

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11318 - L2 Version 2
Chandra X-Ray Center

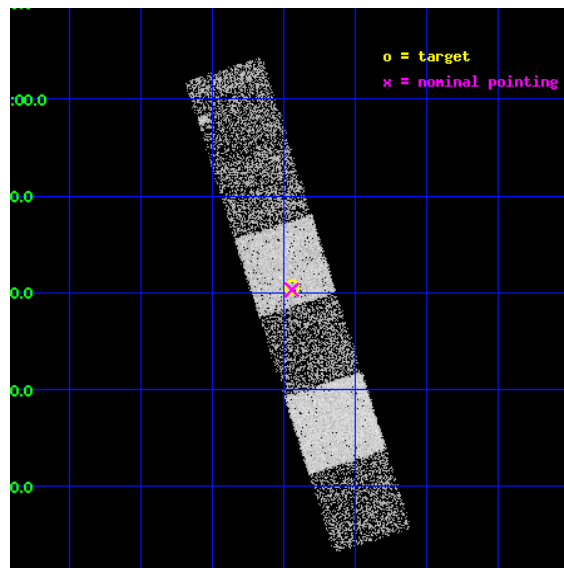
L2 Processing Date : Jul 1 2012

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1 Front

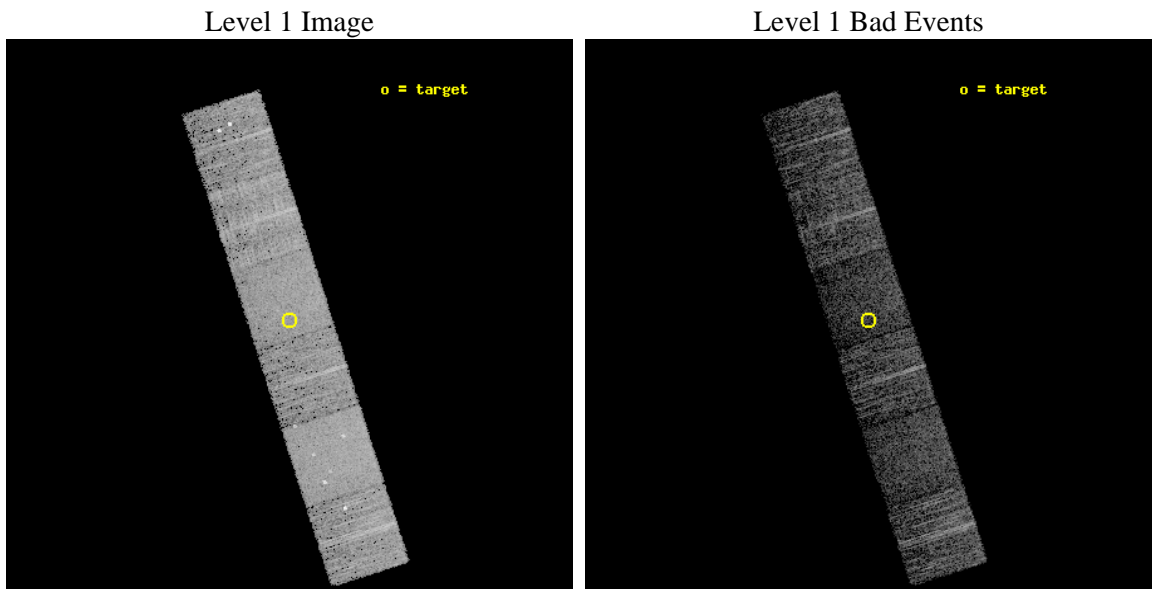
seq_num	600837	Sequence number
obs_id	11318	Observation id
title	Accretion onto nuclear black holes in early type galaxies: comparing field vs. clusters	Proposal title
observer	Elena Gallo	Principal investigator
object	PGC042748	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	190.735	Observer's specified target RA [deg]
dec_targ	3.67654	Observer's specified target Dec [deg]
ra_nom	190.73614331851	Nominal RA [deg]
dec_nom	3.6719156632966	Nominal Dec [deg]
roll_nom	252.16979137688	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3547.4406177402	Sum of GTIs [s]
livetime	3502.520788626	Livetime [s]
ontime4	3547.4816577435	Sum of GTIs [s]
ontime5	3547.3995777369	Sum of GTIs [s]
ontime6	3547.3585377336	Sum of GTIs [s]
ontime7	3547.4406177402	Sum of GTIs [s]
ontime8	3547.3174977303	Sum of GTIs [s]
ontime9	3547.276457727	Sum of GTIs [s]
l2events	41952	Number of level 2 events



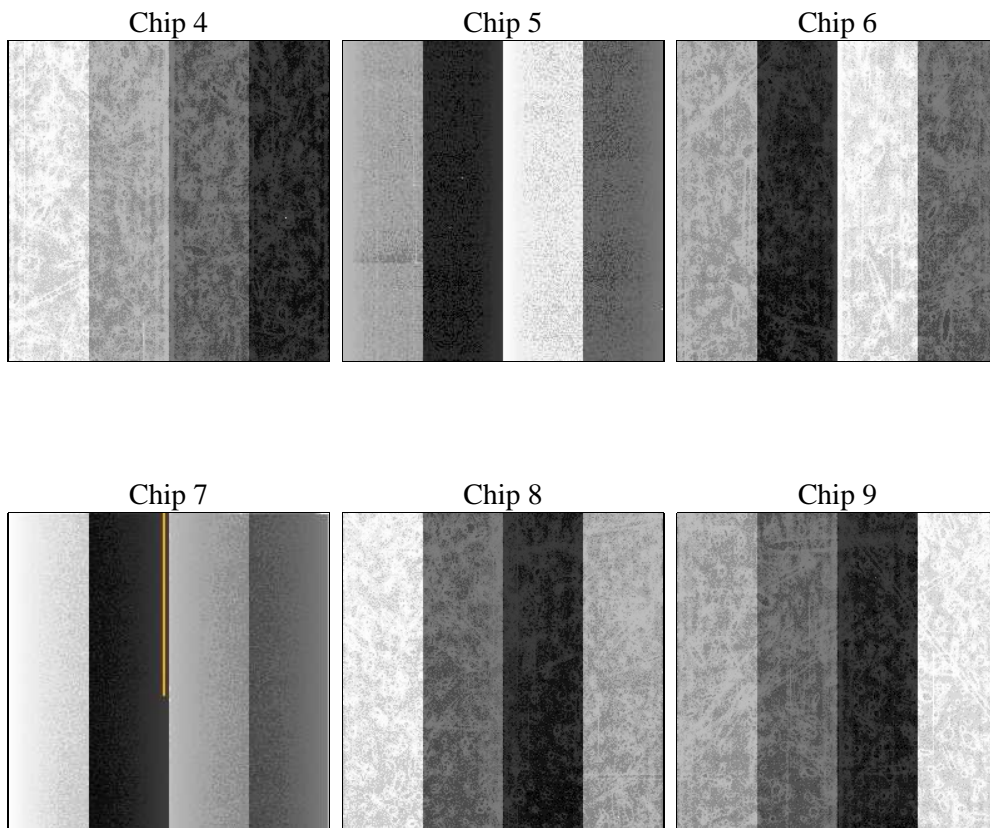
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3547.4406177402	Sum of GTIs [s]
caldsver	4.5.0	 	ontime4	3547.4816577435	Sum of GTIs [s]
date	2012-07-01T02:27:50	Date and time of file creation	ontime5	3547.3995777369	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3547.3585377336	Sum of GTIs [s]
			ontime7	3547.4406177402	Sum of GTIs [s]
			ontime8	3547.3174977303	Sum of GTIs [s]
			ontime9	3547.276457727	Sum of GTIs [s]
			l1events	184262	Number of level 1 events

