

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6932 - L2 Version 2
Chandra X-Ray Center

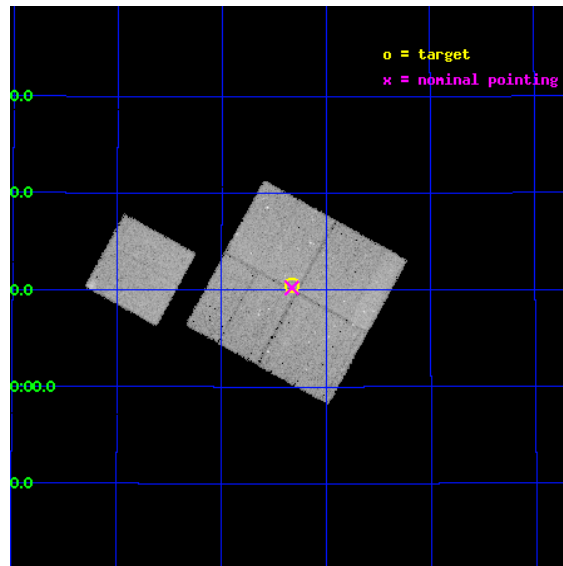
L2 Processing Date : Apr 11 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

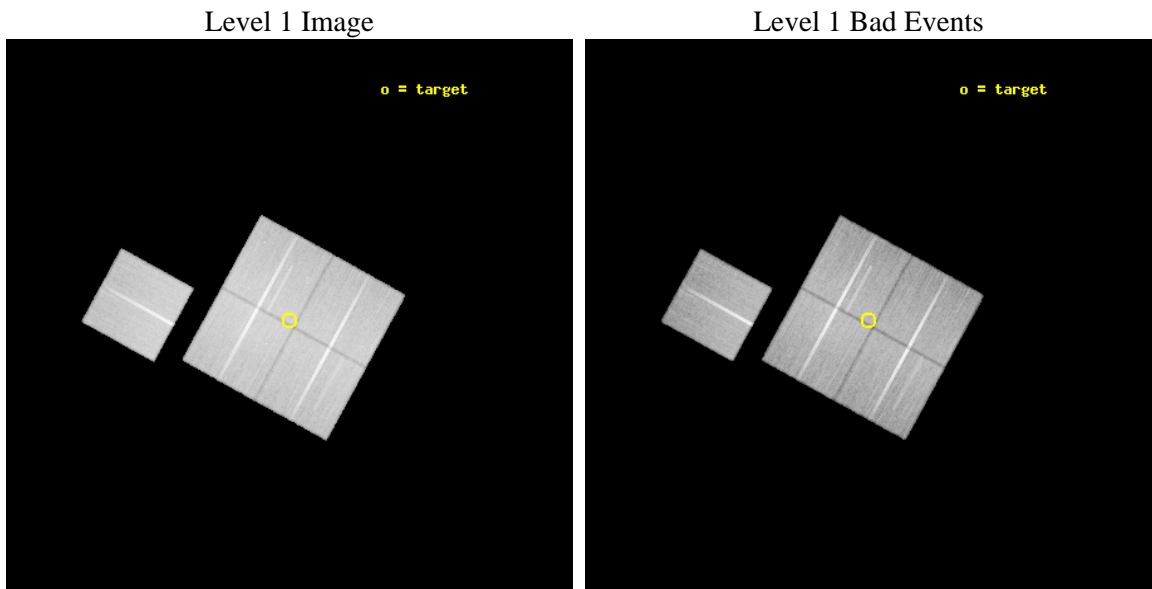
seq_num	800565	Sequence number
obs_id	6932	Observation id
title	The Active Galaxy Population in a Supercluster at z = 0.9	Proposal
observer	Prof Lori Lubin	Principal investigator
object	SC1604+4311	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	241.08125	Observer's specified target RA [deg]
dec_targ	43.175278	Observer's specified target Dec [deg]
ra_nom	241.08196224027	Nominal RA [deg]
dec_nom	43.170665564228	Nominal Dec [deg]
roll_nom	298.85771392585	Nominal Roll [deg]
revision	2	Processing version of data
ontime	50133.118454874	Sum of GTIs [s]
livetime	49478.092354796	Livetime [s]
ontime0	50123.695494235	Sum of GTIs [s]
ontime1	50126.836474538	Sum of GTIs [s]
ontime2	50129.977484763	Sum of GTIs [s]
ontime3	50133.118454874	Sum of GTIs [s]
ontime6	50123.695544124	Sum of GTIs [s]
l2events	155083	Number of level 2 events



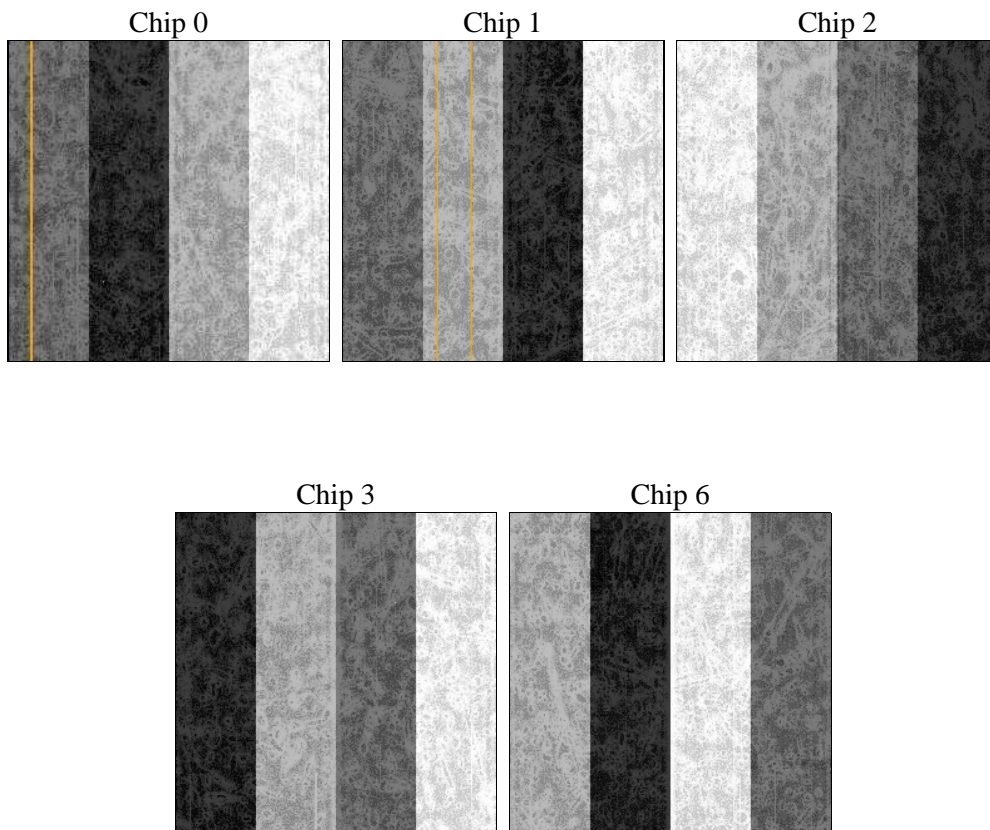
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	50000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	50133.118454874	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	50123.695494235	Sum of GTIs [s]
date	2012-04-11T01:47:48	Date and time of file creation	ontime1	50126.836474538	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	50129.977484763	Sum of GTIs [s]
			ontime3	50133.118454874	Sum of GTIs [s]
			ontime6	50123.695544124	Sum of GTIs [s]
			l1events	1876067	Number of level 1 events

