

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10450 - L2 Version 2
Chandra X-Ray Center

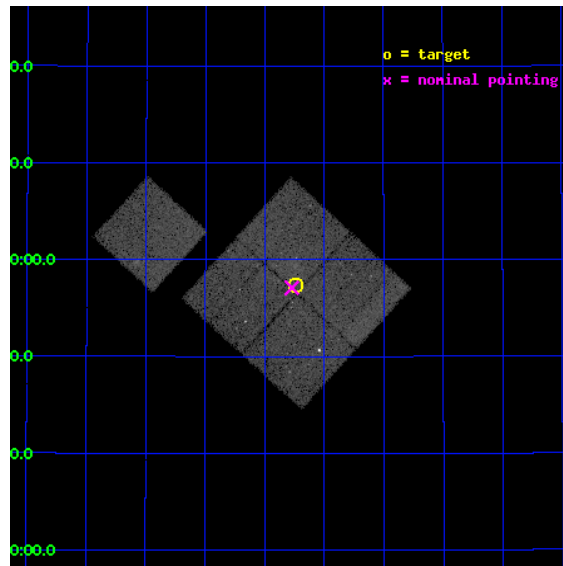
L2 Processing Date : Jun 14 2012

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

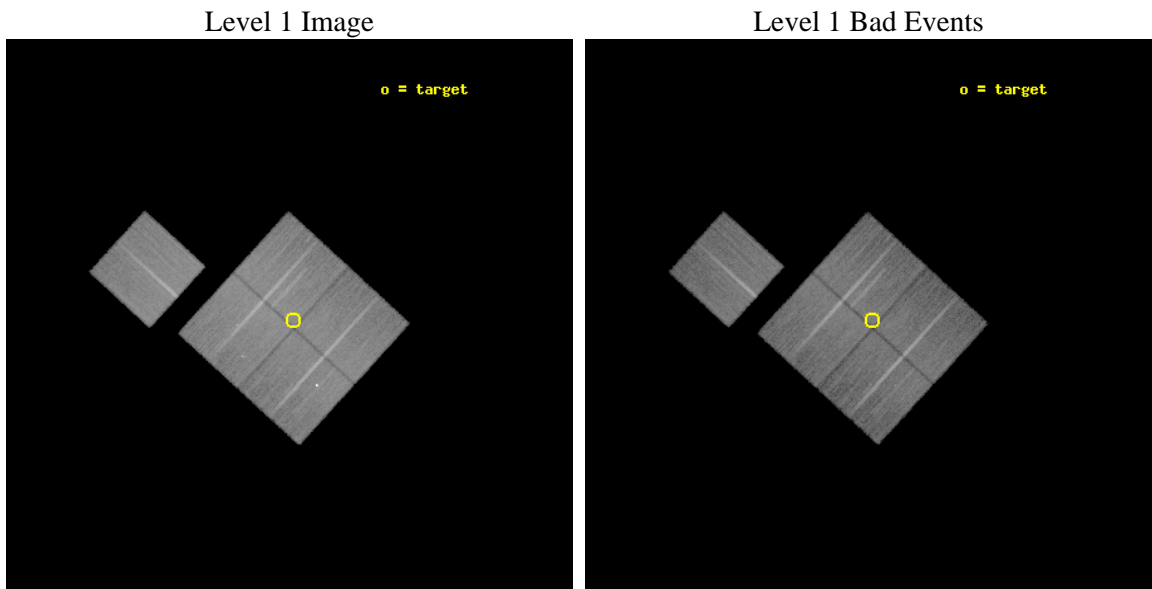
seq_num	800811	Sequence number
obs_id	10450	Observation id
title	The Role of AGN in Massive Galaxy Formation	Proposal title
observer	Dr. Spencer Stanford	Principal investigator
object	ISCS1051	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.309583	Observer's specified target RA [deg]
dec_targ	33.95575	Observer's specified target Dec [deg]
ra_nom	217.31800754895	Nominal RA [deg]
dec_nom	33.951662387943	Nominal Dec [deg]
roll_nom	312.42309093301	Nominal Roll [deg]
revision	2	Processing version of data
ontime	23036.059196949	Sum of GTIs [s]
livetime	22735.076124641	Livetime [s]
ontime0	23036.059216857	Sum of GTIs [s]
ontime1	23039.200177193	Sum of GTIs [s]
ontime2	23032.918246627	Sum of GTIs [s]
ontime3	23036.059196949	Sum of GTIs [s]
ontime6	23032.9182266	Sum of GTIs [s]
l2events	93417	Number of level 2 events



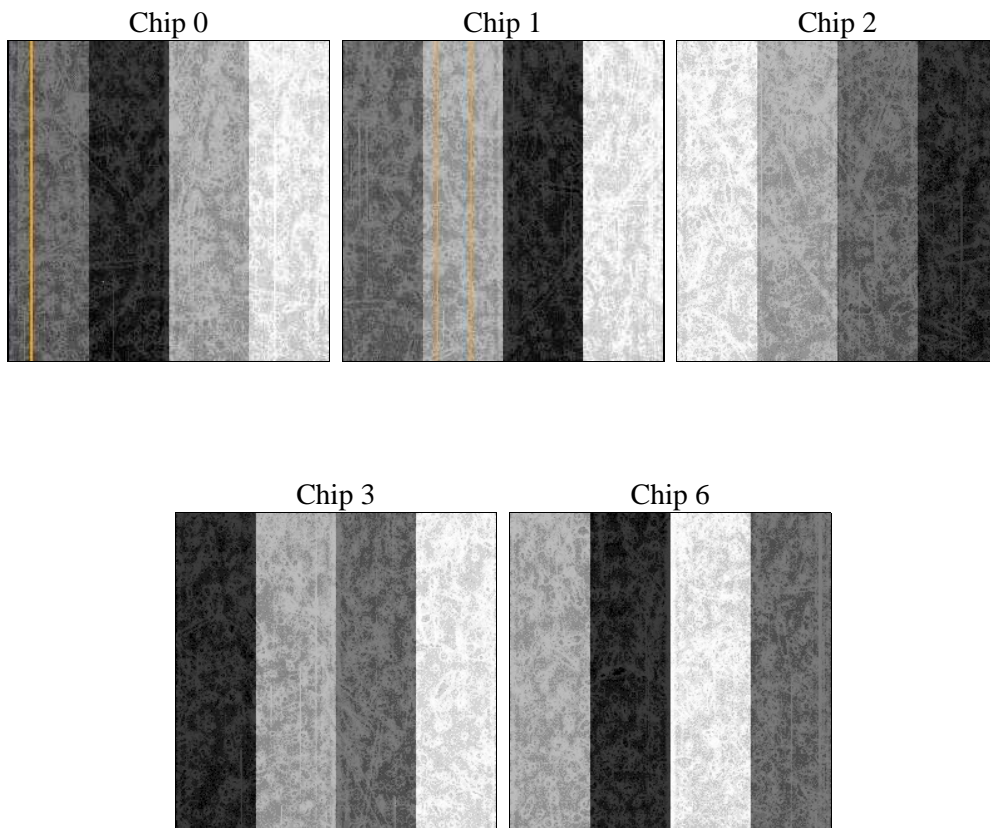
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	23000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	23036.059196949	Sum of GTIs [s]
caldbver	4.4.10	 	ontime0	23036.059216857	Sum of GTIs [s]
date	2012-06-14T12:34:45	Date and time of file creation	ontime1	23039.200177193	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	23032.918246627	Sum of GTIs [s]
			ontime3	23036.059196949	Sum of GTIs [s]
			ontime6	23032.9182266	Sum of GTIs [s]
			l1events	984734	Number of level 1 events

