

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2064 - L2 Version 3
Chandra X-Ray Center

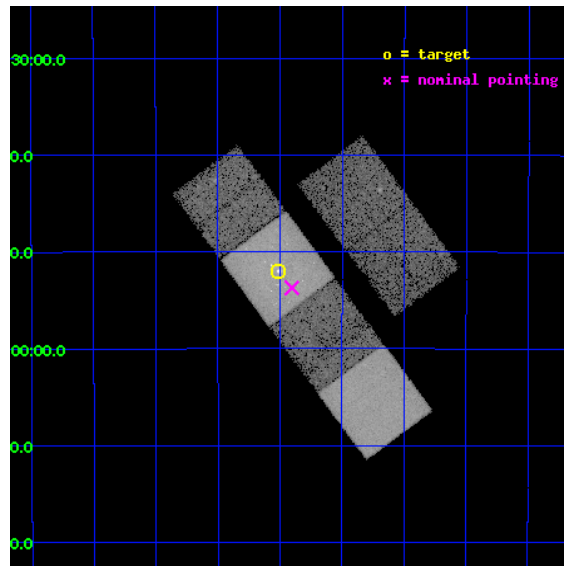
L2 Processing Date : Sep 23 2012

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1 Front

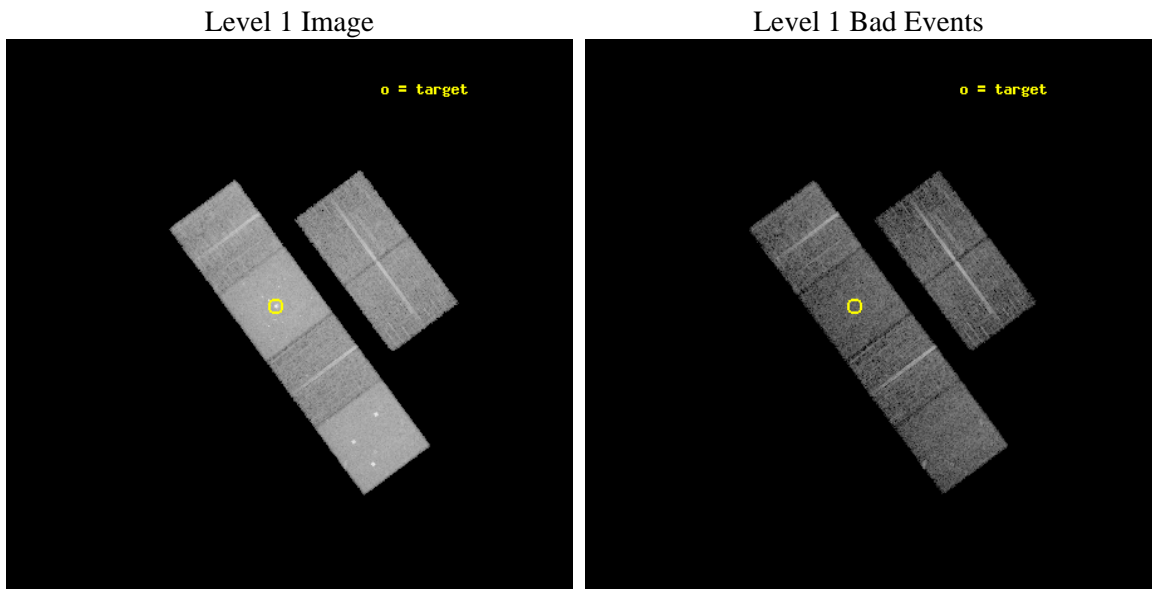
seq_num	600198	Sequence number
obs_id	2064	Observation id
title	THE X-RAY POINT SOURCE POPULATION IN SPIRAL GALAXIES	Proposal titl
observer	Dr Andrea Prestwich	Principal investigator
object	NGC 5236	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	204.253333	Observer's specified target RA [deg]
dec_targ	-29.866389	Observer's specified target Dec [deg]
ra_nom	204.22597928078	Nominal RA [deg]
dec_nom	-29.895344449445	Nominal Dec [deg]
roll_nom	233.42387049543	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9968.0000092685	Sum of GTIs [s]
livetime	9841.7791911421	Livetime [s]
ontime2	9968.0000092685	Sum of GTIs [s]
ontime3	9968.0000092685	Sum of GTIs [s]
ontime5	9968.0000092685	Sum of GTIs [s]
ontime6	9968.0000092685	Sum of GTIs [s]
ontime7	9968.0000092685	Sum of GTIs [s]
ontime8	9968.0000092685	Sum of GTIs [s]
l2events	188462	Number of level 2 events



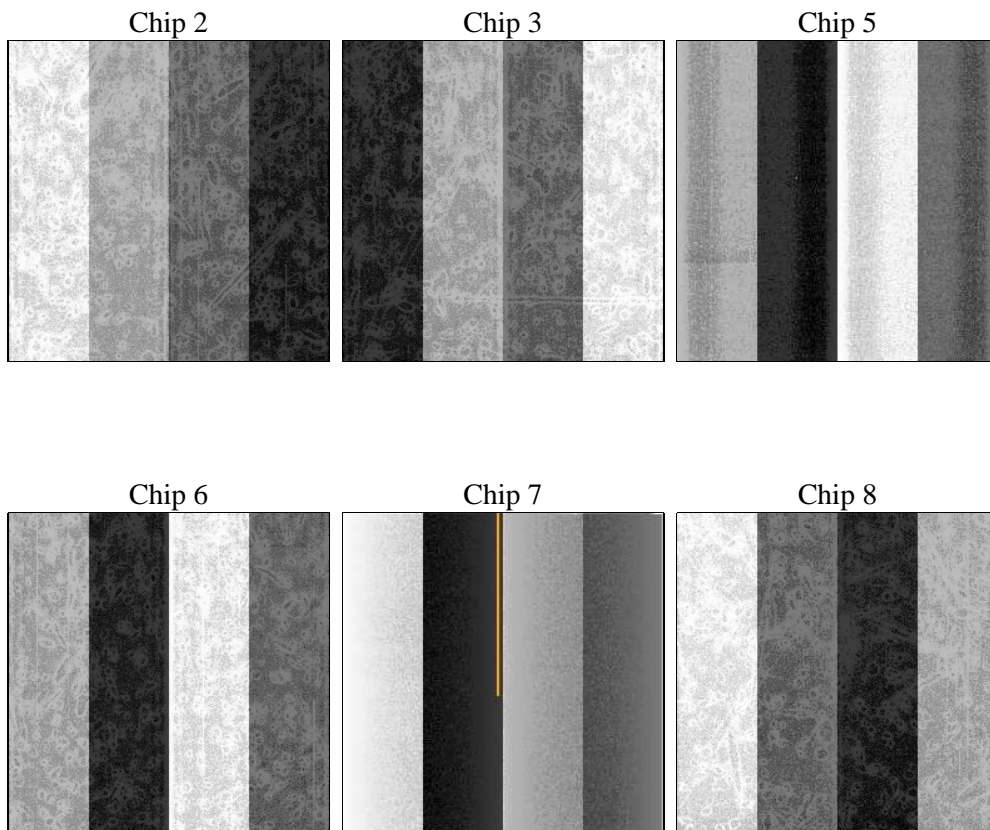
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10019.173000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9968.0000092685	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	9968.0000092685	Sum of GTIs [s]
date	2012-09-23T14:45:57	Date and time of file creation	ontime3	9968.0000092685	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	9968.0000092685	Sum of GTIs [s]
			ontime6	9968.0000092685	Sum of GTIs [s]
			ontime7	9968.0000092685	Sum of GTIs [s]
			ontime8	9968.0000092685	Sum of GTIs [s]
			l1events	537910	Number of level 1 events

