

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8573 - L2 Version 2
Chandra X-Ray Center

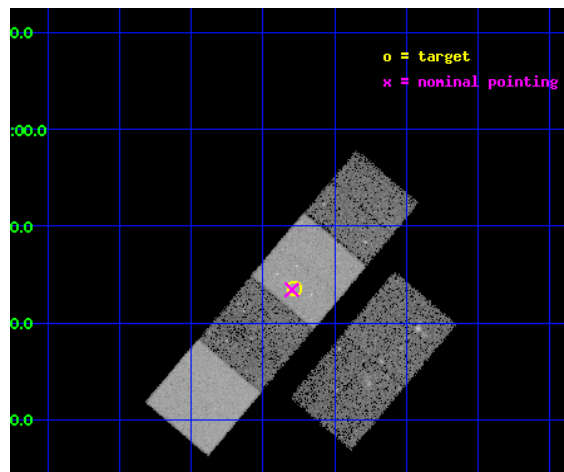
L2 Processing Date : May 7 2012

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1 Front

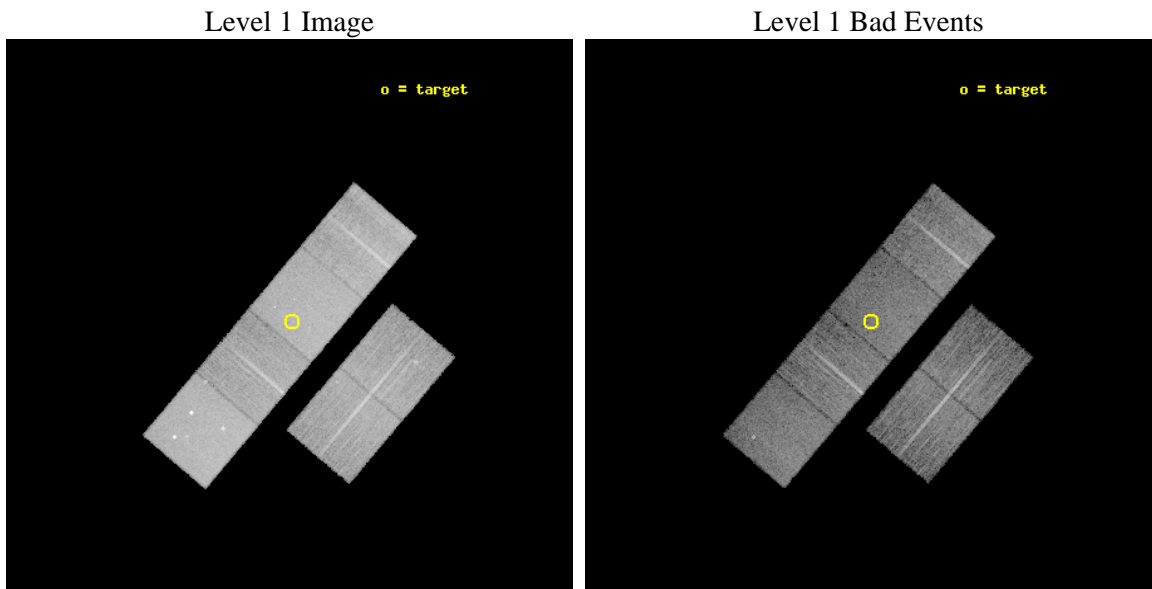
seq_num	200467	Sequence number
obs_id	8573	Observation id
title	A Hard Look at Stellar Disks at the Epoch of Planet Formation	Prop
observer	Dr. Lee Hartmann	Principal investigator
object	OB1A-1200	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	81.445	Observer's specified target RA [deg]
dec_targ	1.725083	Observer's specified target Dec [deg]
ra_nom	81.449591026697	Nominal RA [deg]
dec_nom	1.7235567228951	Nominal Dec [deg]
roll_nom	310.21475141522	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10169.599962175	Sum of GTIs [s]
livetime	10040.826364056	Livetime [s]
ontime2	10169.599962175	Sum of GTIs [s]
ontime3	10169.599962175	Sum of GTIs [s]
ontime5	10169.599962175	Sum of GTIs [s]
ontime6	10169.599962175	Sum of GTIs [s]
ontime7	10169.599962175	Sum of GTIs [s]
ontime8	10169.599962175	Sum of GTIs [s]
l2events	160193	Number of level 2 events



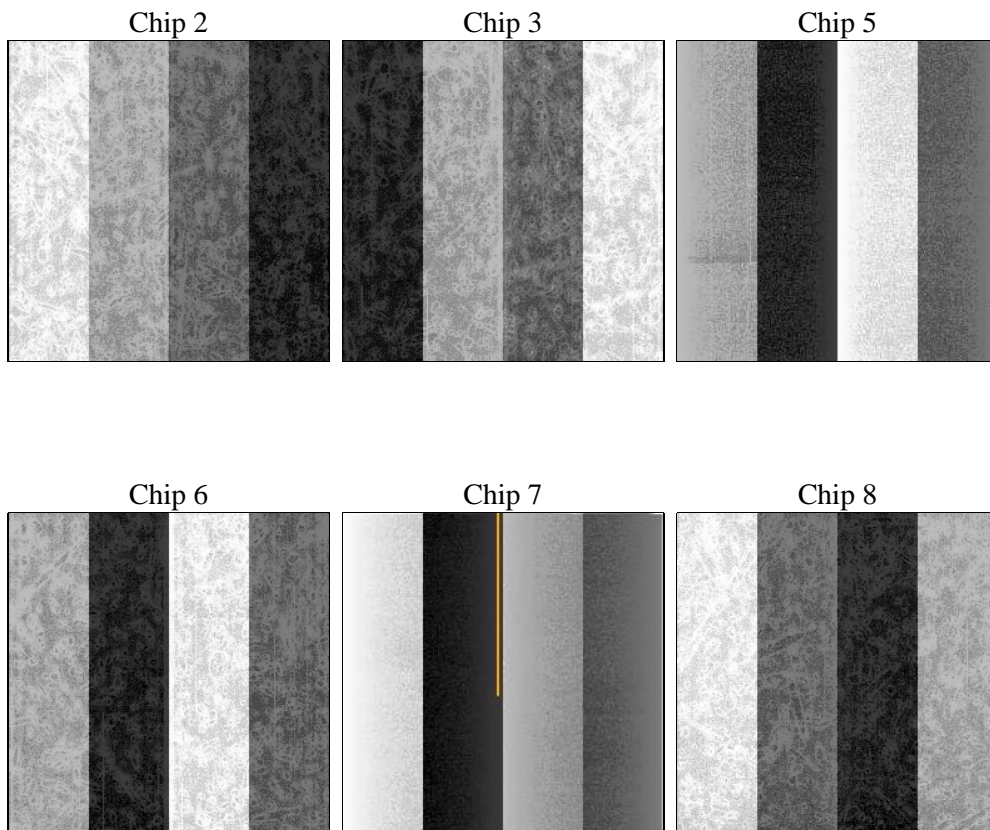
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

