

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8903 - L2 Version 2
Chandra X-Ray Center

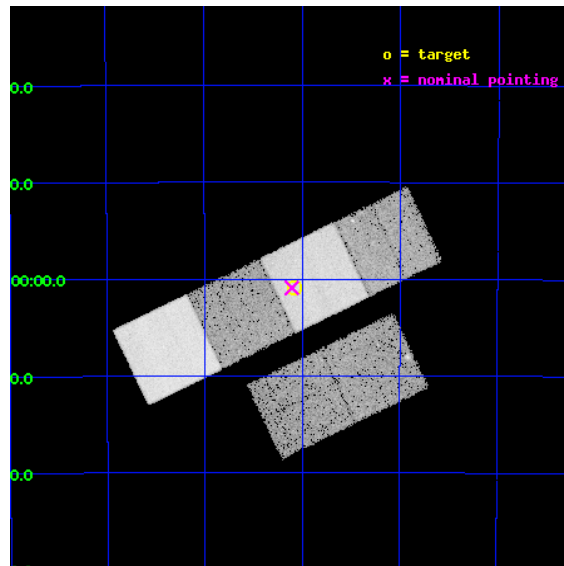
L2 Processing Date : May 25 2012

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1 Front

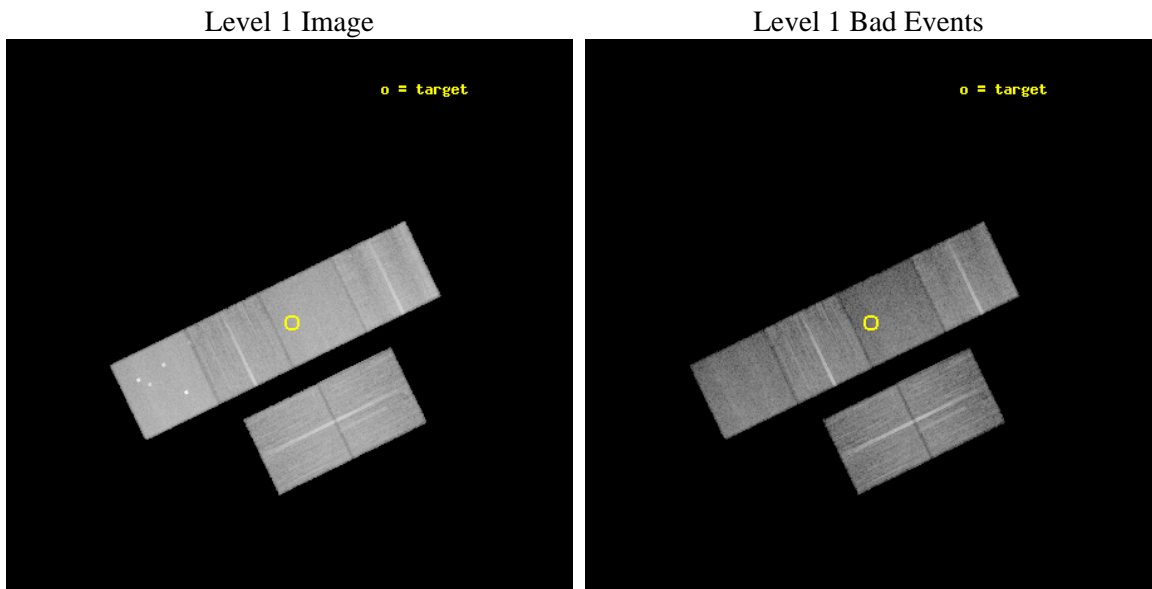
seq_num	200484	Sequence number
obs_id	8903	Observation id
title	Surveying Magnetic Activity in L and T Brown Dwarfs	Proposal title
observer	Prof. Marc Audard	Principal investigator
object	DENIS-P J0255.0-4700	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	43.769167	Observer's specified target RA [deg]
dec_targ	-47.015806	Observer's specified target Dec [deg]
ra_nom	43.77627520117	Nominal RA [deg]
dec_nom	-47.015293244462	Nominal Dec [deg]
roll_nom	334.16182990214	Nominal Roll [deg]
revision	2	Processing version of data
ontime	18223.99993217	Sum of GTIs [s]
liveltime	17993.236671853	Livetime [s]
ontime2	18220.758951783	Sum of GTIs [s]
ontime3	18220.758941829	Sum of GTIs [s]
ontime5	18223.99993217	Sum of GTIs [s]
ontime6	18220.758941829	Sum of GTIs [s]
ontime7	18223.99993217	Sum of GTIs [s]
ontime8	18217.517951548	Sum of GTIs [s]
l2events	234921	Number of level 2 events



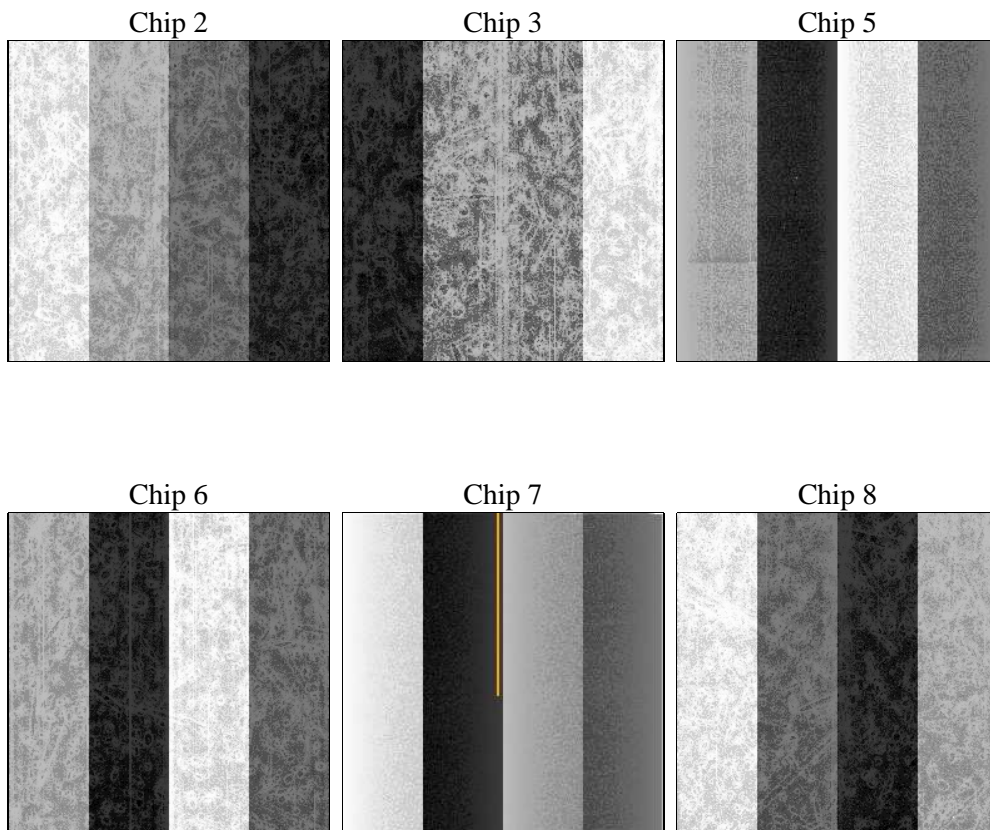
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	18180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	18223.99993217	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	18220.758951783	Sum of GTIs [s]
date	2012-05-25T18:35:17	Date and time of file creation	ontime3	18220.758941829	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	18223.99993217	Sum of GTIs [s]
			ontime6	18220.758941829	Sum of GTIs [s]
			ontime7	18223.99993217	Sum of GTIs [s]
			ontime8	18217.517951548	Sum of GTIs [s]
			l1events	1060149	Number of level 1 events

