

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10998 - L2 Version 2
Chandra X-Ray Center

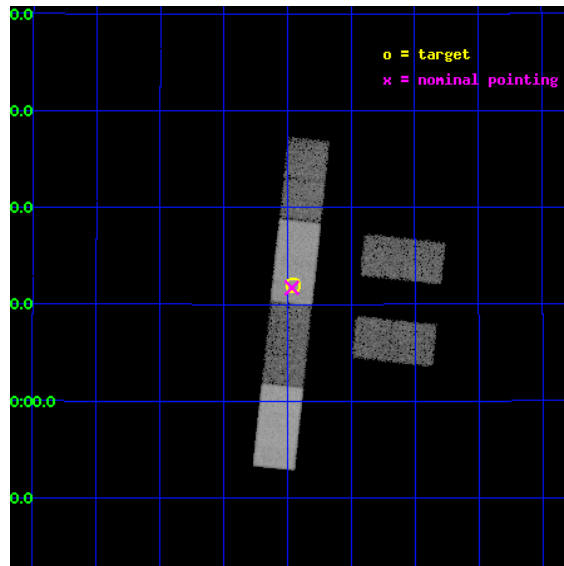
L2 Processing Date : Jun 18 2012

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1 Front

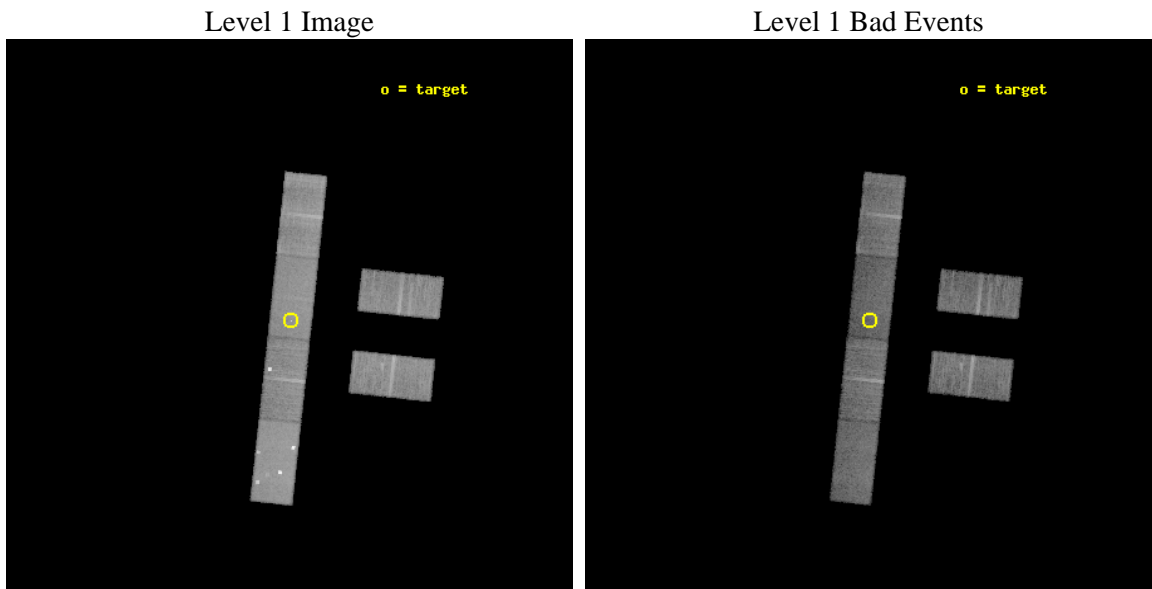
seq_num	200629	Sequence number
obs_id	10998	Observation id
title	NeII as a Tracer for X-Rays in Disks Around T Tauri Stars	Proposal
observer	Prof. Manuel Guedel	Principal investigator
object	IP Tau	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	66.237917	Observer's specified target RA [deg]
dec_targ	27.198972	Observer's specified target Dec [deg]
ra_nom	66.241280322934	Nominal RA [deg]
dec_nom	27.195105697243	Nominal Dec [deg]
roll_nom	276.15510562149	Nominal Roll [deg]
revision	2	Processing version of data
ontime	16889.400111794	Sum of GTIs [s]
livetime	16512.905858227	Livetime [s]
ontime2	16887.559061408	Sum of GTIs [s]
ontime3	16889.400111794	Sum of GTIs [s]
ontime5	16889.400111794	Sum of GTIs [s]
ontime6	16889.400111794	Sum of GTIs [s]
ontime7	16889.400111794	Sum of GTIs [s]
ontime8	16889.400111794	Sum of GTIs [s]
l2events	119292	Number of level 2 events



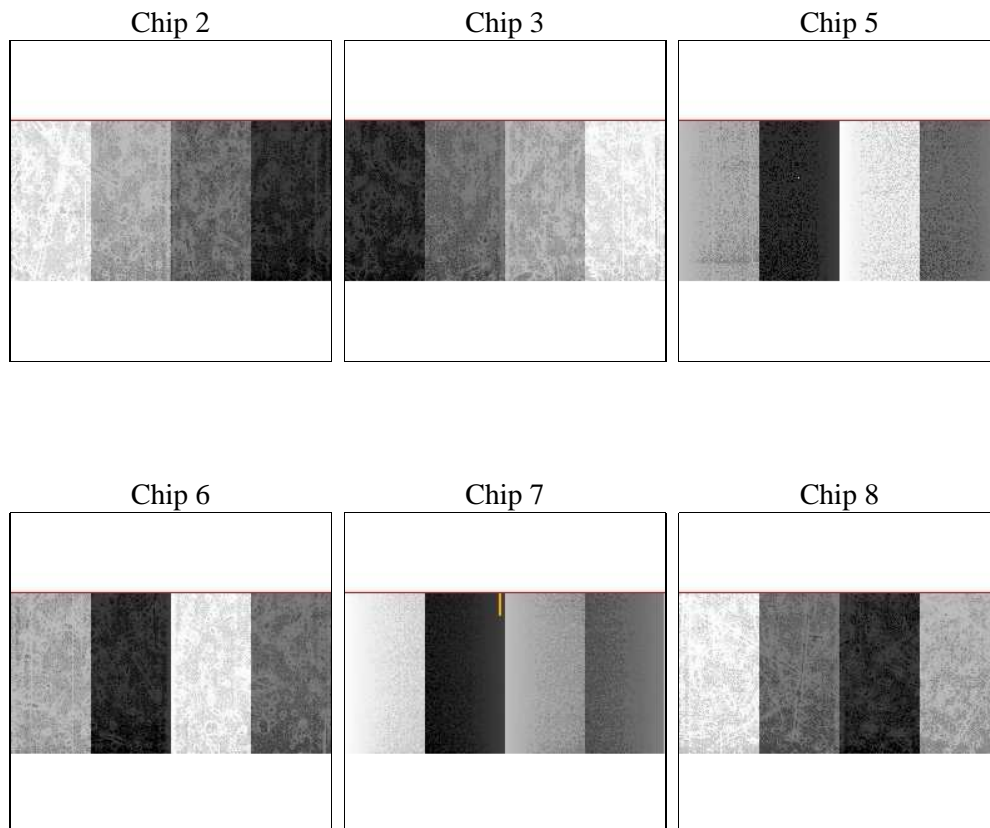
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	16800.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	16889.400111794	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	16887.559061408	Sum of GTIs [s]
date	2012-06-18T19:43:31	Date and time of file creation	ontime3	16889.400111794	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	16889.400111794	Sum of GTIs [s]
			ontime6	16889.400111794	Sum of GTIs [s]
			ontime7	16889.400111794	Sum of GTIs [s]
			ontime8	16889.400111794	Sum of GTIs [s]
			l1events	558839	Number of level 1 events