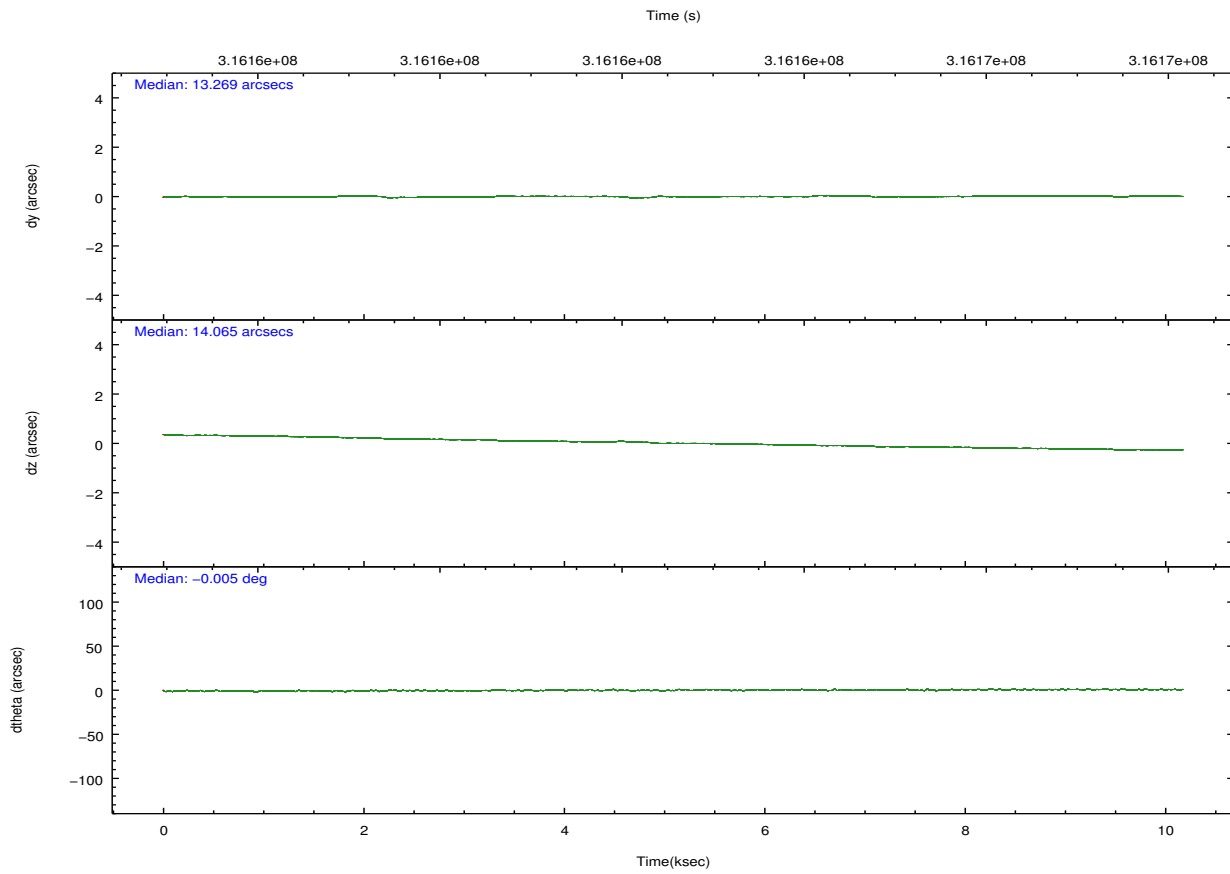
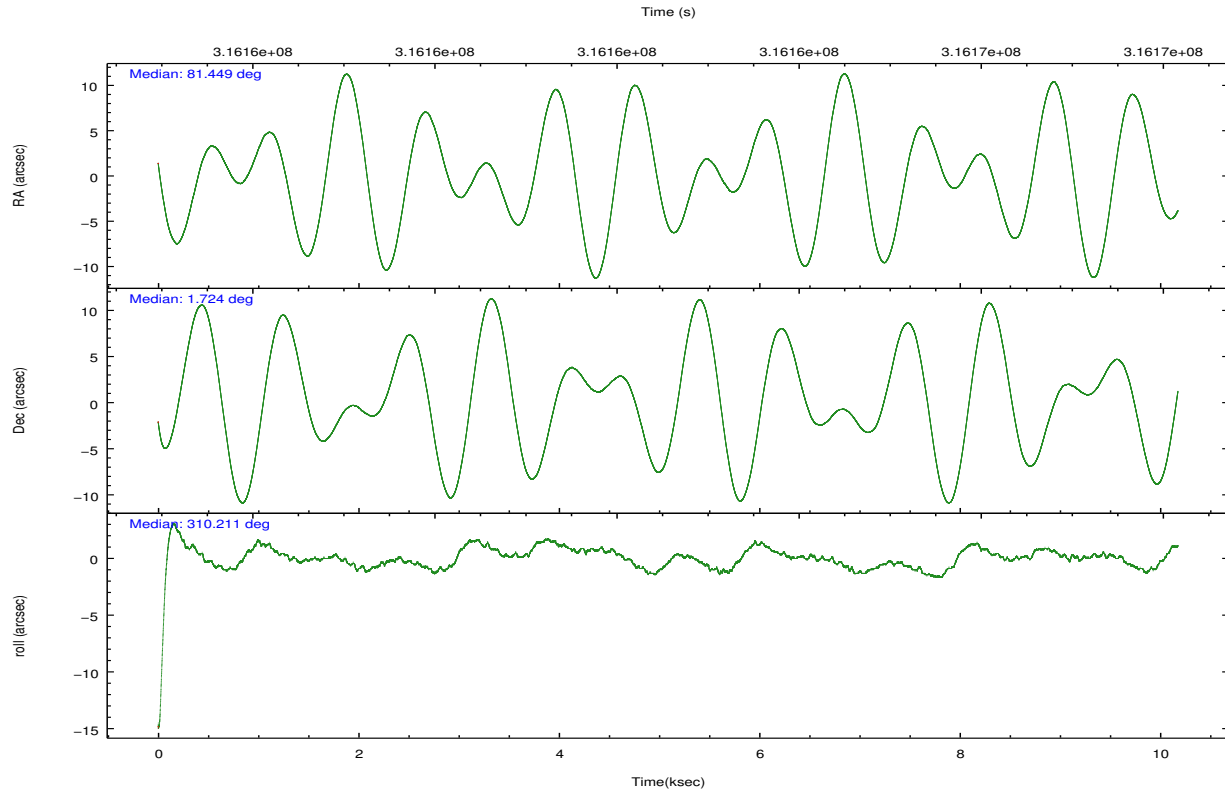
obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10169.599962175	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	10169.599962175	Sum of GTIs [s]
date	2012-05-07T17:13:56	Date and time of file creation	ontime3	10169.599962175	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	10169.599962175	Sum of GTIs [s]
			ontime6	10169.599962175	Sum of GTIs [s]
			ontime7	10169.599962175	Sum of GTIs [s]
			ontime8	10169.599962175	Sum of GTIs [s]
			l1events	687521	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	95751	91259	148480	94605	132805	124621	grade 0 events	5229	5690	7597	4885	5169	8786
rejected events	84183	79144	79535	82738	76883	96972		5%	6%	5%	5%	3%	7%
rejected %	87%	86%	53%	87%	57%	77%	grade 1 events	80	69	209	53	144	92
								0%	0%	0%	0%	0%	0%
							grade 2 events	2468	2304	21435	2512	11680	6264
								2%	2%	14%	2%	8%	5%
							grade 3 events	1016	1108	2371	1120	4789	2679
								1%	1%	1%	1%	3%	2%
							grade 4 events	1017	1047	2297	1082	4895	2595
								1%	1%	1%	1%	3%	2%
							grade 5 events	3921	4491	10368	4520	12458	6052
								4%	4%	6%	4%	9%	4%
							grade 6 events	1902	2041	35714	2353	29747	7507
								1%	2%	24%	2%	22%	6%
							grade 7 events	80118	74509	68489	78080	63923	90646
								83%	81%	46%	82%	48%	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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	81.423741	81.44959102669716	Subarray requested	NONE	NONE
[deg] Pointing Dec	1.732483	1.723556722895103	Alternating exposures requested	N	N
[deg] Pointing Roll	310.058921	310.2147514152174	[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)	316157645.184000	316156543.39559			
Observation start date	2008-01-08T05:33:00	2008-01-08T05:15:43			
[s] Observation end time (MET)	316167645.184000	316167779.44614			
Observation end date	2008-01-08T08:19:40	2008-01-08T08:22:59			
Read mode	TIMED	TIMED			

