

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12547 - L2 Version 2
Chandra X-Ray Center

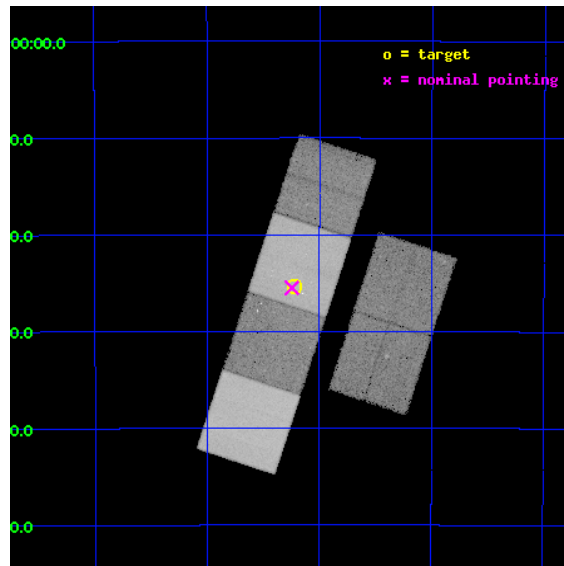
L2 Processing Date : Feb 18 2012

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1 Front

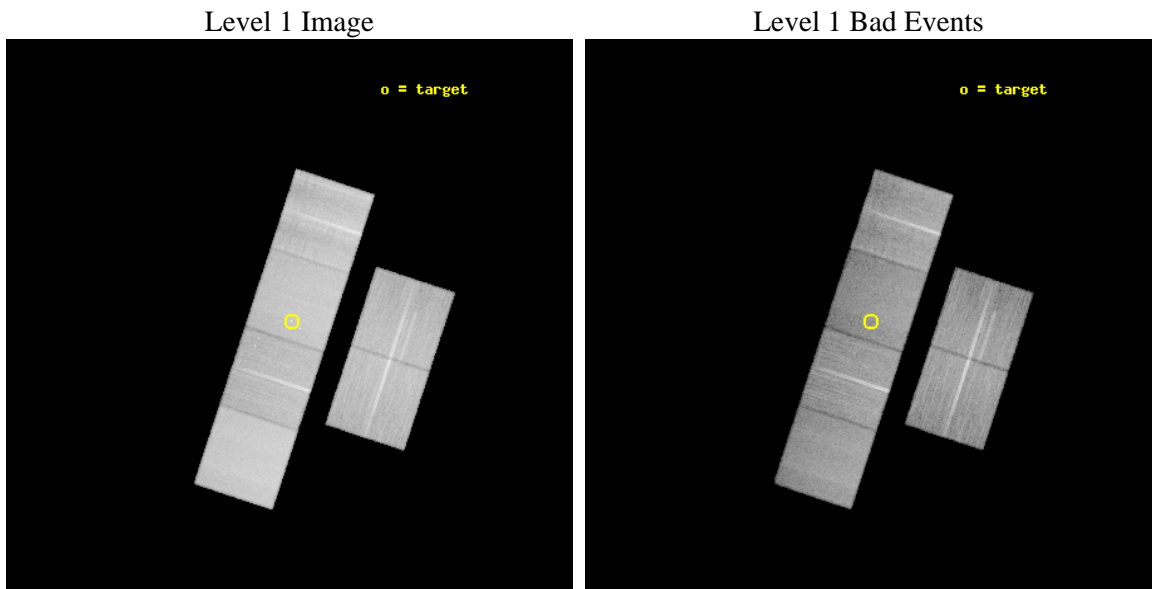
seq_num	501380	Sequence number
obs_id	12547	Observation id
title	A Survey of PWNe around Narrow-Pulse Gamma-ray Pulsars	Proposal ti
observer	Prof. Roger Romani	Principal investigator
object	J1718-3825	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	259.556667	Observer's specified target RA [deg]
dec_targ	-38.421694	Observer's specified target Dec [deg]
ra_nom	259.56138698691	Nominal RA [deg]
dec_nom	-38.424814179767	Nominal Dec [deg]
roll_nom	288.1750099372	Nominal Roll [deg]
revision	2	Processing version of data
ontime	40051.199850857	Sum of GTIs [s]
livetime	39544.047442408	Livetime [s]
ontime2	40047.958810508	Sum of GTIs [s]
ontime3	40051.199850857	Sum of GTIs [s]
ontime5	40051.199850857	Sum of GTIs [s]
ontime6	40051.199850857	Sum of GTIs [s]
ontime7	40051.199850857	Sum of GTIs [s]
ontime8	40044.717760265	Sum of GTIs [s]
l2events	451735	Number of level 2 events



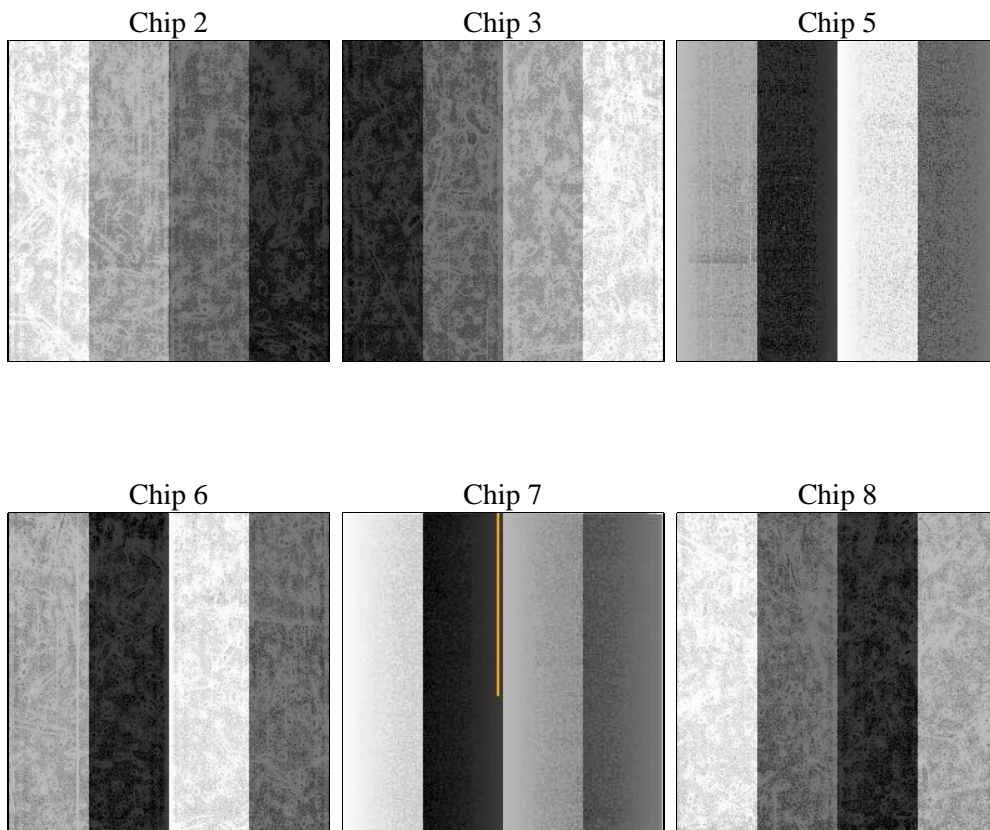
2 OBI

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	8.4.3	Processing system revision	ontime	40051.199850857	Sum of GTIs [s]
caldbver	4.4.8	 	ontime2	40047.958810508	Sum of GTIs [s]
date	2012-02-18T05:42:34	Date and time of file creation	ontime3	40051.199850857	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	40051.199850857	Sum of GTIs [s]
			ontime6	40051.199850857	Sum of GTIs [s]
			ontime7	40051.199850857	Sum of GTIs [s]
			ontime8	40044.717760265	Sum of GTIs [s]
			l1events	1809465	Number of level 1 events