2.1.4 Events

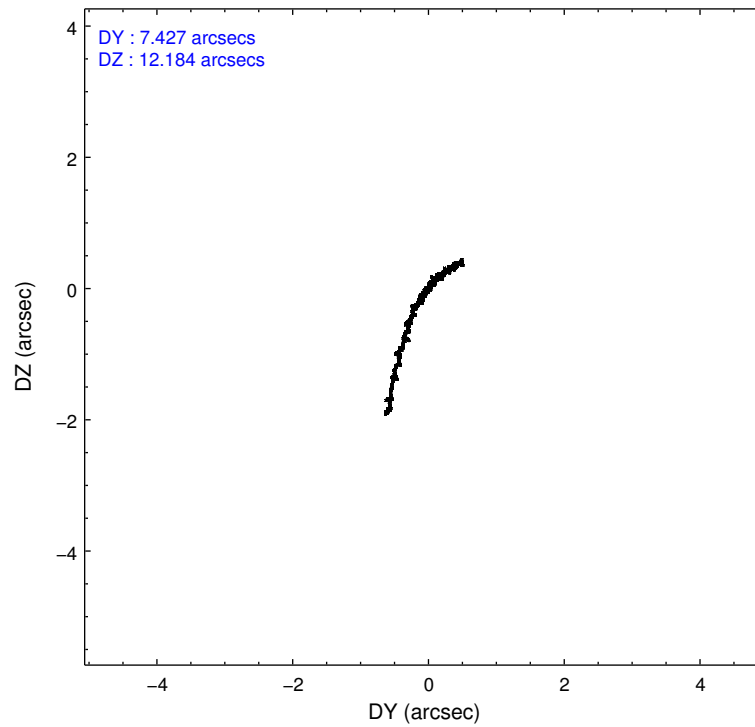
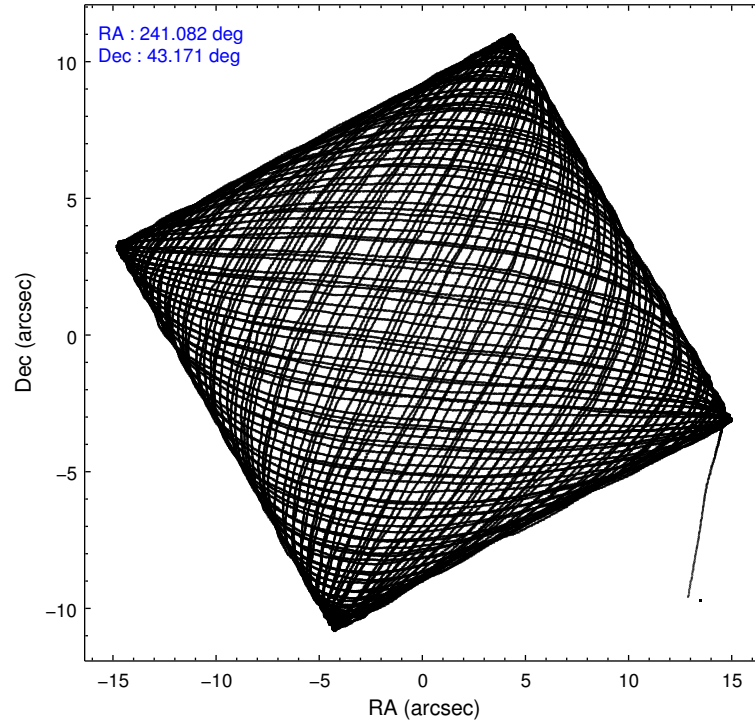
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	368141	353542	405708	376858	371818
rejected events	331540	311886	369971	341307	334106
rejected %	90%	88%	91%	90%	89%

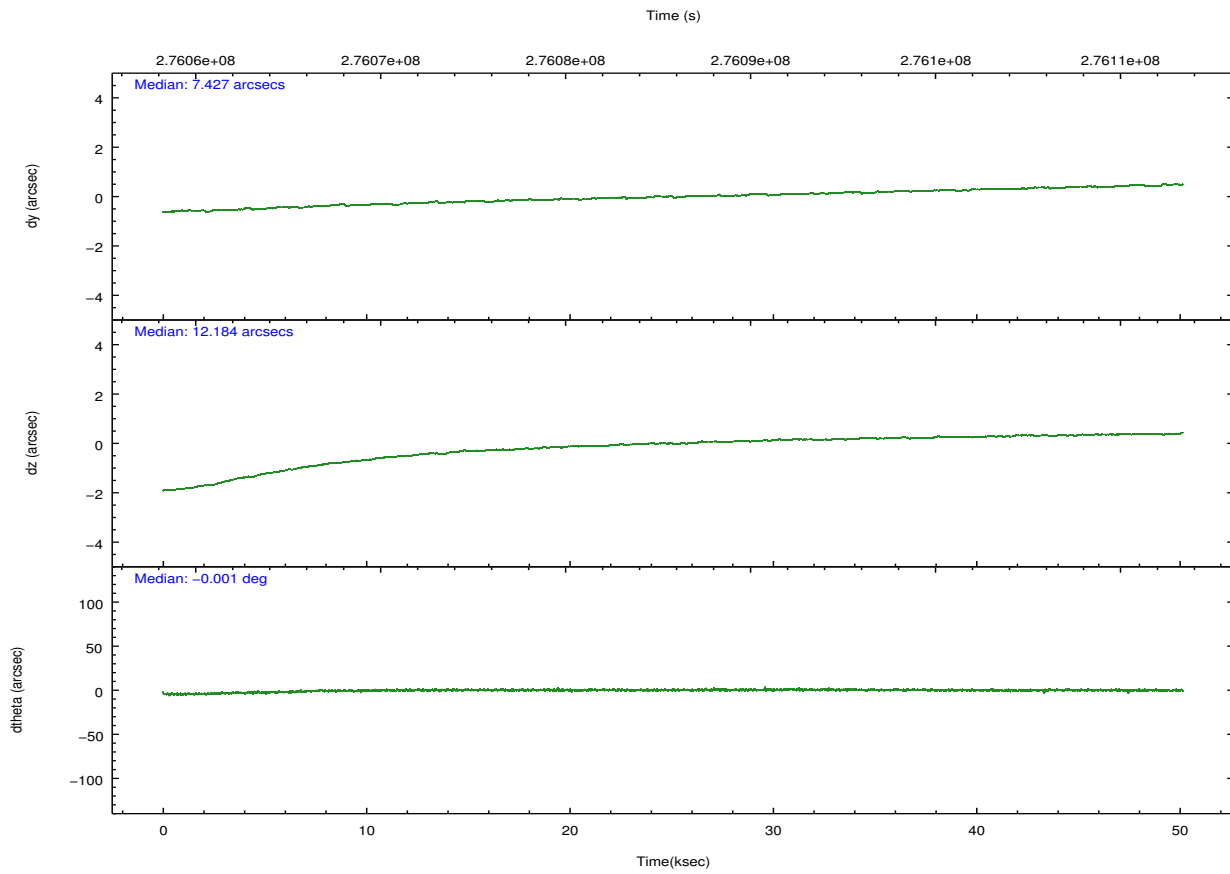
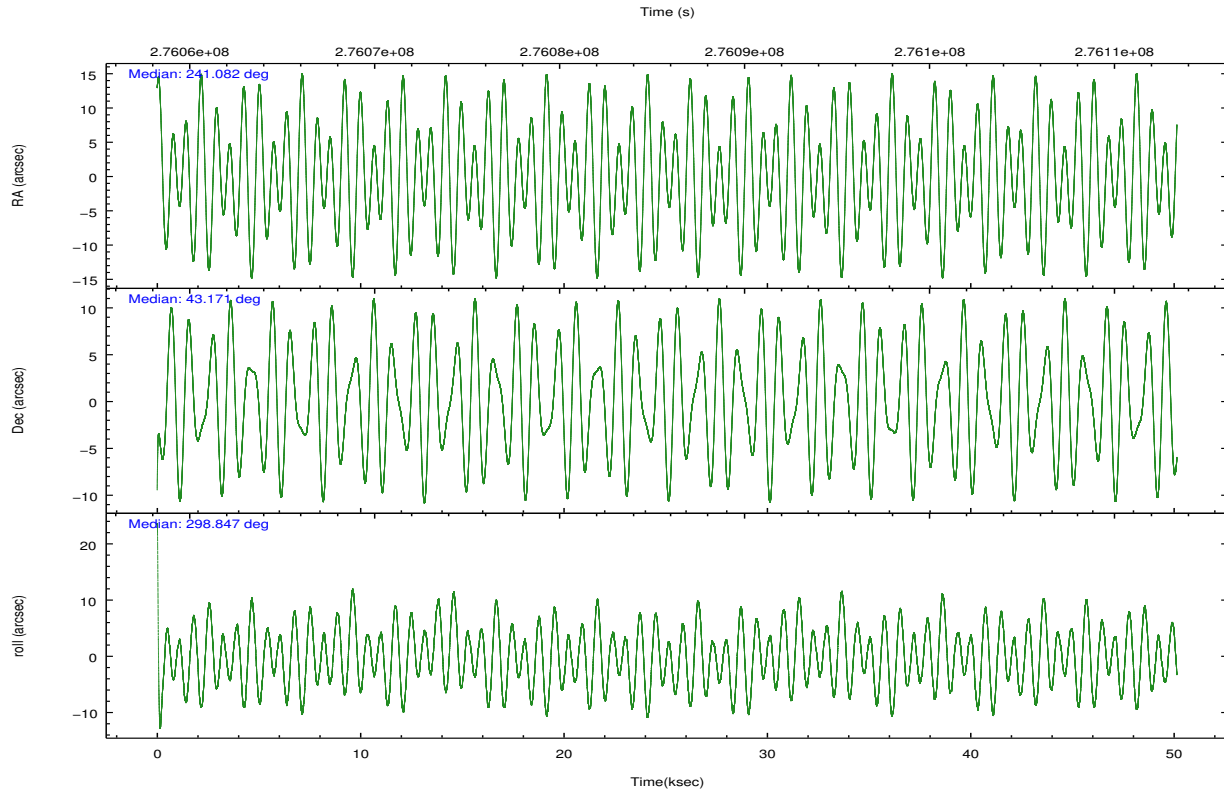
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	12910	15304	12929	12845	13463
	3%	4%	3%	3%	3%
grade 1 events	174	200	229	198	155
	0%	0%	0%	0%	0%
grade 2 events	8931	9325	8728	7801	8122
	2%	2%	2%	2%	2%
grade 3 events	4134	4572	3906	4027	4222
	1%	1%	0%	1%	1%
grade 4 events	3848	4508	3867	4037	4155
	1%	1%	0%	1%	1%
grade 5 events	12643	14267	11964	15075	14307
	3%	4%	2%	4%	3%
grade 6 events	7039	8233	6542	7098	7996
	1%	2%	1%	1%	2%
grade 7 events	318462	297133	357543	325777	319398
	86%	84%	88%	86%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	241.049729	241.0819622402729	Subarray requested	NONE	NONE
[deg] Pointing Dec	43.184746	43.17066556422815	Alternating exposures requested	N	N
[deg] Pointing Roll	298.671073	298.8577139258492	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	276060874.184000	276059720.23022			
Observation start date	2006-10-01T03:33:29	2006-10-01T03:15:20			
[s] Observation end time (MET)	276110874.184000	276111746.67017			
Observation end date	2006-10-01T17:26:49	2006-10-01T17:42:26			
Read mode	TIMED	TIMED			

