

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11336 - L2 Version 2
Chandra X-Ray Center

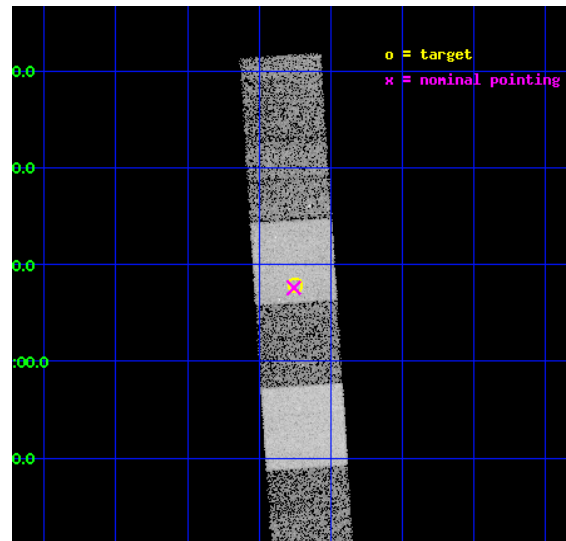
L2 Processing Date : Jul 3 2012

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1 Front

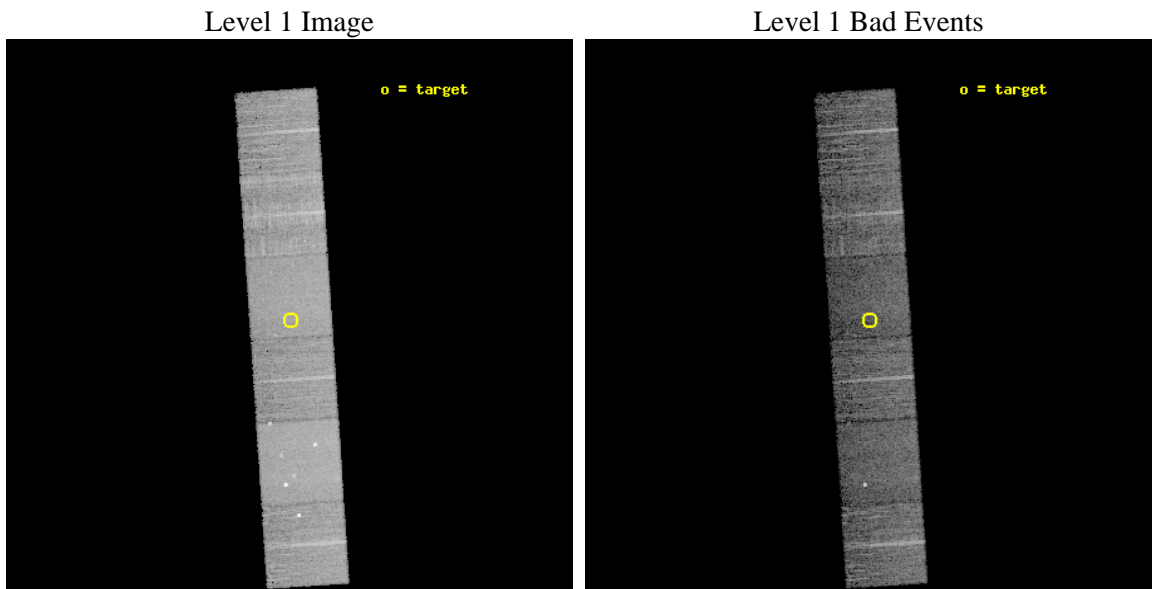
seq_num	600855	Sequence number
obs_id	11336	Observation id
title	Accretion onto nuclear black holes in early type galaxies: comparing field vs. clusters	Proposal title
observer	Elena Gallo	Principal investigator
object	SDSSJ145944.77+020752.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	224.937	Observer's specified target RA [deg]
dec_targ	2.13106	Observer's specified target Dec [deg]
ra_nom	224.9392463035	Nominal RA [deg]
dec_nom	2.1267346341683	Nominal Dec [deg]
roll_nom	266.18252818434	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8047.5796145797	Sum of GTIs [s]
livetime	7945.6763158292	Livetime [s]
ontime4	8047.620654583	Sum of GTIs [s]
ontime5	8047.5385745764	Sum of GTIs [s]
ontime6	8047.4975345731	Sum of GTIs [s]
ontime7	8047.5796145797	Sum of GTIs [s]
ontime8	8047.4564945698	Sum of GTIs [s]
ontime9	8047.4154545665	Sum of GTIs [s]
l2events	98489	Number of level 2 events



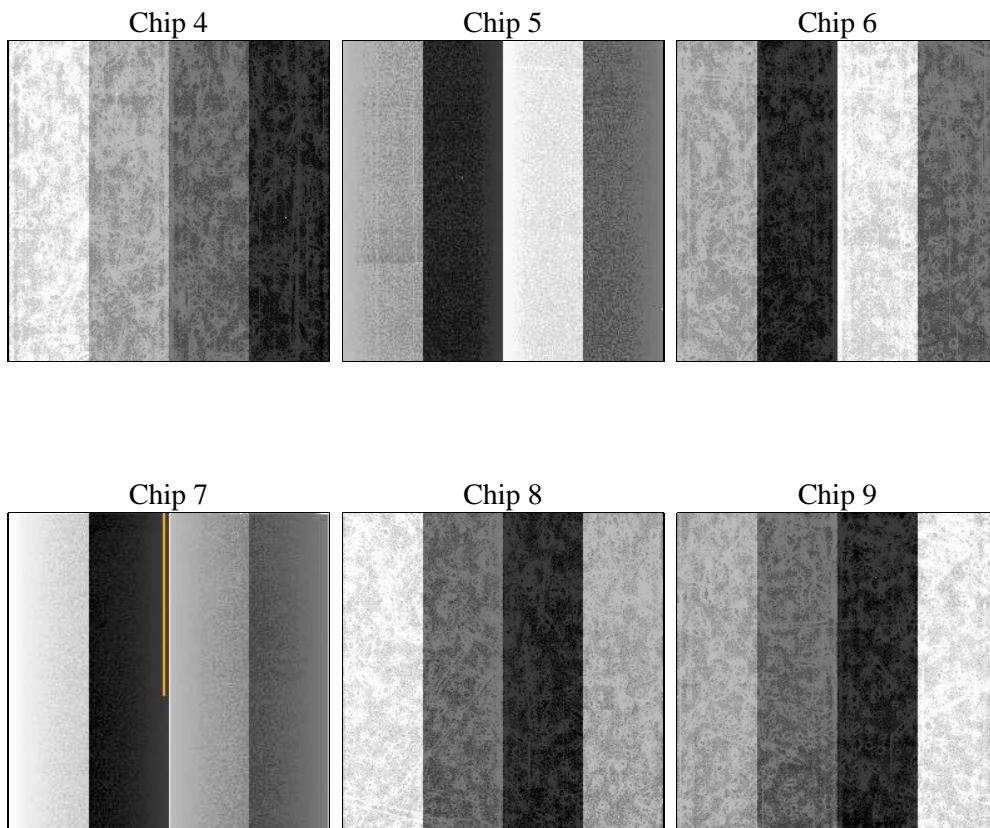
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8047.5796145797	Sum of GTIs [s]
caldsver	4.5.0	 	ontime4	8047.620654583	Sum of GTIs [s]
date	2012-07-03T07:25:27	Date and time of file creation	ontime5	8047.5385745764	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8047.4975345731	Sum of GTIs [s]
			ontime7	8047.5796145797	Sum of GTIs [s]
			ontime8	8047.4564945698	Sum of GTIs [s]
			ontime9	8047.4154545665	Sum of GTIs [s]
			l1events	428995	Number of level 1 events

