

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4168 - L2 Version 3
Chandra X-Ray Center

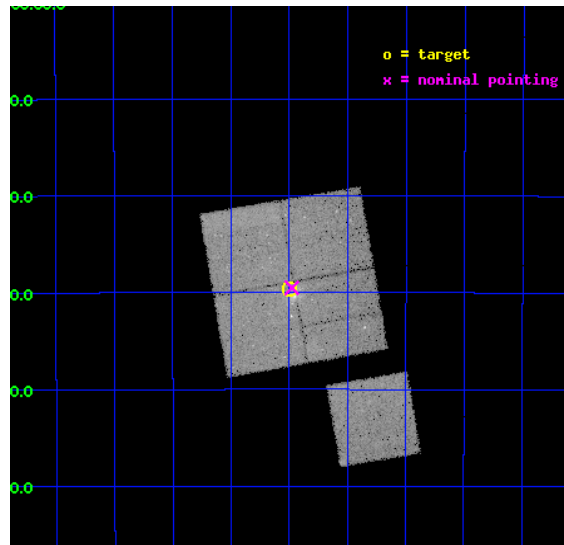
L2 Processing Date : Oct 28 2012

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1 Front

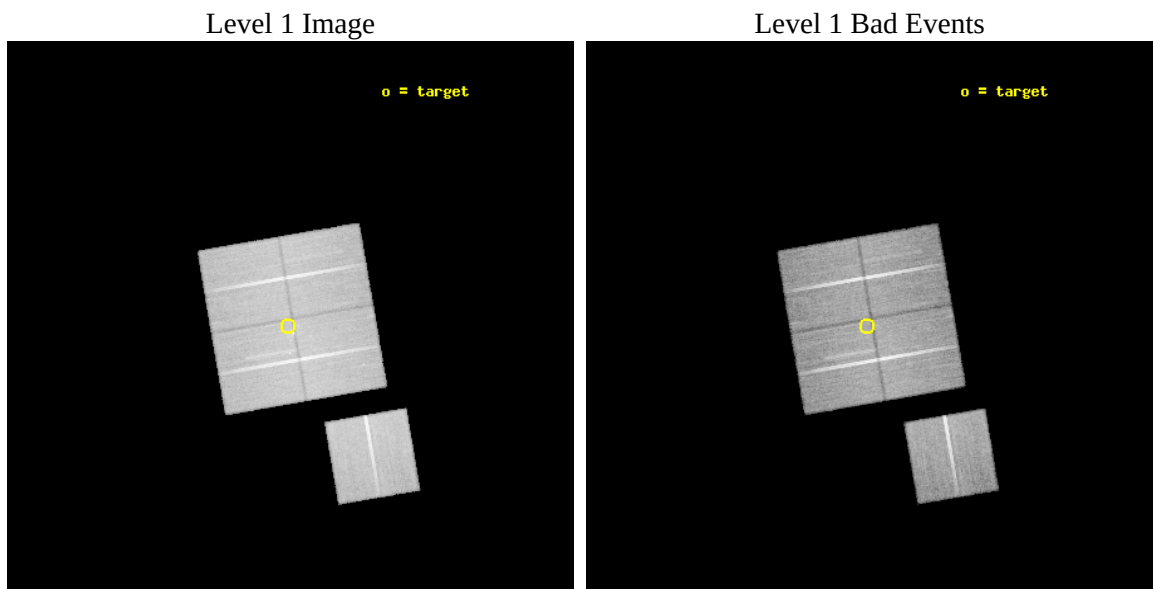
seq_num	800324	Sequence number
obs_id	4168	Observation id
title	SURVEYING THE FORNAX CLUSTER OF GALAXIES	Proposal title
observer	Dr Caleb Scharf	Principal investigator
object	FORNAX CLUSTER	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	54.24936	Observer's specified target RA [deg]
