

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11568 - L2 Version 2
Chandra X-Ray Center

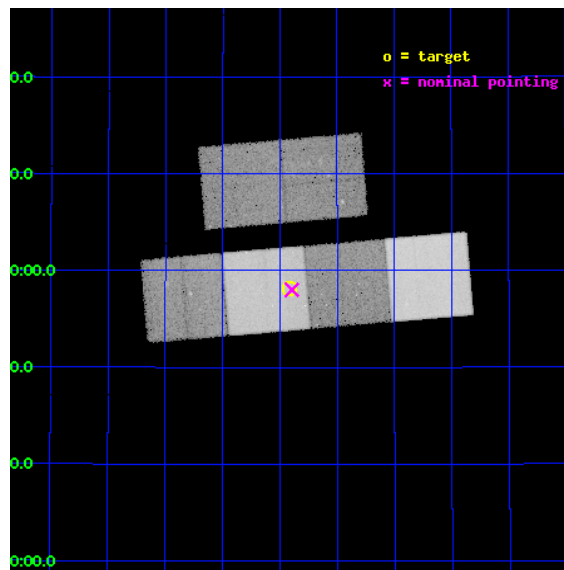
L2 Processing Date : Jun 23 2012

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1 Front

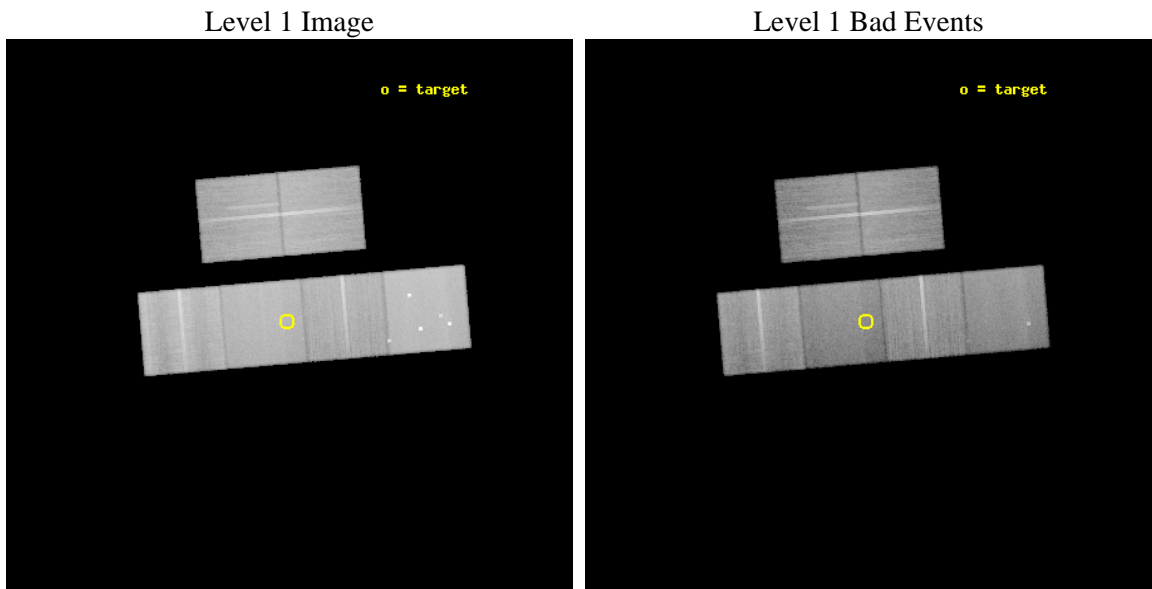
seq_num	702154	Sequence number
obs_id	11568	Observation id
title	The environmental and epoch dependence of radio-loud AGN feedback	
observer	Dr Judith Croston	Principal investigator
object	TOOT 1301+3658	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	195.354167	Observer's specified target RA [deg]
dec_targ	36.969278	Observer's specified target Dec [deg]
ra_nom	195.34876531971	Nominal RA [deg]
dec_nom	36.967087242608	Nominal Dec [deg]
roll_nom	175.09528789989	Nominal Roll [deg]
revision	2	Processing version of data
ontime	40047.999850869	Sum of GTIs [s]
livetime	39540.887962747	Livetime [s]
ontime2	40038.276759446	Sum of GTIs [s]
ontime3	40041.517830312	Sum of GTIs [s]
ontime5	40047.999850869	Sum of GTIs [s]
ontime6	40044.758820415	Sum of GTIs [s]
ontime7	40047.999850869	Sum of GTIs [s]
ontime8	40047.999850869	Sum of GTIs [s]
l2events	486273	Number of level 2 events



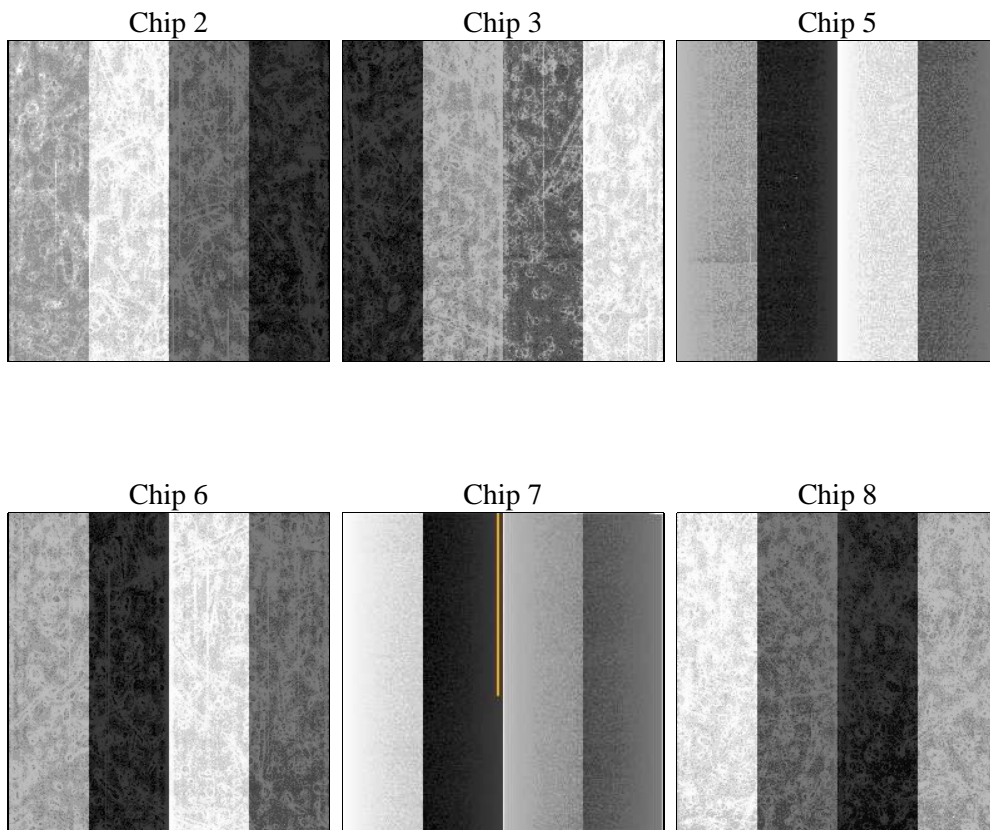
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	40047.999850869	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	40038.276759446	Sum of GTIs [s]
date	2012-06-23T20:36:46	Date and time of file creation	ontime3	40041.517830312	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	40047.999850869	Sum of GTIs [s]
			ontime6	40044.758820415	Sum of GTIs [s]
			ontime7	40047.999850869	Sum of GTIs [s]
			ontime8	40047.999850869	Sum of GTIs [s]
			l1events	2149298	Number of level 1 events