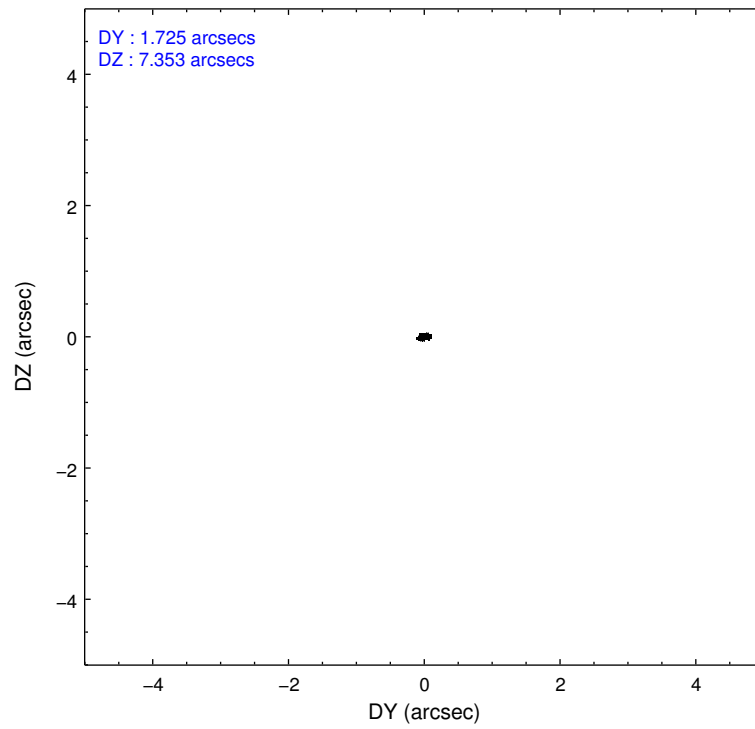
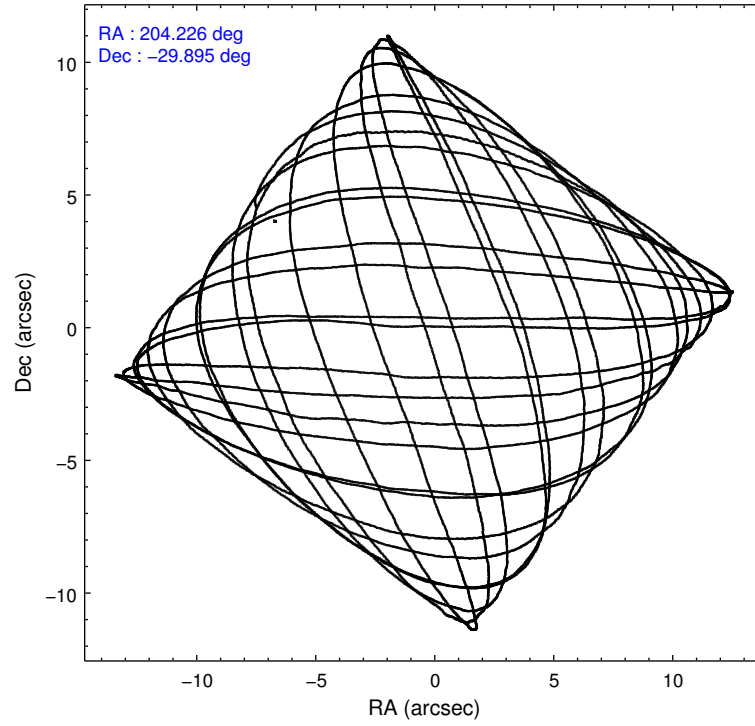
2.1.4 Events

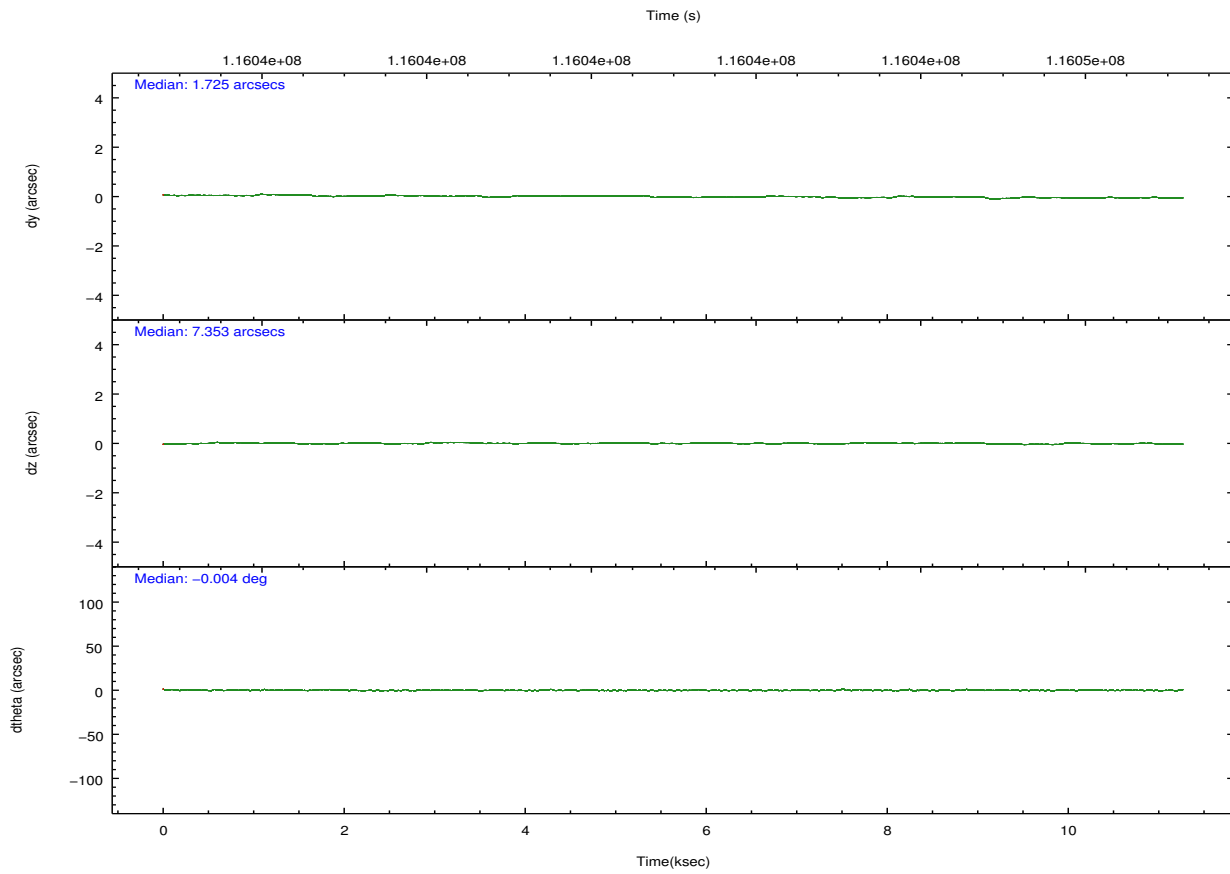
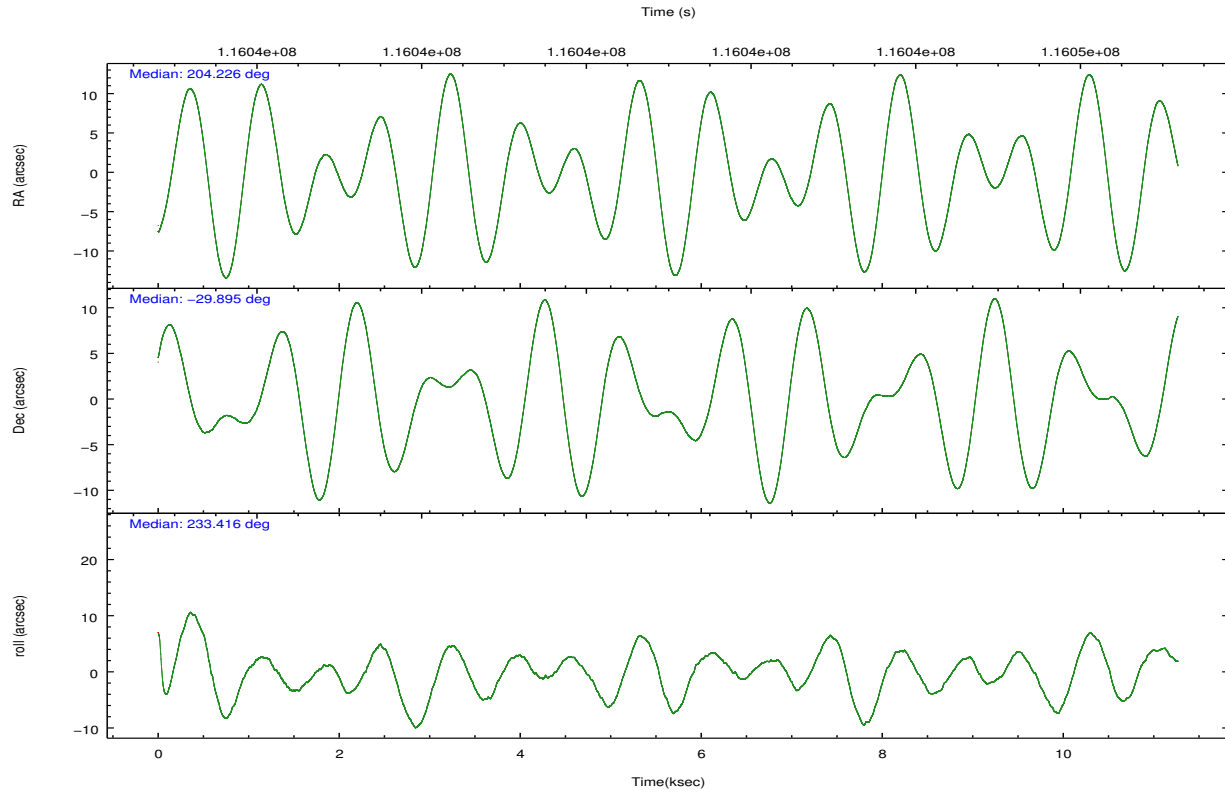
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	66255	63632	127722	68116	128105	84080	grade 0 events	5535	5450	12710	7292	11242	9016
rejected events	55993	53626	51930	55682	48741	63206		8%	8%	9%	10%	8%	10%
rejected %	84%	84%	40%	81%	38%	75%	grade 1 events	41	54	210	44	83	46
								0%	0%	0%	0%	0%	0%
							grade 2 events	1868	1708	20779	2057	15217	4086
								2%	2%	16%	3%	11%	4%
							grade 3 events	715	735	3983	783	6767	1772
								1%	1%	3%	1%	5%	2%
							grade 4 events	772	779	3775	787	6820	1654
								1%	1%	2%	1%	5%	1%
							grade 5 events	2335	2417	7350	2638	8205	3356
								3%	3%	5%	3%	6%	3%
							grade 6 events	1378	1338	34575	1521	39351	4357
								2%	2%	27%	2%	30%	5%
							grade 7 events	53611	51151	44340	52994	40420	59793
								80%	80%	34%	77%	31%	71%

