

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7801 - L2 Version 2
Chandra X-Ray Center

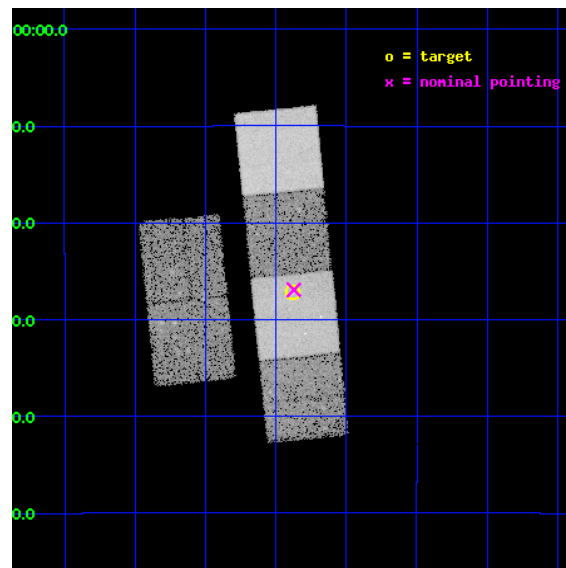
L2 Processing Date : May 1 2012

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1 Front

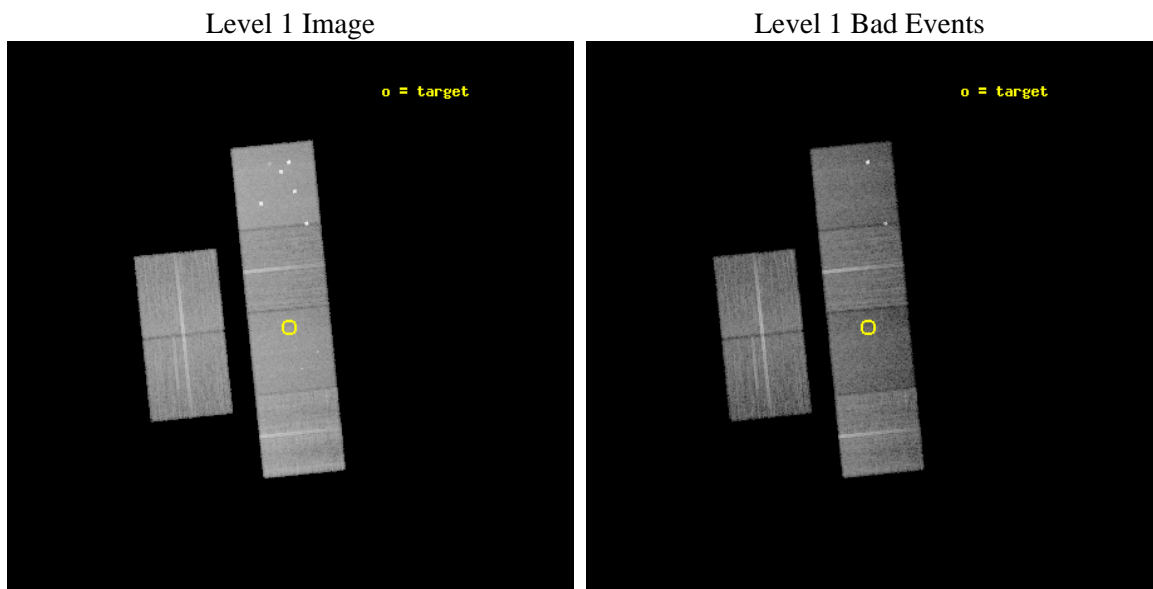
seq_num	701465	Sequence number
obs_id	7801	Observation id
title	The Chandra-RBGS Survey of a Complete Sample of Luminous Infrared Galaxies	Proposal title
observer	Professor David Sanders	Principal investigator
object	IRAS F01364-1042	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	24.720417	Observer's specified target RA [deg]
dec_targ	-10.453167	Observer's specified target Dec [deg]
ra_nom	24.718230251549	Nominal RA [deg]
dec_nom	-10.448825188876	Nominal Dec [deg]
roll_nom	84.202188322036	Nominal Roll [deg]
revision	2	Processing version of data
ontime	14758.283893585	Sum of GTIs [s]
livetime	14571.405616553	Livetime [s]
ontime2	14758.324933589	Sum of GTIs [s]
ontime3	14758.160773575	Sum of GTIs [s]
ontime5	14758.242853582	Sum of GTIs [s]
ontime6	14754.96080327	Sum of GTIs [s]
ontime7	14758.283893585	Sum of GTIs [s]
ontime8	14754.878733277	Sum of GTIs [s]
l2events	177488	Number of level 2 events



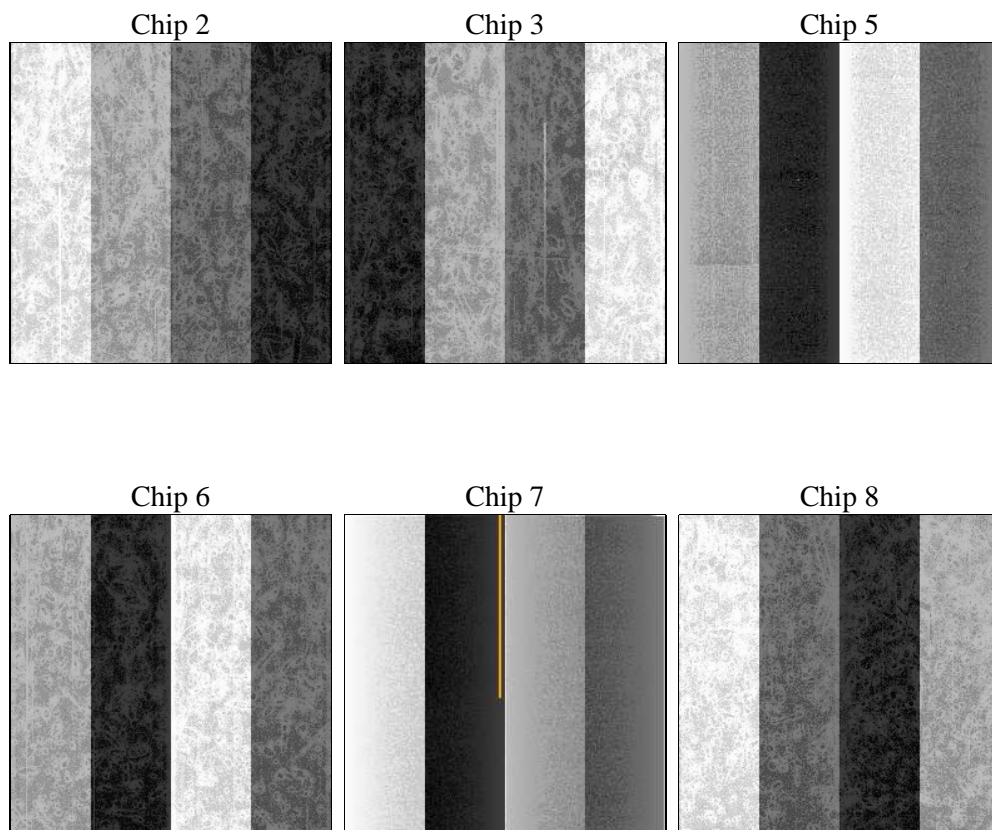
2 OBI

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	14758.283893585	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	14758.324933589	Sum of GTIs [s]
date	2012-05-01T04:33:03	Date and time of file creation	ontime3	14758.160773575	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	14758.242853582	Sum of GTIs [s]
			ontime6	14754.96080327	Sum of GTIs [s]
			ontime7	14758.283893585	Sum of GTIs [s]
			ontime8	14754.878733277	Sum of GTIs [s]
			l1events	836459	Number of level 1 events