dec_targ	-35.4944	Observer's specified target Dec [deg]
ra_nom	54.244583648271	Nominal RA [deg]
dec_nom	-35.491882258791	Nominal Dec [deg]
roll_nom	170.20592076725	Nominal Roll [deg]
revision	3	Processing version of data
ontime	46236.29513979	Sum of GTIs [s]
livetime	45632.183905123	Livetime [s]
ontime0	46236.295149803	Sum of GTIs [s]
ontime1	46236.295079917	Sum of GTIs [s]
ontime2	46245.717990577	Sum of GTIs [s]
ontime3	46236.29513979	Sum of GTIs [s]
ontime6	46242.577030331	Sum of GTIs [s]
l2events	126921	Number of level 2 events



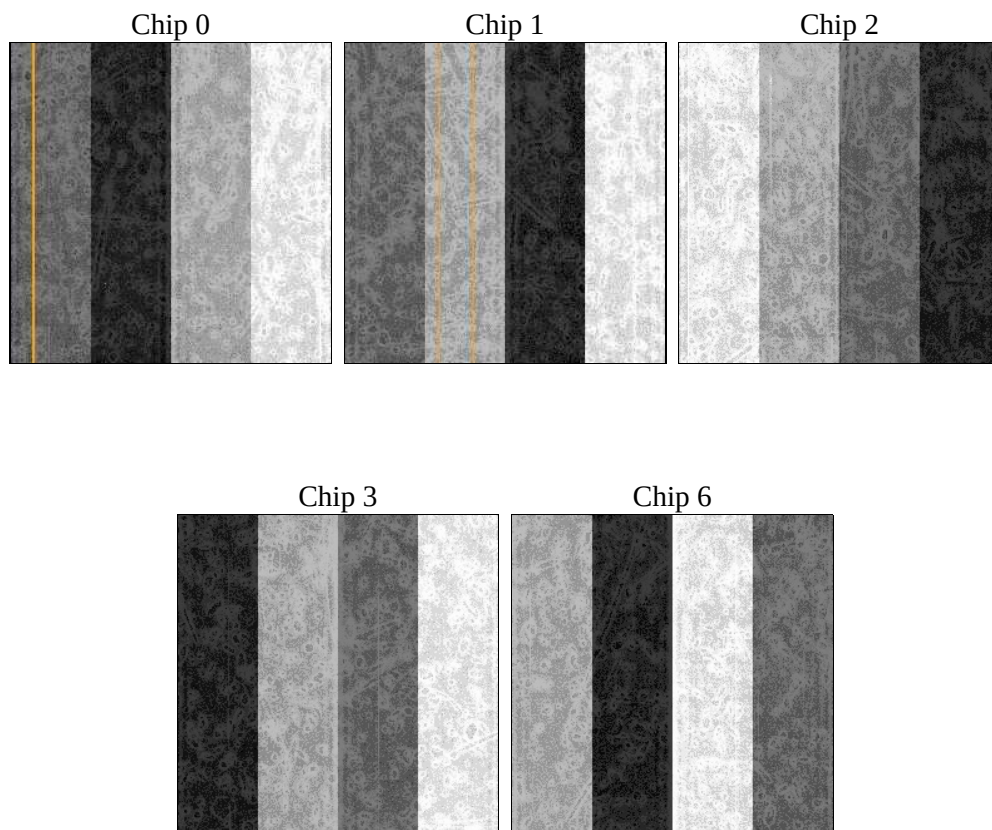
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	46116.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	46236.29513979	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	46236.295149803	Sum of GTIs [s]
date	2012-10-28T13:41:45	Date and time of file creation	ontime1	46236.295079917	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	46245.717990577	Sum of GTIs [s]
			ontime3	46236.29513979	Sum of GTIs [s]
