

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4510 - L2 Version 3
Chandra X-Ray Center

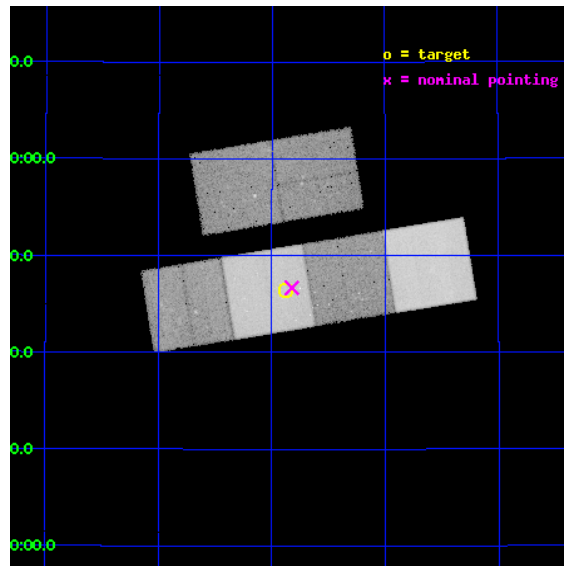
L2 Processing Date : Dec 3 2012

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1 Front

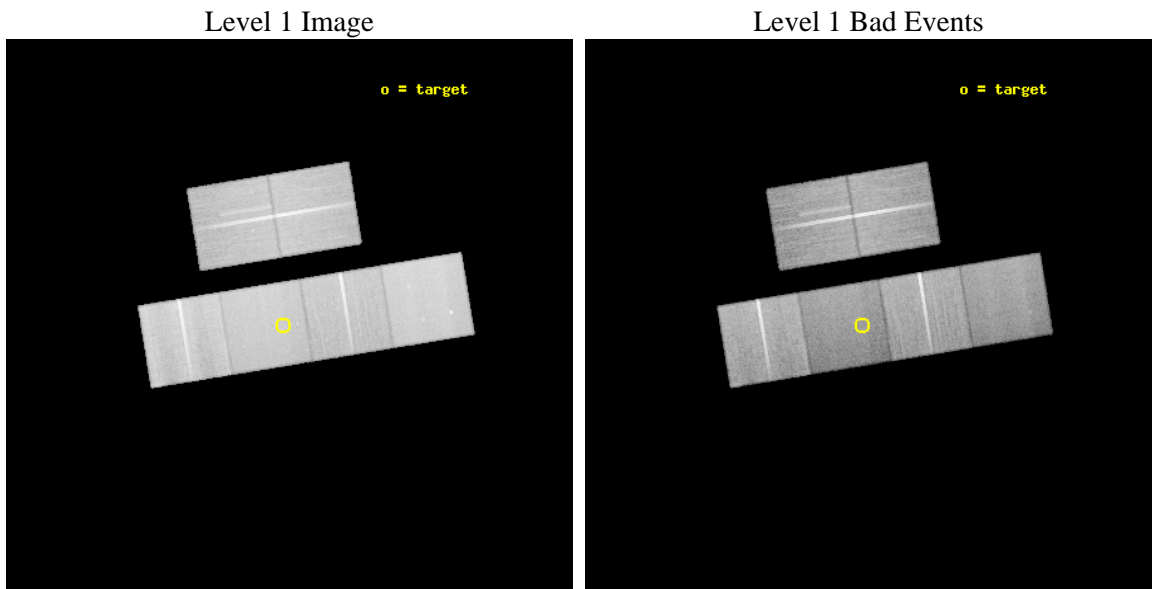
seq_num	200279	Sequence number
obs_id	4510	Observation id
title	Looking for binaries in the oldest open clusters	Proposal title
observer	Dr Maureen van den Berg	Principal investigator
object	NGC6791	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	290.220833	Observer's specified target RA [deg]
dec_targ	37.774167	Observer's specified target Dec [deg]
ra_nom	290.20574851808	Nominal RA [deg]
dec_nom	37.777857293701	Nominal Dec [deg]
roll_nom	170.65073787983	Nominal Roll [deg]
revision	3	Processing version of data
ontime	48783.999818265	Sum of GTIs [s]
livetime	48166.267438368	Livetime [s]
ontime2	48780.758957535	Sum of GTIs [s]
ontime3	48767.79489705	Sum of GTIs [s]
ontime5	48783.999818265	Sum of GTIs [s]
ontime6	48780.758847982	Sum of GTIs [s]
ontime7	48783.999818265	Sum of GTIs [s]
ontime8	48780.75891763	Sum of GTIs [s]
l2events	469229	Number of level 2 events



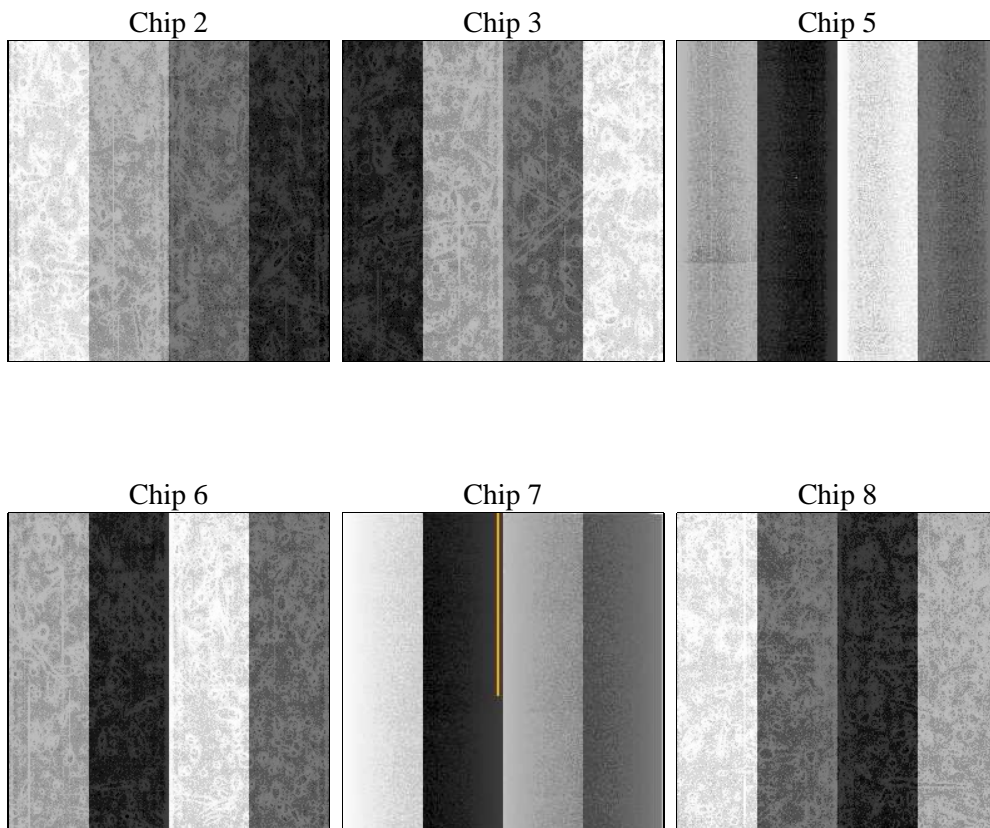
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	48826.087000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	48783.999818265	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	48780.758957535	Sum of GTIs [s]
date	2012-12-03T21:00:37	Date and time of file creation	ontime3	48767.79489705	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	48783.999818265	Sum of GTIs [s]
			ontime6	48780.758847982	Sum of GTIs [s]
			ontime7	48783.999818265	Sum of GTIs [s]
			ontime8	48780.75891763	Sum of GTIs [s]
			l1events	2062179	Number of level 1 events

