

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12891 - L2 Version 4
Chandra X-Ray Center

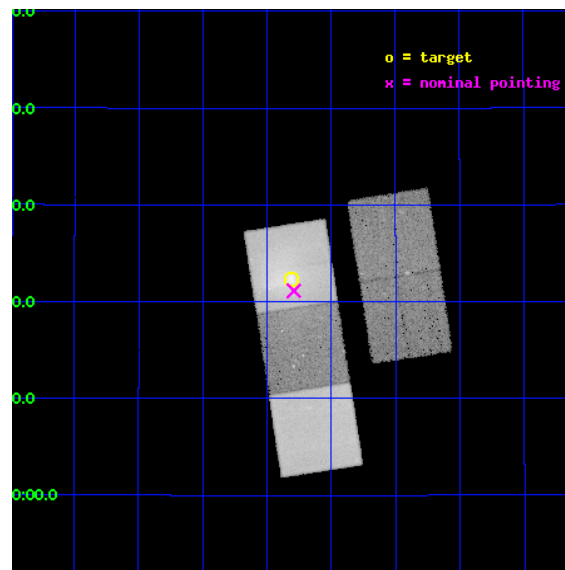
L2 Processing Date : Apr 5 2012

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1 Front

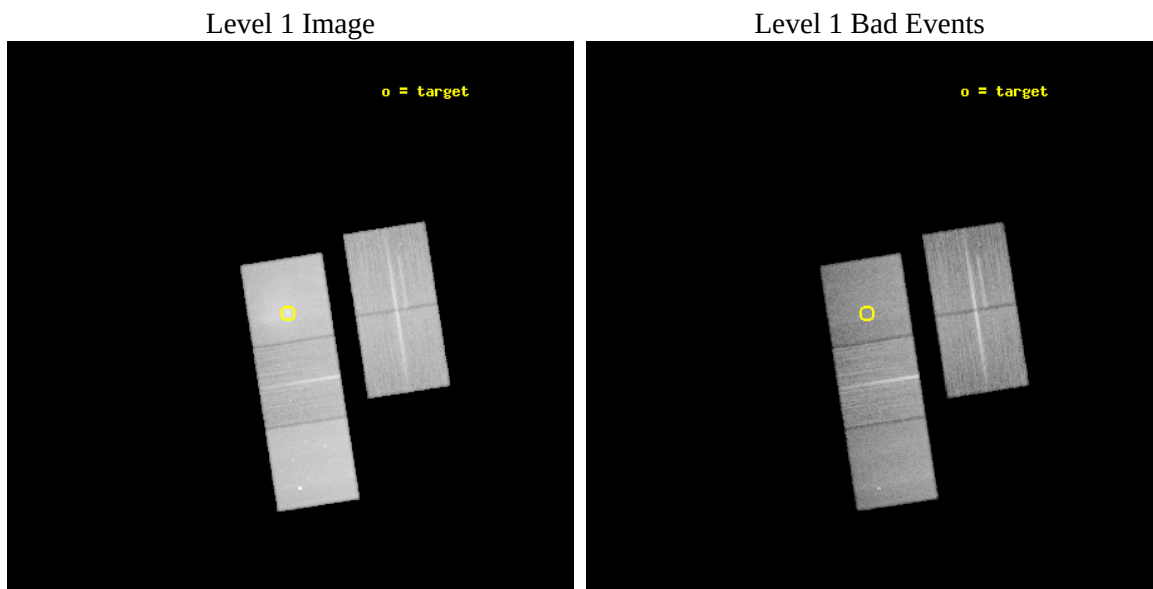
seq_num	801028	Sequence number
obs_id	12891	Observation id
title	A textbook cold front in Abell 1775 at sharp focus with Chandra	Pr
observer	Dr Fabio Gastaldello	Principal investigator
object	Abell 1775	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	205.453333	Observer's specified target RA [deg]
dec_targ	26.372444	Observer's specified target Dec [deg]
ra_nom	205.44792565013	Nominal RA [deg]
dec_nom	26.352173281312	Nominal Dec [deg]
roll_nom	261.15902799561	Nominal Roll [deg]
revision	4	Processing version of data
ontime	40042.700307965	Sum of GTIs [s]
livetime	39519.512949435	Livetime [s]
ontime2	40042.700307965	Sum of GTIs [s]
ontime3	40042.700307965	Sum of GTIs [s]
ontime5	40042.700307965	Sum of GTIs [s]
ontime6	40036.418357313	Sum of GTIs [s]
ontime7	40042.700307965	Sum of GTIs [s]
l2events	460176	Number of level 2 events



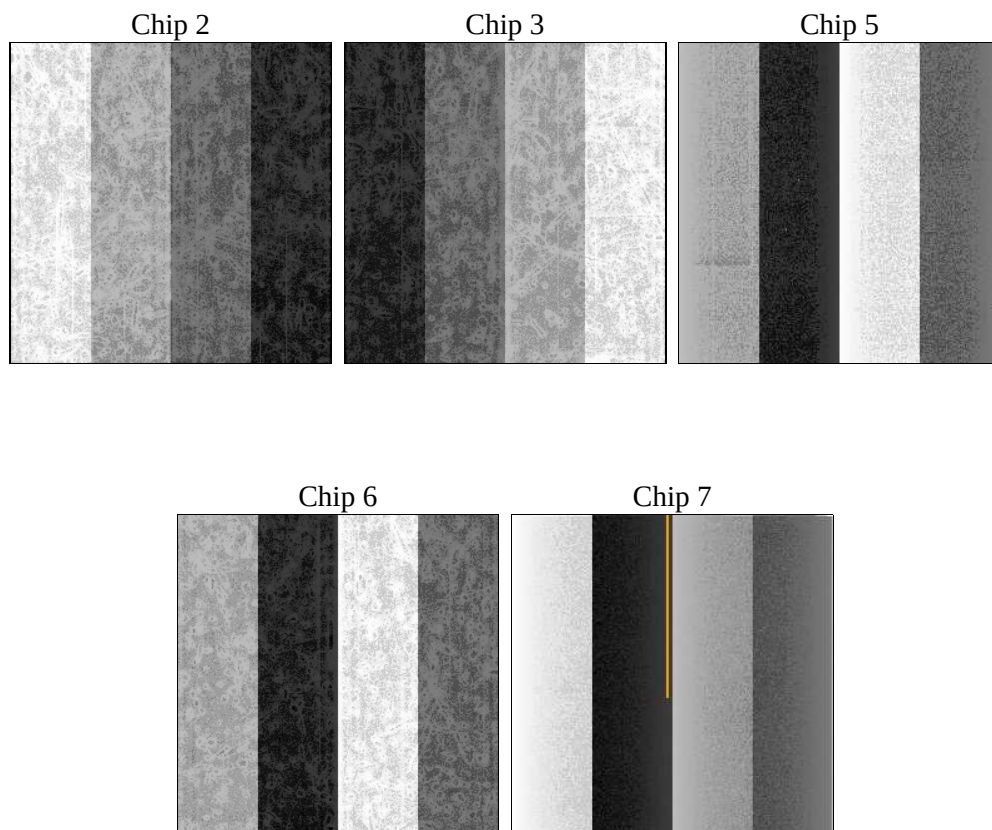
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	40042.700307965	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	40042.700307965	Sum of GTIs [s]
date	2012-04-04T19:18:06	Date and time of file creation	ontime3	40042.700307965	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	40042.700307965	Sum of GTIs [s]
			ontime6	40036.418357313	Sum of GTIs [s]
			ontime7	40042.700307965	Sum of GTIs [s]
			l1events	1504713	Number of level 1 events

