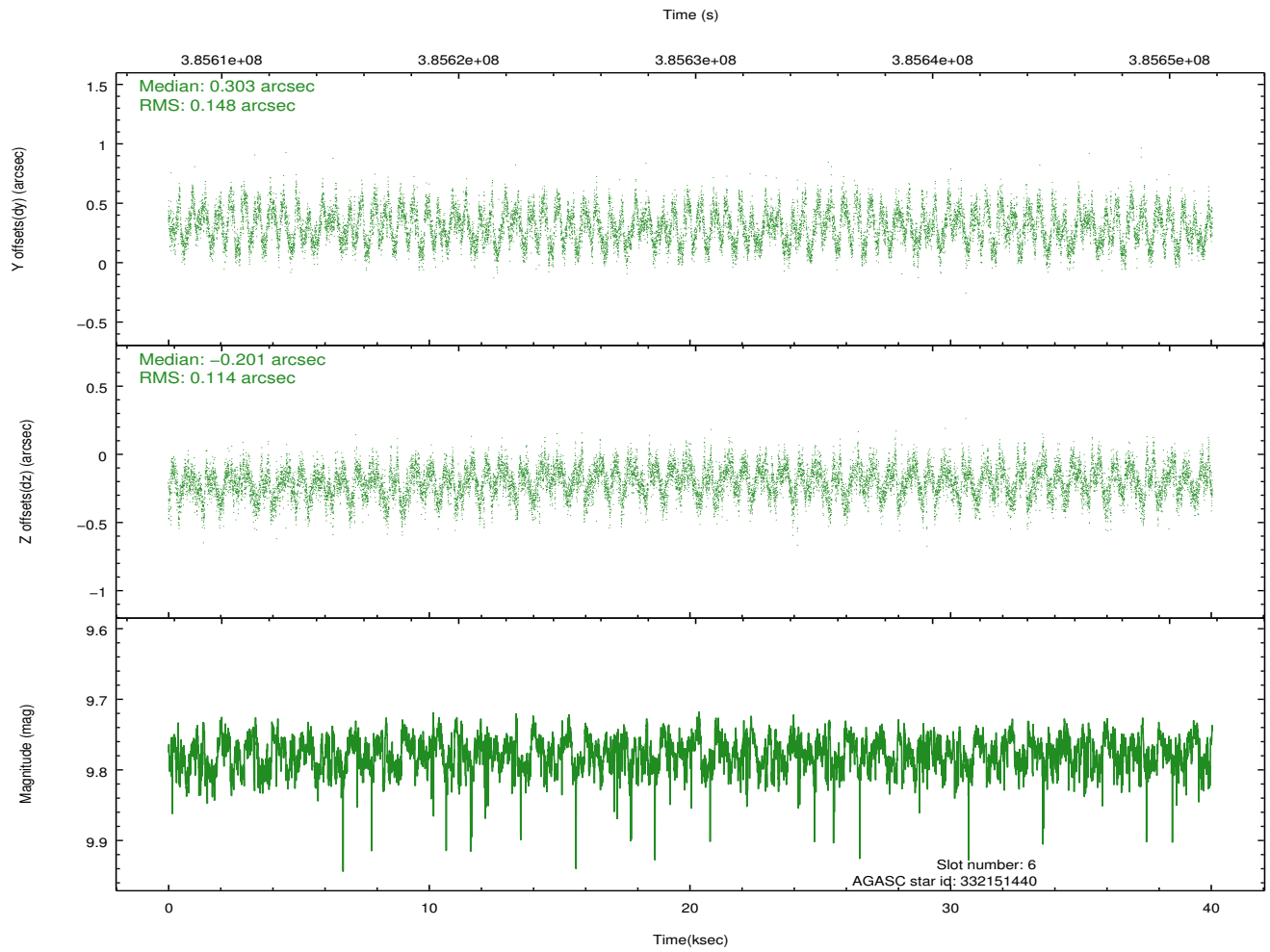
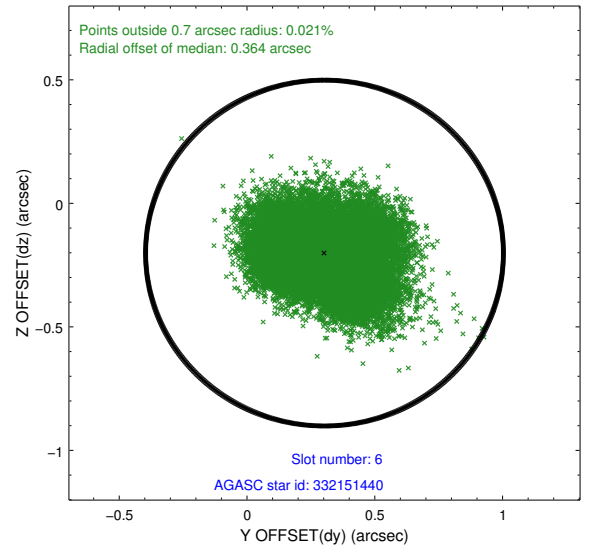