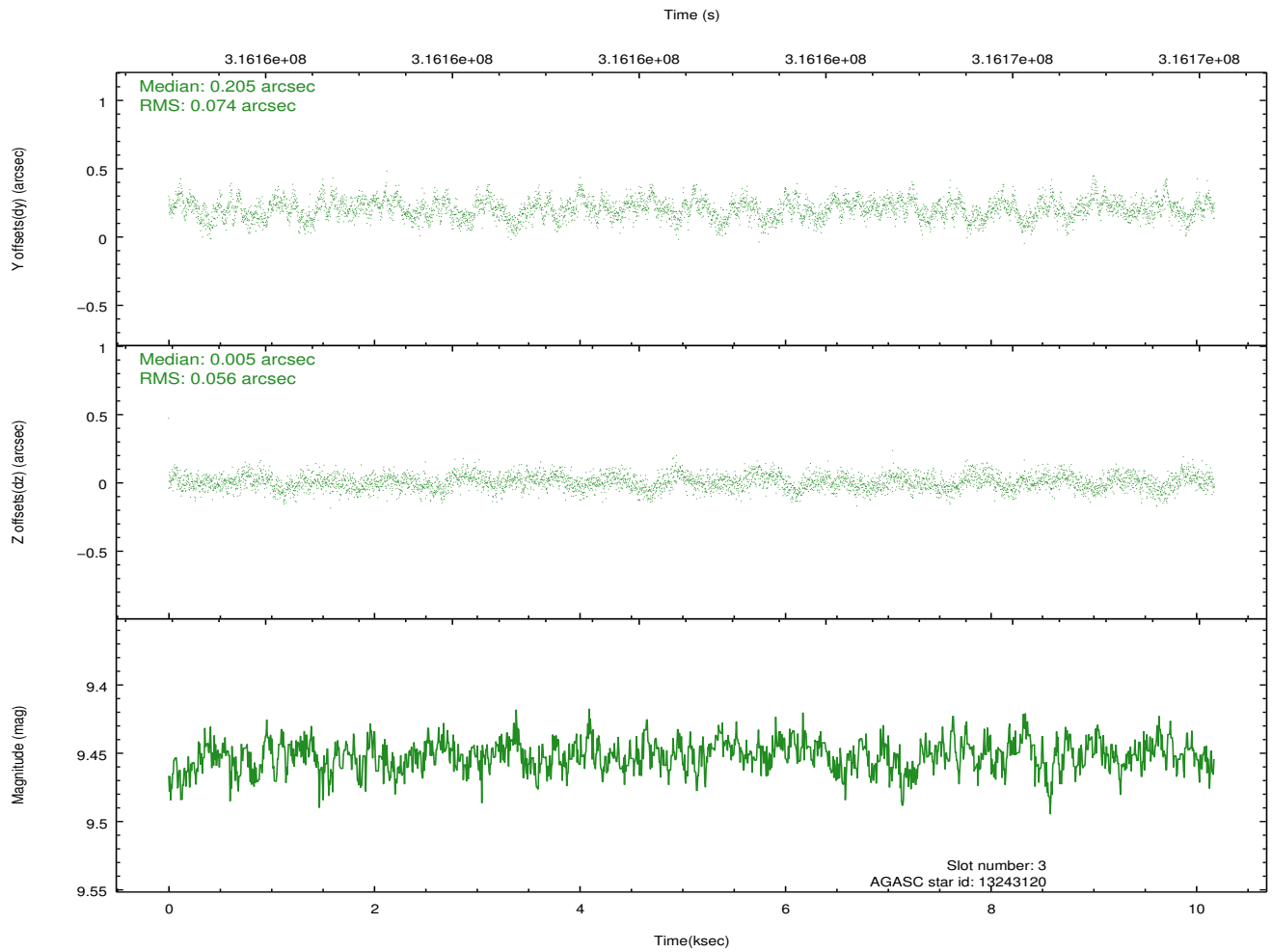
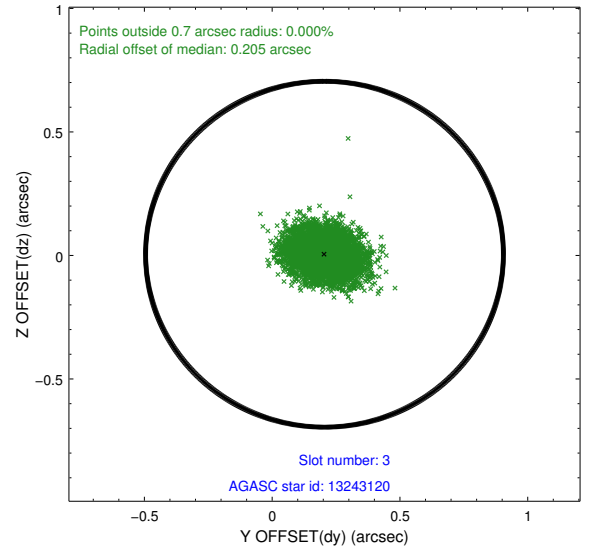
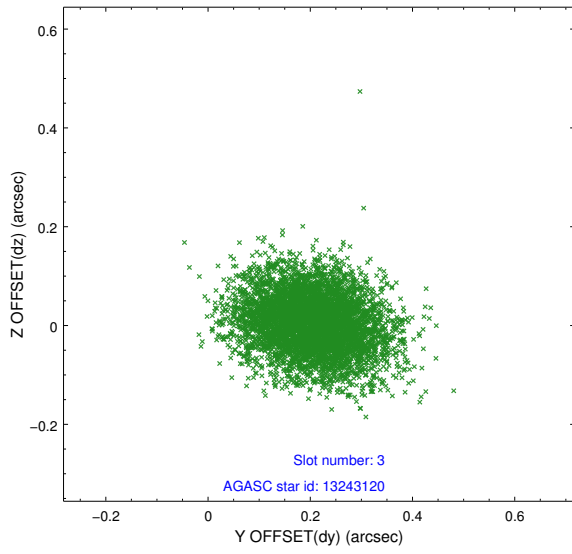