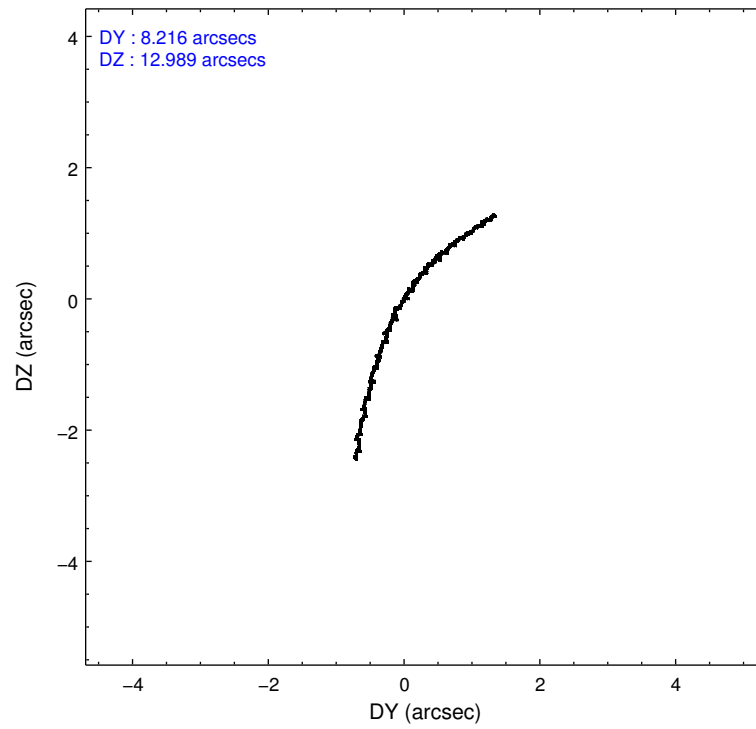
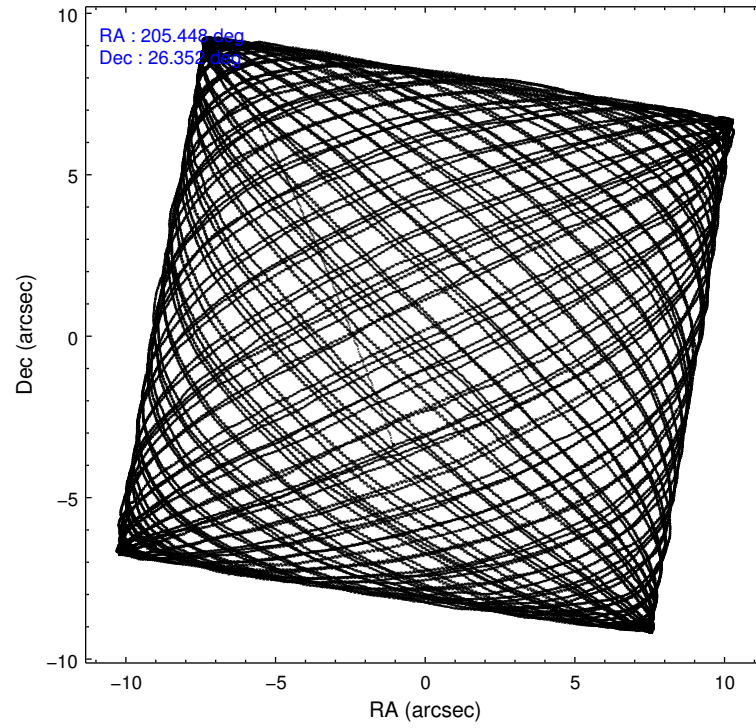
2.1.4 Events

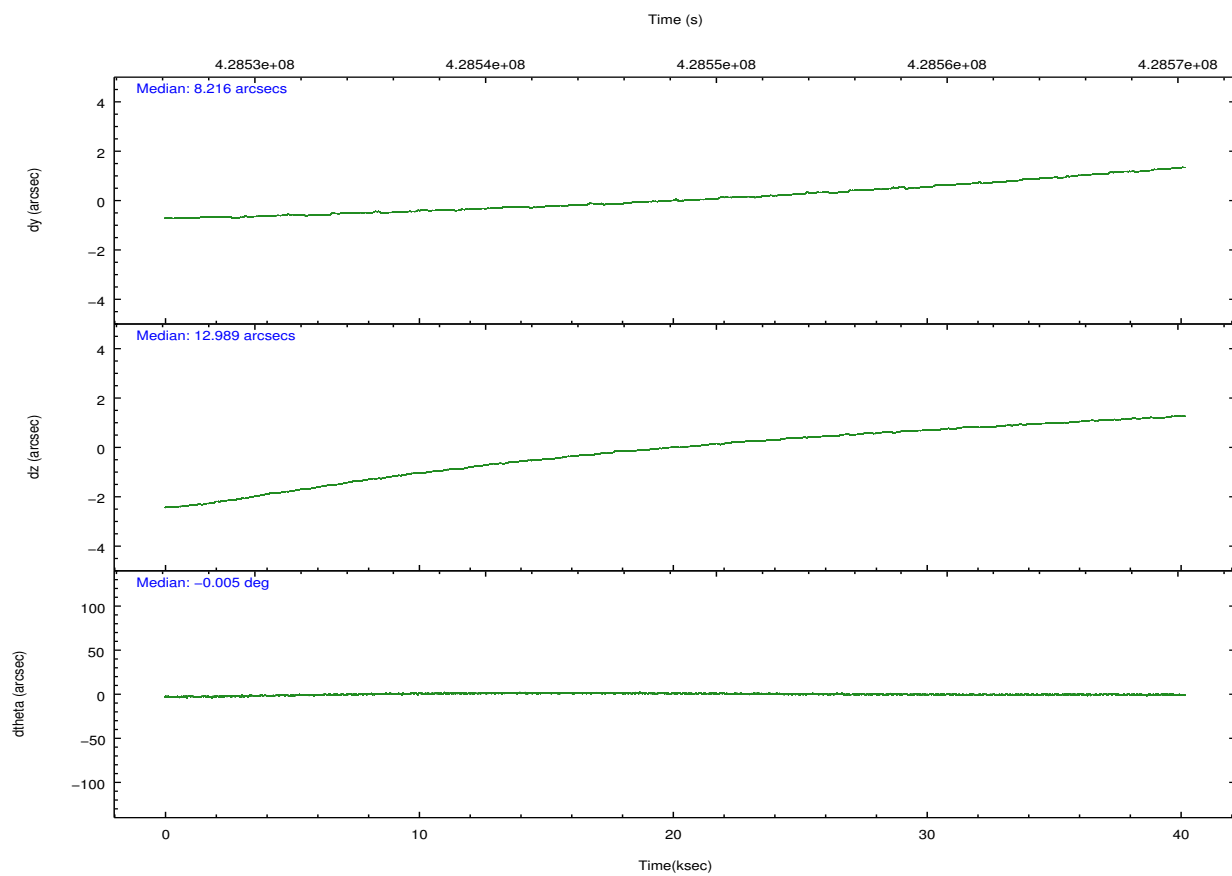
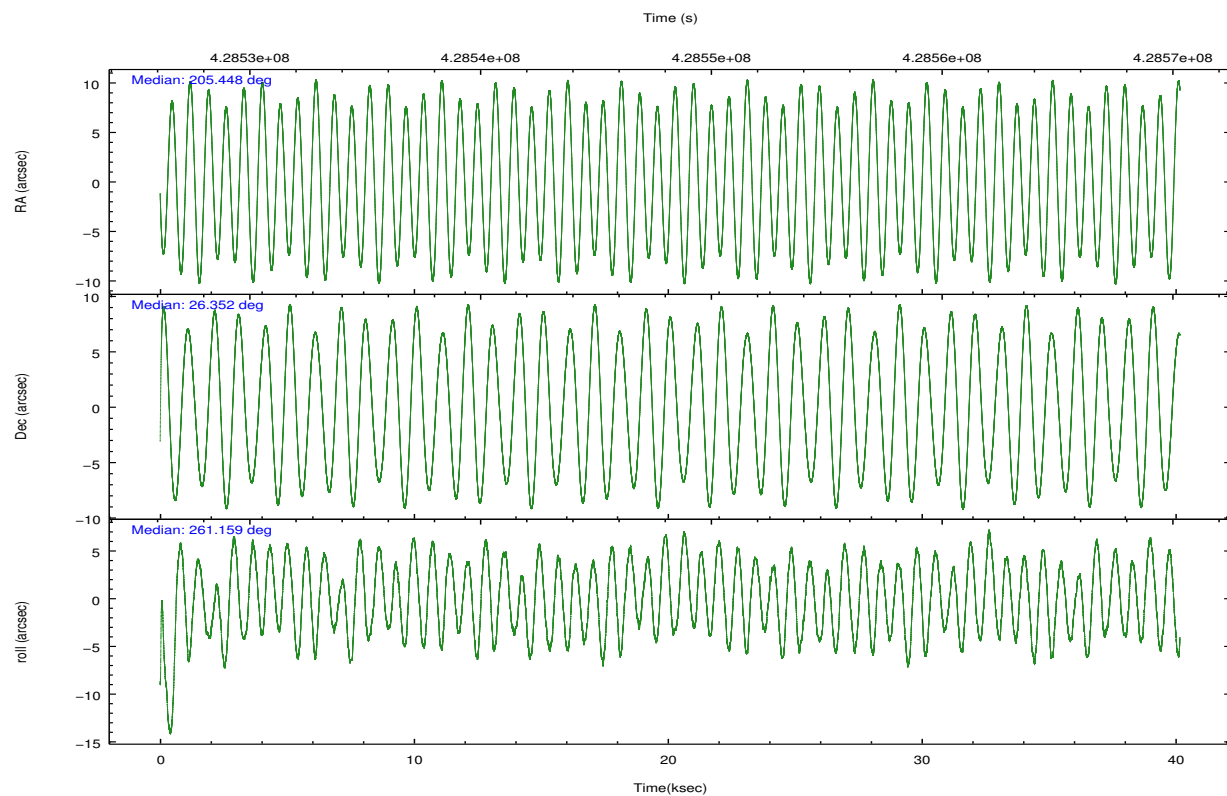
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	241721	237292	385290	256928	383482	grade 0 events	9850	10902	14284	14328	33899
rejected events	214970	209395	199202	222876	175383		4%	4%	3%	5%	8%
rejected %	88%	88%	51%	86%	45%	grade 1 events	137	129	1323	132	376
							0%	0%	0%	0%	0%
						grade 2 events	6458	5829	57560	7051	46826
							2%	2%	14%	2%	12%
						grade 3 events	2669	2800	6996	3100	20013
							1%	1%	1%	1%	5%
						grade 4 events	2730	2914	6702	3103	19623
							1%	1%	1%	1%	5%
						grade 5 events	9304	11746	29074	11840	32643
							3%	4%	7%	4%	8%
						grade 6 events	5045	5453	100567	6470	87755
							2%	2%	26%	2%	22%
						grade 7 events	205528	197519	168784	210904	142347
							85%	83%	43%	82%	37%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	205.436527	205.4479256501297	Subarray requested	NONE	NONE
[deg] Pointing Dec	26.377522	26.35217328131217	Alternating exposures requested	N	N
[deg] Pointing Roll	261.007467	261.1590279956144	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	428528279.184000	428527158.53778			
Observation start date	2011-07-31T19:36:53	2011-07-31T19:19:18			
[s] Observation end time (MET)	428568279.184000	428569156.37748			
Observation end date	2011-08-01T06:43:33	2011-08-01T06:59:16			
Read mode	TIMED	TIMED			

