

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7822 - L2 Version 2
Chandra X-Ray Center

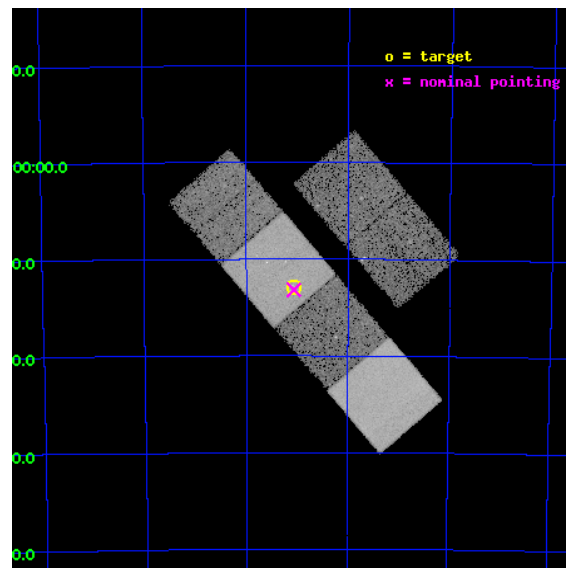
L2 Processing Date : May 8 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

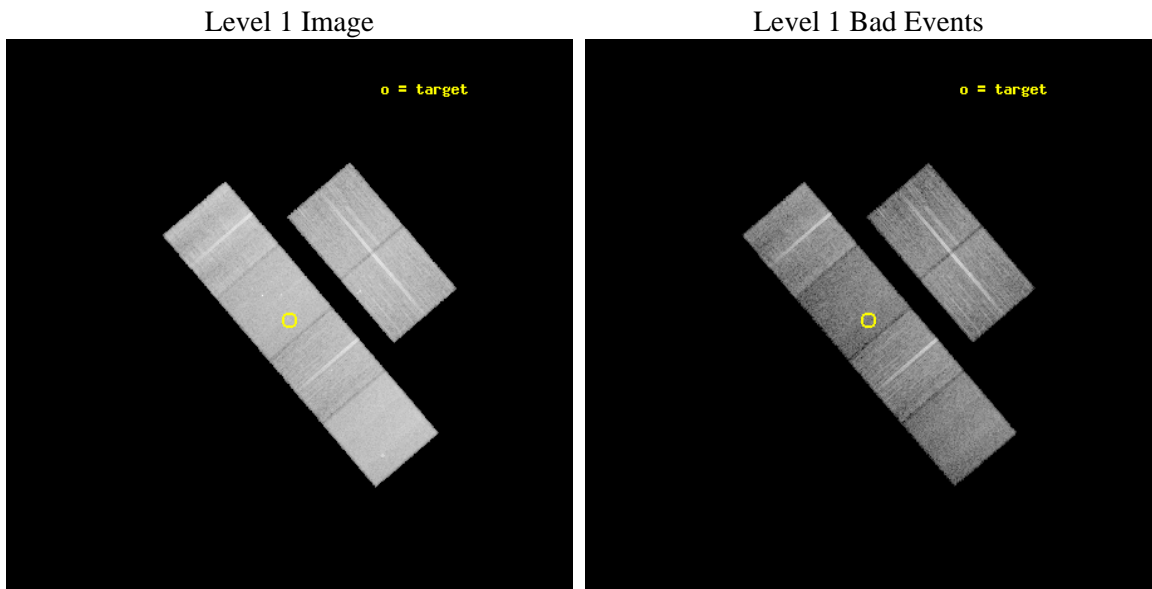
seq_num	701486	Sequence number
obs_id	7822	Observation id
title	The Chandra-RBGS Survey of a Complete Sample of Luminous Infrared Galaxies	Proposal title
observer	Professor David Sanders	Principal investigator
object	ESO 077-IG014	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.267917	Observer's specified target RA [deg]
dec_targ	-69.215	Observer's specified target Dec [deg]
ra_nom	350.26571307926	Nominal RA [deg]
dec_nom	-69.219779393231	Nominal Dec [deg]
roll_nom	229.43644512176	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15171.199943542	Sum of GTIs [s]
livetime	14979.093074857	Livetime [s]
ontime2	15171.199943542	Sum of GTIs [s]
ontime3	15164.718012929	Sum of GTIs [s]
ontime5	15171.199943542	Sum of GTIs [s]
ontime6	15171.199943542	Sum of GTIs [s]
ontime7	15171.199943542	Sum of GTIs [s]
ontime8	15171.199943542	Sum of GTIs [s]
l2events	187905	Number of level 2 events



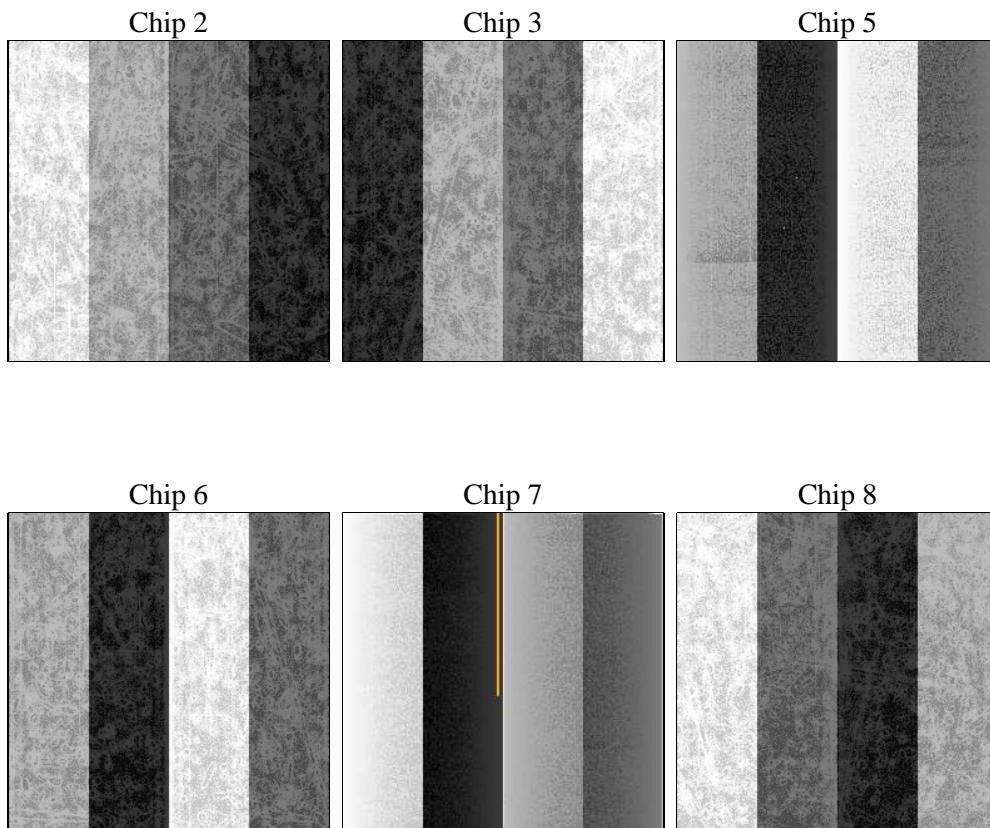
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	15171.199943542	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	15171.199943542	Sum of GTIs [s]
date	2012-05-08T14:52:35	Date and time of file creation	ontime3	15164.718012929	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	15171.199943542	Sum of GTIs [s]
			ontime6	15171.199943542	Sum of GTIs [s]
			ontime7	15171.199943542	Sum of GTIs [s]
			ontime8	15171.199943542	Sum of GTIs [s]
			l1events	839533	Number of level 1 events