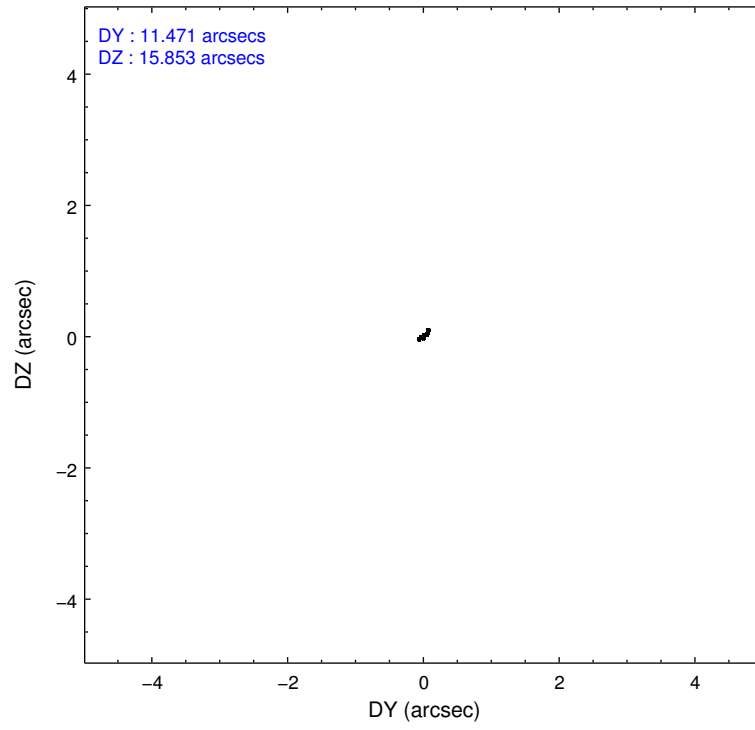
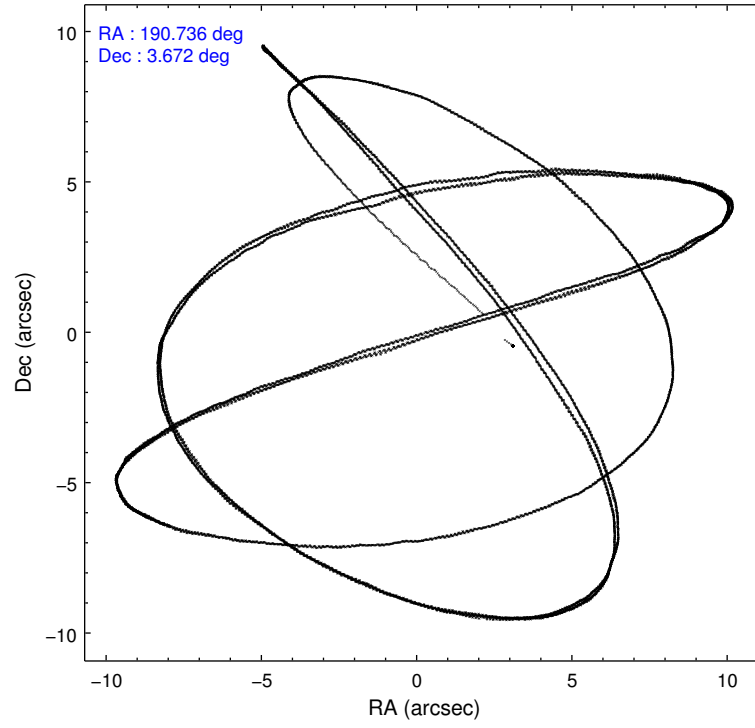
2.1.4 Events

