

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2044 - L2 Version 3
Chandra X-Ray Center

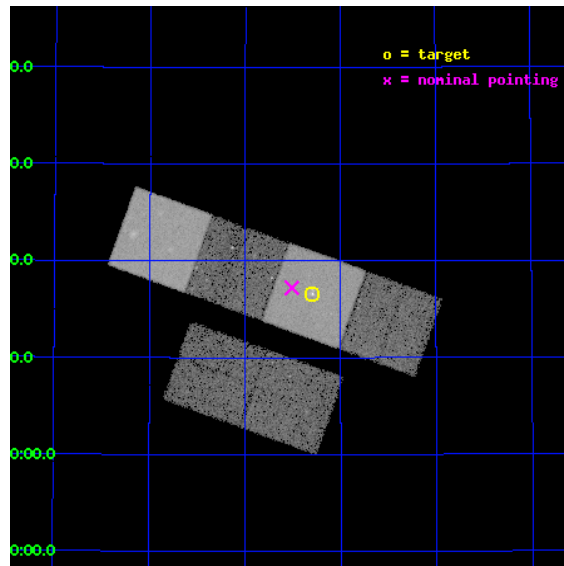
L2 Processing Date : Sep 26 2012

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1 Front

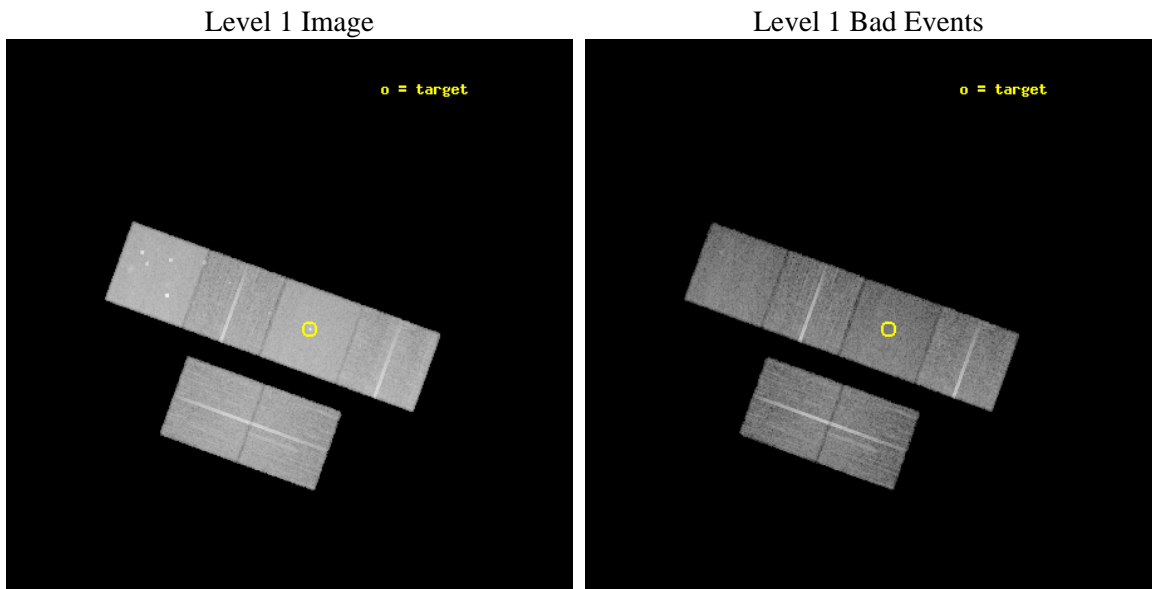
seq_num	600178	Sequence number
obs_id	2044	Observation id
title	THE EVOLUTION OF GAS EJECTION FROM MERGING GALAXIES	Proposal title
observer	Dr. Andrew Read	Principal investigator
object	MARKARIAN 266	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	204.57375	Observer's specified target RA [deg]
dec_targ	48.276111	Observer's specified target Dec [deg]
ra_nom	204.62758630138	Nominal RA [deg]
dec_nom	48.287111267282	Nominal Dec [deg]
roll_nom	19.788040531285	Nominal Roll [deg]
revision	3	Processing version of data
ontime	19945.600018561	Sum of GTIs [s]
livetime	19693.036821327	Livetime [s]
ontime2	19945.600018561	Sum of GTIs [s]
ontime3	19945.600018561	Sum of GTIs [s]
ontime5	19945.600018561	Sum of GTIs [s]
ontime6	19942.359058306	Sum of GTIs [s]
ontime7	19945.600018561	Sum of GTIs [s]
ontime8	19945.600018561	Sum of GTIs [s]
l2events	209746	Number of level 2 events



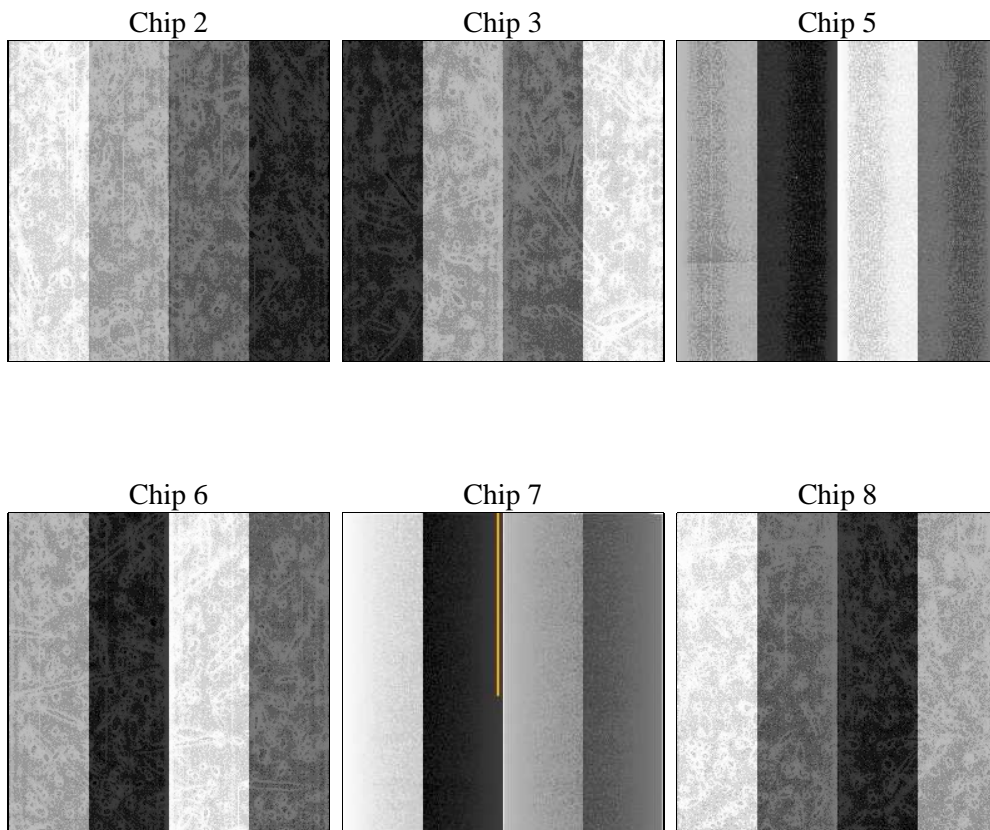
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	19945.600018561	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	19945.600018561	Sum of GTIs [s]
date	2012-09-26T03:10:37	Date and time of file creation	ontime3	19945.600018561	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	19945.600018561	Sum of GTIs [s]
			ontime6	19942.359058306	Sum of GTIs [s]
			ontime7	19945.600018561	Sum of GTIs [s]
			ontime8	19945.600018561	Sum of GTIs [s]
			l1events	902353	Number of level 1 events