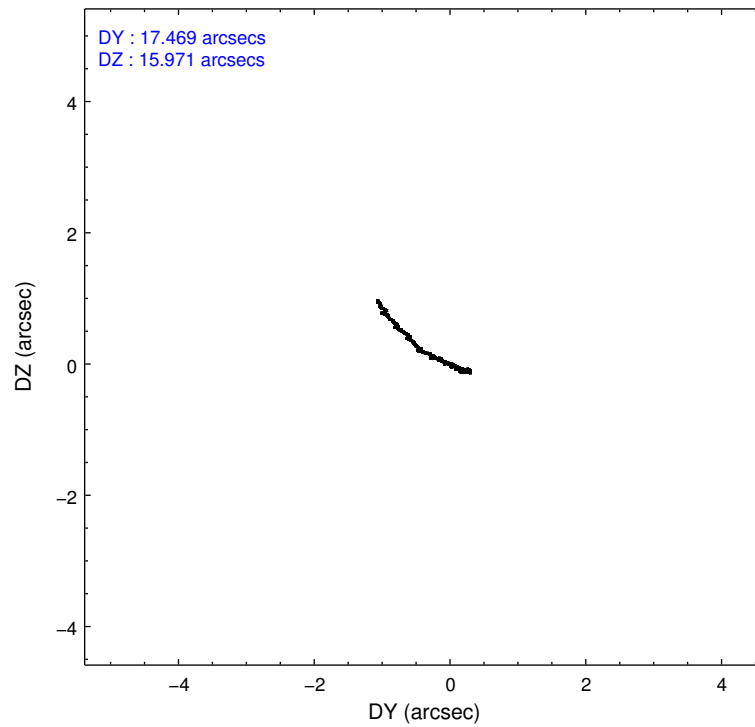
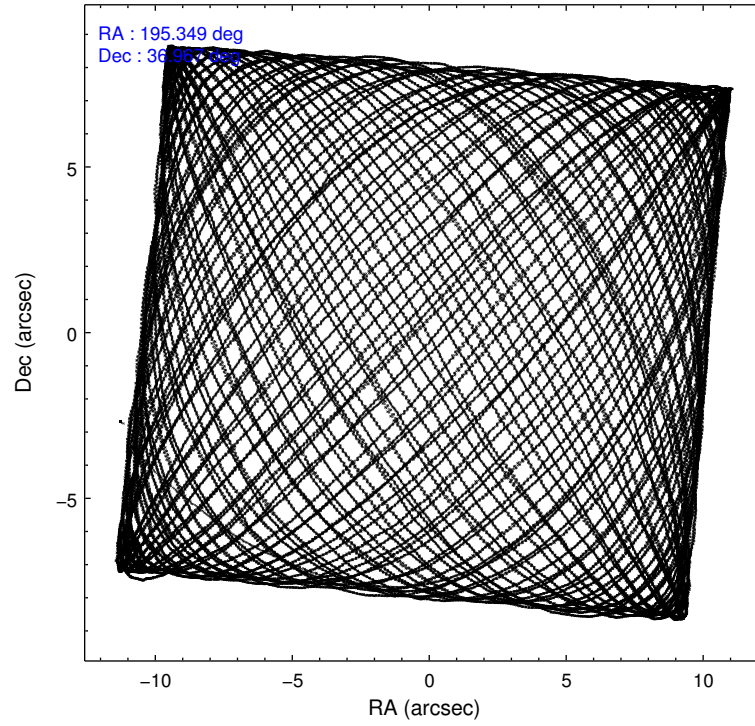
2.1.4 Events

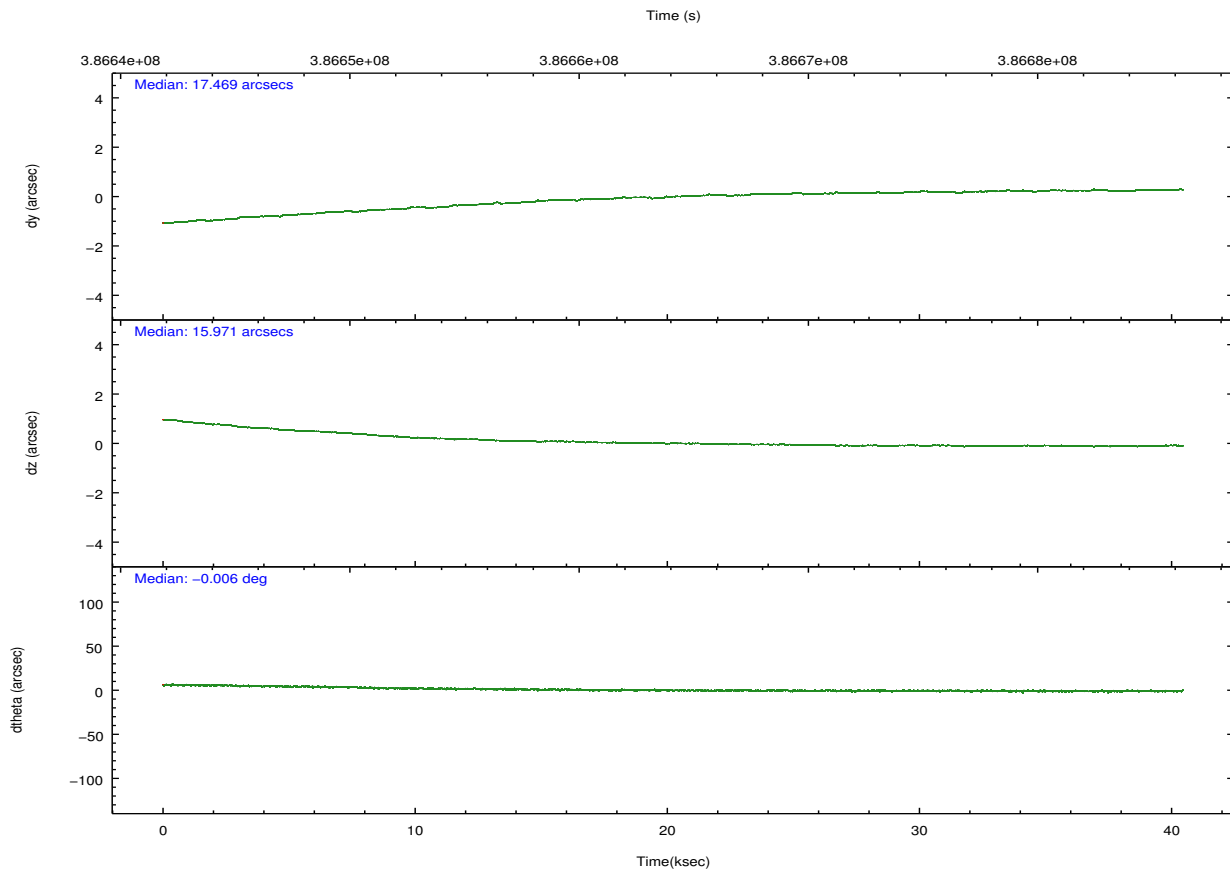
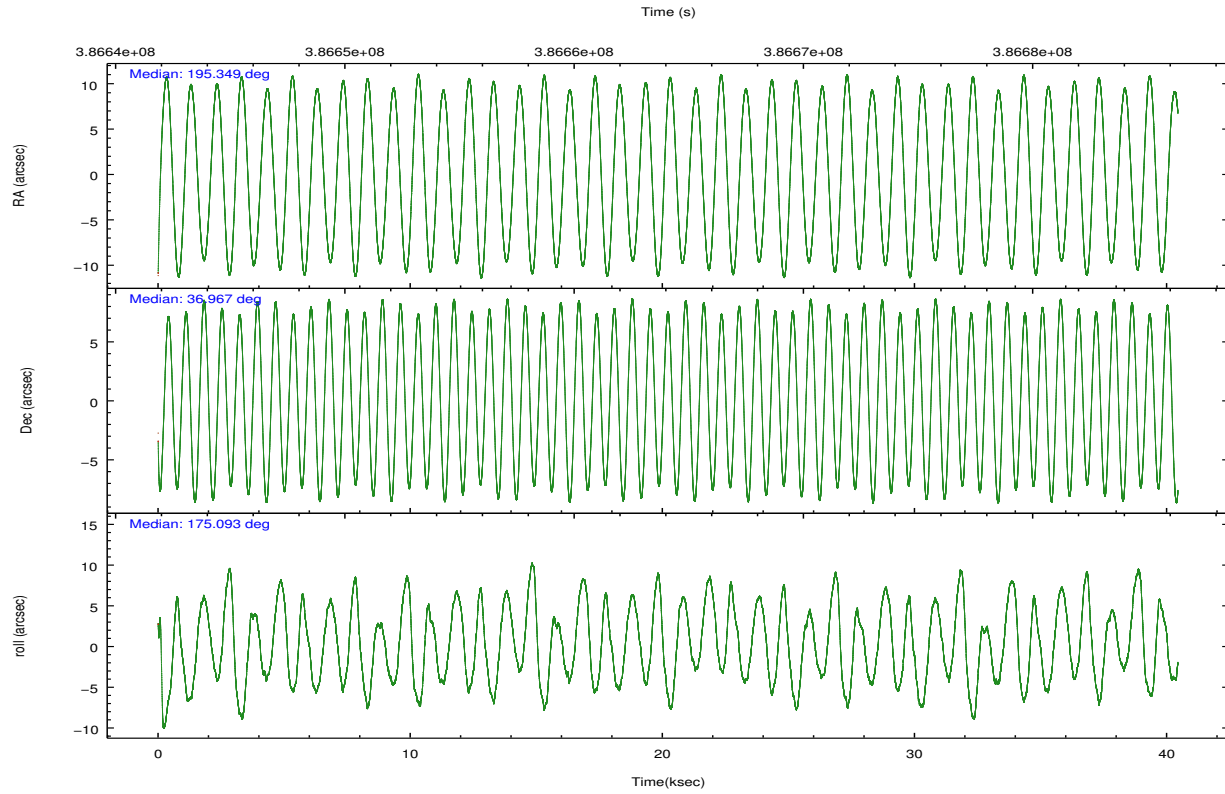
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	322499	292232	466989	308223	366107	393248	grade 0 events	11438	10517	29690	11461	15493	29089
rejected events	290183	262414	231425	274937	200347	291452		3%	3%	6%	3%	4%	7%
rejected %	89%	89%	49%	89%	54%	74%	grade 1 events	183	177	952	147	487	357
								0%	0%	0%	0%	0%	0%
							grade 2 events	8044	6405	70079	7424	33723	24162
								2%	2%	15%	2%	9%	6%
							grade 3 events	3298	3366	8830	3499	14811	10706
								1%	1%	1%	1%	4%	2%
							grade 4 events	3374	3386	8089	3508	14658	9838
								1%	1%	1%	1%	4%	2%
							grade 5 events	11616	12969	35374	13083	38167	19416
								3%	4%	7%	4%	10%	4%
							grade 6 events	6163	6149	118890	7396	87087	28034
								1%	2%	25%	2%	23%	7%
							grade 7 events	278383	249263	195085	261705	161681	271646
								86%	85%	41%	84%	44%	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	195.379550	195.348765319713	CCD I2 on	O1	Y
[deg] Pointing Dec	36.979020	36.9670872426078	CCD I3 on	O2	Y
[deg] Pointing Roll	174.920148	175.0952878998908	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)	386644322.184000	386643189.06474	CCD S5 on	N	N
Observation start date	2010-04-03T01:10:56	2010-04-03T00:53:09	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	386684322.184000	386685080.30437	On-chip summing requested	N	N
Observation end date	2010-04-03T12:17:36	2010-04-03T12:31:20	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