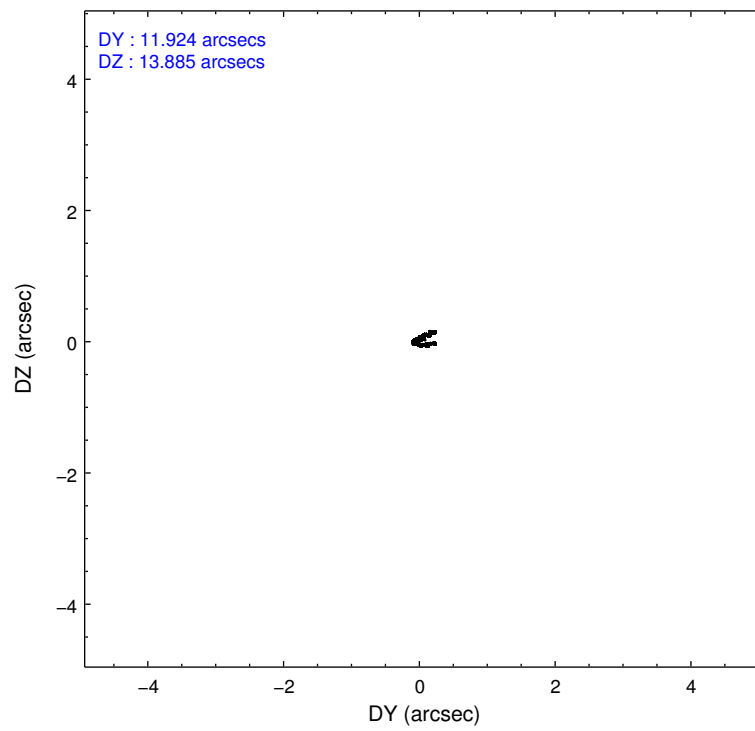
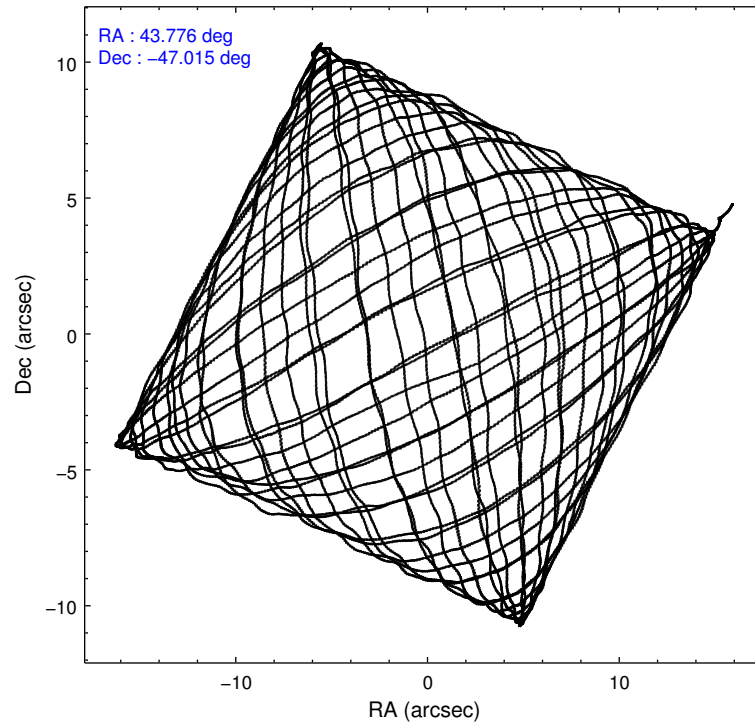
2.1.4 Events

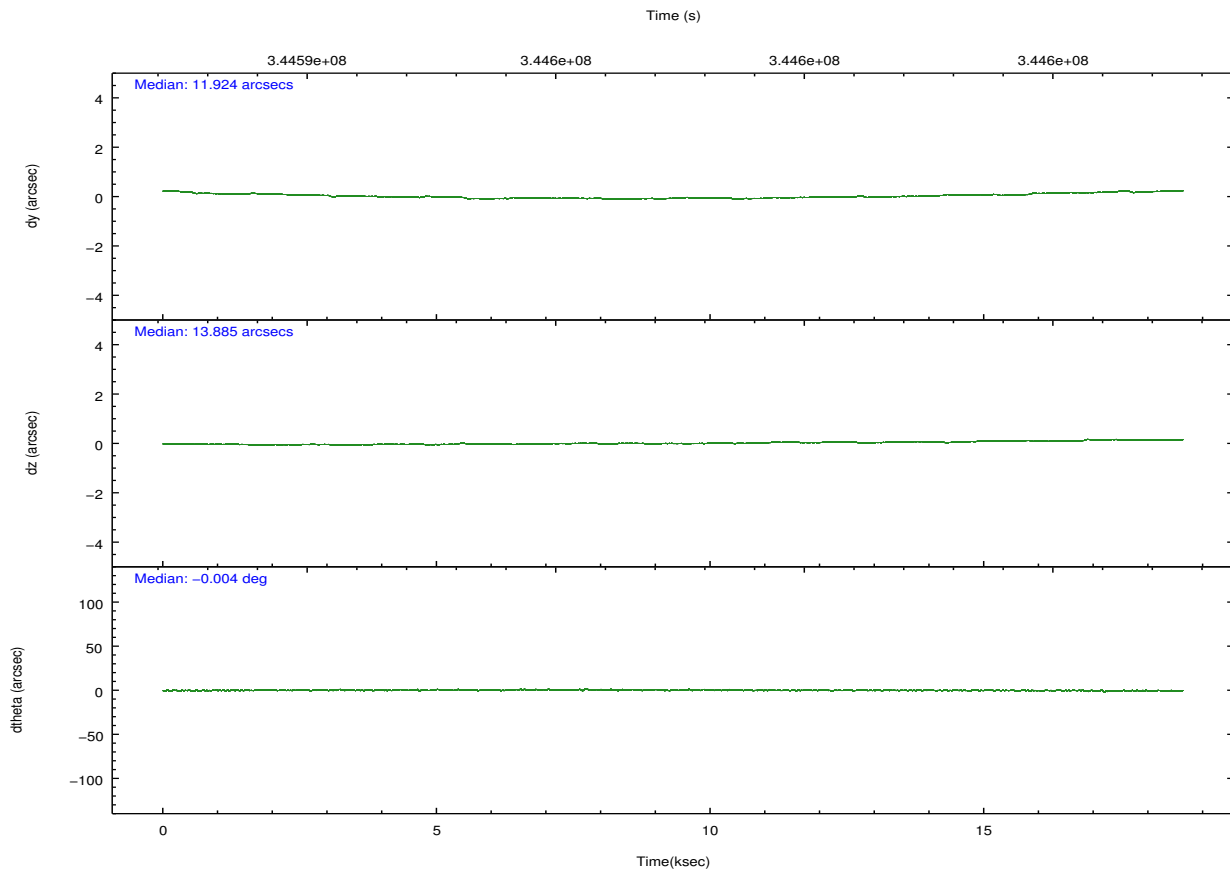
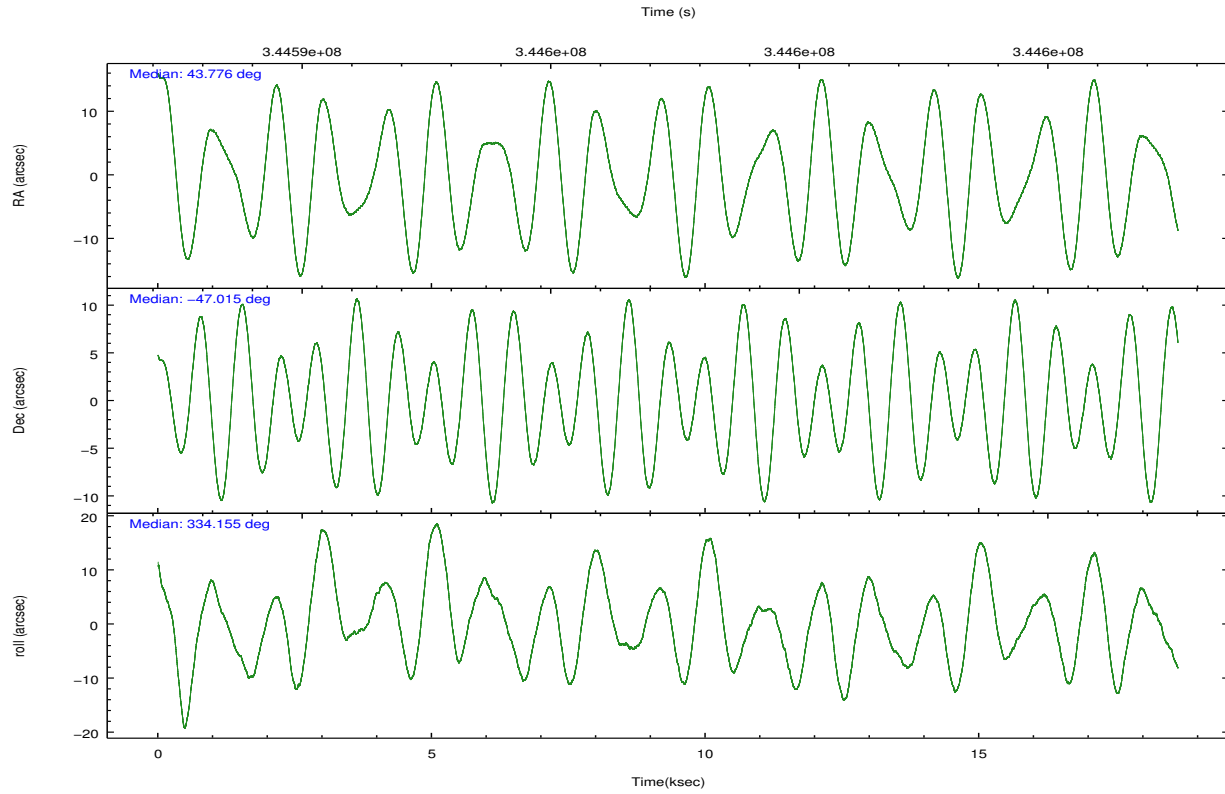
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	160064	152380	221458	156607	175163	194477	grade 0 events	5330	5129	15762	5540	7567	14813
rejected events	145043	137914	108310	140567	95154	145476		3%	3%	7%	3%	4%	7%
rejected %	90%	90%	48%	89%	54%	74%	grade 1 events	105	94	487	84	232	168
								0%	0%	0%	0%	0%	0%
							grade 2 events	3733	3172	32193	3588	16338	11256
								2%	2%	14%	2%	9%	5%
							grade 3 events	1551	1679	4514	1761	7365	5366
								0%	1%	2%	1%	4%	2%
							grade 4 events	1574	1525	4280	1721	7104	4961
								0%	1%	1%	1%	4%	2%
							grade 5 events	5240	6317	17151	6409	18559	9216
								3%	4%	7%	4%	10%	4%
							grade 6 events	2834	2963	56415	3431	41649	12625
								1%	1%	25%	2%	23%	6%
							grade 7 events	139697	131501	90656	134073	76349	136072
								87%	86%	40%	85%	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	43.736294	43.77627520117046	CCD I2 on	O1	Y
[deg] Pointing Dec	-47.017659	-47.01529324446159	CCD I3 on	O2	Y
[deg] Pointing Roll	333.975952	334.16182990214	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)	344588493.184000	344587349.83322	CCD S5 on	N	N
Observation start date	2008-12-02T07:00:28	2008-12-02T06:42:29	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	344606673.184000	344607406.00921	On-chip summing requested	N	N
Observation end date	2008-12-02T12:03:28	2008-12-02T12:16:46	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



