

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4170 - L2 Version 3
Chandra X-Ray Center

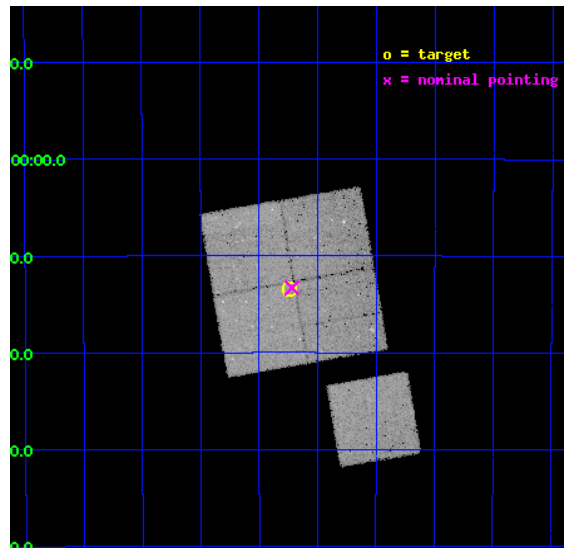
L2 Processing Date : Oct 28 2012

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

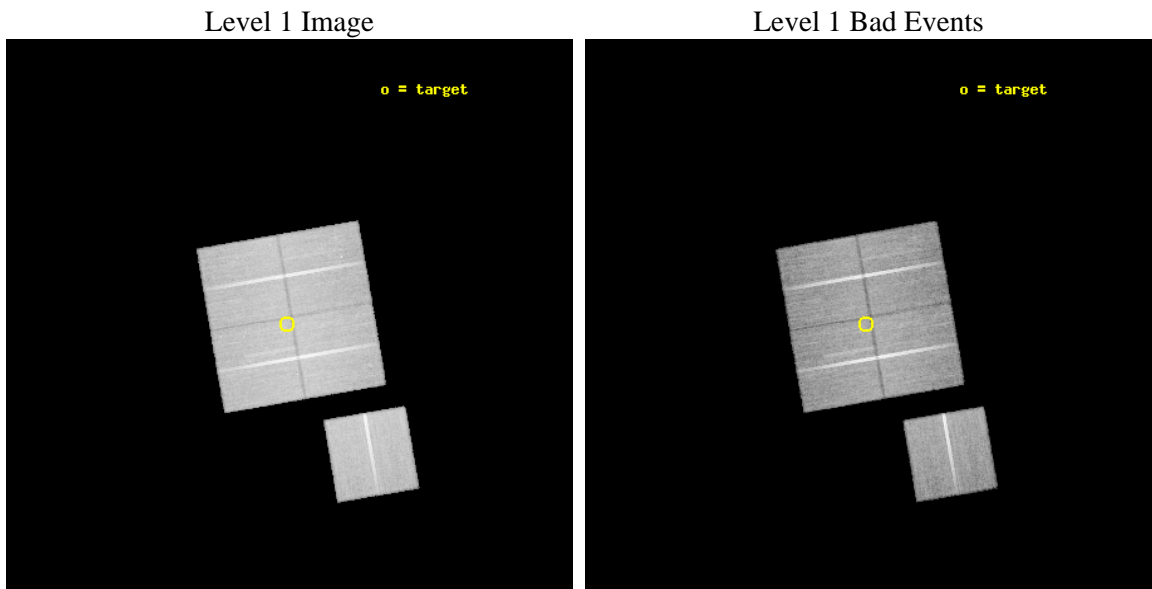
seq_num	800326	Sequence number
obs_id	4170	Observation id
title	SURVEYING THE FORNAX CLUSTER OF GALAXIES	Proposal title
observer	Dr Caleb Scharf	Principal investigator
object	FORNAX CLUSTER	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	54.30999	Observer's specified target RA [deg]
dec_targ	-35.2244	Observer's specified target Dec [deg]
ra_nom	54.305237876415	Nominal RA [deg]
dec_nom	-35.221892479016	Nominal Dec [deg]
roll_nom	170.20594257601	Nominal Roll [deg]
revision	3	Processing version of data
ontime	45181.335097998	Sum of GTIs [s]
livetime	44591.007692928	Livetime [s]
ontime0	45184.352968127	Sum of GTIs [s]
ontime1	45184.393978238	Sum of GTIs [s]
ontime2	45184.435018241	Sum of GTIs [s]
ontime3	45181.335097998	Sum of GTIs [s]
ontime6	45178.029987782	Sum of GTIs [s]
l2events	131425	Number of level 2 events



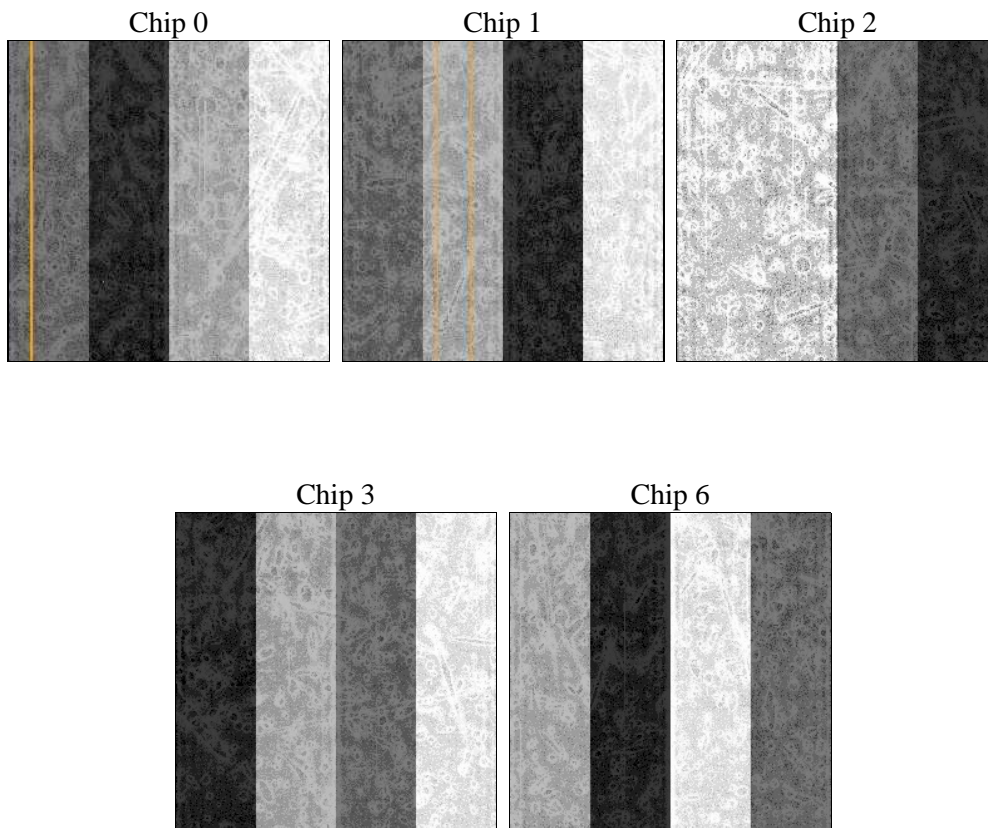
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	45416.986000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	45181.335097998	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	45184.352968127	Sum of GTIs [s]
date	2012-10-28T13:41:30	Date and time of file creation	ontime1	45184.393978238	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	45184.435018241	Sum of GTIs [s]
			ontime3	45181.335097998	Sum of GTIs [s]
			ontime6	45178.029987782	Sum of GTIs [s]
			l1events	1237184	Number of level 1 events

