

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6734 - L2 Version 3
Chandra X-Ray Center

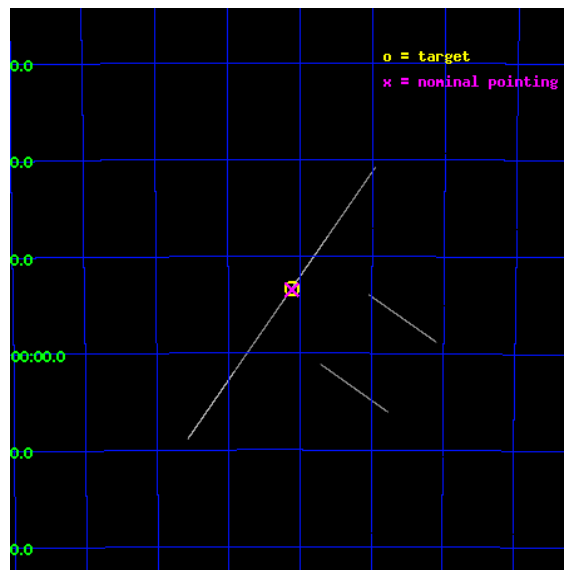
L2 Processing Date : Mar 30 2012

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1 Front

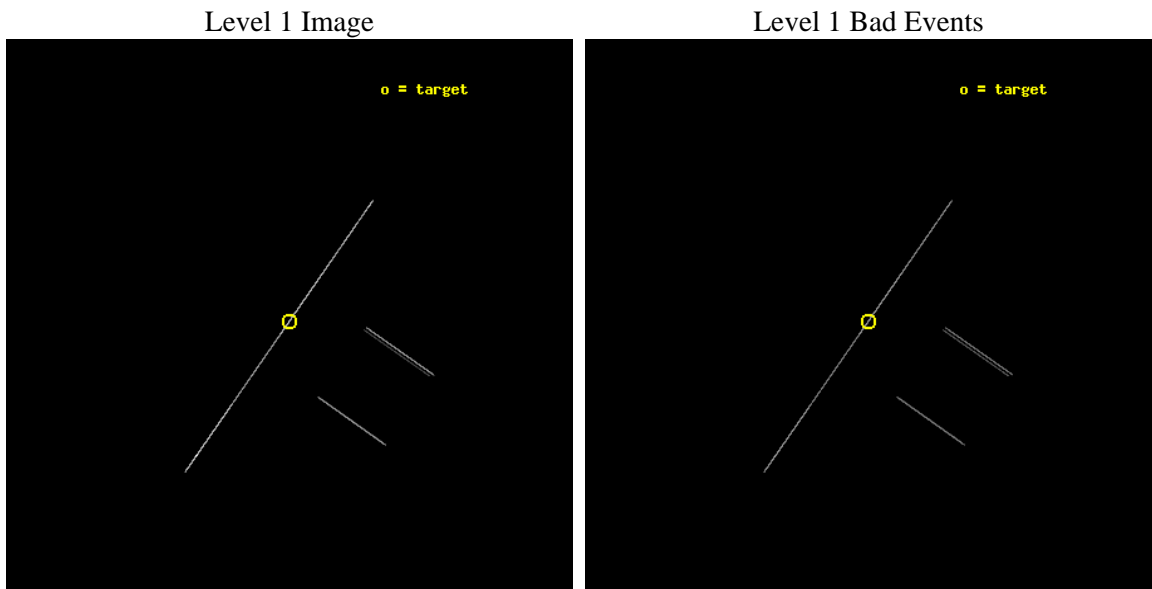
seq_num	500681	Sequence number
obs_id	6734	Observation id
title	THE X-RAY SPECTRAL AND OPTICAL/IR FLUX VARIABILITY IN MAGNETARS	Pr
observer	Professor Victoria Kaspi	Principal investigator
object	1E 1048.1-5937	Source name
ra_targ	162.529583	Observer's specified target RA [deg]
dec_targ	-59.889278	Observer's specified target Dec [deg]
ra_nom	162.52833466375	Nominal RA [deg]
dec_nom	-59.891274056976	Nominal Dec [deg]
roll_nom	304.92829408423	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20633.5	Sum of GTIs [s]
livetime	20552.900390625	Livetime [s]
ontime2	20633.5	Sum of GTIs [s]
ontime3	20633.5	Sum of GTIs [s]
ontime5	20633.5	Sum of GTIs [s]
ontime6	20633.5	Sum of GTIs [s]
ontime7	20633.5	Sum of GTIs [s]
ontime8	20633.5	Sum of GTIs [s]
l2events	355150	Number of level 2 events



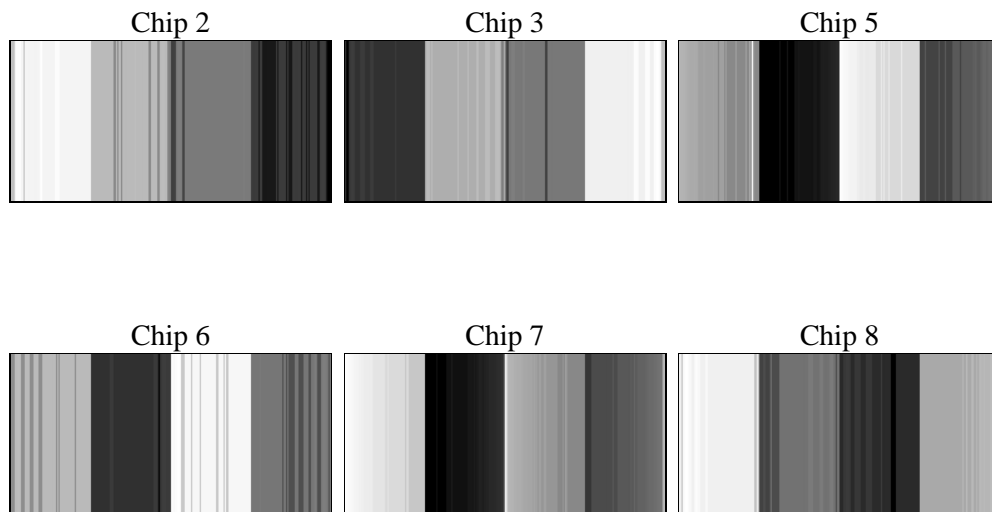
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	20633.5	Sum of GTIs [s]
caldbver	4.4.8	 	ontime2	20633.5	Sum of GTIs [s]
date	2012-03-30T18:48:09	Date and time of file creation	ontime3	20633.5	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	20633.5	Sum of GTIs [s]
			ontime6	20633.5	Sum of GTIs [s]
			ontime7	20633.5	Sum of GTIs [s]
			ontime8	20633.5	Sum of GTIs [s]
			l1events	567477	Number of level 1 events