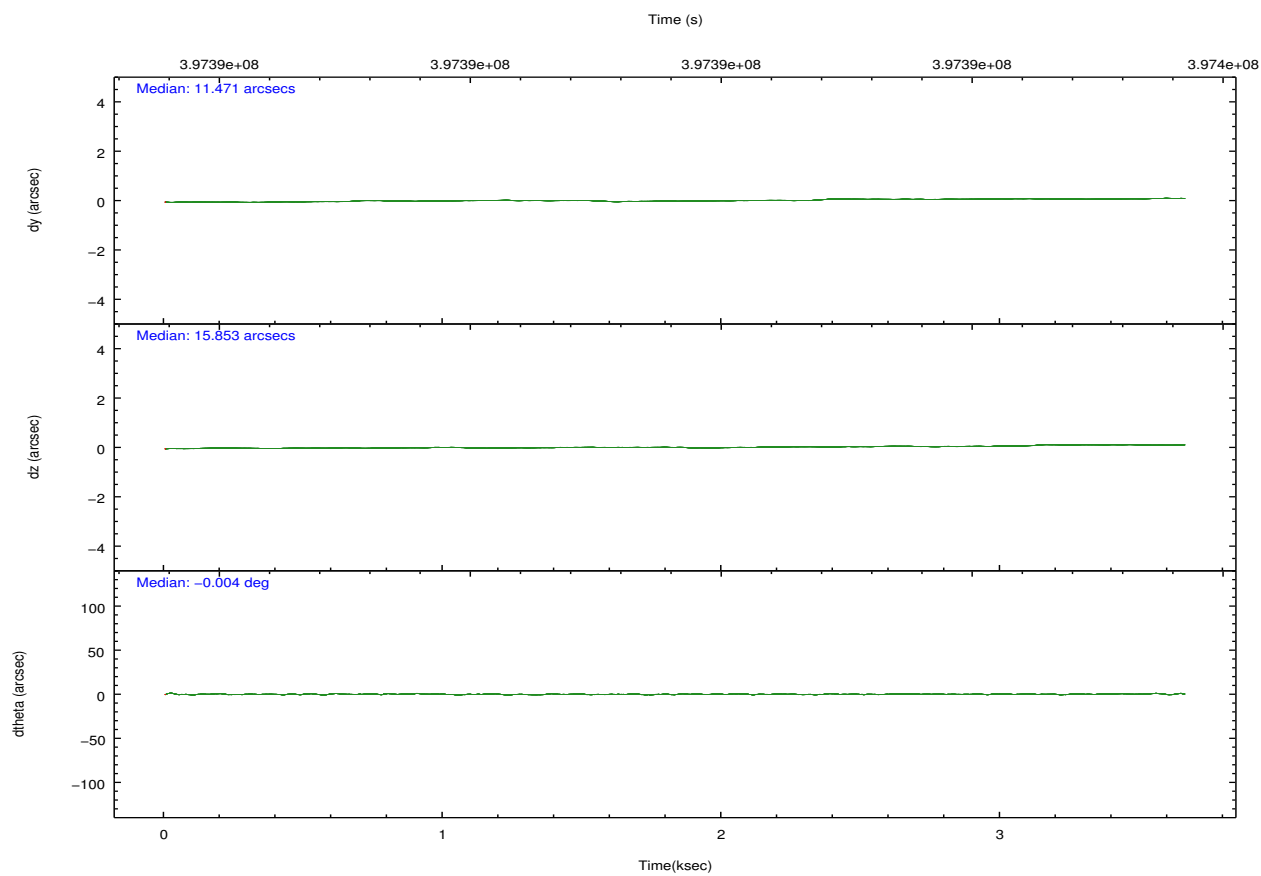
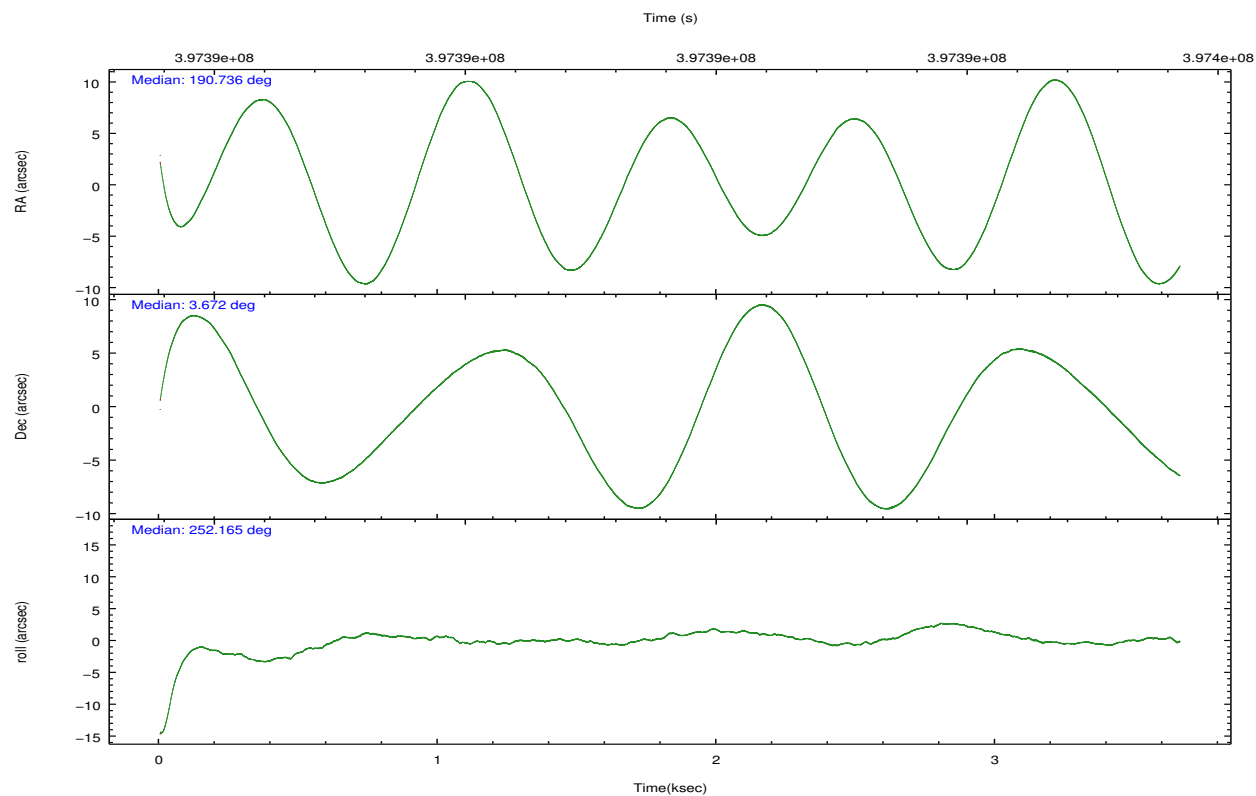
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	30966	38328	24764	30474	33830	25900	grade 0 events	2238	2490	1097	1437	2924	3011
rejected events	26856	18932	21769	16452	24440	20993		7%	6%	4%	4%	8%	11%
rejected %	86%	49%	87%	53%	72%	81%	grade 1 events	36	97	10	35	27	20
								0%	0%	0%	0%	0%	0%
							grade 2 events	749	5724	665	2866	2151	663
								2%	14%	2%	9%	6%	2%
							grade 3 events	324	770	317	1244	974	303
								1%	2%	1%	4%	2%	1%
							grade 4 events	300	737	300	1254	894	312
								0%	1%	1%	4%	2%	1%
							grade 5 events	1097	2864	1111	3146	1701	1228
								3%	7%	4%	10%	5%	4%
							grade 6 events	505	9694	618	7237	2451	629
								1%	25%	2%	23%	7%	2%
							grade 7 events	25717	15952	20646	13255	22708	19734
								83%	41%	83%	43%	67%	76%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	190.730020	190.7361433185123	CCD I2 on	N	N
[deg] Pointing Dec	3.698482	3.671915663296599	CCD I3 on	N	N
[deg] Pointing Roll	252.013604	252.1697913768775	CCD S0 on	O1	Y
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	397391142.184000	397389969.7	CCD S5 on	O2	Y
Observation start date	2010-08-05T10:24:36	2010-08-05T10:06:09	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	397394642.184000	397394970.16275	On-chip summing requested	N	N
Observation end date	2010-08-05T11:22:56	2010-08-05T11:29:30	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



