

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2521 - L2 Version 3
Chandra X-Ray Center

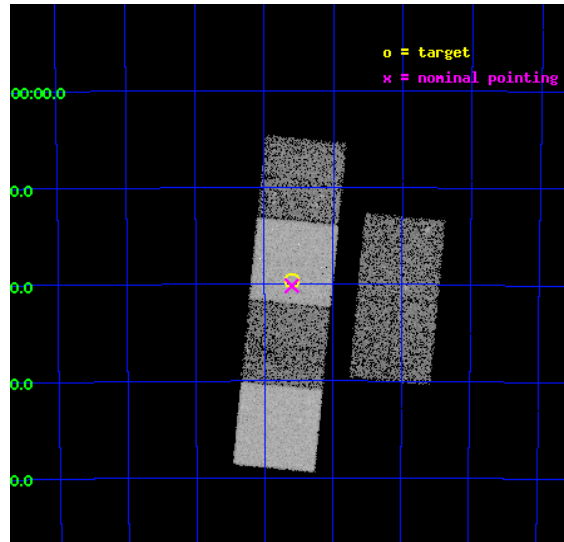
L2 Processing Date : Oct 9 2012

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1 Front

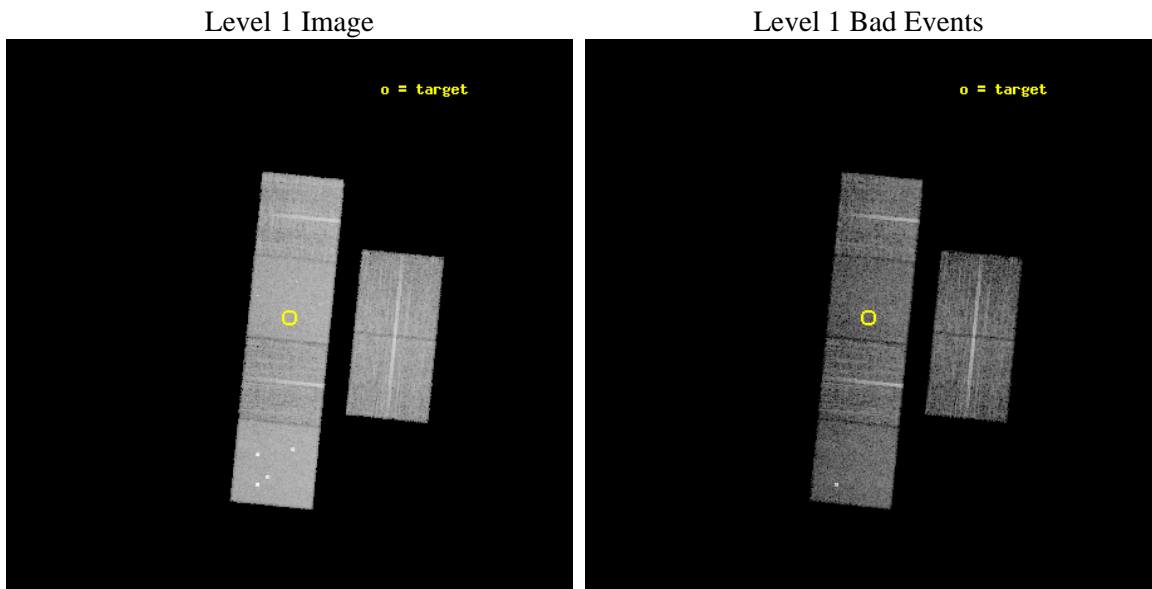
seq_num	200129	Sequence number
obs_id	2521	Observation id
title	A YSO-LIKE PULSED ASTROPHYSICAL JET AND BIPOLAR NEBULA IN A DYING STAR: WFPC2/STIS STUDY OF HE2-90	Proposal title
observer	Dr. Raghvendra Sahai	Principal investigator
object	HEN2-90	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	197.401667	Observer's specified target RA [deg]
dec_targ	-61.32675	Observer's specified target Dec [deg]
ra_nom	197.39998088221	Nominal RA [deg]
dec_nom	-61.336348703324	Nominal Dec [deg]
roll_nom	275.63620250645	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9439.9999648333	Sum of GTIs [s]
livetime	9320.465001193	Livetime [s]
ontime2	9439.9999648333	Sum of GTIs [s]
ontime3	9439.9999648333	Sum of GTIs [s]
ontime5	9439.9999648333	Sum of GTIs [s]
ontime6	9436.7589945495	Sum of GTIs [s]
ontime7	9439.9999648333	Sum of GTIs [s]
ontime8	9439.9999648333	Sum of GTIs [s]
l2events	94822	Number of level 2 events



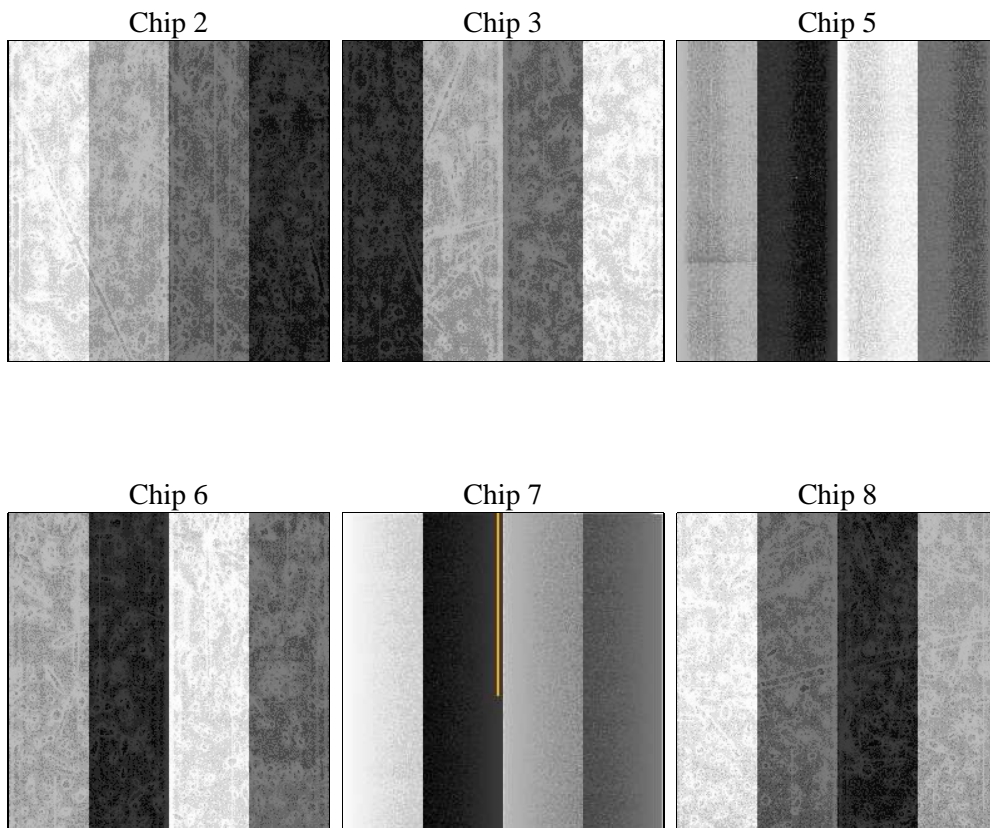
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9439.9999648333	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	9439.9999648333	Sum of GTIs [s]
date	2012-10-09T04:55:39	Date and time of file creation	ontime3	9439.9999648333	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	9439.9999648333	Sum of GTIs [s]
			ontime6	9436.7589945495	Sum of GTIs [s]
			ontime7	9439.9999648333	Sum of GTIs [s]
			ontime8	9439.9999648333	Sum of GTIs [s]
			l1events	437215	Number of level 1 events