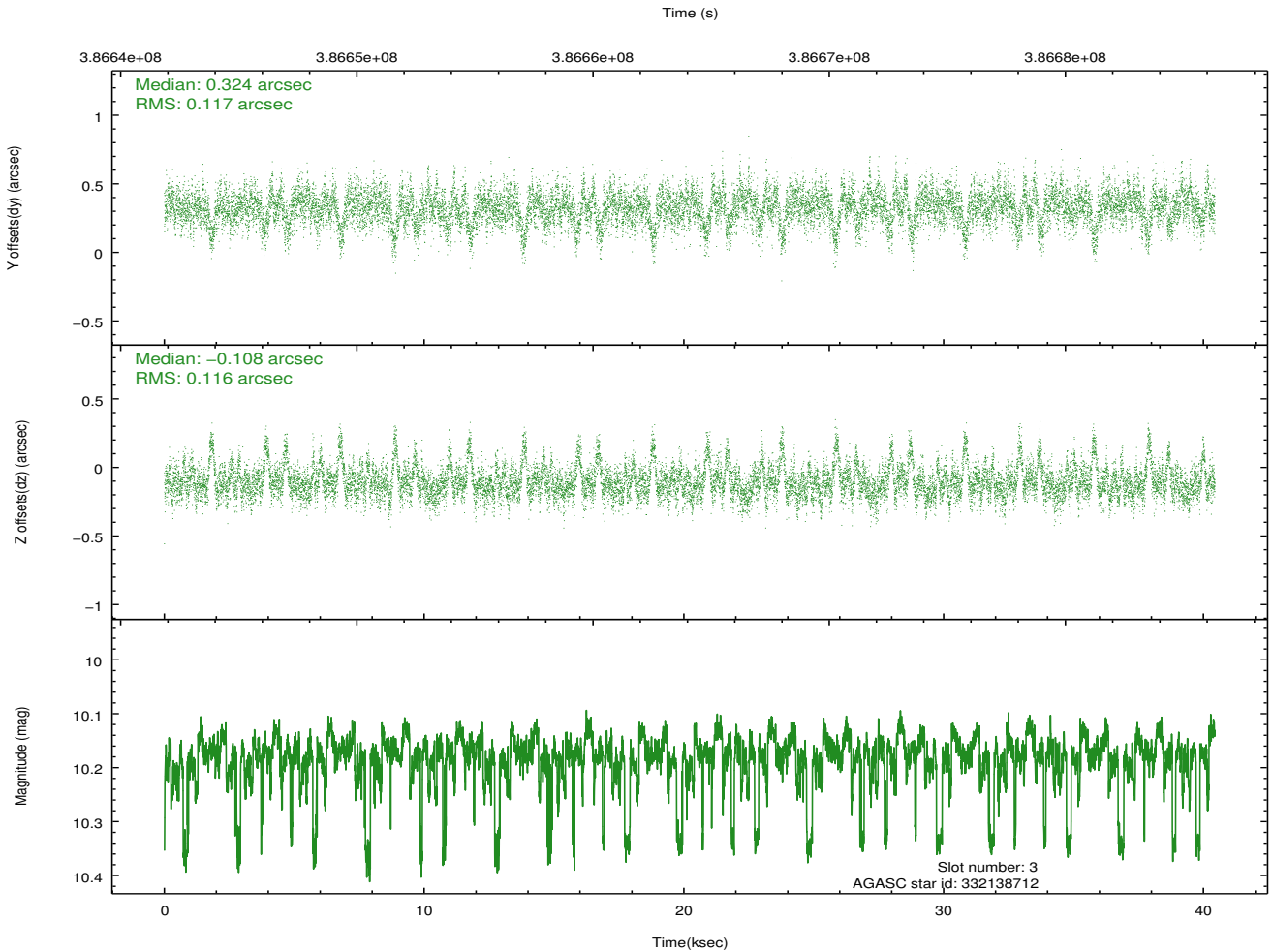
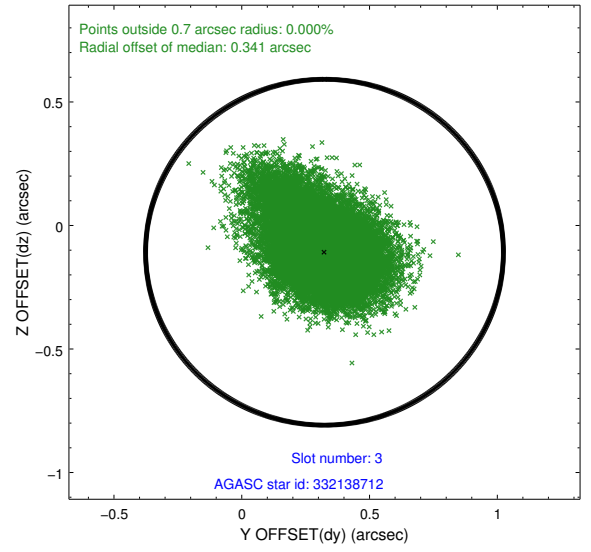
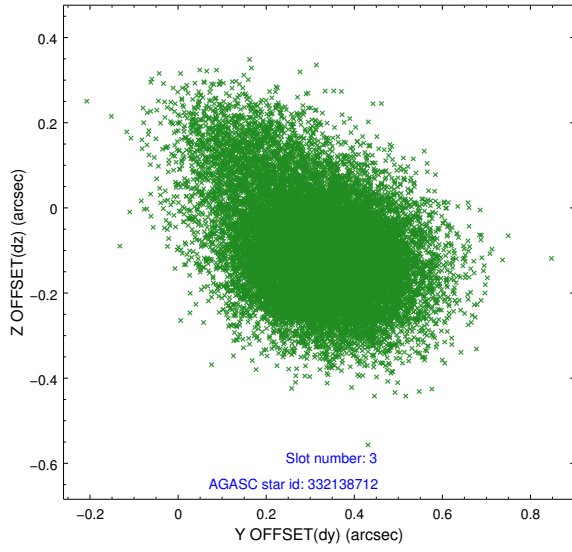