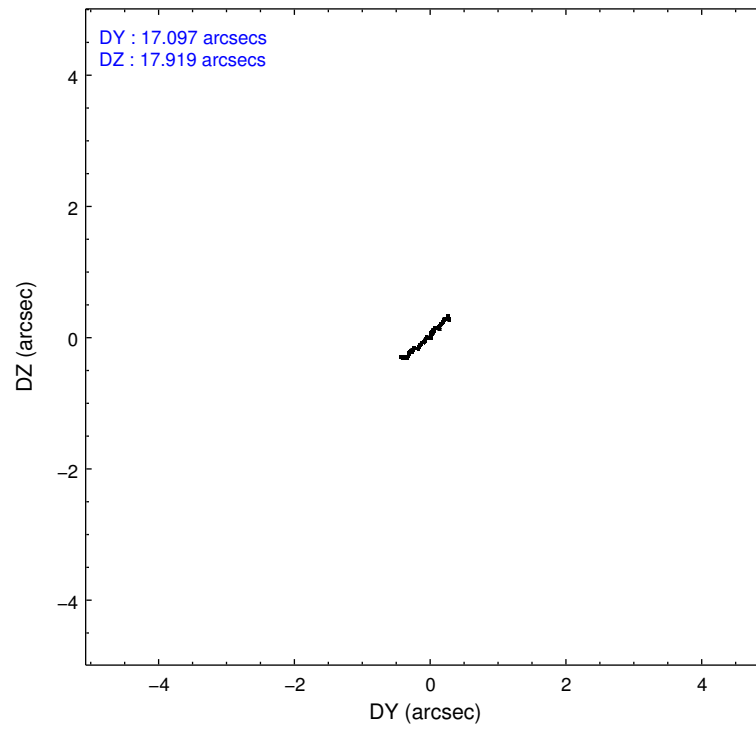
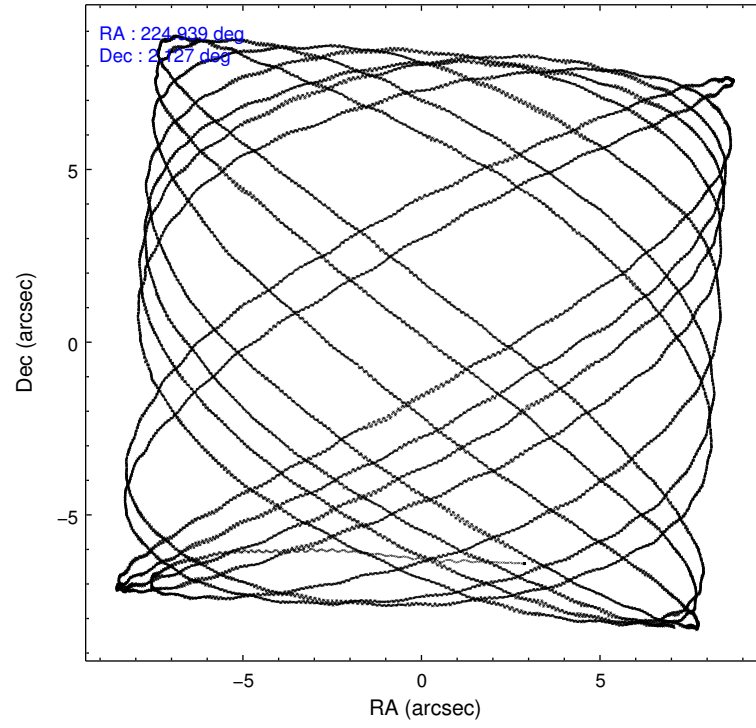
2.1.4 Events