2.1.4 Events

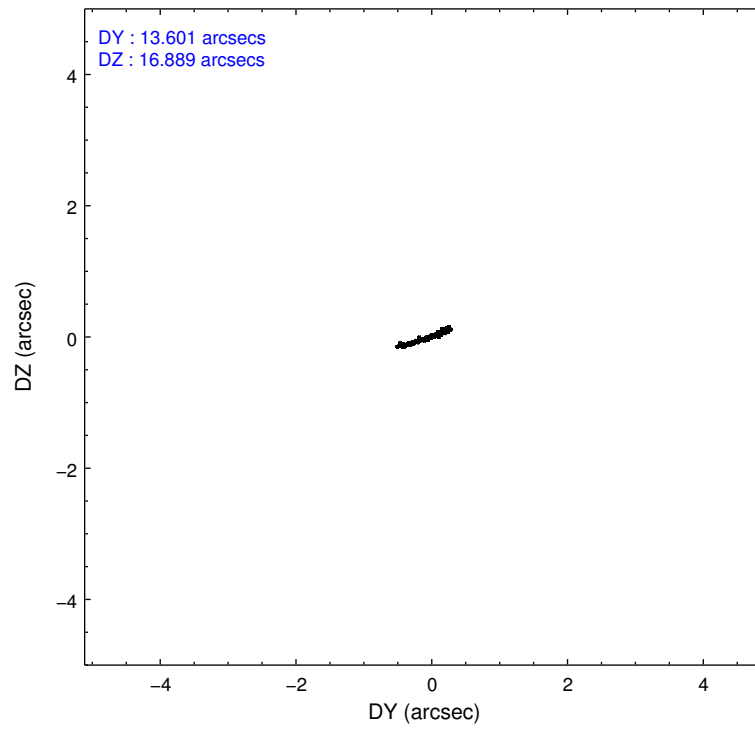
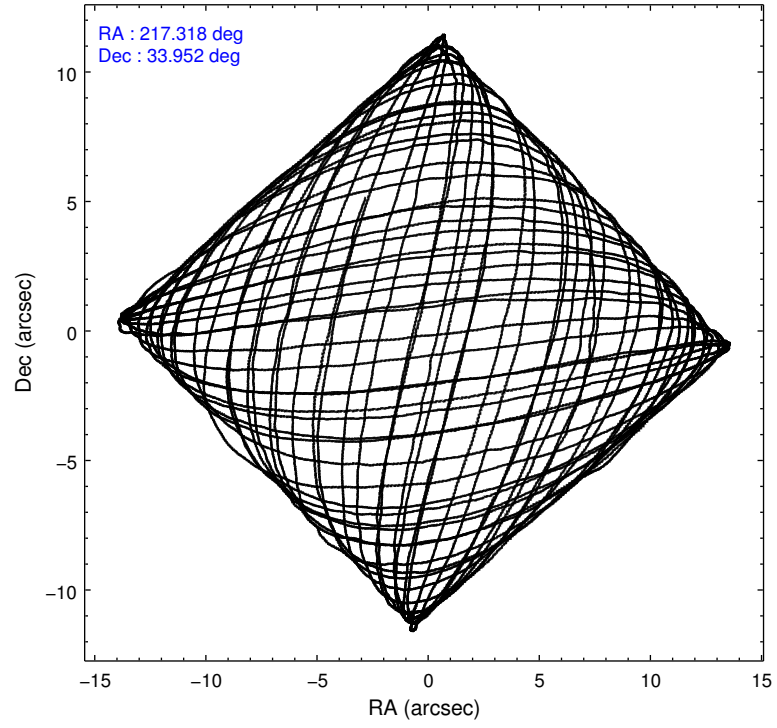
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	191772	182867	208404	201454	200237
rejected events	165166	160052	187336	181159	179661
rejected %	86%	87%	89%	89%	89%

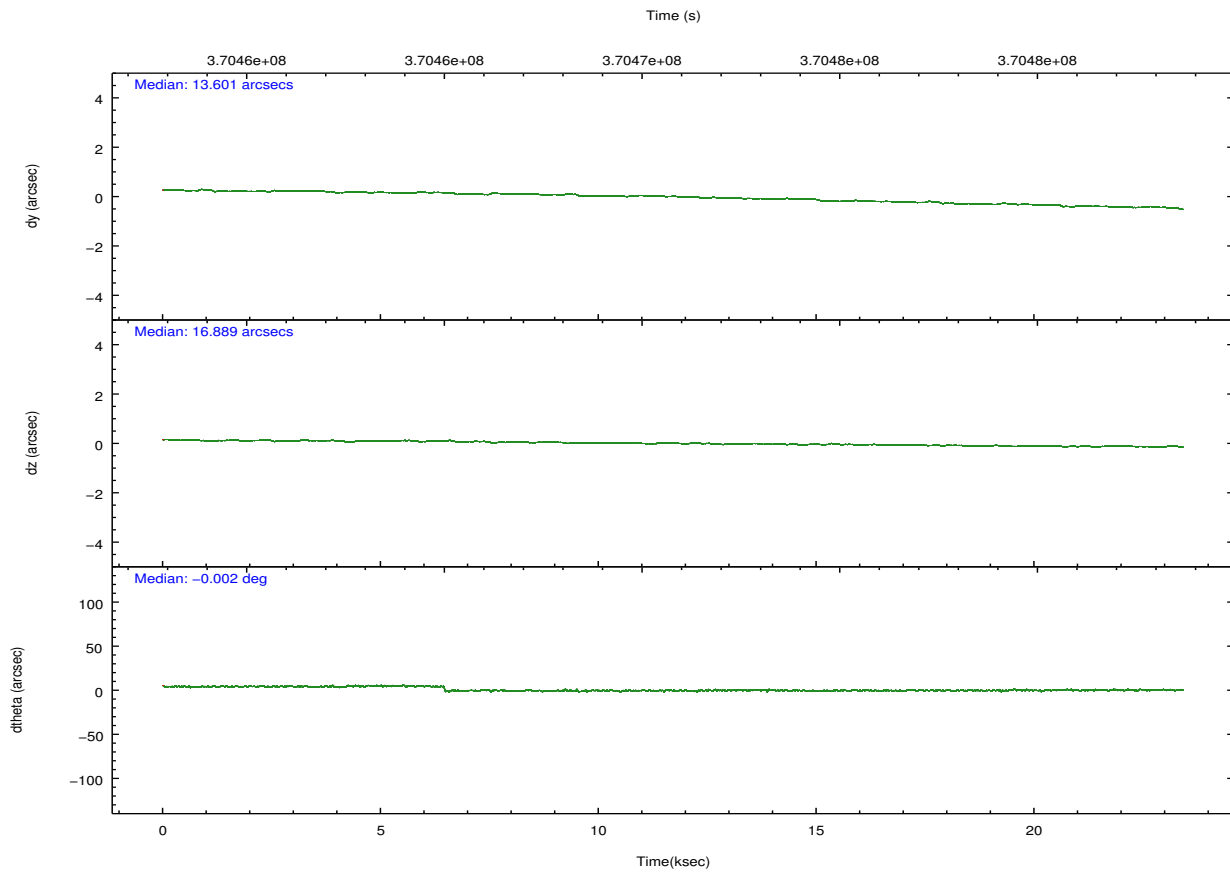
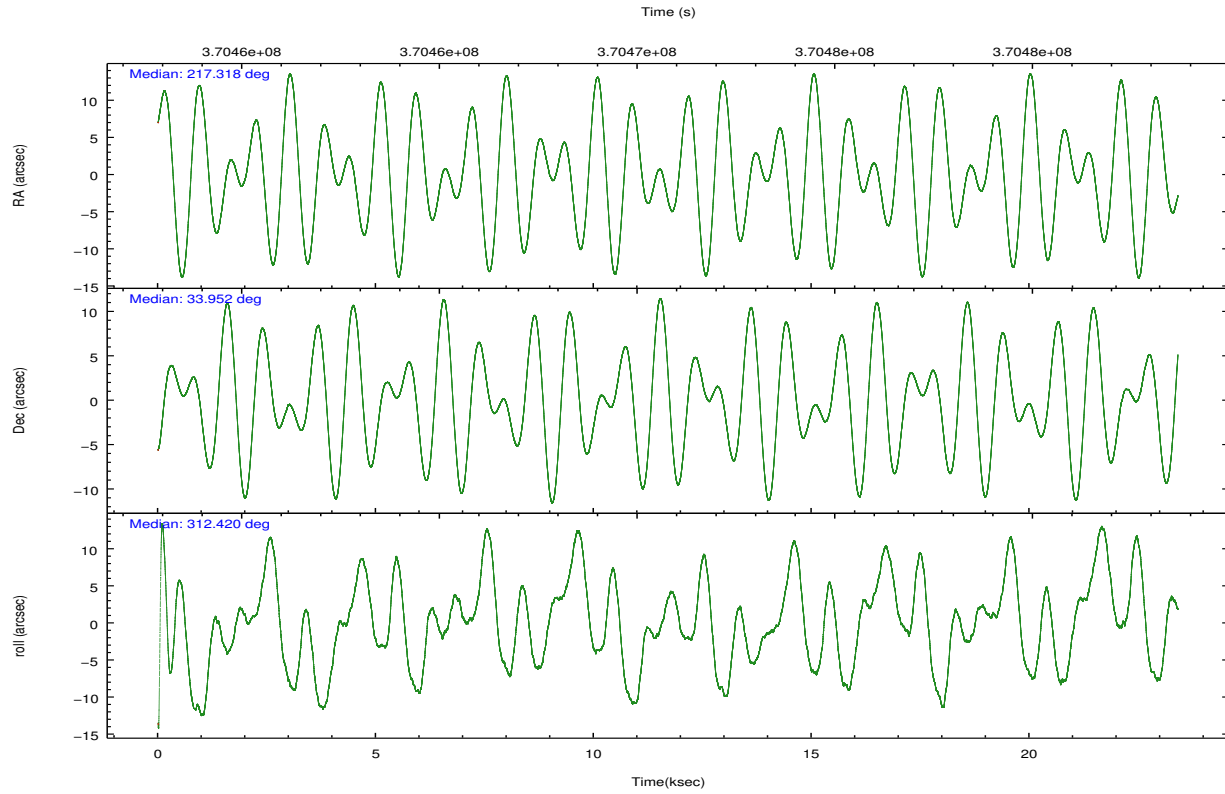
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	12123	8209	7910	7668	7232
	6%	4%	3%	3%	3%
grade 1 events	215	108	134	109	102
	0%	0%	0%	0%	0%
grade 2 events	5686	5208	4963	4274	4563
	2%	2%	2%	2%	2%
grade 3 events	2436	2468	2142	2187	2130
	1%	1%	1%	1%	1%
grade 4 events	2351	2307	2216	2163	2168
	1%	1%	1%	1%	1%
grade 5 events	7408	7838	6940	8490	8011
	3%	4%	3%	4%	4%
grade 6 events	4017	4630	3844	4007	4488
	2%	2%	1%	1%	2%
grade 7 events	157536	152099	180255	172556	171543
	82%	83%	86%	85%	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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	217.286358	217.3180075489488	CCD I2 on	Y	Y
[deg] Pointing Dec	33.959875	33.95166238794261	CCD I3 on	Y	Y
[deg] Pointing Roll	312.232108	312.4230909330124	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	370459492.184000	370458455.15918	CCD S5 on	N	N
Observation start date	2009-09-27T17:23:46	2009-09-27T17:07:35	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	370482492.184000	370482787.6354	On-chip summing requested	N	N
Observation end date	2009-09-27T23:47:06	2009-09-27T23:53:07	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