2.3 Aspect



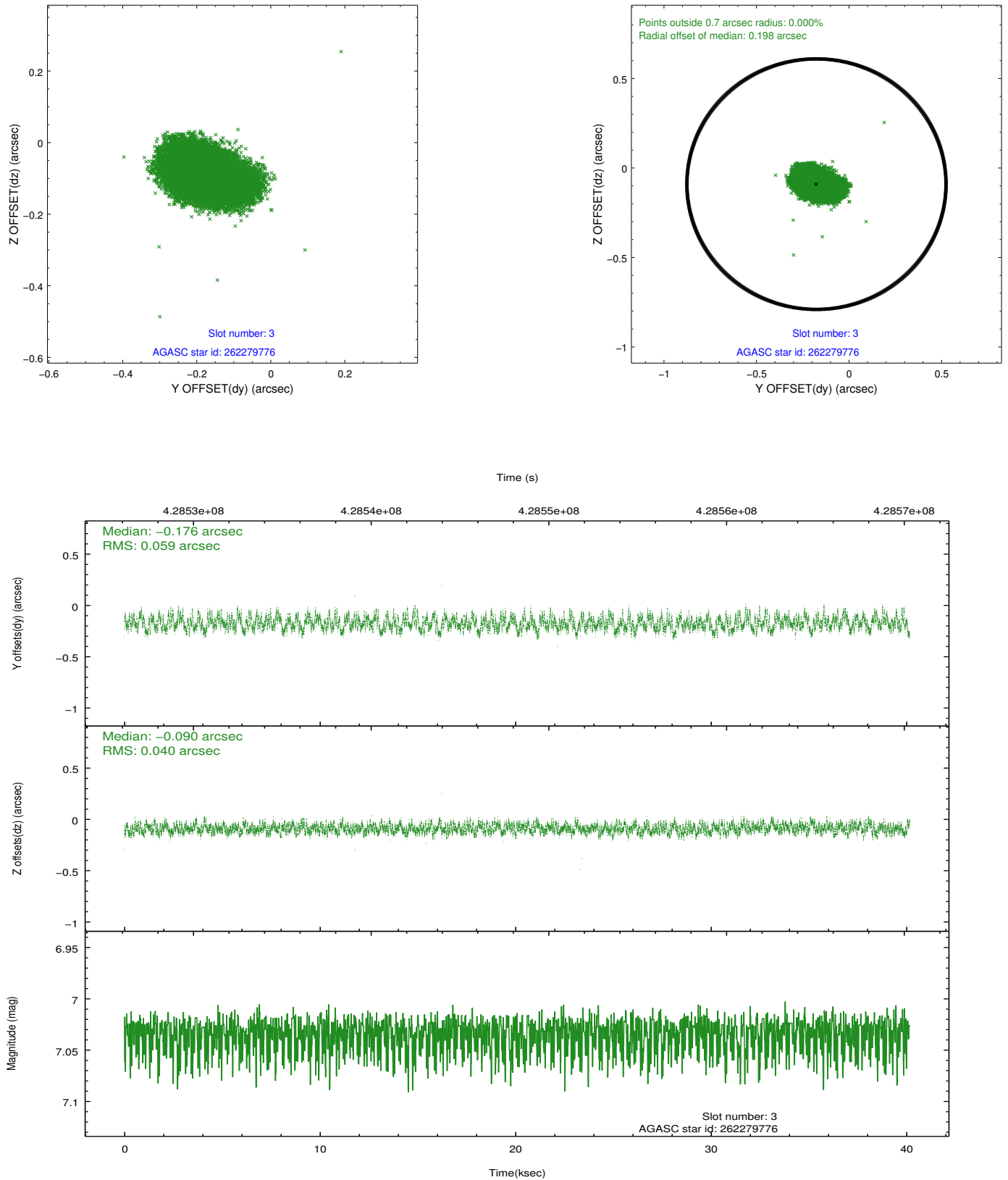


Slot Statistics

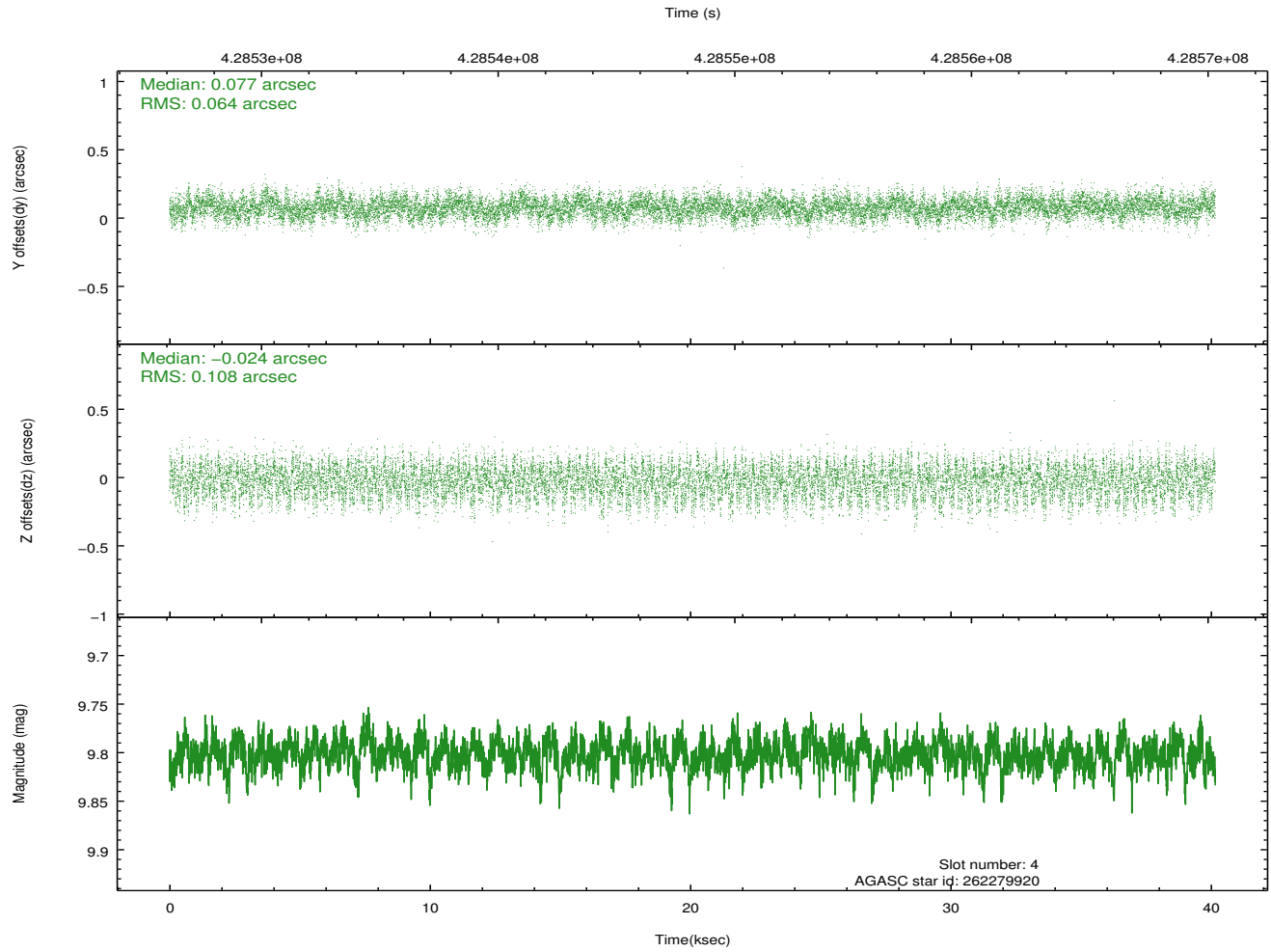
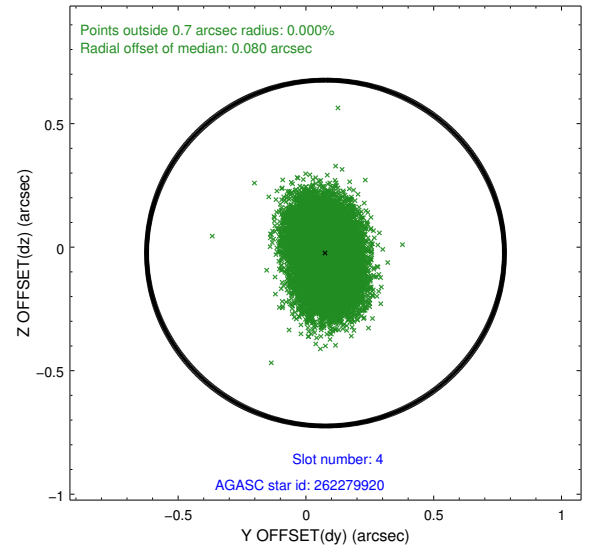
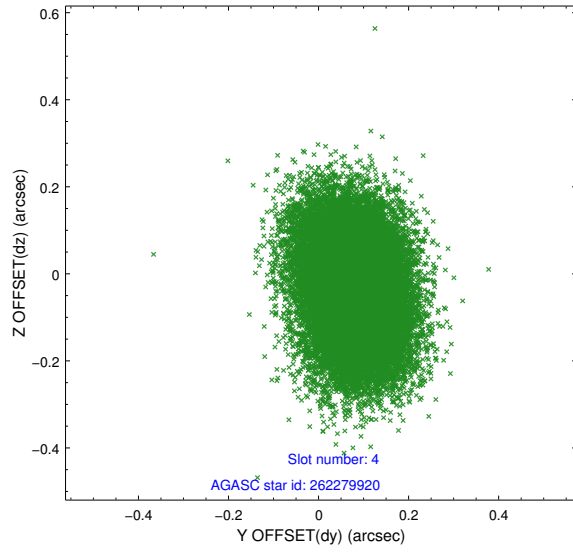
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.05	9796	0.114	-0.088	0.046	0.056	0.000000	0.000000	935.02	-1729.77
1	FID	ACIS-S-5	7.10	9797	-0.164	0.072	0.027	0.037	0.000000	0.000000	-1814.22	167.96
2	FID	ACIS-S-6	7.20	9795	0.027	0.014	0.053	0.079	0.000000	0.000000	400.51	811.87
3	GUIDE	262279776	7.03	19594	-0.176	-0.090	0.077	0.122	204.855748	26.684768	-803.62	-2018.28
4	GUIDE	262279920	9.80	19562	0.077	-0.024	0.134	0.218	204.811313	26.559225	-335.47	-2091.43
5	GUIDE	262282032	9.67	19567	0.132	0.110	0.103	0.166	205.258254	25.966371	1552.47	-339.17
6	GUIDE	262282320	7.77	19586	-0.209	0.037	0.084	0.131	205.002294	25.926617	1821.38	-1135.09
7	GUIDE	262284568	9.71	19515	0.176	-0.038	0.141	0.224	205.121740	25.849876	2035.65	-710.62

