

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7612 - L2 Version 2
Chandra X-Ray Center

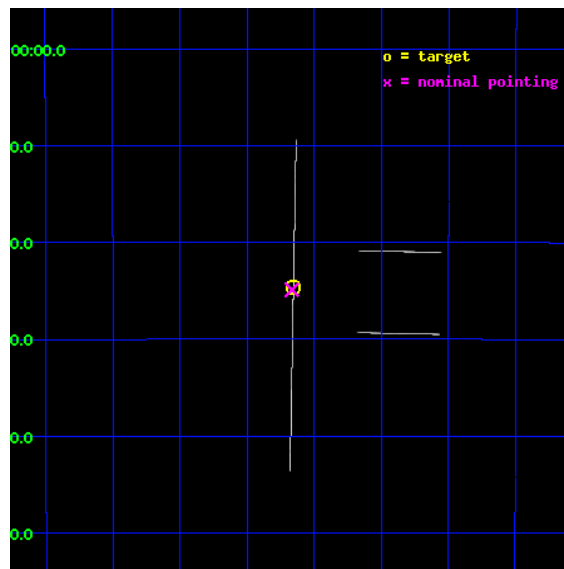
L2 Processing Date : May 2 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

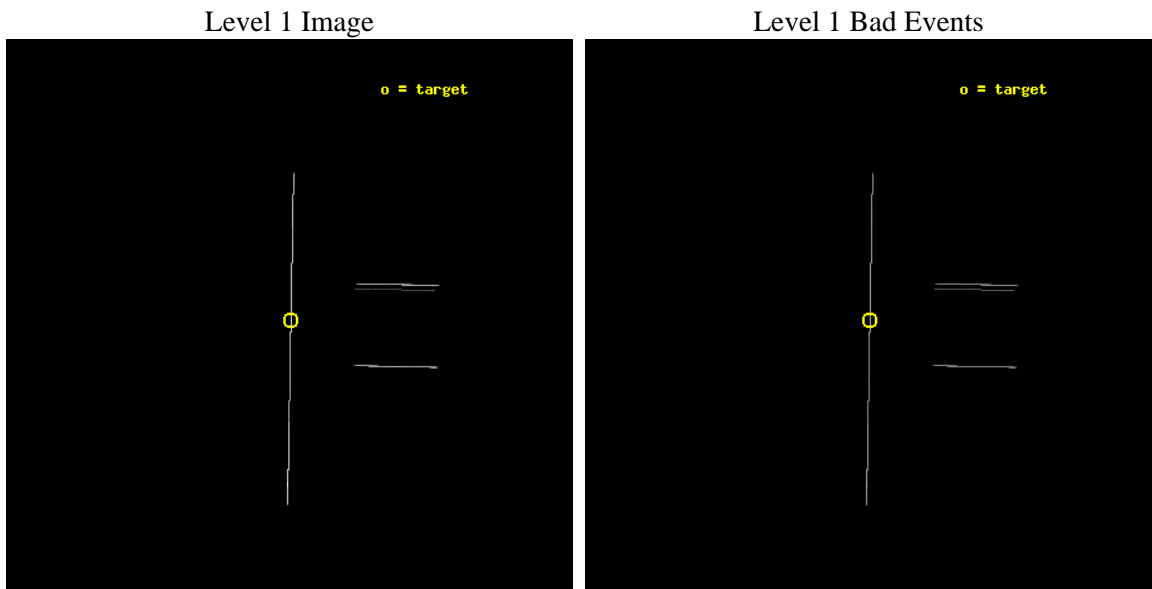
seq_num	500742	Sequence number
obs_id	7612	Observation id
title	ToO Observations of Soft Gamma Repeaters	Proposal title
observer	Dr. Peter Woods	Principal investigator
object	SGR 1806-20	Source name
ra_targ	272.16375	Observer's specified target RA [deg]
dec_targ	-20.410972	Observer's specified target Dec [deg]
ra_nom	272.16654713209	Nominal RA [deg]
dec_nom	-20.415052248982	Nominal Dec [deg]
roll_nom	271.02209681643	Nominal Roll [deg]
revision	2	Processing version of data
ontime	37972.244508266	Sum of GTIs [s]
livetime	37823.915428156	Livetime [s]
ontime2	37998.5	Sum of GTIs [s]
ontime3	37976.615926445	Sum of GTIs [s]
ontime5	37998.5	Sum of GTIs [s]
ontime6	37998.5	Sum of GTIs [s]
ontime7	37972.244508266	Sum of GTIs [s]
ontime8	37982.455673158	Sum of GTIs [s]
l2events	686533	Number of level 2 events



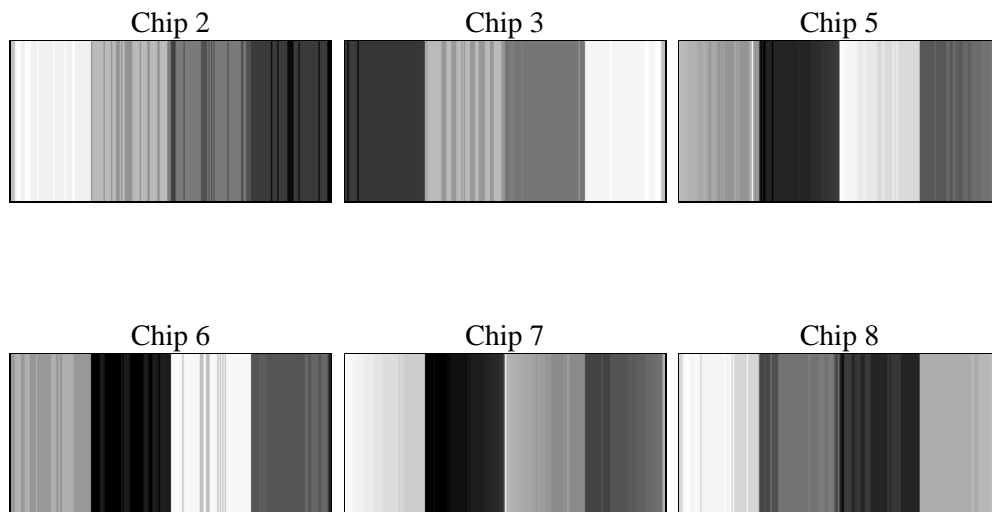
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	37843.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	37972.244508266	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	37998.5	Sum of GTIs [s]
date	2012-05-01T22:41:27	Date and time of file creation	ontime3	37976.615926445	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	37998.5	Sum of GTIs [s]
			ontime6	37998.5	Sum of GTIs [s]
			ontime7	37972.244508266	Sum of GTIs [s]
			ontime8	37982.455673158	Sum of GTIs [s]
			l1events	1047845	Number of level 1 events

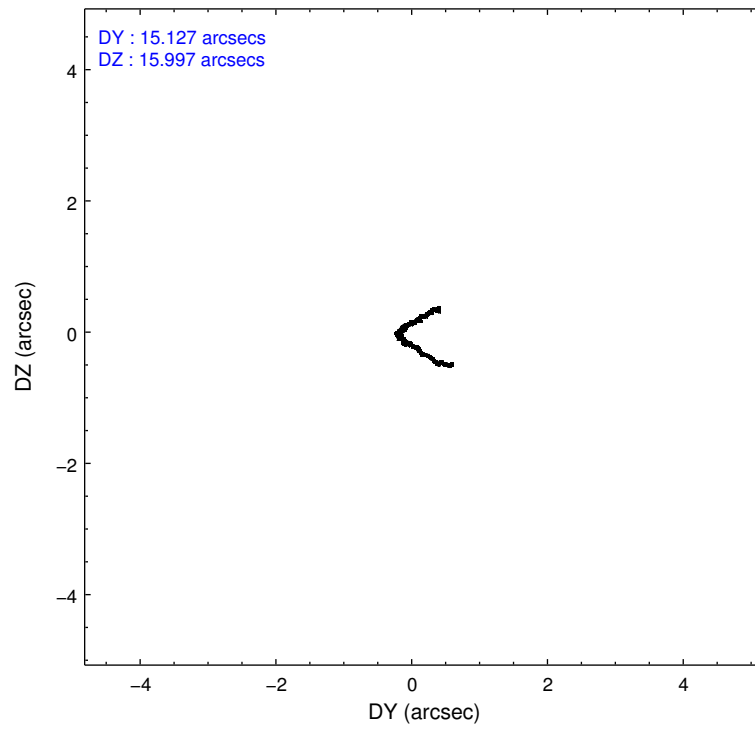
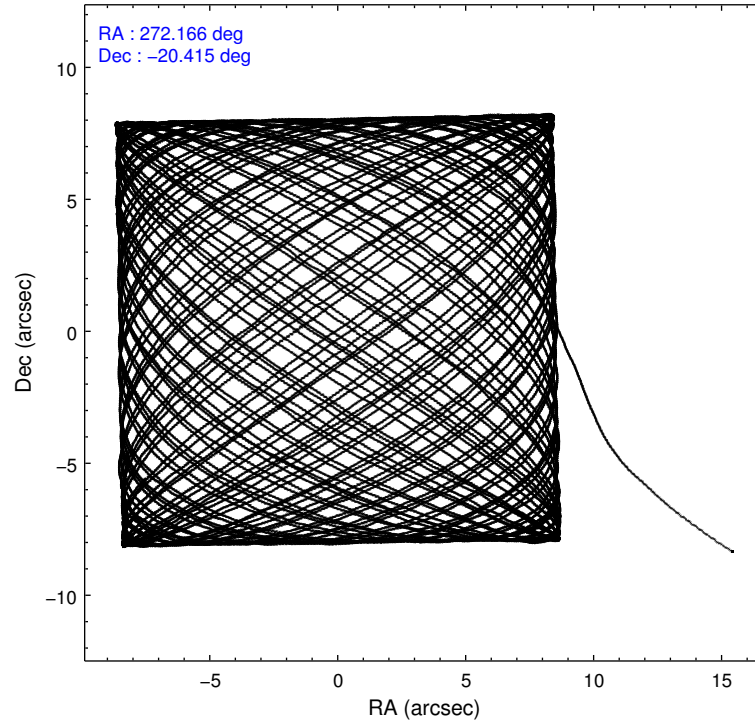
2.1.4 Events