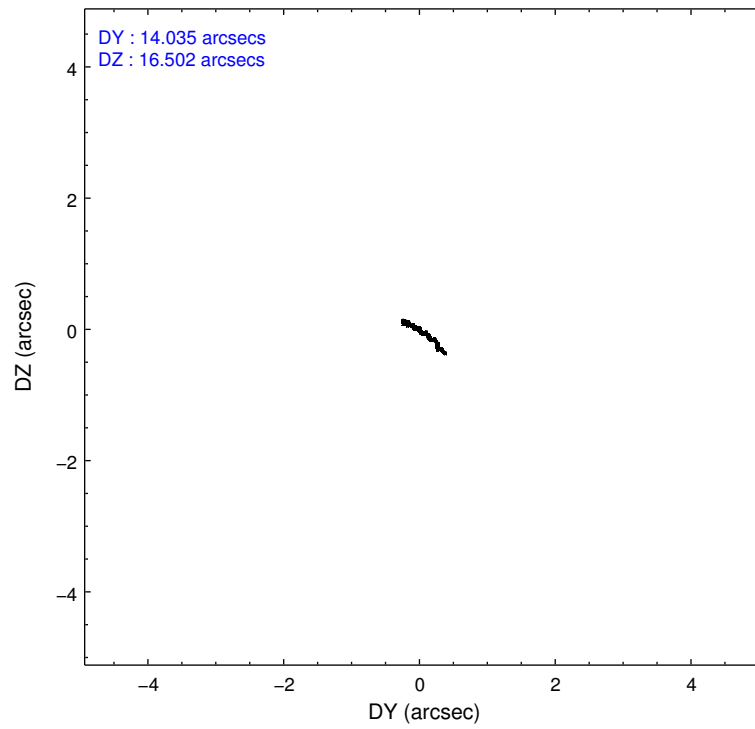
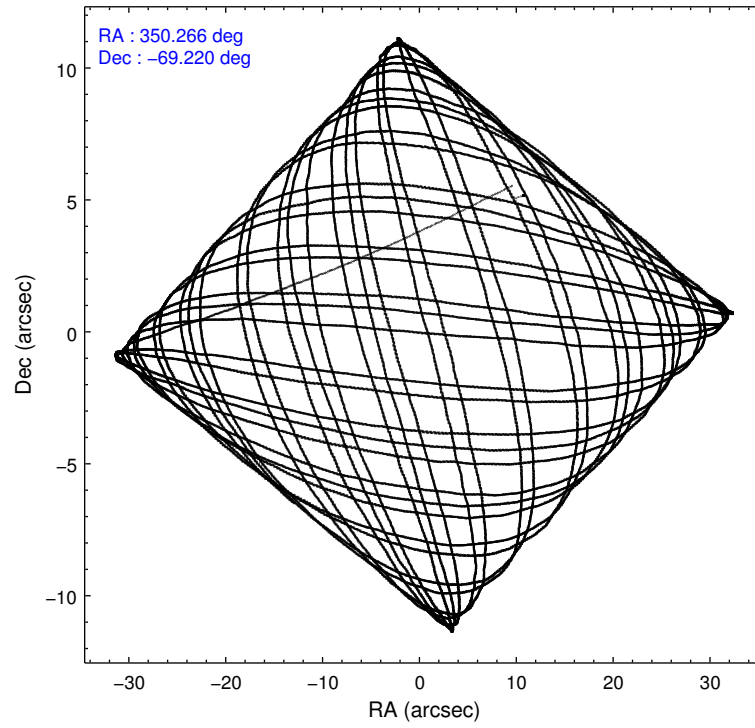
2.1.4 Events

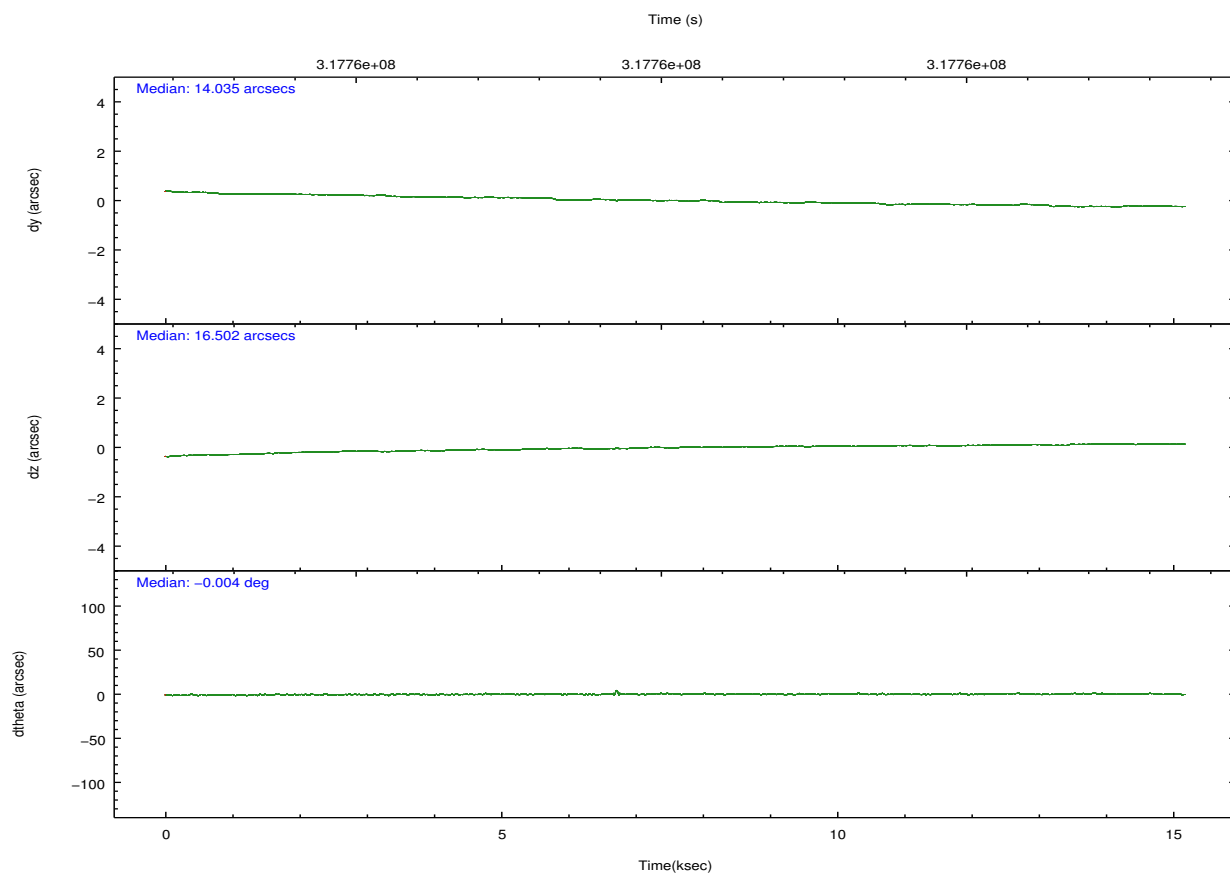
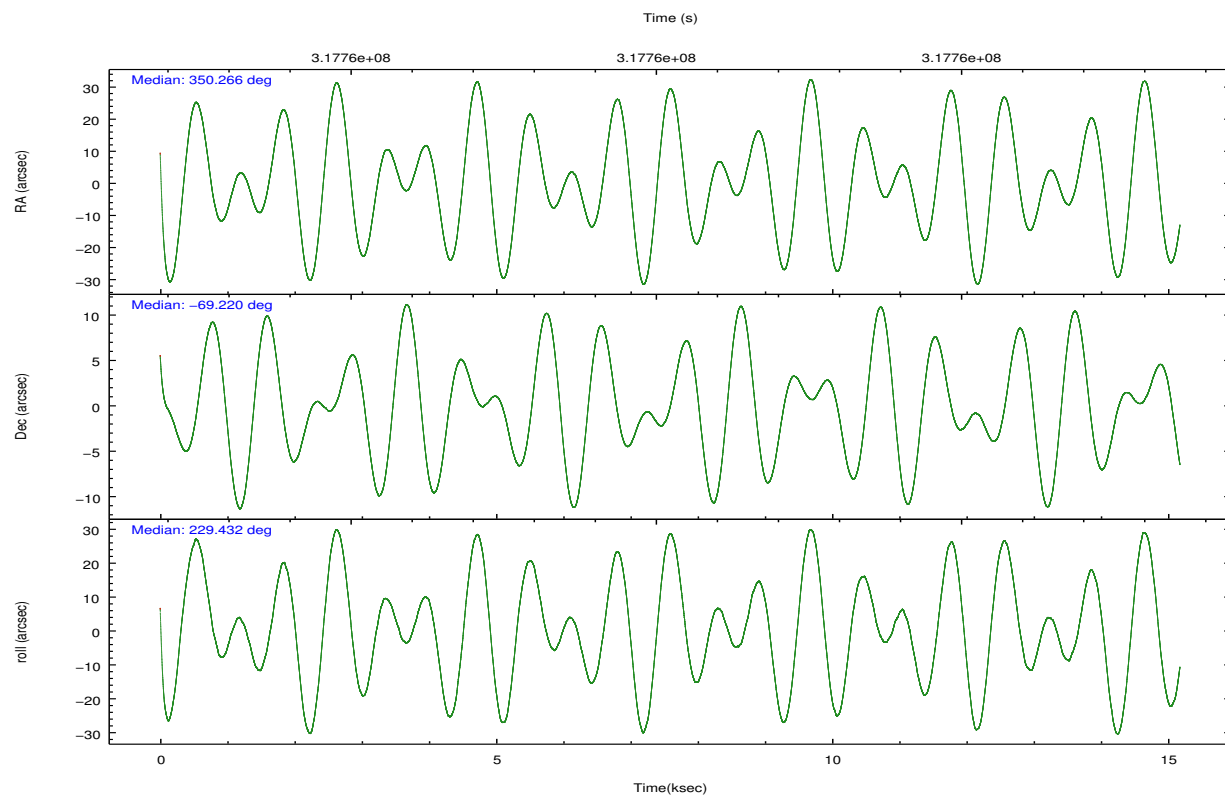
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	133316	118970	168293	123984	139180	155790	grade 0 events	4648	4136	6114	4707	6267	11653
rejected events	120697	107505	85911	111026	75212	117177		3%	3%	3%	3%	4%	7%
rejected %	90%	90%	51%	89%	54%	75%	grade 1 events	88	64	299	55	174	129
								0%	0%	0%	0%	0%	0%
							grade 2 events	3066	2479	24793	2842	13050	8847
								2%	2%	14%	2%	9%	5%
							grade 3 events	1281	1266	3492	1373	5816	4059
								0%	1%	2%	1%	4%	2%
							grade 4 events	1371	1304	3366	1353	5784	3694
								1%	1%	2%	1%	4%	2%
							grade 5 events	4205	4904	13362	4869	14558	7239
								3%	4%	7%	3%	10%	4%
							grade 6 events	2264	2291	44688	2697	33108	10383
								1%	1%	26%	2%	23%	6%
							grade 7 events	116393	102526	72179	106088	60423	109786
								87%	86%	42%	85%	43%	70%