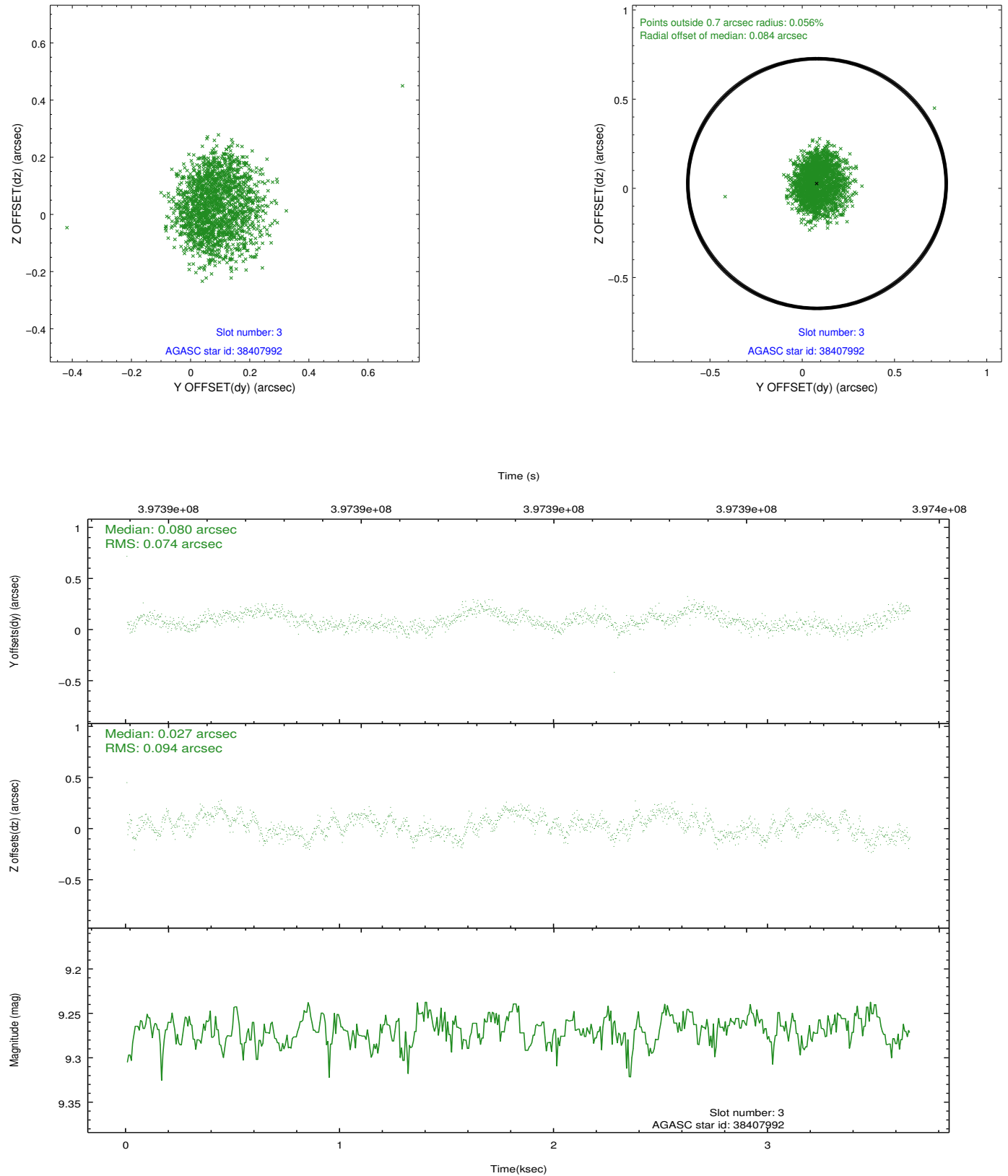


Slot Statistics

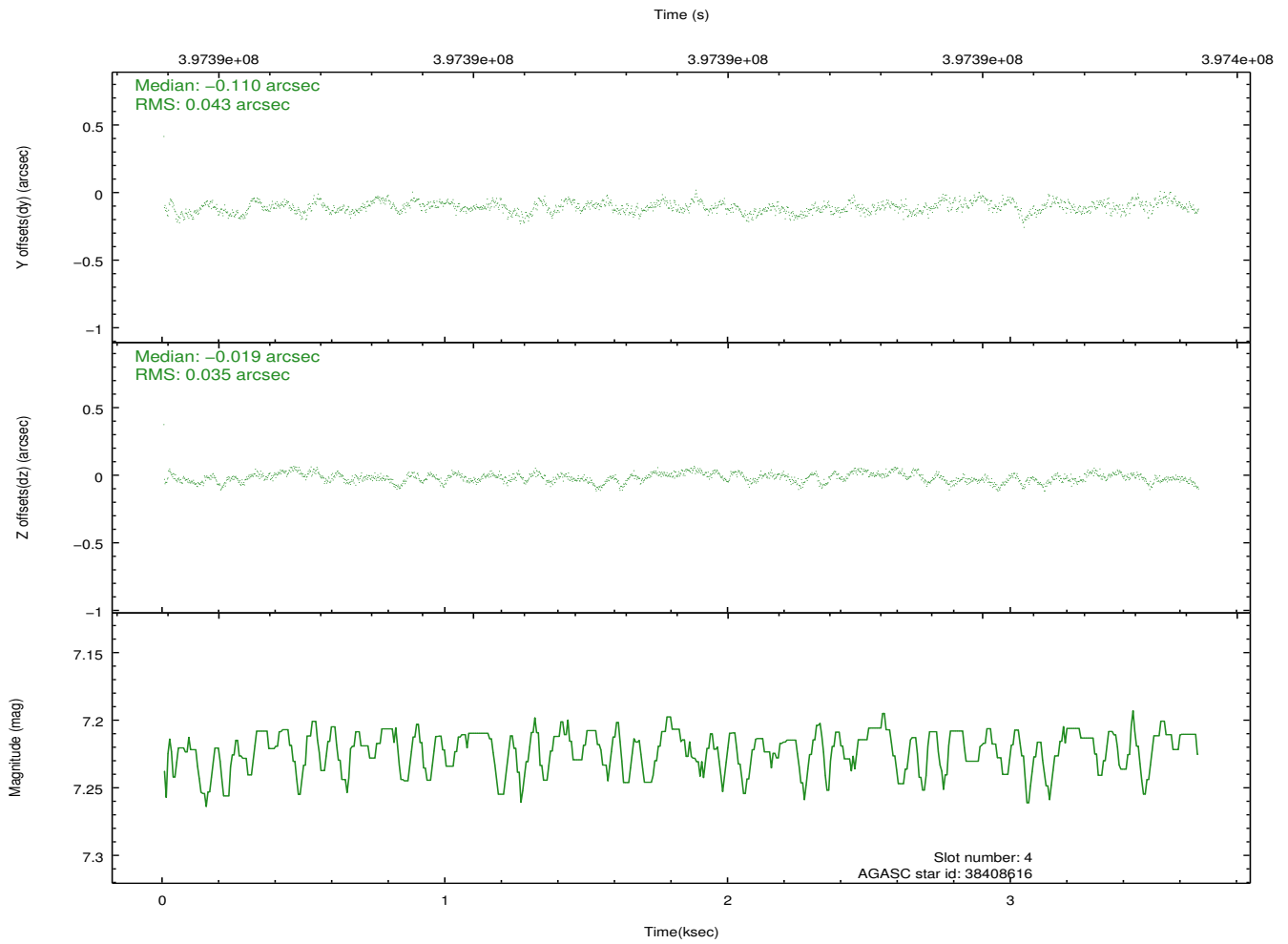
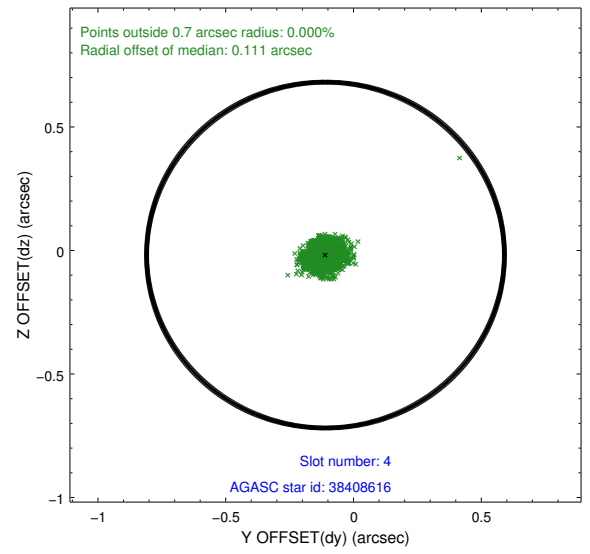
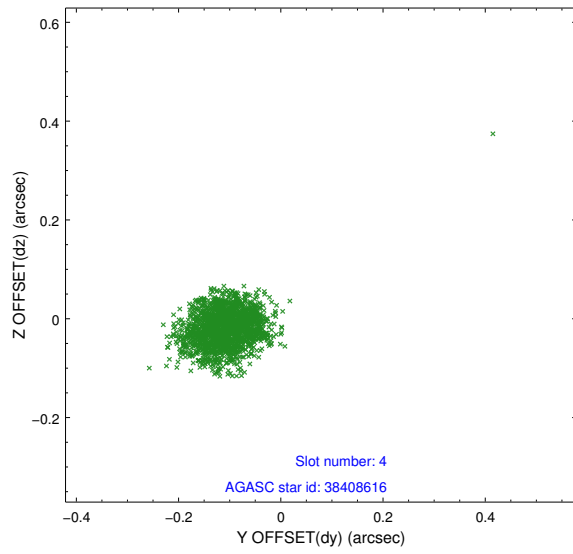
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	893	-0.042	-0.005	0.006	0.010	0.000000	0.000000	-764.38	-1737.28
1	FID	ACIS-S-4	6.97	893	0.116	0.022	0.005	0.011	0.000000	0.000000	2148.26	169.47
2	FID	ACIS-S-5	7.00	893	-0.105	-0.008	0.007	0.011	0.000000	0.000000	-1815.09	165.04
3	GUIDE	38407992	9.27	1784	0.080	0.027	0.128	0.192	190.233921	4.255019	-1355.62	-2312.85
4	GUIDE	38408616	7.22	1786	-0.110	-0.019	0.058	0.089	190.567573	4.292608	-1854.68	-1216.60
5	GUIDE	38409984	9.19	1713	0.024	0.008	0.130	0.191	191.373330	3.998040	-1740.68	1863.42
6	GUIDE	38410424	8.39	1786	-0.037	-0.025	0.062	0.103	191.145260	3.531809	108.43	1605.01
7	GUIDE	38412992	8.06	1784	0.037	-0.001	0.069	0.108	191.066546	3.351036	816.61	1537.83