2.1.4 Events

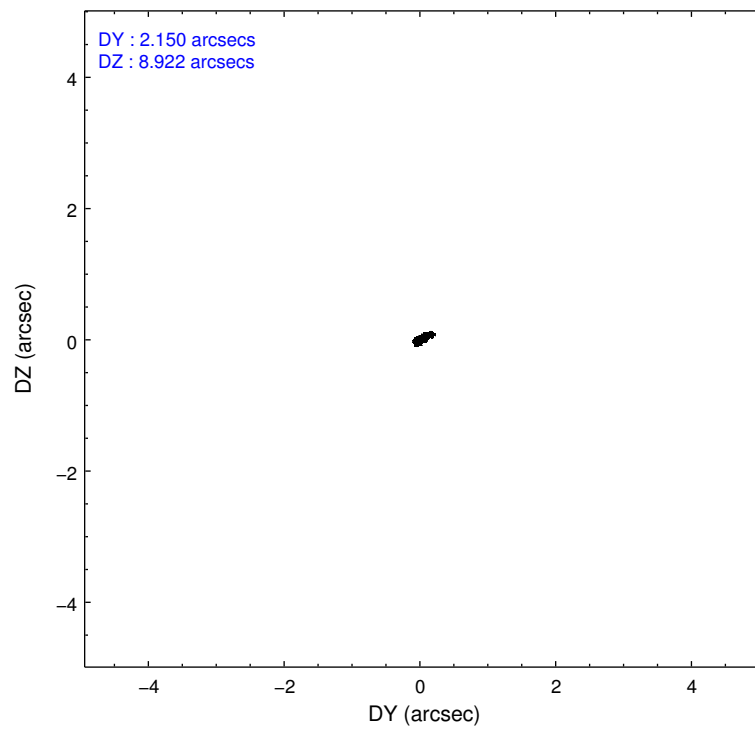
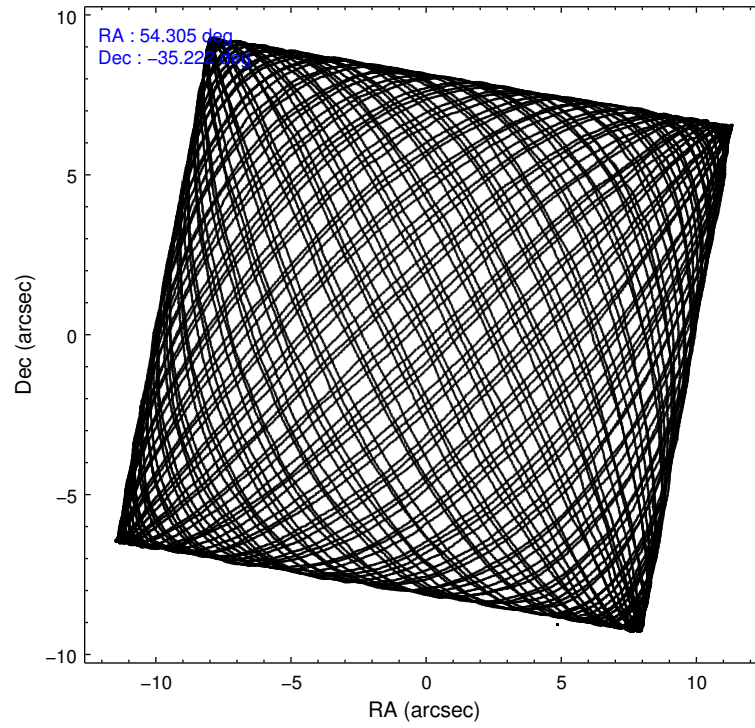
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	230550	241194	259502	257662	248276
rejected events	202427	206710	230945	223810	218980
rejected %	87%	85%	88%	86%	88%

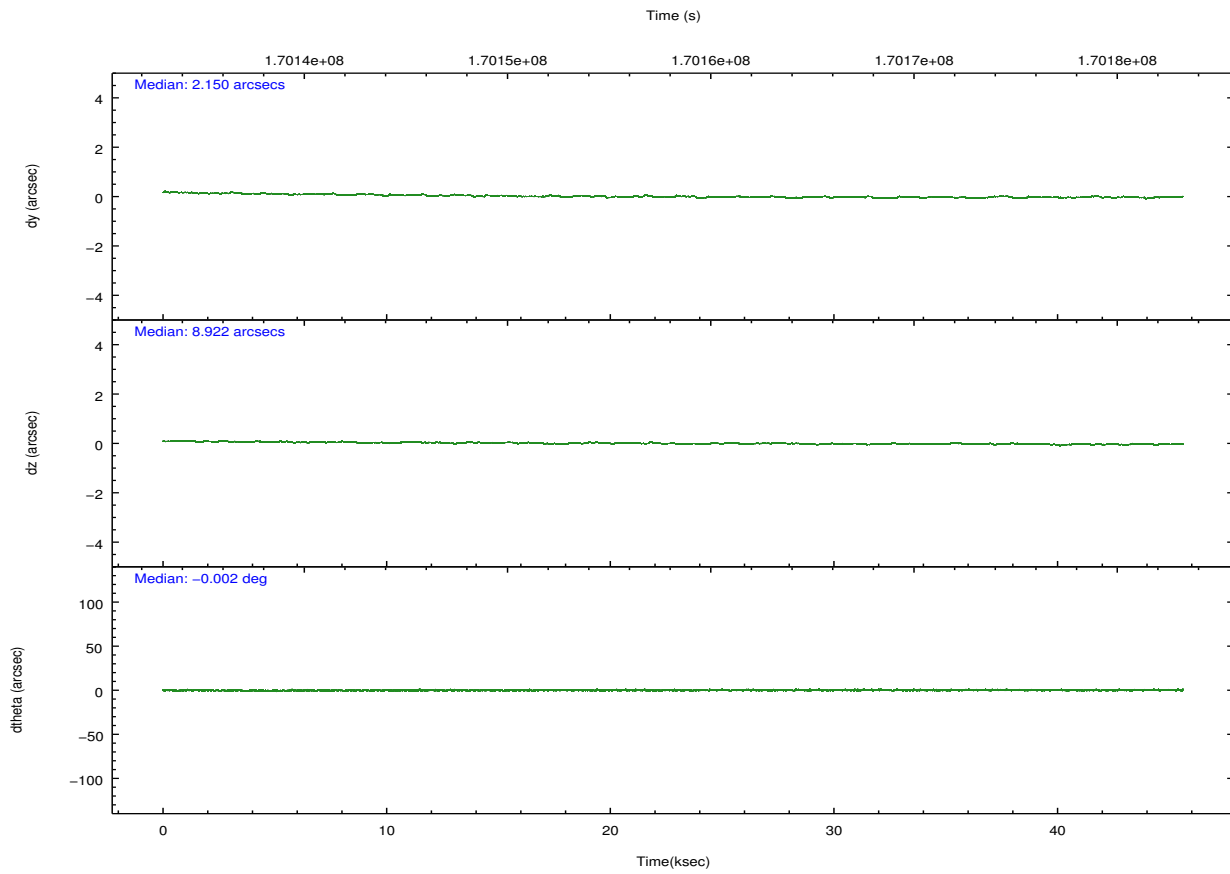
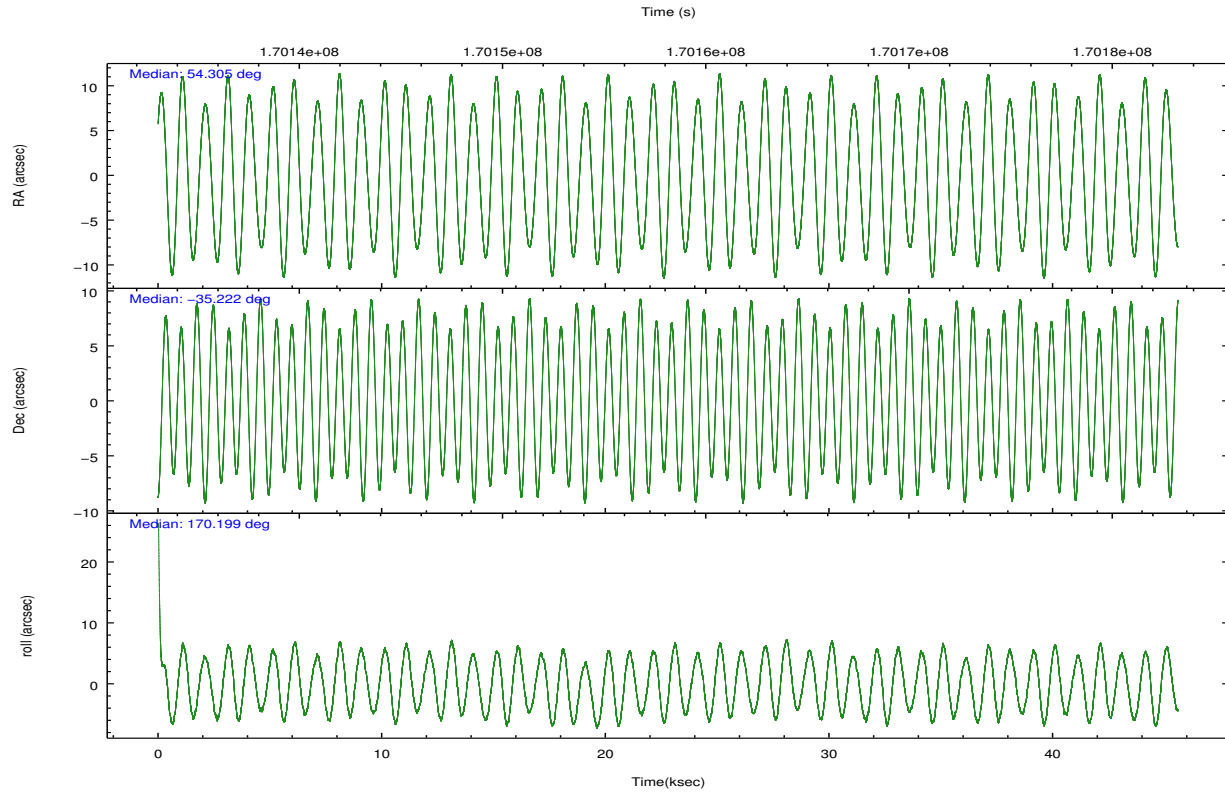
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	11773	16109	12621	17349	12354
	5%	6%	4%	6%	4%
grade 1 events	106	121	135	175	109
	0%	0%	0%	0%	0%
grade 2 events	5844	6170	6039	5769	5559
	2%	2%	2%	2%	2%
grade 3 events	3056	3338	2776	2994	3065
	1%	1%	1%	1%	1%
grade 4 events	2760	3277	2747	2984	2885
	1%	1%	1%	1%	1%
grade 5 events	8340	9029	7917	9551	9186
	3%	3%	3%	3%	3%
grade 6 events	4690	5595	4379	4762	5435
	2%	2%	1%	1%	2%
grade 7 events	193981	197555	222888	214078	209683
	84%	81%	85%	83%	84%