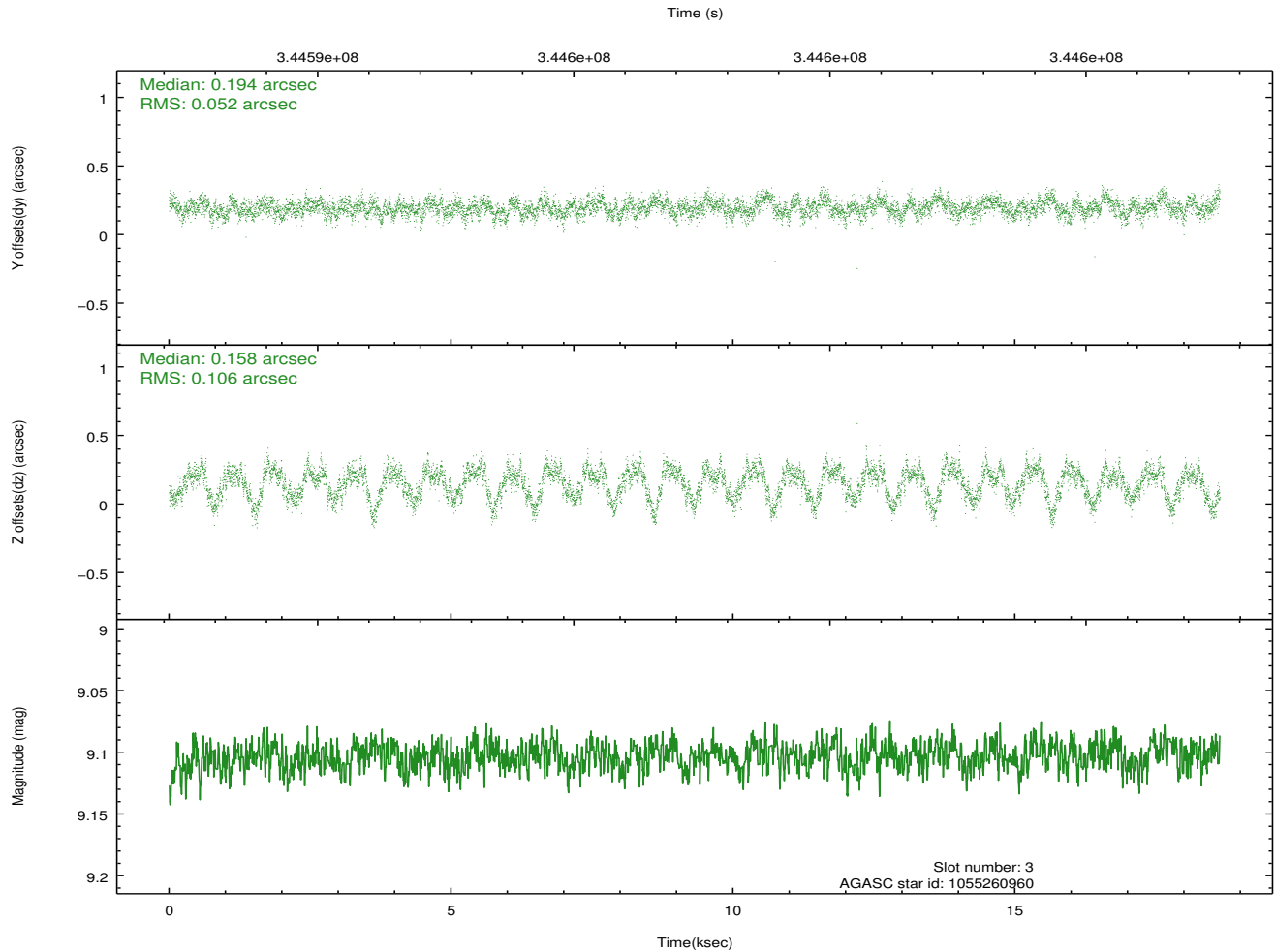
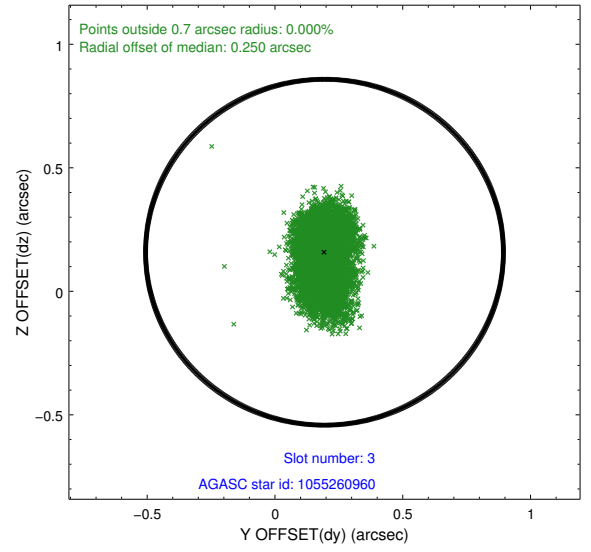
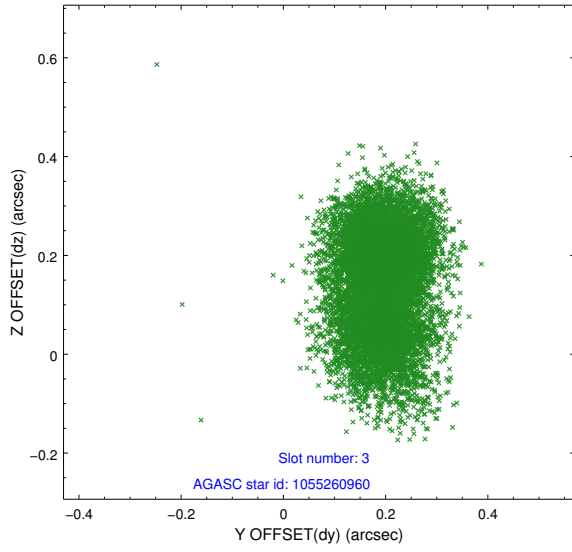


