

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5949 - L2 Version 3
Chandra X-Ray Center

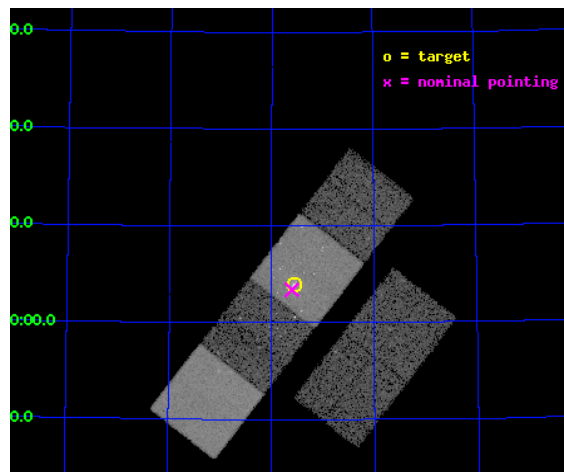
L2 Processing Date : Dec 26 2012

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1 Front

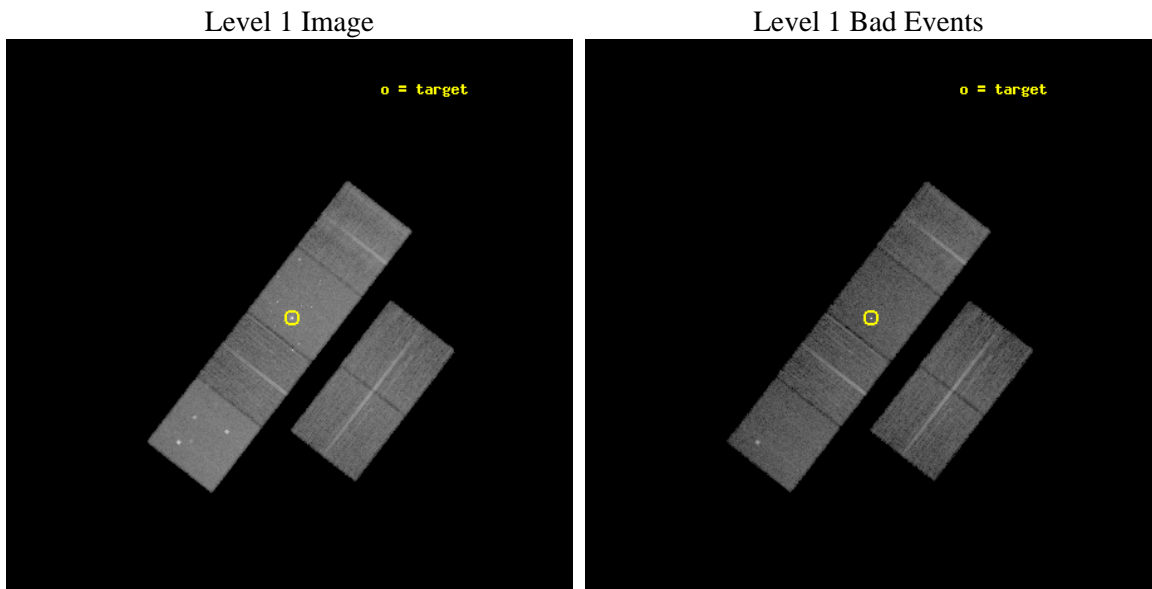
seq_num	600468	Sequence number
obs_id	5949	Observation id
title	An Unprecedented View of a Galaxy's Dynamic X-ray Source Population	
observer	Prof. David Pooley	Principal investigator
object	M81	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	148.888333	Observer's specified target RA [deg]
dec_targ	69.065306	Observer's specified target Dec [deg]
ra_nom	148.90093340199	Nominal RA [deg]
dec_nom	69.056714422017	Nominal Dec [deg]
roll_nom	307.75264778293	Nominal Roll [deg]
revision	3	Processing version of data
ontime	12175.999954641	Sum of GTIs [s]
livetime	12021.820111708	Livetime [s]
ontime2	12175.999954641	Sum of GTIs [s]
ontime3	12175.999954641	Sum of GTIs [s]
ontime5	12175.999954641	Sum of GTIs [s]
ontime6	12175.999954641	Sum of GTIs [s]
ontime7	12175.999954641	Sum of GTIs [s]
ontime8	12175.999954641	Sum of GTIs [s]
l2events	168840	Number of level 2 events



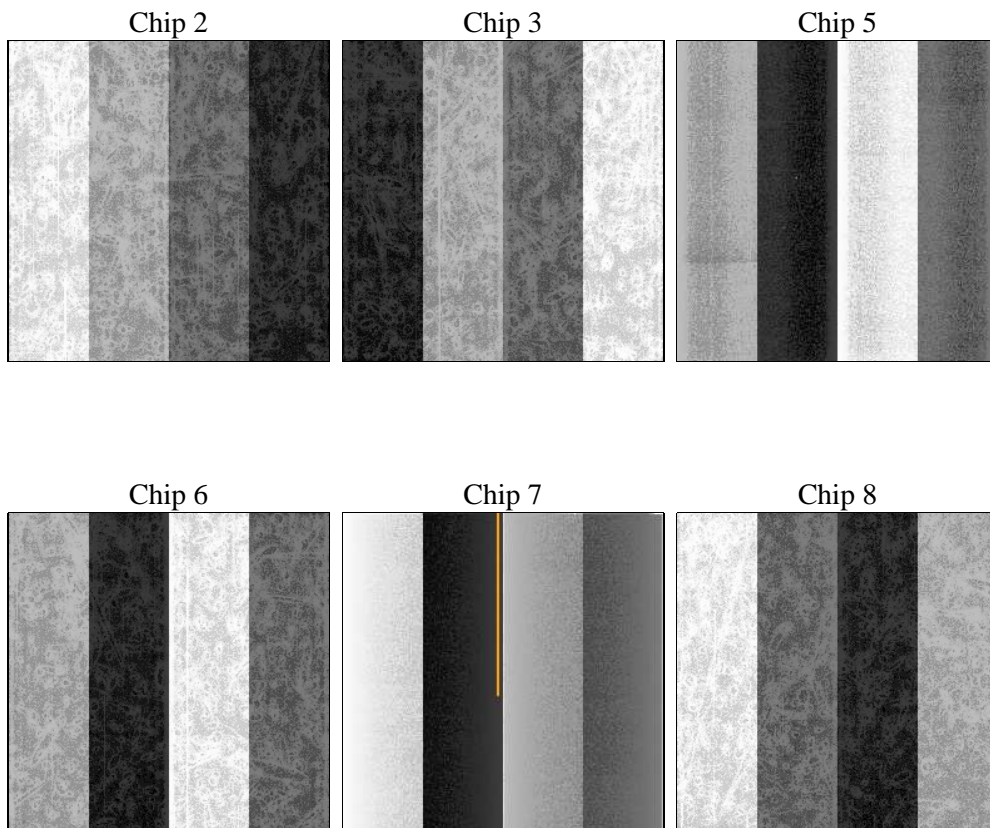
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	12175.999954641	Sum of GTIs [s]
caldsver	4.5.5	 	ontime2	12175.999954641	Sum of GTIs [s]
date	2012-12-25T22:04:43	Date and time of file creation	ontime3	12175.999954641	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	12175.999954641	Sum of GTIs [s]
			ontime6	12175.999954641	Sum of GTIs [s]
			ontime7	12175.999954641	Sum of GTIs [s]
			ontime8	12175.999954641	Sum of GTIs [s]
			l1events	728028	Number of level 1 events