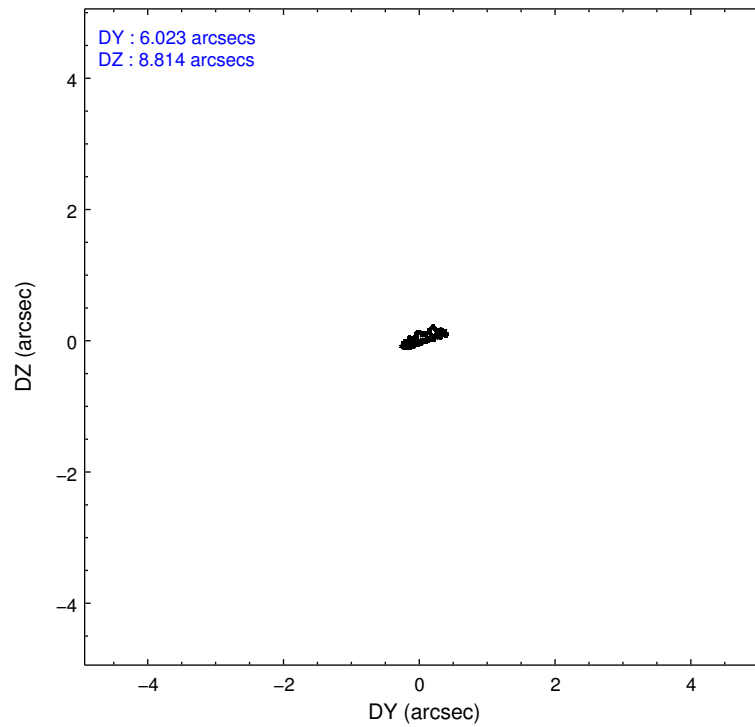
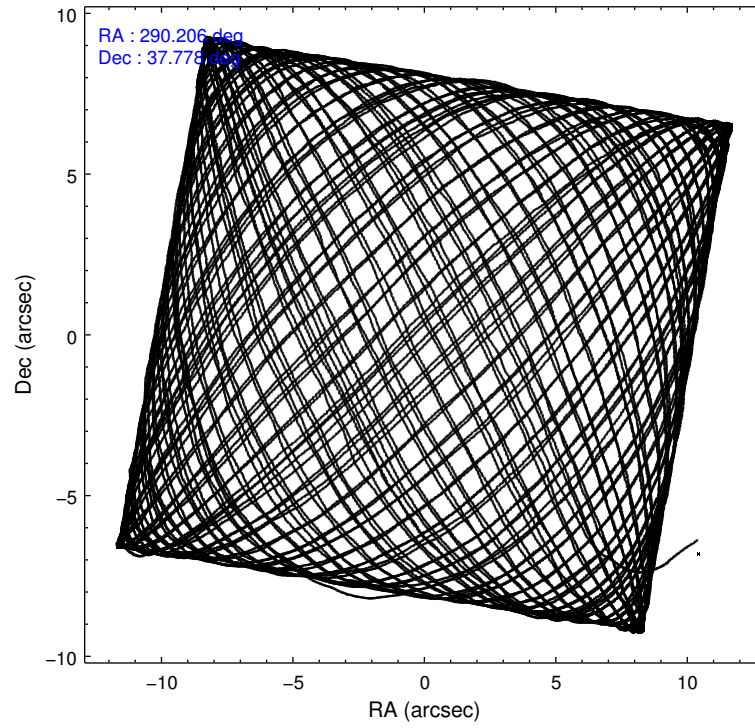
2.1.4 Events

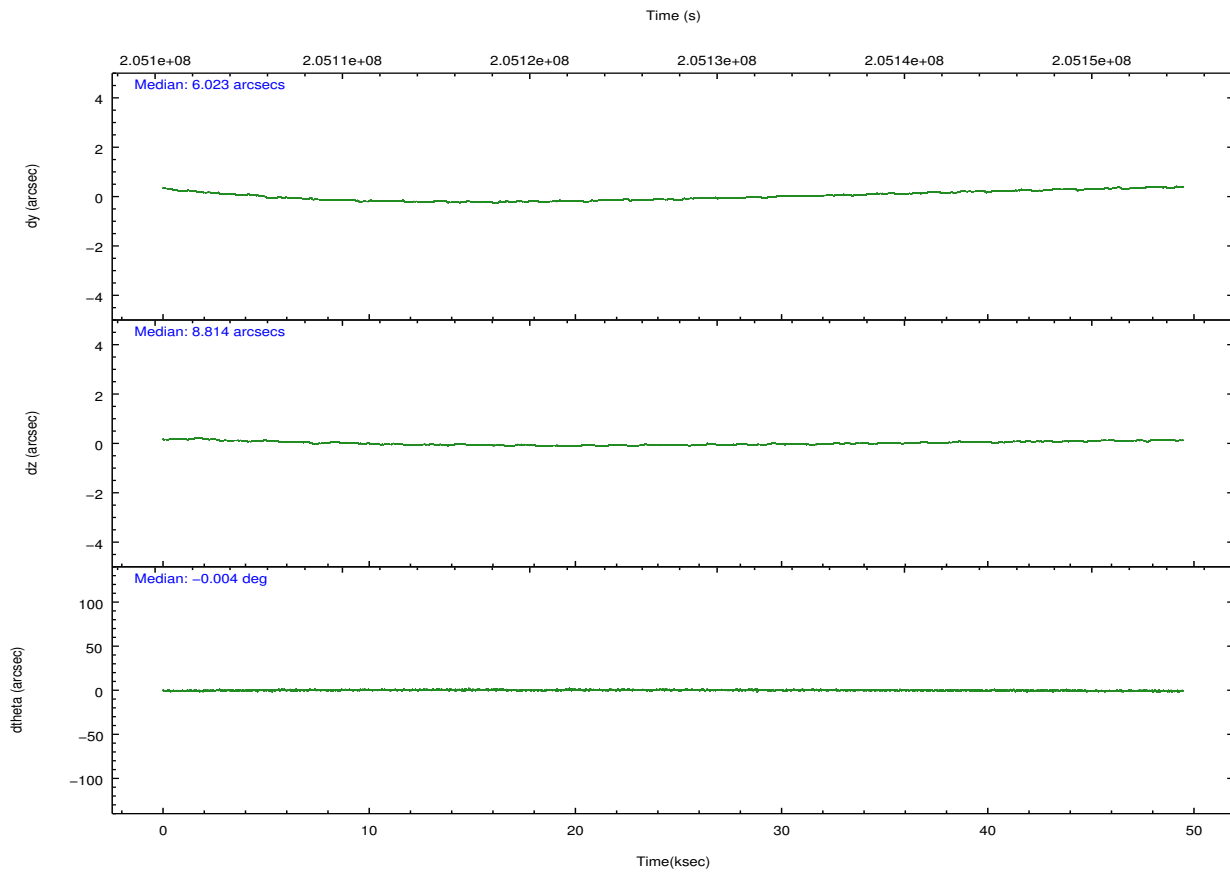
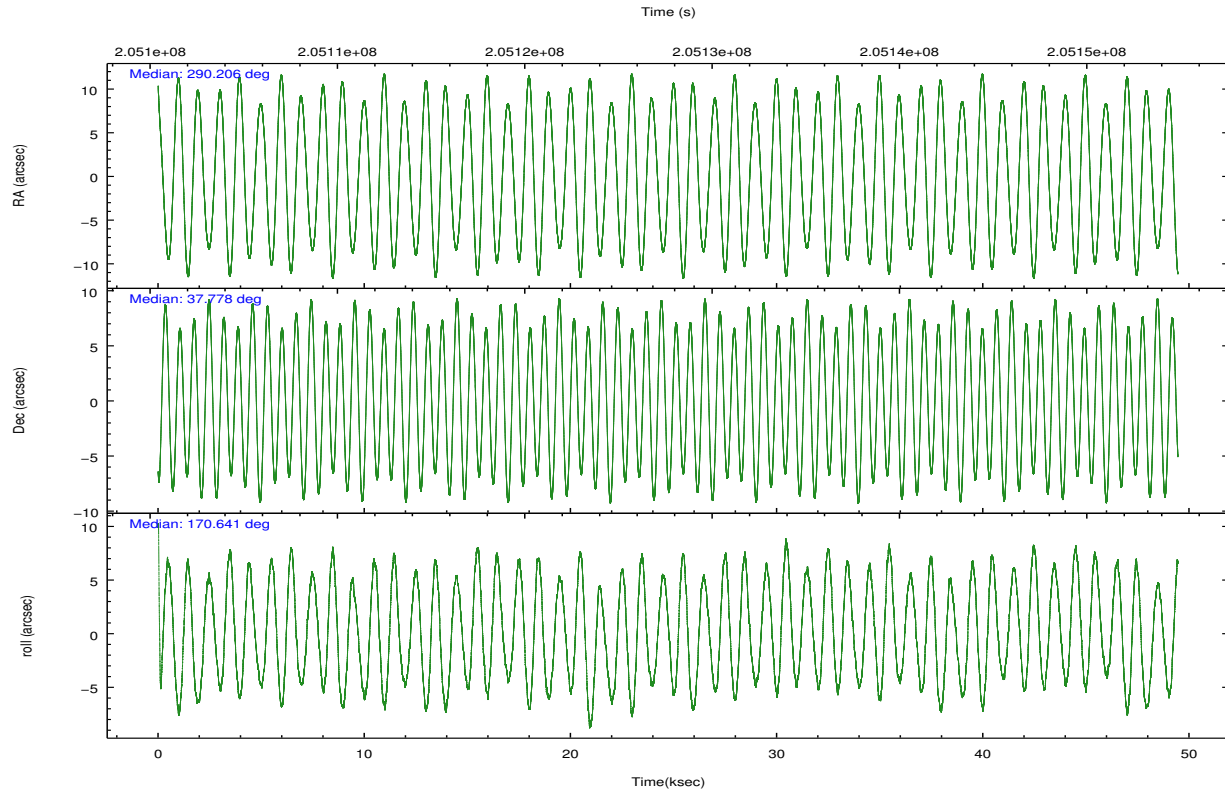
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	321848	296216	405675	313380	342304	382756	grade 0 events	12729	12191	15152	13823	14676	29815
rejected events	289461	265445	206115	278644	181530	291724		3%	4%	3%	4%	4%	7%
rejected %	89%	89%	50%	88%	53%	76%	grade 1 events	189	172	563	167	267	286
								0%	0%	0%	0%	0%	0%
							grade 2 events	7178	6275	58573	7126	31868	19551
								2%	2%	14%	2%	9%	5%
							grade 3 events	3437	3336	9542	3610	15325	9516
								1%	1%	2%	1%	4%	2%
							grade 4 events	3388	3266	9238	3413	14949	8965
								1%	1%	2%	1%	4%	2%
							grade 5 events	10378	11434	33520	12119	35570	16953
								3%	3%	8%	3%	10%	4%
							grade 6 events	5660	5713	107077	6767	83973	23196
								1%	1%	26%	2%	24%	6%
							grade 7 events	278889	253829	172010	266355	145676	274474
								86%	85%	42%	84%	42%	71%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	290.237844	290.2057485180758	Subarray requested	NONE	NONE
[deg] Pointing Dec	37.787792	37.77785729370112	Alternating exposures requested	N	N
[deg] Pointing Roll	170.474446	170.6507378798279	[s] Primary exposure time	0.000000	3.2
[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)	205103550.184000	205102312.06728			
Observation start date	2004-07-01T21:11:26	2004-07-01T20:51:52			
[s] Observation end time (MET)	205152376.184000	205152592.4195			
Observation end date	2004-07-02T10:45:12	2004-07-02T10:49:52			
Read mode	TIMED	TIMED			

