

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4863 - L2 Version 3
Chandra X-Ray Center

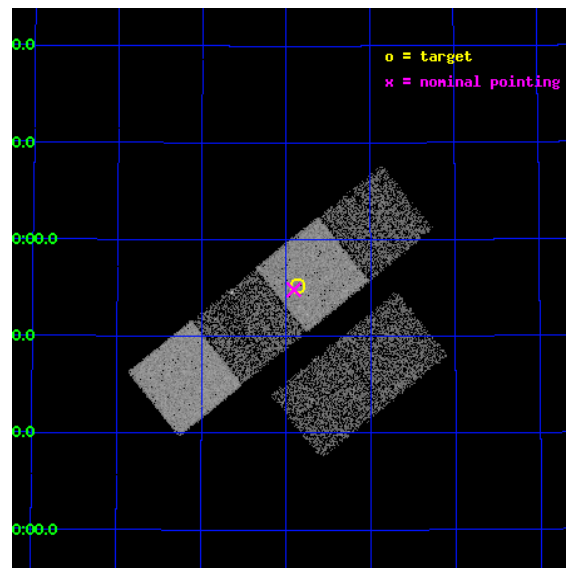
L2 Processing Date : Nov 7 2012

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1 Front

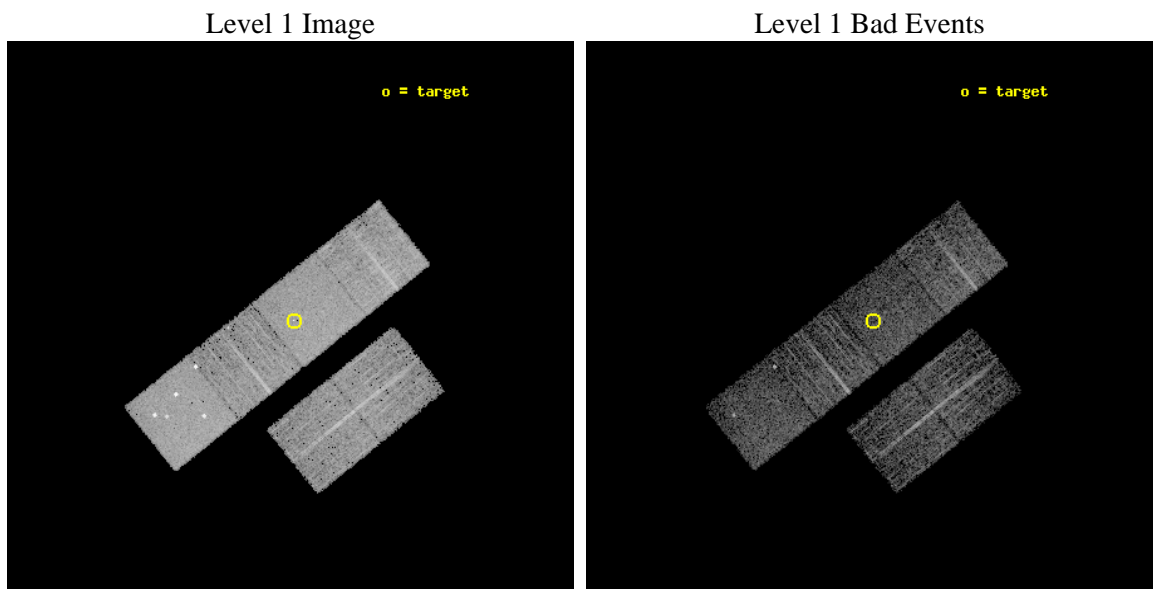
seq_num	700945	Sequence number
obs_id	4863	Observation id
title	X-ray Properties of Dust Reddened Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Dr. Gordon Richards	Principal investigator
object	SDSS J173551.92+535515.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.96625	Observer's specified target RA [deg]
dec_targ	53.921	Observer's specified target Dec [deg]
ra_nom	263.97719928925	Nominal RA [deg]
dec_nom	53.91371163773	Nominal Dec [deg]
roll_nom	321.12322492357	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5489.9874227047	Sum of GTIs [s]
livetime	5420.4698962849	Livetime [s]
ontime2	5490.028462708	Sum of GTIs [s]
ontime3	5489.8643026948	Sum of GTIs [s]
ontime5	5489.9463827014	Sum of GTIs [s]
ontime6	5489.9053227901	Sum of GTIs [s]
ontime7	5489.9874227047	Sum of GTIs [s]
ontime8	5486.582202822	Sum of GTIs [s]
l2events	54426	Number of level 2 events



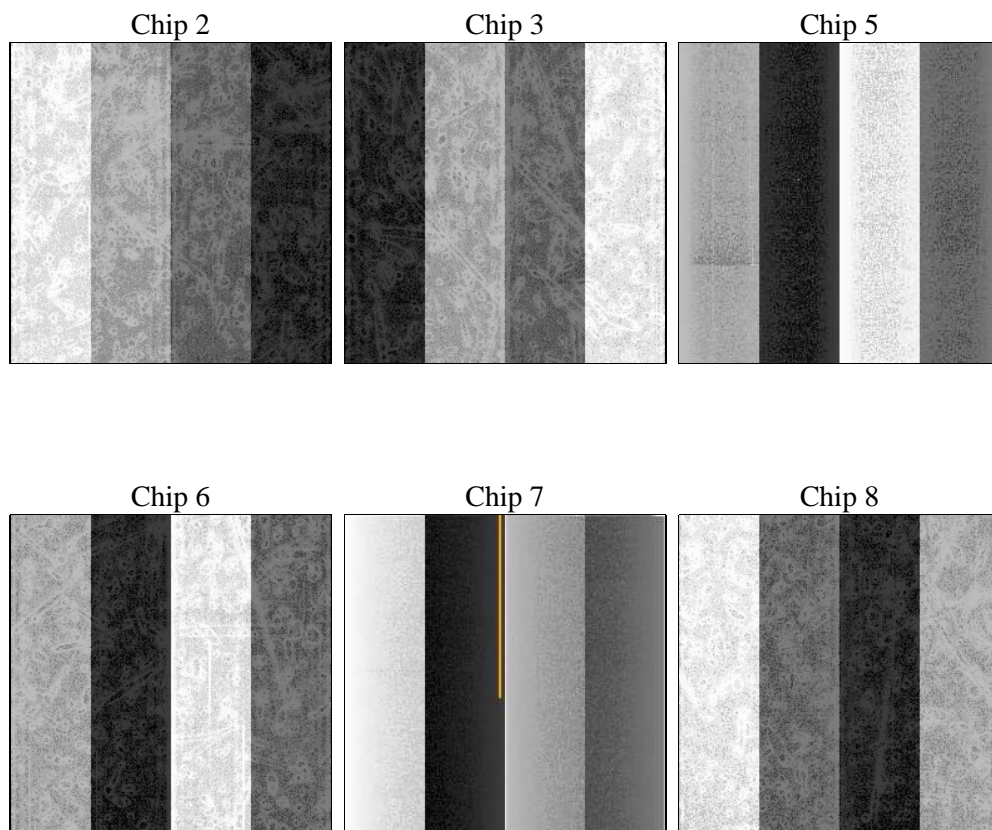
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5730.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5489.9874227047	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	5490.028462708	Sum of GTIs [s]
date	2012-11-07T12:48:49	Date and time of file creation	ontime3	5489.8643026948	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5489.9463827014	Sum of GTIs [s]
			ontime6	5489.9053227901	Sum of GTIs [s]
			ontime7	5489.9874227047	Sum of GTIs [s]
			ontime8	5486.582202822	Sum of GTIs [s]
			l1events	233838	Number of level 1 events