2.3 Aspect



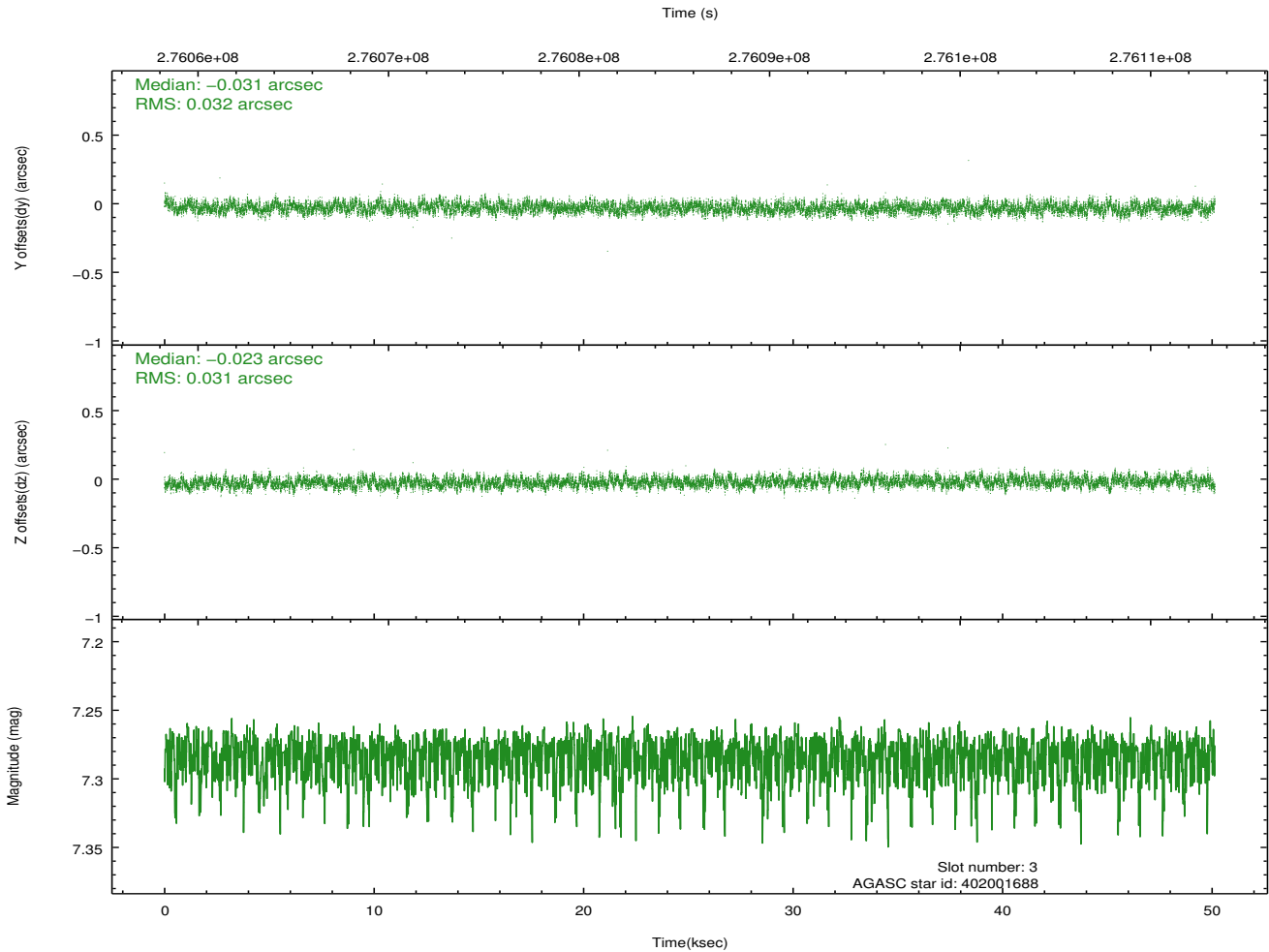
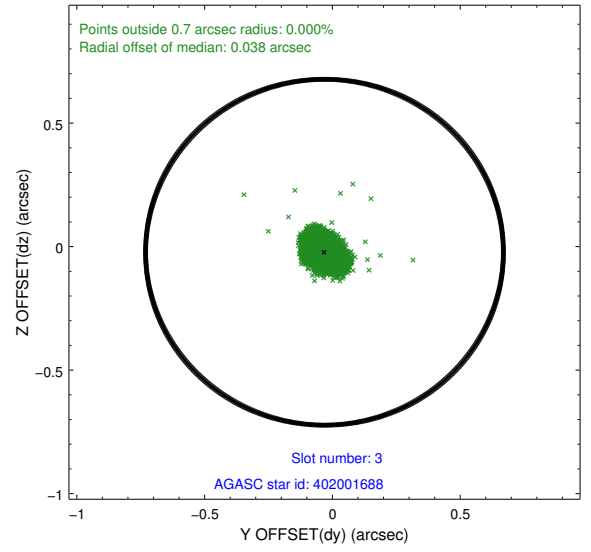
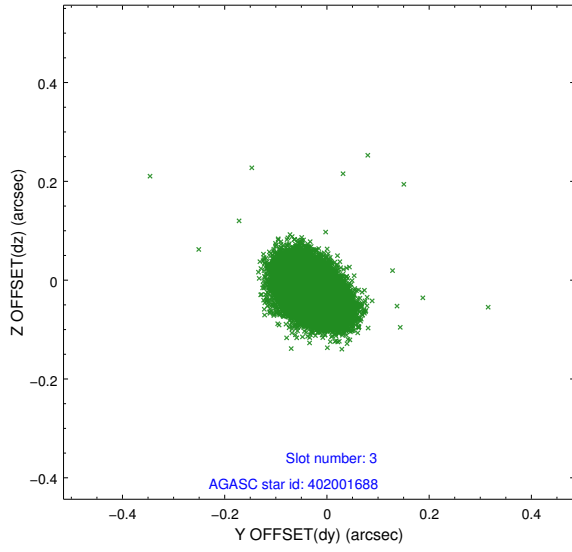