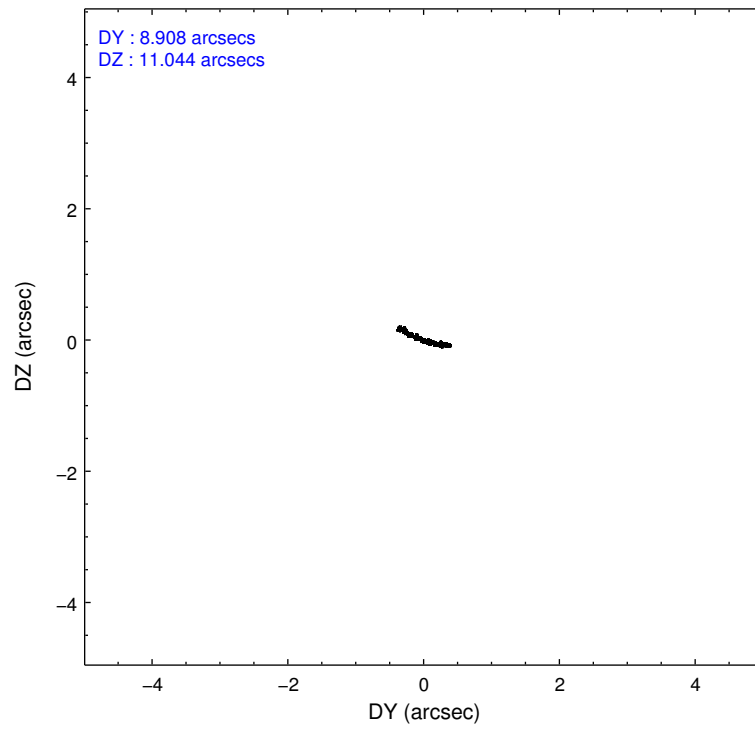
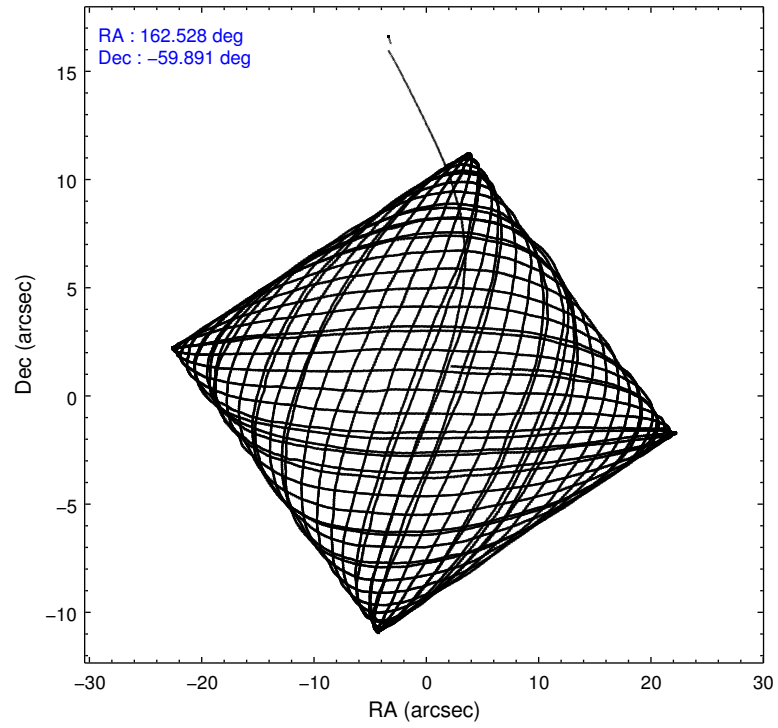
2.1.4 Events

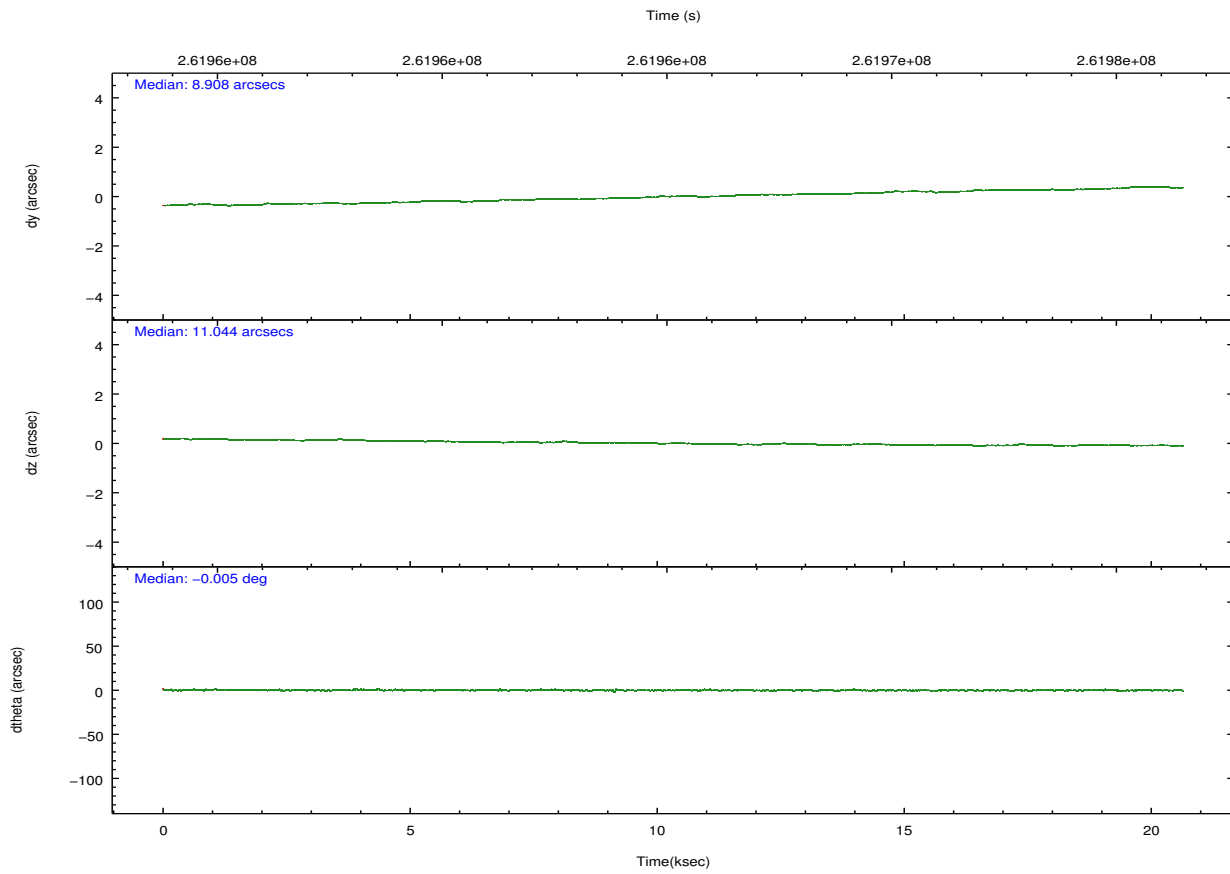
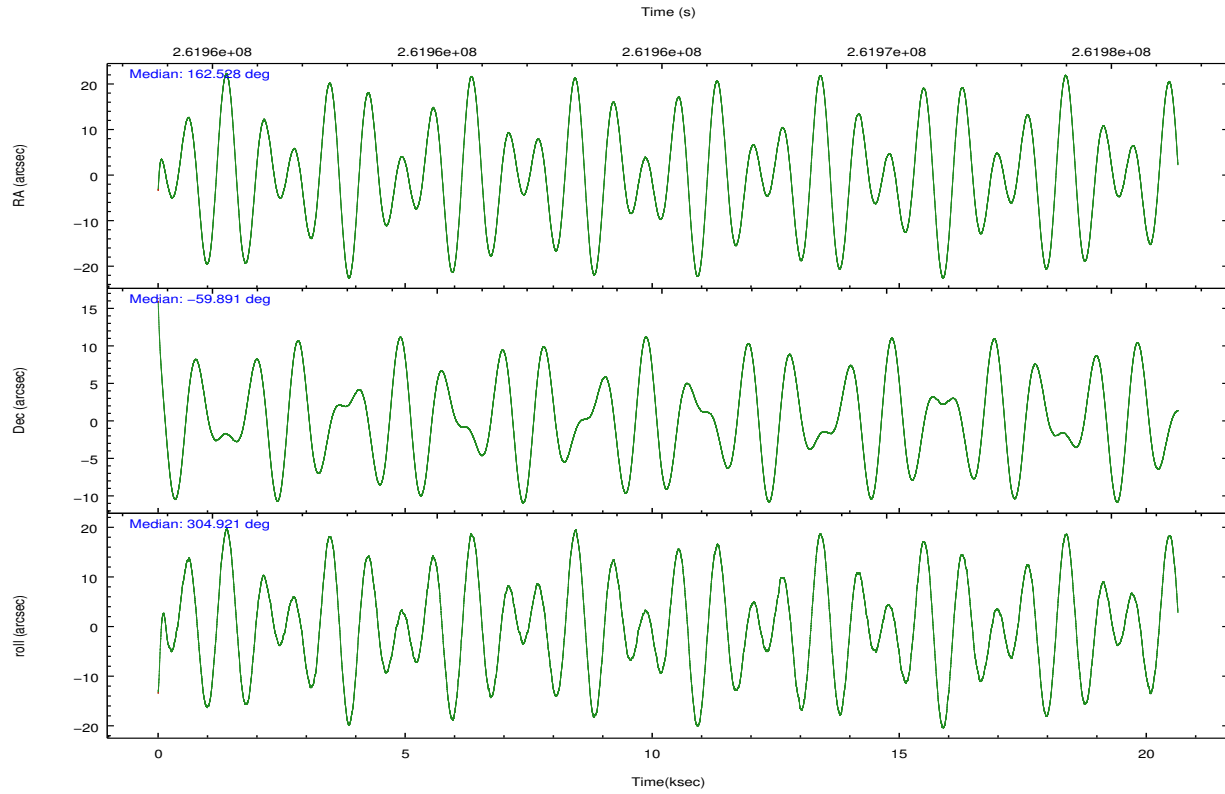
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	39502	43954	205671	43014	147950	87386	grade 0 events	4940	5589	50595	4475	13564	15458
rejected events	8830	9819	26852	10051	26731	15597		12%	12%	24%	10%	9%	17%
rejected %	22%	22%	13%	23%	18%	17%	grade 1 events	157	153	298	159	313	319
								0%	0%	0%	0%	0%	0%
							grade 2 events	12096	13673	51788	13220	32613	23160
								30%	31%	25%	30%	22%	26%
							grade 3 events	4236	4842	3653	4480	9359	8791
								10%	11%	1%	10%	6%	10%
							grade 4 events	4331	4261	3589	4210	9470	8519
								10%	9%	1%	9%	6%	9%
							grade 5 events	7089	7967	17824	8279	21130	11536
								17%	18%	8%	19%	14%	13%
							grade 6 events	6653	7469	77924	8191	61501	19603
								16%	16%	37%	19%	41%	22%
							grade 7 events	0	0	0	0	0	0
								0%	0%	0%	0%	0%	0%

