

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10092 - L2 Version 2
Chandra X-Ray Center

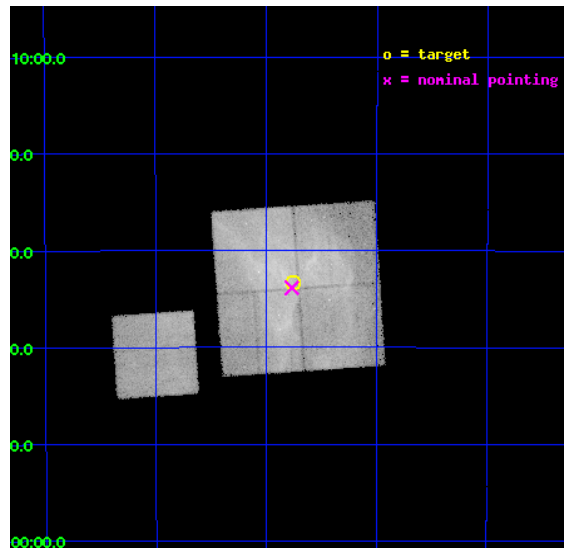
L2 Processing Date : Jun 13 2012

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1 Front

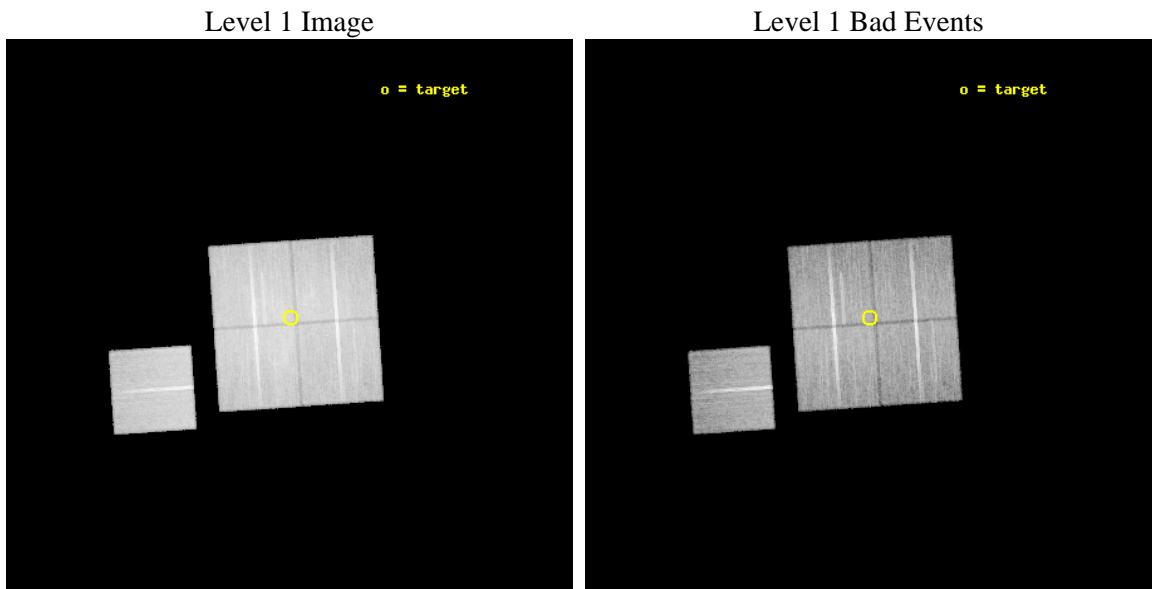
seq_num	501024	Sequence number
obs_id	10092	Observation id
title	Time Variability of Synchrotron X-ray Emission in SNR RX J1713.7-3946	Proposal title
observer	Dr Yasunobu Uchiyama	Principal investigator
object	RX J1713.7-3946 NW	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	257.939583	Observer's specified target RA [deg]
dec_targ	-39.556444	Observer's specified target Dec [deg]
ra_nom	257.94201677672	Nominal RA [deg]
dec_nom	-39.564325300237	Nominal Dec [deg]
roll_nom	266.11332372717	Nominal Roll [deg]
revision	2	Processing version of data
ontime	29592.518247128	Sum of GTIs [s]
livetime	29205.870210534	Livetime [s]
ontime0	29592.5182271	Sum of GTIs [s]
ontime1	29598.800227642	Sum of GTIs [s]
ontime2	29589.377286732	Sum of GTIs [s]
ontime3	29592.518247128	Sum of GTIs [s]
ontime6	29592.518316567	Sum of GTIs [s]
l2events	301180	Number of level 2 events



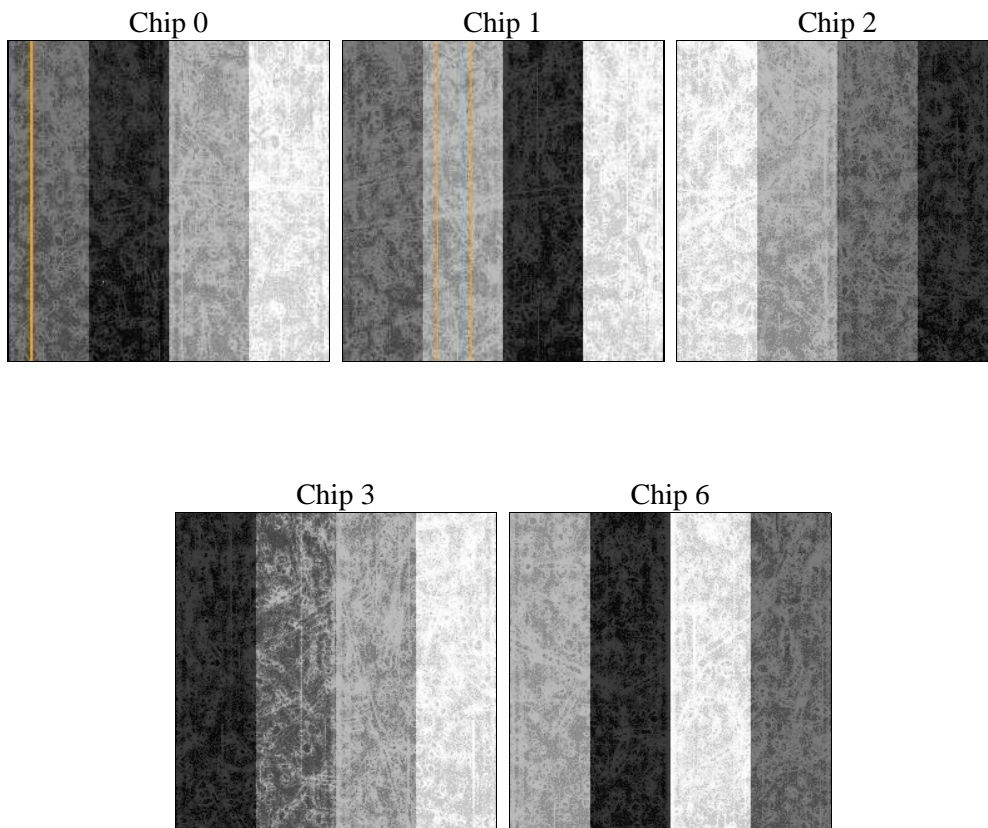
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	29450.079000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	29592.518247128	Sum of GTIs [s]
caldbver	4.4.10	 	ontime0	29592.5182271	Sum of GTIs [s]
date	2012-06-13T04:41:47	Date and time of file creation	ontime1	29598.800227642	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	29589.377286732	Sum of GTIs [s]
			ontime3	29592.518247128	Sum of GTIs [s]
			ontime6	29592.518316567	Sum of GTIs [s]
			l1events	1424420	Number of level 1 events