Slot Statistics

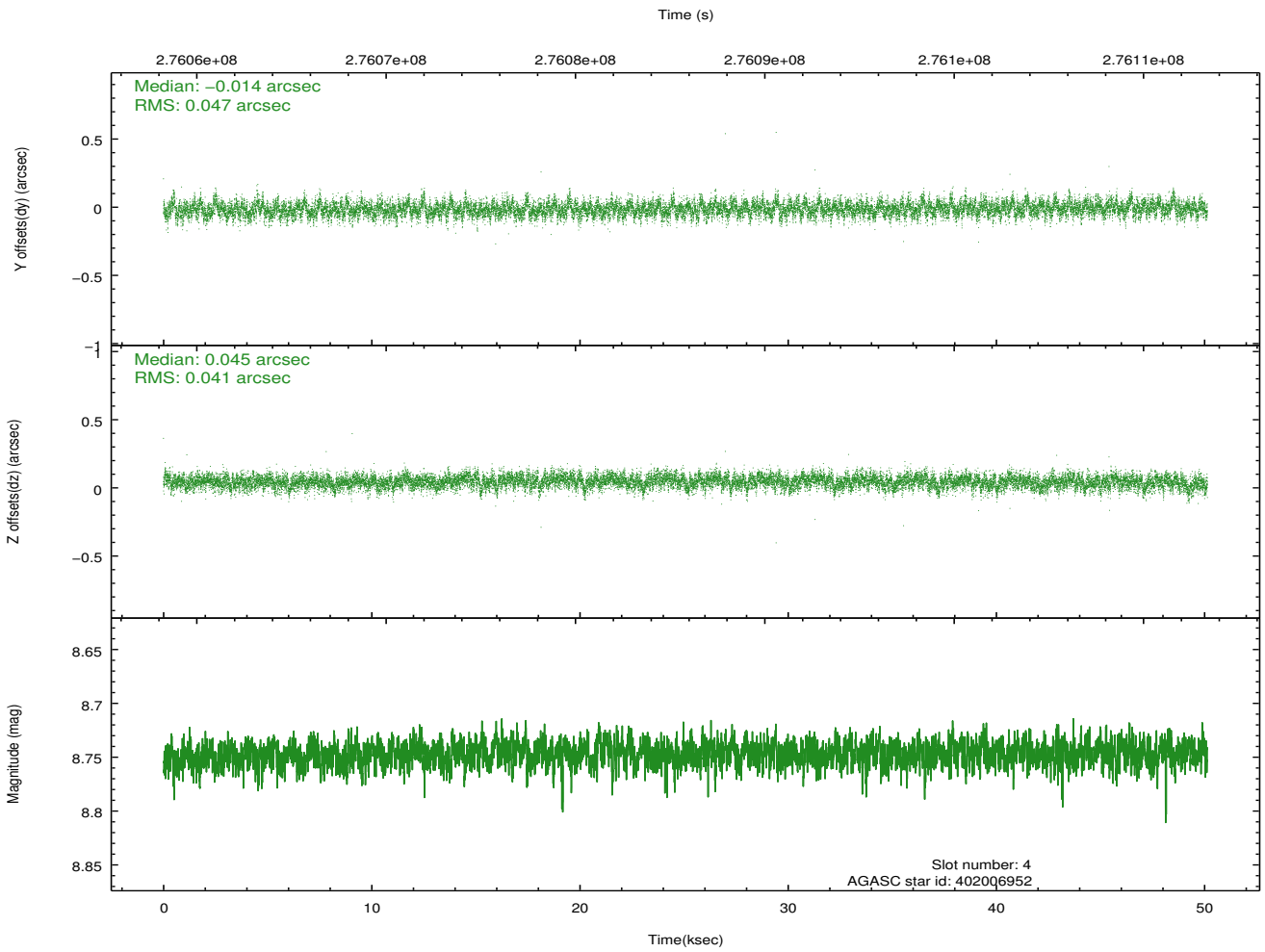
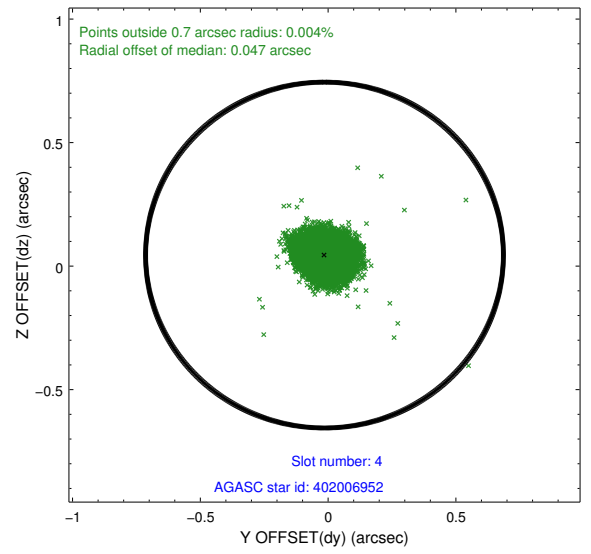
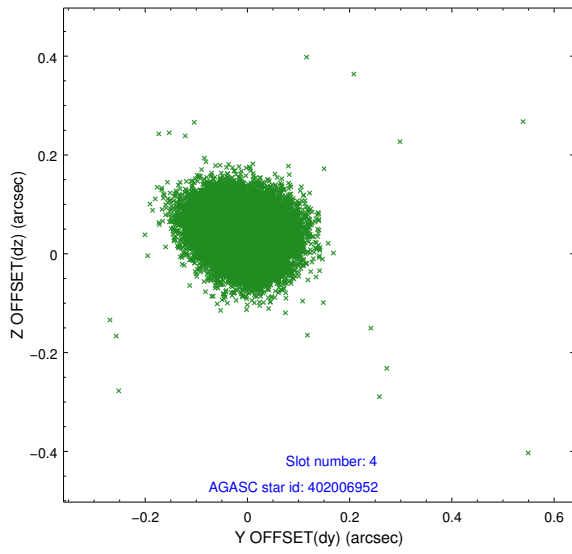
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	12229	-0.007	-0.085	0.018	0.031	0.000000	0.000000	-761.94	-841.93
1	FID	ACIS-I-5	7.23	12228	-0.142	0.078	0.014	0.021	0.000000	0.000000	-1816.11	1062.12
2	FID	ACIS-I-6	7.24	12229	0.056	0.076	0.012	0.024	0.000000	0.000000	397.92	1706.56
3	GUIDE	402001688	7.28	24457	-0.031	-0.023	0.047	0.078	241.364067	43.719053	-1296.54	1641.19
4	GUIDE	402006952	8.75	24441	-0.014	0.045	0.065	0.107	240.778900	42.616928	1448.91	-1609.05
5	GUIDE	402007168	8.27	24456	-0.029	0.083	0.073	0.112	240.453077	43.473225	-1663.23	-866.86
6	GUIDE	402009440	8.73	24377	0.005	-0.047	0.079	0.129	240.439336	42.842846	302.49	-2001.09
7	GUIDE	402010648	9.66	24282	0.073	-0.056	0.109	0.176	240.644044	42.505695	1626.93	-2115.84