Slot Statistics

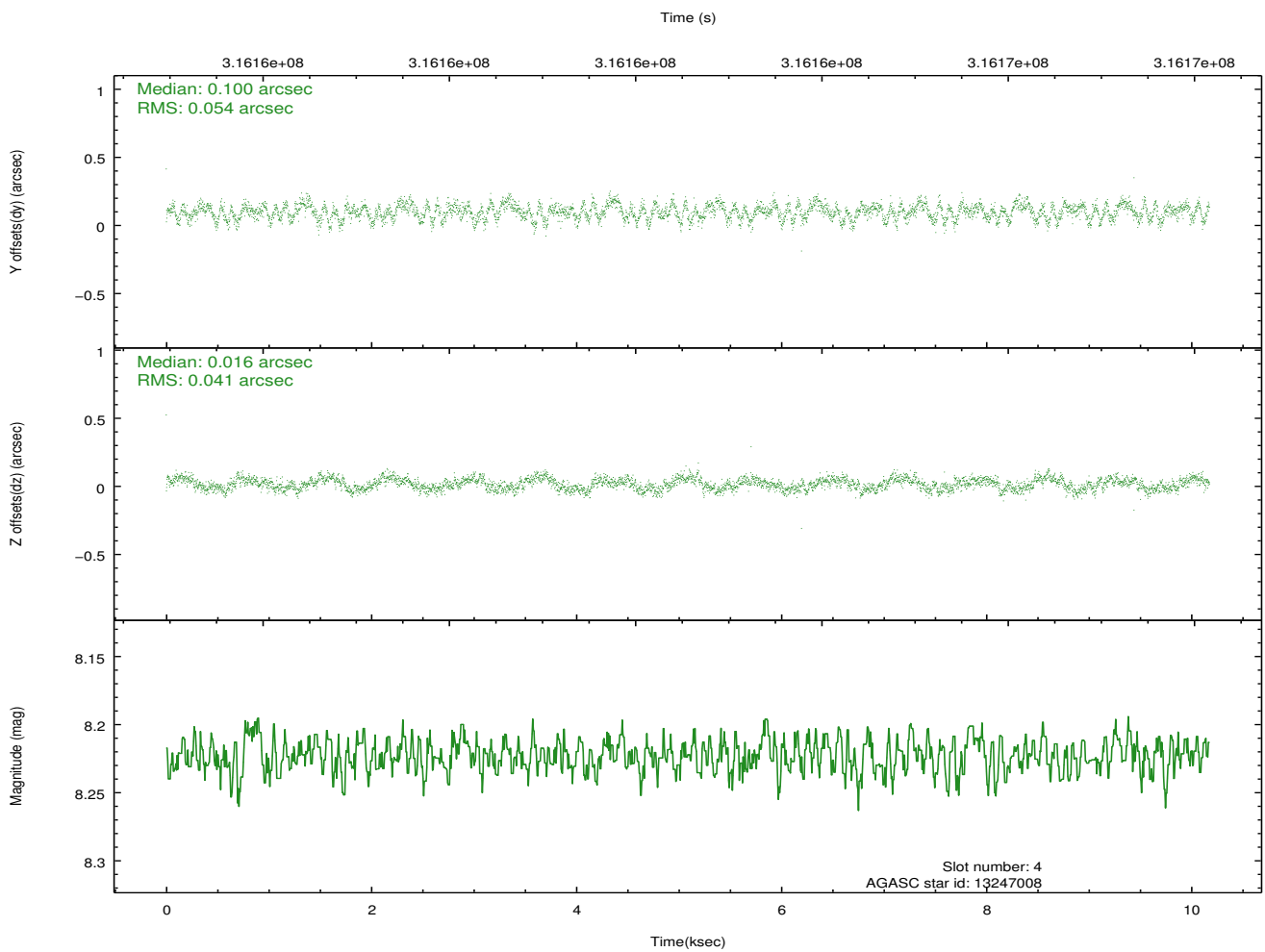
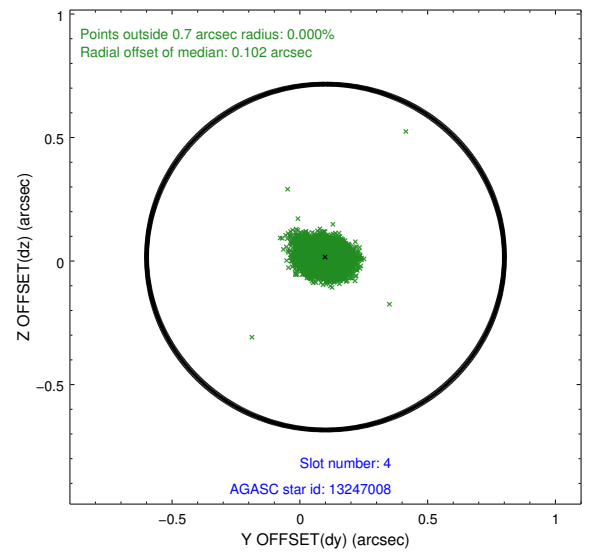
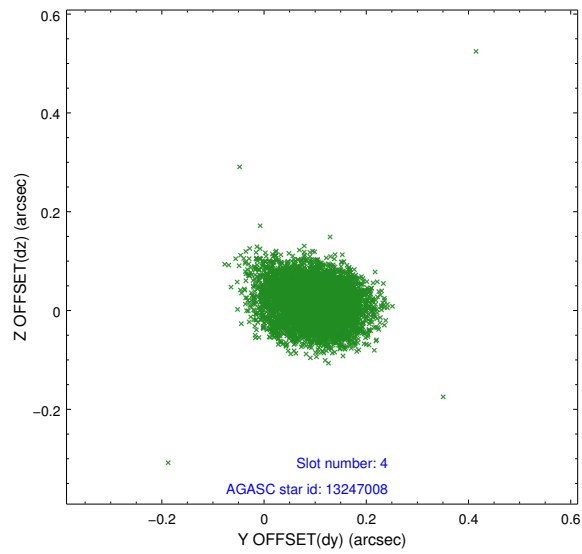
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	2482	-0.043	-0.054	0.009	0.014	0.000000	0.000000	-766.22	-1735.50
1	FID	ACIS-S-4	7.19	2483	0.166	0.035	0.006	0.011	0.000000	0.000000	2147.01	172.56
2	FID	ACIS-S-5	7.22	2482	-0.154	0.027	0.008	0.013	0.000000	0.000000	-1818.52	166.78
3	GUIDE	13243120	9.45	4957	0.205	0.005	0.097	0.161	82.065419	1.580069	1906.28	1415.02
4	GUIDE	13247008	8.22	4963	0.100	0.016	0.072	0.112	81.569386	1.058672	2194.91	-1159.14
5	GUIDE	13240312	8.58	4964	-0.021	-0.019	0.100	0.158	80.758059	1.696927	-1443.12	-1915.57
6	GUIDE	13243912	6.69	4965	-0.093	0.049	0.047	0.079	81.264652	1.185597	1138.52	-1705.27
7	GUIDE	13784080	6.84	4962	-0.194	-0.051	0.071	0.136	81.150422	2.353162	-2342.65	685.41

2.4 Star Slots

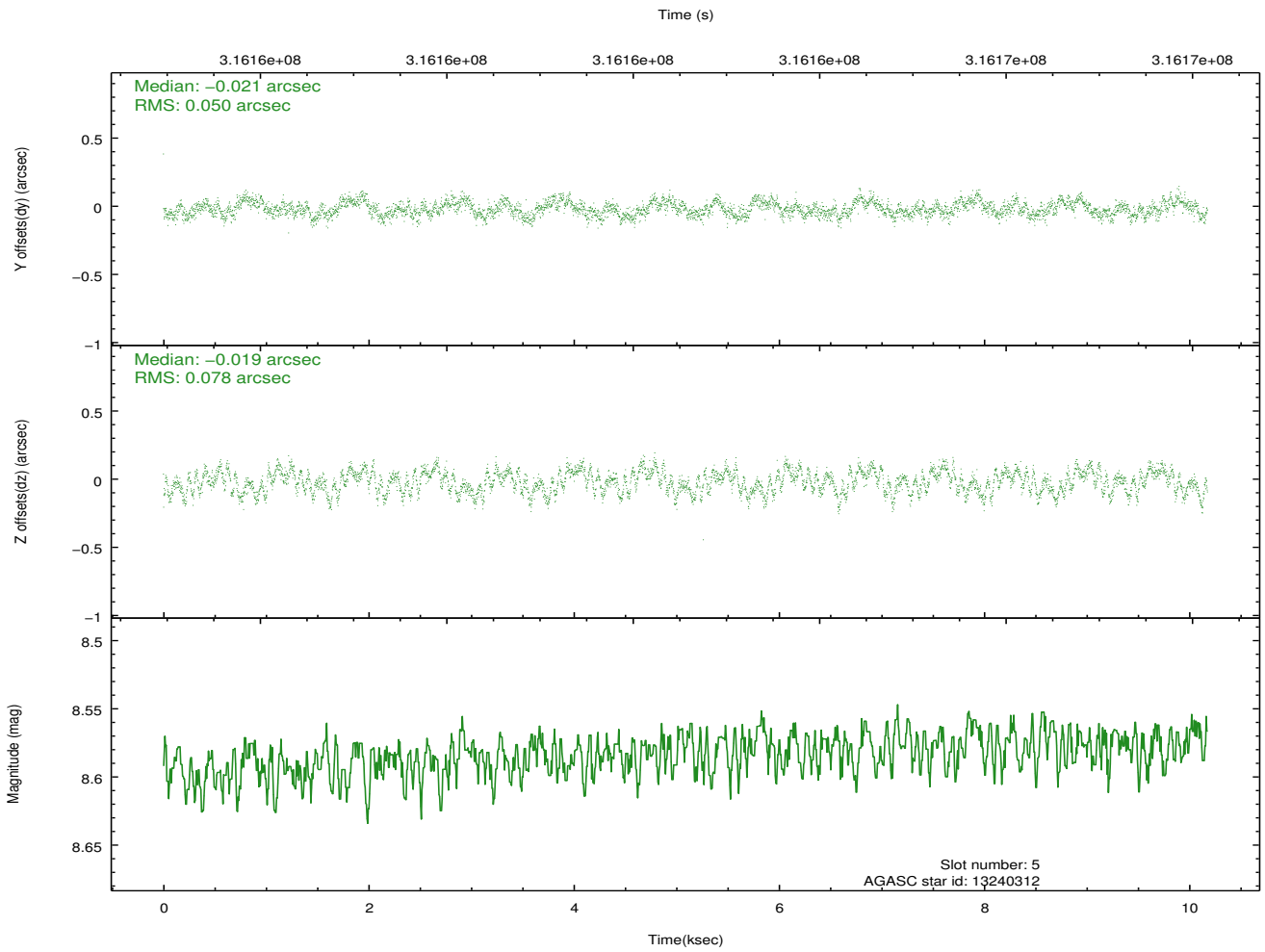
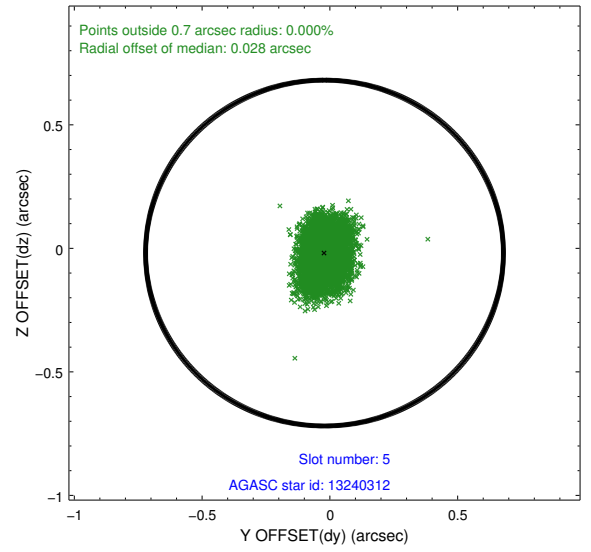
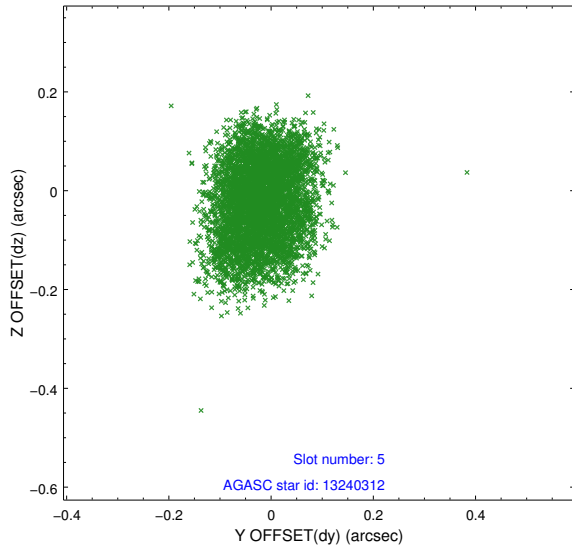
2.4.1 Slot 3