2.1.4 Events

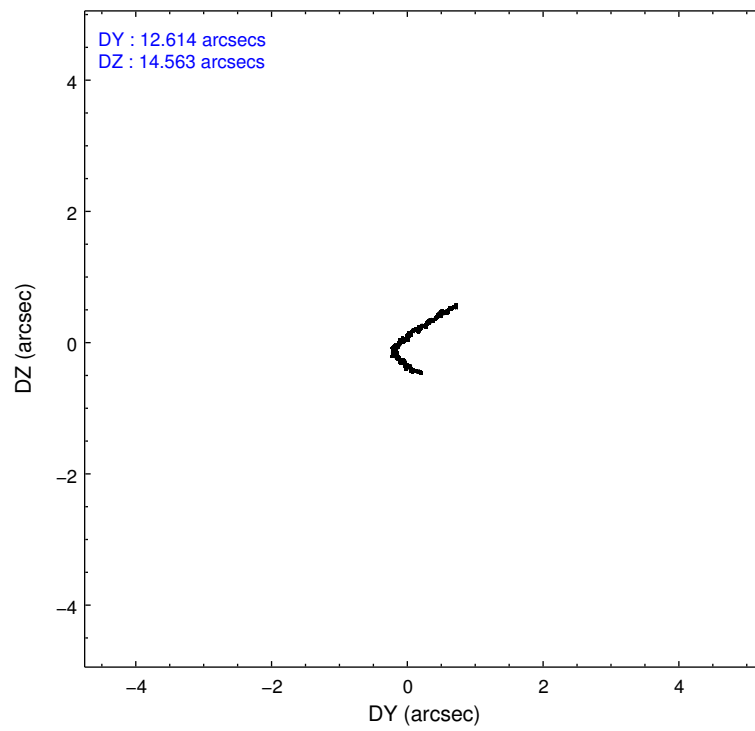
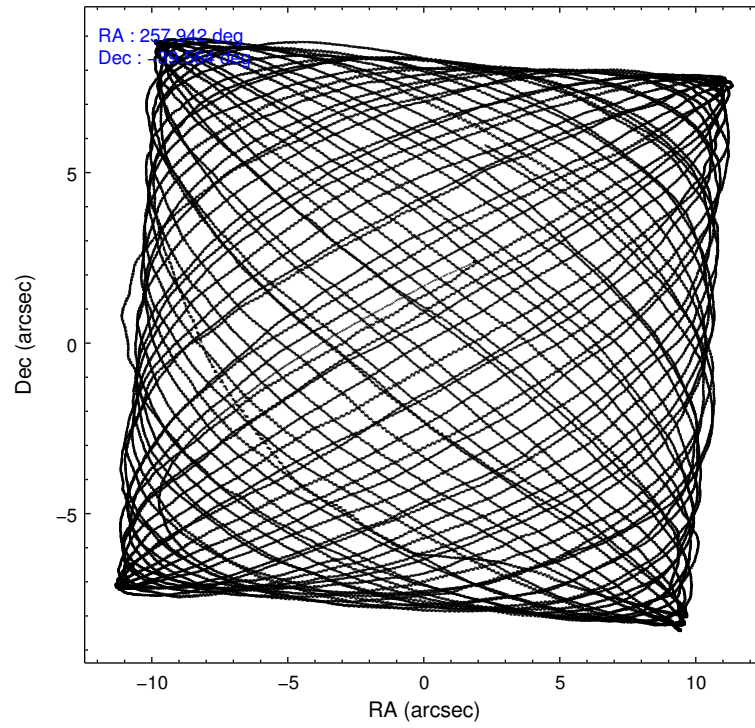
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	261522	273209	308625	311633	269431
rejected events	205468	205022	240331	218687	220935
rejected %	78%	75%	77%	70%	82%

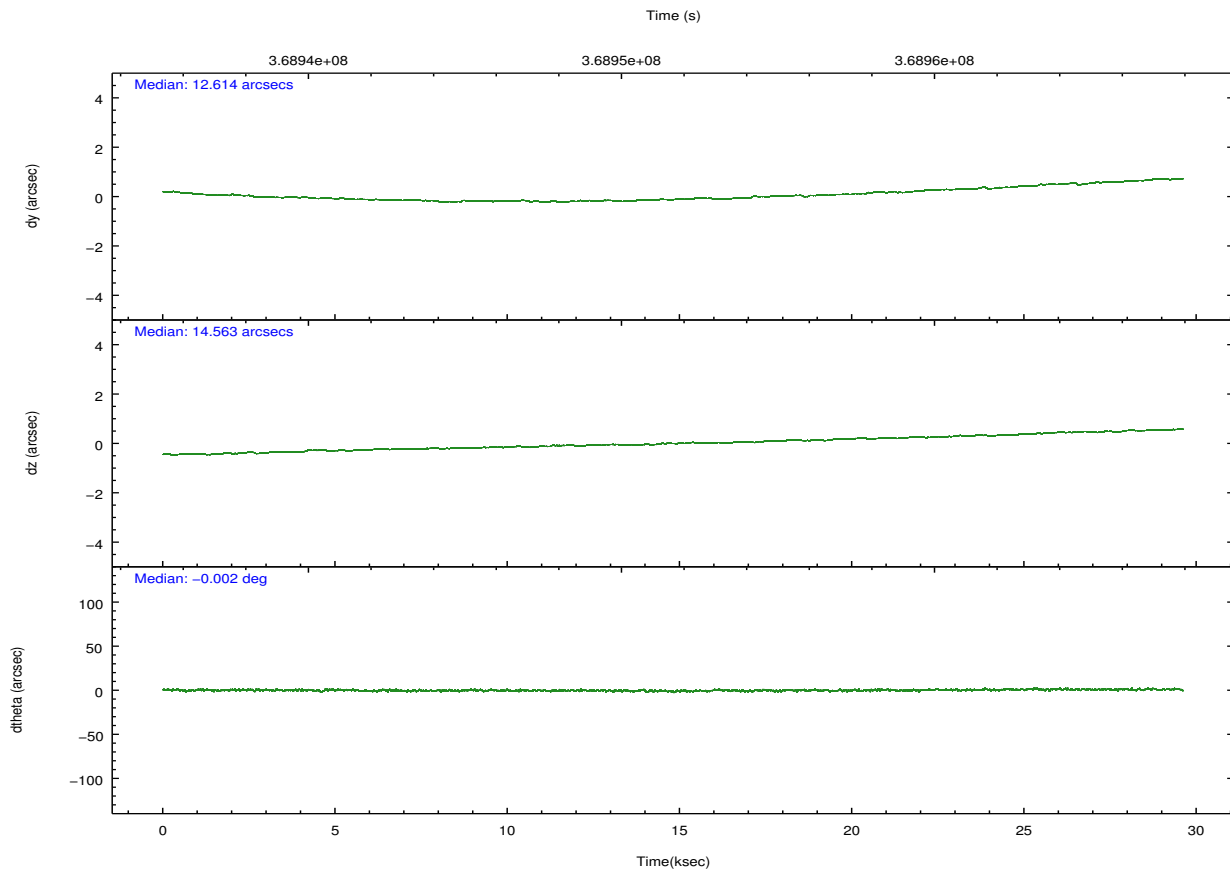
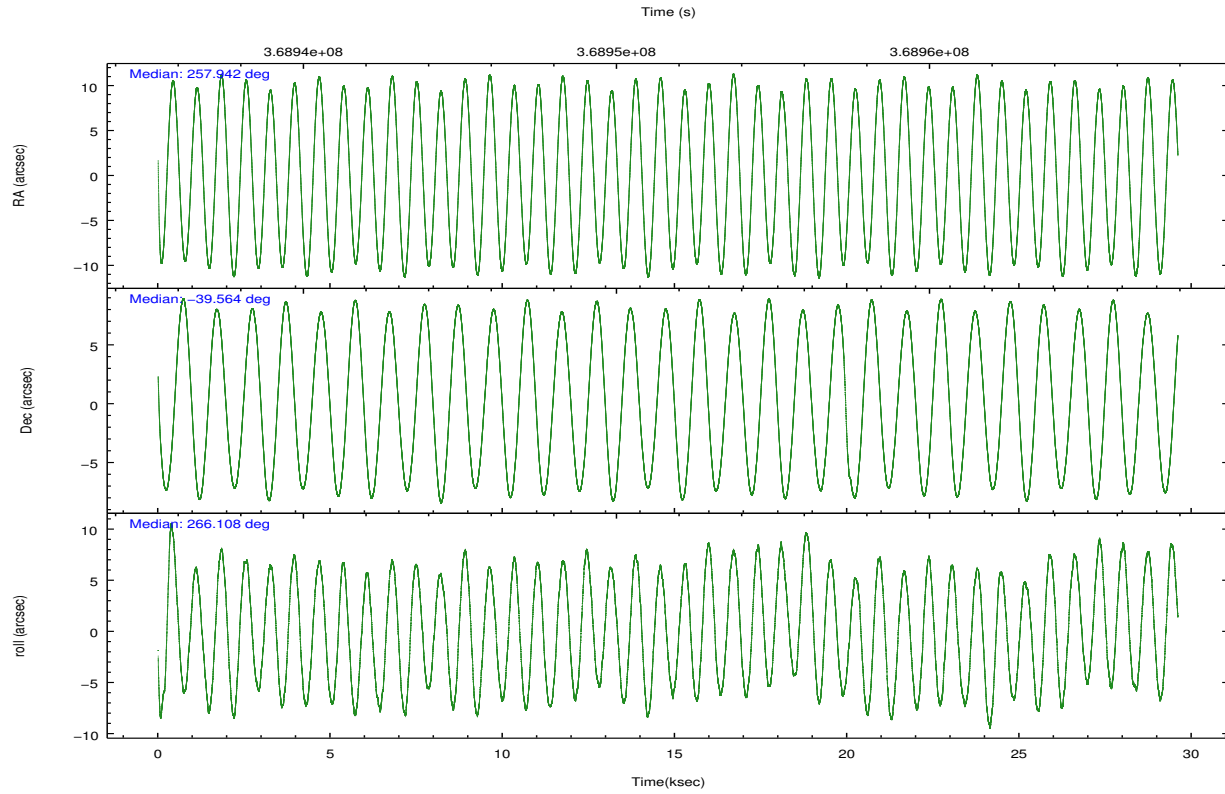
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	33747	42598	44312	64311	28115
	12%	15%	14%	20%	10%
grade 1 events	284	290	389	550	242
	0%	0%	0%	0%	0%
grade 2 events	9635	10826	10643	12742	8138
	3%	3%	3%	4%	3%
grade 3 events	3759	4353	3993	4994	3433
	1%	1%	1%	1%	1%
grade 4 events	3635	4244	4032	4900	3369
	1%	1%	1%	1%	1%
grade 5 events	7642	8475	7193	8980	8385
	2%	3%	2%	2%	3%
grade 6 events	5446	6367	5529	6298	5583
	2%	2%	1%	2%	2%
grade 7 events	197374	196056	232534	208858	212166
	75%	71%	75%	67%	78%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	257.926196	257.9420167767196	Subarray requested	NONE	NONE
[deg] Pointing Dec	-39.539660	-39.56432530023711	Alternating exposures requested	N	N
[deg] Pointing Roll	265.894558	266.1133237271737	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	368936999.184000	368935974.92023			
Observation start date	2009-09-10T02:28:53	2009-09-10T02:12:54			
[s] Observation end time (MET)	368966450.184000	368966672.64677			
Observation end date	2009-09-10T10:39:44	2009-09-10T10:44:32			
Read mode	TIMED	TIMED			