Slot Statistics

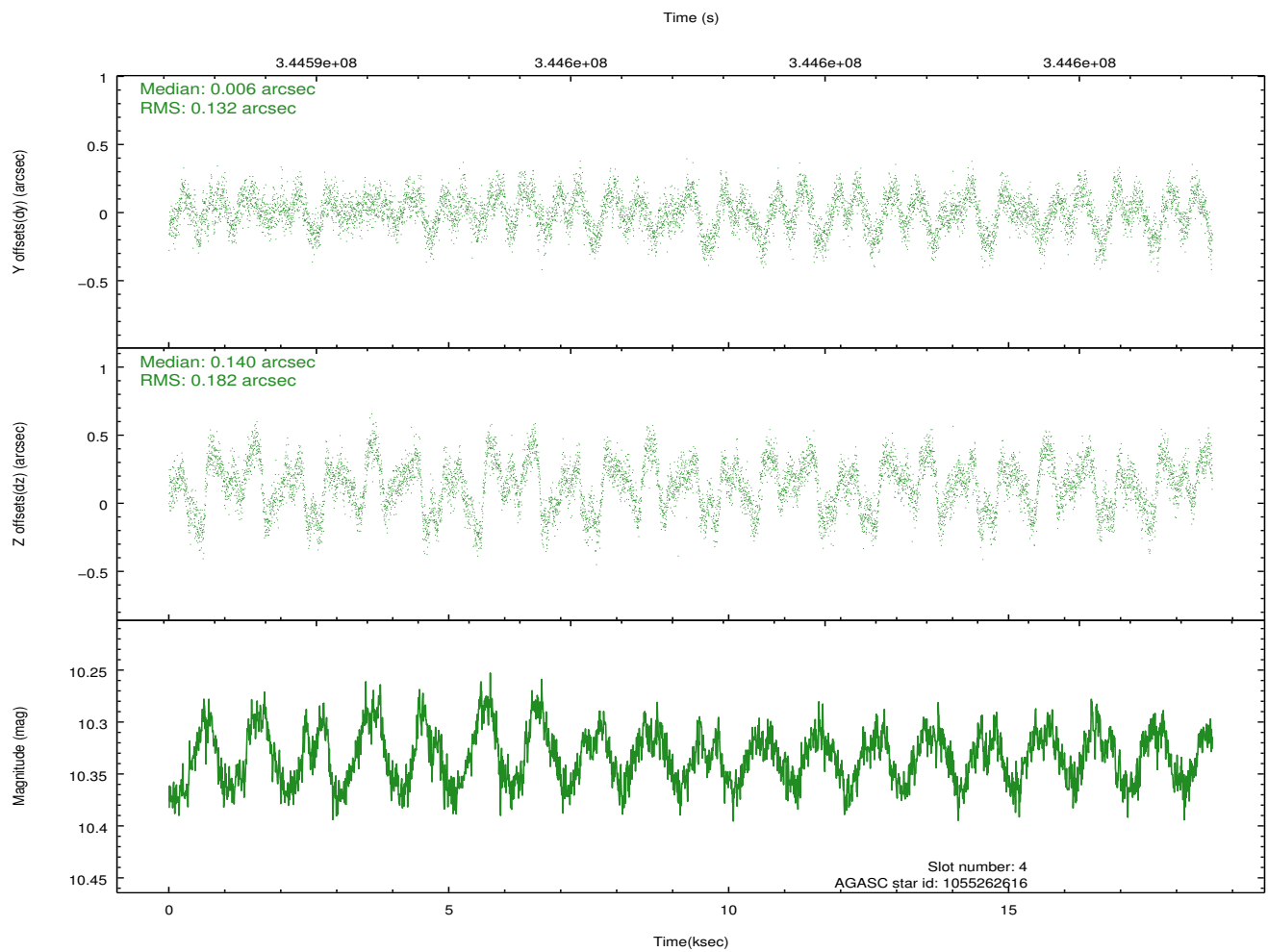
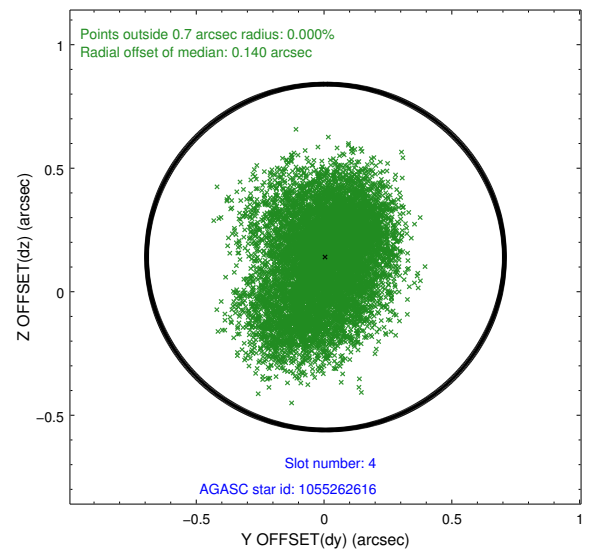
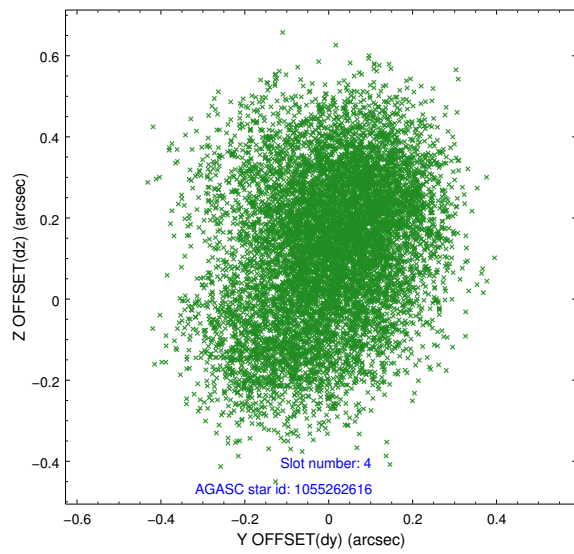
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	4545	-0.031	-0.027	0.006	0.011	0.000000	0.000000	-764.87	-1735.28
1	FID	ACIS-S-4	6.99	4545	0.120	0.022	0.006	0.011	0.000000	0.000000	2148.46	173.03
2	FID	ACIS-S-5	7.02	4545	-0.120	0.013	0.007	0.012	0.000000	0.000000	-1817.53	166.94
3	GUIDE	1055260960	9.10	9079	0.194	0.158	0.124	0.209	43.266473	-47.383512	-449.10	-1688.87
4	GUIDE	1055262616	10.33	9010	0.006	0.140	0.246	0.384	42.956995	-46.992354	-1754.59	-766.04
5	GUIDE	1055262896	8.94	9081	-0.145	-0.022	0.100	0.162	44.199568	-46.723830	564.45	1449.46
6	GUIDE	1055267608	10.31	9077	0.000	-0.128	0.171	0.270	44.055628	-46.473563	-147.22	2106.21
7	GUIDE	1055660384	9.94	9077	-0.045	-0.125	0.145	0.227	43.935427	-47.649334	1432.49	-1831.50