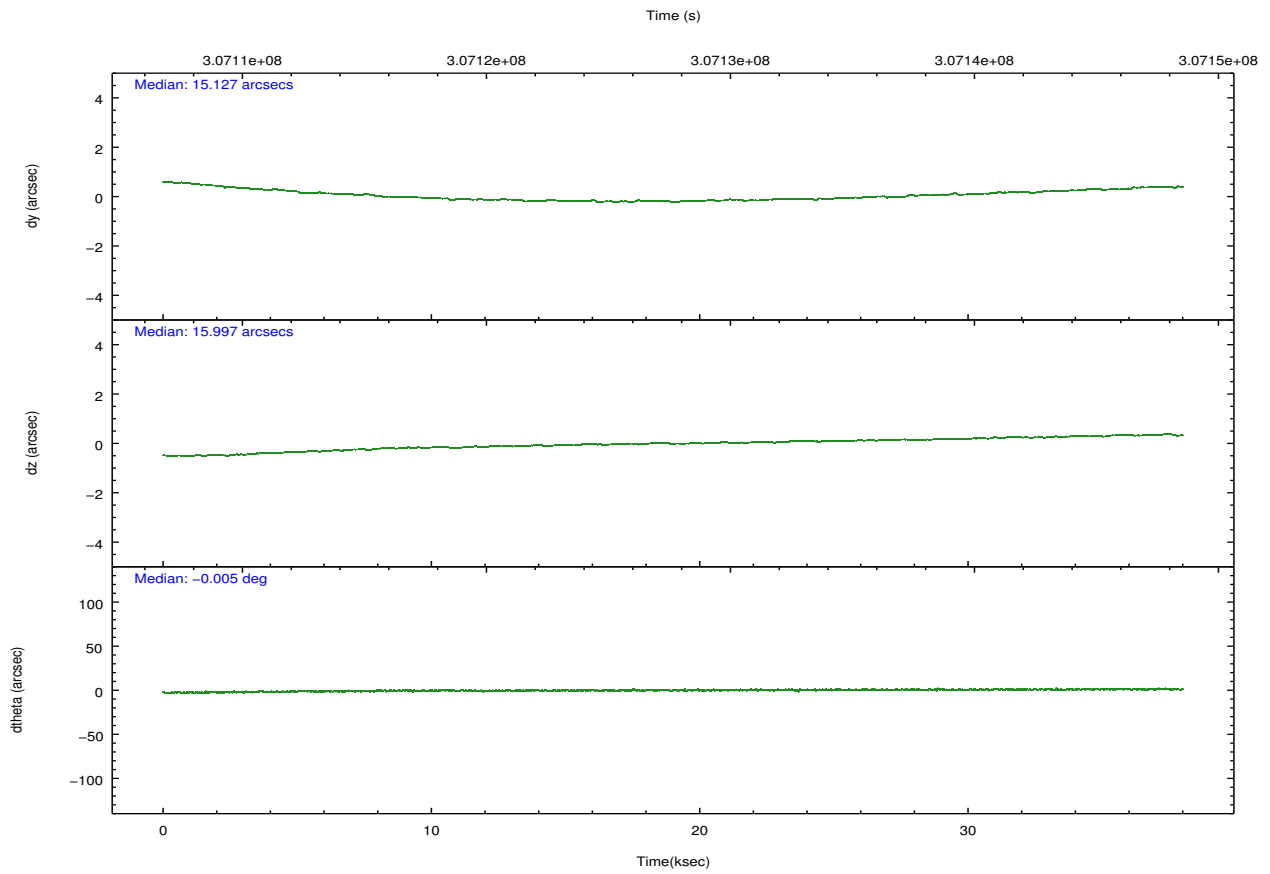
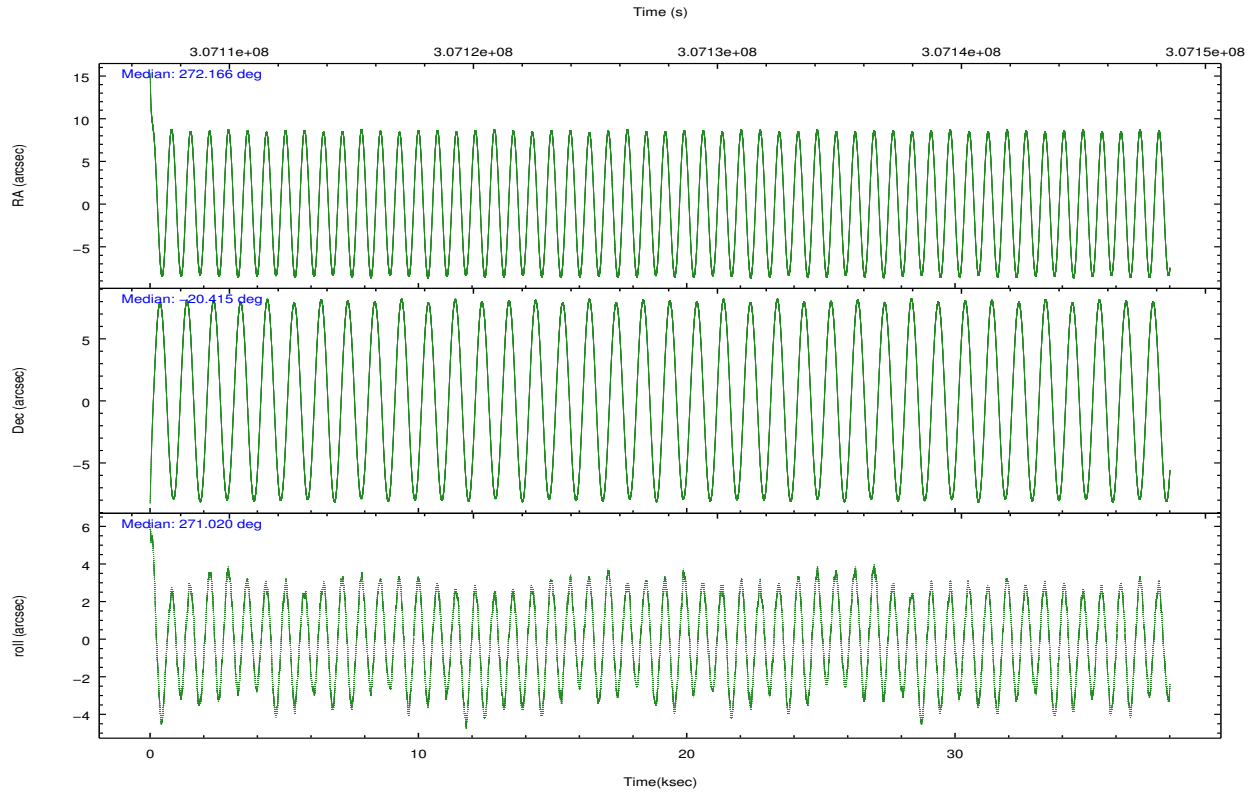
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	76730	84214	369302	85547	257510	174542	grade 0 events	9533	9558	68279	8677	17821	30329
rejected events	15731	17976	44131	18510	44735	27521		12%	11%	18%	10%	6%	17%
rejected %	20%	21%	11%	21%	17%	15%	grade 1 events	325	345	569	287	653	681
								0%	0%	0%	0%	0%	0%
							grade 2 events	24408	26276	97321	27262	56484	47557
								31%	31%	26%	31%	21%	27%
							grade 3 events	7822	9053	7091	8411	14084	16588
								10%	10%	1%	9%	5%	9%
							grade 4 events	7718	7989	6830	7793	13809	16138
								10%	9%	1%	9%	5%	9%
							grade 5 events	13893	15991	34900	16637	39292	23158
								18%	18%	9%	19%	15%	13%
							grade 6 events	13031	15002	154312	16480	115367	40091
								16%	17%	41%	19%	44%	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	272.151178	272.1665471320865	Subarray requested	NONE	NONE
[deg] Pointing Dec	-20.391811	-20.41505224898169	Alternating exposures requested	N	N
[deg] Pointing Roll	270.860116	271.022096816431	[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)	307108805.184000	307107731.23361			
Observation start date	2007-09-25T11:59:00	2007-09-25T11:42:11			
[s] Observation end time (MET)	307146648.184000	307148060.88555			
Observation end date	2007-09-25T22:29:43	2007-09-25T22:54:20			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect