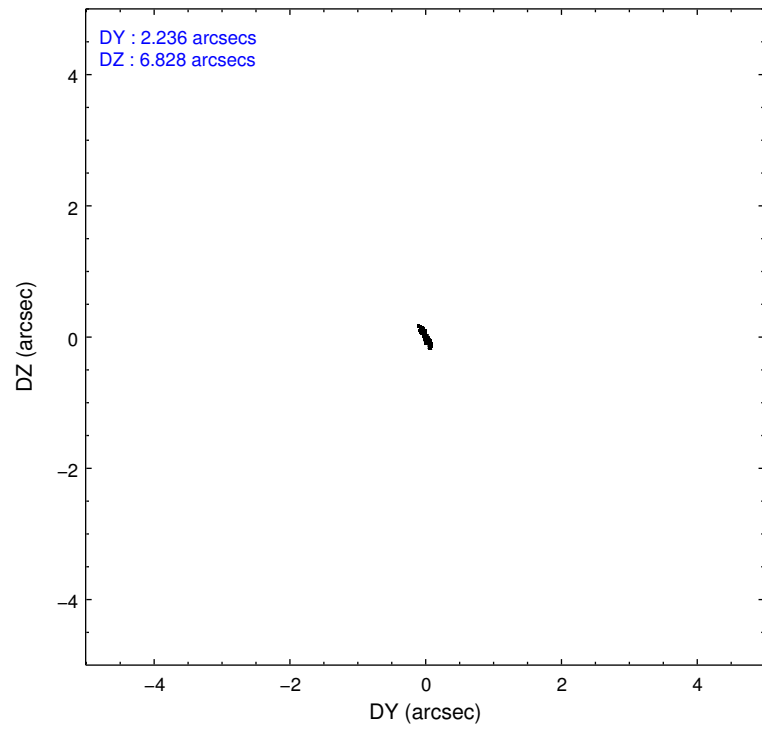
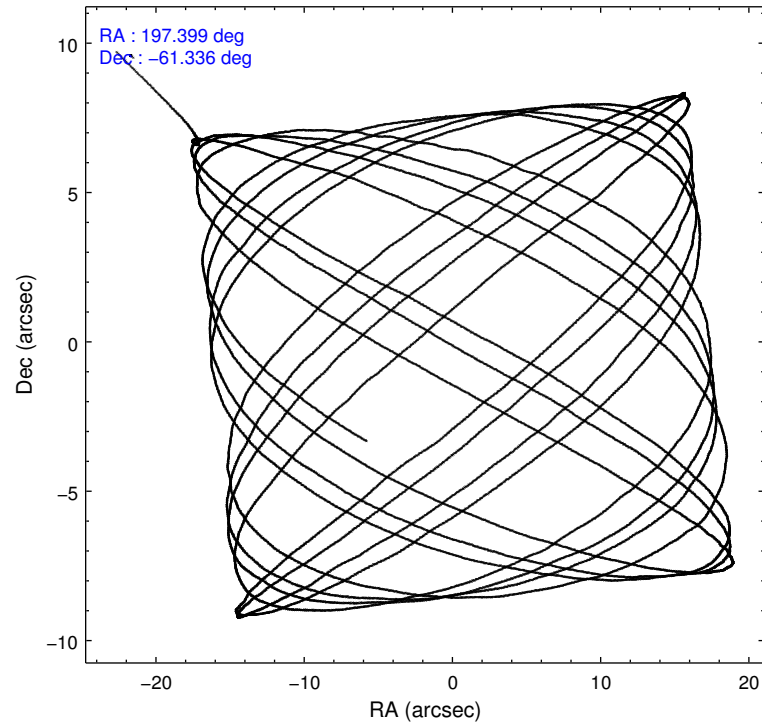
2.1.4 Events

