

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7832 - L2 Version 3
Chandra X-Ray Center

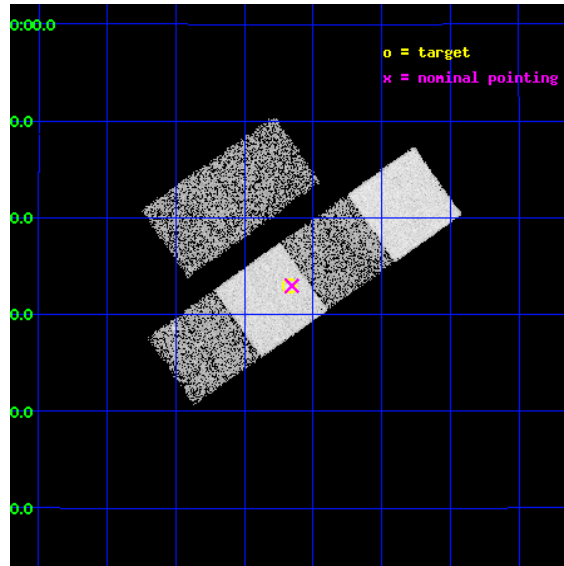
L2 Processing Date : Apr 23 2012

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1 Front

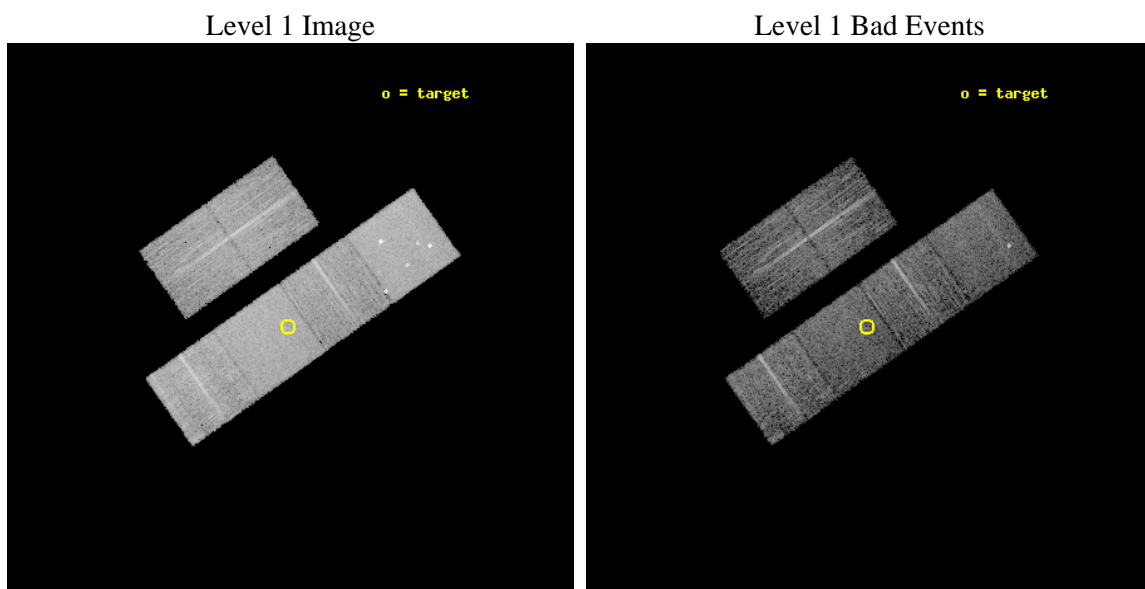
seq_num	701496	Sequence number
obs_id	7832	Observation id
title	Demographics of black holes in the local Universe.	Proposal title
observer	Prof. Smita Mathur	Principal investigator
object	UGC 9912	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	233.79375	Observer's specified target RA [deg]
dec_targ	16.549444	Observer's specified target Dec [deg]
ra_nom	233.78868565297	Nominal RA [deg]
dec_nom	16.549622432752	Nominal Dec [deg]
roll_nom	144.78043004262	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5180.7999807596	Sum of GTIs [s]
livetime	5115.1975719	Livetime [s]
ontime2	5167.836009562	Sum of GTIs [s]
ontime3	5180.7999807596	Sum of GTIs [s]
ontime5	5180.7999807596	Sum of GTIs [s]
ontime6	5180.7999807596	Sum of GTIs [s]
ontime7	5180.7999807596	Sum of GTIs [s]
ontime8	5180.7999807596	Sum of GTIs [s]
l2events	80355	Number of level 2 events



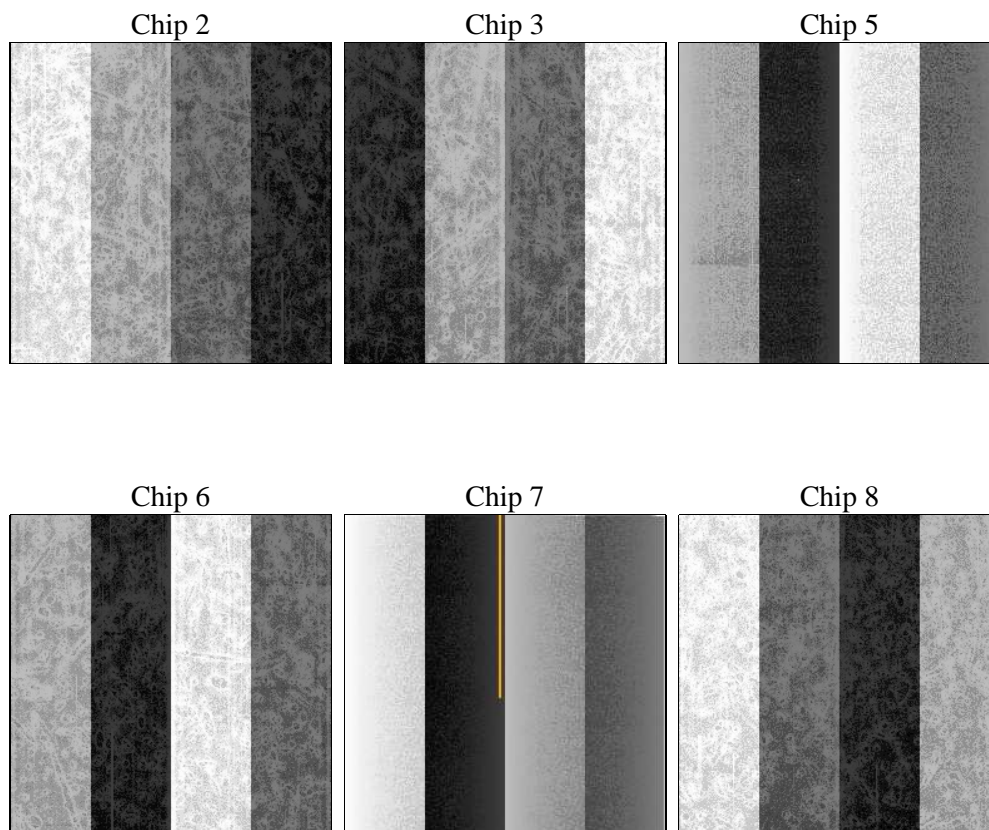
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5180.7999807596	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	5167.836009562	Sum of GTIs [s]
date	2012-04-23T20:18:53	Date and time of file creation	ontime3	5180.7999807596	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5180.7999807596	Sum of GTIs [s]
			ontime6	5180.7999807596	Sum of GTIs [s]
			ontime7	5180.7999807596	Sum of GTIs [s]
			ontime8	5180.7999807596	Sum of GTIs [s]
			l1events	361404	Number of level 1 events