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	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	162.478805	162.5283346637543	Subarray requested	NONE	NONE
[deg] Pointing Dec	-59.880038	-59.89127405697587	Alternating exposures requested	N	N
[deg] Pointing Roll	304.728829	304.9282940842317	[s] Primary exposure time	0.000000	0
[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)	261954957.184000	261953747.98205			
Observation start date	2006-04-20T21:14:52	2006-04-20T20:55:47			
[s] Observation end time (MET)	261975457.184000	261976087.85809			
Observation end date	2006-04-21T02:56:32	2006-04-21T03:08:07			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



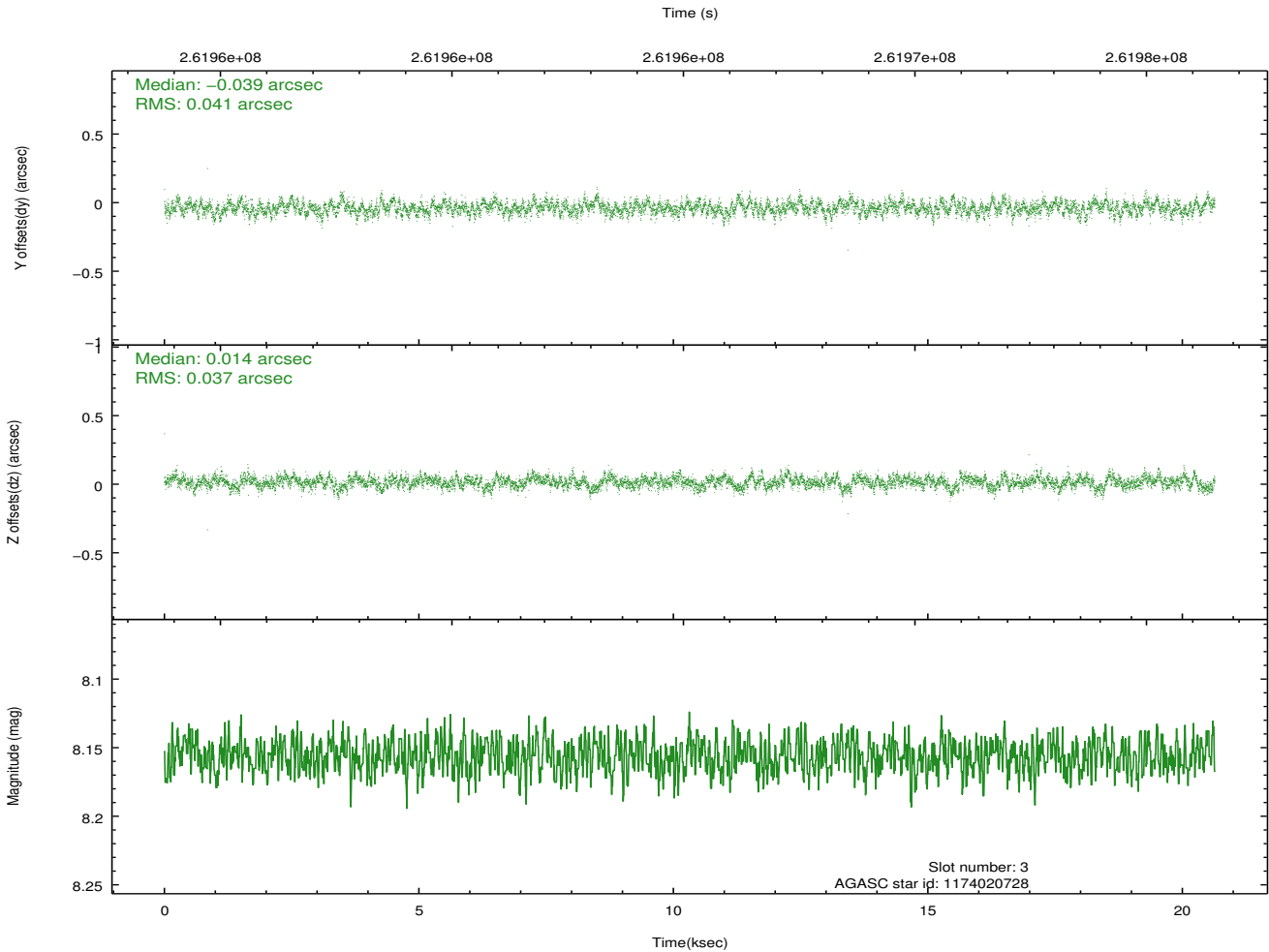
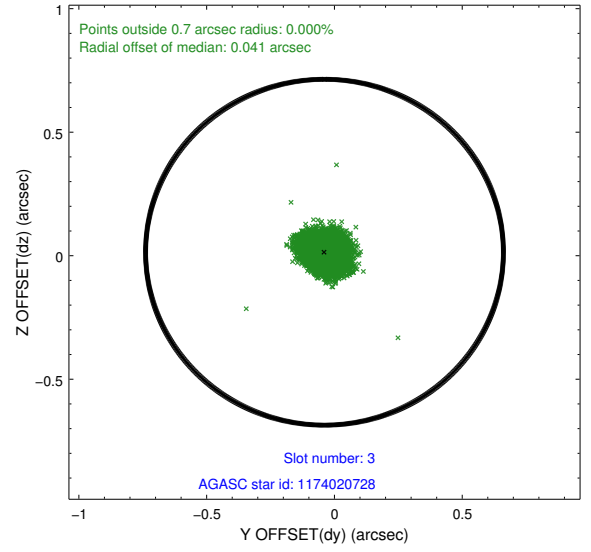
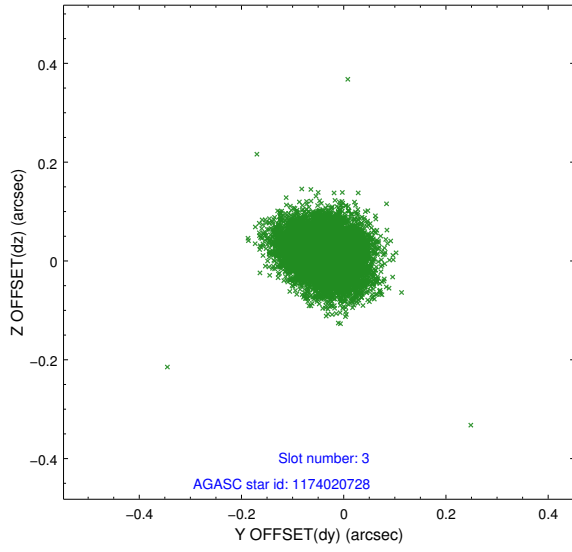


