

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8366 - L2 Version 3
Chandra X-Ray Center

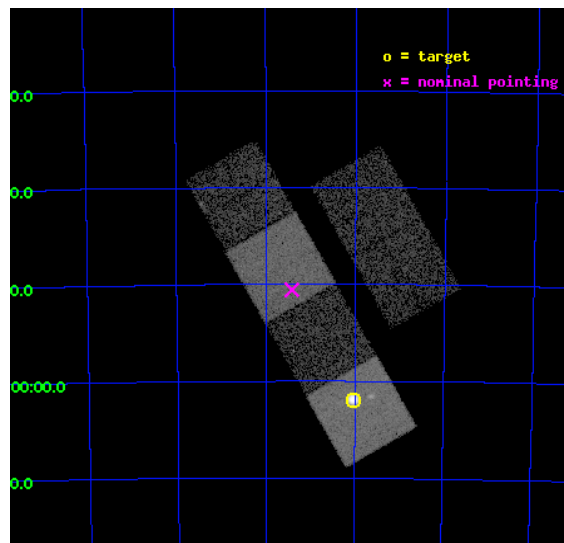
L2 Processing Date : Apr 19 2012

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1 Front

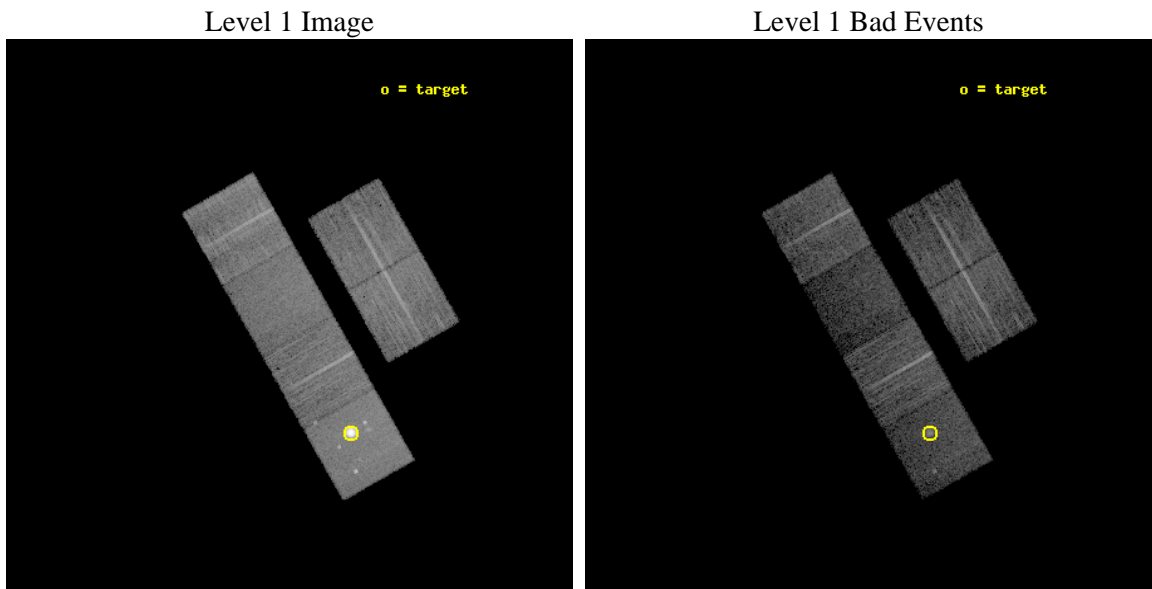
seq_num	590459	Sequence number
obs_id	8366	Observation id
title	AO8 Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72[S1,-120,13.29,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	16.355461650338	Nominal RA [deg]
dec_nom	-71.842794227712	Nominal Dec [deg]
roll_nom	240.38416865115	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8342.3999689817	Sum of GTIs [s]
livetime	8236.7634773843	Livetime [s]
ontime2	8342.3999689817	Sum of GTIs [s]
ontime3	8342.3999689817	Sum of GTIs [s]
ontime5	8342.3999689817	Sum of GTIs [s]
ontime6	8342.3999689817	Sum of GTIs [s]
ontime7	8342.3999689817	Sum of GTIs [s]
ontime8	8342.3999689817	Sum of GTIs [s]
l2events	125373	Number of level 2 events



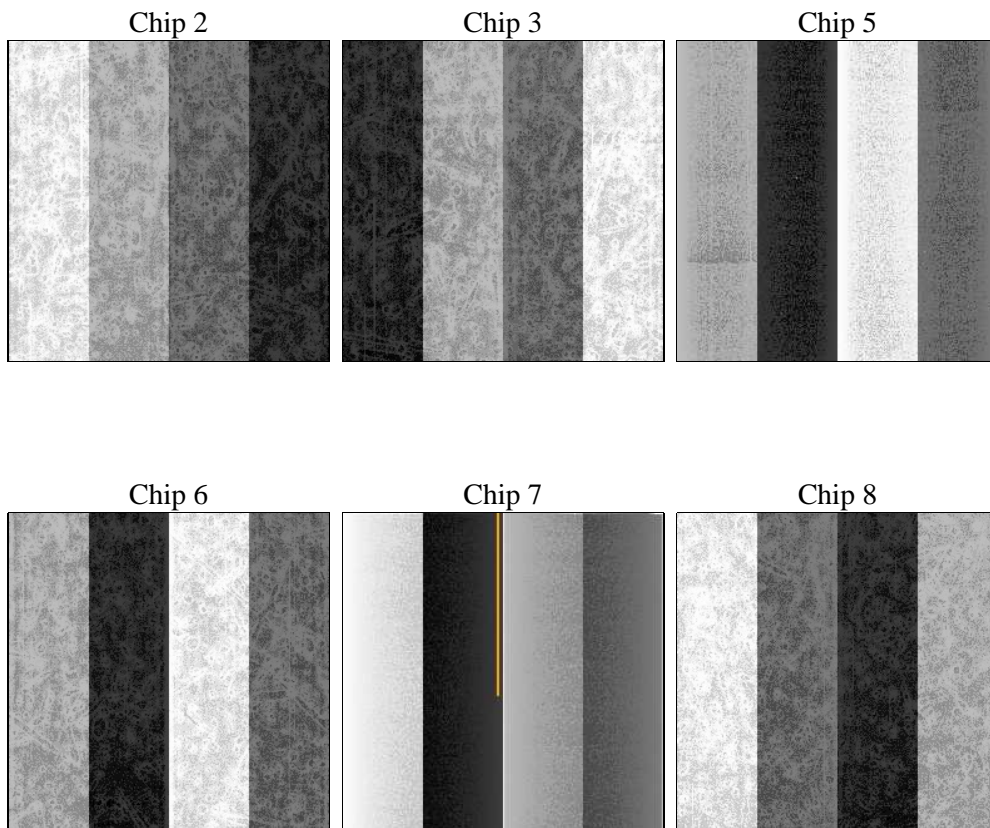
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8342.3999689817	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	8342.3999689817	Sum of GTIs [s]
date	2012-04-19T14:34:12	Date and time of file creation	ontime3	8342.3999689817	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	8342.3999689817	Sum of GTIs [s]
			ontime6	8342.3999689817	Sum of GTIs [s]
			ontime7	8342.3999689817	Sum of GTIs [s]
			ontime8	8342.3999689817	Sum of GTIs [s]
			l1events	438337	Number of level 1 events