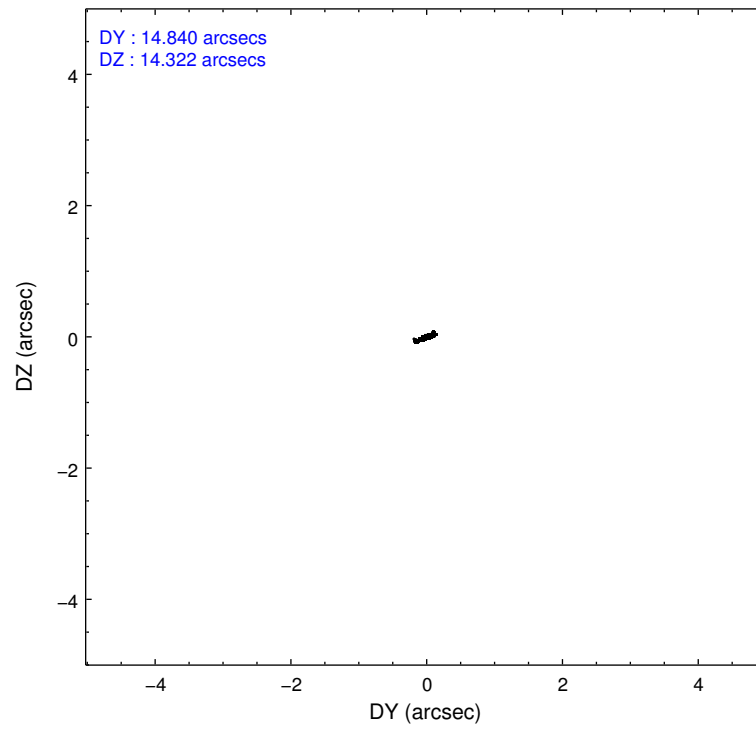
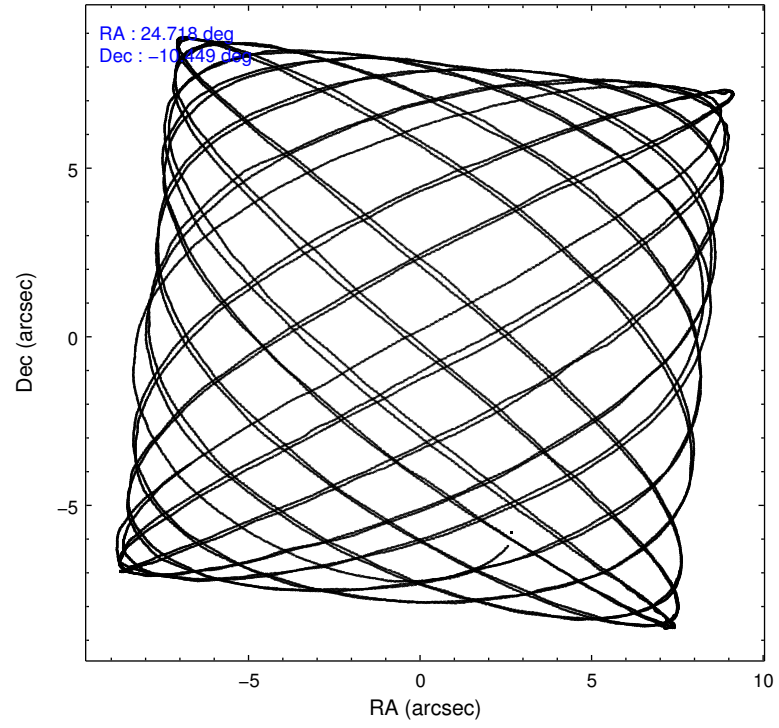
2.1.4 Events