2.3 Aspect



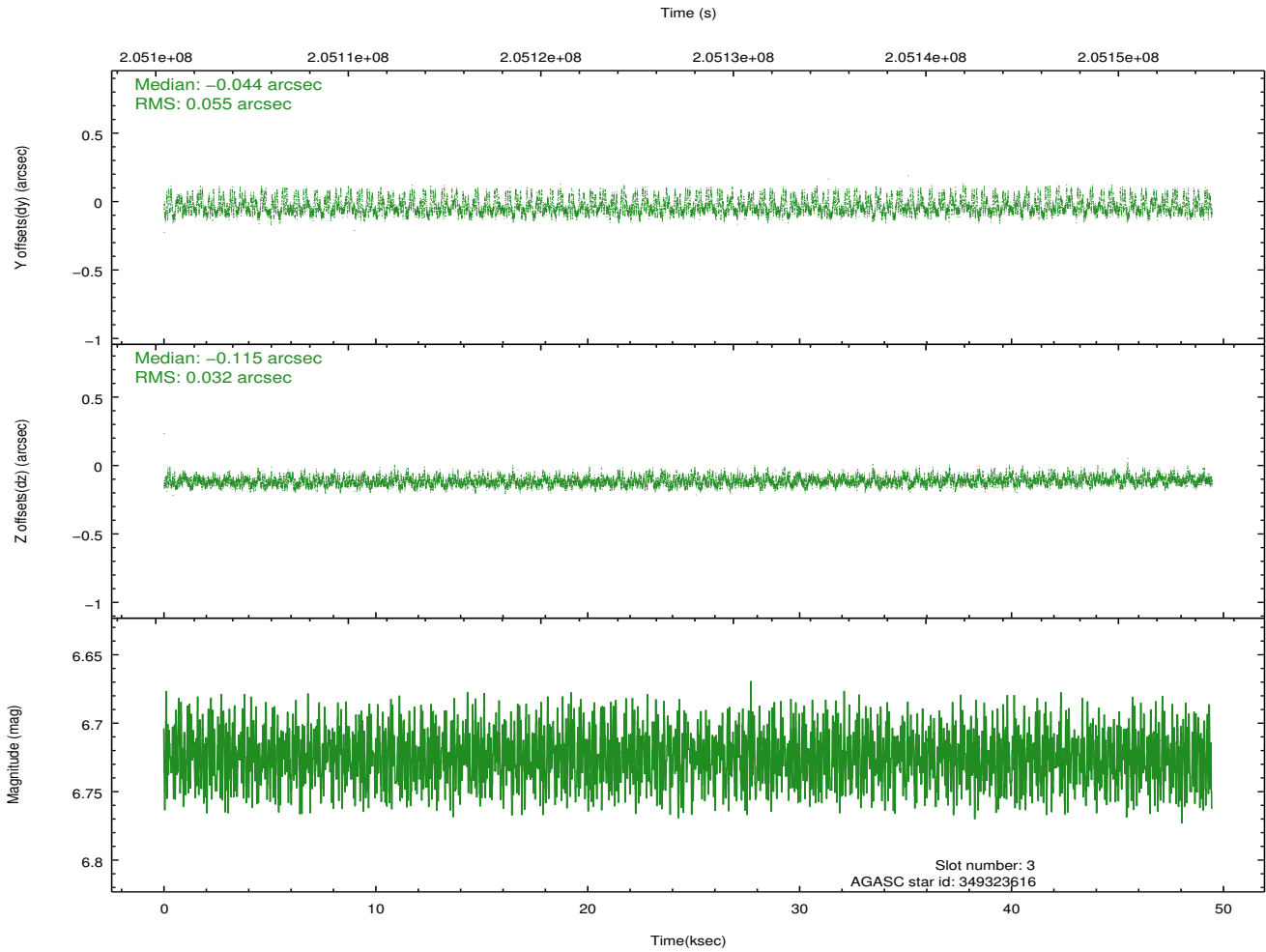
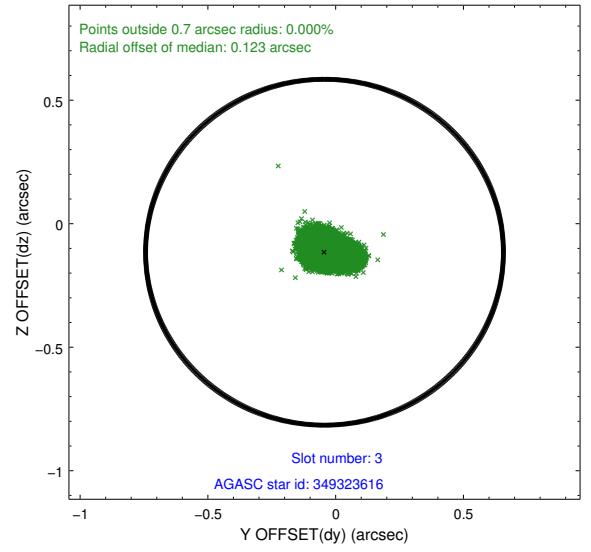
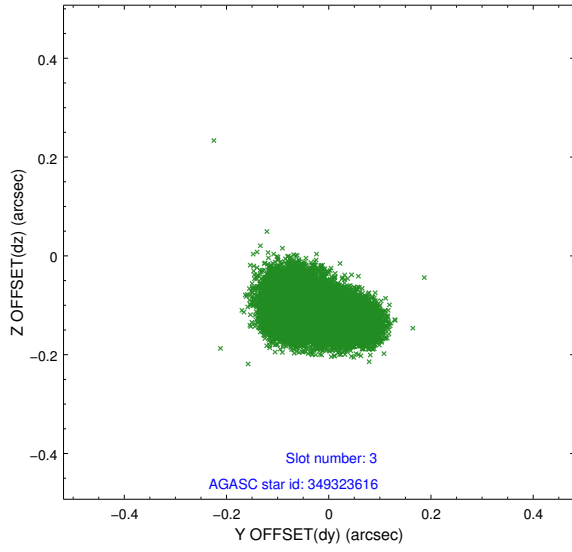