Slot Statistics

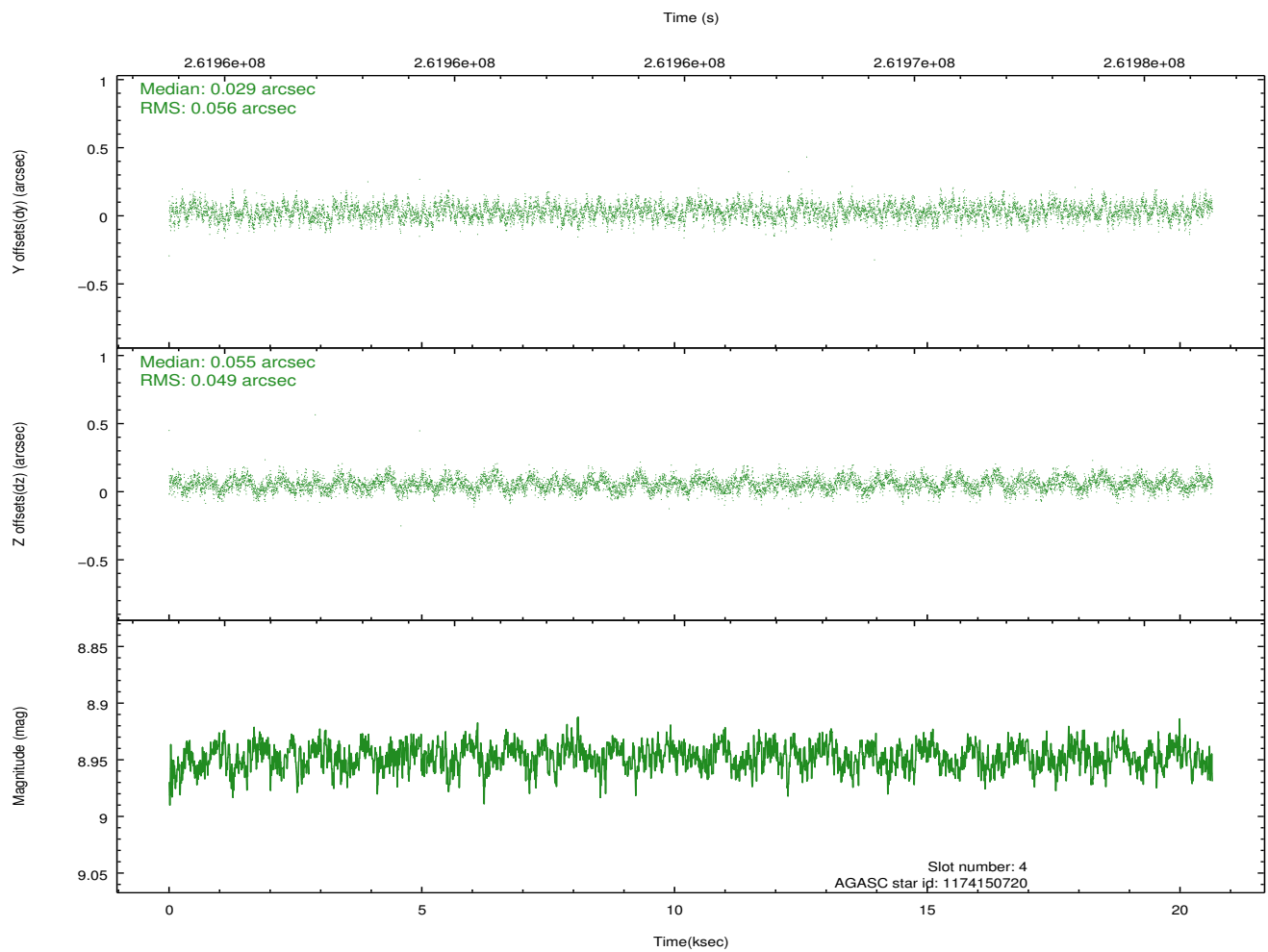
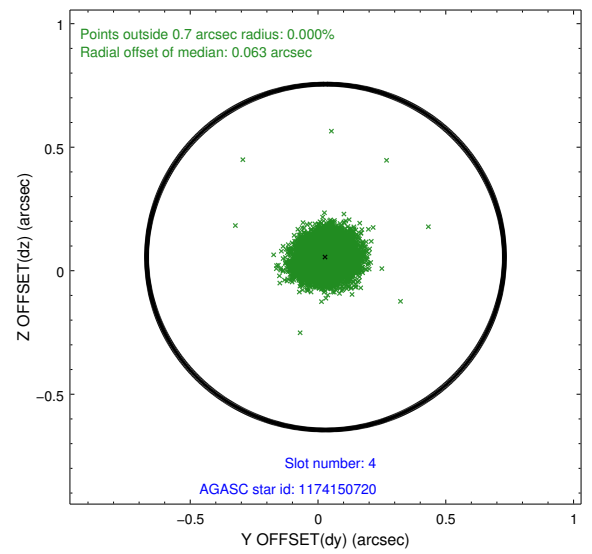
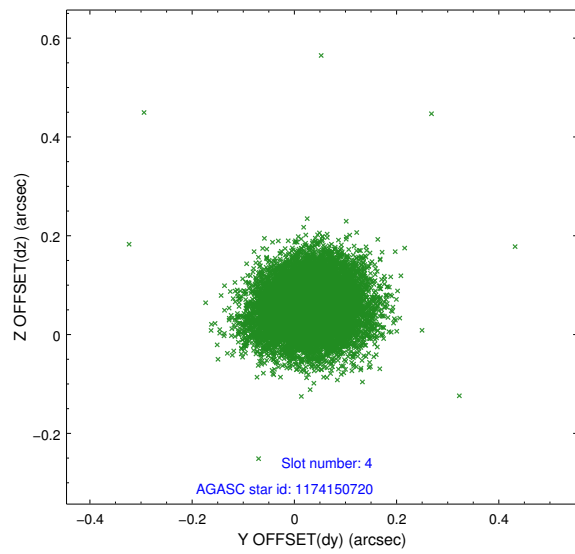
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	5034	-0.038	-0.018	0.010	0.017	0.000000	0.000000	-761.71	-1732.37
1	FID	ACIS-S-4	7.21	5035	0.143	0.023	0.016	0.025	0.000000	0.000000	2151.63	176.02
2	FID	ACIS-S-5	7.23	5034	-0.138	0.004	0.010	0.016	0.000000	0.000000	-1814.46	169.81
3	GUIDE	1174020728	8.16	10066	-0.039	0.014	0.058	0.095	162.364714	-60.294672	1111.27	-1017.64
4	GUIDE	1174150720	8.95	10059	0.029	0.055	0.079	0.126	164.104813	-60.030464	2140.44	2074.26
5	GUIDE	1130646208	8.78	10065	-0.046	-0.017	0.066	0.107	161.174145	-59.782338	-1615.96	-1755.55
6	GUIDE	1130645048	9.06	10062	0.033	-0.058	0.075	0.120	163.269340	-59.505518	-278.44	1949.80
7	GUIDE	1174025248	8.79	10065	0.018	0.008	0.088	0.139	161.784801	-60.573378	1357.93	-2434.17