2.4 Star Slots

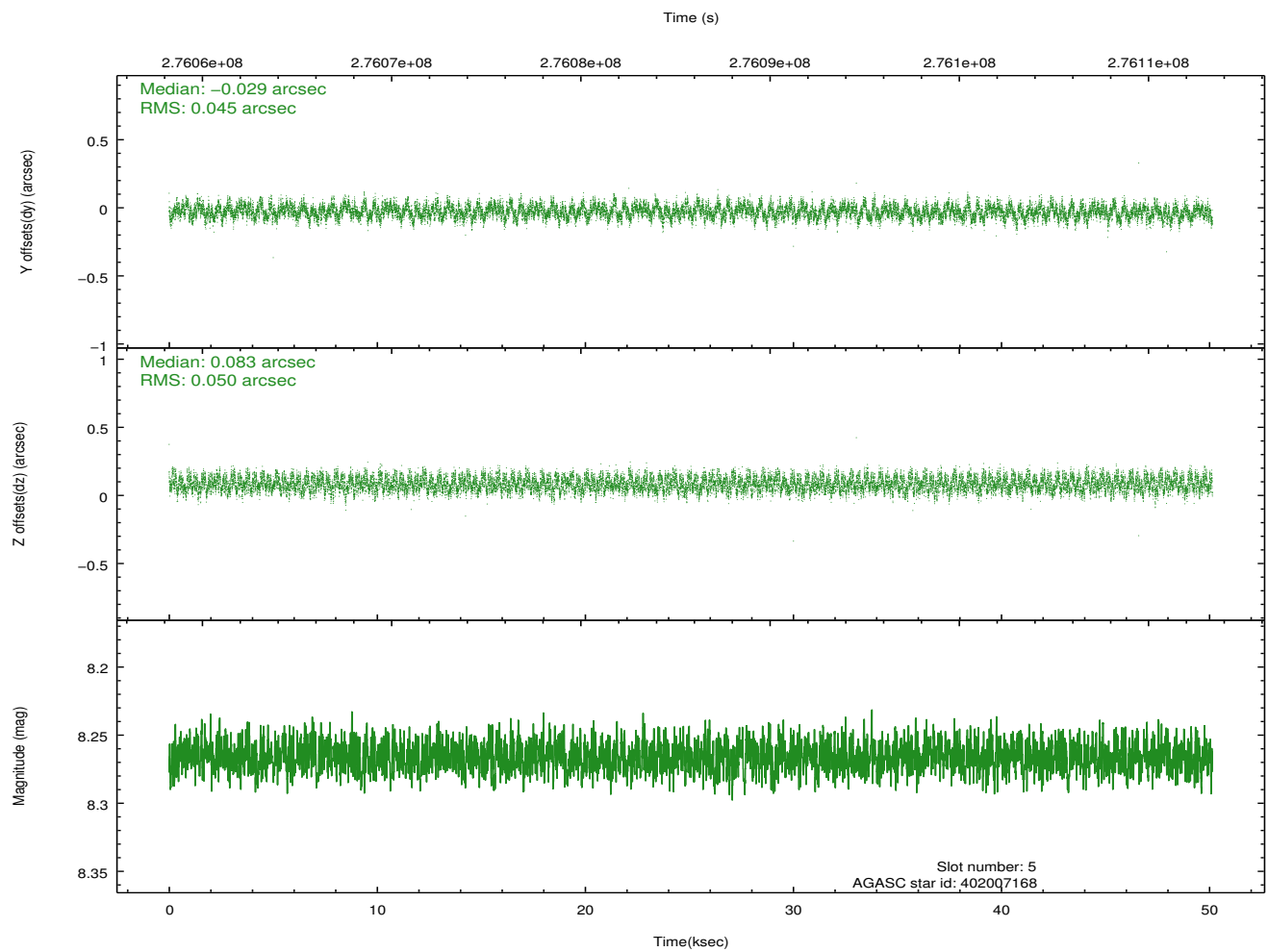
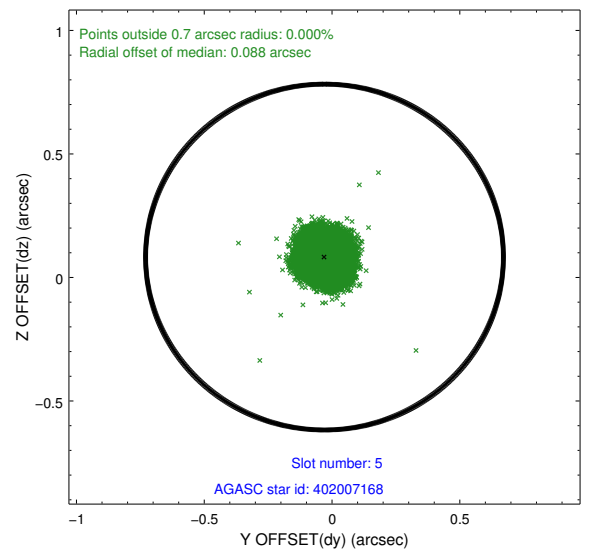
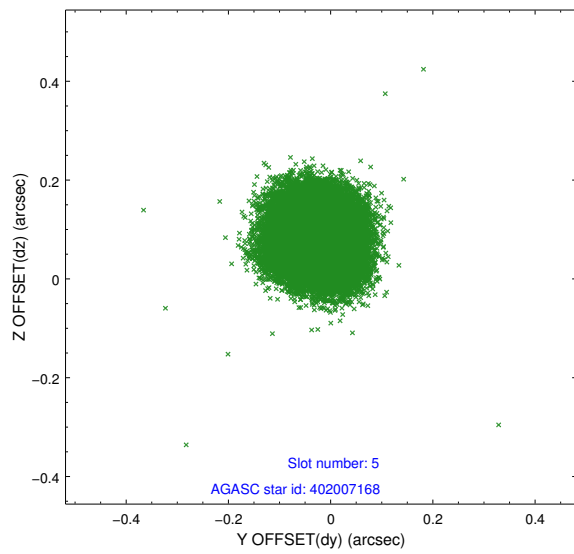
2.4.1 Slot 3



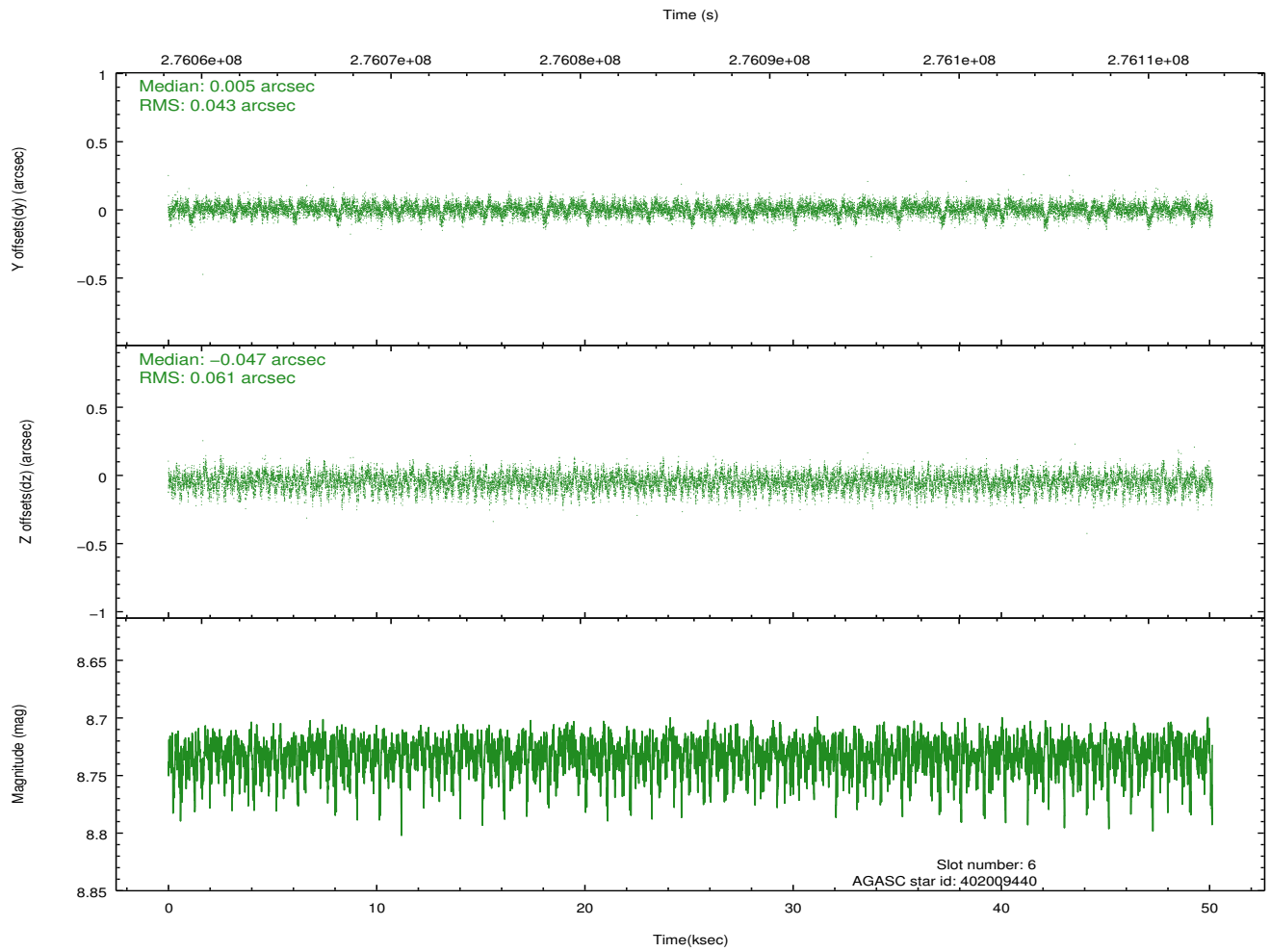
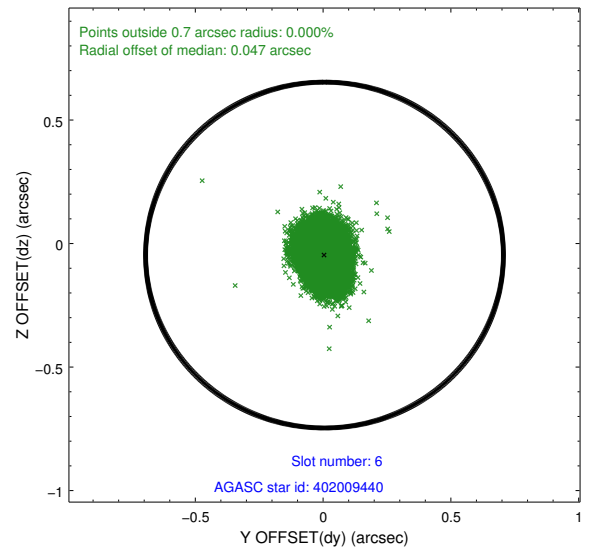
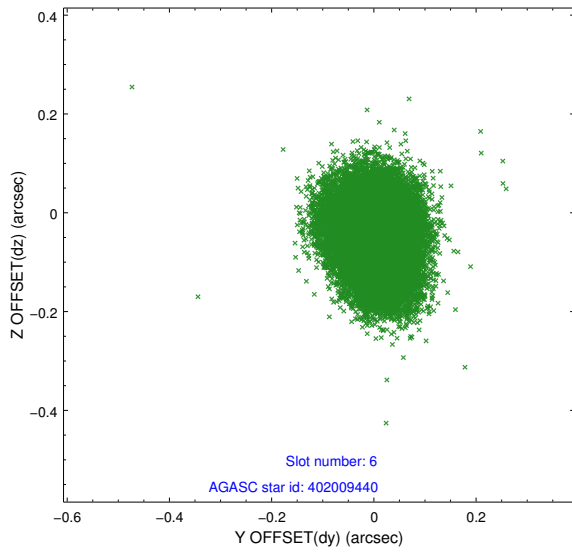
2.4.2 Slot 4



