

V&V Reference Report

L2 ASCDS Version : 8.5.0.1

Observation 6049 - L2 Version 3
Chandra X-Ray Center

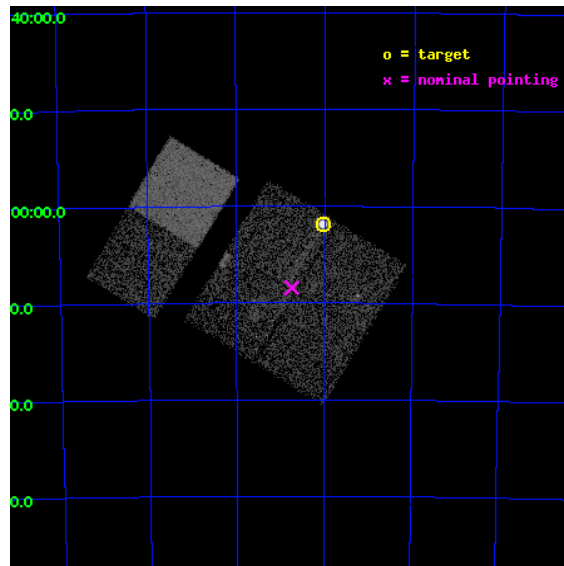
L2 Processing Date : Dec 12 2012

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1 Front

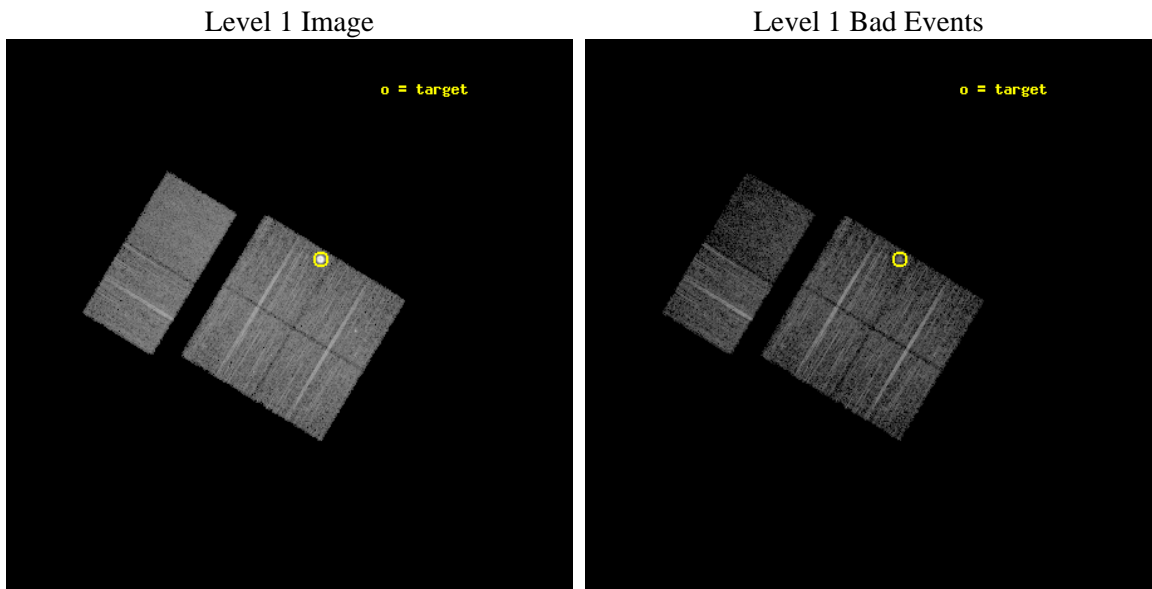
seq_num	590376	Sequence number
obs_id	6049	Observation id
title	AO6A ACIS-I Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72[I3,-120,-7,0.5,0]	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	16.184300174137	Nominal RA [deg]
dec_nom	-72.140839713775	Nominal Dec [deg]
roll_nom	301.30545554684	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7673.4011172354	Sum of GTIs [s]
livetime	7576.2358919215	Livetime [s]
ontime0	7673.2779972553	Sum of GTIs [s]
ontime1	7673.3190372288	Sum of GTIs [s]
ontime2	7673.3600971103	Sum of GTIs [s]
ontime3	7673.4011172354	Sum of GTIs [s]
ontime6	7673.4832171202	Sum of GTIs [s]
ontime7	7673.4421572387	Sum of GTIs [s]
l2events	59220	Number of level 2 events



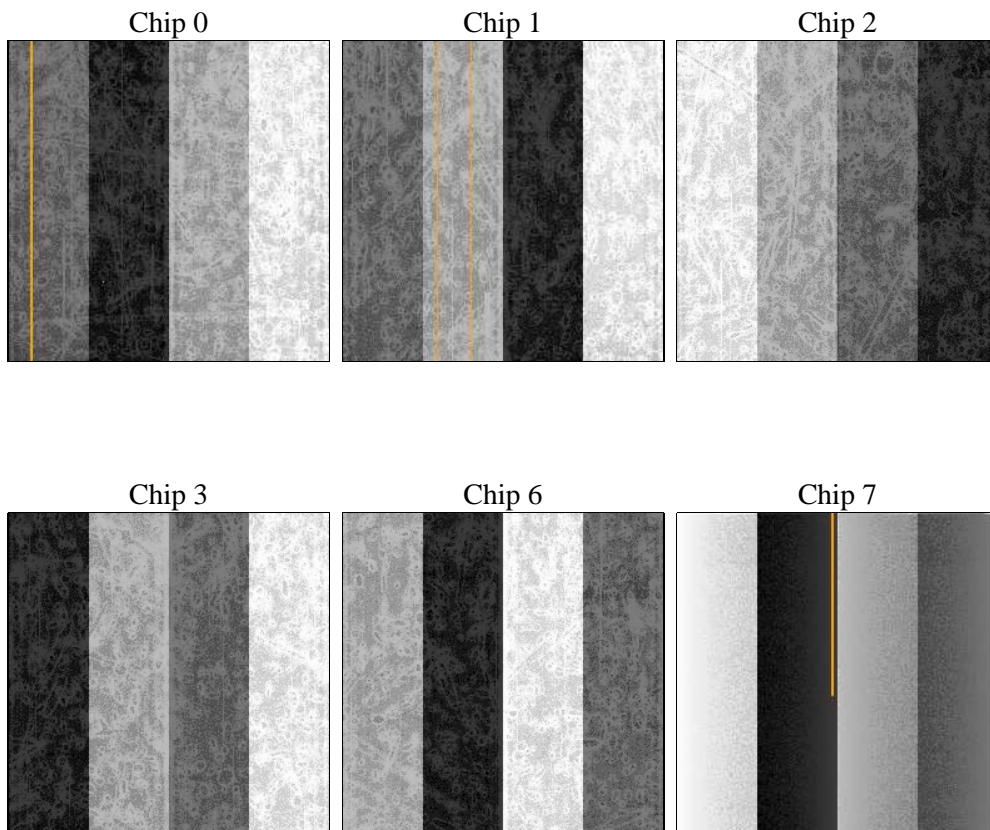
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7500.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	7673.4011172354	Sum of GTIs [s]
caldbver	4.5.4	 	ontime0	7673.2779972553	Sum of GTIs [s]
date	2012-12-12T13:29:48	Date and time of file creation	ontime1	7673.3190372288	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7673.3600971103	Sum of GTIs [s]
			ontime3	7673.4011172354	Sum of GTIs [s]
			ontime6	7673.4832171202	Sum of GTIs [s]
			ontime7	7673.4421572387	Sum of GTIs [s]
			l1events	283440	Number of level 1 events

