

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4645 - L2 Version 4
Chandra X-Ray Center

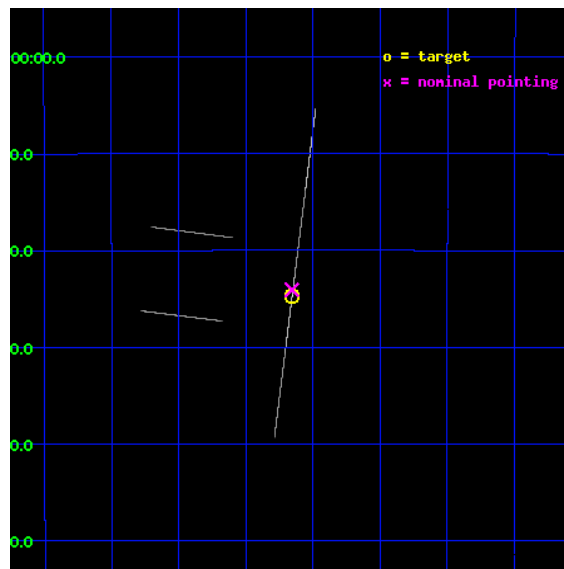
L2 Processing Date : Dec 1 2012

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1 Front

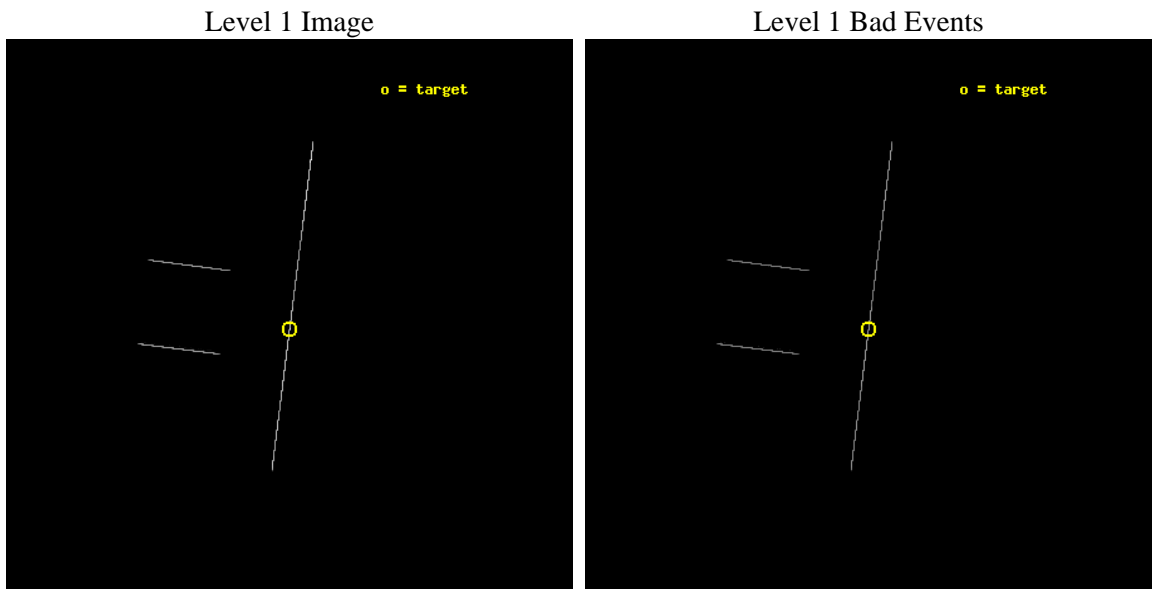
seq_num	500464	Sequence number
obs_id	4645	Observation id
title	ToO Observations of Soft Gamma Repeaters	Proposal title
observer	Dr. Peter Woods	Principal investigator
object	SGR 1806-20	Source name
ra_targ	272.16375	Observer's specified target RA [deg]
dec_targ	-20.410972	Observer's specified target Dec [deg]
ra_nom	272.16426815951	Nominal RA [deg]
dec_nom	-20.401298101487	Nominal Dec [deg]
roll_nom	97.195526969139	Nominal Roll [deg]
revision	4	Processing version of data
ontime	50174.75	Sum of GTIs [s]
livetime	49978.754882812	Livetime [s]
ontime2	50174.75	Sum of GTIs [s]
ontime3	50174.75	Sum of GTIs [s]
ontime5	50174.75	Sum of GTIs [s]
ontime6	50174.75	Sum of GTIs [s]
ontime7	50174.75	Sum of GTIs [s]
ontime8	50174.75	Sum of GTIs [s]
l2events	692774	Number of level 2 events



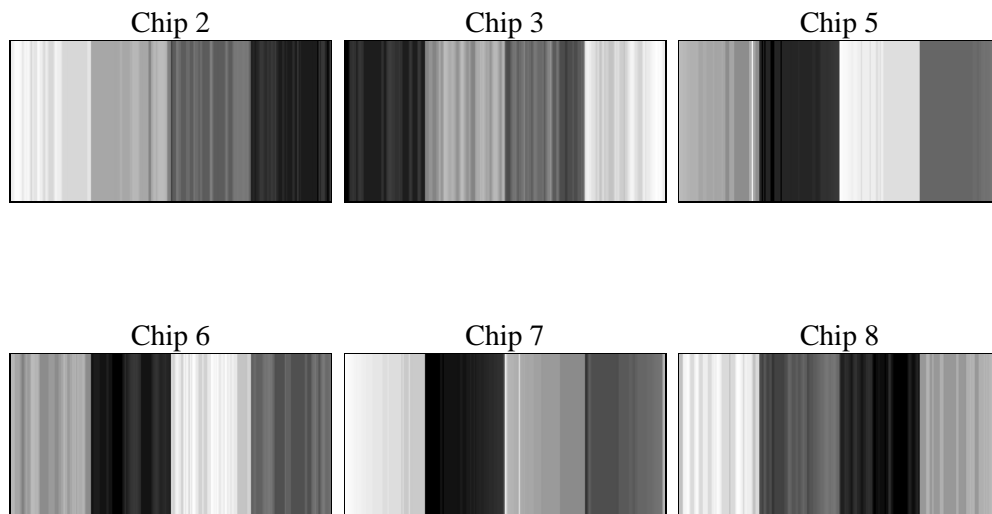
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	50000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	50174.75	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	50174.75	Sum of GTIs [s]
date	2012-12-01T18:30:33	Date and time of file creation	ontime3	50174.75	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	50174.75	Sum of GTIs [s]
			ontime6	50174.75	Sum of GTIs [s]
			ontime7	50174.75	Sum of GTIs [s]
			ontime8	50174.75	Sum of GTIs [s]
			l1events	1045947	Number of level 1 events