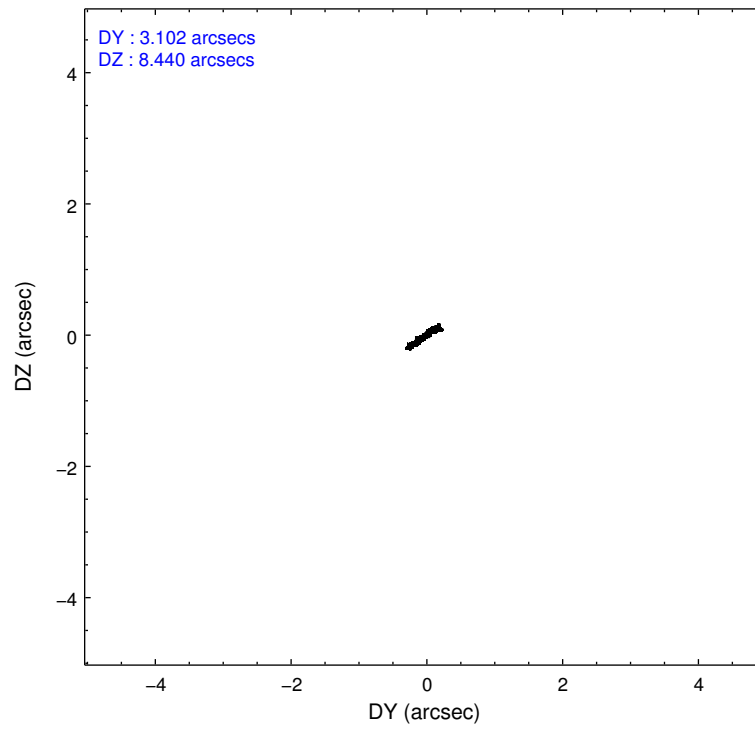
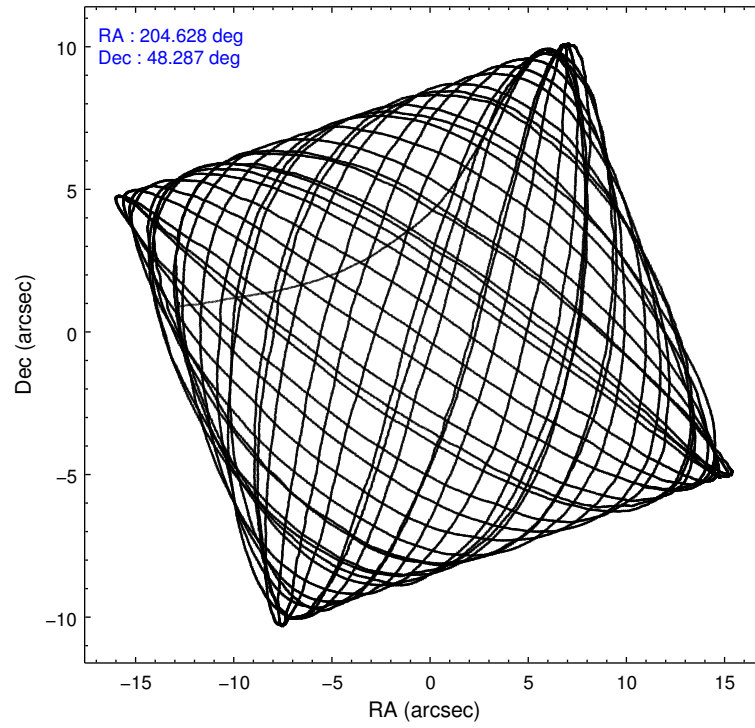
2.1.4 Events

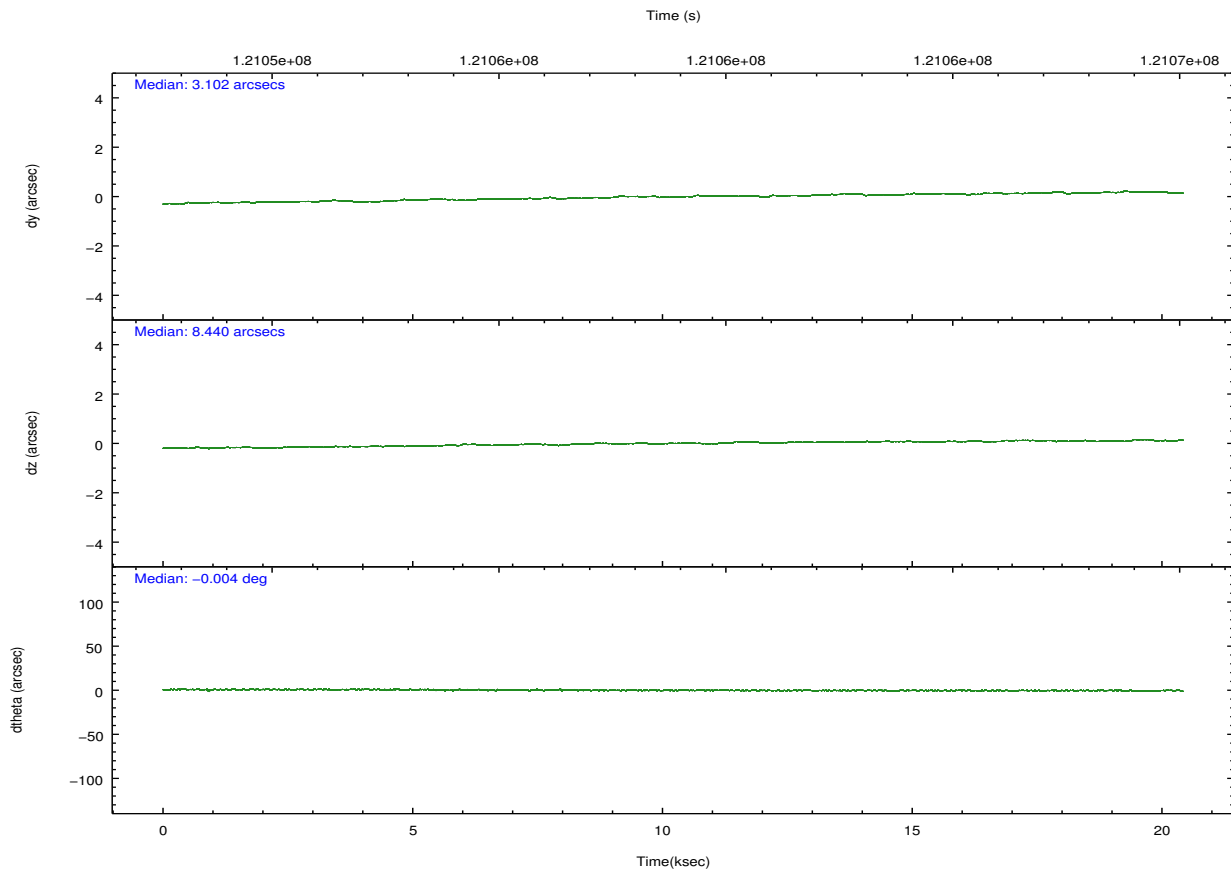
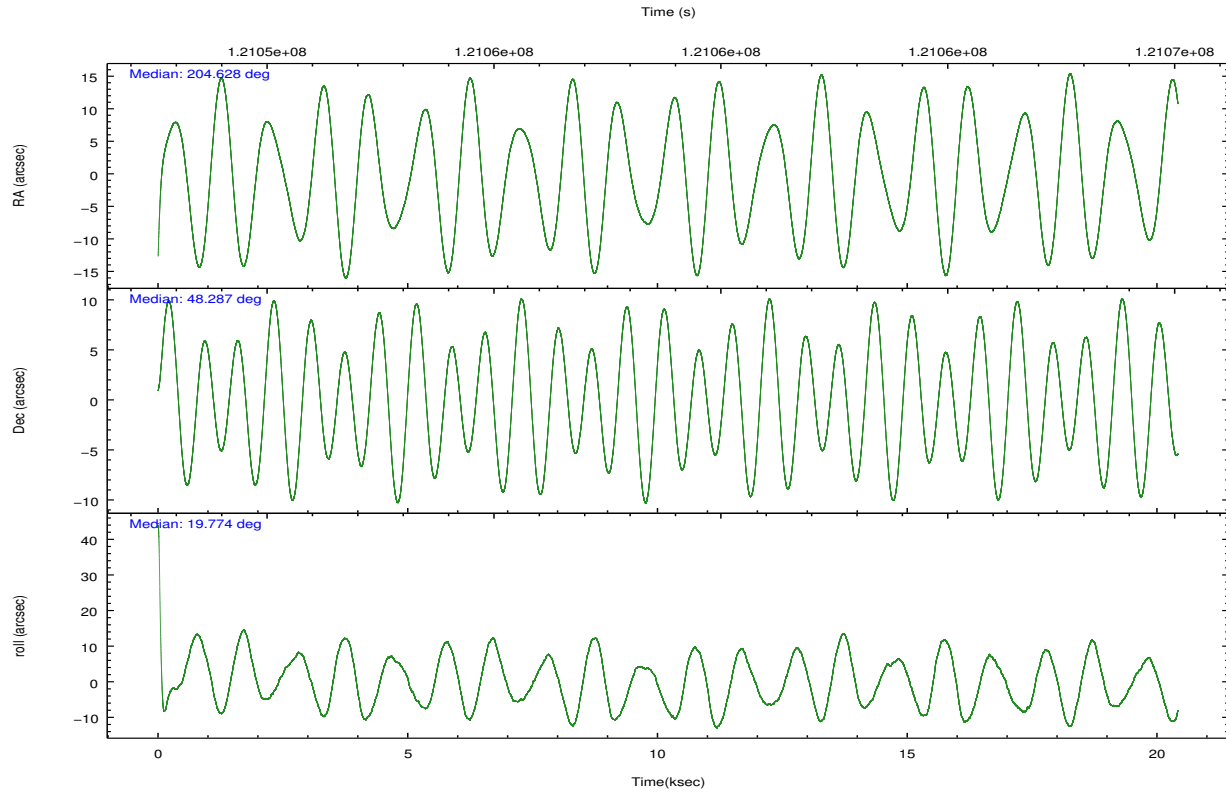
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	130423	123739	189591	130094	170483	158023	grade 0 events	6132	6111	13127	6334	8040	10048
rejected events	115820	109406	98120	114640	95370	126575		4%	4%	6%	4%	4%	6%
rejected %	88%	88%	51%	88%	55%	80%	grade 1 events	47	50	228	65	149	95
								0%	0%	0%	0%	0%	0%
							grade 2 events	3208	2902	25674	3161	14715	7030
								2%	2%	13%	2%	8%	4%
							grade 3 events	1370	1346	4019	1548	6808	3220
								1%	1%	2%	1%	3%	2%
							grade 4 events	1343	1419	3735	1504	6771	2978
								1%	1%	1%	1%	3%	1%
							grade 5 events	4319	4947	13529	5398	16030	6971
								3%	3%	7%	4%	9%	4%
							grade 6 events	2554	2555	44966	2910	38817	8185
								1%	2%	23%	2%	22%	5%
							grade 7 events	111450	104409	84313	109174	79153	119496
								85%	84%	44%	83%	46%	75%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	204.601479	204.6275863013821	Subarray requested	NONE	NONE
[deg] Pointing Dec	48.266065	48.28711126728241	Alternating exposures requested	N	N
[deg] Pointing Roll	19.650869	19.78804053128456	[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)	121049044.184000	121047970.72952			
Observation start date	2001-11-02T00:43:00	2001-11-02T00:26:10			
[s] Observation end time (MET)	121069044.184000	121069669.98038			
Observation end date	2001-11-02T06:16:20	2001-11-02T06:27:49			
Read mode	TIMED	TIMED			