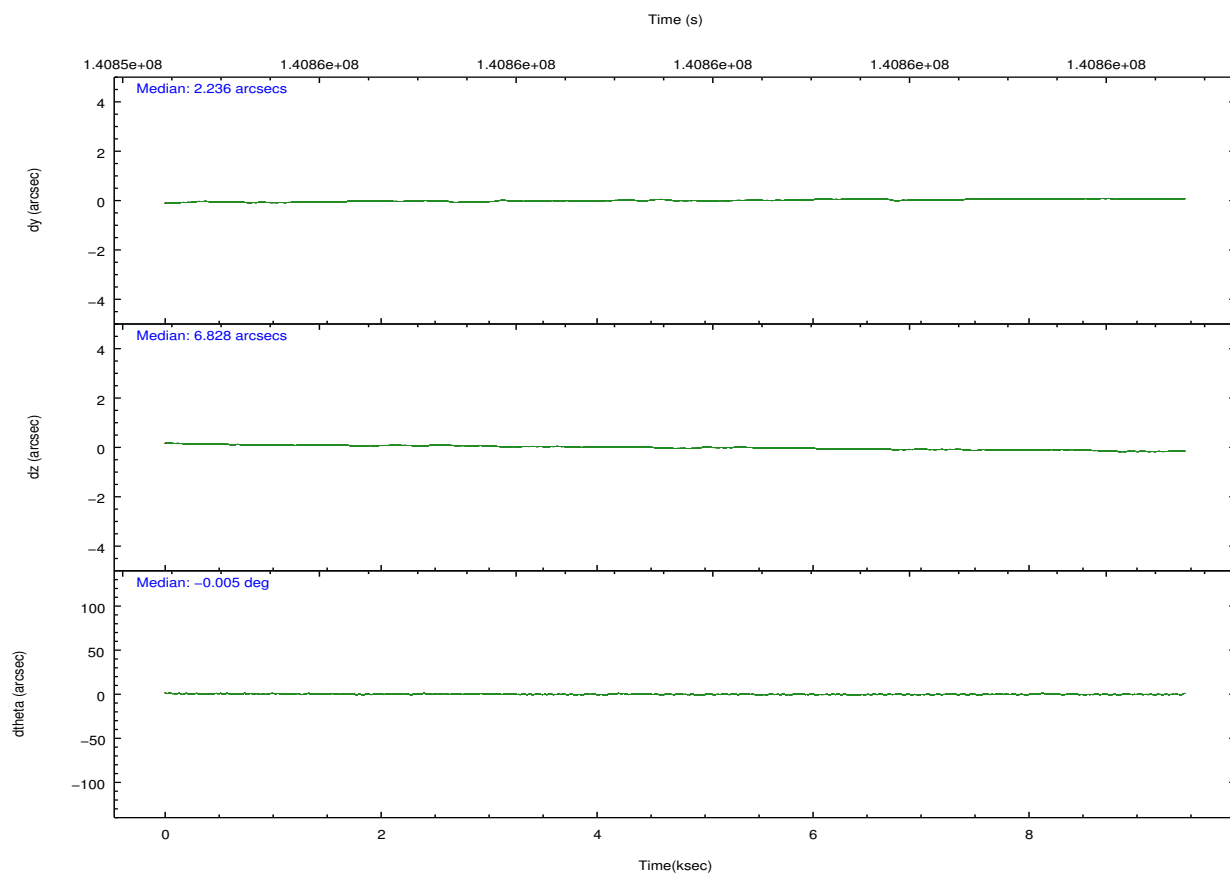
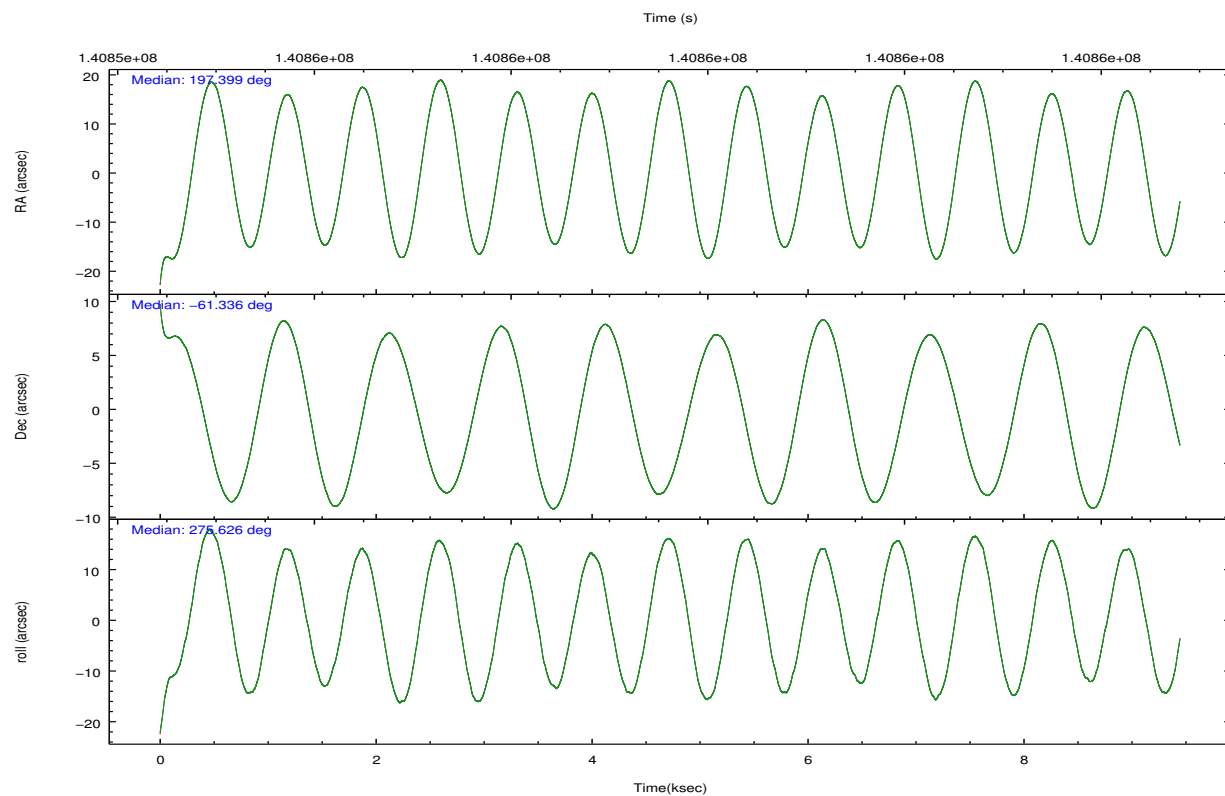
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	62029	58497	94305	62645	82120	77619	grade 0 events	3035	3127	7129	3050	3307	5078
rejected events	55180	51574	50976	55517	48919	62301		4%	5%	7%	4%	4%	6%
rejected %	88%	88%	54%	88%	59%	80%	grade 1 events	34	24	106	41	78	44
								0%	0%	0%	0%	0%	0%
							grade 2 events	1538	1384	12919	1467	6941	3454
								2%	2%	13%	2%	8%	4%
							grade 3 events	683	668	1687	718	3100	1661
								1%	1%	1%	1%	3%	2%
							grade 4 events	639	681	1619	694	3004	1550
								1%	1%	1%	1%	3%	1%
							grade 5 events	2152	2547	6728	2659	7809	3327
								3%	4%	7%	4%	9%	4%
							grade 6 events	1211	1291	21463	1468	17996	4151
								1%	2%	22%	2%	21%	5%
							grade 7 events	52737	48775	42654	52548	39885	58354
								85%	83%	45%	83%	48%	75%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	197.366424	197.3999808822127	Subarray requested	NONE	NONE
[deg] Pointing Dec	-61.314480	-61.33634870332436	Alternating exposures requested	N	N
[deg] Pointing Roll	275.450139	275.6362025064453	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	140855040.184000	140853831.27988			
Observation start date	2002-06-19T06:22:56	2002-06-19T06:03:51			
[s] Observation end time (MET)	140864340.184000	140864798.26783			
Observation end date	2002-06-19T08:57:56	2002-06-19T09:06:38			
Read mode	TIMED	TIMED			