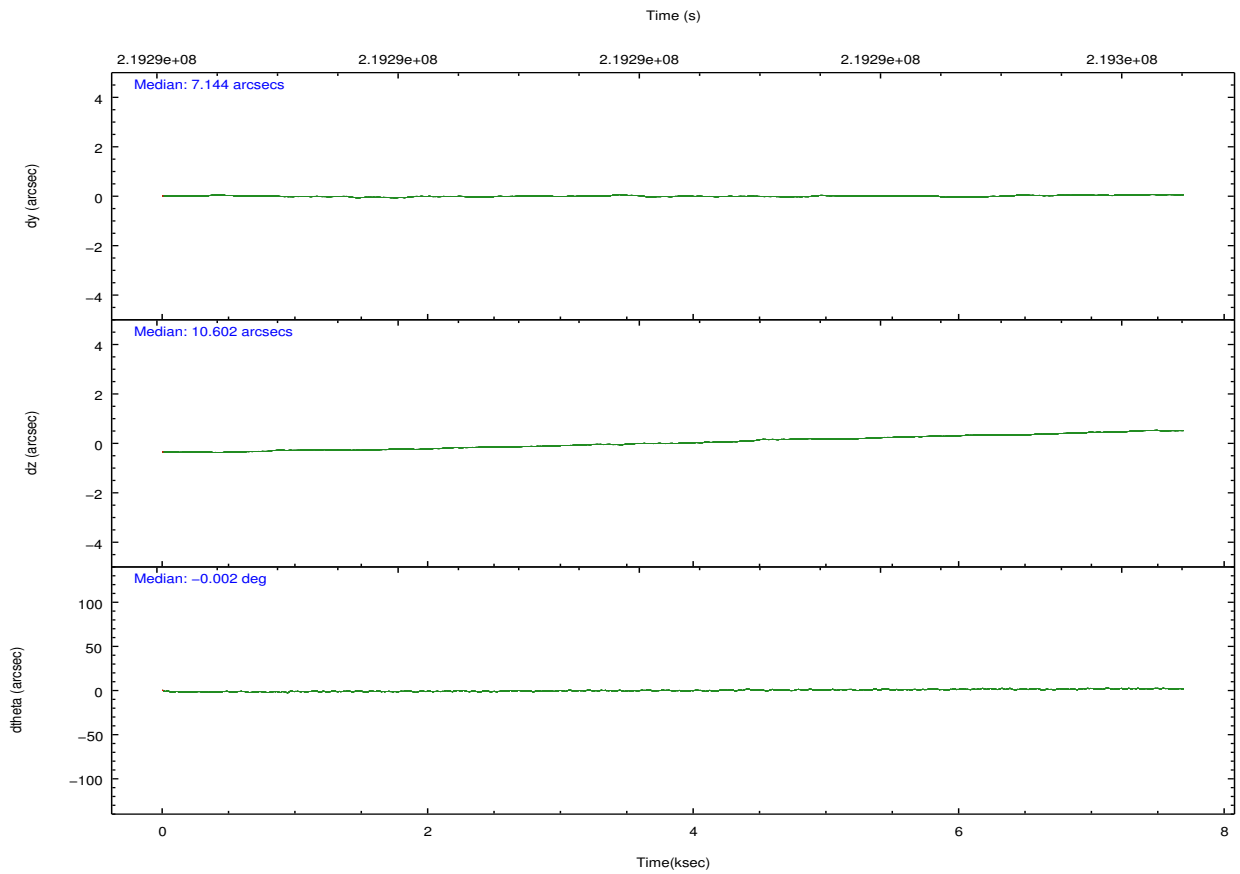
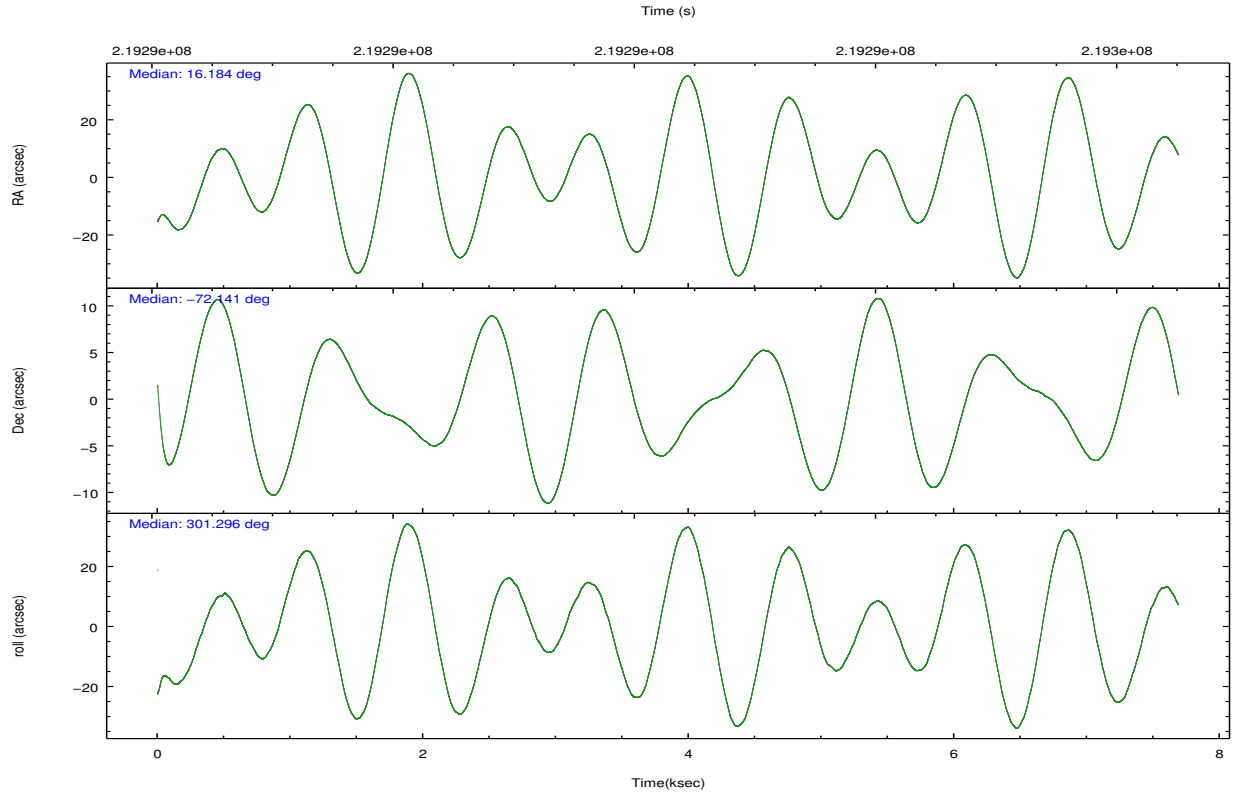
2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	41921	41617	47587	65684	45401	41230	grade 0 events	1731	2137	2365	19273	1680	2039
rejected events	37410	36436	42543	41336	40958	21097		4%	5%	4%	29%	3%	4%
rejected %	89%	87%	89%	62%	90%	51%	grade 1 events	26	25	26	167	21	36
								0%	0%	0%	0%	0%	0%
							grade 2 events	1020	1042	982	2400	1005	4333
								2%	2%	2%	3%	2%	10%
							grade 3 events	506	537	490	882	461	2035
								1%	1%	1%	1%	1%	4%
							grade 4 events	436	540	503	851	490	1999
								1%	1%	1%	1%	1%	4%
							grade 5 events	1334	1427	1186	1610	1551	4483
								3%	3%	2%	2%	3%	10%
							grade 6 events	820	925	708	952	809	9736
								1%	2%	1%	1%	1%	23%
							grade 7 events	36048	34984	41327	39549	39384	16569
								85%	84%	86%	60%	86%	40%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	16.105932	16.18430017413682	Subarray requested	NONE	NONE
[deg] Pointing Dec	-72.127850	-72.14083971377519	Alternating exposures requested	N	N
[deg] Pointing Roll	301.022193	301.3054555468442	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	215654464.184000	215654464.184000			
[s] Window stop time (MET)	220838464.184000	220838464.184000			
[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)	219288626.184000	219287556.25076			
Observation start date	2004-12-13T01:29:22	2004-12-13T01:12:36			
[s] Observation end time (MET)	219296126.184000	219296259.52615			
Observation end date	2004-12-13T03:34:22	2004-12-13T03:37:39			
Read mode	TIMED	TIMED			