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	204.229195	204.2259792807833	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.868246	-29.8953444494451	Alternating exposures requested	N	N
[deg] Pointing Roll	233.268839	233.4238704954283	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	116036607.184000	116035118.8558			
Observation start date	2001-09-05T00:22:23	2001-09-04T23:58:38			
[s] Observation end time (MET)	116046627.184000	116046941.20627			
Observation end date	2001-09-05T03:09:23	2001-09-05T03:15:41			
Read mode	TIMED	TIMED			

2.3 Aspect



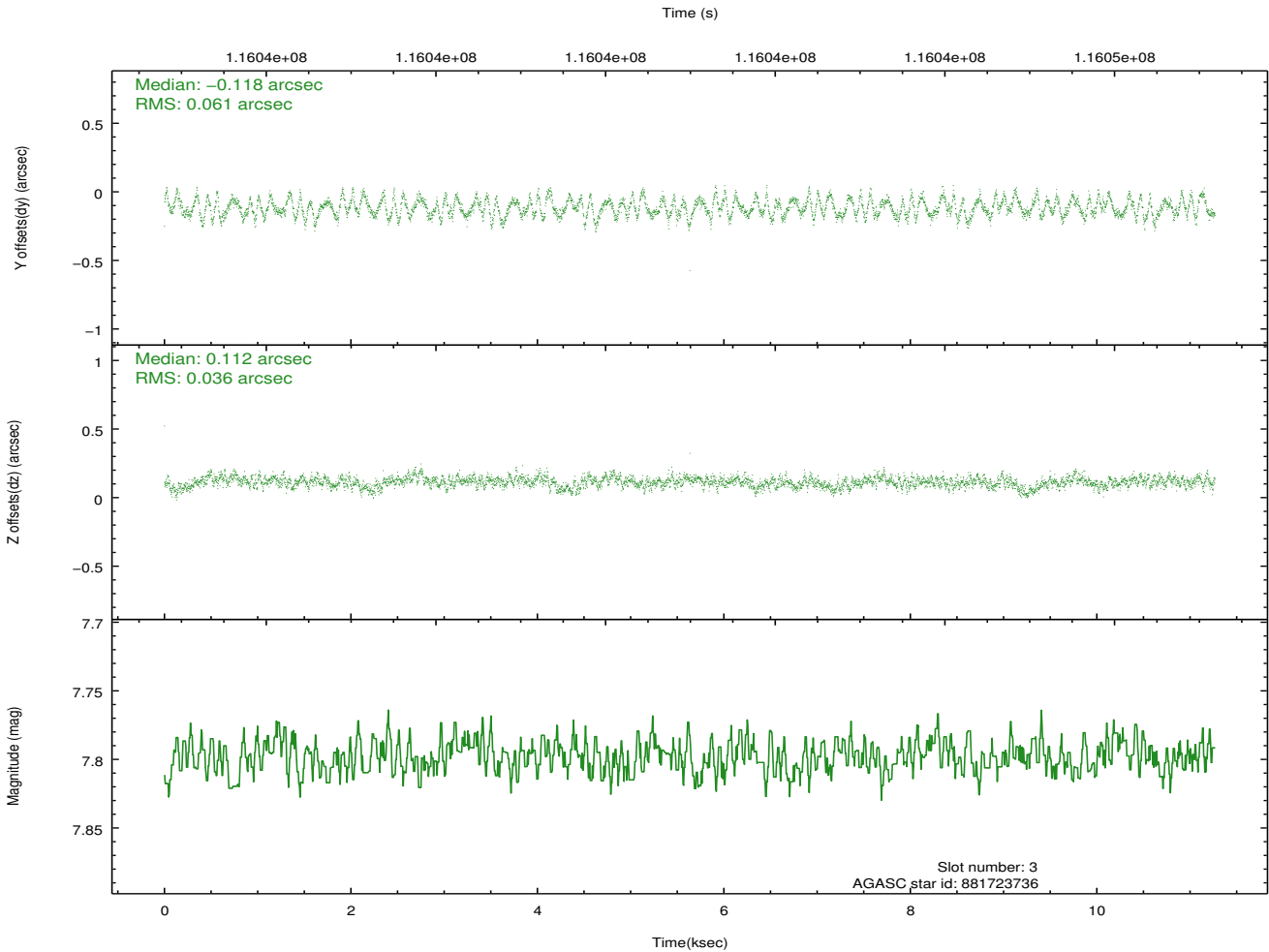
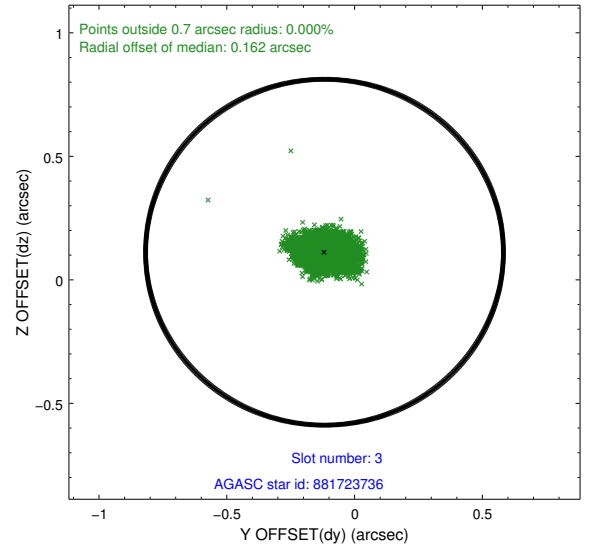
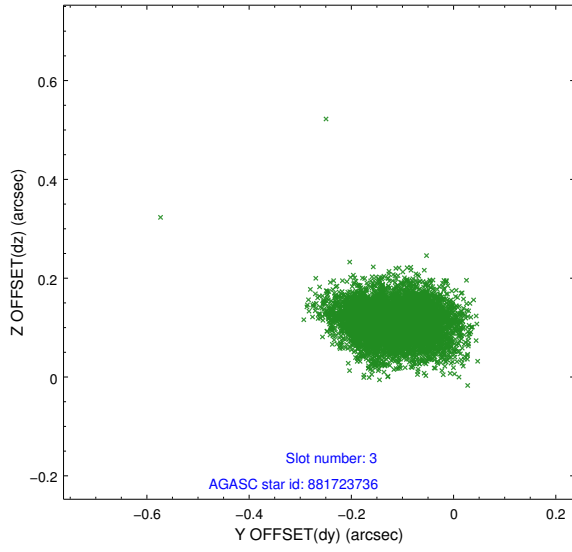