2.3 Aspect



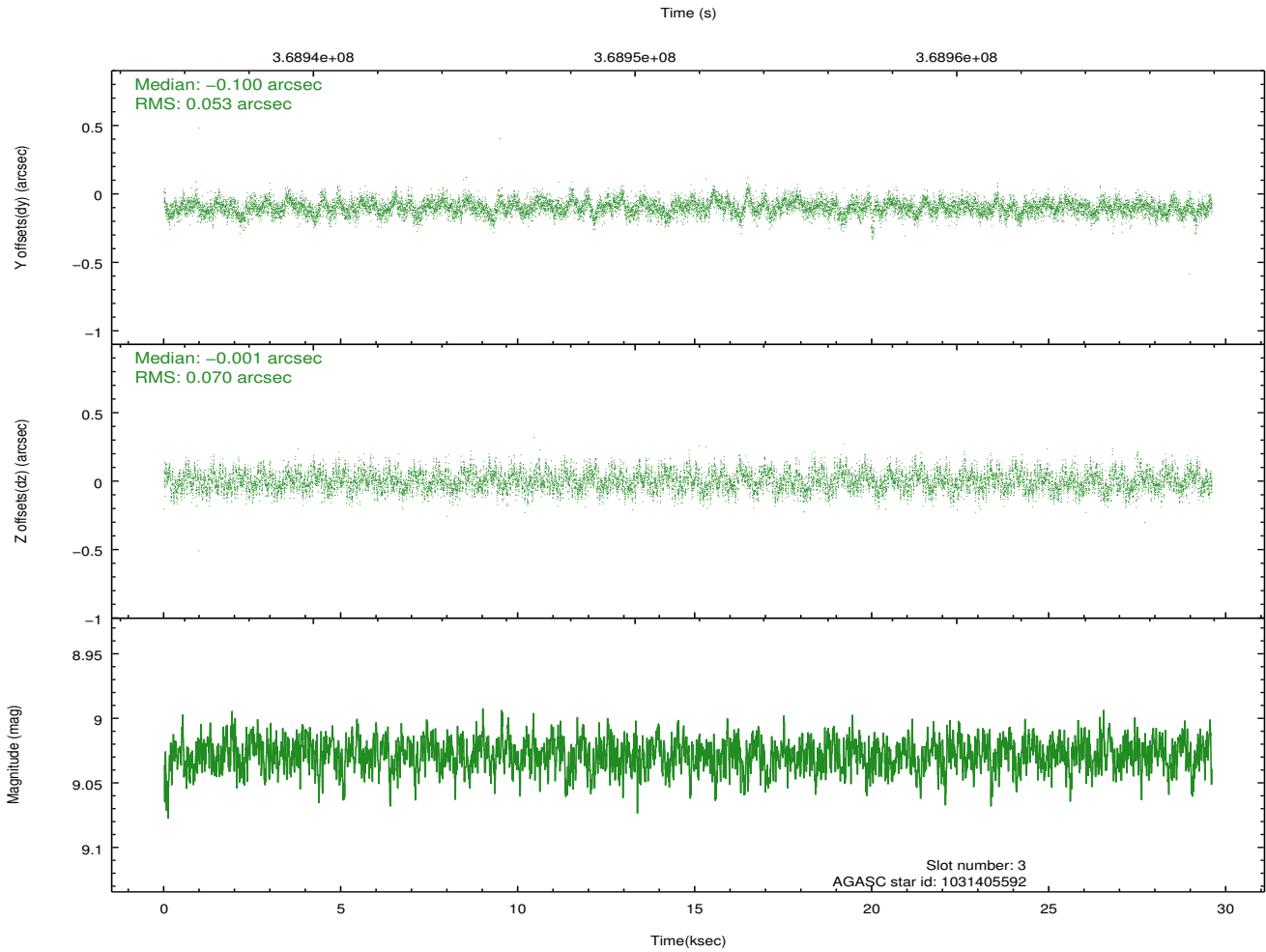
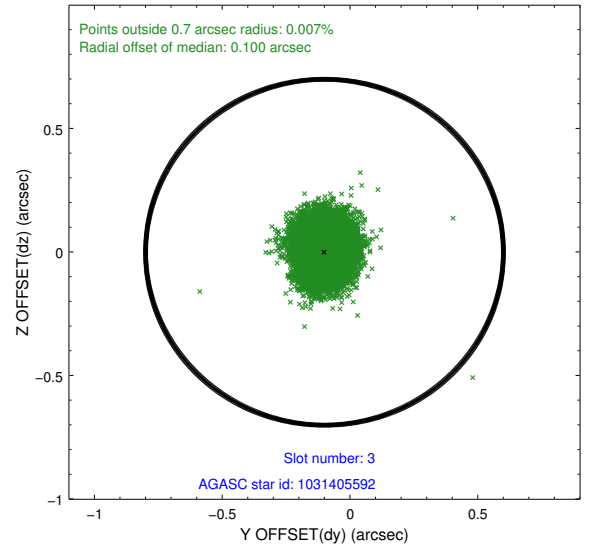
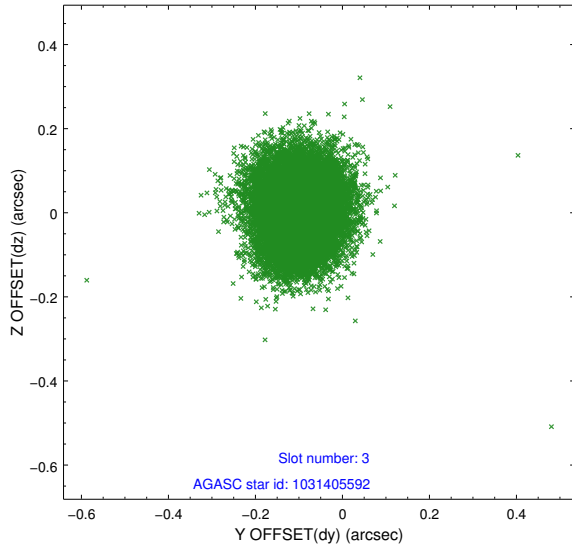