2.3 Aspect

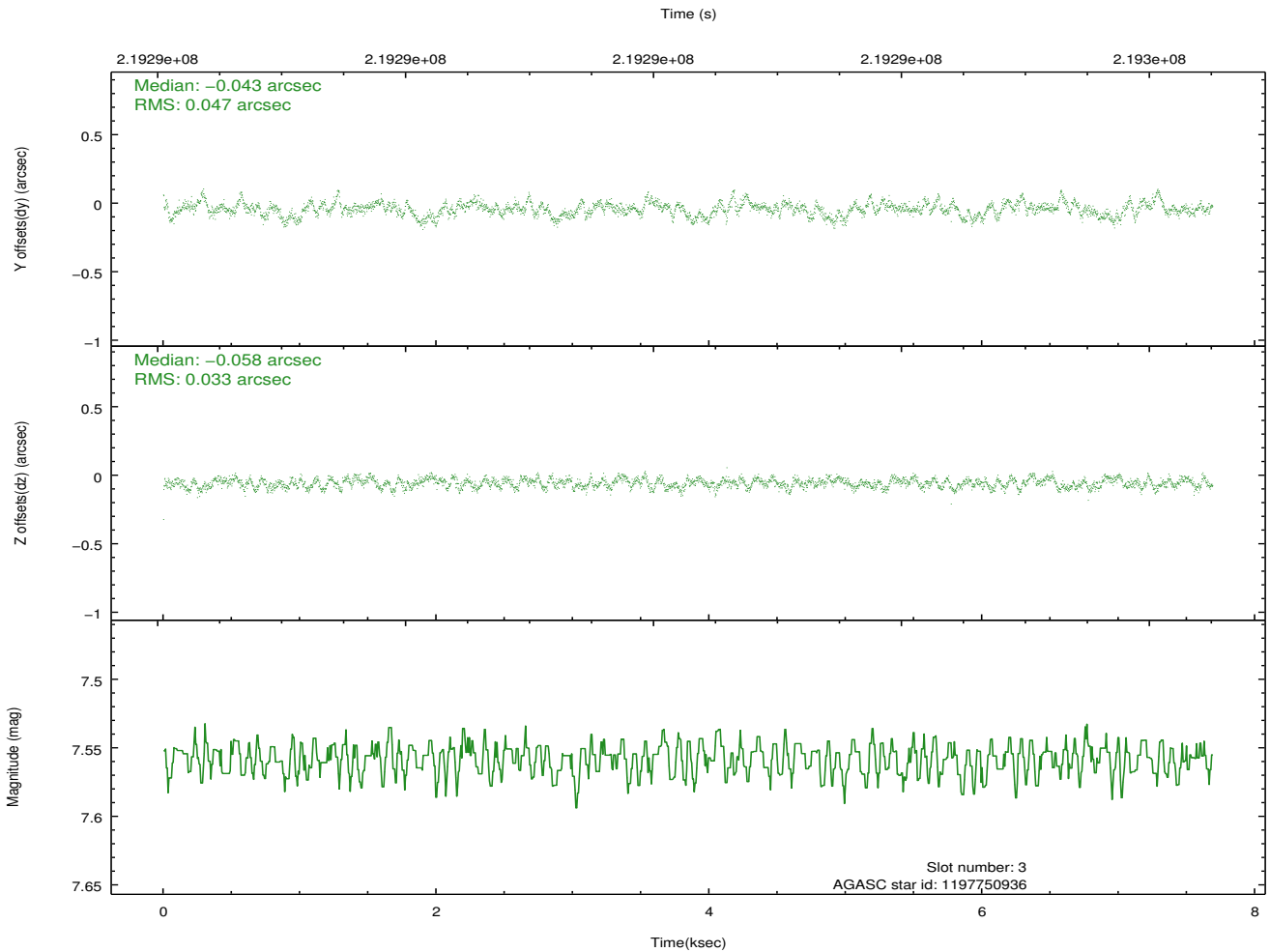
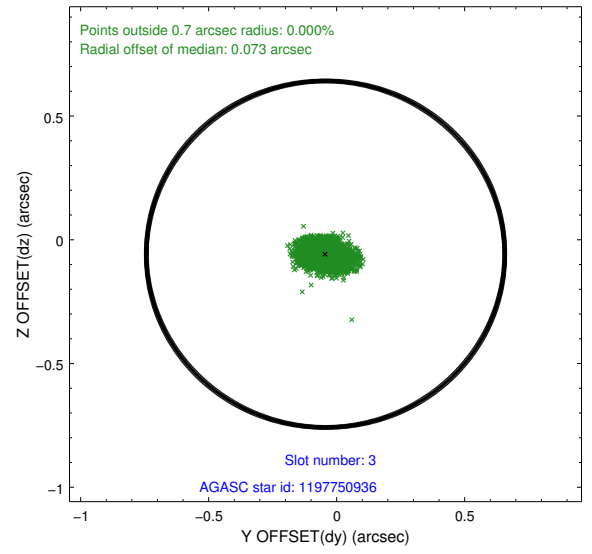
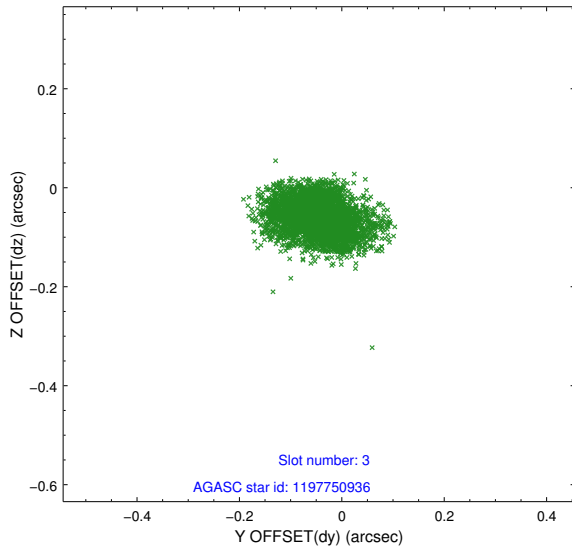