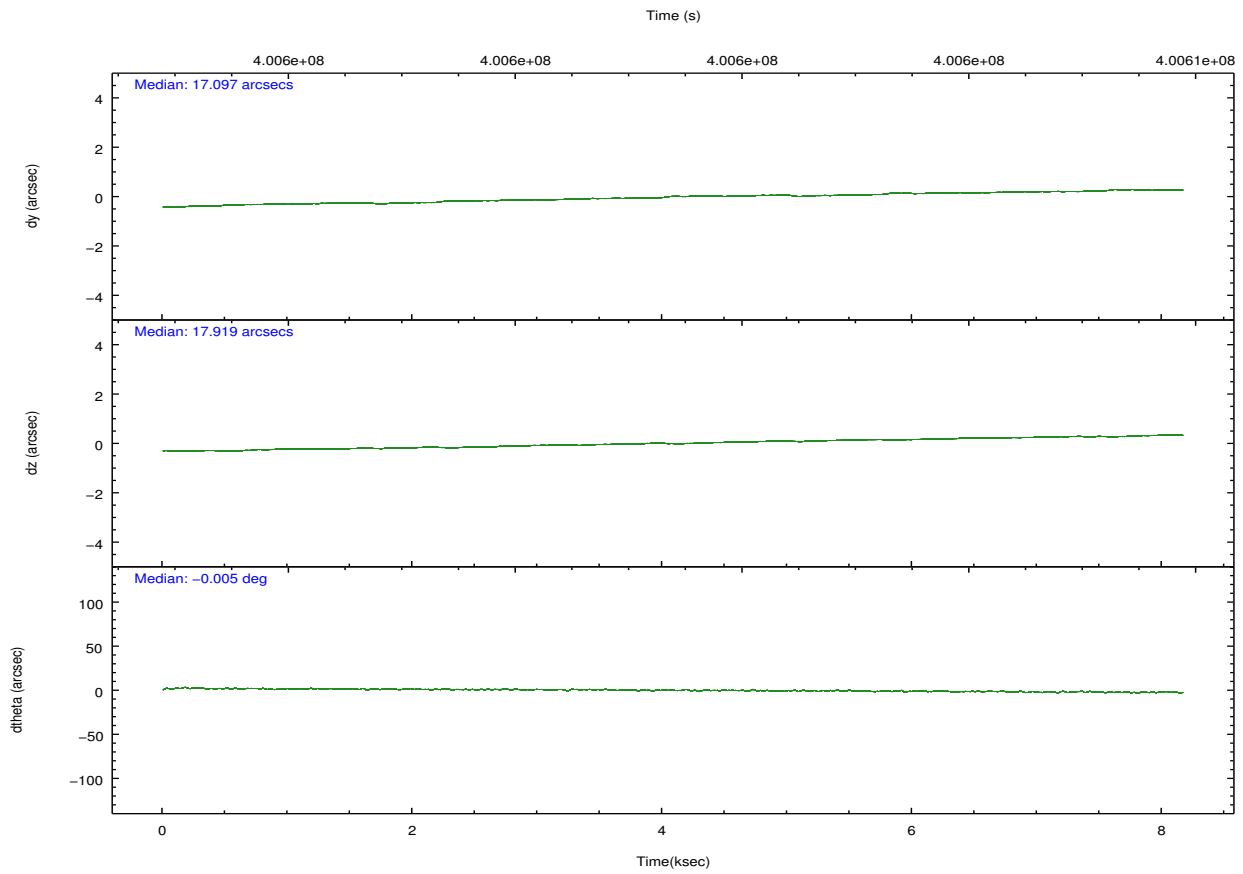
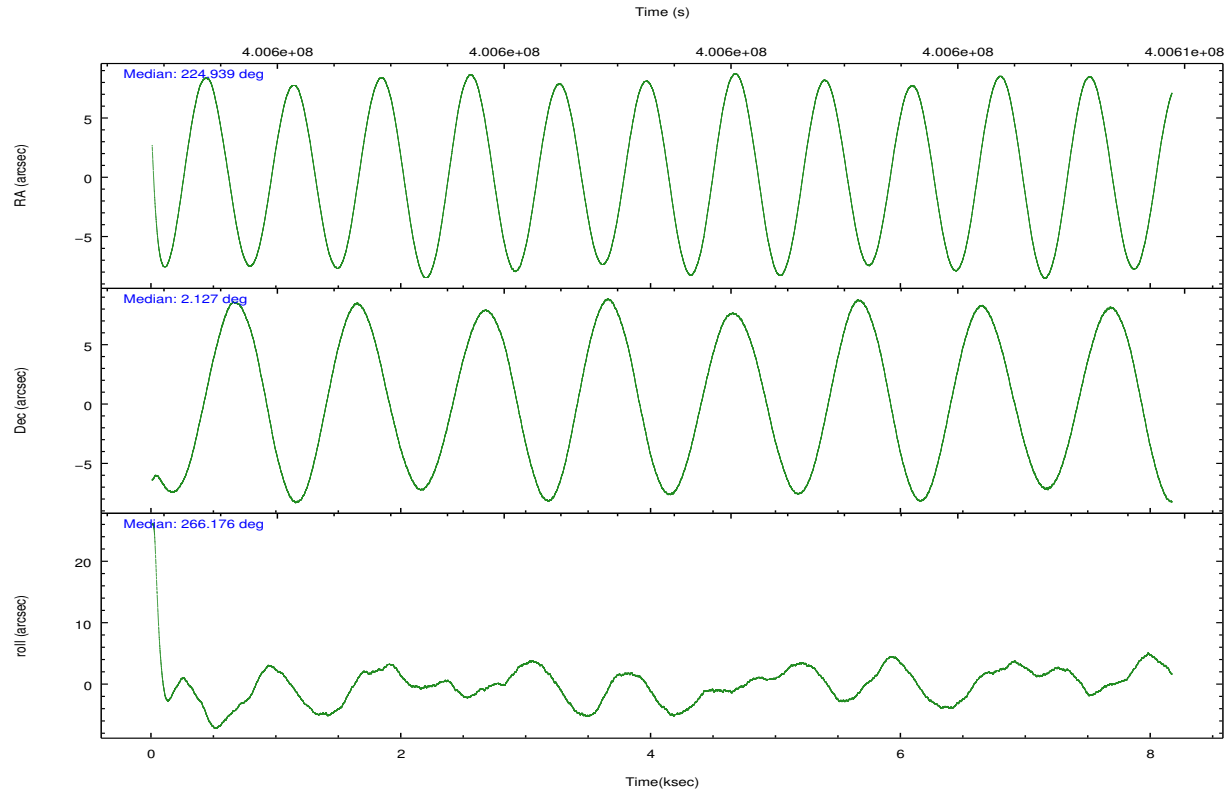
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	69212	93310	58966	72648	75401	59458	grade 0 events	4910	5805	2446	3102	6257	2713
rejected events	60047	46607	52180	40023	55165	52384		7%	6%	4%	4%	8%	4%
rejected %	86%	49%	88%	55%	73%	88%	grade 1 events	76	229	33	100	69	43
								0%	0%	0%	0%	0%	0%
							grade 2 events	1647	13929	1494	6650	4675	1465
								2%	14%	2%	9%	6%	2%
							grade 3 events	764	1734	689	2901	2009	687
								1%	1%	1%	3%	2%	1%
							grade 4 events	682	1685	725	2859	1929	691
								0%	1%	1%	3%	2%	1%
							grade 5 events	2683	7136	2654	7599	3924	2879
								3%	7%	4%	10%	5%	4%
							grade 6 events	1168	23587	1440	17139	5377	1522
								1%	25%	2%	23%	7%	2%
							grade 7 events	57282	39205	49485	32298	51161	49458
								82%	42%	83%	44%	67%	83%

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	224.926861	224.9392463034966	CCD I2 on	N	N
[deg] Pointing Dec	2.151147	2.126734634168314	CCD I3 on	N	N
[deg] Pointing Roll	266.026321	266.1825281843356	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	400597486.184000	400596428.67679	CCD S5 on	O2	Y
Observation start date	2010-09-11T13:03:40	2010-09-11T12:47:08	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	400605486.184000	400606449.0773	On-chip summing requested	N	N
Observation end date	2010-09-11T15:17:00	2010-09-11T15:34:09	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