2.3 Aspect



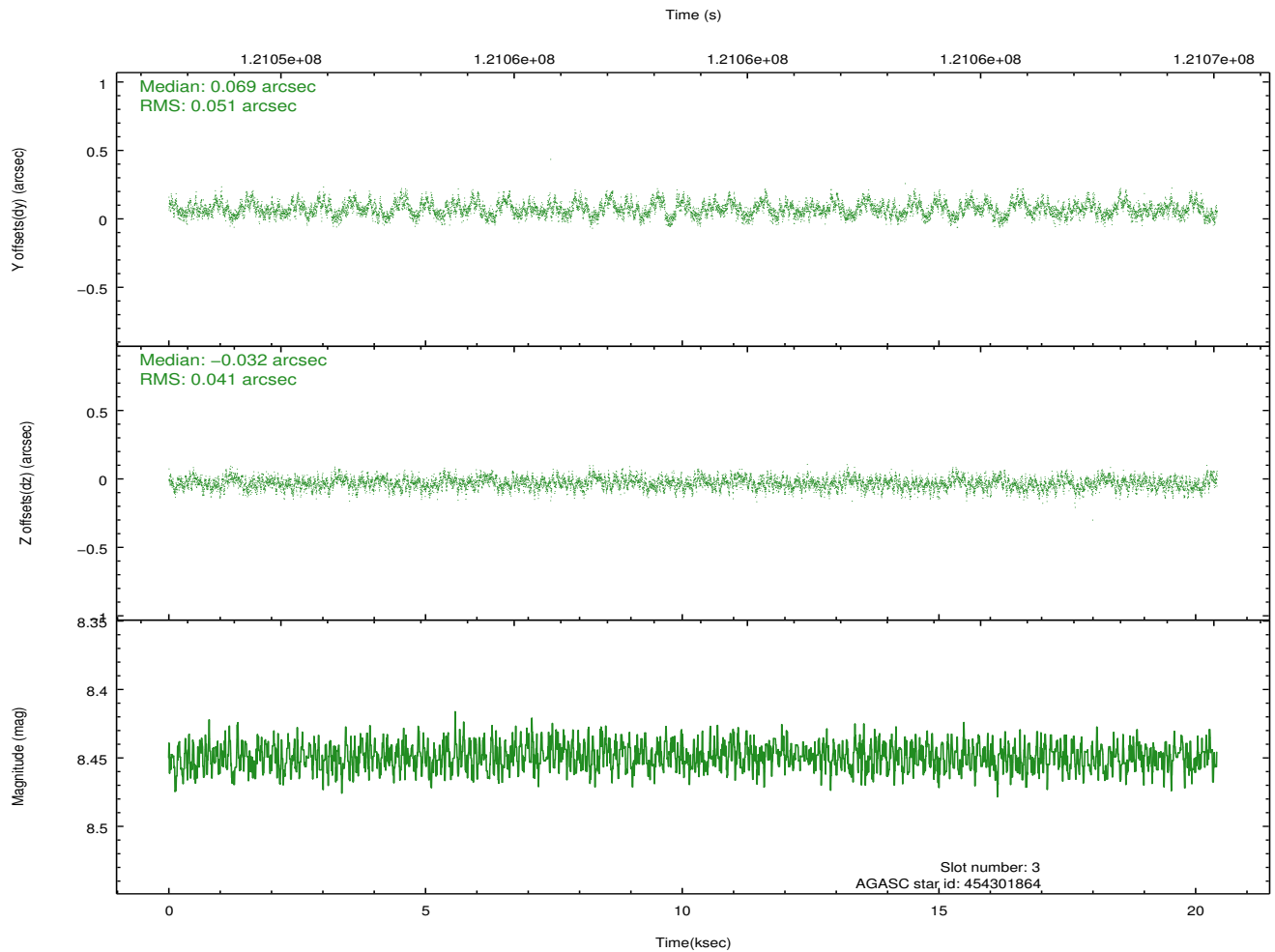
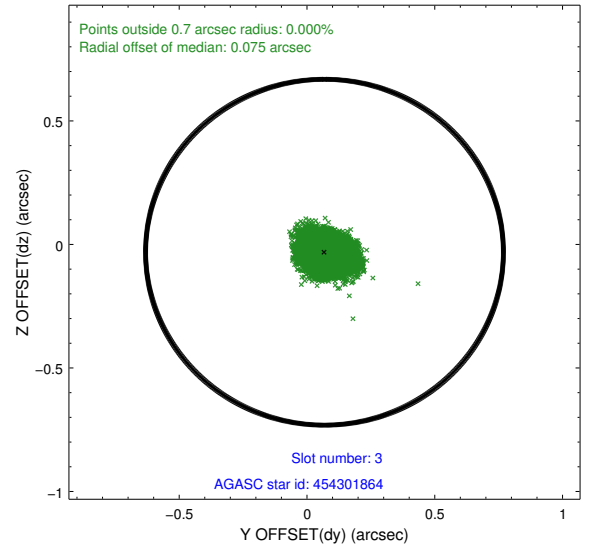
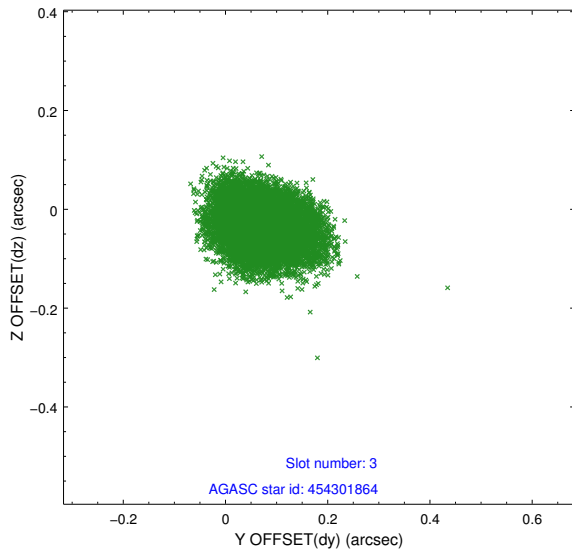