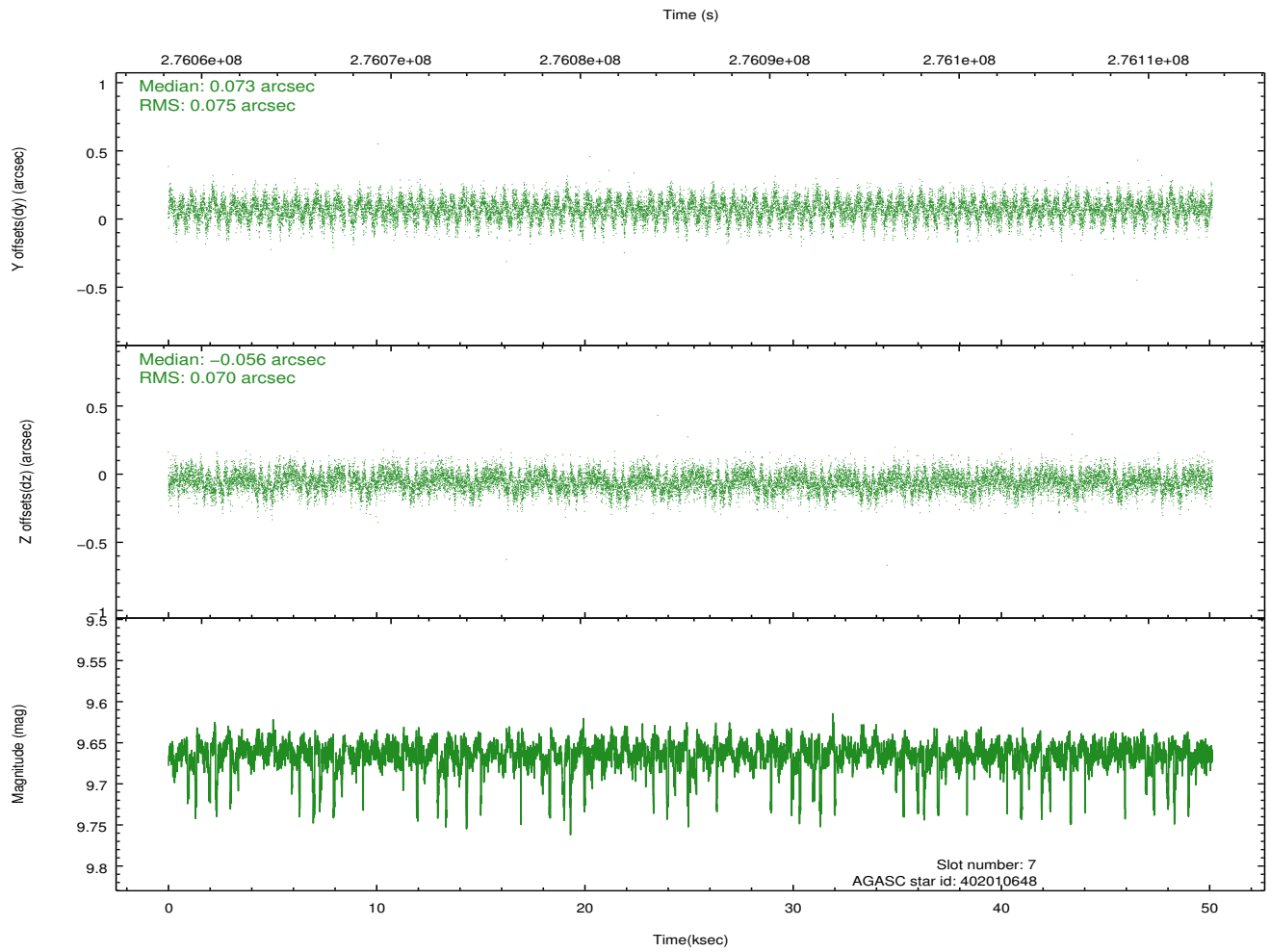
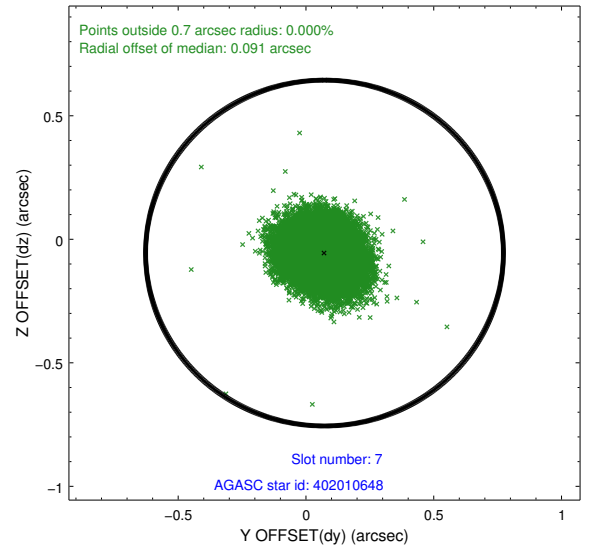
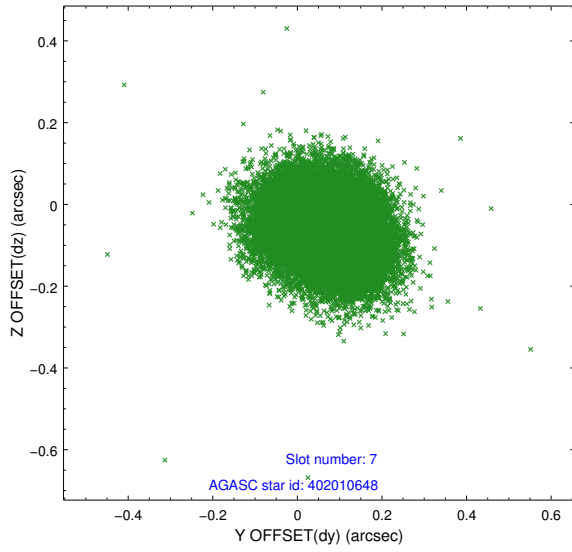
2.4.3 Slot 5