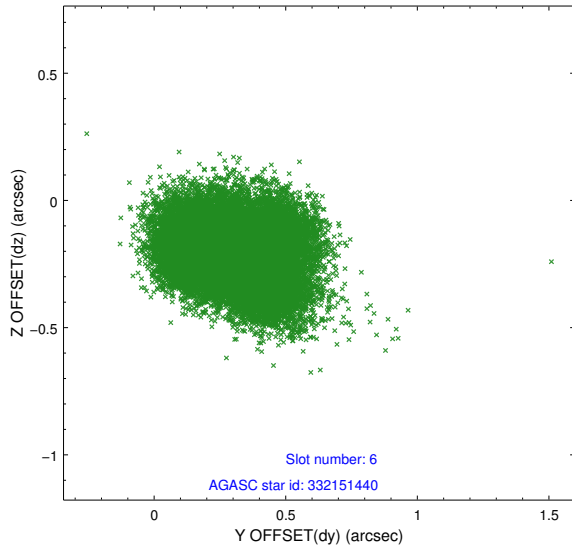
2.4.2 Slot 4



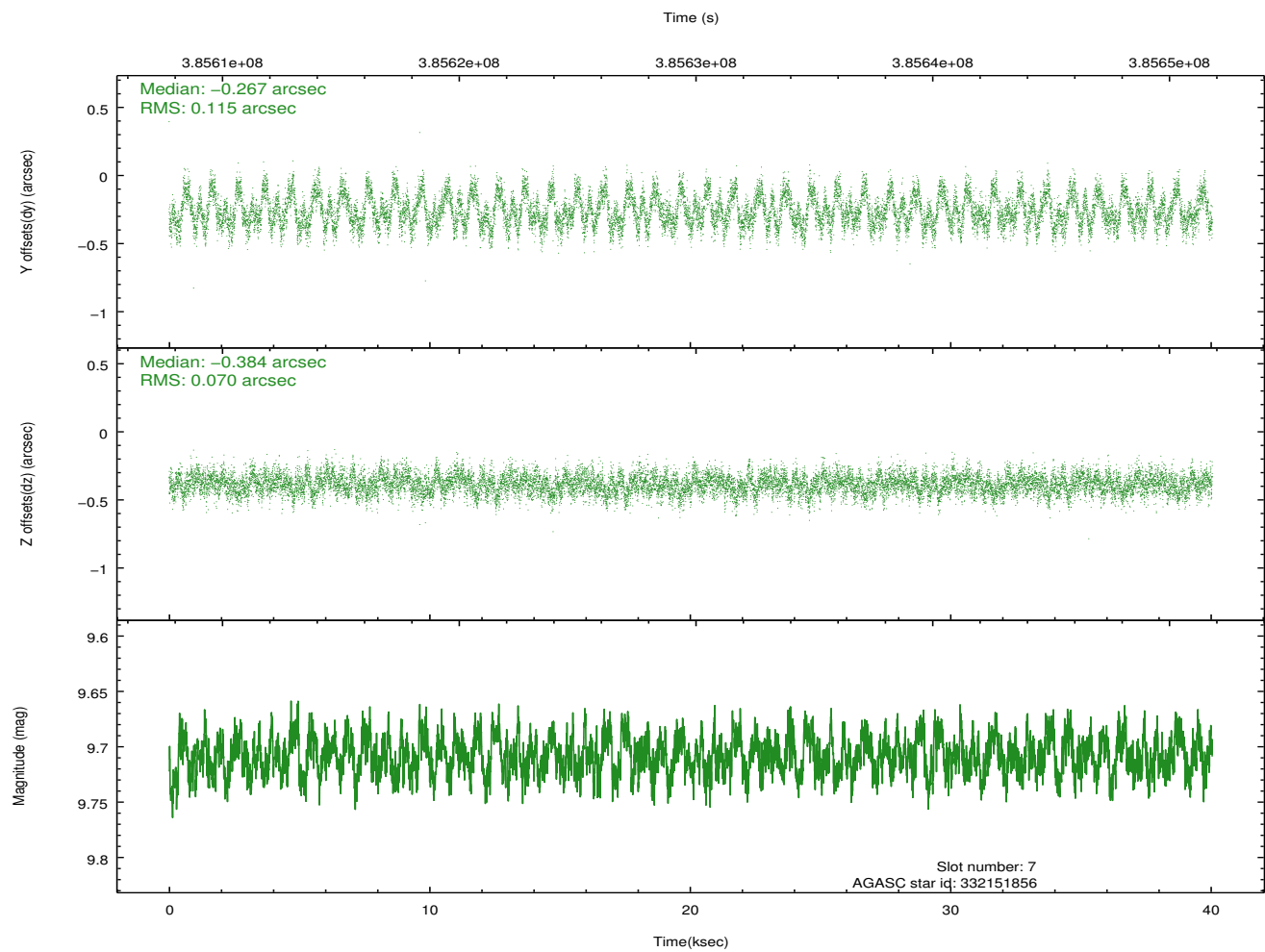
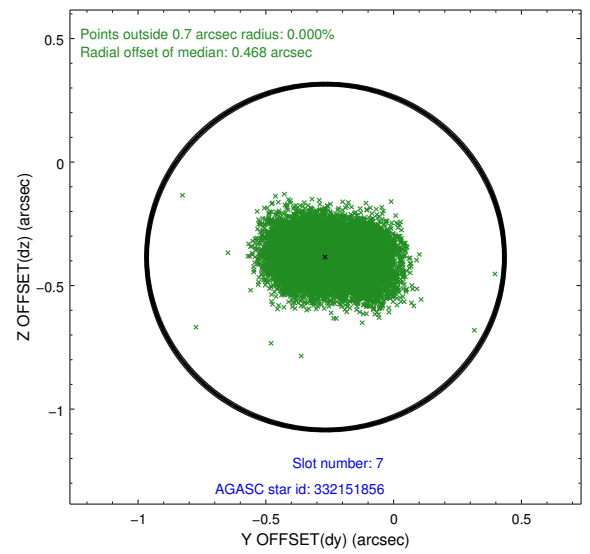