2.1.4 Events

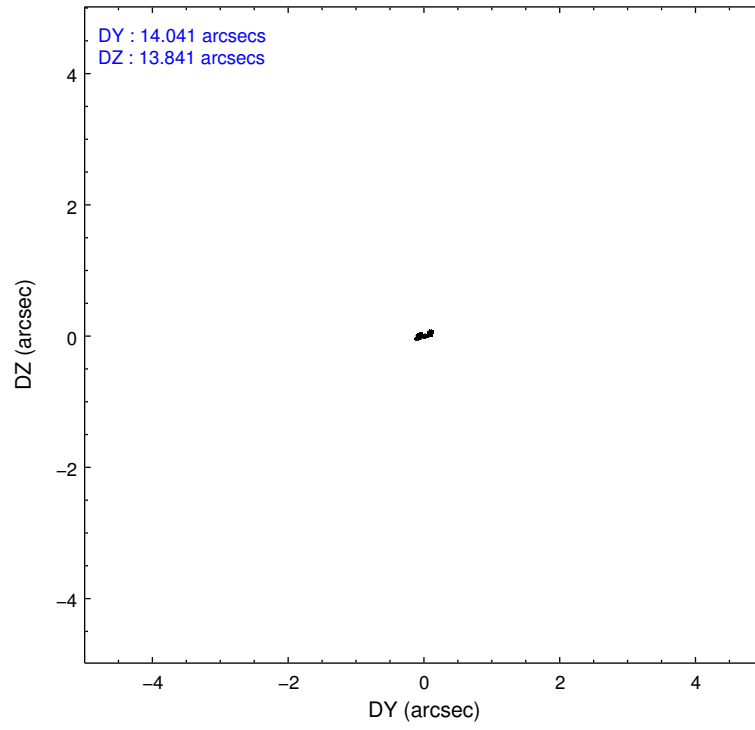
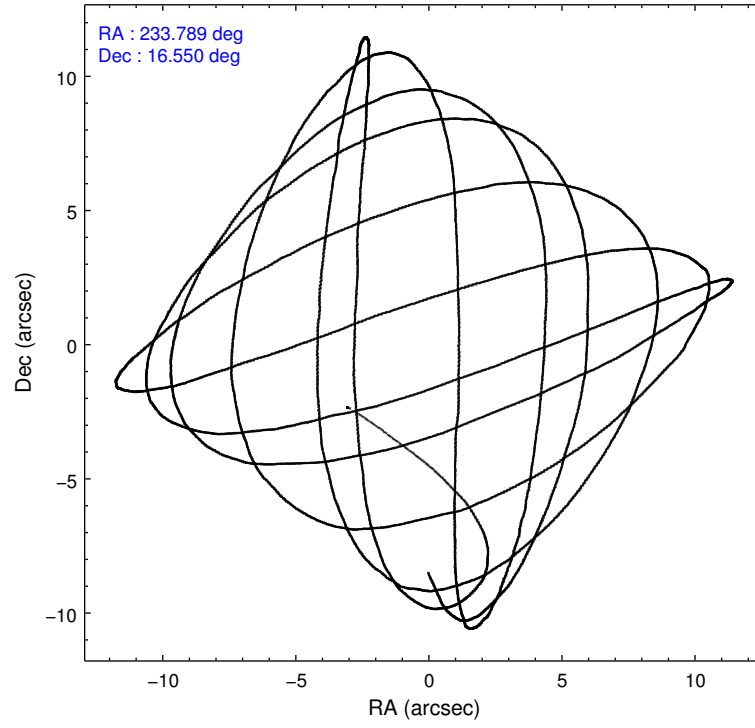
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	51563	47774	78850	50618	68373	64226	grade 0 events	2471	2539	5186	2477	2632	4654
rejected events	45967	42212	42099	44543	40317	50070		4%	5%	6%	4%	3%	7%
rejected %	89%	88%	53%	87%	58%	77%	grade 1 events	40	28	167	28	64	60
								0%	0%	0%	0%	0%	0%
							grade 2 events	1279	1066	10936	1343	5702	3083
								2%	2%	13%	2%	8%	4%
							grade 3 events	517	524	1417	535	2459	1589
								1%	1%	1%	1%	3%	2%
							grade 4 events	512	549	1283	568	2319	1441
								0%	1%	1%	1%	3%	2%
							grade 5 events	1925	2114	5502	2417	6382	3075
								3%	4%	6%	4%	9%	4%
							grade 6 events	895	957	18363	1238	15311	3537
								1%	2%	23%	2%	22%	5%
							grade 7 events	43924	39997	35996	42012	33504	46787
								85%	83%	45%	82%	49%	72%