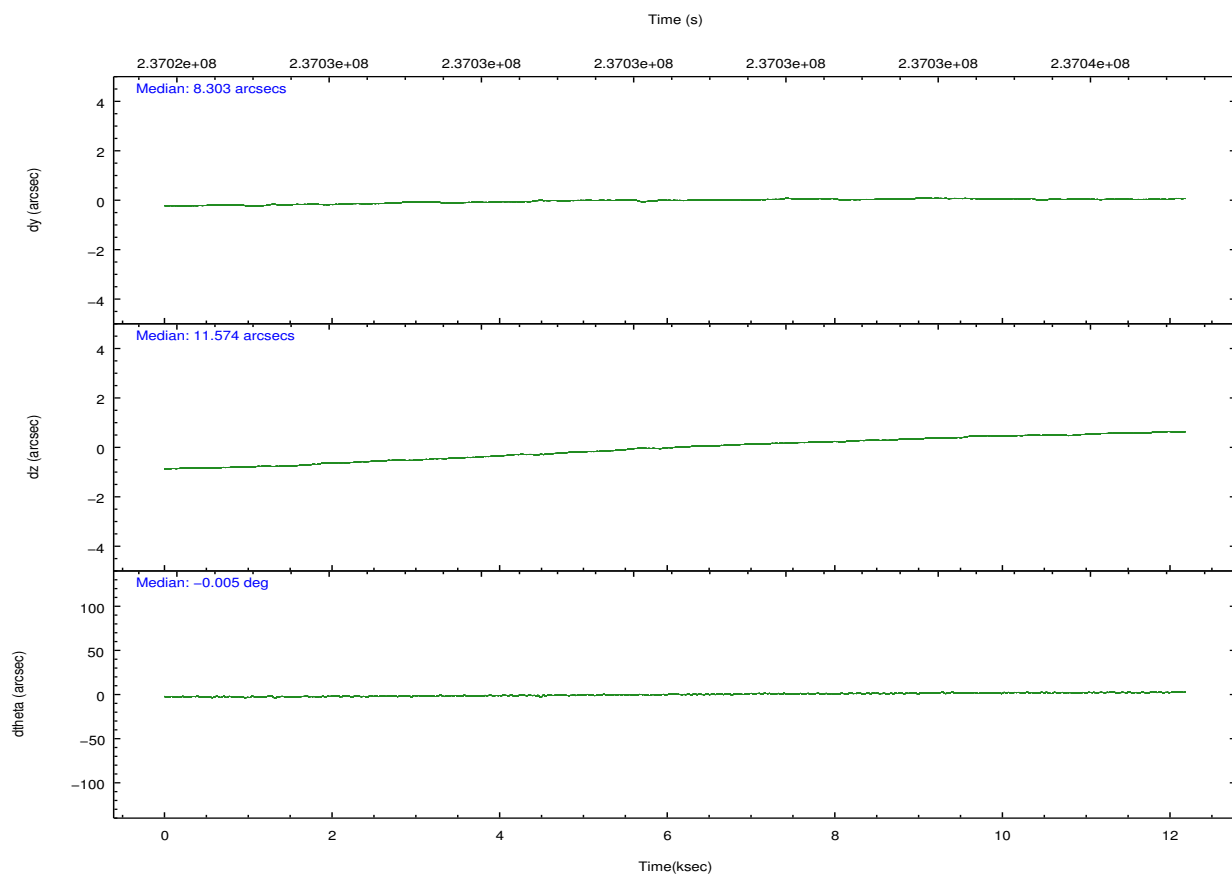
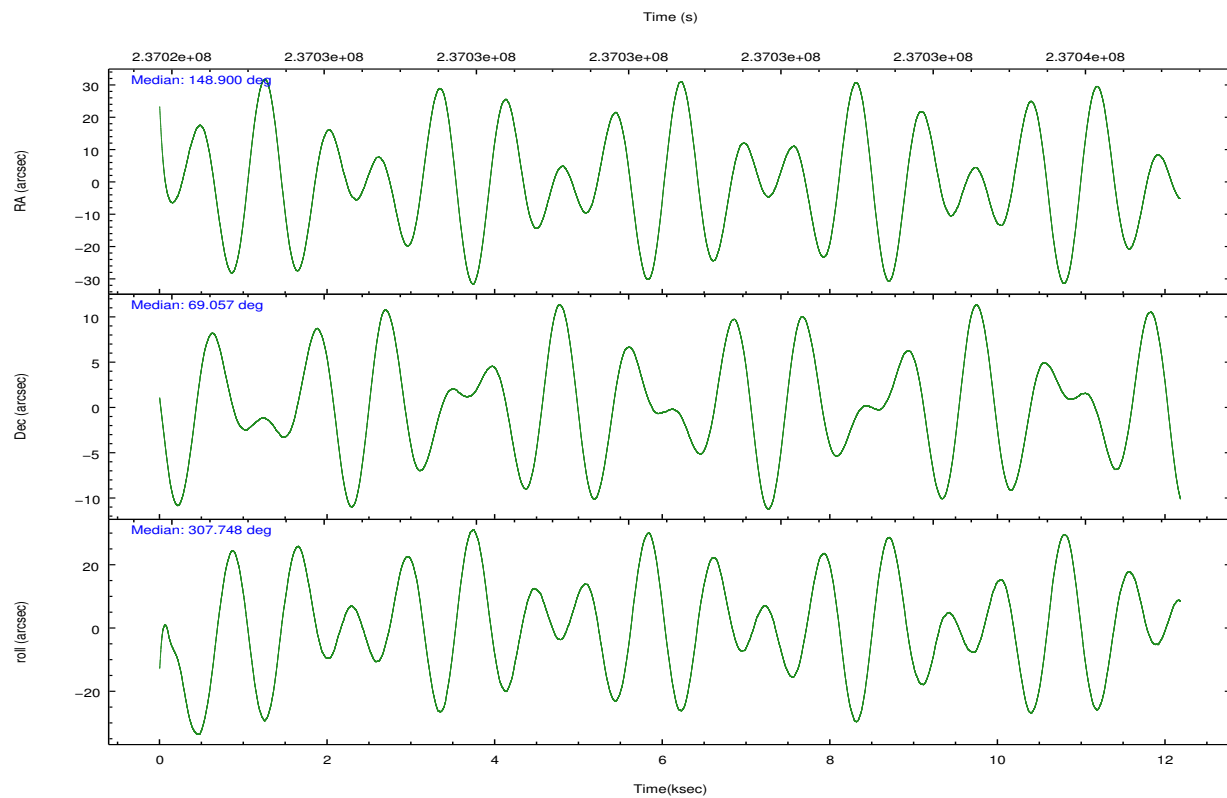
2.1.4 Events