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	54.336620	54.30523787641469	Subarray requested	NONE	NONE
[deg] Pointing Dec	-35.212328	-35.22189247901625	Alternating exposures requested	N	N
[deg] Pointing Roll	170.015359	170.2059425760095	[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)	170135533.184000	170135157.15053			
Observation start date	2003-05-24T03:51:09	2003-05-24T03:45:57			
[s] Observation end time (MET)	170180950.184000	170181264.72748			
Observation end date	2003-05-24T16:28:06	2003-05-24T16:34:24			
Read mode	TIMED	TIMED			

2.3 Aspect





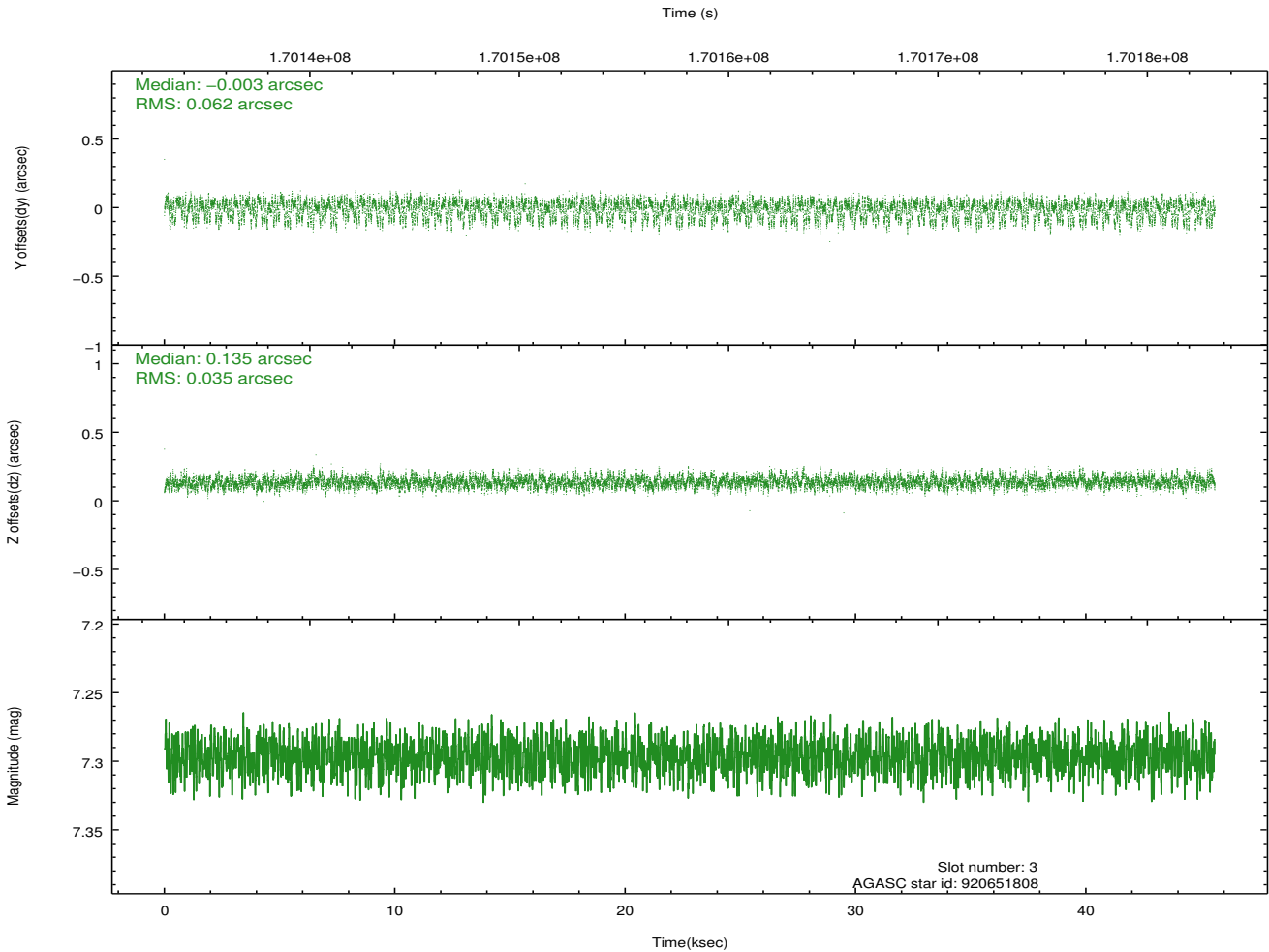
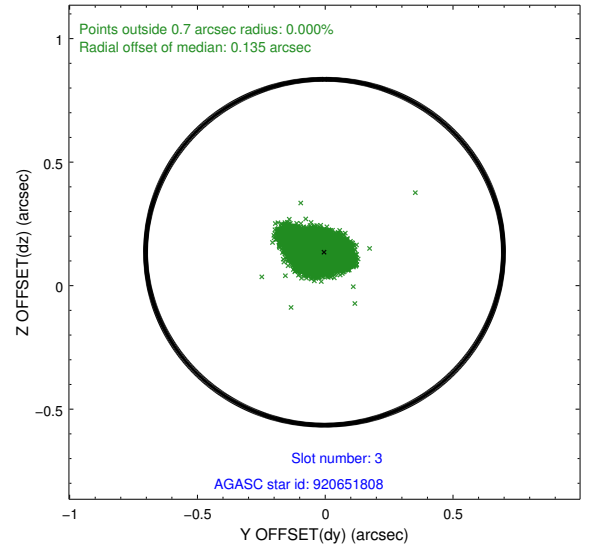
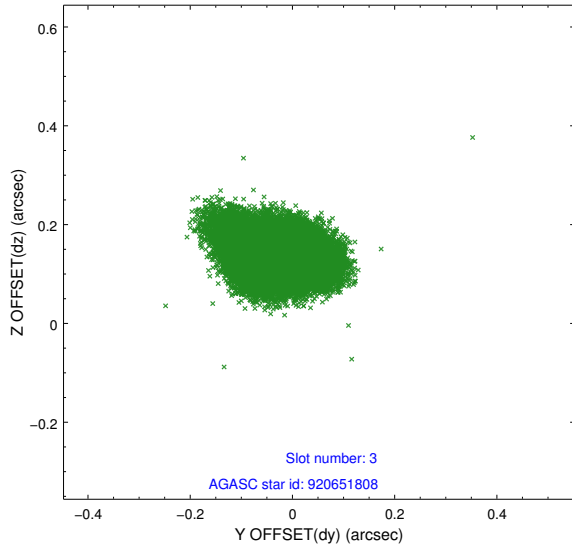
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	11121	-0.033	0.063	0.007	0.012	0.000000	0.000000	937.61	-832.31
1	FID	ACIS-I-5	7.23	11122	-0.064	0.022	0.007	0.011	0.000000	0.000000	-1810.53	1065.13
2	FID	ACIS-I-6	7.26	11122	0.006	-0.014	0.007	0.012	0.000000	0.000000	403.20	1709.60
3	GUIDE	920651808	7.30	22245	-0.003	0.135	0.074	0.128	53.624364	-34.832415	2308.93	-973.76
4	GUIDE	921571056	8.55	22239	-0.232	0.041	0.064	0.107	54.339011	-34.649674	344.51	-1995.73
5	GUIDE	921572720	8.73	22244	0.026	0.052	0.059	0.098	54.127171	-34.789534	874.03	-1390.60
6	GUIDE	921965624	8.65	22233	0.042	-0.144	0.092	0.155	54.900706	-35.940077	-2074.44	2299.72
7	GUIDE	921966544	7.91	22237	0.165	-0.084	0.052	0.088	54.743508	-35.636012	-1437.19	1298.49