2.4 Star Slots

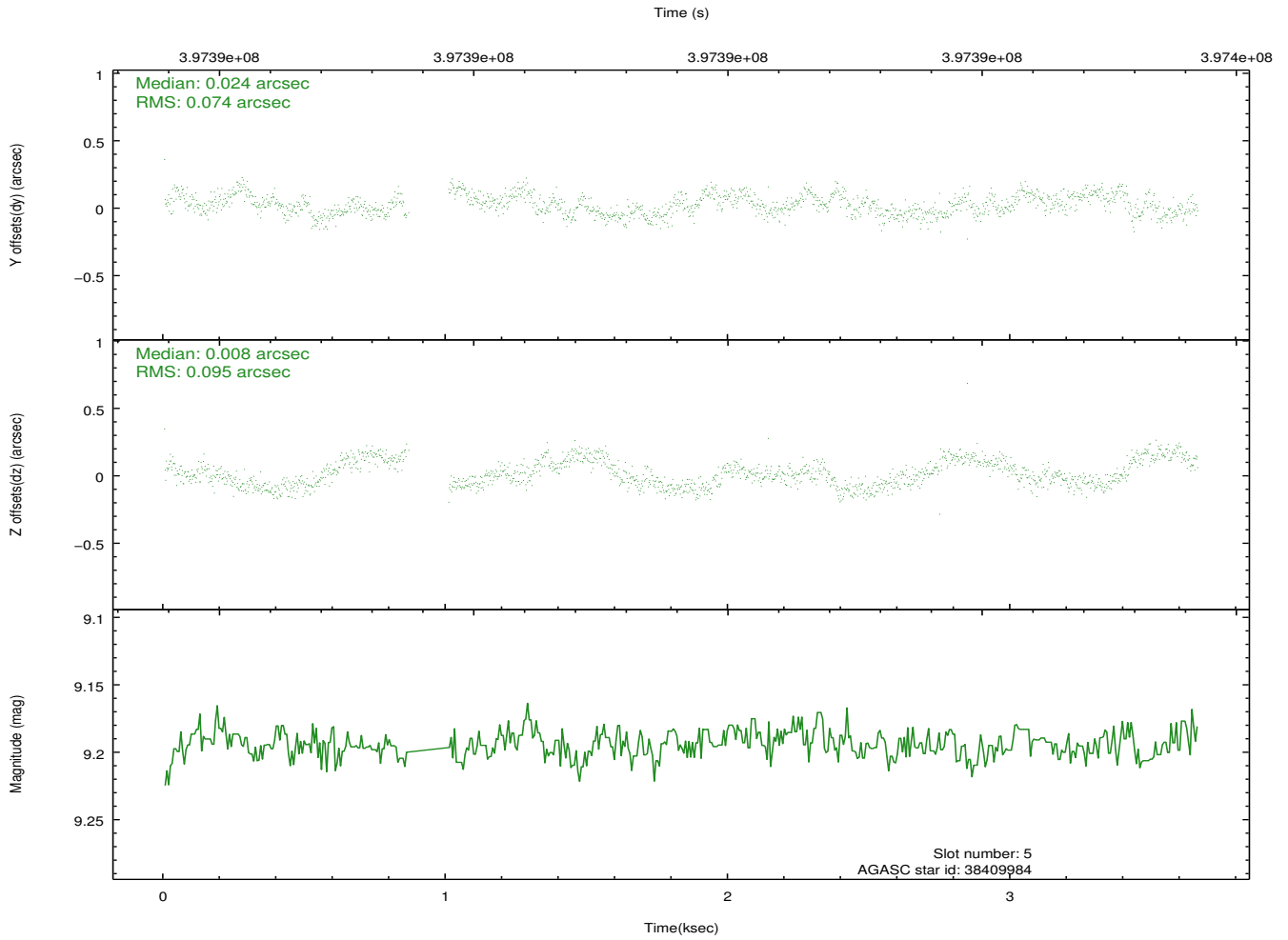
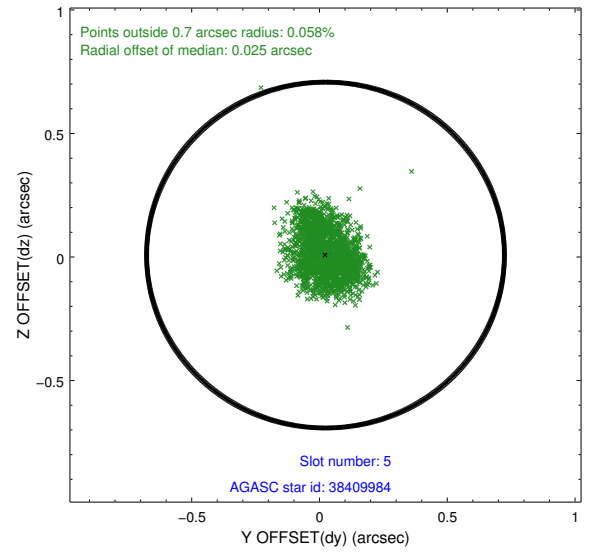
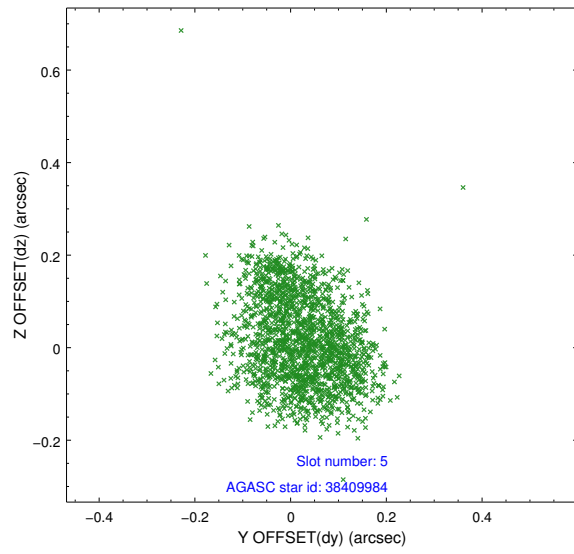
2.4.1 Slot 3