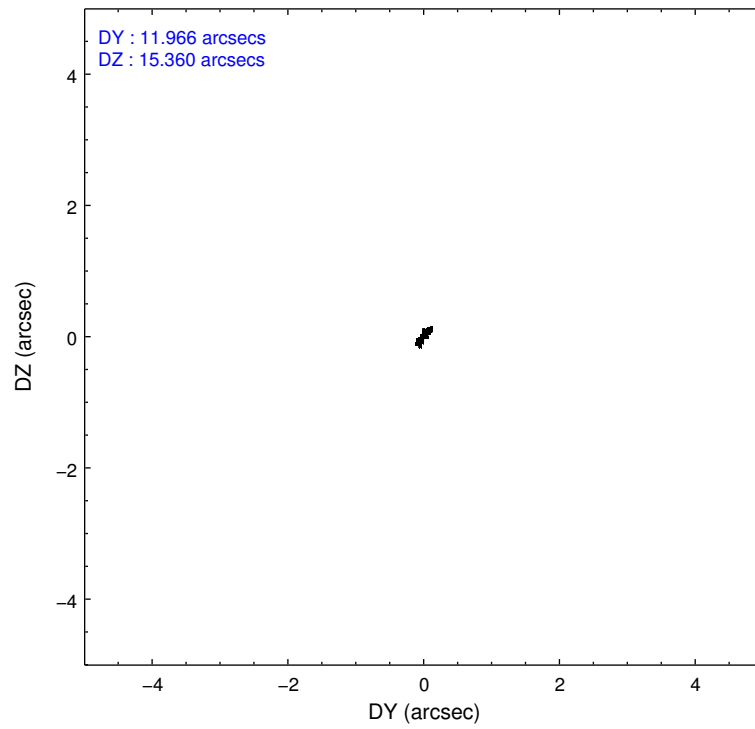
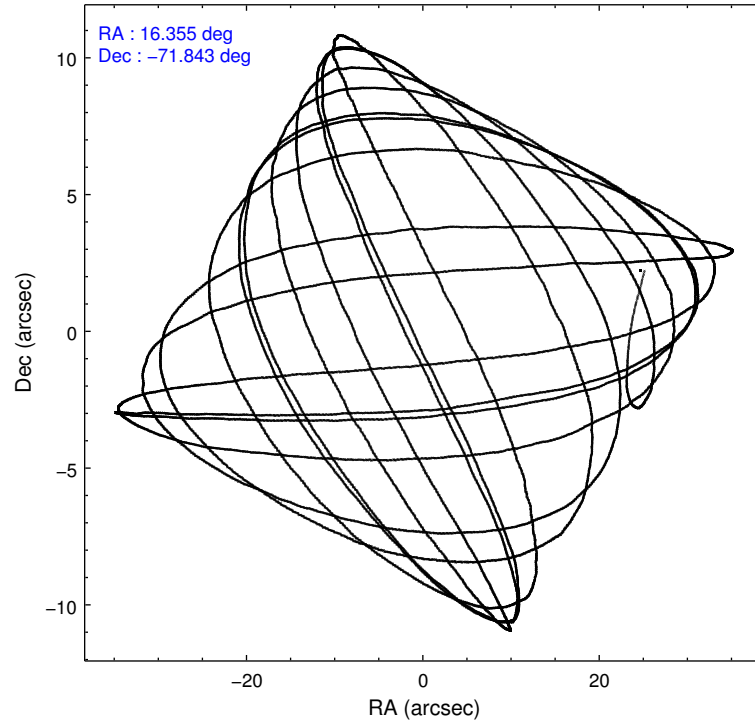
2.1.4 Events

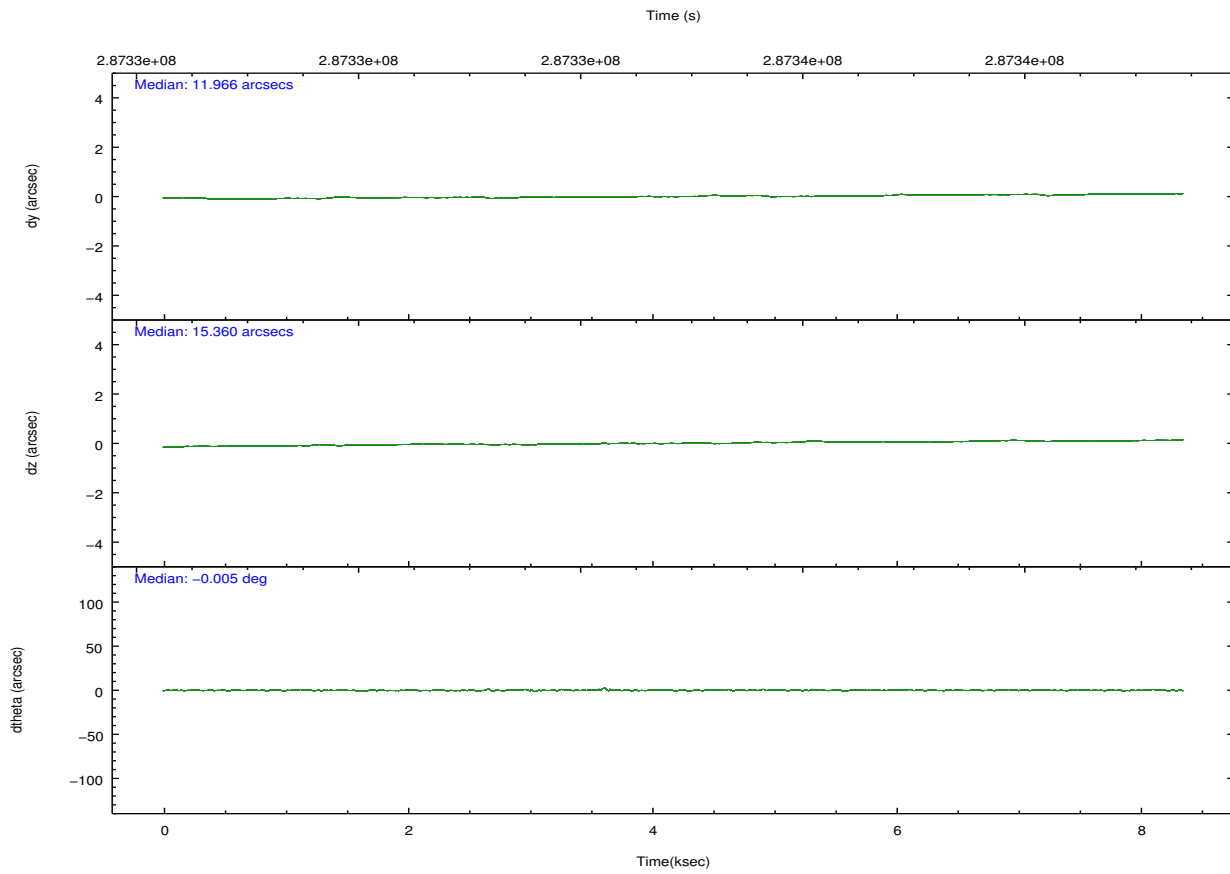
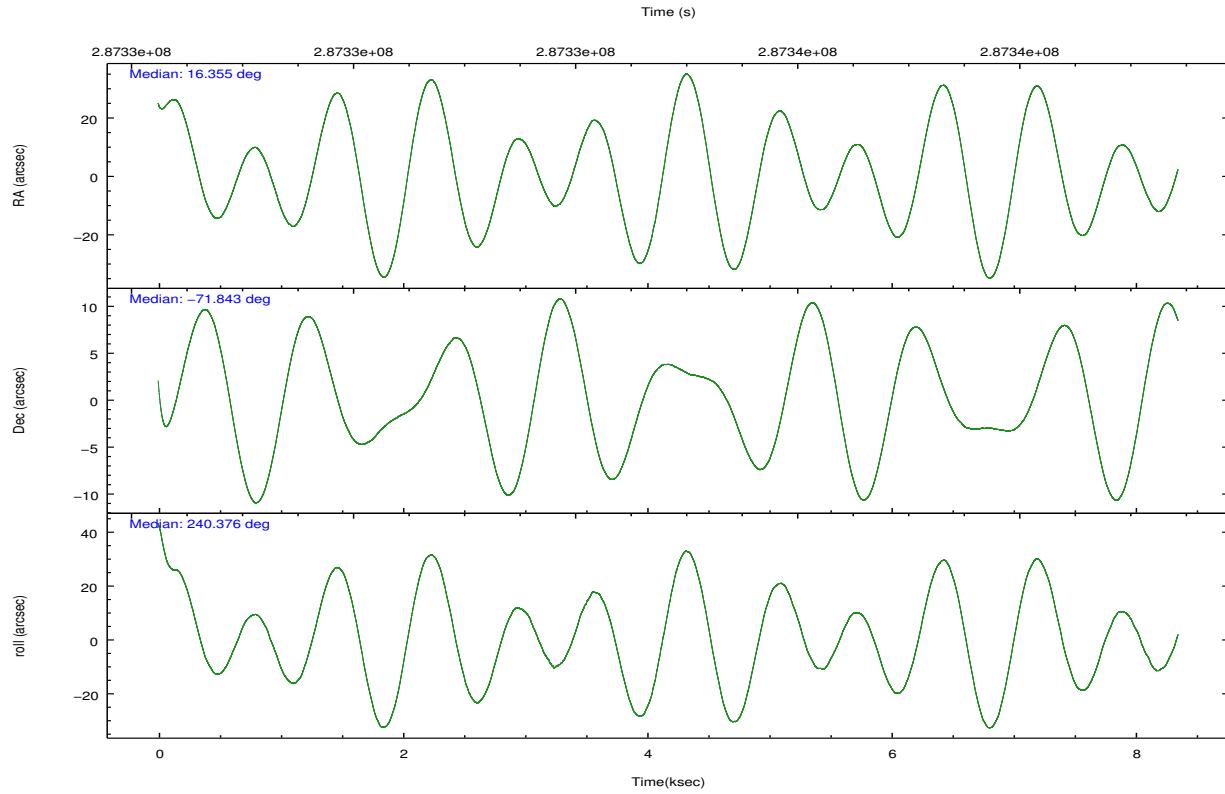
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	65454	56468	123434	61214	57971	73796	grade 0 events	2261	2006	26066	2382	3063	5105
rejected events	59524	51139	39209	55244	30127	55752		3%	3%	21%	3%	5%	6%
rejected %	90%	90%	31%	90%	51%	75%	grade 1 events	42	31	286	49	91	47
								0%	0%	0%	0%	0%	0%
							grade 2 events	1444	1217	25122	1327	6021	4401
								2%	2%	20%	2%	10%	5%
							grade 3 events	650	637	5636	665	2773	2082
								0%	1%	4%	1%	4%	2%
							grade 4 events	691	587	5706	665	2726	1897
								1%	1%	4%	1%	4%	2%
							grade 5 events	1812	2075	6873	2081	6273	3022
								2%	3%	5%	3%	10%	4%
							grade 6 events	1046	1045	23805	1220	14217	5168
								1%	1%	19%	1%	24%	7%
							grade 7 events	57508	48870	29940	52825	22807	52074
								87%	86%	24%	86%	39%	70%