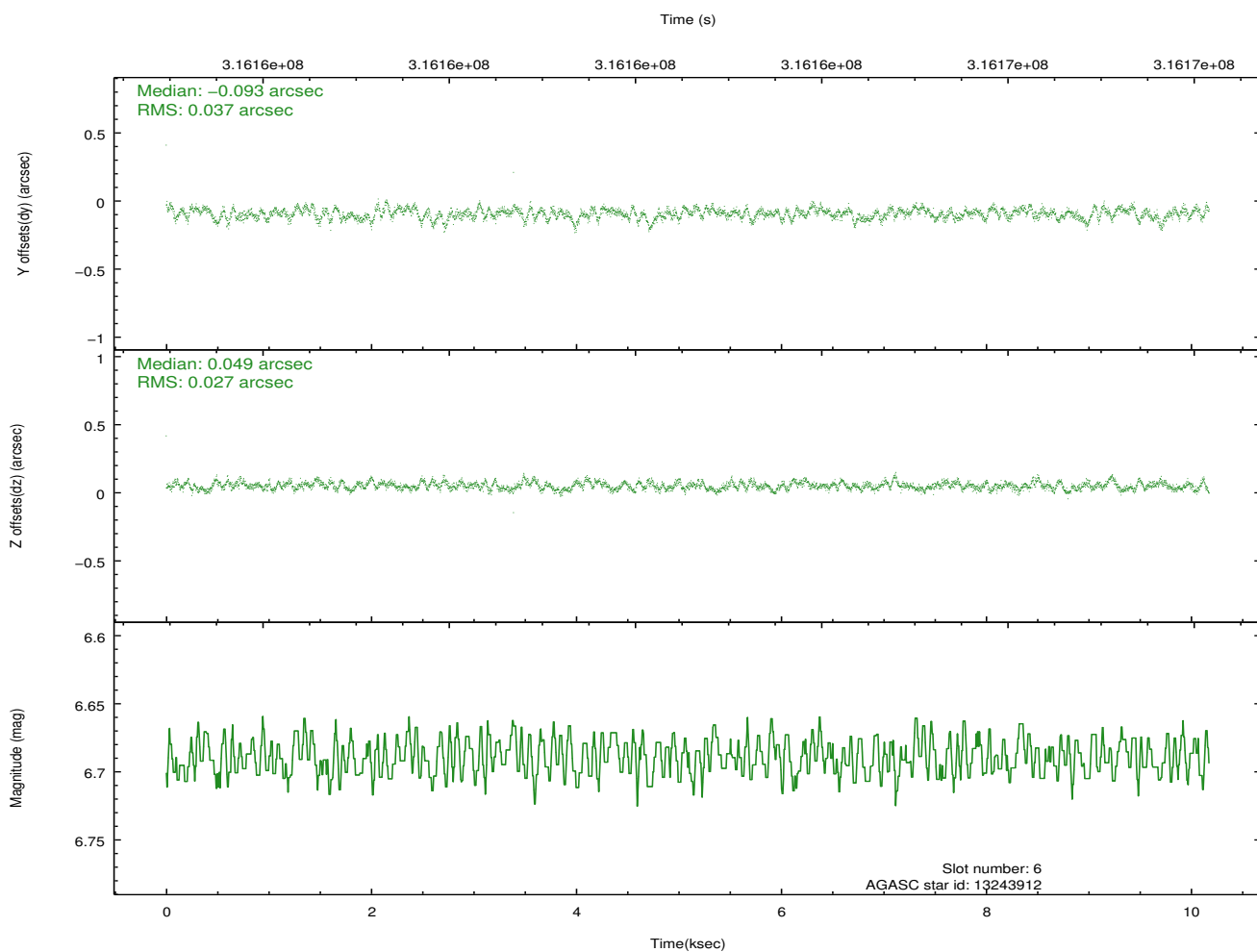
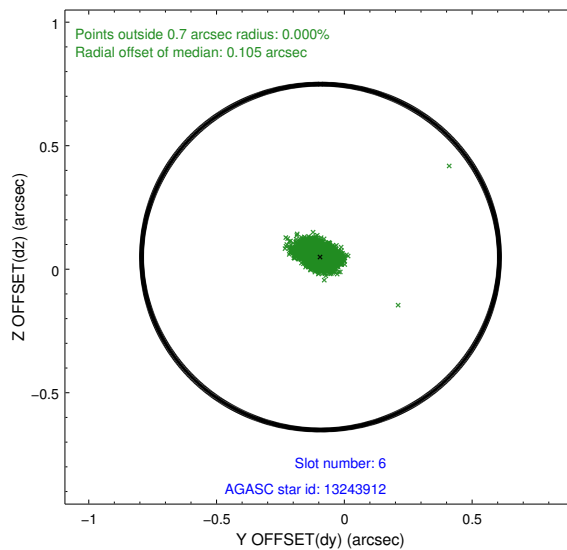
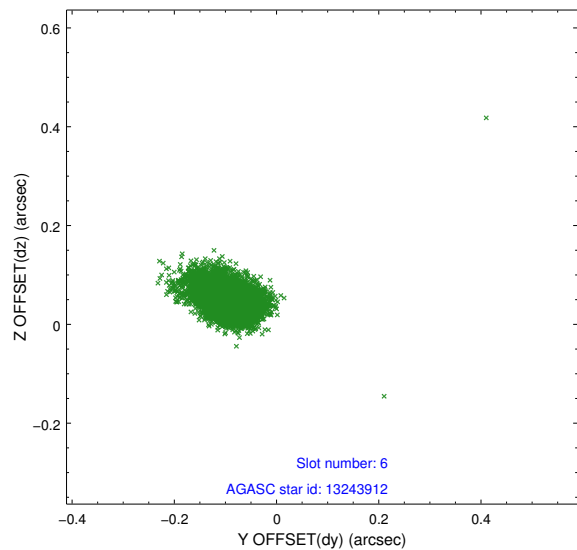
2.4.2 Slot 4