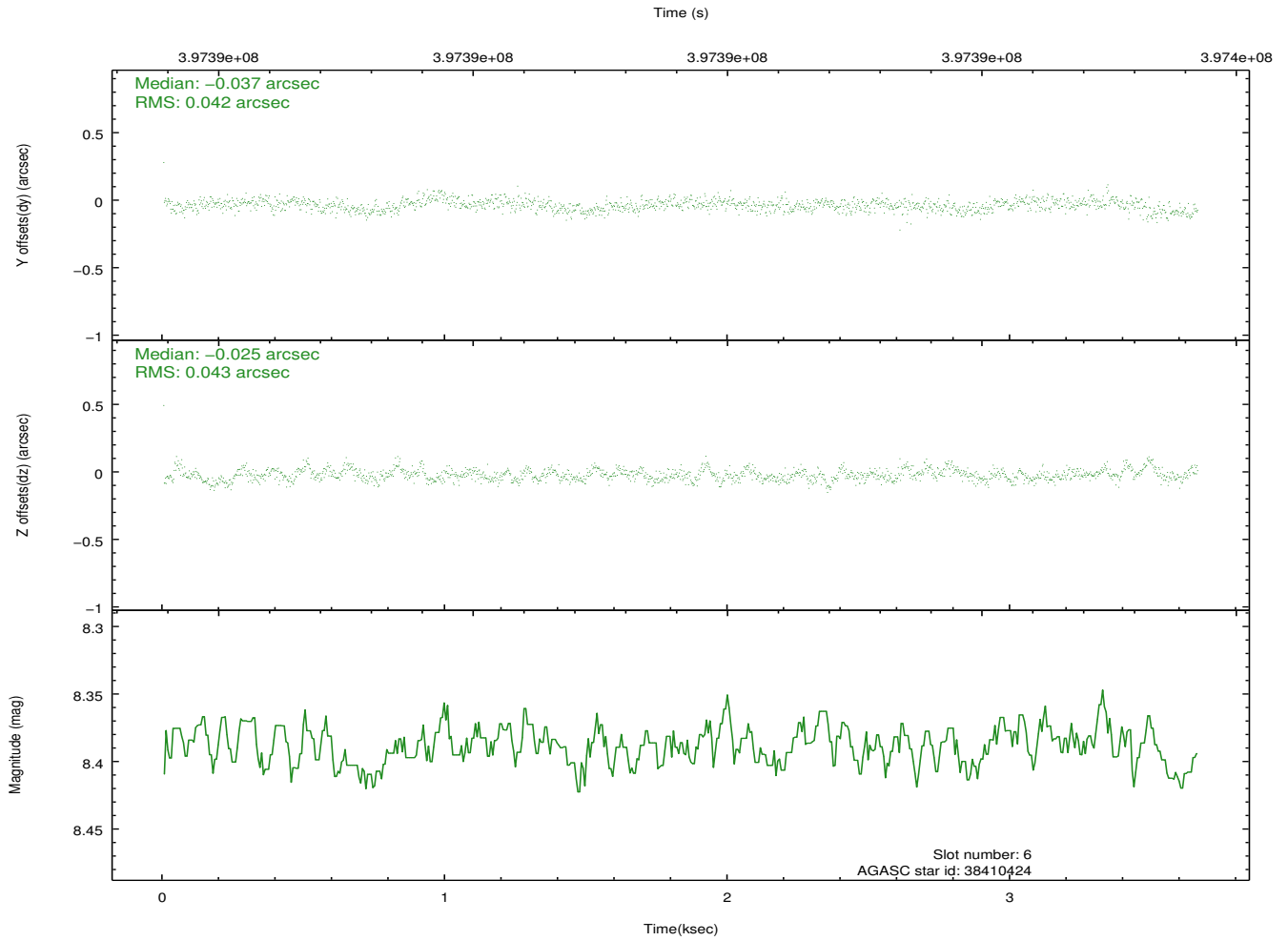
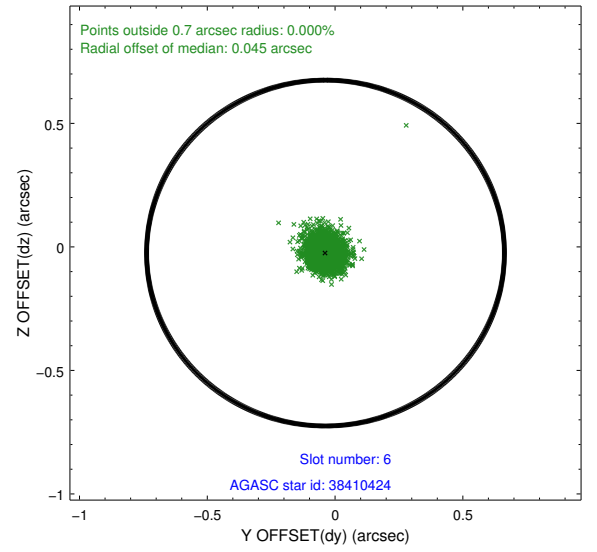
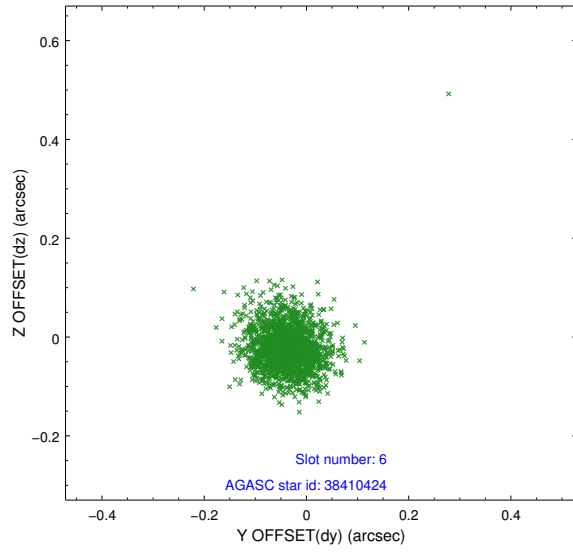
2.4.2 Slot 4