Slot Statistics

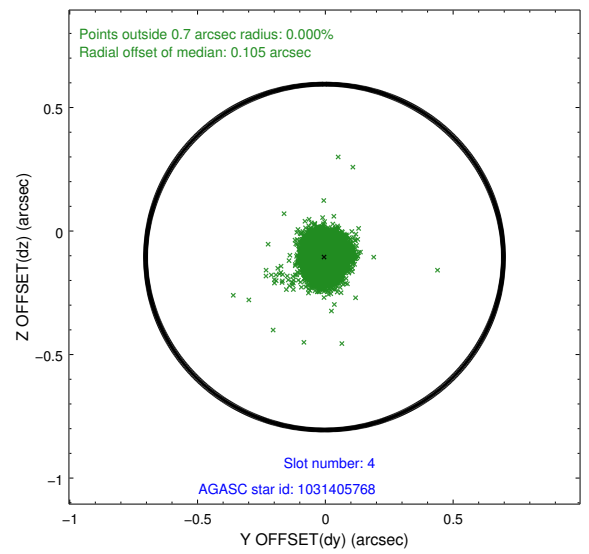
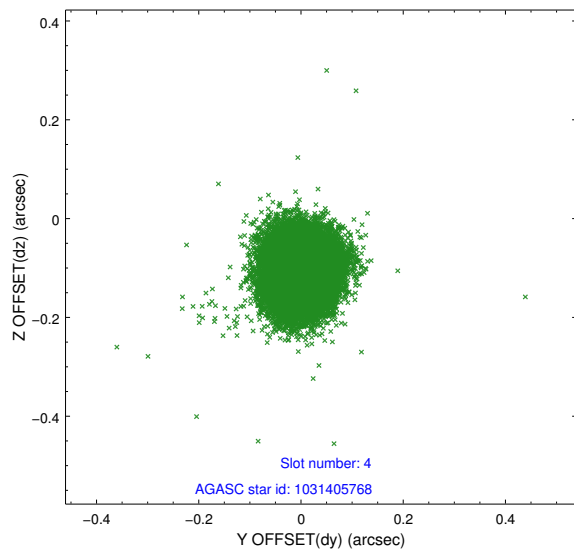
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	7221	-0.012	0.065	0.013	0.025	0.000000	0.000000	926.82	-838.10
1	FID	ACIS-I-2	6.96	7221	-0.099	-0.072	0.010	0.018	0.000000	0.000000	-767.31	-844.73
2	FID	ACIS-I-6	7.05	7218	0.021	0.073	0.013	0.029	0.000000	0.000000	392.44	1703.68
3	GUIDE	1031405592	9.03	14434	-0.100	-0.001	0.093	0.150	257.192117	-38.883164	-2201.29	-2220.53
4	GUIDE	1031405768	7.88	14433	-0.003	-0.105	0.062	0.099	257.178877	-39.338023	-565.87	-2126.94
5	GUIDE	1031546704	9.15	14421	-0.096	0.107	0.091	0.161	258.328569	-39.071177	-1759.80	1001.15
6	GUIDE	1031932008	8.84	14285	0.169	-0.073	0.106	0.197	257.163205	-39.994917	1794.99	-1980.57
7	GUIDE	1032064992	9.73	14407	0.023	0.070	0.186	0.281	258.632257	-39.931078	1274.01	2045.84