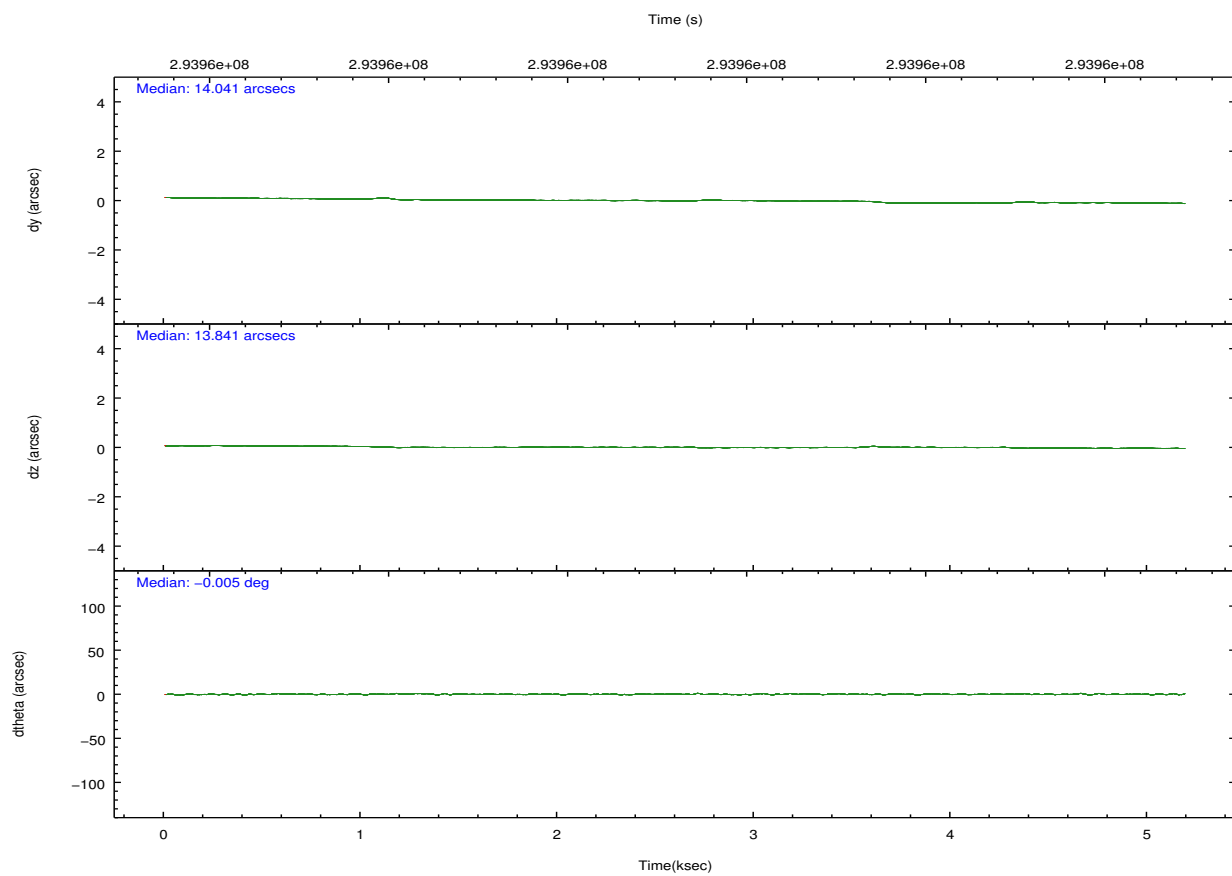
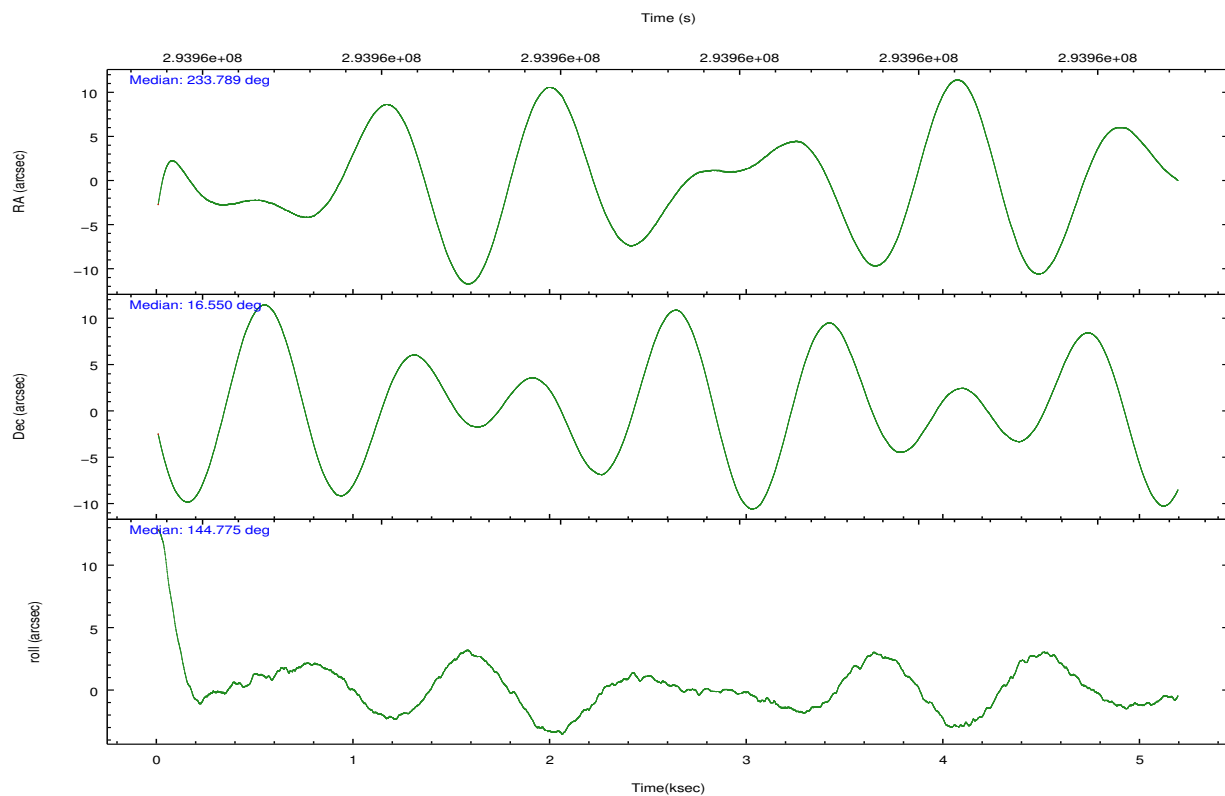
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	233.817142	233.7886856529658
[deg] Pointing Dec	16.547626	16.54962243275189
[deg] Pointing Roll	144.615669	144.7804300426188
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	293959205.184000	293958102.97854
Observation start date	2007-04-26T07:19:00	2007-04-26T07:01:42
[s] Observation end time (MET)	293964205.184000	293965317.95389
Observation end date	2007-04-26T08:42:20	2007-04-26T09:01:57
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