Slot Statistics

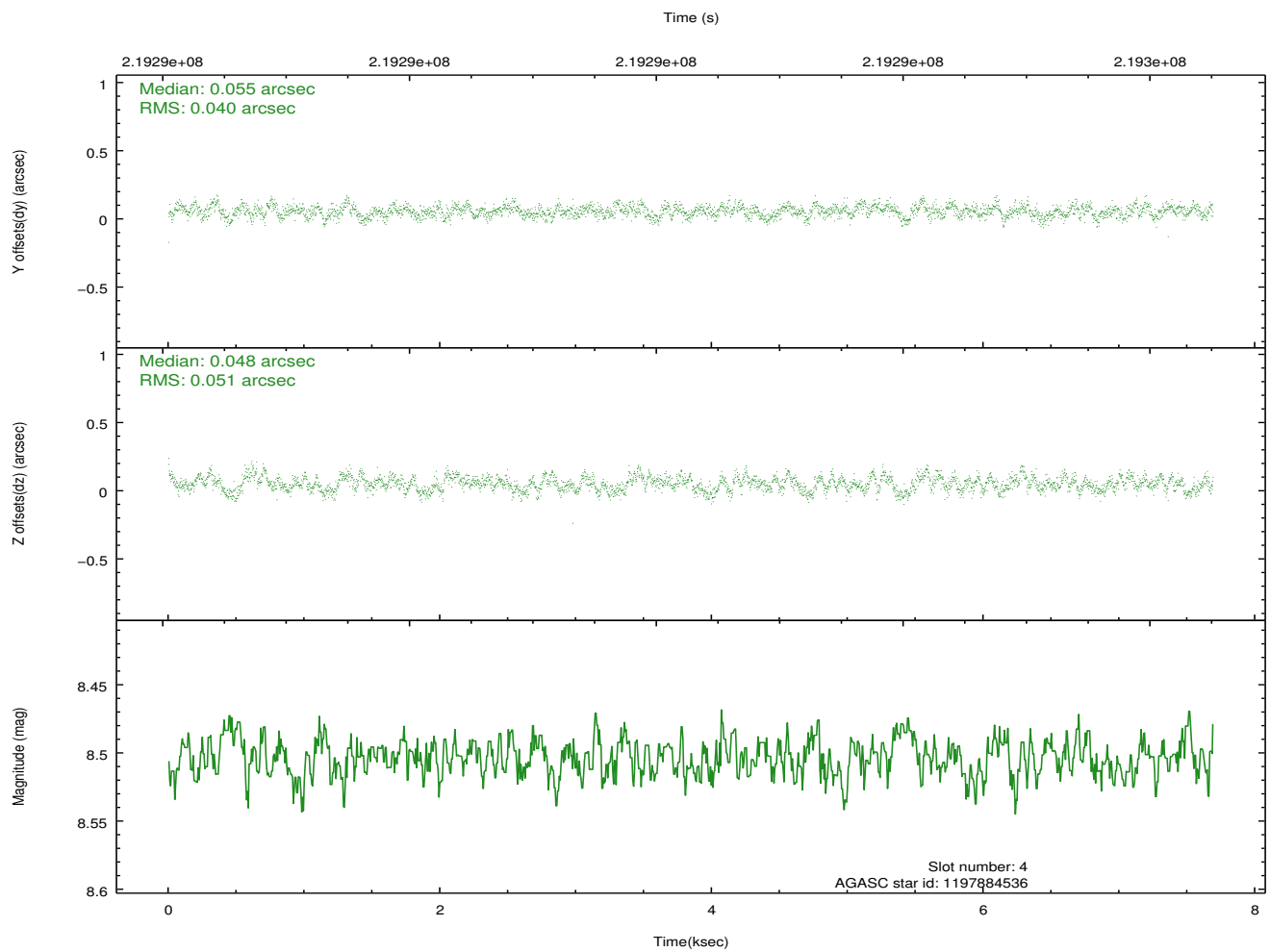
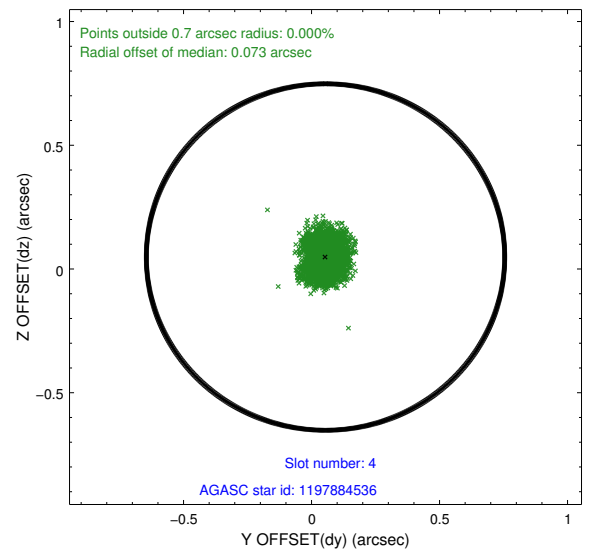
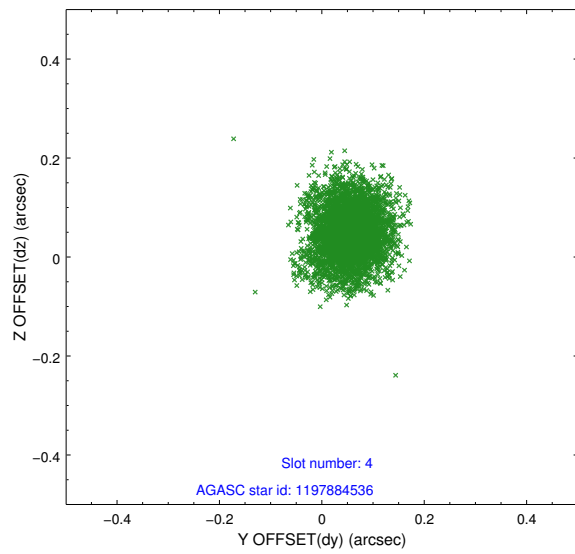
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1874	0.028	-0.018	0.016	0.025	0.000000	0.000000	932.55	-834.15
1	FID	ACIS-I-5	7.23	1875	-0.177	0.039	0.011	0.016	0.000000	0.000000	-1815.34	1063.05
2	FID	ACIS-I-6	7.26	1875	0.057	0.049	0.010	0.015	0.000000	0.000000	397.34	1708.38
3	GUIDE	1197750936	7.56	3750	-0.043	-0.058	0.060	0.103	15.387940	-71.549550	-2200.90	369.07
4	GUIDE	1197884536	8.50	3746	0.055	0.048	0.068	0.113	17.160729	-71.835289	-283.90	1552.12
5	GUIDE	1197884712	8.31	3750	0.079	0.064	0.058	0.094	16.087398	-72.252690	375.26	-248.38
6	GUIDE	1197885328	7.23	3750	-0.000	-0.059	0.053	0.083	16.283090	-71.733943	-1111.44	902.38
7	GUIDE	1198189696	7.37	3749	-0.088	0.008	0.059	0.095	15.223750	-72.697522	1277.21	-1869.33