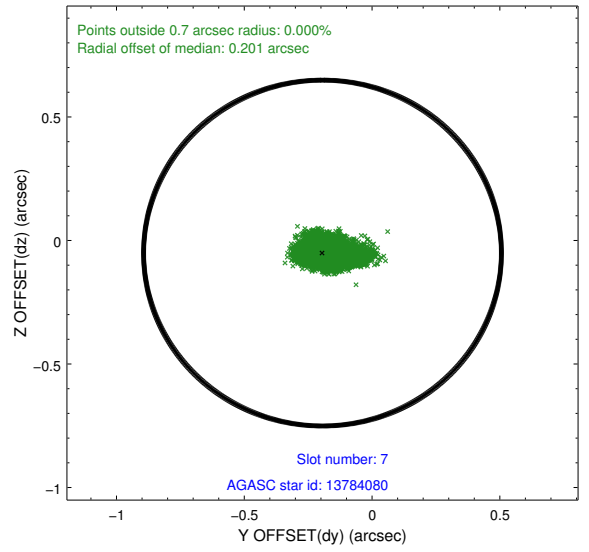
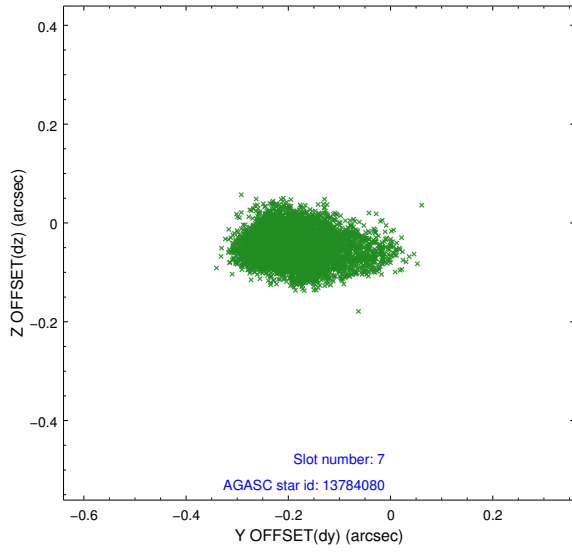
2.4.3 Slot 5