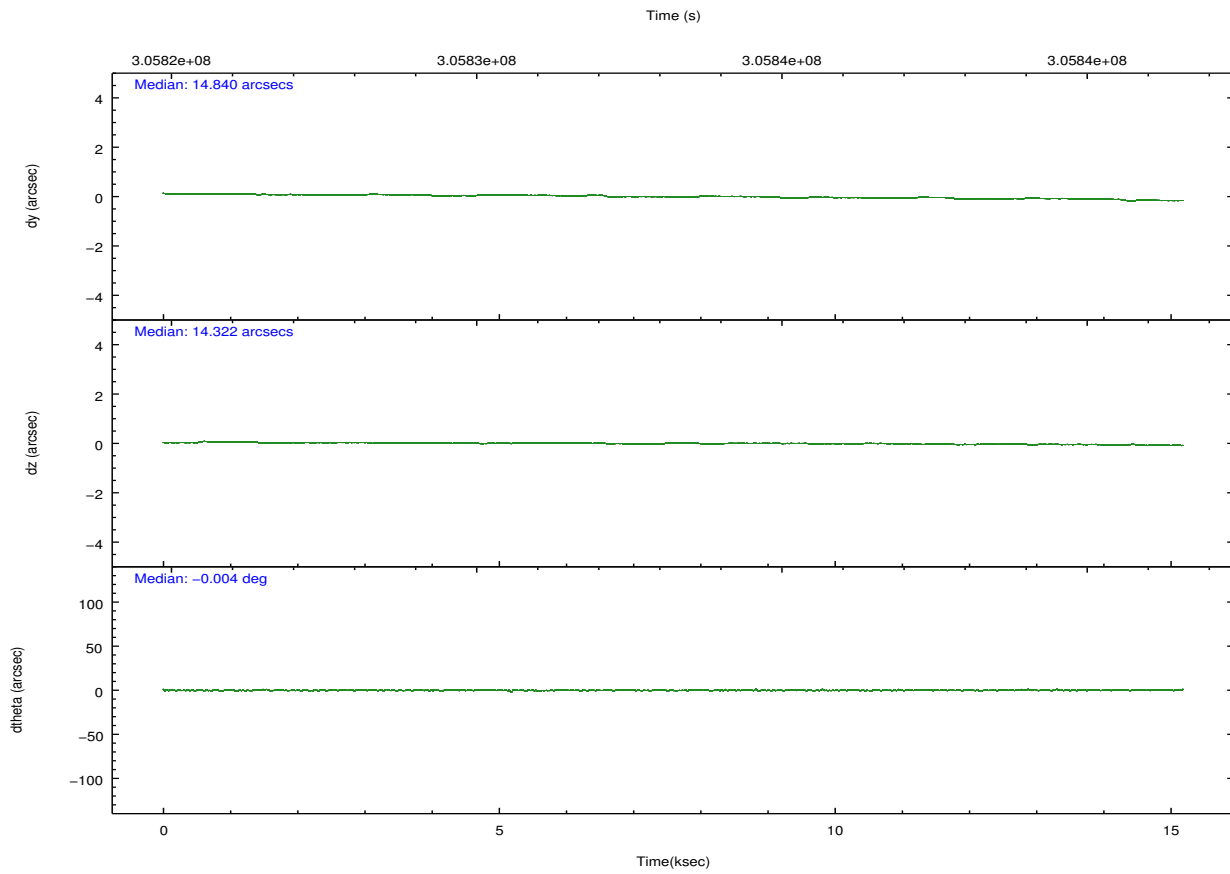
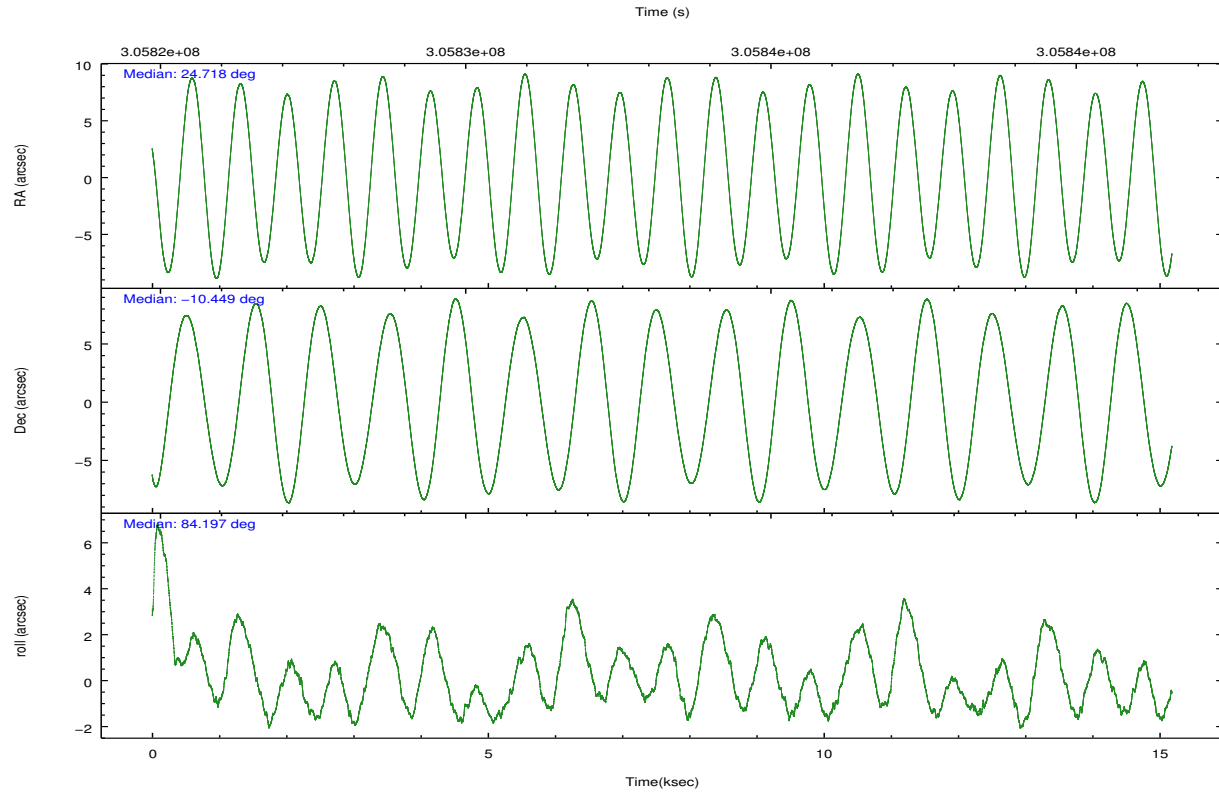
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	127640	114038	183845	120826	133690	156420	grade 0 events	4137	4033	18998	4500	5613	10328
rejected events	116101	102892	87630	108306	73447	120447		3%	3%	10%	3%	4%	6%
rejected %	90%	90%	47%	89%	54%	77%	grade 1 events	67	62	712	51	152	128
								0%	0%	0%	0%	0%	0%
							grade 2 events	2694	2359	26071	2734	12081	8363
								2%	2%	14%	2%	9%	5%
							grade 3 events	1227	1275	3865	1333	5621	3834
								0%	1%	2%	1%	4%	2%
							grade 4 events	1302	1243	3555	1341	5471	3507
								1%	1%	1%	1%	4%	2%
							grade 5 events	4038	4619	14092	4767	14079	7009
								3%	4%	7%	3%	10%	4%
							grade 6 events	2182	2239	43743	2614	31470	9945
								1%	1%	23%	2%	23%	6%
							grade 7 events	111993	98208	72809	103486	59203	113306
								87%	86%	39%	85%	44%	72%

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	24.730005	24.71823025154902	CCD I2 on	O1	Y
[deg] Pointing Dec	-10.473589	-10.44882518887601	CCD I3 on	O2	Y
[deg] Pointing Roll	84.047699	84.20218832203625	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)	305825809.184000	305824658.20934	CCD S5 on	N	N
Observation start date	2007-09-10T15:35:44	2007-09-10T15:17:38	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	305840809.184000	305841237.07264	On-chip summing requested	N	N
Observation end date	2007-09-10T19:45:44	2007-09-10T19:53:57	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