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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	350.278875	350.2657130792552	CCD I2 on	O1	Y
[deg] Pointing Dec	-69.192829	-69.21977939323055	CCD I3 on	O2	Y
[deg] Pointing Roll	229.292128	229.4364451217633	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	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	O4	Y
[s] Observation start time (MET)	317752806.184000	317751729.44789	CCD S5 on	N	N
Observation start date	2008-01-26T16:39:01	2008-01-26T16:22:09	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	317767806.184000	317768597.36121	On-chip summing requested	N	N
Observation end date	2008-01-26T20:49:01	2008-01-26T21:03:17	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



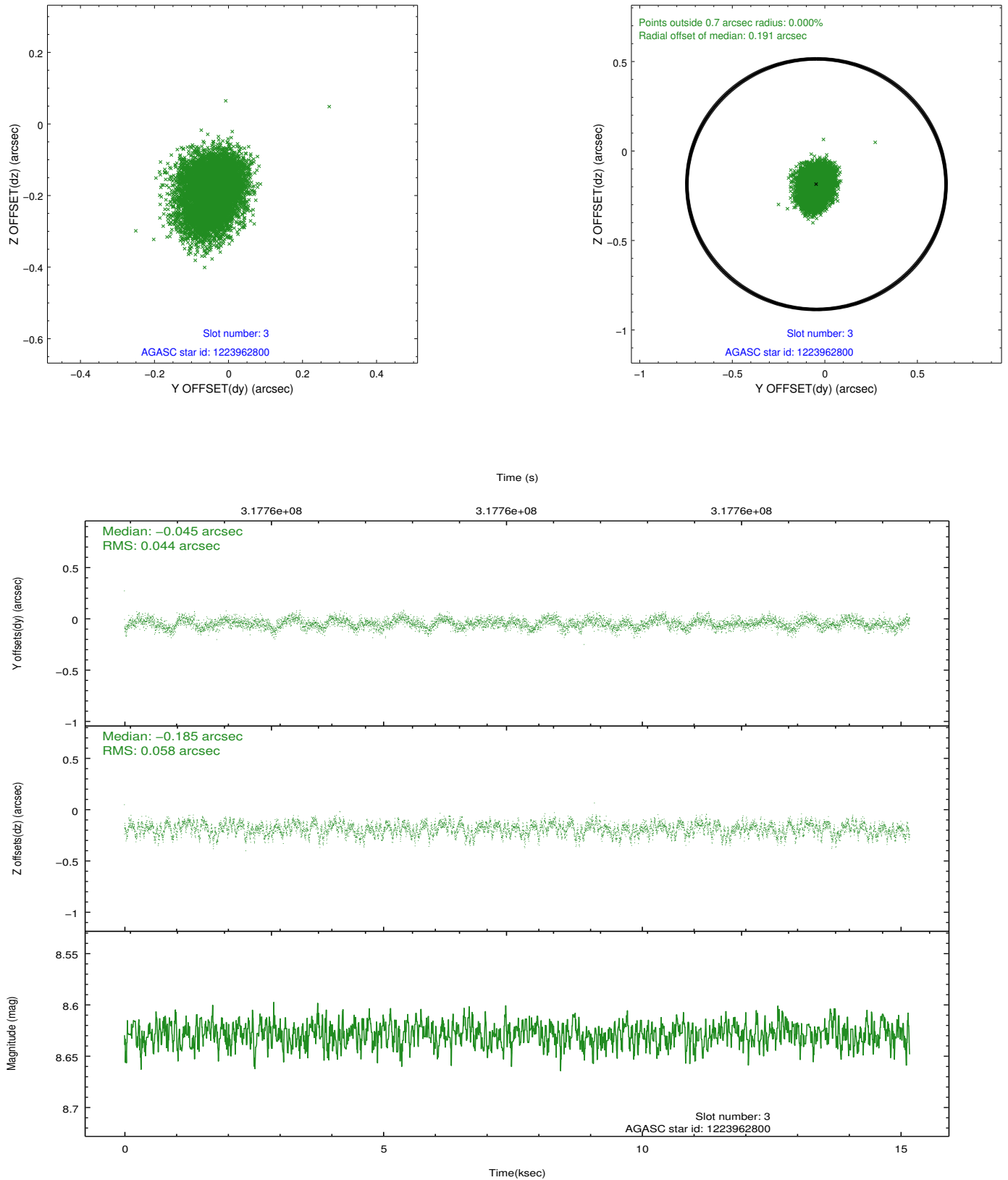


Slot Statistics

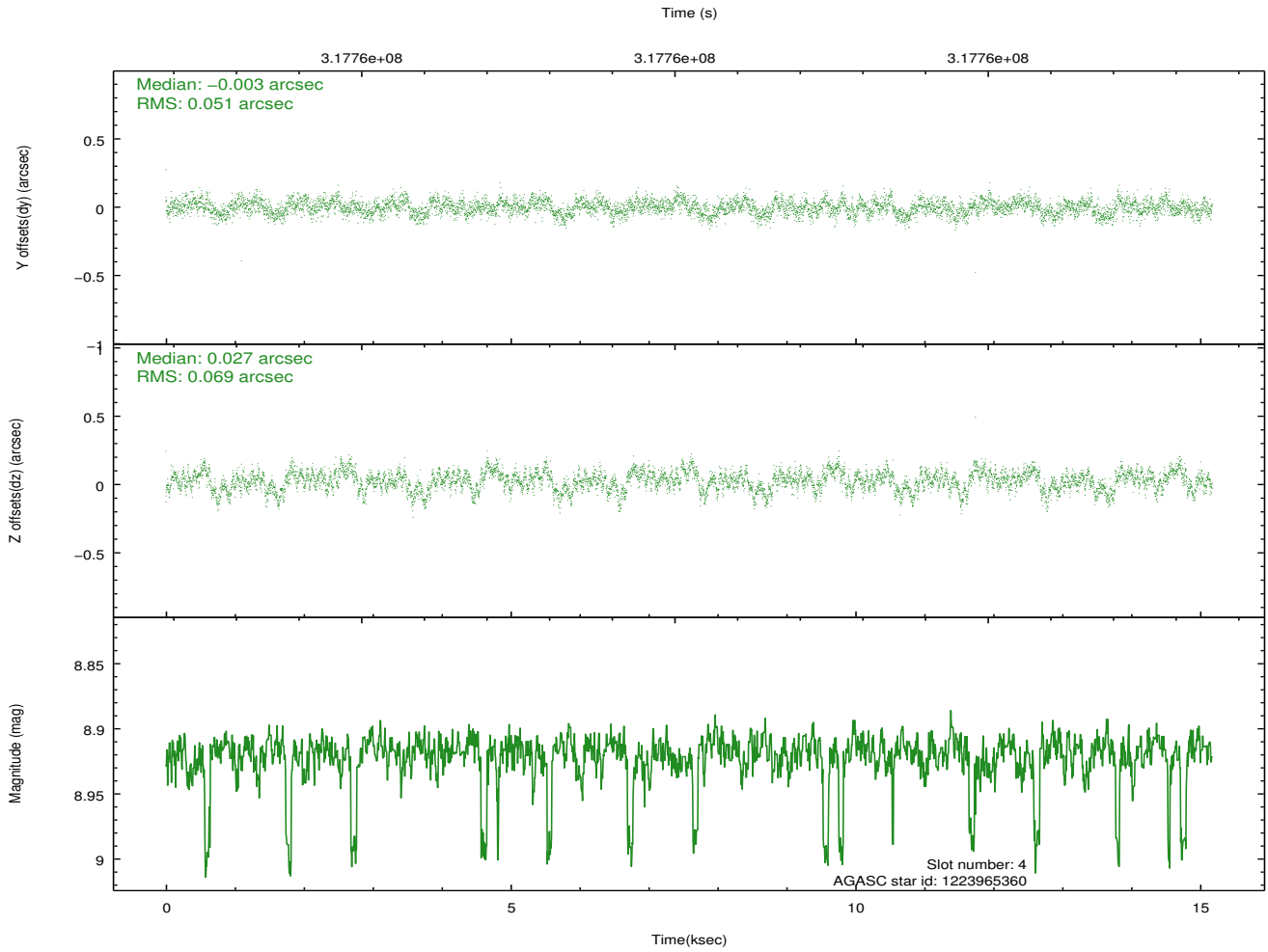
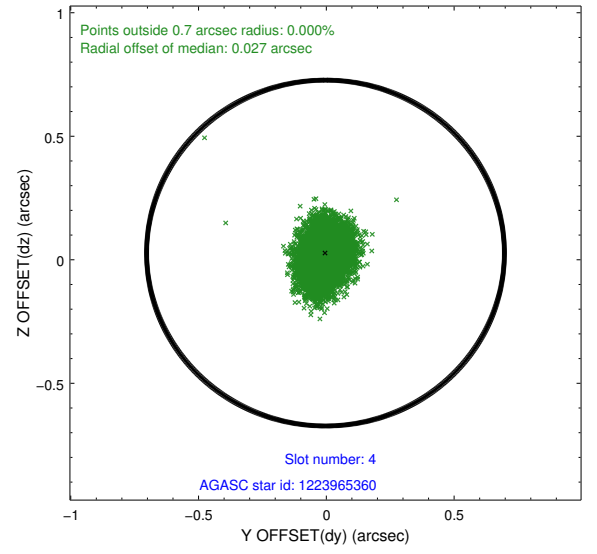
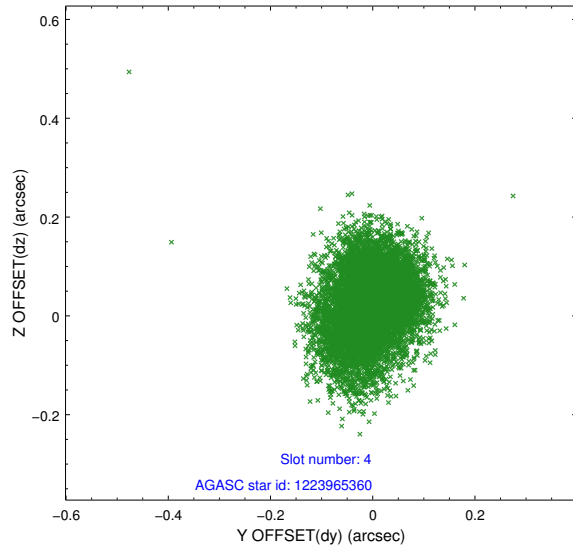
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	3702	-0.055	-0.030	0.013	0.021	0.000000	0.000000	-767.06	-1737.91
1	FID	ACIS-S-4	7.18	3701	0.184	0.035	0.013	0.021	0.000000	0.000000	2146.34	170.31
2	FID	ACIS-S-5	7.22	3702	-0.159	0.005	0.009	0.014	0.000000	0.000000	-1819.61	164.32
3	GUIDE	1223962800	8.63	7403	-0.045	-0.185	0.078	0.125	350.219435	-69.267634	253.43	118.67
4	GUIDE	1223965360	8.92	7380	-0.003	0.027	0.091	0.149	349.448760	-69.361872	1154.10	-396.36
5	GUIDE	1223966264	8.96	7398	0.045	-0.022	0.082	0.133	349.440594	-68.748182	-493.65	-1868.01
6	GUIDE	1223966568	9.29	7399	-0.040	0.063	0.083	0.139	351.916837	-68.888197	-2194.71	913.16
7	GUIDE	1223963448	9.43	7399	0.047	0.117	0.135	0.210	349.427088	-68.763808	-440.30	-1843.61