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	16.353601	16.35546165033787	CCD I2 on	Y	Y
[deg] Pointing Dec	-71.815514	-71.84279422771213	CCD I3 on	Y	Y
[deg] Pointing Roll	240.225756	240.3841686511535	CCD S0 on	N	N
[s] Window start time (MET)	281318465.184000	281318465.184000	CCD S1 on	Y	Y
[s] Window stop time (MET)	294278465.184000	294278465.184000	CCD S2 on	Y	Y
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S3 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S4 on	O1	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S5 on	N	N
[mm] SIM translation stage offset	0	0.00754346686406393	Number of optional ACIS chips dropped	0	0
[s] Observation start time (MET)	287330795.184000	287329616.77558	On-chip summing requested	N	N
Observation start date	2007-02-08T14:05:30	2007-02-08T13:46:56	Subarray requested	NONE	NONE
[s] Observation end time (MET)	287338995.184000	287339129.80104	Alternating exposures requested	N	N
Observation end date	2007-02-08T16:22:10	2007-02-08T16:25:29	[s] Primary exposure time	0.000000	3.2
Read mode	TIMED	TIMED			

2.3 Aspect





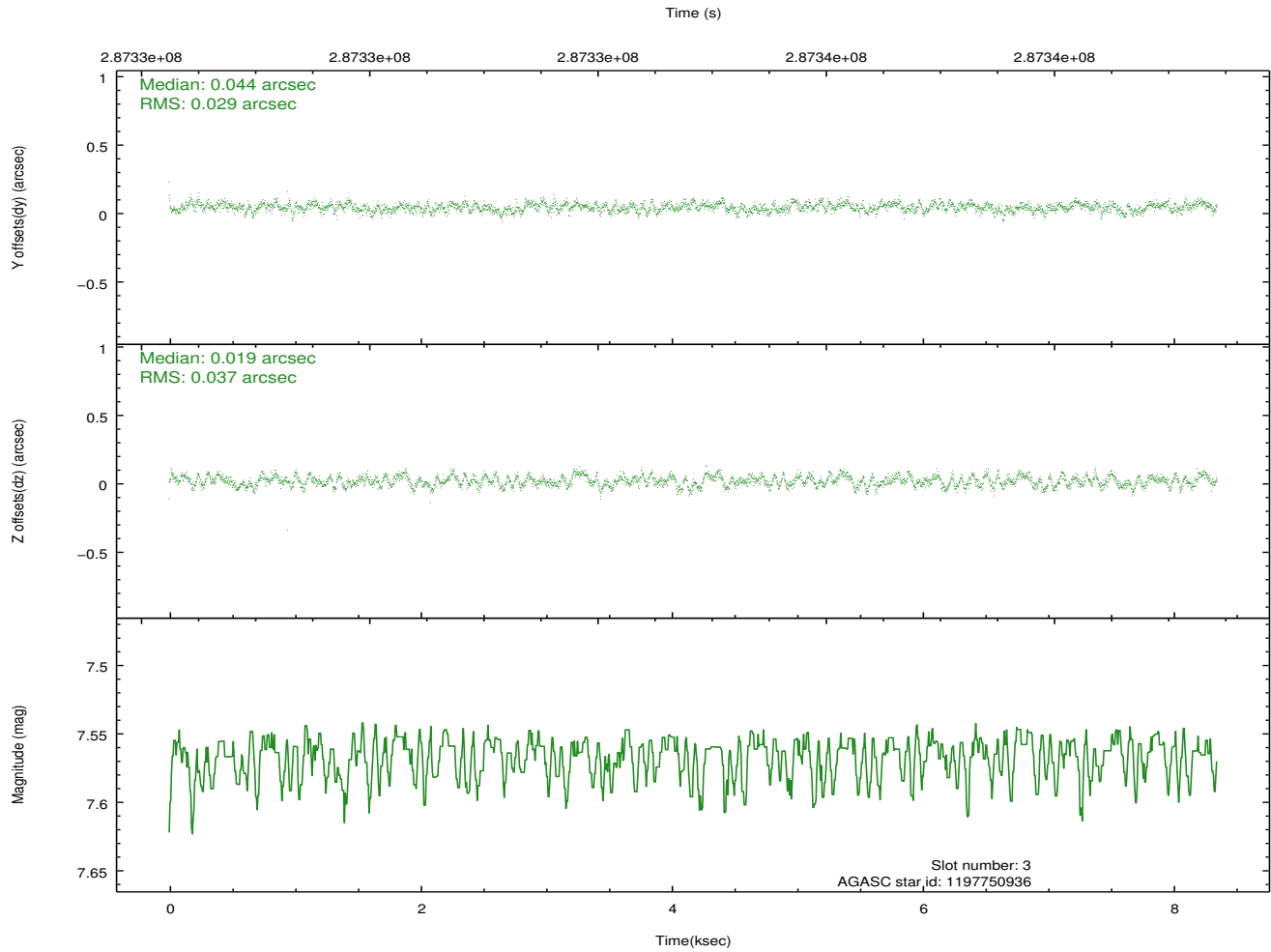
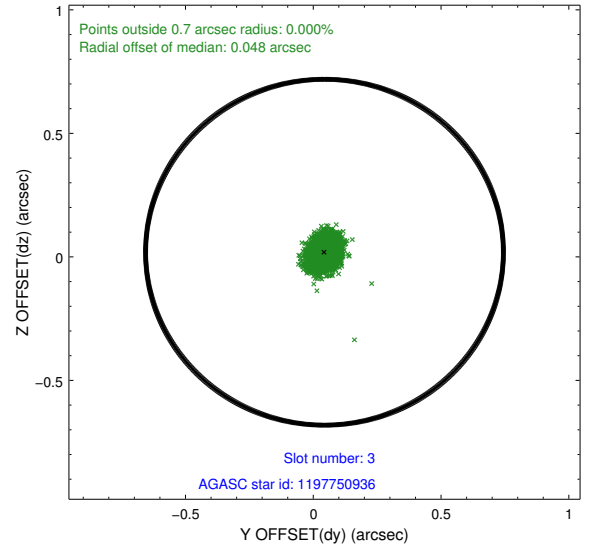
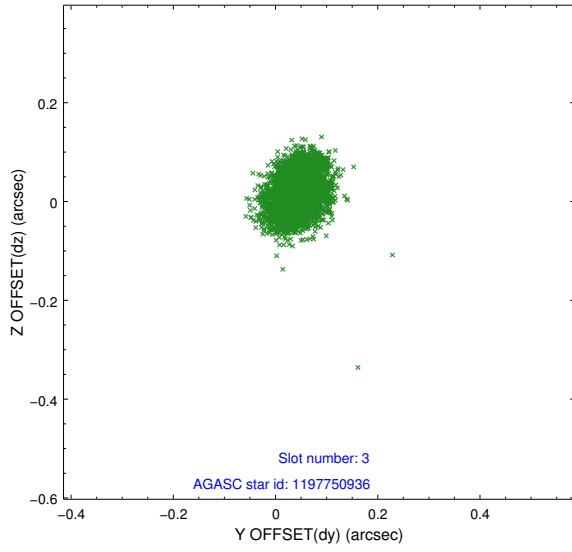
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	2037	-0.050	-0.025	0.007	0.010	0.000000	0.000000	-764.88	-1736.79
1	FID	ACIS-S-4	7.20	2037	0.144	0.031	0.006	0.010	0.000000	0.000000	2148.26	171.10
2	FID	ACIS-S-5	7.23	2038	-0.126	0.003	0.007	0.011	0.000000	0.000000	-1816.97	165.44
3	GUIDE	1197750936	7.57	4075	0.044	0.019	0.050	0.079	15.387940	-71.549550	-276.10	-1425.79
4	GUIDE	1197884536	8.50	4074	-0.052	-0.034	0.055	0.092	17.160729	-71.835289	-382.46	824.19
5	GUIDE	1197884712	8.30	4074	-0.014	-0.085	0.067	0.108	16.087398	-72.252690	1512.06	528.74
6	GUIDE	1197885328	7.25	4075	0.068	0.139	0.057	0.088	16.283090	-71.733943	-214.99	-214.11
7	GUIDE	1198283128	7.76	4074	-0.046	-0.043	0.073	0.110	17.272580	-72.642428	2100.51	2339.04