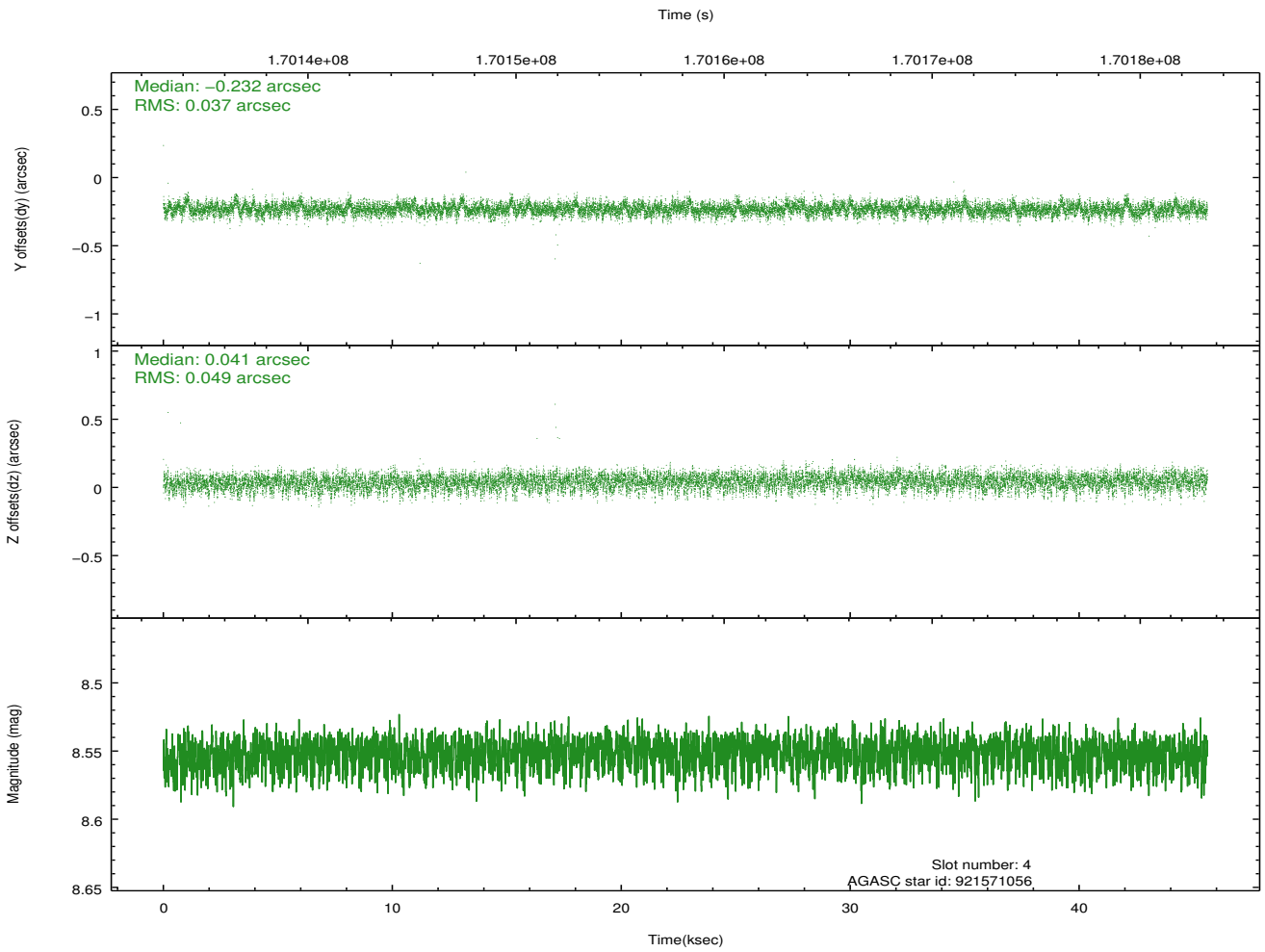
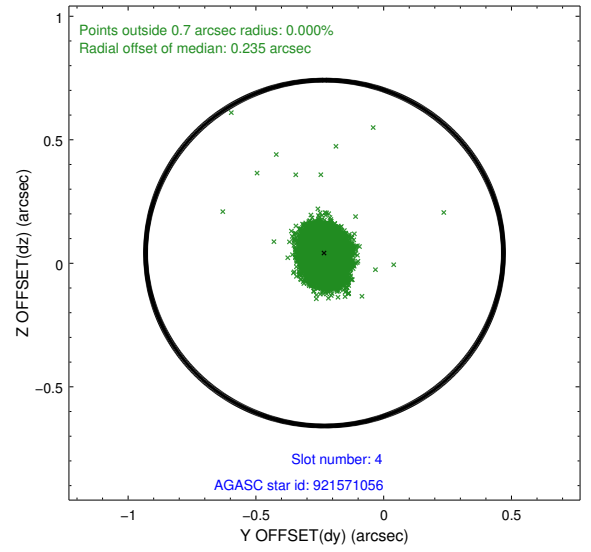
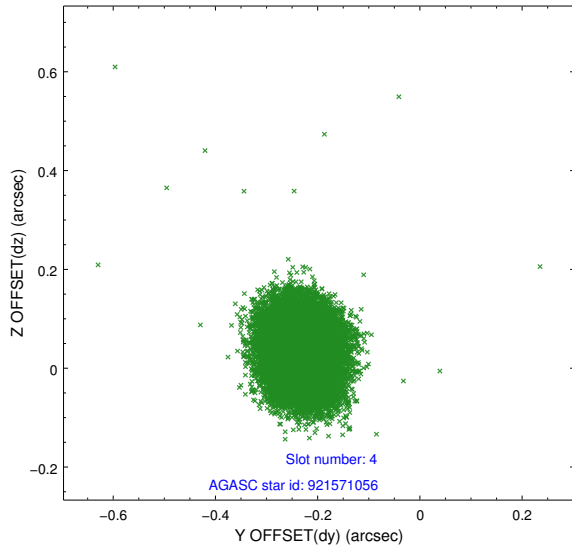
∞