Slot Statistics

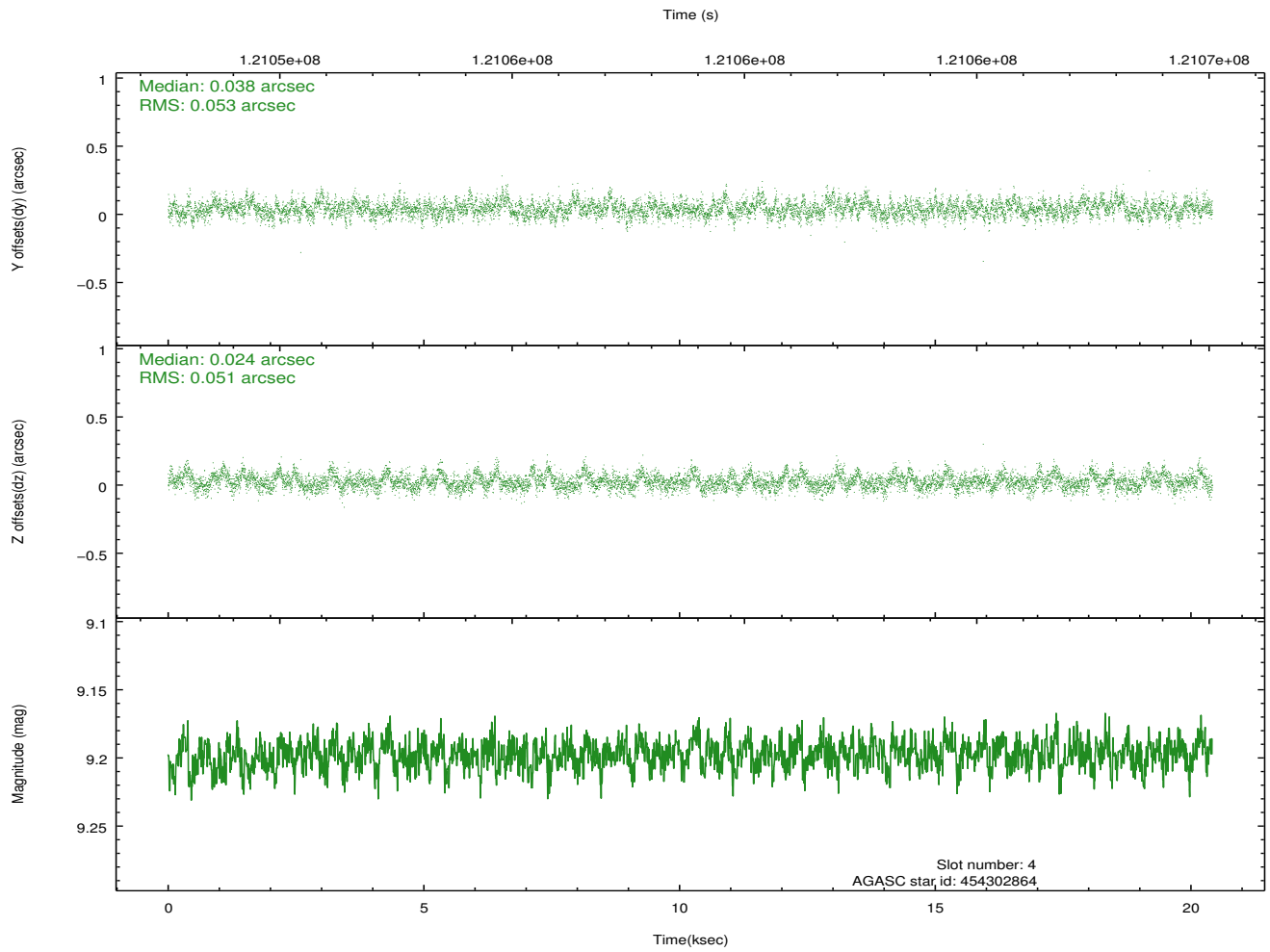
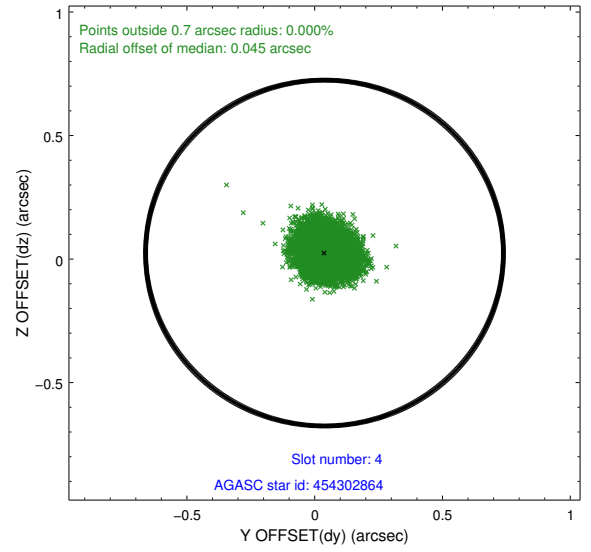
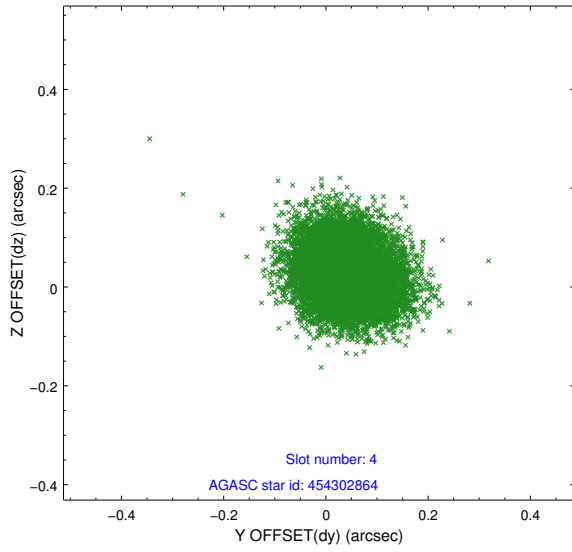
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	4978	-0.002	-0.003	0.007	0.012	0.000000	0.000000	-755.73	-1729.63
1	FID	ACIS-S-4	7.20	4978	-0.040	0.002	0.008	0.014	0.000000	0.000000	2157.43	178.66
2	FID	ACIS-S-5	7.24	4979	0.011	0.010	0.007	0.013	0.000000	0.000000	-1808.32	172.56
3	GUIDE	454301864	8.45	9959	0.069	-0.032	0.070	0.112	204.450199	48.049212	-605.31	-612.48
4	GUIDE	454302864	9.20	9956	0.038	0.024	0.079	0.128	204.946325	48.301723	821.25	-154.82
5	GUIDE	454302448	9.08	9955	-0.194	0.321	0.060	0.098	204.463411	48.138135	-467.91	-321.70
6	GUIDE	454302000	9.47	9955	-0.046	0.010	0.078	0.128	205.226411	48.190021	1322.31	-756.04
7	GUIDE	454300616	9.50	9954	0.140	-0.325	0.124	0.196	203.773609	48.719893	-1299.39	2209.46