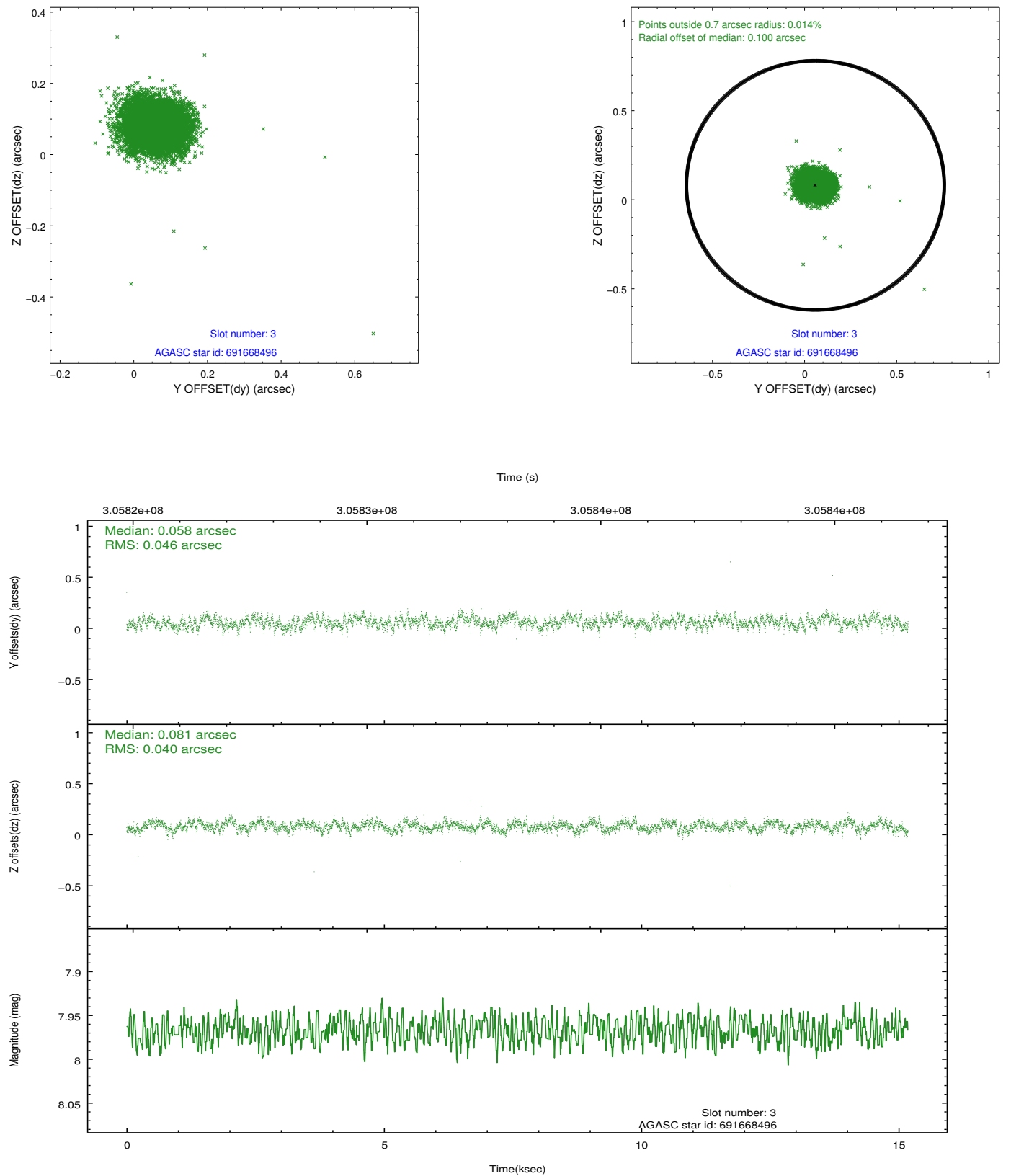


Slot Statistics

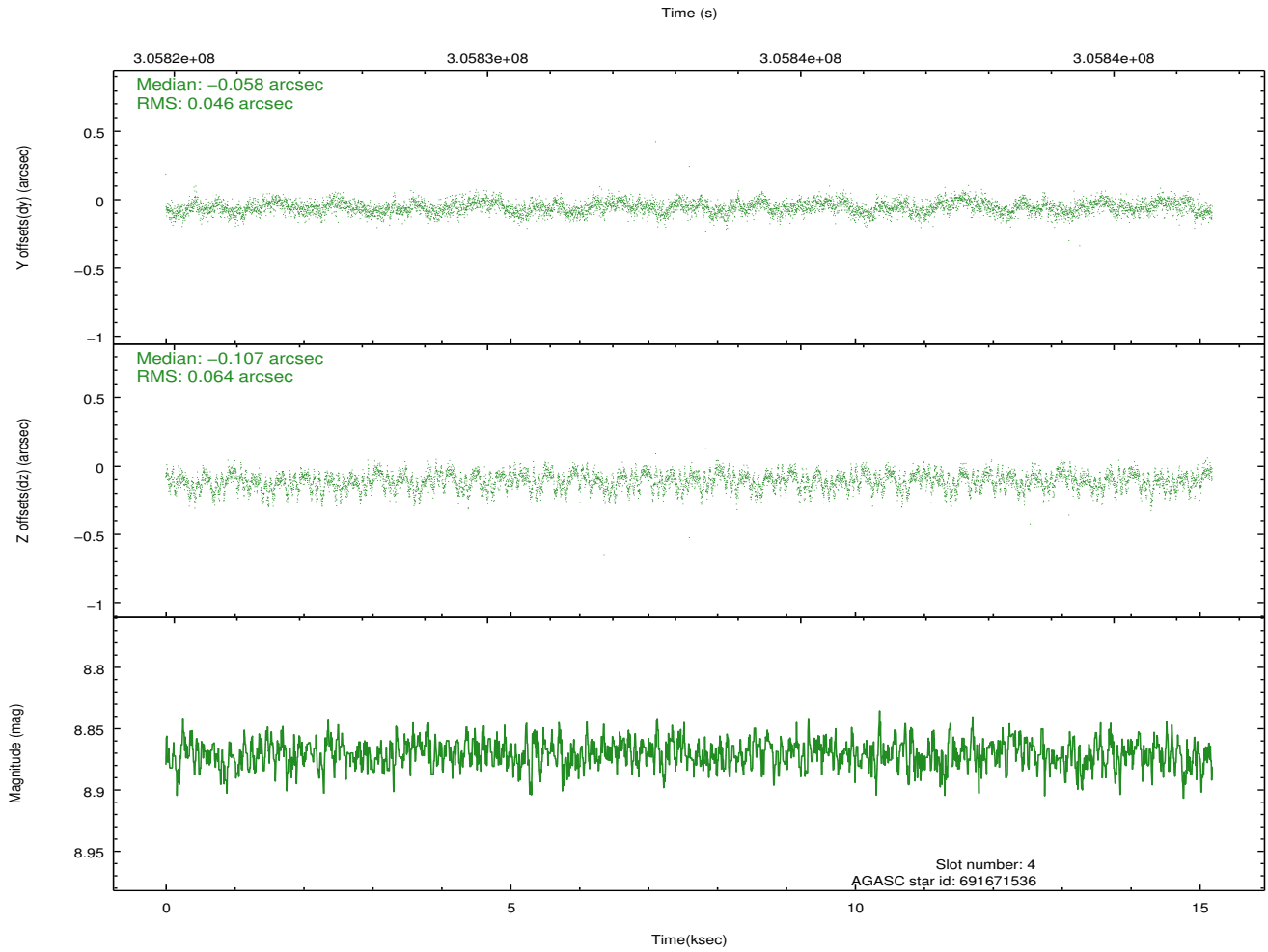
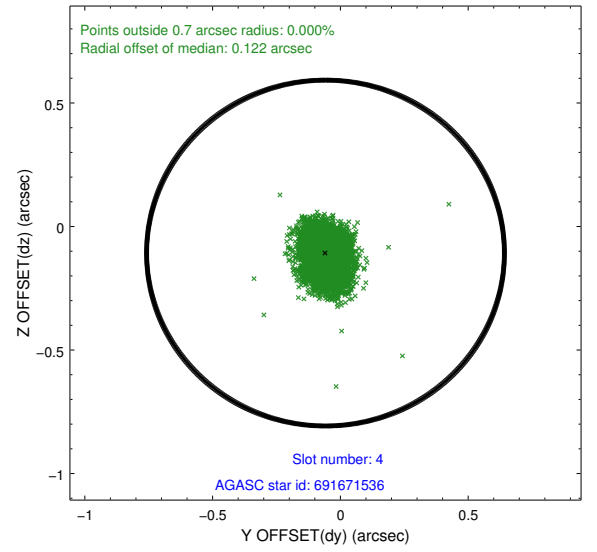
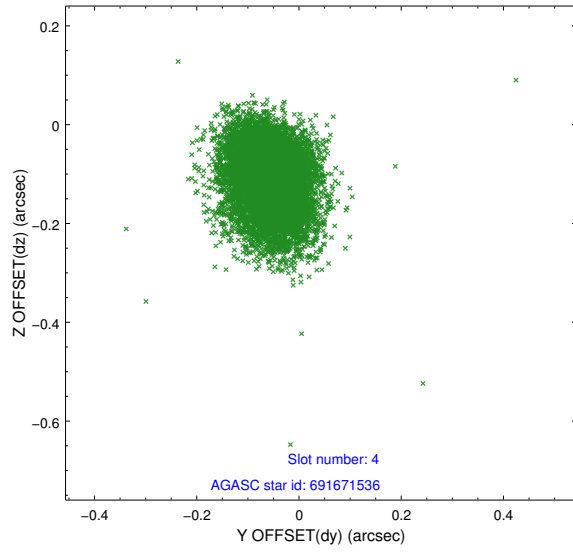
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	3703	-0.099	-0.065	0.009	0.018	0.000000	0.000000	-767.90	-1735.74
1	FID	ACIS-S-4	7.19	3703	0.235	0.065	0.008	0.021	0.000000	0.000000	2145.57	172.56
2	FID	ACIS-S-5	7.22	3703	-0.167	0.009	0.009	0.022	0.000000	0.000000	-1820.43	166.51
3	GUIDE	691668496	7.97	7406	0.058	0.081	0.065	0.102	24.977504	-9.972232	1887.20	-687.21
4	GUIDE	691671536	8.87	7404	-0.058	-0.107	0.083	0.135	24.367776	-10.331190	376.18	1329.21
5	GUIDE	691674256	7.46	7405	-0.025	-0.152	0.074	0.115	24.518884	-10.340118	399.81	793.41
6	GUIDE	691679216	8.86	7395	0.251	0.098	0.087	0.137	24.858036	-10.805777	-1142.32	-574.82
7	GUIDE	691683120	8.17	7406	-0.223	0.089	0.072	0.116	25.287365	-9.968576	2011.65	-1777.08