Slot Statistics

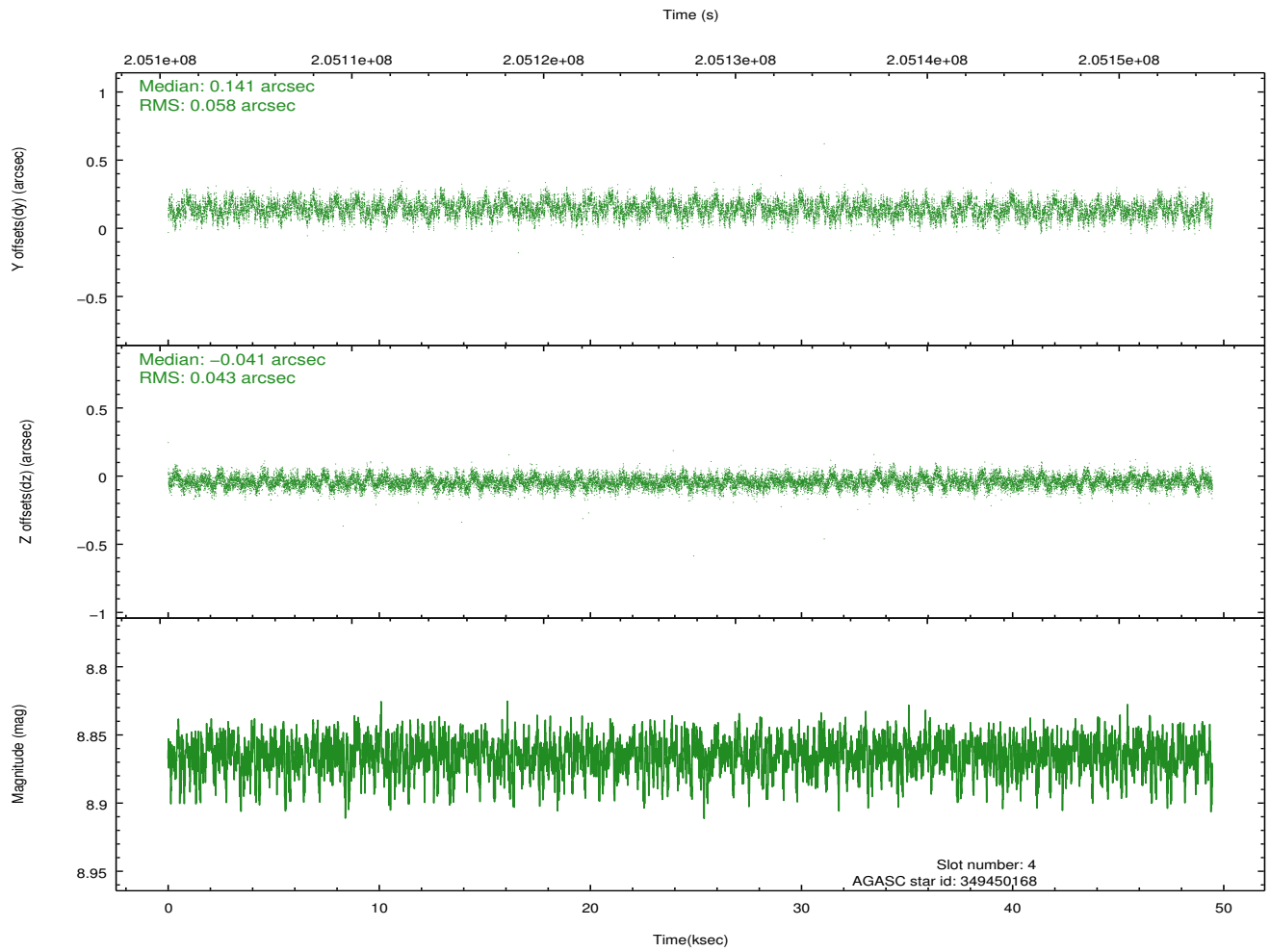
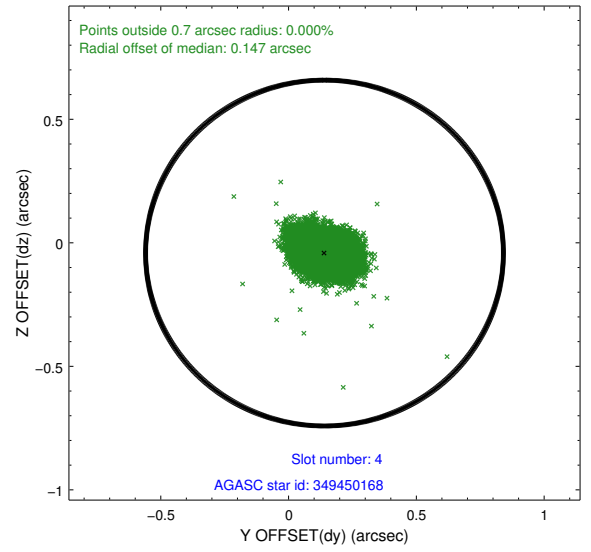
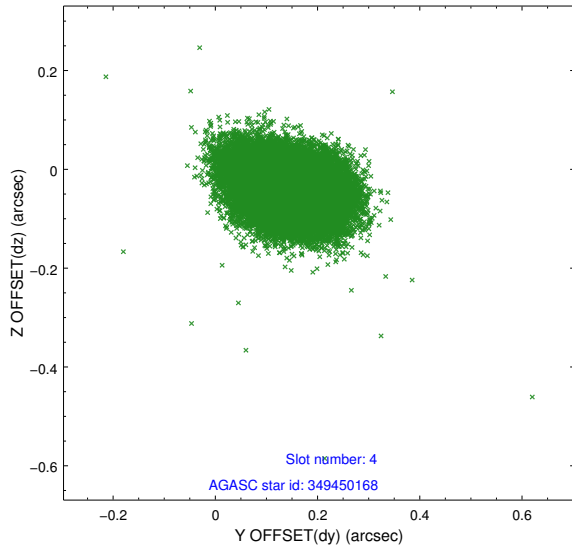
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	12063	0.063	-0.010	0.006	0.010	0.000000	0.000000	937.29	-1725.69
1	FID	ACIS-S-2	7.10	12064	-0.040	-0.034	0.007	0.011	0.000000	0.000000	-758.72	-1730.22
2	FID	ACIS-S-5	7.23	12063	-0.046	0.051	0.006	0.011	0.000000	0.000000	-1811.92	171.99
3	GUIDE	349323616	6.72	24124	-0.044	-0.115	0.066	0.117	289.754804	37.445352	1158.13	1440.95
4	GUIDE	349450168	8.86	24019	0.141	-0.041	0.077	0.125	290.661112	37.337400	-1462.49	1395.84
5	GUIDE	409079120	7.59	24127	-0.096	-0.012	0.044	0.071	289.707491	37.585682	1372.37	964.19
6	GUIDE	409085408	8.77	24121	0.096	0.044	0.088	0.140	289.841686	38.530382	1544.00	-2453.70
7	GUIDE	410786512	8.04	24121	-0.105	0.123	0.049	0.081	290.134357	38.425391	668.30	-2215.30