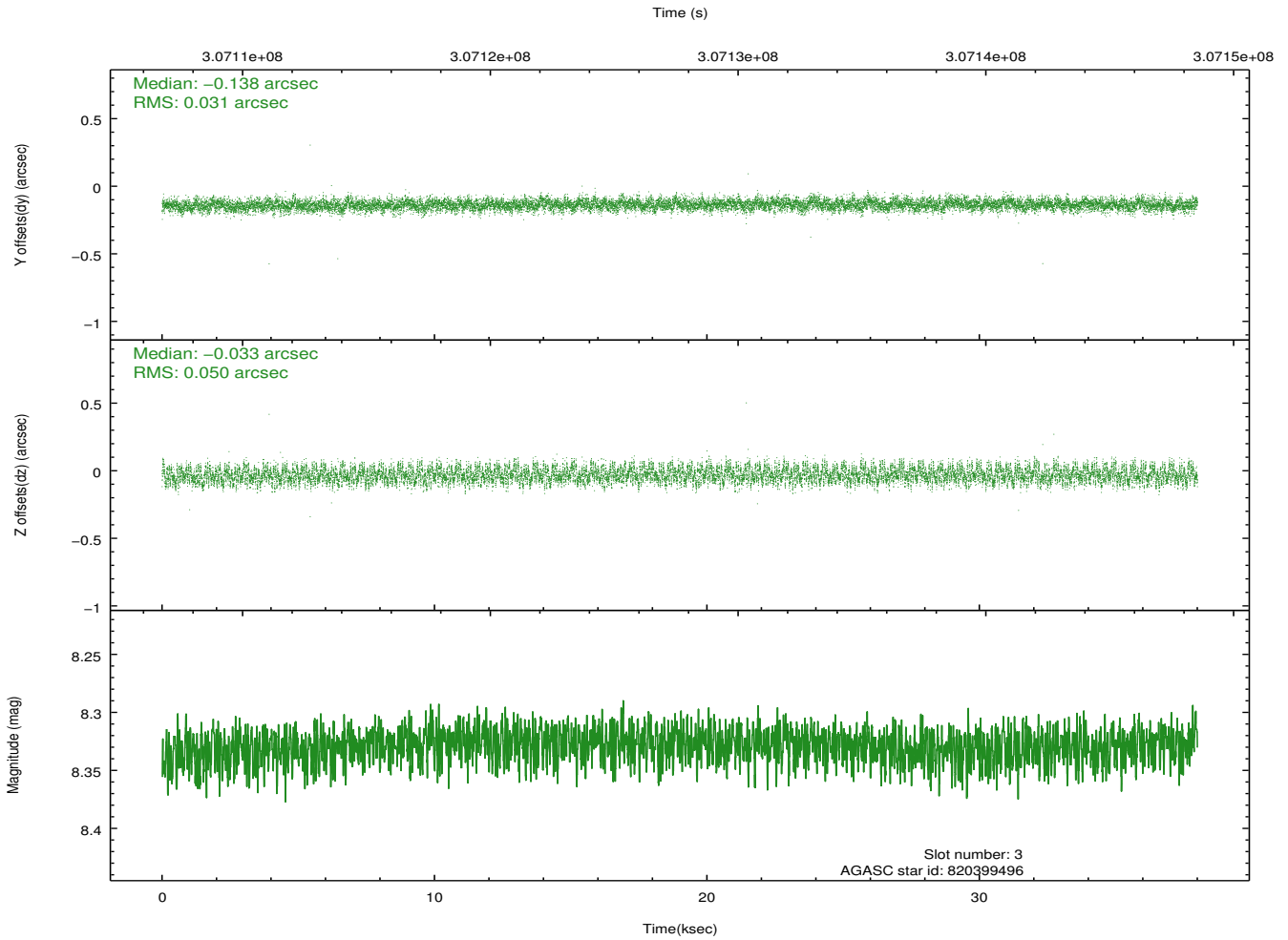
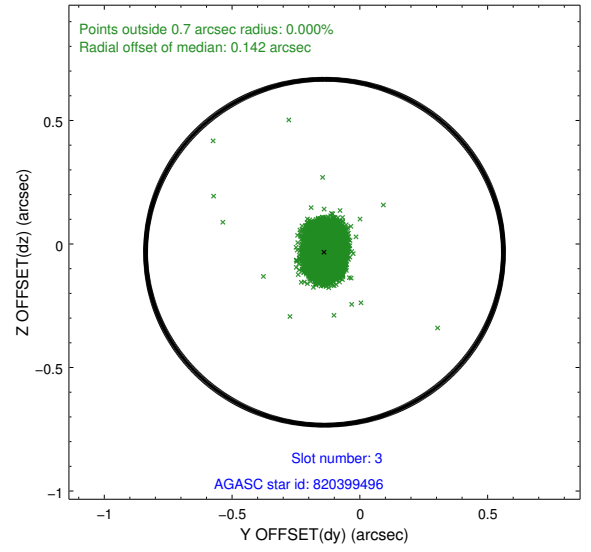
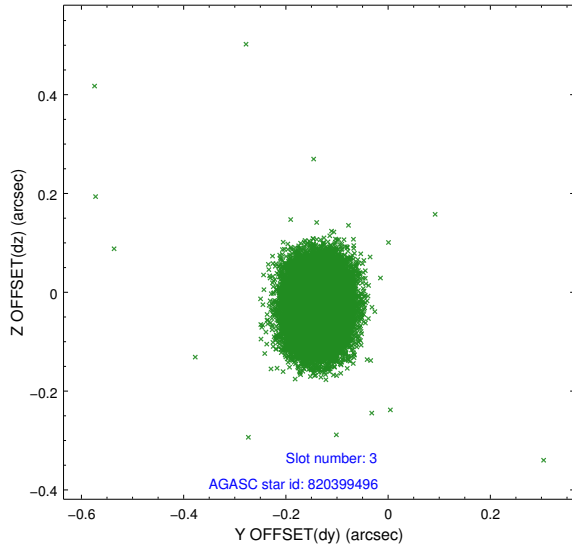
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.17	9270	0.076	-0.092	0.010	0.017	0.000000	0.000000	927.94	-1733.11
1	FID	ACIS-S-5	7.22	9270	-0.141	0.036	0.010	0.016	0.000000	0.000000	-1821.24	164.58
2	FID	ACIS-S-6	7.32	9270	0.046	0.068	0.010	0.018	0.000000	0.000000	393.46	808.58
3	GUIDE	820399496	8.33	18530	-0.138	-0.033	0.062	0.100	271.495152	-19.953854	-1605.18	-2196.00
4	GUIDE	822098736	8.47	18536	-0.109	0.026	0.070	0.111	272.269355	-19.875225	-1853.22	428.04
5	GUIDE	822102416	7.49	18539	-0.117	-0.095	0.074	0.113	272.173216	-20.087156	-1095.39	91.07
6	GUIDE	822614704	7.88	18536	0.124	0.159	0.055	0.086	272.076243	-20.843493	1622.56	-276.08
7	GUIDE	822616024	8.41	18531	0.242	-0.055	0.058	0.093	272.218514	-20.919122	1902.42	198.42