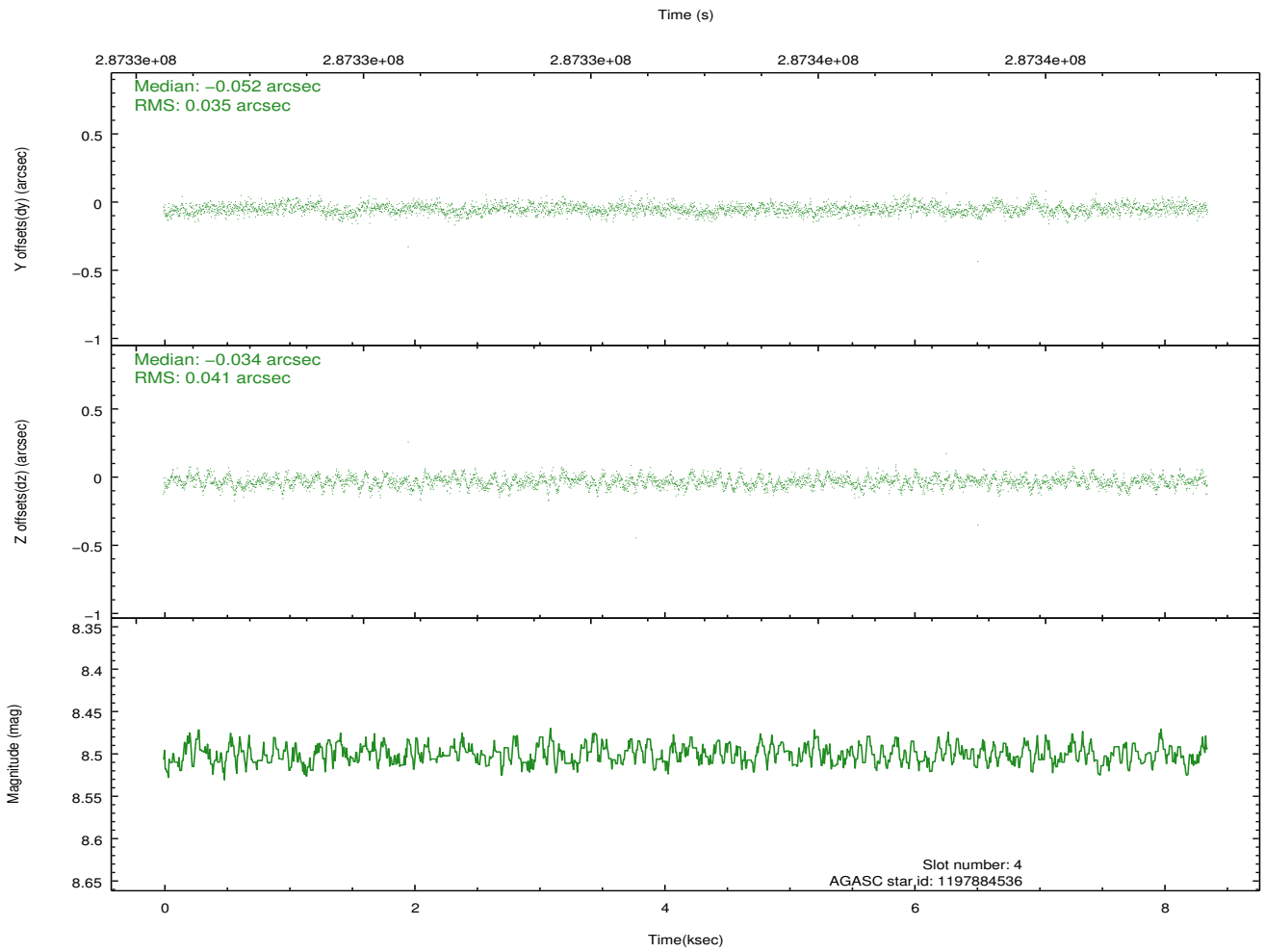
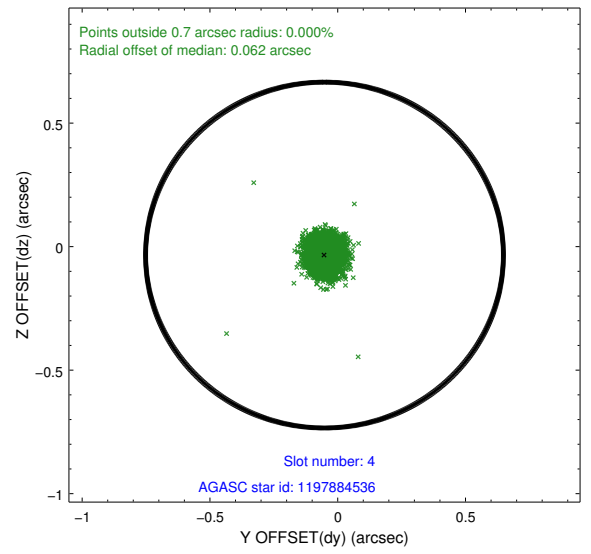
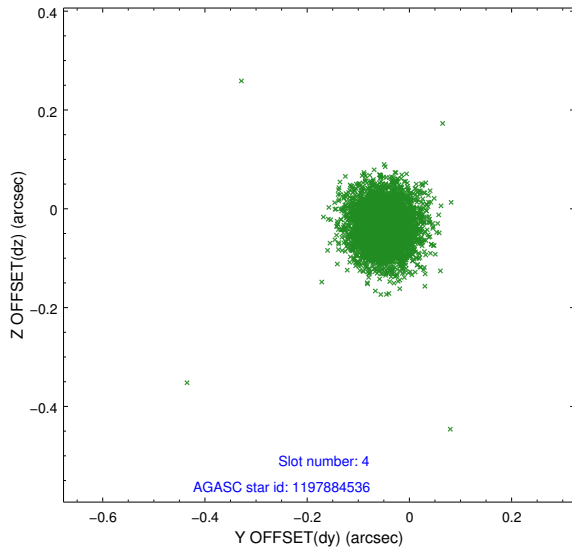
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2.4 Star Slots