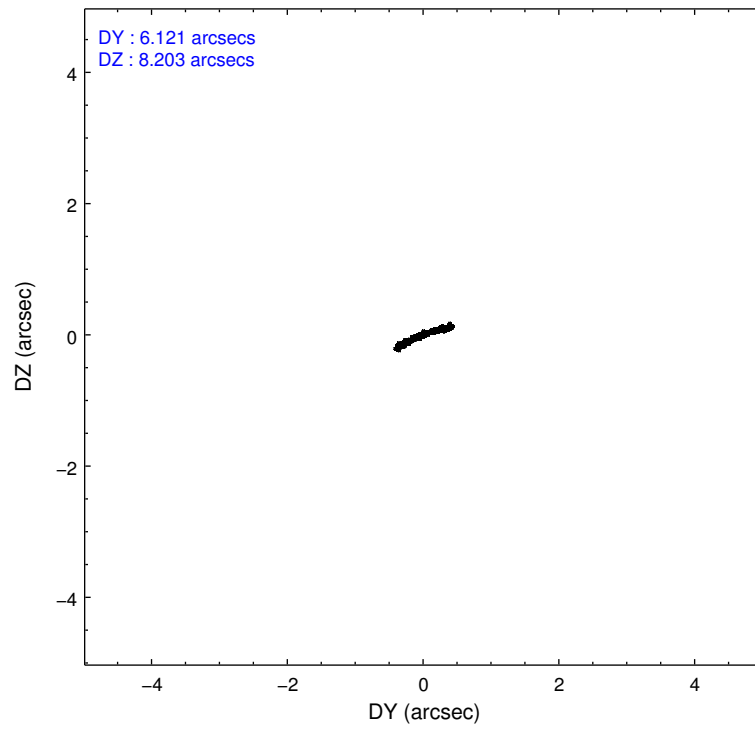
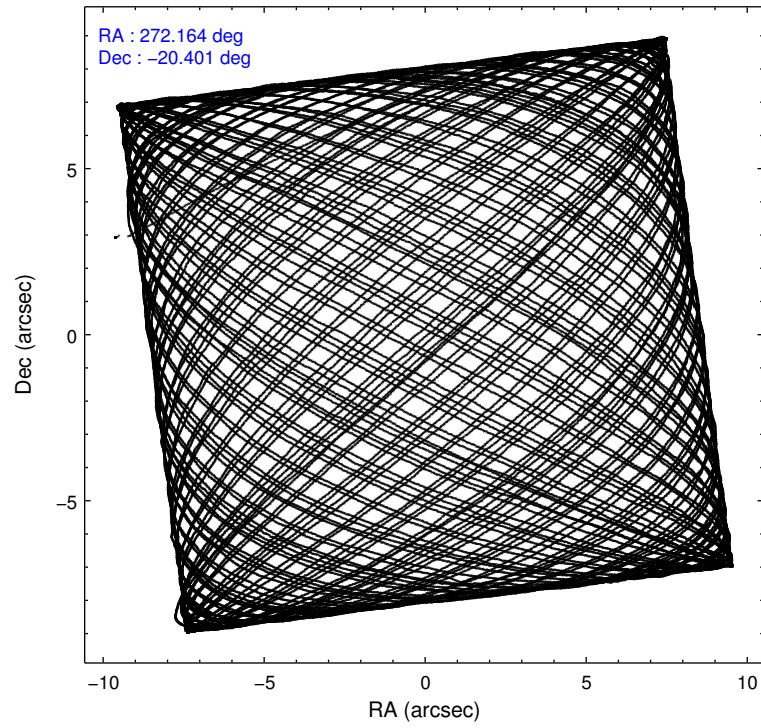
2.1.4 Events

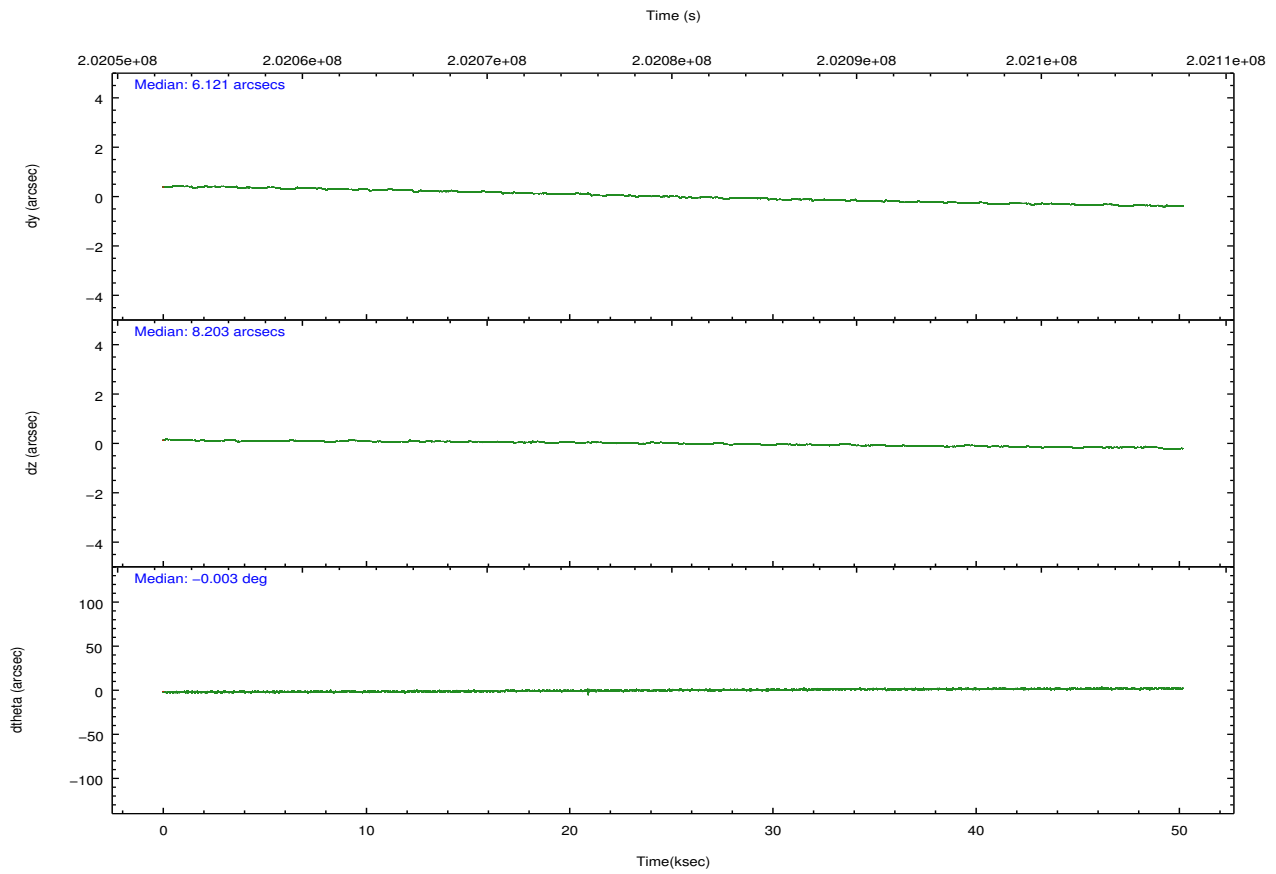
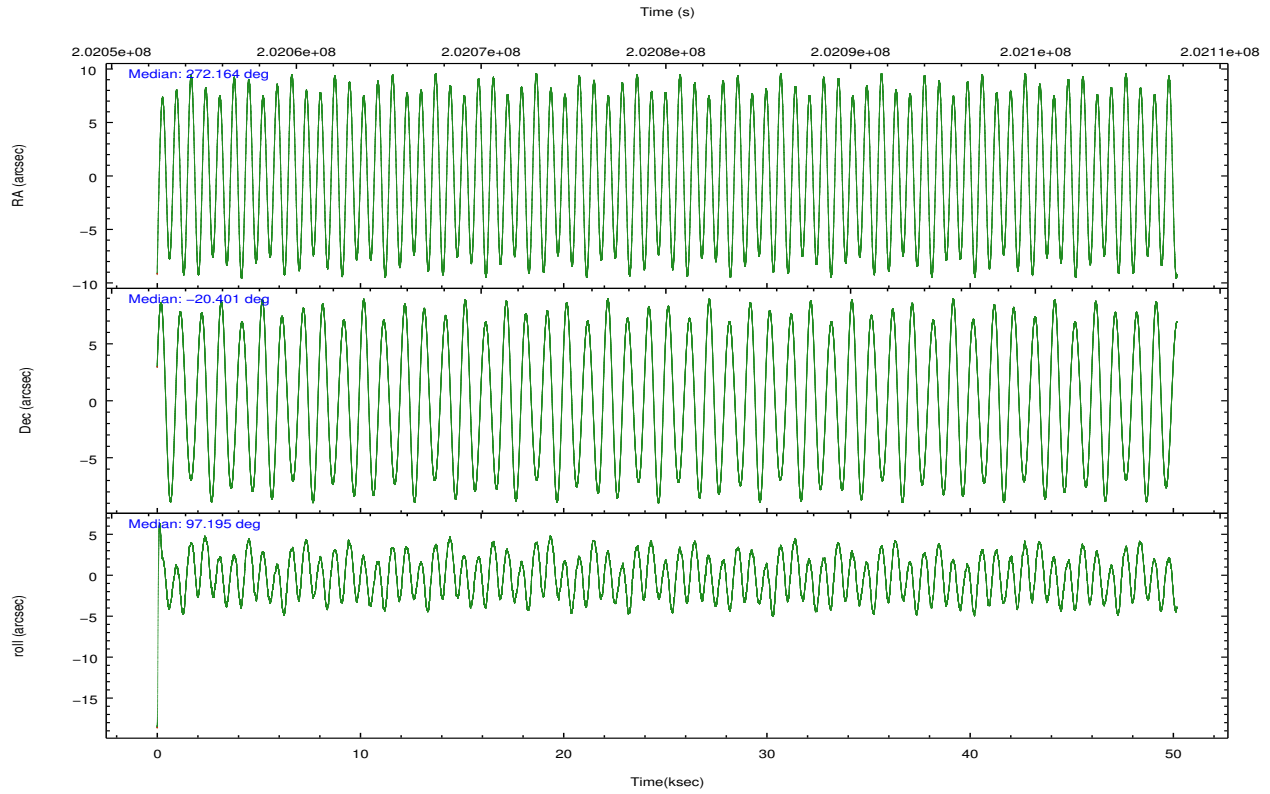
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	72440	80578	376824	81944	279328	154833	grade 0 events	8385	9343	93487	8099	25451	26121
rejected events	13071	14860	34400	15803	41784	21934		11%	11%	24%	9%	9%	16%
rejected %	18%	18%	9%	19%	14%	14%	grade 1 events	273	313	564	282	575	552
								0%	0%	0%	0%	0%	0%
							grade 2 events	23015	24604	92365	25946	59443	42998
								31%	30%	24%	31%	21%	27%
							grade 3 events	7610	9545	6907	8089	18382	14689
								10%	11%	1%	9%	6%	9%
							grade 4 events	7837	8190	6665	7964	18421	14350
								10%	10%	1%	9%	6%	9%
							grade 5 events	12739	14498	33540	15468	40983	21290
								17%	17%	8%	18%	14%	13%
							grade 6 events	12581	14085	143296	16096	116073	34833
								17%	17%	38%	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	272.182157	272.16426815951	Subarray requested	NONE	NONE
[deg] Pointing Dec	-20.422781	-20.40129810148679	Alternating exposures requested	N	N
[deg] Pointing Roll	97.045141	97.19552696913911	[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)	202055151.184000	202054557.45741			
Observation start date	2004-05-27T14:24:47	2004-05-27T14:15:57			
[s] Observation end time (MET)	202105151.184000	202106824.77222			
Observation end date	2004-05-28T04:18:07	2004-05-28T04:47:04			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