2.4 Star Slots

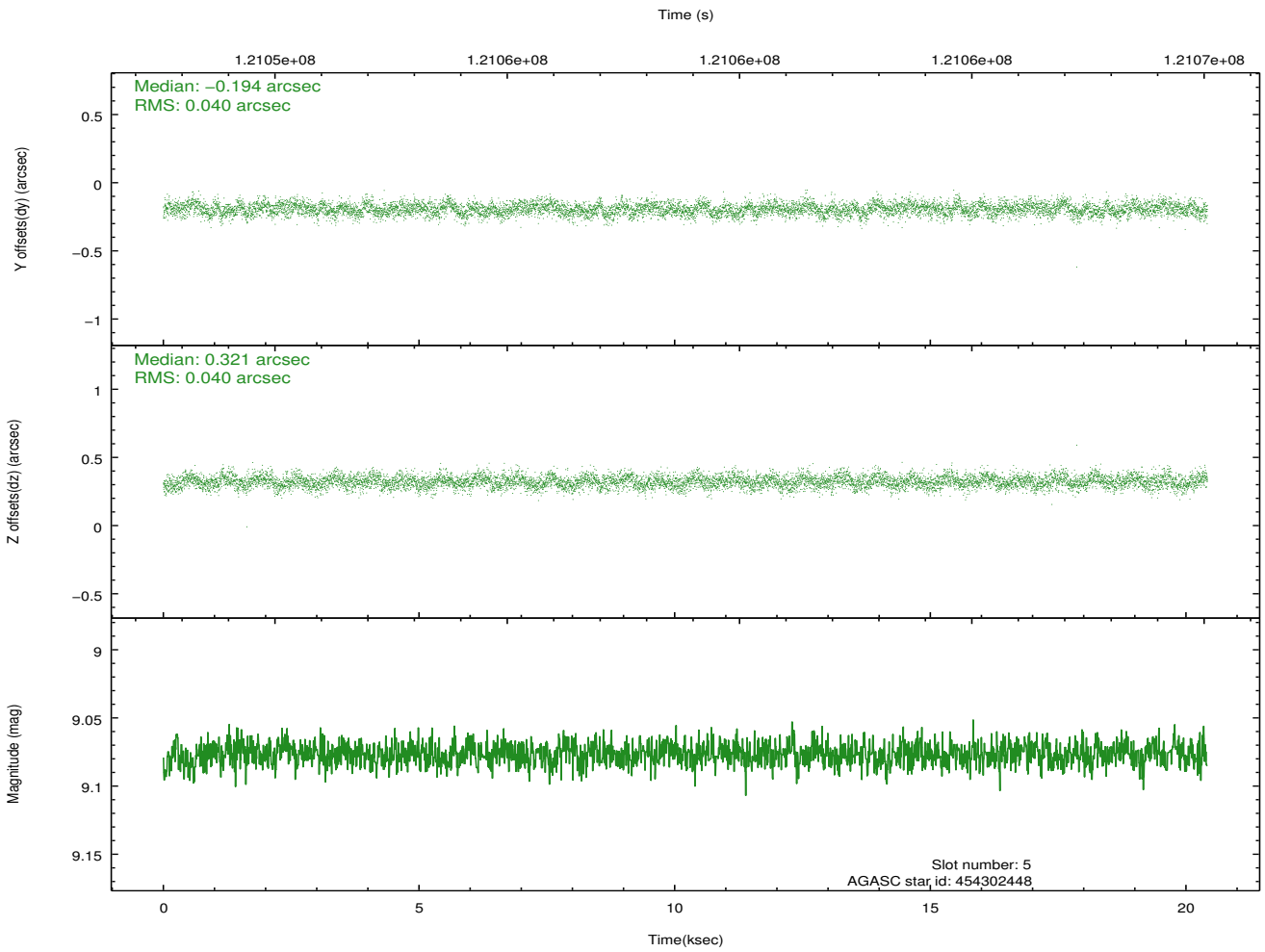
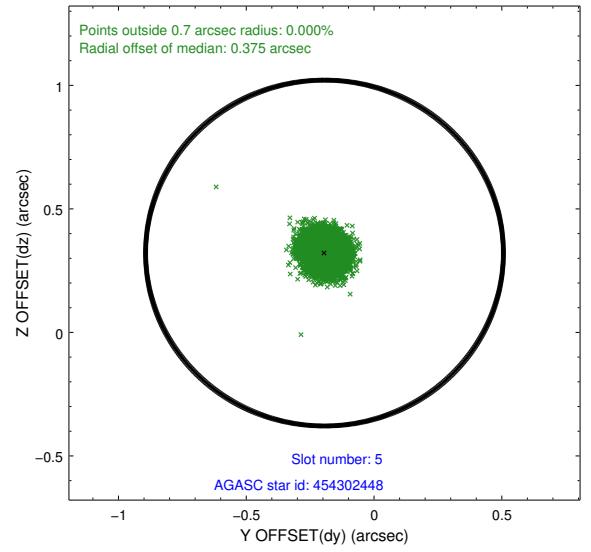
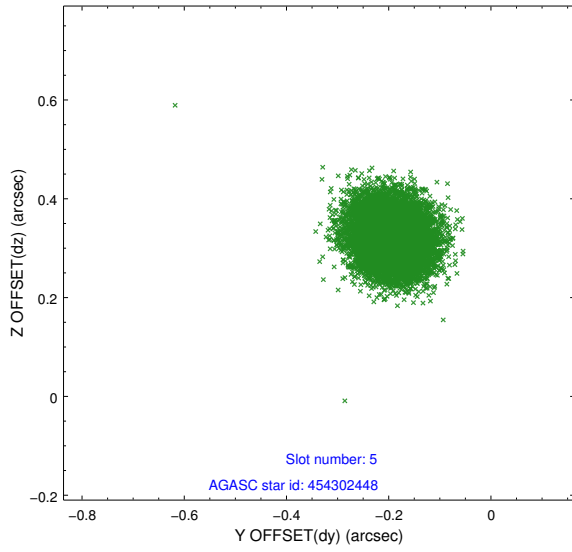
2.4.1 Slot 3



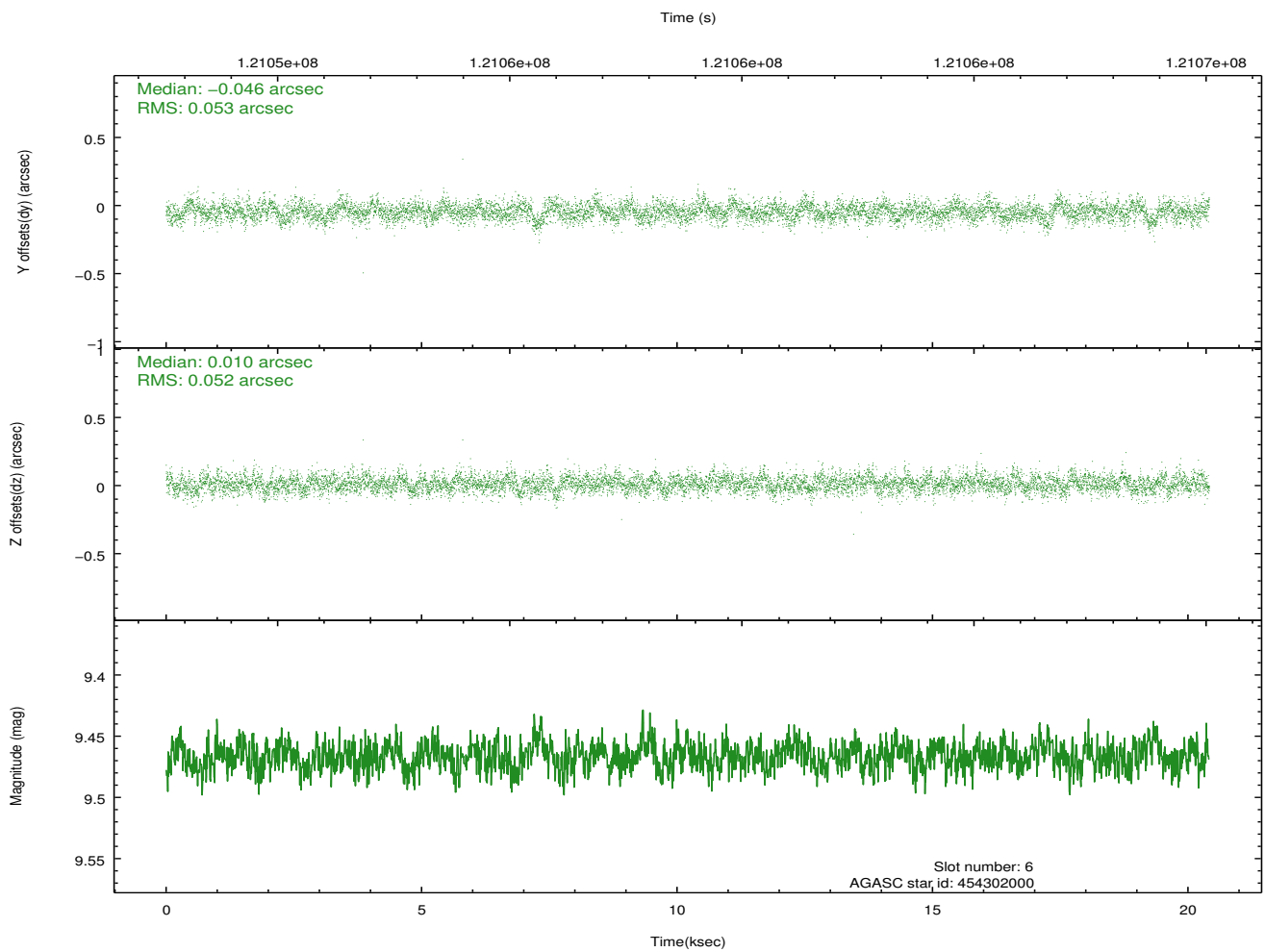
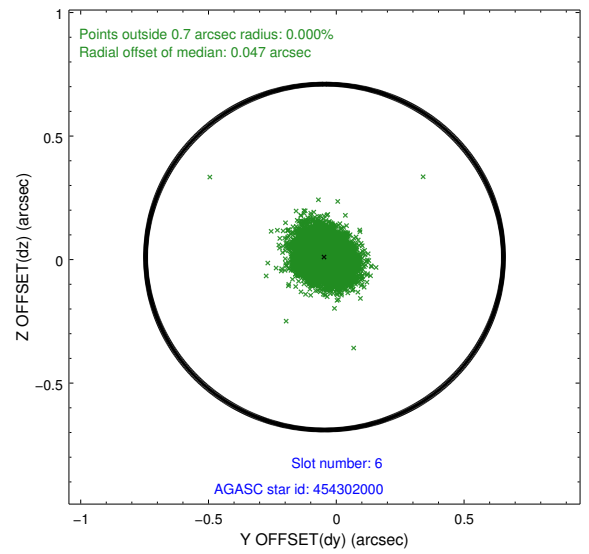
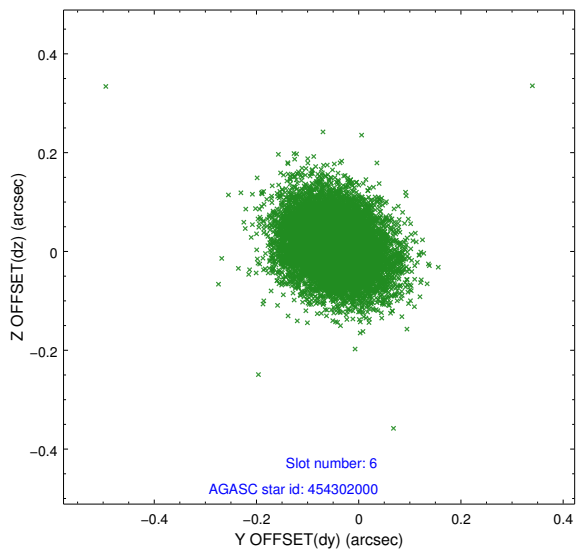
2.4.2 Slot 4