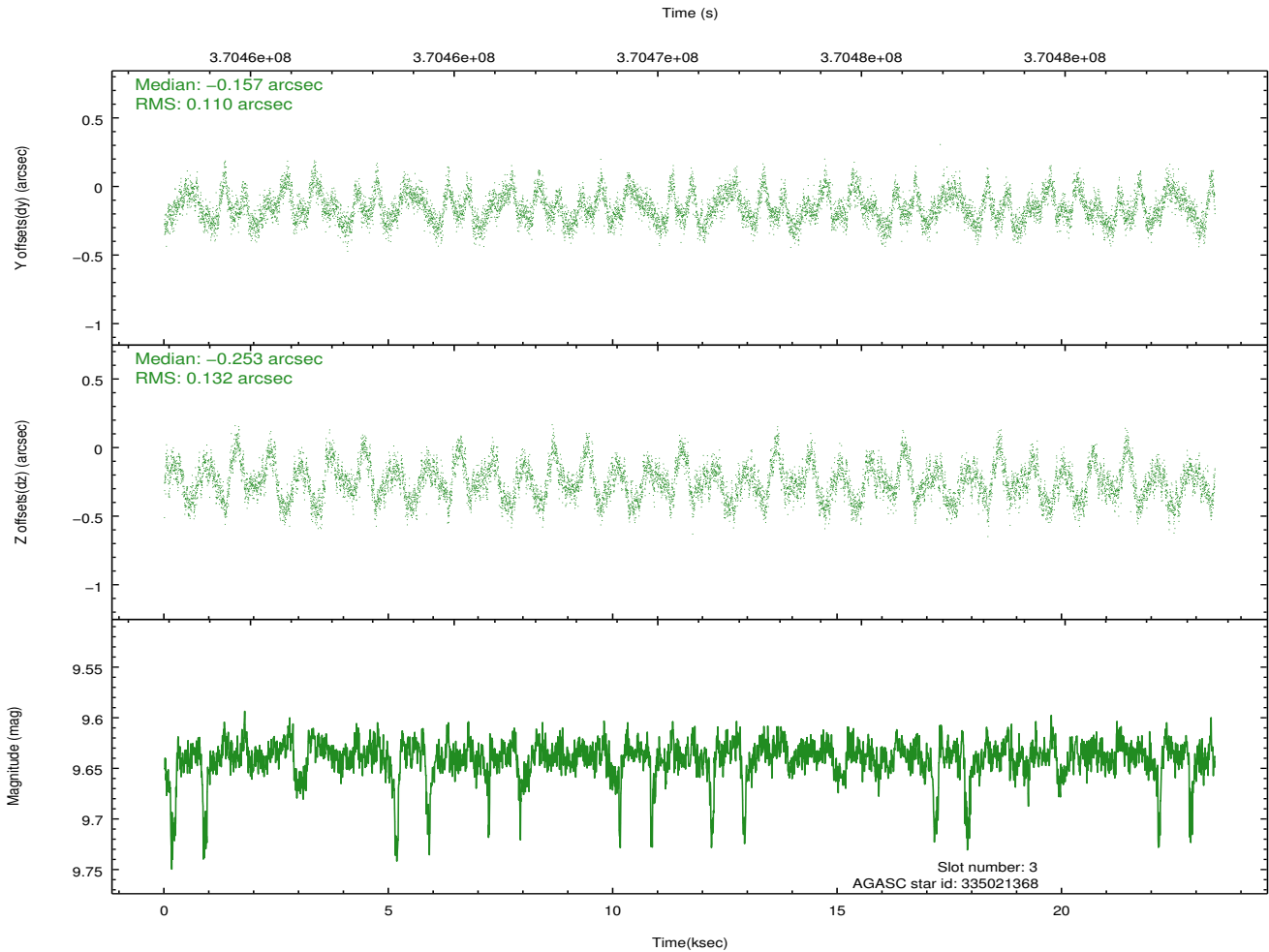
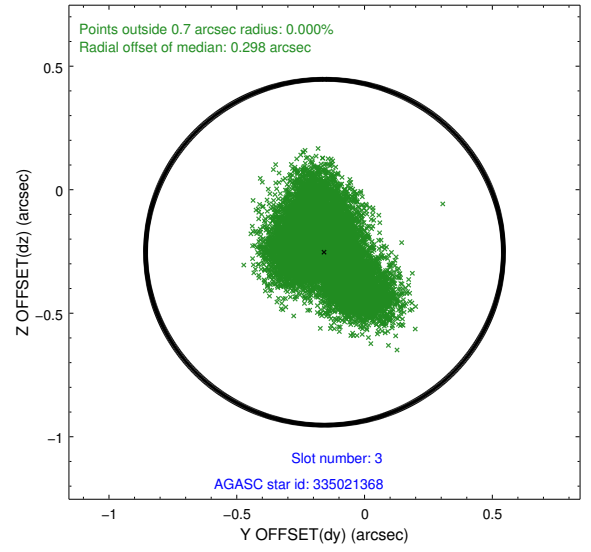
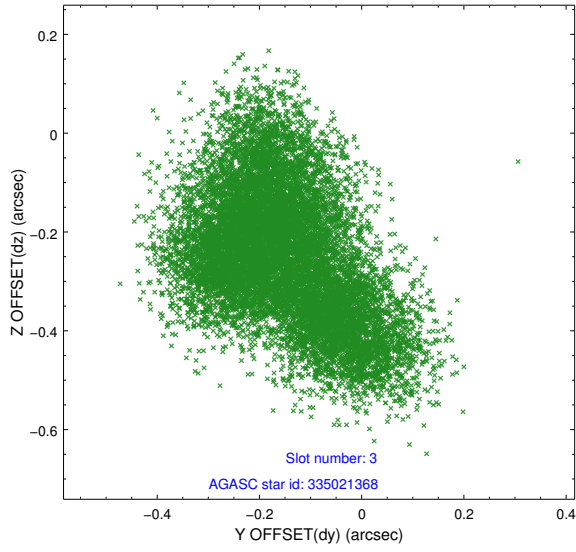