2.4 Star Slots

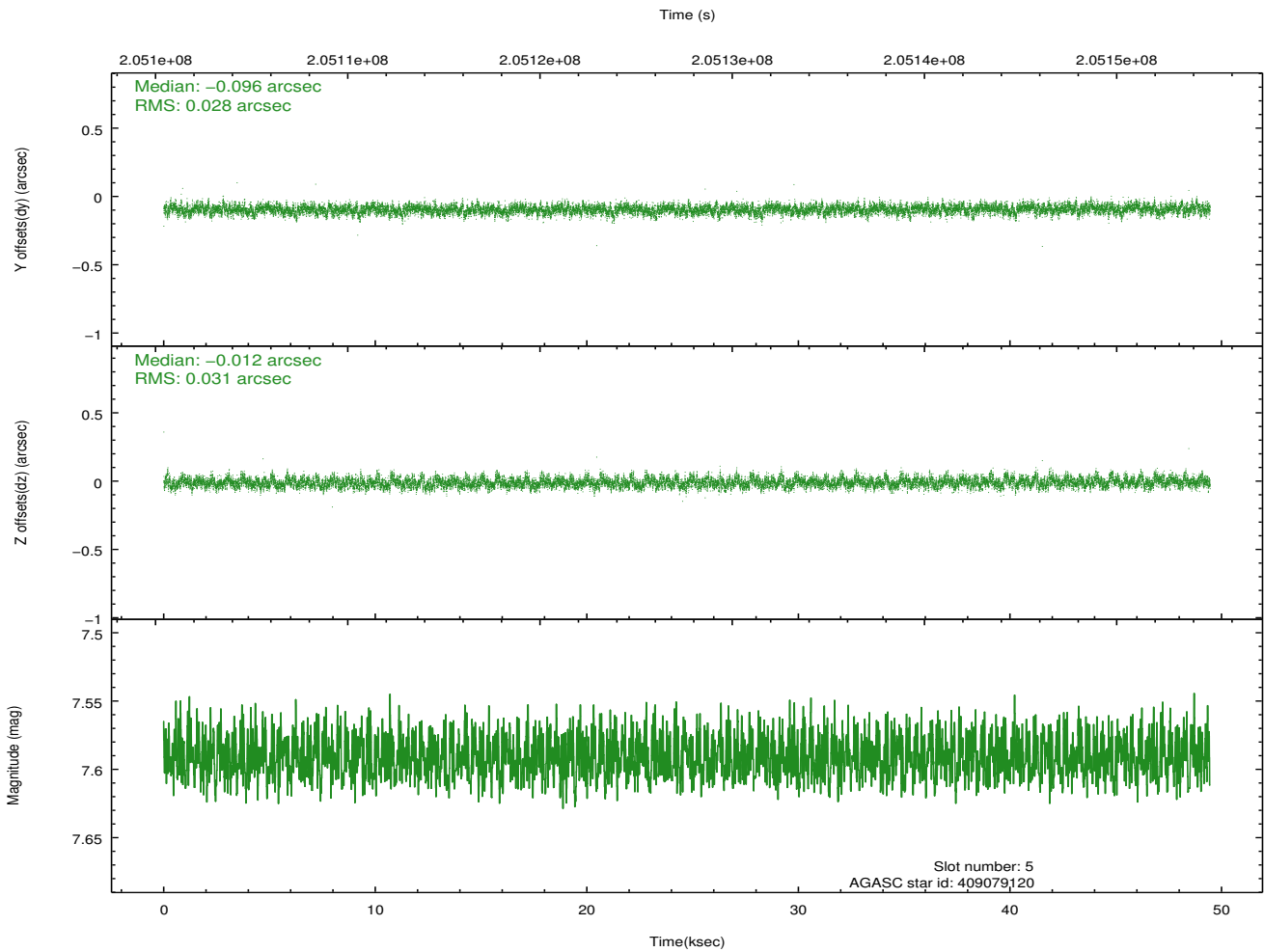
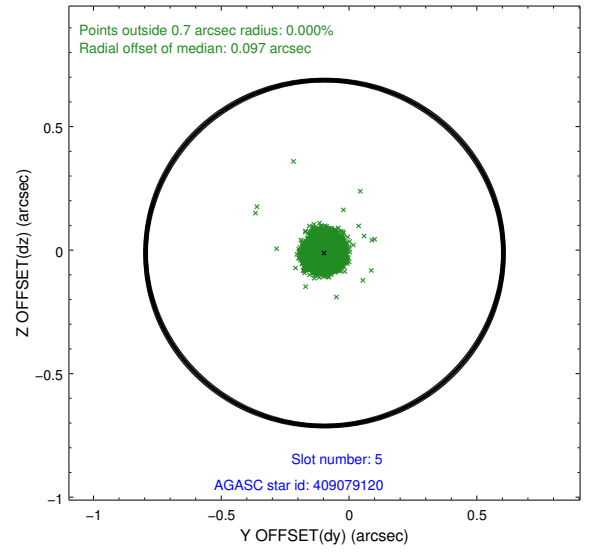
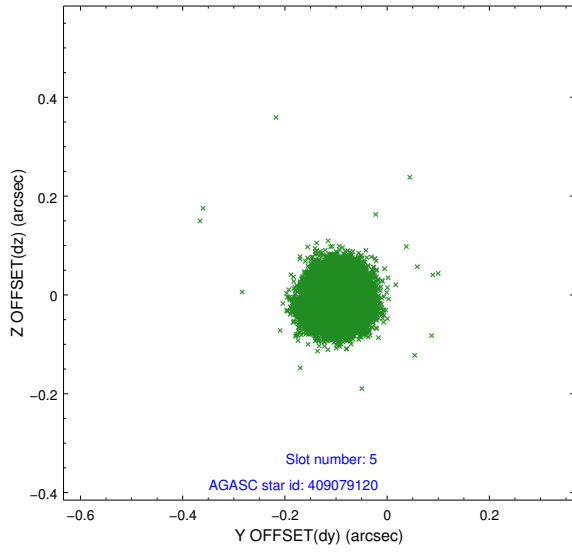
2.4.1 Slot 3



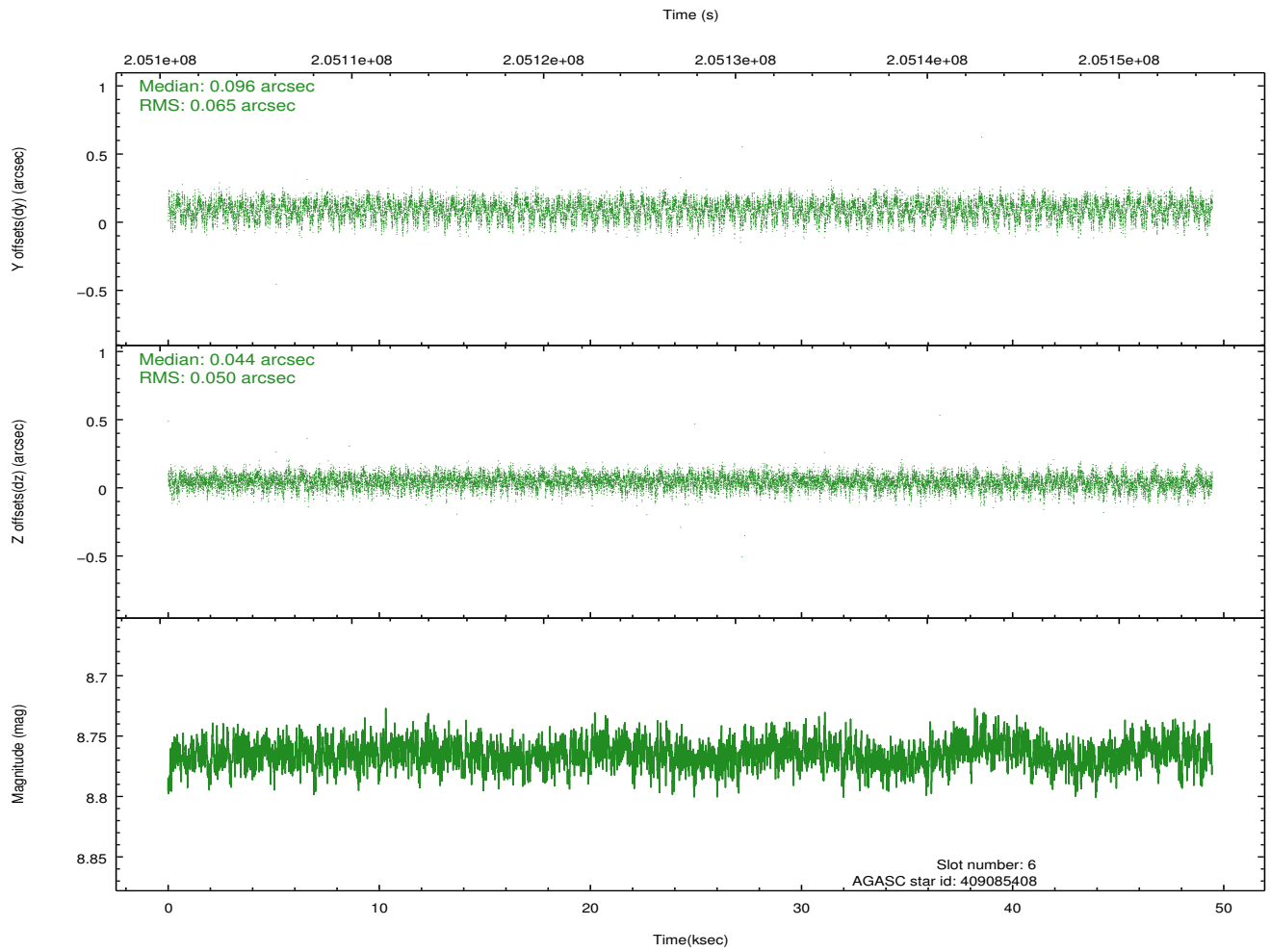
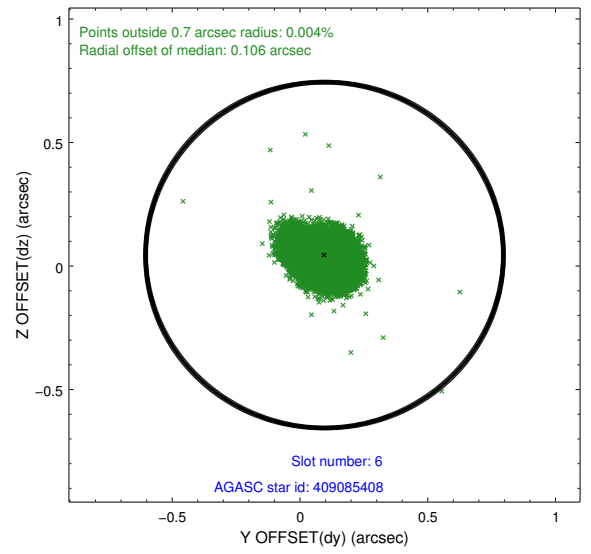
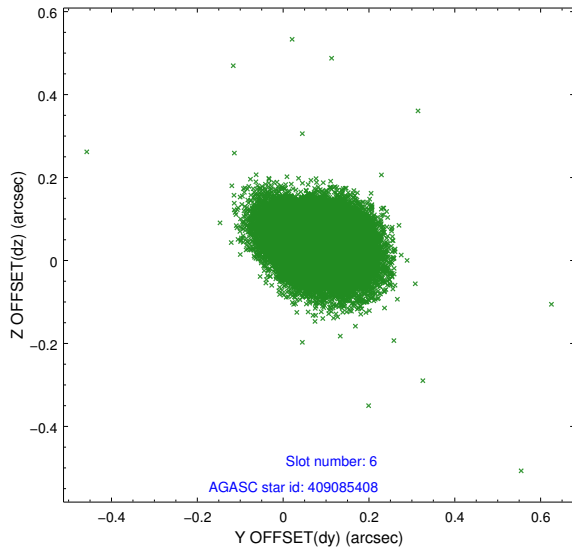
2.4.2 Slot 4