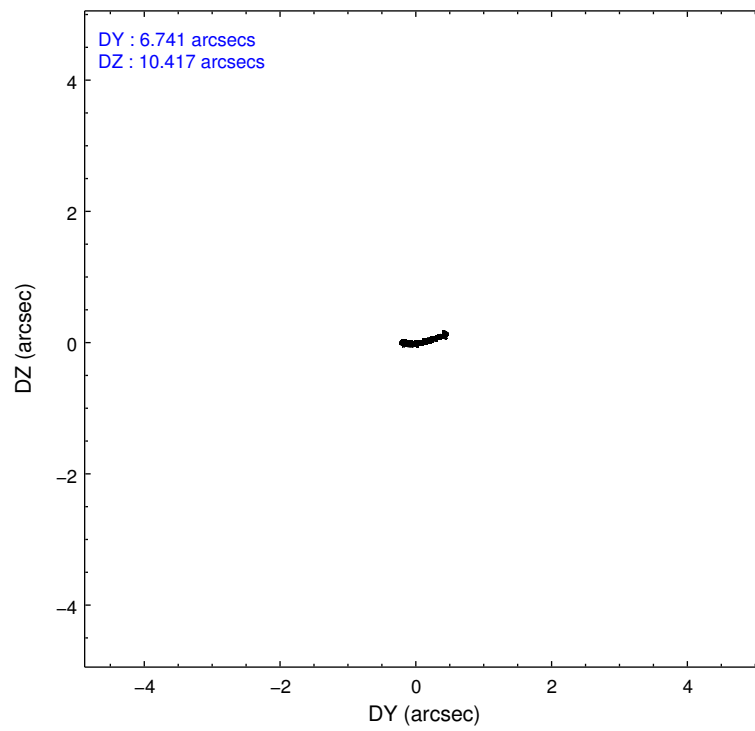
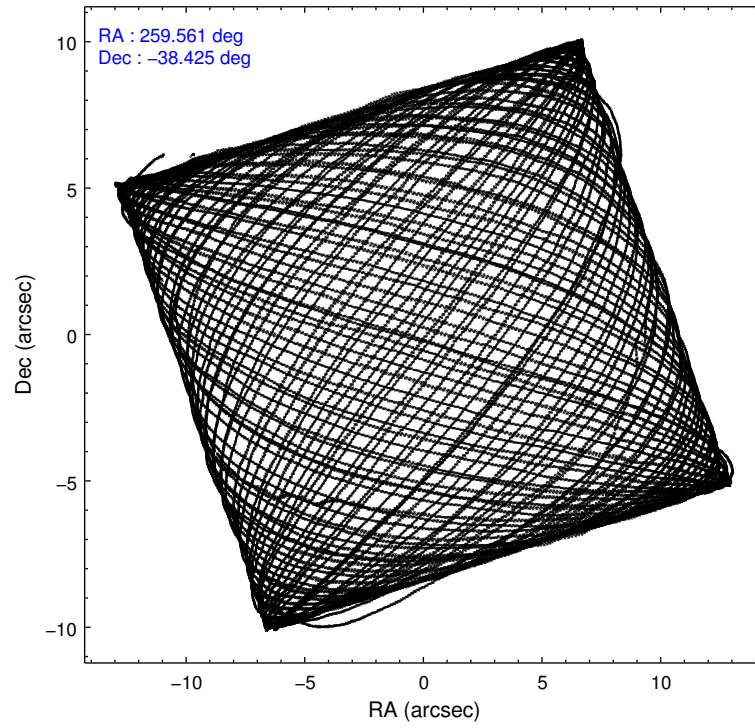
2.1.4 Events

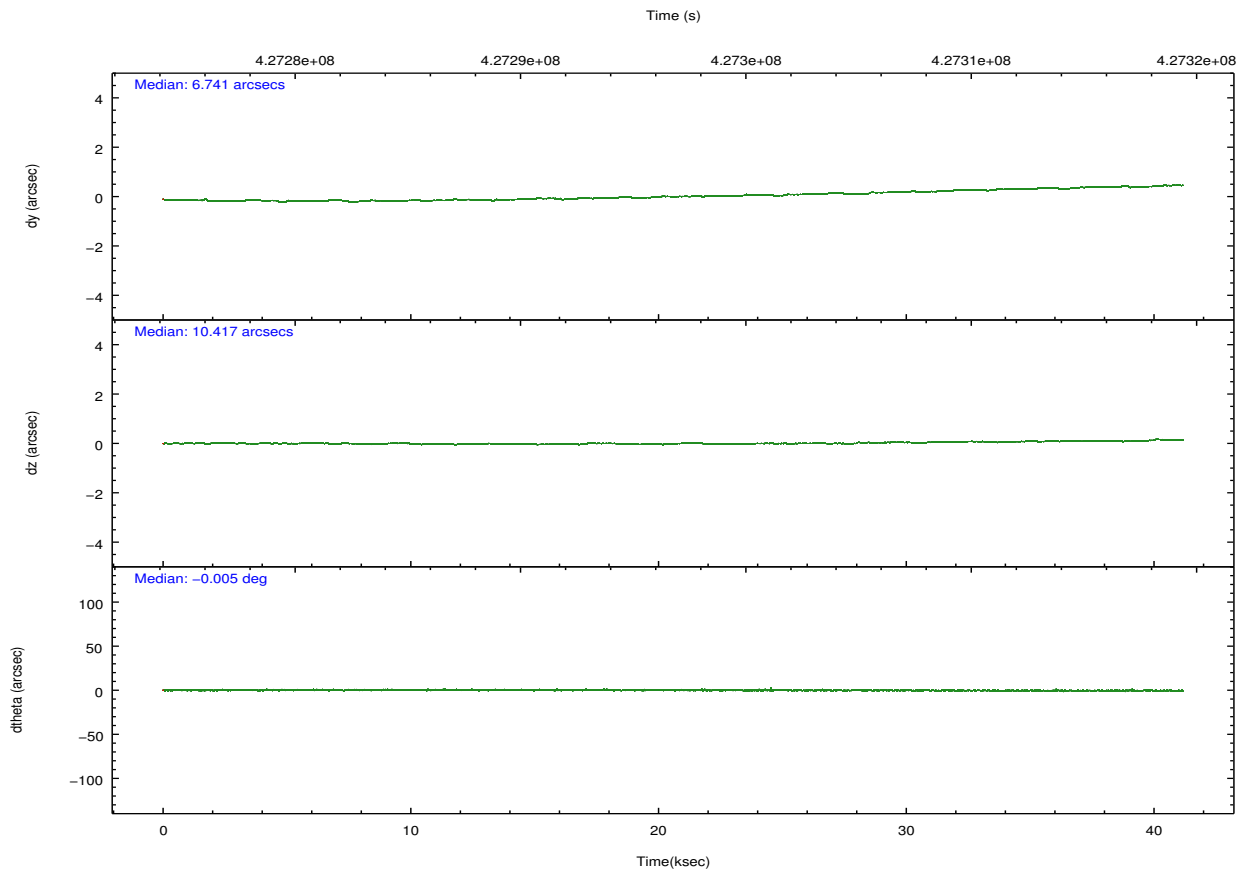
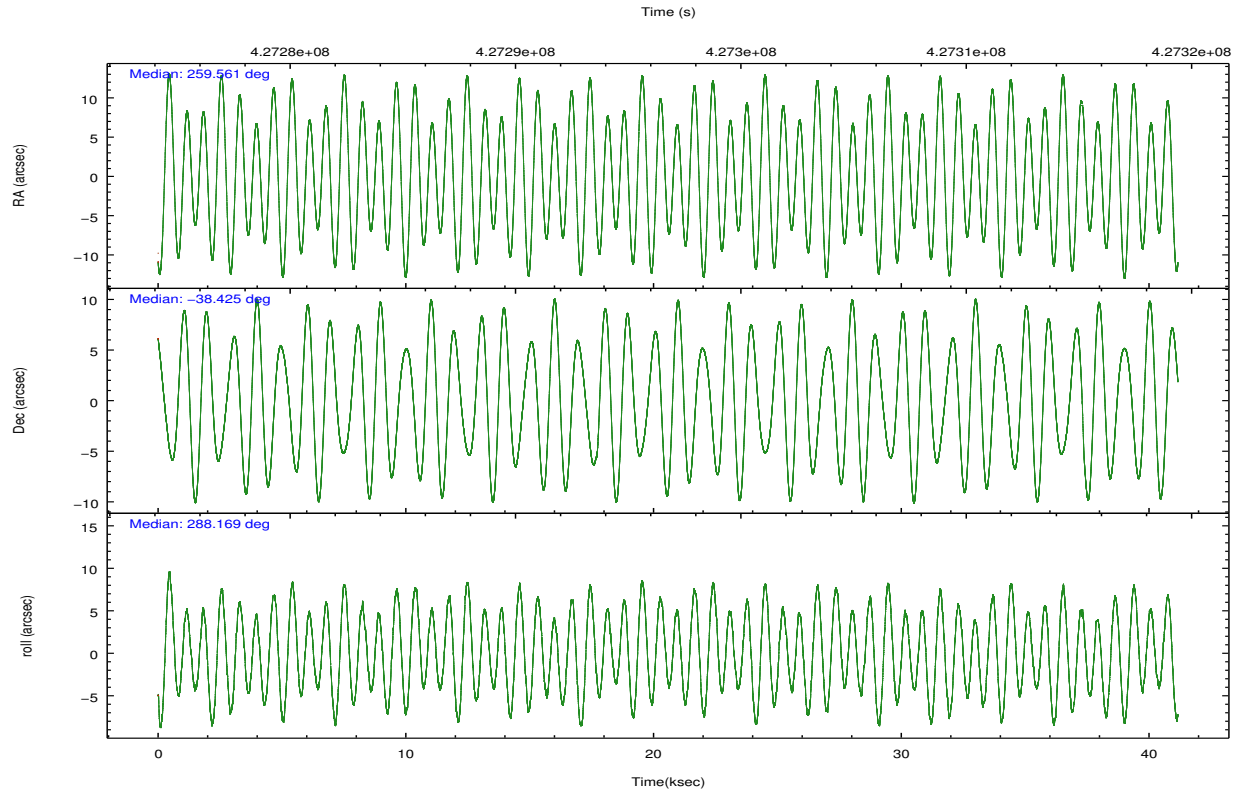
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	260755	244286	386475	256011	332023	329915	grade 0 events	12807	11163	12665	17199	16119	27894
rejected events	229541	215796	199082	218342	177794	240280		4%	4%	3%	6%	4%	8%
rejected %	88%	88%	51%	85%	53%	72%	grade 1 events	159	183	655	149	359	261
								0%	0%	0%	0%	0%	0%
							grade 2 events	7154	5947	57966	7226	32330	20359
								2%	2%	14%	2%	9%	6%
							grade 3 events	2921	2968	7109	3262	13787	8985
								1%	1%	1%	1%	4%	2%
							grade 4 events	2971	2899	7065	3272	13561	8471
								1%	1%	1%	1%	4%	2%
							grade 5 events	10186	11823	29166	11914	33021	17207
								3%	4%	7%	4%	9%	5%
							grade 6 events	5363	5516	102604	6718	78447	23936
								2%	2%	26%	2%	23%	7%
							grade 7 events	219194	203787	169245	206271	144399	222802
								84%	83%	43%	80%	43%	67%