			ontime6	46242.577030331	Sum of GTIs [s]
			l1events	1267881	Number of level 1 events

2.1.4 Events

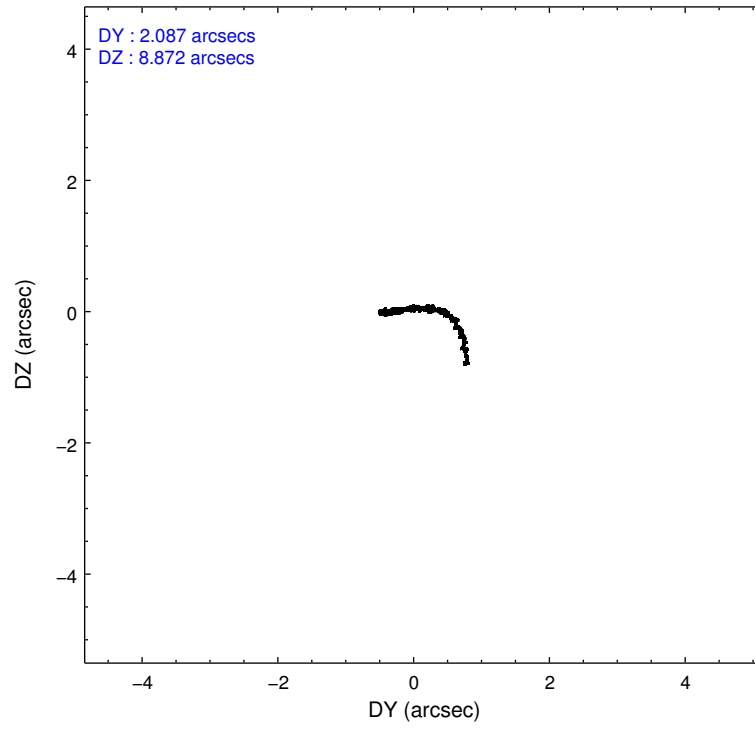
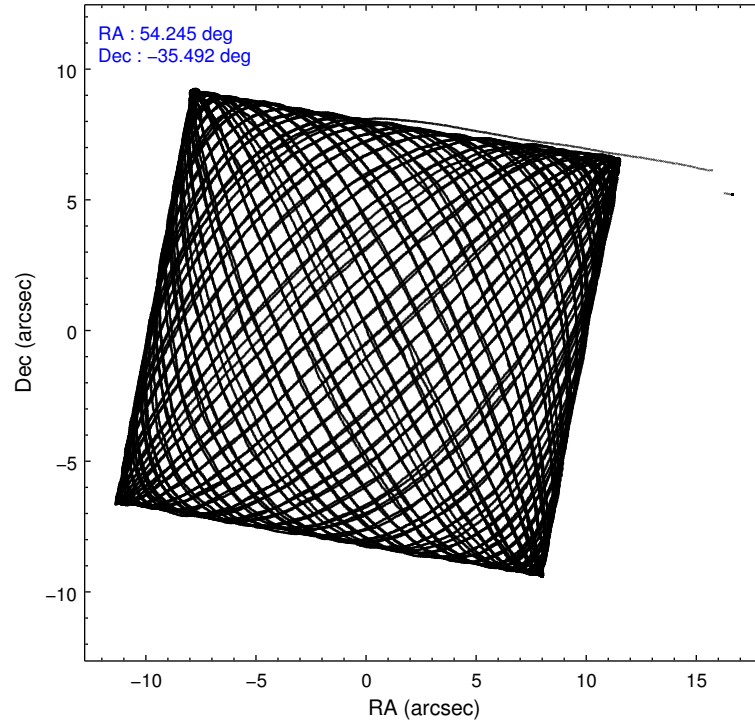
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	240884	247083	266208	261505	252201
rejected events	212645	211964	237812	229882	225634
rejected %	88%	85%	89%	87%	89%

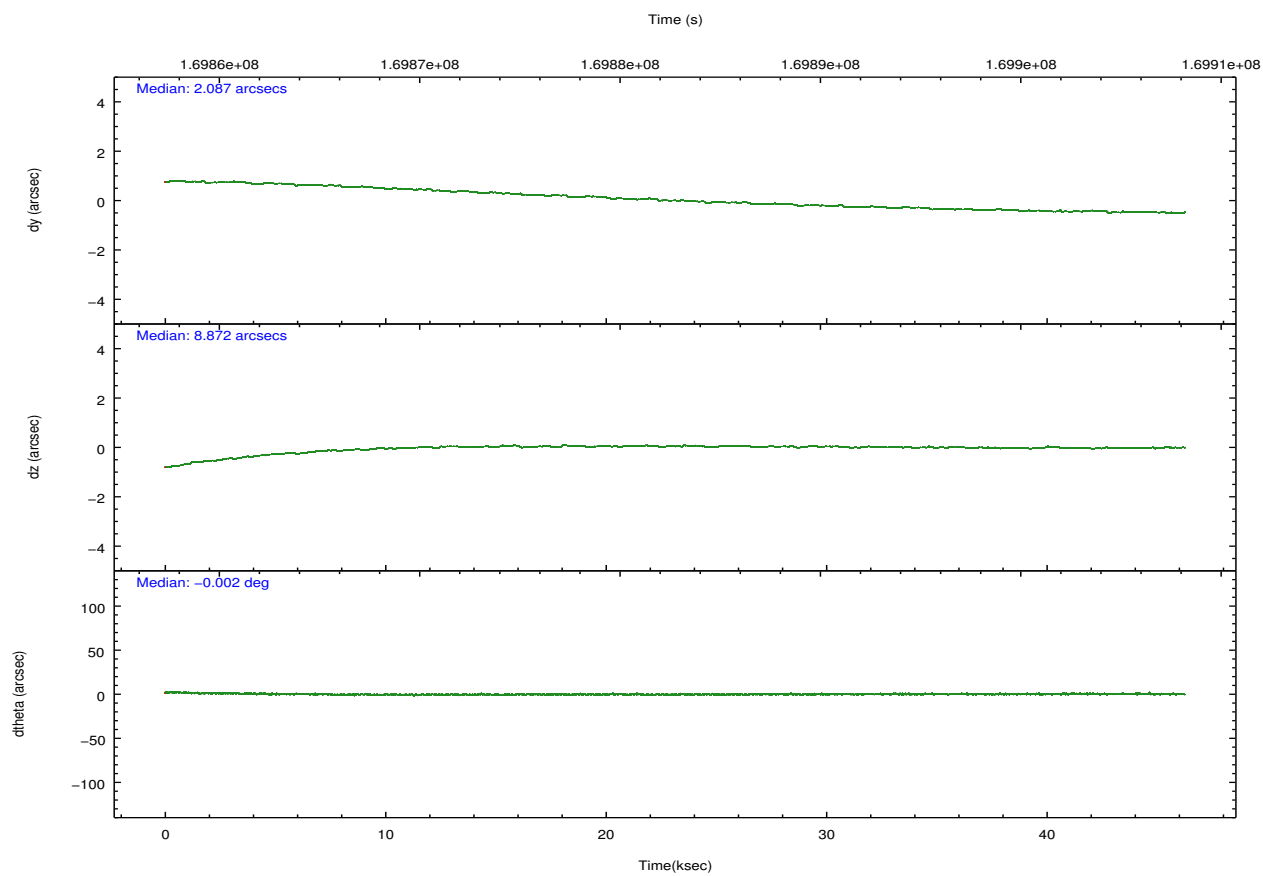
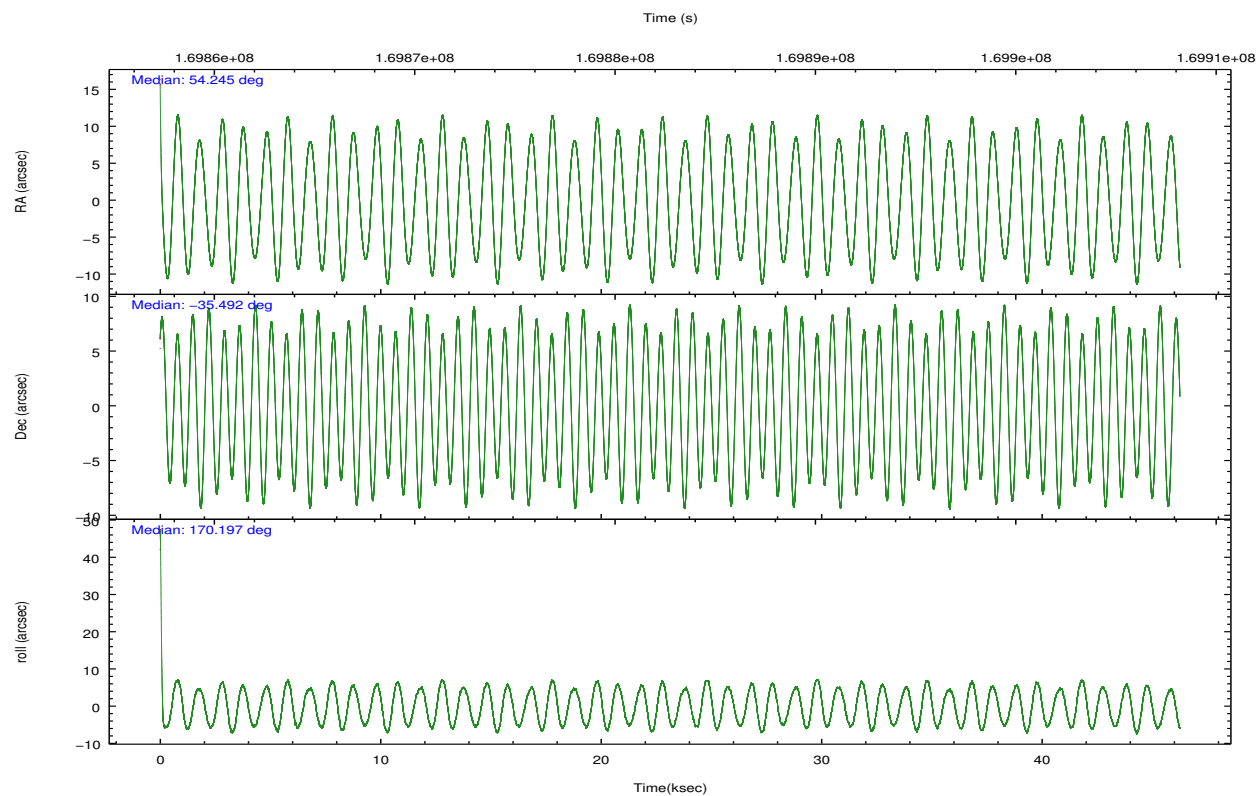
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	11822	16776	12608	15726	10327