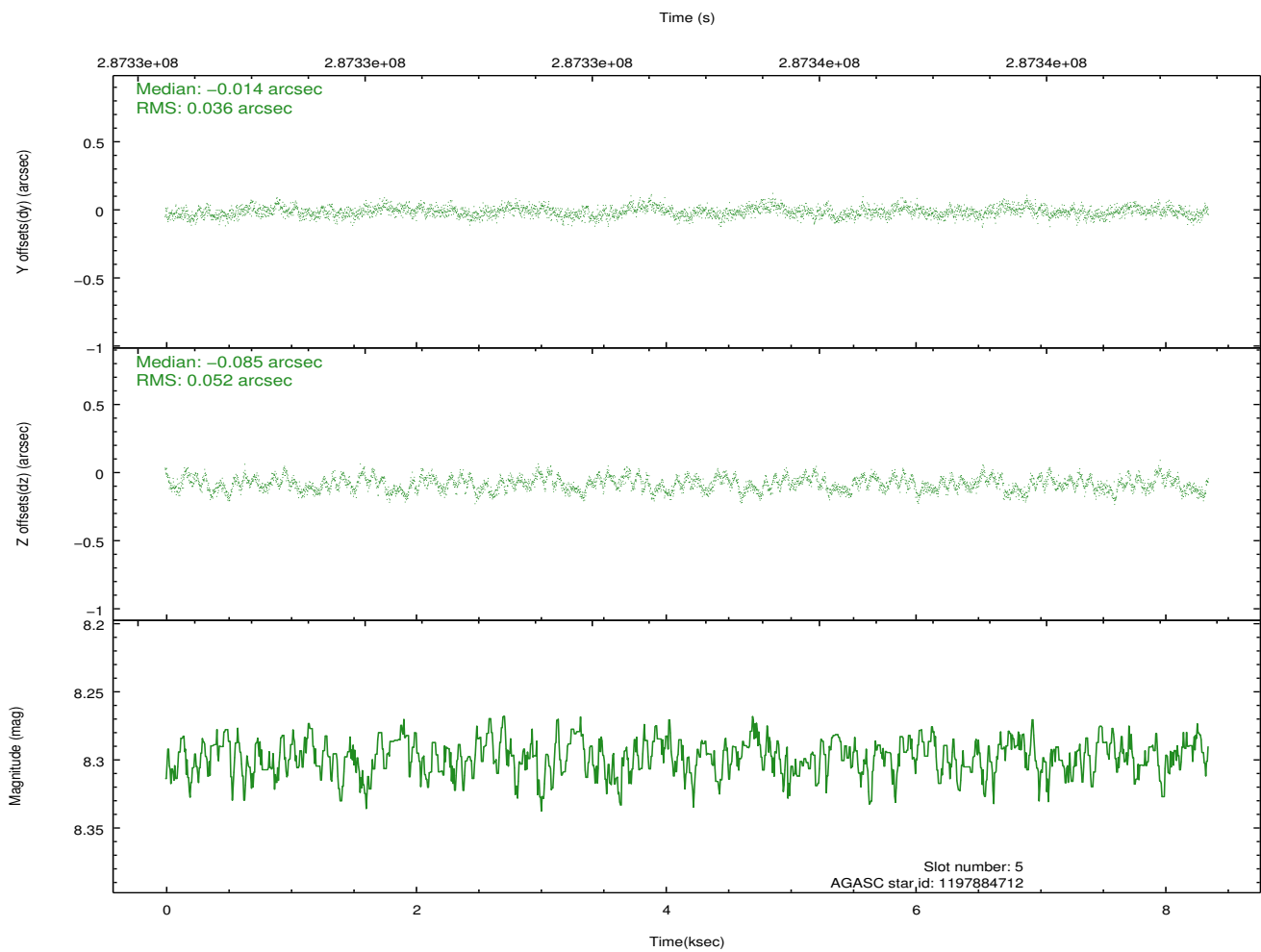
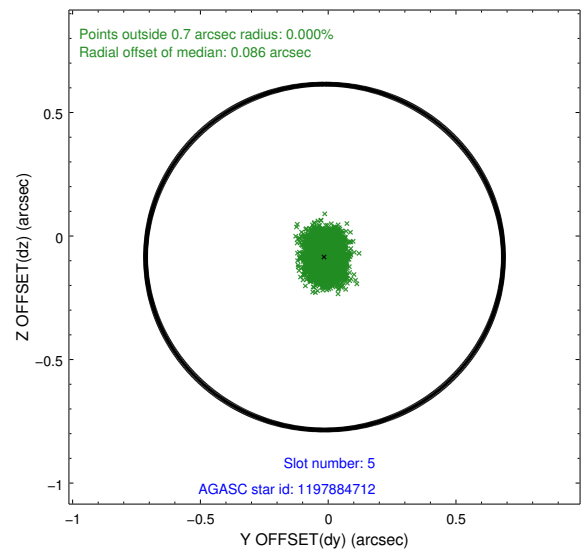
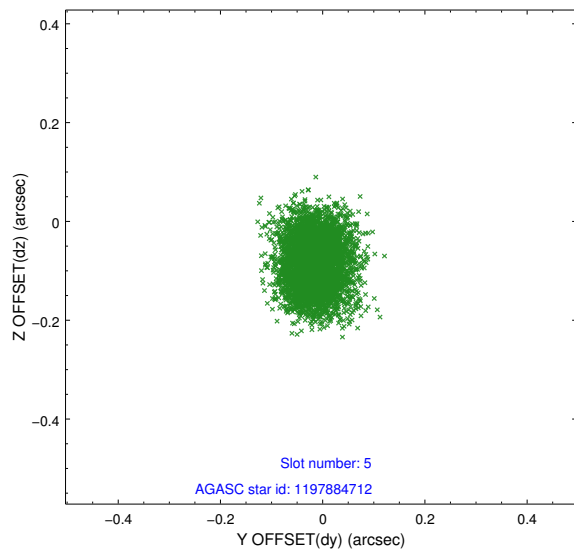
2.4.1 Slot 3



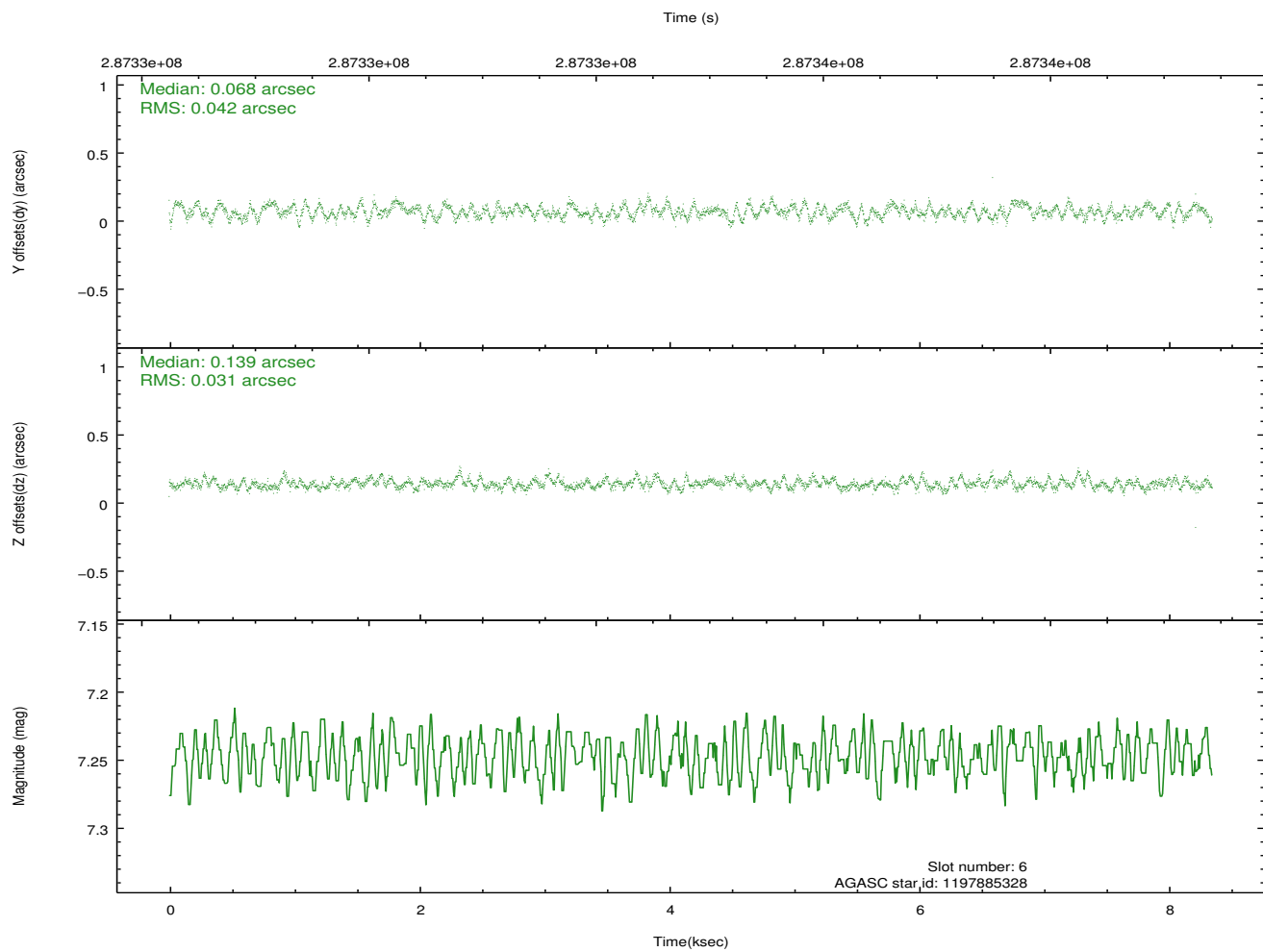
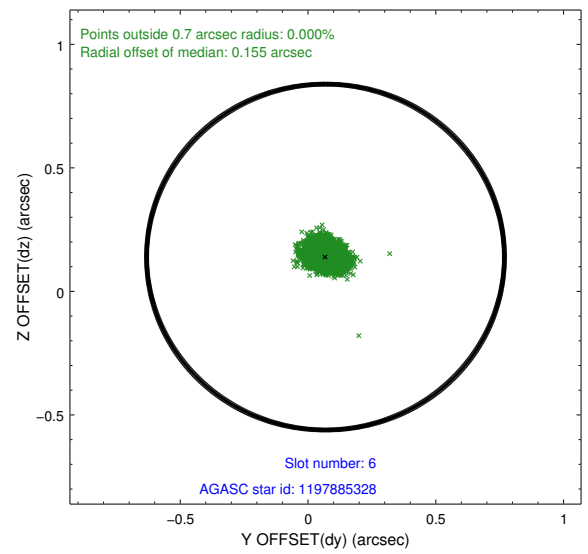
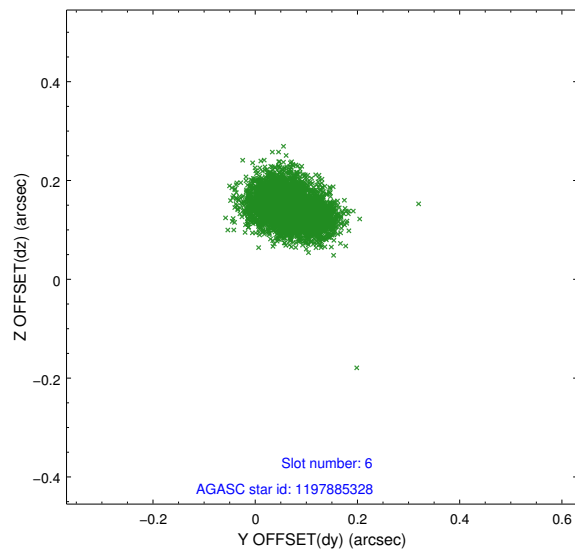
2.4.2 Slot 4