Slot Statistics

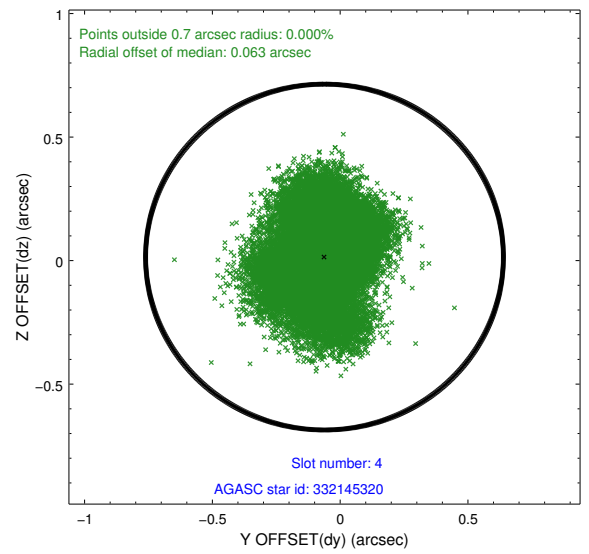
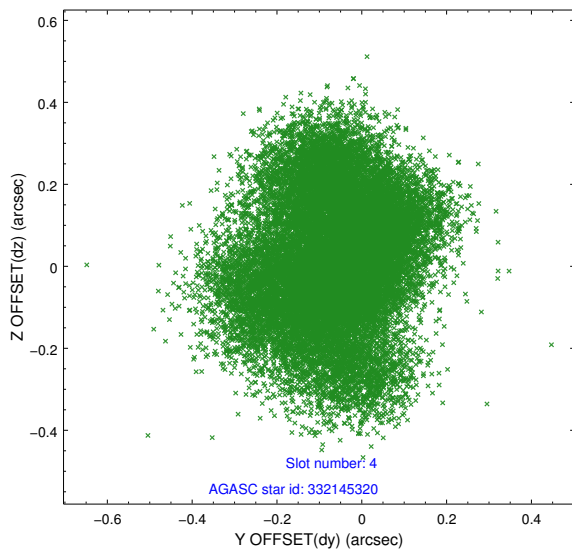
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.99	9865	0.165	-0.072	0.007	0.013	0.000000	0.000000	925.85	-1733.15
1	FID	ACIS-S-2	6.92	9864	-0.086	0.026	0.007	0.012	0.000000	0.000000	-770.29	-1737.62
2	FID	ACIS-S-5	7.03	9865	-0.104	0.053	0.009	0.016	0.000000	0.000000	-1823.57	164.51
3	GUIDE	332138712	10.18	19595	0.324	-0.108	0.166	0.309	194.573792	36.955069	2302.92	281.92
4	GUIDE	332145320	9.88	19667	-0.061	0.014	0.206	0.319	194.513311	36.540533	2357.40	1783.66
5	GUIDE	332147424	9.67	19694	-0.176	0.122	0.138	0.218	195.275610	37.396069	429.58	-1468.54
6	GUIDE	332148576	8.25	19659	-0.057	0.187	0.095	0.151	195.592746	37.345278	-490.42	-1367.42
7	GUIDE	332136928	9.20	19644	-0.022	-0.223	0.119	0.189	196.243969	37.272527	-2372.18	-1282.49