Slot Statistics

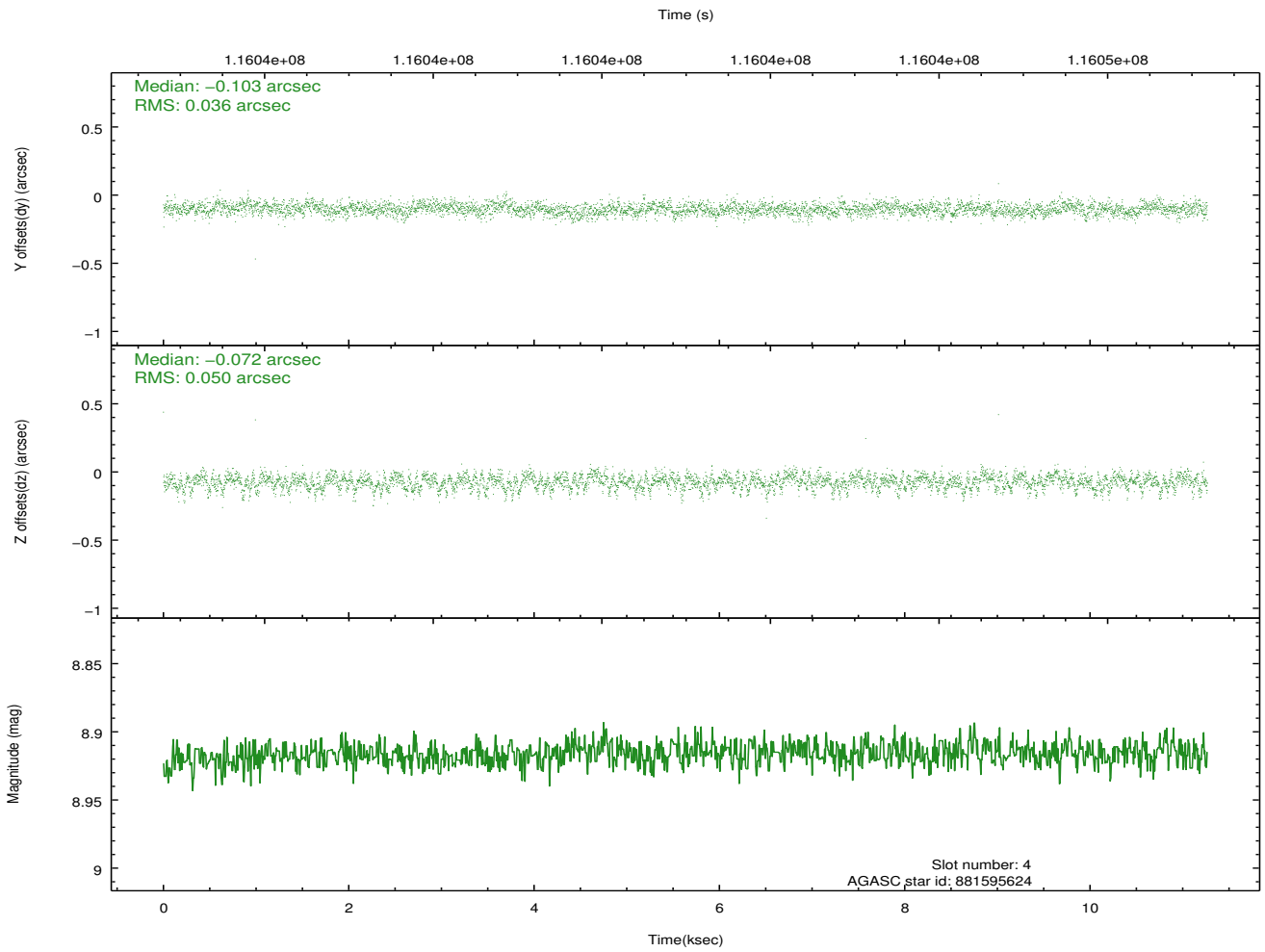
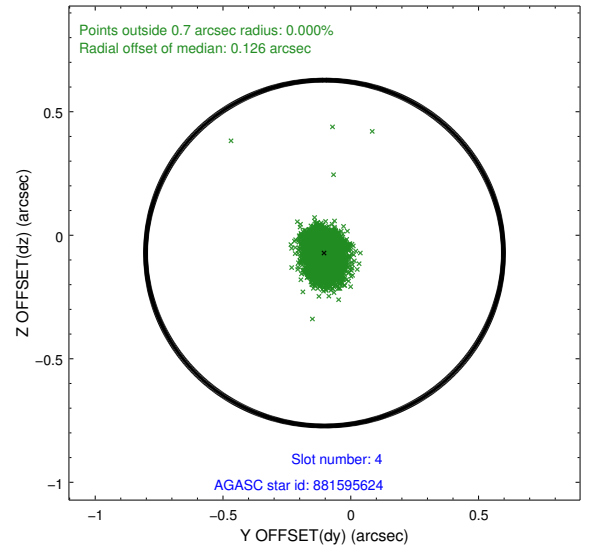
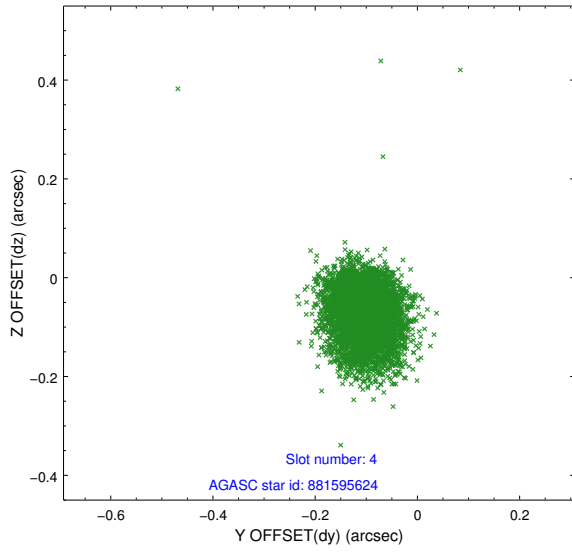
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2749	-0.015	-0.001	0.006	0.010	0.000000	0.000000	-754.35	-1728.47
1	FID	ACIS-S-4	7.20	2749	-0.064	0.007	0.005	0.011	0.000000	0.000000	2158.68	179.55
2	FID	ACIS-S-5	7.24	2749	0.048	0.002	0.006	0.011	0.000000	0.000000	-1806.54	173.73
3	GUIDE	881723736	7.80	5497	-0.118	0.112	0.076	0.122	205.257294	-29.730831	-2305.96	2288.27
4	GUIDE	881595624	8.92	5497	-0.103	-0.072	0.064	0.106	204.202876	-29.365867	-1398.78	-1147.80
5	GUIDE	952240712	8.75	5496	0.051	-0.030	0.068	0.107	204.398863	-30.084893	310.72	889.93
6	GUIDE	881595568	9.16	5495	-0.011	-0.056	0.099	0.153	203.519167	-29.642189	683.99	-2263.03
7	GUIDE	952239096	9.67	5478	0.184	0.050	0.105	0.167	203.798157	-30.282715	2001.30	-180.23