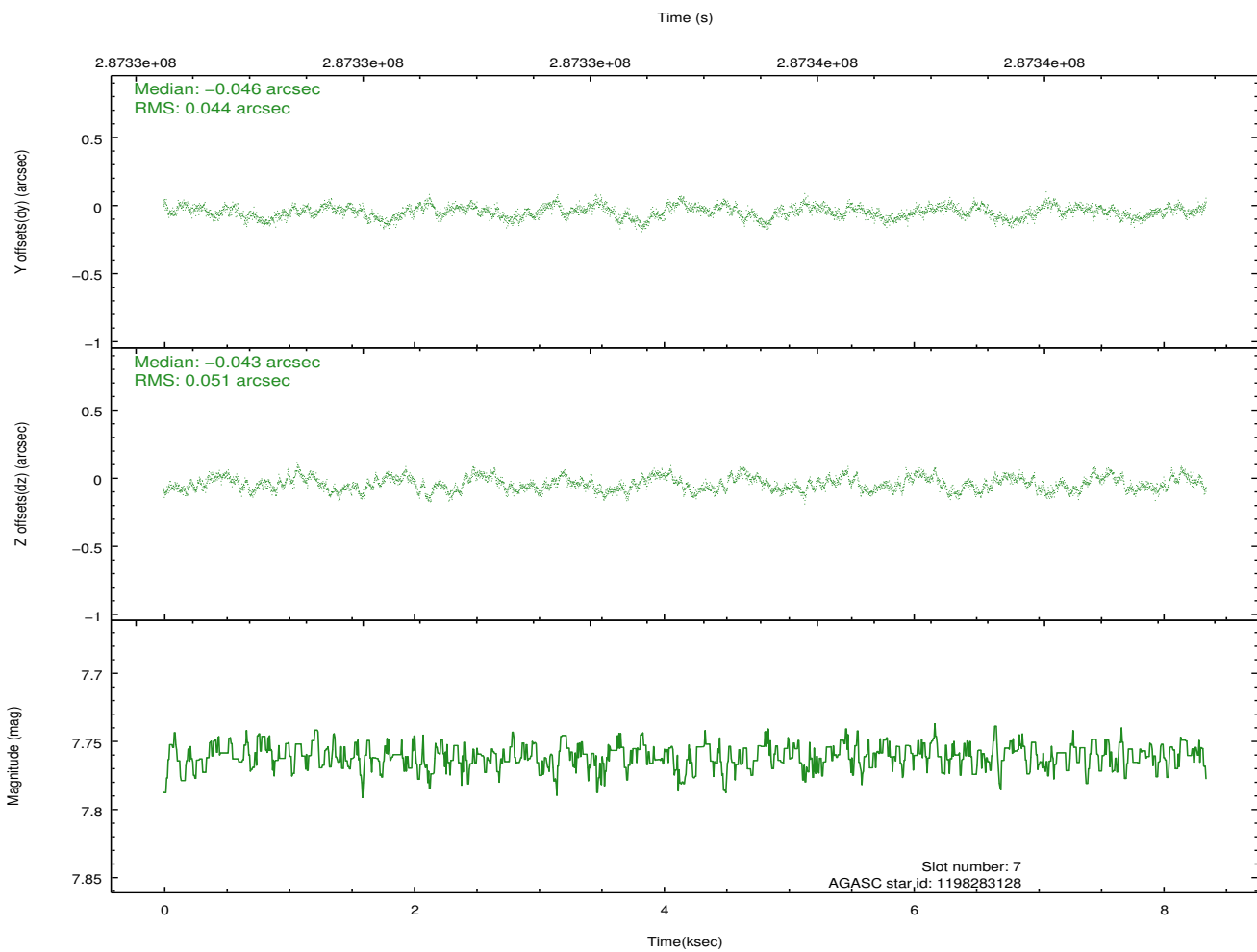
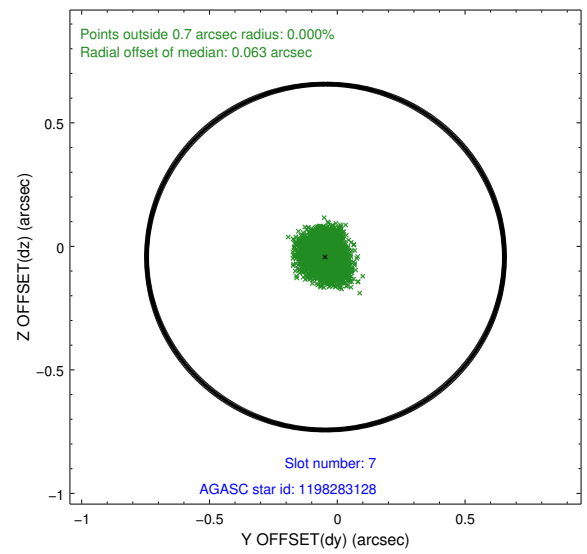
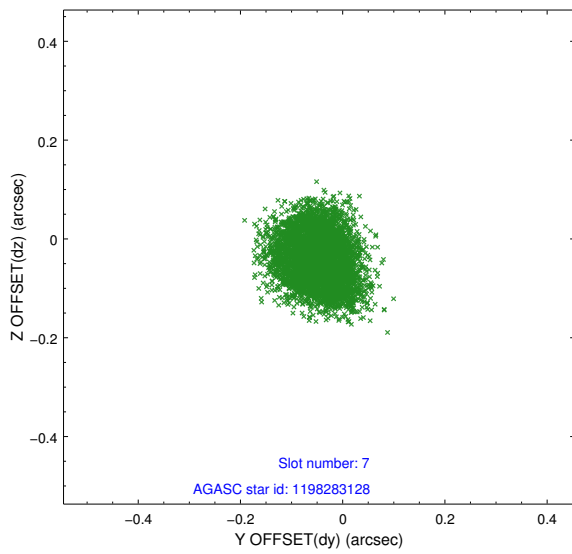
2.4.3 Slot 5