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	259.535084	259.5613869869129	CCD I2 on	O1	Y
[deg] Pointing Dec	-38.406867	-38.4248141797669	CCD I3 on	O2	Y
[deg] Pointing Roll	288.002035	288.1750099371995	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	427277360.184000	427275865.12229	CCD S5 on	N	N
Observation start date	2011-07-17T08:08:14	2011-07-17T07:44:25	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	427317360.184000	427317543.16197	On-chip summing requested	N	N
Observation end date	2011-07-17T19:14:54	2011-07-17T19:19:03	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



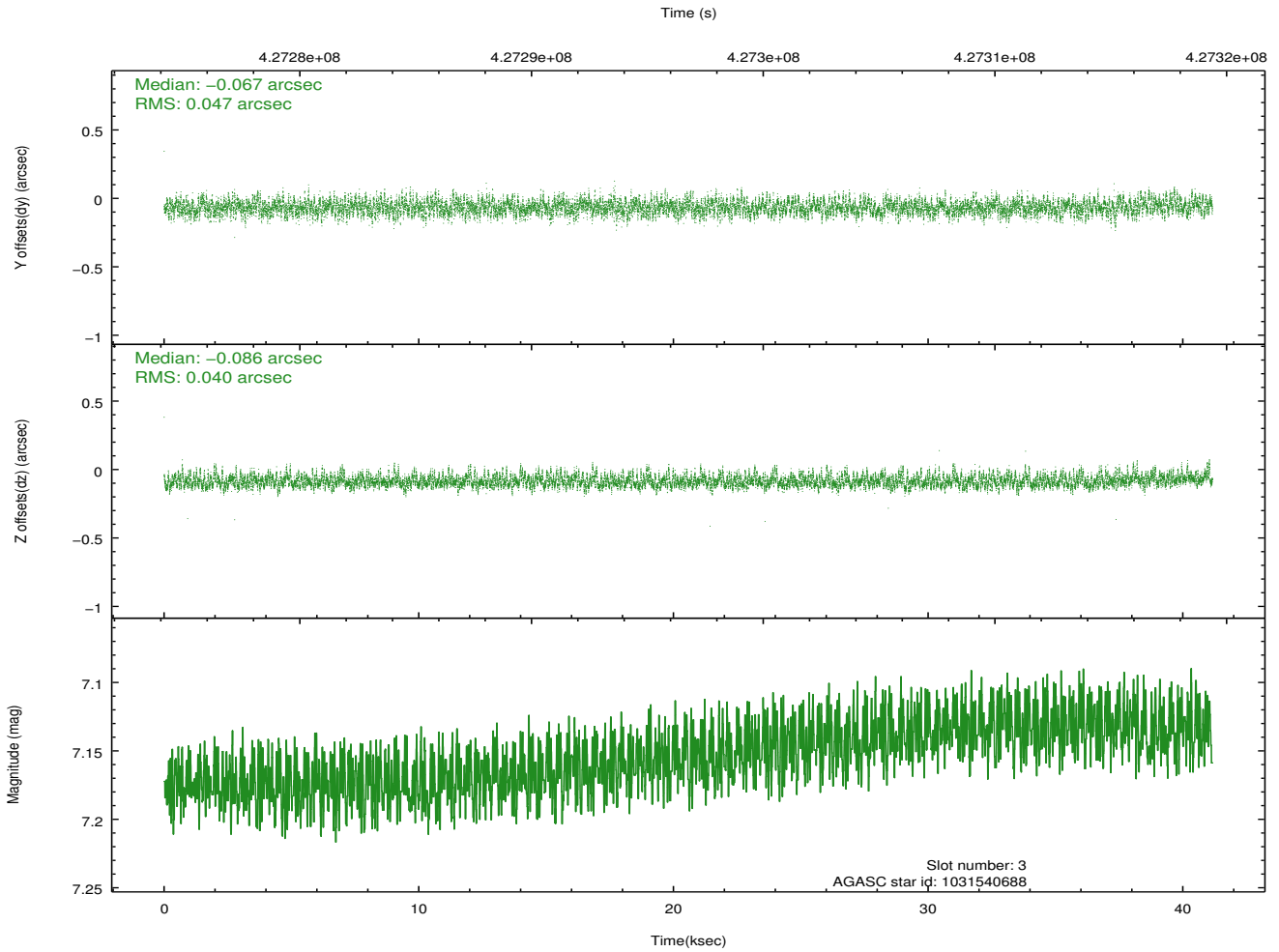
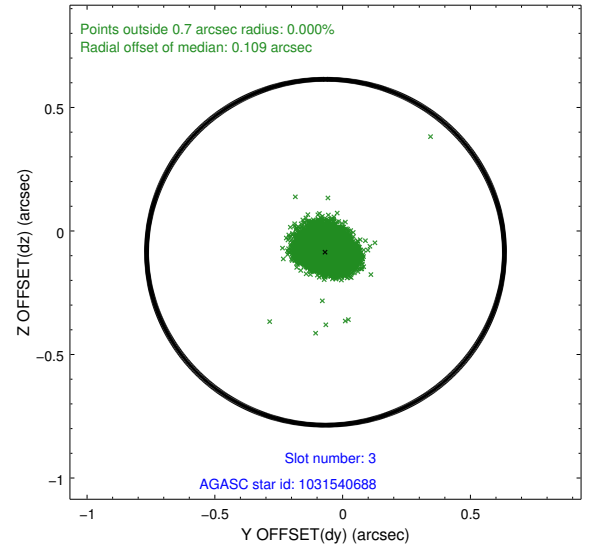
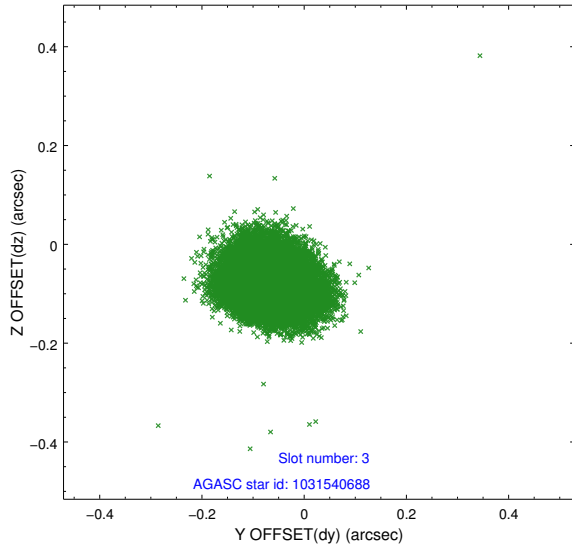