2.4 Star Slots

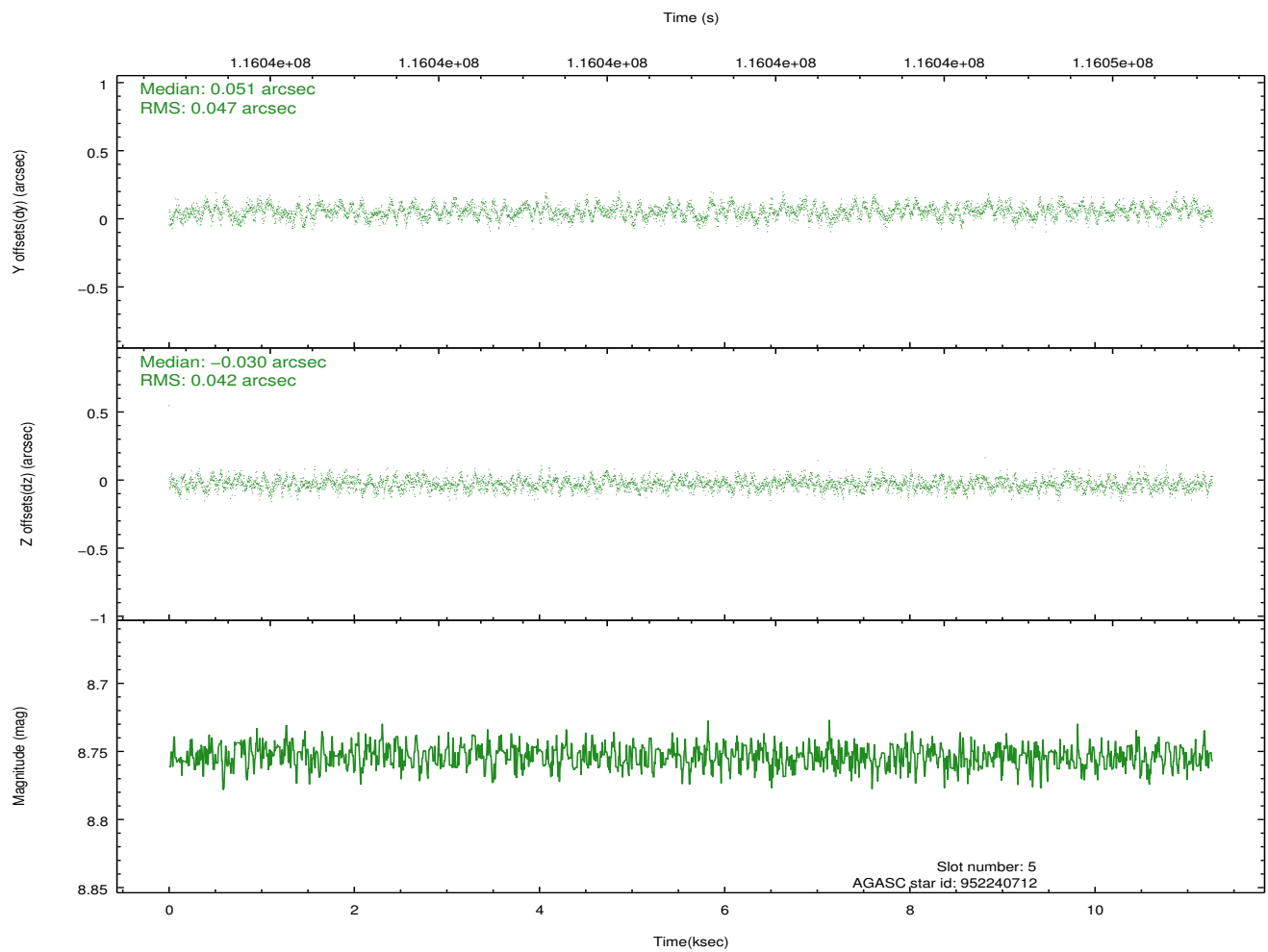
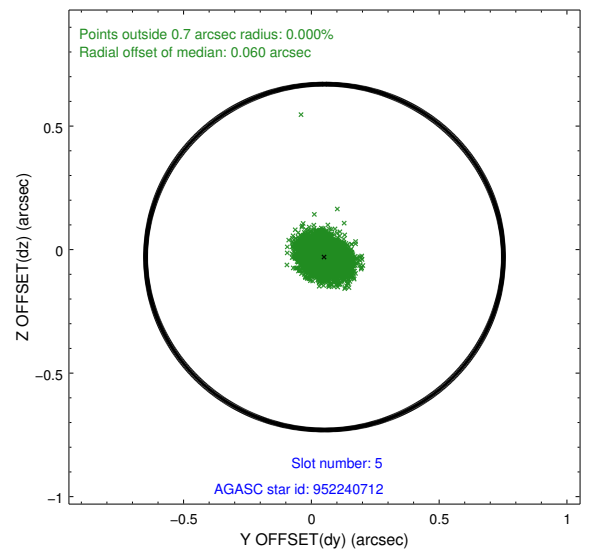
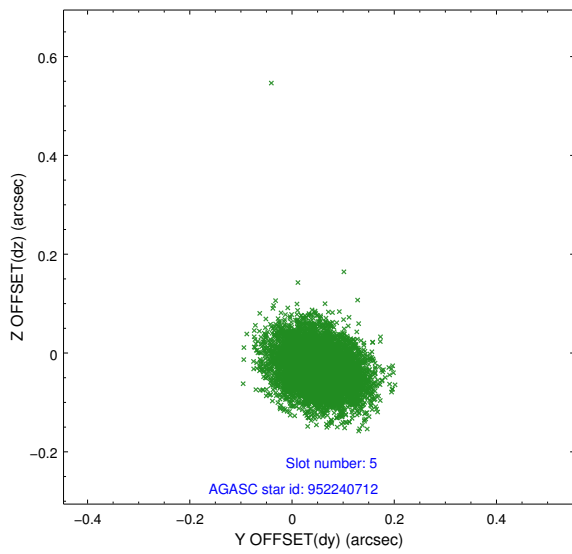
2.4.1 Slot 3



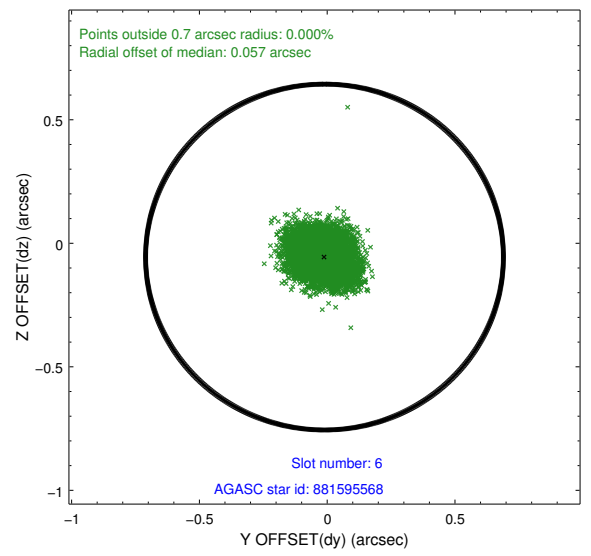
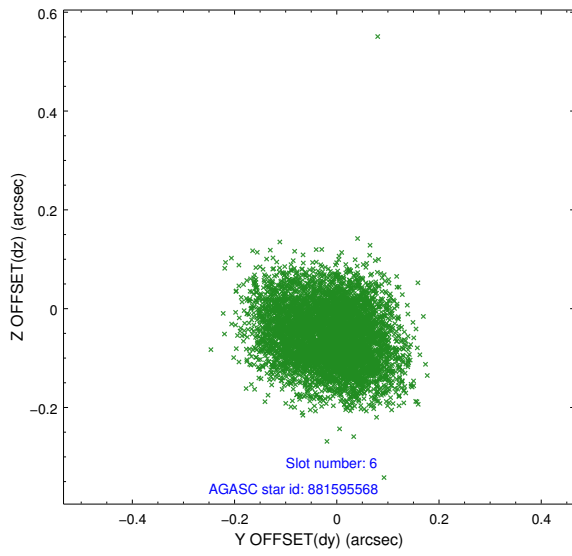
2.4.2 Slot 4