	4%	6%	4%	6%	4%
grade 1 events	129	132	120	165	90
	0%	0%	0%	0%	0%
grade 2 events	6148	6460	5938	5669	5371
	2%	2%	2%	2%	2%
grade 3 events	3020	3358	2891	2972	2960
	1%	1%	1%	1%	1%
grade 4 events	2751	3305	2748	2874	2821
	1%	1%	1%	1%	1%
grade 5 events	8567	9117	8299	9797	9585
	3%	3%	3%	3%	3%
grade 6 events	4752	5477	4451	4625	5331
	1%	2%	1%	1%	2%
grade 7 events	203695	202458	229153	219677	215716
	84%	81%	86%	84%	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	54.276083	54.24458364827115	Subarray requested	NONE	NONE
[deg] Pointing Dec	-35.482330	-35.49188225879083	Alternating exposures requested	N	N
[deg] Pointing Roll	170.015510	170.205920767249	[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)	169859752.184000	169858588.0513			
Observation start date	2003-05-20T23:14:48	2003-05-20T22:56:28			
[s] Observation end time (MET)	169905868.184000	169906001.99081			
Observation end date	2003-05-21T12:03:24	2003-05-21T12:06:41			
Read mode	TIMED	TIMED			

2.3 Aspect



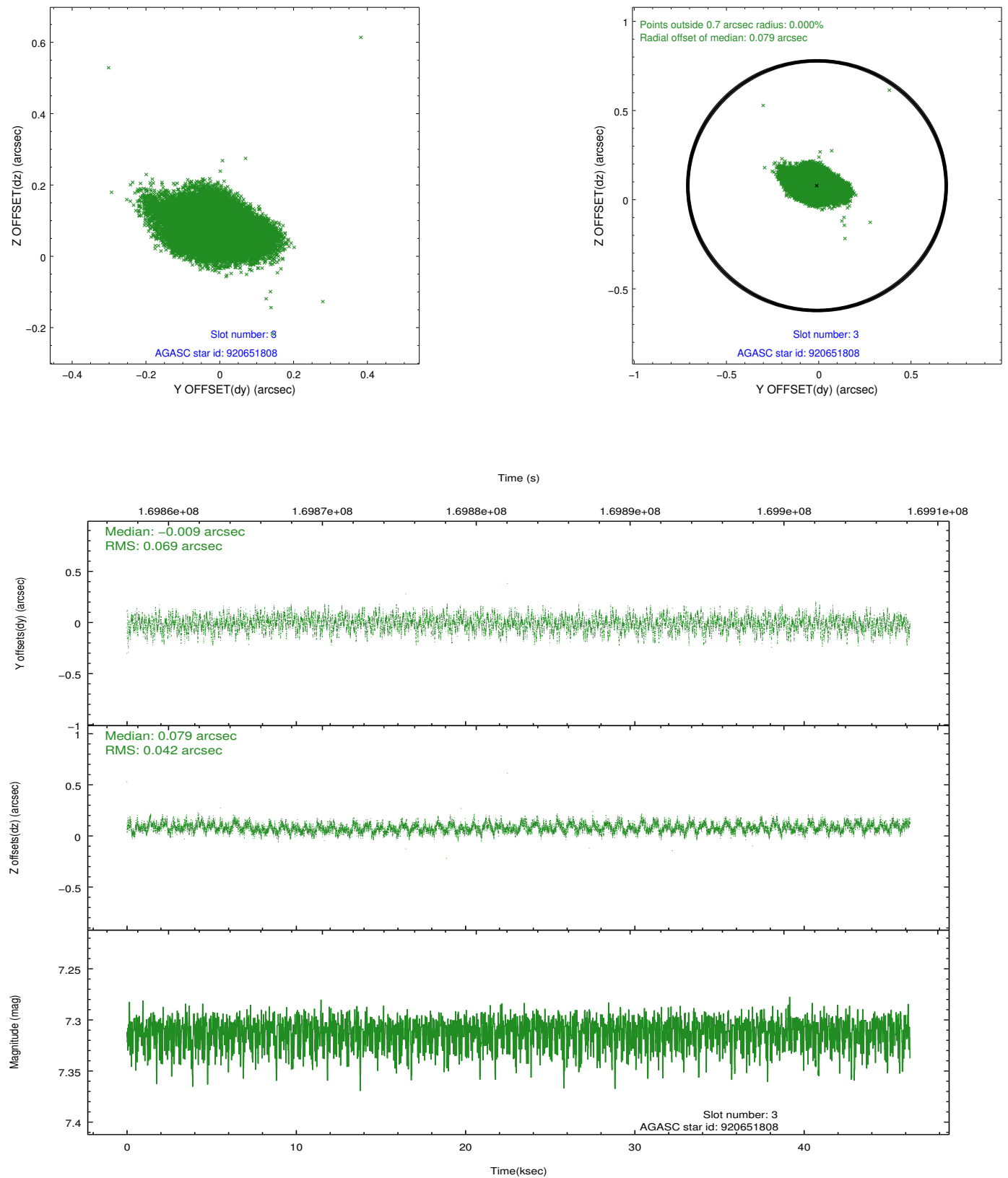