2.4 Star Slots

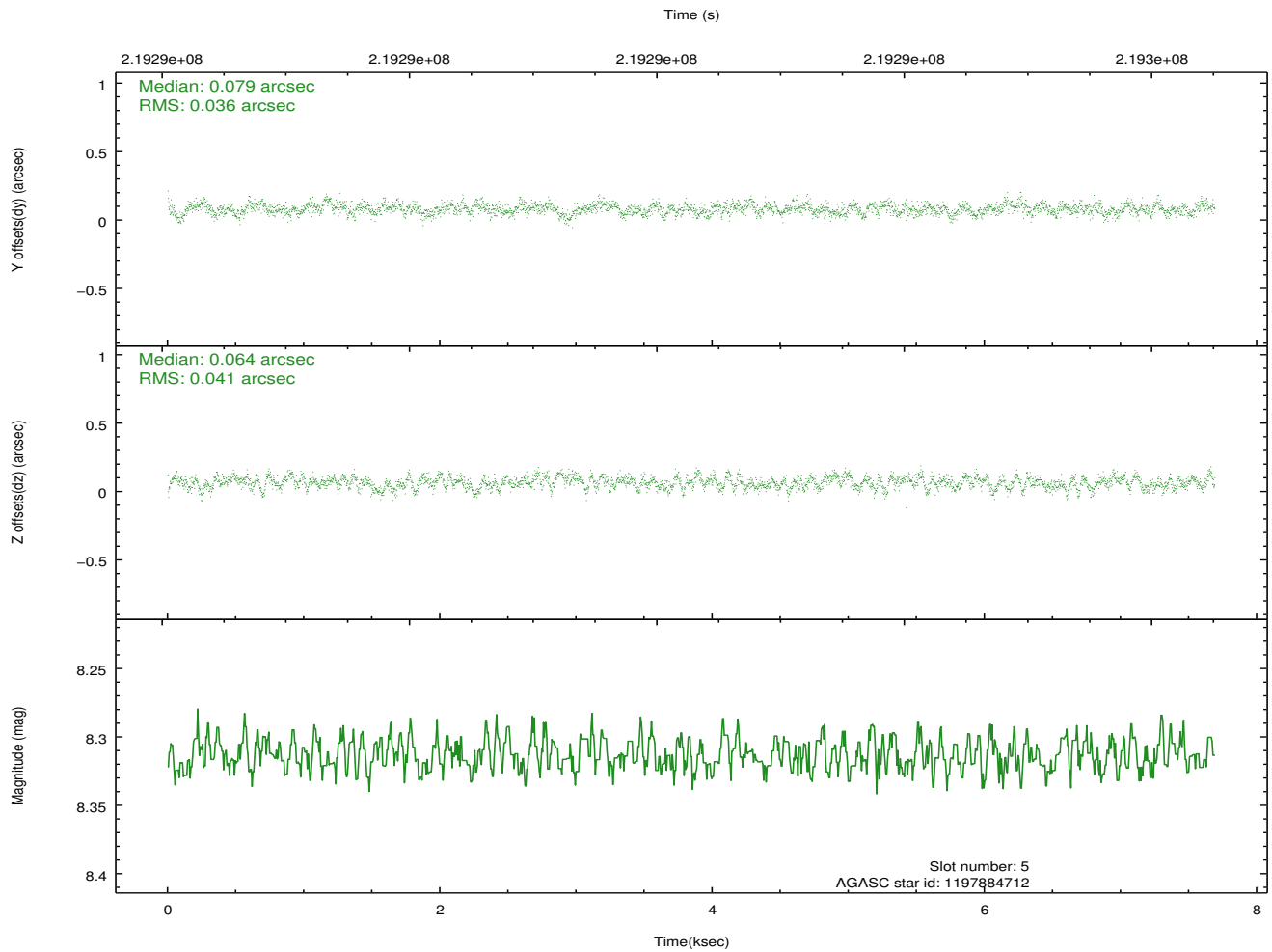
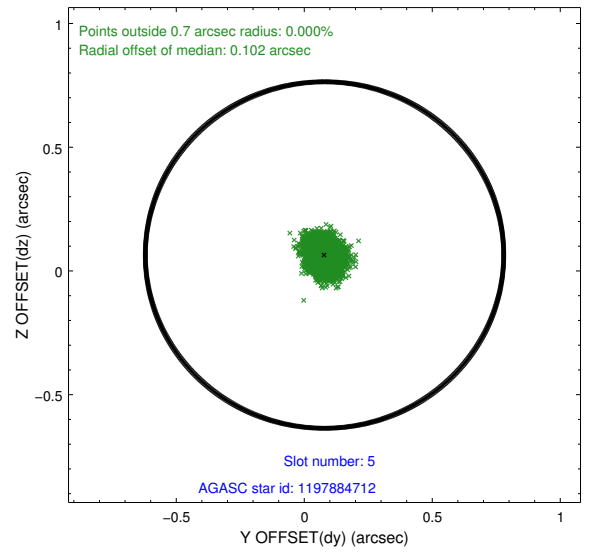
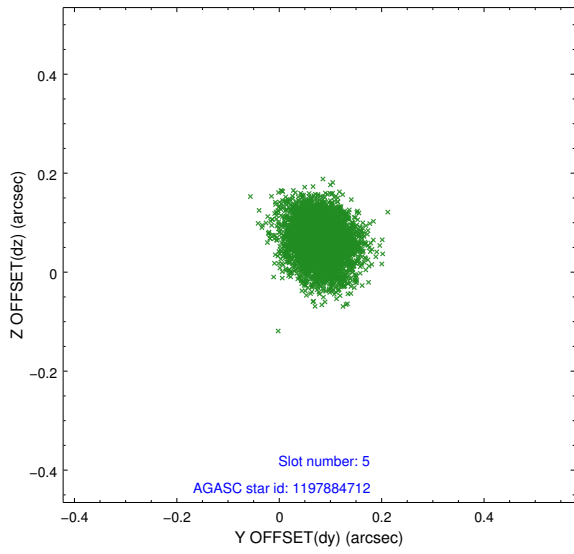
2.4.1 Slot 3



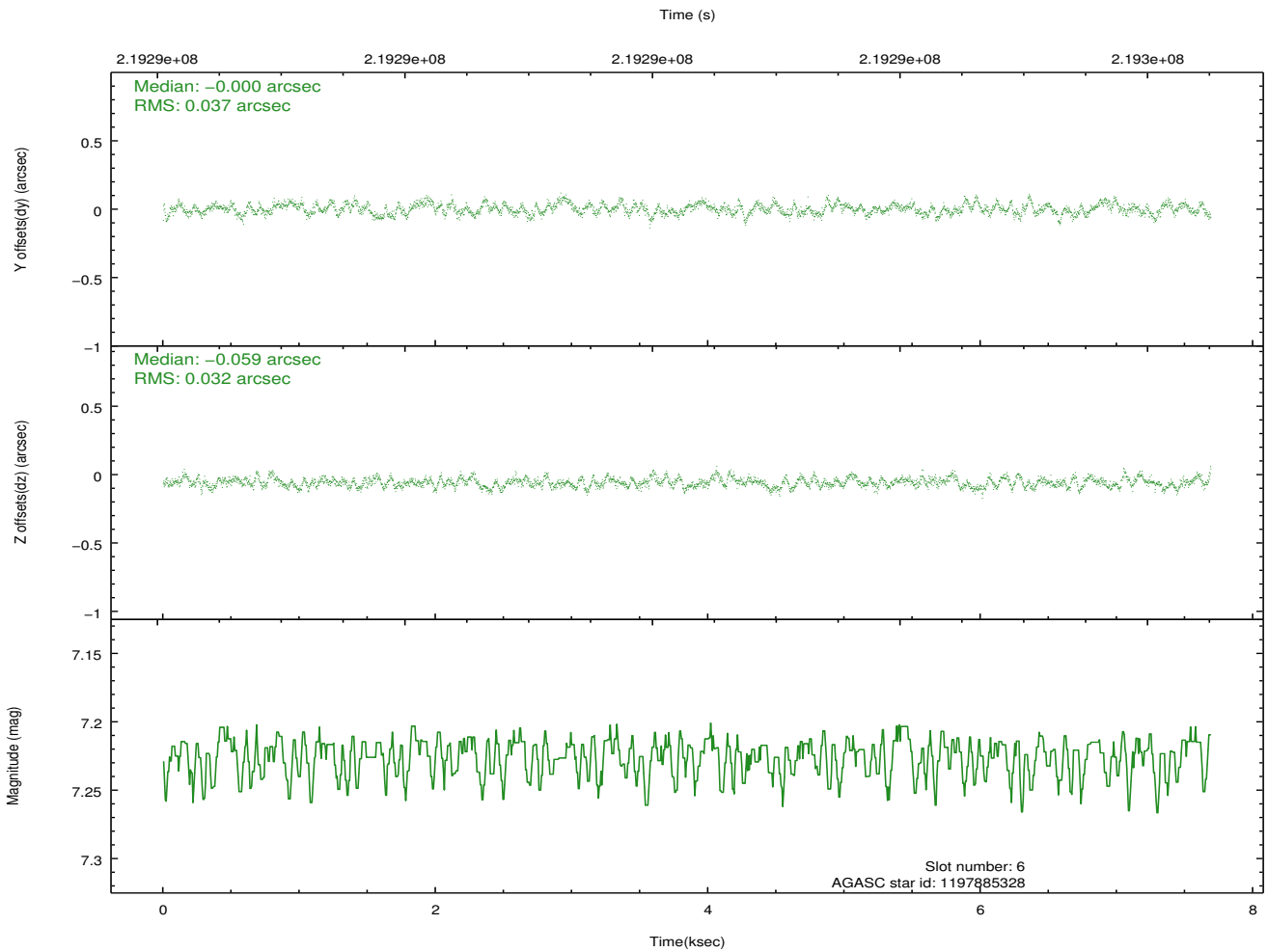
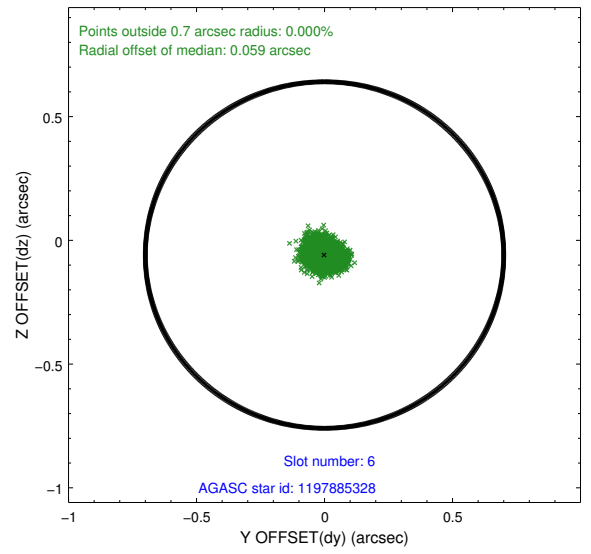
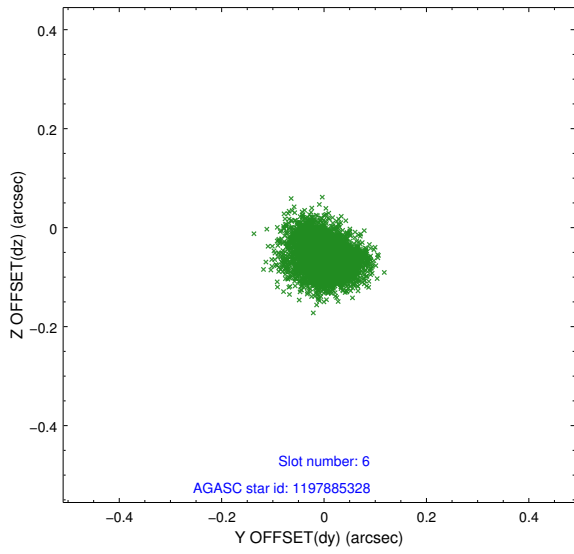
2.4.2 Slot 4