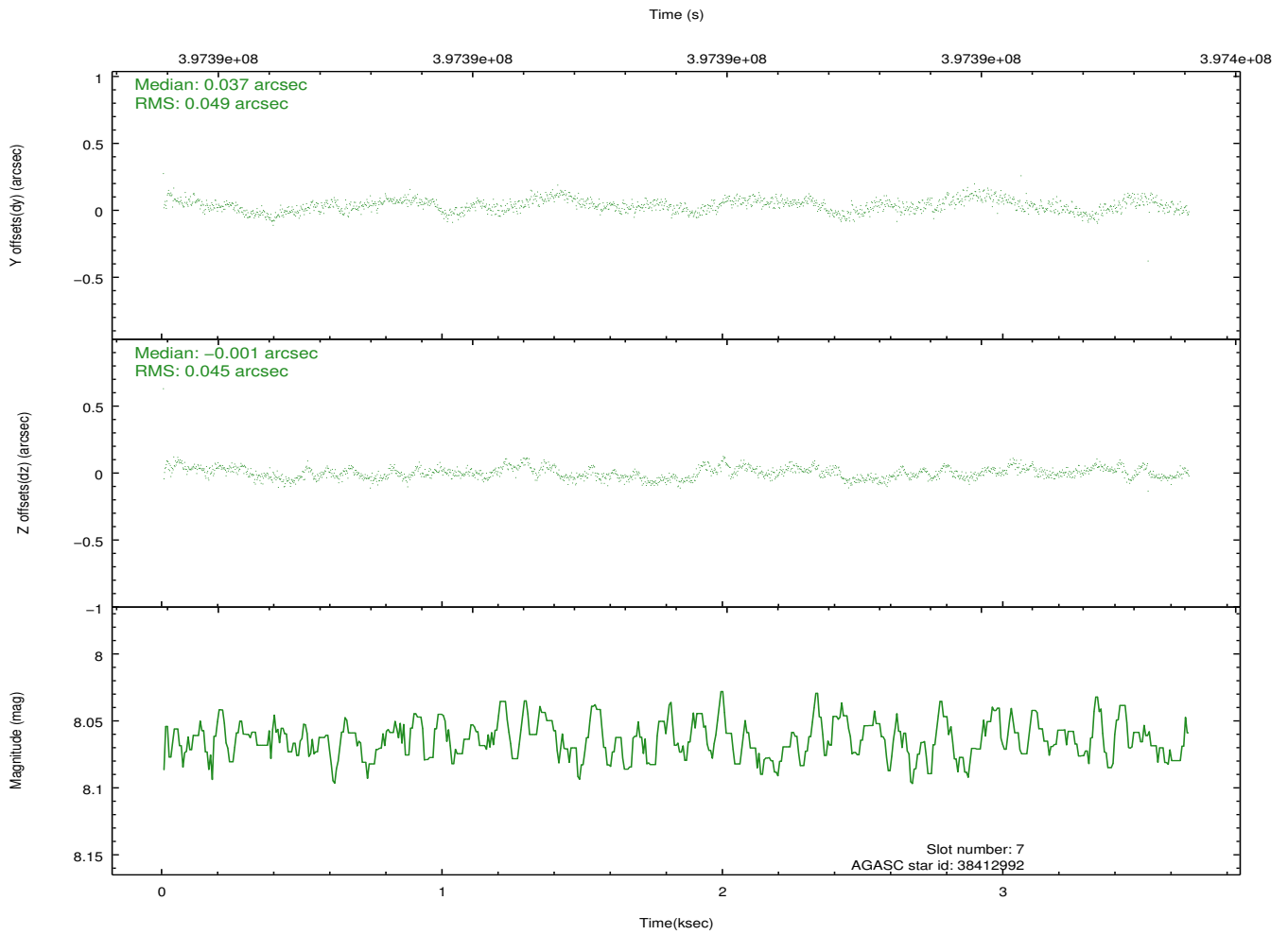
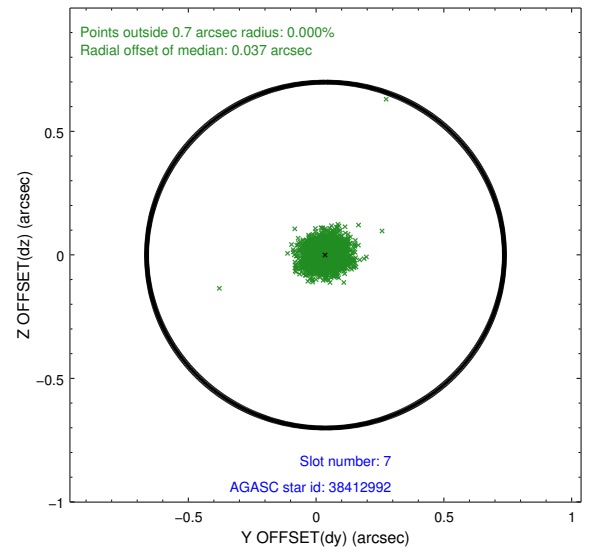
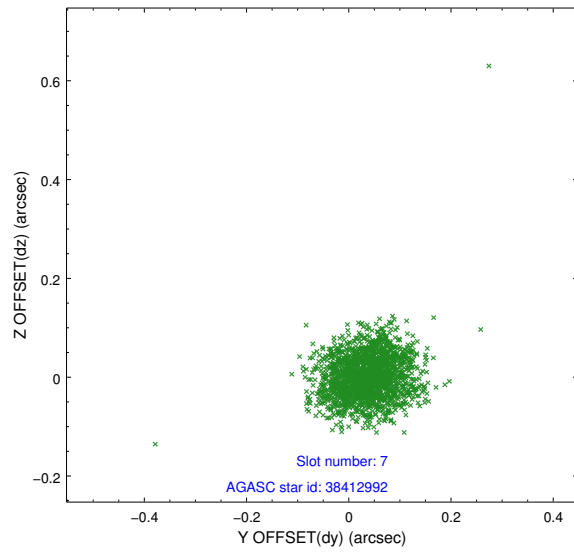
2.4.3 Slot 5