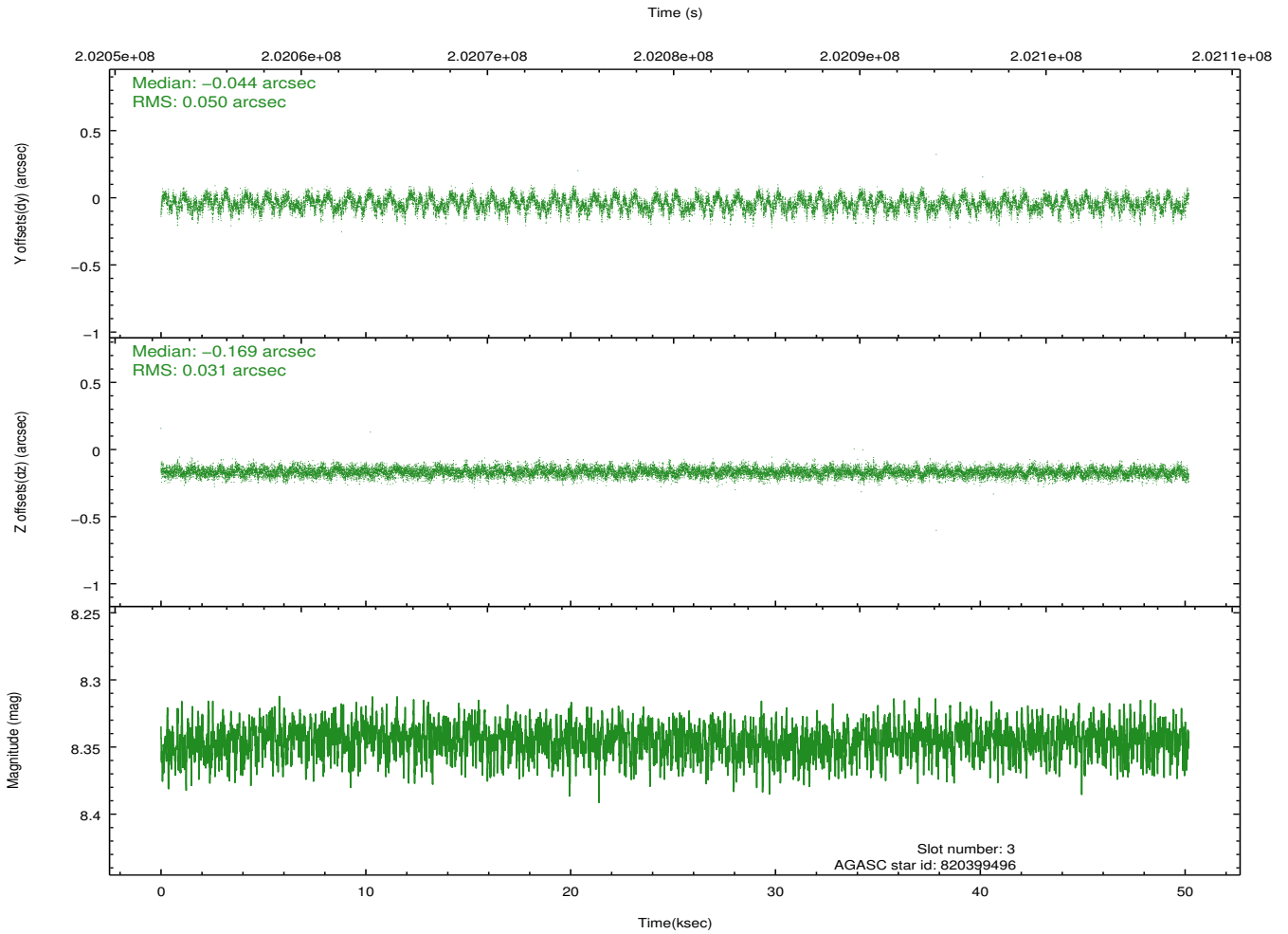
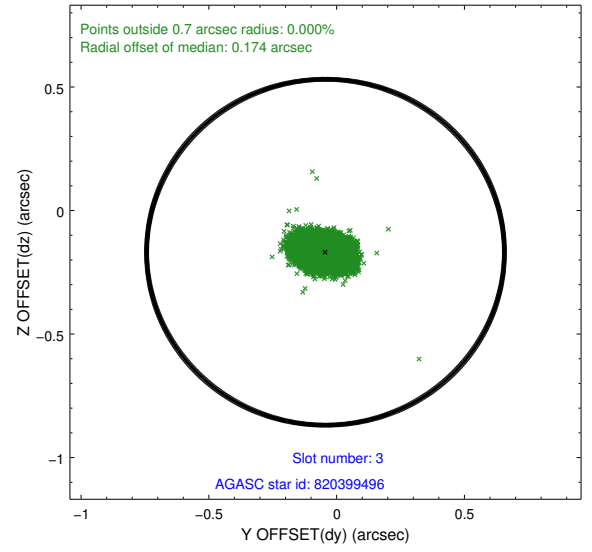
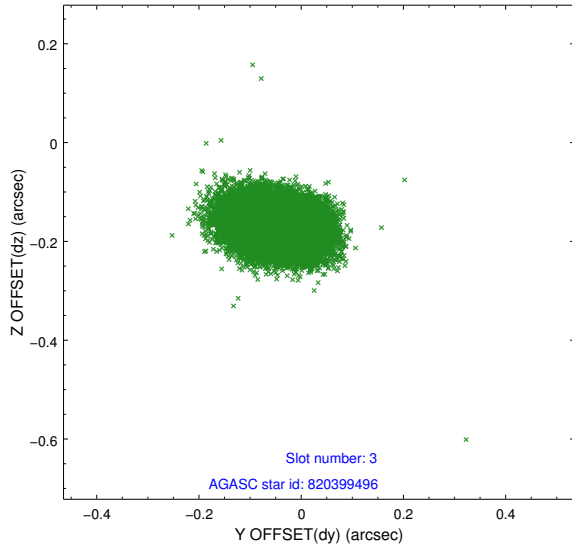