2.4 Star Slots

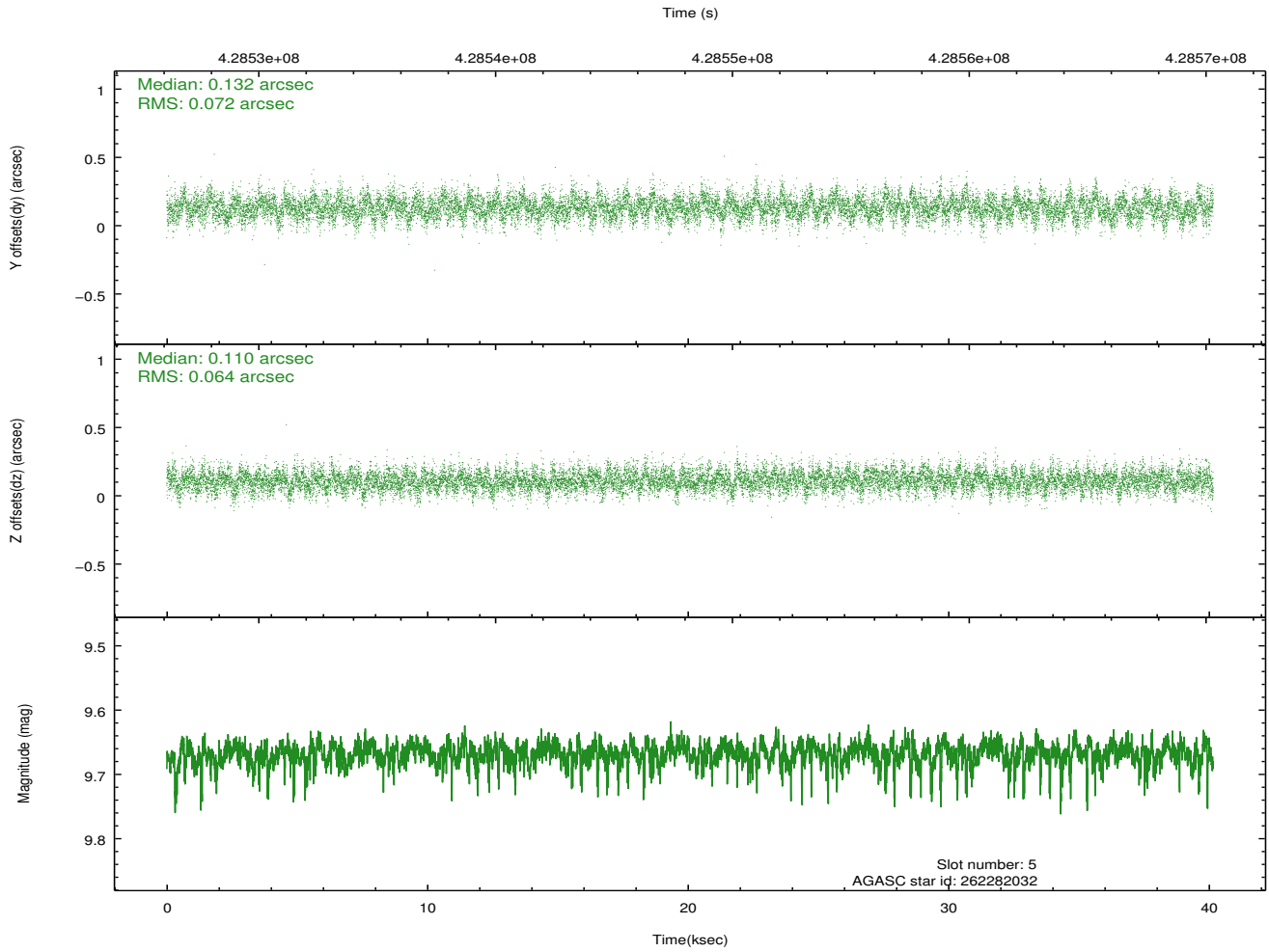
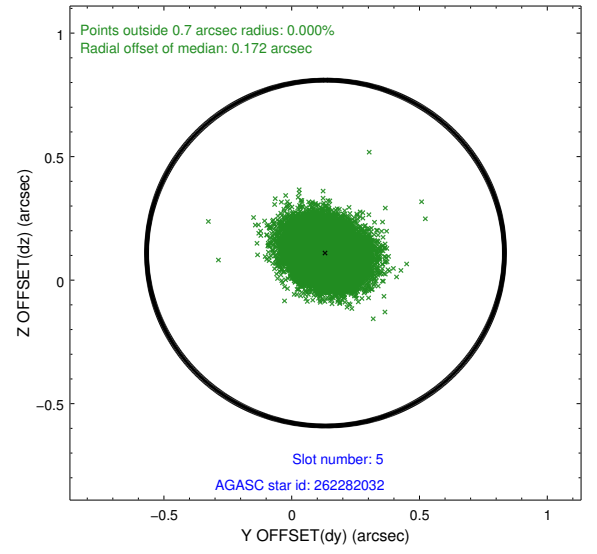
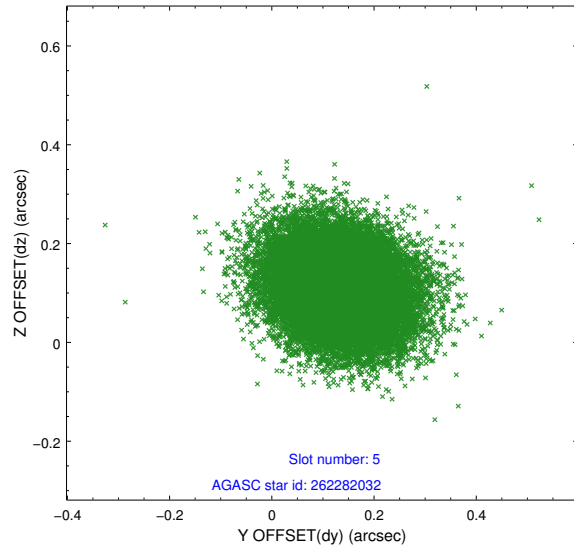
2.4.1 Slot 3