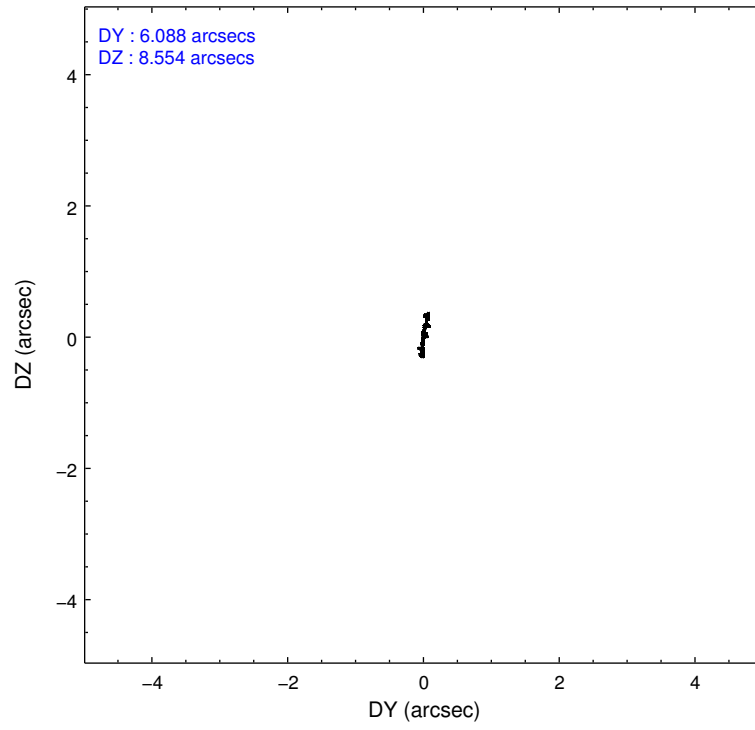
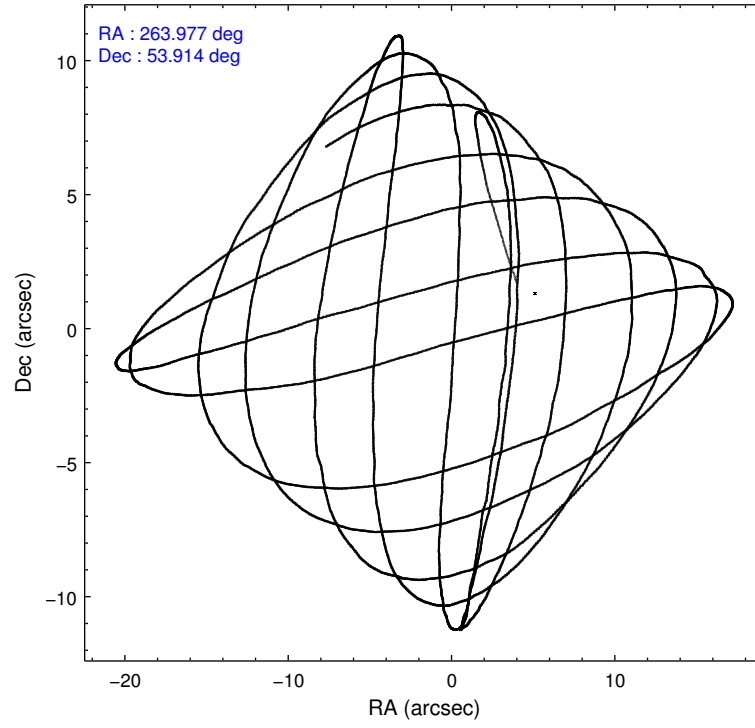
2.1.4 Events

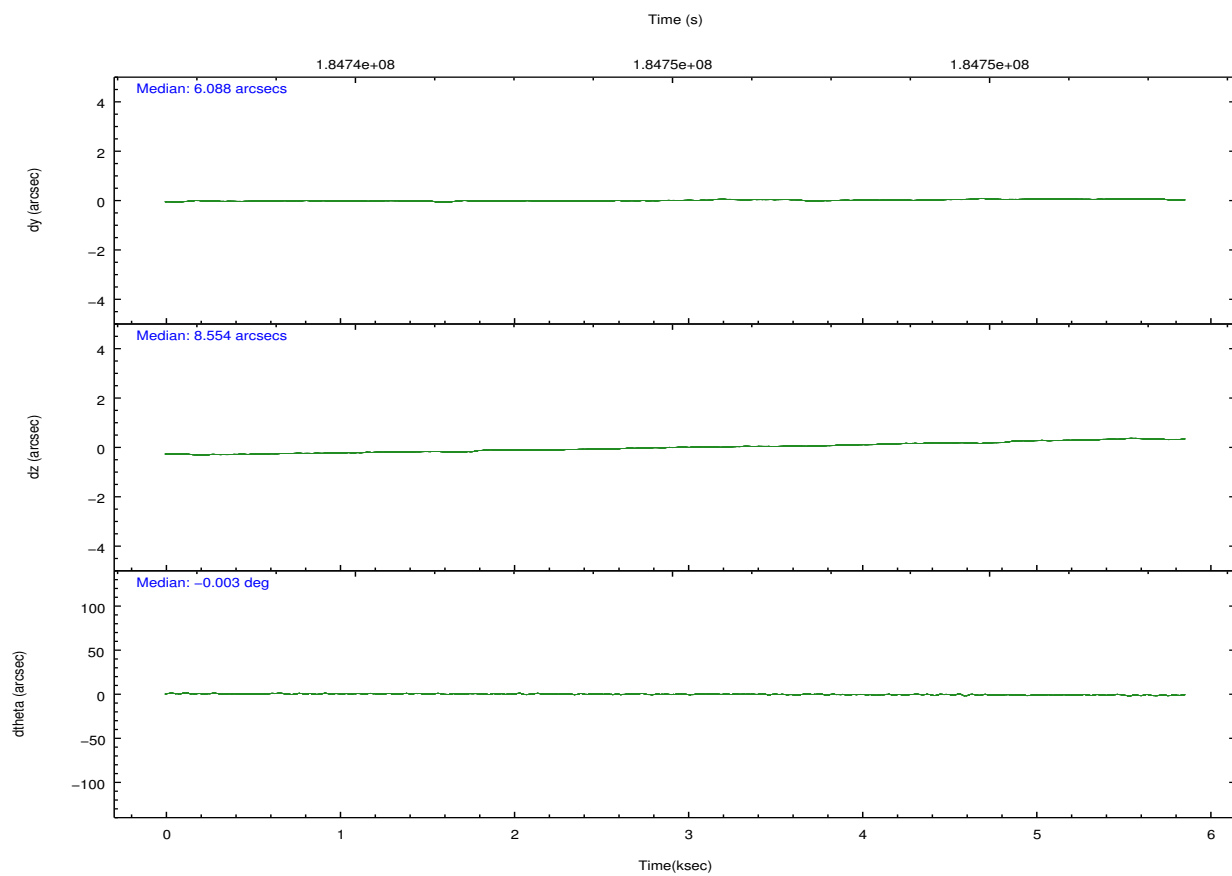
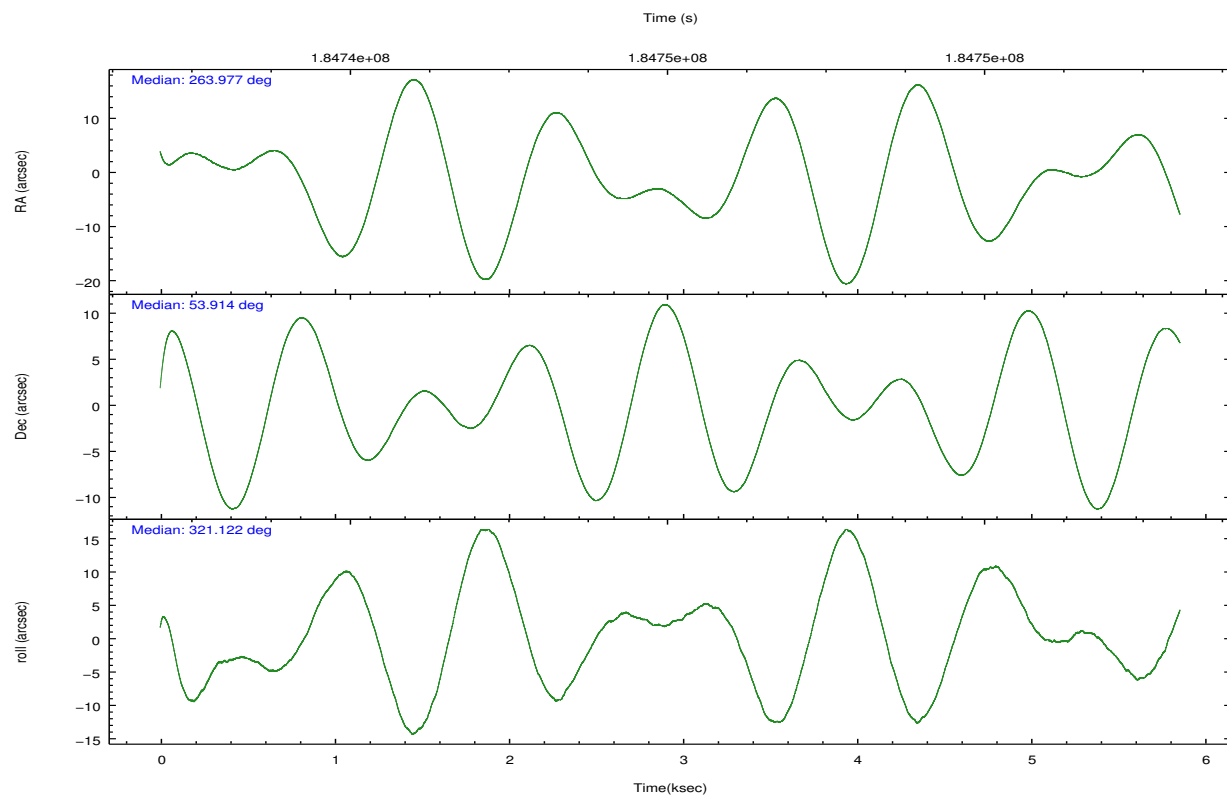
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	30718	30888	51705	33128	43383	44016	grade 0 events	2032	1839	5241	1989	1895	3509
rejected events	26338	26807	25419	28570	24610	33347		6%	5%	10%	6%	4%	7%
rejected %	85%	86%	49%	86%	56%	75%	grade 1 events	24	25	109	11	56	30
								0%	0%	0%	0%	0%	0%
							grade 2 events	849	823	6940	927	3740	2012
								2%	2%	13%	2%	8%	4%
							grade 3 events	375	347	1051	391	1668	1381
								1%	1%	2%	1%	3%	3%
							grade 4 events	405	355	1140	391	1684	1309
								1%	1%	2%	1%	3%	2%
							grade 5 events	1195	1384	3523	1395	4085	1732
								3%	4%	6%	4%	9%	3%
							grade 6 events	723	718	11932	861	9793	2462
								2%	2%	23%	2%	22%	5%
							grade 7 events	25115	25397	21769	27163	20462	31581
								81%	82%	42%	81%	47%	71%