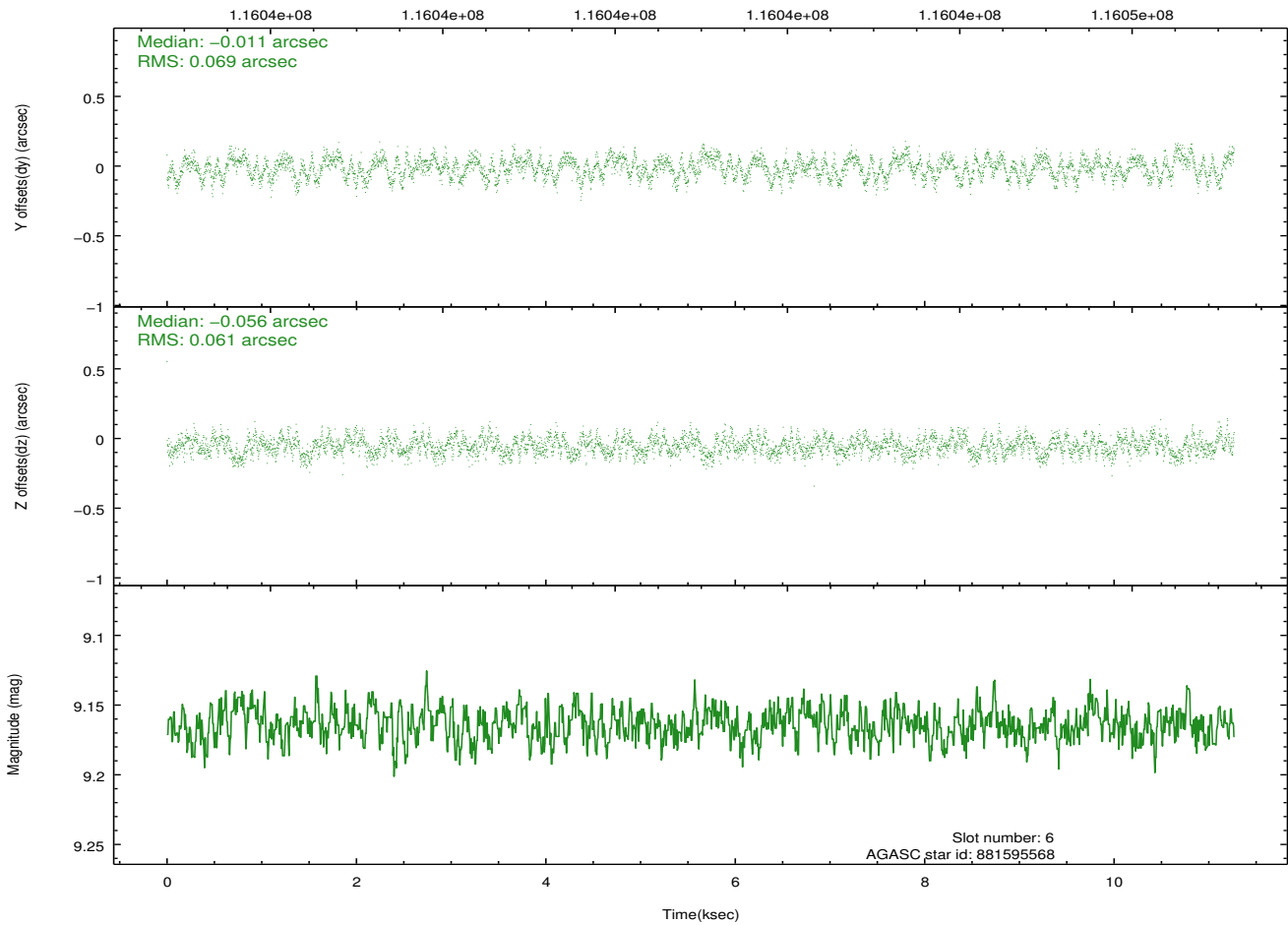
2.4.3 Slot 5



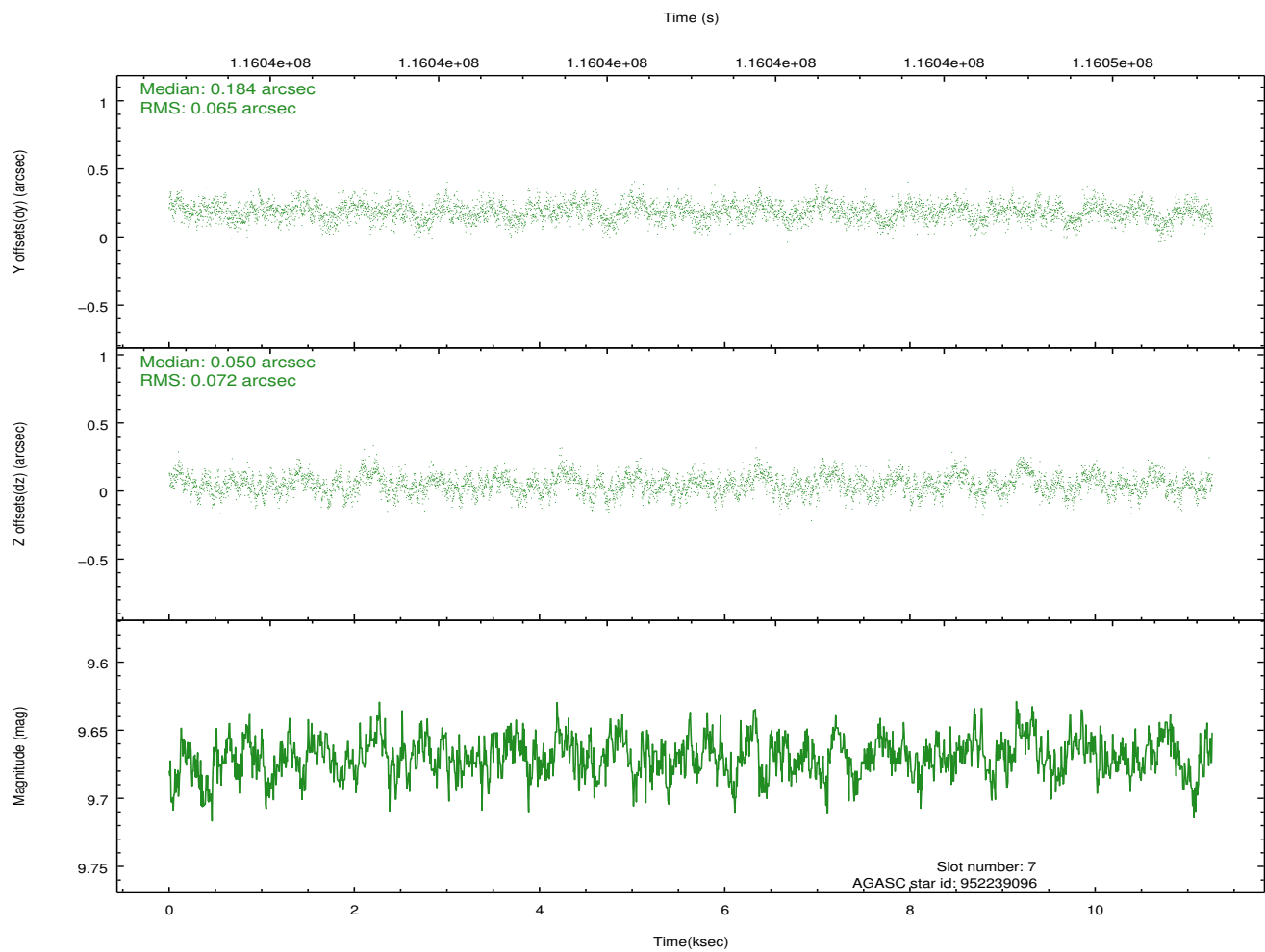
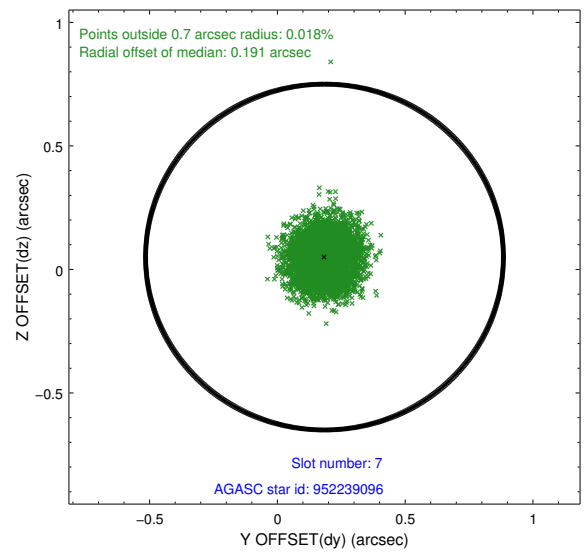
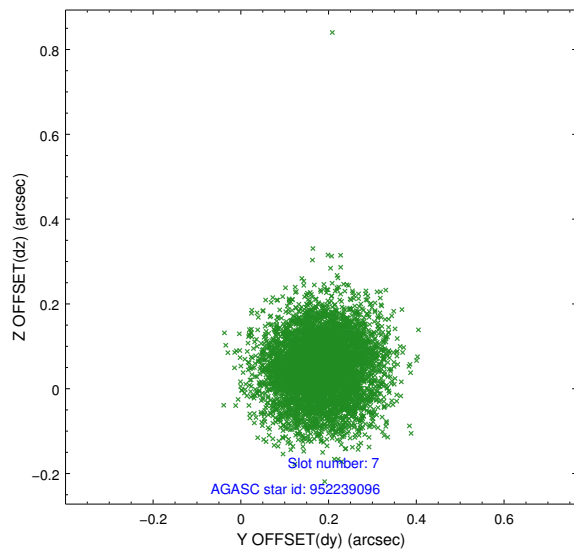
2.4.4 Slot 6



Time (s)