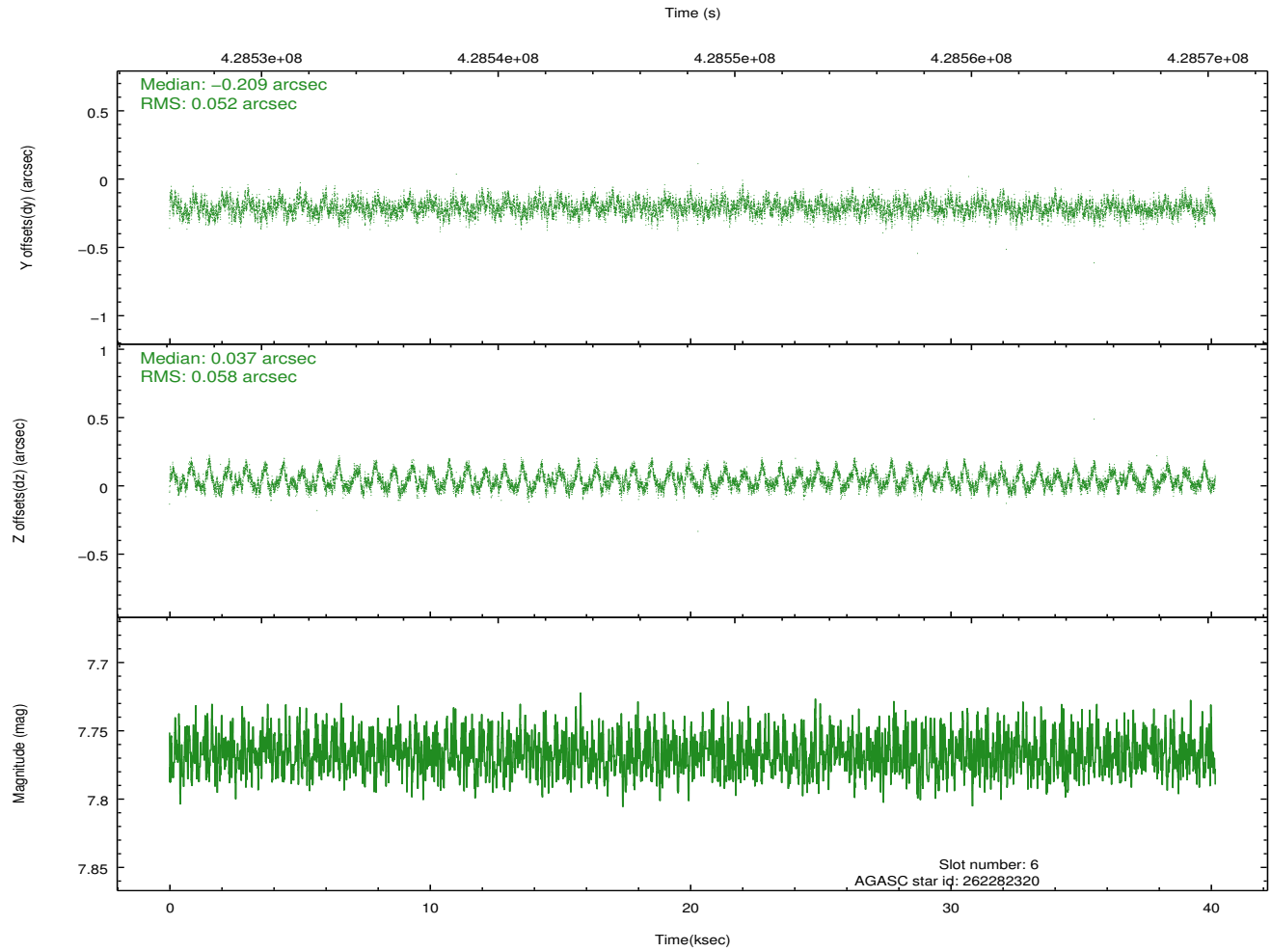
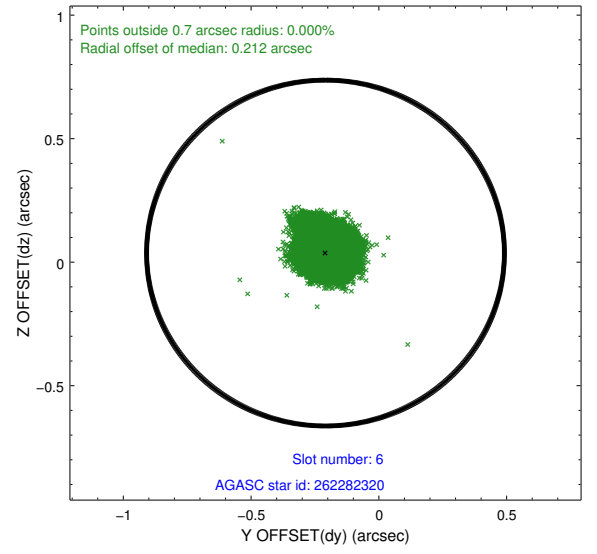
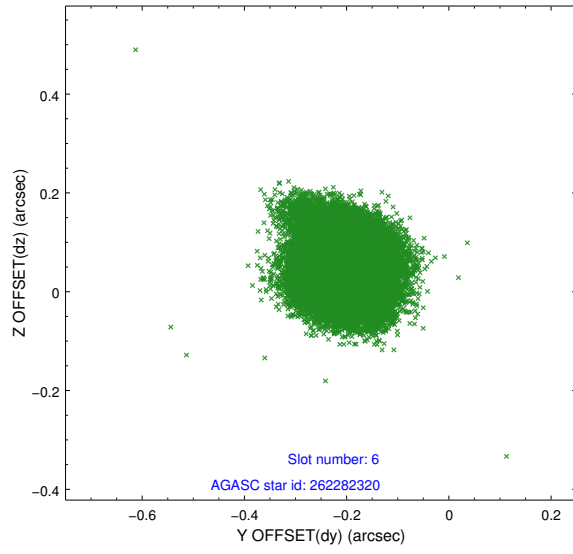
2.4.2 Slot 4