2.4 Star Slots

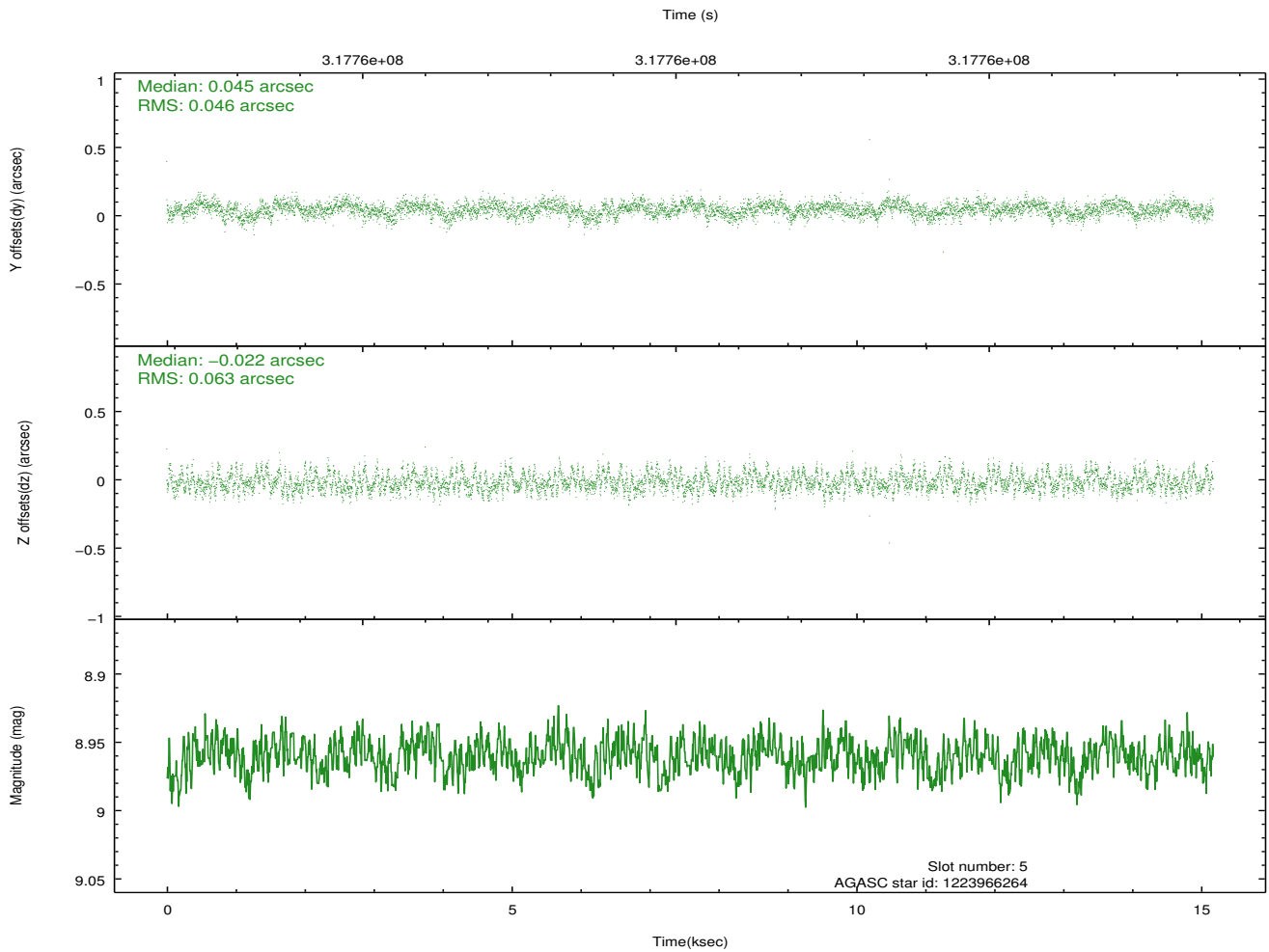
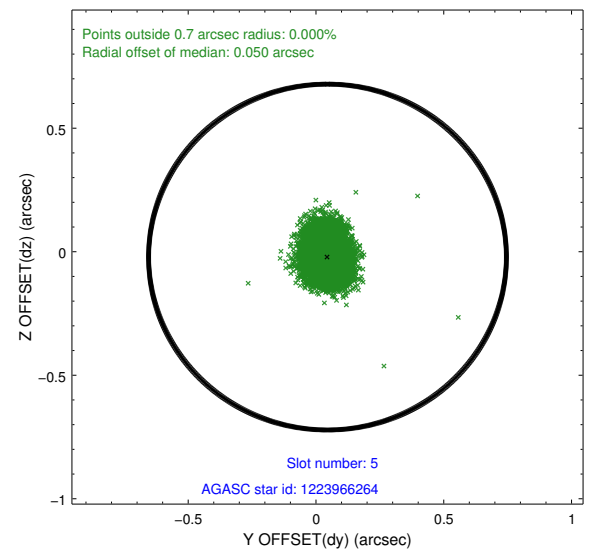
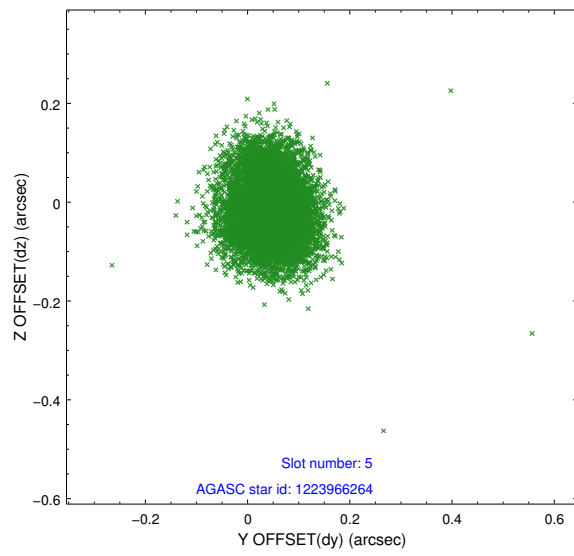
2.4.1 Slot 3