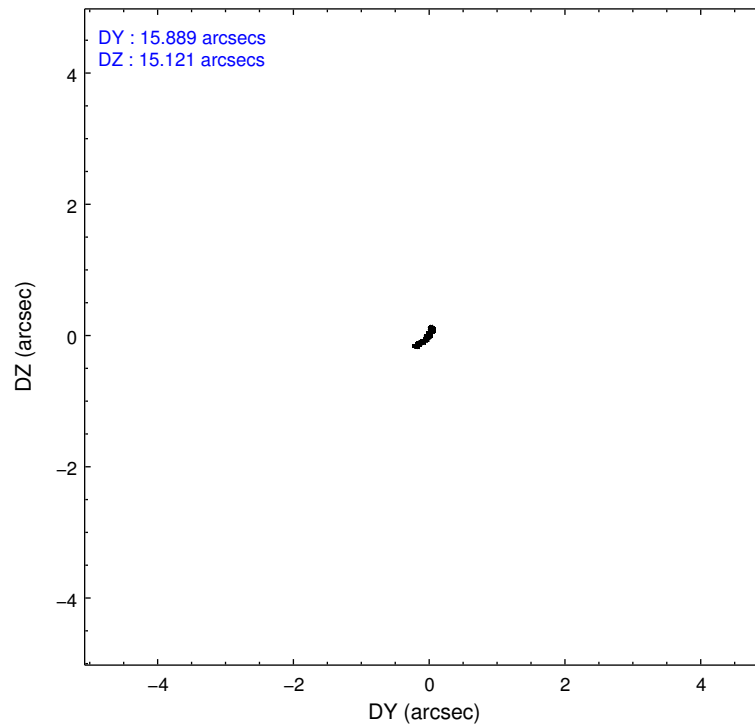
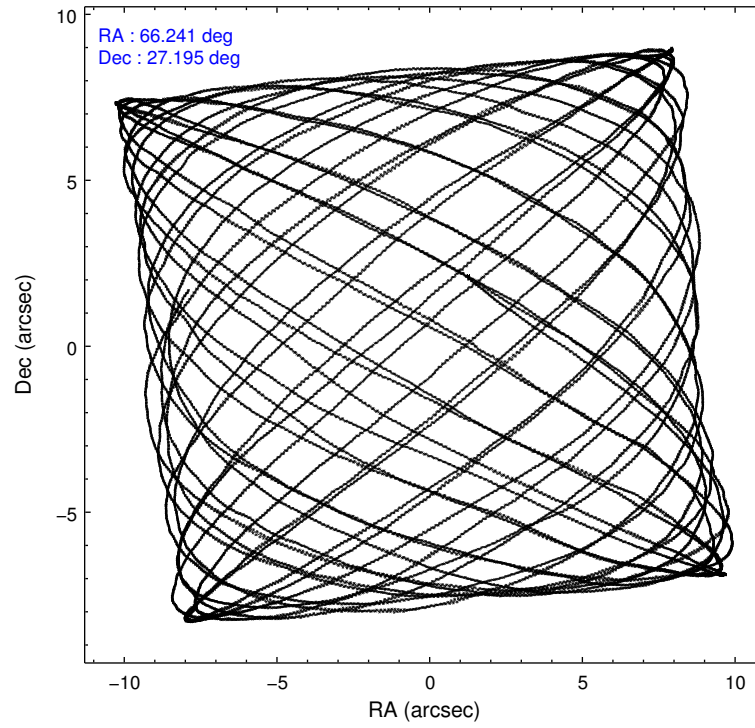
2.1.4 Events

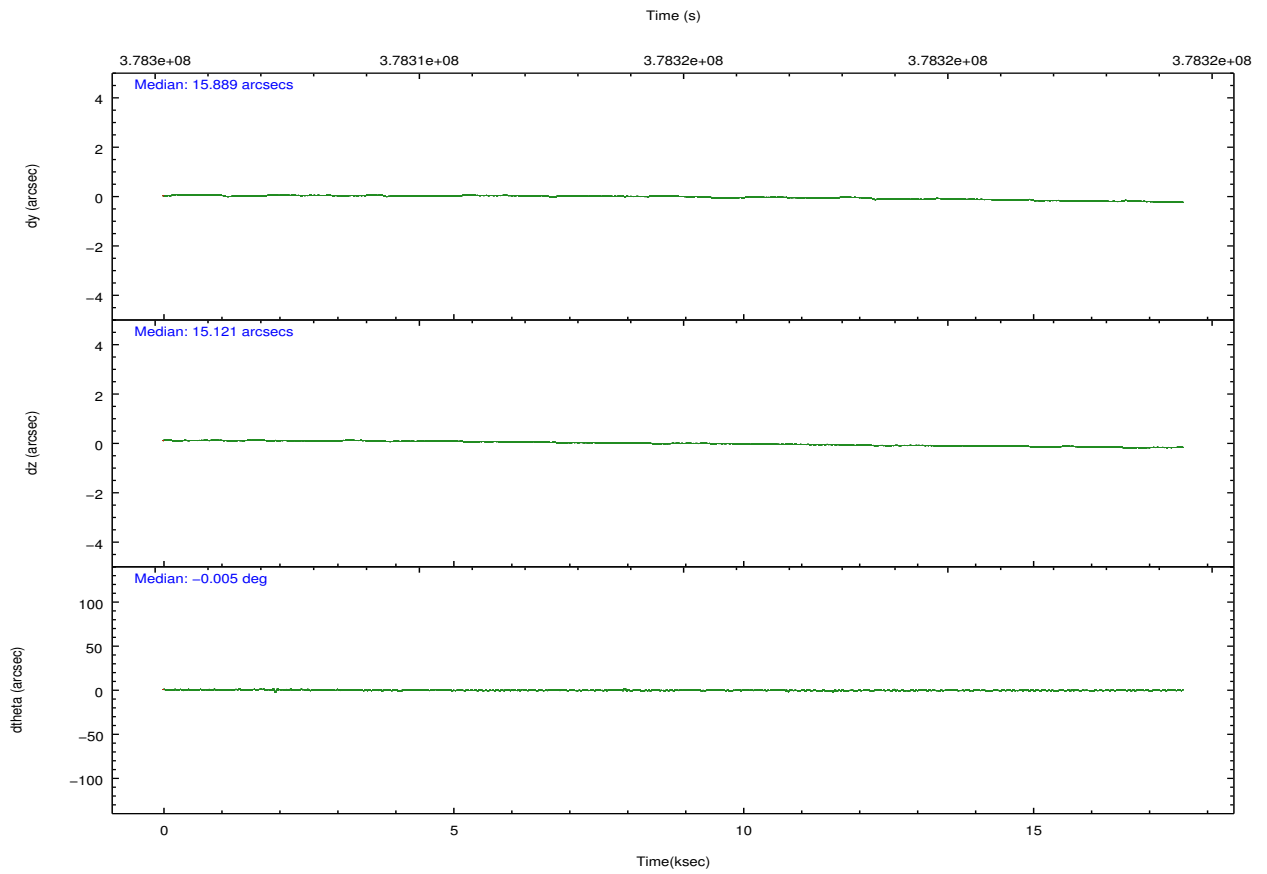
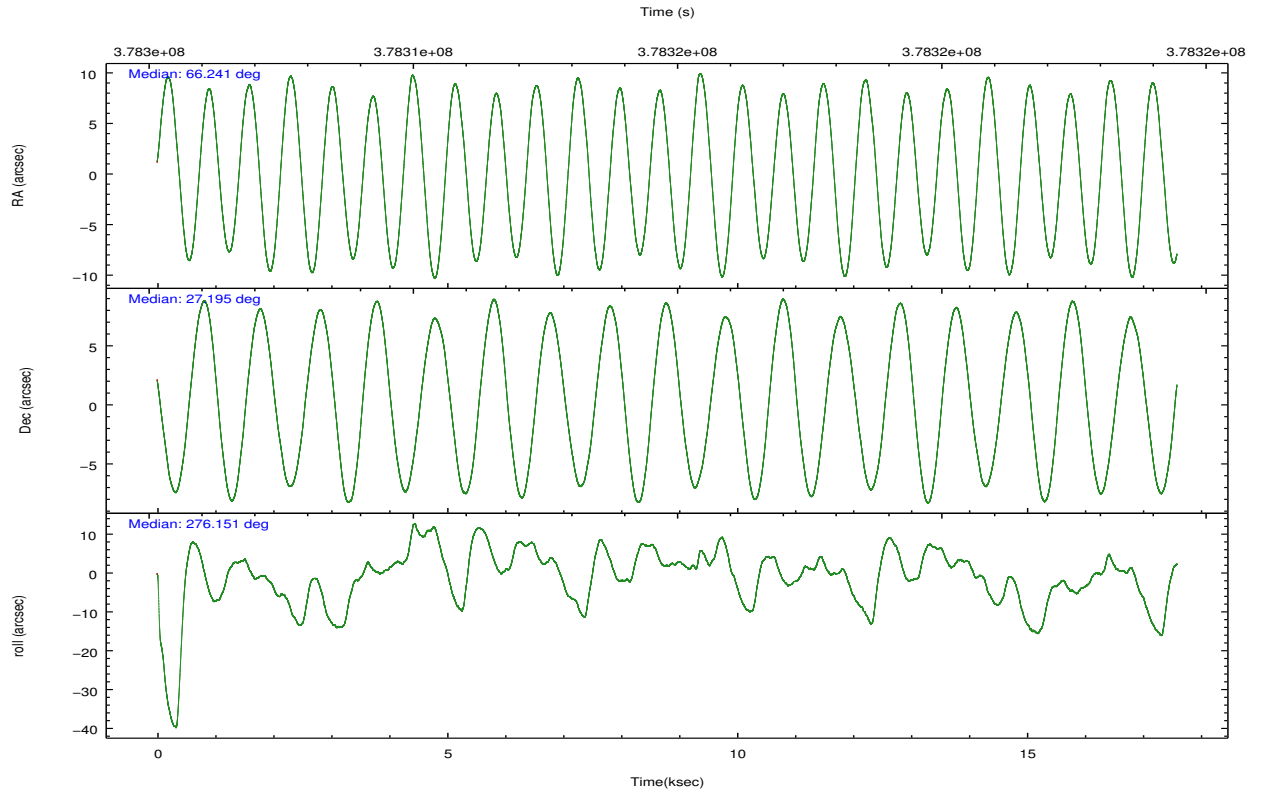
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	84375	76078	128631	83244	88053	98458	grade 0 events	2709	2493	24427	9535	4097	6973
rejected events	76288	68303	54778	68059	46719	73908		3%	3%	18%	11%	4%	7%
rejected %	90%	89%	42%	81%	53%	75%	grade 1 events	30	42	310	50	122	63
								0%	0%	0%	0%	0%	0%
							grade 2 events	1920	1614	16933	1718	8621	5706
								2%	2%	13%	2%	9%	5%
							grade 3 events	956	1057	2632	1069	4212	2806
								1%	1%	2%	1%	4%	2%
							grade 4 events	942	1067	2558	1066	4069	2574
								1%	1%	1%	1%	4%	2%
							grade 5 events	2796	3066	9081	3158	9205	4391
								3%	4%	7%	3%	10%	4%
							grade 6 events	1564	1544	27315	1799	20339	6492
								1%	2%	21%	2%	23%	6%
							grade 7 events	73458	65195	45375	64849	37388	69453
								87%	85%	35%	77%	42%	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	66.222785	66.24128032293434	CCD I2 on	O1	Y
[deg] Pointing Dec	27.216993	27.19510569724282	CCD I3 on	O2	Y
[deg] Pointing Roll	276.006921	276.1551056214856	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	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	Y	Y
[s] Observation start time (MET)	378306791.184000	378305682.84221	CCD S5 on	N	N
Observation start date	2009-12-27T13:12:05	2009-12-27T12:54:42	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	378323591.184000	378323966.28063	On-chip summing requested	N	N
Observation end date	2009-12-27T17:52:05	2009-12-27T17:59:26	Subarray requested	CUSTOM	1/2
Read mode	TIMED	TIMED	Subarray start row	257	257
			Subarray row count	512	512
			Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	1.8