2.4 Star Slots

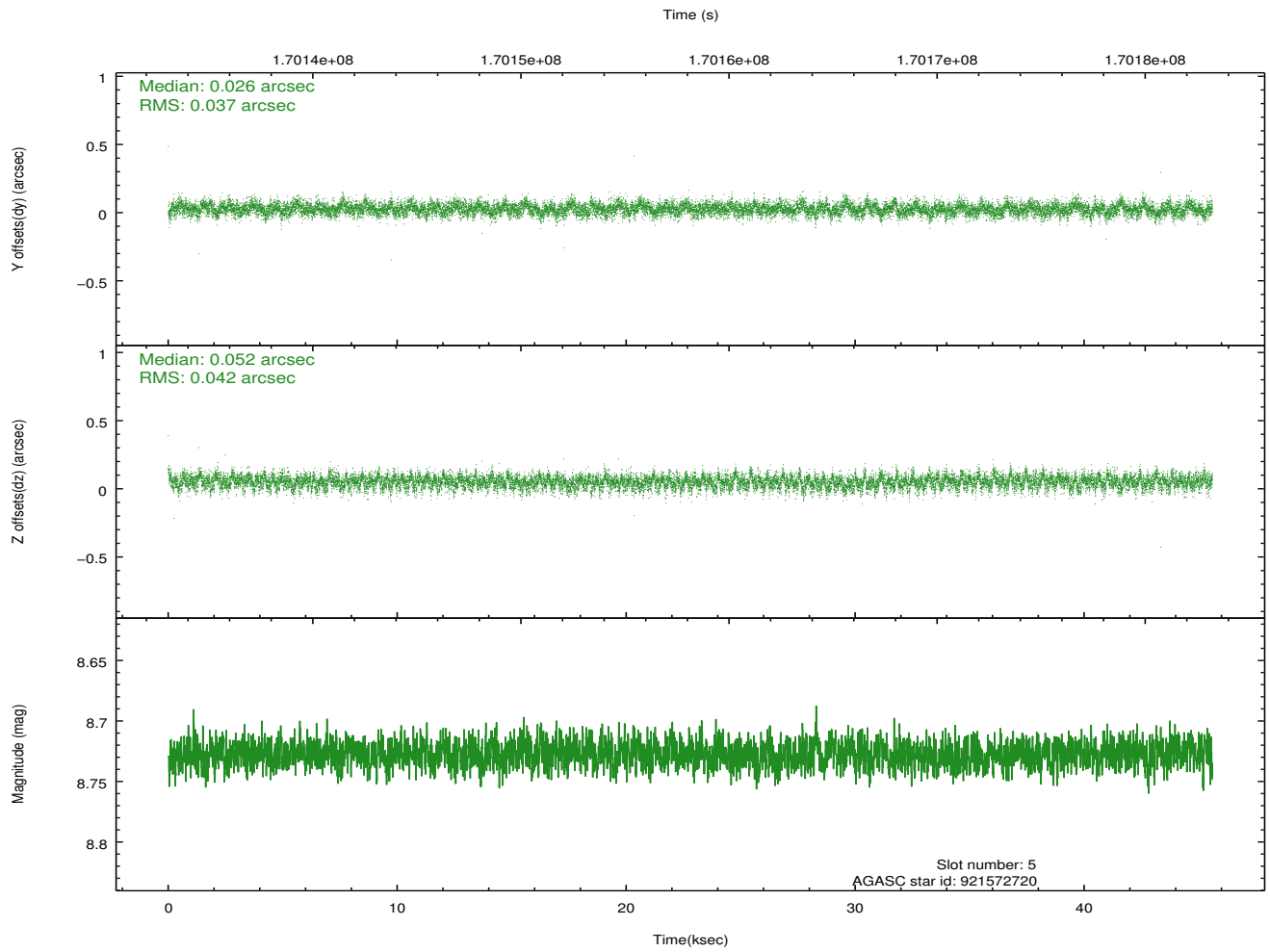
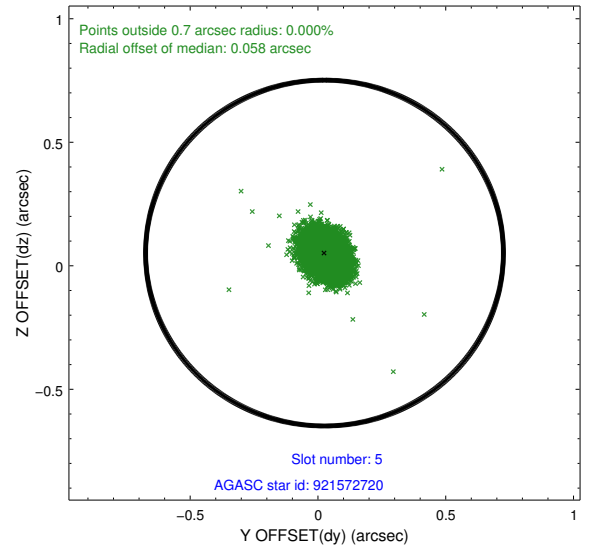
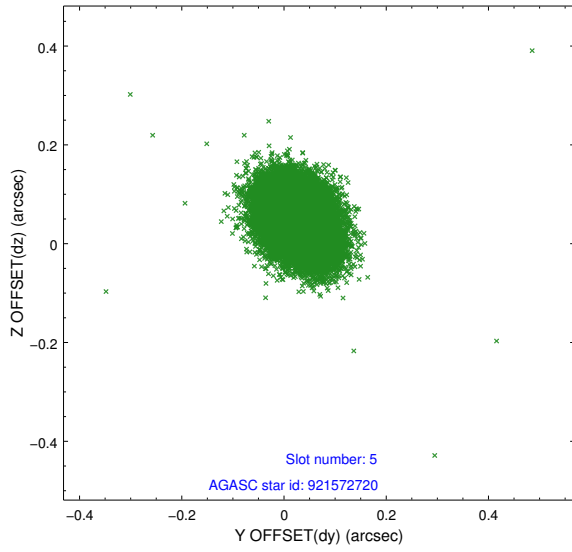
2.4.1 Slot 3



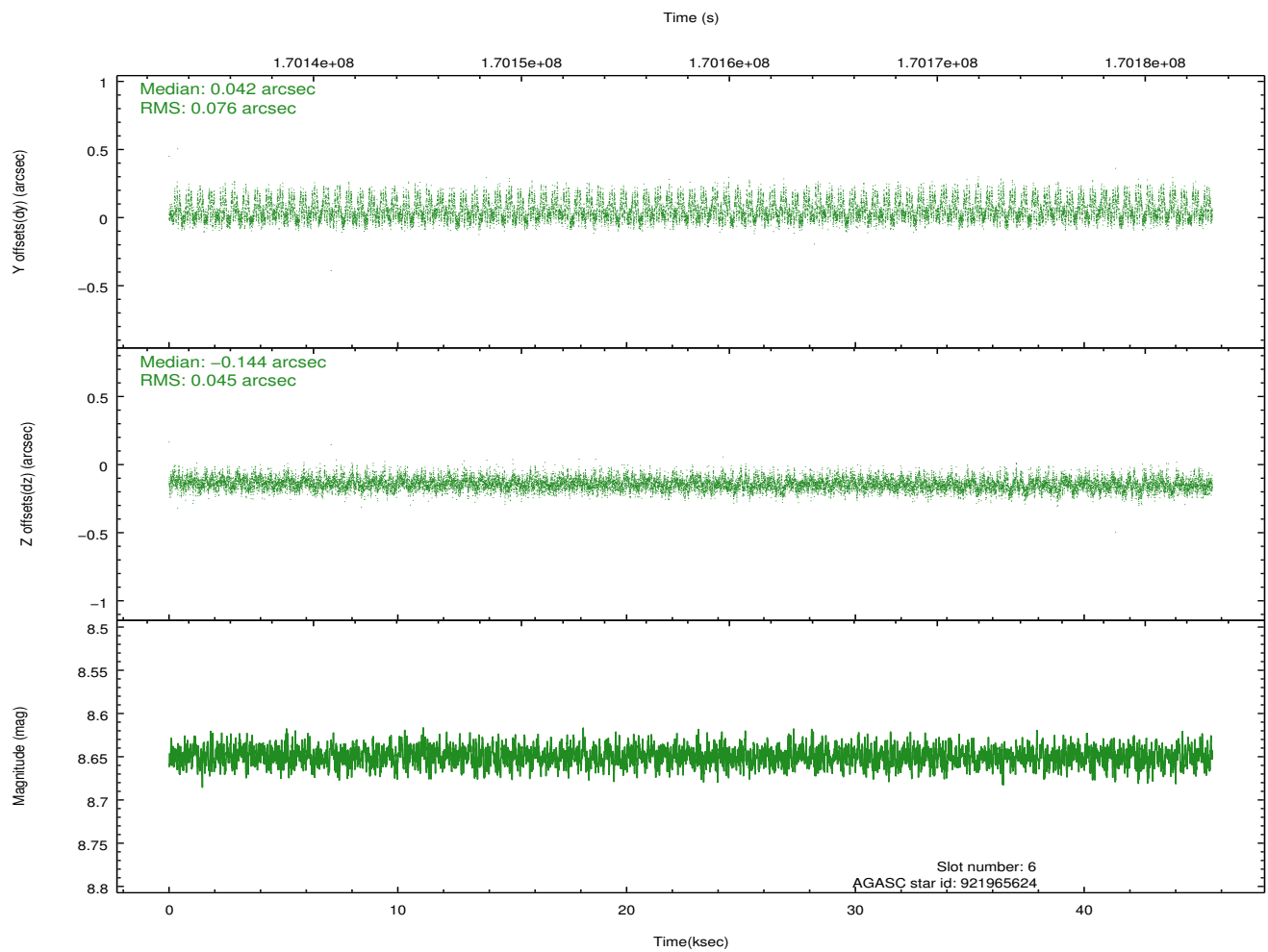
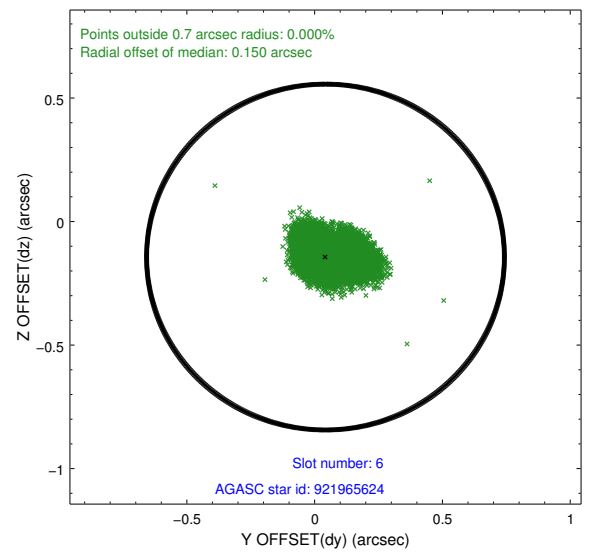
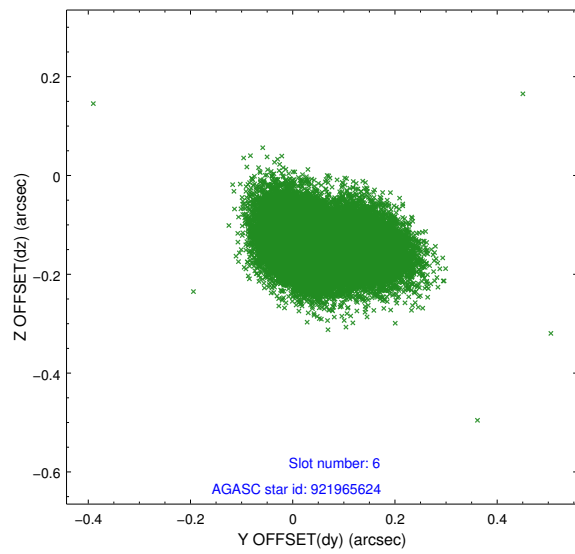
2.4.2 Slot 4