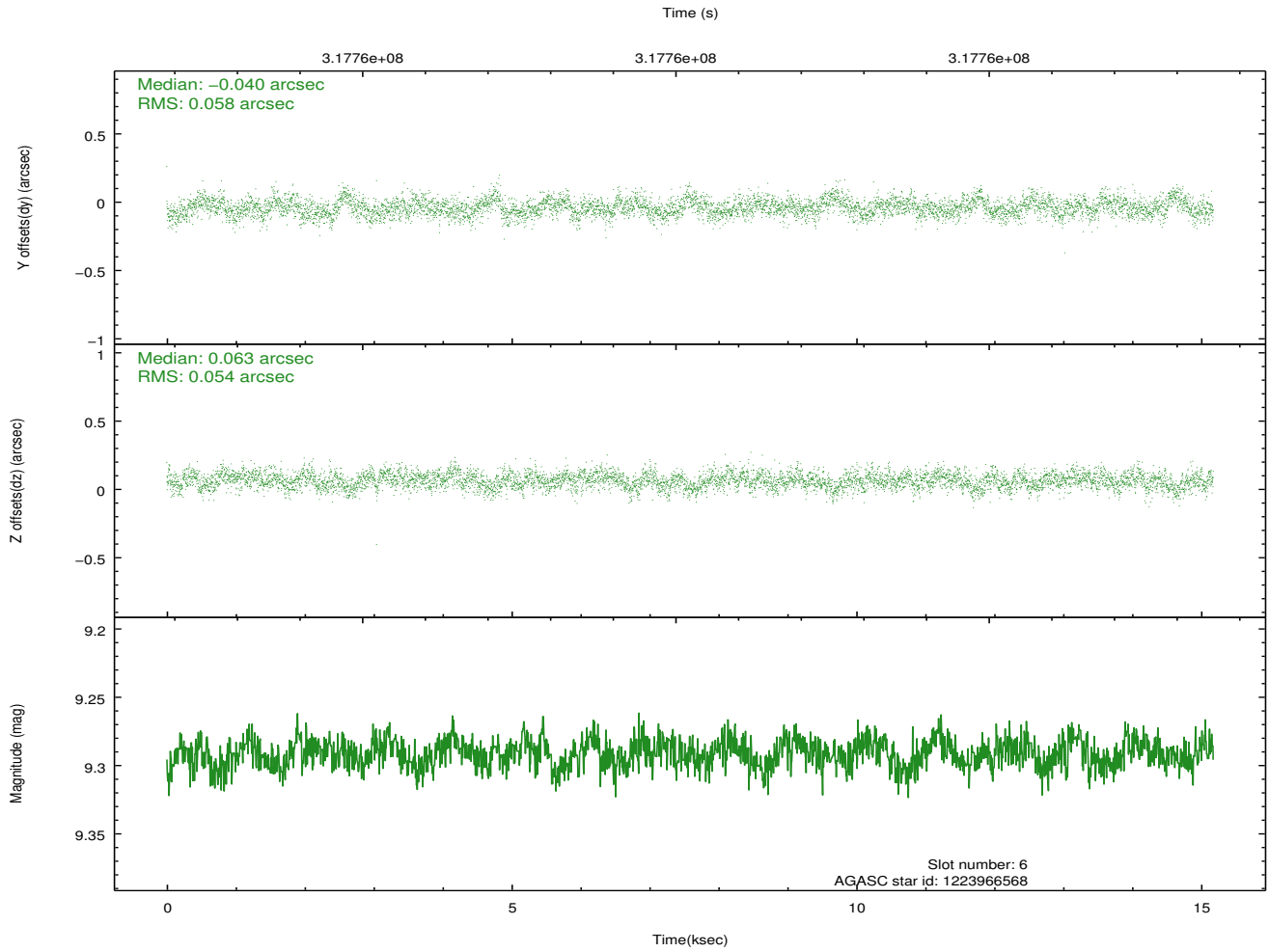
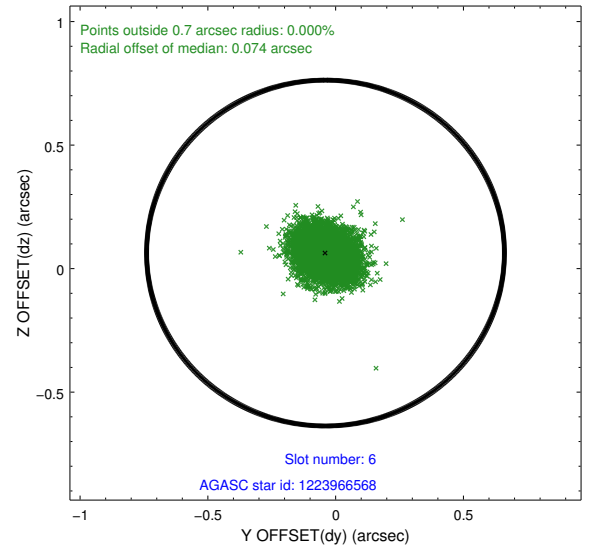
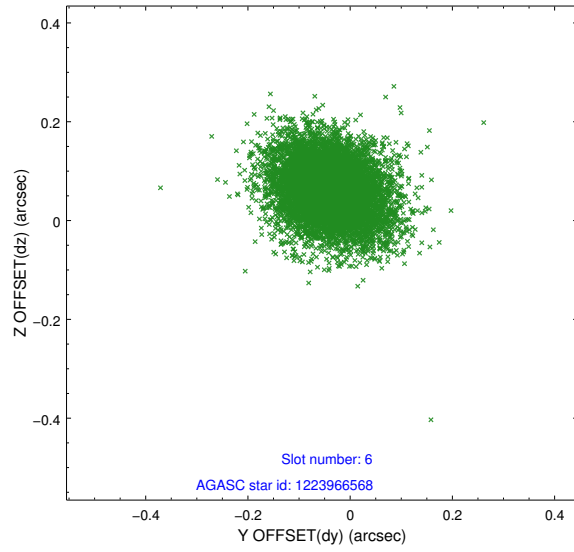
2.4.2 Slot 4