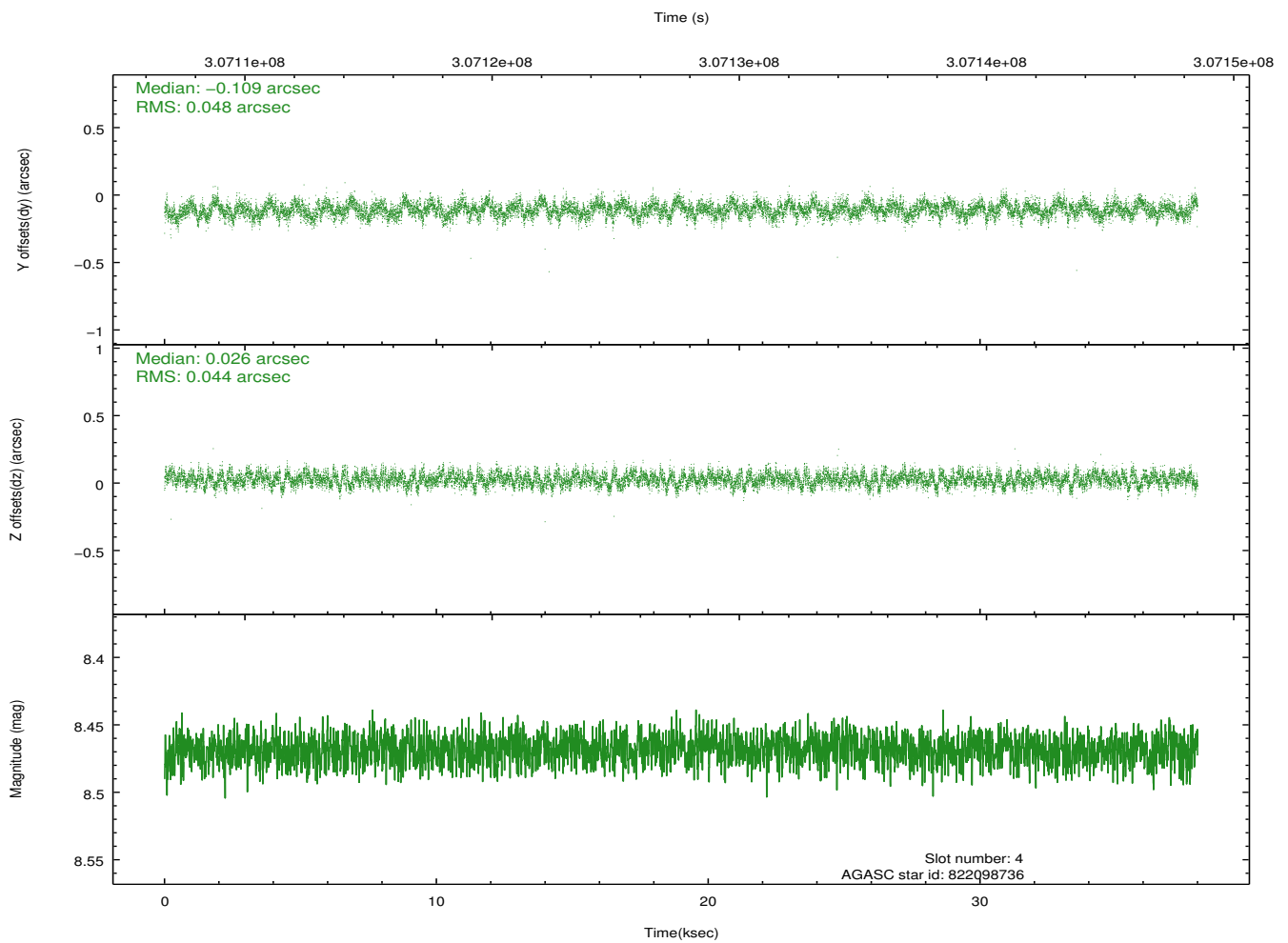
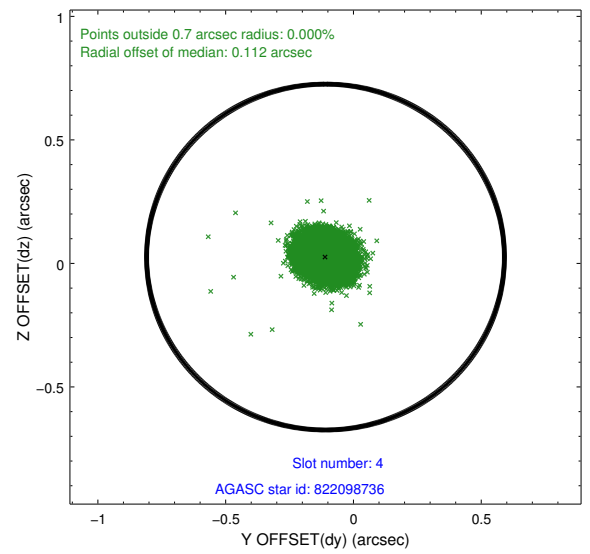
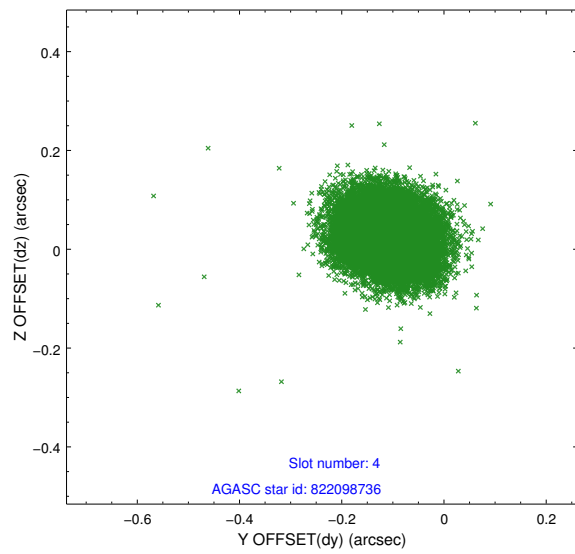
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2.4 Star Slots