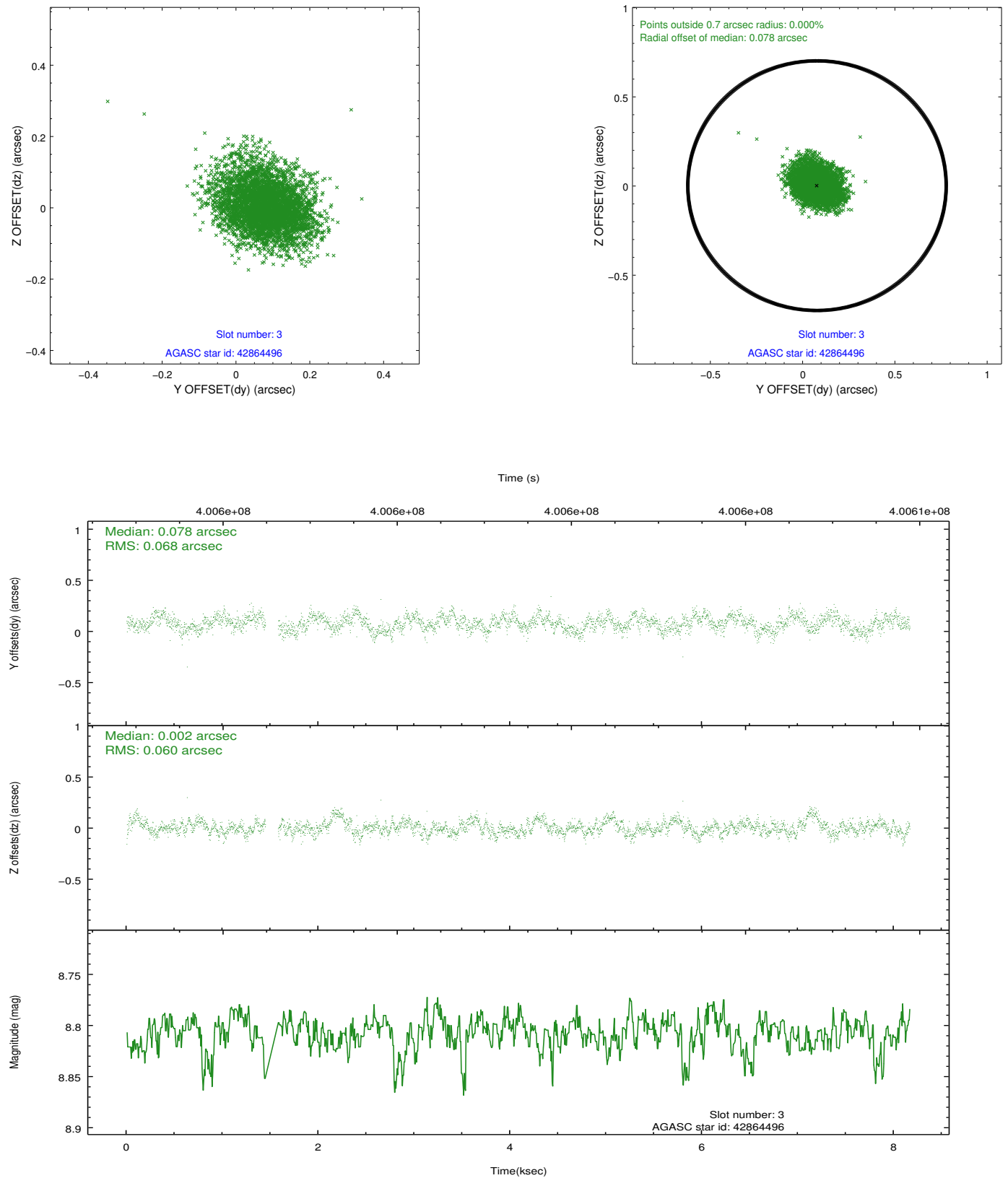


Slot Statistics

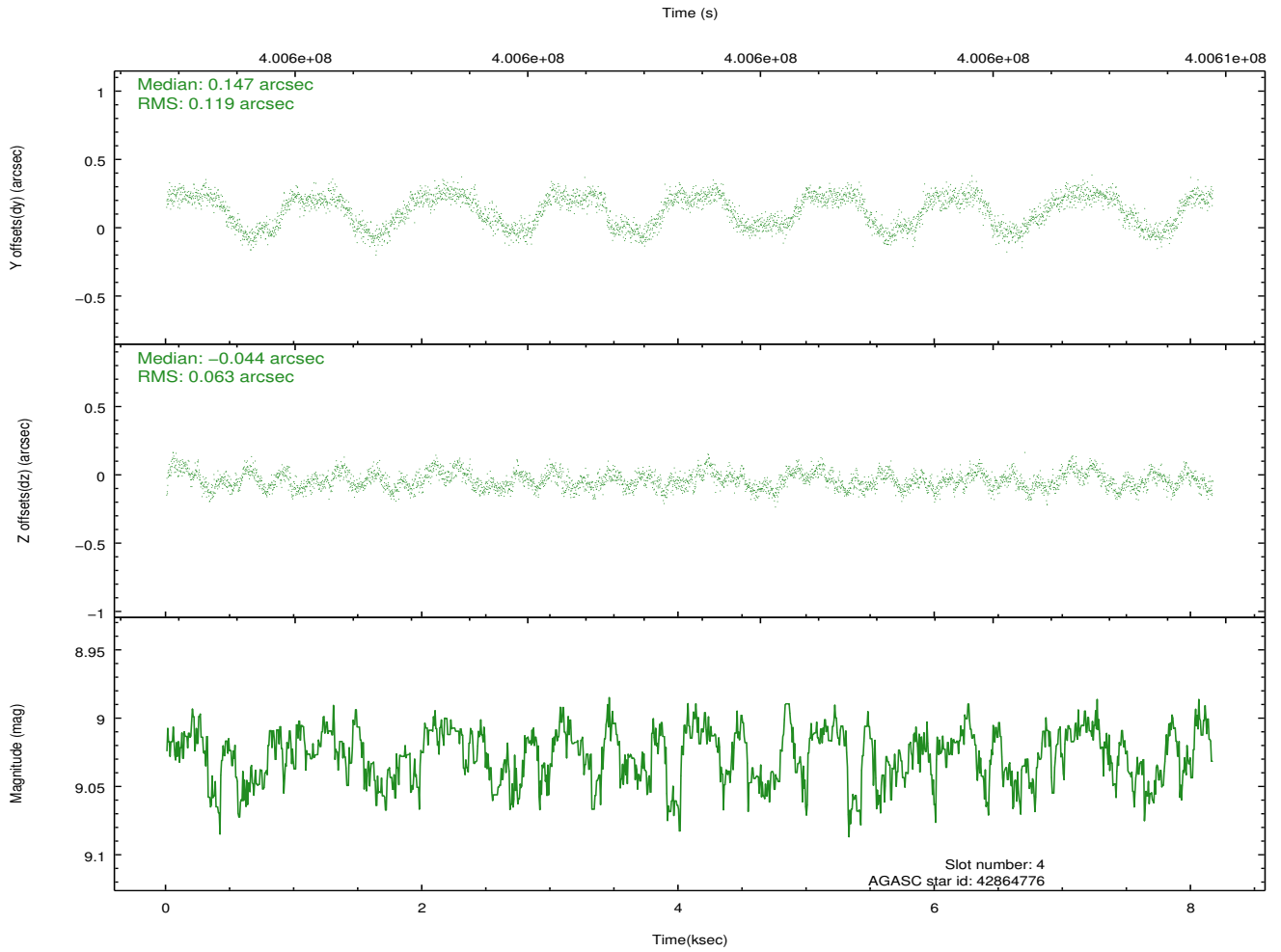
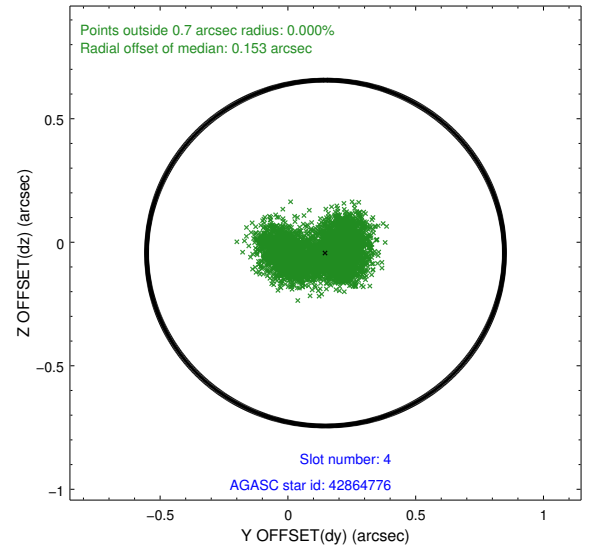
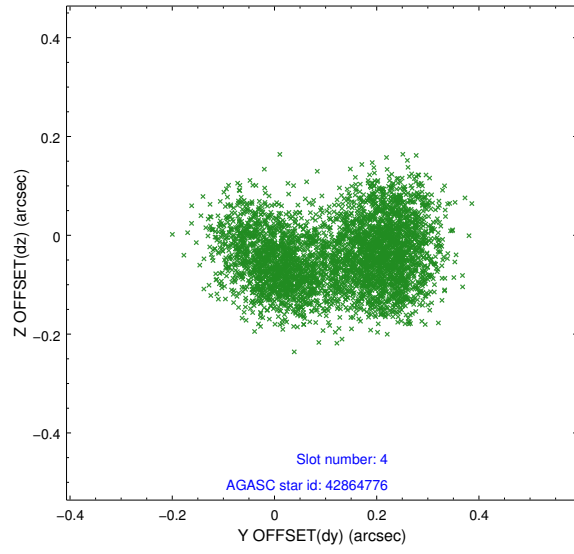
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.96	1991	0.165	-0.052	0.008	0.012	0.000000	0.000000	926.11	-1735.02
1	FID	ACIS-S-2	6.88	1992	-0.093	-0.013	0.011	0.018	0.000000	0.000000	-769.67	-1740.23
2	FID	ACIS-S-5	7.00	1992	-0.096	0.072	0.007	0.012	0.000000	0.000000	-1823.60	161.97
3	GUIDE	42864496	8.81	3918	0.078	0.002	0.096	0.157	224.530171	1.653443	1886.97	-1299.47
4	GUIDE	42864776	9.03	3982	0.147	-0.044	0.147	0.224	224.993302	1.618488	1898.34	371.10
5	GUIDE	42865904	9.97	3983	-0.089	-0.196	0.205	0.307	224.260849	1.973204	805.61	-2345.96
6	GUIDE	43782432	8.05	3982	-0.082	0.197	0.077	0.122	225.298629	1.853875	975.02	1408.51
7	GUIDE	44304840	10.12	3976	-0.053	0.035	0.147	0.243	225.367238	2.708283	-2110.46	1441.10