2.4 Star Slots

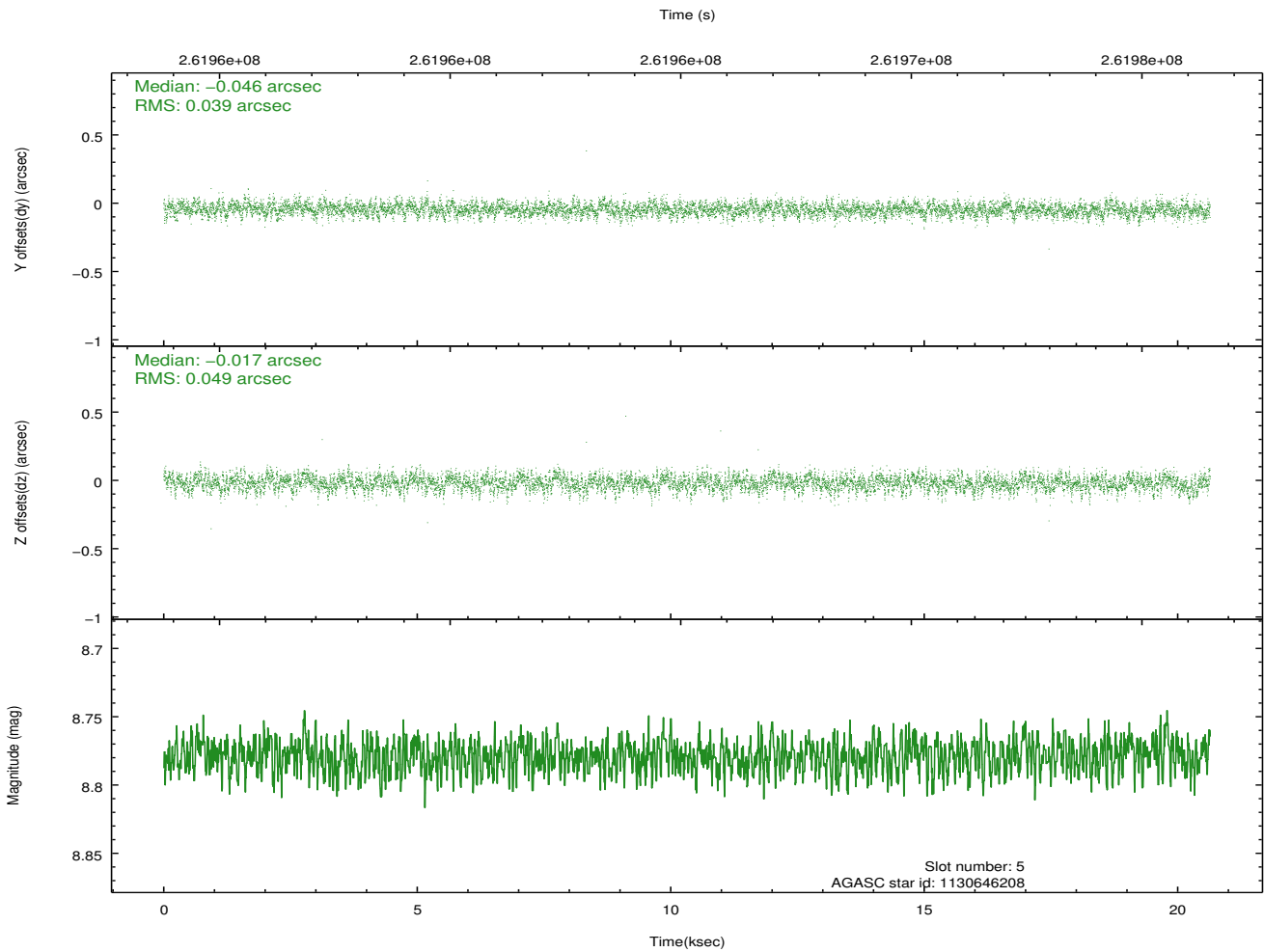
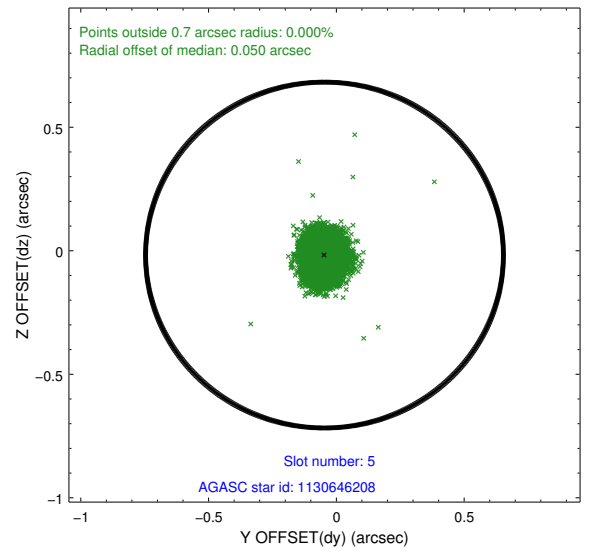
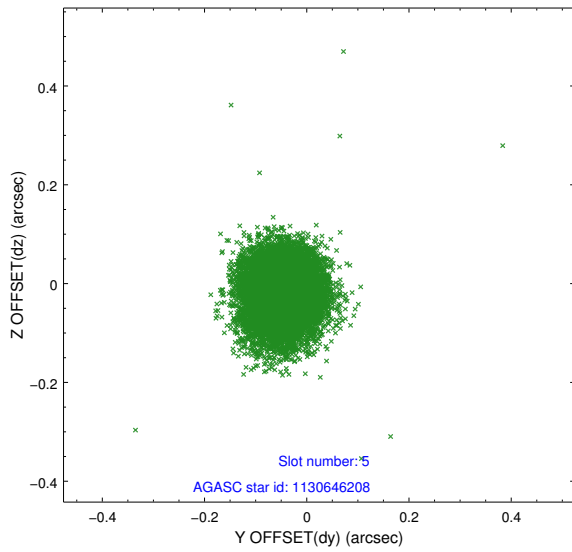
2.4.1 Slot 3



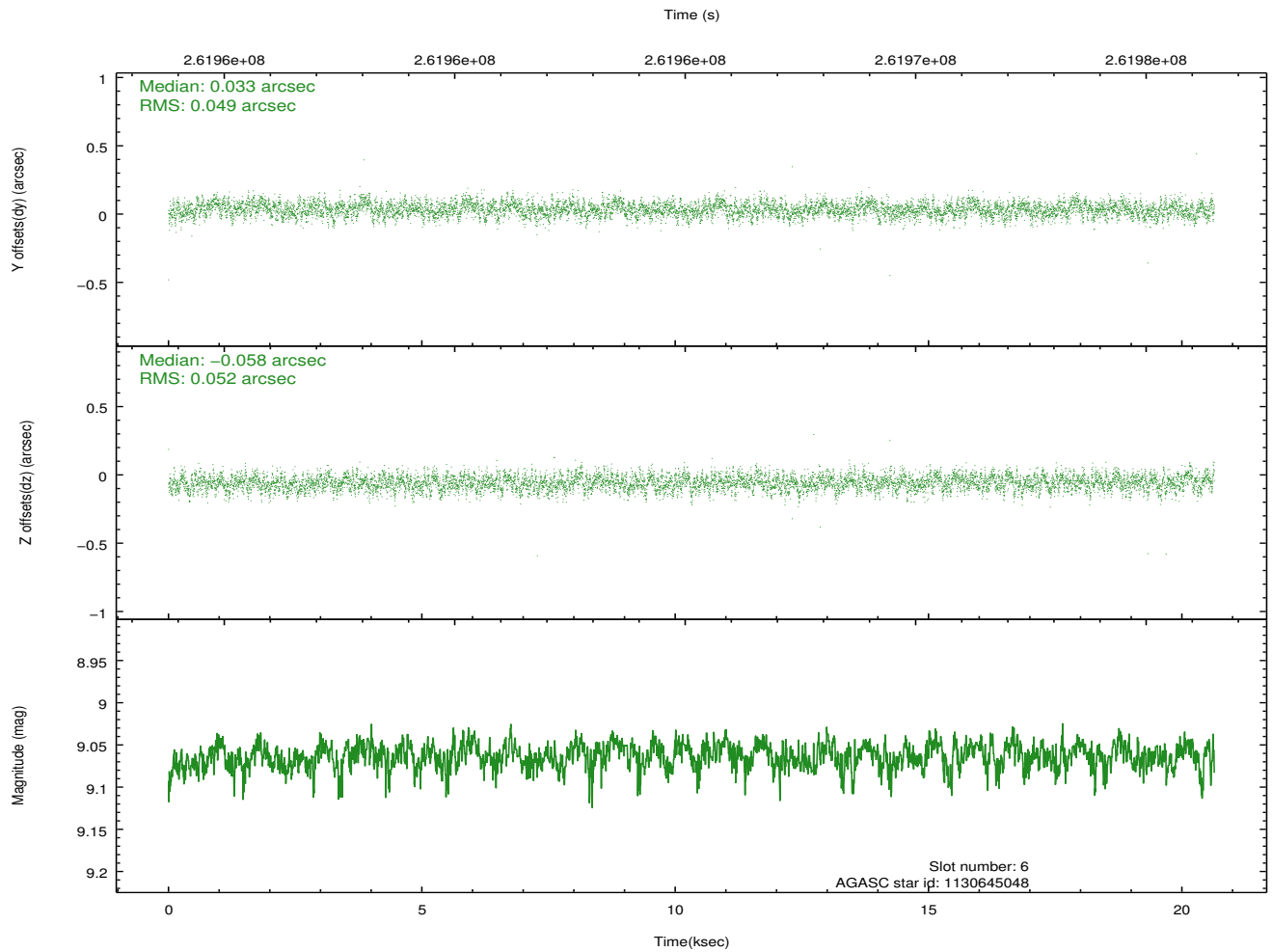
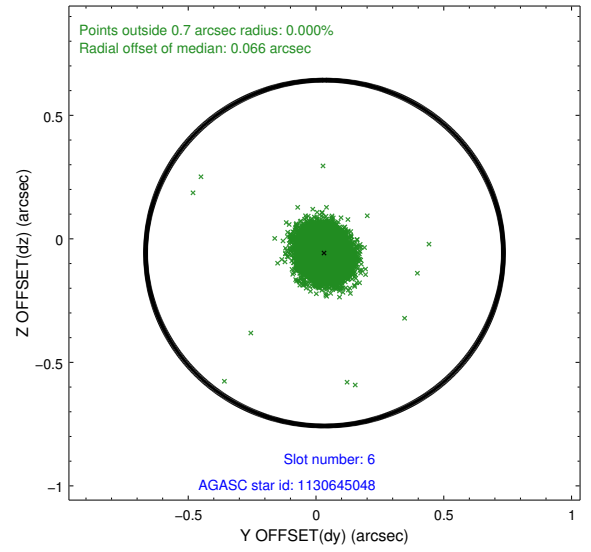
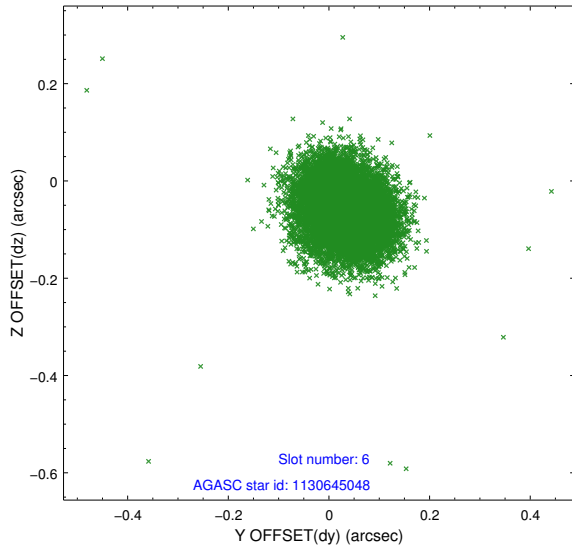
2.4.2 Slot 4