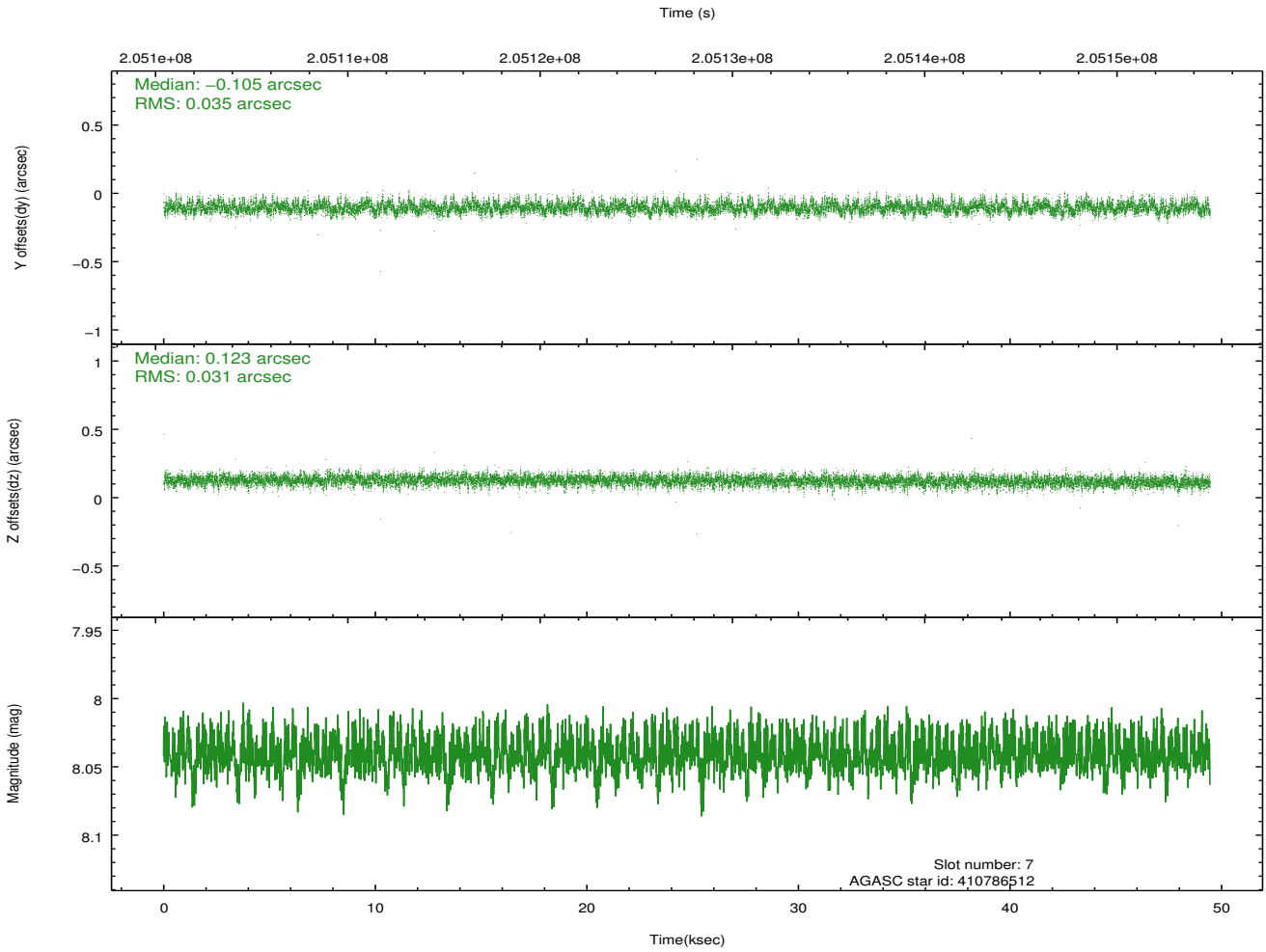
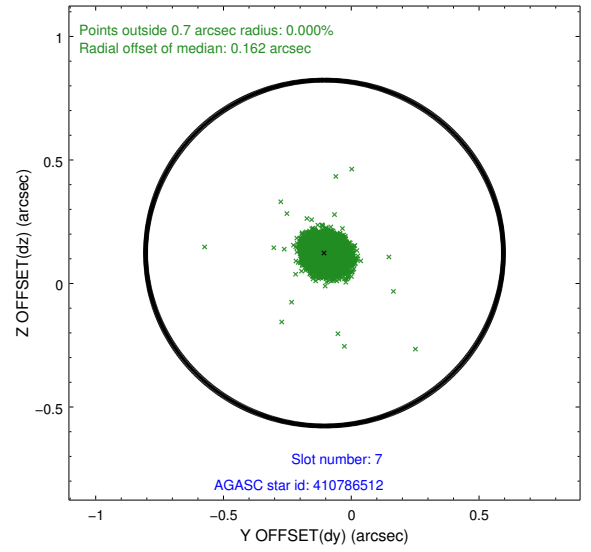
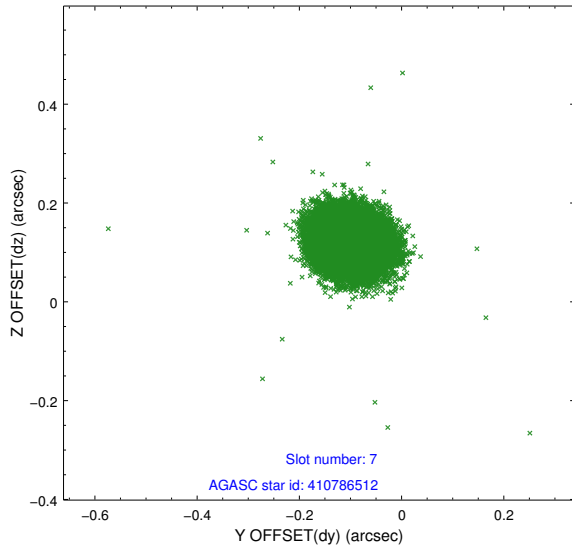
2.4.3 Slot 5