Slot Statistics

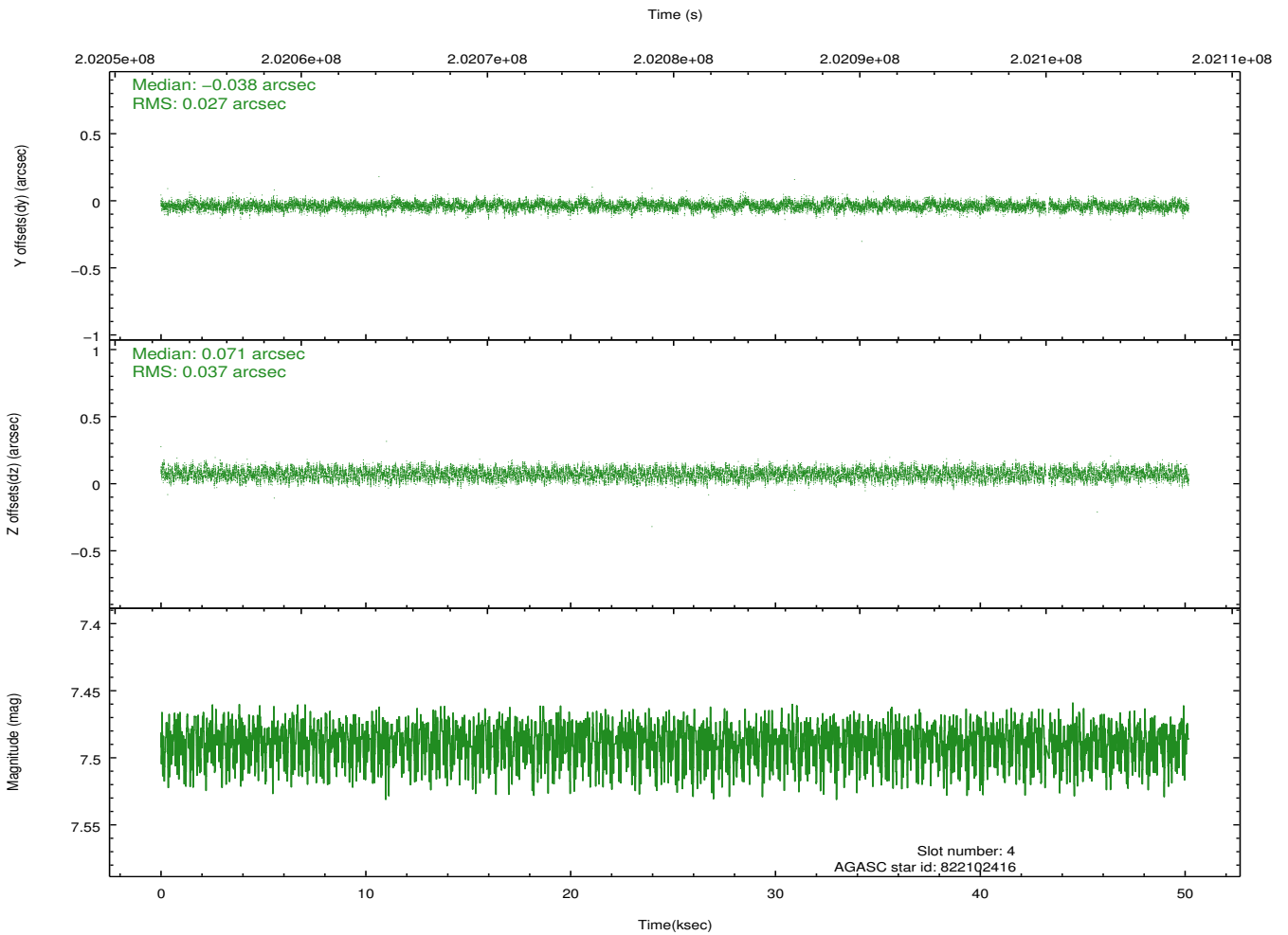
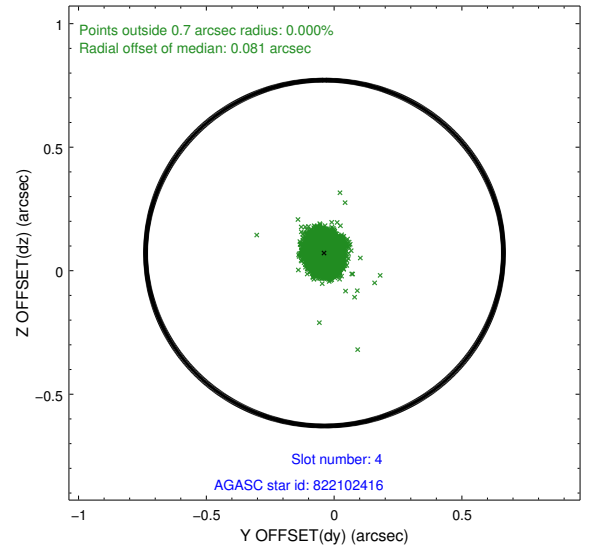
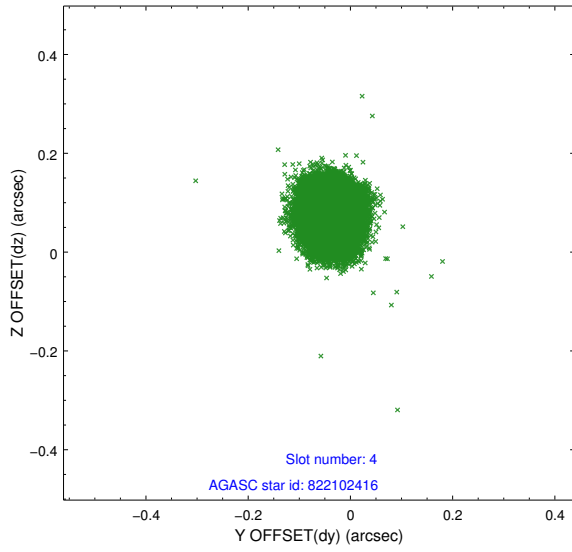
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	12239	0.045	-0.015	0.007	0.012	0.000000	0.000000	937.16	-1725.06
1	FID	ACIS-S-2	7.10	12238	-0.060	-0.013	0.007	0.011	0.000000	0.000000	-758.85	-1729.53
2	FID	ACIS-S-6	7.36	12240	-0.005	0.033	0.006	0.012	0.000000	0.000000	402.87	816.36
3	GUIDE	820399496	8.35	24468	-0.044	-0.169	0.062	0.102	271.495152	-19.953854	1955.82	2100.78
4	GUIDE	822102416	7.49	24407	-0.038	0.071	0.049	0.077	272.173216	-20.087156	1203.00	-117.92
5	GUIDE	822616024	8.41	24472	0.100	-0.133	0.059	0.094	272.218514	-20.919122	-1788.23	97.59
6	GUIDE	822617304	8.98	24464	0.040	0.146	0.064	0.103	272.421826	-20.831304	-1558.99	-619.66
7	GUIDE	822098736	8.50	24470	-0.060	0.084	0.071	0.115	272.269355	-19.875225	1920.03	-534.57