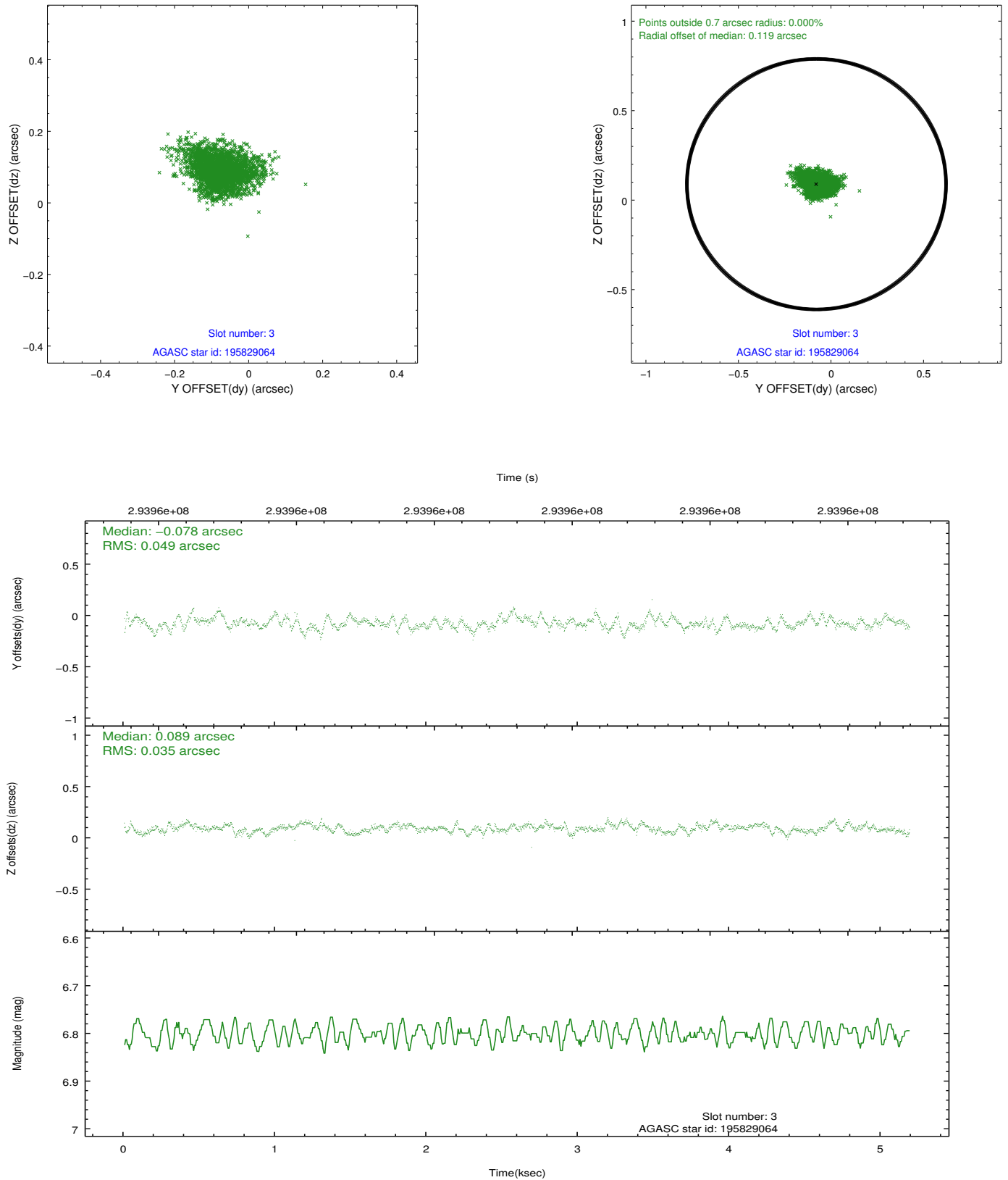


Slot Statistics

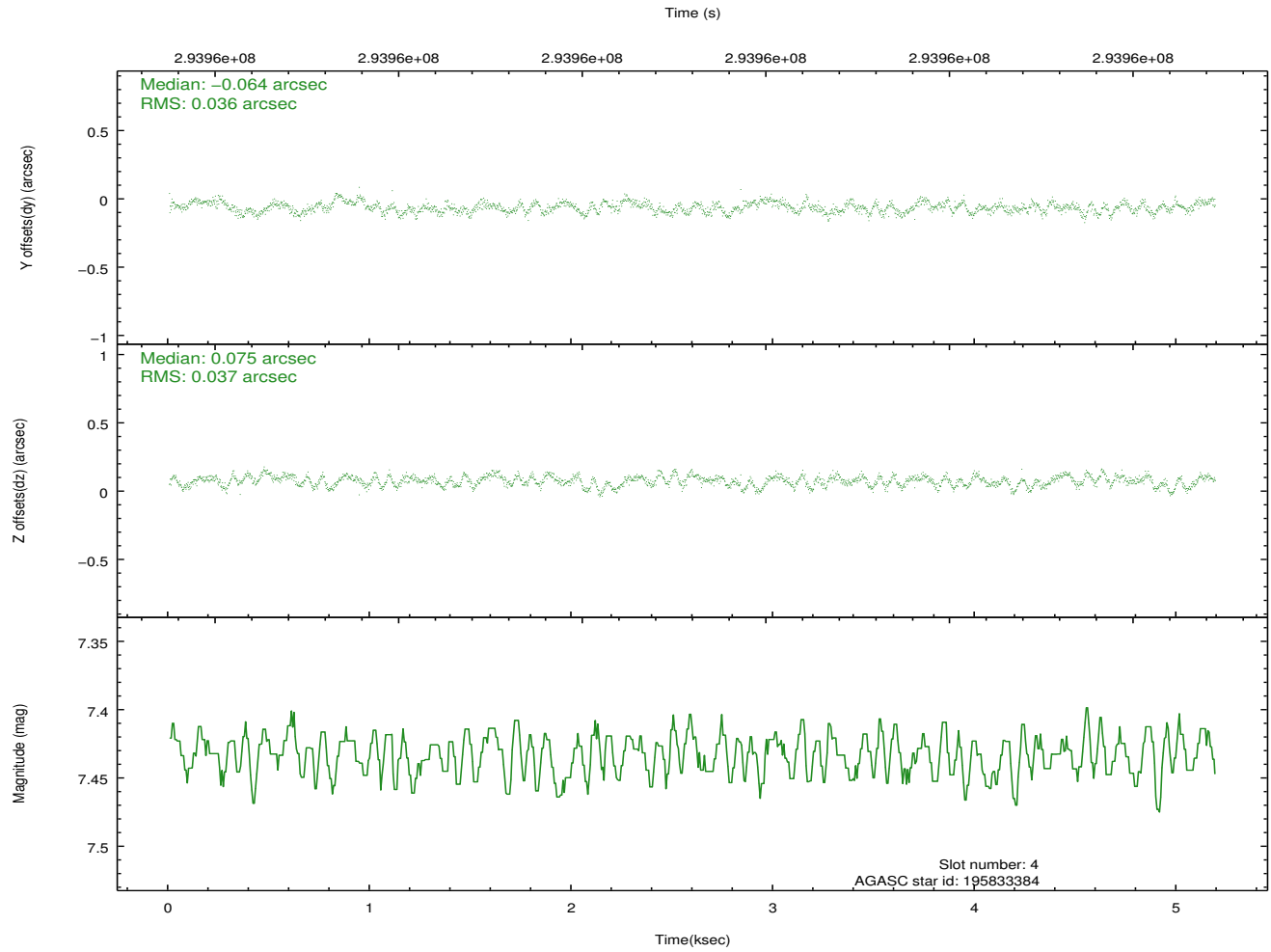
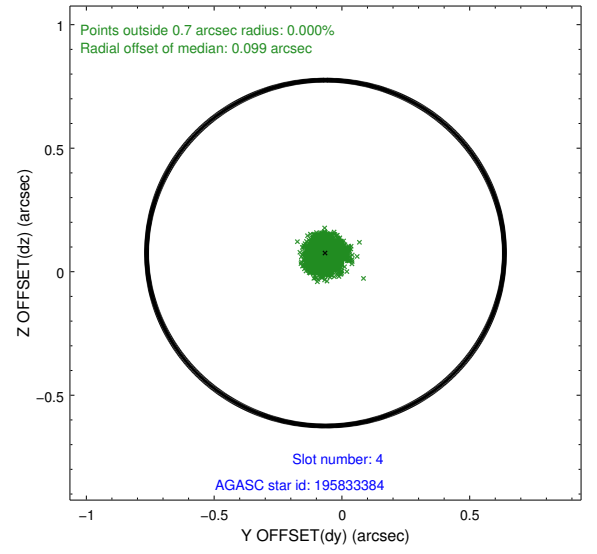
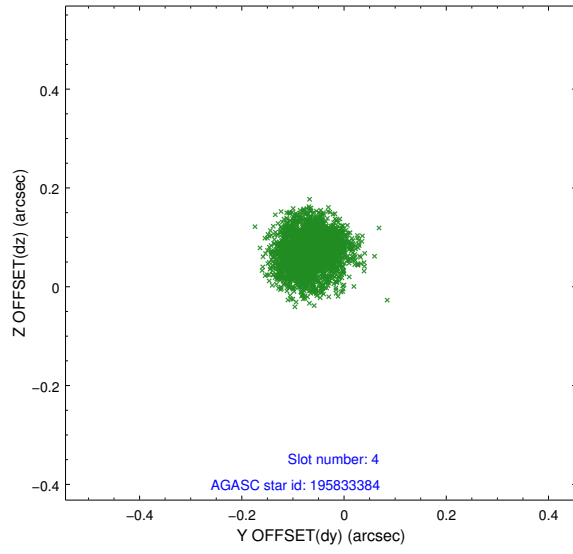
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	1266	0.046	-0.016	0.007	0.012	0.000000	0.000000	929.08	-1730.80
1	FID	ACIS-S-4	7.19	1266	0.154	-0.006	0.007	0.011	0.000000	0.000000	2147.26	172.15
2	FID	ACIS-S-5	7.22	1266	-0.227	0.035	0.005	0.010	0.000000	0.000000	-1818.55	167.14
3	GUIDE	195829064	6.80	2531	-0.078	0.089	0.063	0.108	233.469608	17.137357	2205.14	-1038.72
4	GUIDE	195833384	7.43	2531	-0.064	0.075	0.057	0.085	234.388986	16.529654	-1643.56	-1092.56
5	GUIDE	195833816	8.36	2531	0.106	-0.050	0.064	0.103	234.028497	15.839299	-2073.59	1654.28
6	GUIDE	195835672	8.70	2527	0.052	-0.044	0.075	0.124	234.006789	16.260299	-1133.65	463.98
7	GUIDE	195835976	8.15	2530	-0.021	-0.067	0.056	0.090	233.999860	16.109518	-1428.48	919.91