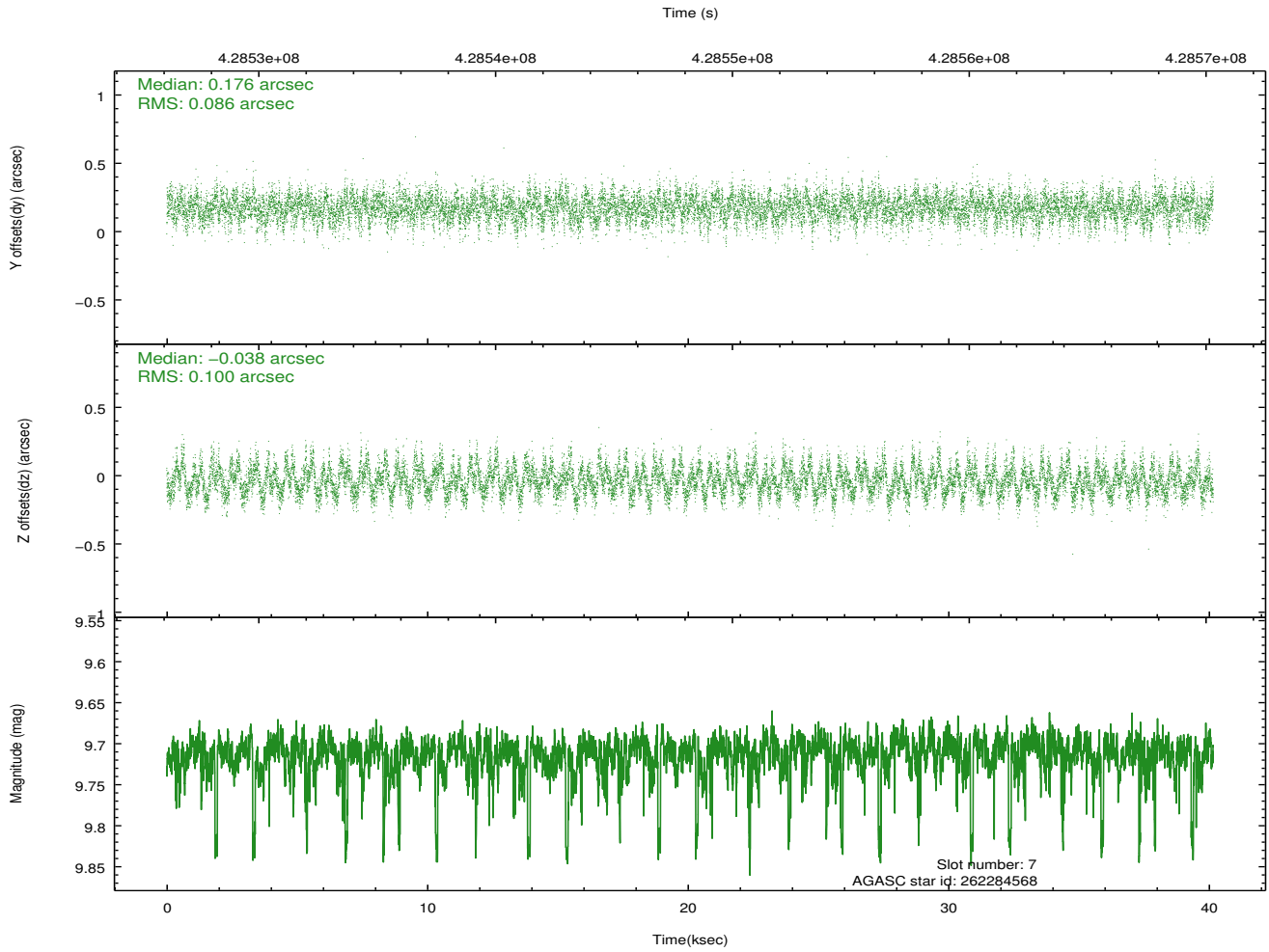
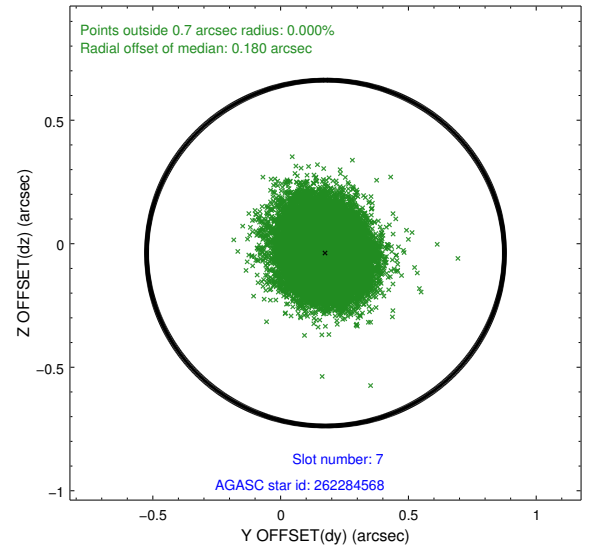
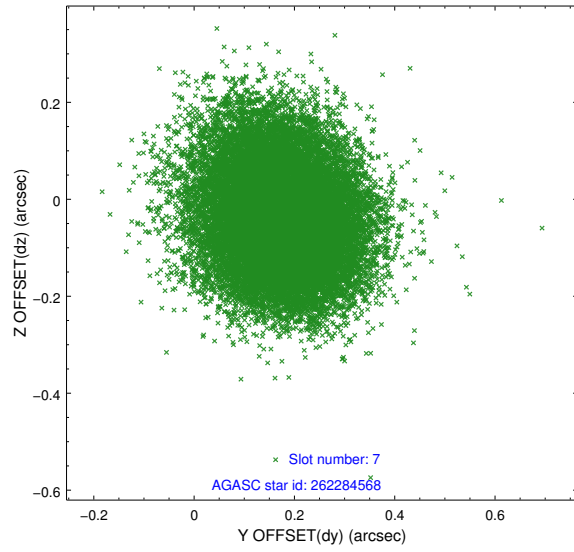
2.4.3 Slot 5