2.4 Star Slots

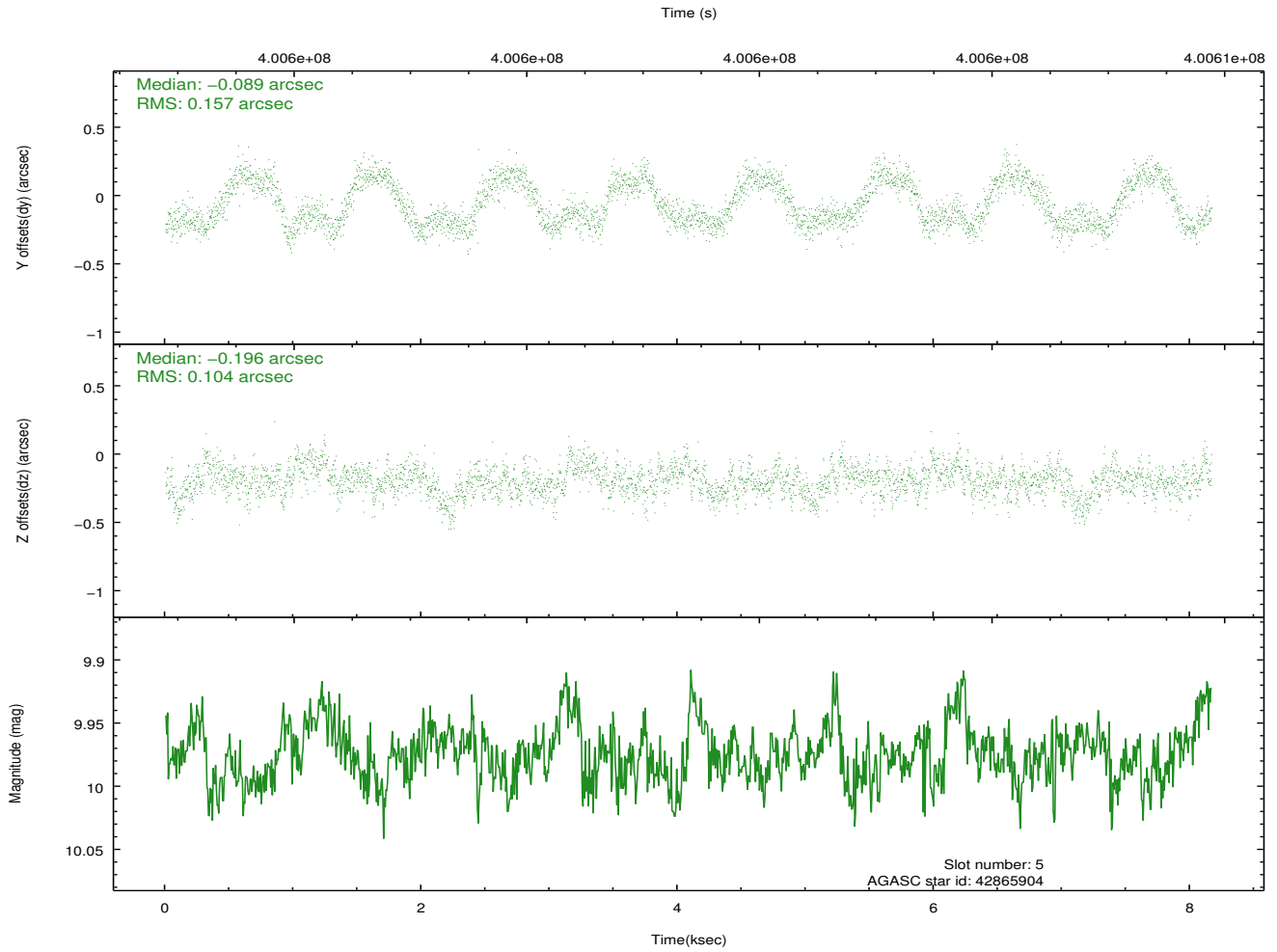
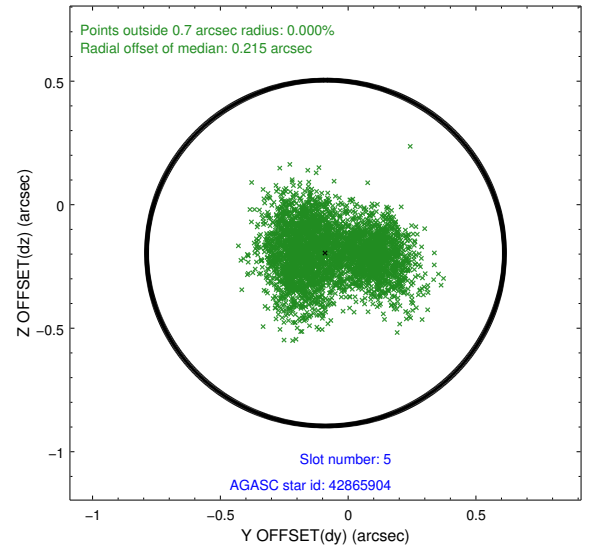
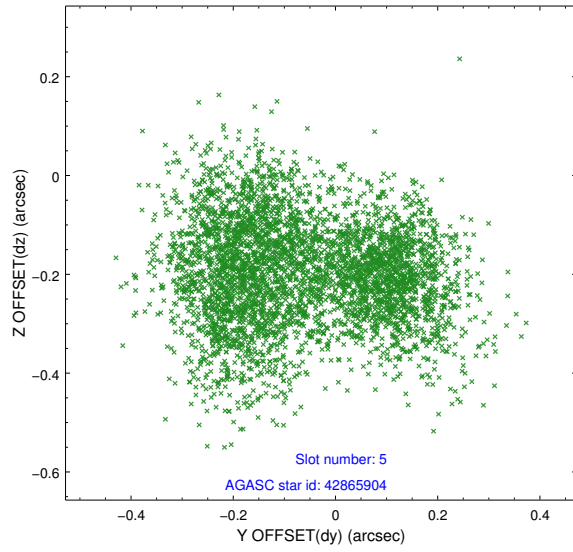
2.4.1 Slot 3