2.4 Star Slots

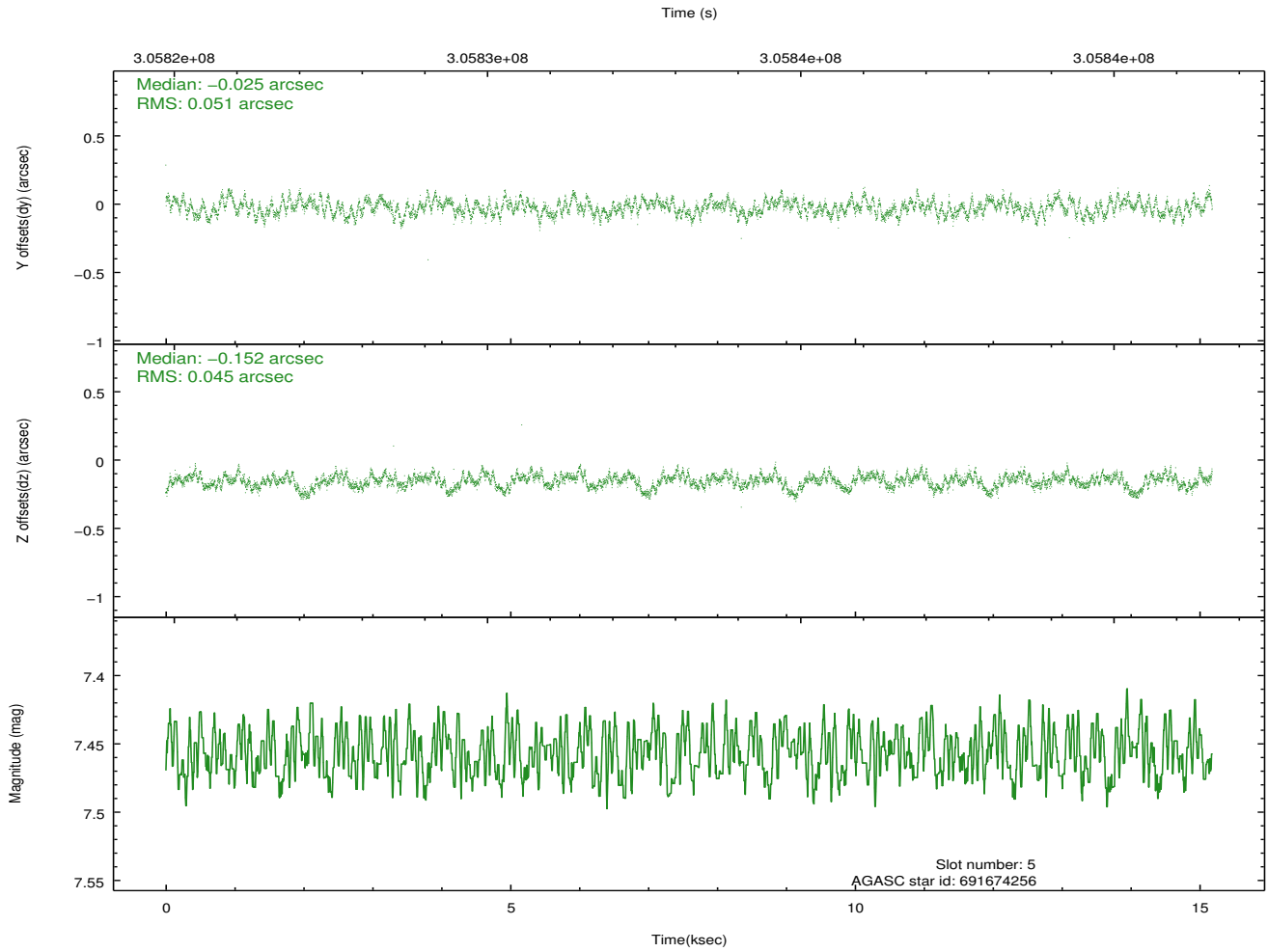
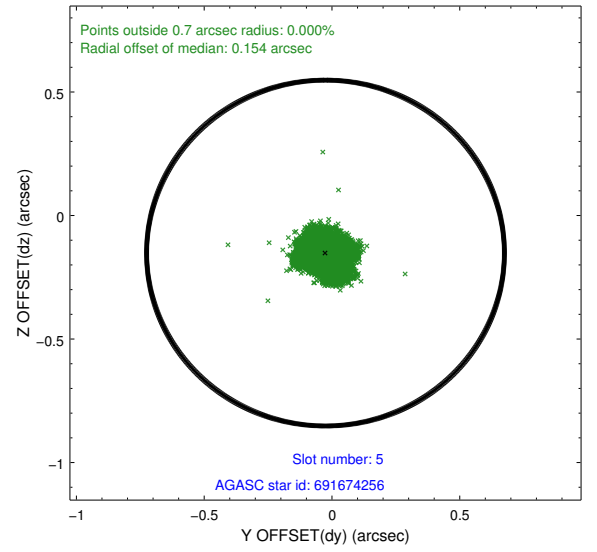
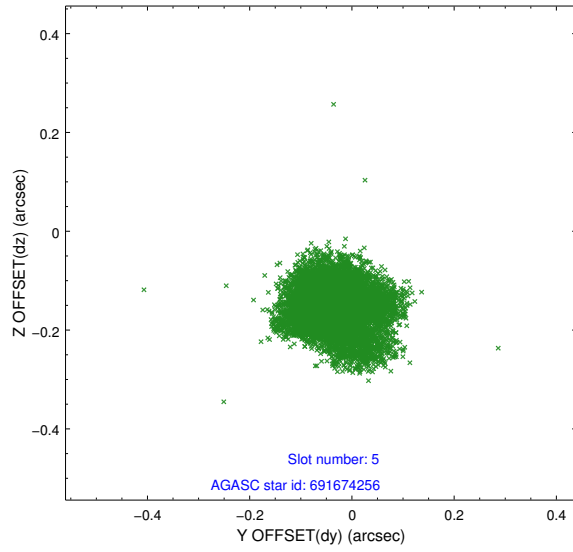
2.4.1 Slot 3