2.4 Star Slots

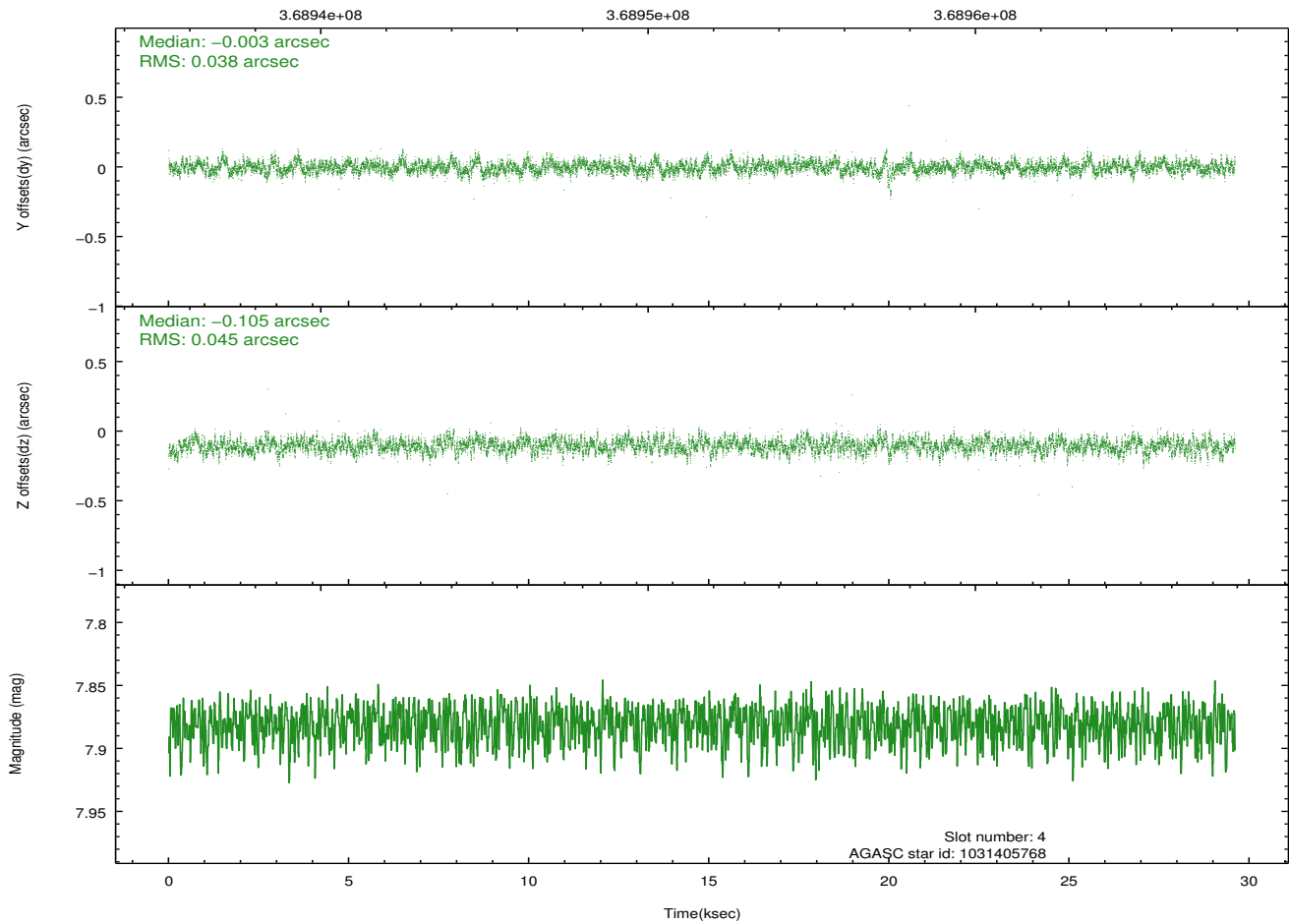
2.4.1 Slot 3



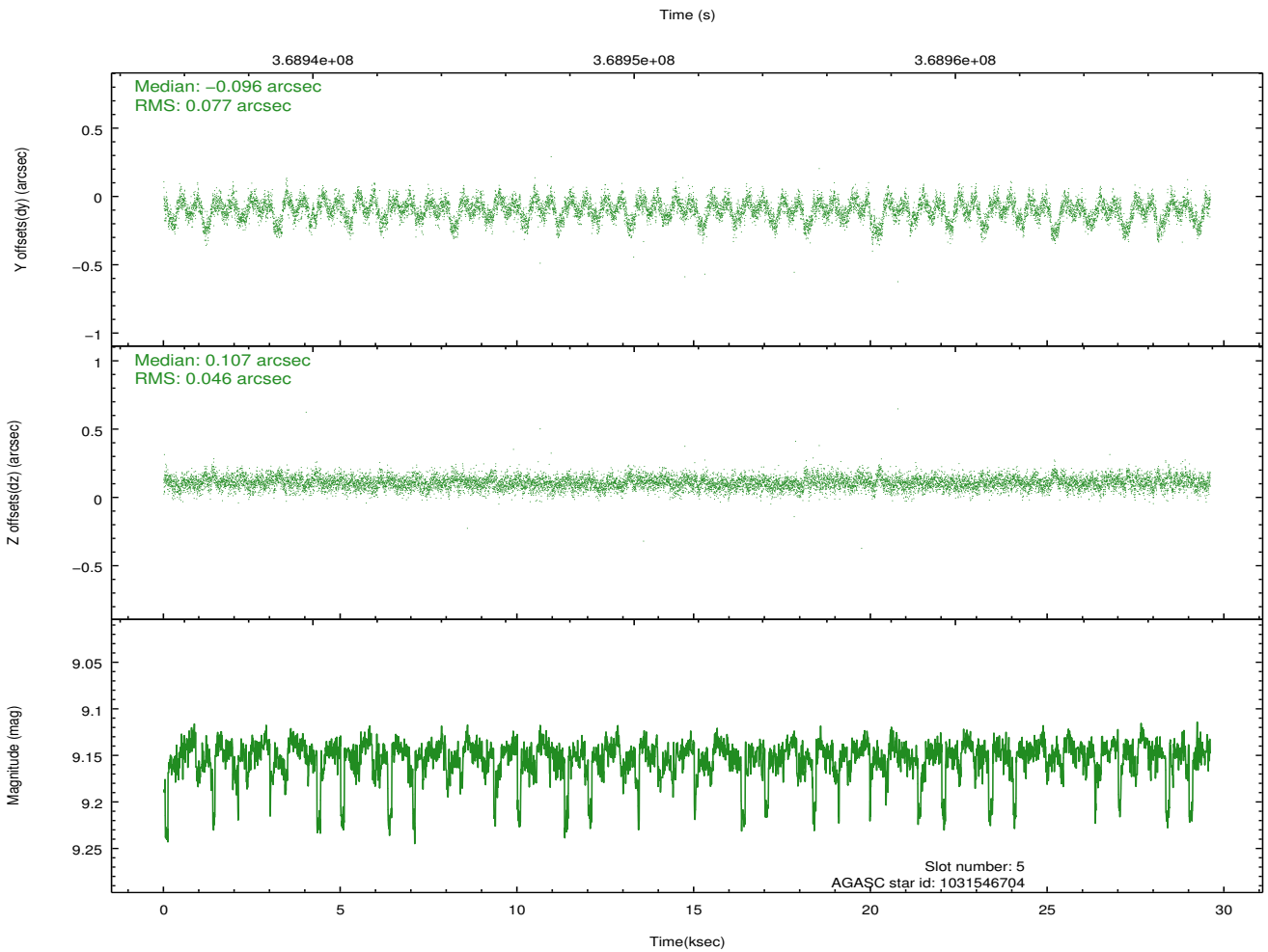
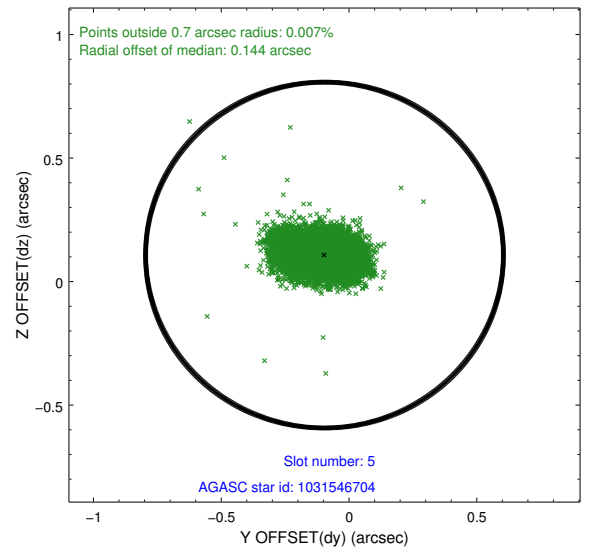
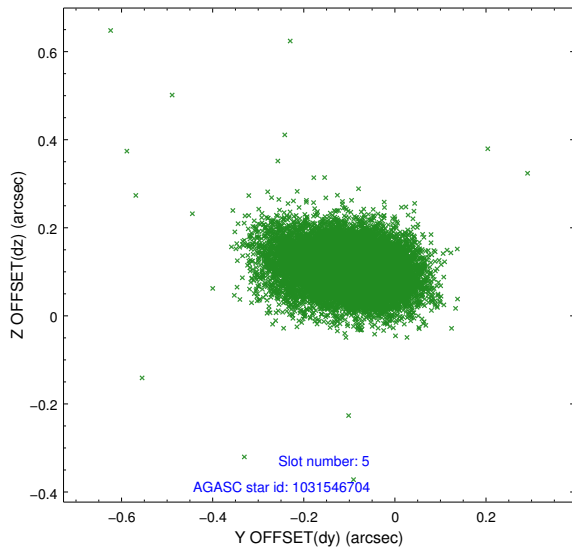
2.4.2 Slot 4



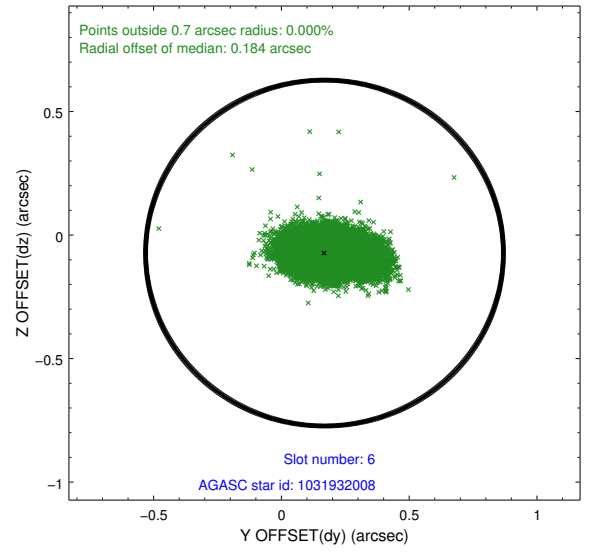
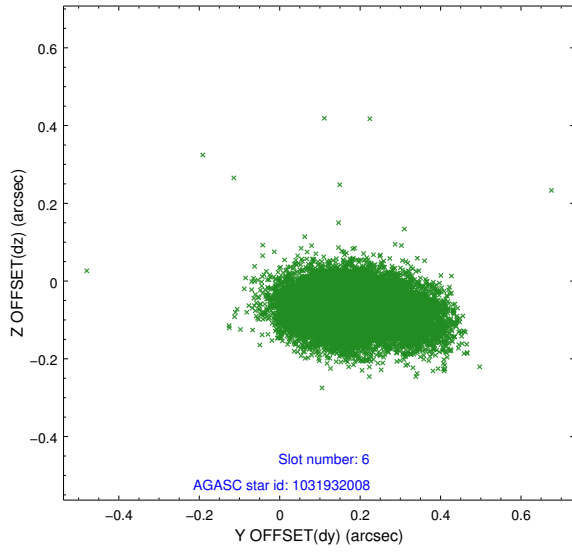
Time (s)