2.4 Star Slots

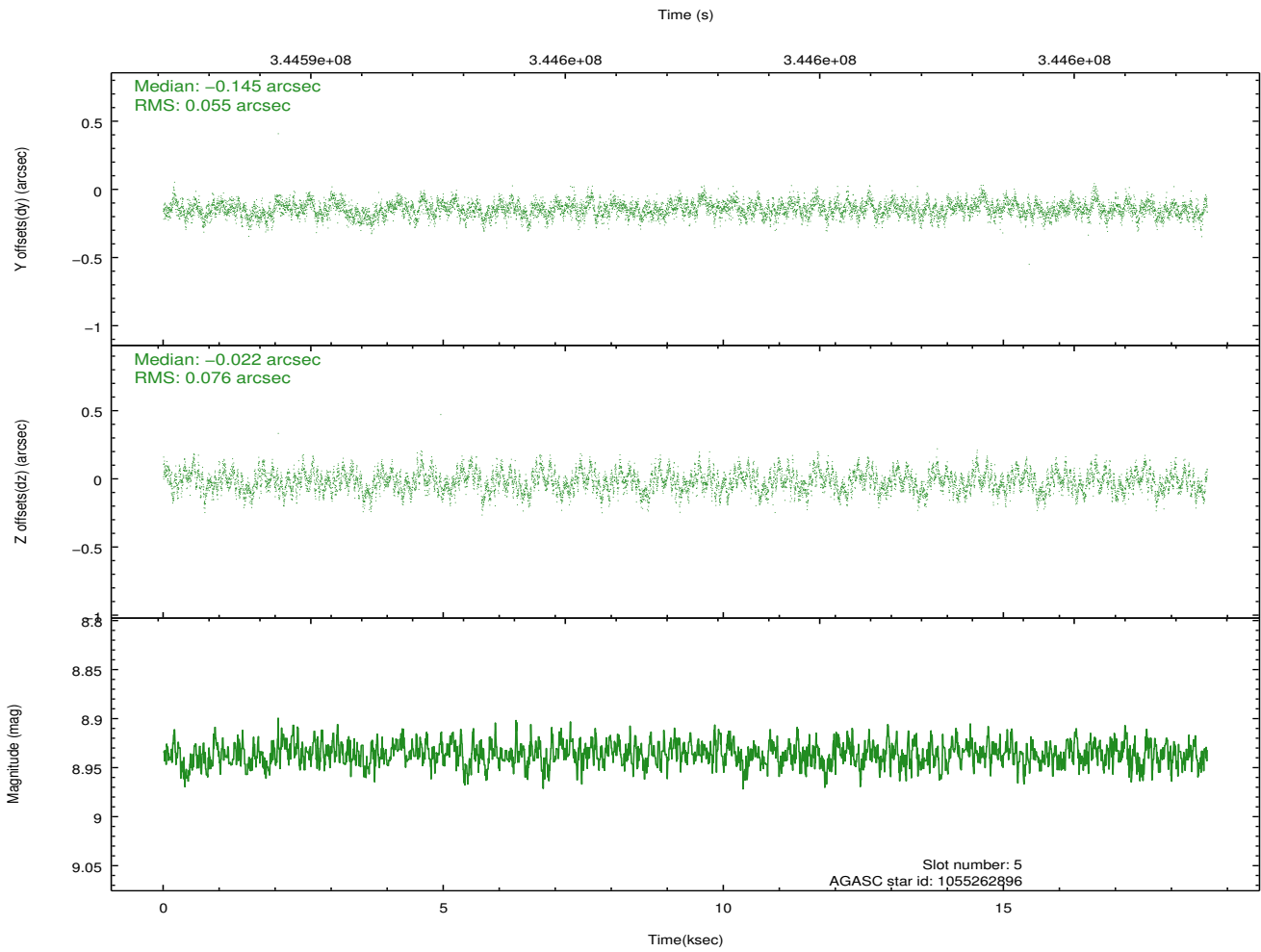
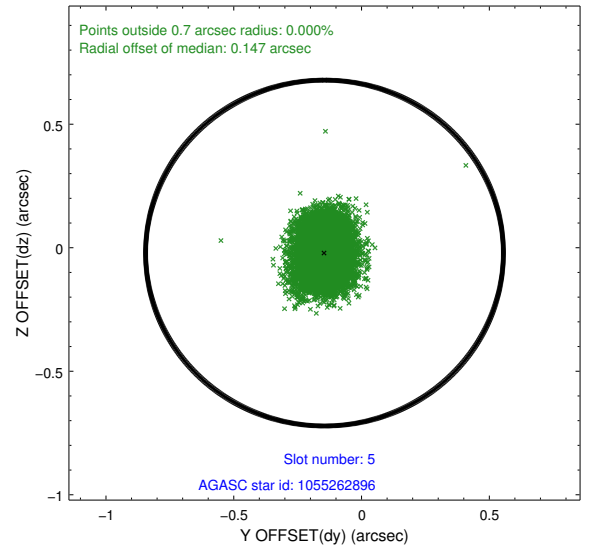
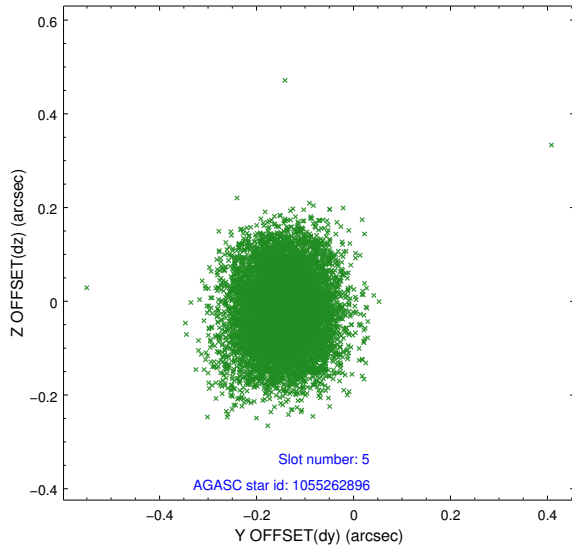
2.4.1 Slot 3