	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	100509	96288	154358	103257	147278	126338	grade 0 events	5339	4971	9937	6164	7448	8245
rejected events	88924	85066	83493	89702	83499	99756		5%	5%	6%	5%	5%	6%
rejected %	88%	88%	54%	86%	56%	78%	grade 1 events	67	64	1159	76	254	89
								0%	0%	0%	0%	0%	0%
							grade 2 events	2374	2253	20680	2785	13402	6162
								2%	2%	13%	2%	9%	4%
							grade 3 events	1081	1109	2576	1220	5992	2904
								1%	1%	1%	1%	4%	2%
							grade 4 events	1082	1077	2601	1193	5788	2641
								1%	1%	1%	1%	3%	2%
							grade 5 events	3784	4537	10815	4619	13517	6183
								3%	4%	7%	4%	9%	4%
							grade 6 events	1930	2011	36525	2450	32474	7158
								1%	2%	23%	2%	22%	5%
							grade 7 events	84852	80266	70065	84750	68403	92956
								84%	83%	45%	82%	46%	73%

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	148.829968	148.900933401992	Subarray requested	NONE	NONE
[deg] Pointing Dec	69.066696	69.05671442201675	Alternating exposures requested	N	N
[deg] Pointing Roll	307.662297	307.7526477829305	[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)	237024633.184000	237023443.14301			
Observation start date	2005-07-06T08:09:29	2005-07-06T07:50:43			
[s] Observation end time (MET)	237036633.184000	237036966.99363			
Observation end date	2005-07-06T11:29:29	2005-07-06T11:36:06			
Read mode	TIMED	TIMED			

2.3 Aspect

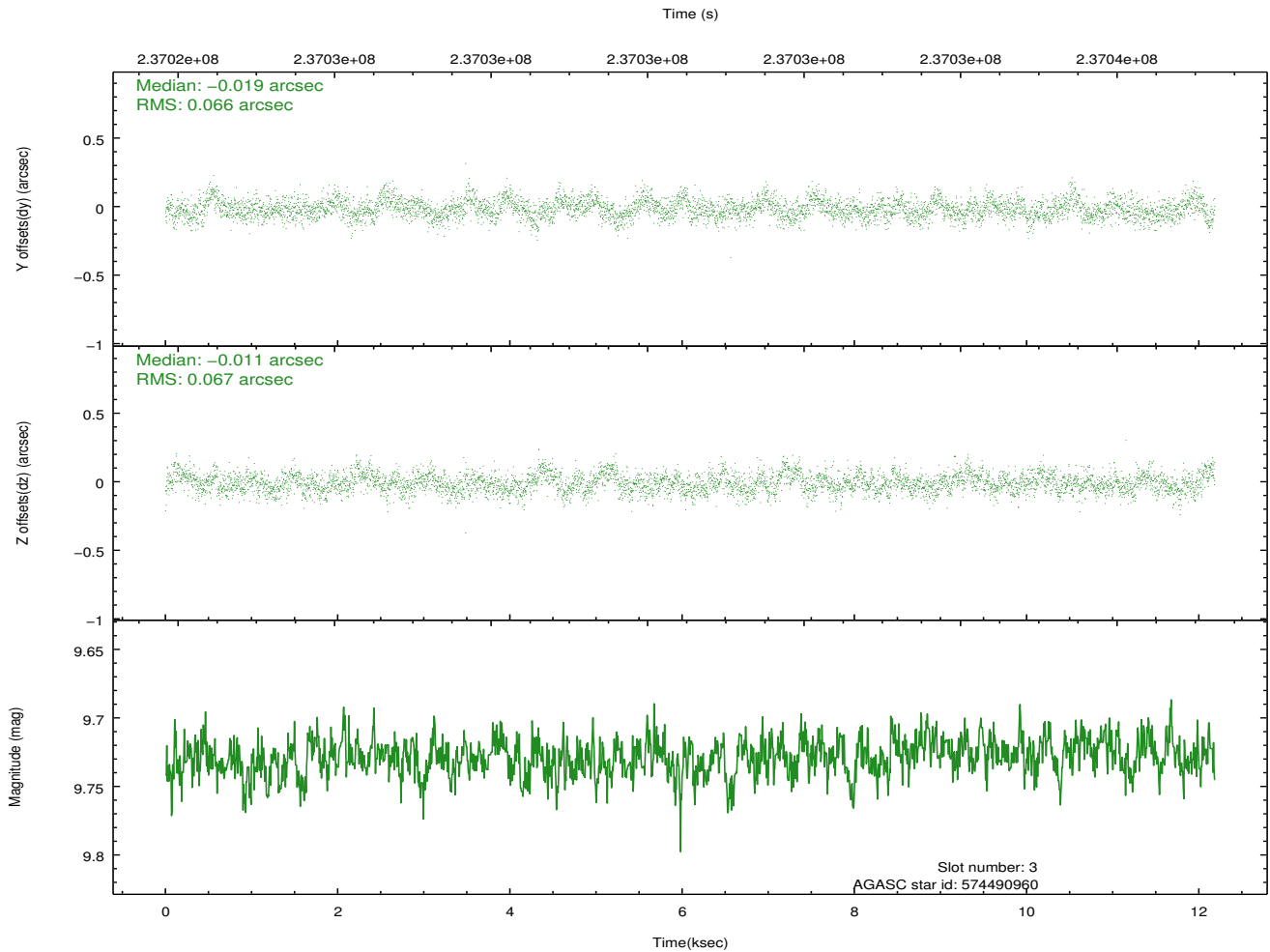
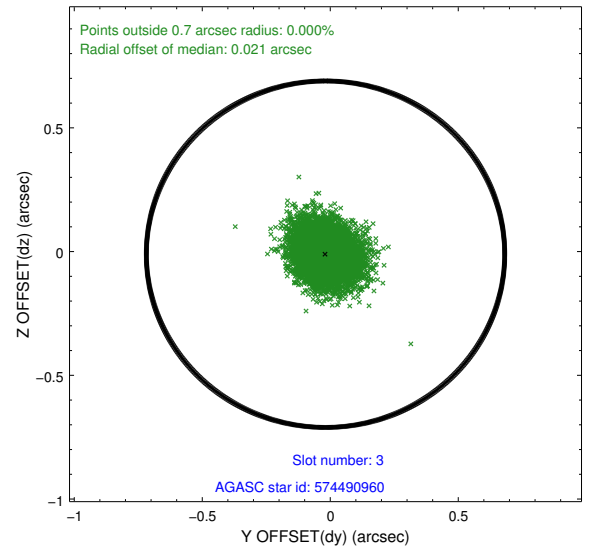
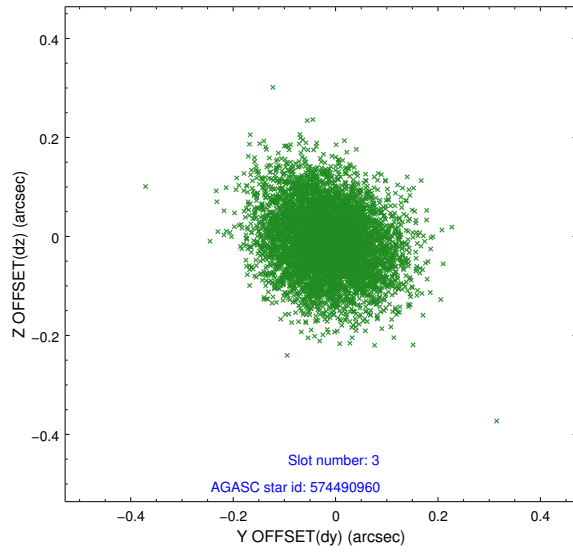