2.3 Aspect



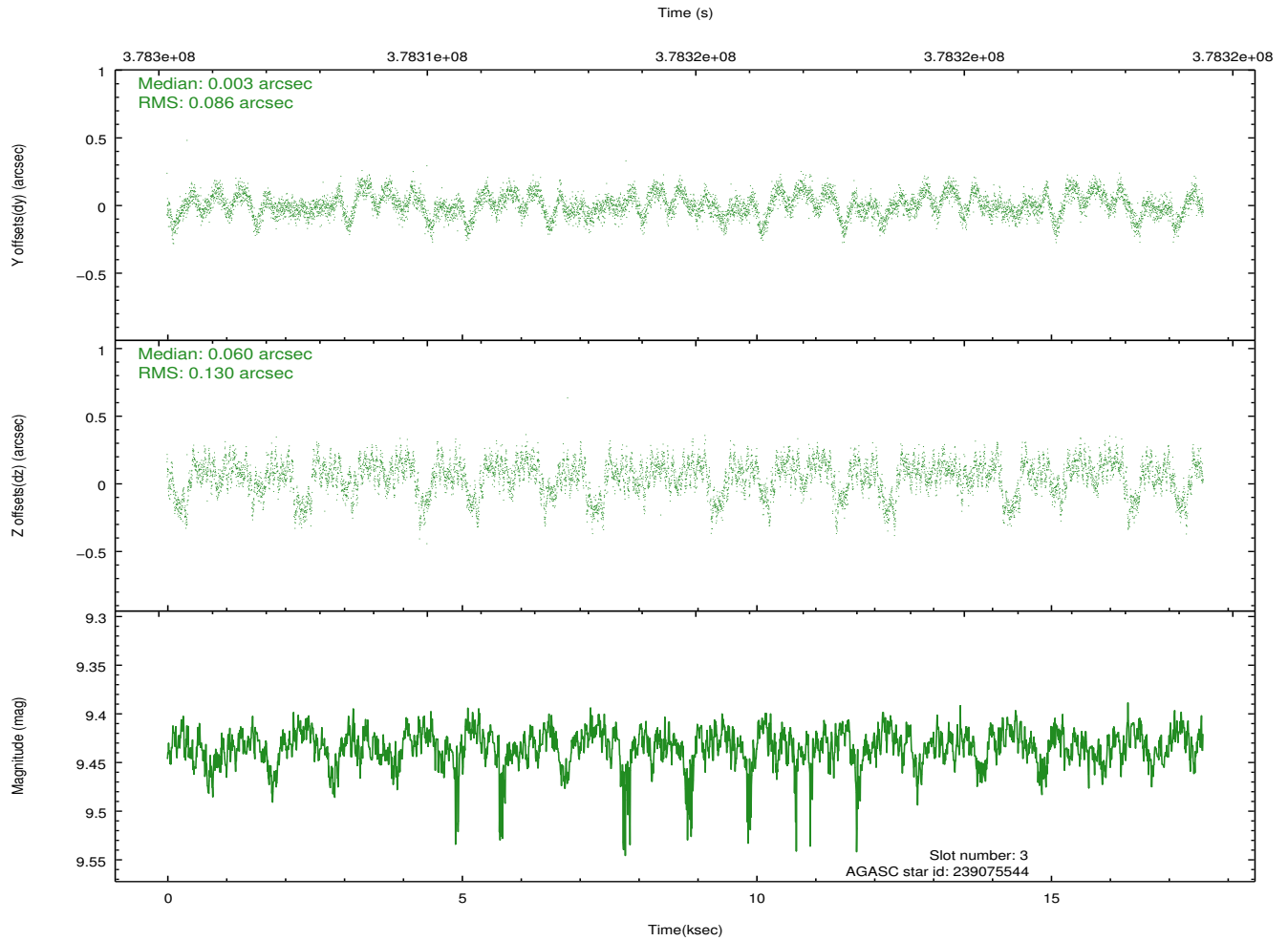
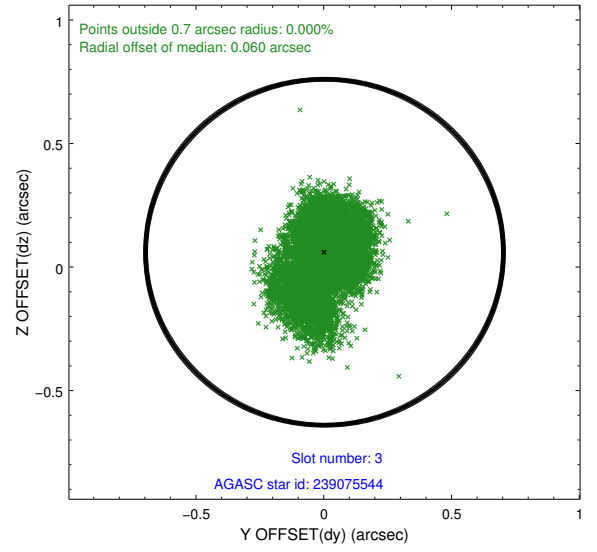
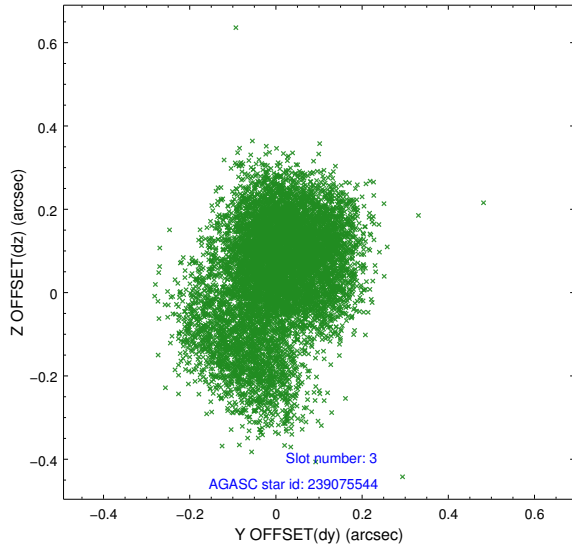