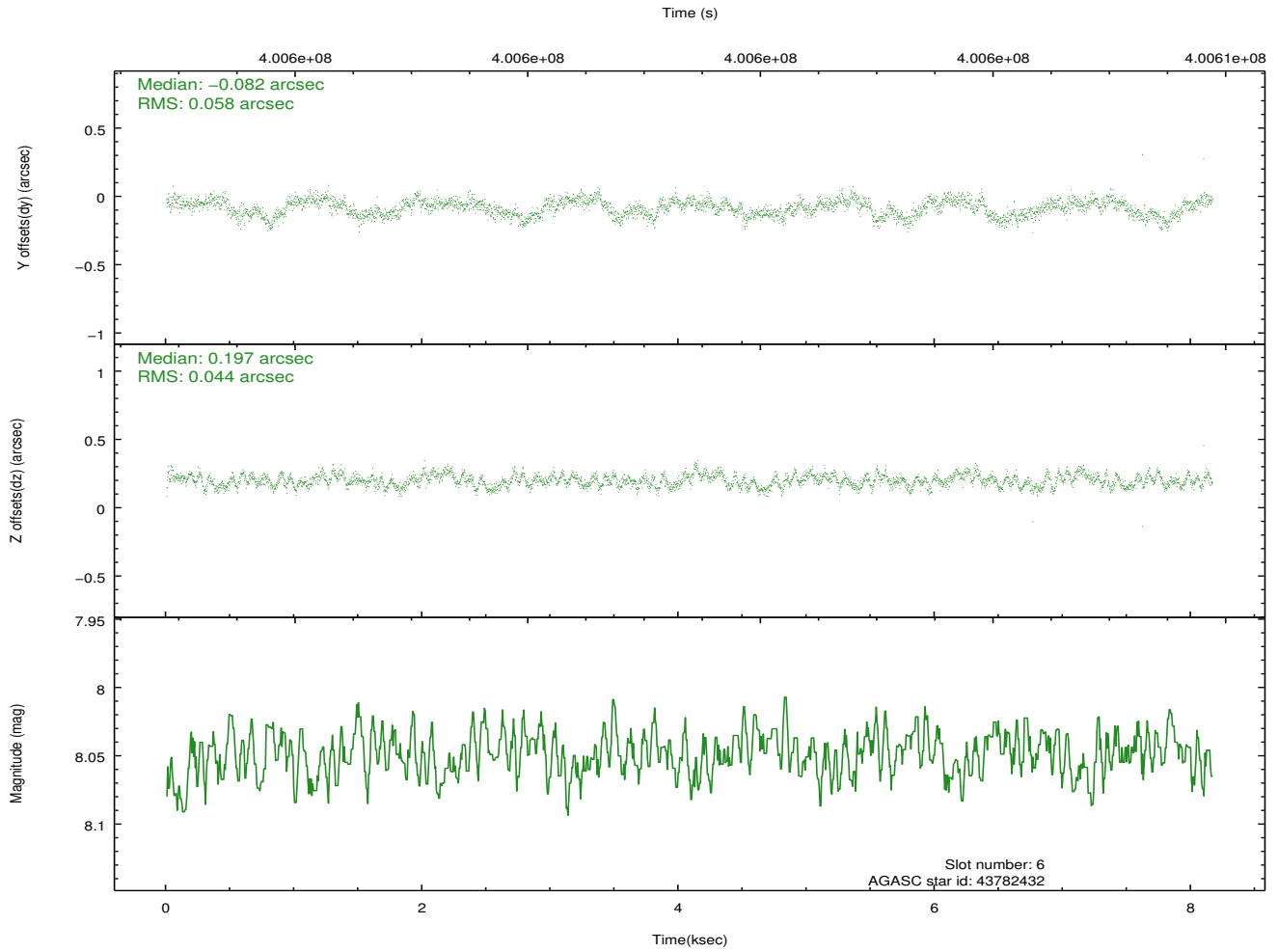
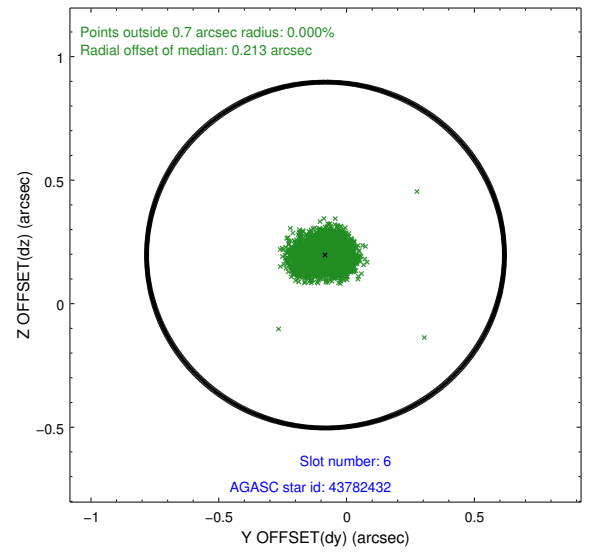
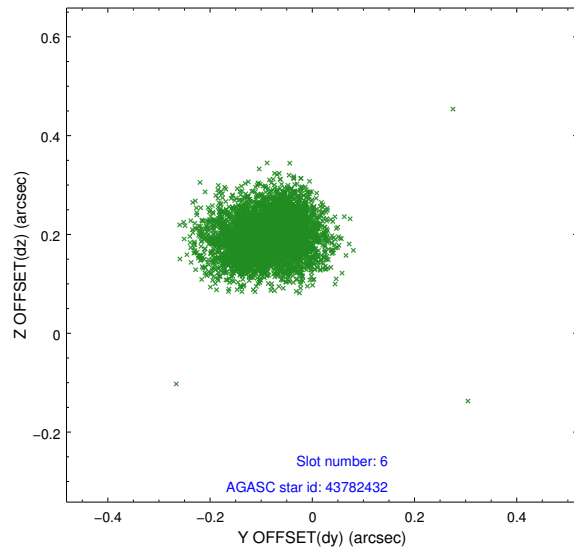
2.4.2 Slot 4