Slot Statistics

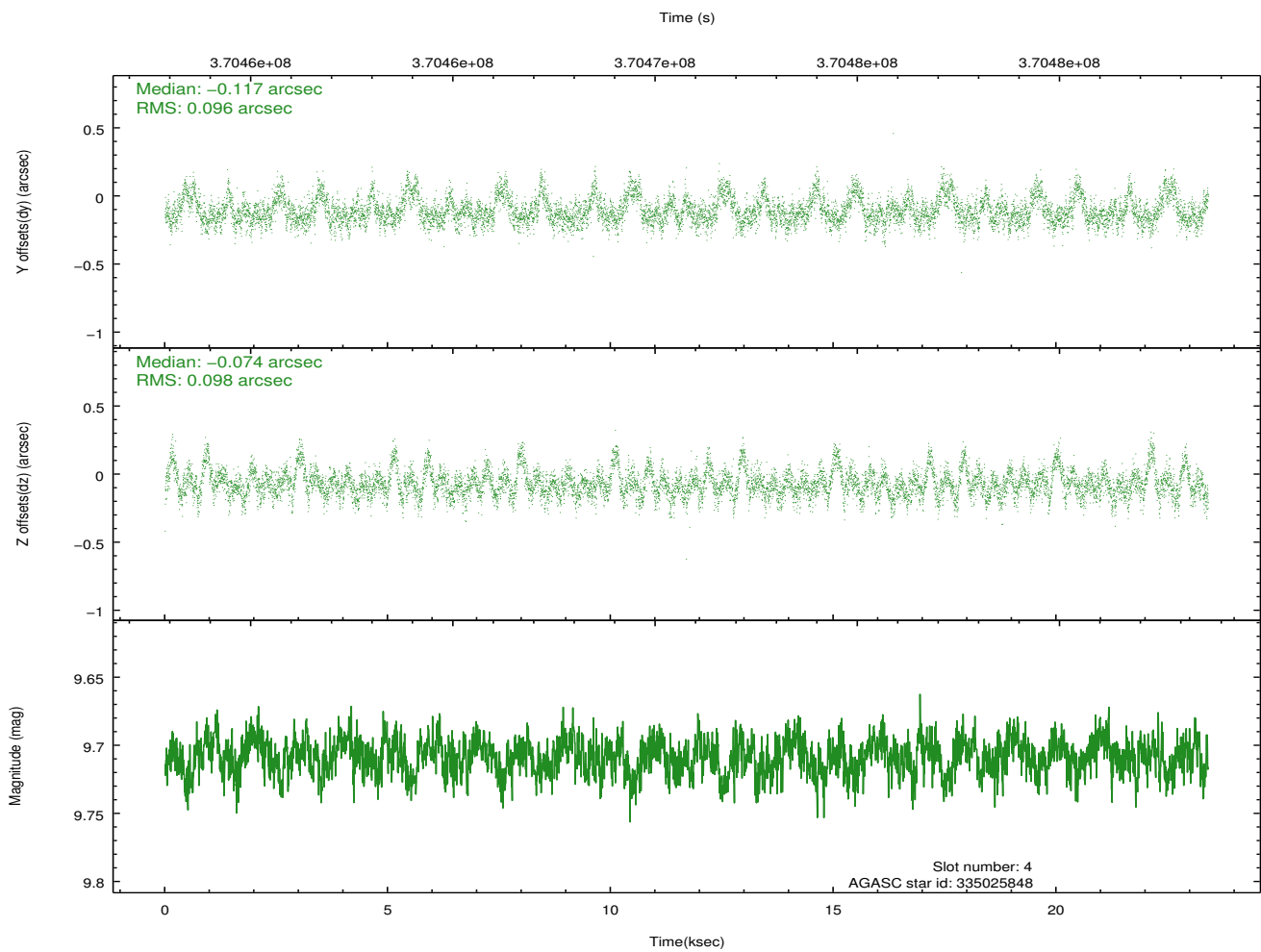
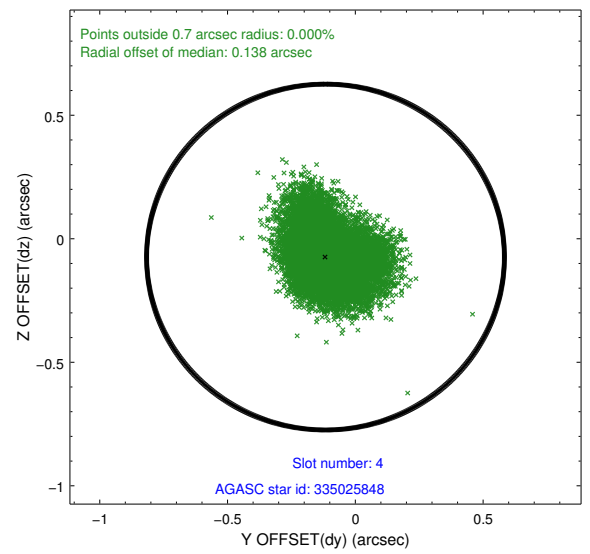
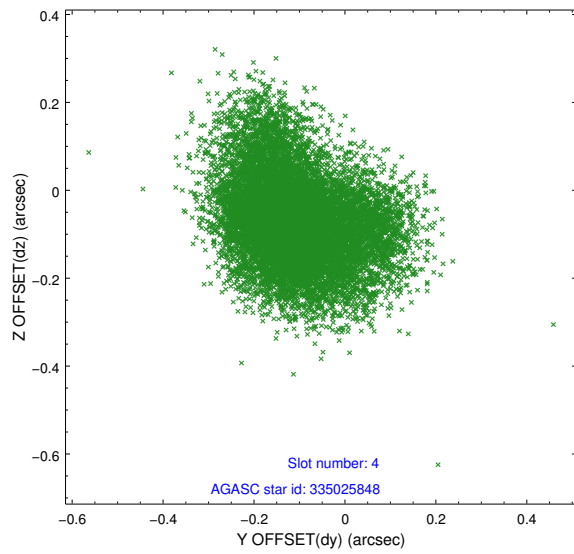
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	6.97	5710	-0.016	-0.074	0.018	0.058	0.000000	0.000000	925.93	-840.61
1	FID	ACIS-I-4	6.90	5710	0.130	0.084	0.013	0.051	0.000000	0.000000	2146.20	1059.26
2	FID	ACIS-I-5	6.96	5710	-0.211	0.060	0.019	0.039	0.000000	0.000000	-1822.09	1057.27
3	GUIDE	335021368	9.64	11399	-0.157	-0.253	0.184	0.294	217.529643	33.934817	554.63	477.80
4	GUIDE	335025848	9.71	11397	-0.117	-0.074	0.144	0.243	217.530531	33.778292	974.64	102.26
5	GUIDE	335028336	9.45	11401	0.151	0.398	0.103	0.167	217.189840	34.665629	-2073.04	1496.59
6	GUIDE	335028696	9.16	11402	-0.290	-0.264	0.109	0.170	217.260519	33.844112	256.42	-337.39
7	GUIDE	335029368	10.10	11365	0.407	0.200	0.313	0.468	217.181018	33.065030	2172.38	-2400.25