Slot Statistics

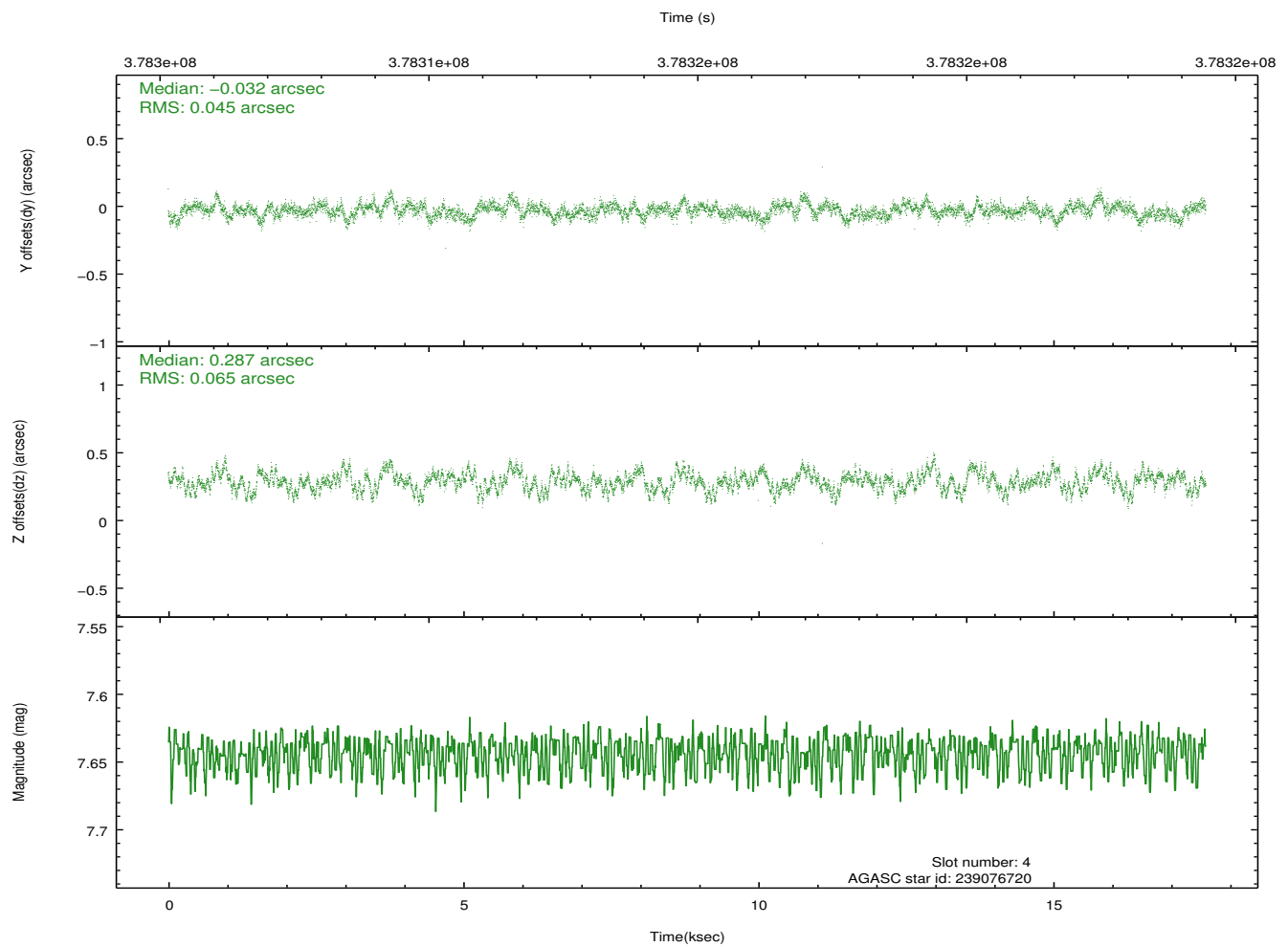
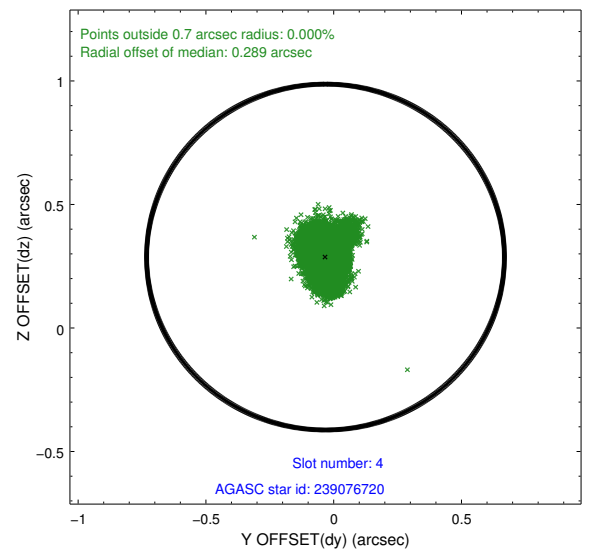
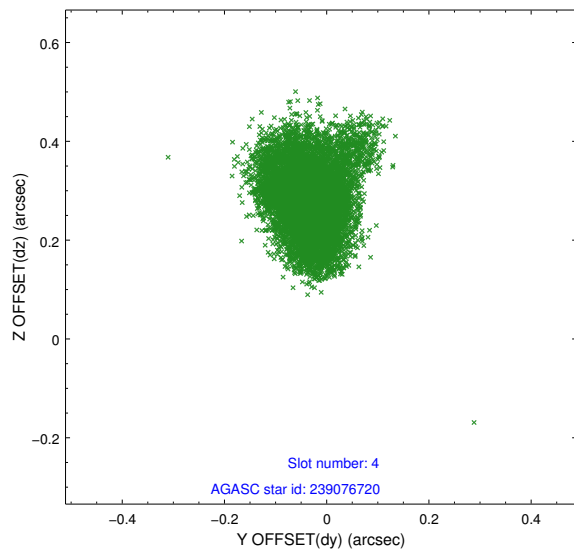
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.95	4291	-0.104	-0.020	0.006	0.011	0.000000	0.000000	-768.92	-1736.53
1	FID	ACIS-S-4	7.03	4291	0.190	0.056	0.006	0.011	0.000000	0.000000	2144.51	171.83
2	FID	ACIS-S-5	7.06	4291	-0.117	-0.026	0.007	0.012	0.000000	0.000000	-1821.50	165.63
3	GUIDE	239075544	9.43	8566	0.003	0.060	0.163	0.278	65.454352	27.284696	-506.63	-2418.52
4	GUIDE	239076720	7.64	8576	-0.032	0.287	0.084	0.140	65.782214	27.230295	-197.27	-1397.04
5	GUIDE	239077568	10.86	8294	-0.194	-0.304	0.349	0.551	66.526515	26.801283	1589.49	814.21
6	GUIDE	239081136	10.04	8568	0.301	-0.020	0.192	0.313	65.934218	27.207584	-62.77	-921.59
7	GUIDE	239083976	9.13	8571	-0.082	-0.034	0.115	0.183	66.578782	27.845142	-2131.59	1363.89