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	263.931254	263.9771992892483	Subarray requested	NONE	NONE
[deg] Pointing Dec	53.917537	53.91371163772968	Alternating exposures requested	N	N
[deg] Pointing Roll	321.003715	321.1232249235678	[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)	184743209.184000	184741973.06256			
Observation start date	2003-11-09T05:32:25	2003-11-09T05:12:53			
[s] Observation end time (MET)	184748939.184000	184749726.16289			
Observation end date	2003-11-09T07:07:55	2003-11-09T07:22:06			
Read mode	TIMED	TIMED			

2.3 Aspect



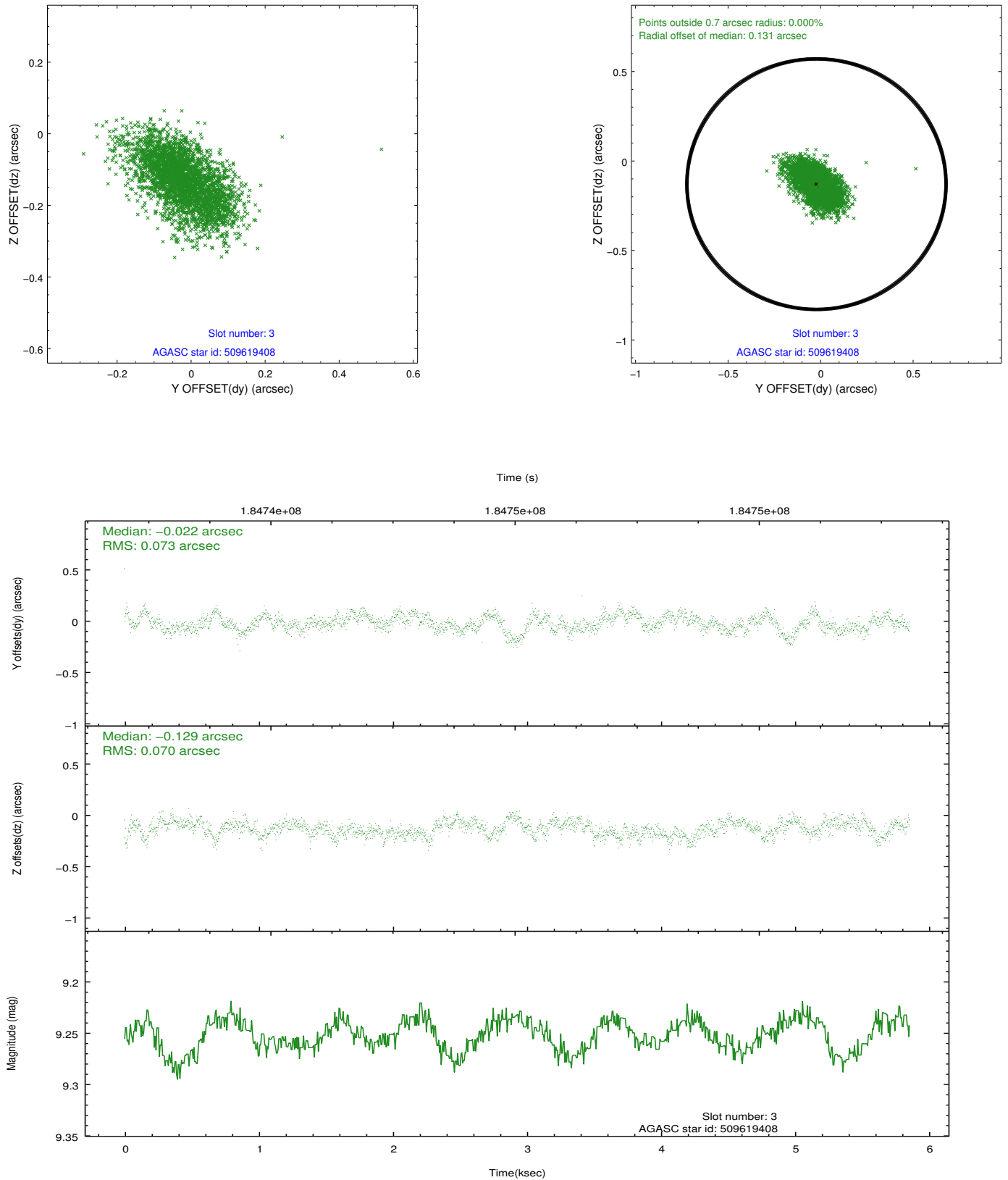


Slot Statistics

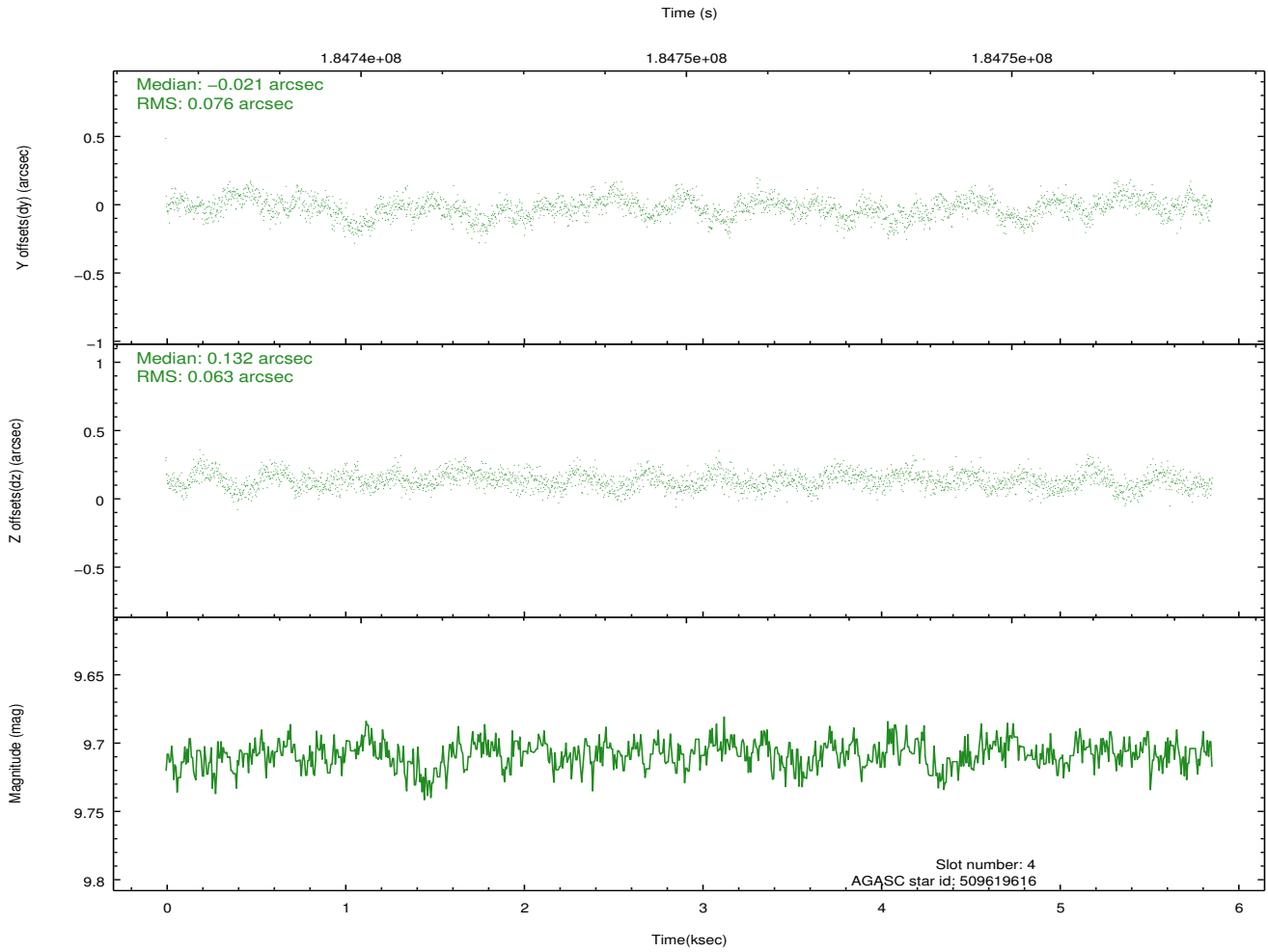
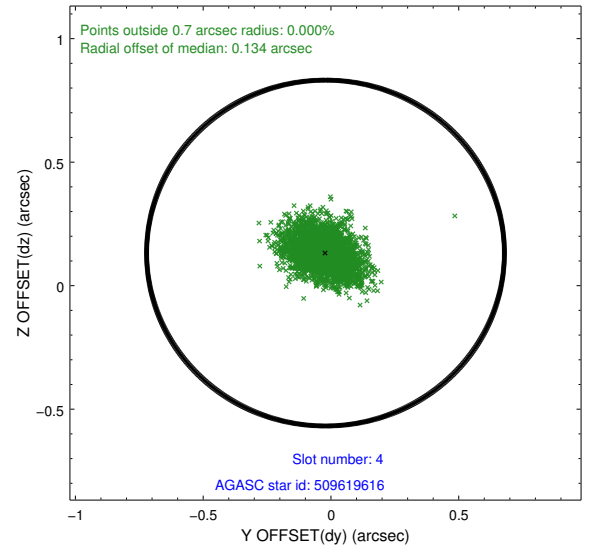
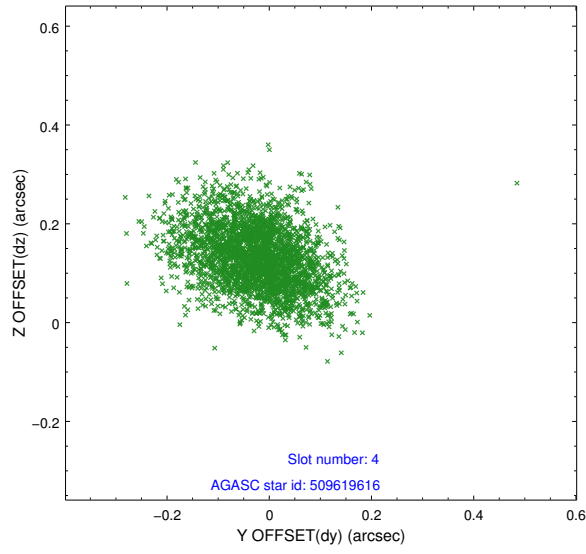
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1429	-0.038	-0.042	0.007	0.012	0.000000	0.000000	-758.88	-1729.79
1	FID	ACIS-S-4	7.21	1429	0.068	0.029	0.006	0.010	0.000000	0.000000	2154.06	177.68
2	FID	ACIS-S-5	7.23	1429	-0.061	0.021	0.006	0.011	0.000000	0.000000	-1810.42	172.54
3	GUIDE	509619408	9.25	2858	-0.022	-0.129	0.107	0.177	262.859346	53.951959	-1853.30	-1319.60
4	GUIDE	509619616	9.71	2856	-0.021	0.132	0.104	0.173	263.183201	54.225440	-1926.67	-123.15
5	GUIDE	509742616	9.87	2858	0.032	0.042	0.123	0.199	264.491892	53.905487	947.99	718.13
6	GUIDE	509746536	8.95	2801	0.017	0.002	0.076	0.120	264.692553	53.666022	1826.96	324.98
7	GUIDE	509749752	10.32	2853	-0.002	-0.048	0.162	0.255	263.552766	53.895804	-575.25	-564.36