Slot Statistics

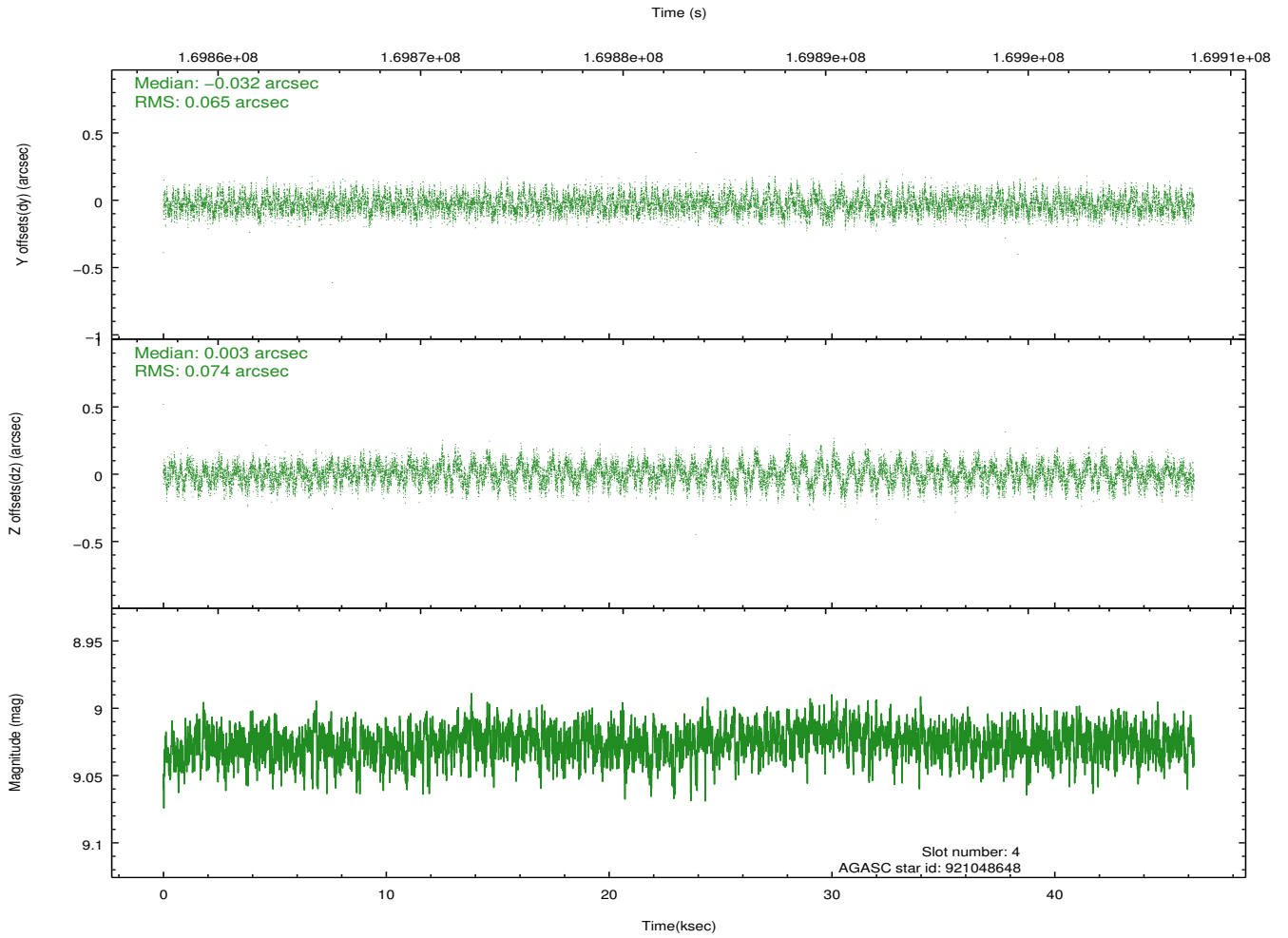
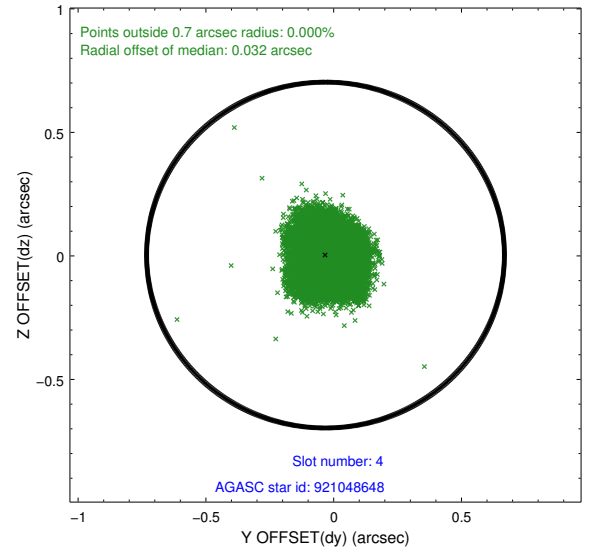
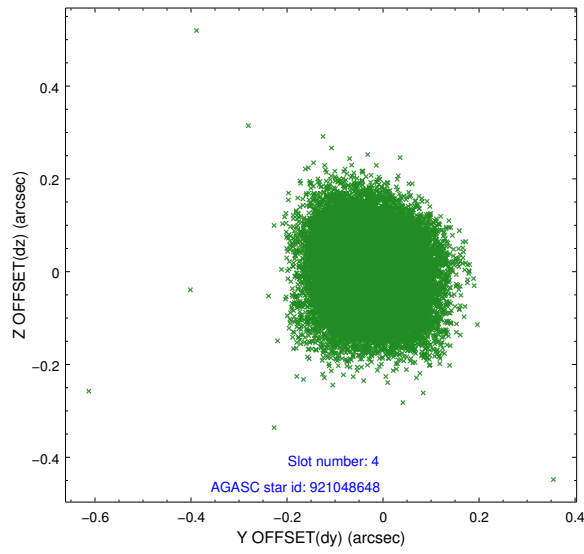
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	11277	-0.028	0.062	0.011	0.020	0.000000	0.000000	937.63	-832.19
1	FID	ACIS-I-5	7.24	11275	-0.071	0.024	0.011	0.020	0.000000	0.000000	-1810.52	1065.26
2	FID	ACIS-I-6	7.26	11278	0.008	-0.016	0.010	0.018	0.000000	0.000000	403.22	1709.72
3	GUIDE	920651808	7.31	22557	-0.009	0.079	0.085	0.143	53.624364	-34.832415	2301.72	-1963.30