2.4 Star Slots

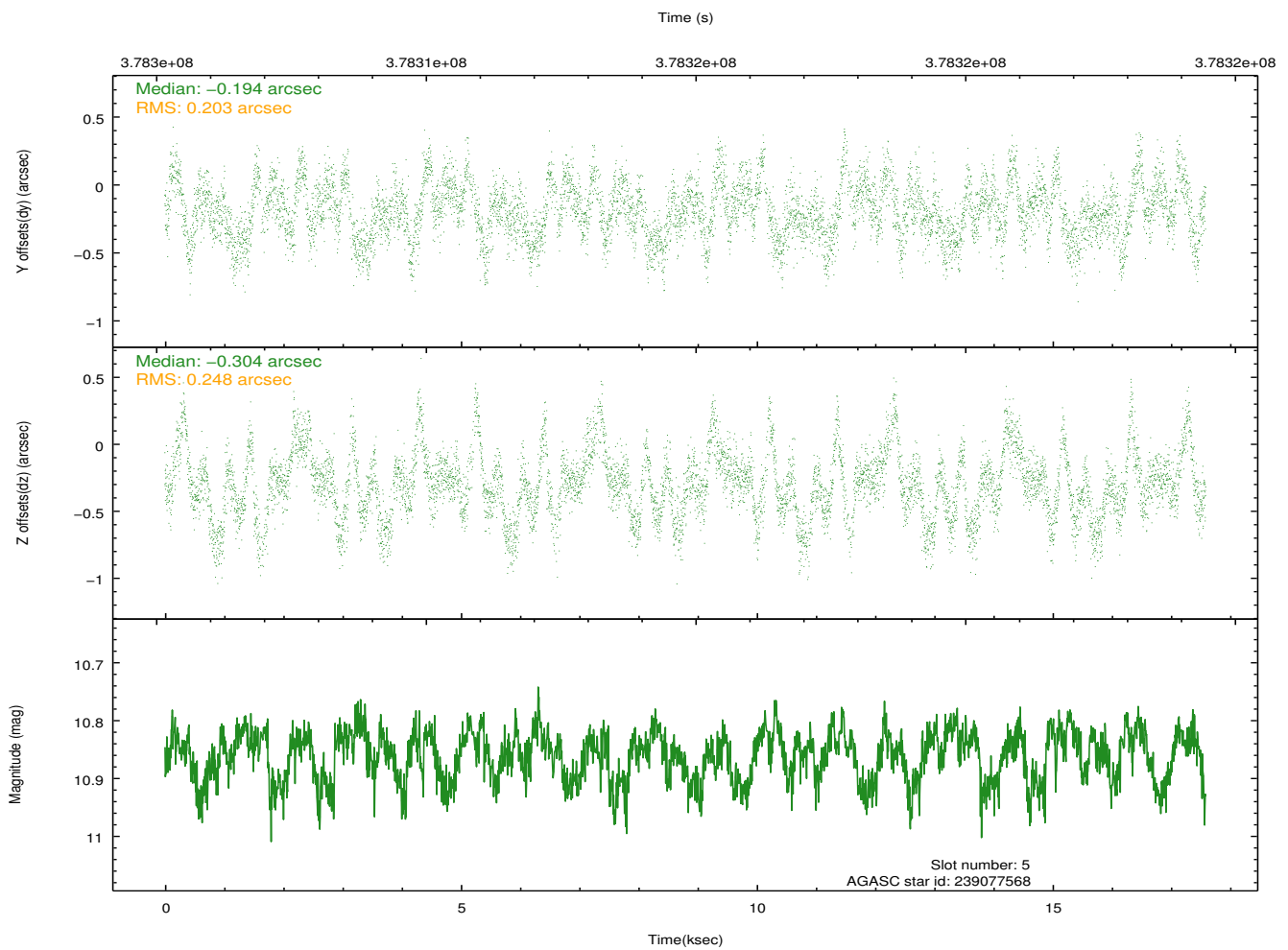
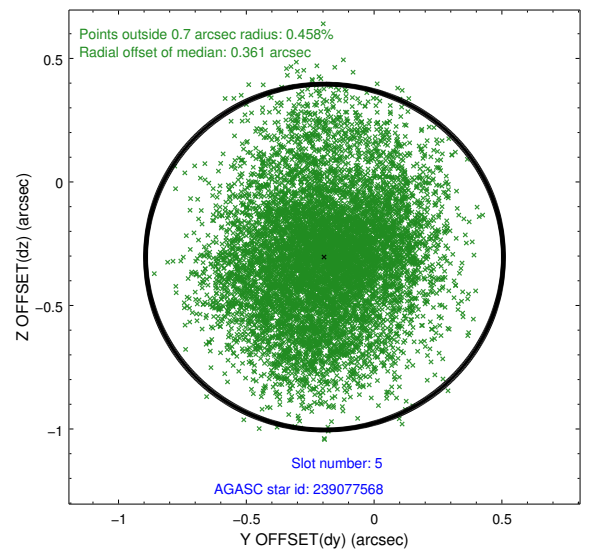
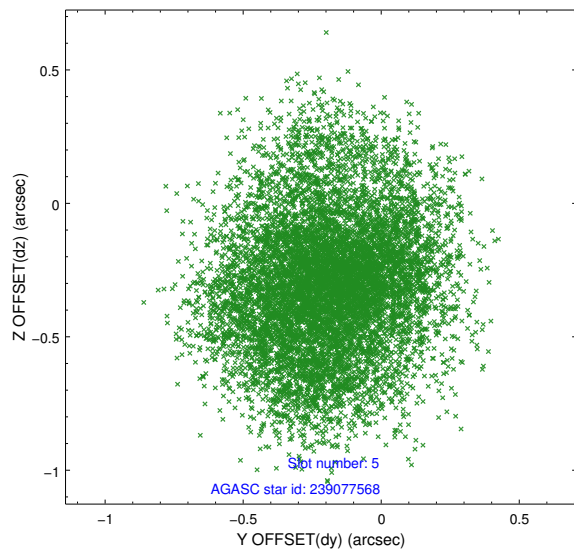
2.4.1 Slot 3



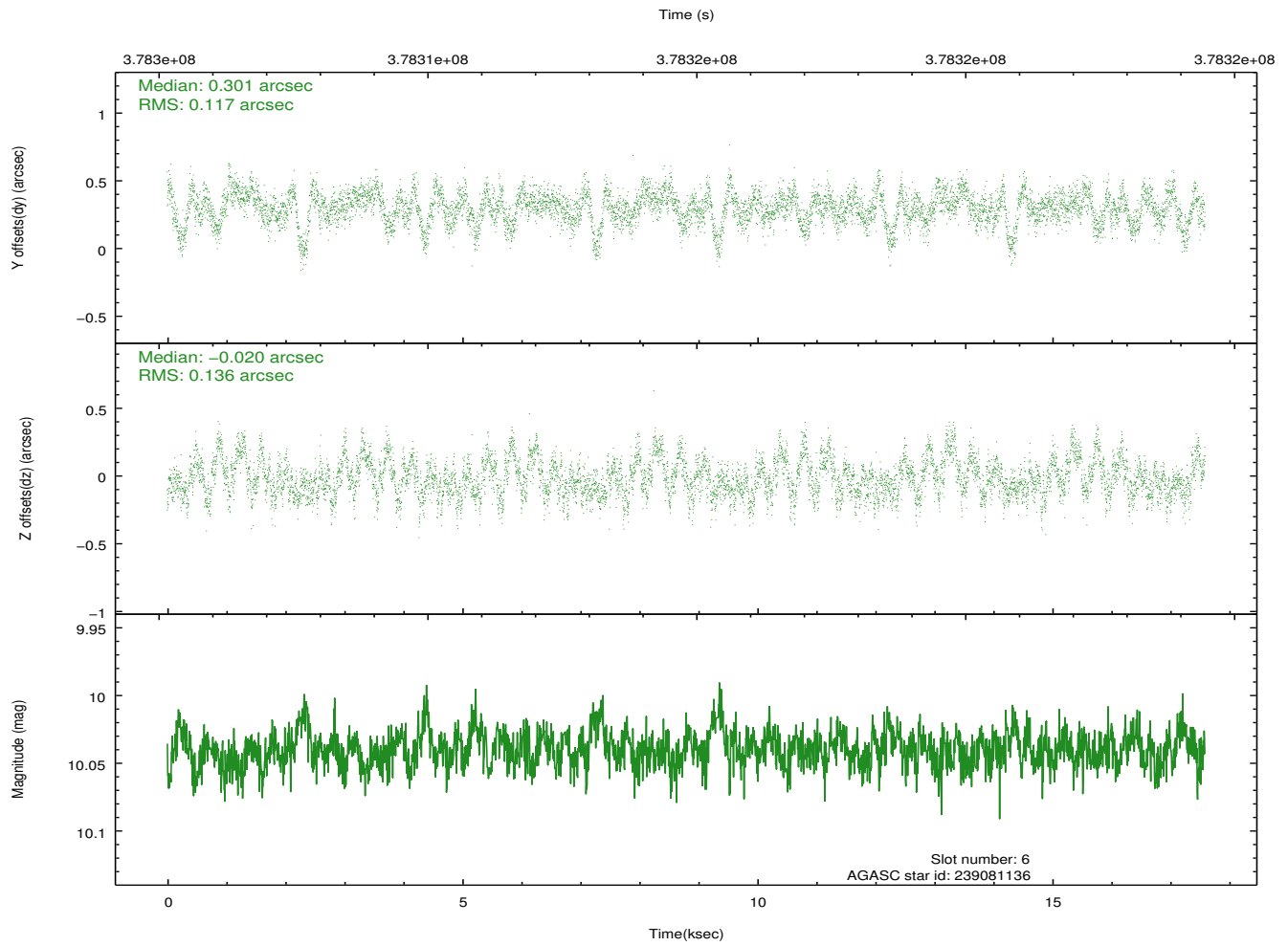
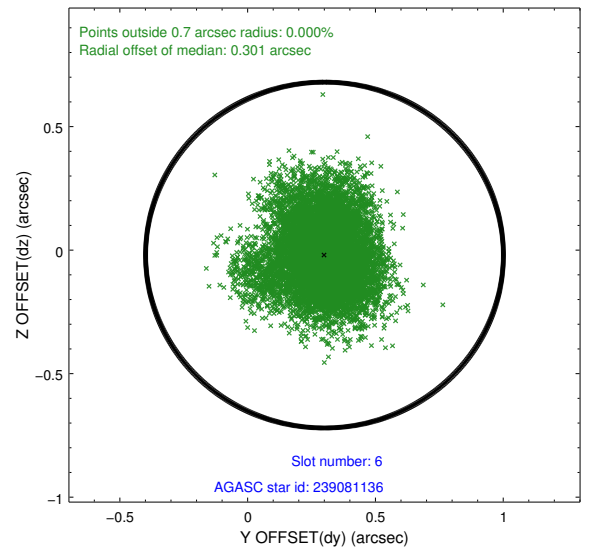
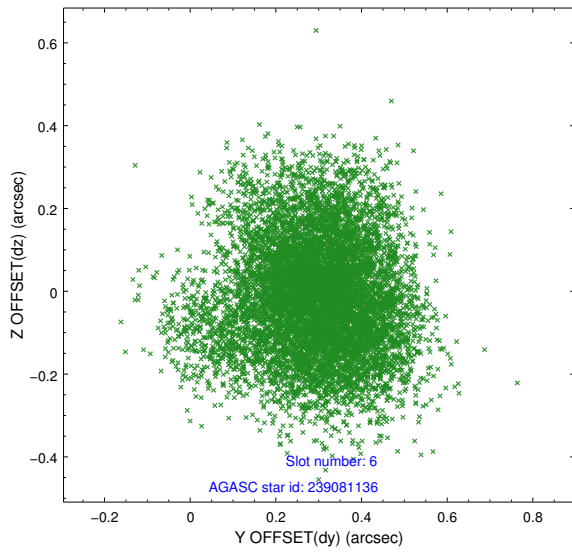
2.4.2 Slot 4