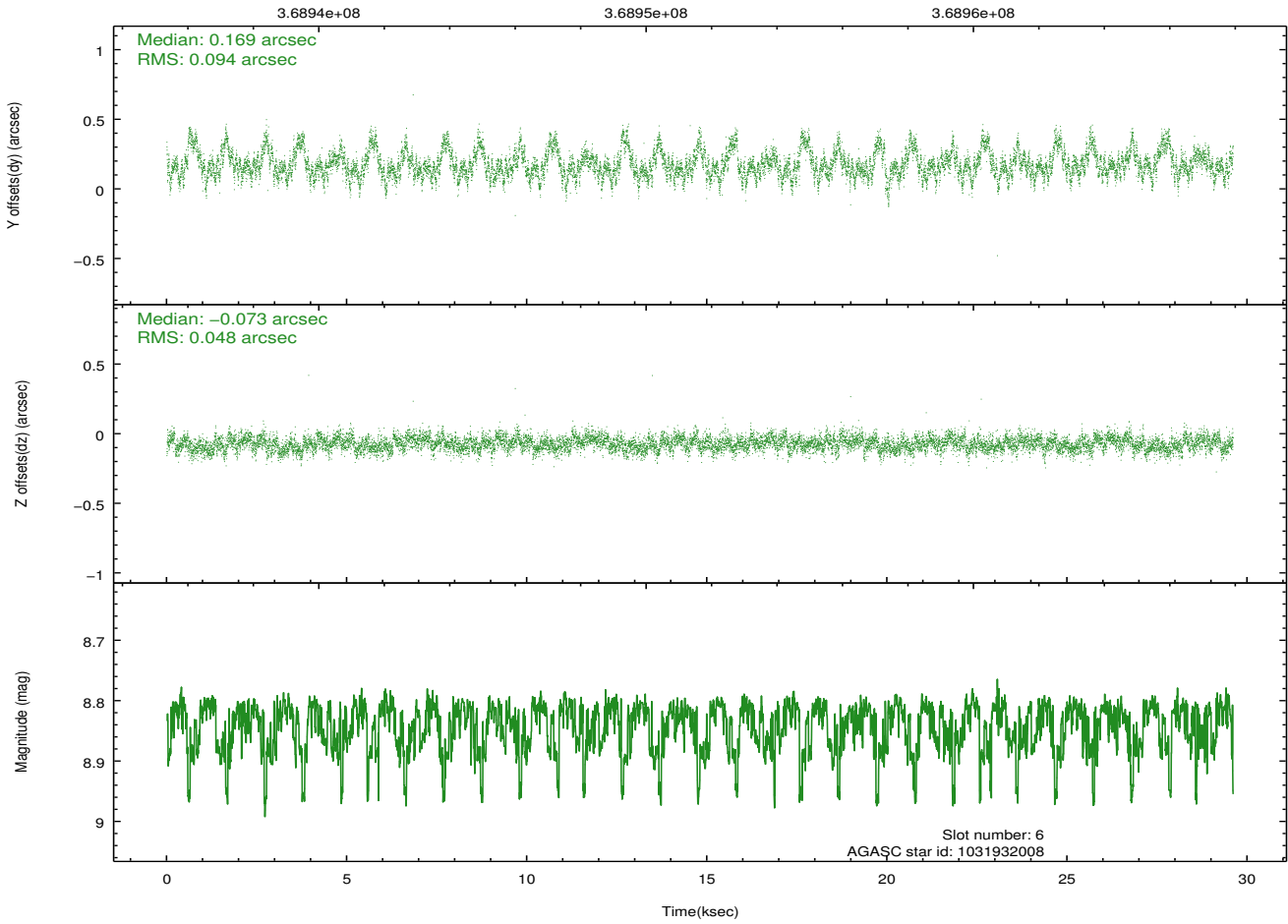
2.4.3 Slot 5



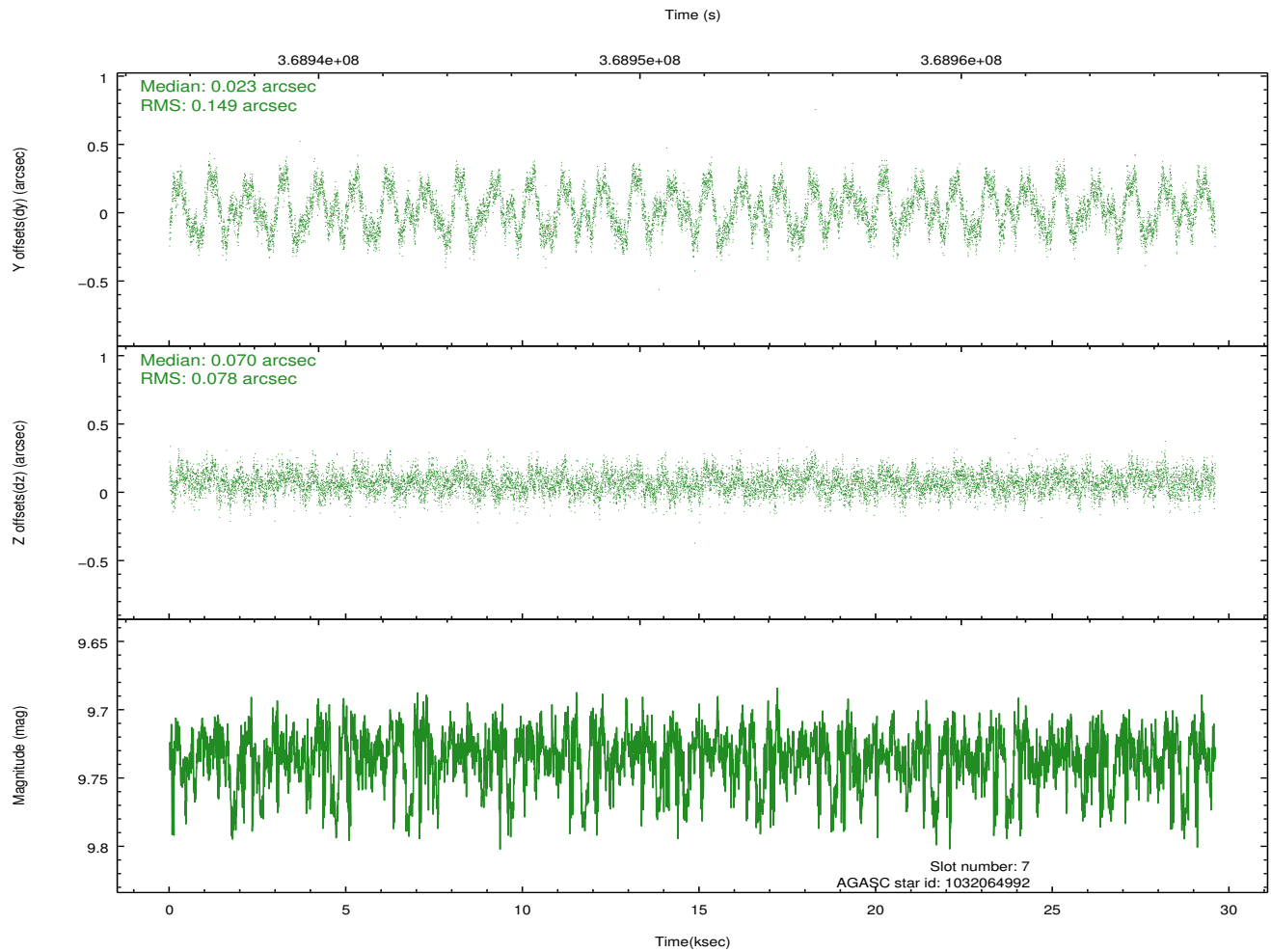
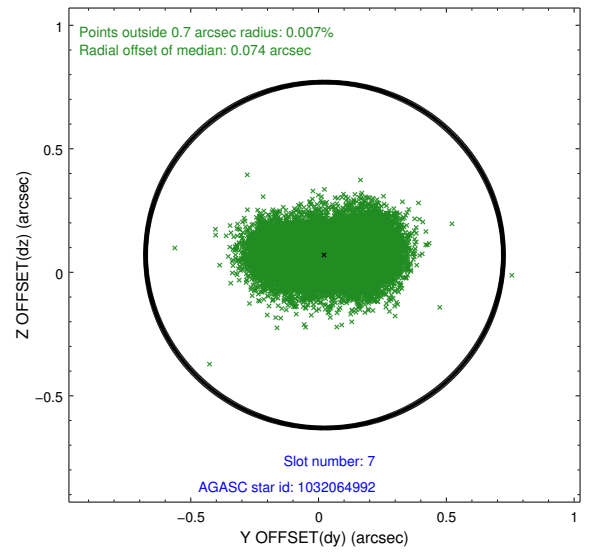
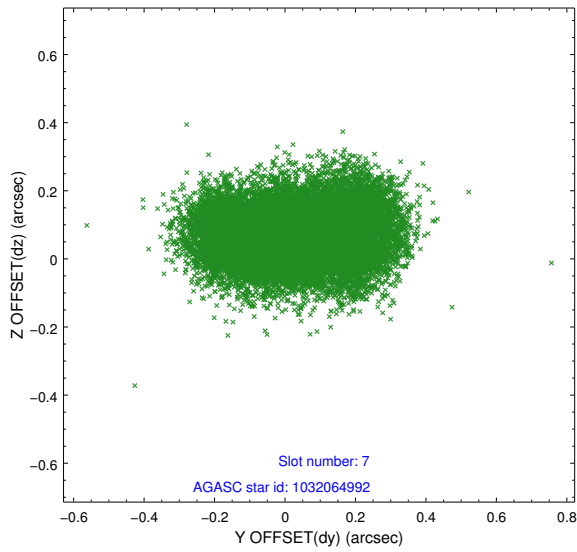
2.4.4 Slot 6