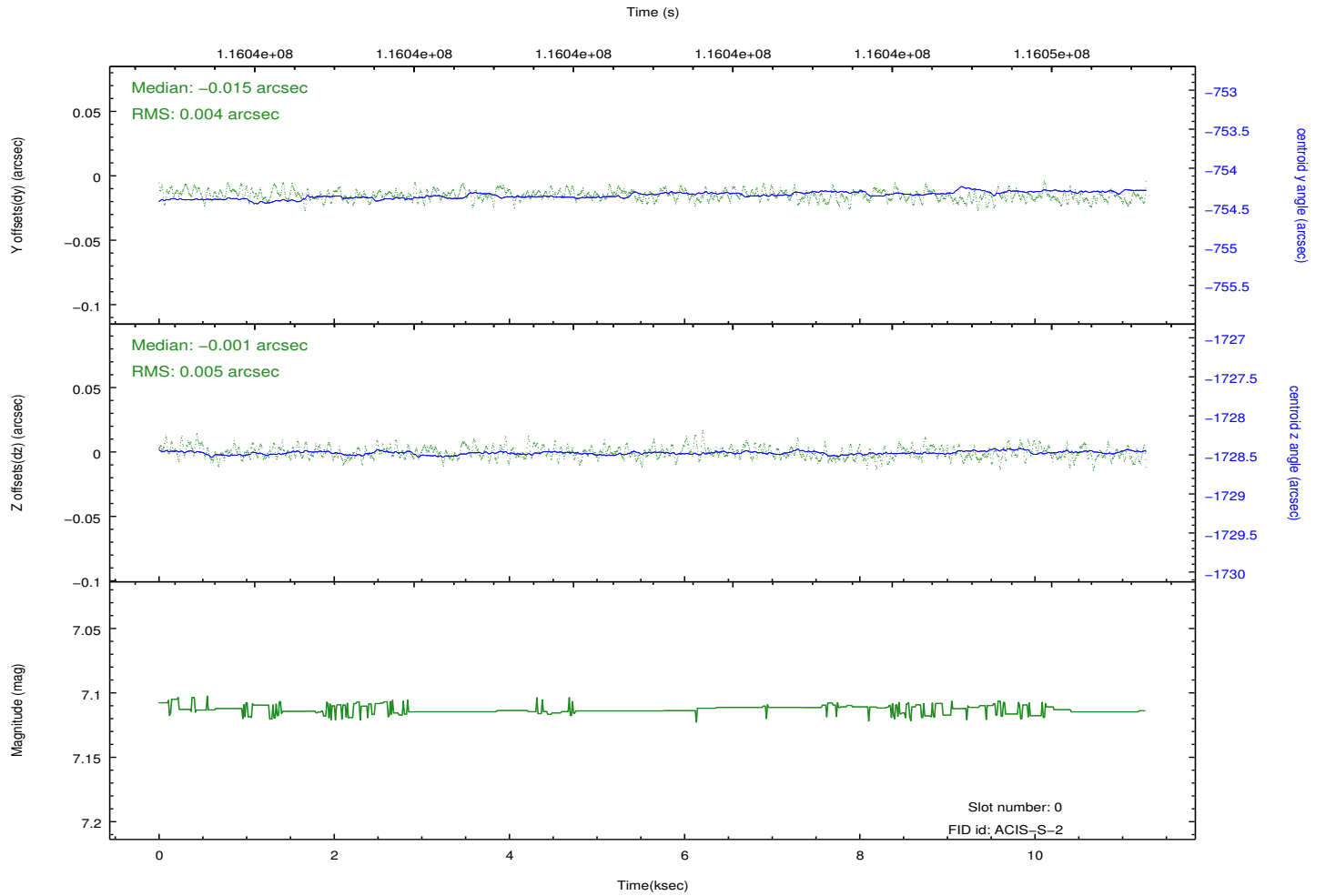
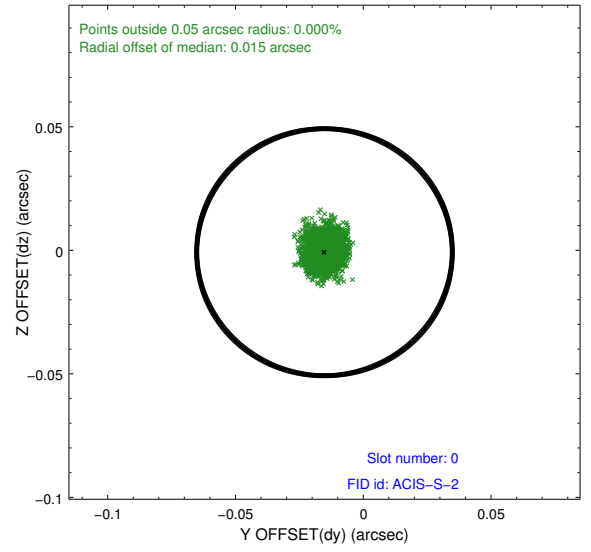
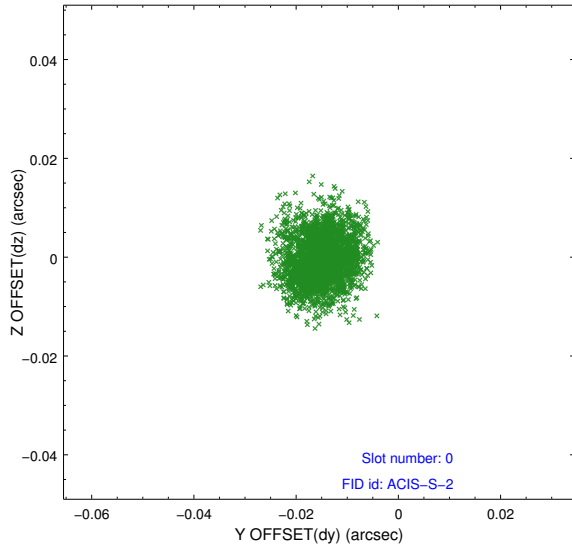


2.4.5 Slot 7

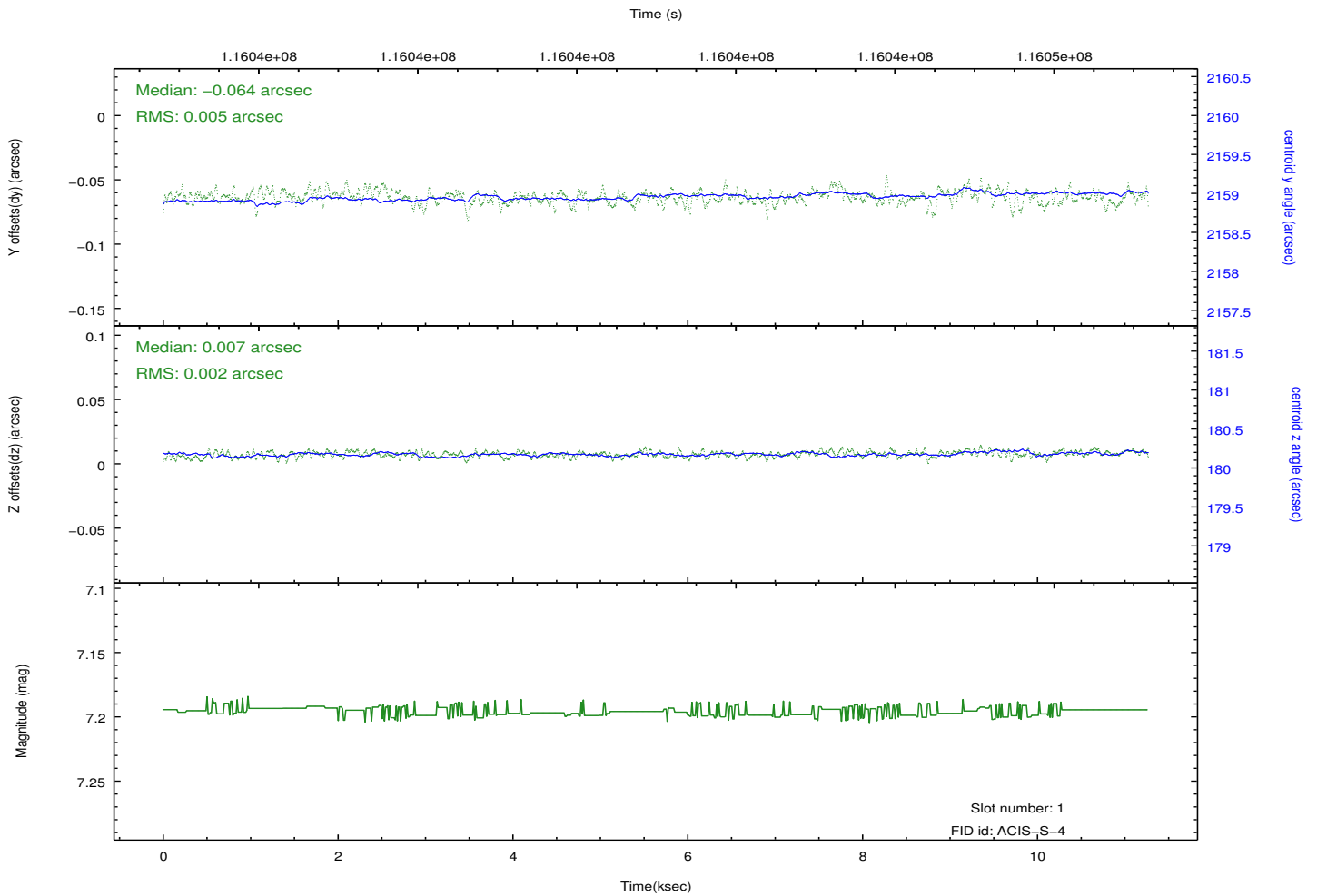
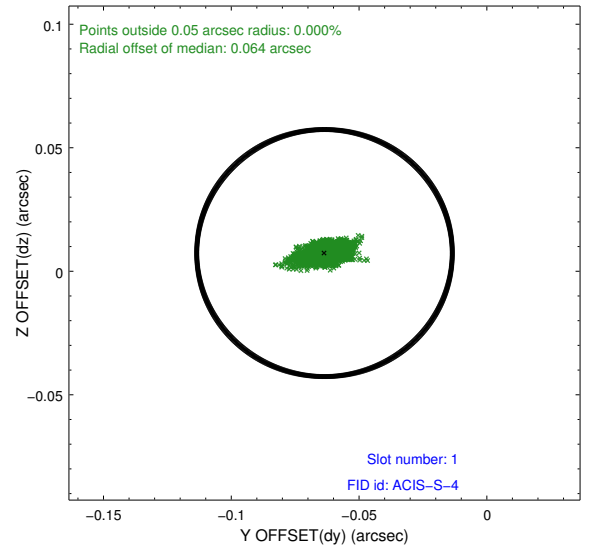
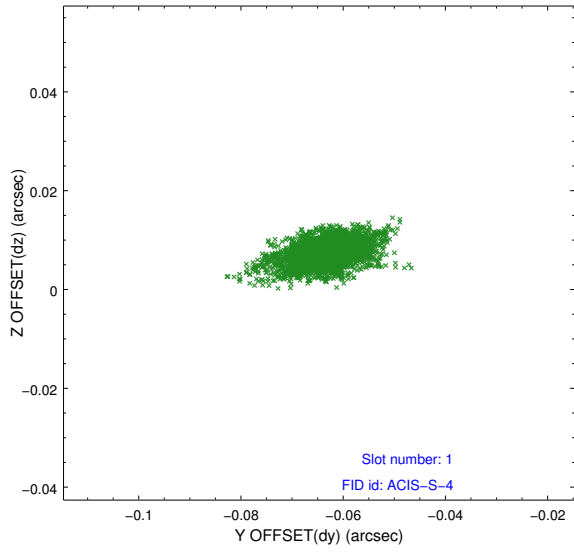