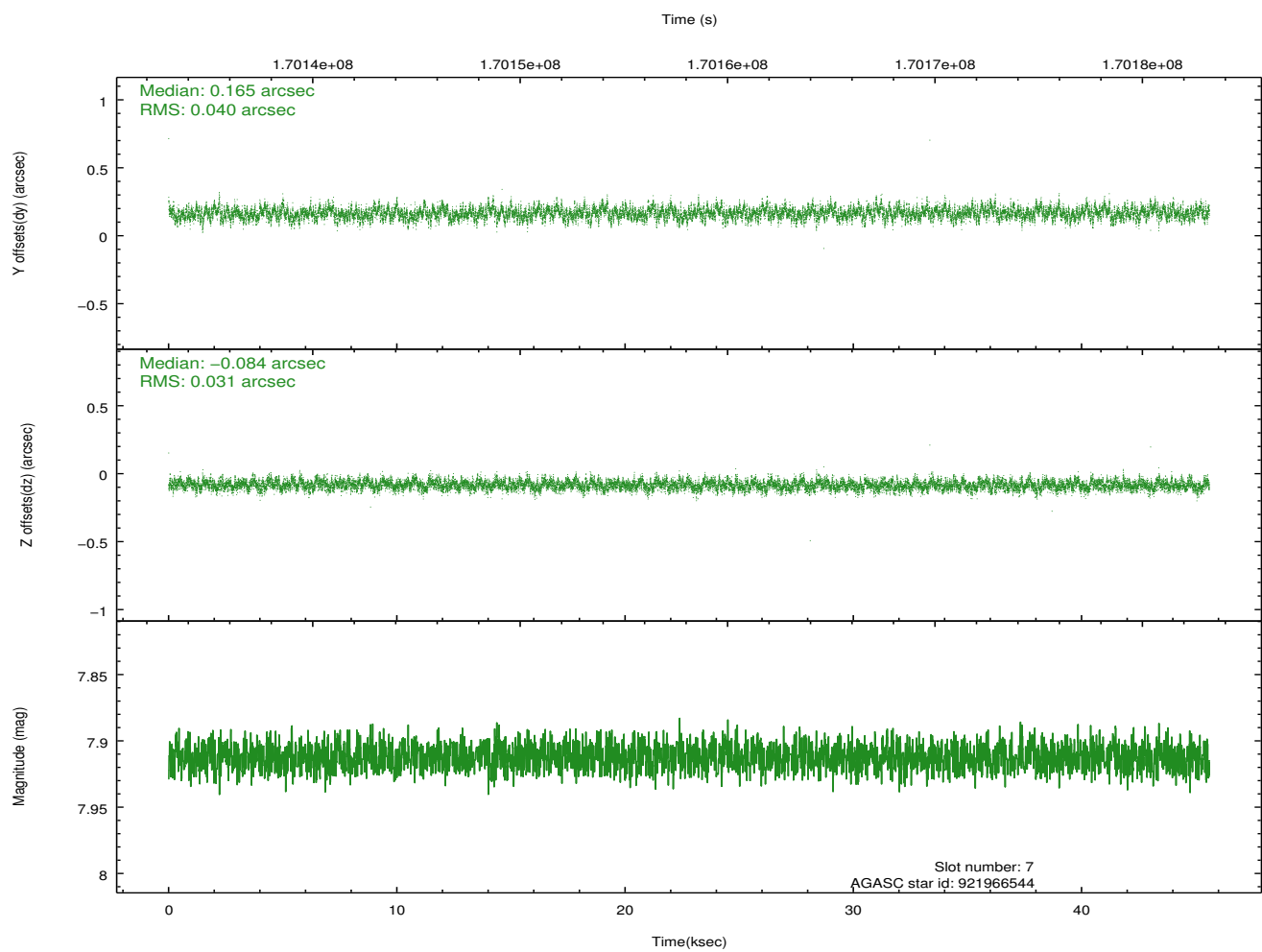
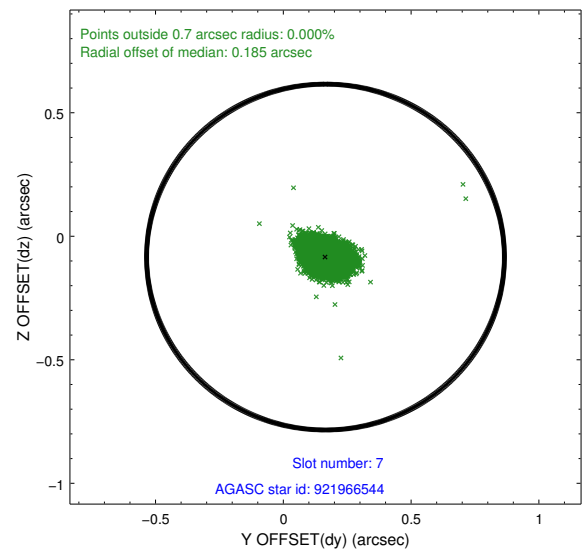
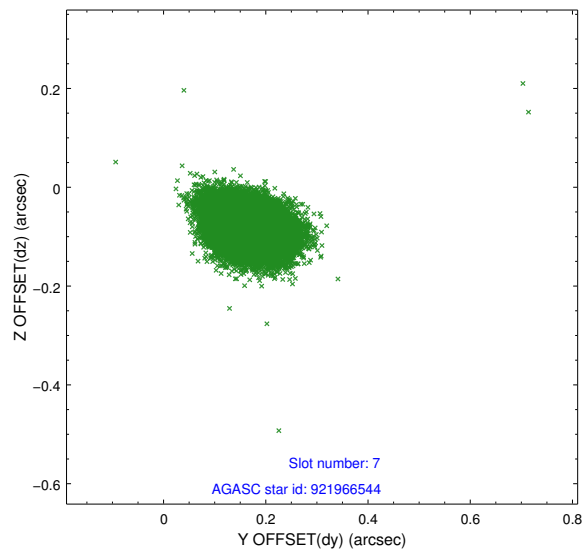
2.4.3 Slot 5