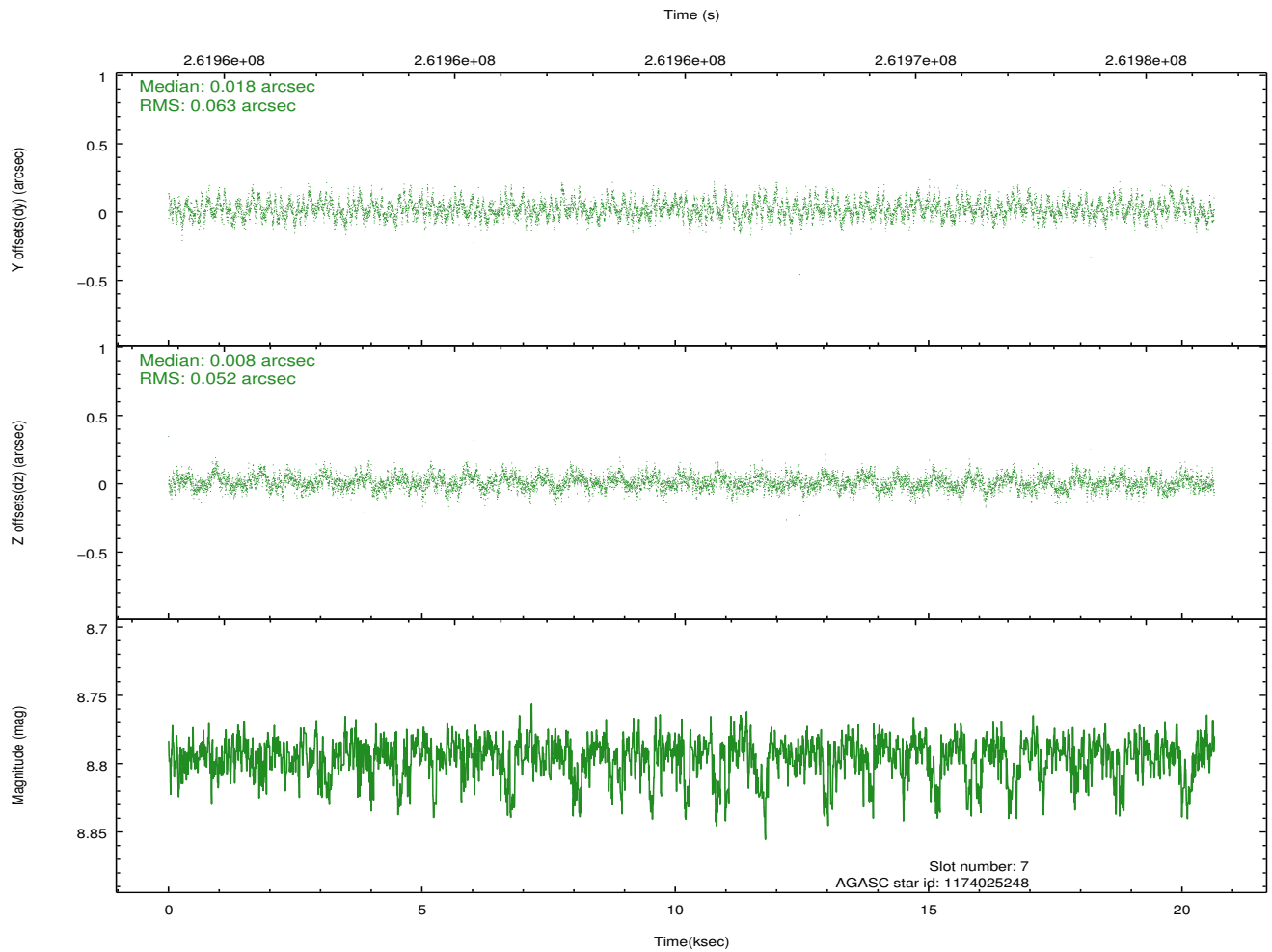
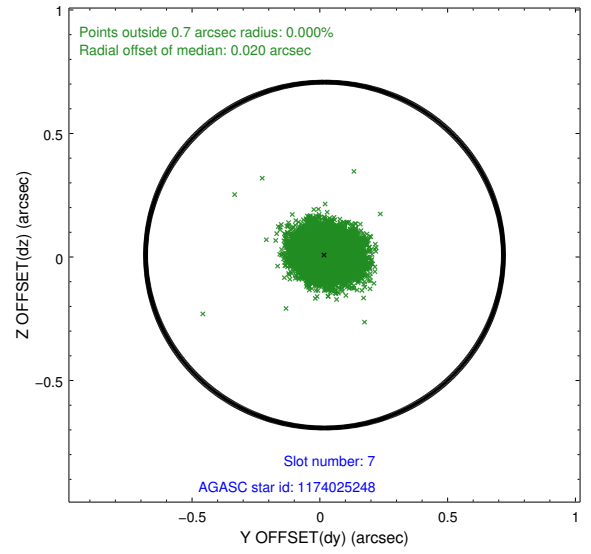
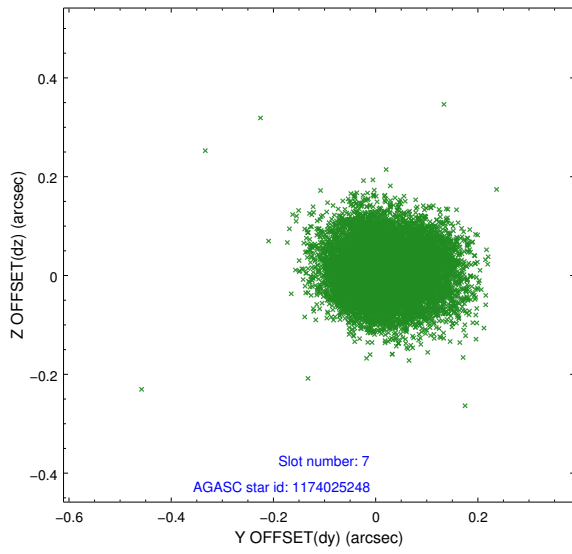
2.4.3 Slot 5