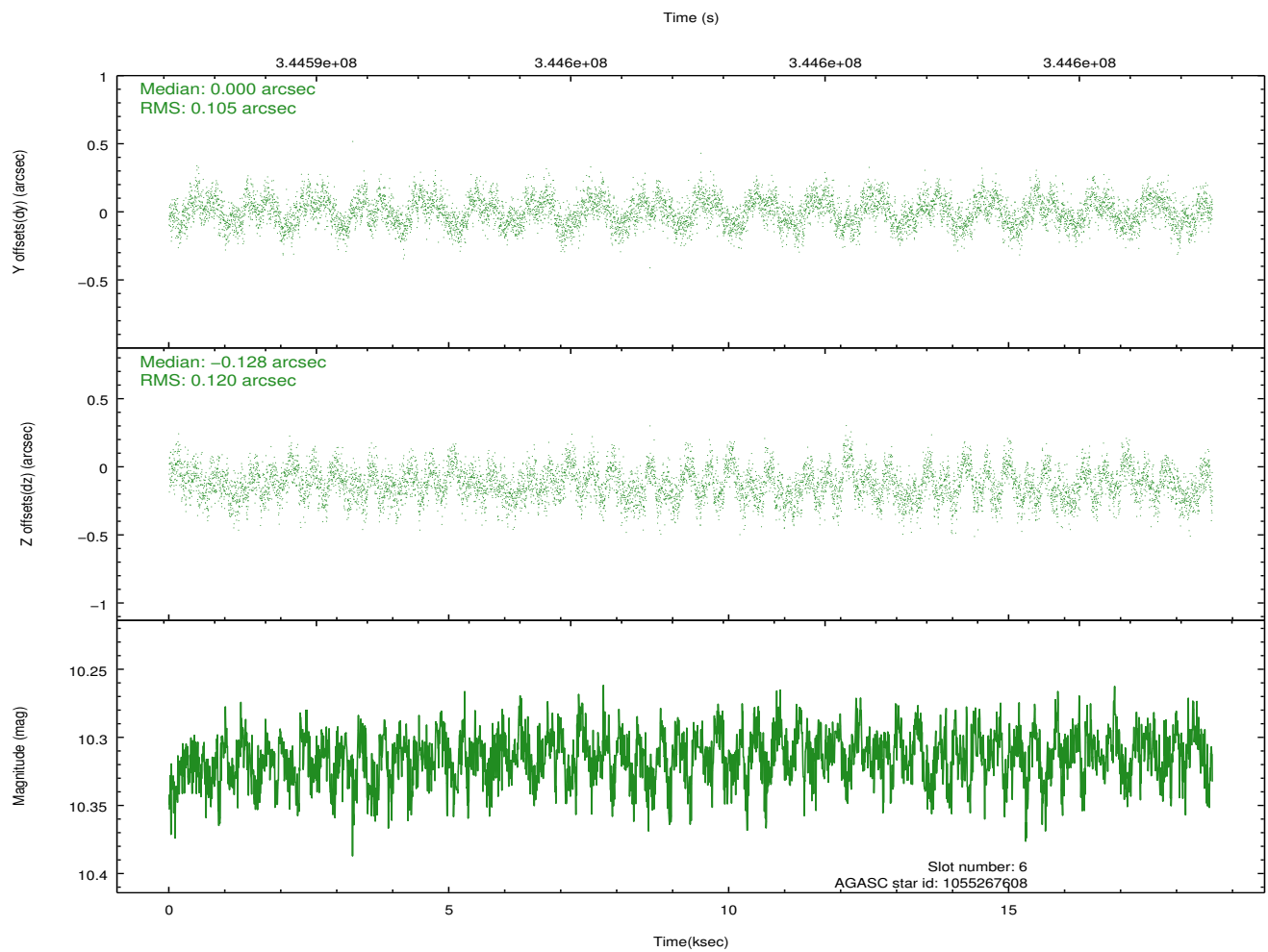
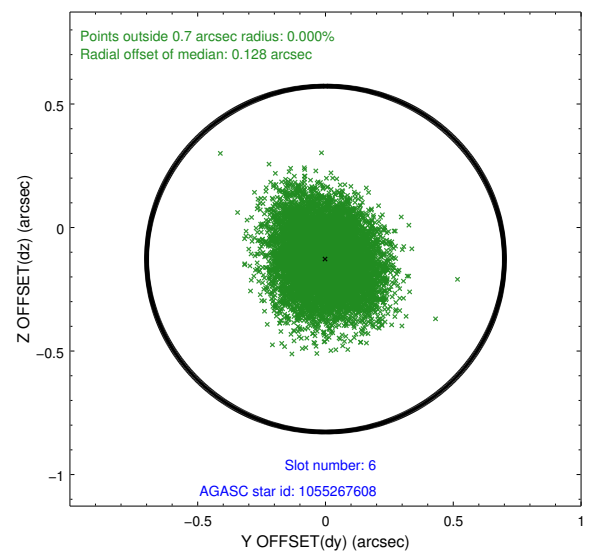
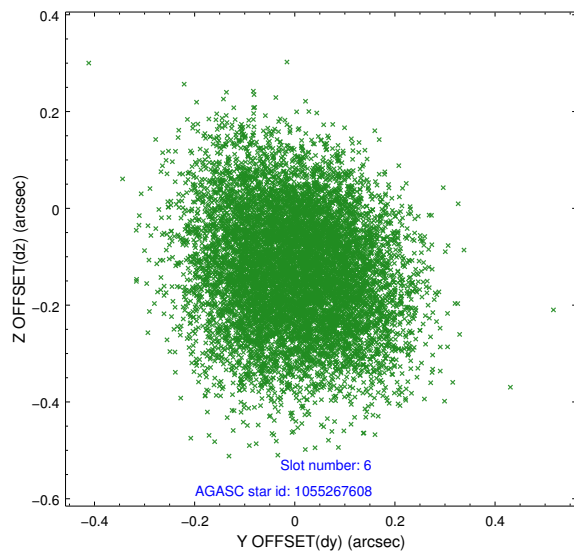
2.4.2 Slot 4



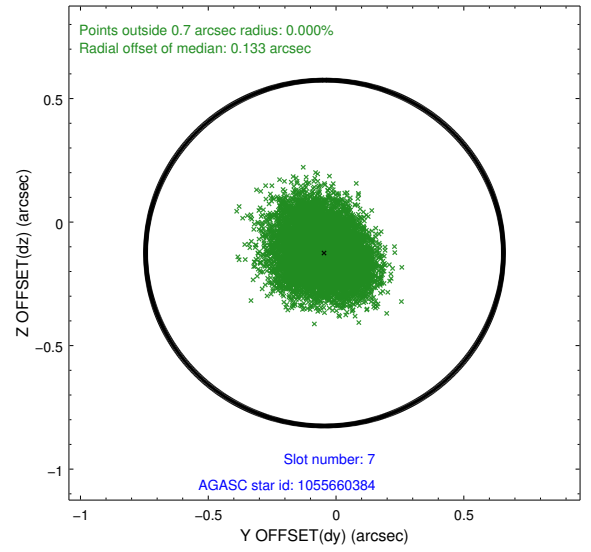
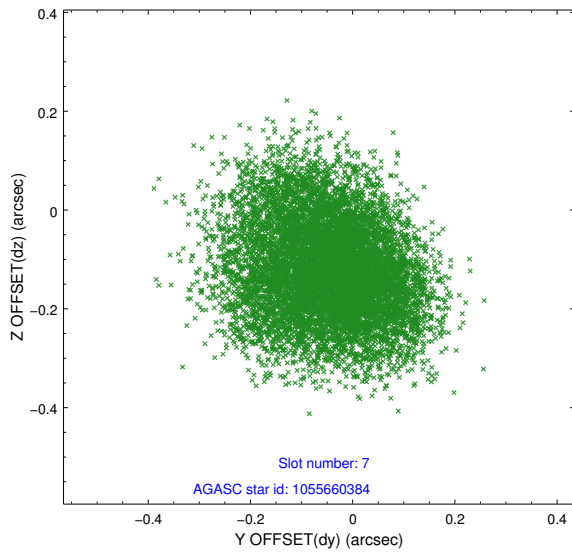
2.4.3 Slot 5