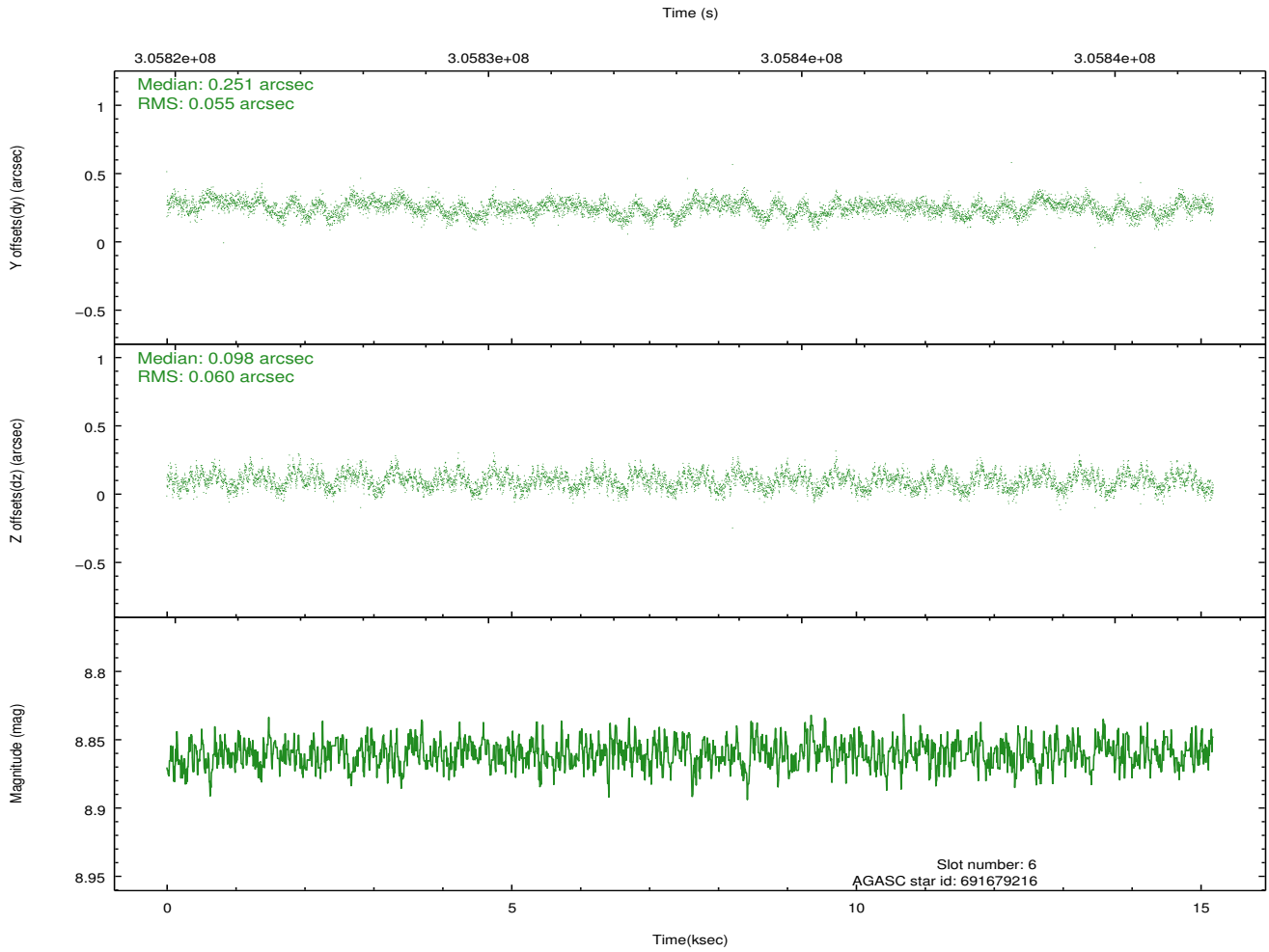
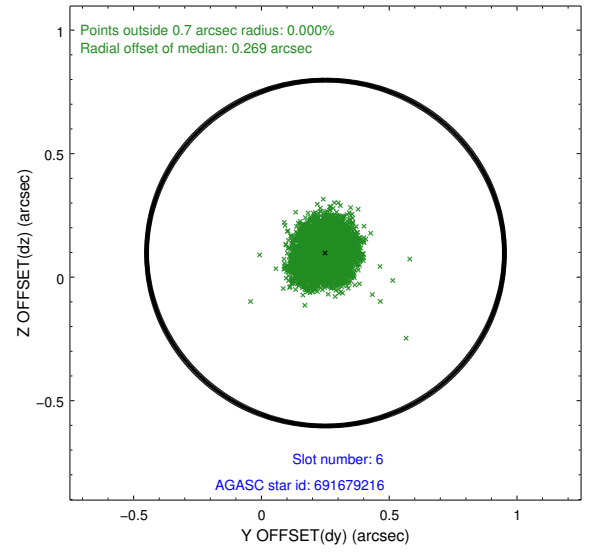
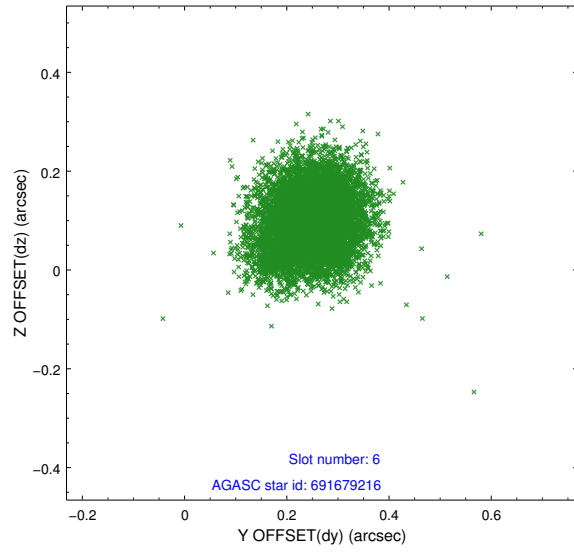
2.4.2 Slot 4