2.4.4 Slot 6

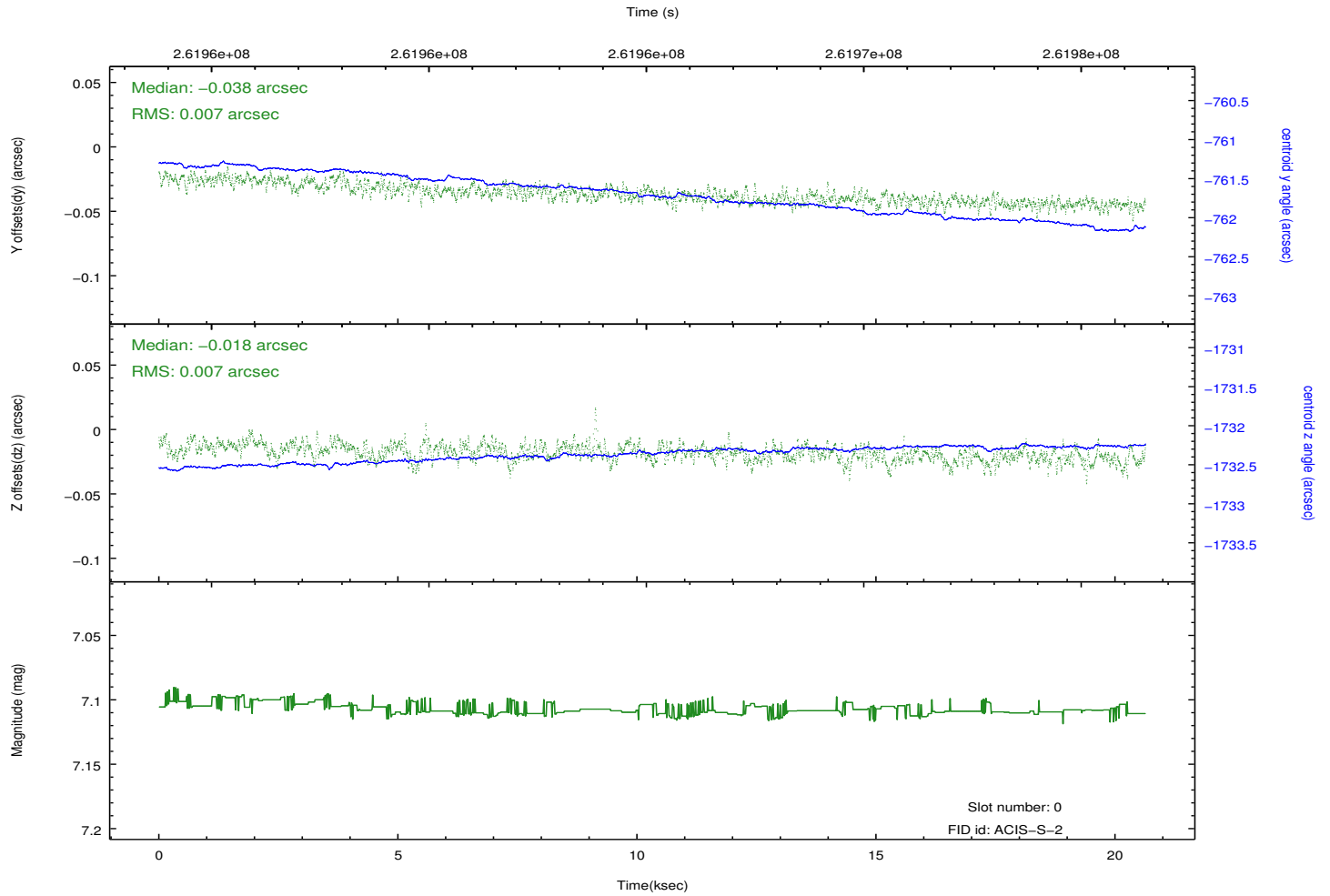
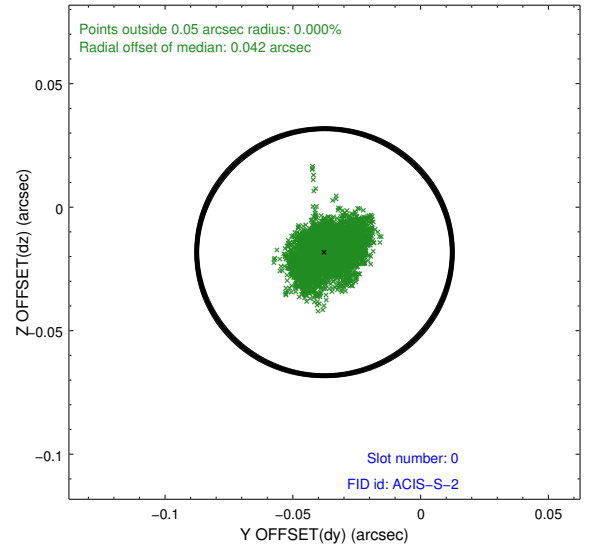
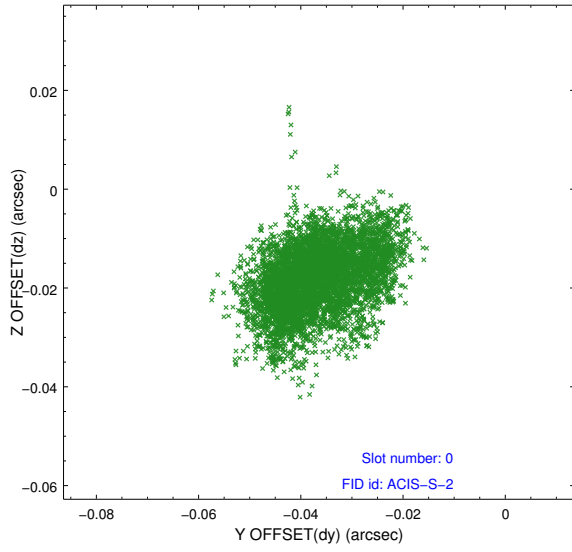


2.4.5 Slot 7

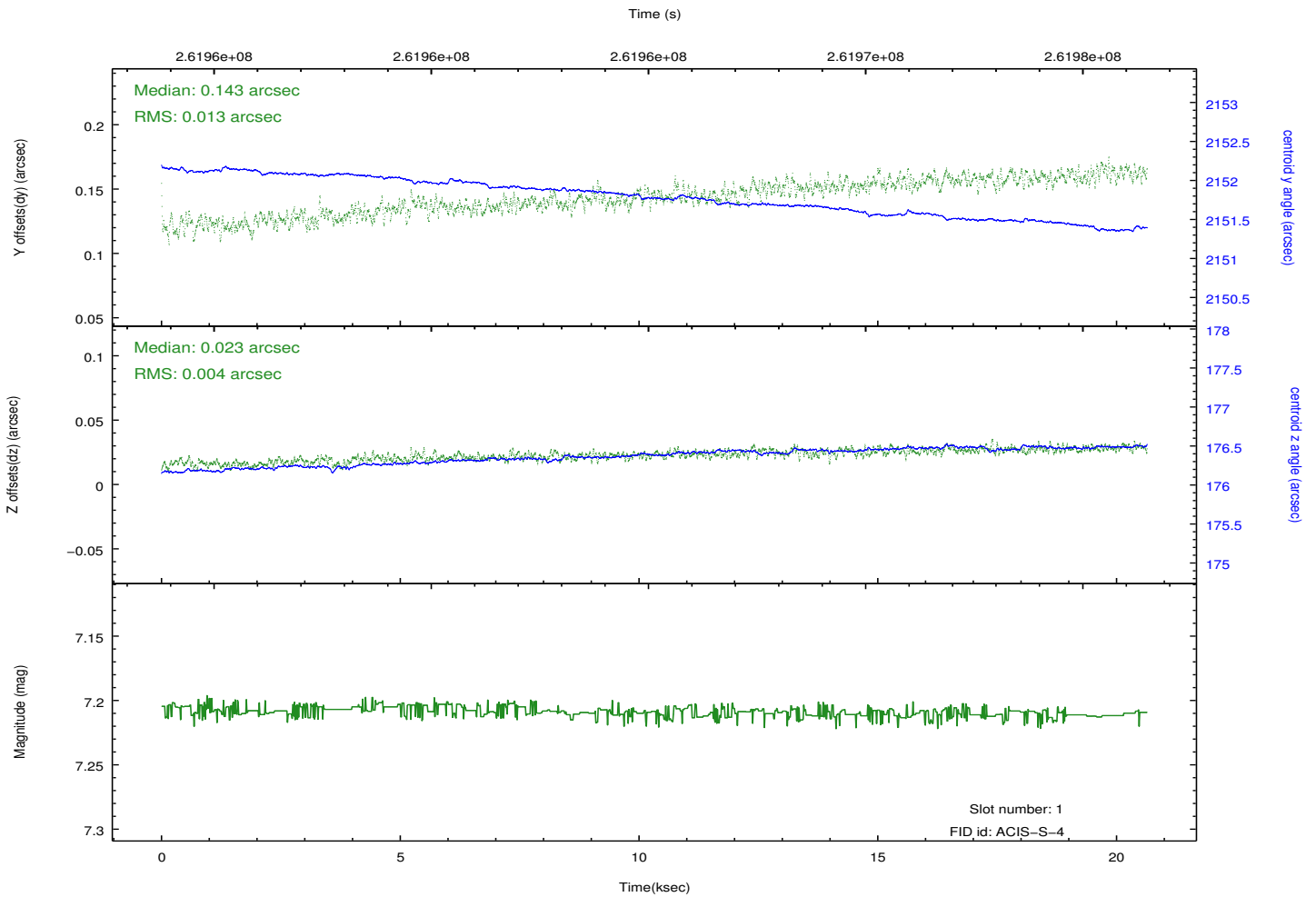
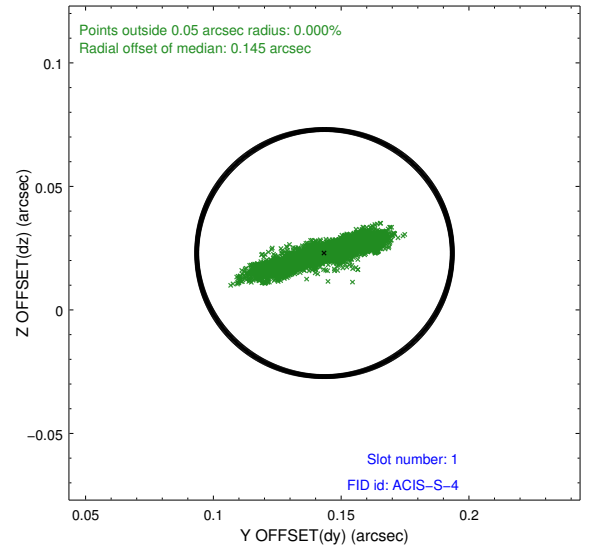
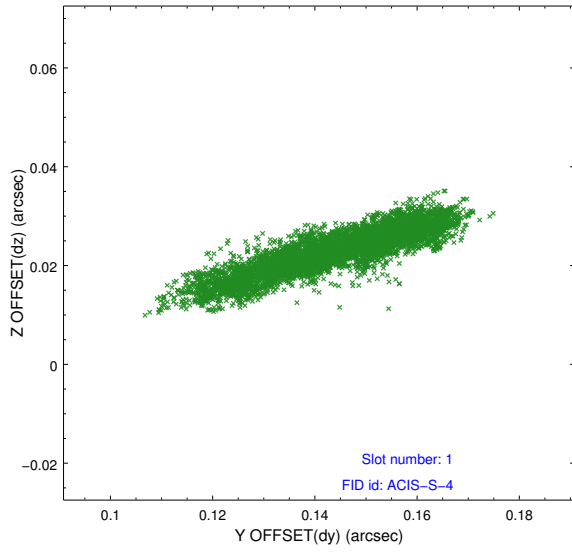