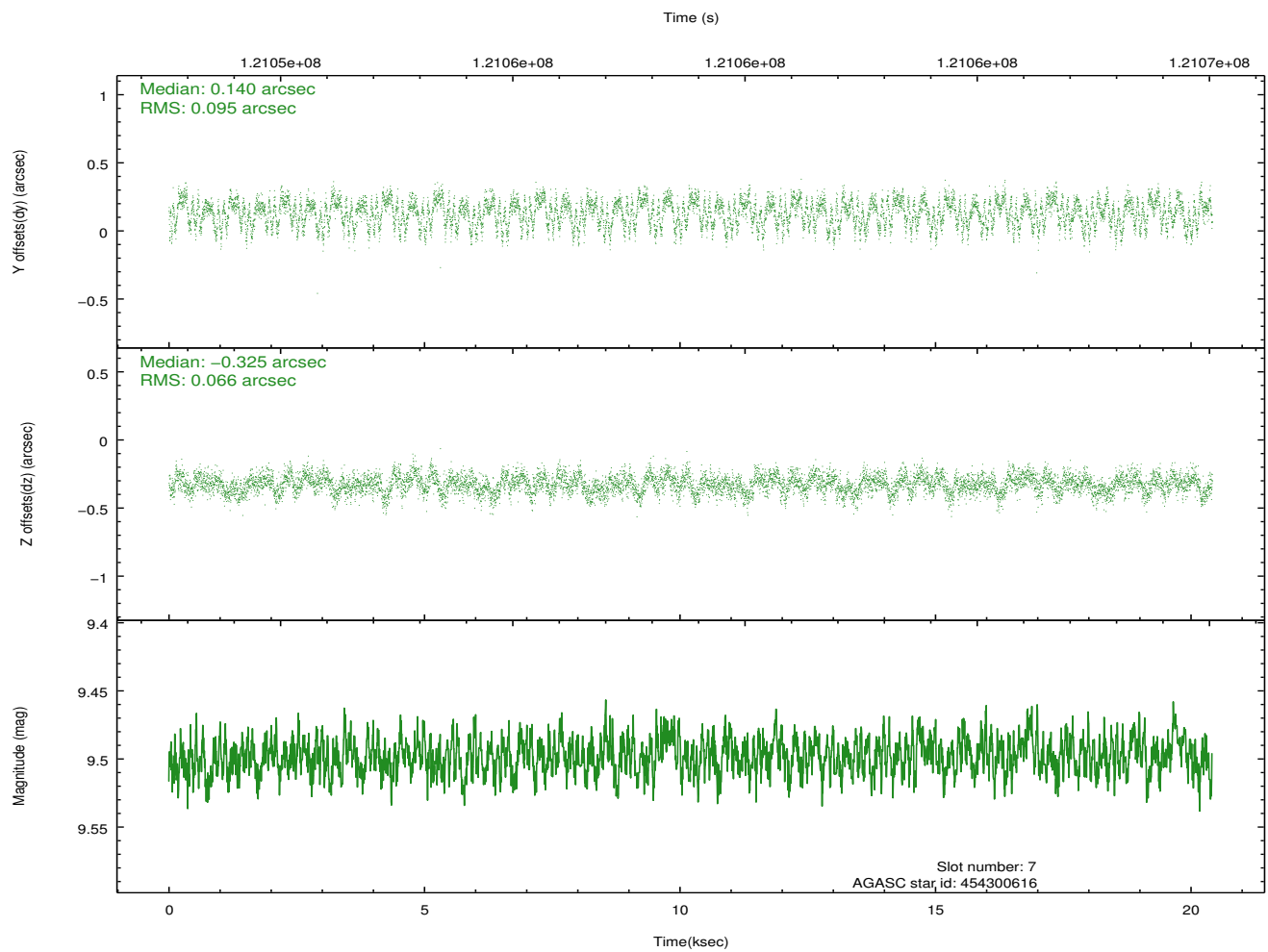
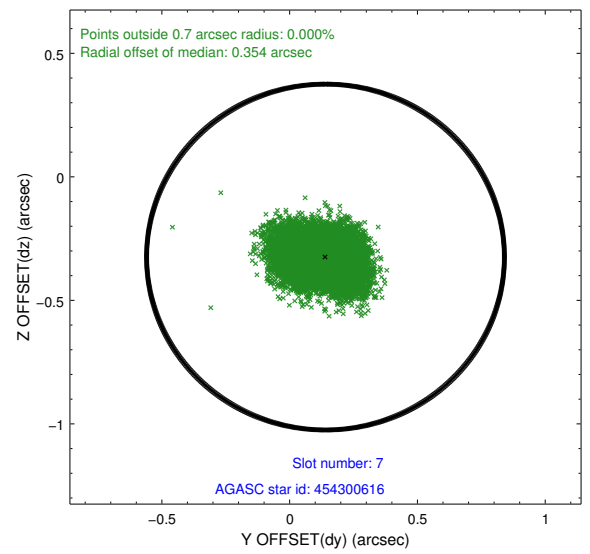
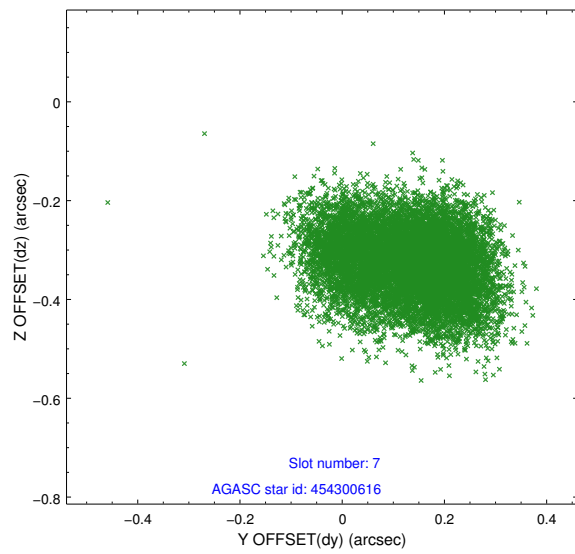
2.4.3 Slot 5