Time (s)

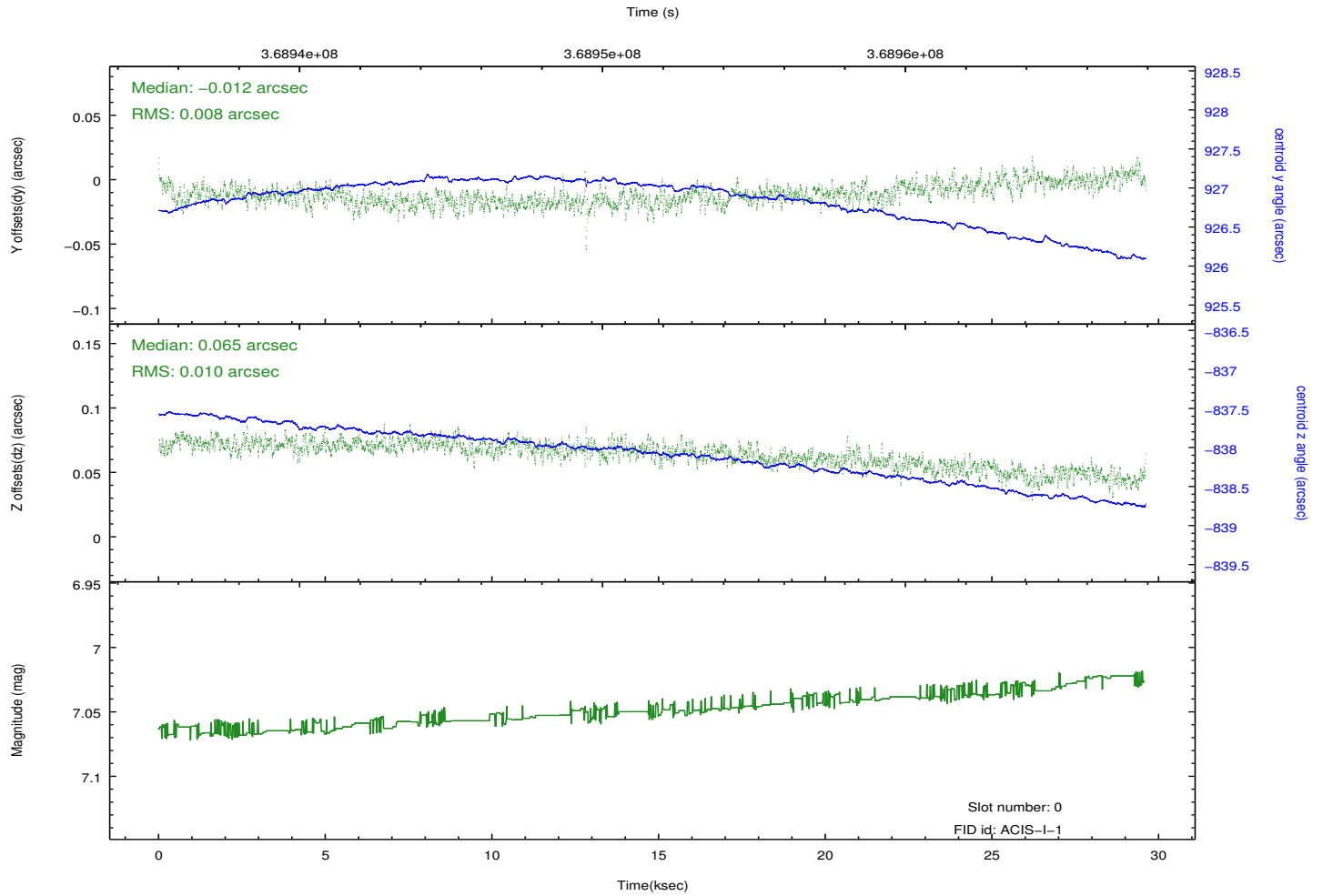
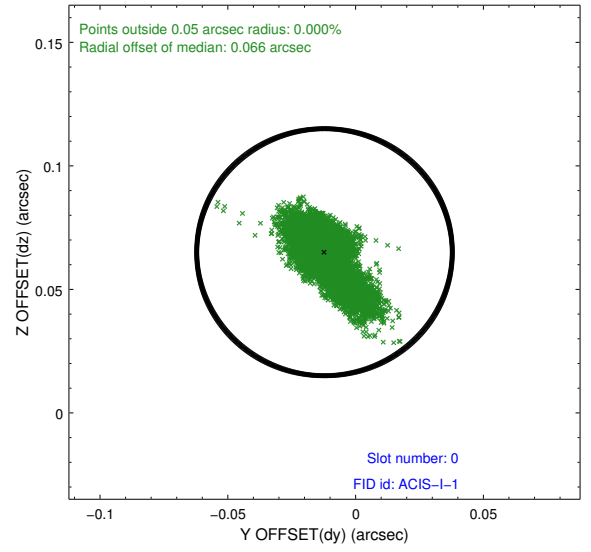
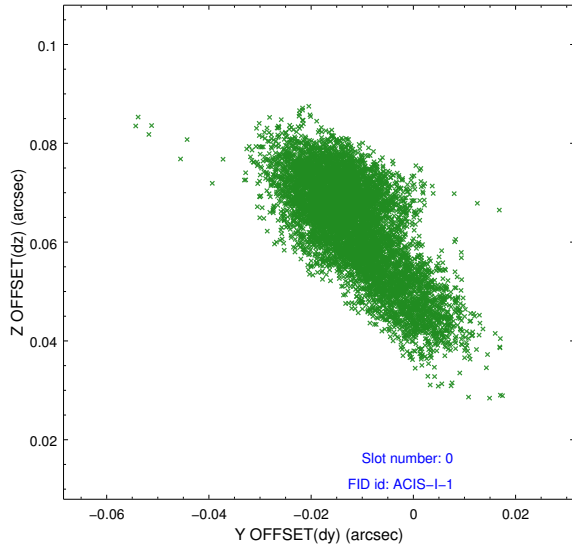