Slot Statistics

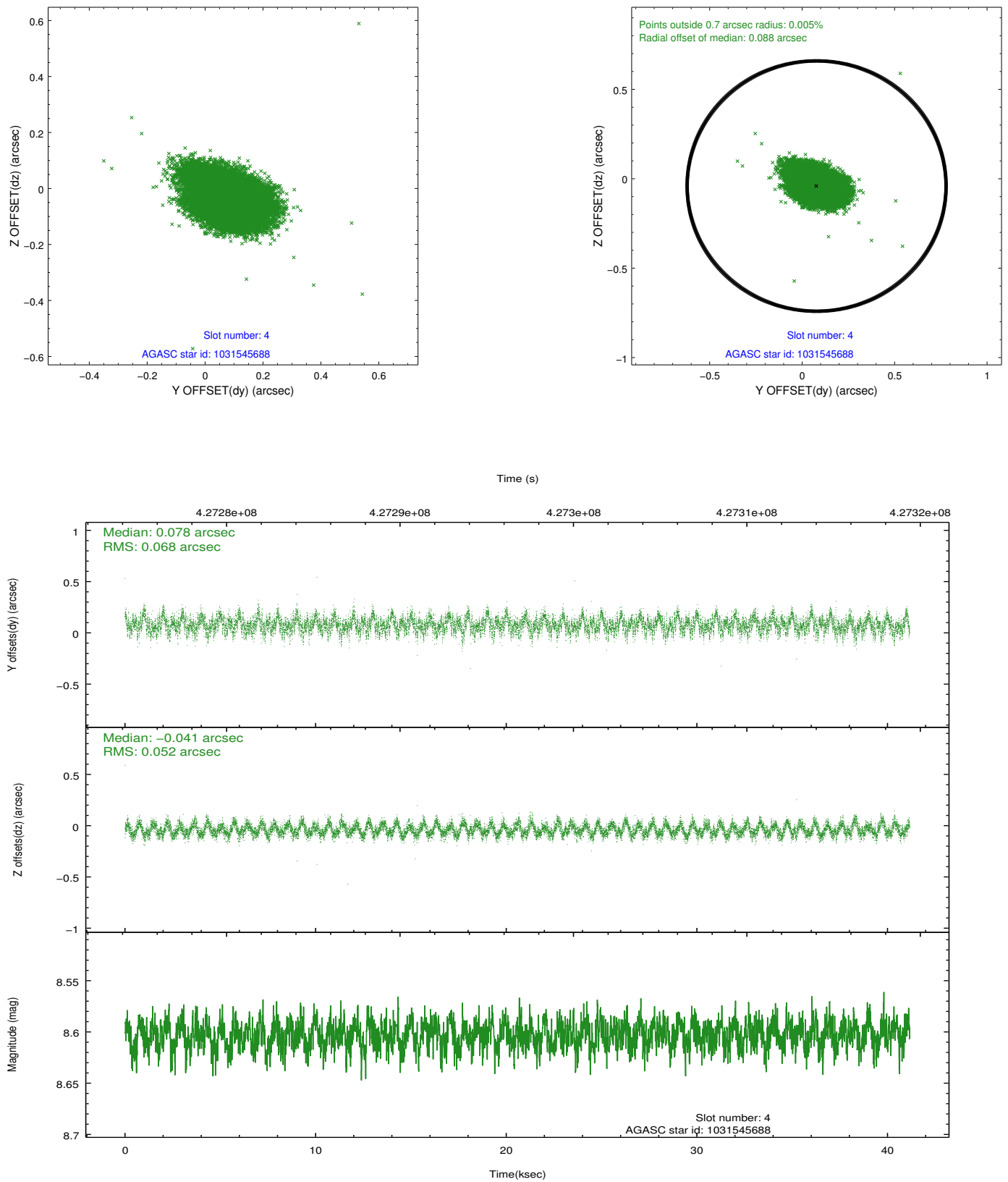
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.04	10039	0.033	-0.085	0.009	0.016	0.000000	0.000000	936.54	-1727.41
1	FID	ACIS-S-4	7.06	10041	0.147	0.048	0.007	0.013	0.000000	0.000000	2154.06	176.88
2	FID	ACIS-S-5	7.09	10041	-0.207	0.050	0.008	0.015	0.000000	0.000000	-1812.57	170.47
3	GUIDE	1031540688	7.15	20080	-0.067	-0.086	0.065	0.105	258.843021	-38.212972	-1261.40	-1648.38
4	GUIDE	1031545688	8.60	20068	0.078	-0.041	0.090	0.148	259.343302	-39.044115	2017.14	-1218.97
5	GUIDE	1031549480	7.85	20014	-0.051	-0.012	0.062	0.099	258.859583	-38.394348	-624.68	-1800.85
6	GUIDE	1033250592	7.59	20078	-0.065	0.040	0.079	0.127	260.179016	-38.020595	-752.05	2164.60
7	GUIDE	1033253048	8.95	20065	0.102	0.086	0.079	0.129	260.210889	-38.652422	1434.83	1532.07