2.4.4 Slot 6

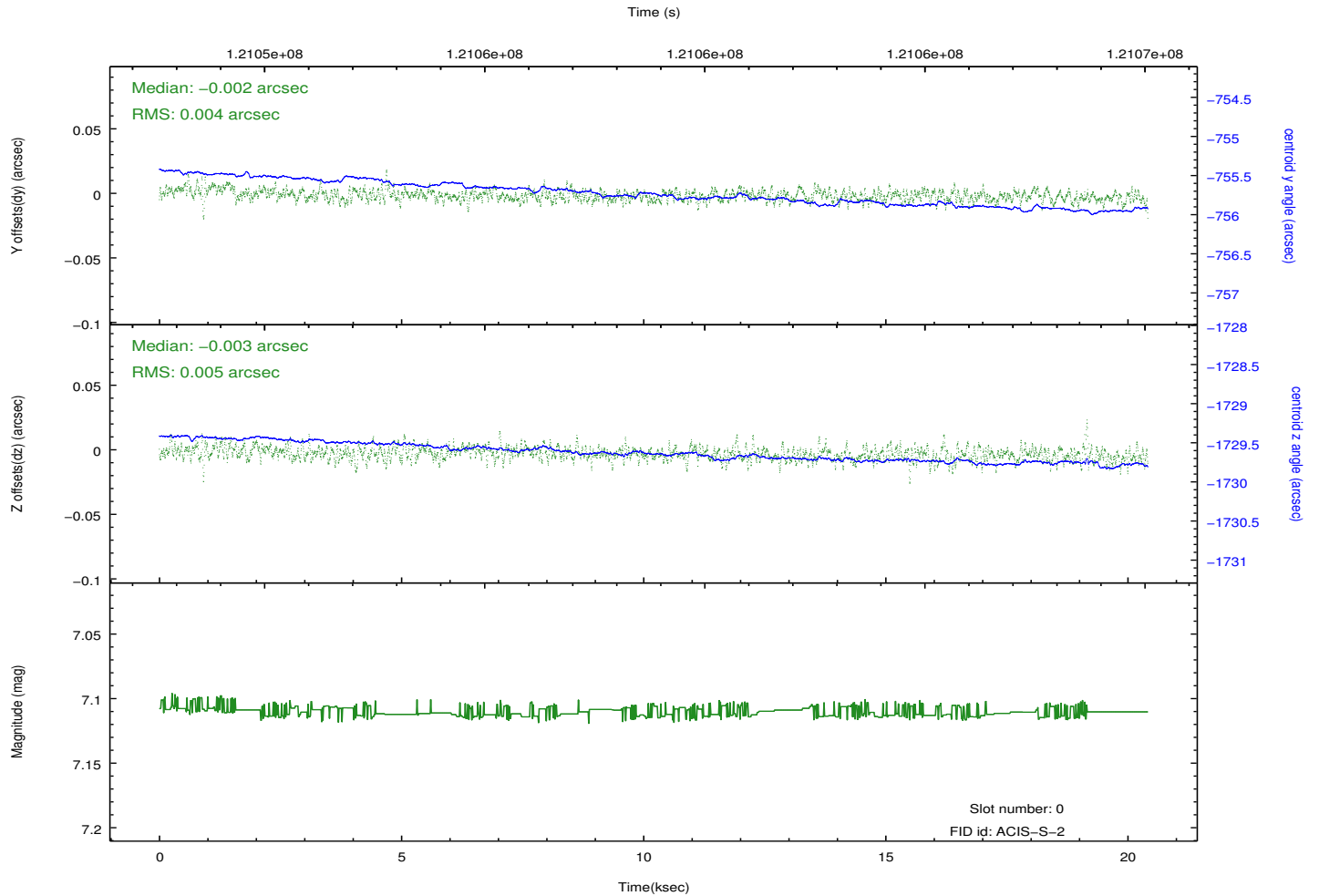
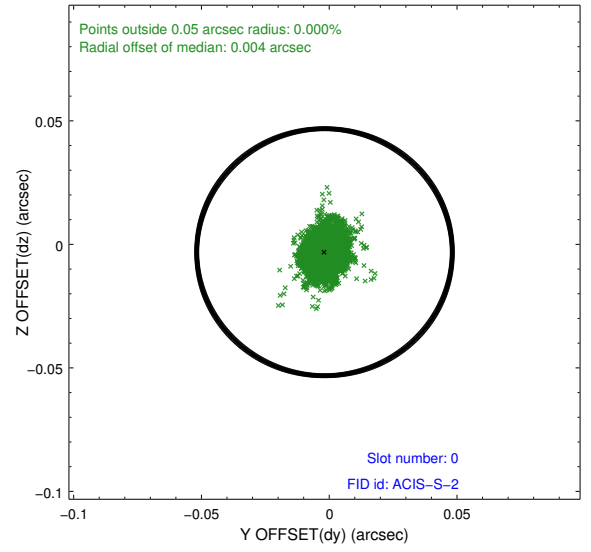
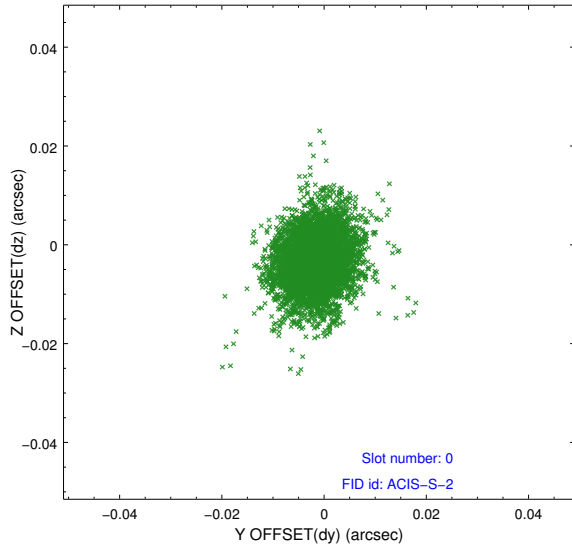


2.4.5 Slot 7

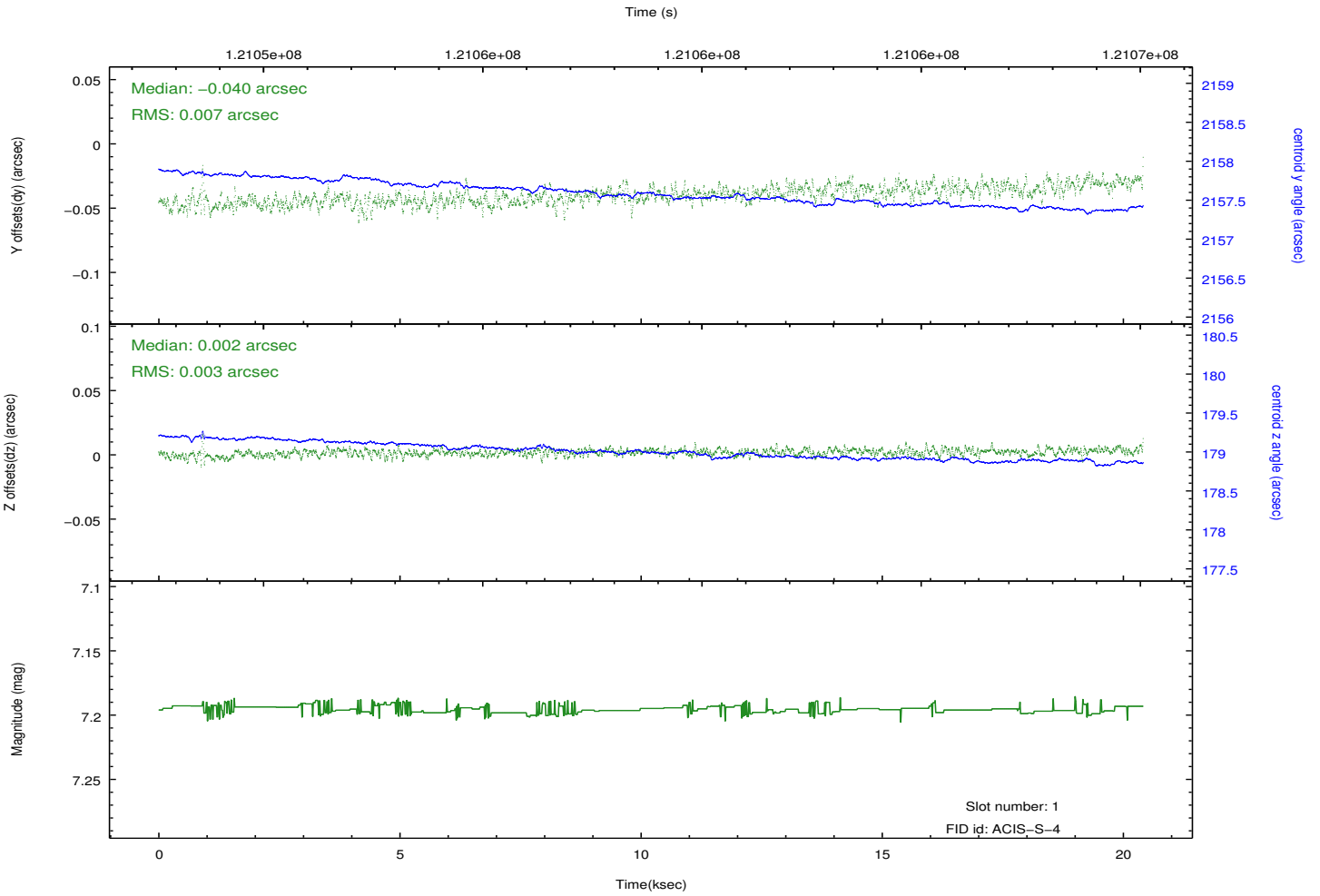
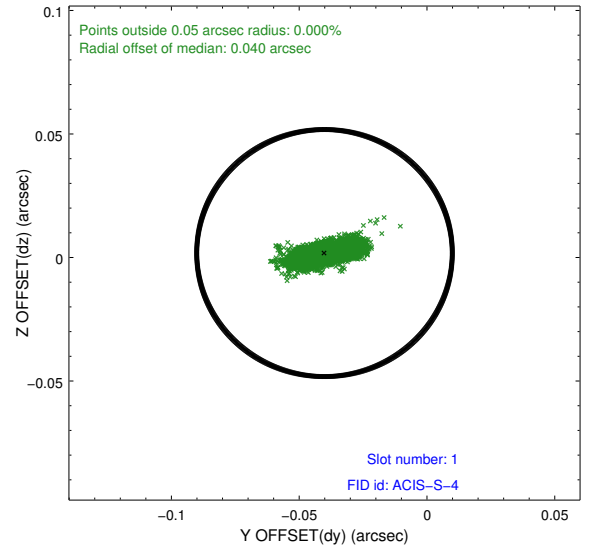
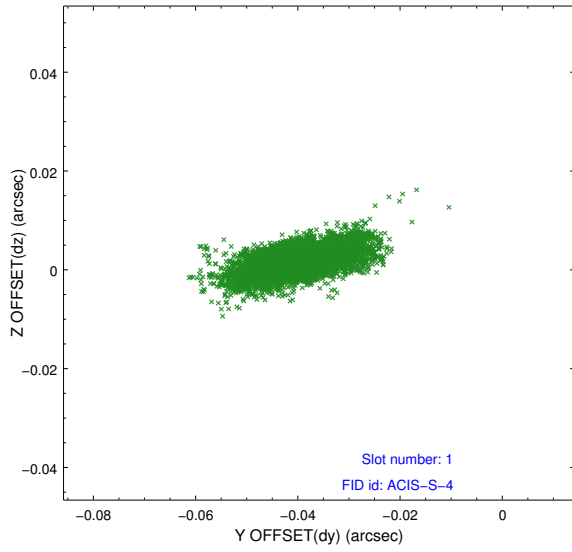