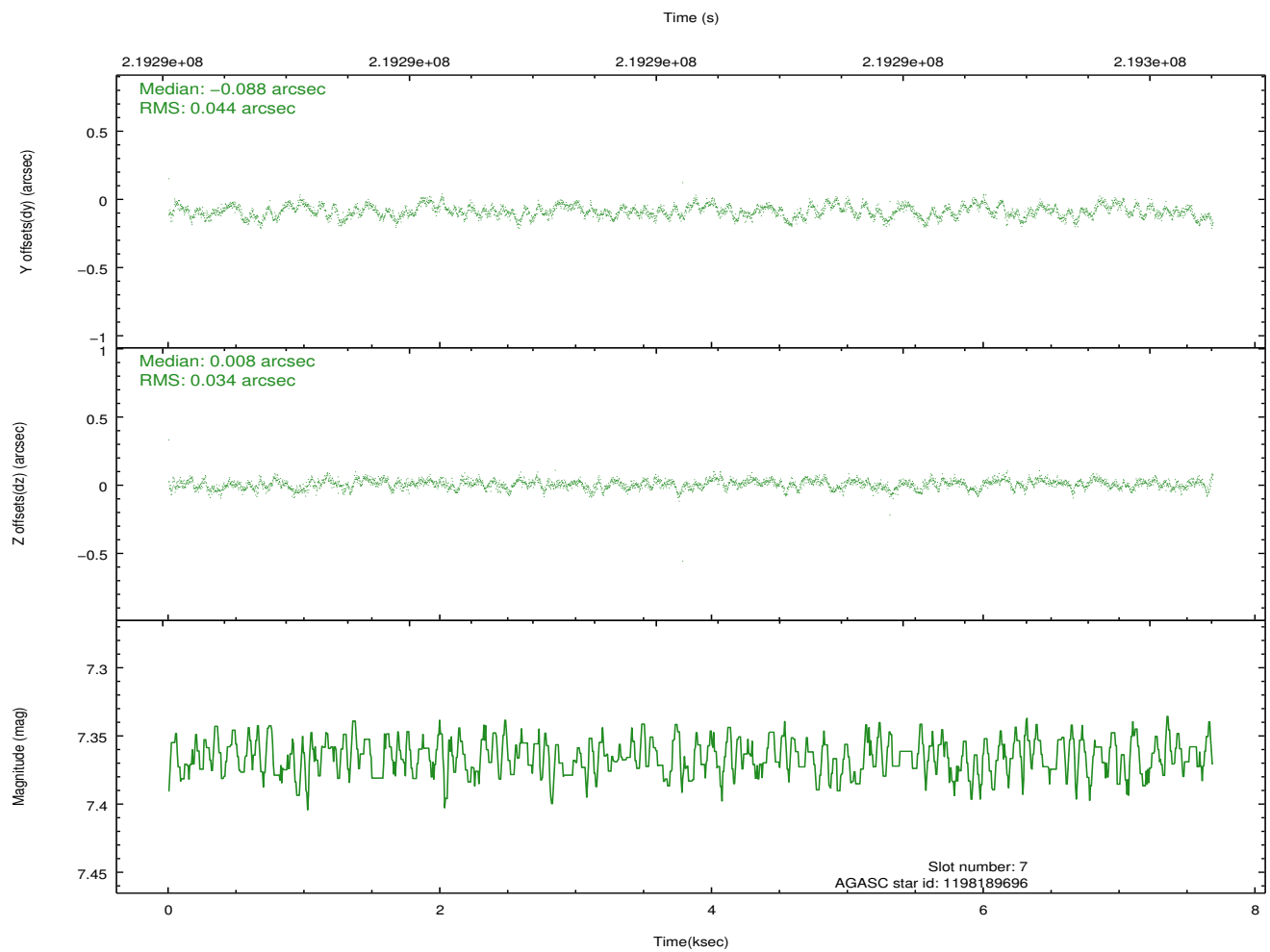
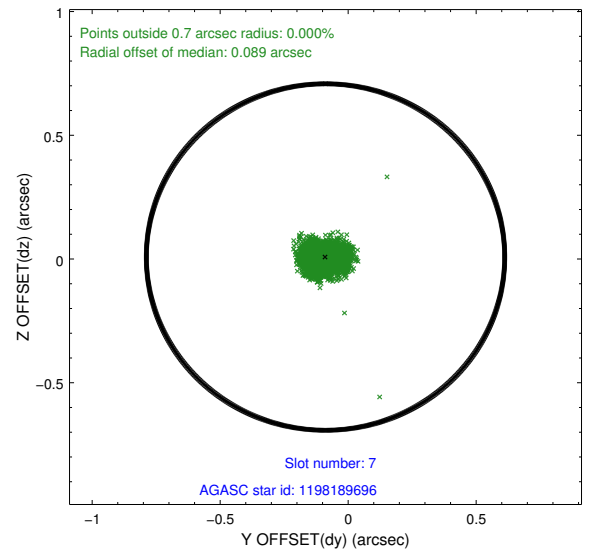
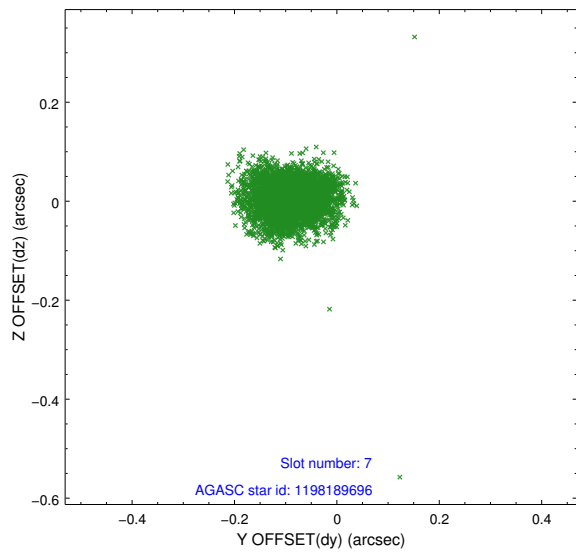
2.4.3 Slot 5