2.5 FID Slots

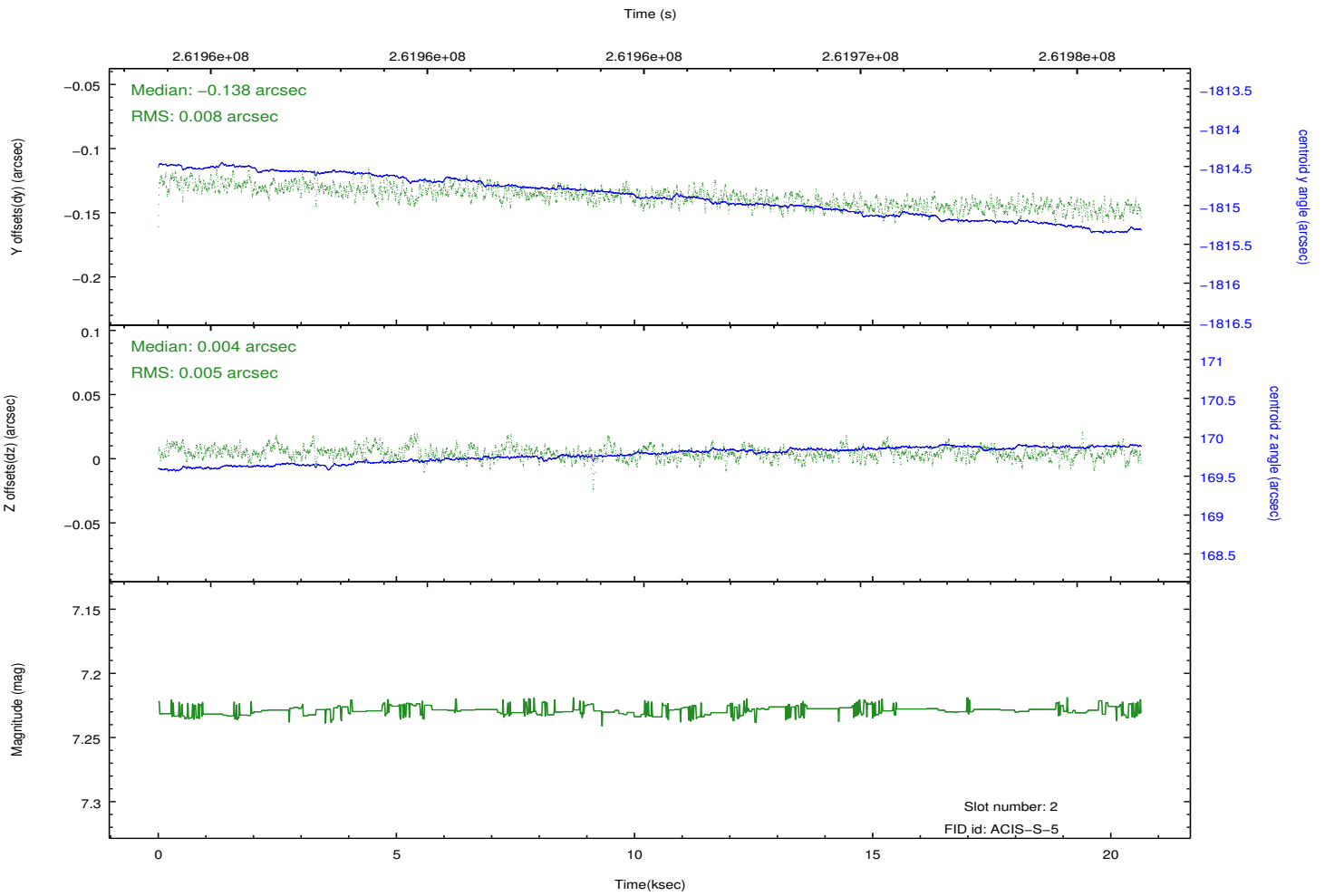
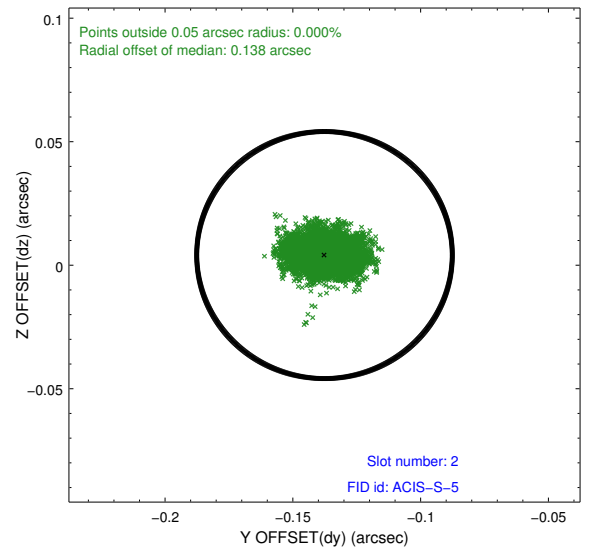
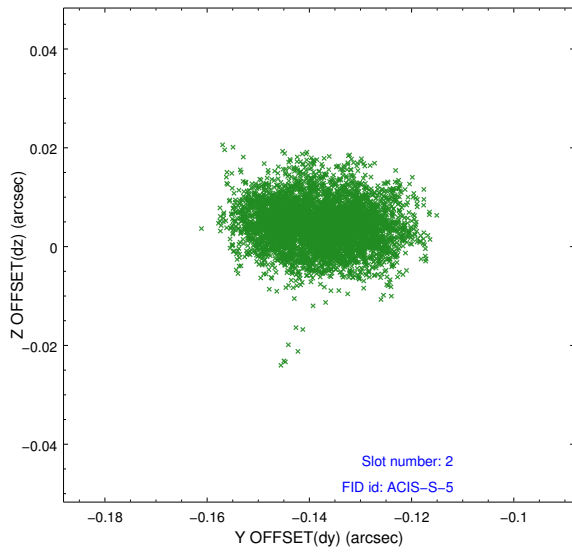
2.5.1 Slot 0



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)	2012.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.6335

A.2 Comments