2.4.4 Slot 6

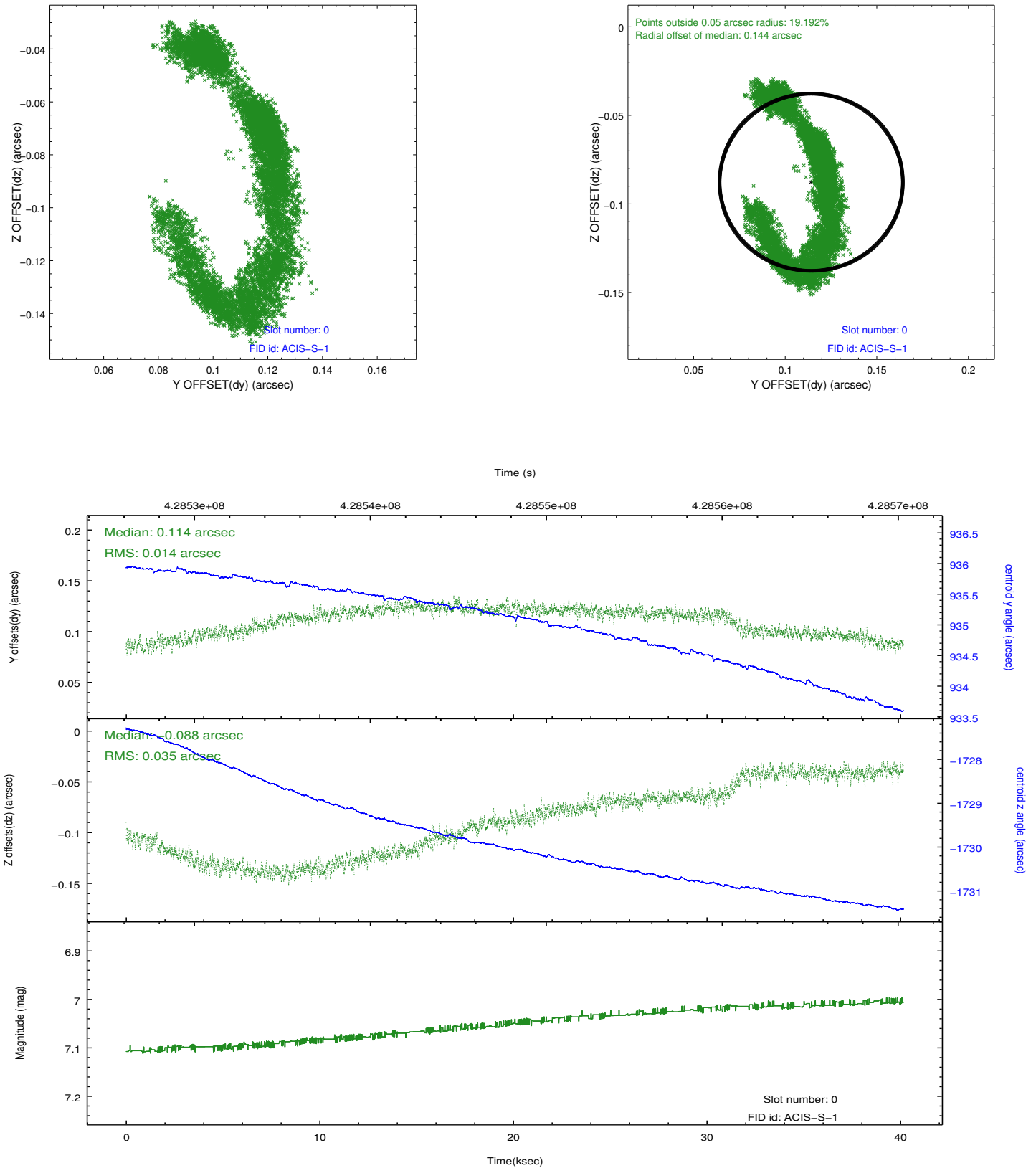


2.4.5 Slot 7

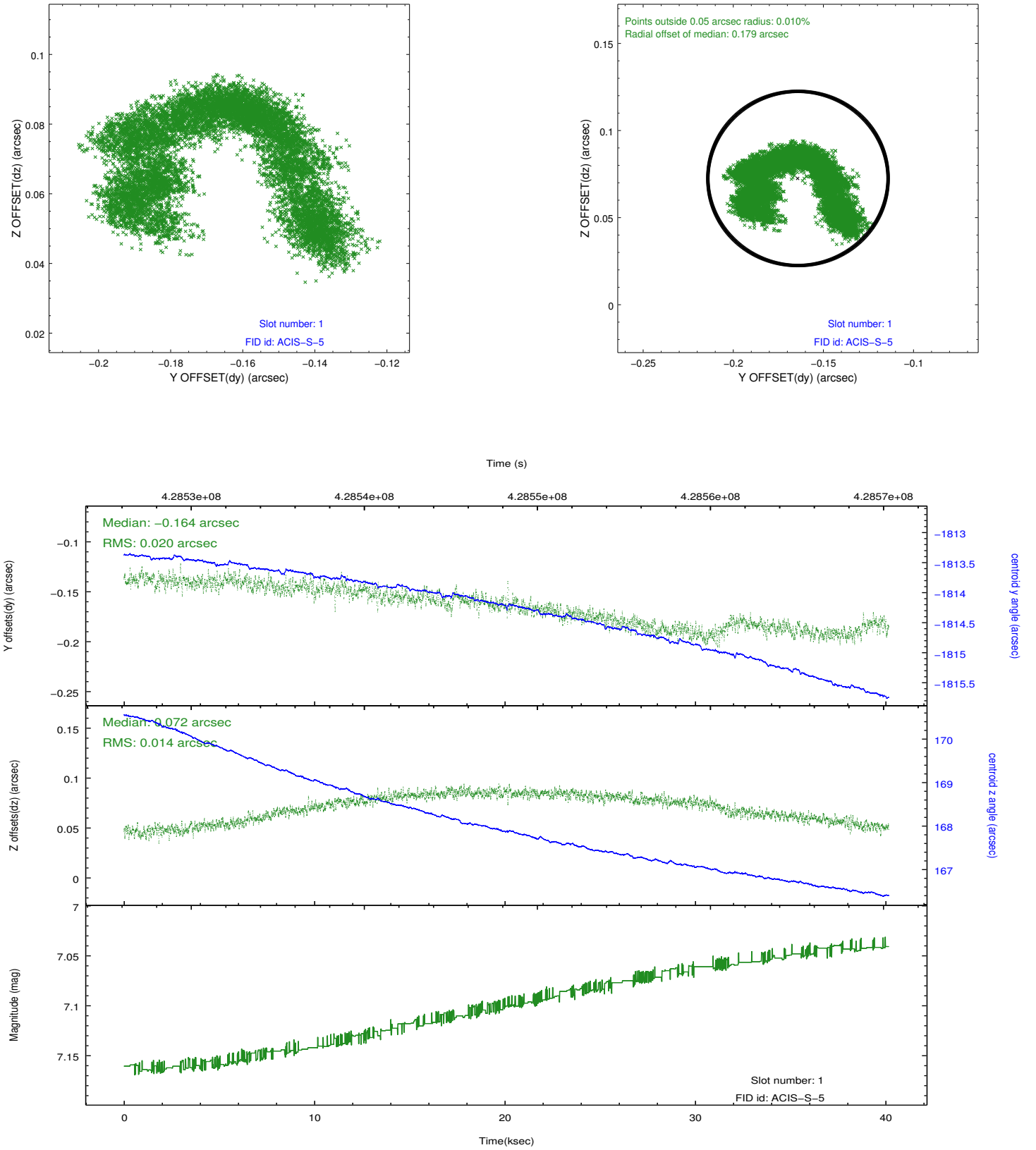


2.5 FID Slots

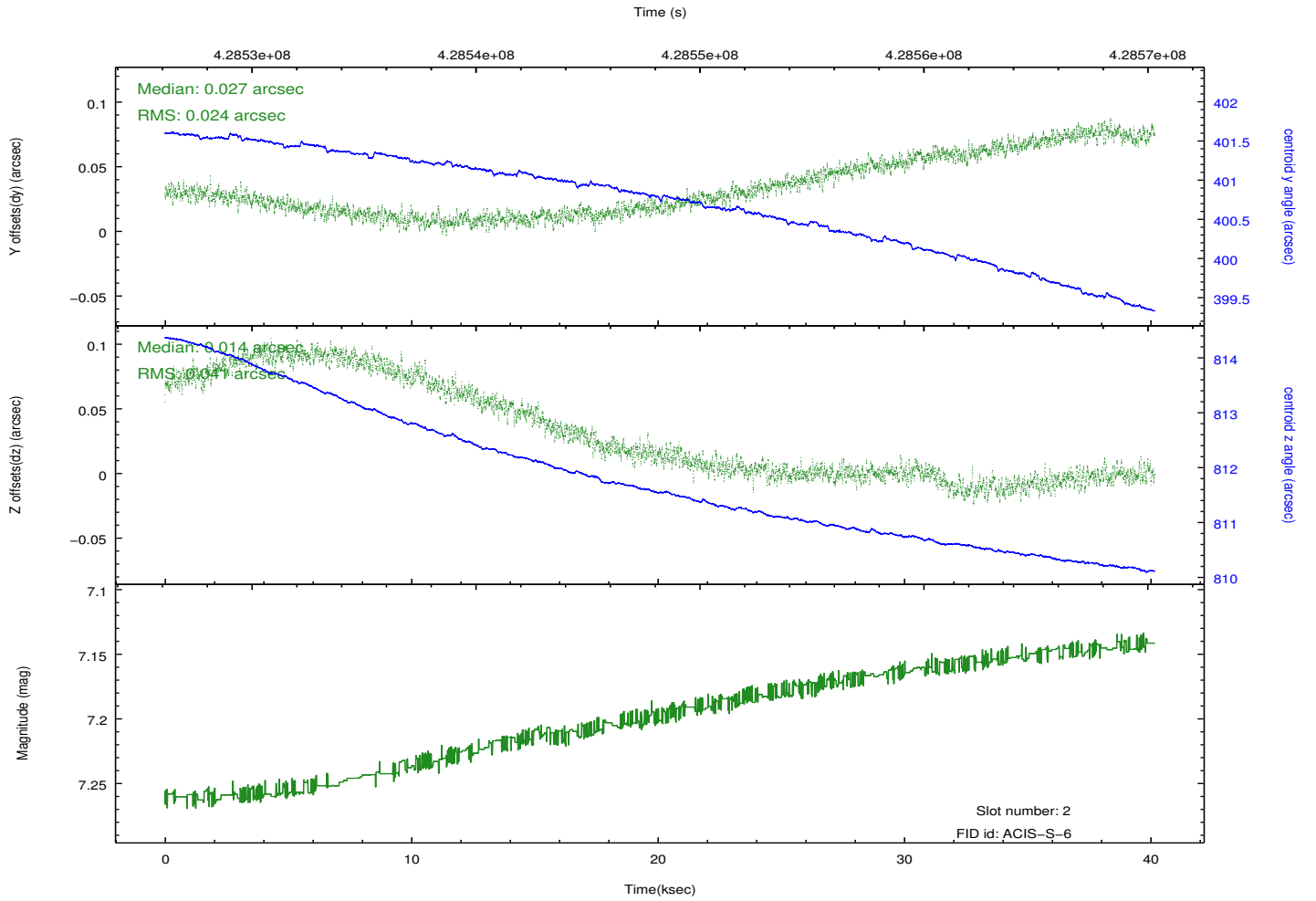