2.4 Star Slots

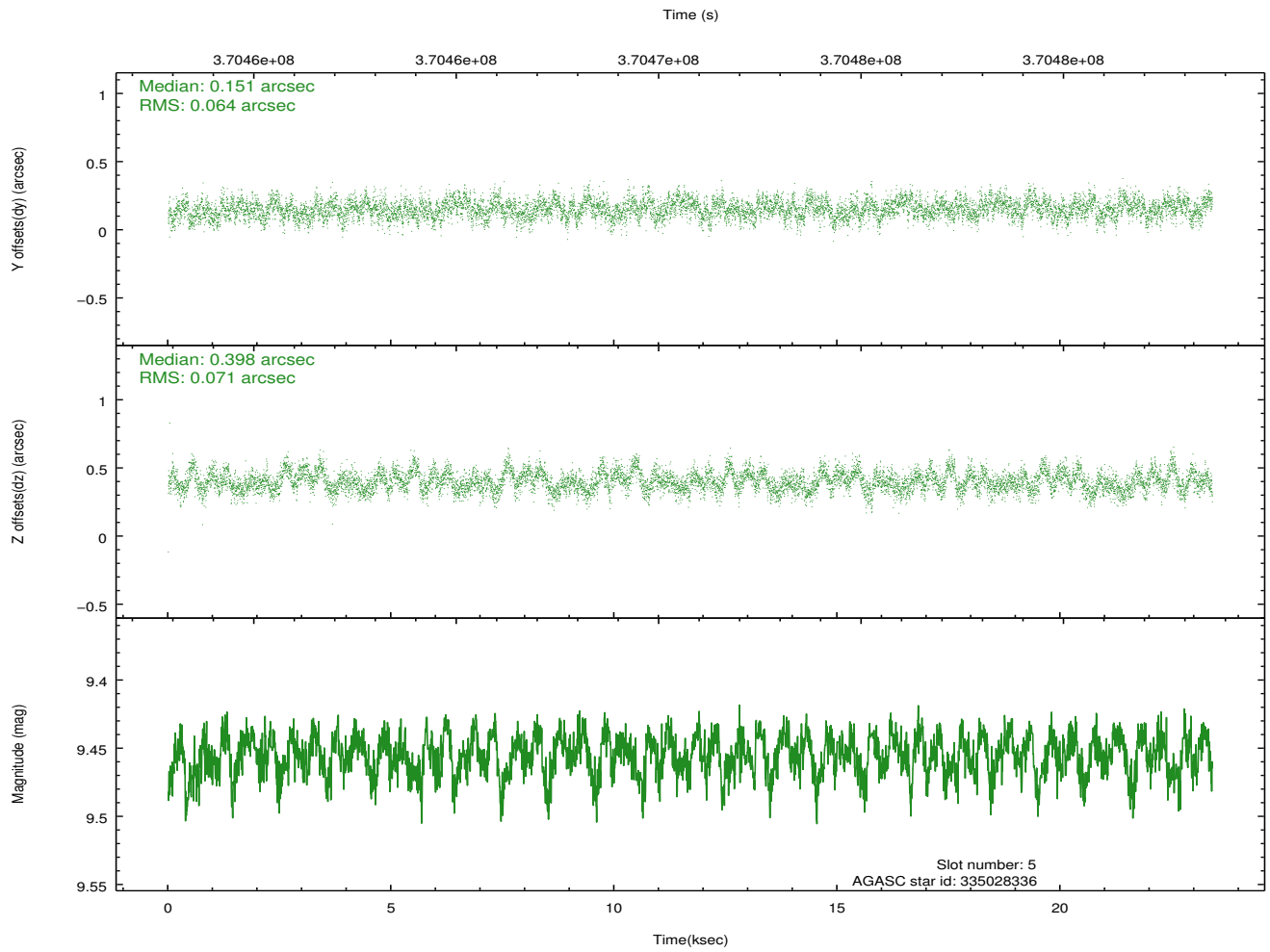
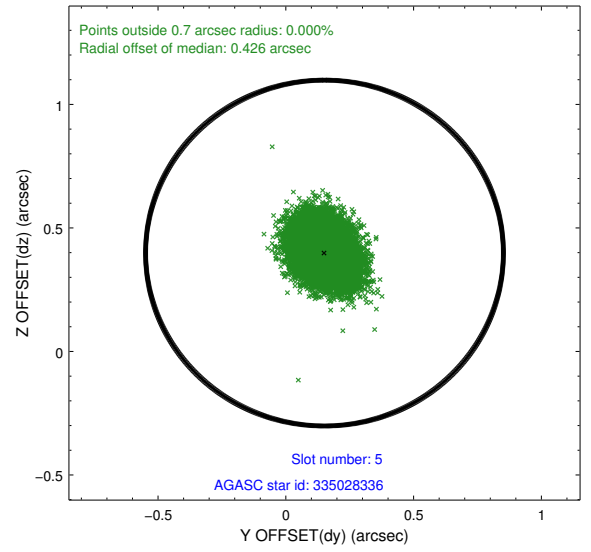
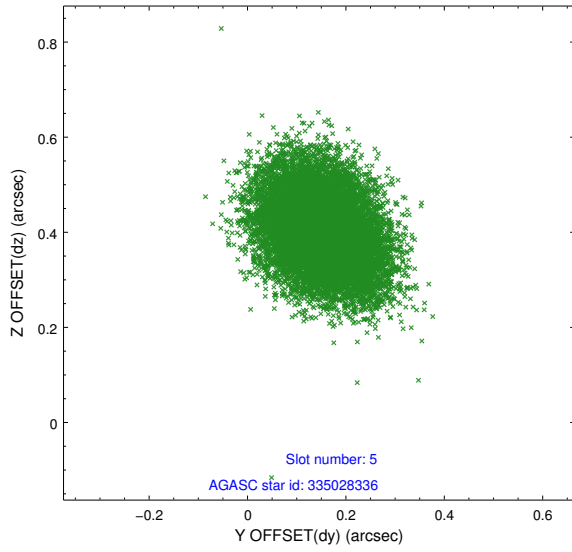
2.4.1 Slot 3



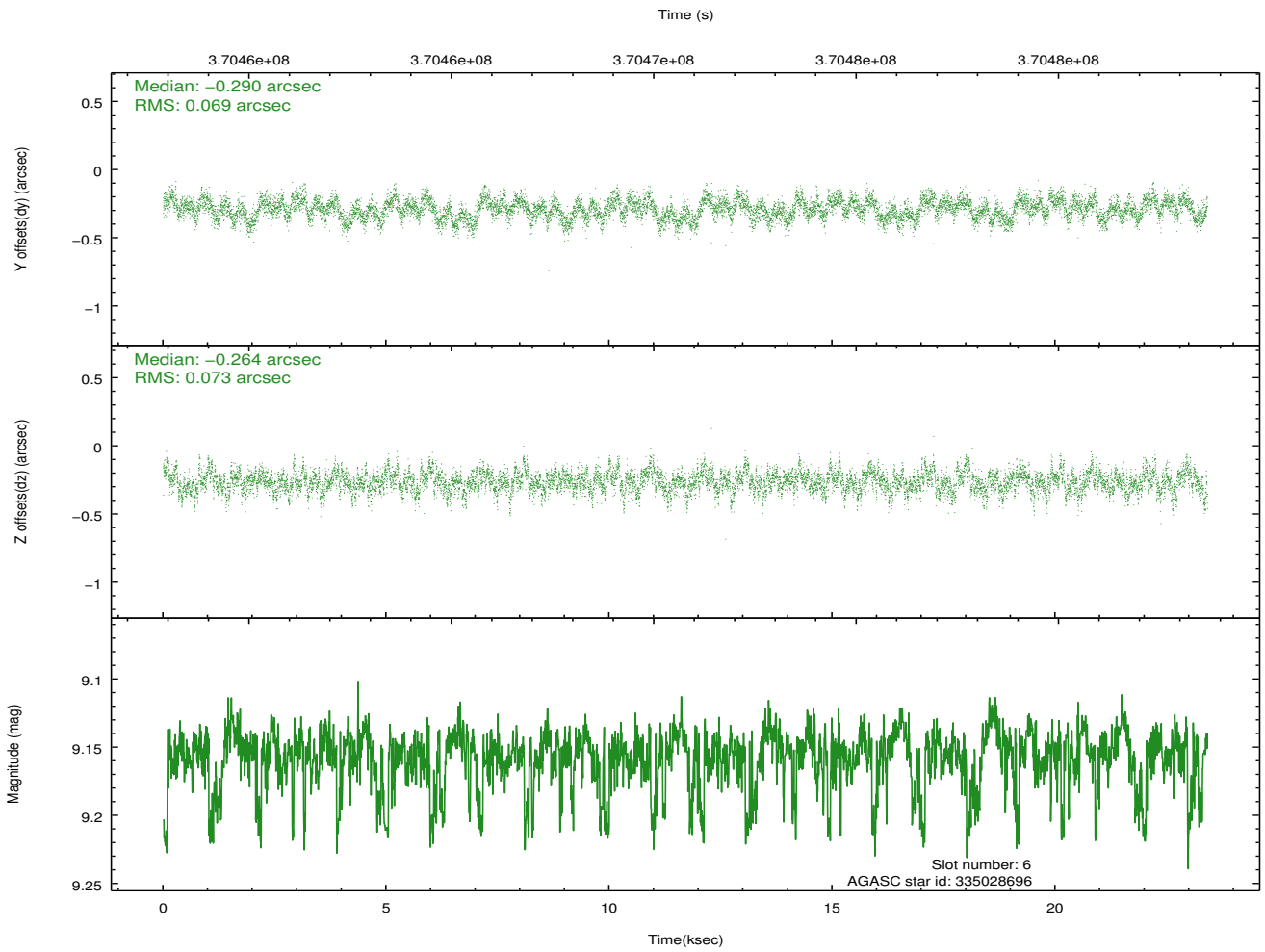
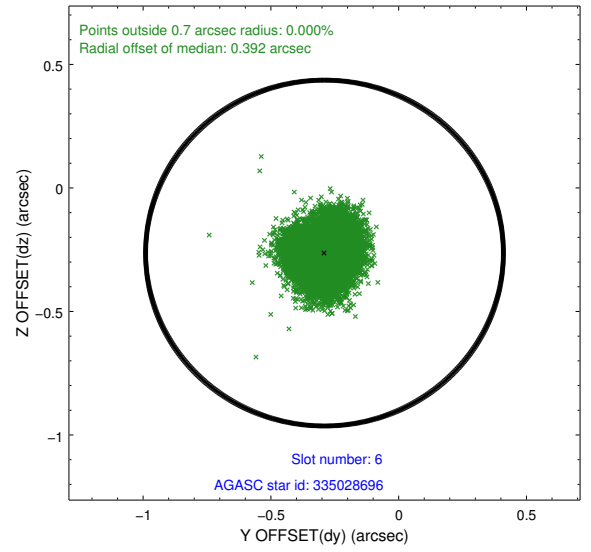
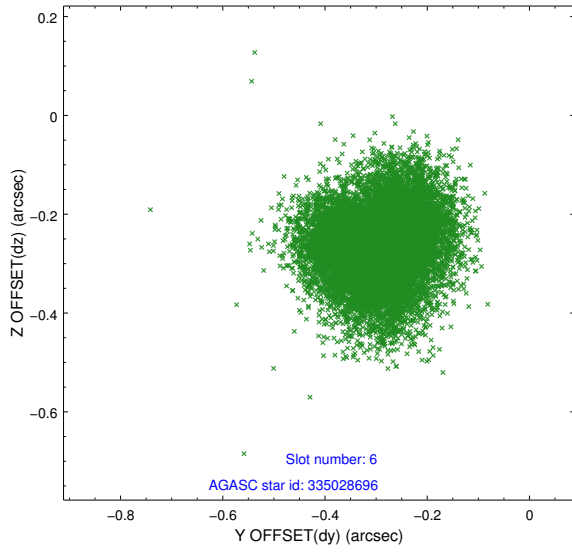
2.4.2 Slot 4