2.4 Star Slots

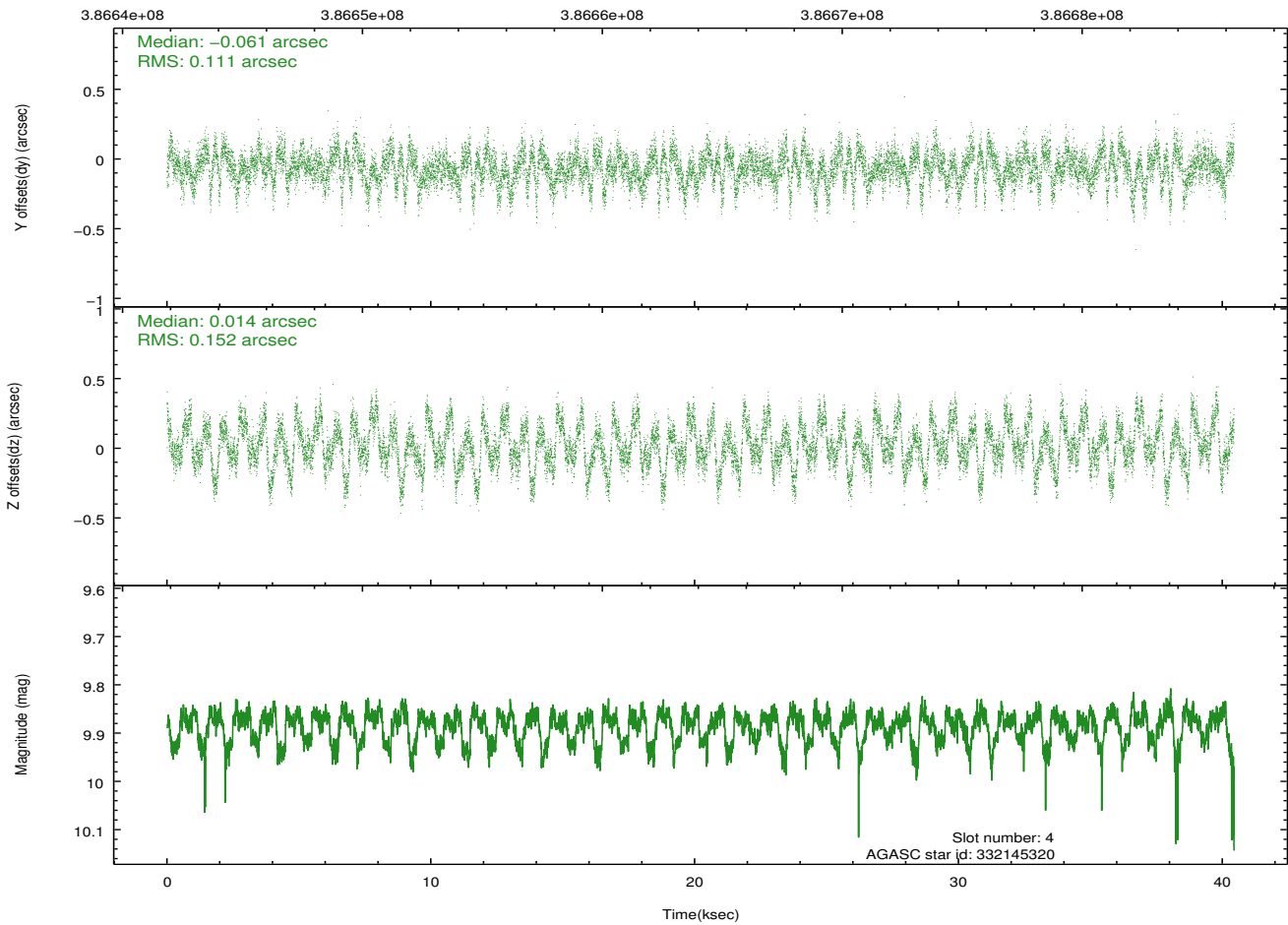
2.4.1 Slot 3



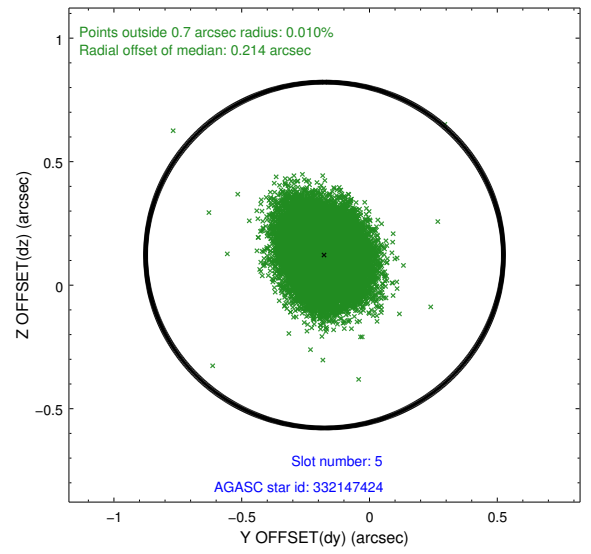
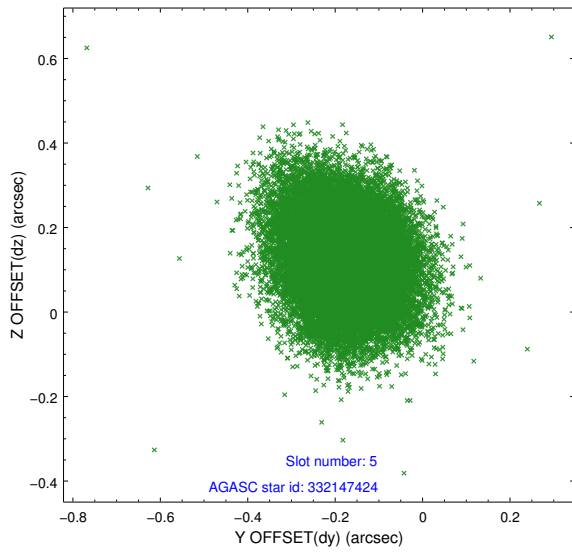
2.4.2 Slot 4



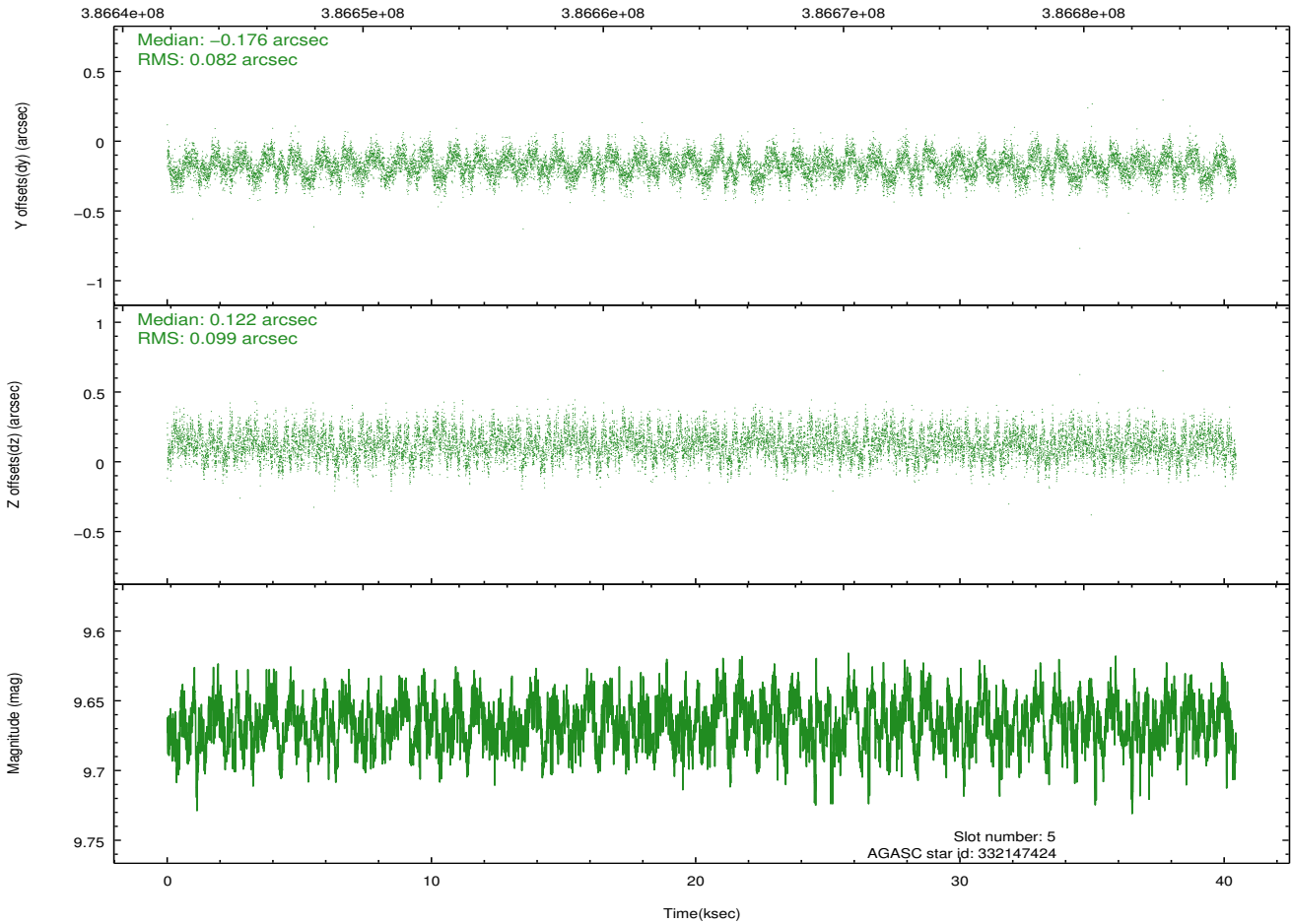
Time (s)



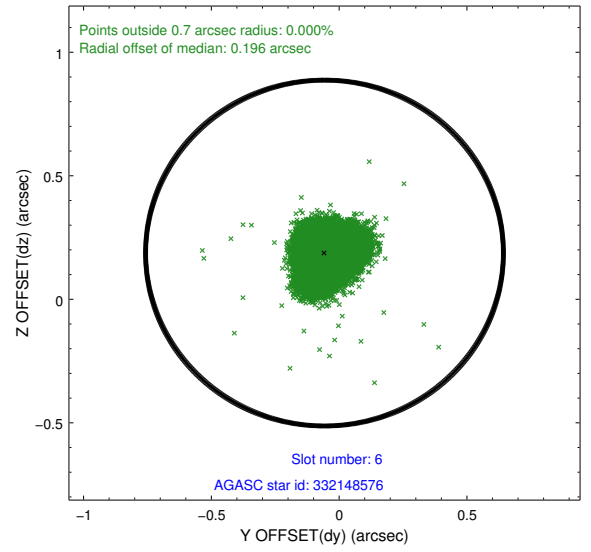
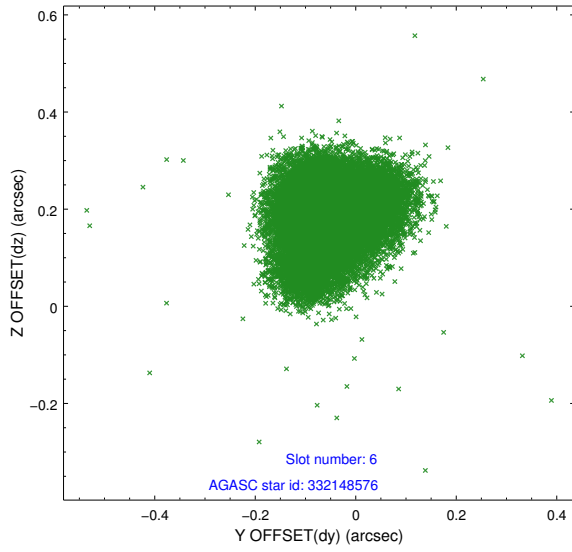
2.4.3 Slot 5