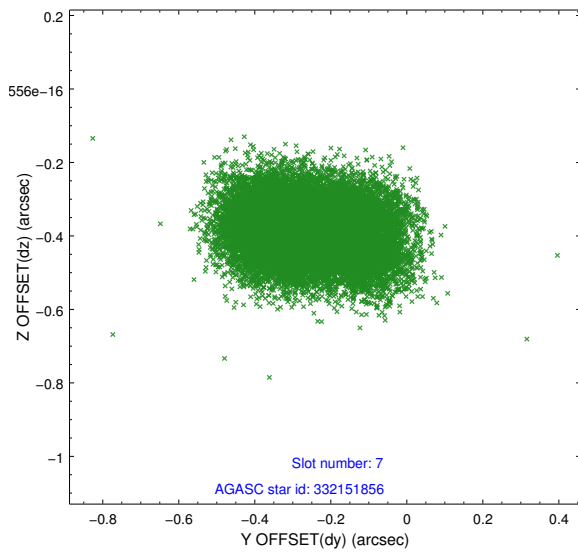
2.4.3 Slot 5



2.4.4 Slot 6

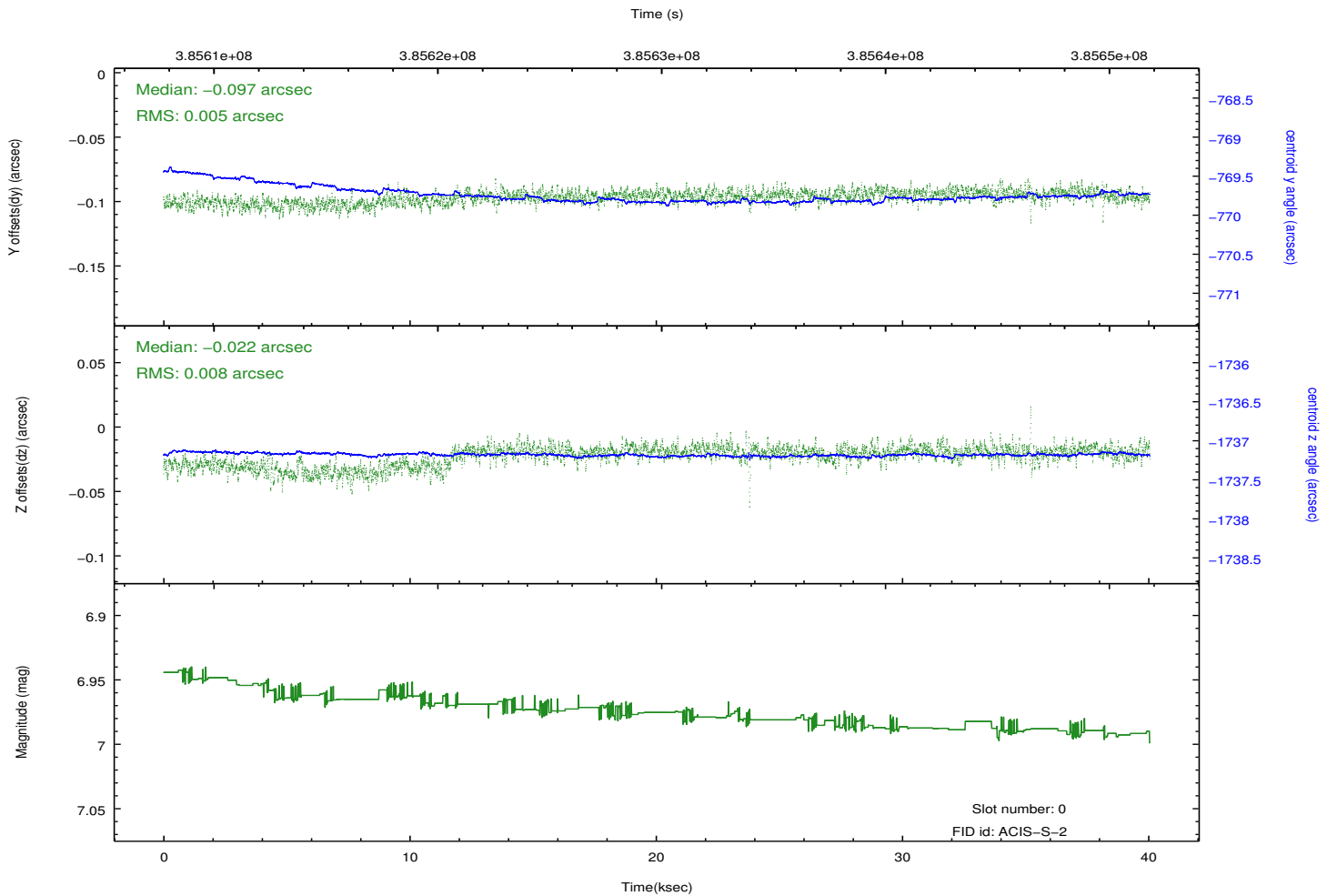
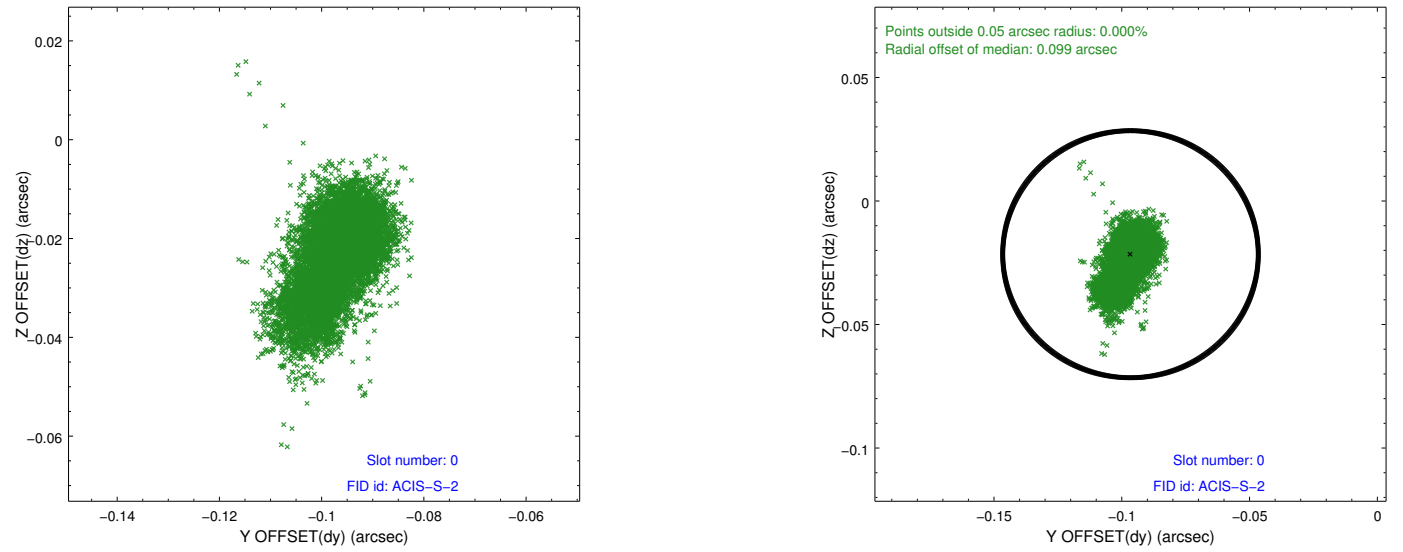


2.4.5 Slot 7