2.4.4 Slot 6

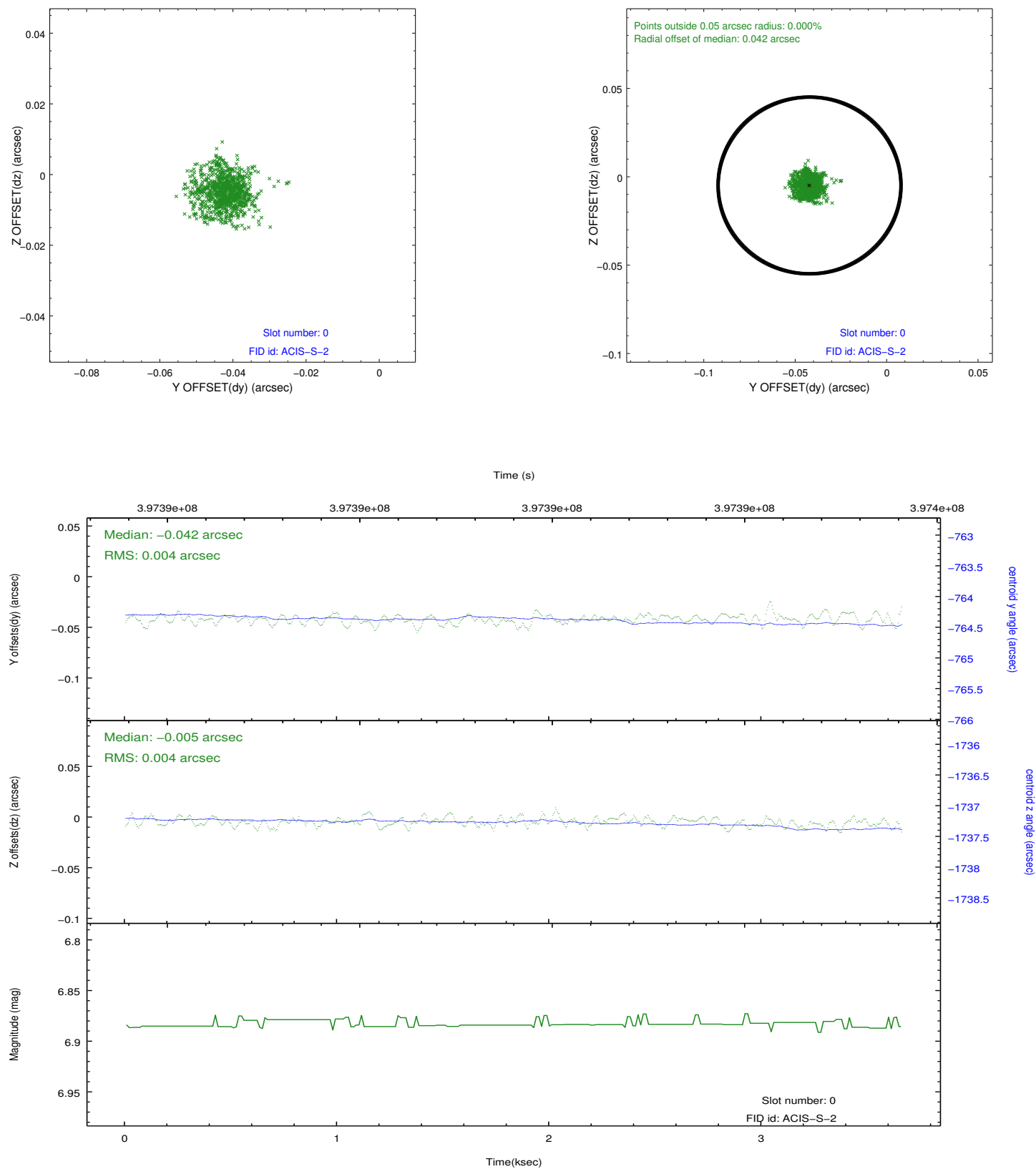


2.4.5 Slot 7

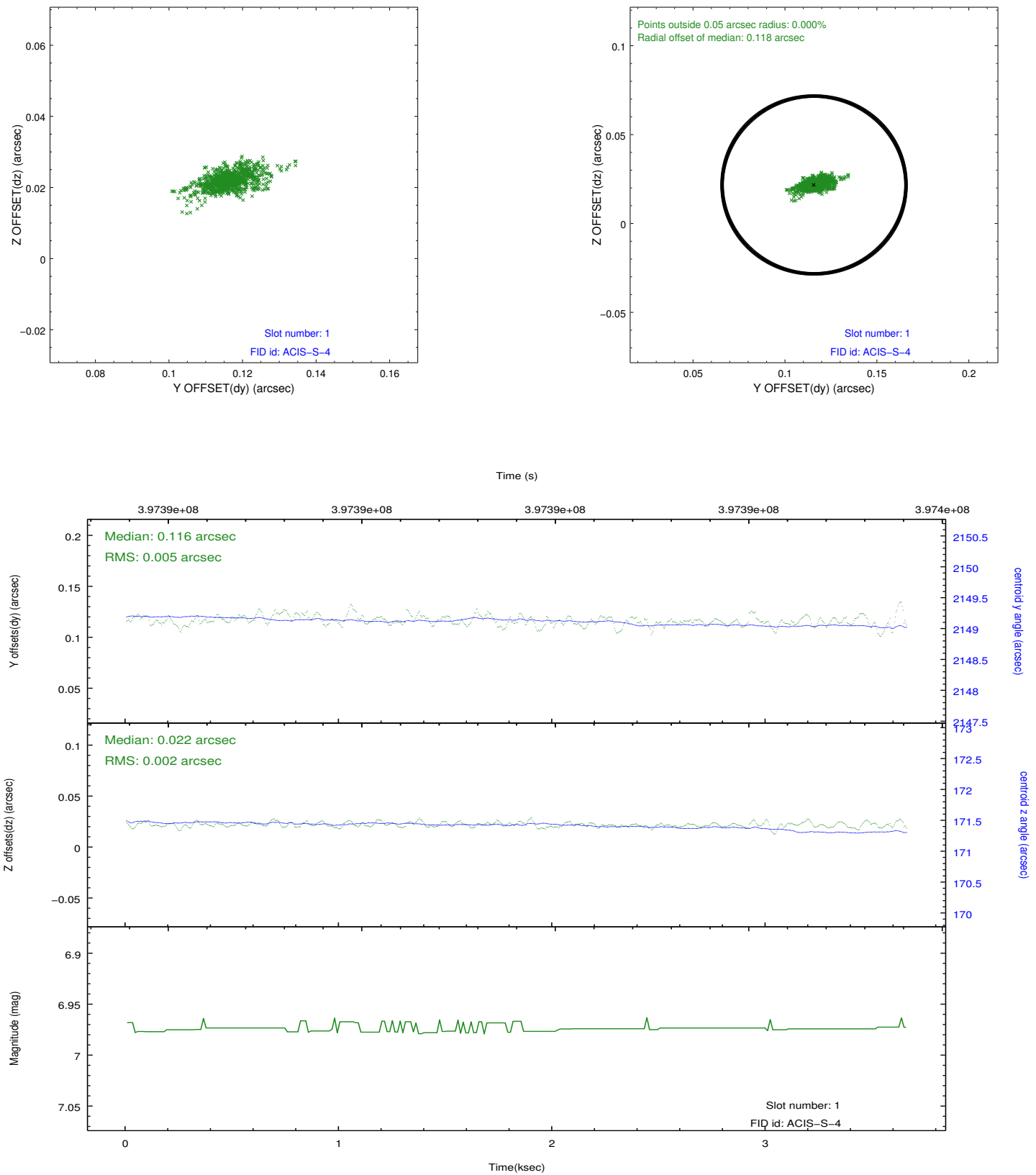


2.5 FID Slots

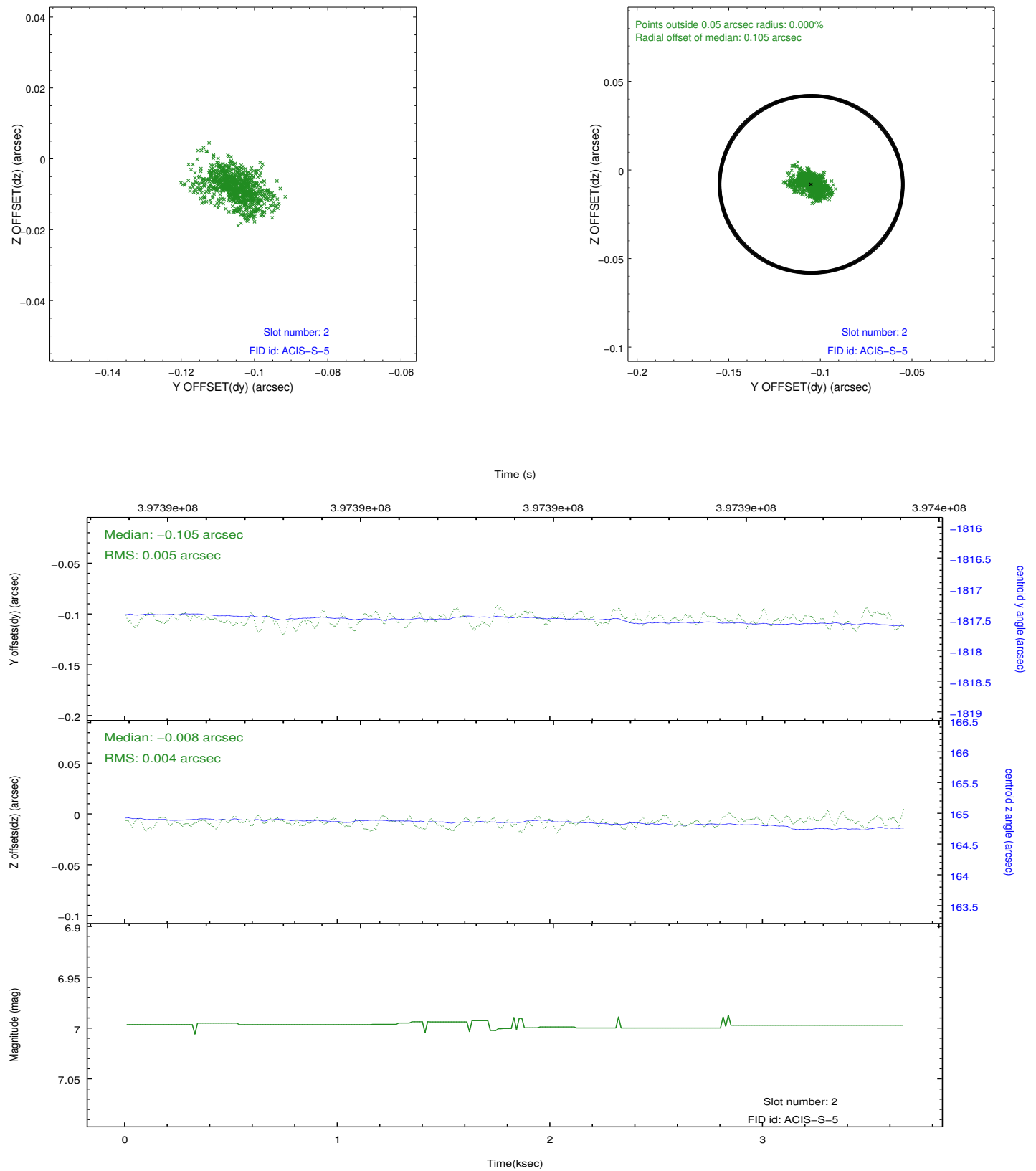
2.5.1 Slot 0



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)	2012.07.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.5474406188726

A.2 Comments