2.4 Star Slots

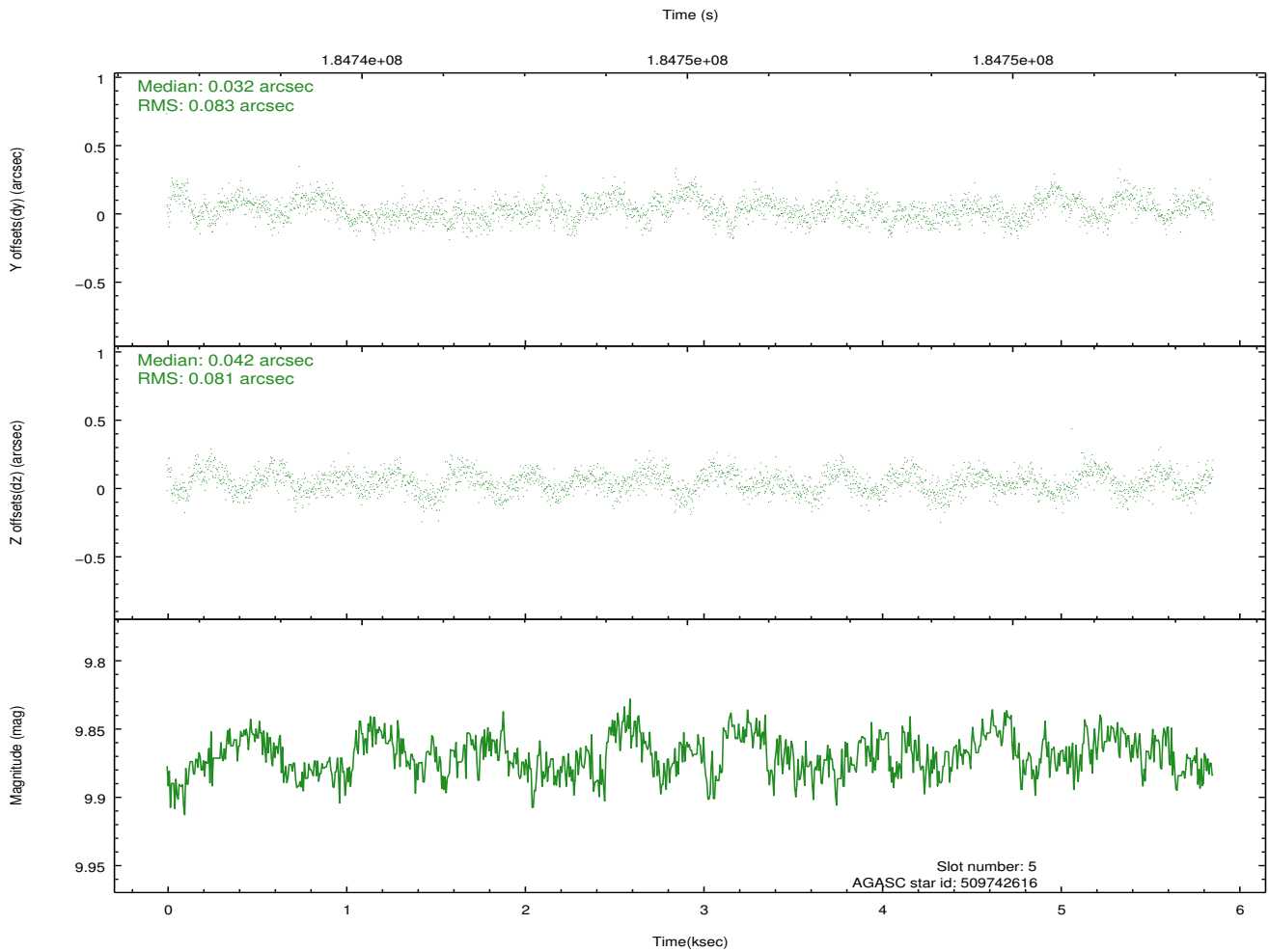
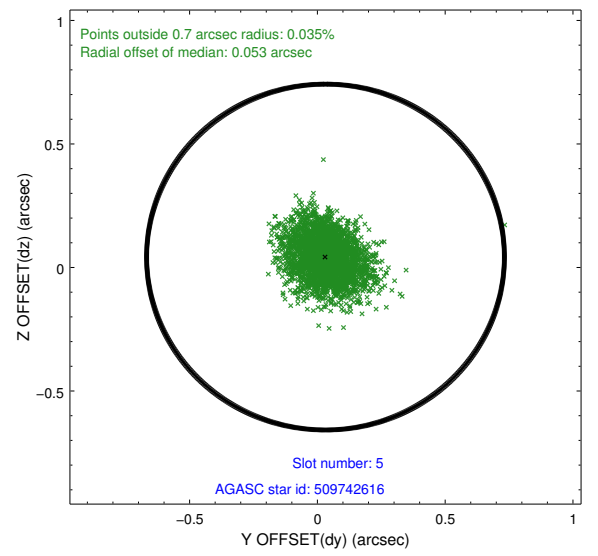
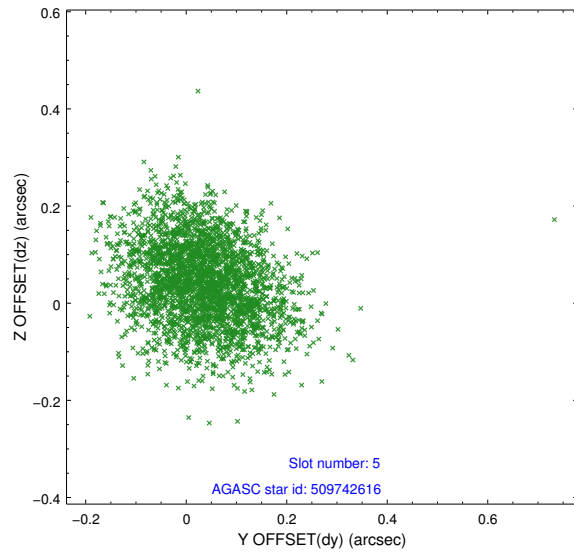
2.4.1 Slot 3