2.4 Star Slots

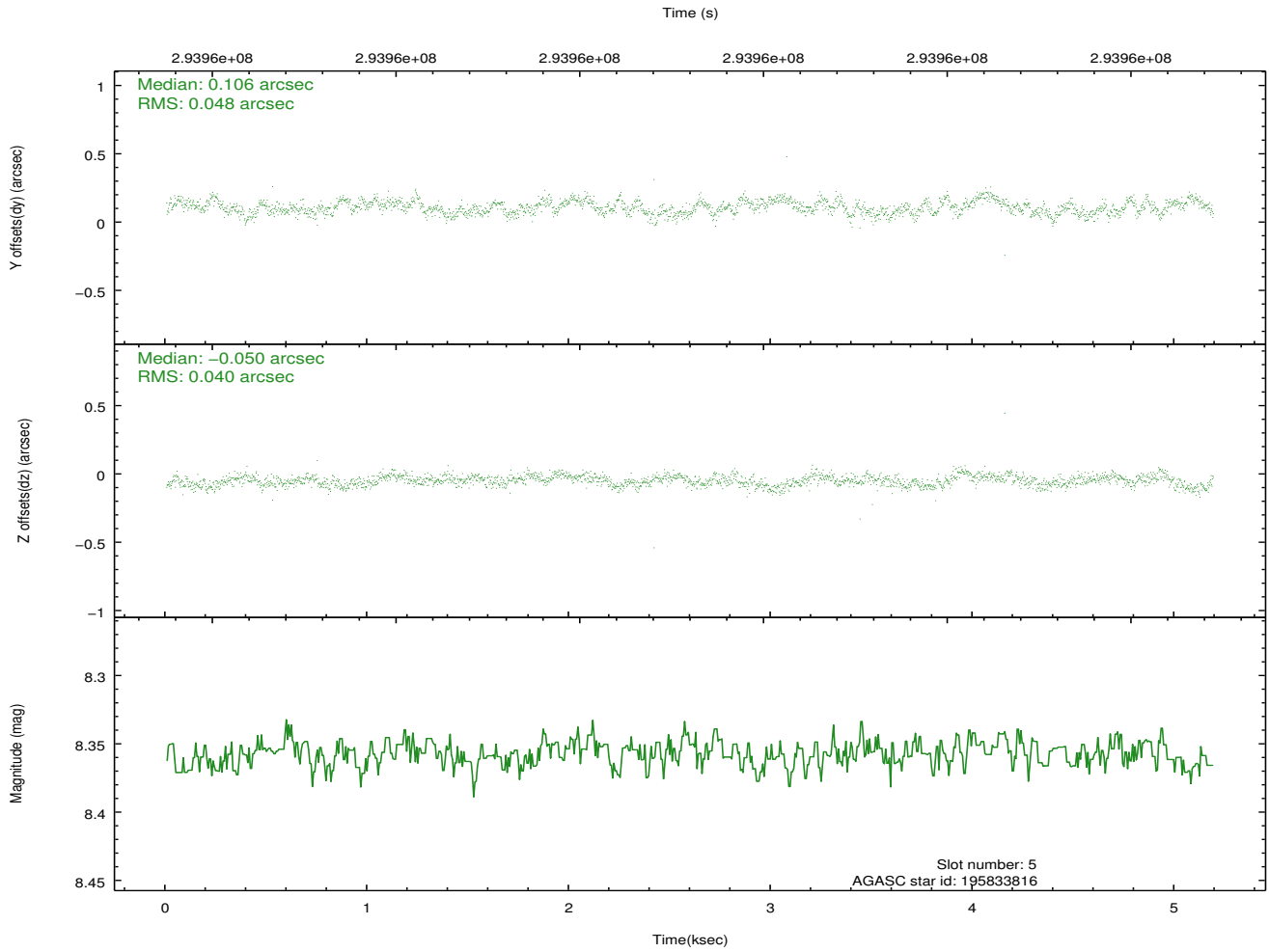
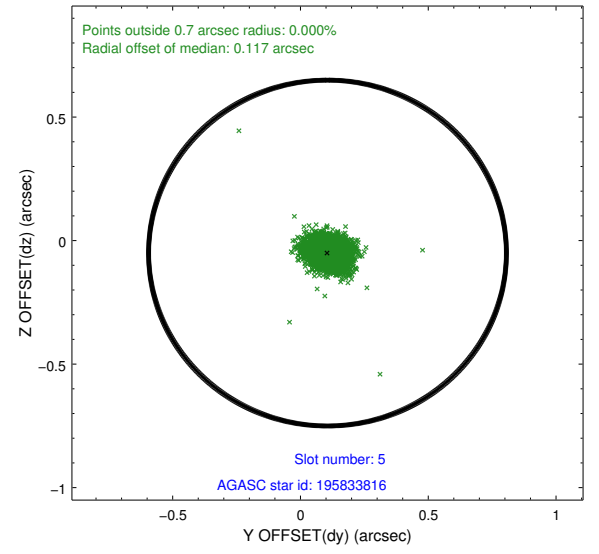
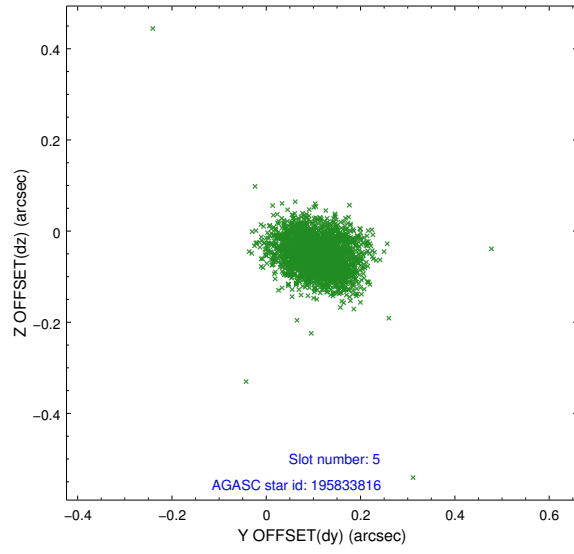
2.4.1 Slot 3