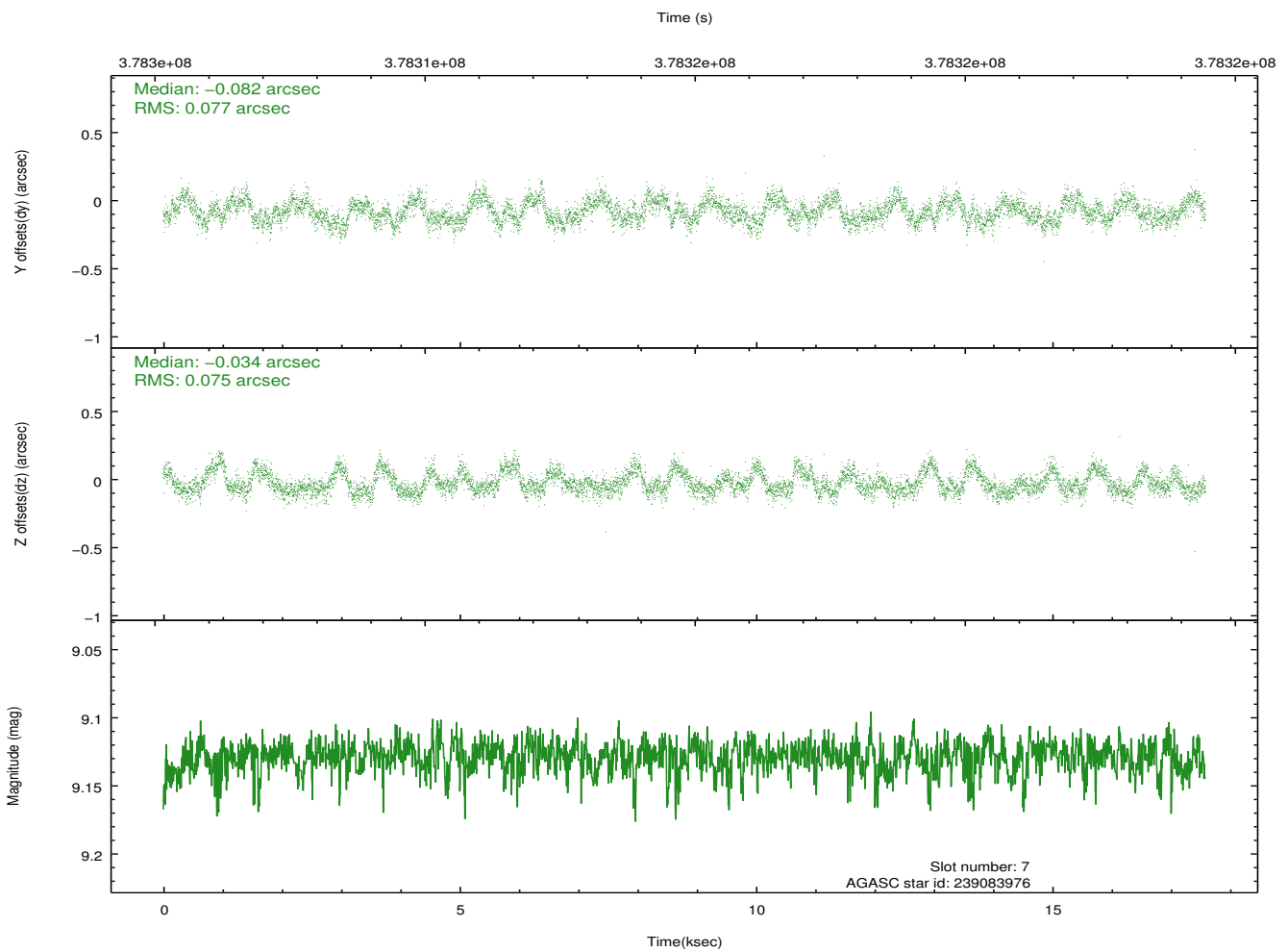
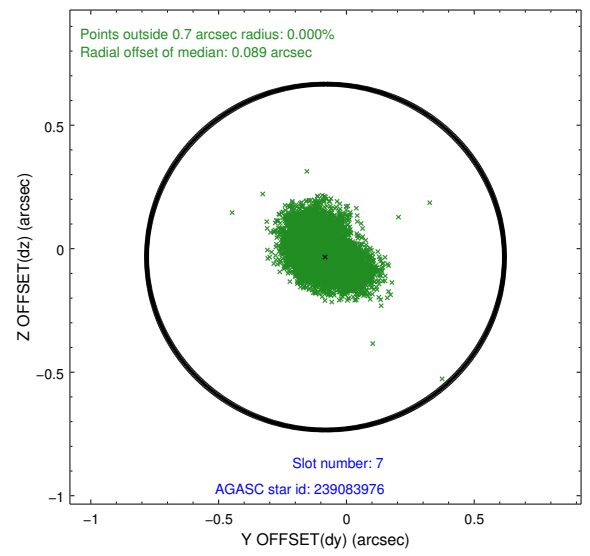
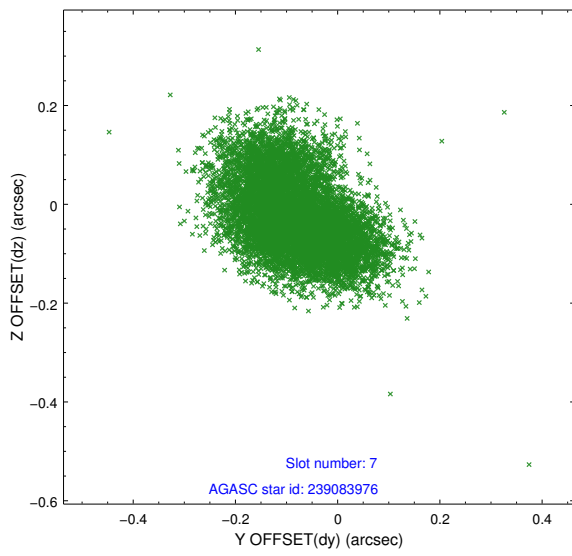
2.4.3 Slot 5