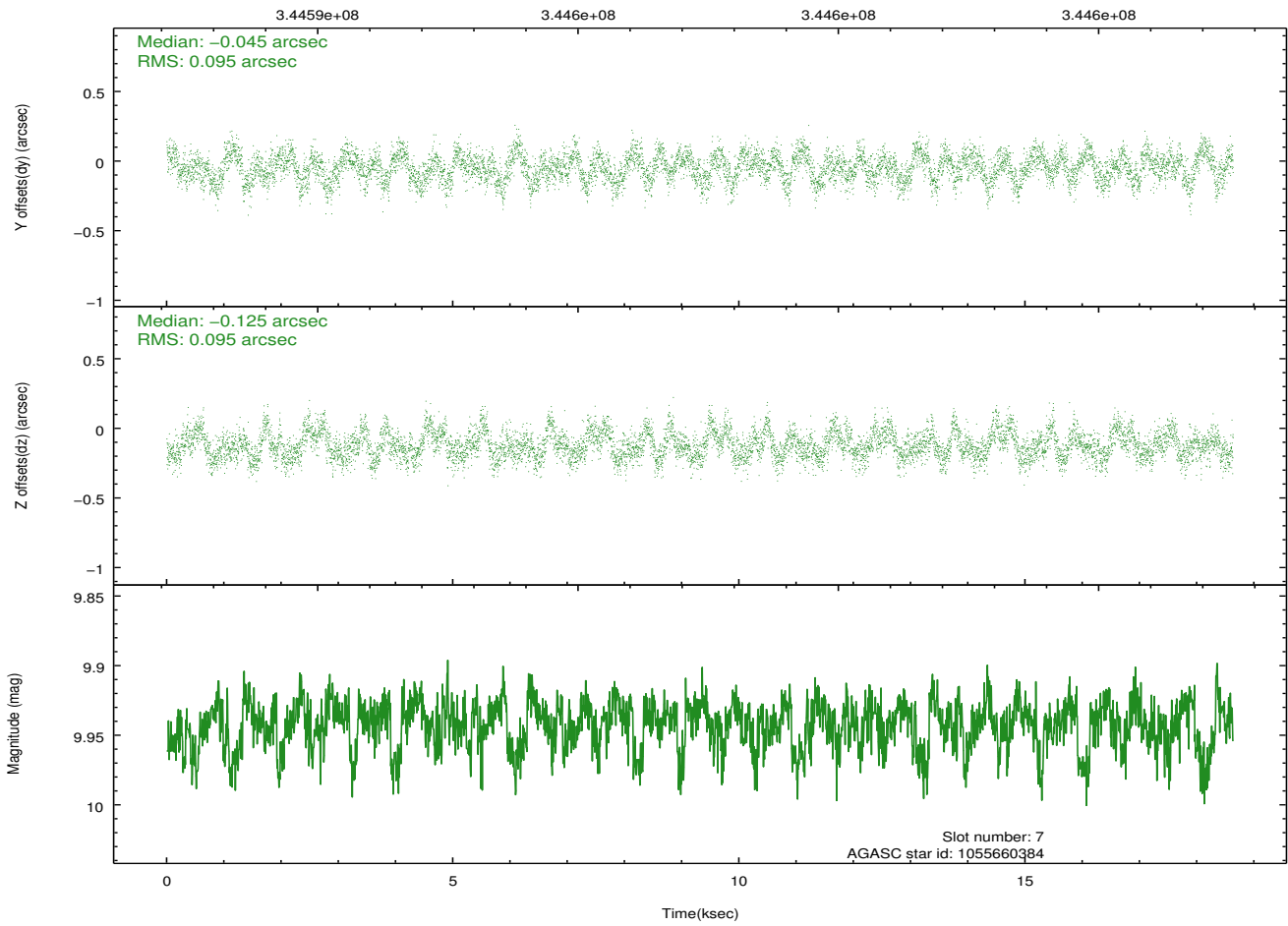
2.4.4 Slot 6



2.4.5 Slot 7

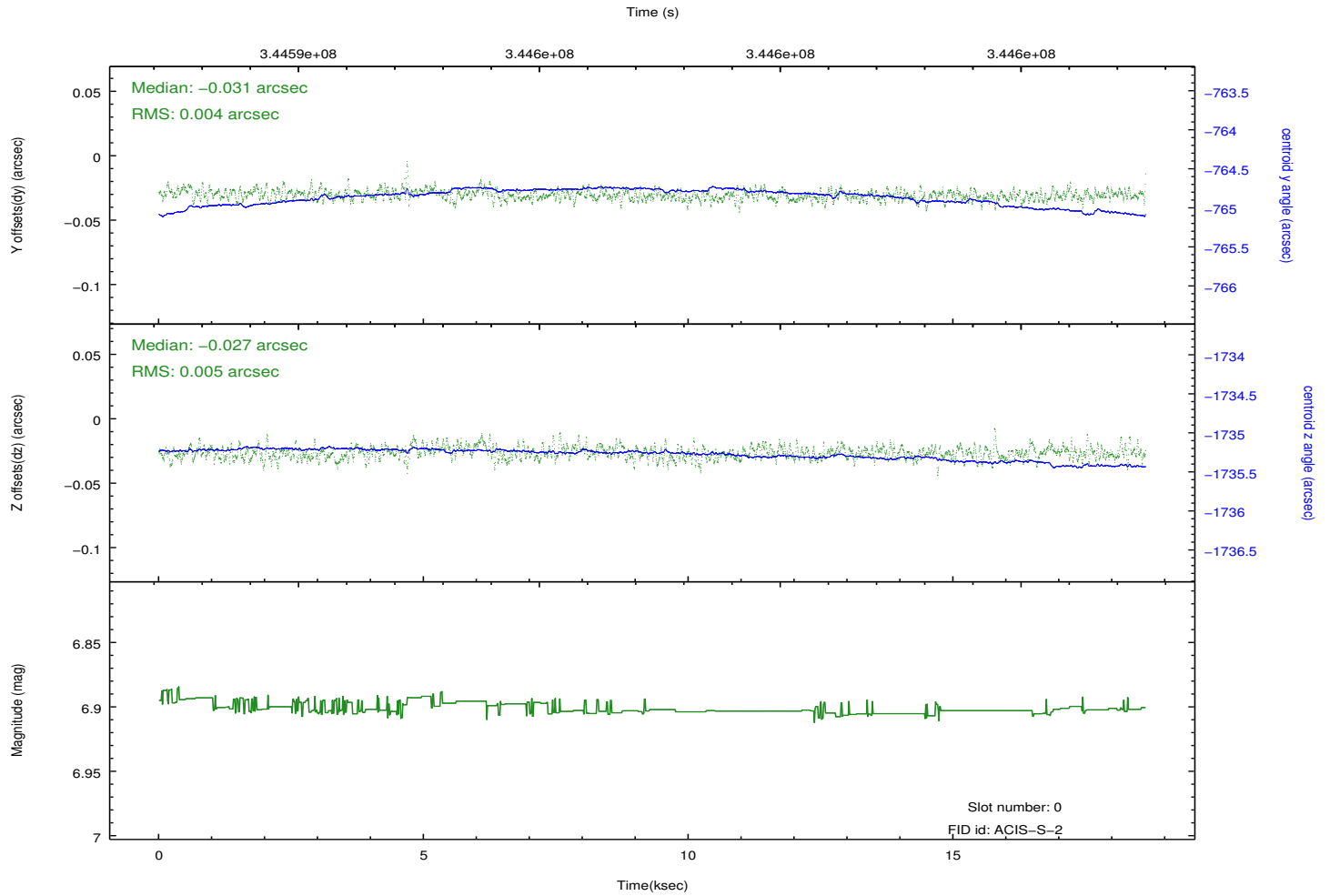
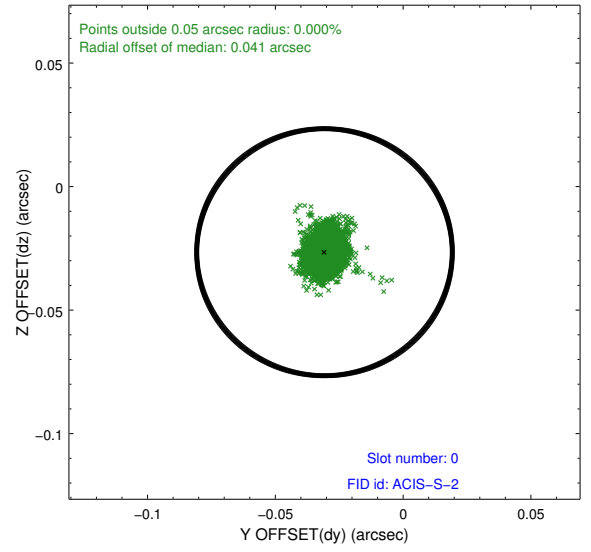
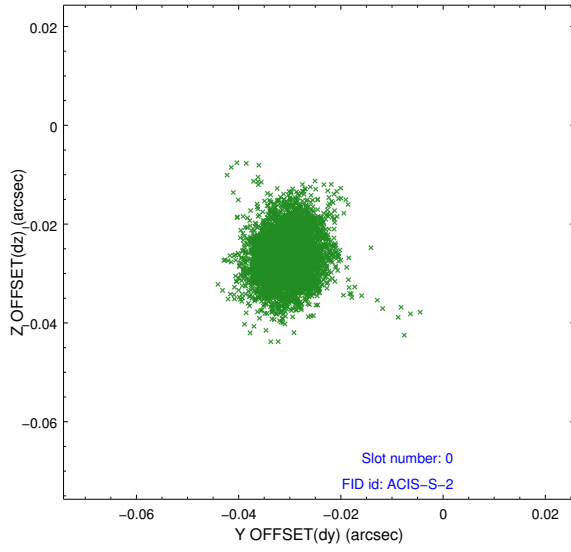


Time (s)