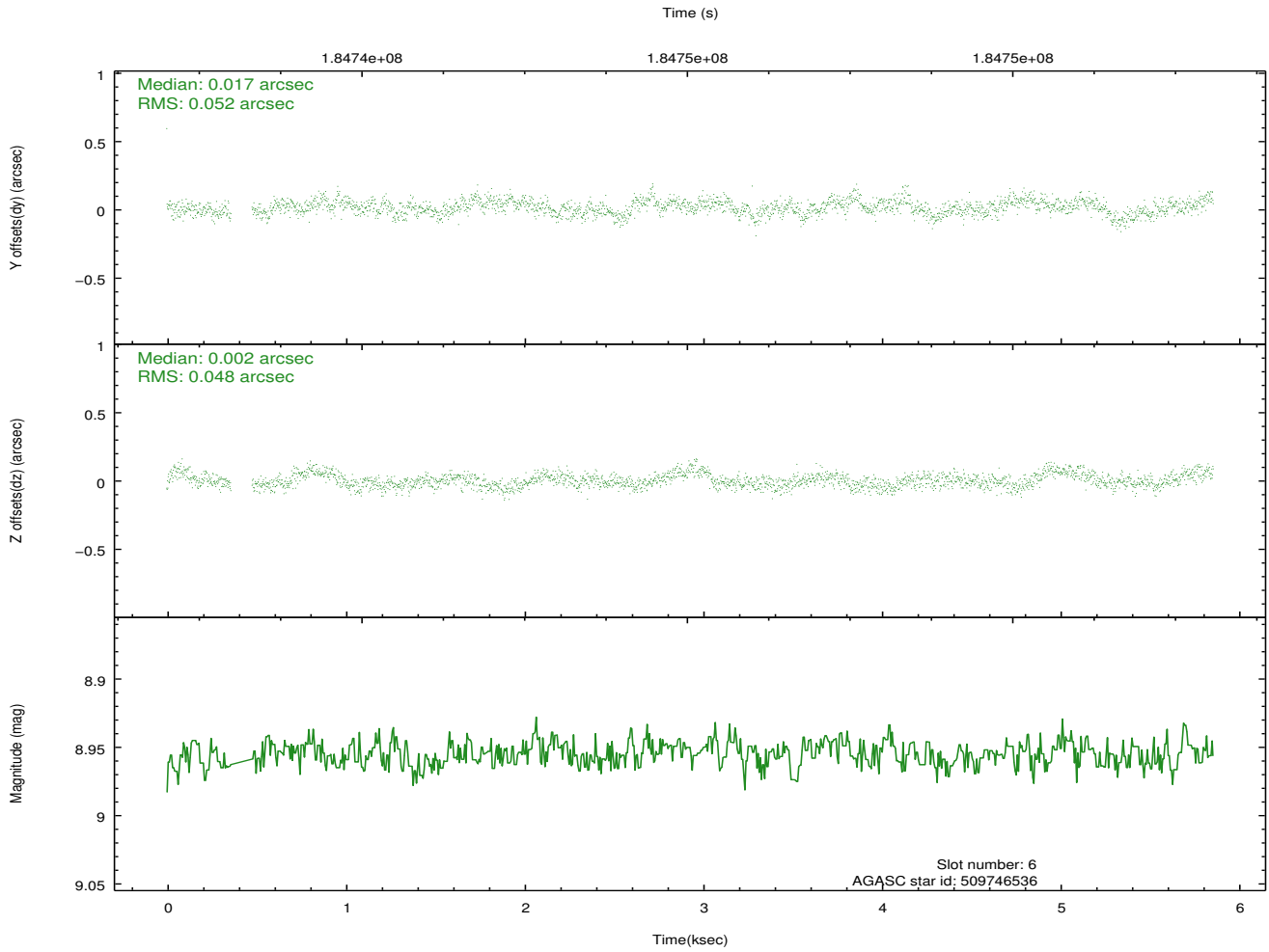
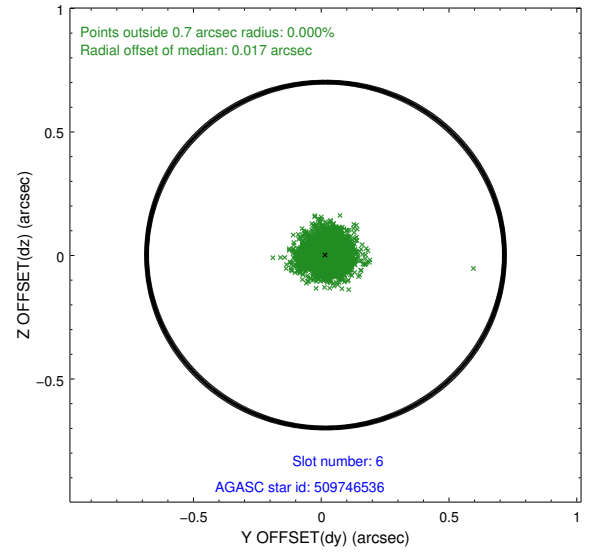
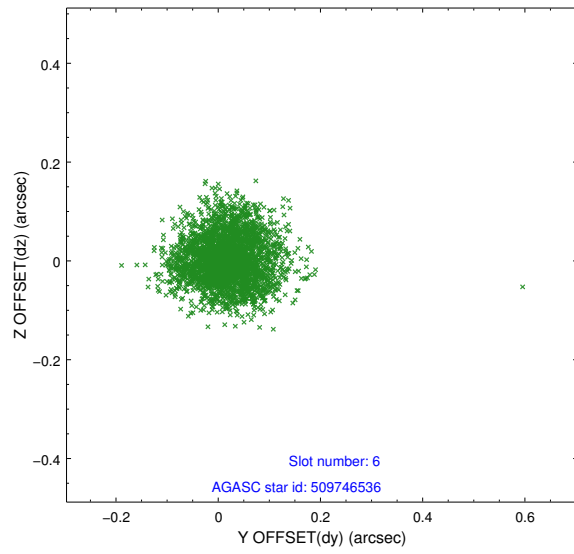
2.4.2 Slot 4