2.4.4 Slot 6

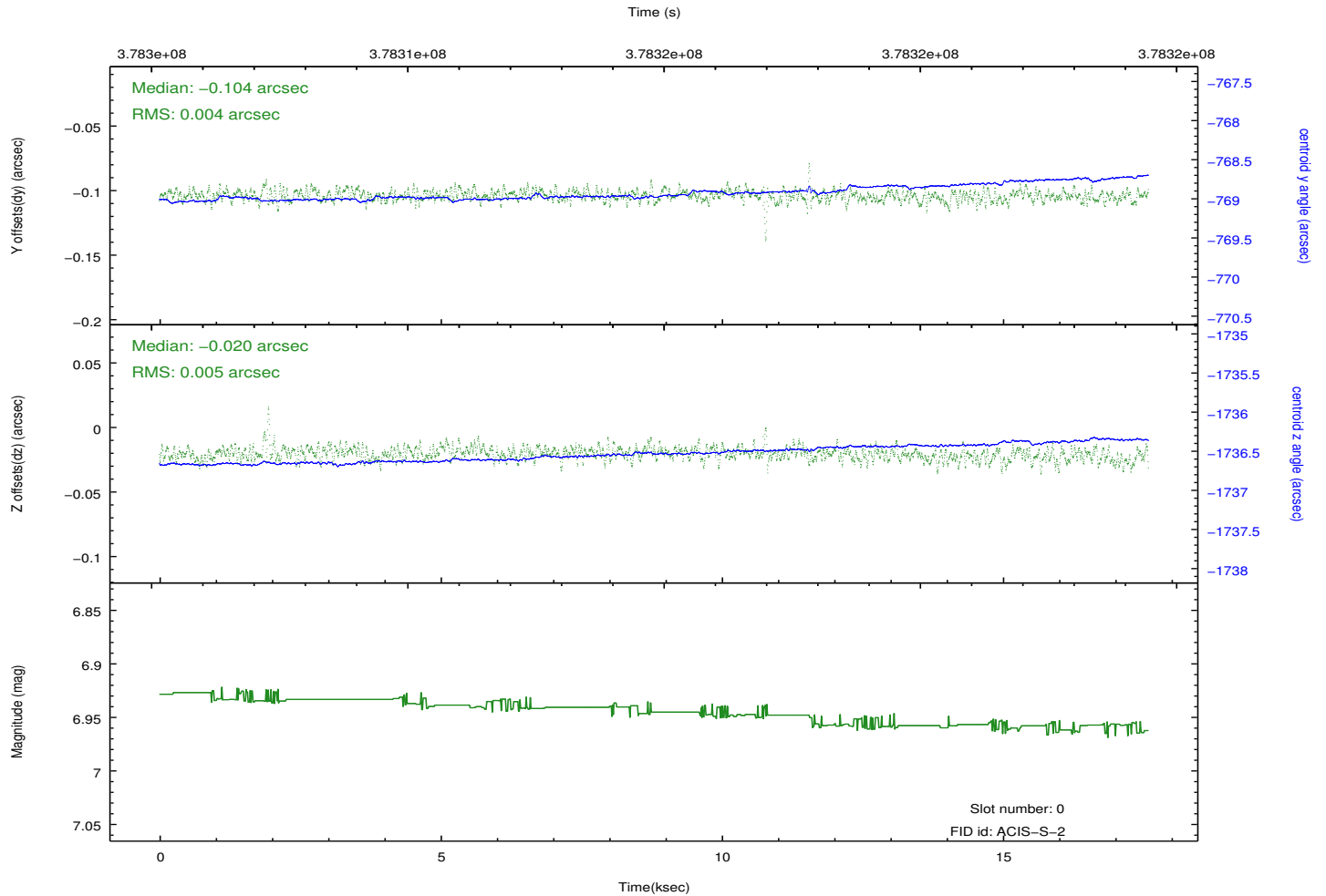
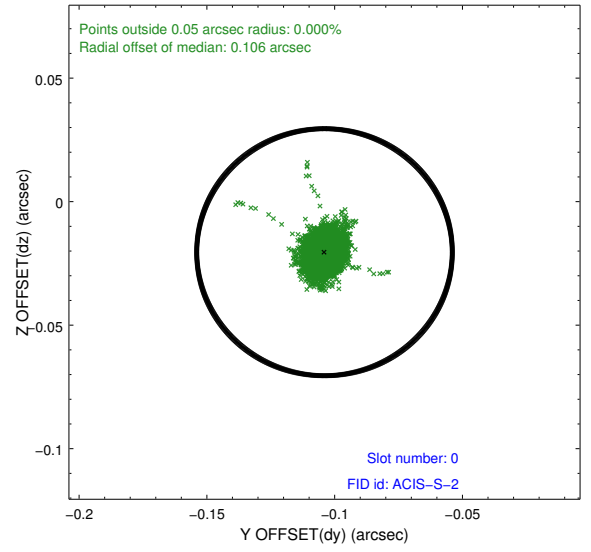
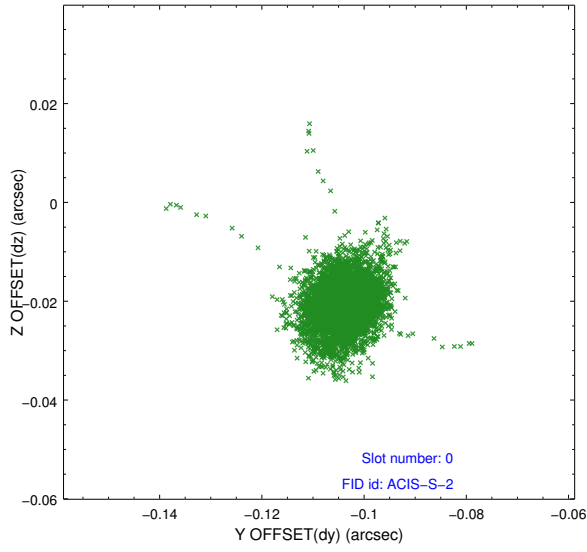


2.4.5 Slot 7

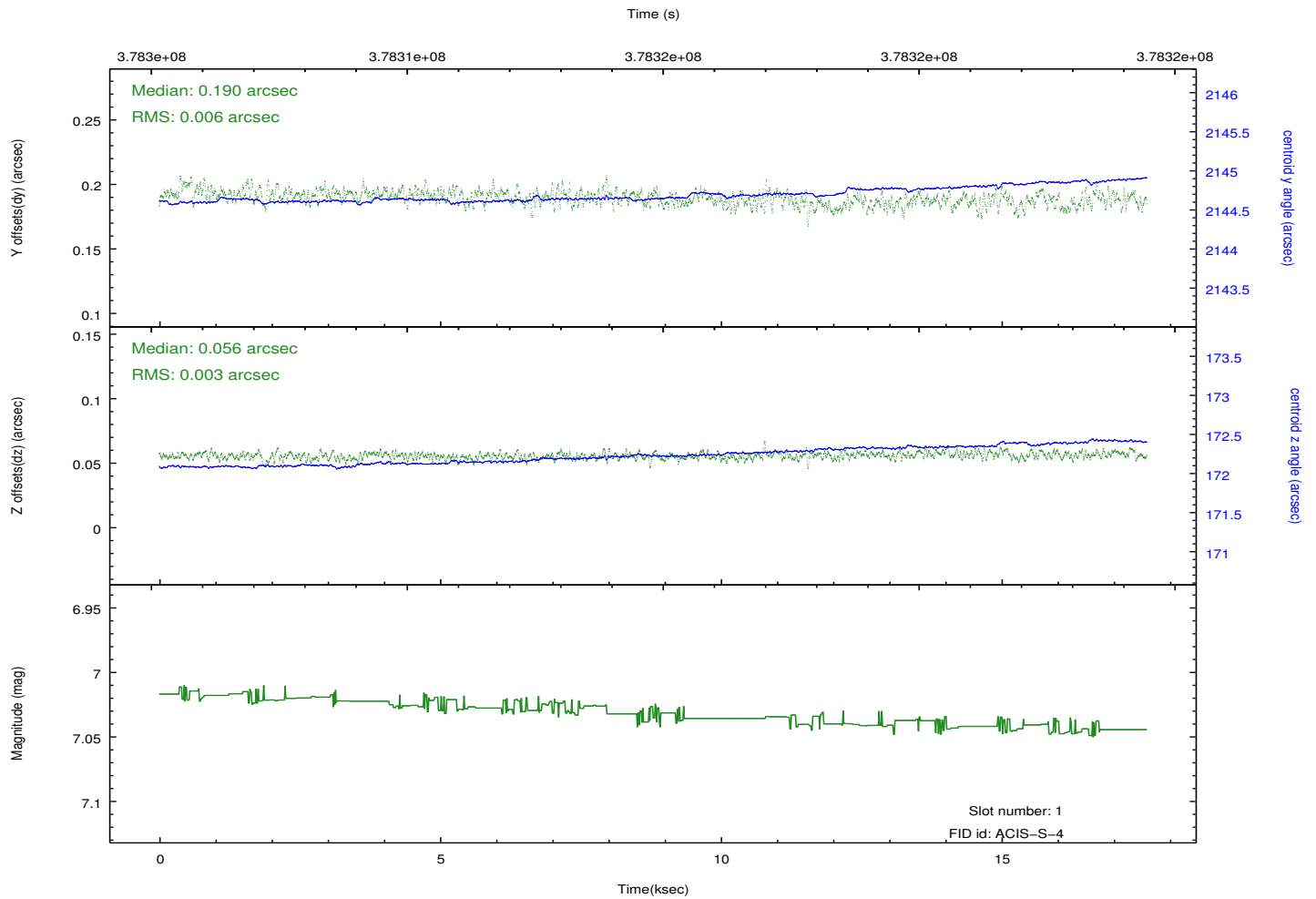
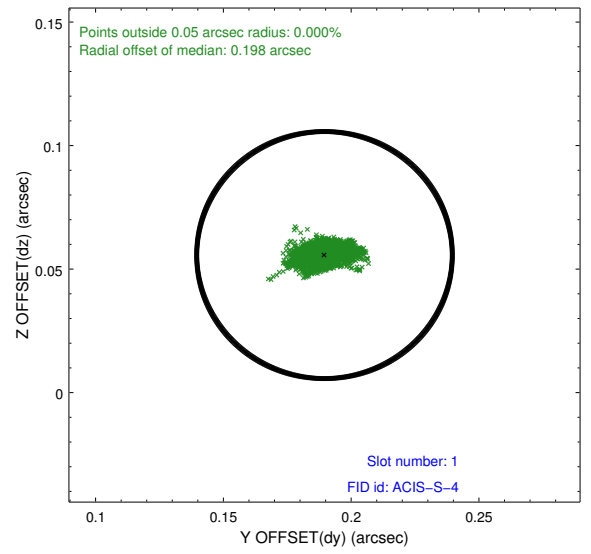
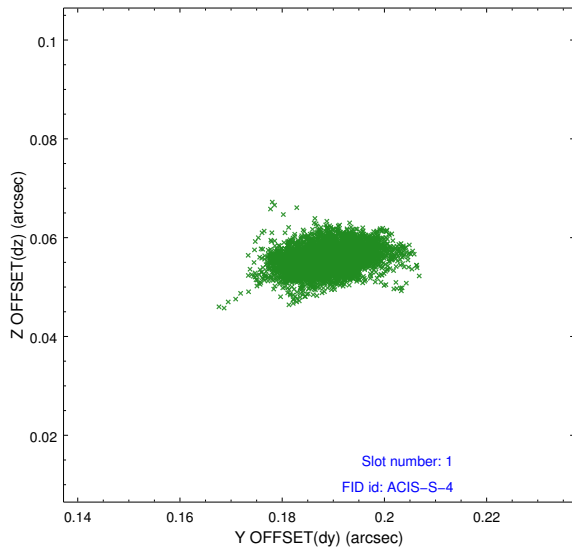