2.4.4 Slot 6

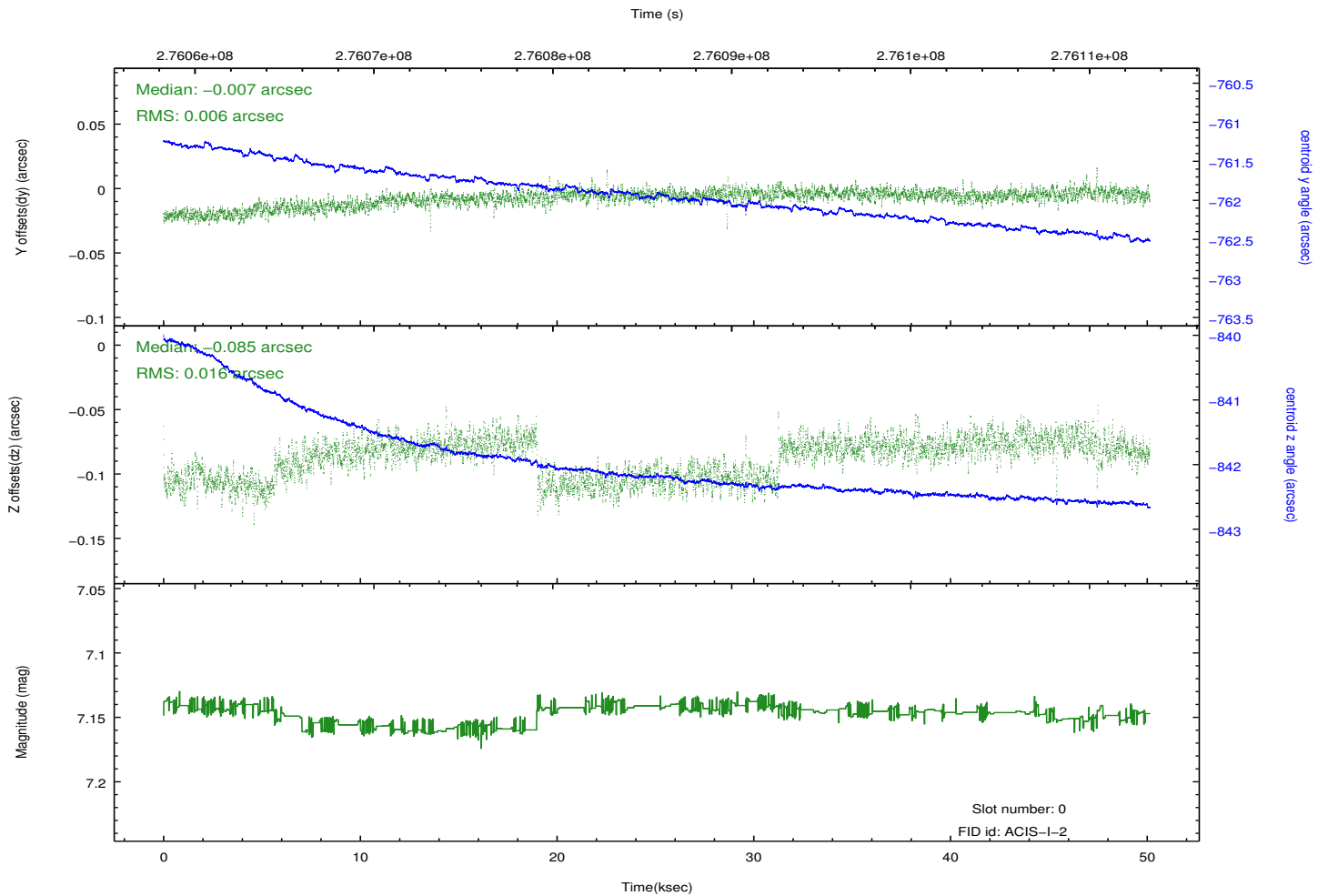
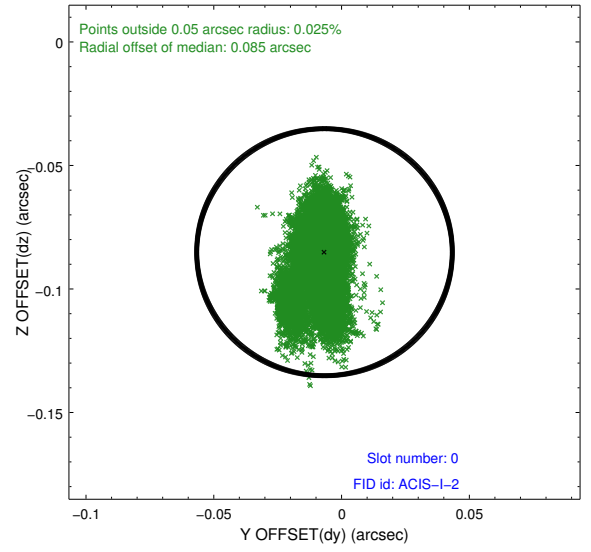
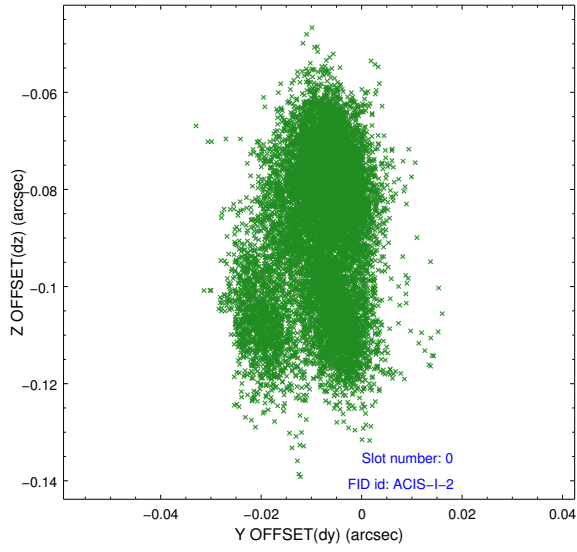


2.4.5 Slot 7

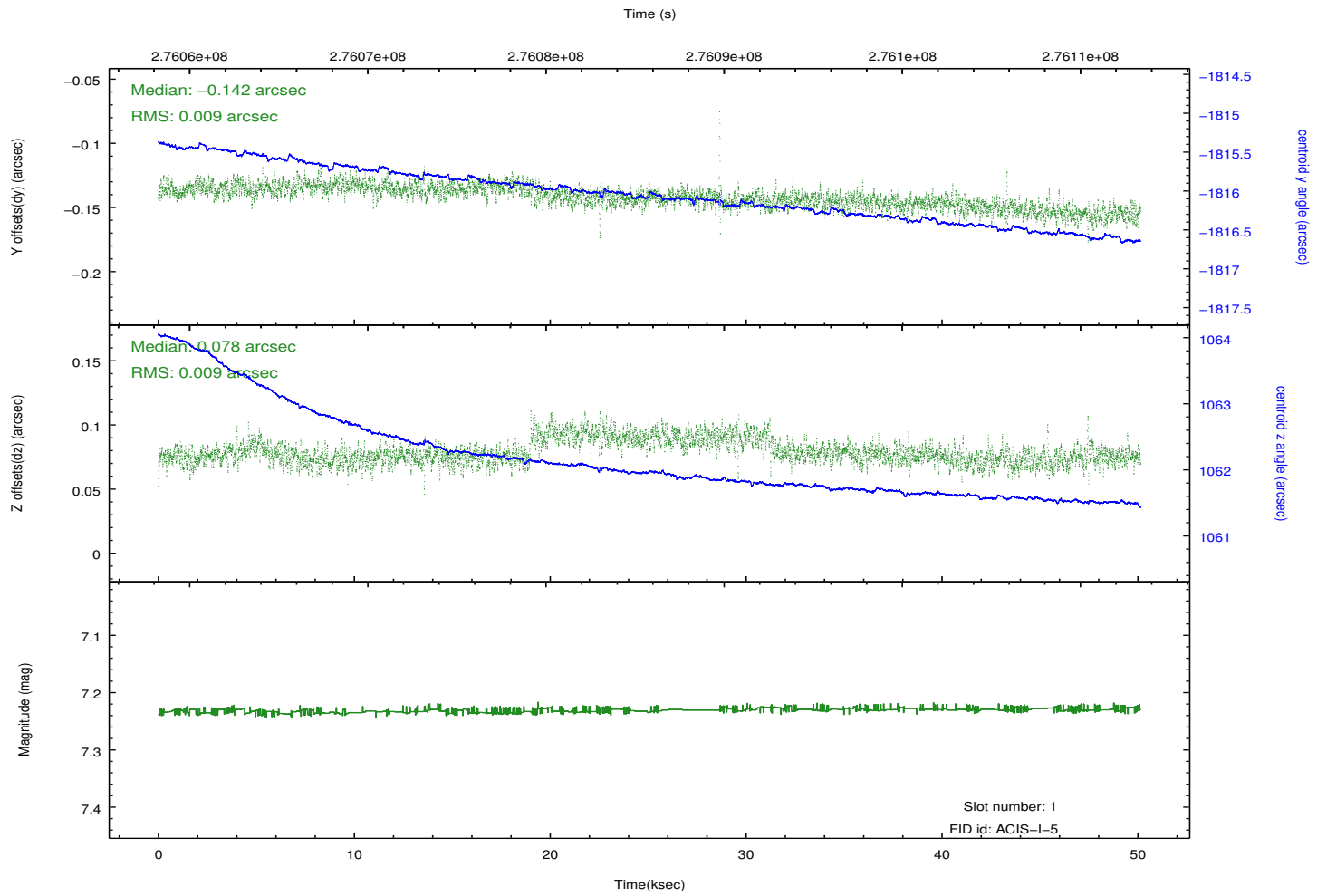
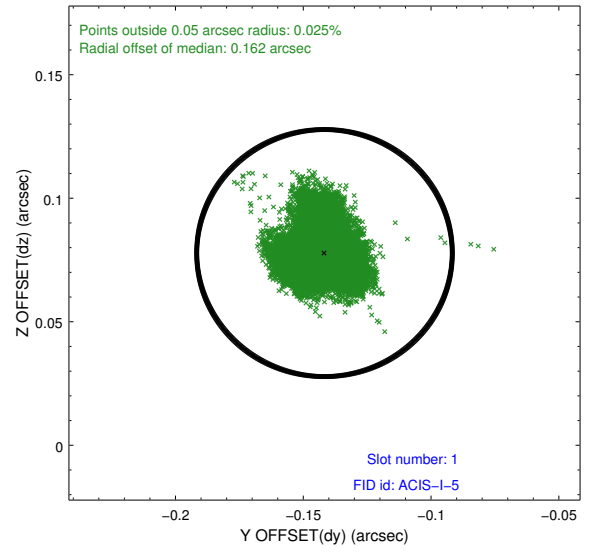
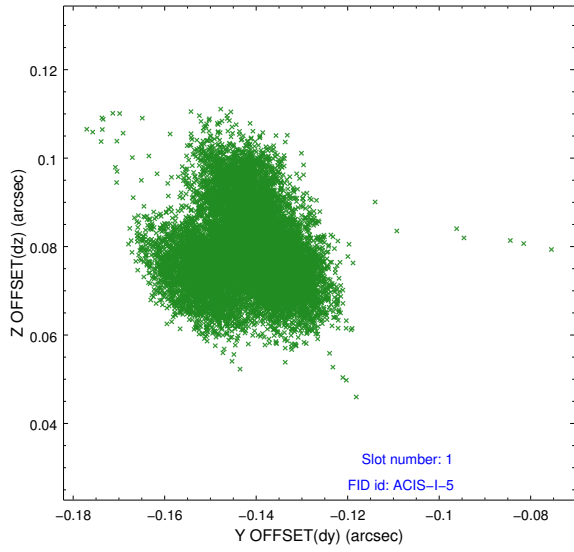