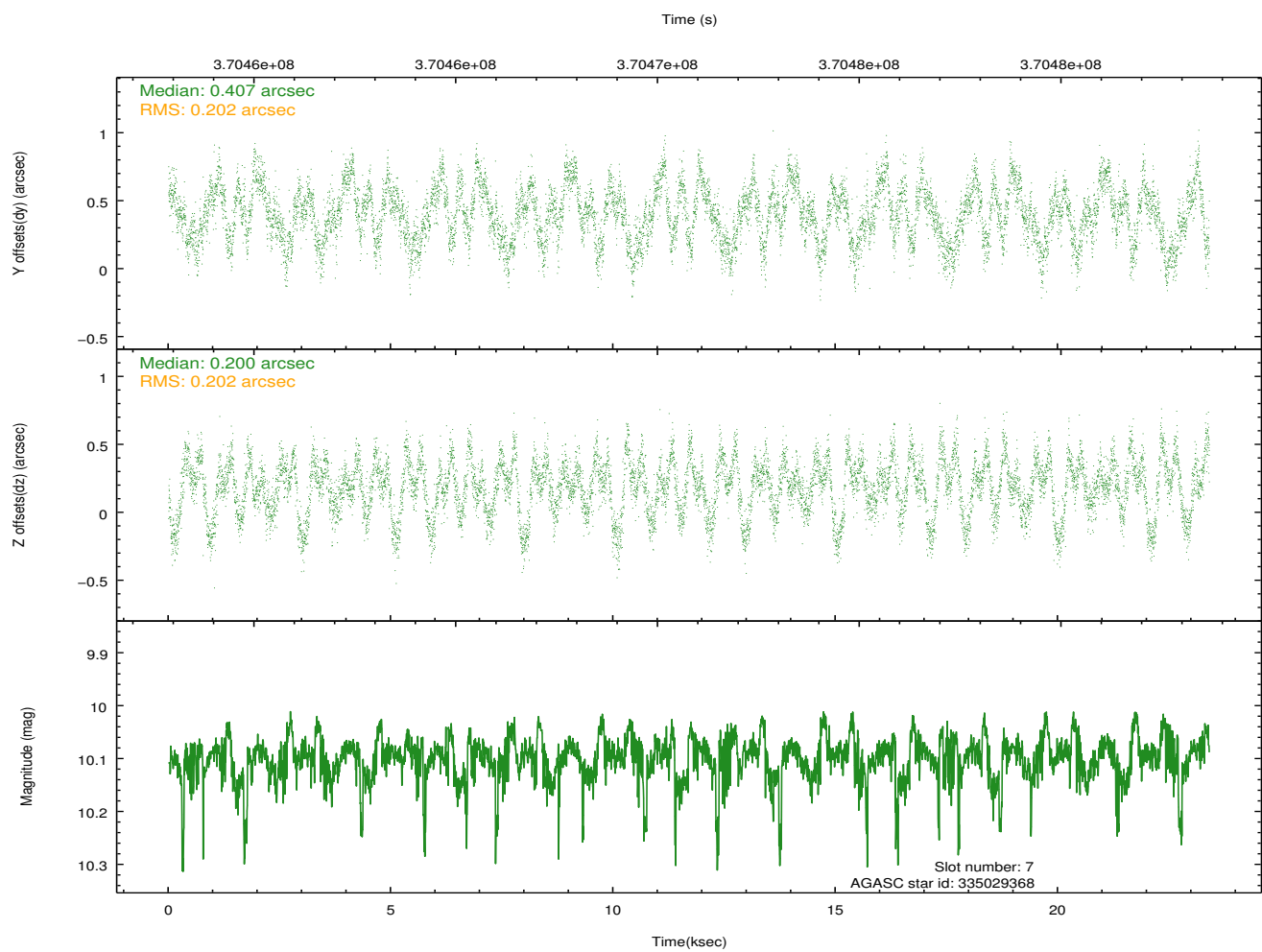
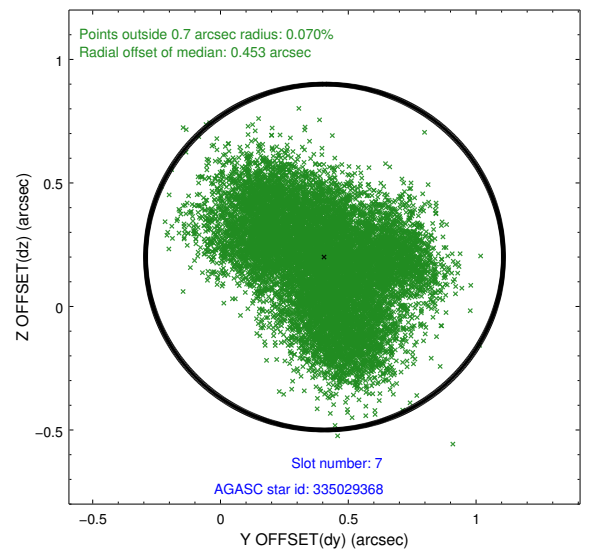
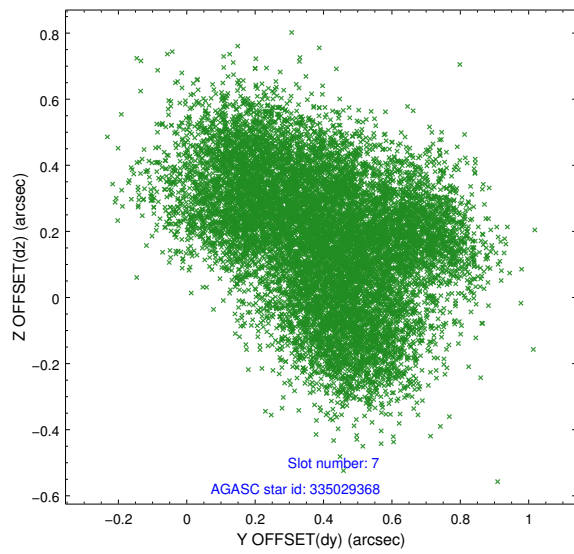
2.4.3 Slot 5