2.5 FID Slots

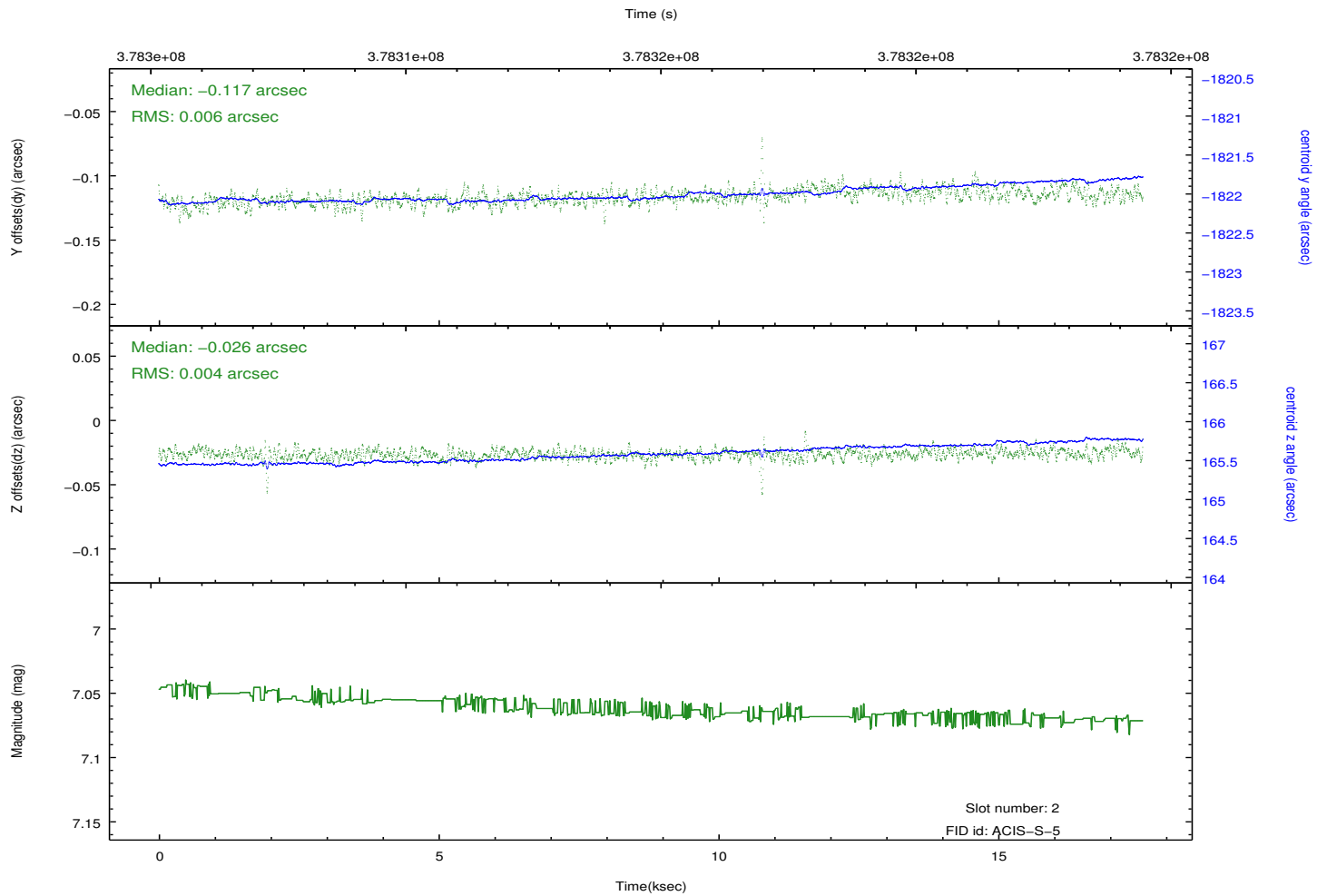
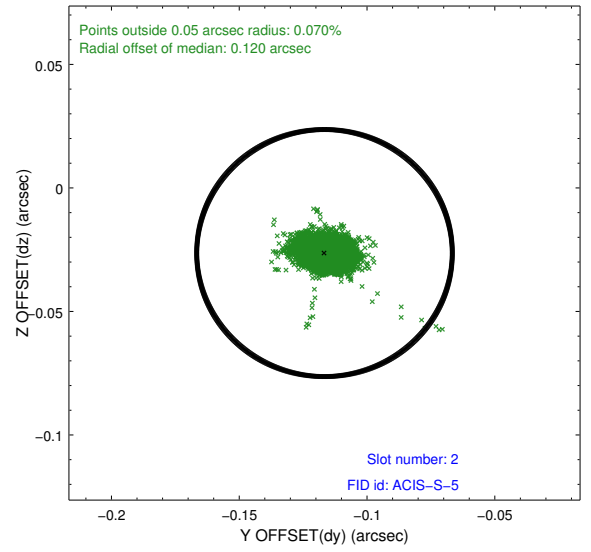
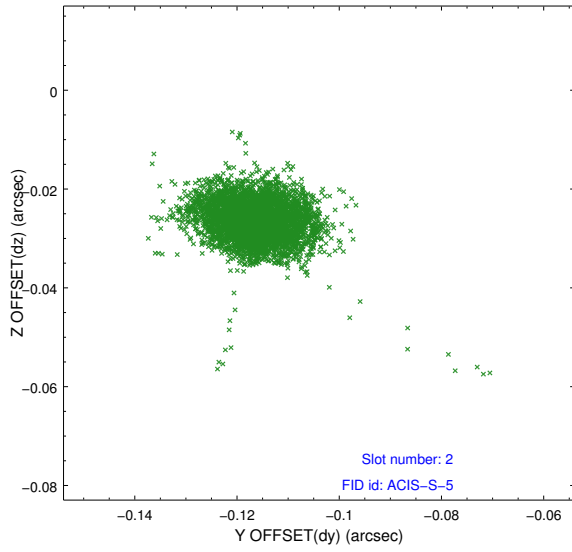
2.5.1 Slot 0



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)	2012.06.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.889400111794

A.2 Comments