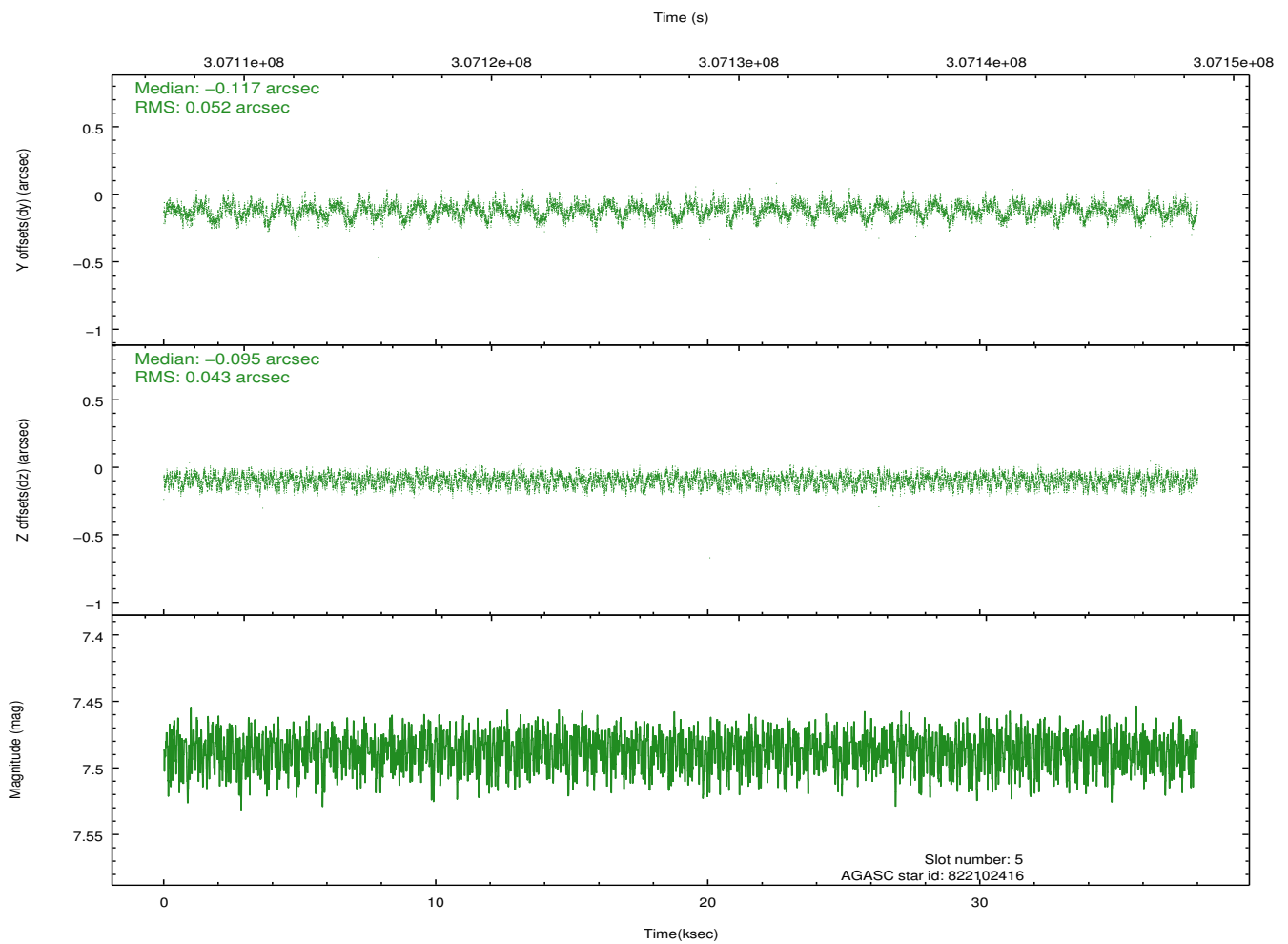
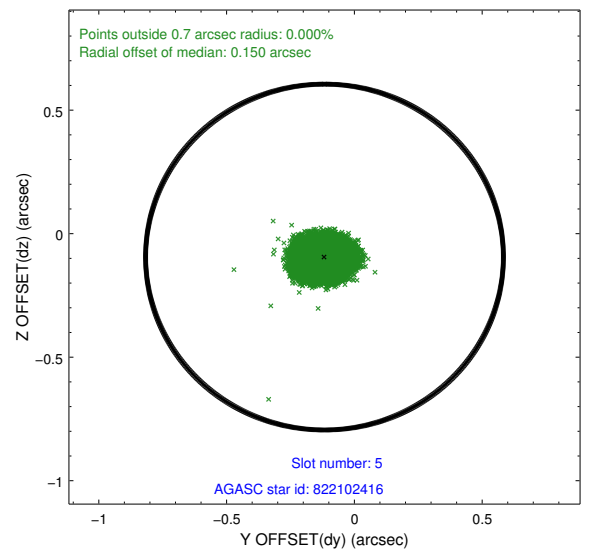
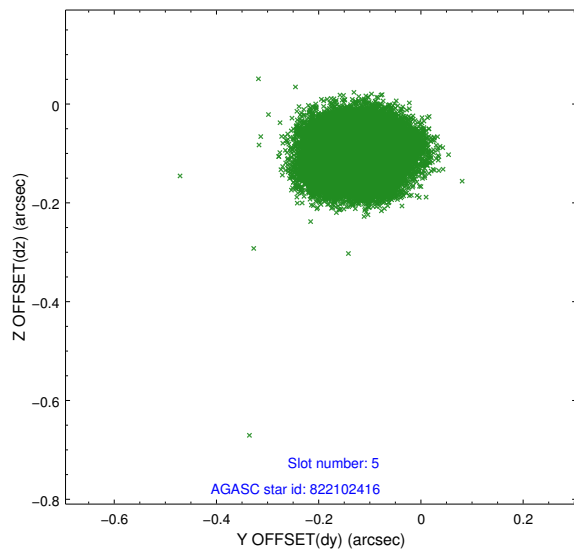
2.4.1 Slot 3



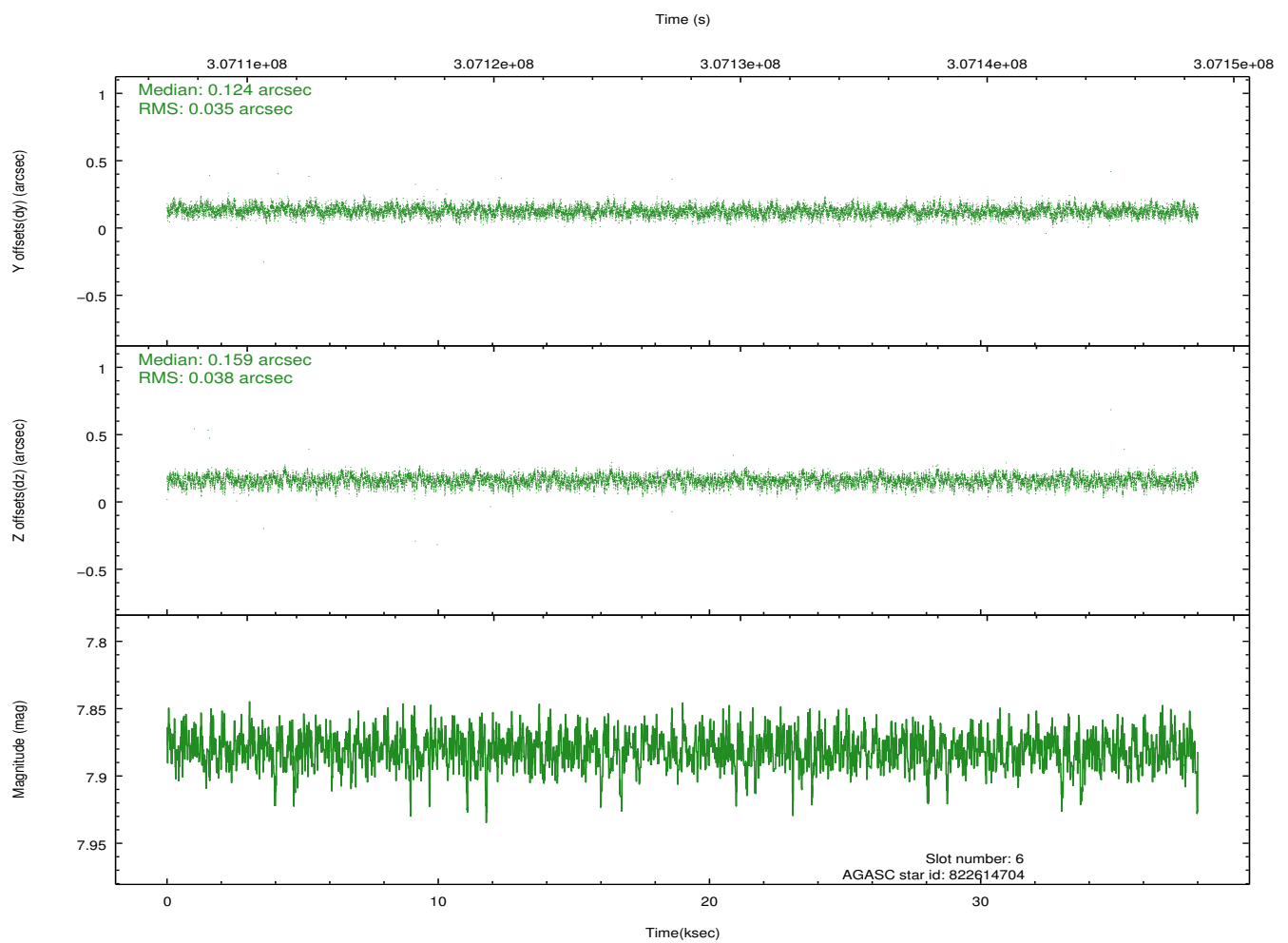
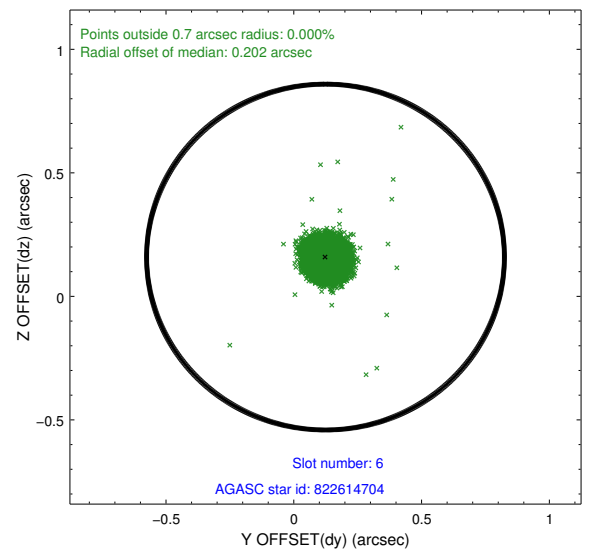
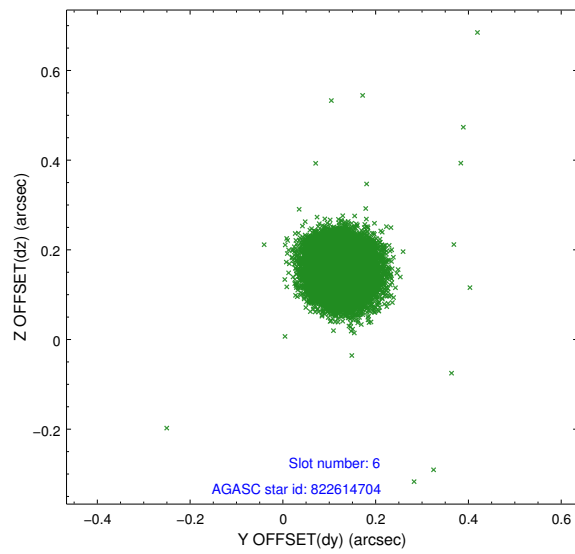
2.4.2 Slot 4