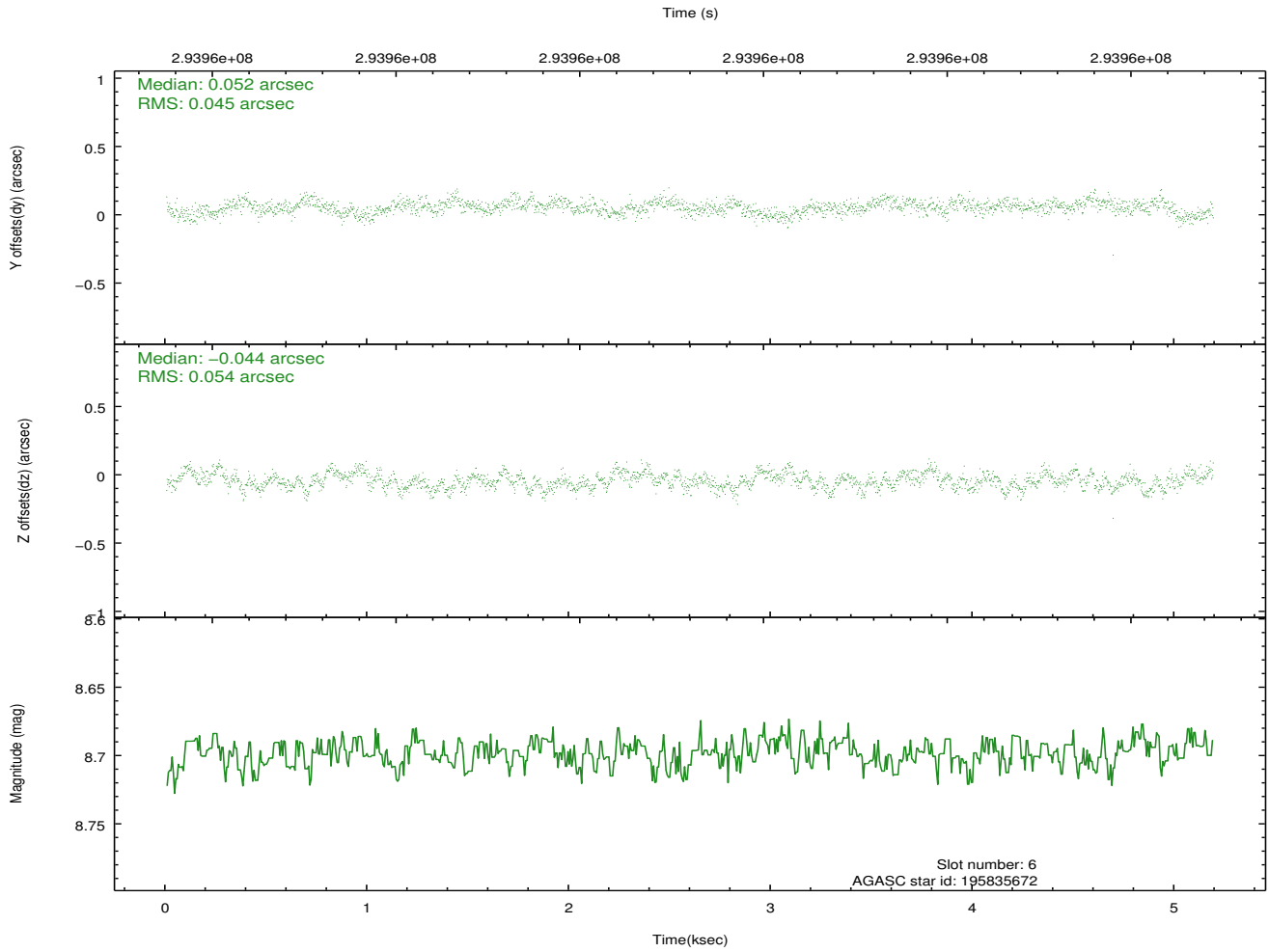
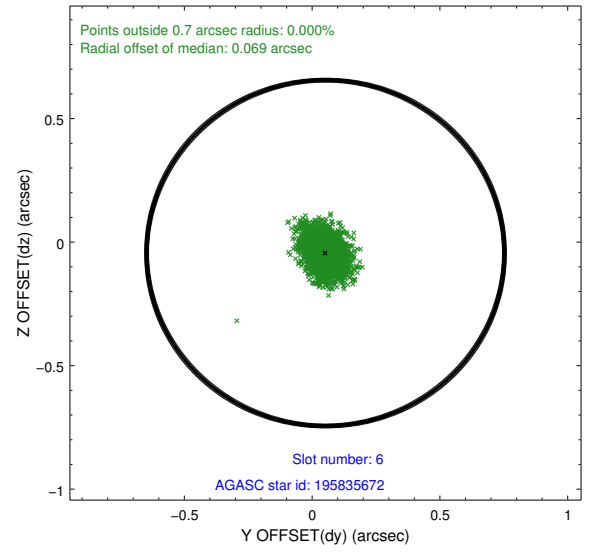
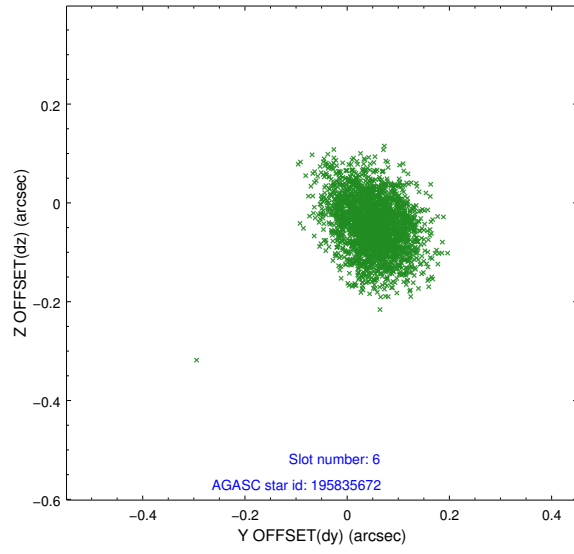
2.4.2 Slot 4