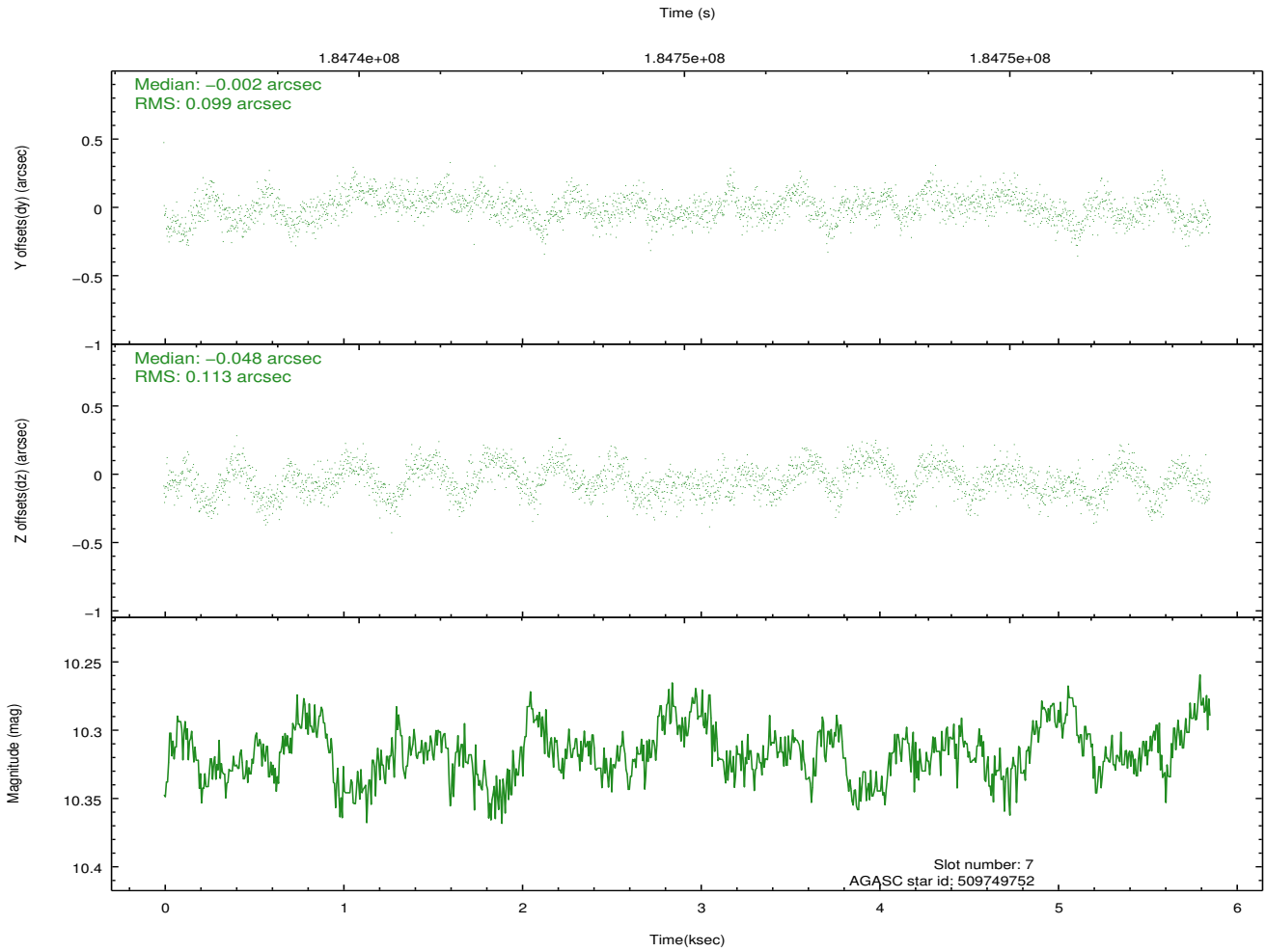
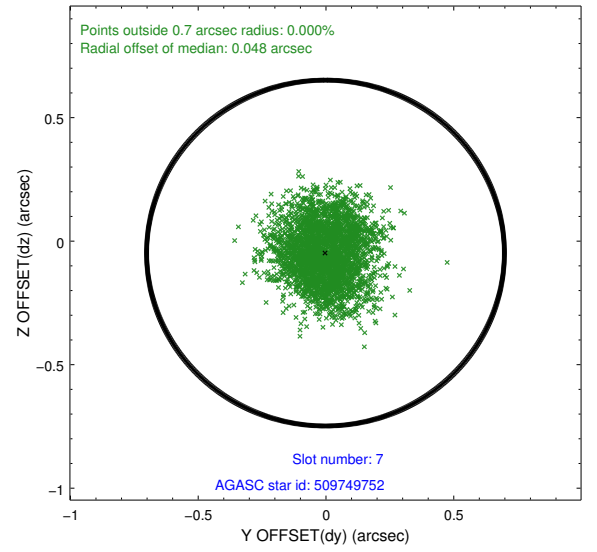
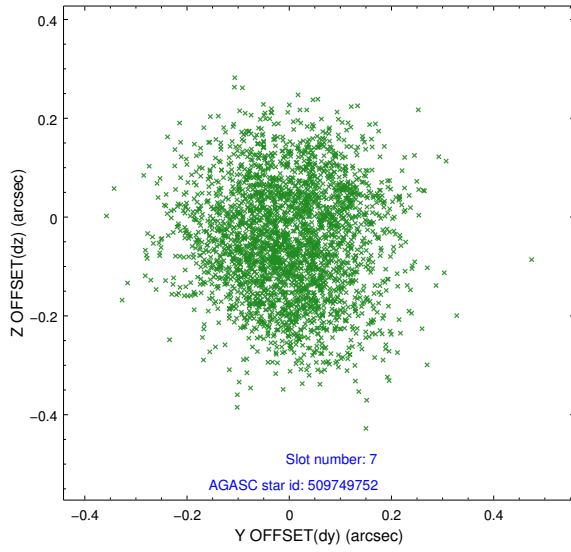
2.4.3 Slot 5