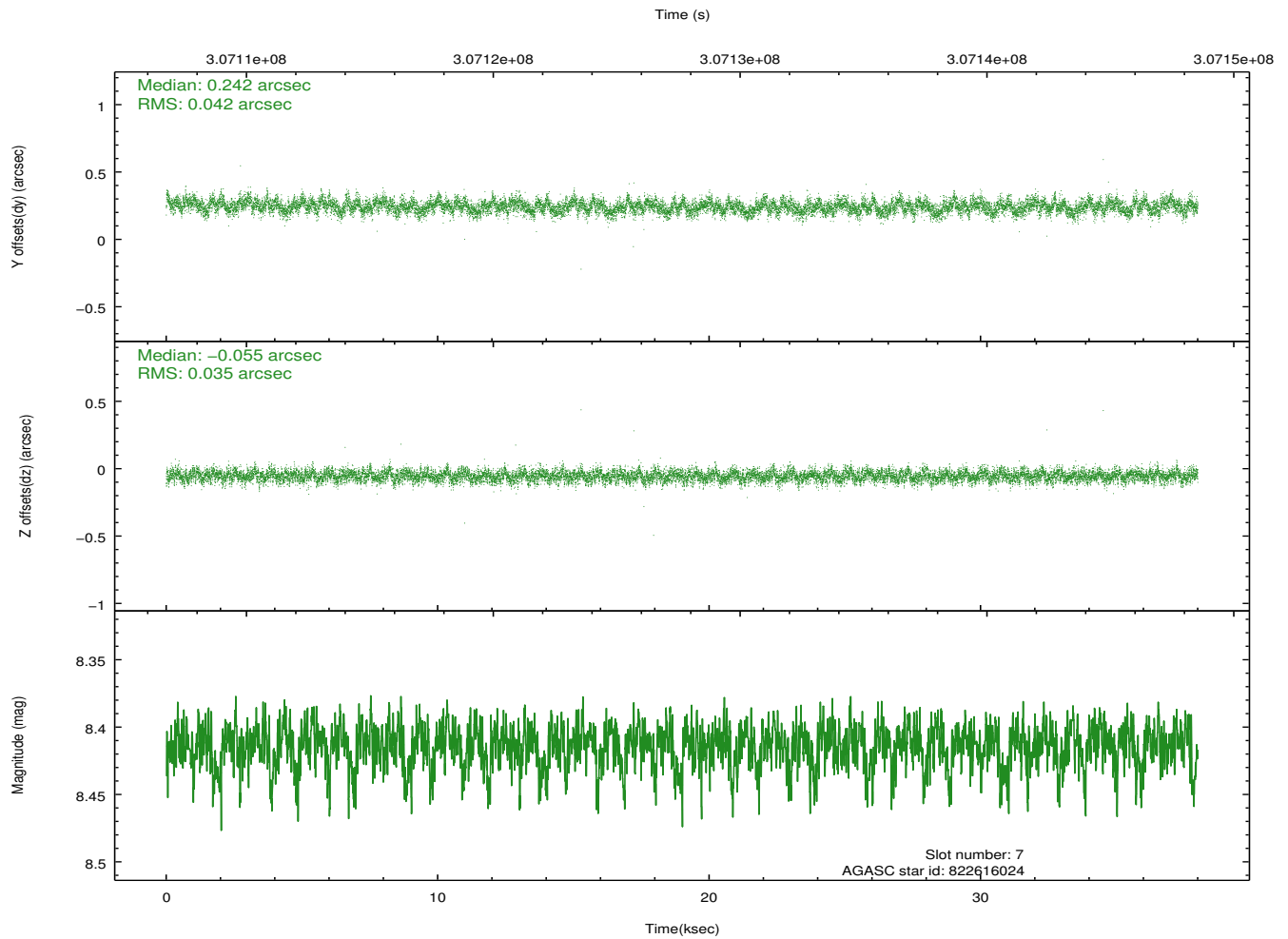
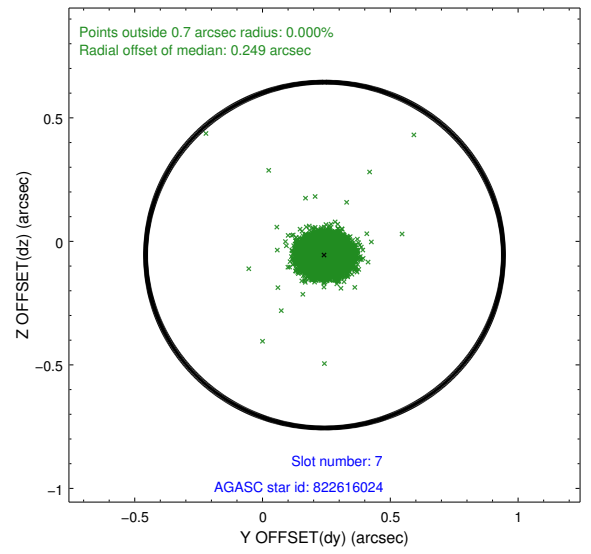
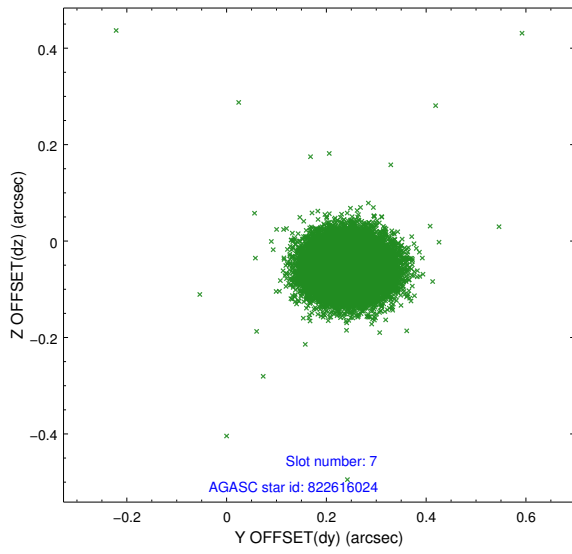
2.4.3 Slot 5