2.4.4 Slot 6

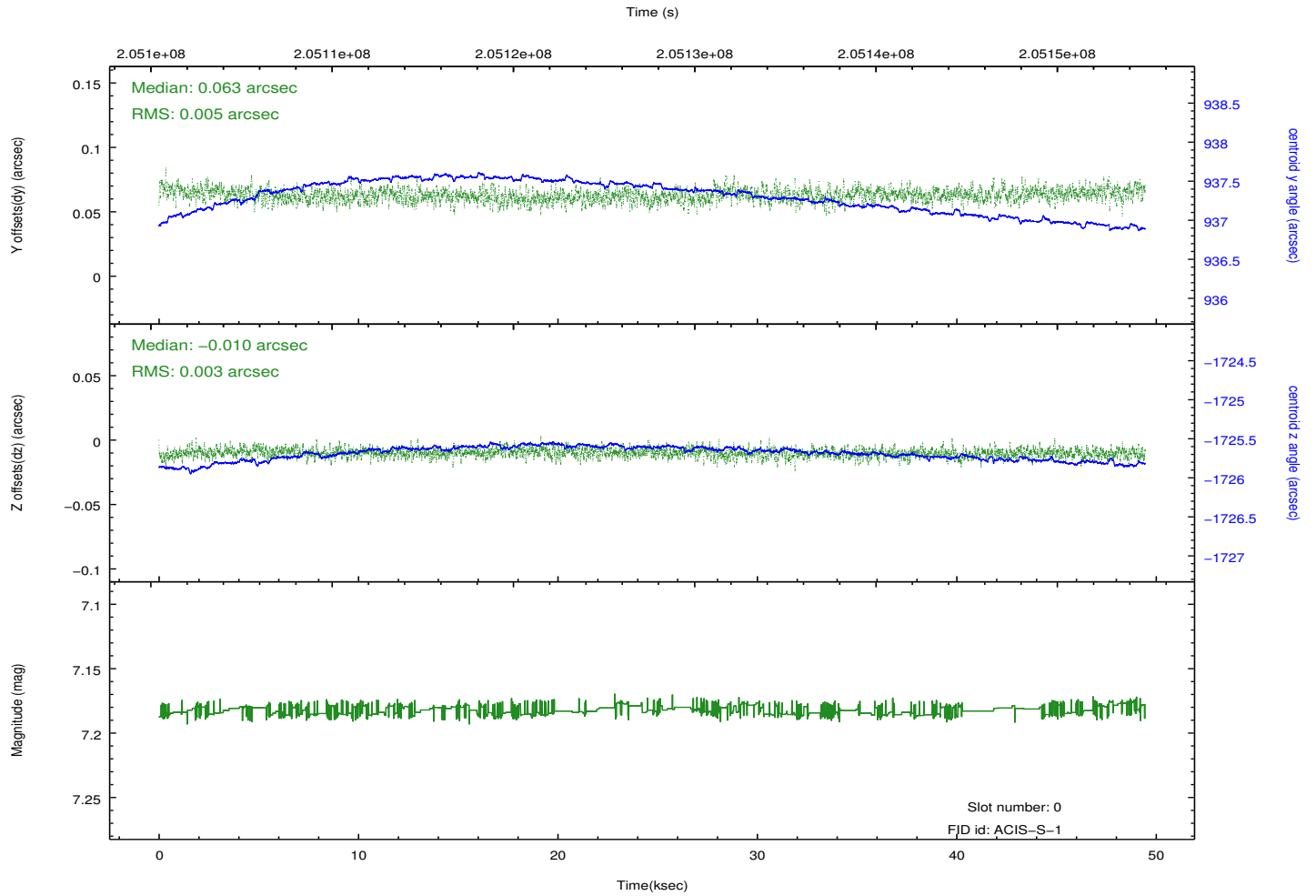
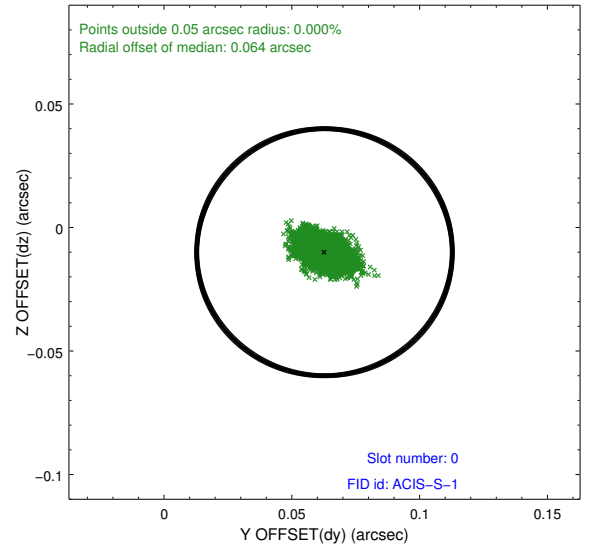
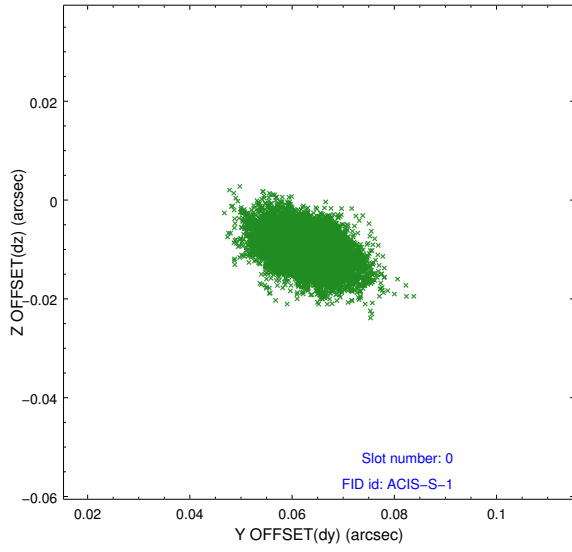


2.4.5 Slot 7

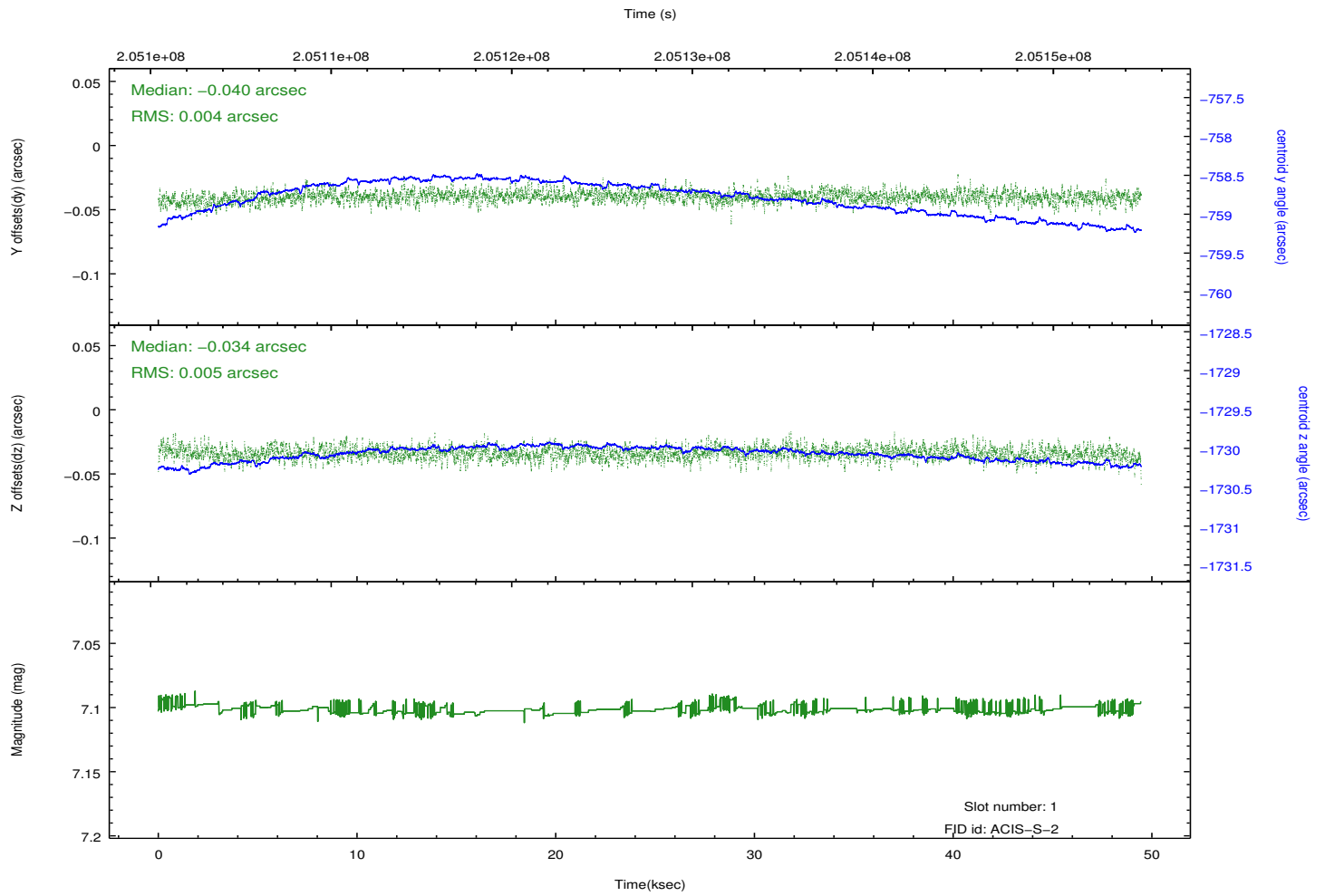
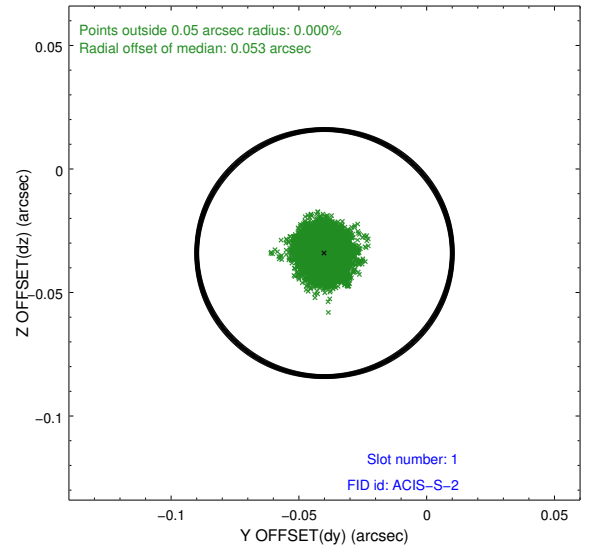
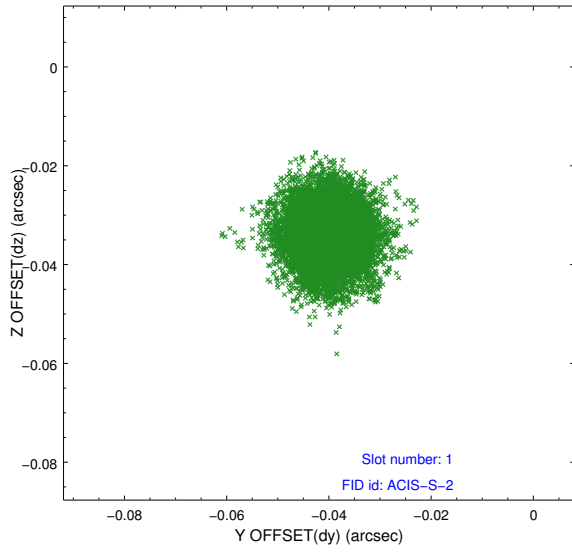