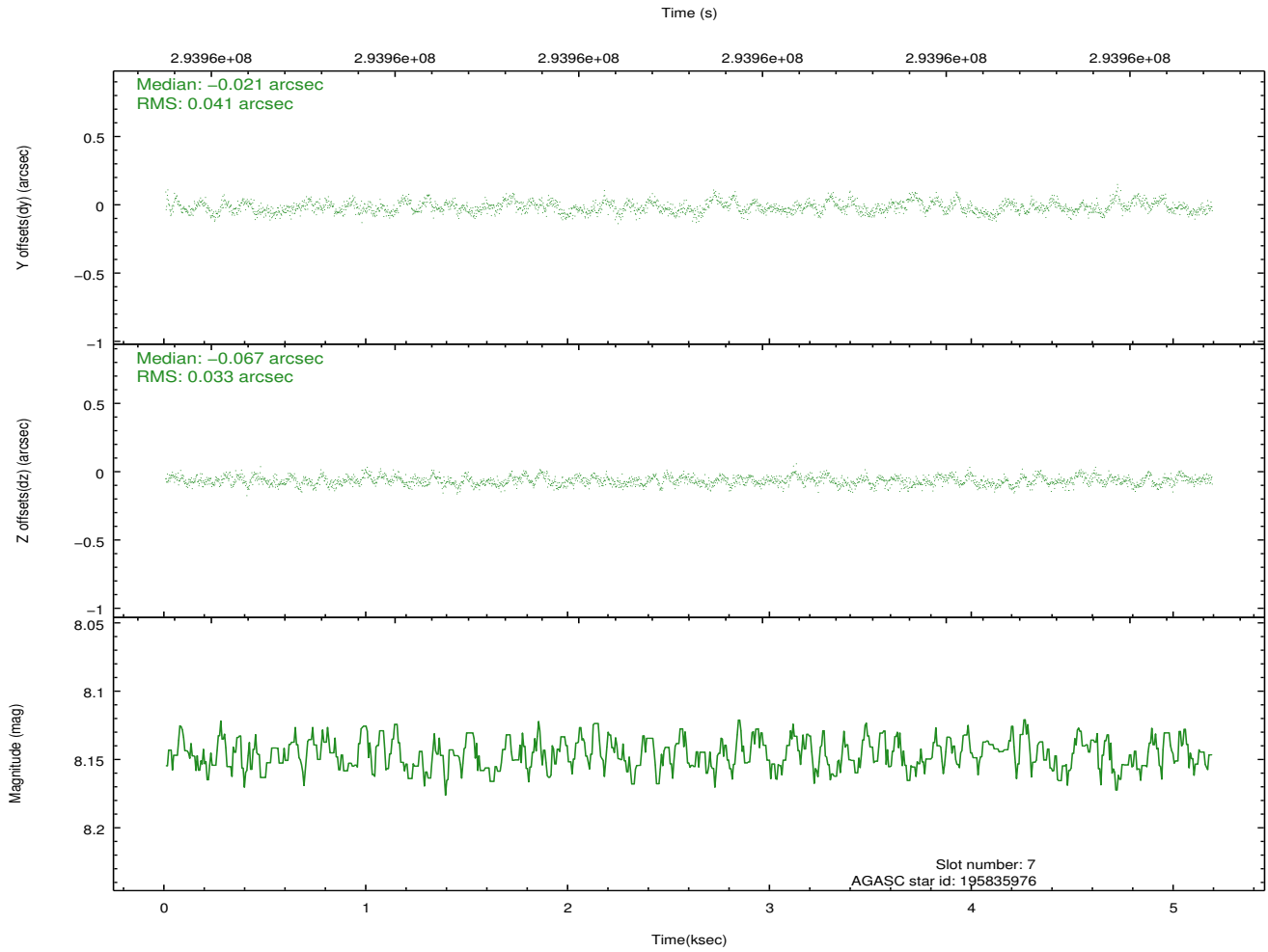
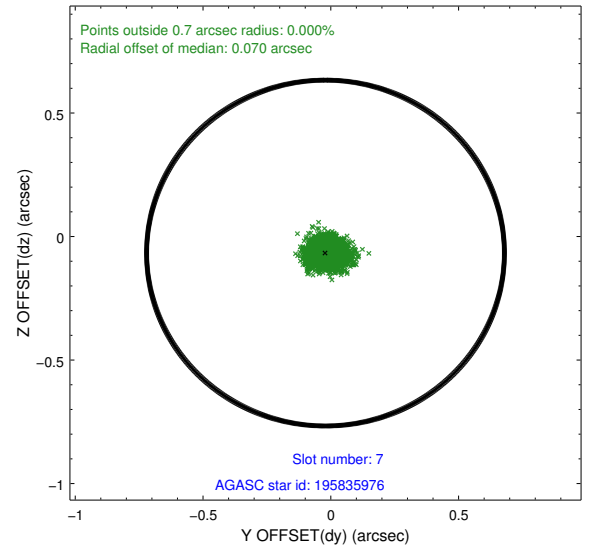
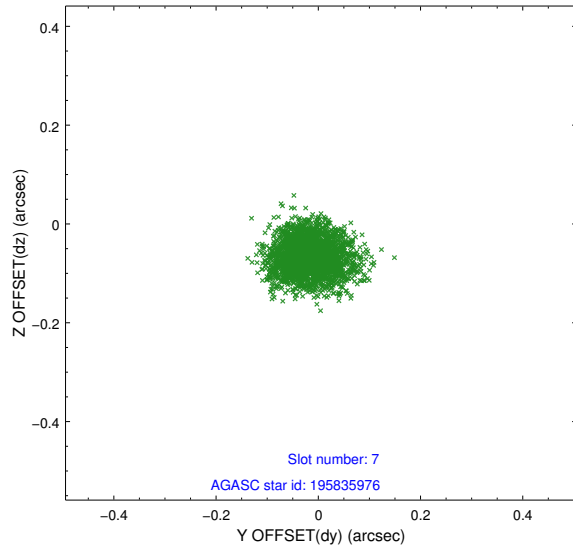
2.4.3 Slot 5