2.3 Aspect



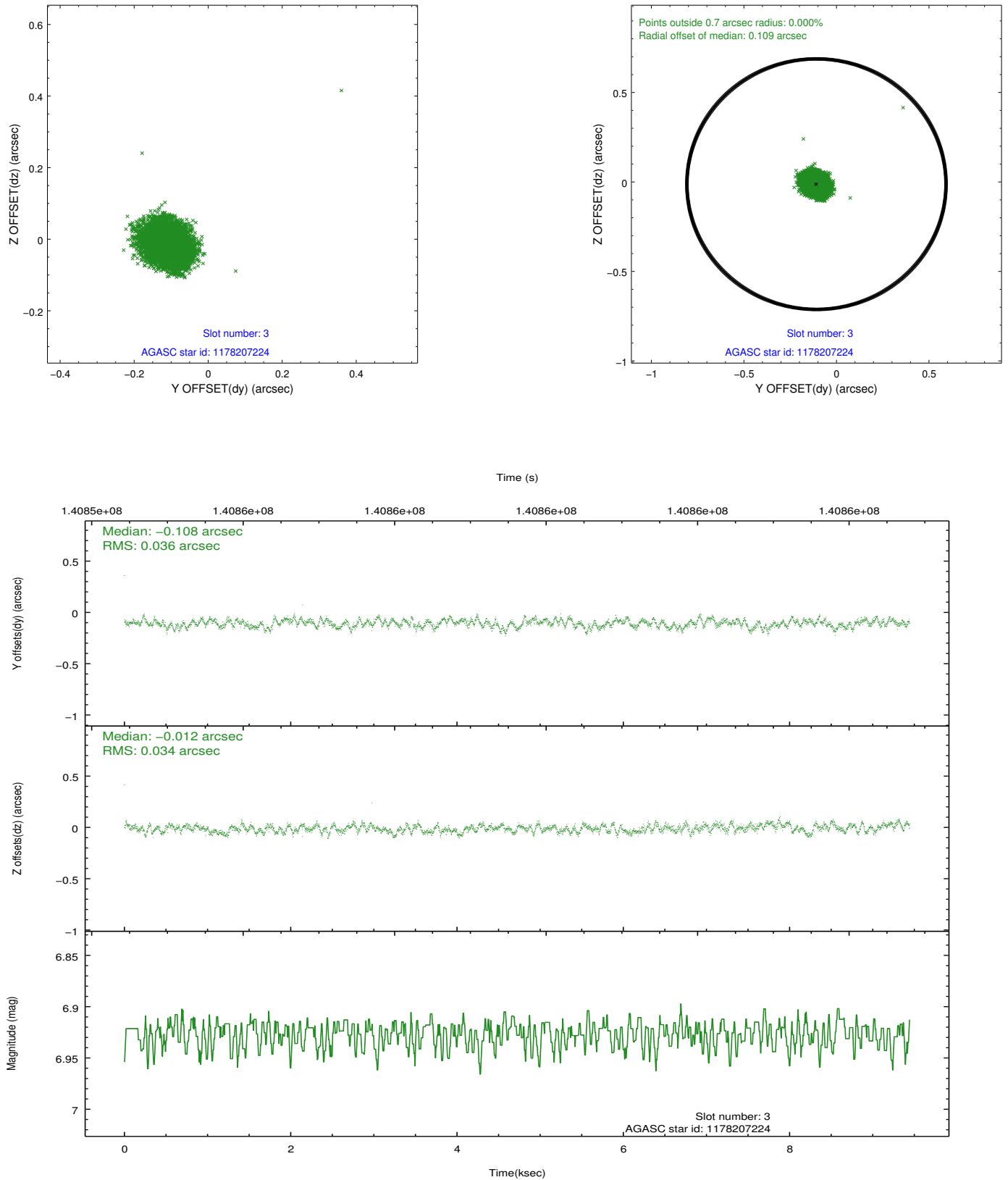


Slot Statistics

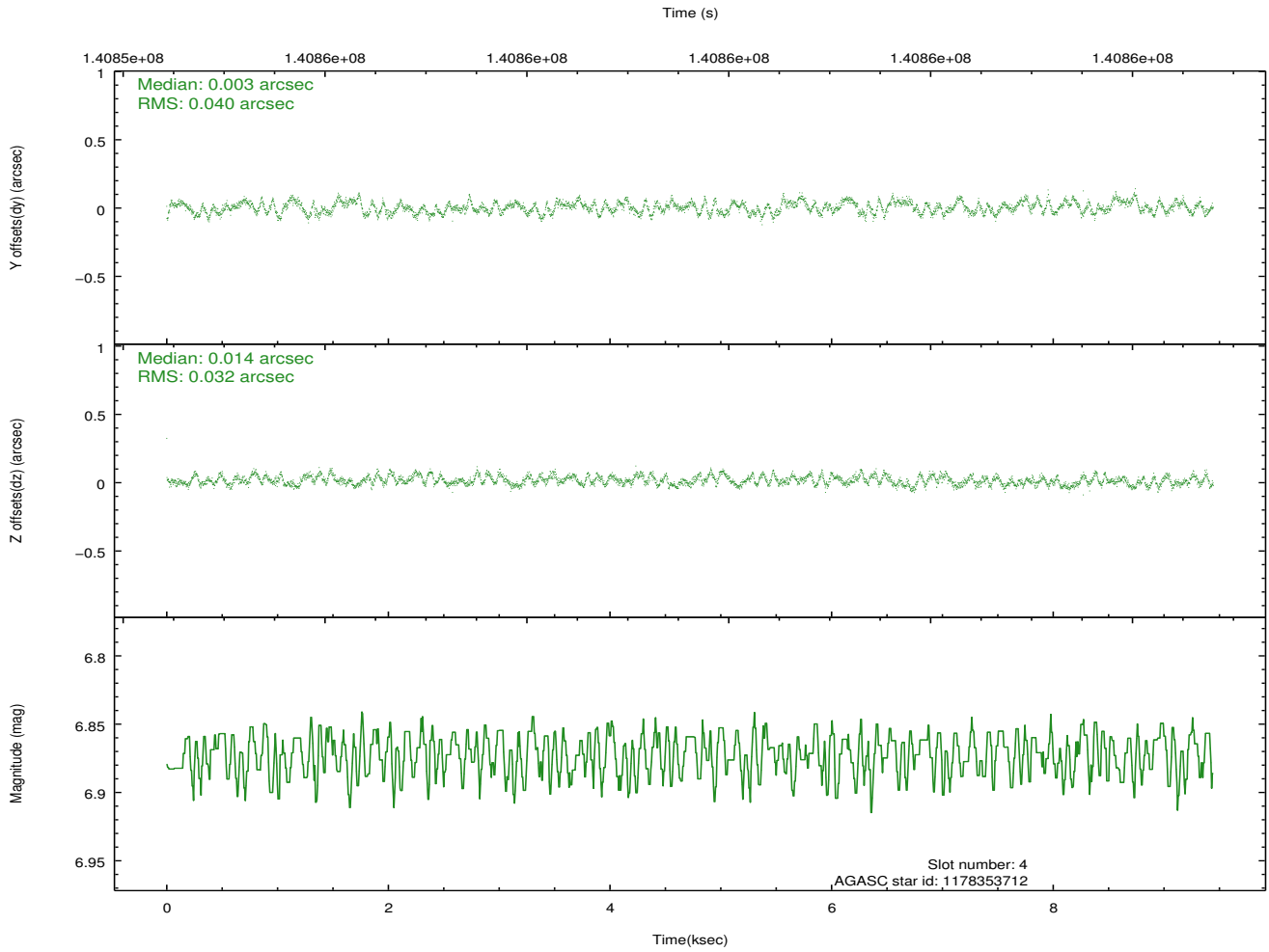
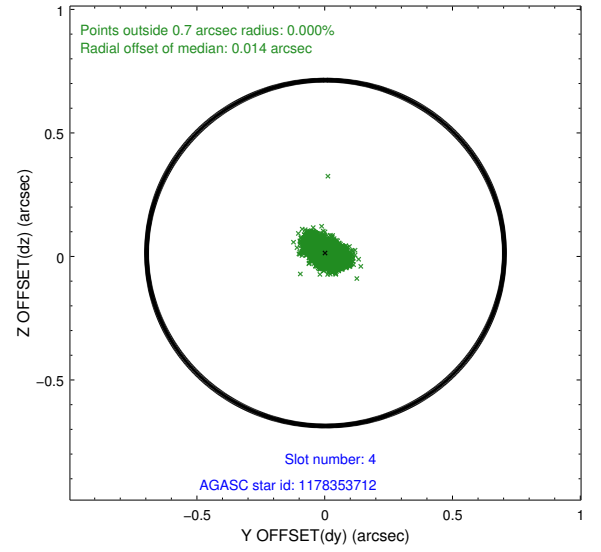
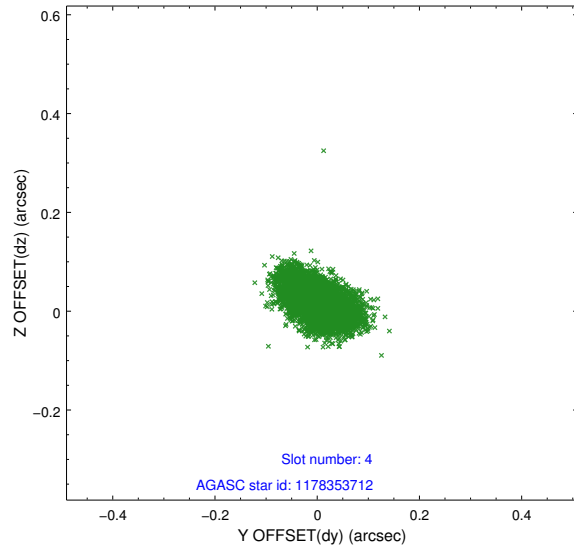
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2304	-0.034	-0.002	0.010	0.020	0.000000	0.000000	-754.88	-1727.99
1	FID	ACIS-S-4	7.20	2304	-0.014	0.017	0.010	0.028	0.000000	0.000000	2158.14	179.95
2	FID	ACIS-S-5	7.24	2304	0.018	-0.007	0.010	0.021	0.000000	0.000000	-1806.95	174.21
3	GUIDE	1178207224	6.93	4608	-0.108	-0.012	0.053	0.080	196.243518	-61.438577	278.98	-1967.16
4	GUIDE	1178353712	6.87	4608	0.003	0.014	0.055	0.087	197.981474	-61.117326	-599.05	1131.87
5	GUIDE	1178362328	7.53	4608	0.081	0.055	0.053	0.088	198.207937	-61.545115	973.68	1358.26
6	GUIDE	1178207632	8.04	4608	0.044	0.020	0.062	0.103	196.153548	-61.710280	1242.75	-2195.76
7	GUIDE	1178346272	8.60	4604	-0.025	-0.079	0.059	0.098	197.595234	-60.787807	-1847.39	580.18