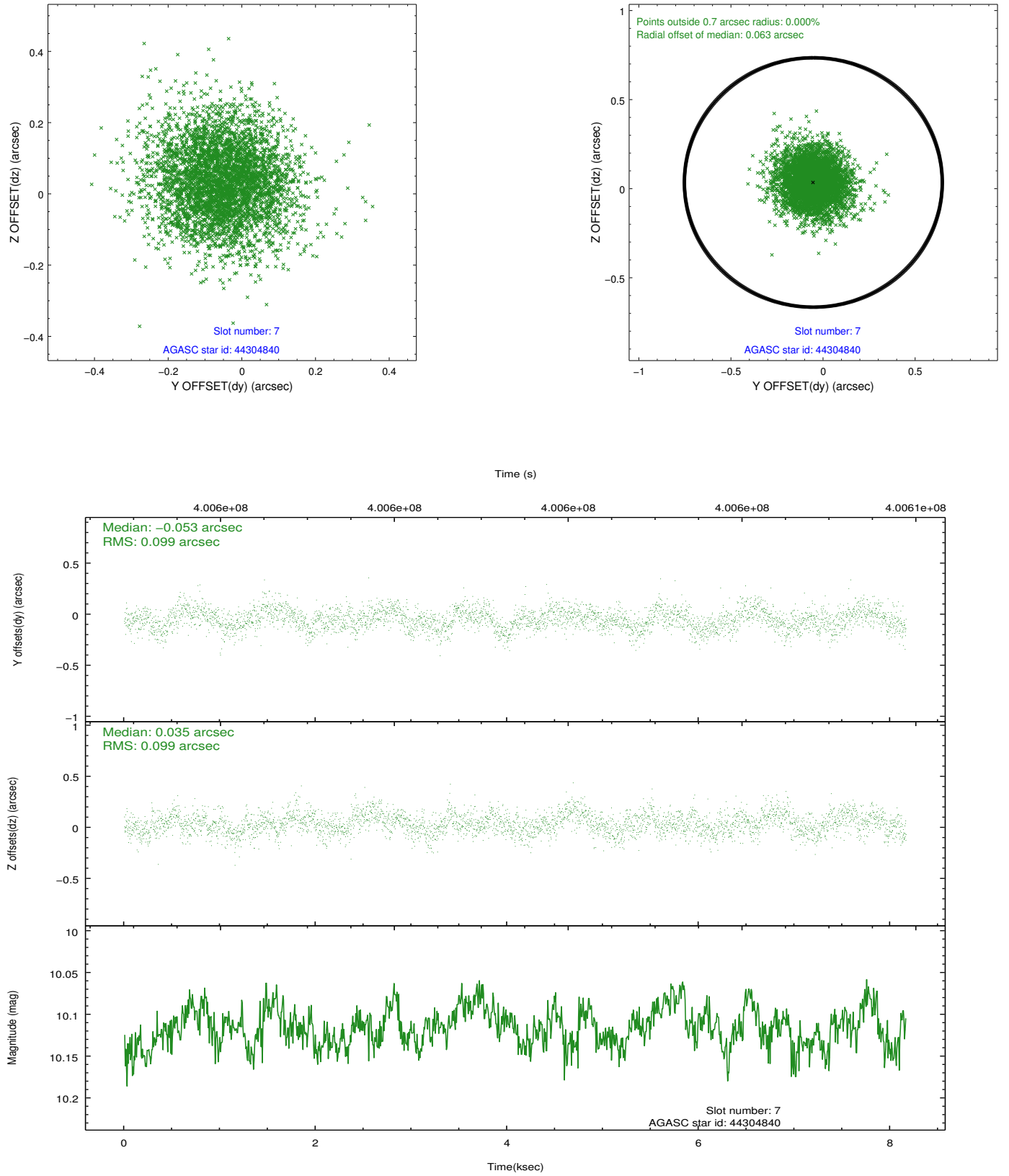
2.4.3 Slot 5



2.4.4 Slot 6

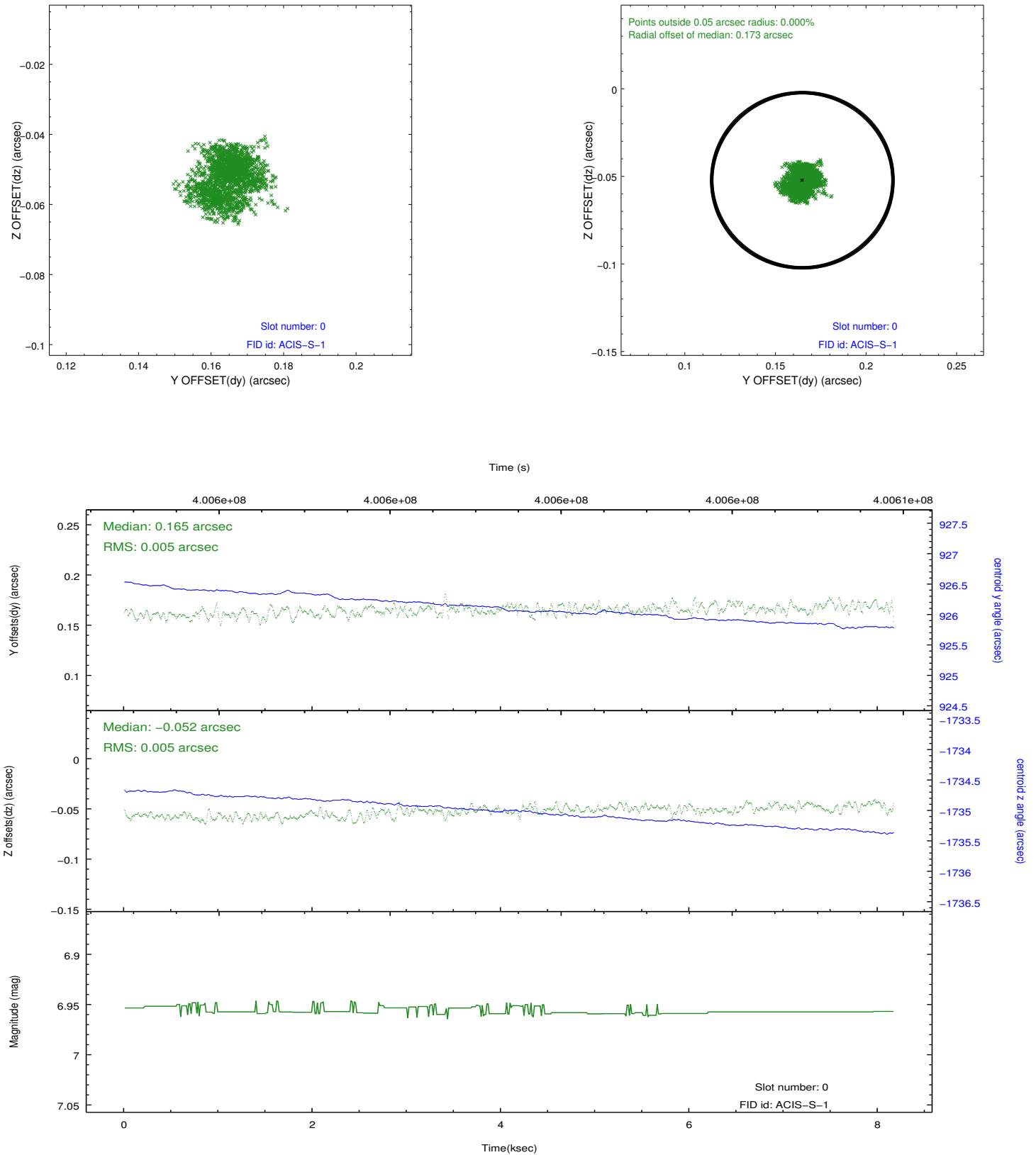


2.4.5 Slot 7

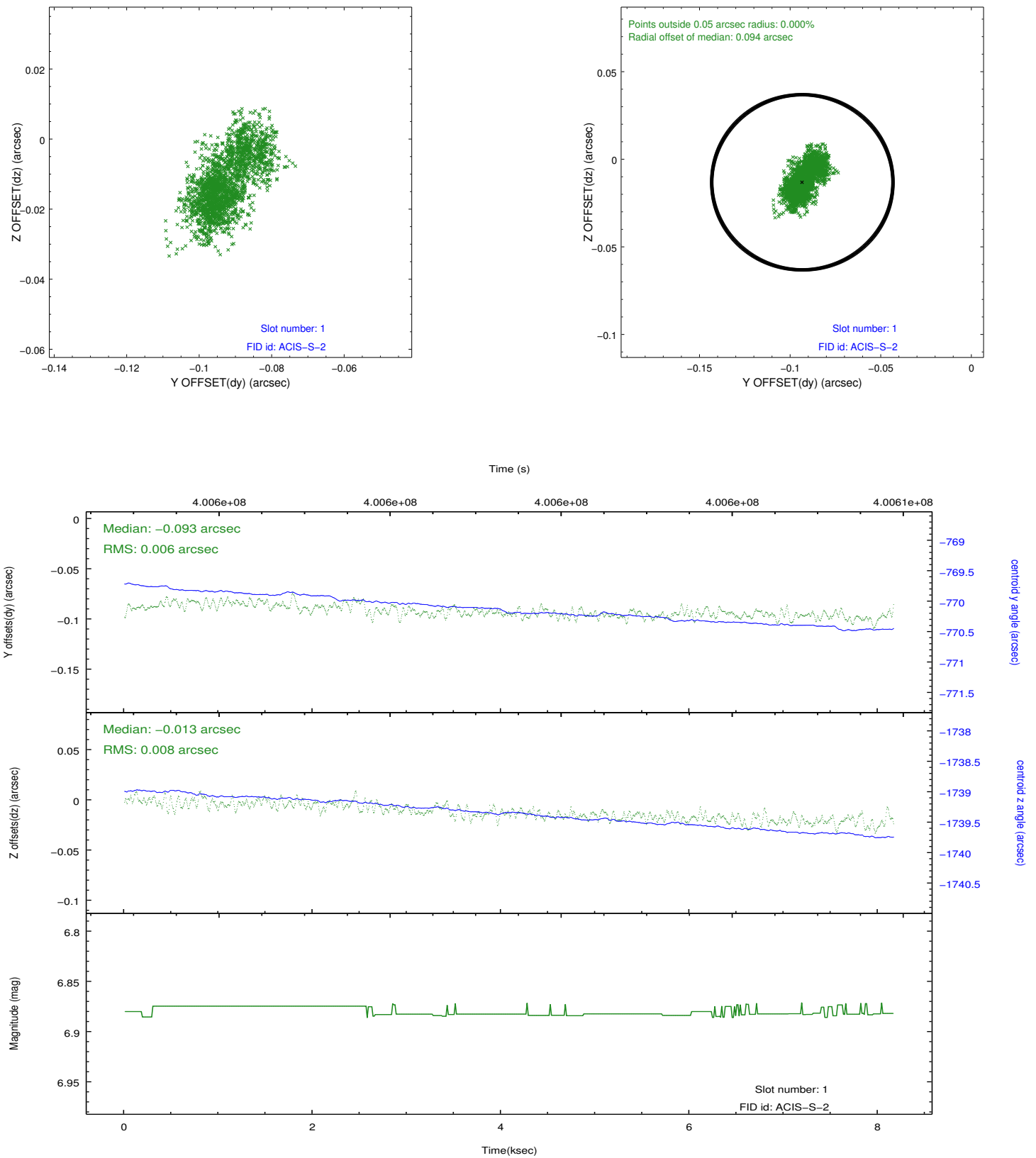


2.5 FID Slots