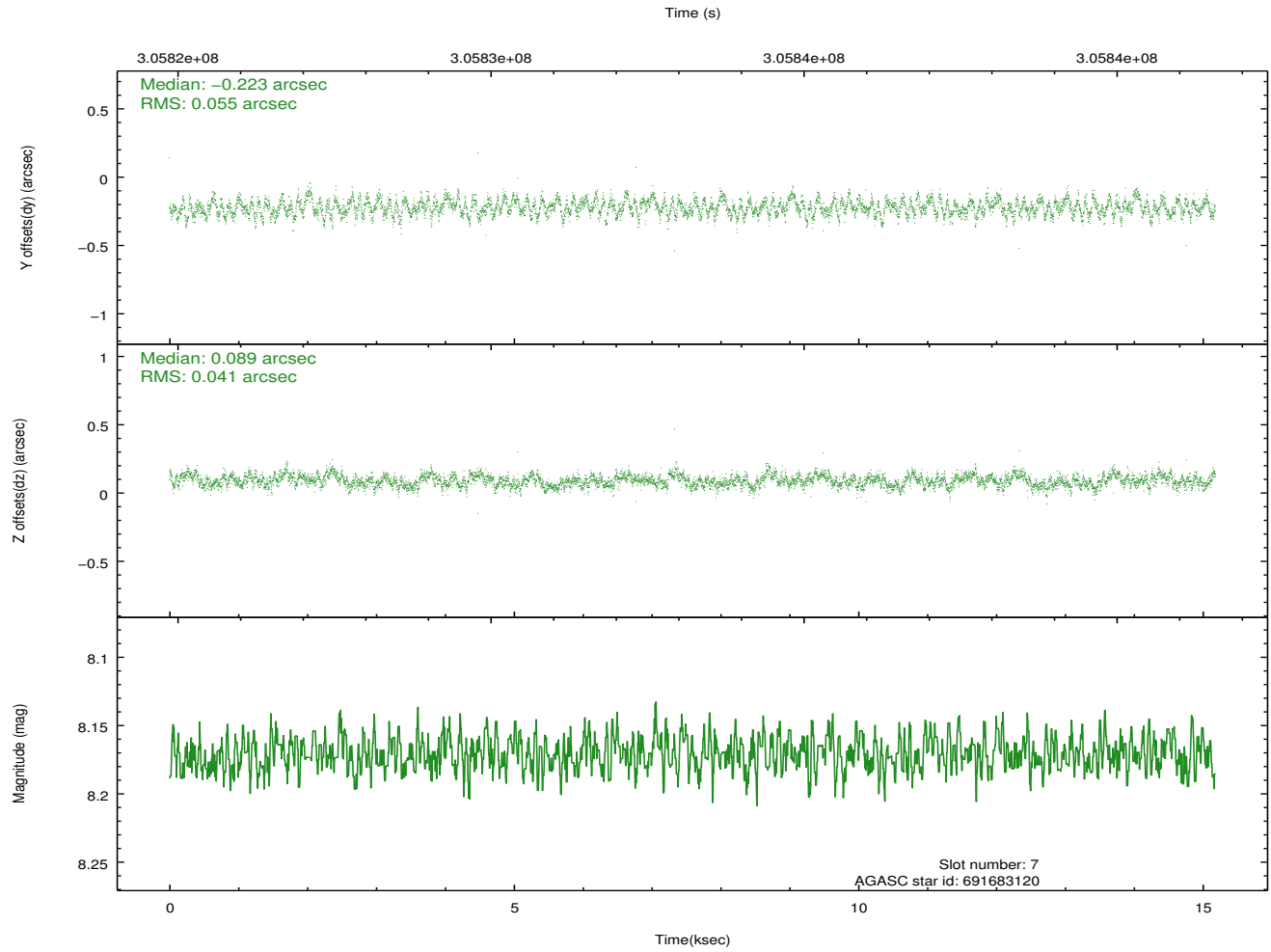
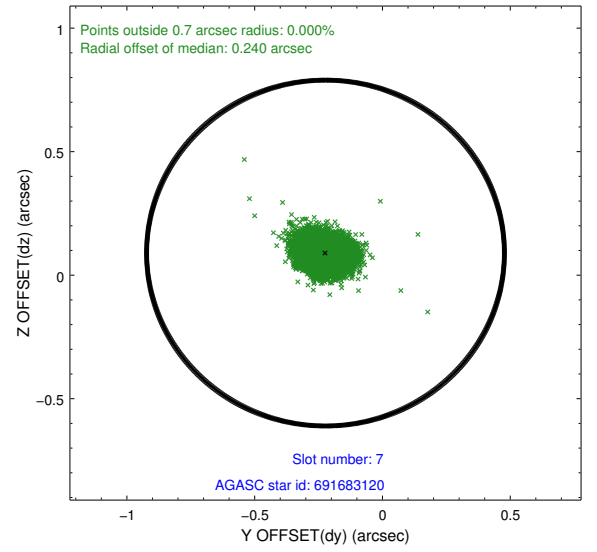
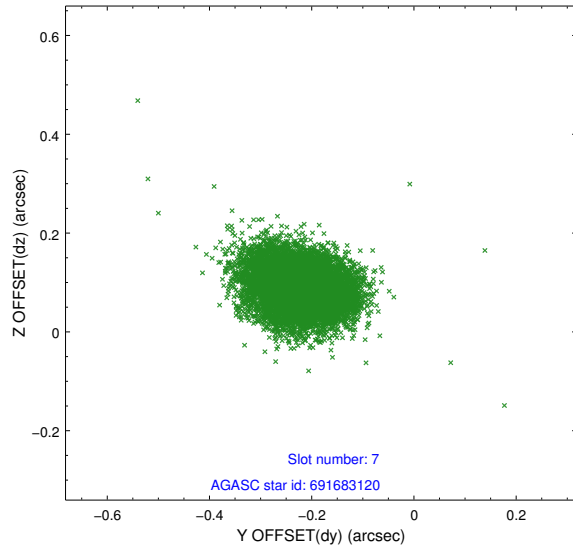
2.4.3 Slot 5