2.4 Star Slots

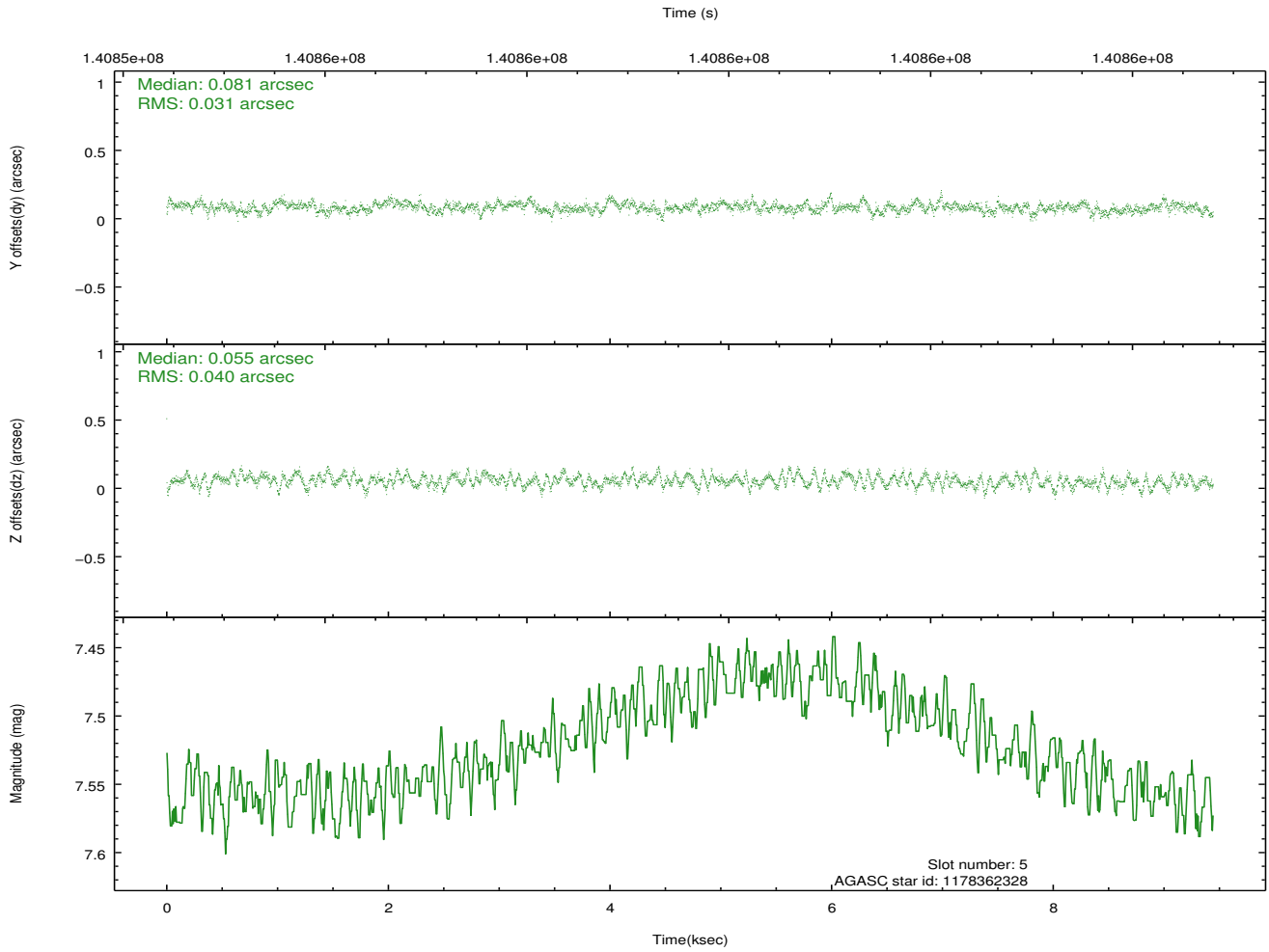
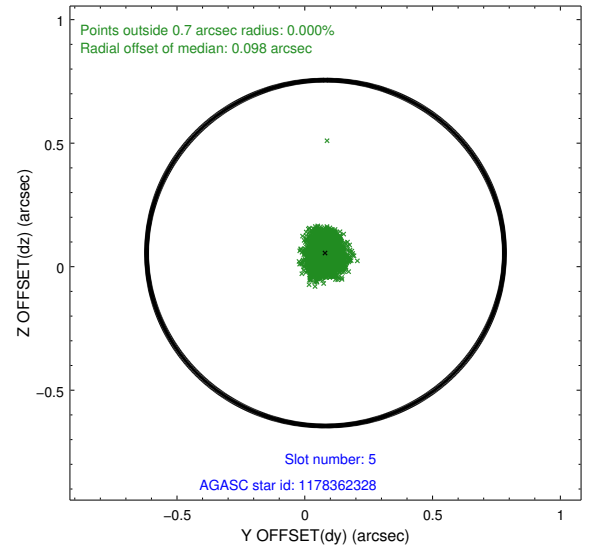
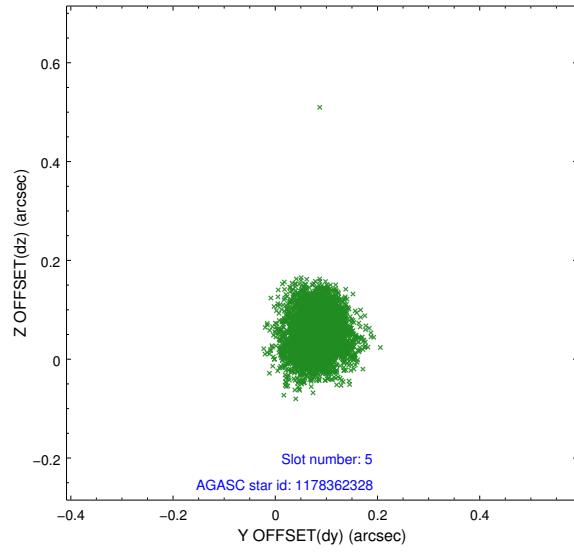
2.4.1 Slot 3