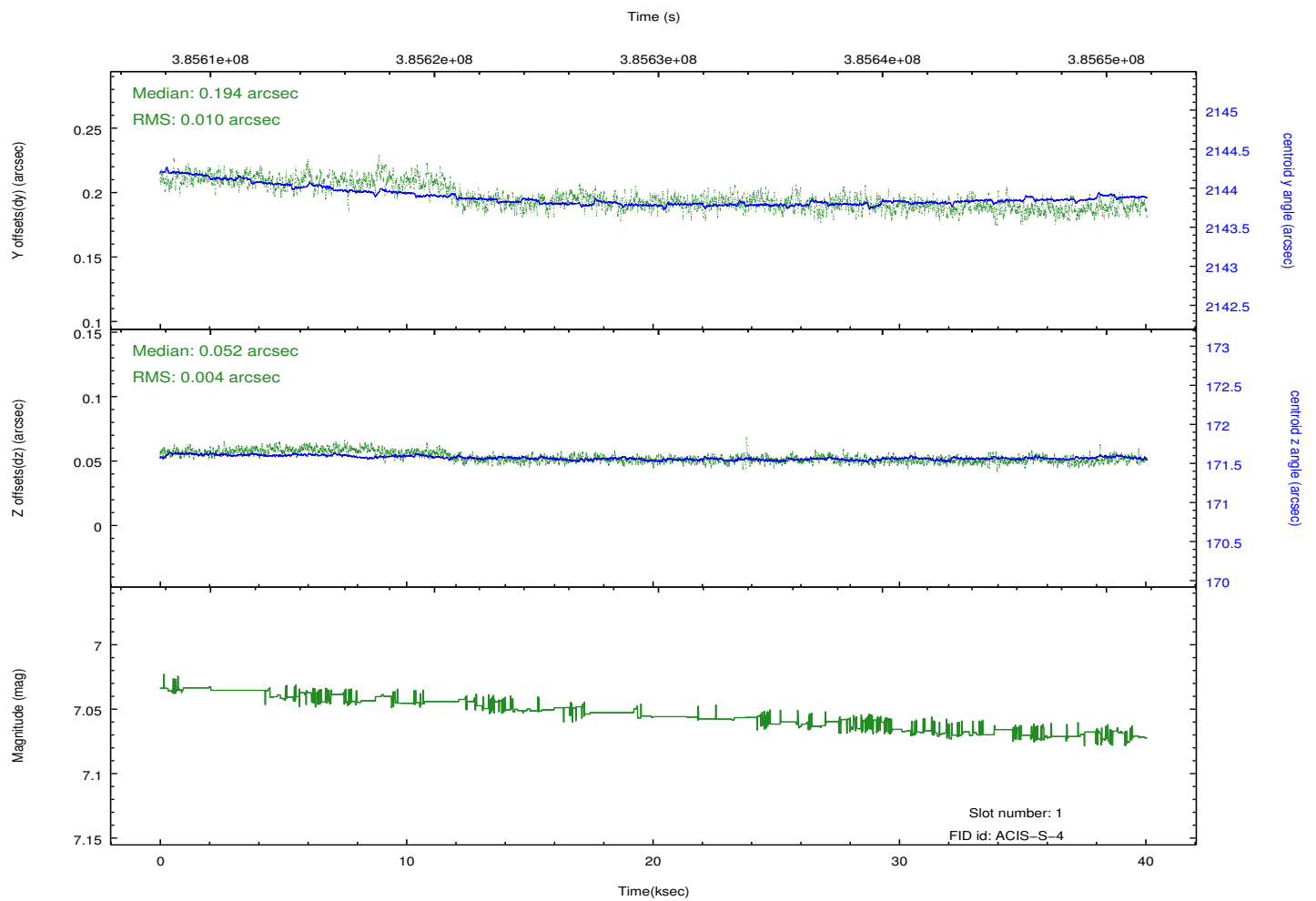
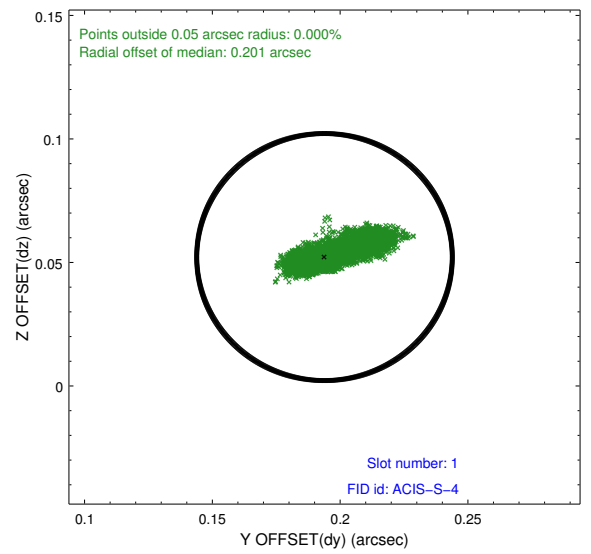
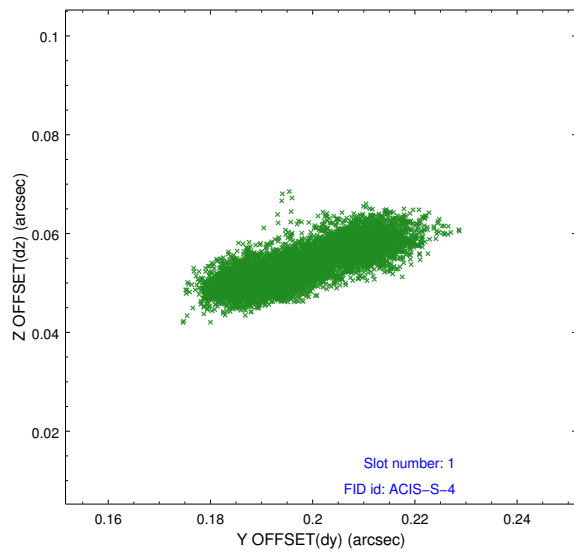