2.4.4 Slot 6

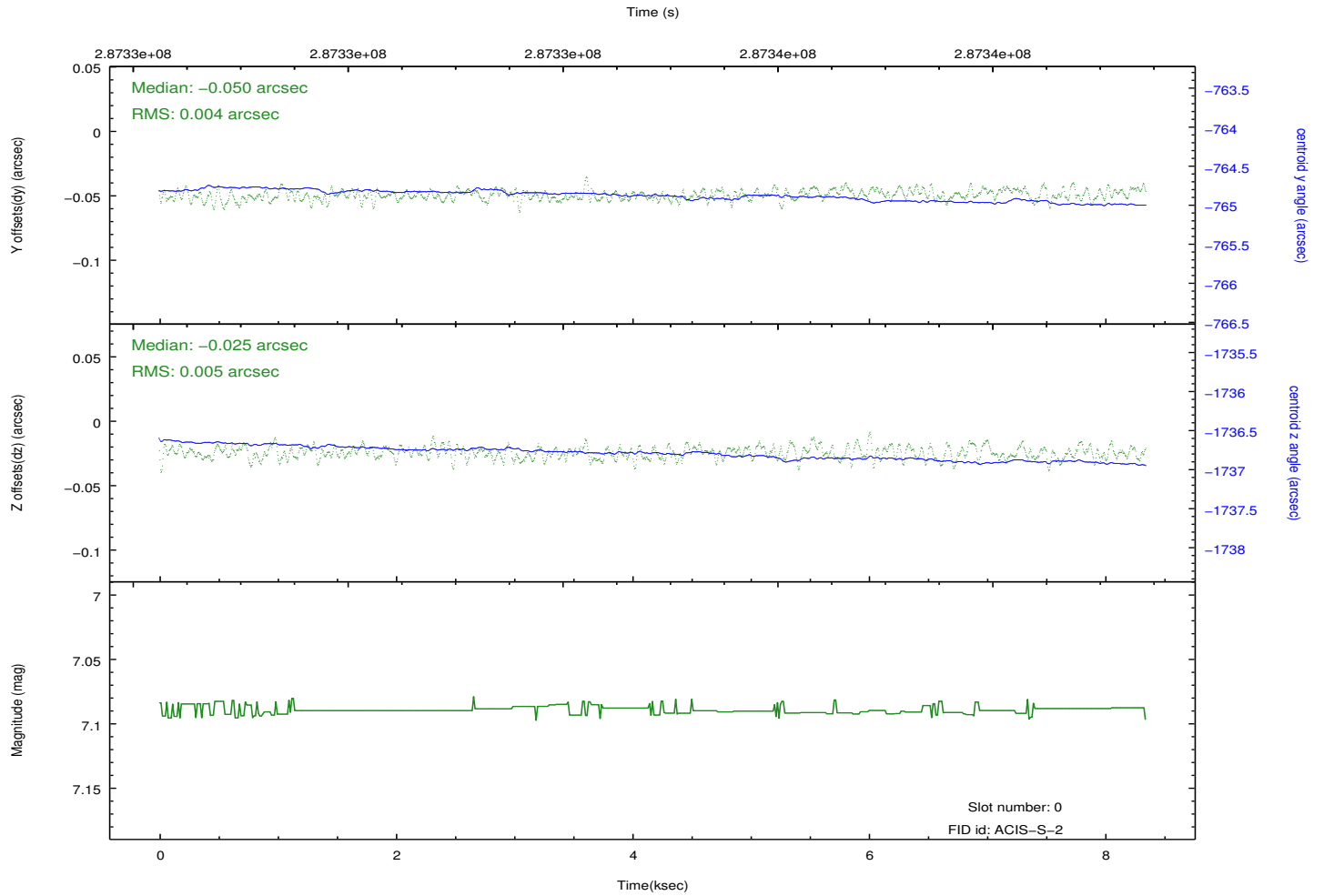
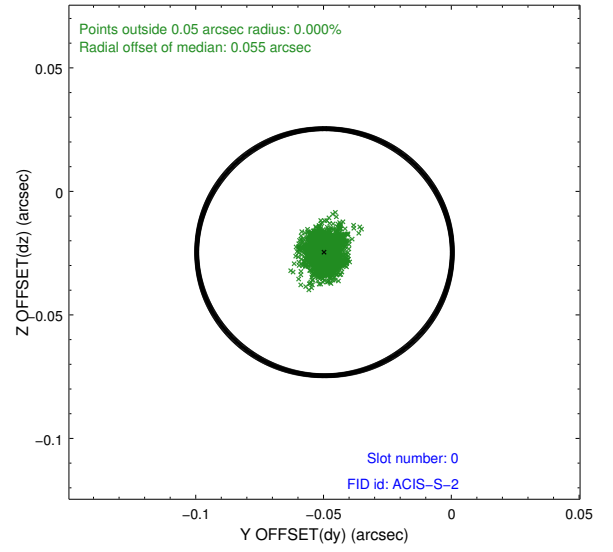
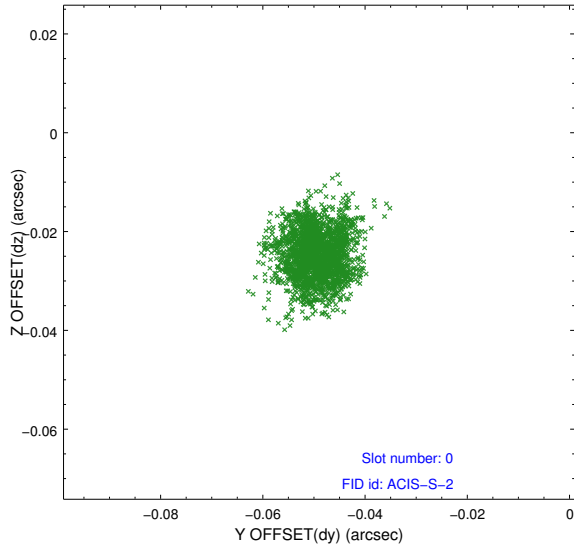


2.4.5 Slot 7

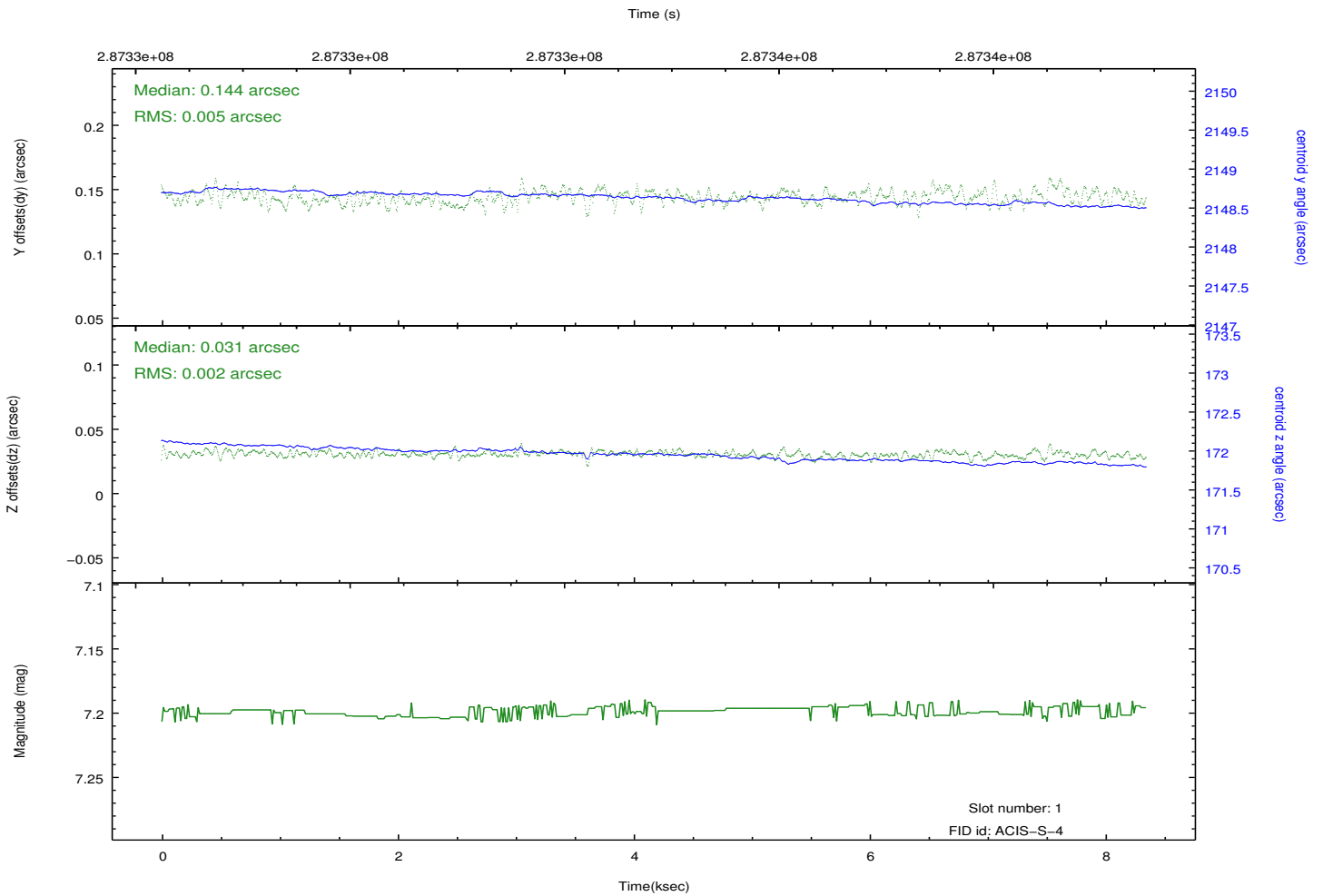
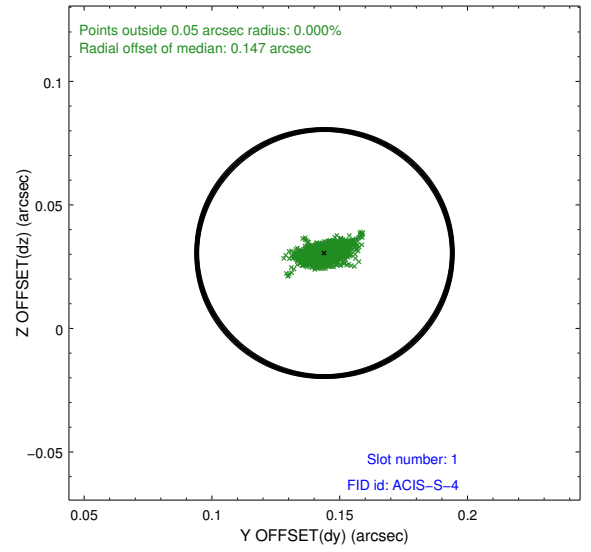
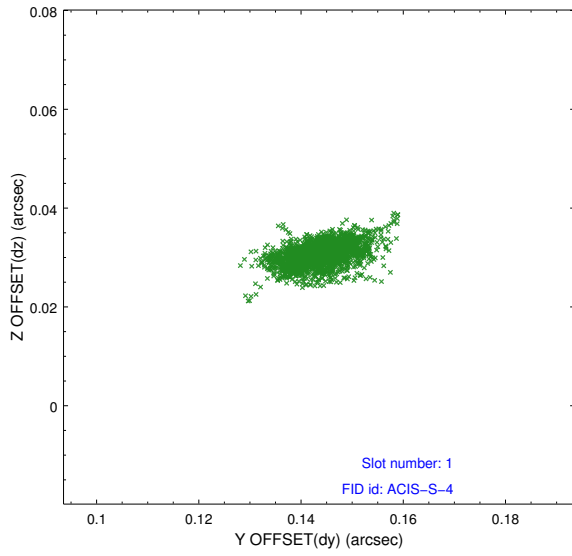