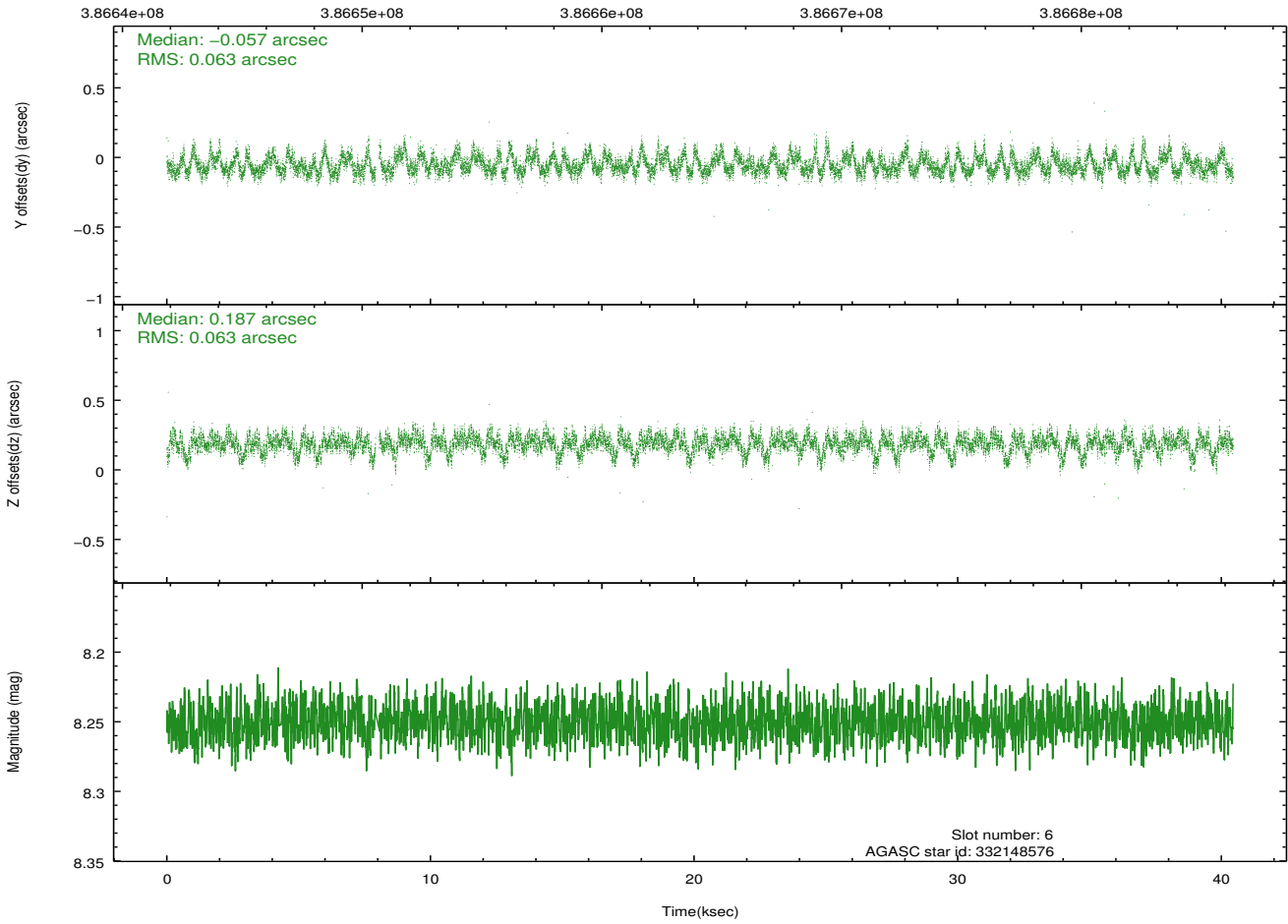
Time (s)



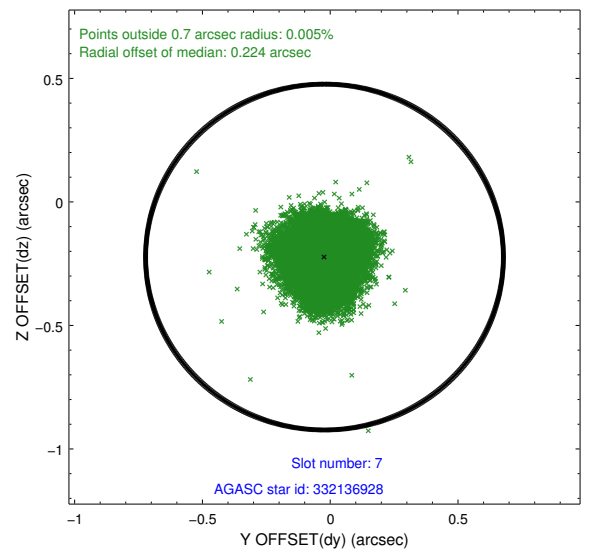
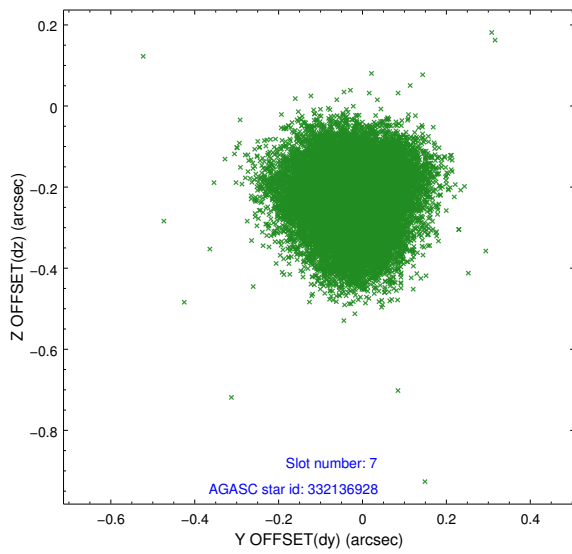
2.4.4 Slot 6



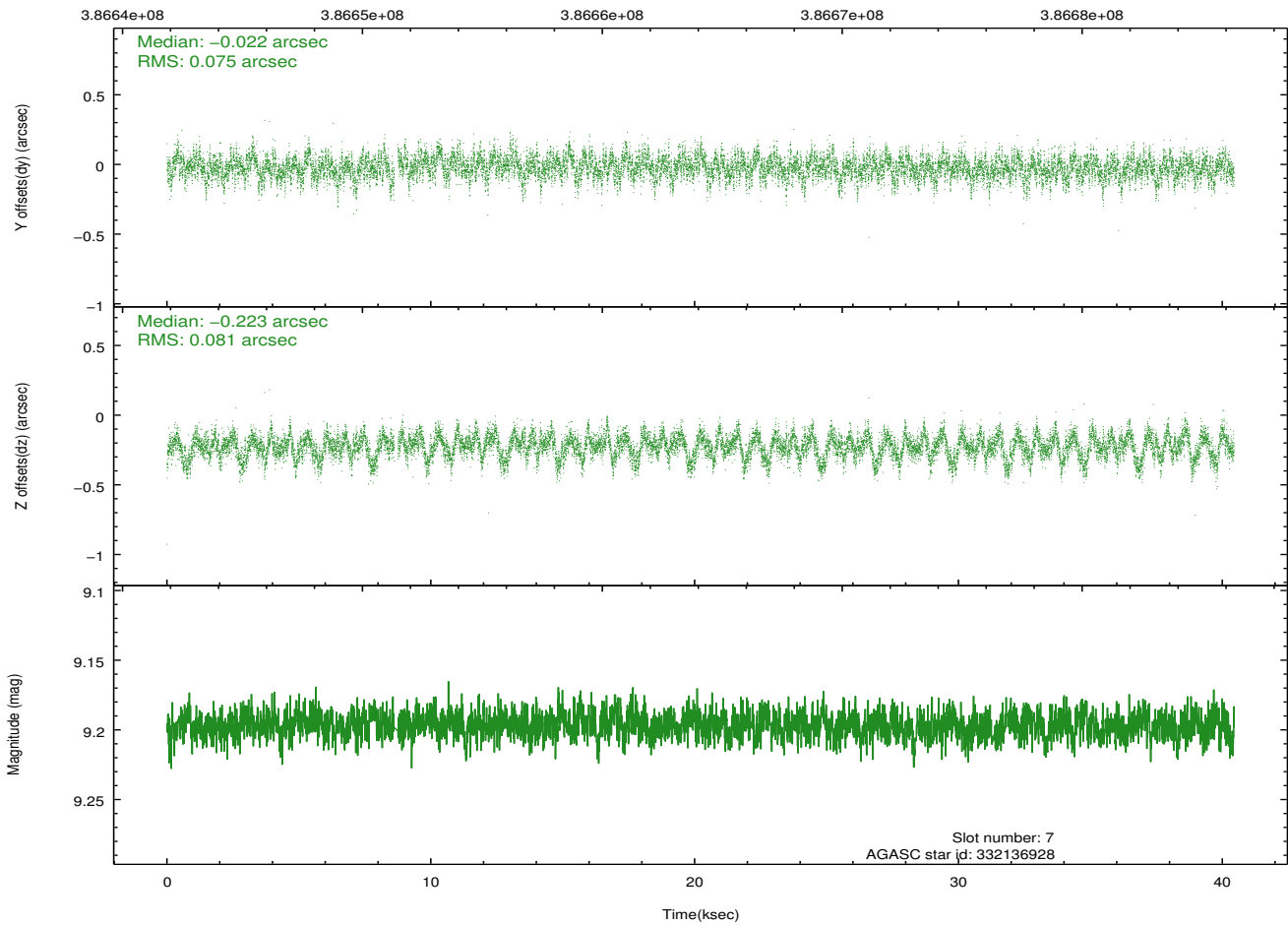
Time (s)