Slot Statistics

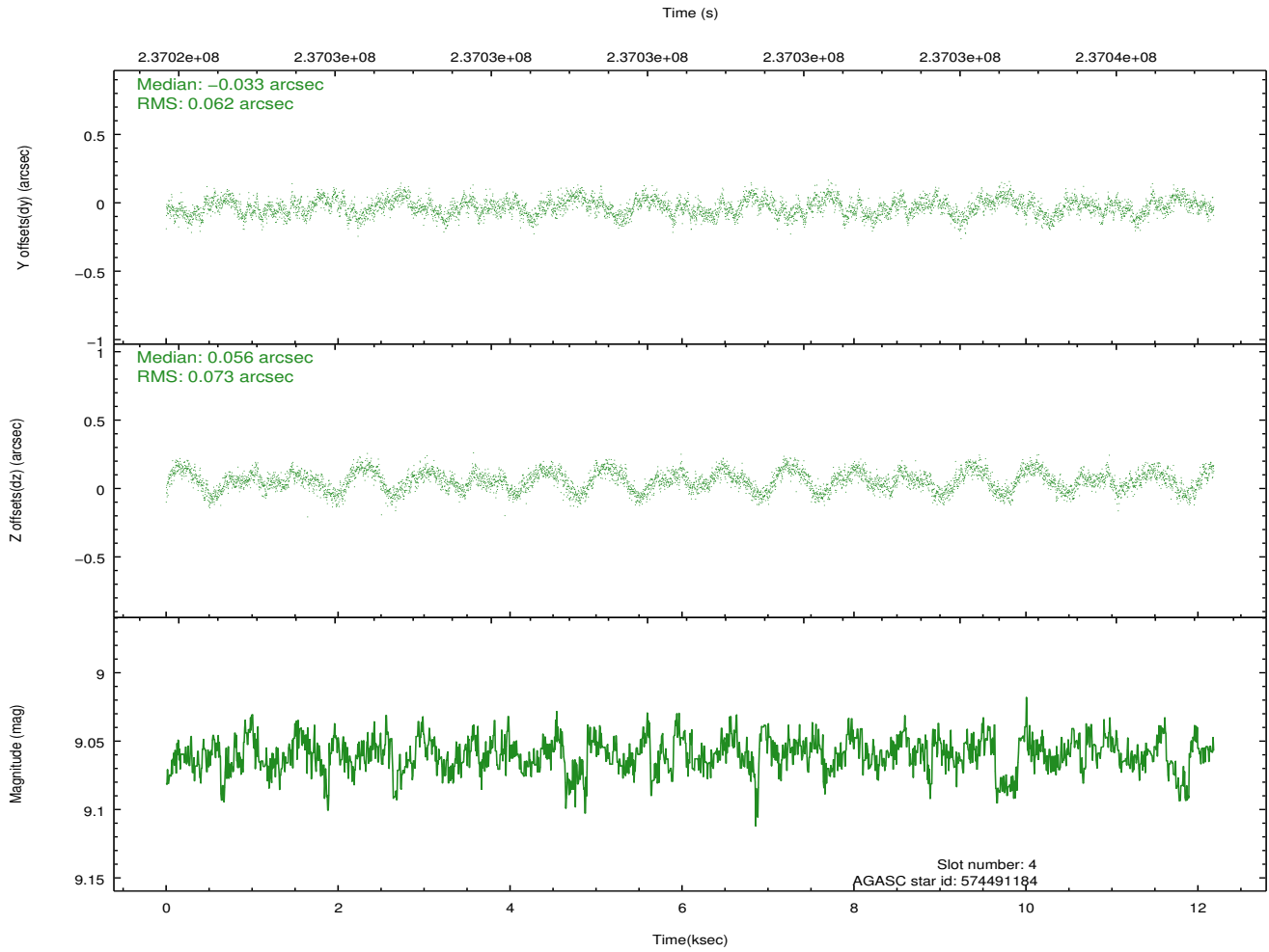
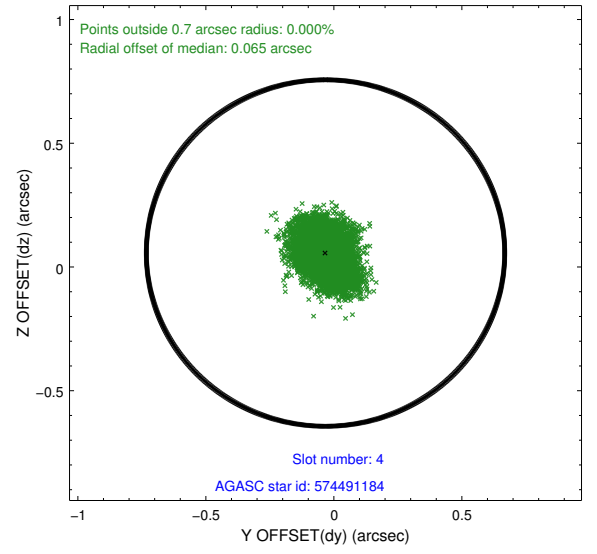
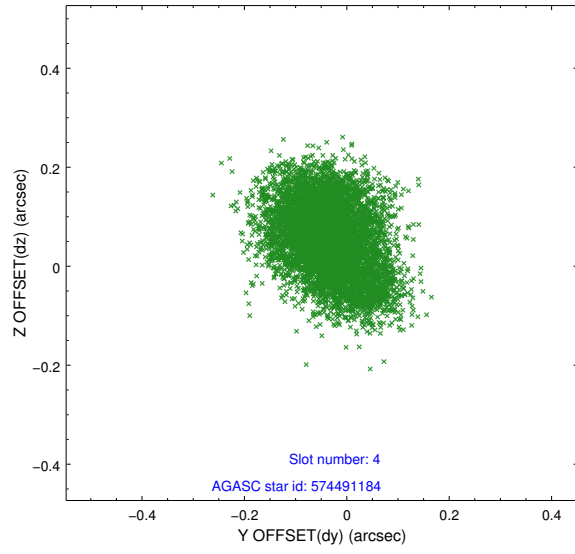
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	2972	-0.024	-0.020	0.016	0.024	0.000000	0.000000	-761.06	-1732.82
1	FID	ACIS-S-4	7.20	2972	0.109	0.018	0.009	0.015	0.000000	0.000000	2152.15	175.30
2	FID	ACIS-S-5	7.23	2971	-0.115	0.011	0.015	0.023	0.000000	0.000000	-1813.49	169.39
3	GUIDE	574490960	9.73	5940	-0.019	-0.011	0.100	0.162	148.185918	69.658768	-2182.83	667.04
4	GUIDE	574491184	9.06	5940	-0.033	0.056	0.104	0.161	148.582453	69.768699	-2189.60	1301.12
5	GUIDE	574491280	9.32	5939	-0.061	-0.030	0.130	0.212	148.611567	69.450135	-1261.91	624.95
6	GUIDE	574489568	9.78	5934	0.002	0.066	0.124	0.197	147.223974	69.438157	-2320.08	-773.52
7	GUIDE	574490584	9.54	5931	0.102	-0.065	0.126	0.198	148.421828	68.168920	2223.78	-2405.37