2.5 FID Slots

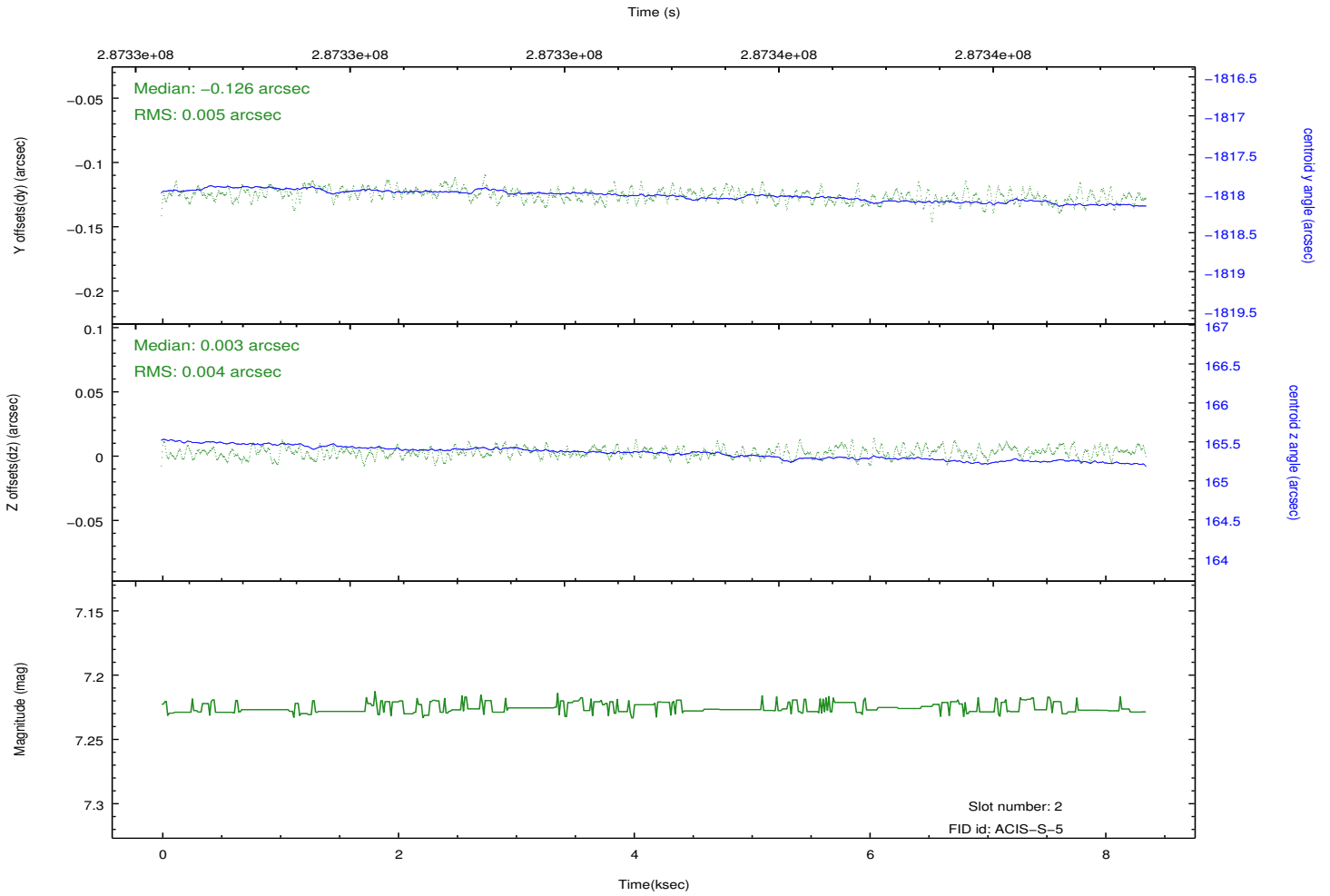
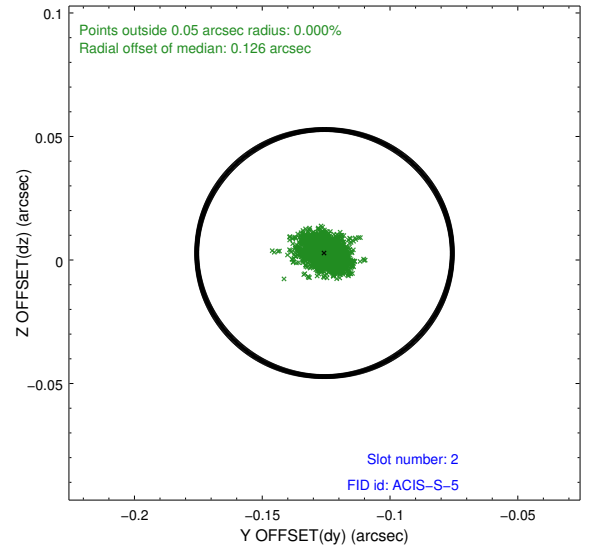
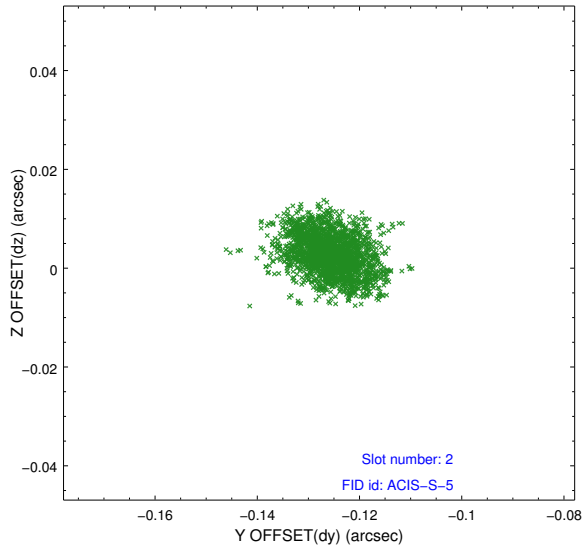
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.34239996

A.2 Comments

Window preference met.