2.4.5 Slot 7

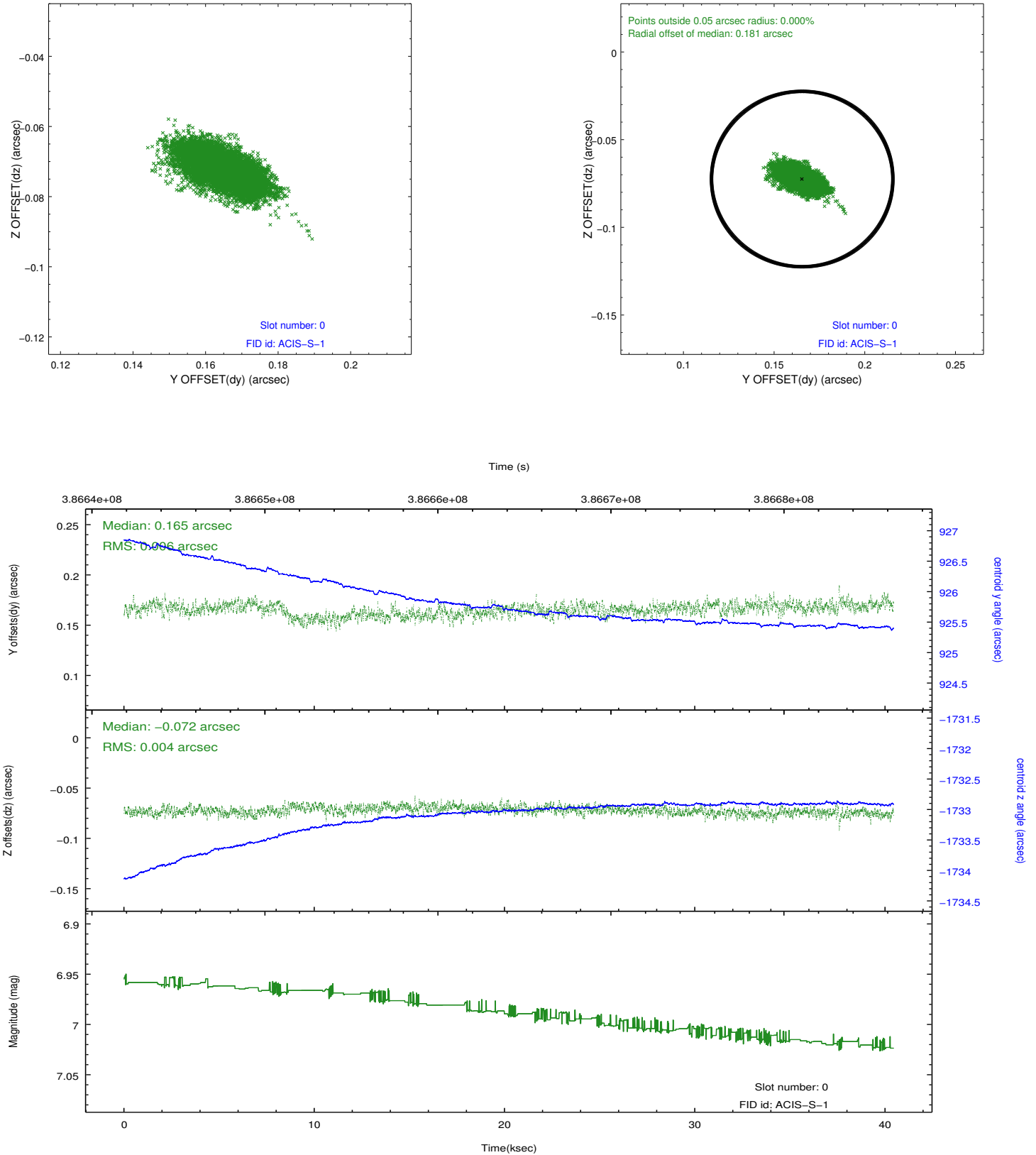


Time (s)

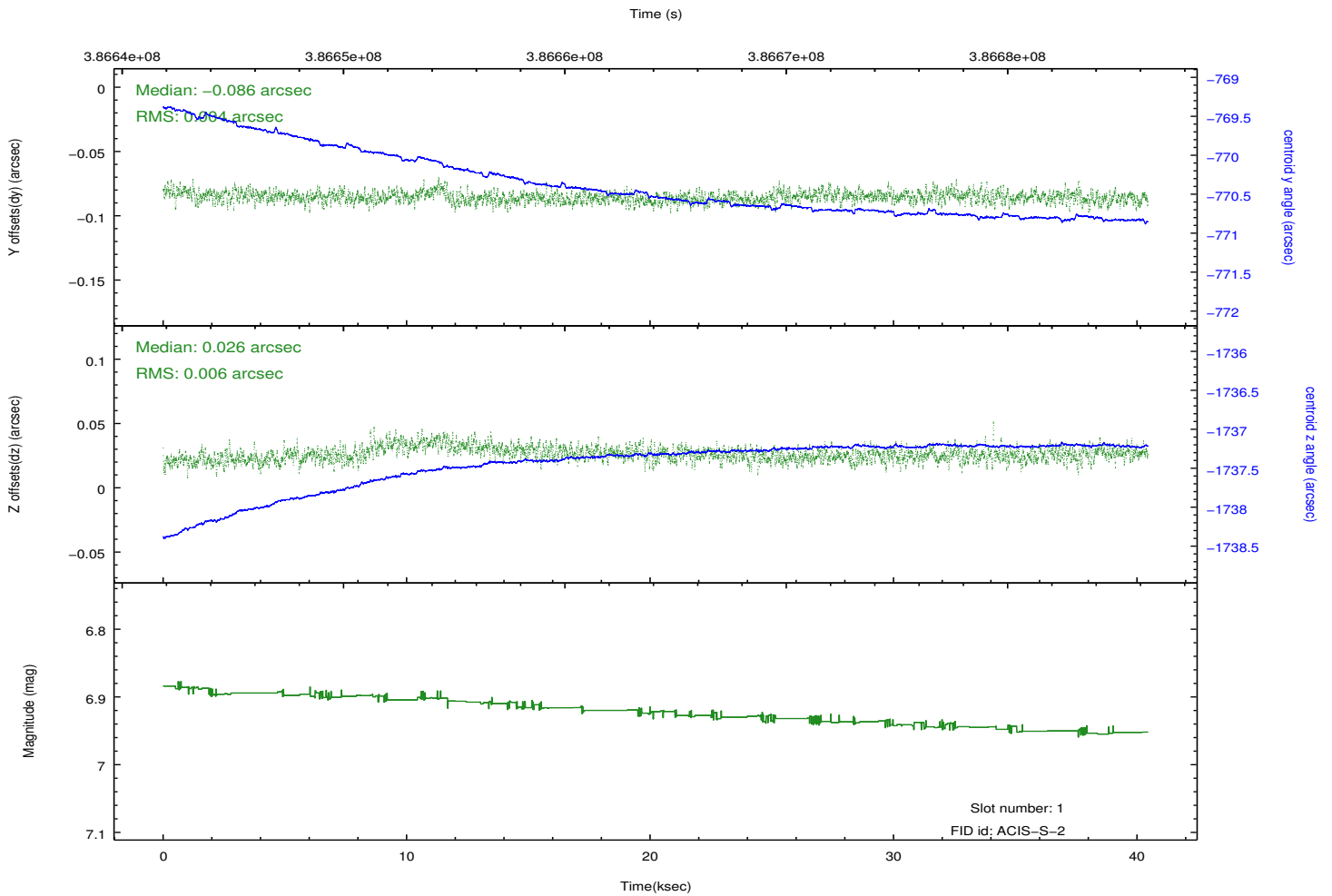
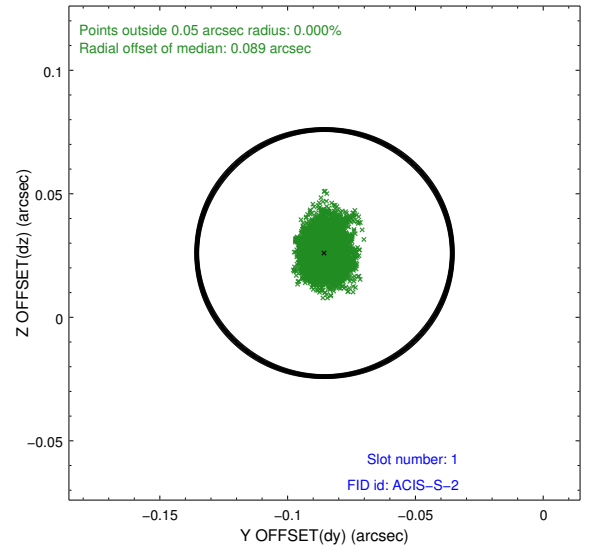
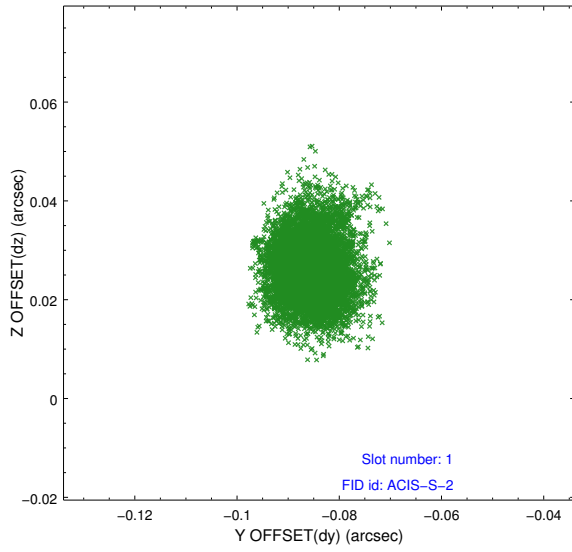