2.4.4 Slot 6

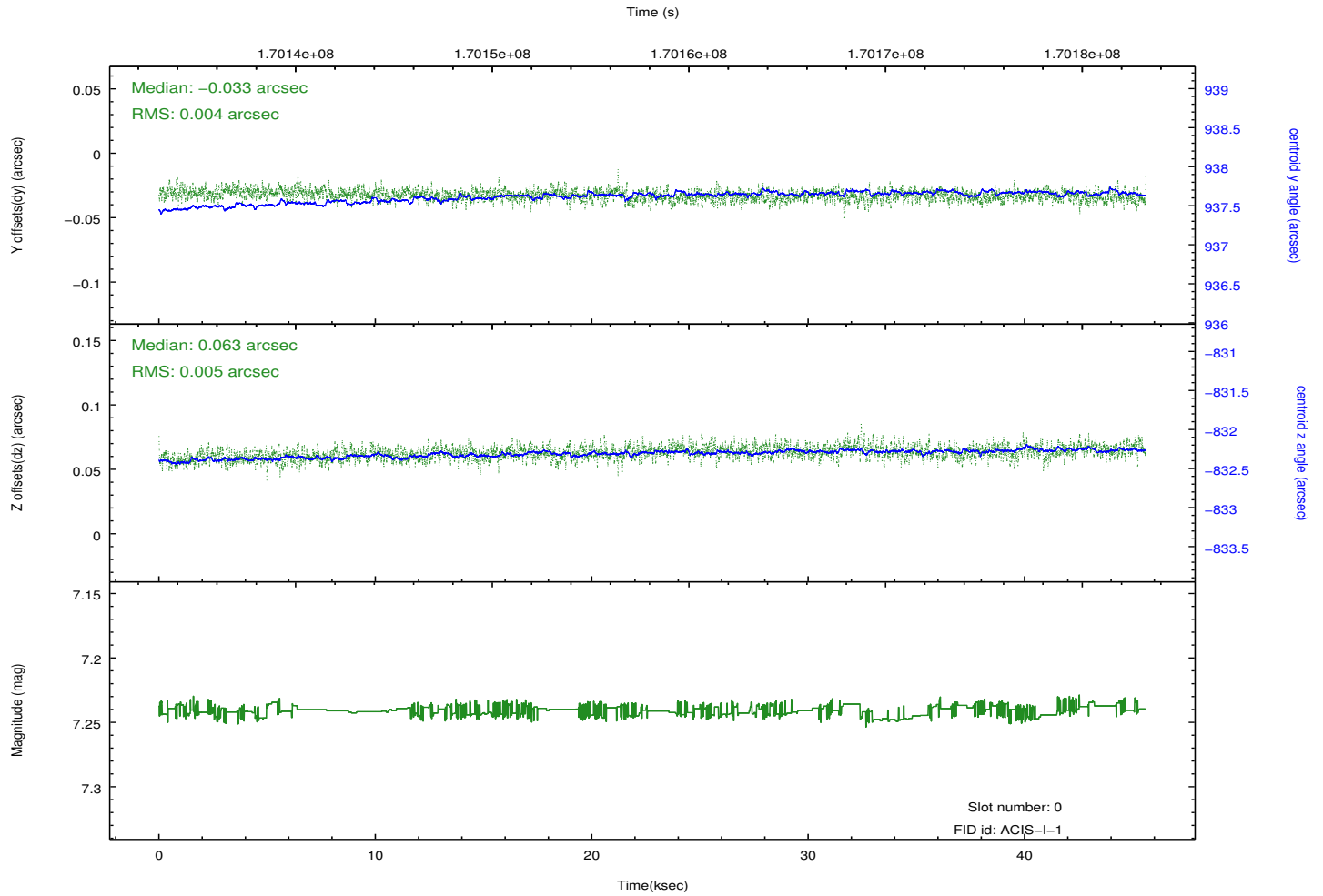
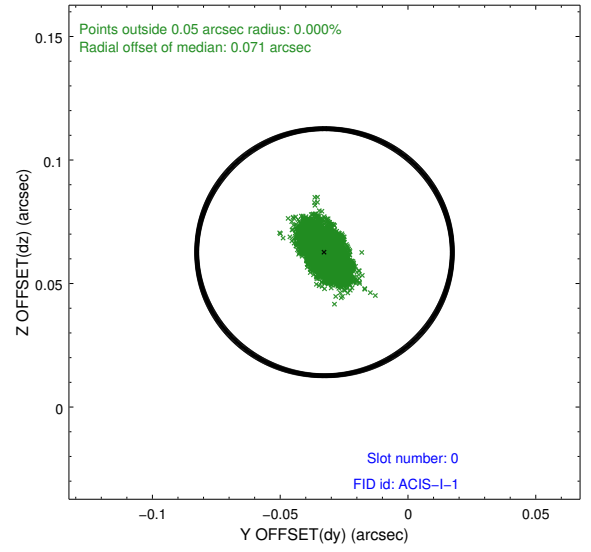
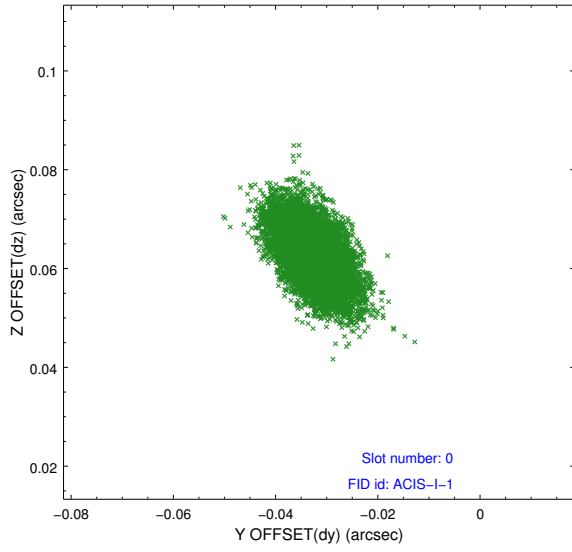