2.4.4 Slot 6

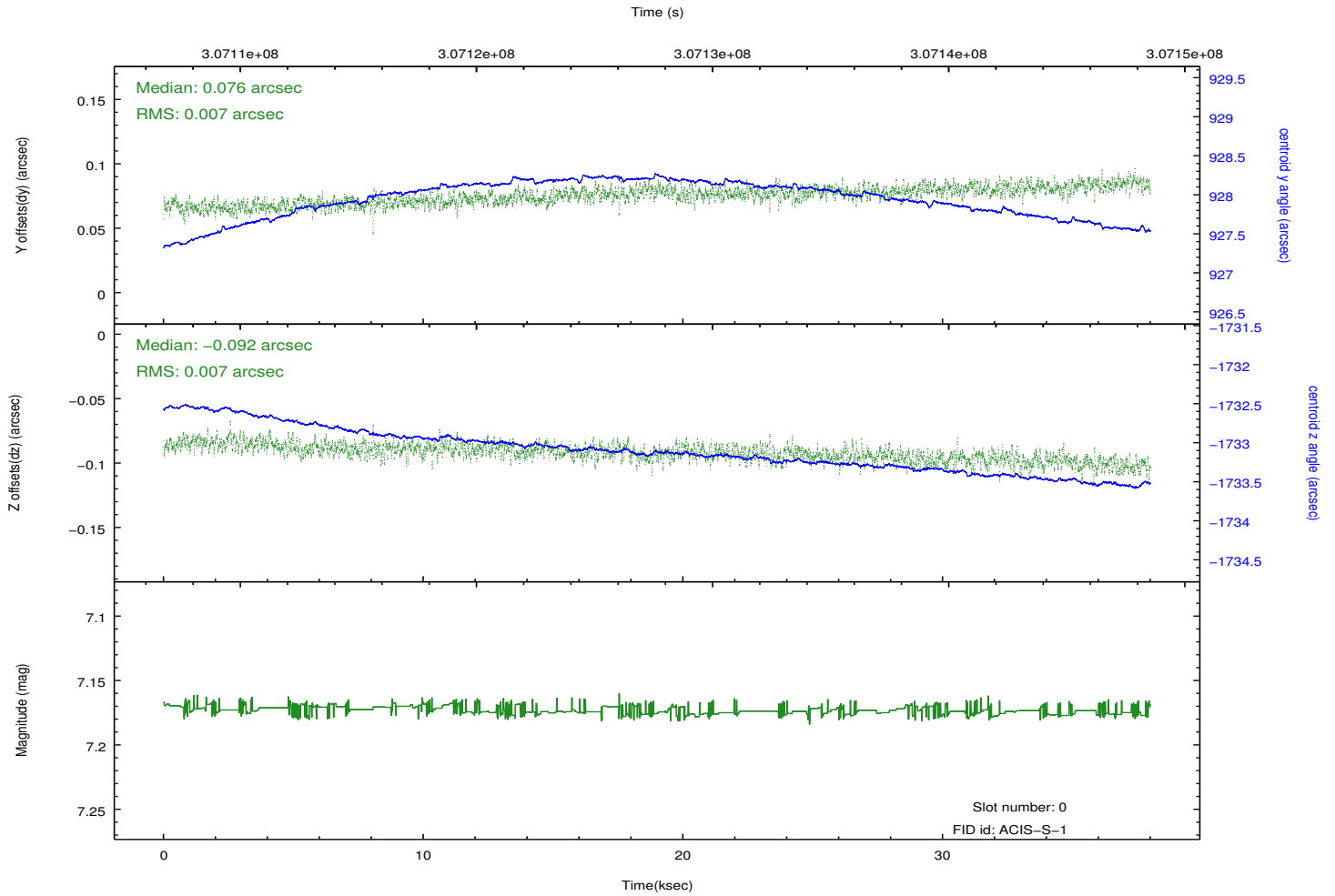
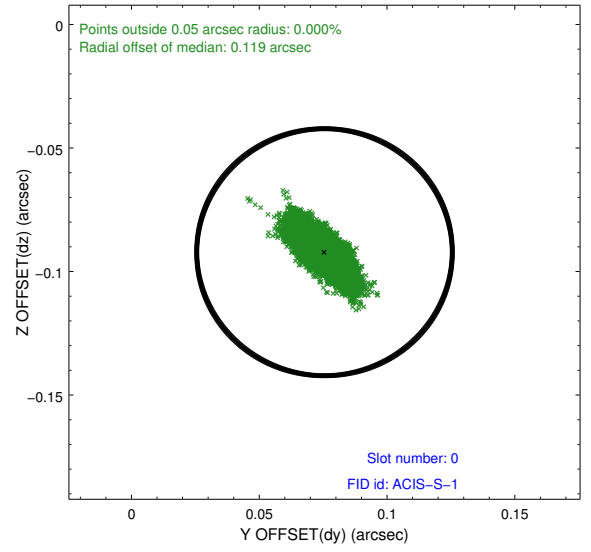
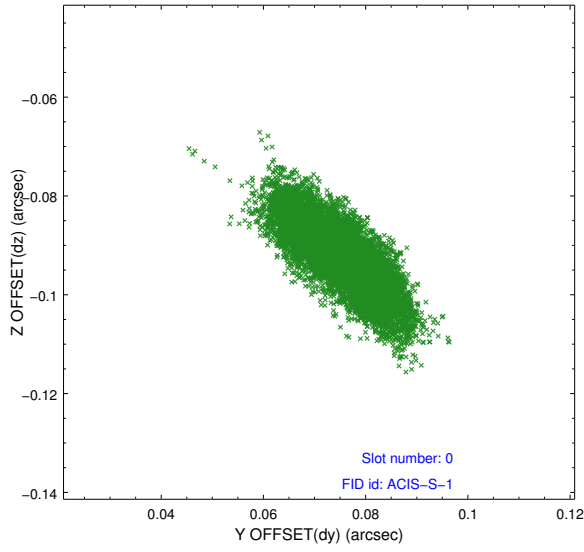


2.4.5 Slot 7

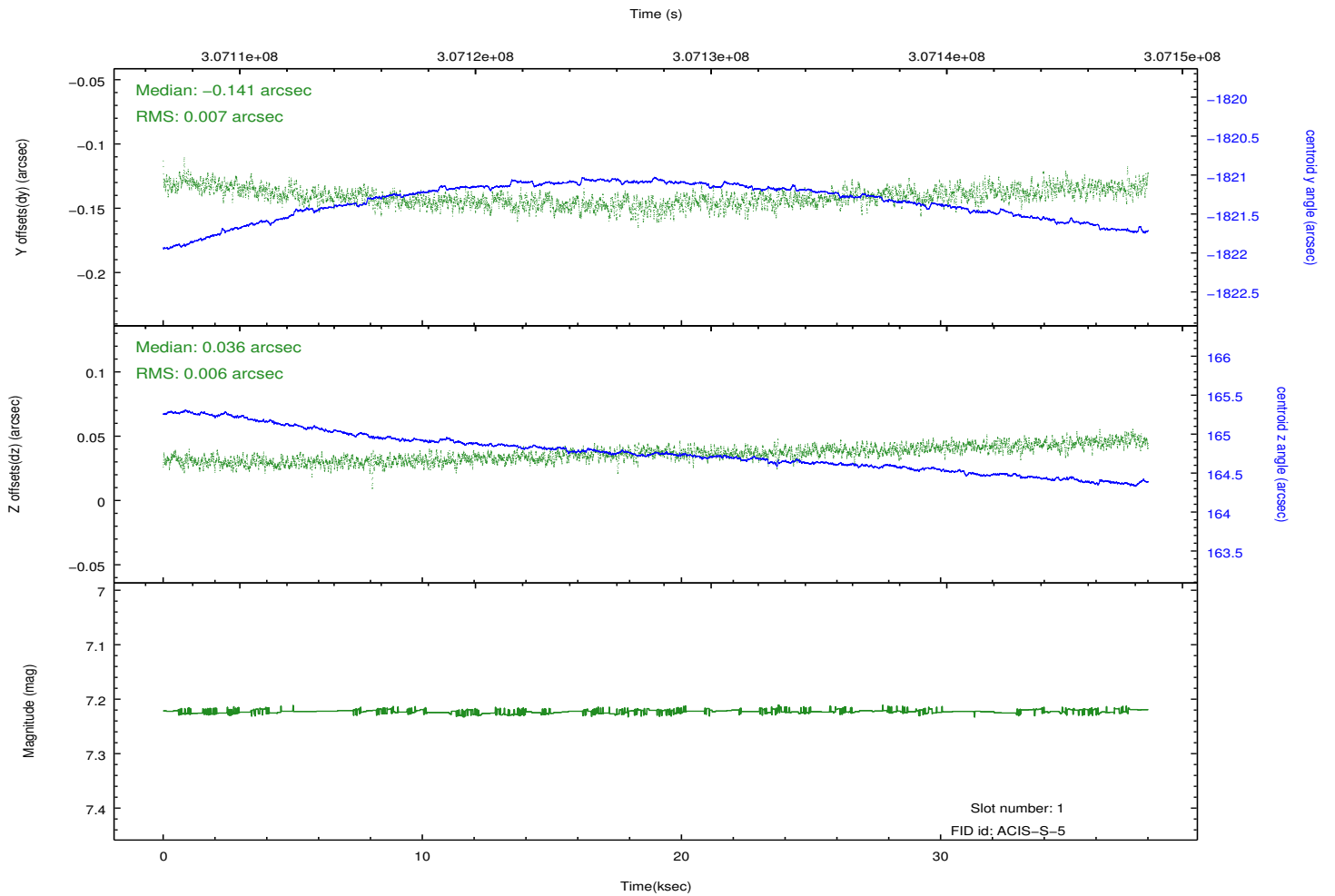
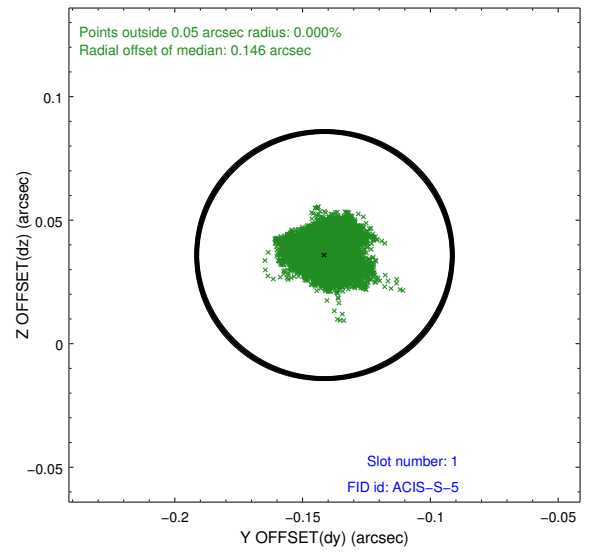
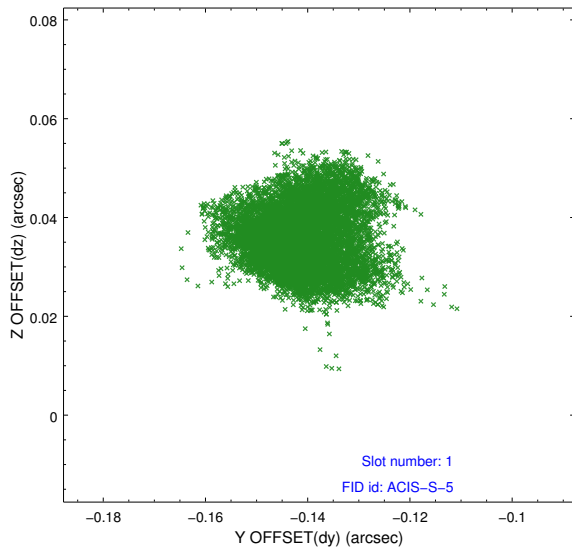