2.5 FID Slots

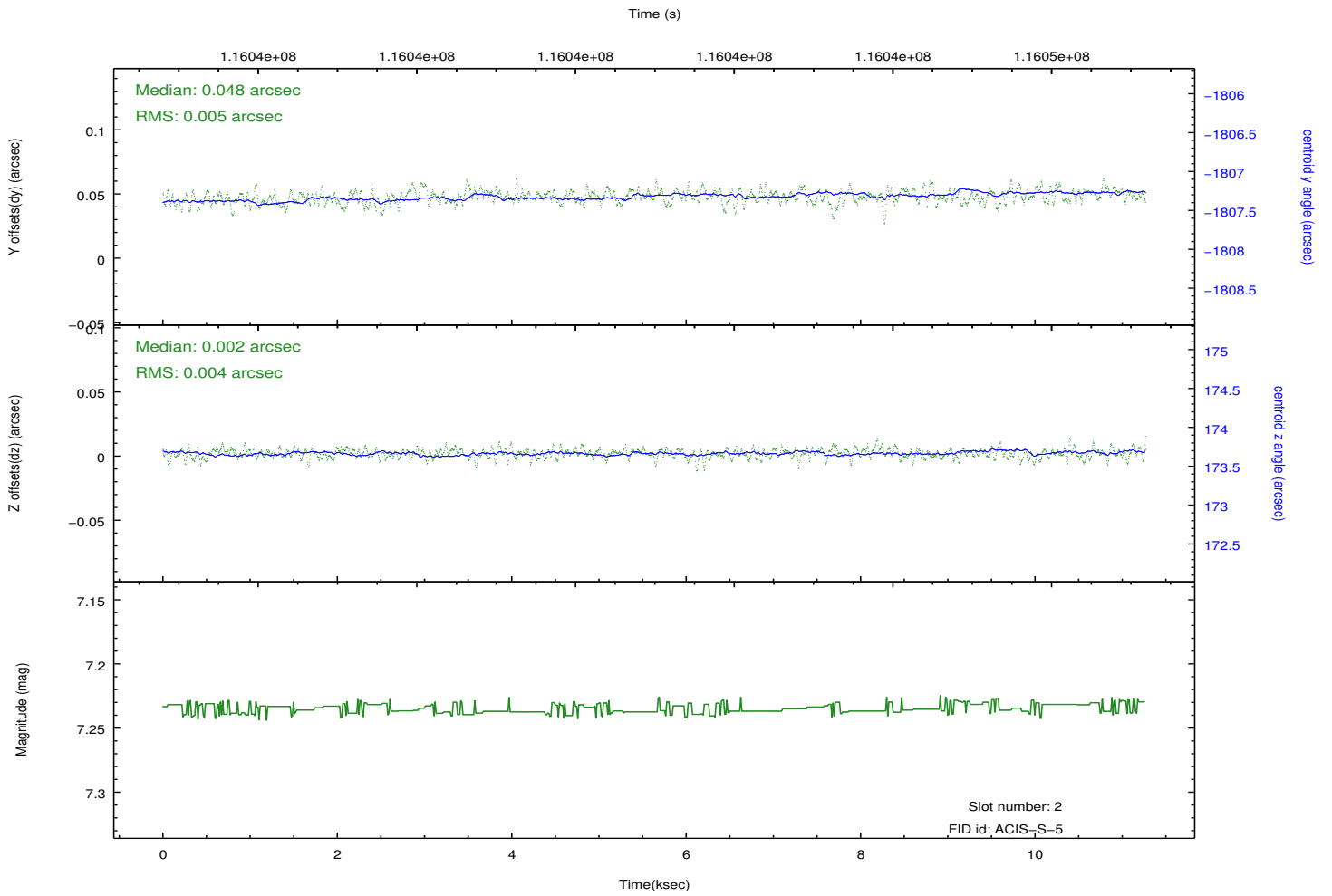
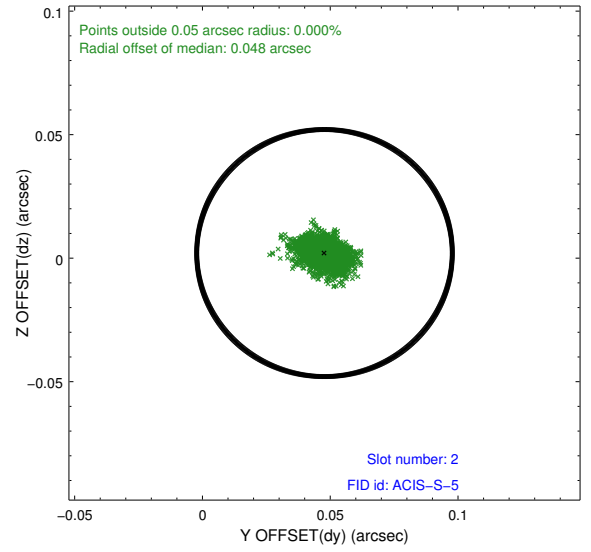
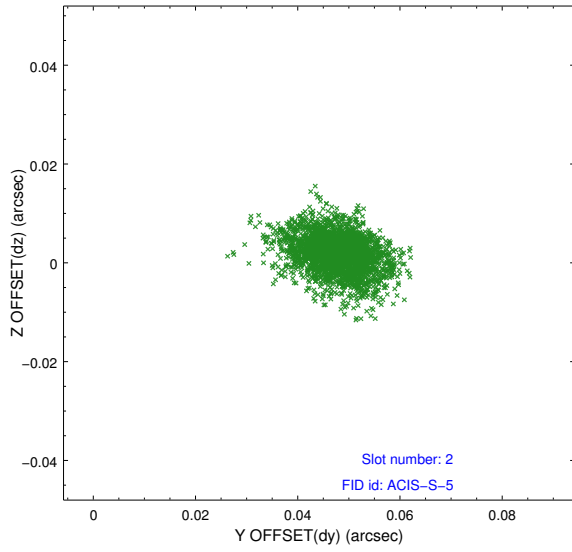
2.5.1 Slot 0



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)	2012.09.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.97

A.2 Comments