2.5 FID Slots

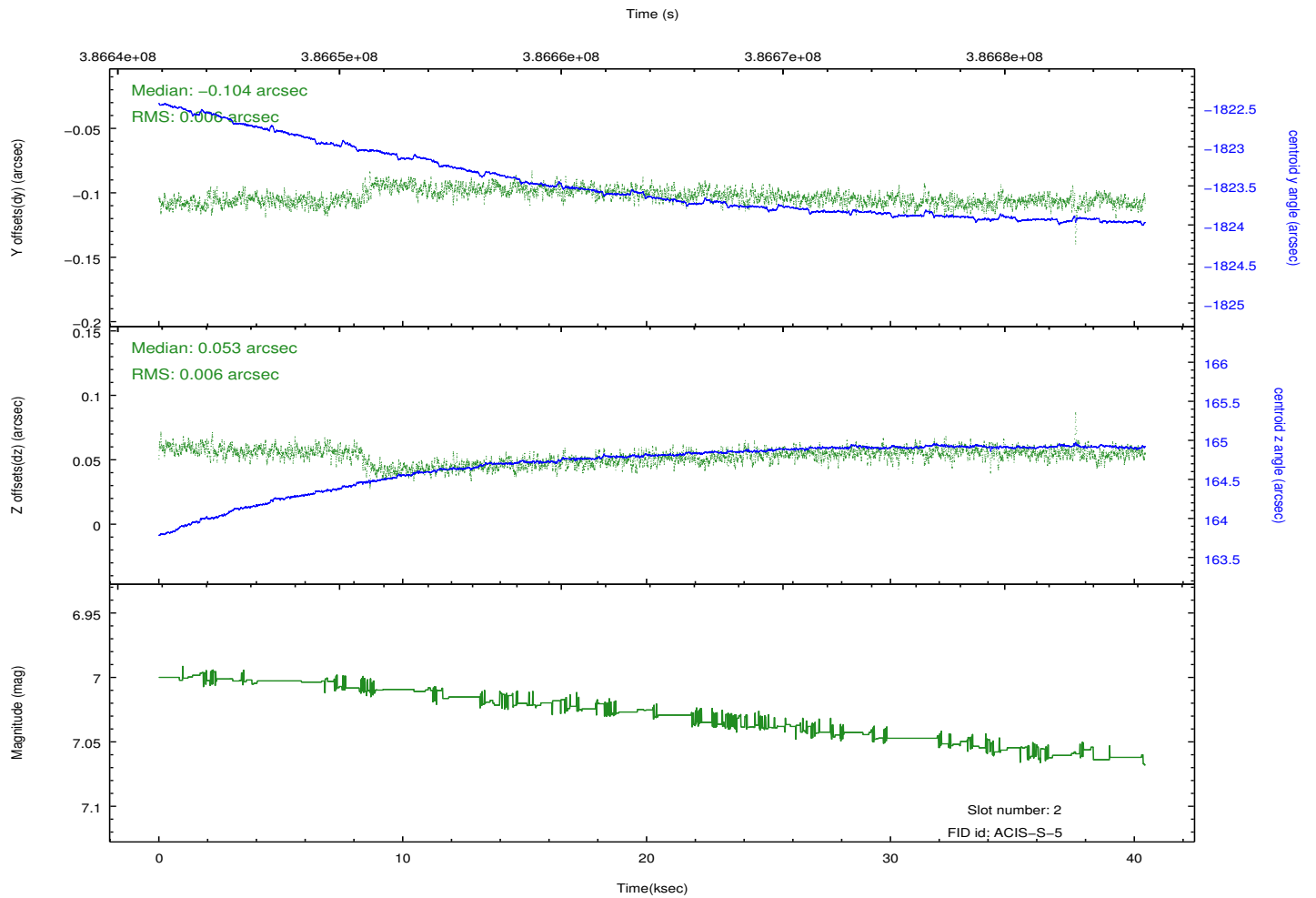
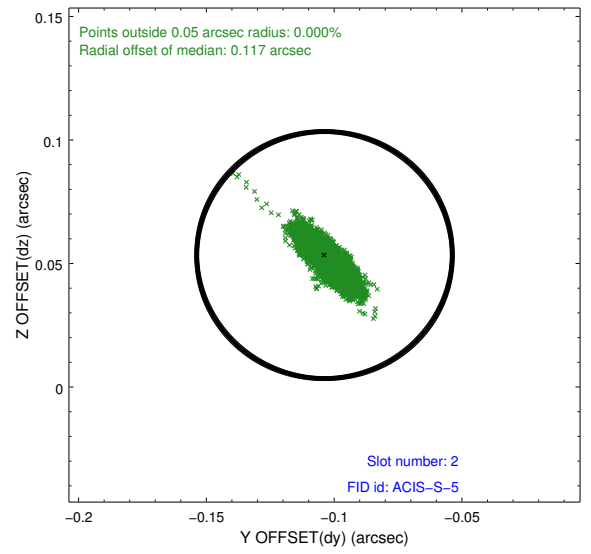
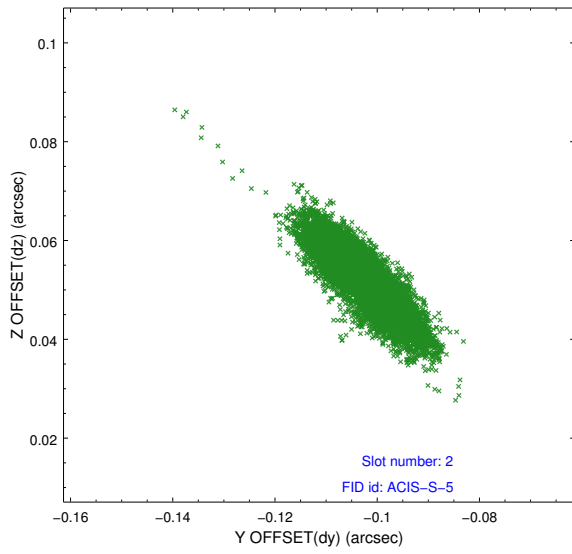
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.047999850869

A.2 Comments