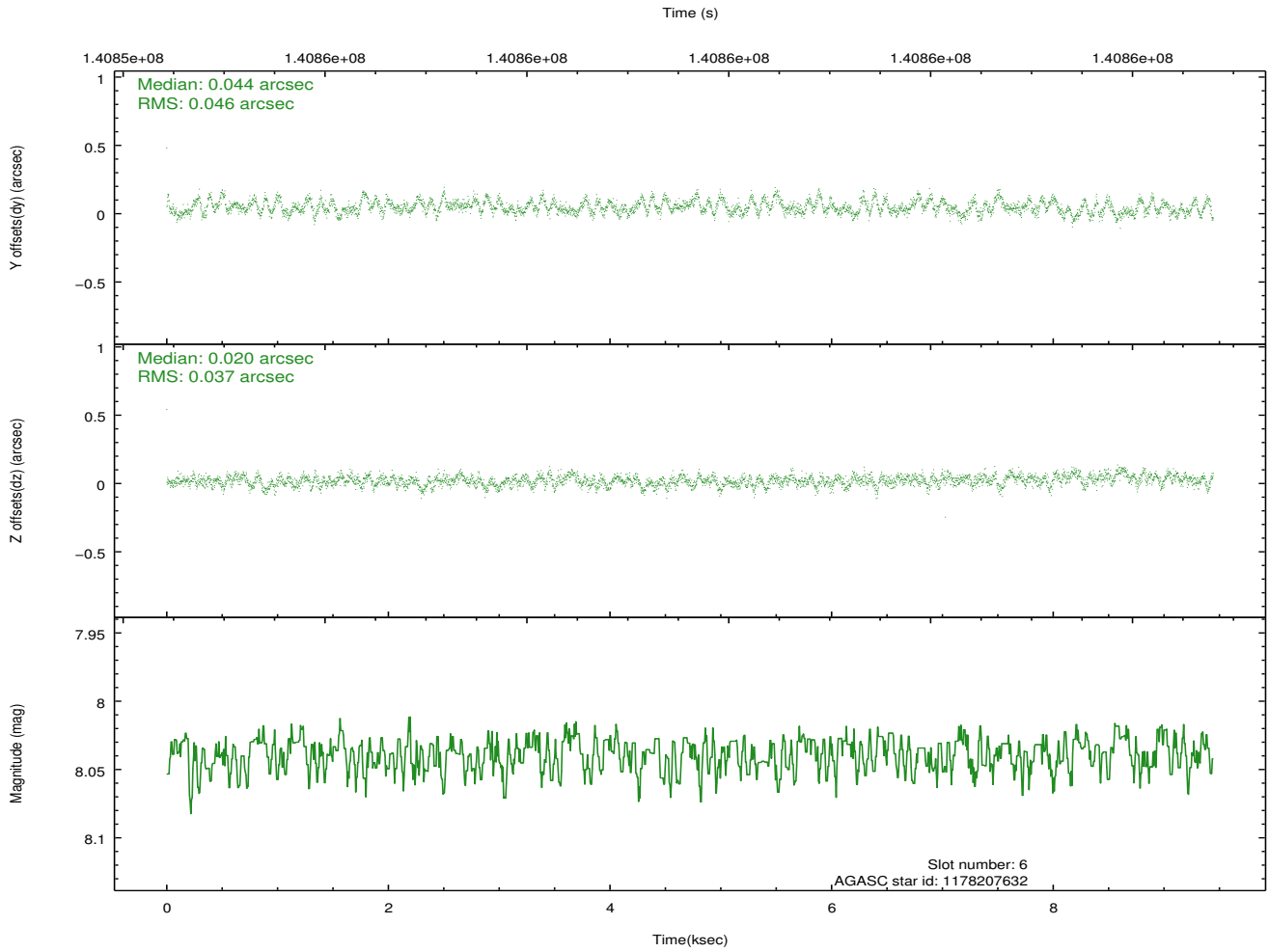
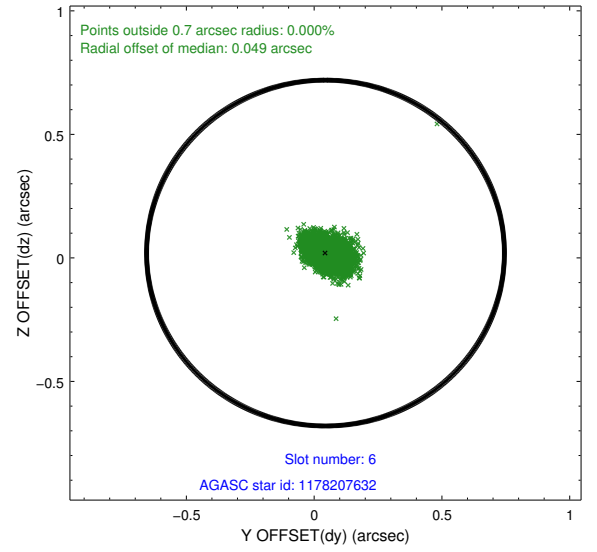
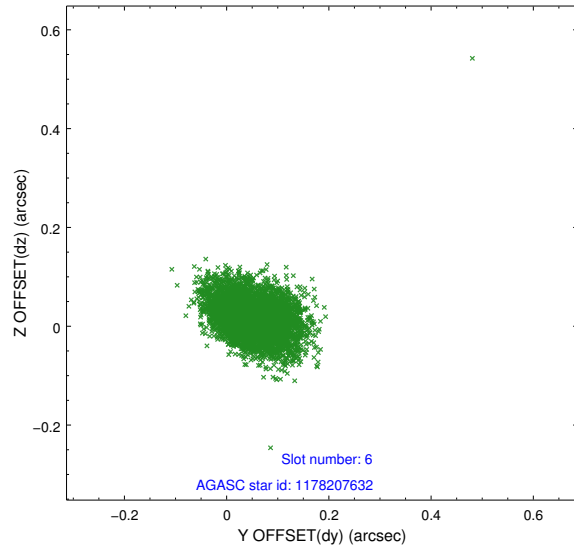
2.4.2 Slot 4