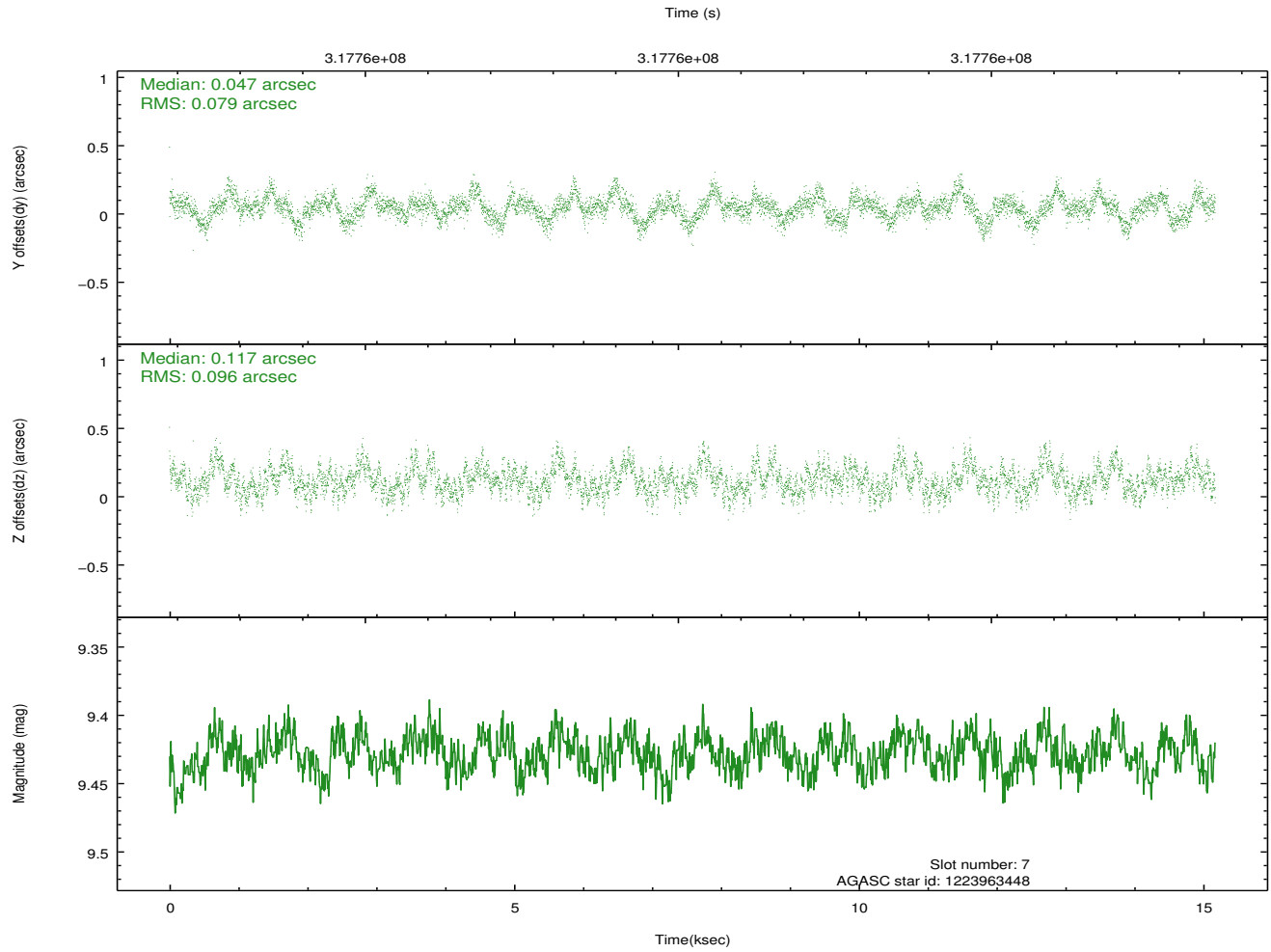
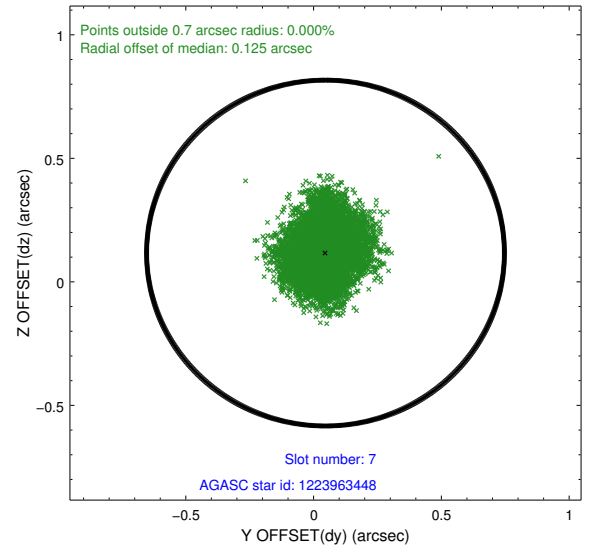
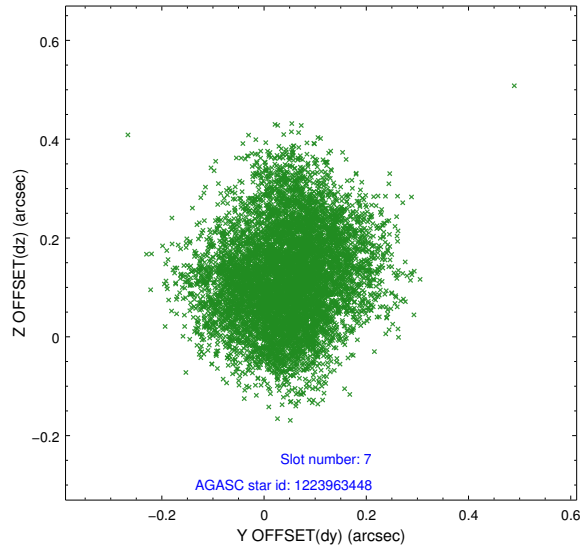
2.4.3 Slot 5