2.4 Star Slots

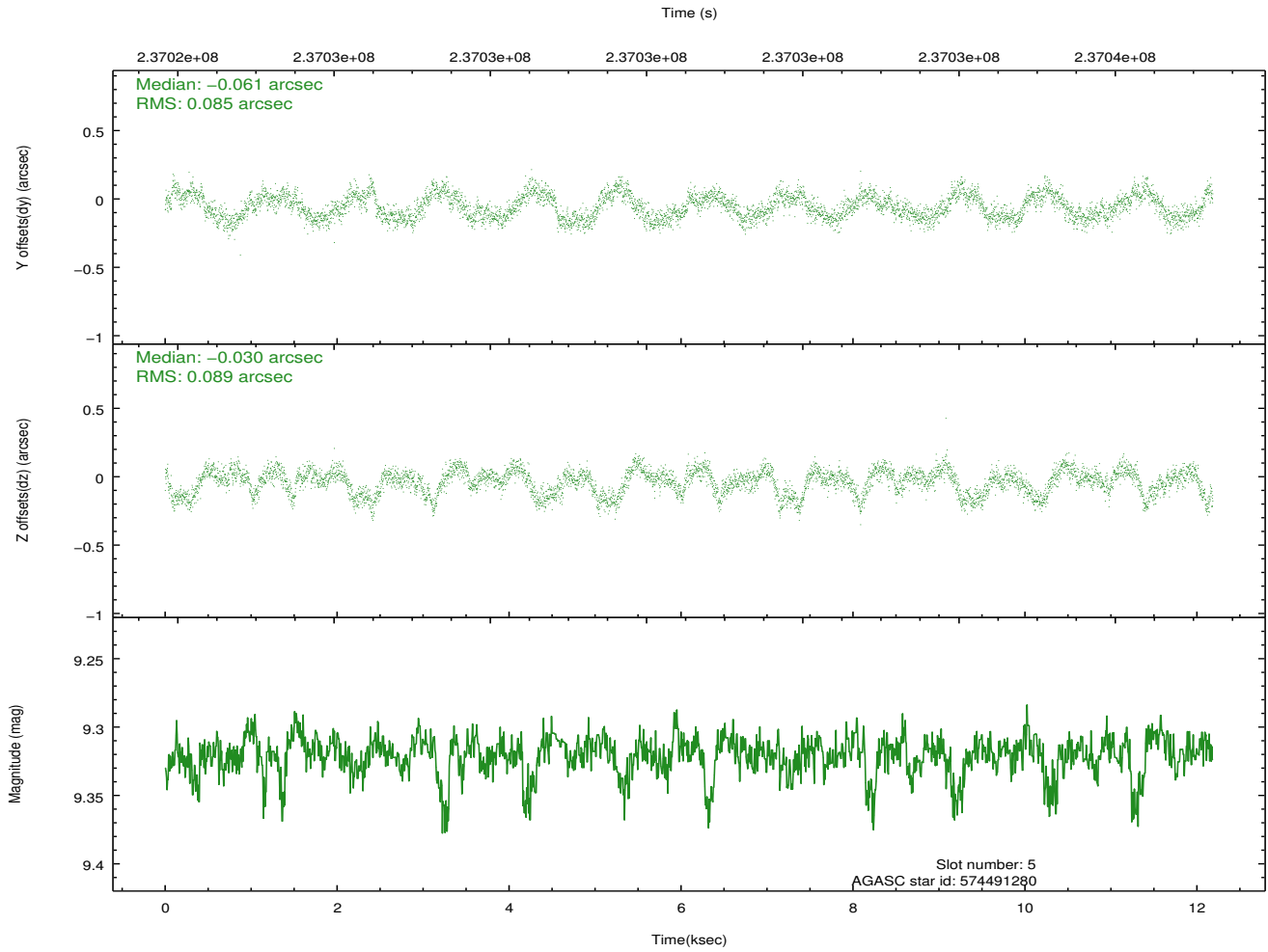
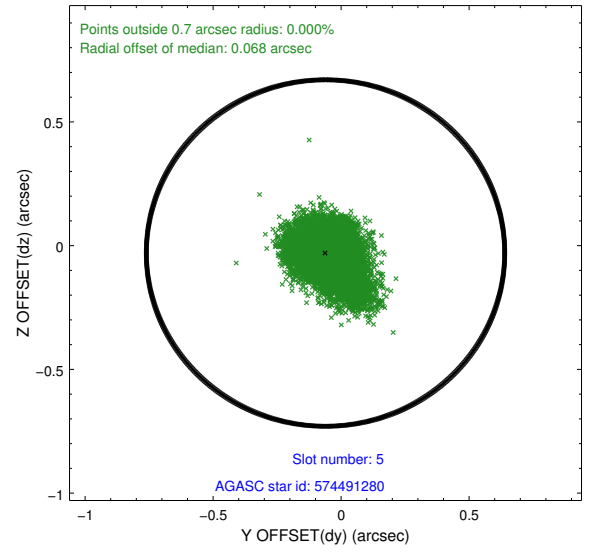
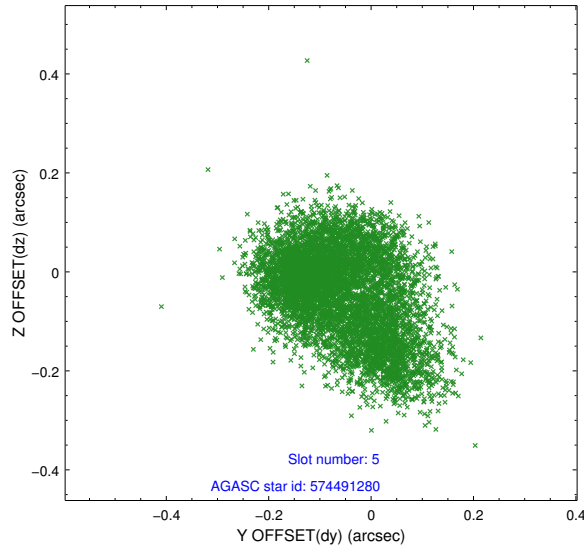
2.4.1 Slot 3