2.4 Star Slots

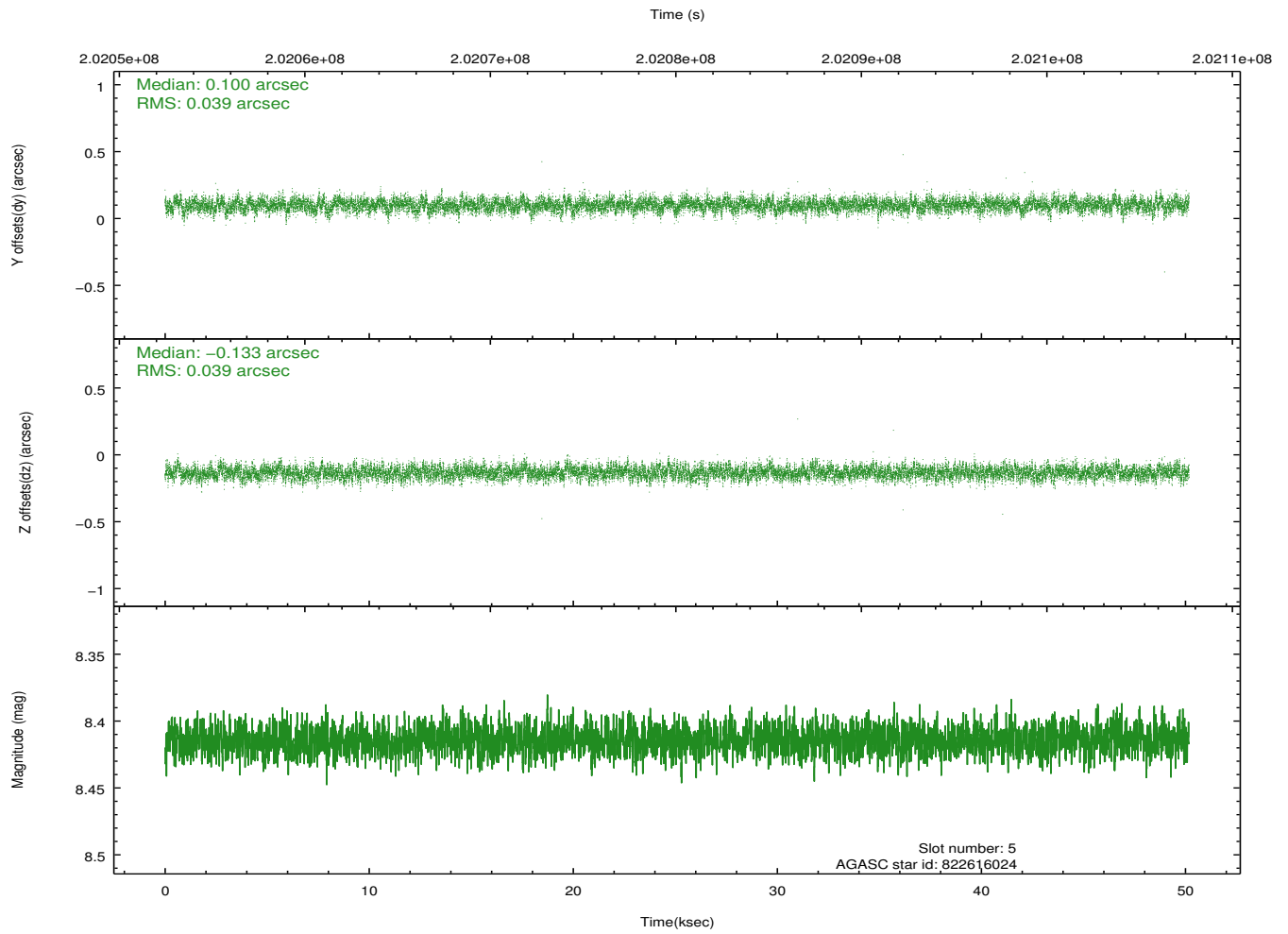
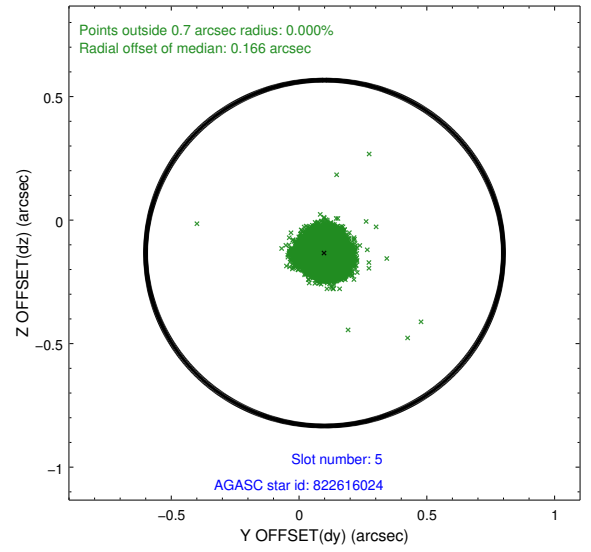
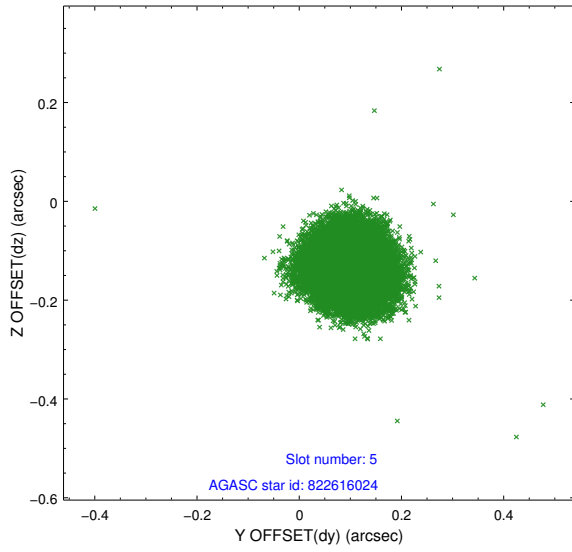
2.4.1 Slot 3



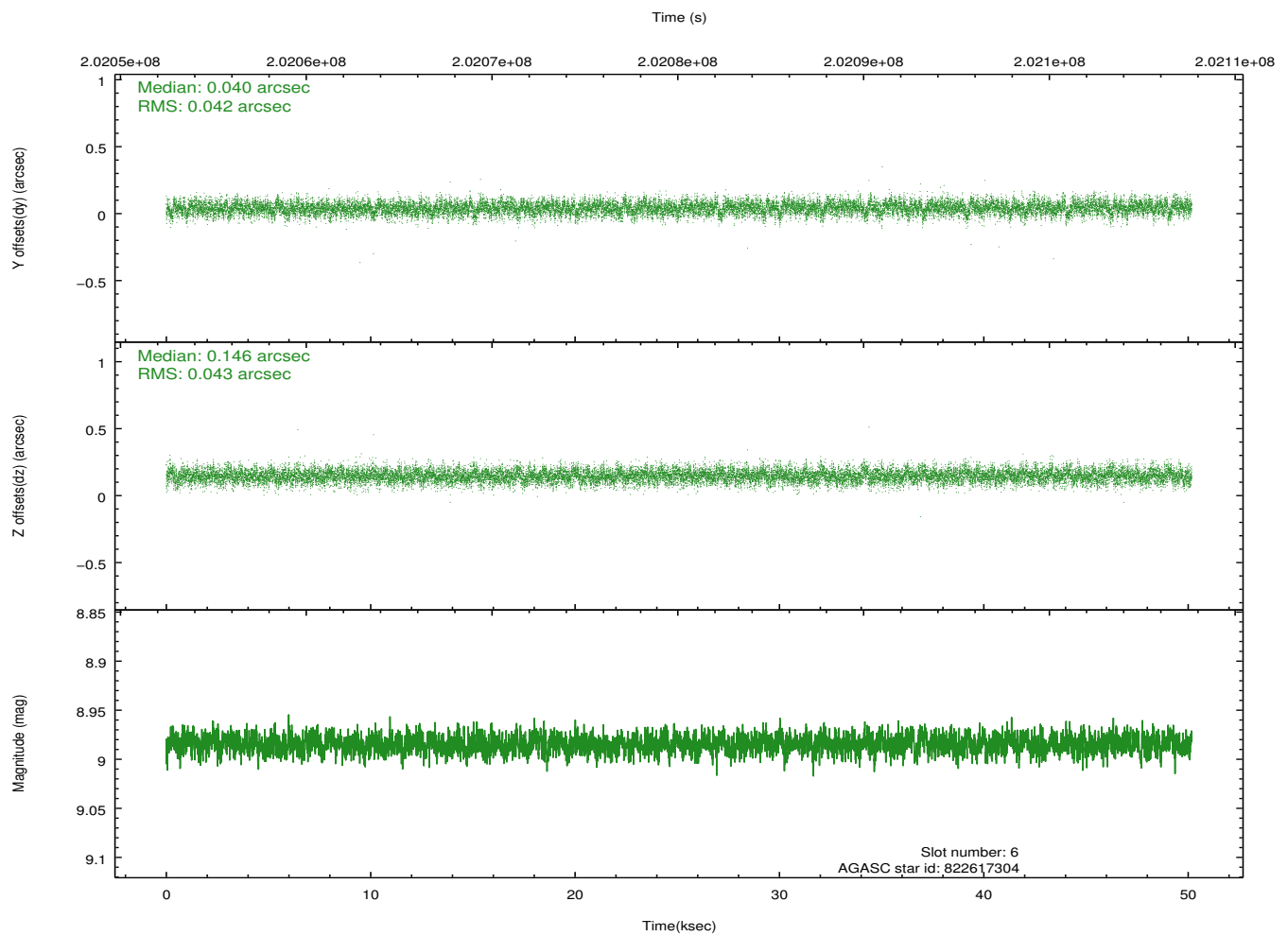
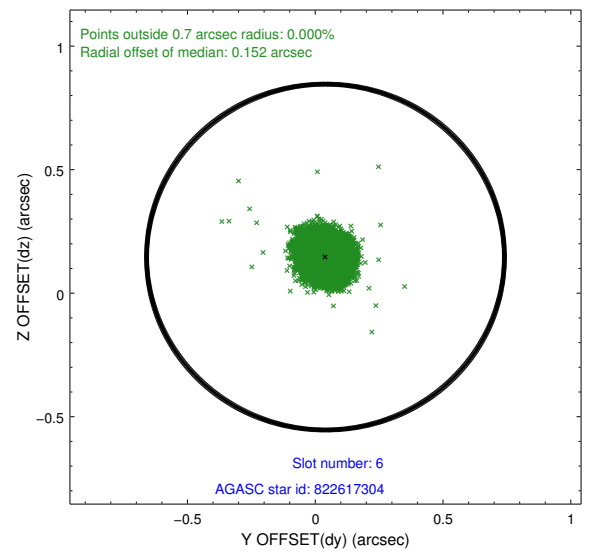
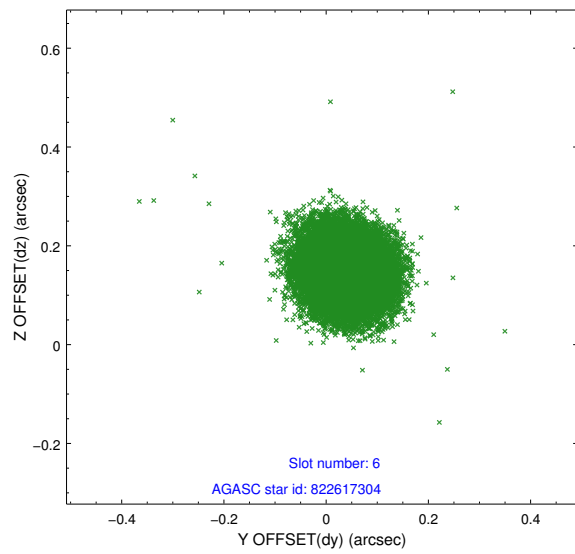
2.4.2 Slot 4