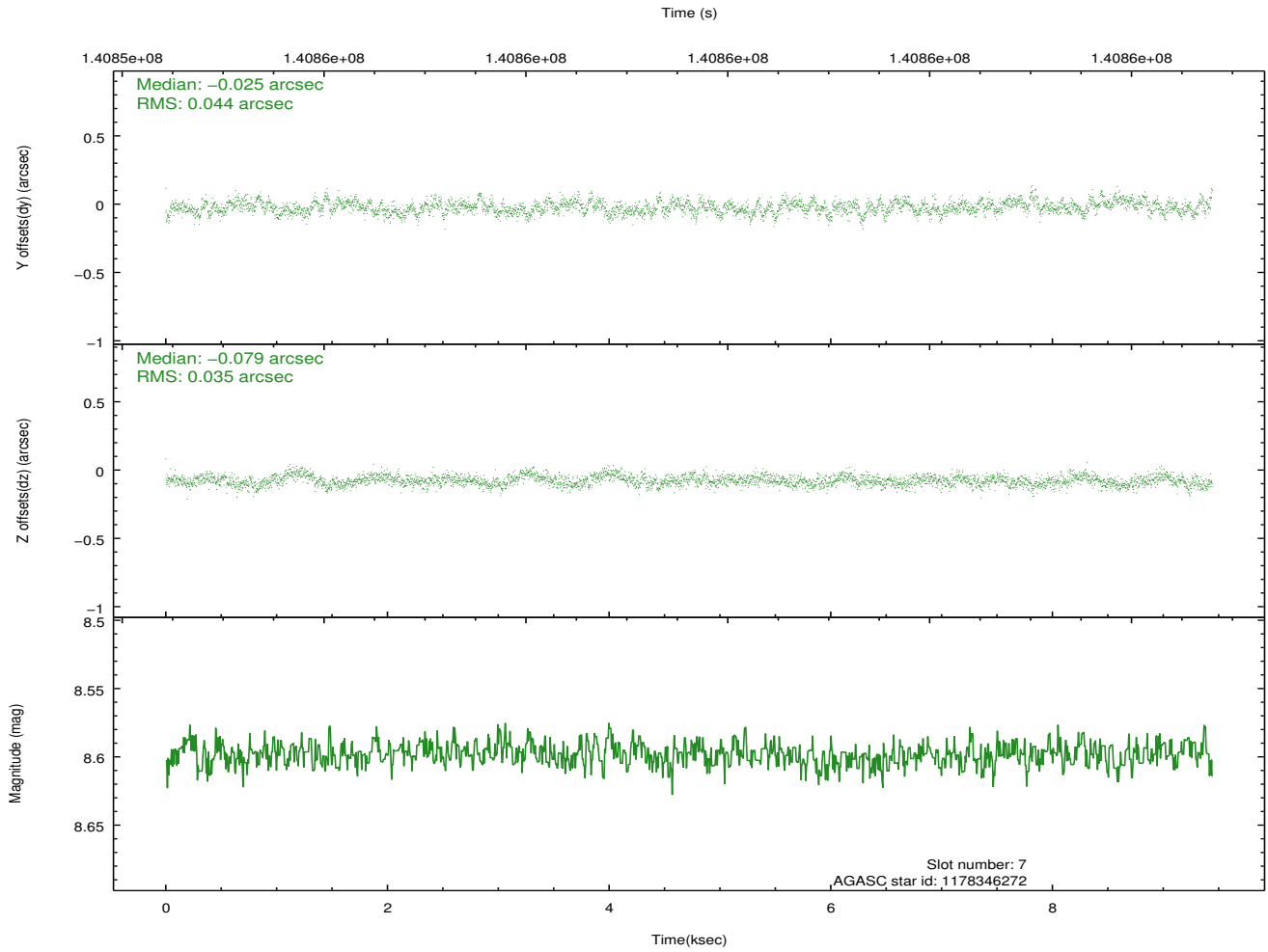
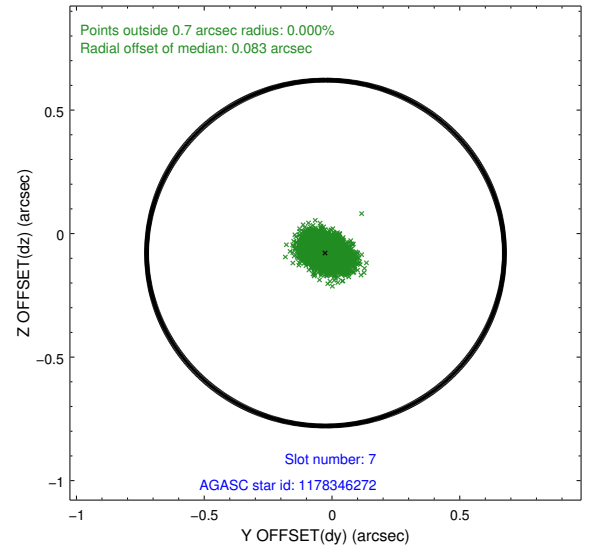
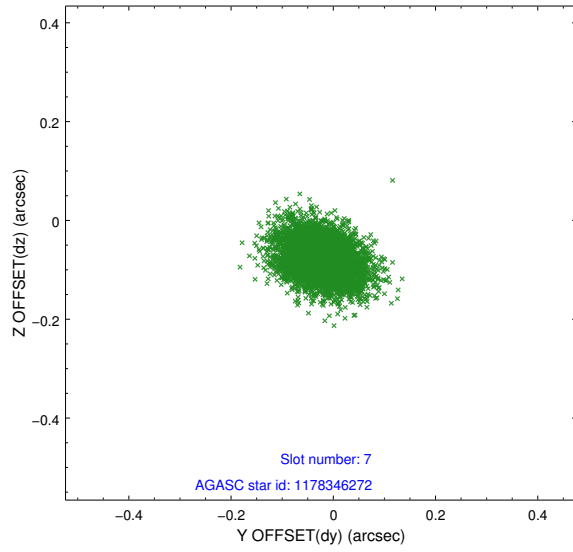
2.4.3 Slot 5