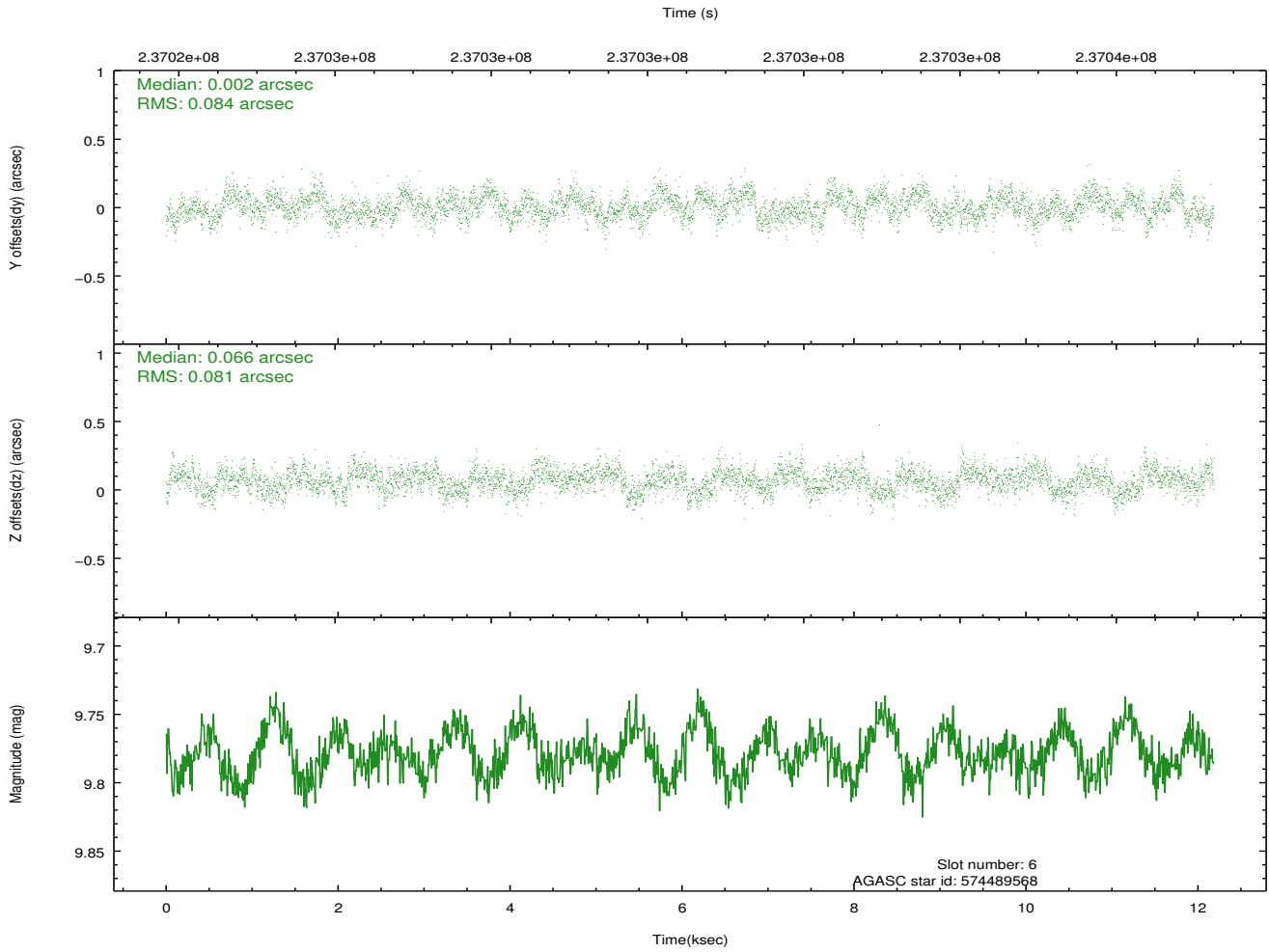
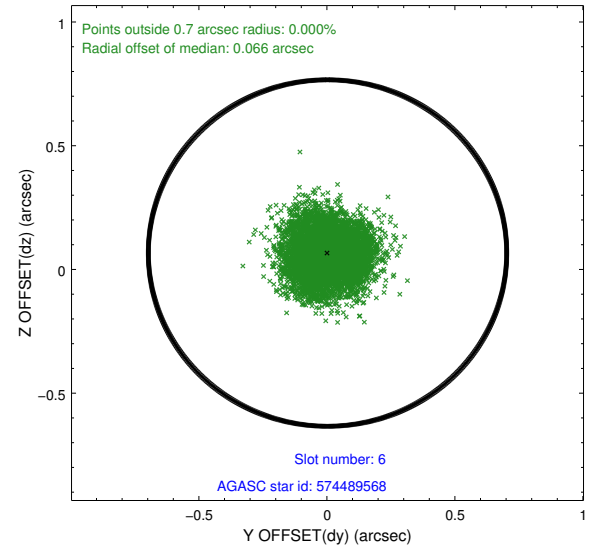
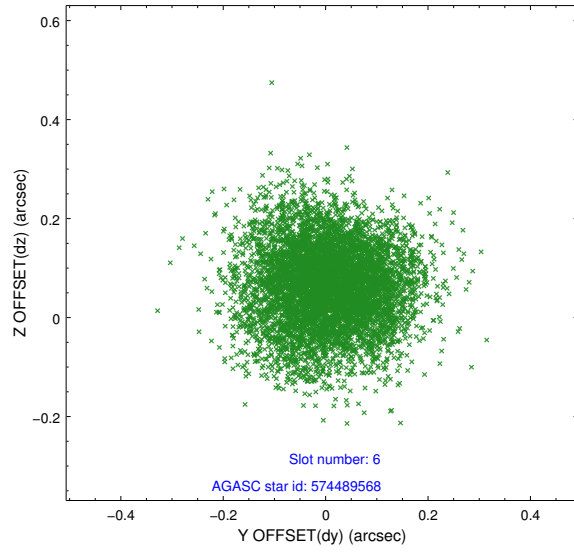
2.4.2 Slot 4