2.4 Star Slots

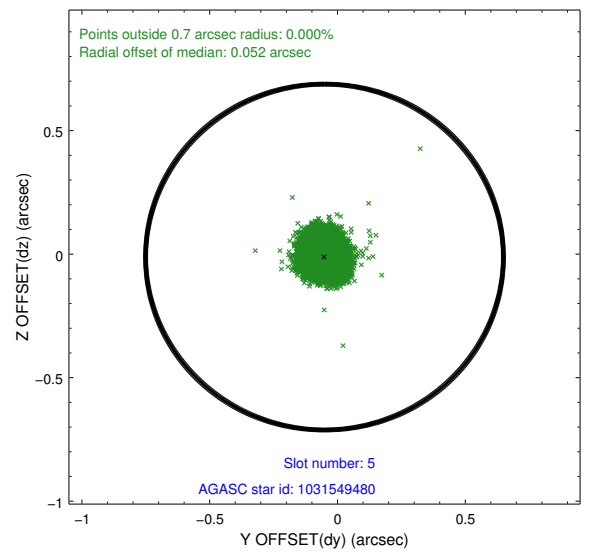
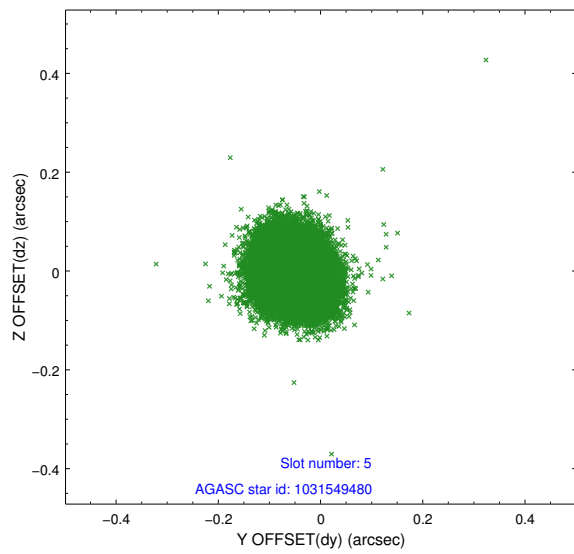
2.4.1 Slot 3