2.4.4 Slot 6

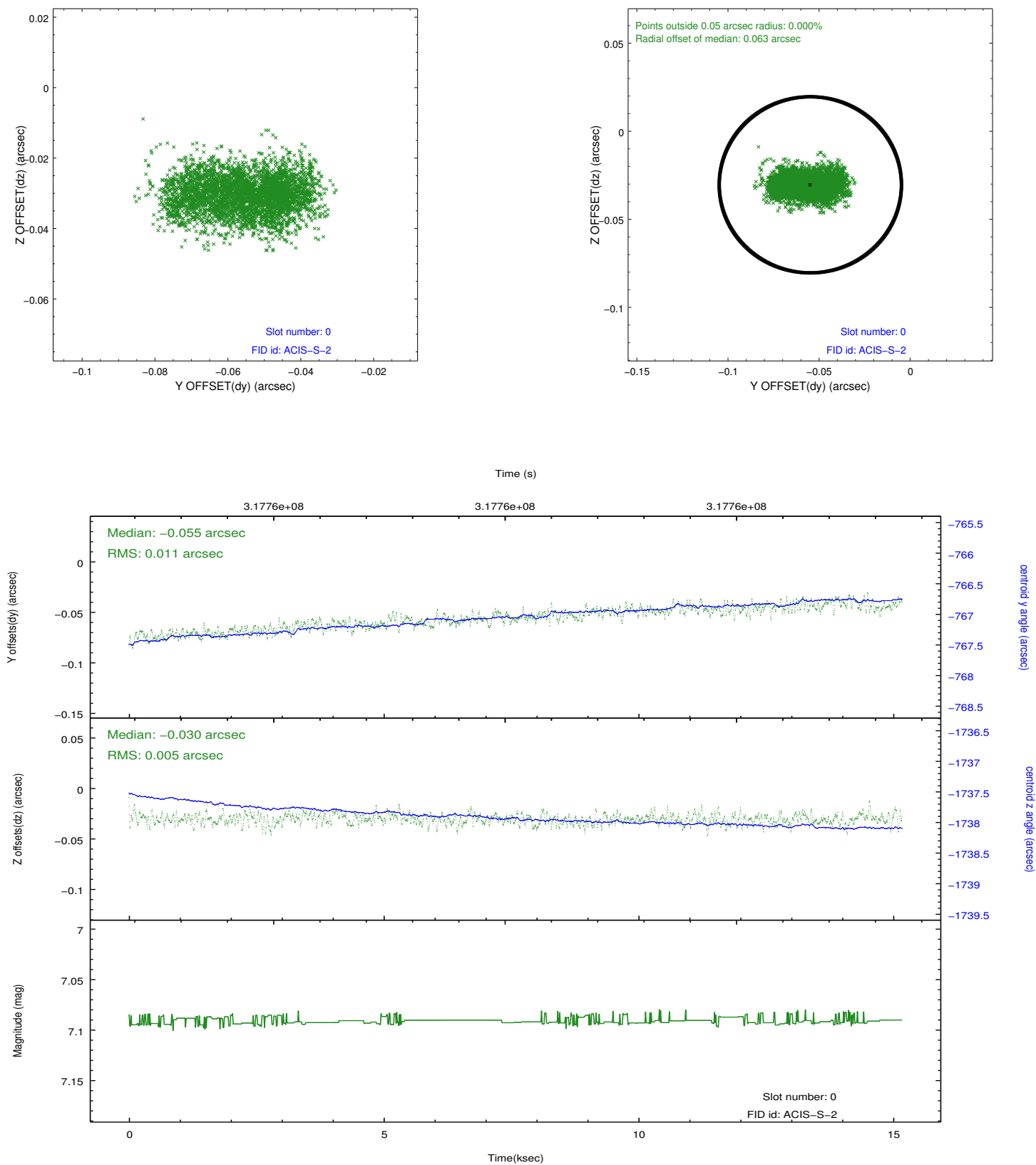


2.4.5 Slot 7

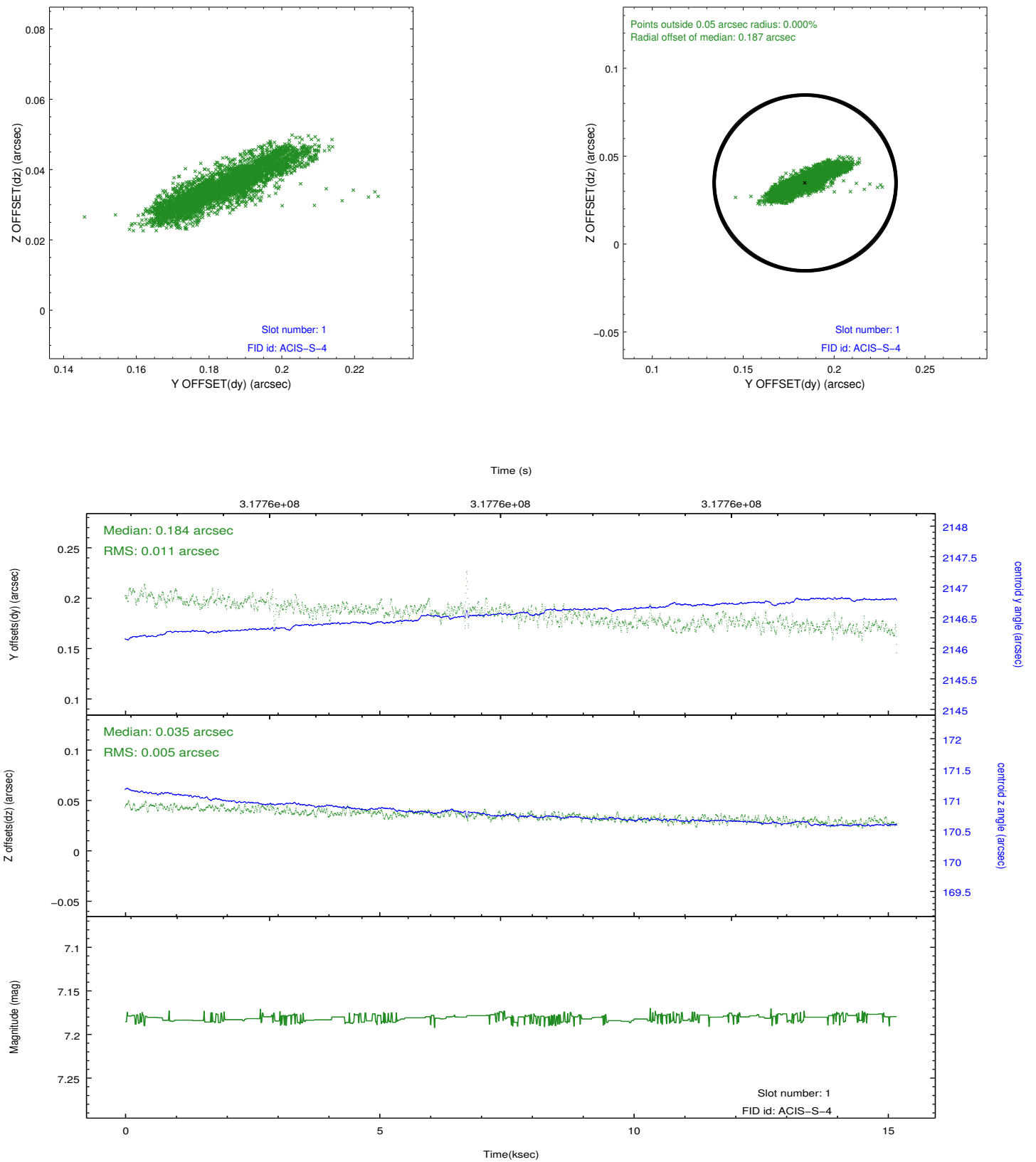


2.5 FID Slots

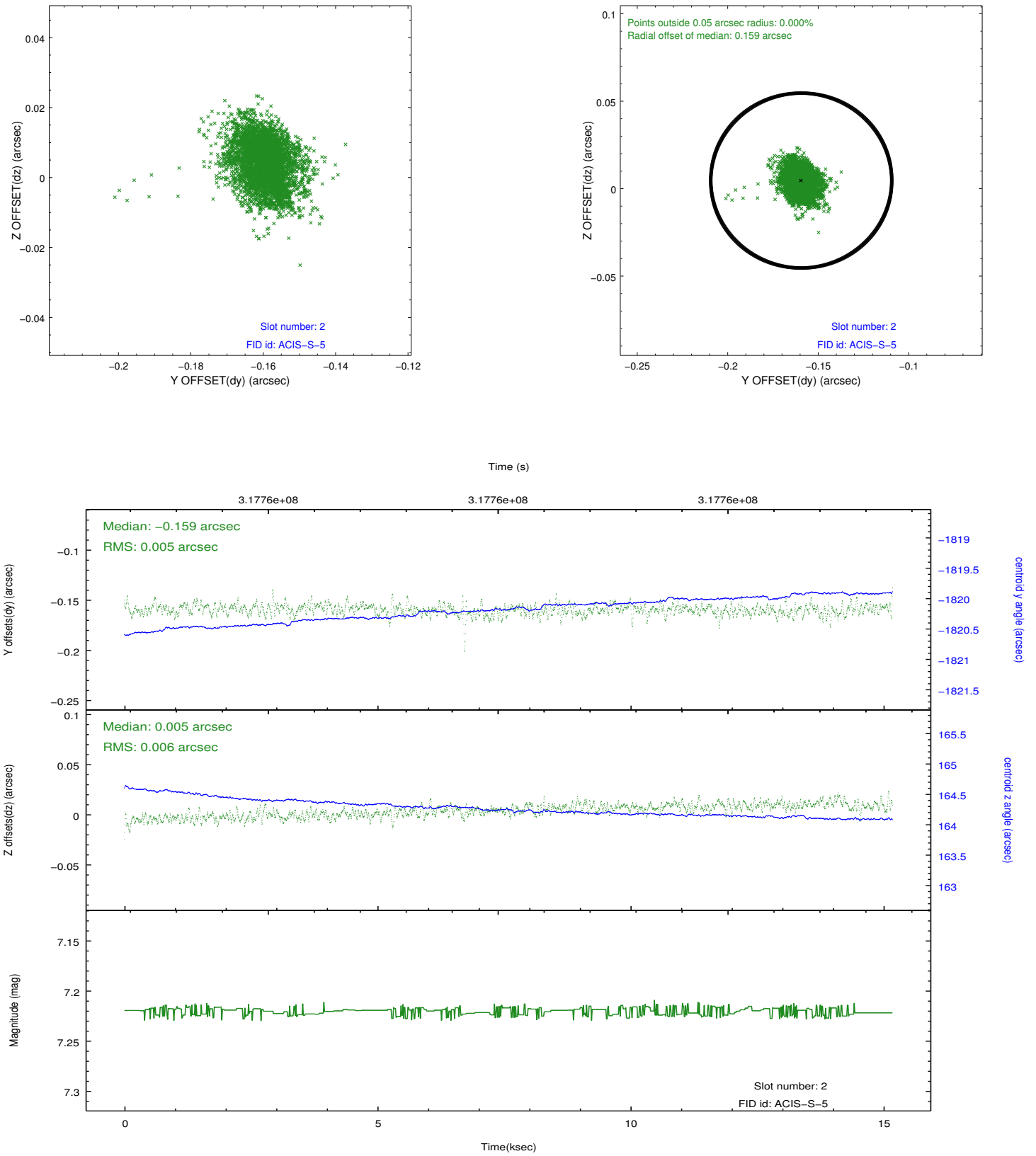
2.5.1 Slot 0



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)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.1711999

A.2 Comments