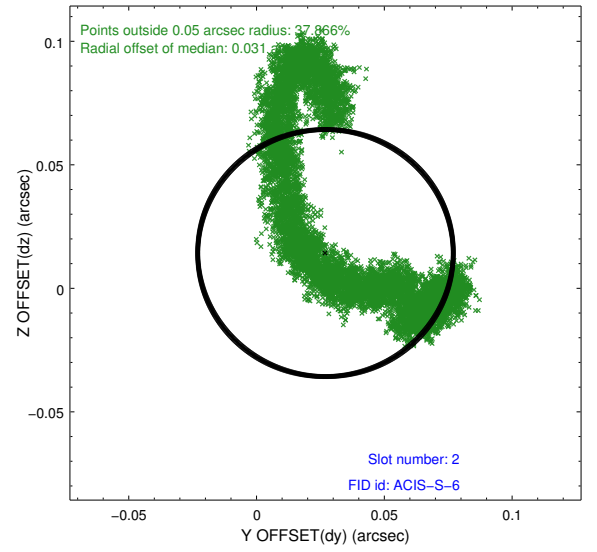
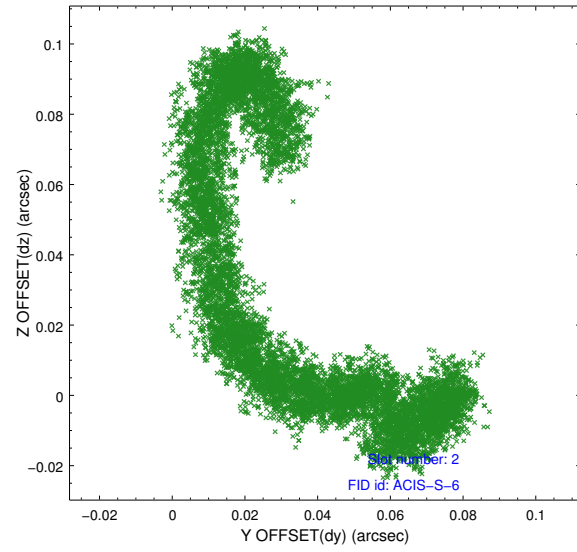
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.042700307965

A.2 Comments