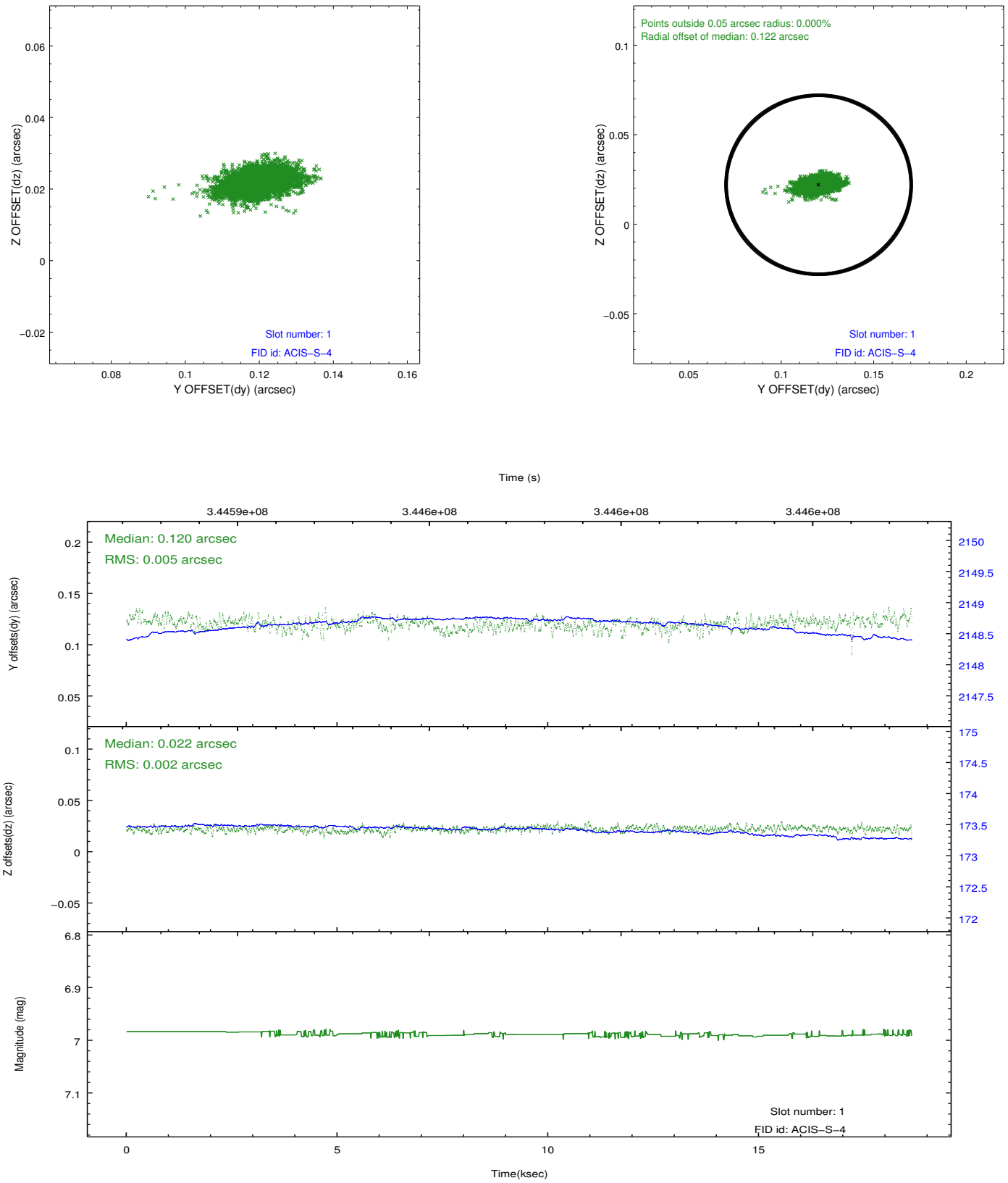


2.5 FID Slots

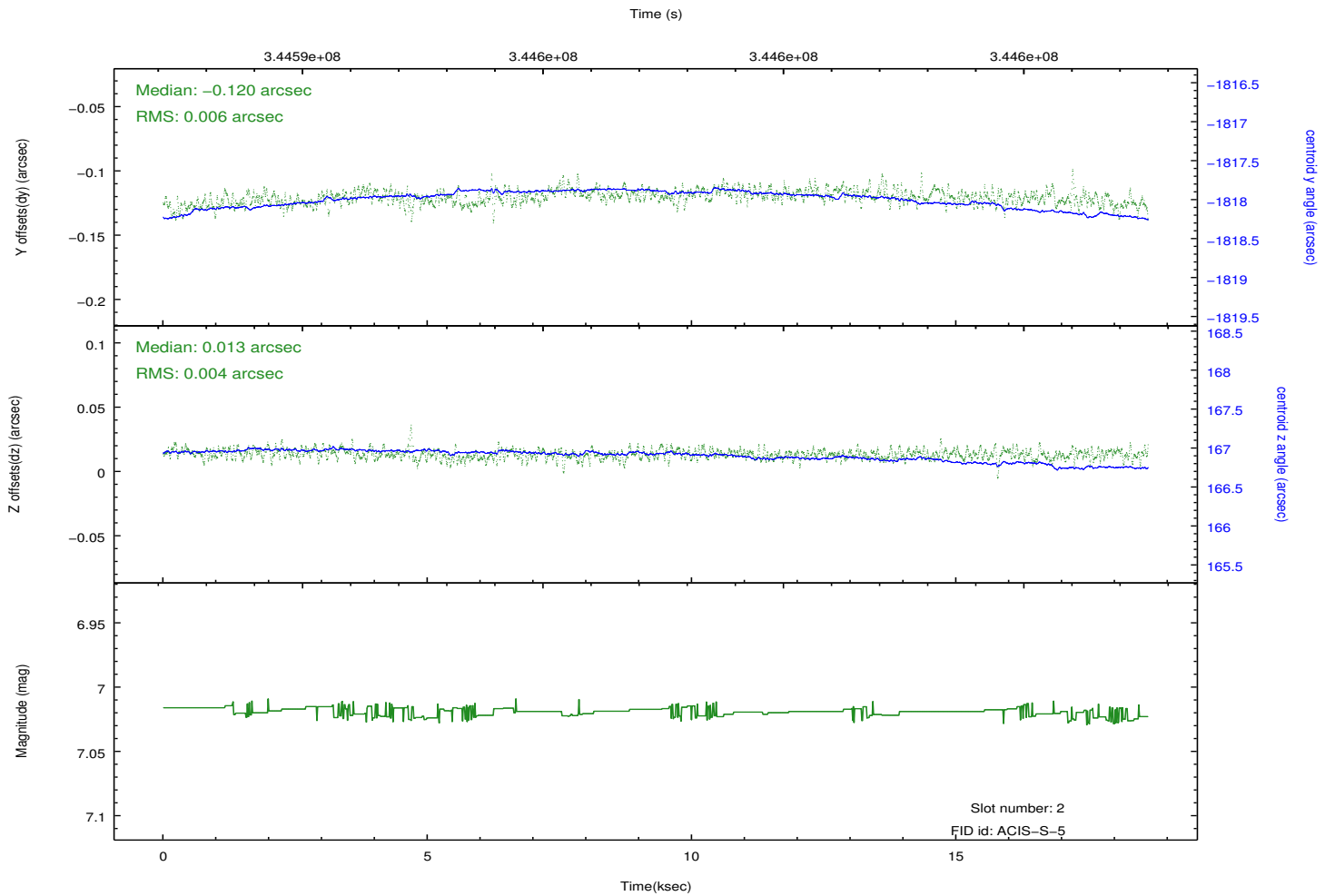
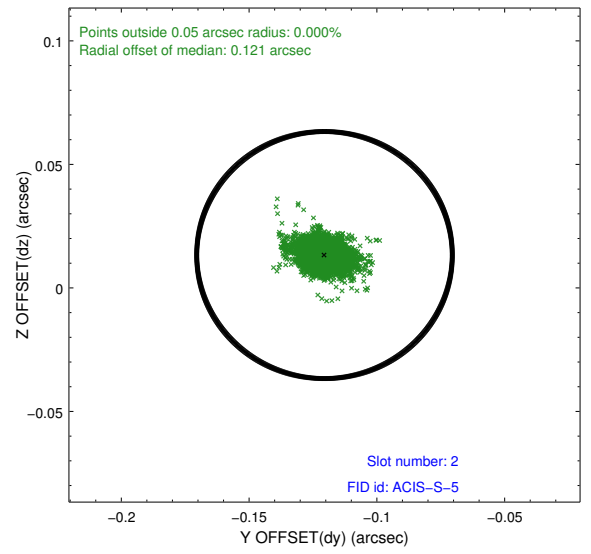
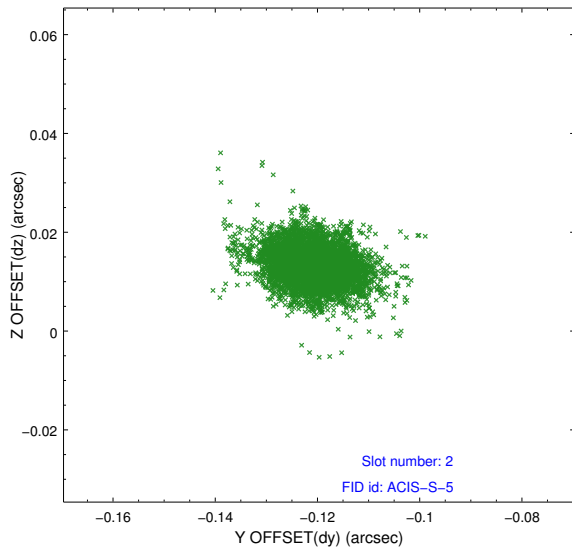
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.2239999

A.2 Comments

Joint proposal with NOAO.