2.4.4 Slot 6

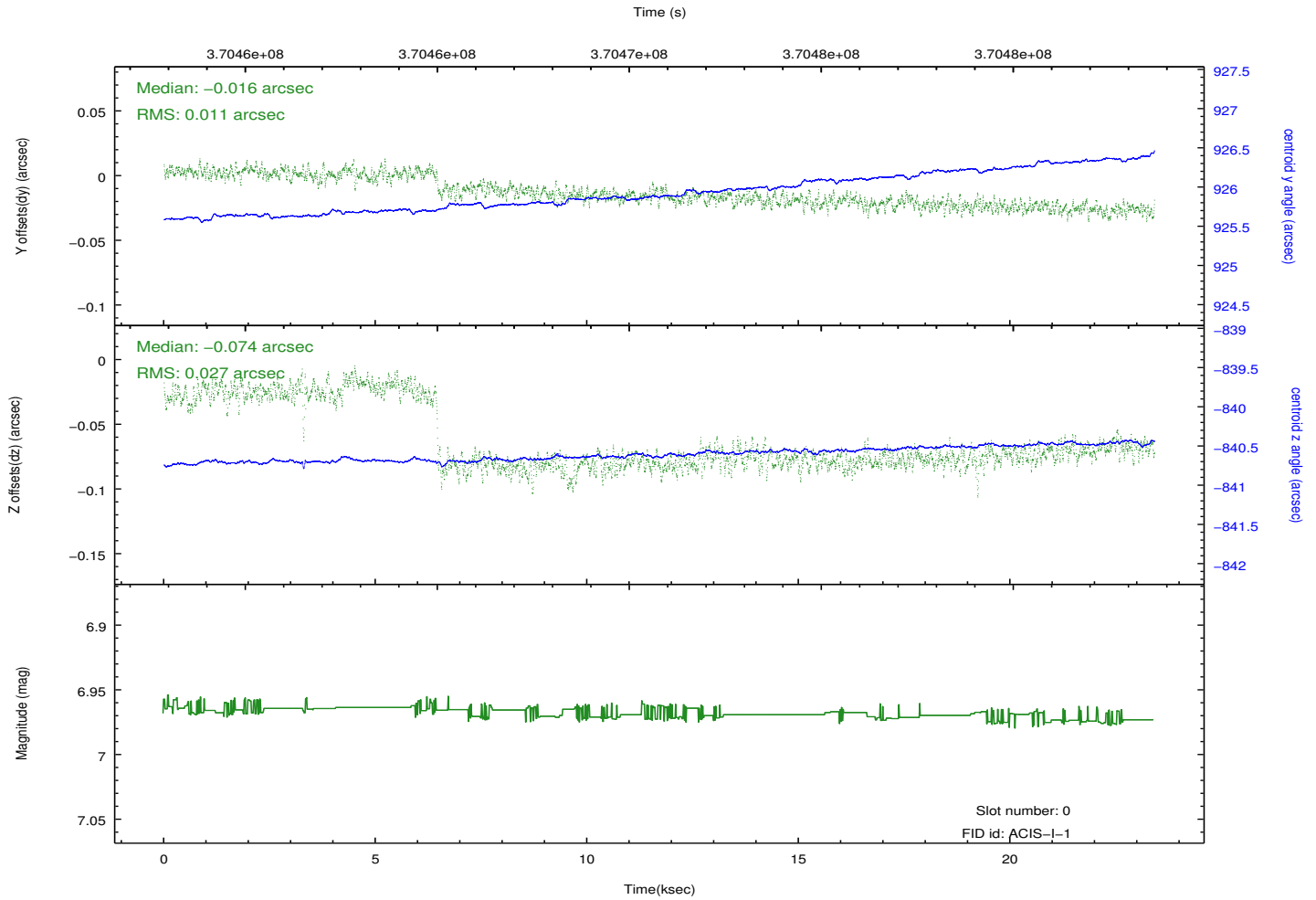
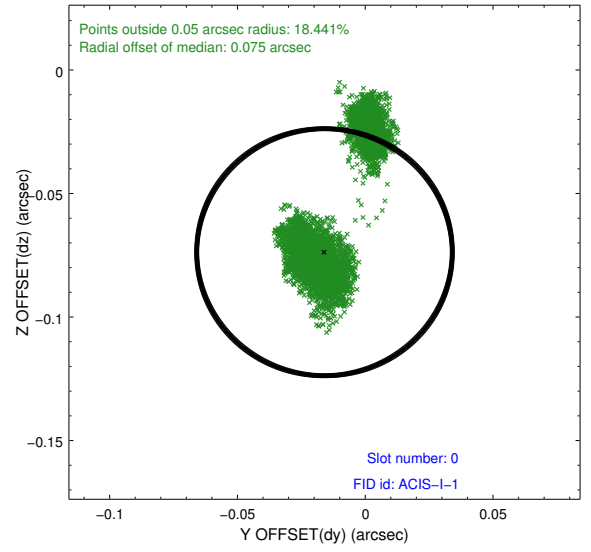
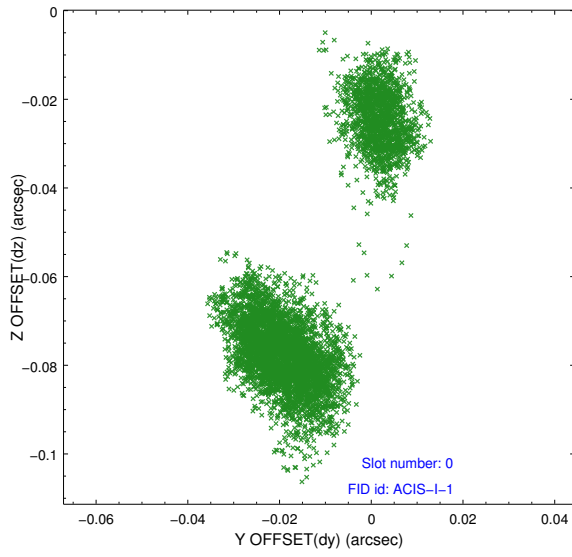


2.4.5 Slot 7

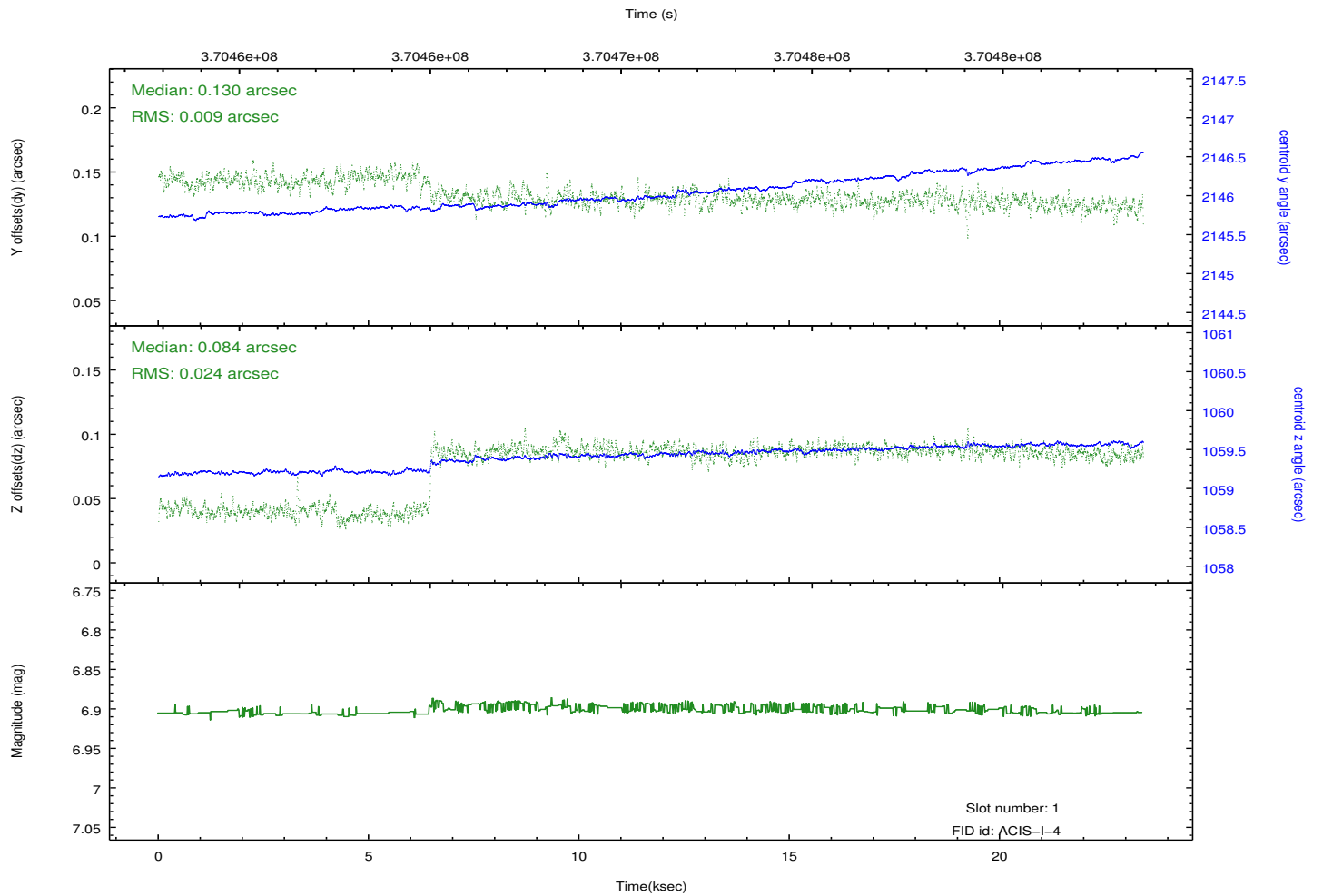
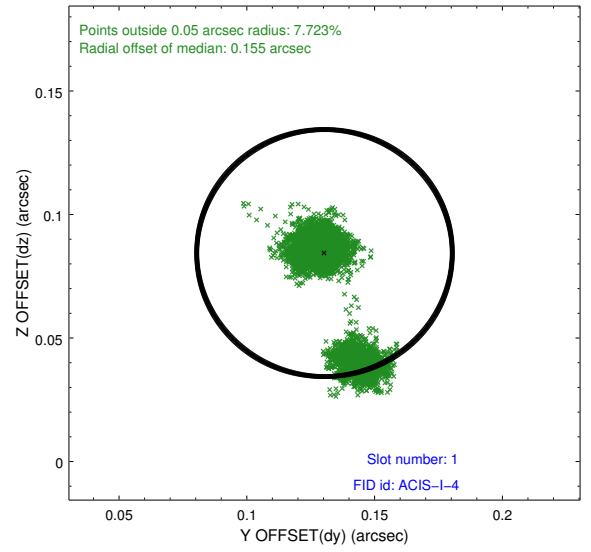
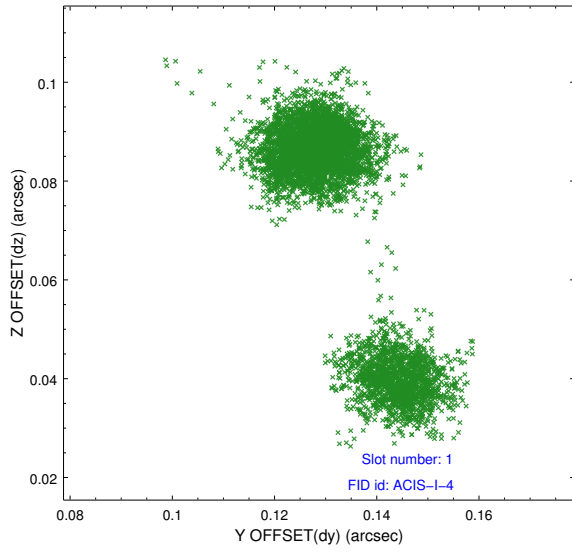