2.4.4 Slot 6

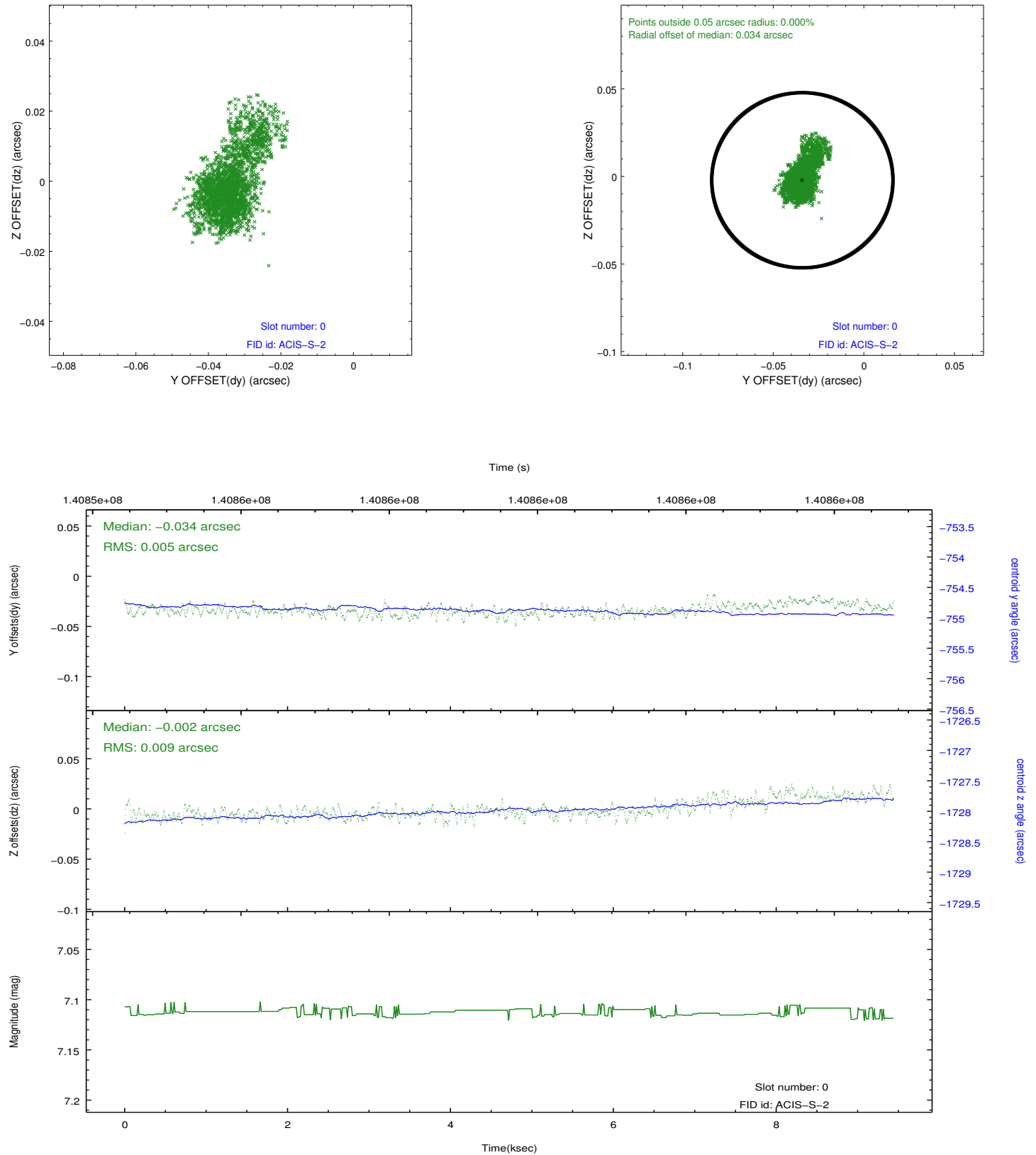


2.4.5 Slot 7

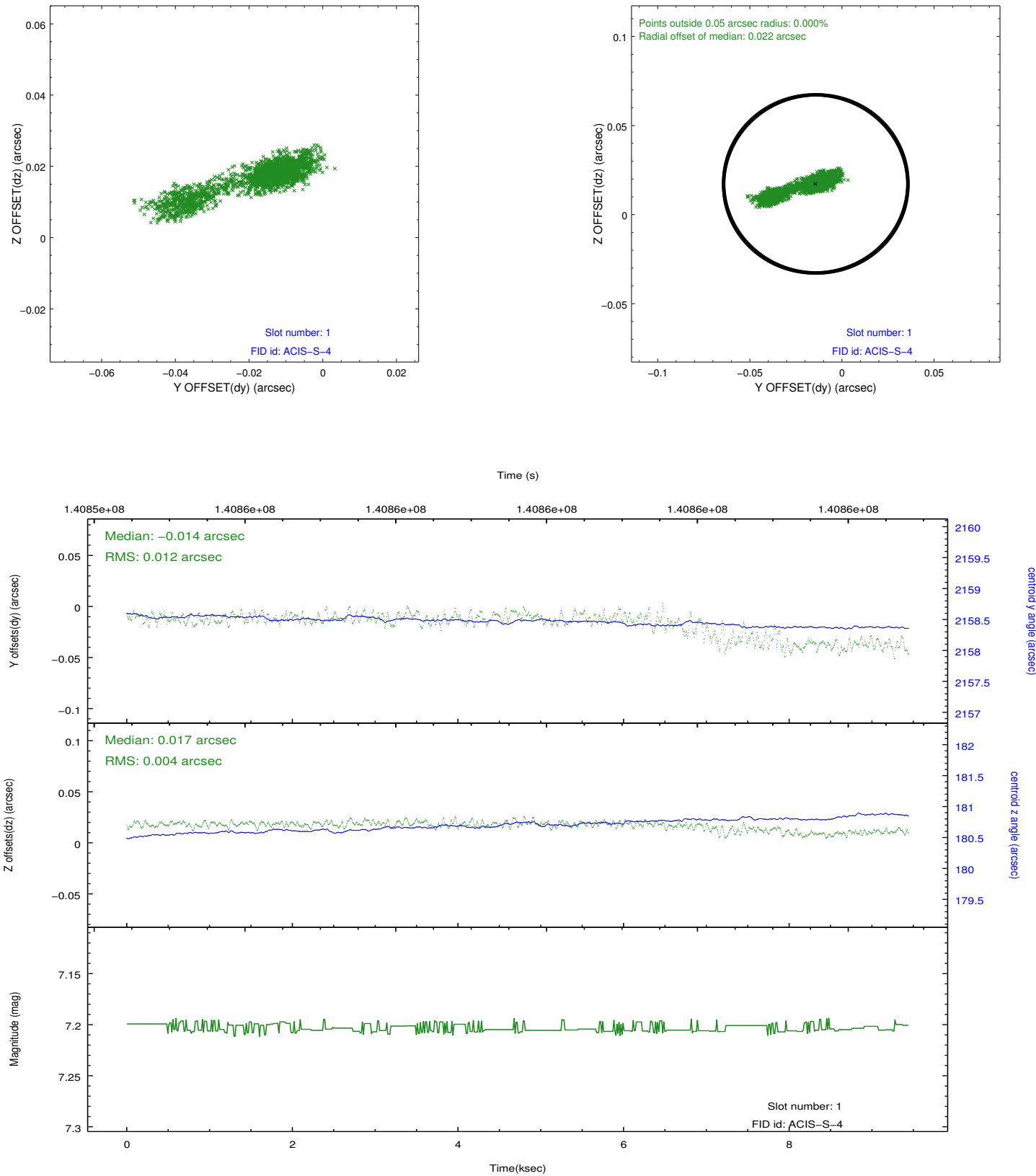


2.5 FID Slots

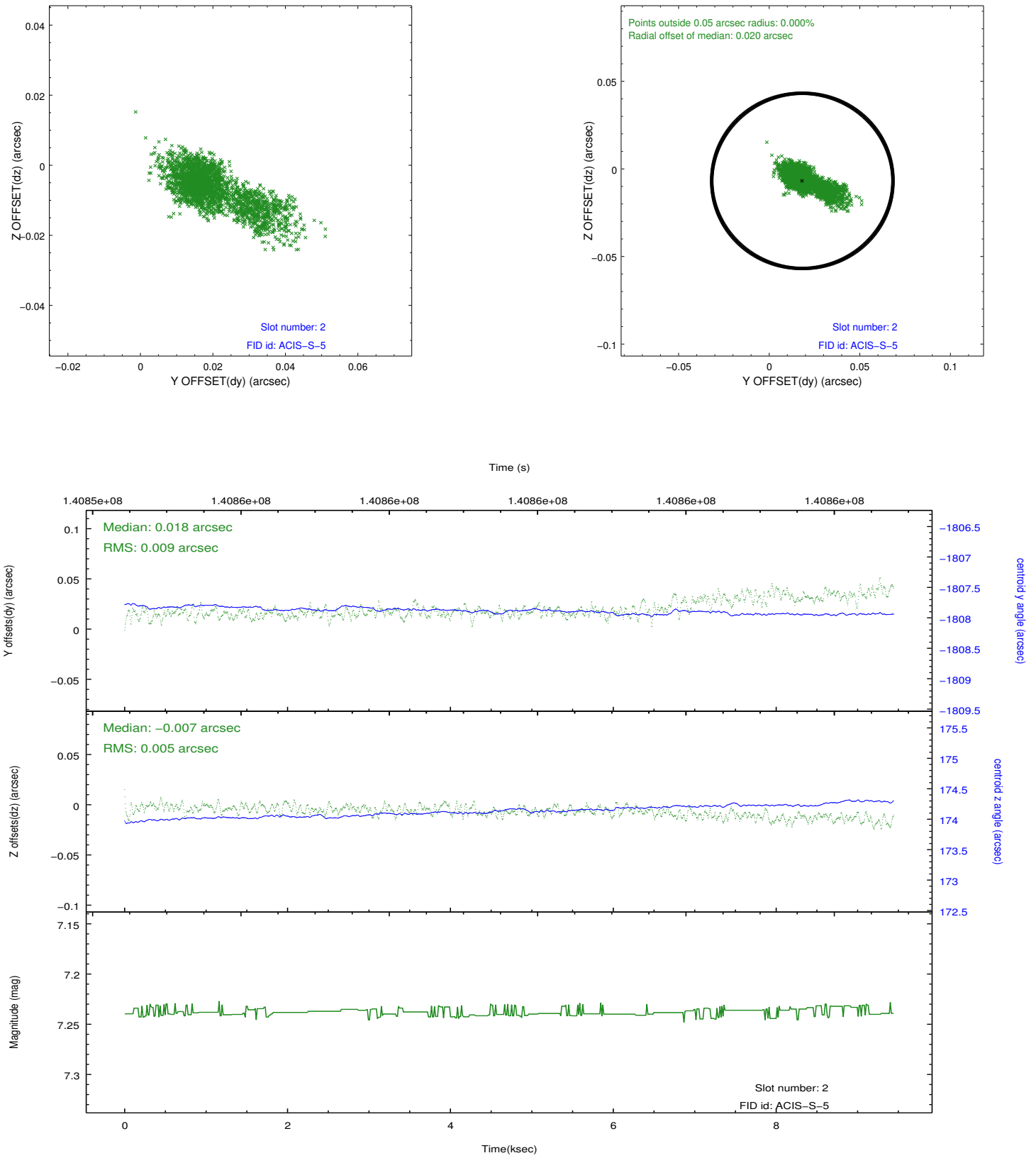
2.5.1 Slot 0



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)	2012.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.44

A.2 Comments

Joint Proposal: CX0-HST