2.4.5 Slot 7

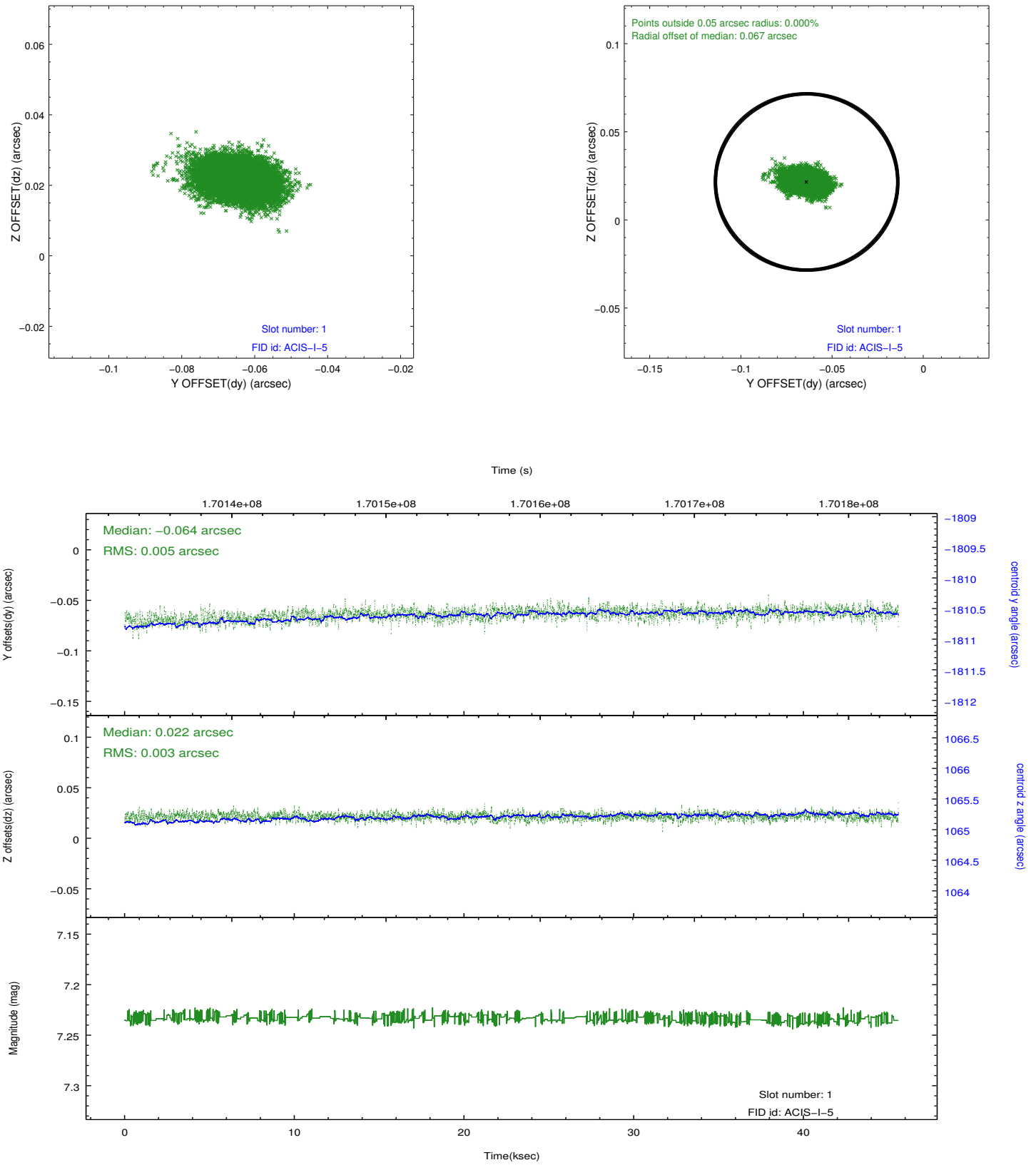


2.5 FID Slots

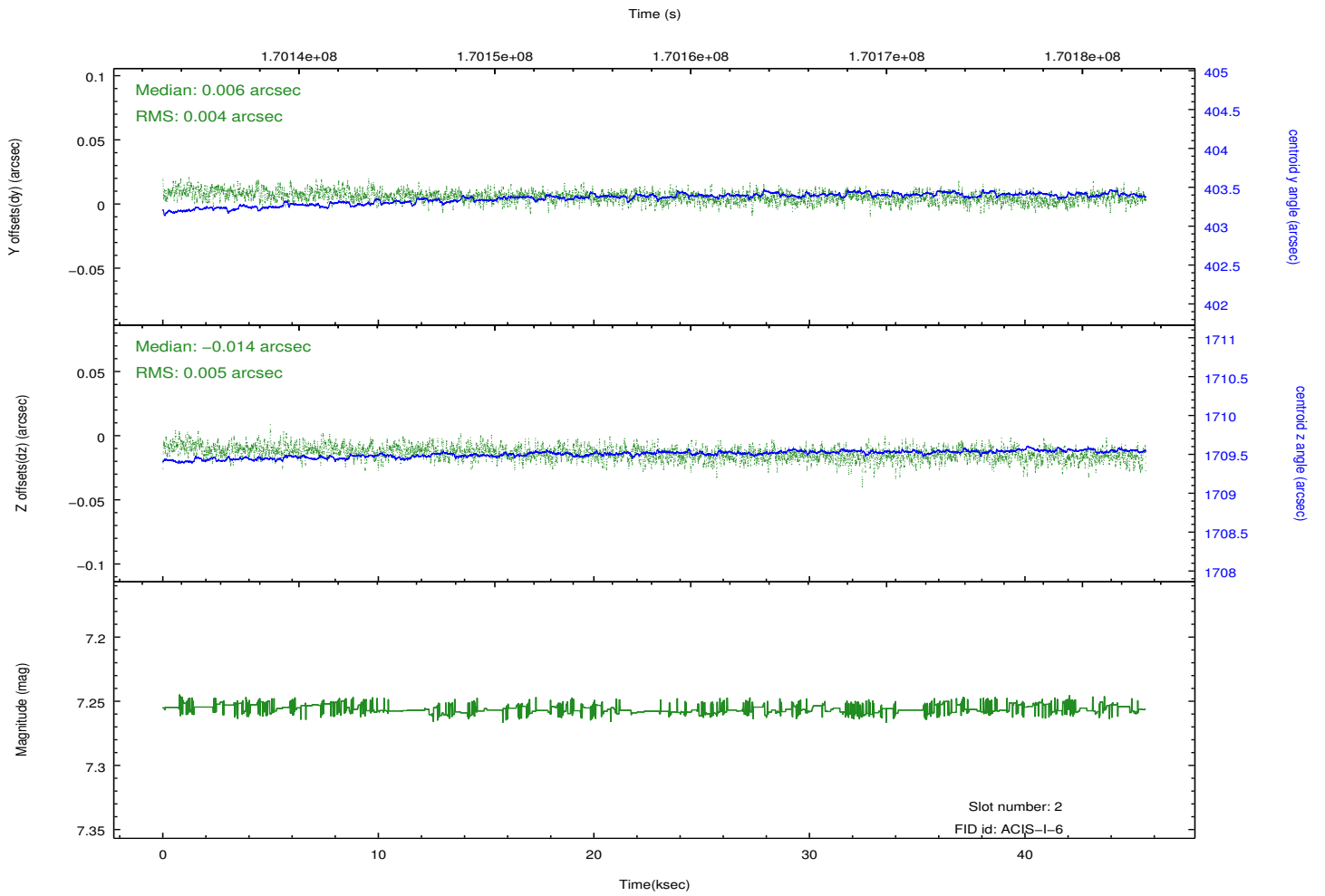
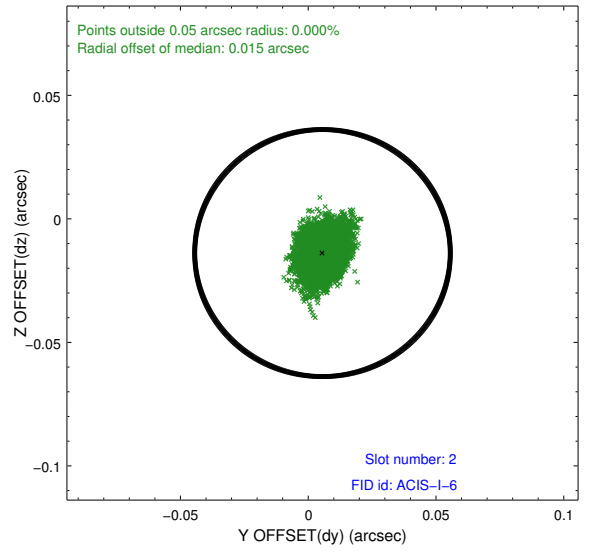
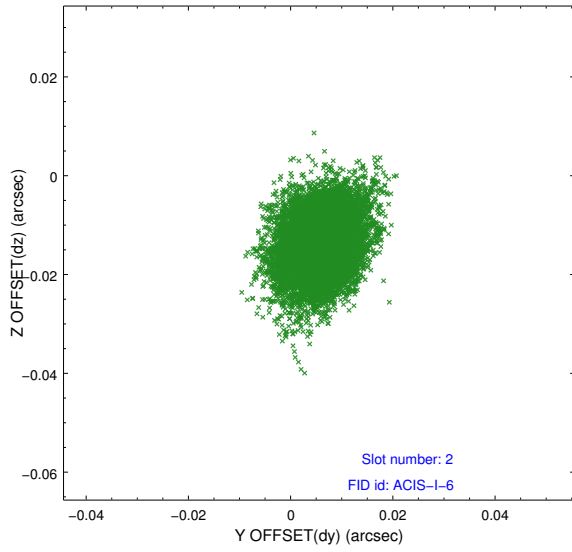
2.5.1 Slot 0



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)	2012.11.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.182

A.2 Comments