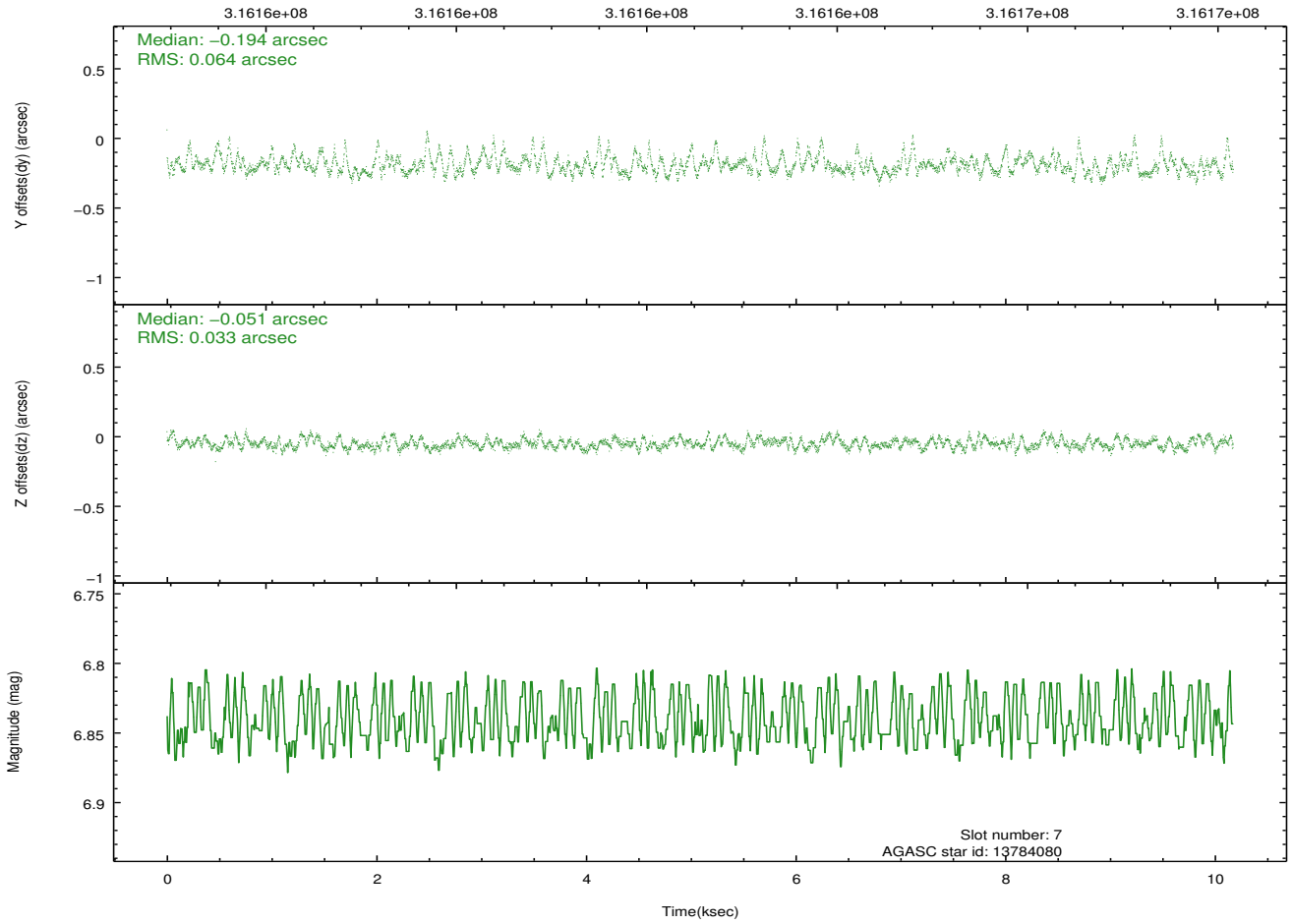
2.4.4 Slot 6



2.4.5 Slot 7

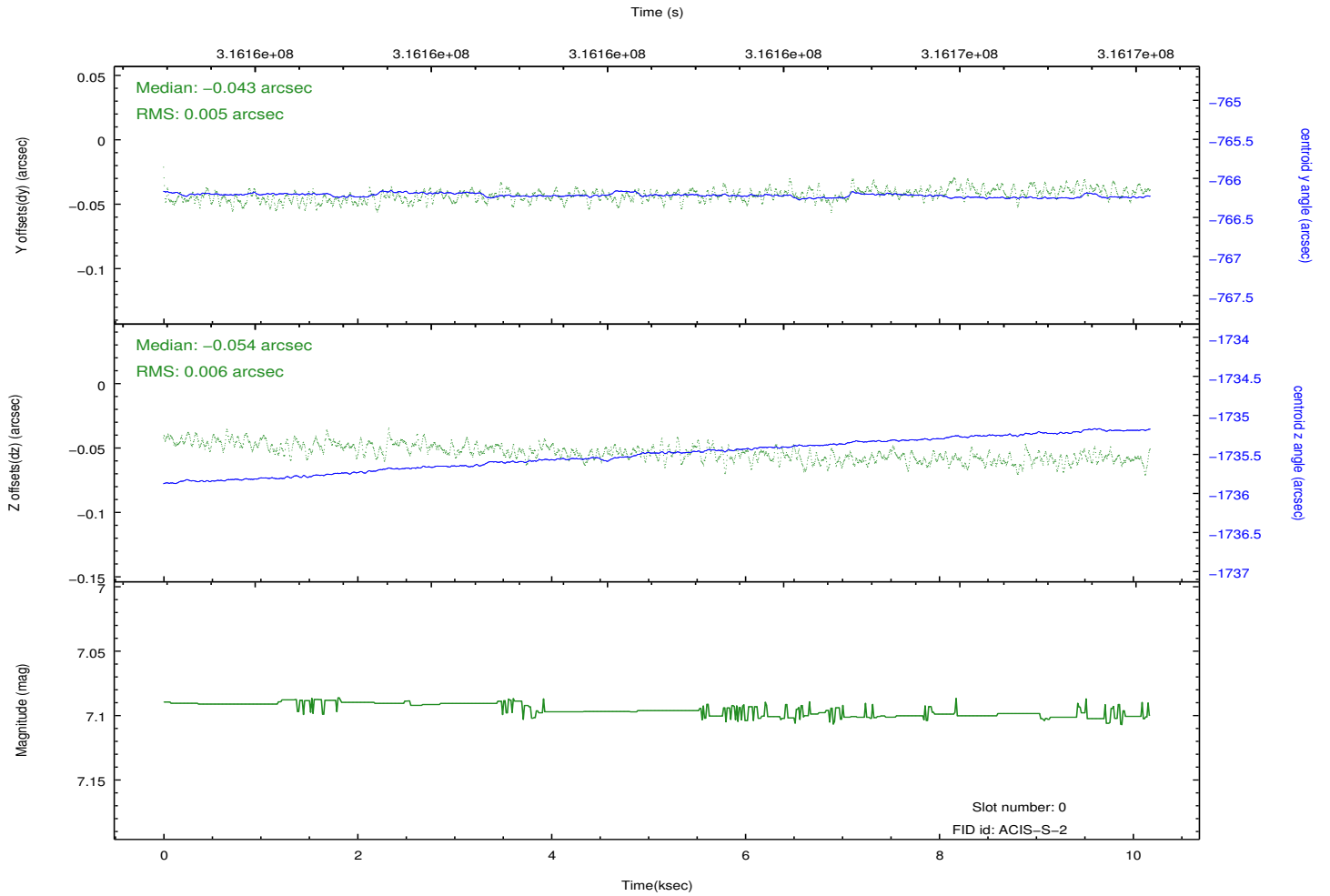
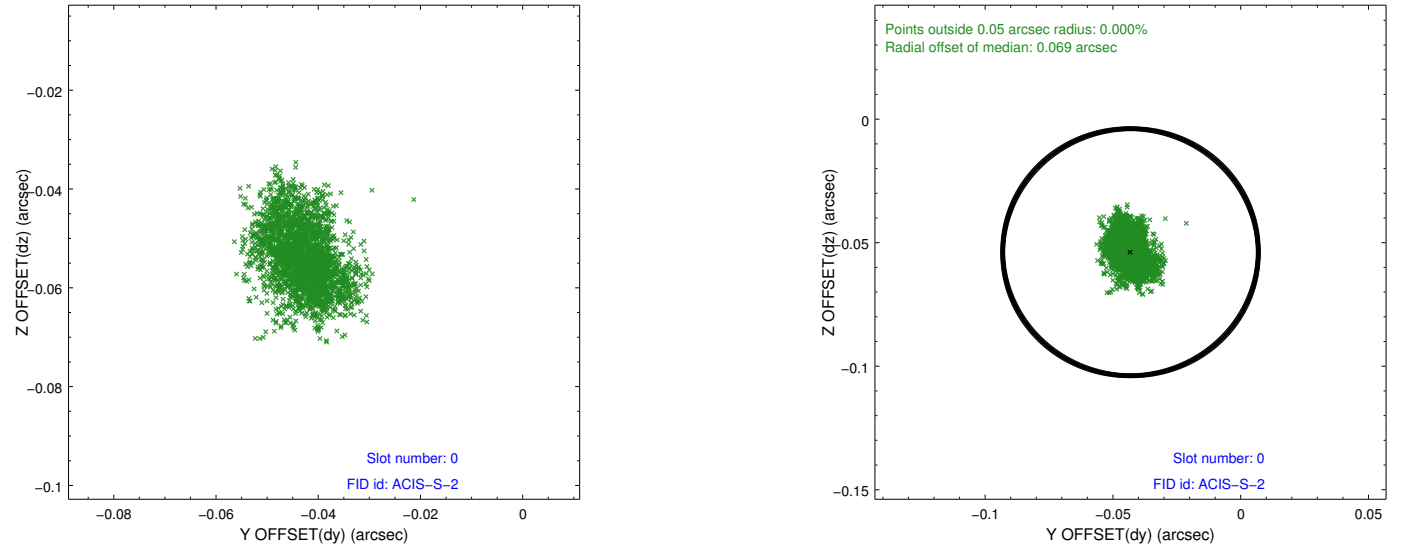


Time (s)

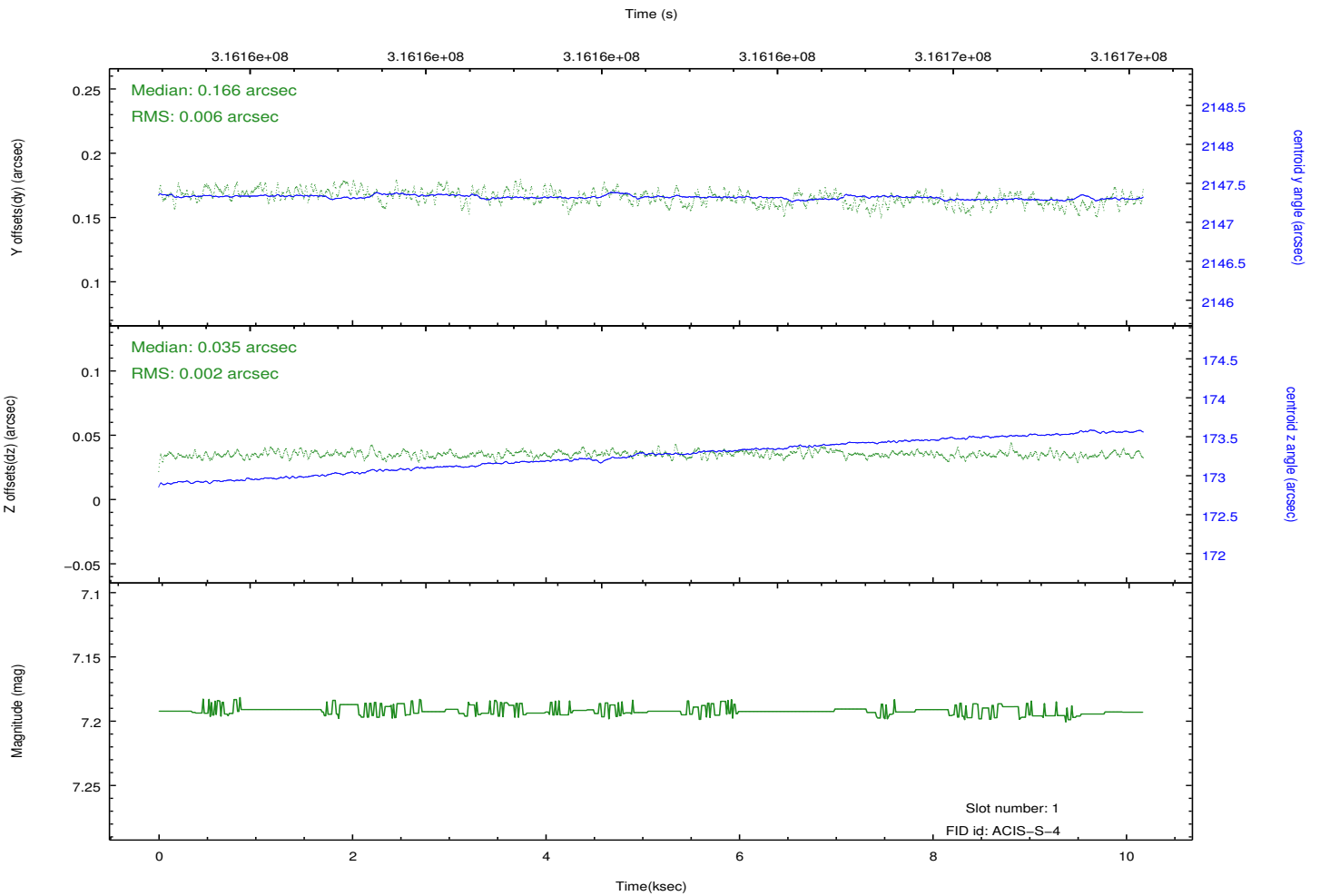
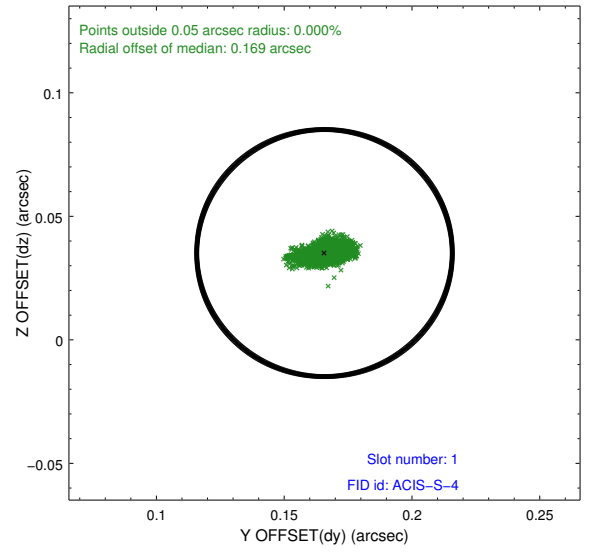
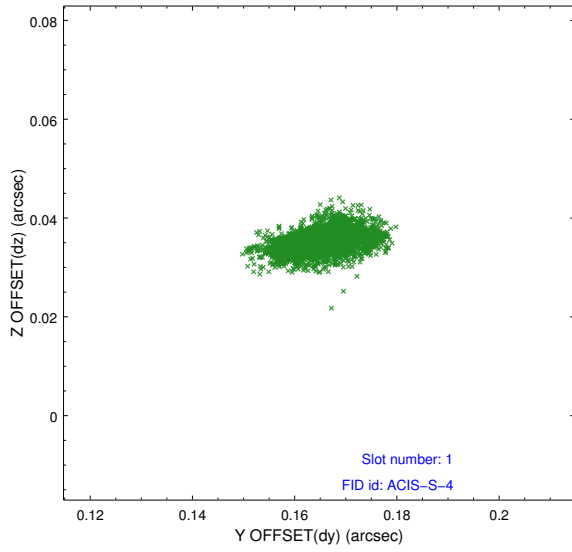