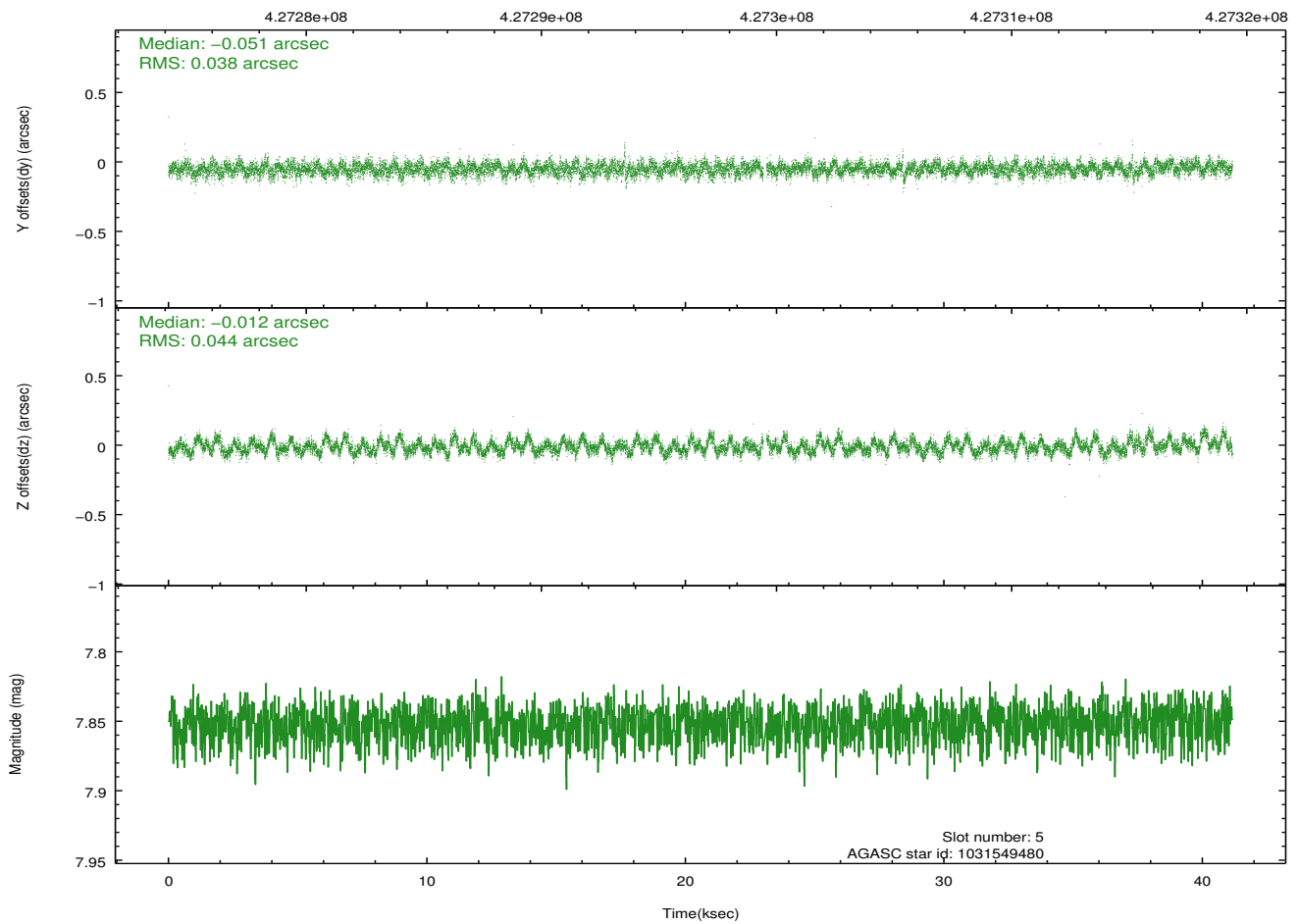
2.4.2 Slot 4



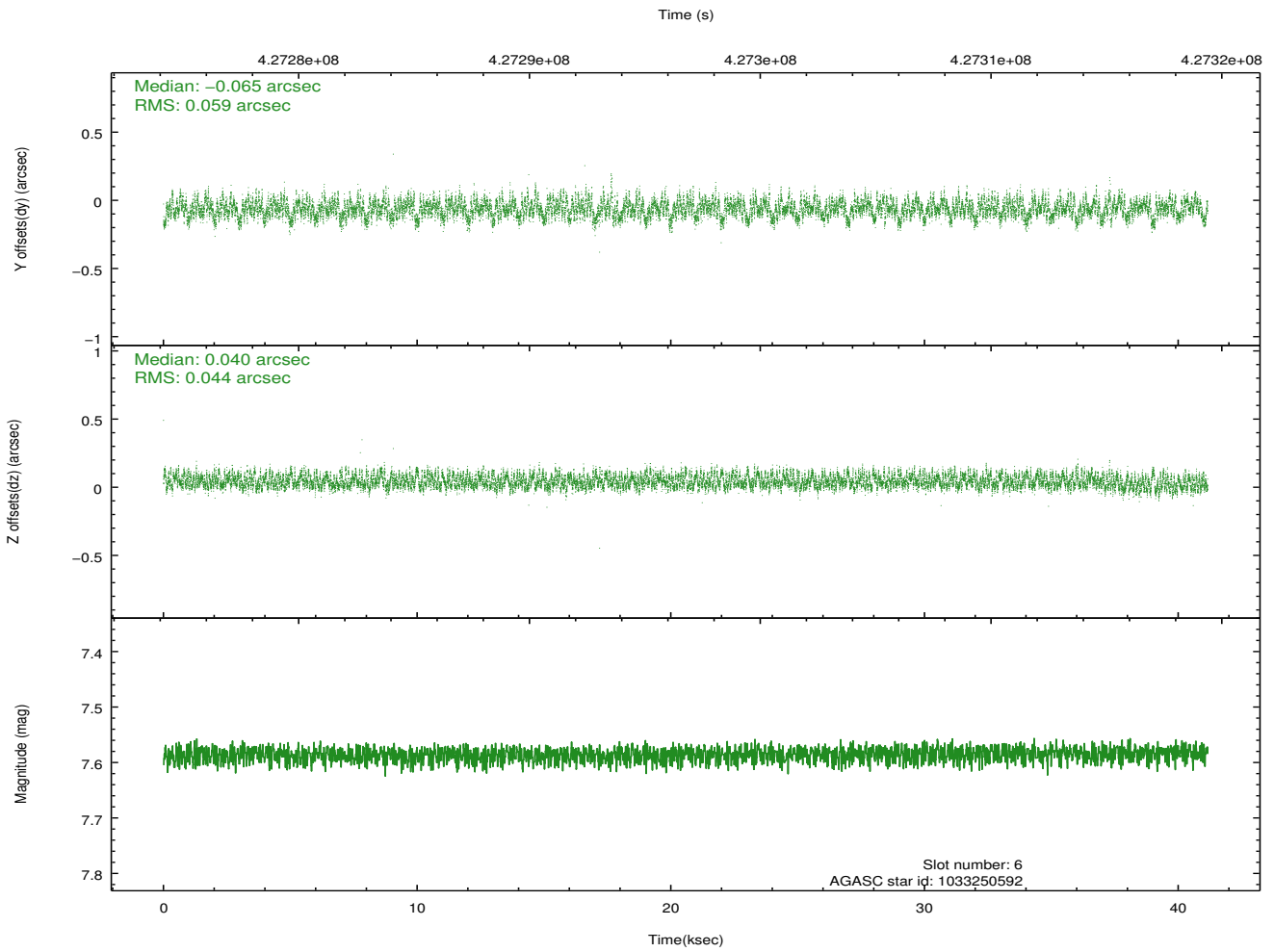
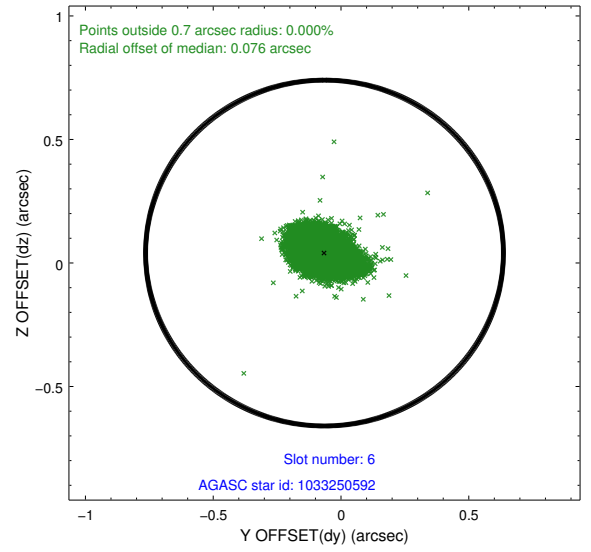
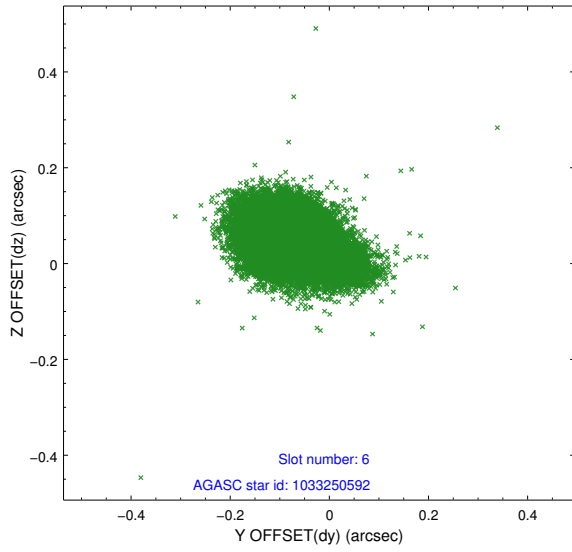