2.4.4 Slot 6

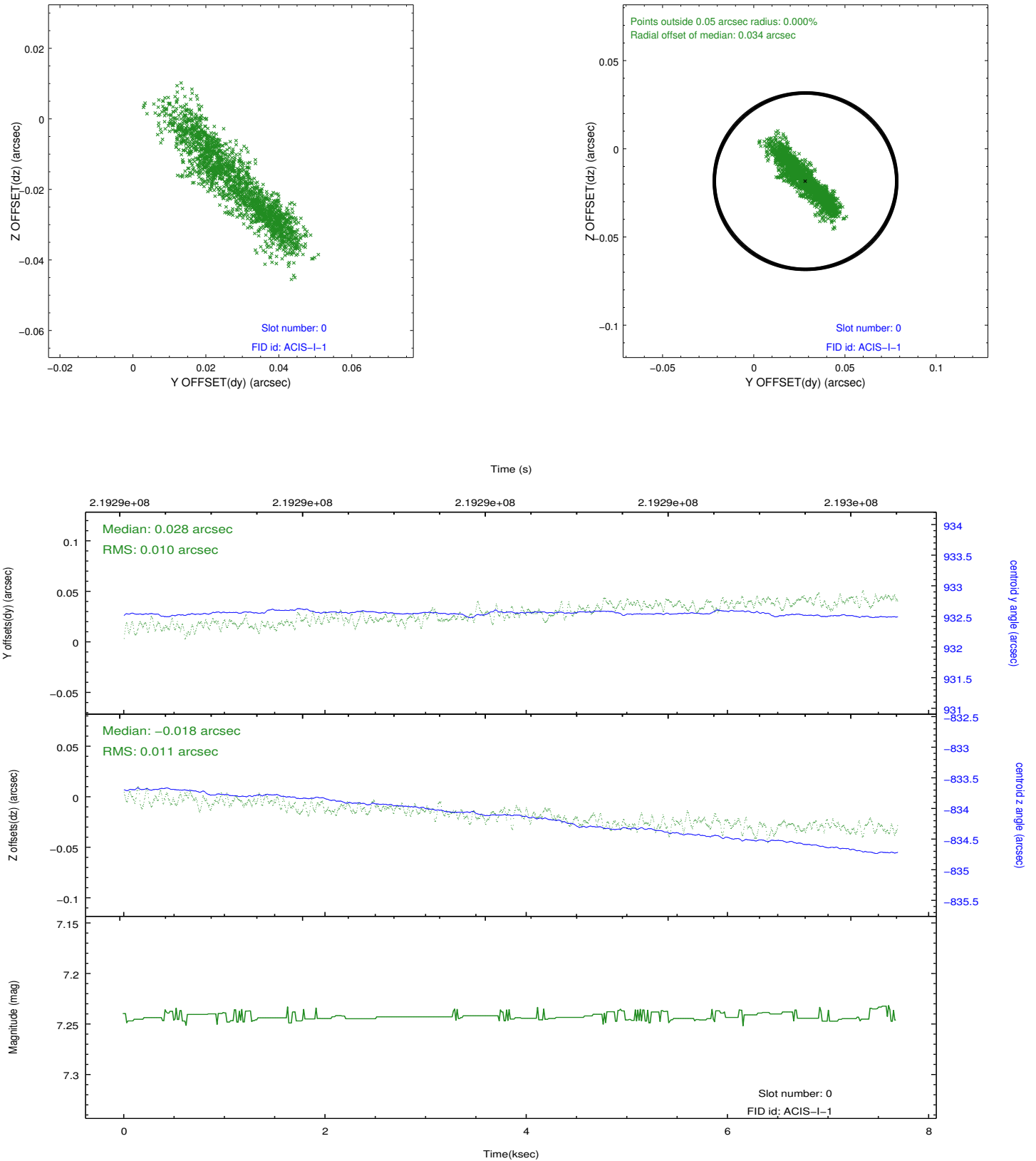


2.4.5 Slot 7

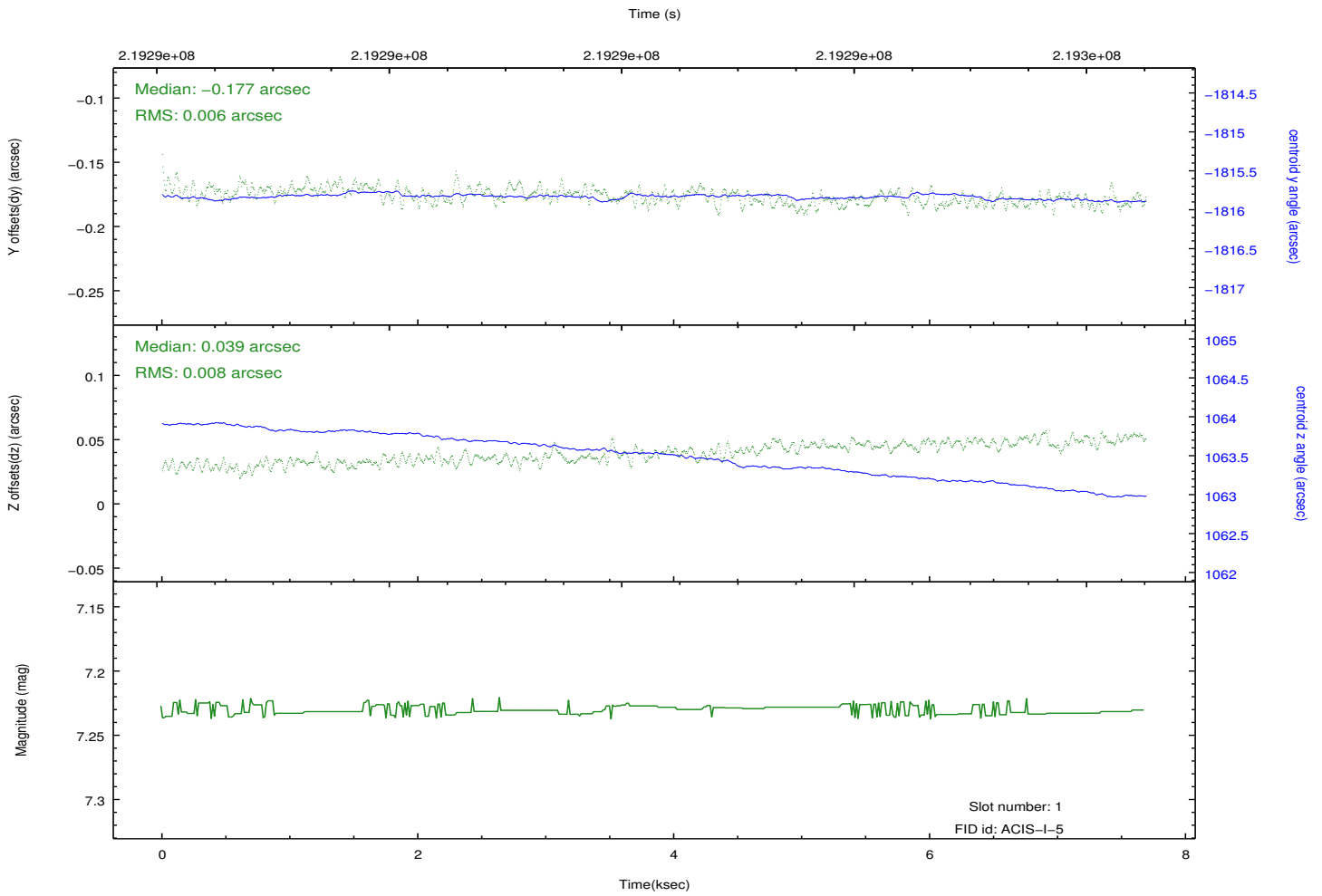
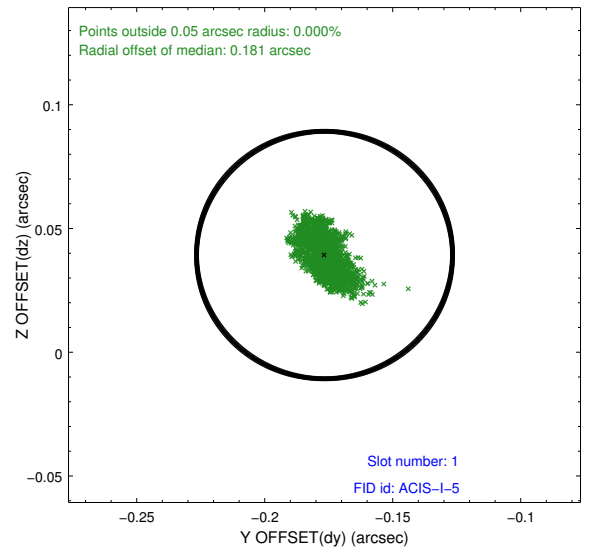
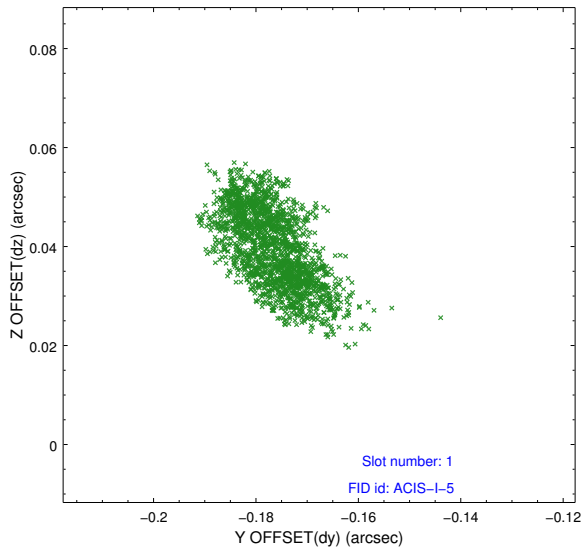