2.5 FID Slots

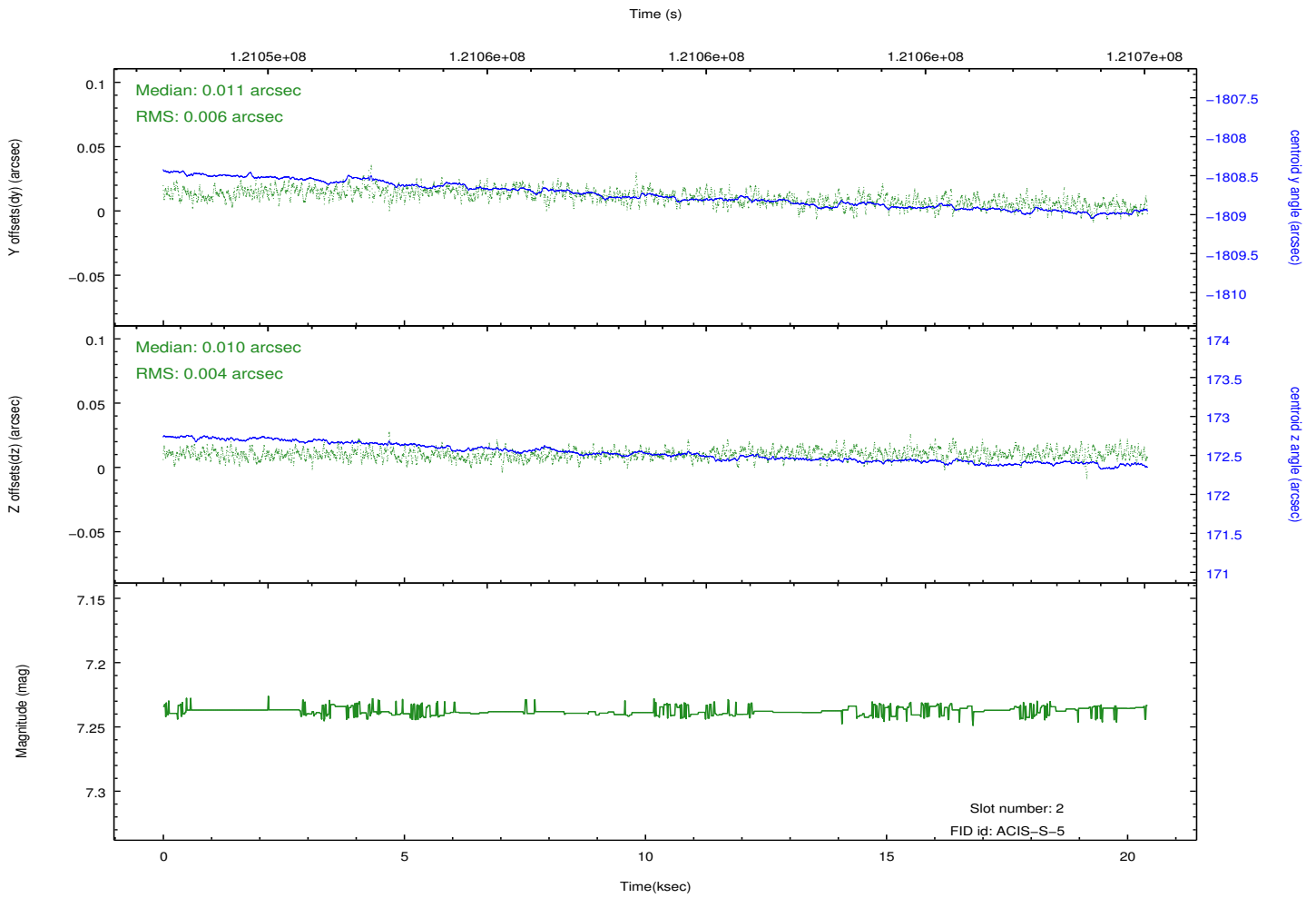
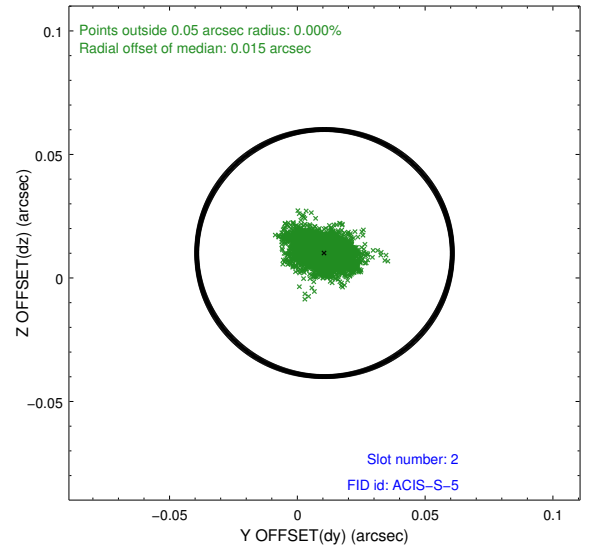
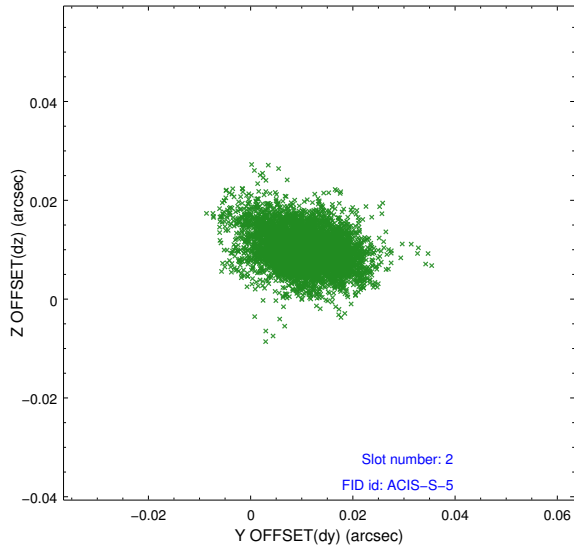
2.5.1 Slot 0



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)	2012.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.949

A.2 Comments