2.5 FID Slots

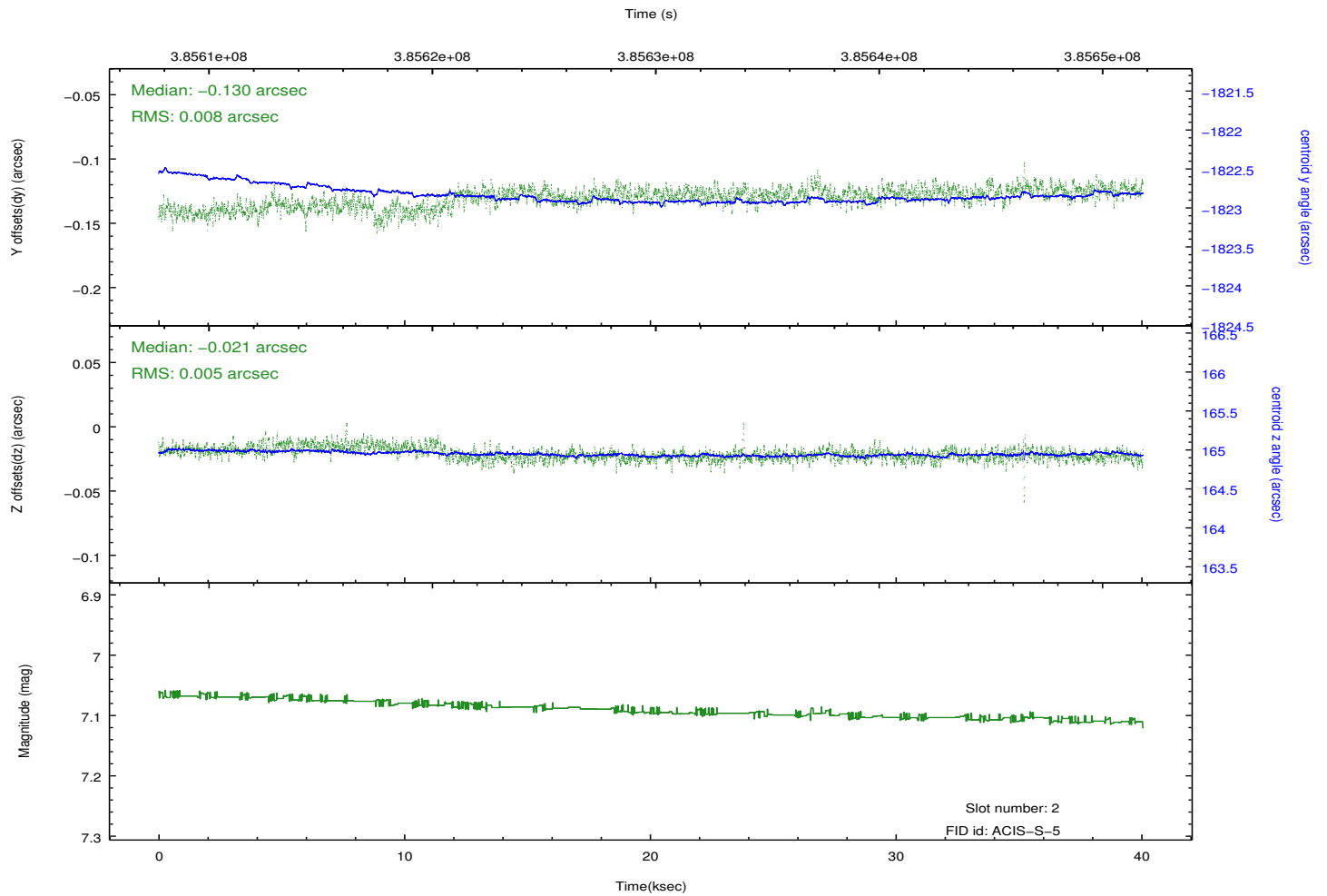
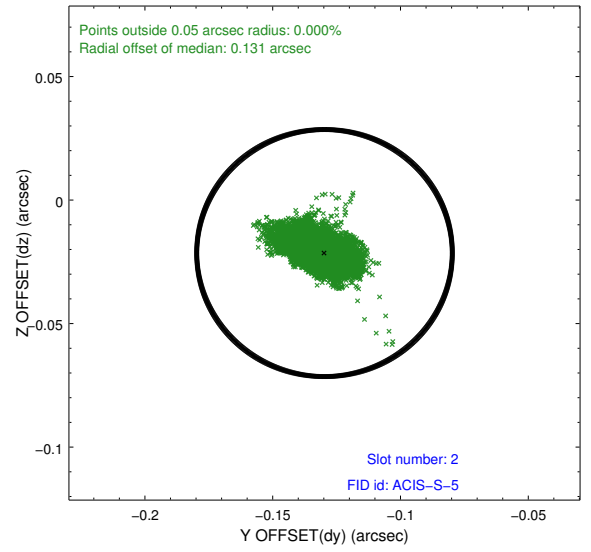
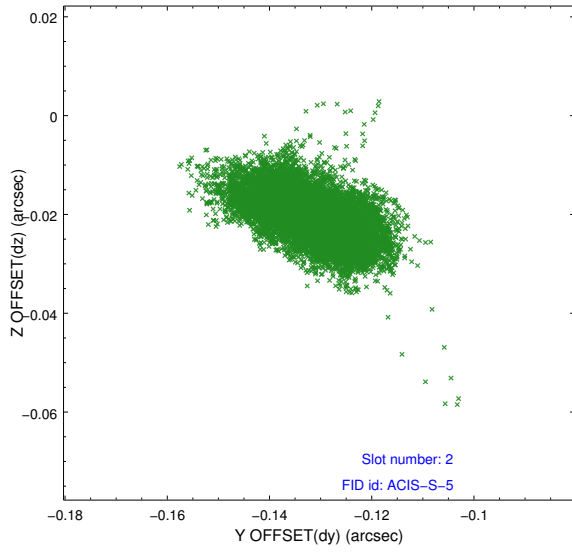
2.5.1 Slot 0



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)	2012.06.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.001928072691

A.2 Comments