2.4.4 Slot 6

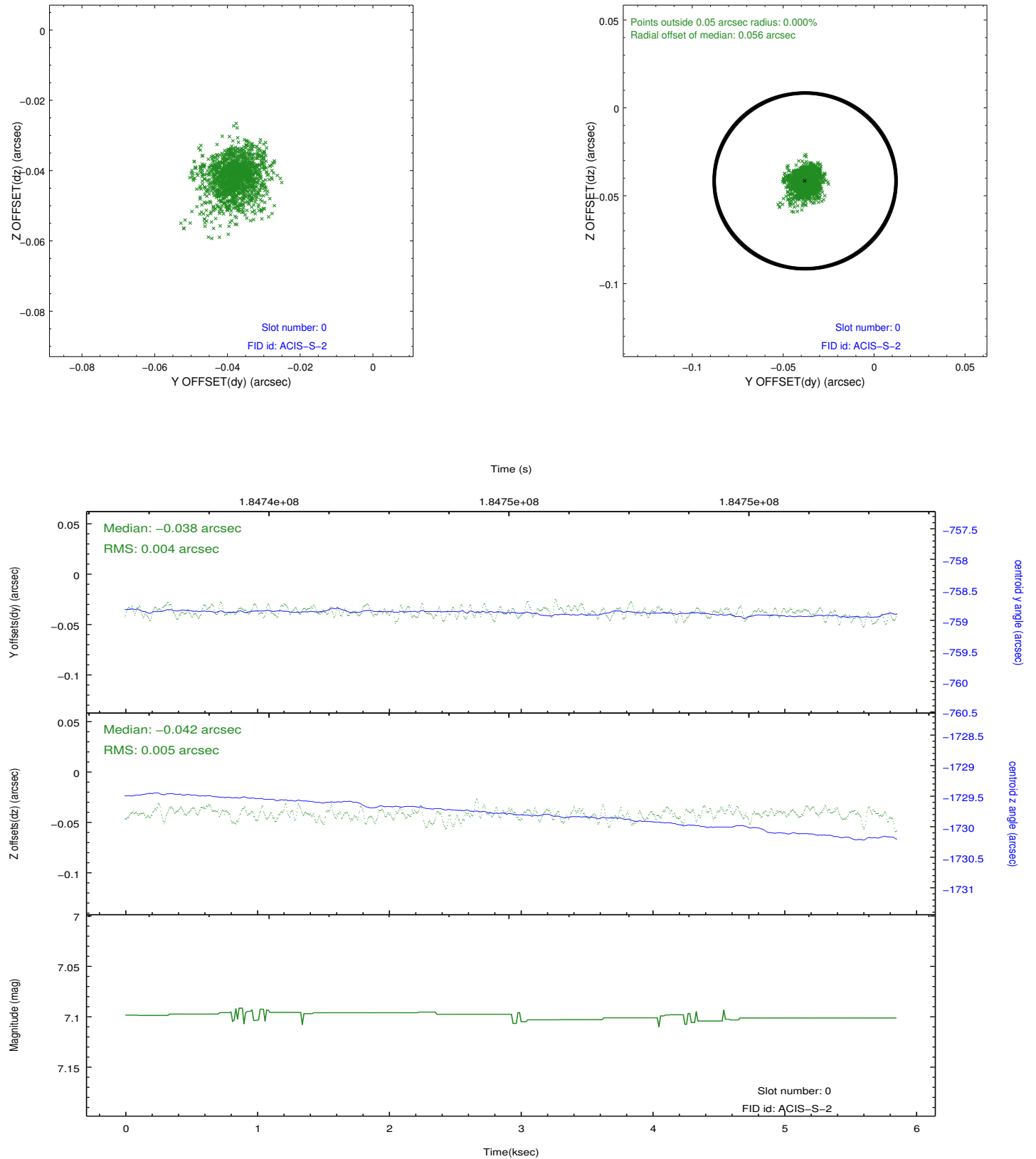


2.4.5 Slot 7

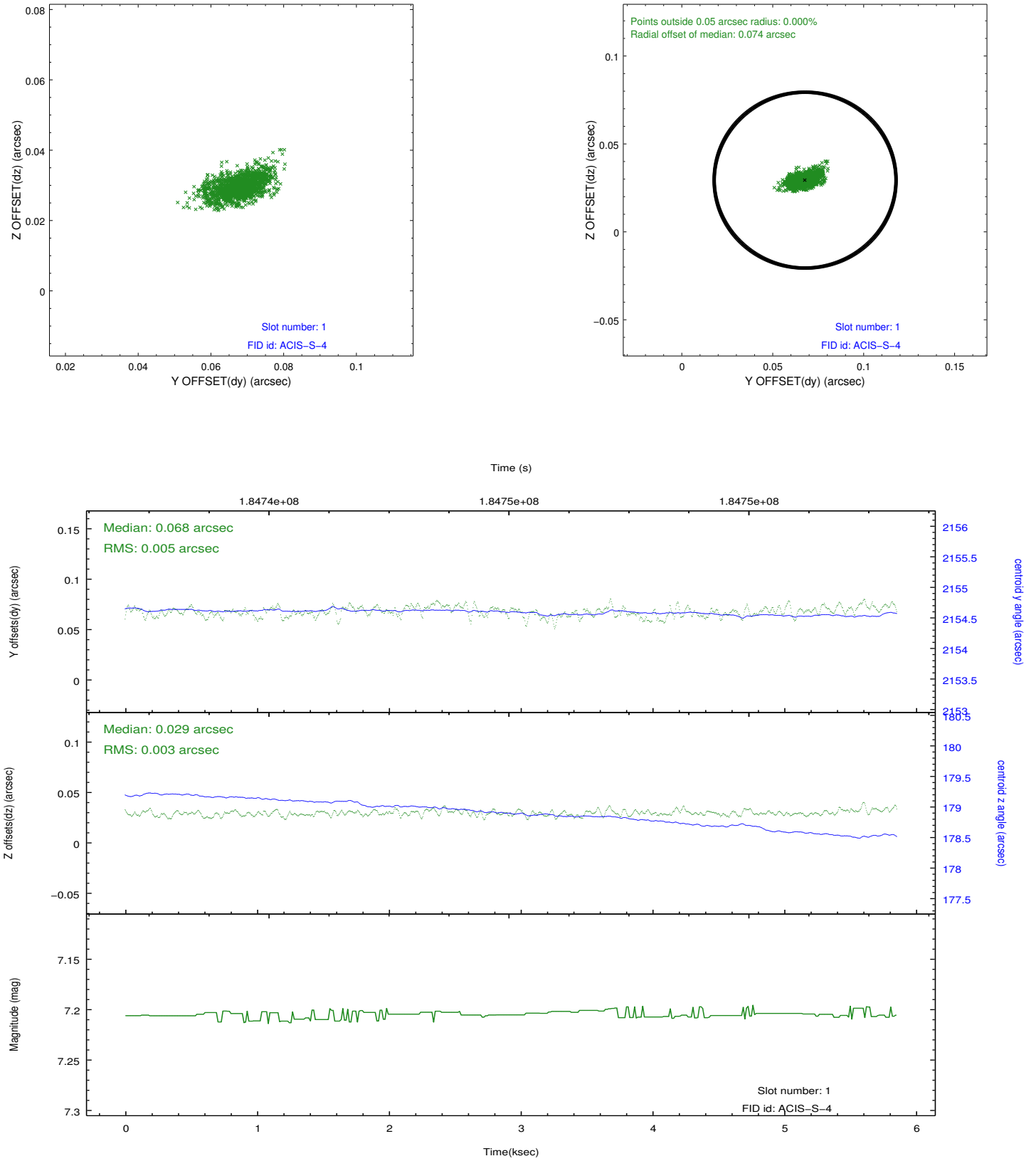


2.5 FID Slots

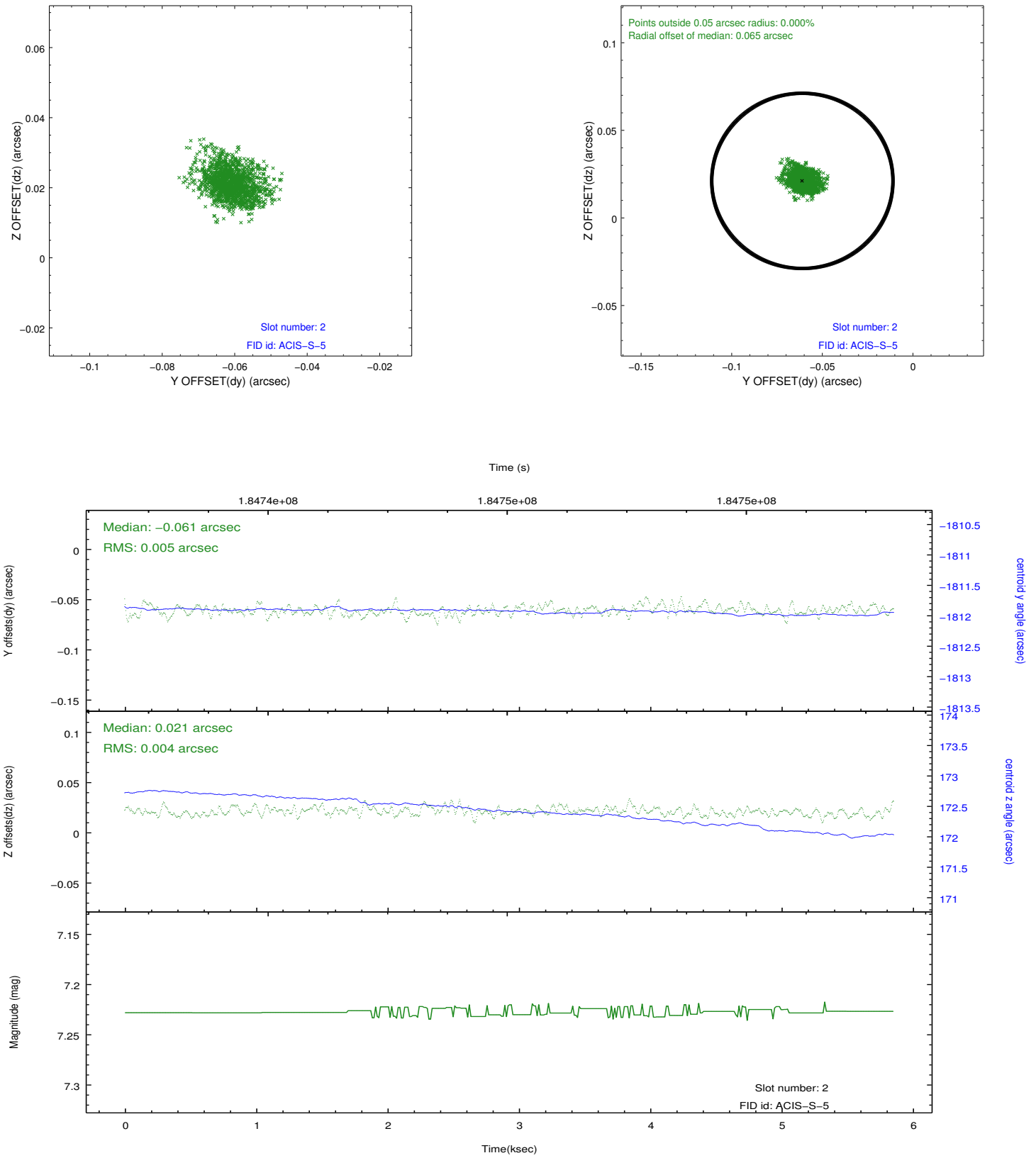
2.5.1 Slot 0



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)	2012.11.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.491

A.2 Comments