2.4.4 Slot 6

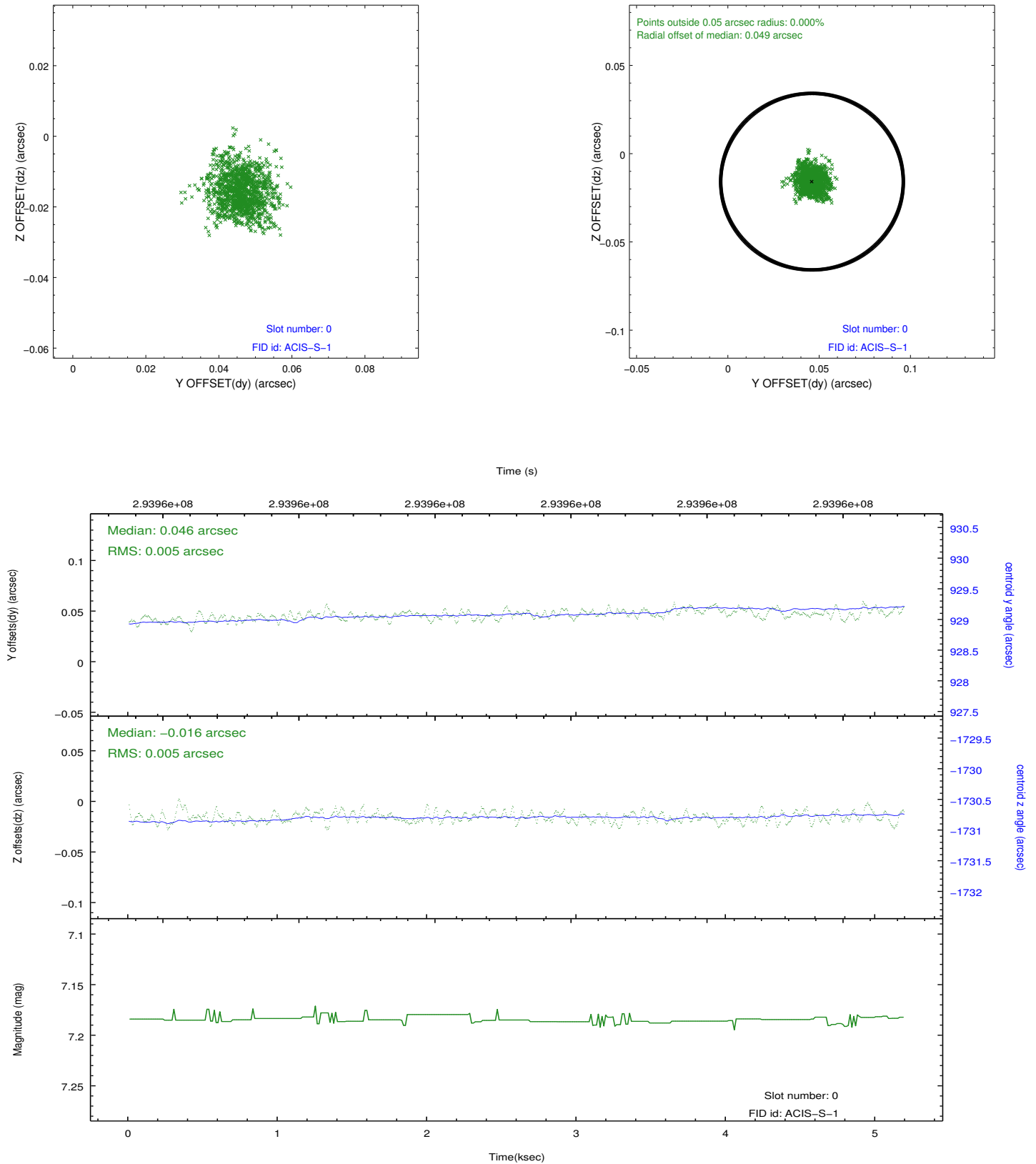


2.4.5 Slot 7

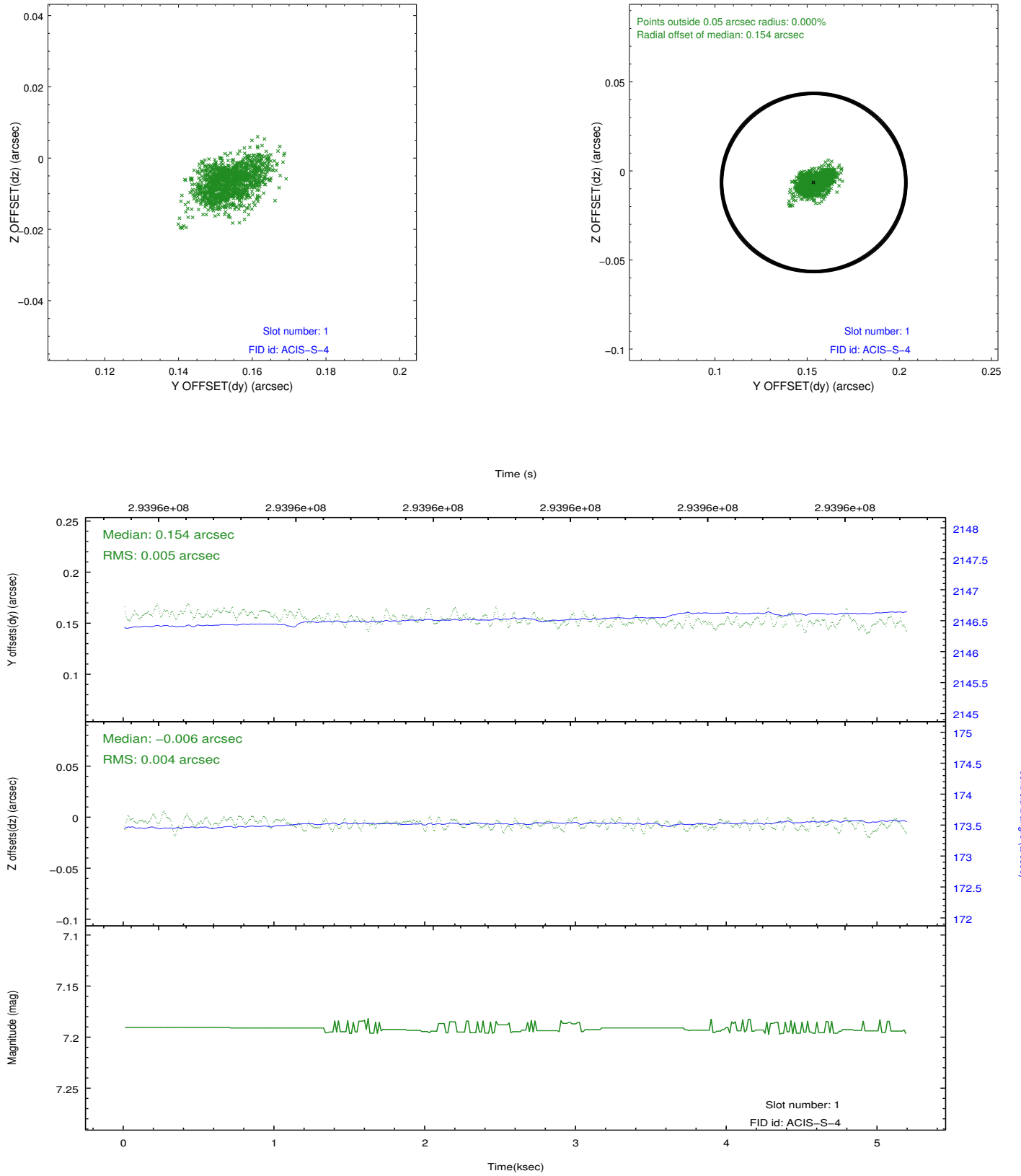


2.5 FID Slots

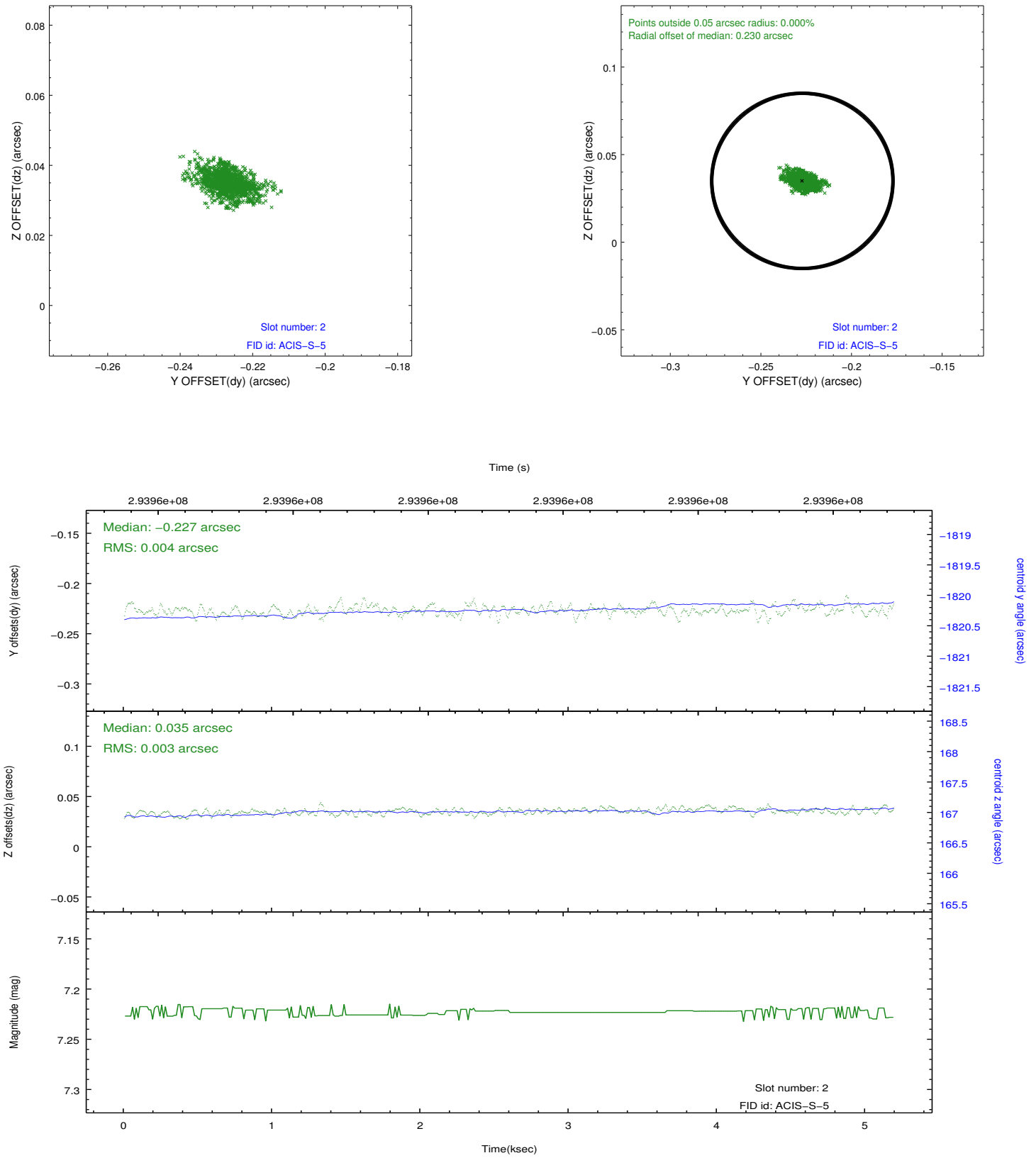
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18079998

A.2 Comments