2.4.3 Slot 5



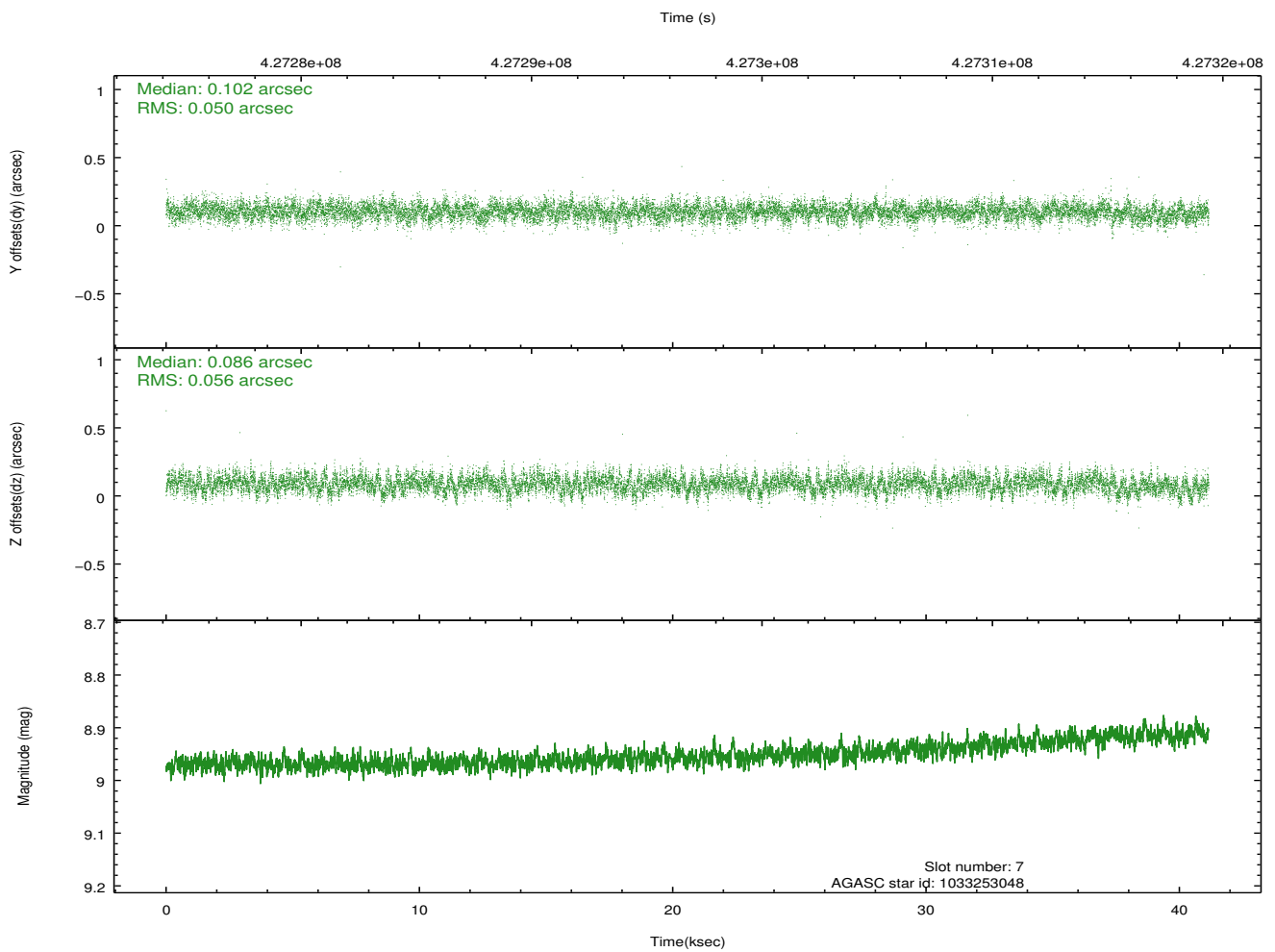
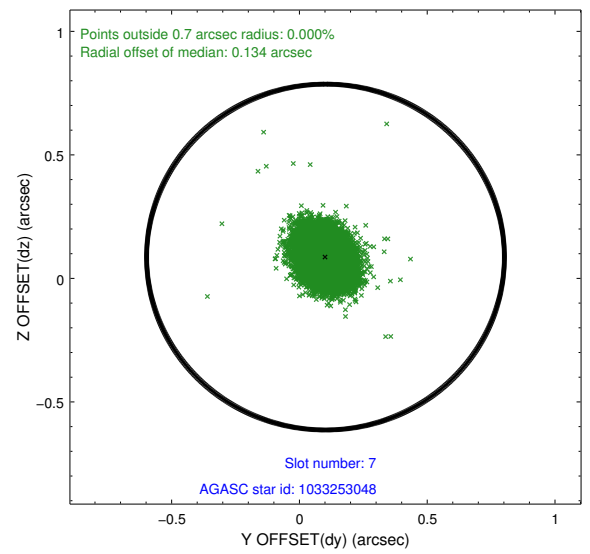
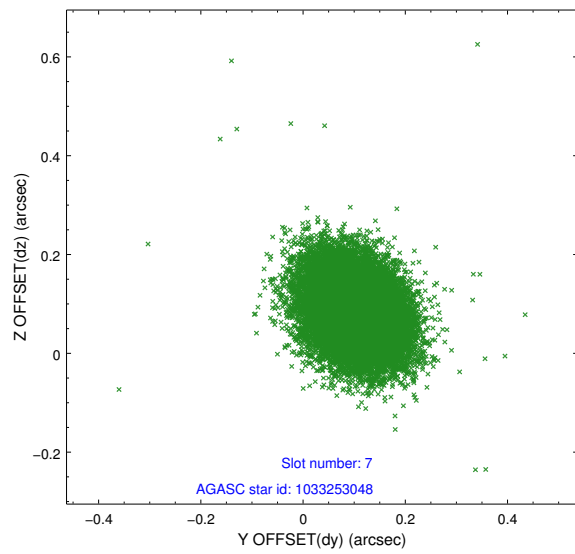
Time (s)