2.5 FID Slots

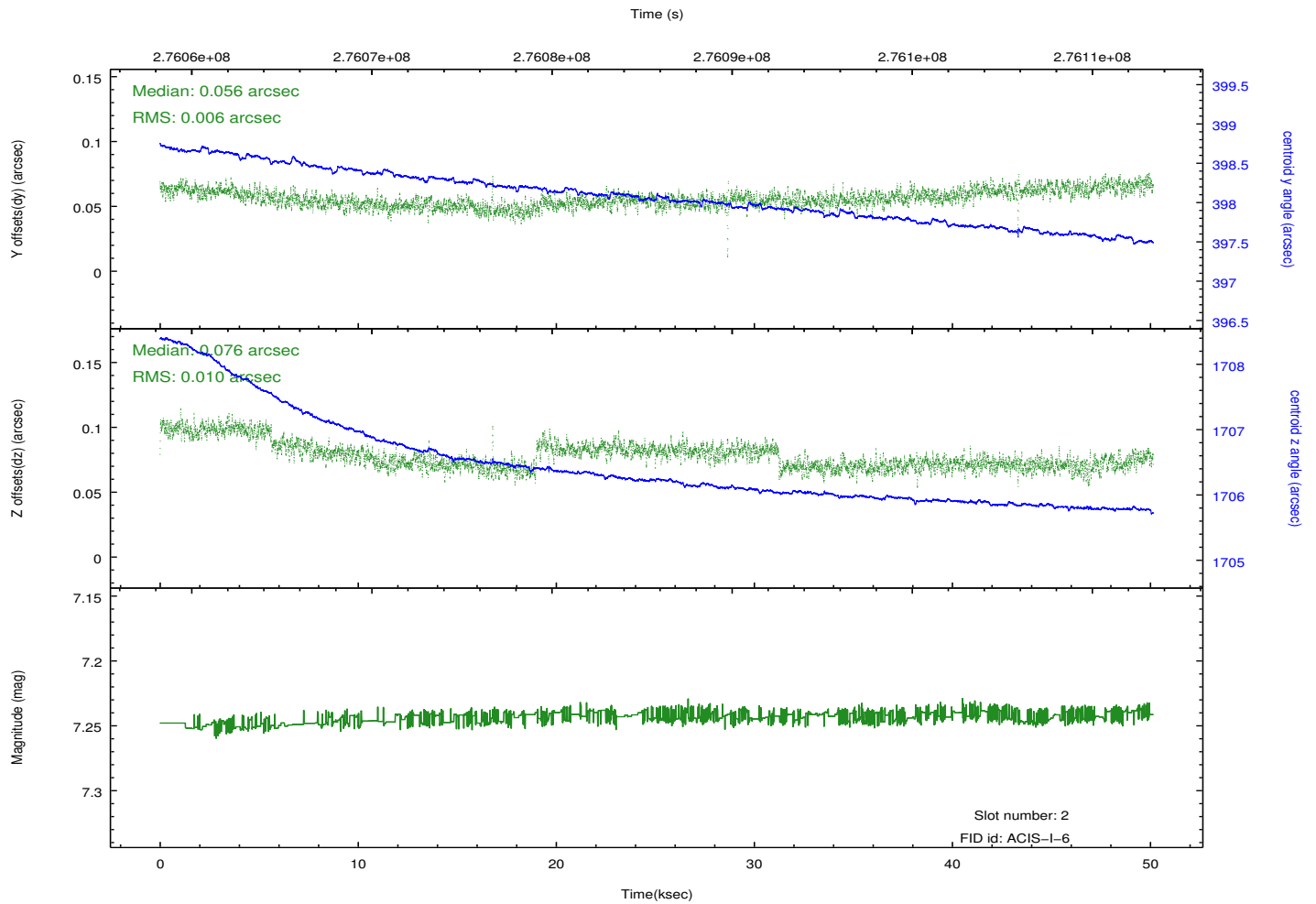
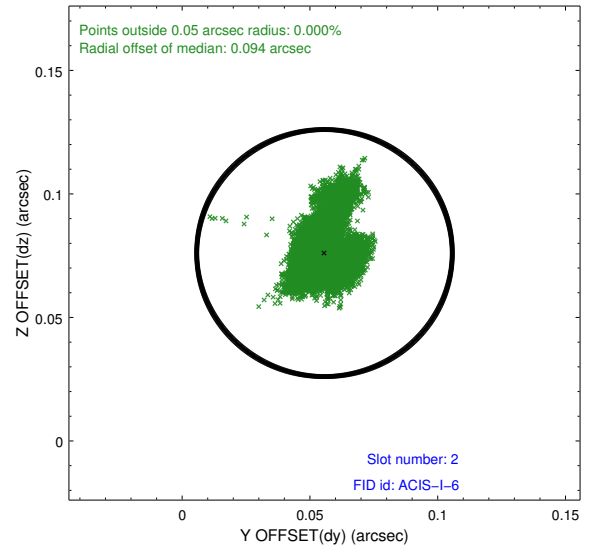
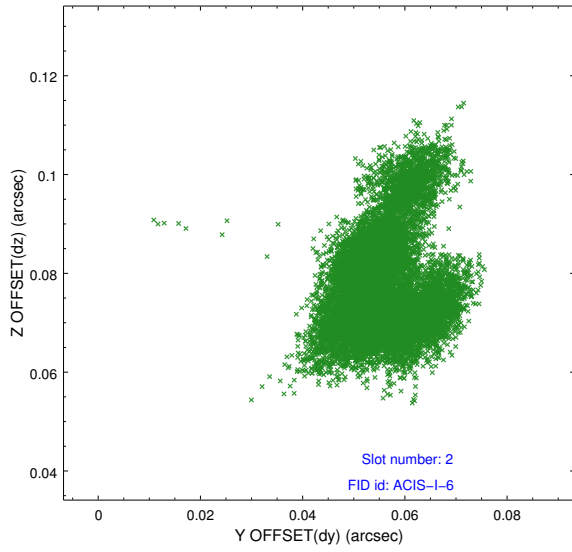
2.5.1 Slot 0



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)	2012.04.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.1331184

A.2 Comments