2.5 FID Slots

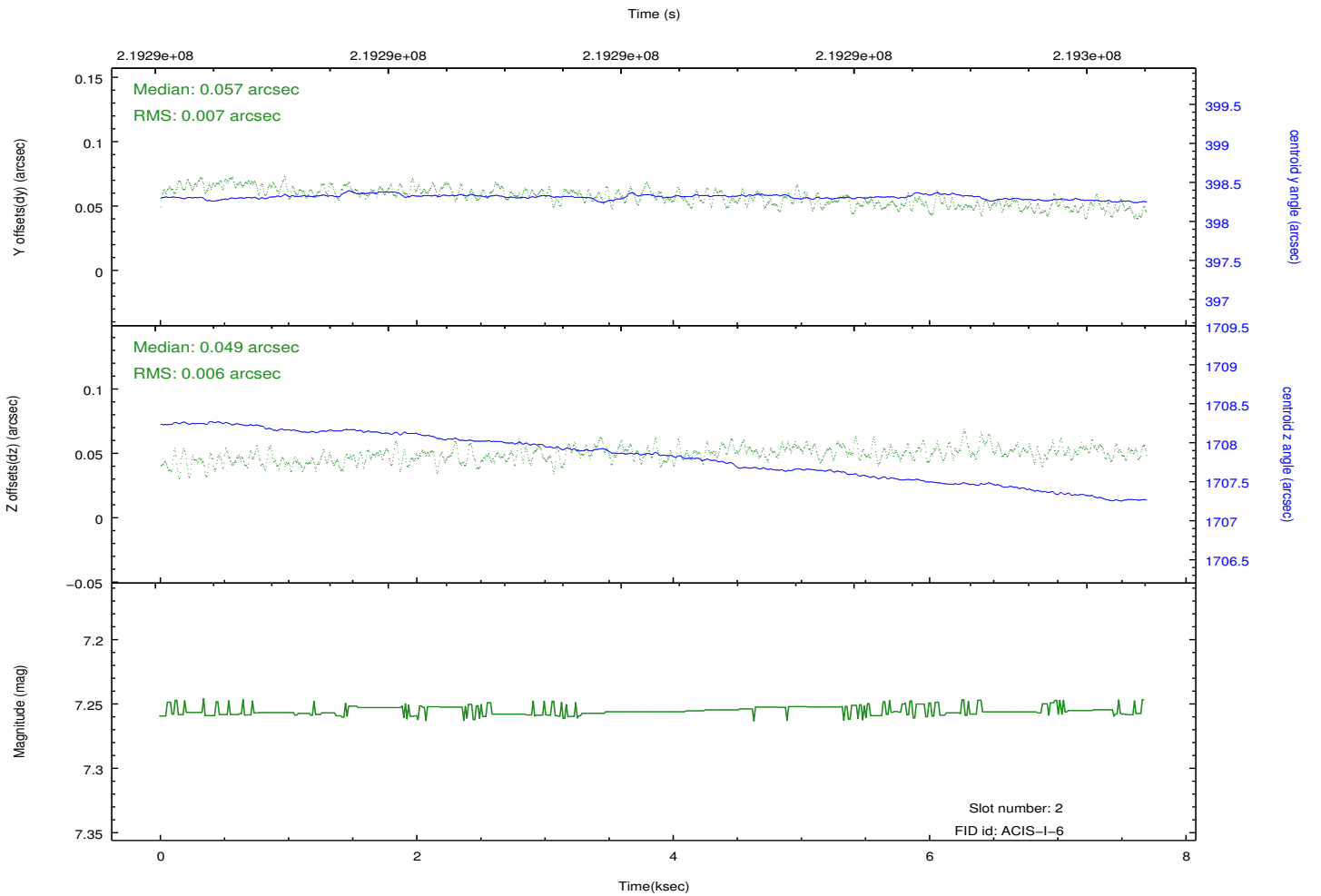
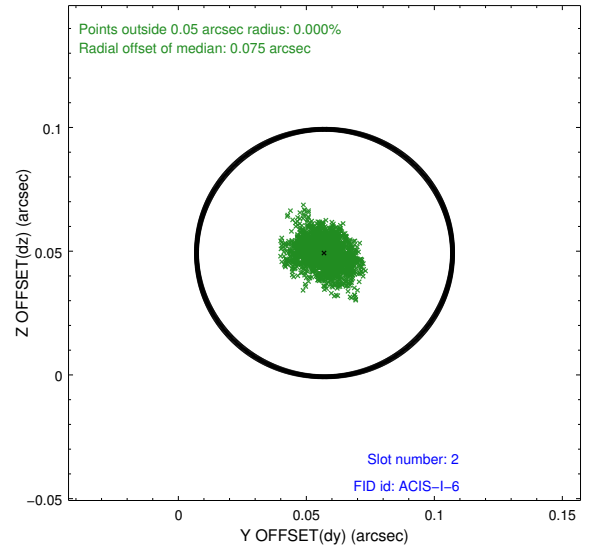
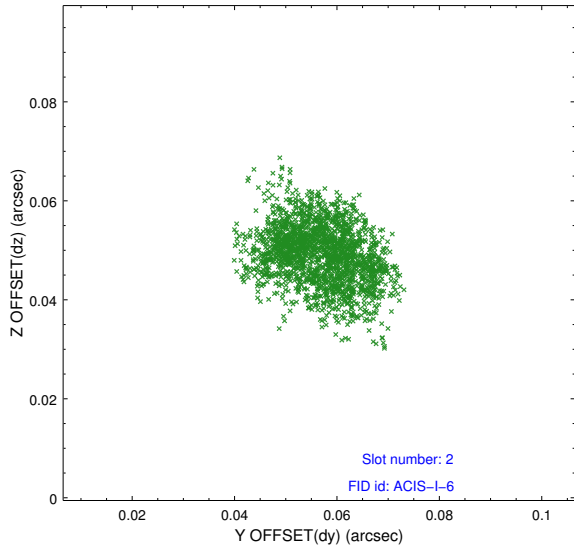
2.5.1 Slot 0



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)	2013.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.673559

A.2 Comments

Window constraint satisfied.