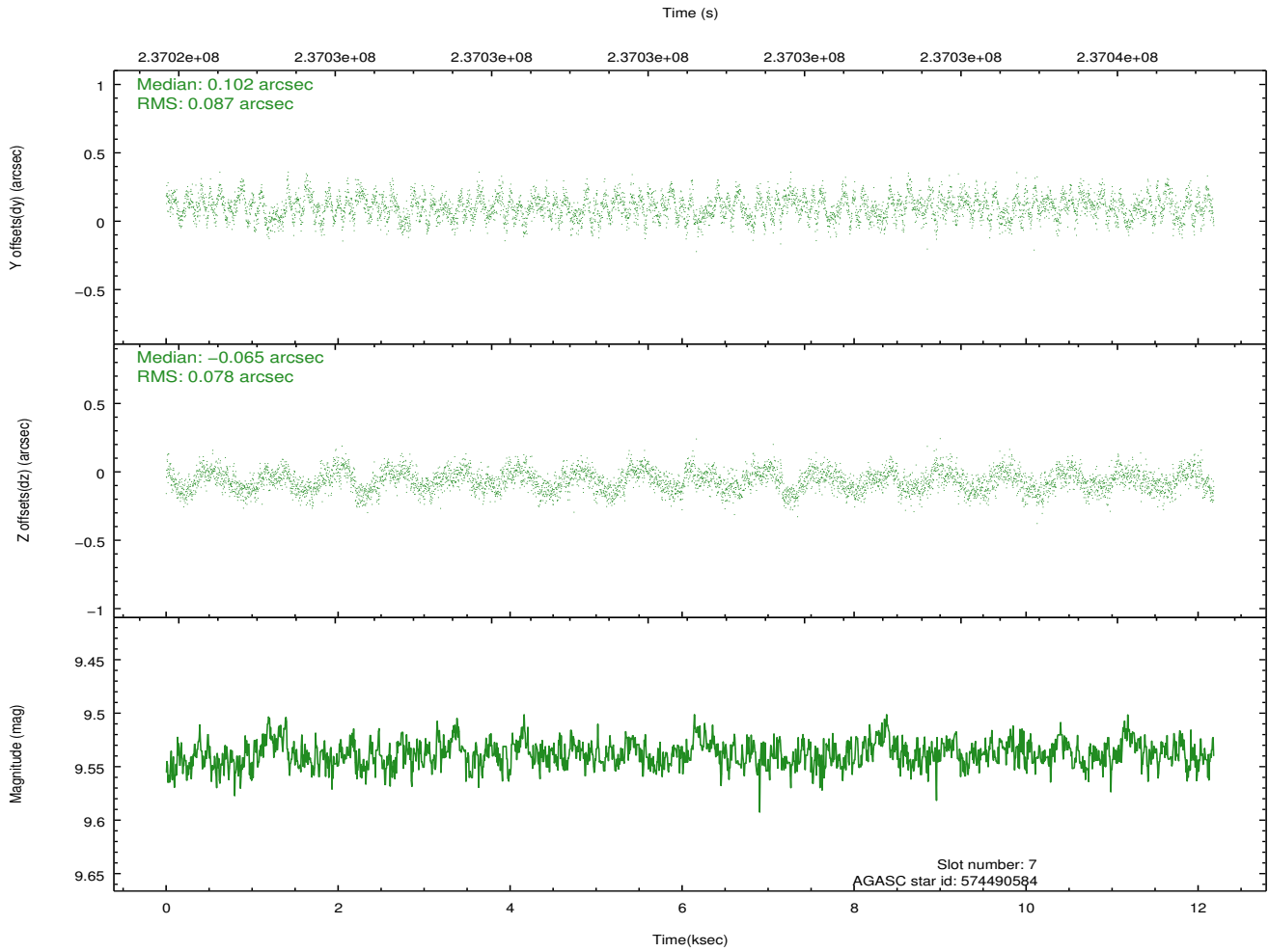
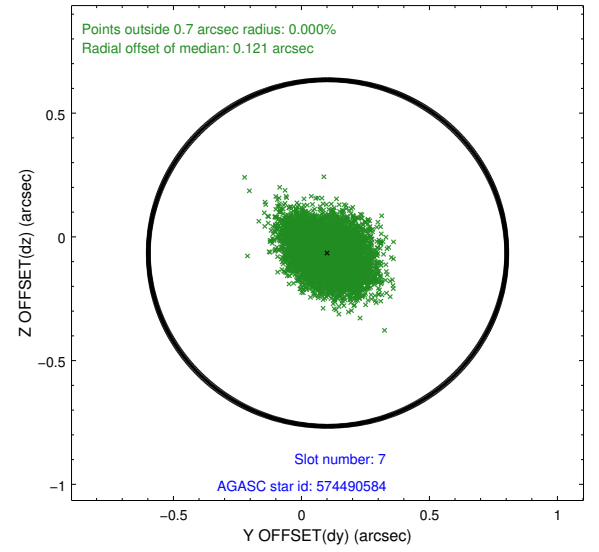
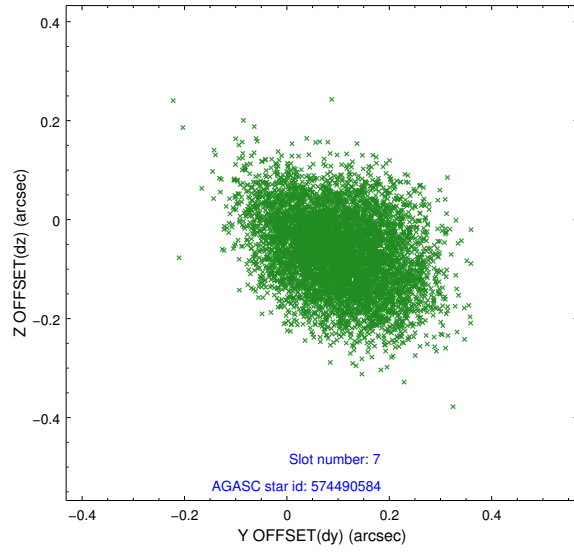
2.4.3 Slot 5