2.4.4 Slot 6

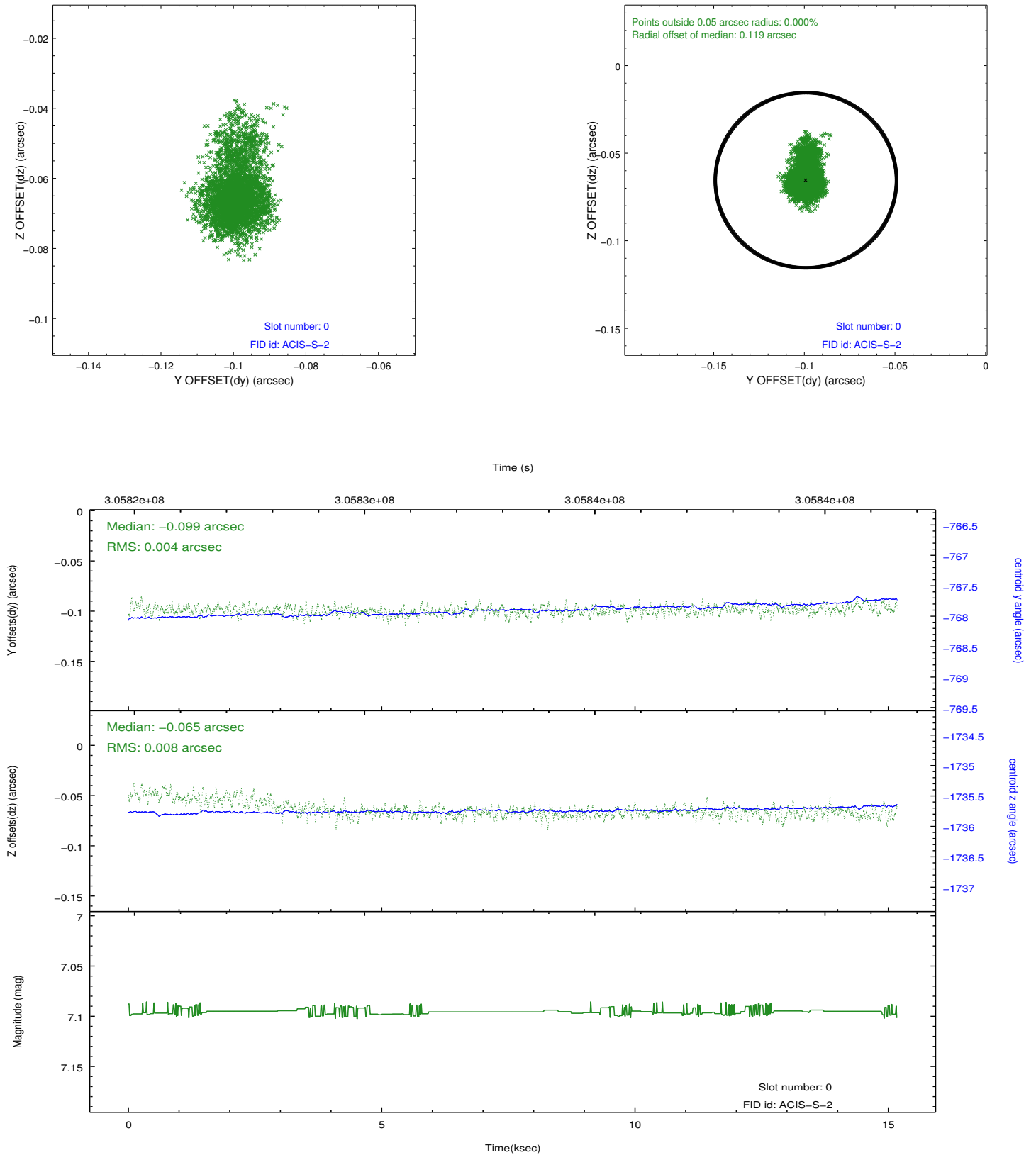


2.4.5 Slot 7

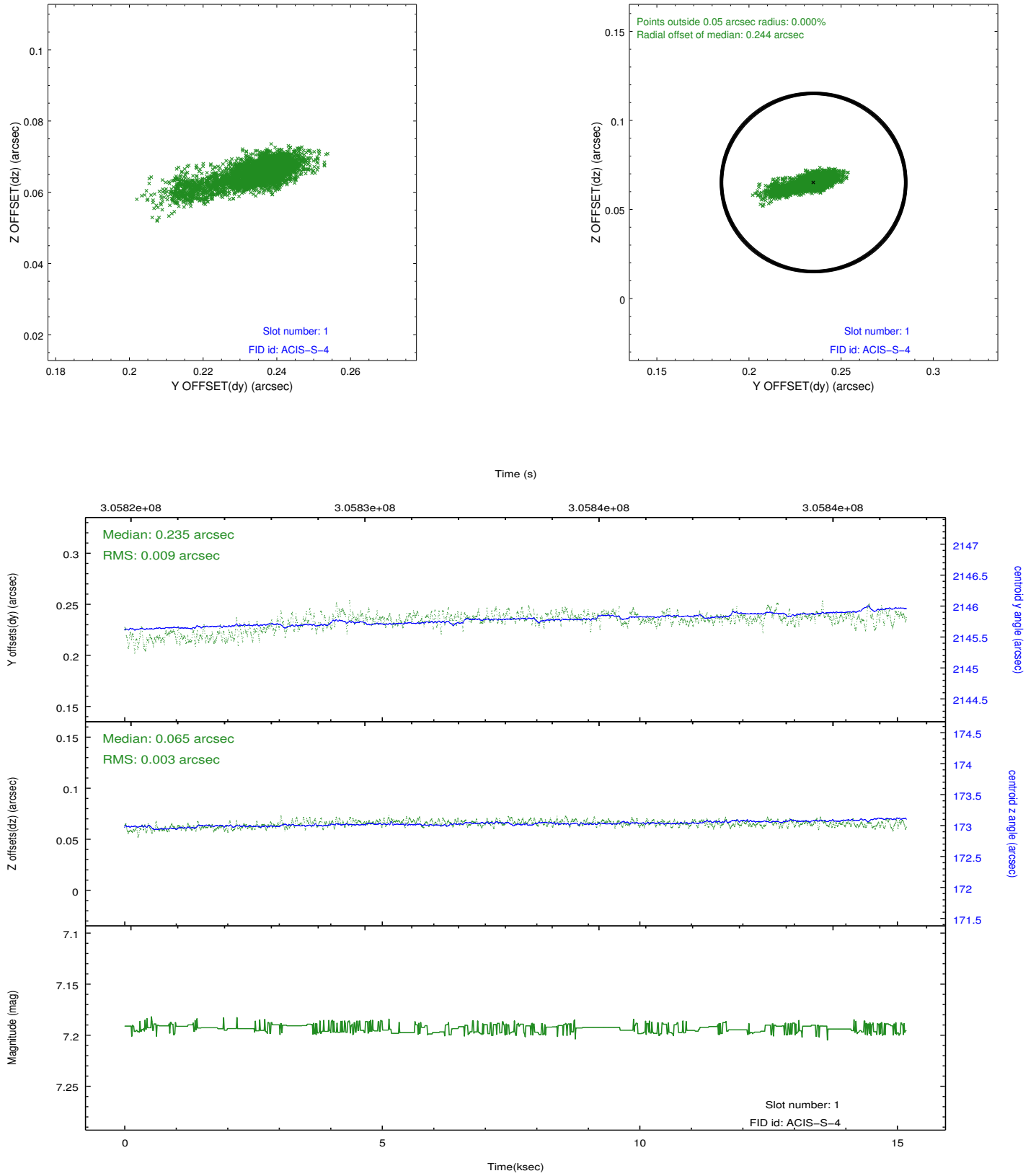


2.5 FID Slots

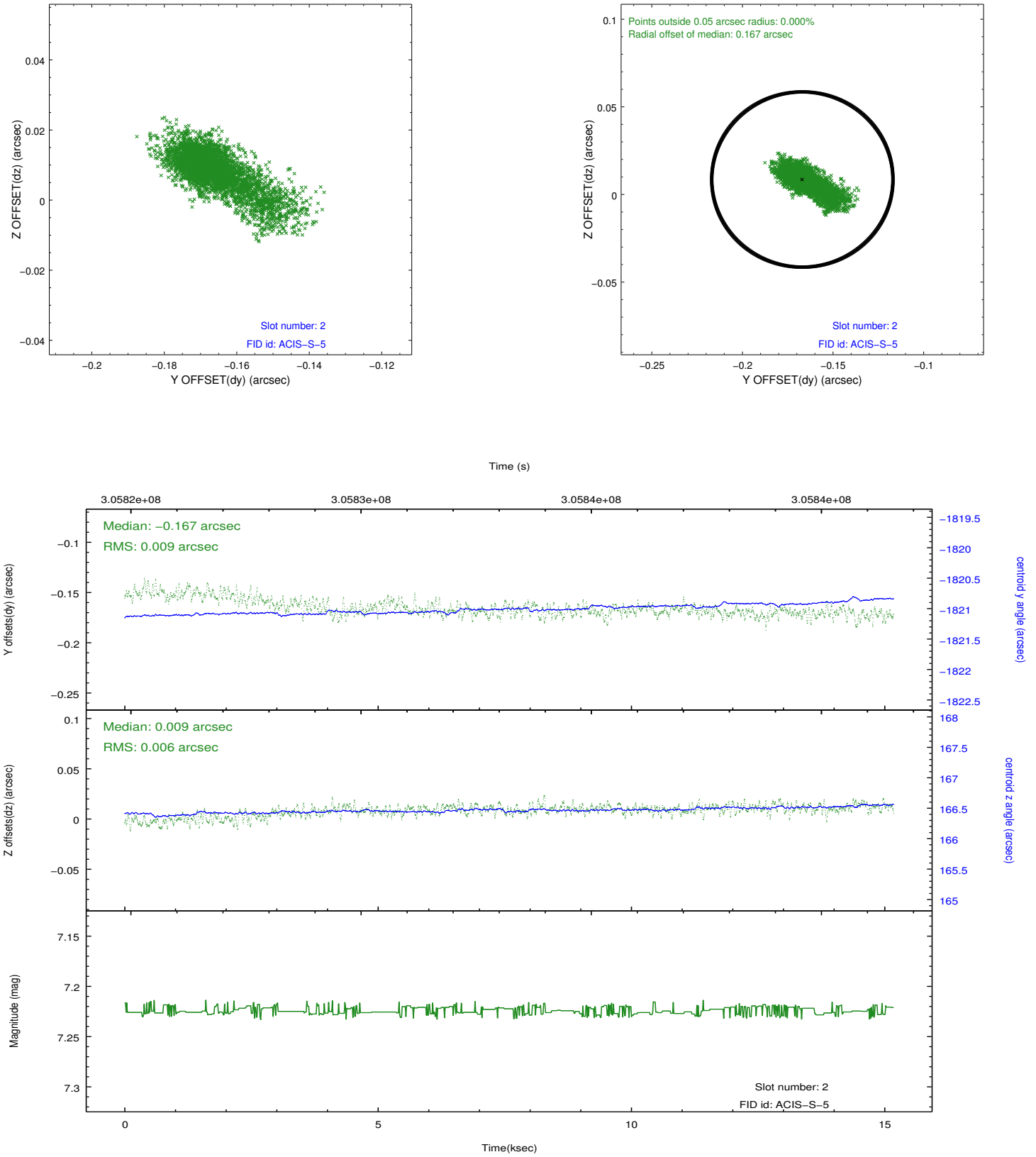
2.5.1 Slot 0



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)	2012.05.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.7583999

A.2 Comments