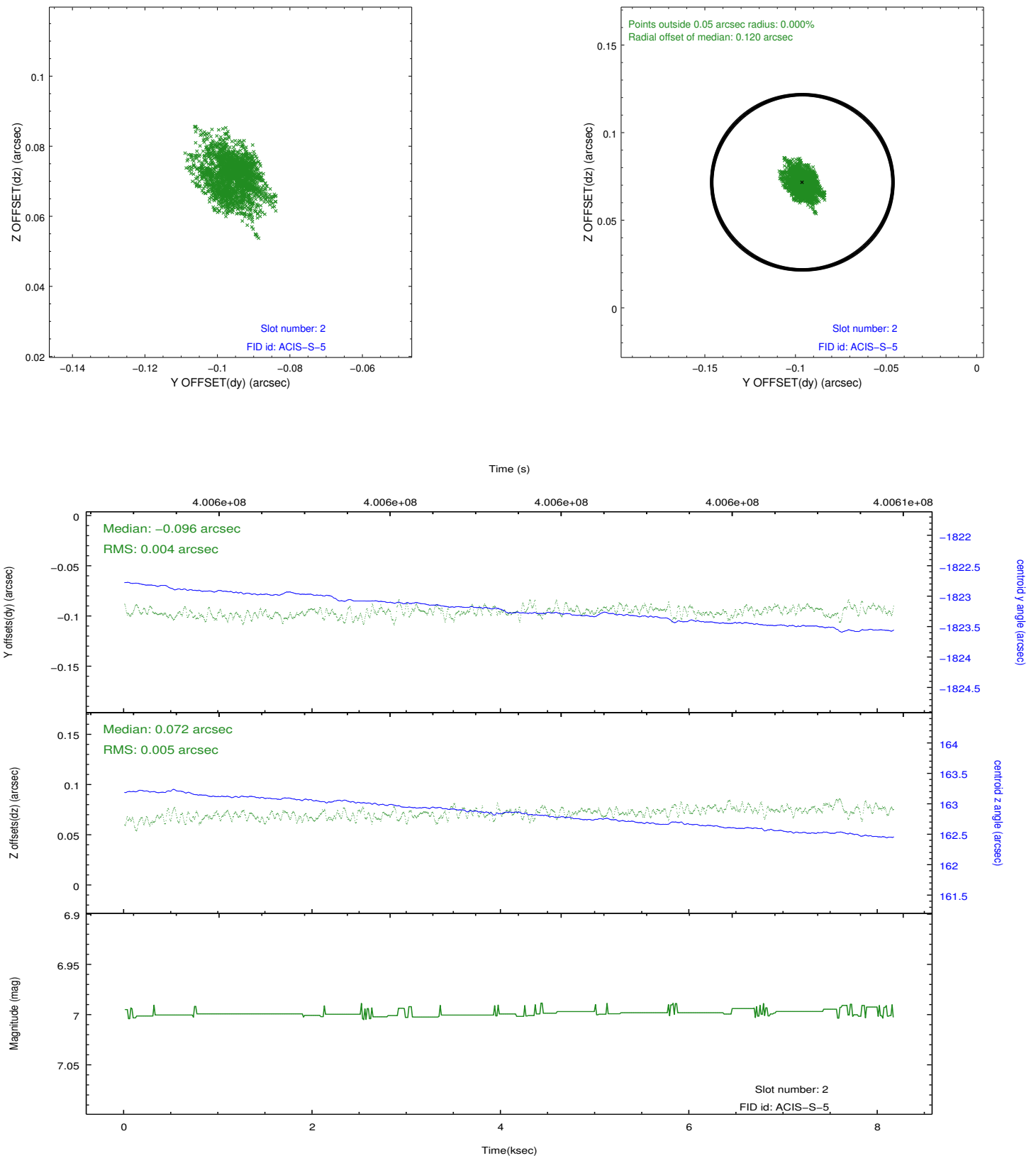
2.5.1 Slot 0



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)	2012.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0475796155334

A.2 Comments