2.4.4 Slot 6

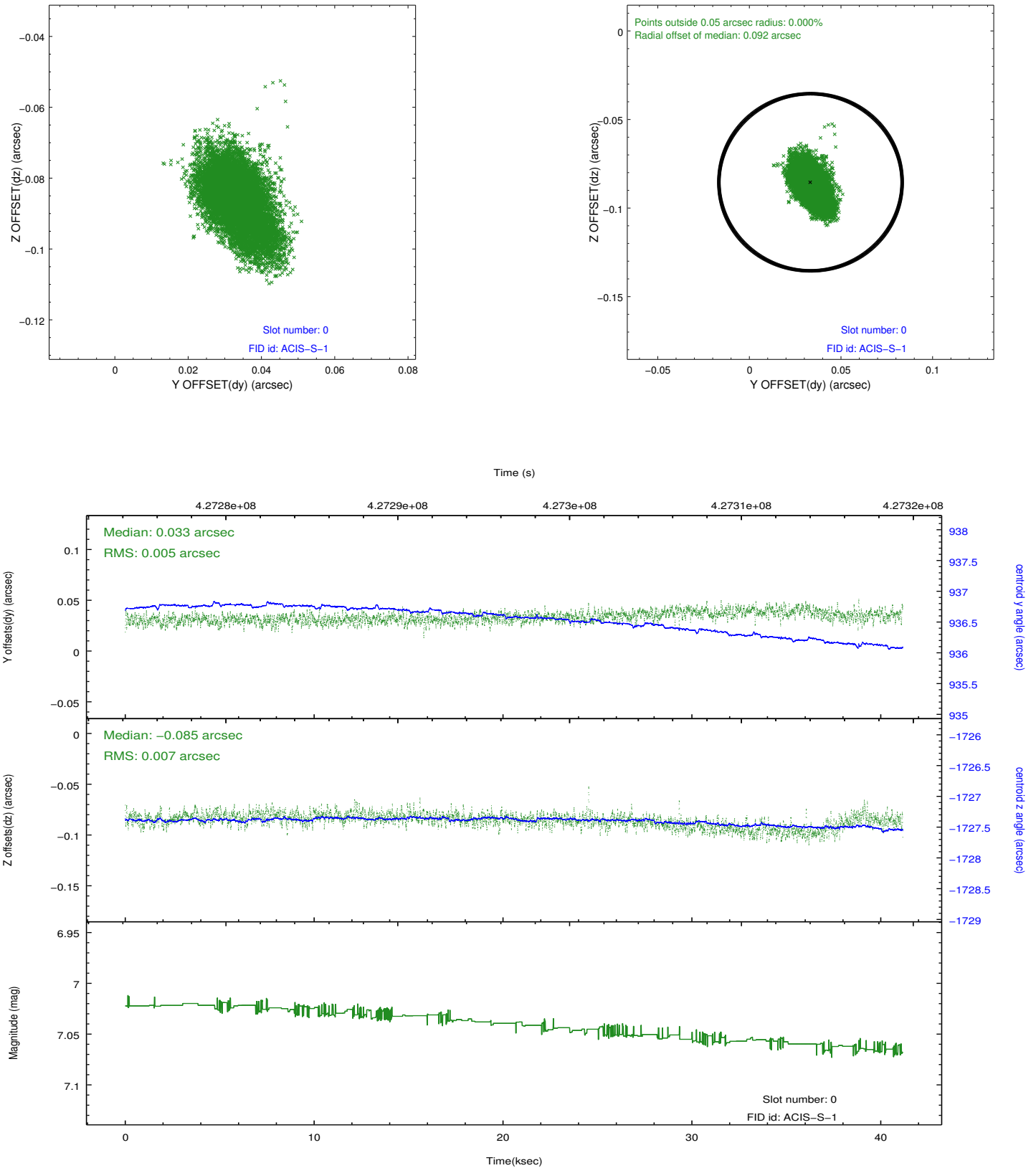


2.4.5 Slot 7

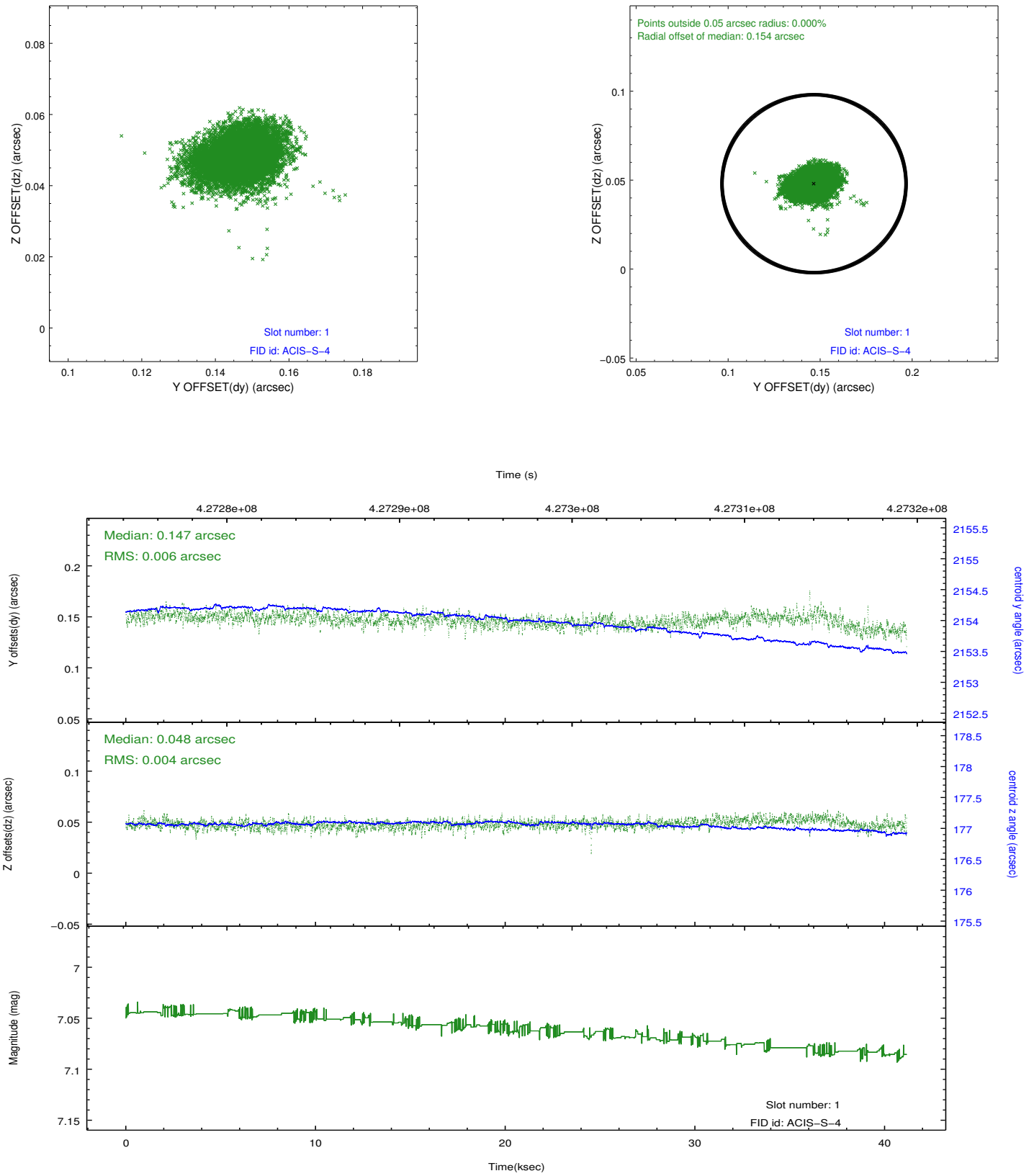


2.5 FID Slots

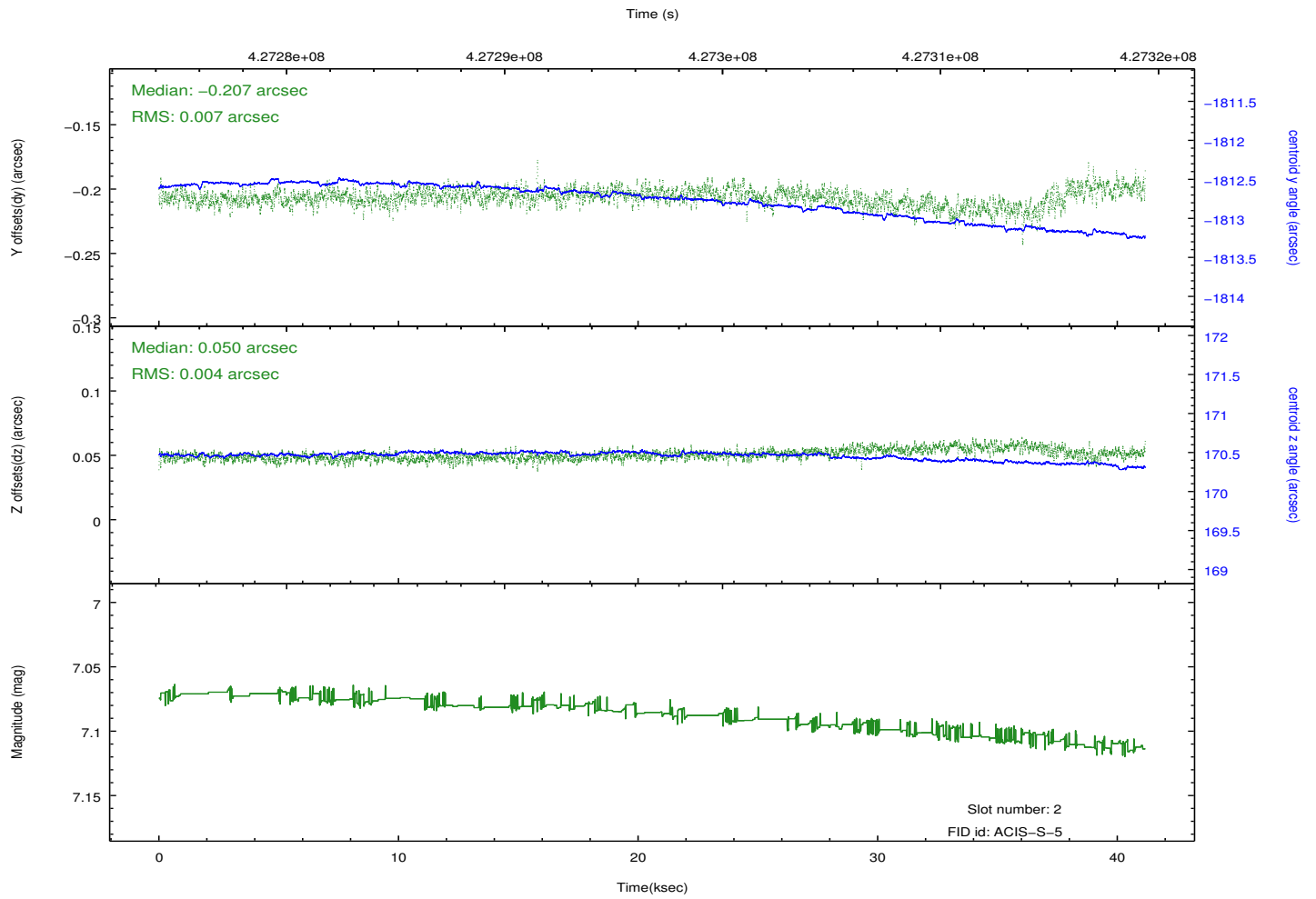
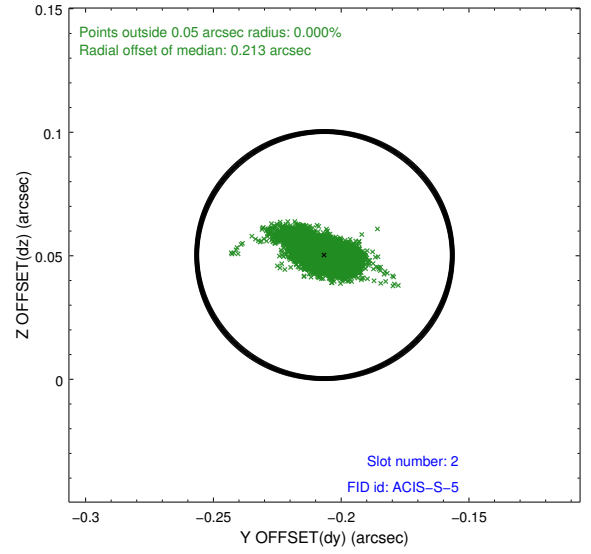
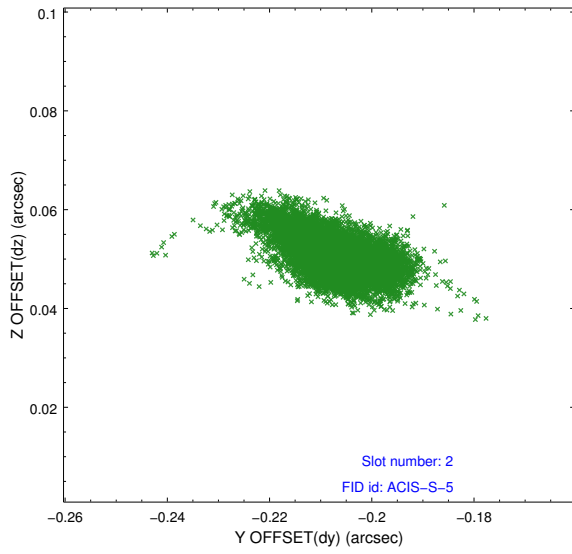
2.5.1 Slot 0



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)	2012.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.051199850857

A.2 Comments