2.5 FID Slots

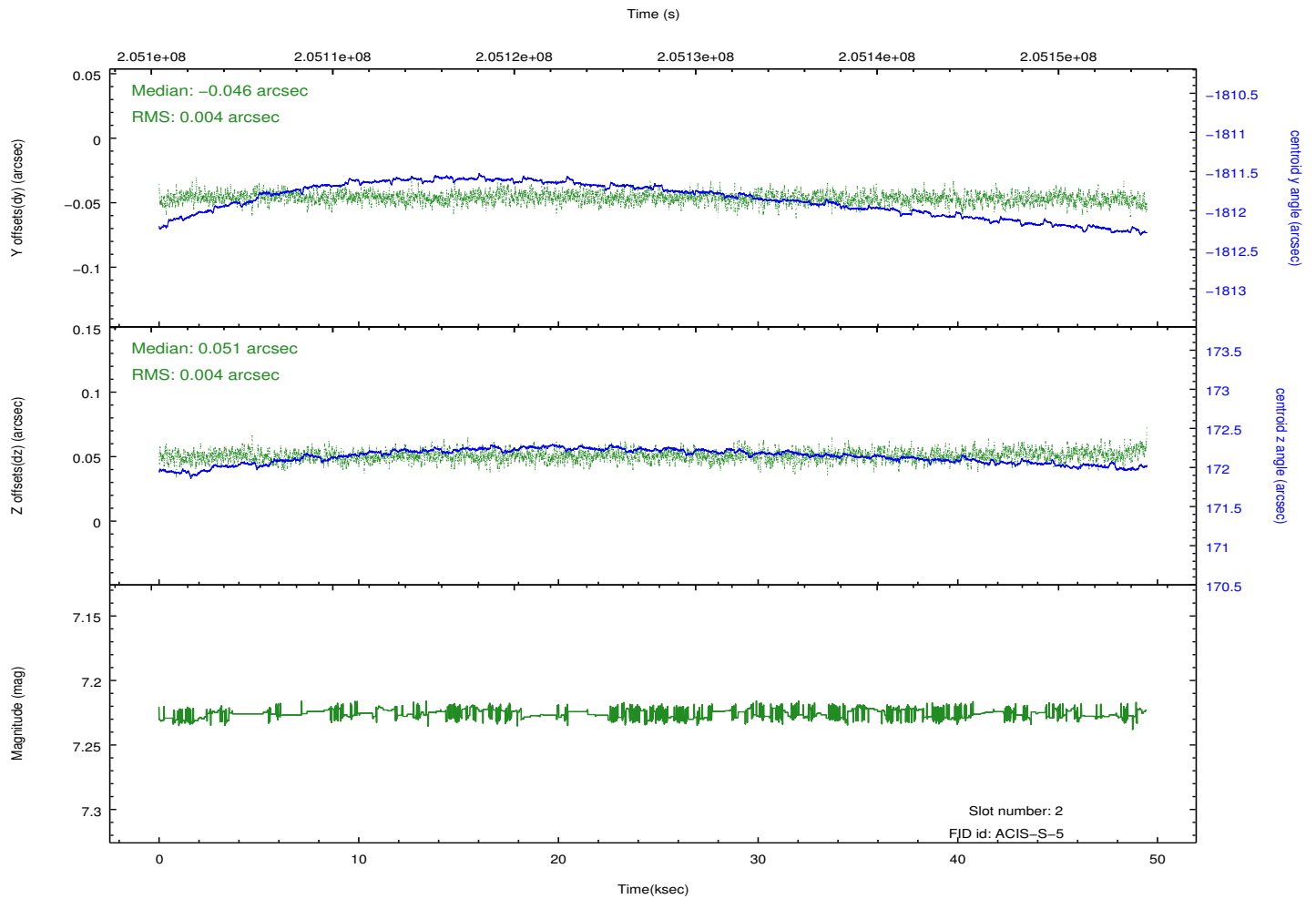
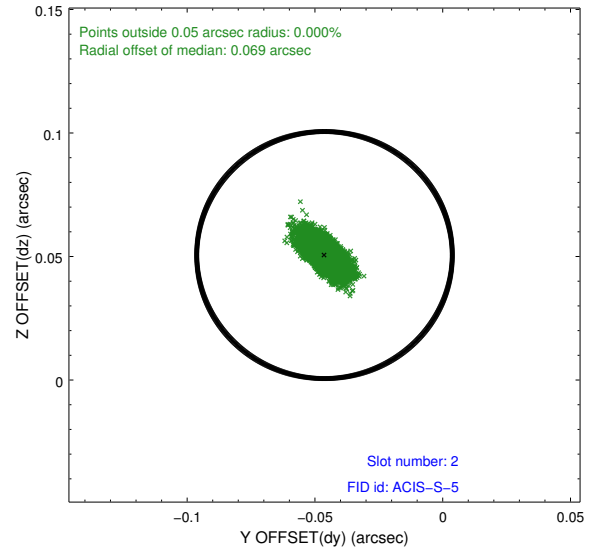
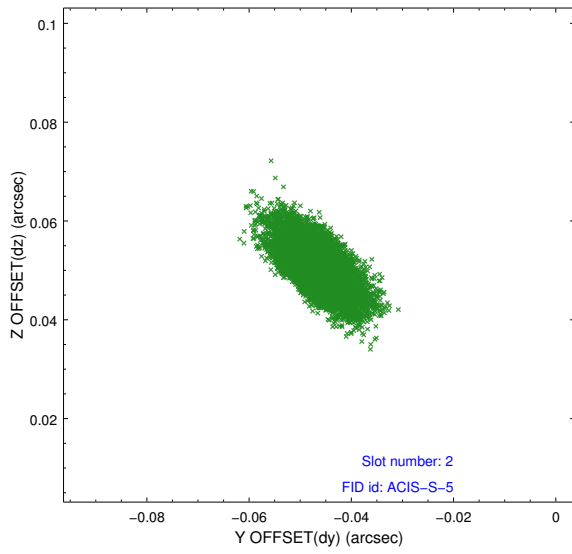
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	48.783

A.2 Comments