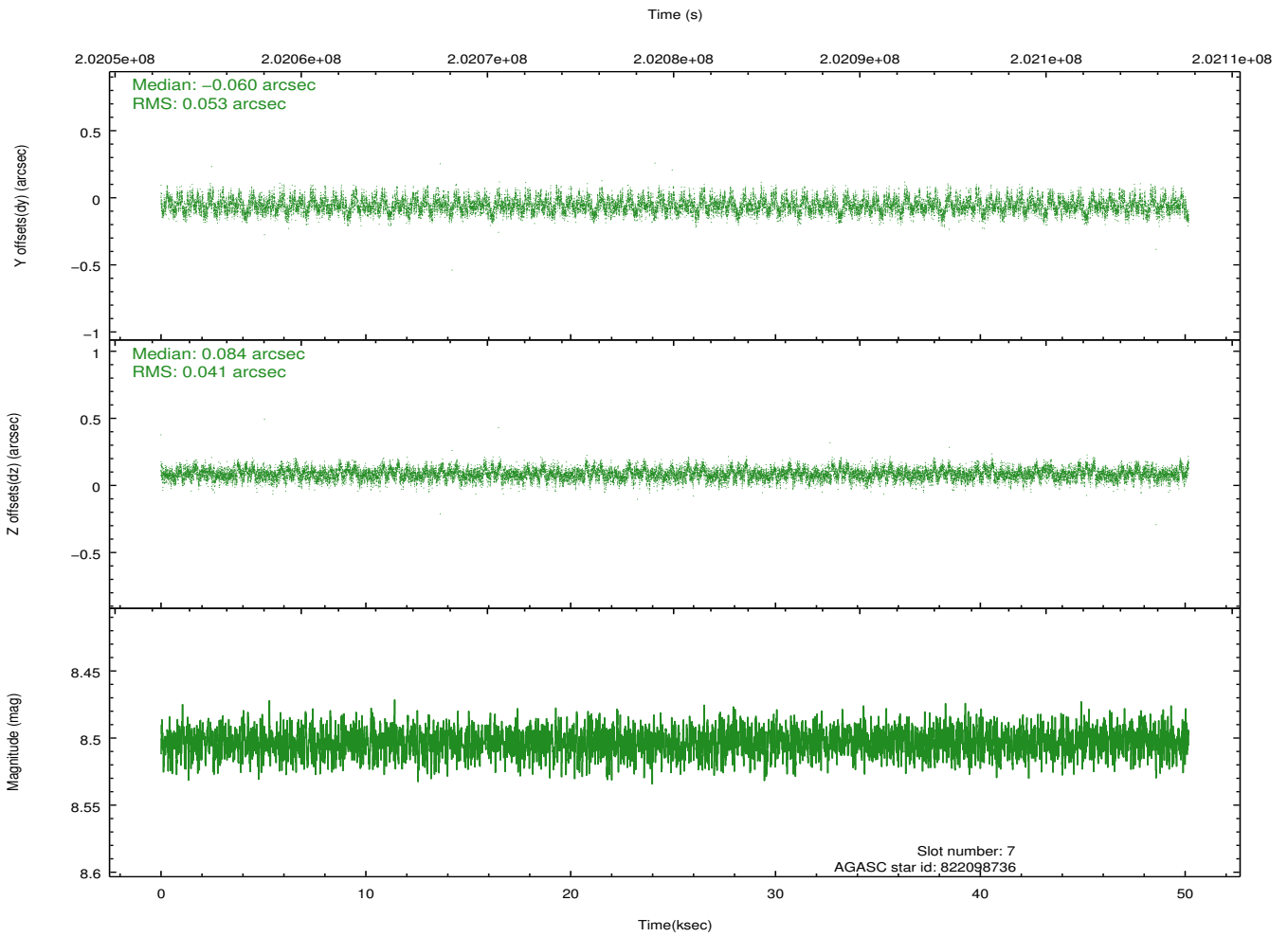
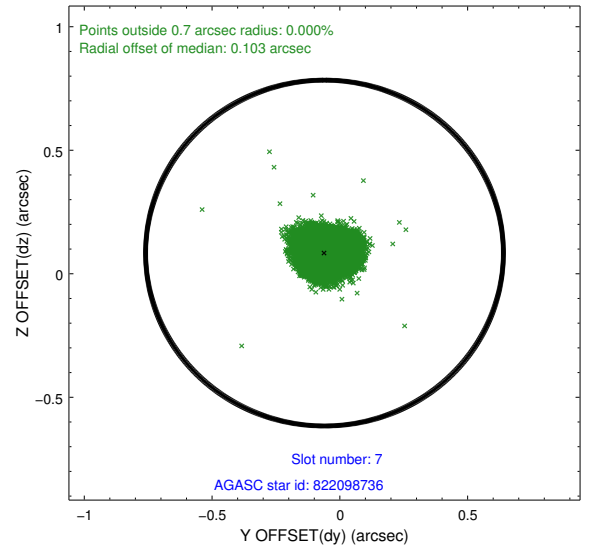
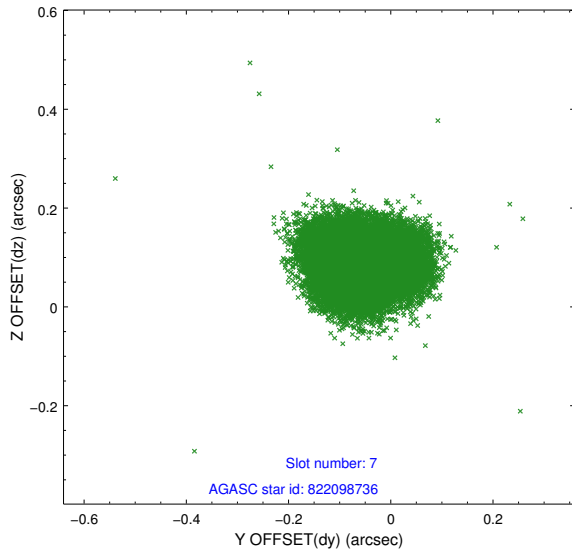
2.4.3 Slot 5