2.5 FID Slots

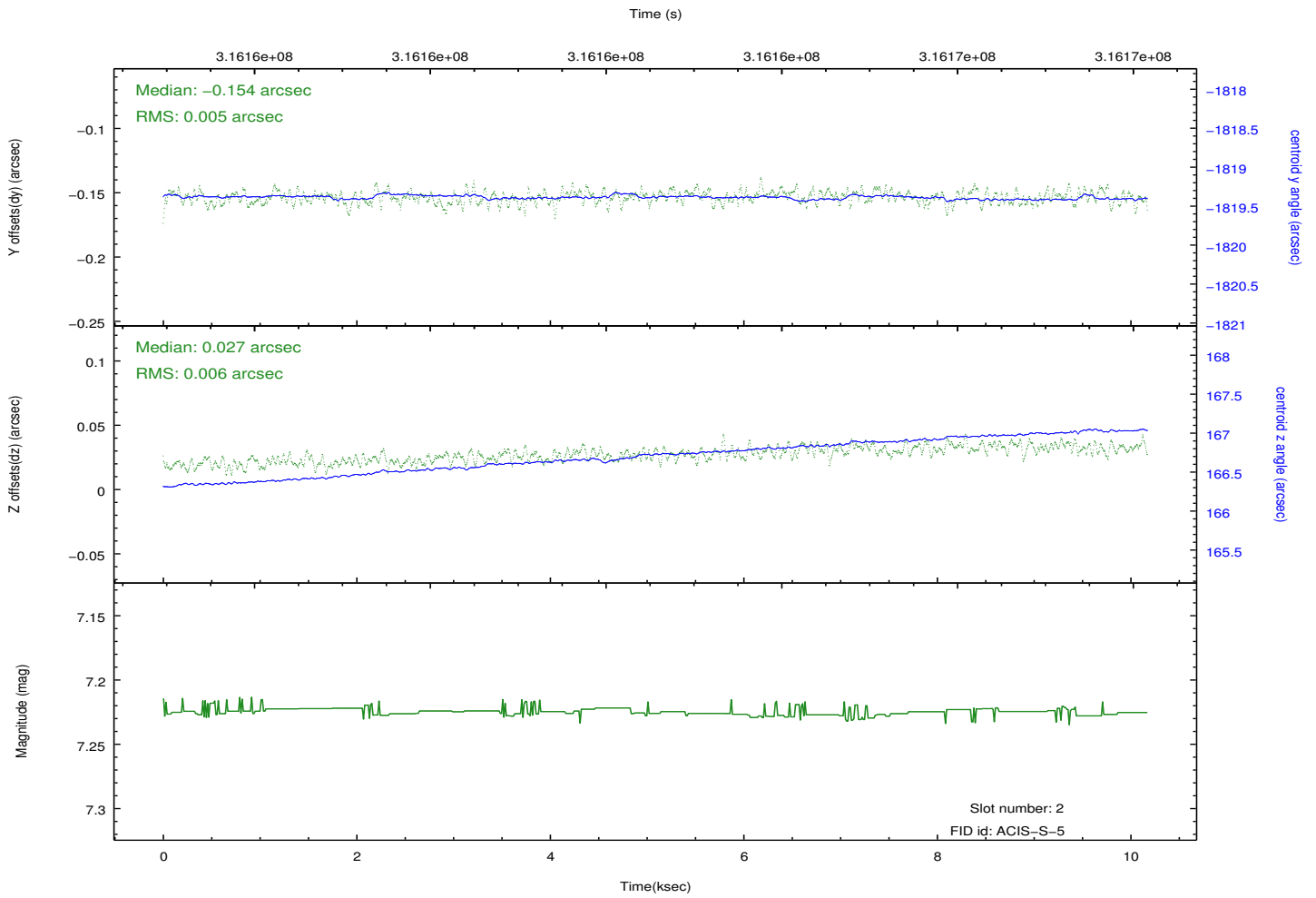
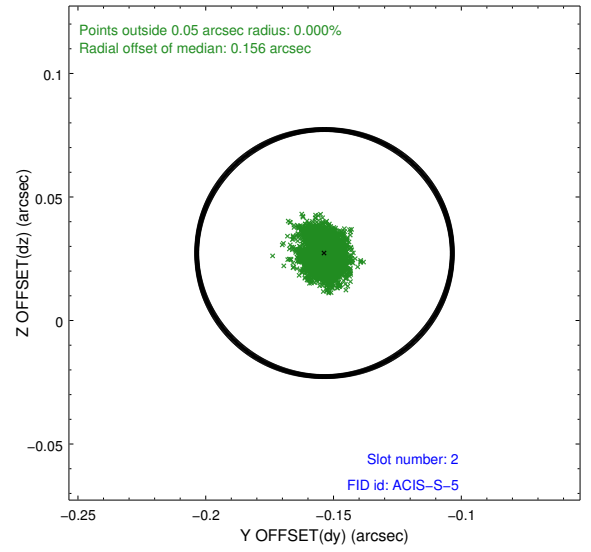
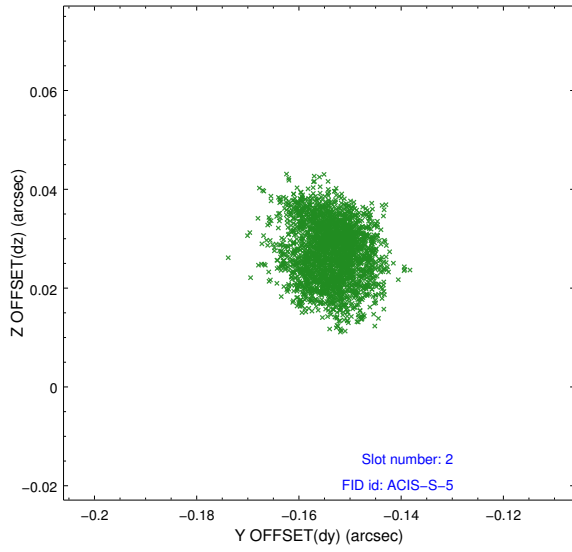
2.5.1 Slot 0



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)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1695999

A.2 Comments

Joint proposal with HST.