2.5 FID Slots

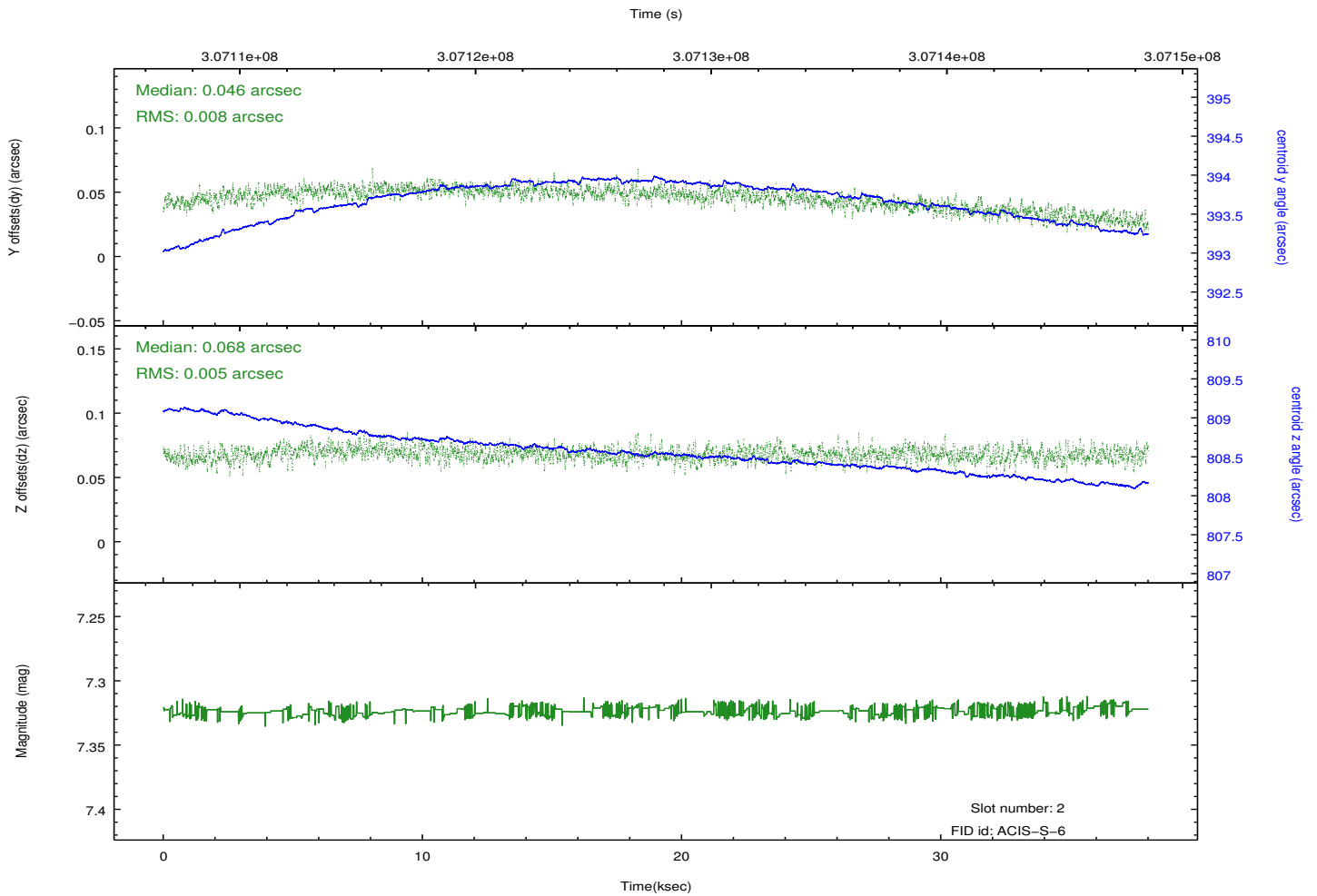
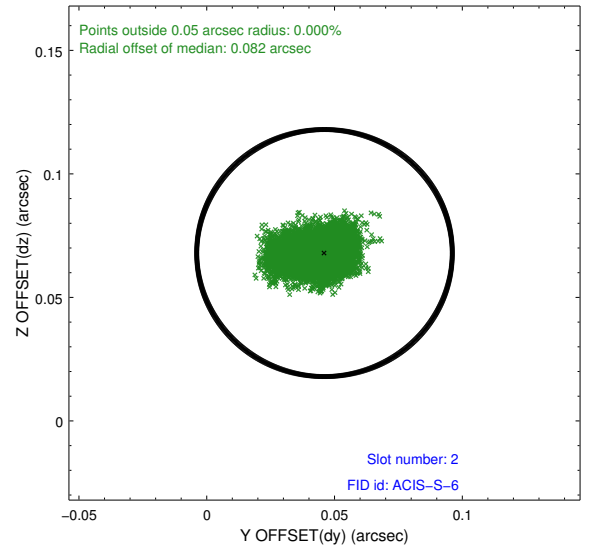
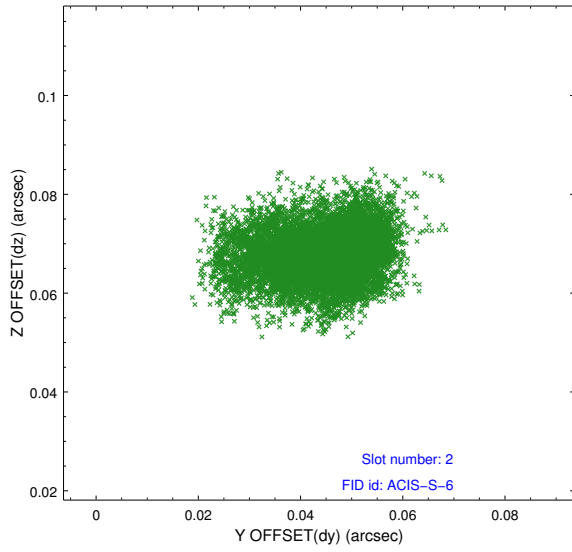
2.5.1 Slot 0



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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.9722445

A.2 Comments