2.4.4 Slot 6

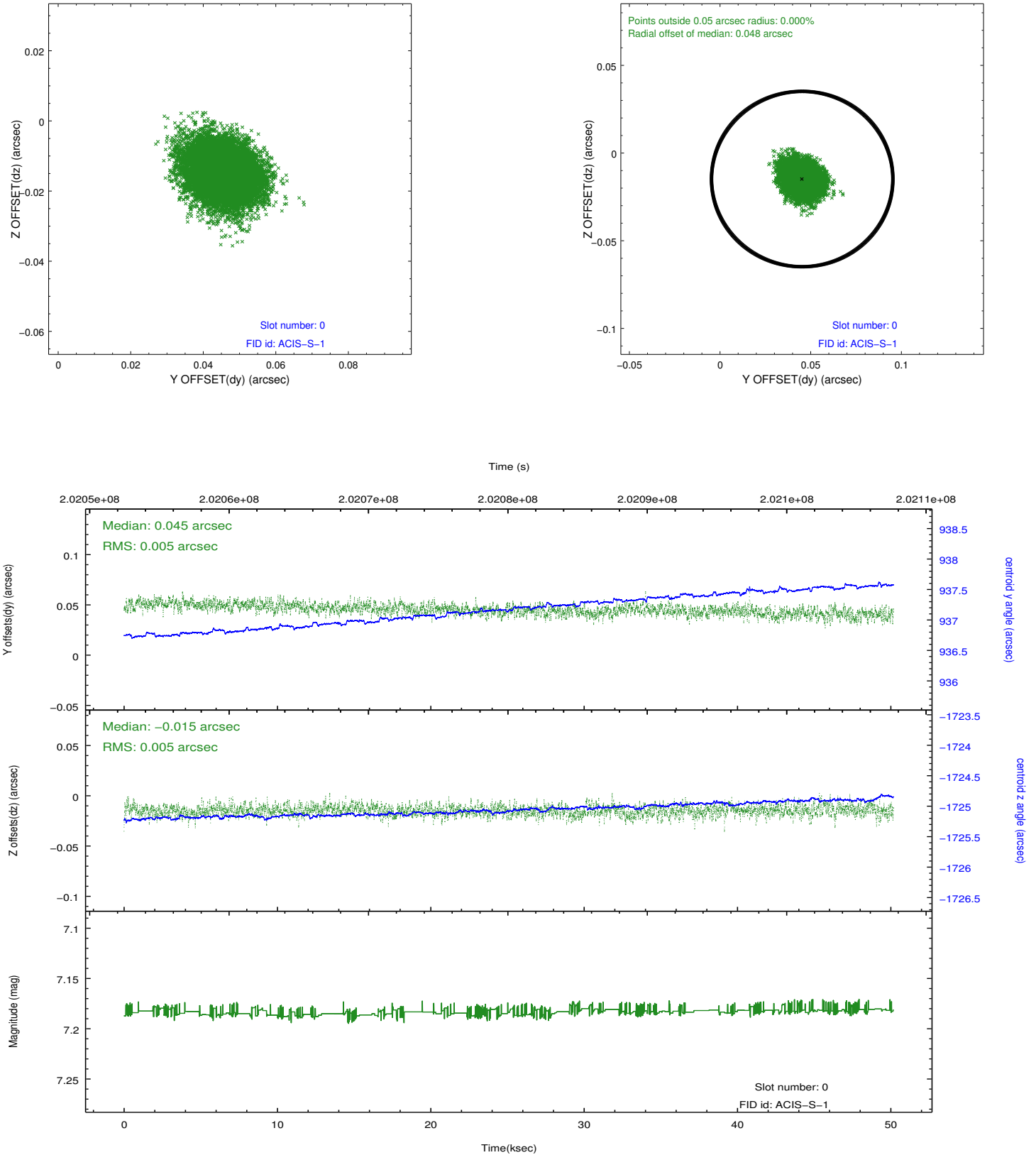


2.4.5 Slot 7

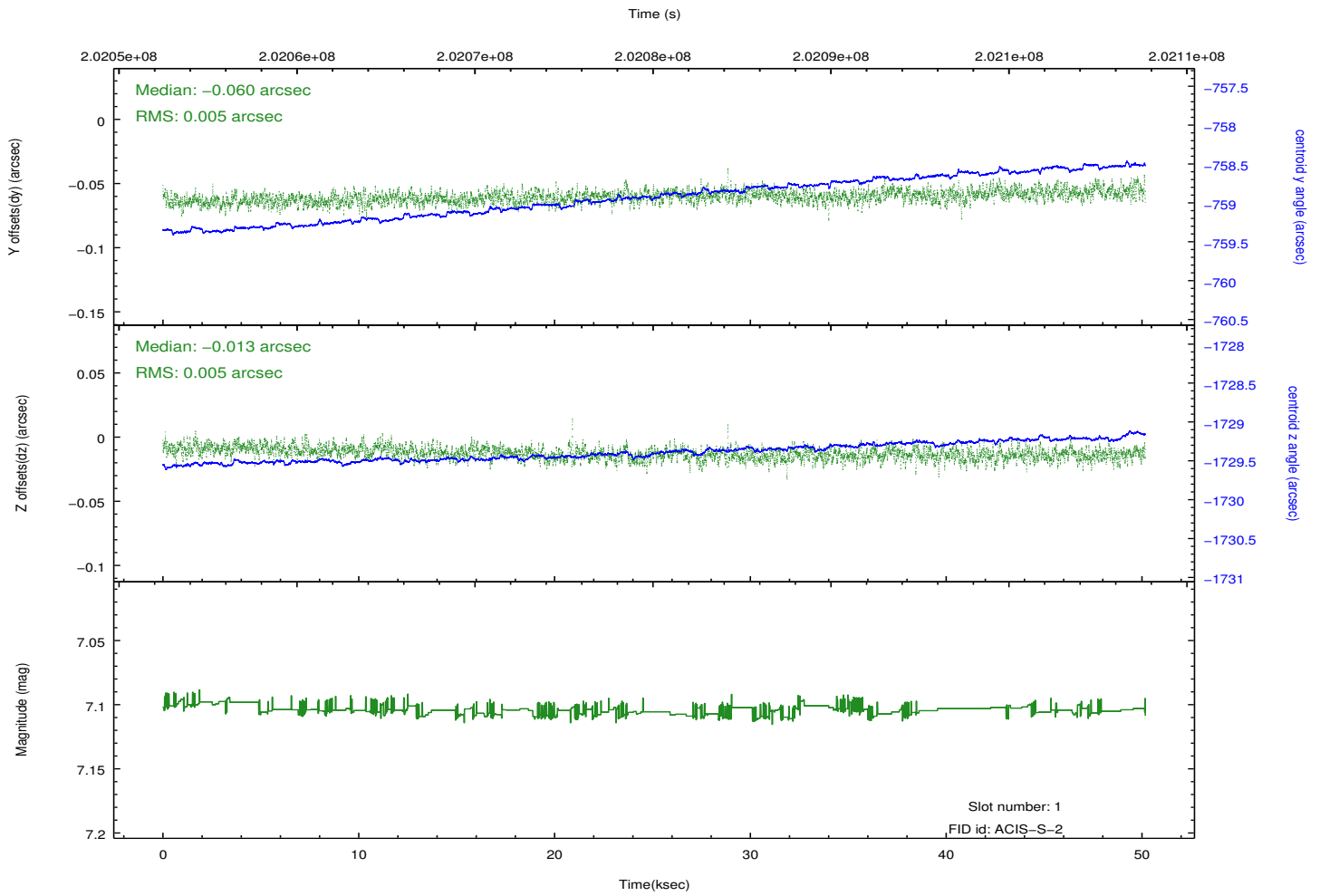
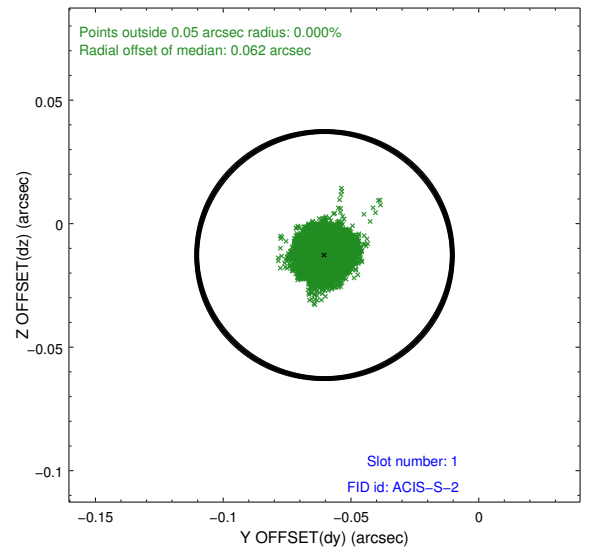
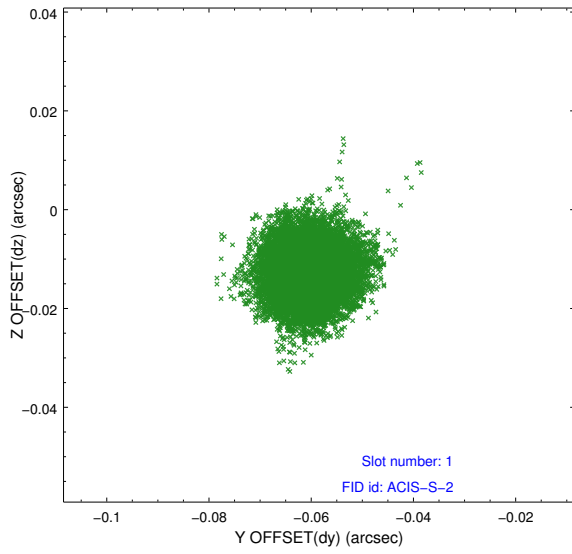