2.4.5 Slot 7

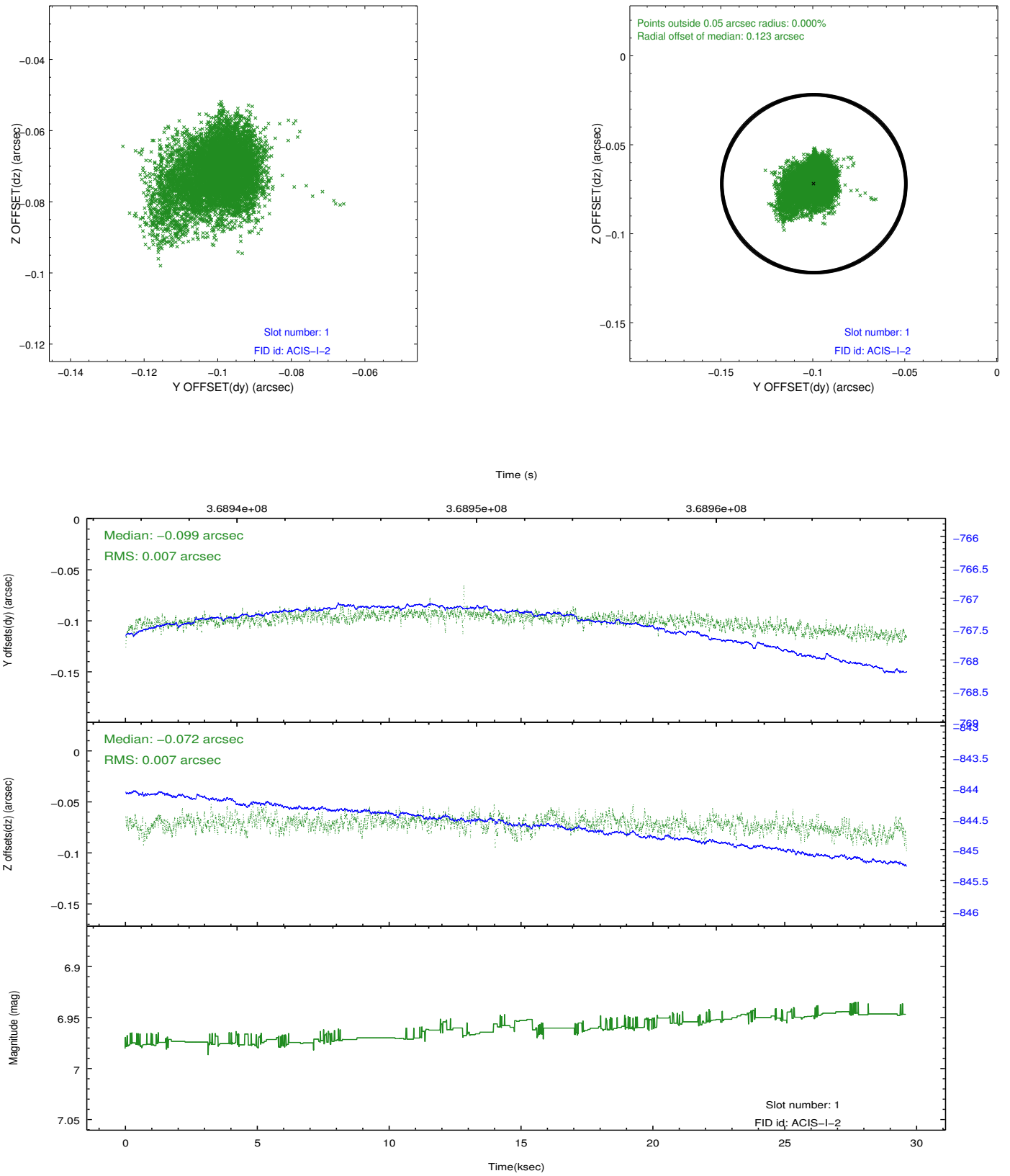


2.5 FID Slots

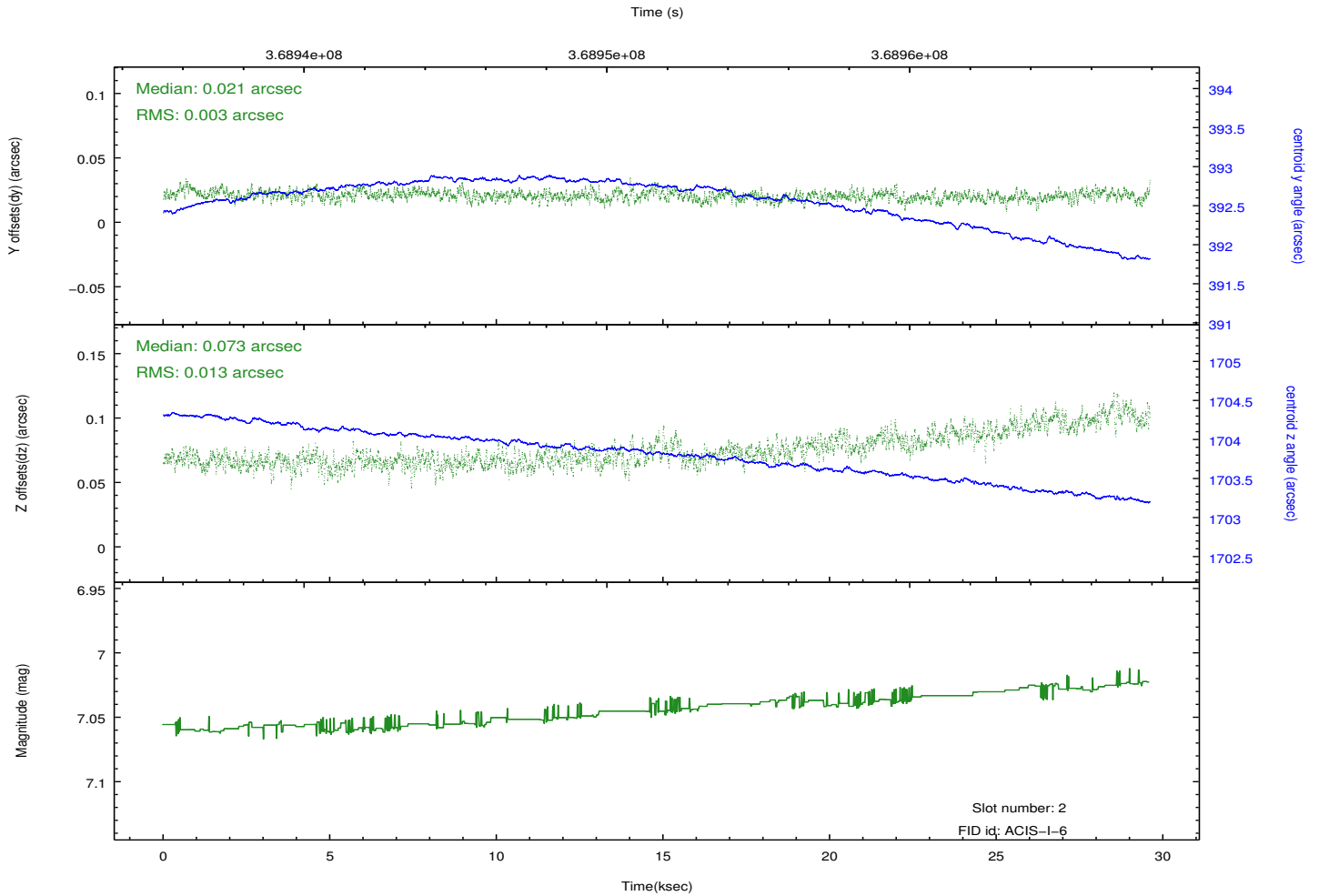
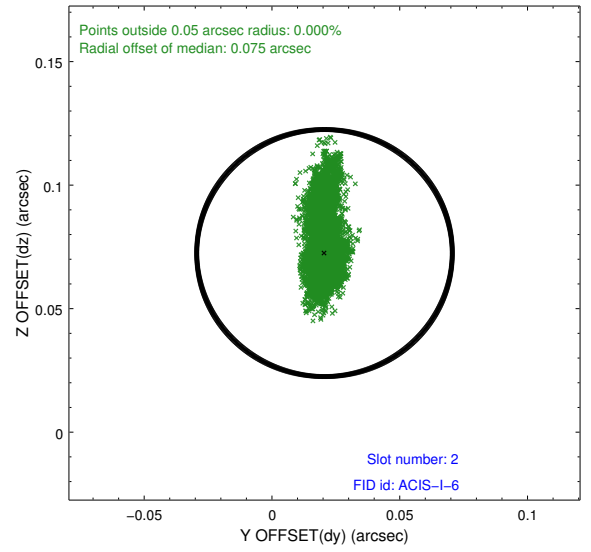
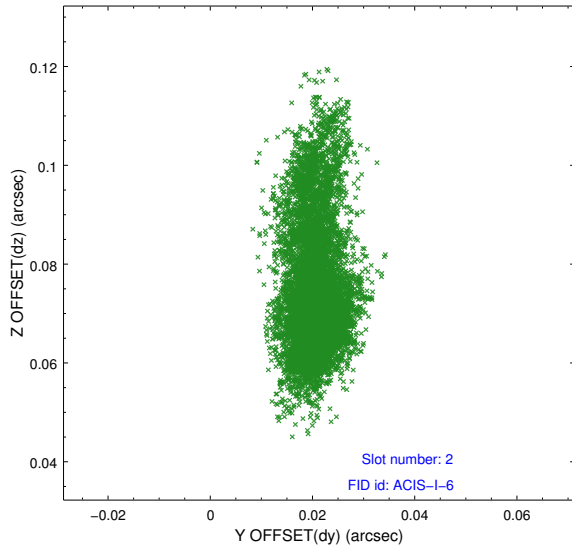
2.5.1 Slot 0



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)	2012.06.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.592518247187

A.2 Comments