2.5 FID Slots

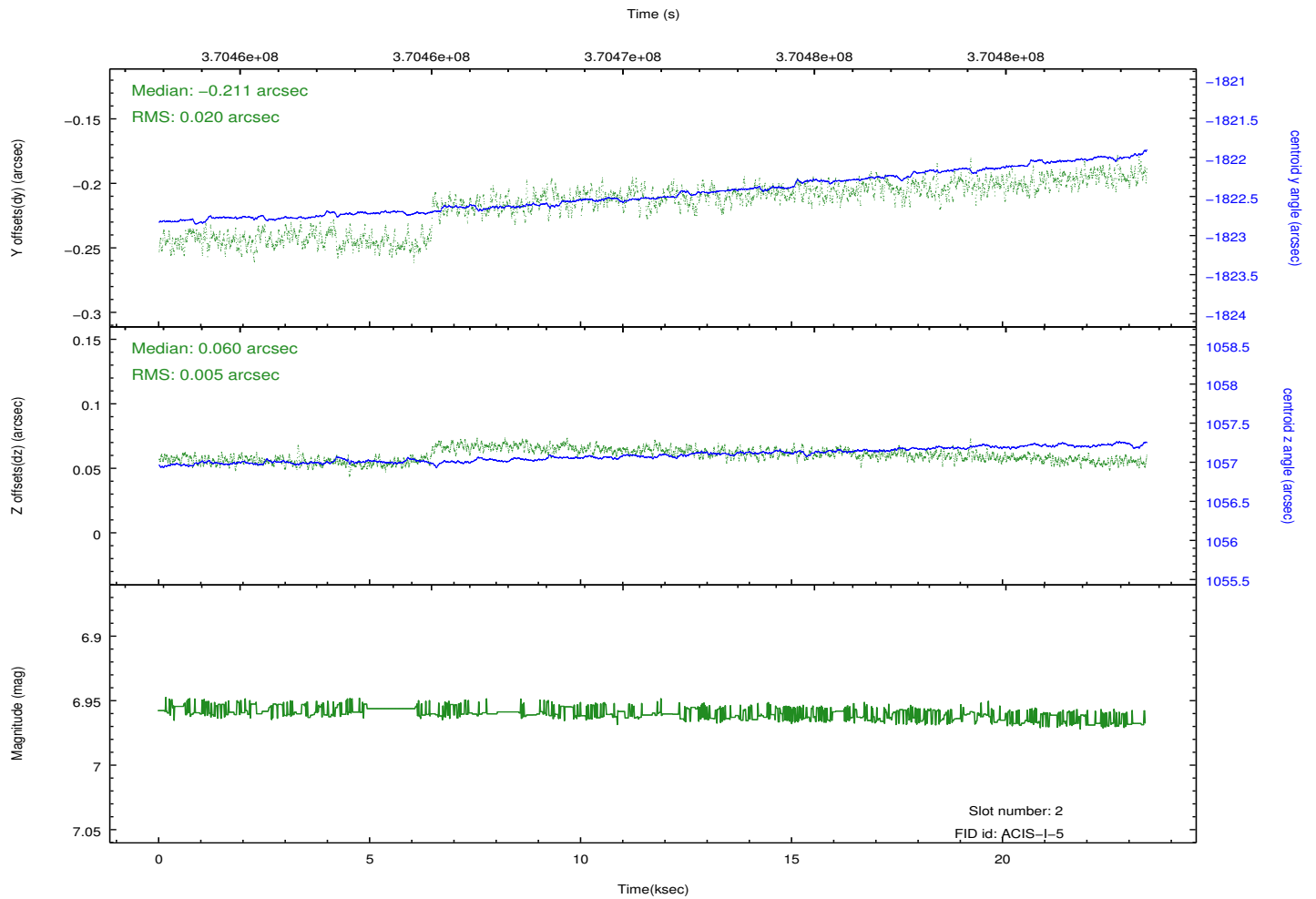
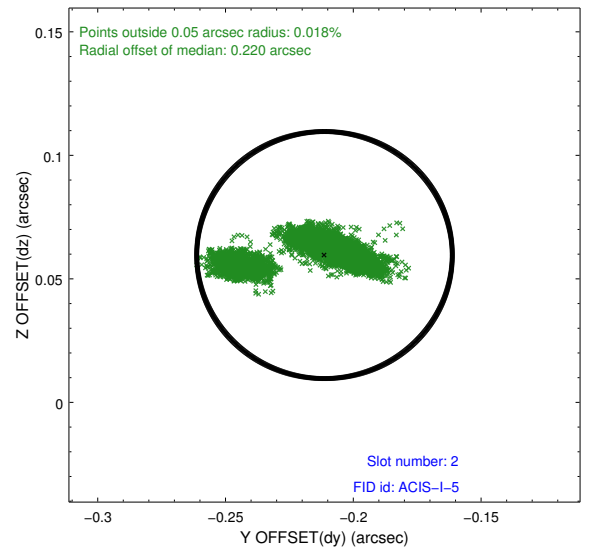
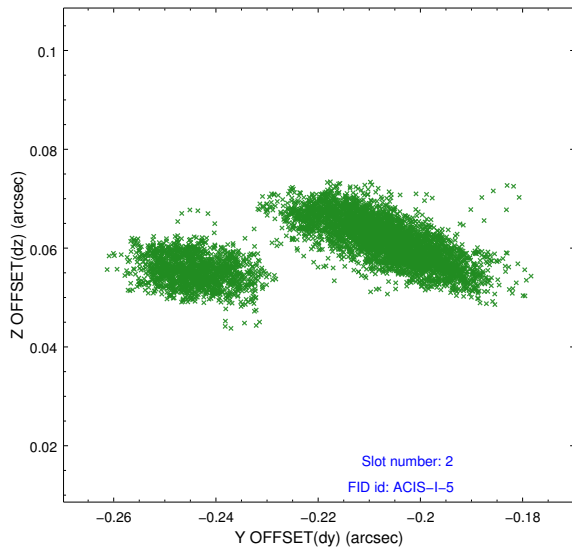
2.5.1 Slot 0



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)	2012.06.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.036059196949

A.2 Comments