2.5 FID Slots

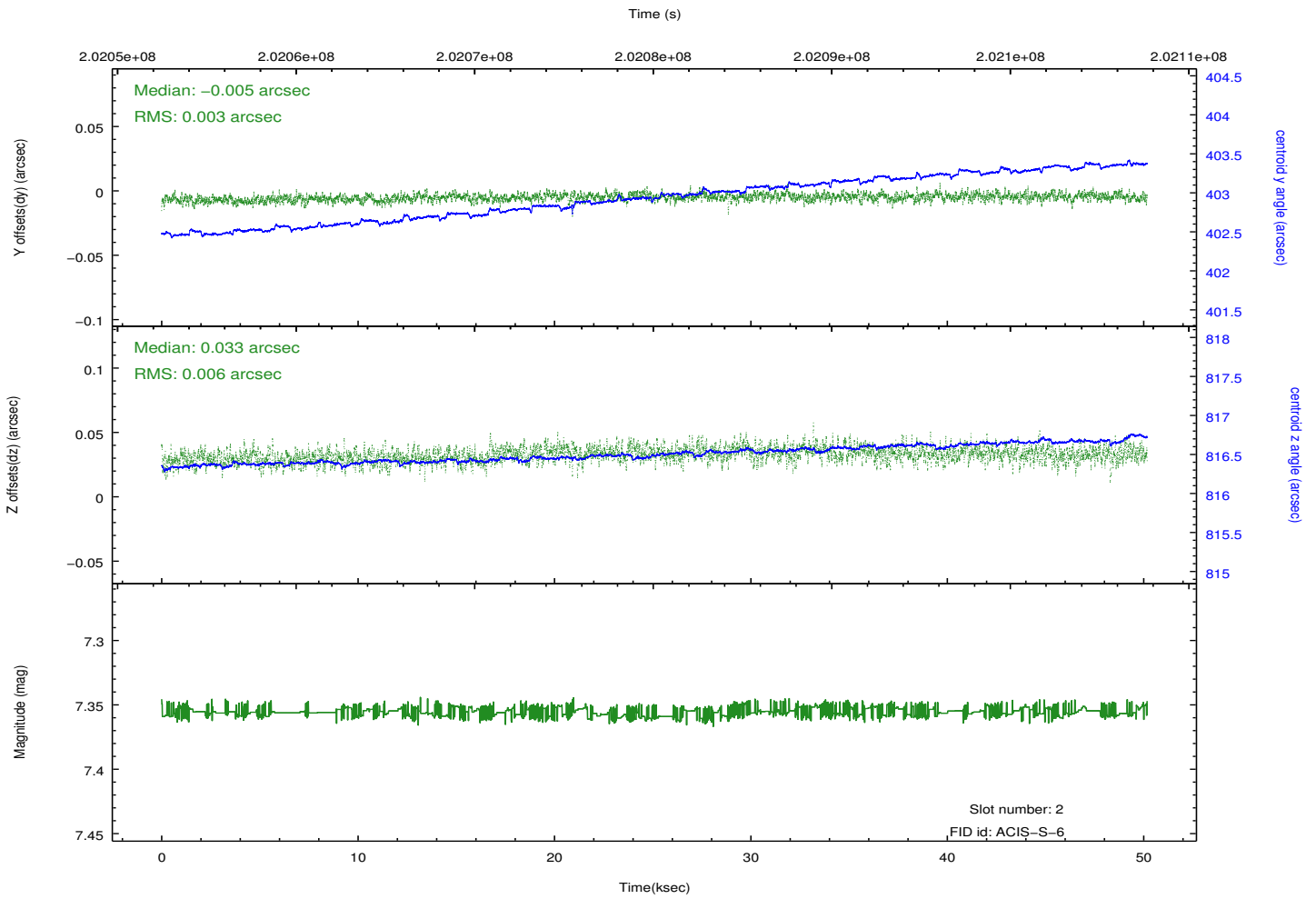
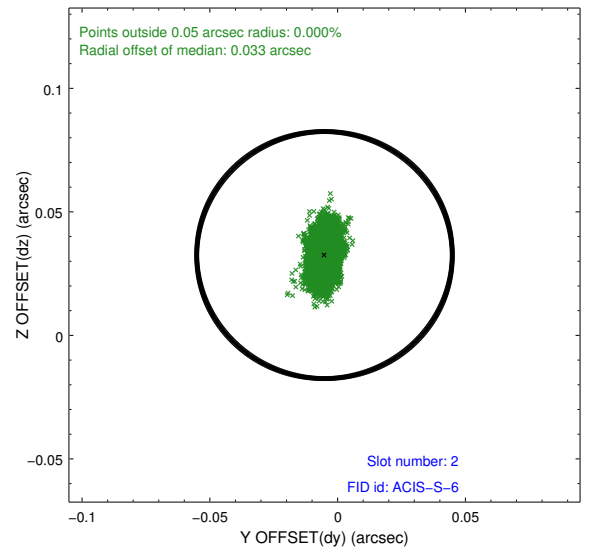
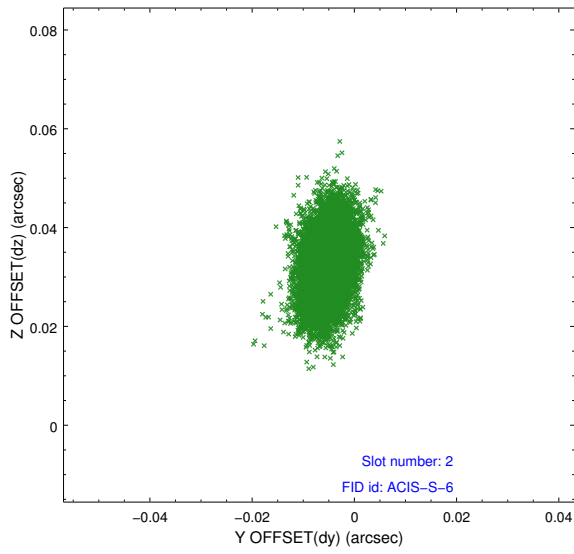
2.5.1 Slot 0



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)	2012.12.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.178

A.2 Comments