2.4.4 Slot 6

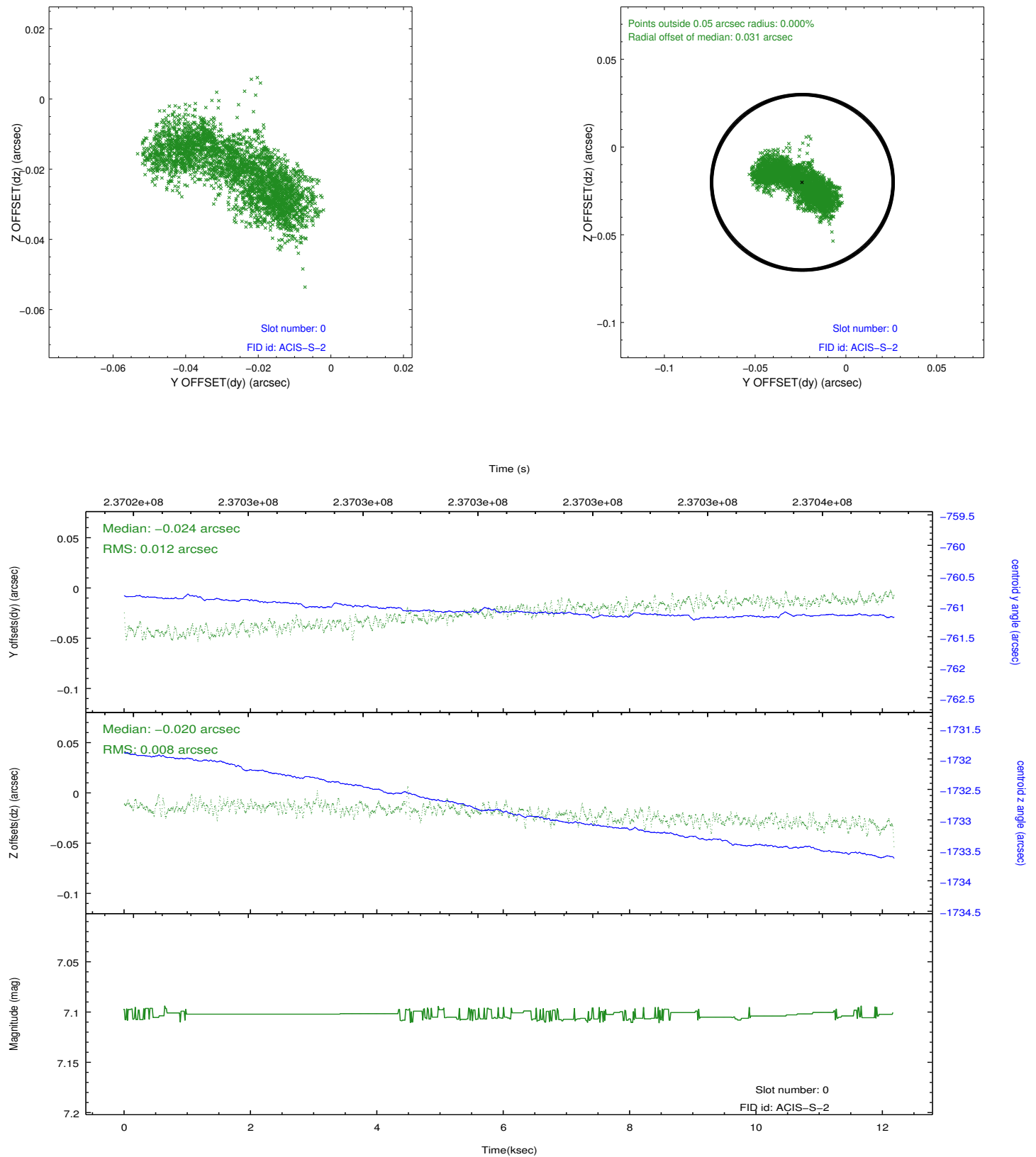


2.4.5 Slot 7

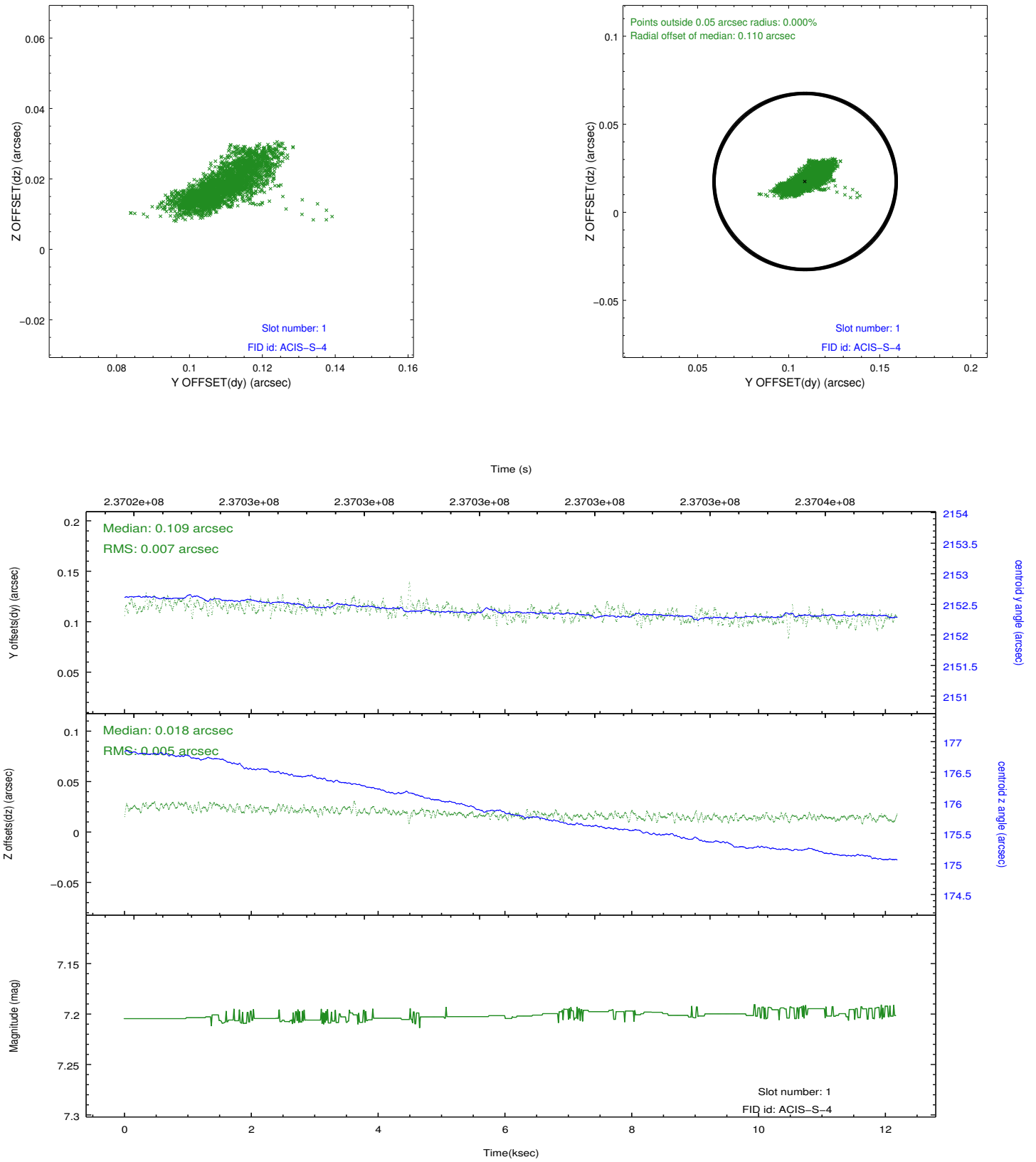


2.5 FID Slots

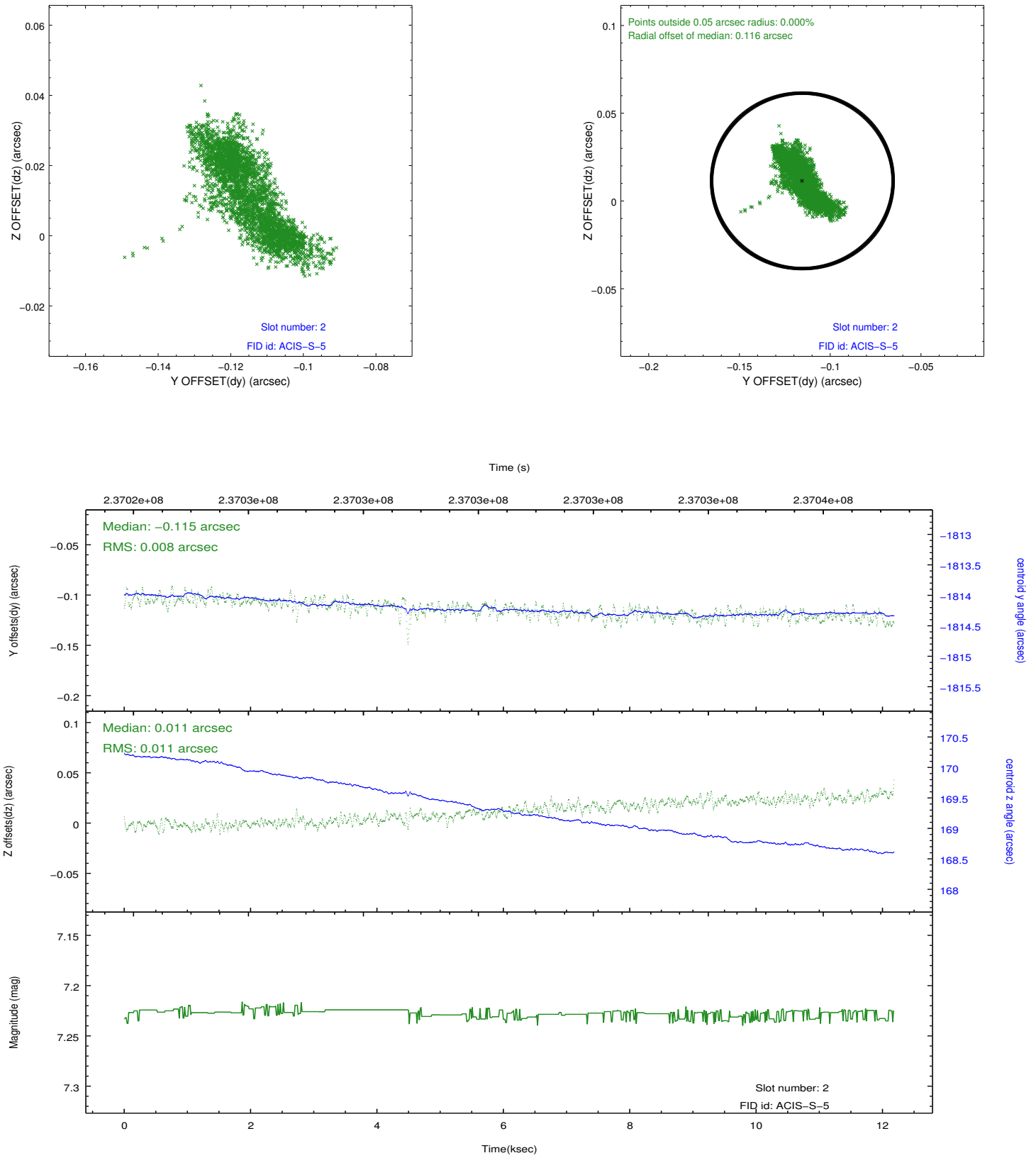
2.5.1 Slot 0



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)	2013.01.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.17599

A.2 Comments

Roll preference not met. Monitor constraint met.