4	GUIDE	921048648	9.03	22548	-0.032	0.003	0.106	0.167	53.884610	-35.870023	882.28	1574.97
5	GUIDE	921965624	8.63	22555	0.096	-0.060	0.089	0.144	54.900706	-35.940077	-2079.71	1312.99
6	GUIDE	921970016	9.41	22545	0.059	-0.180	0.108	0.176	54.228536	-36.081558	-238.71	2148.50
7	GUIDE	921572720	8.73	22548	-0.108	0.155	0.105	0.167	54.127171	-34.789534	866.37	-2378.97

2.4 Star Slots

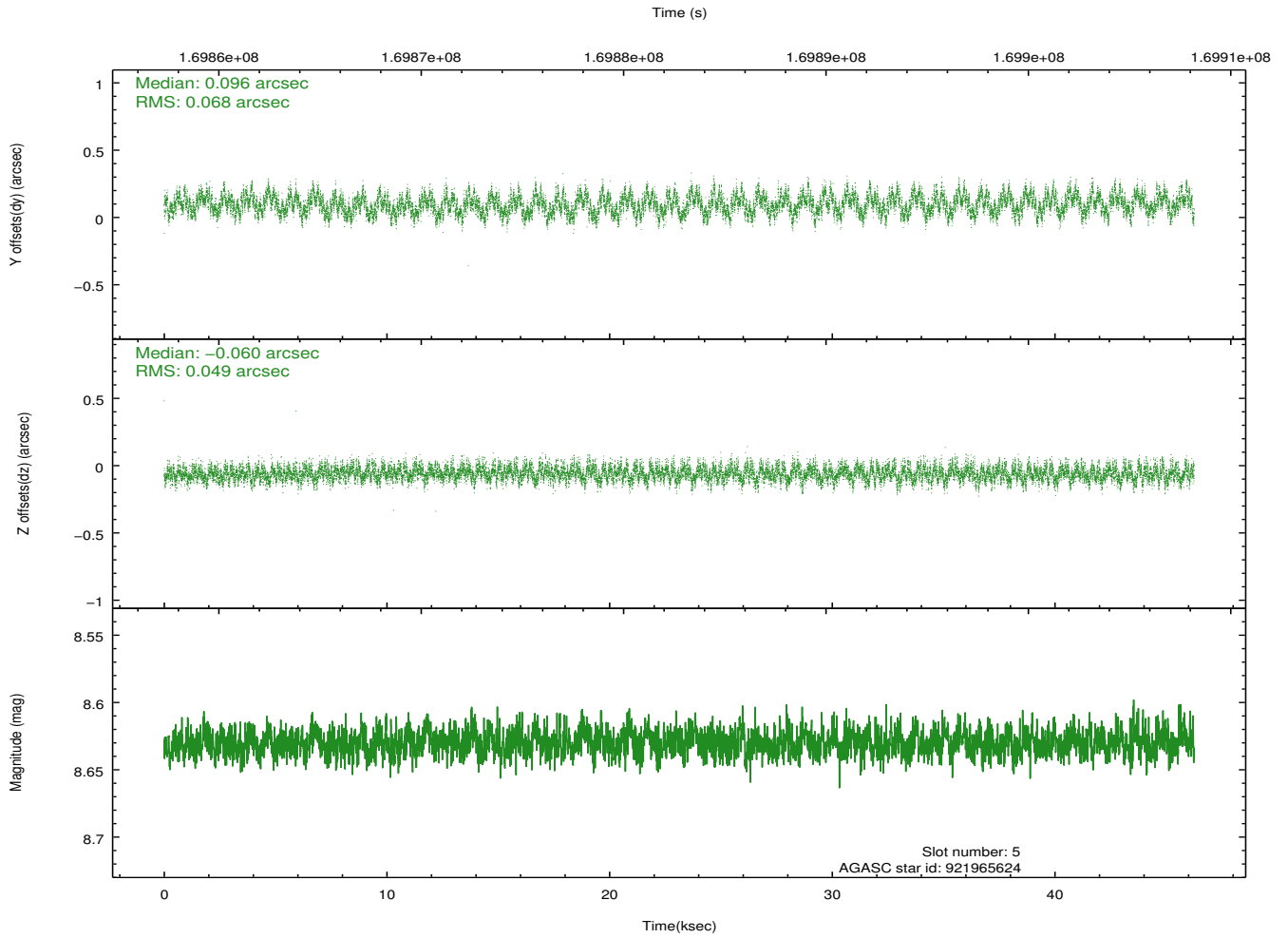
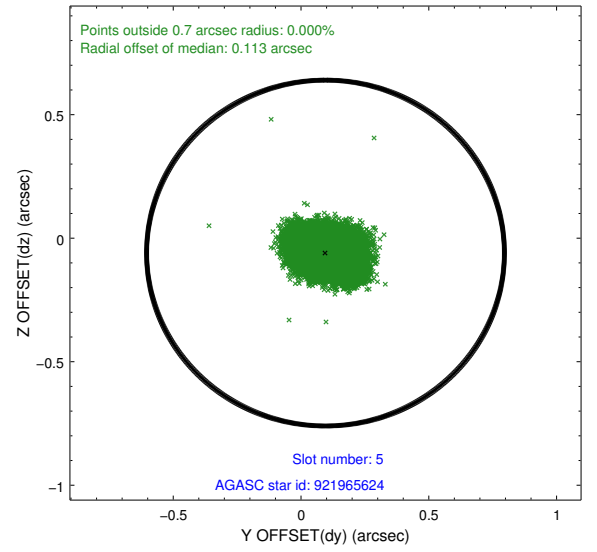
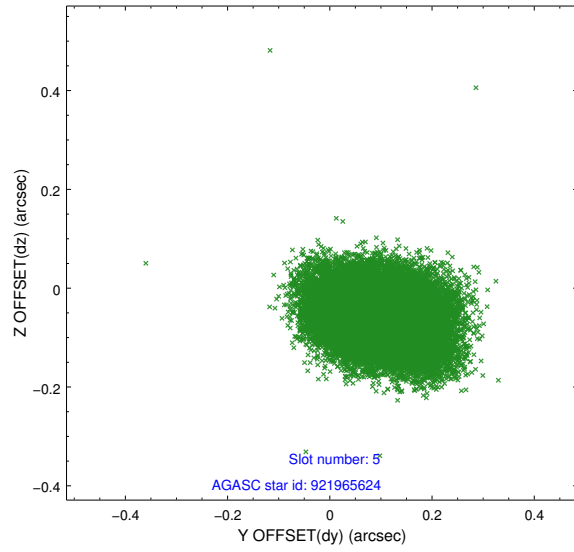
2.4.1 Slot 3



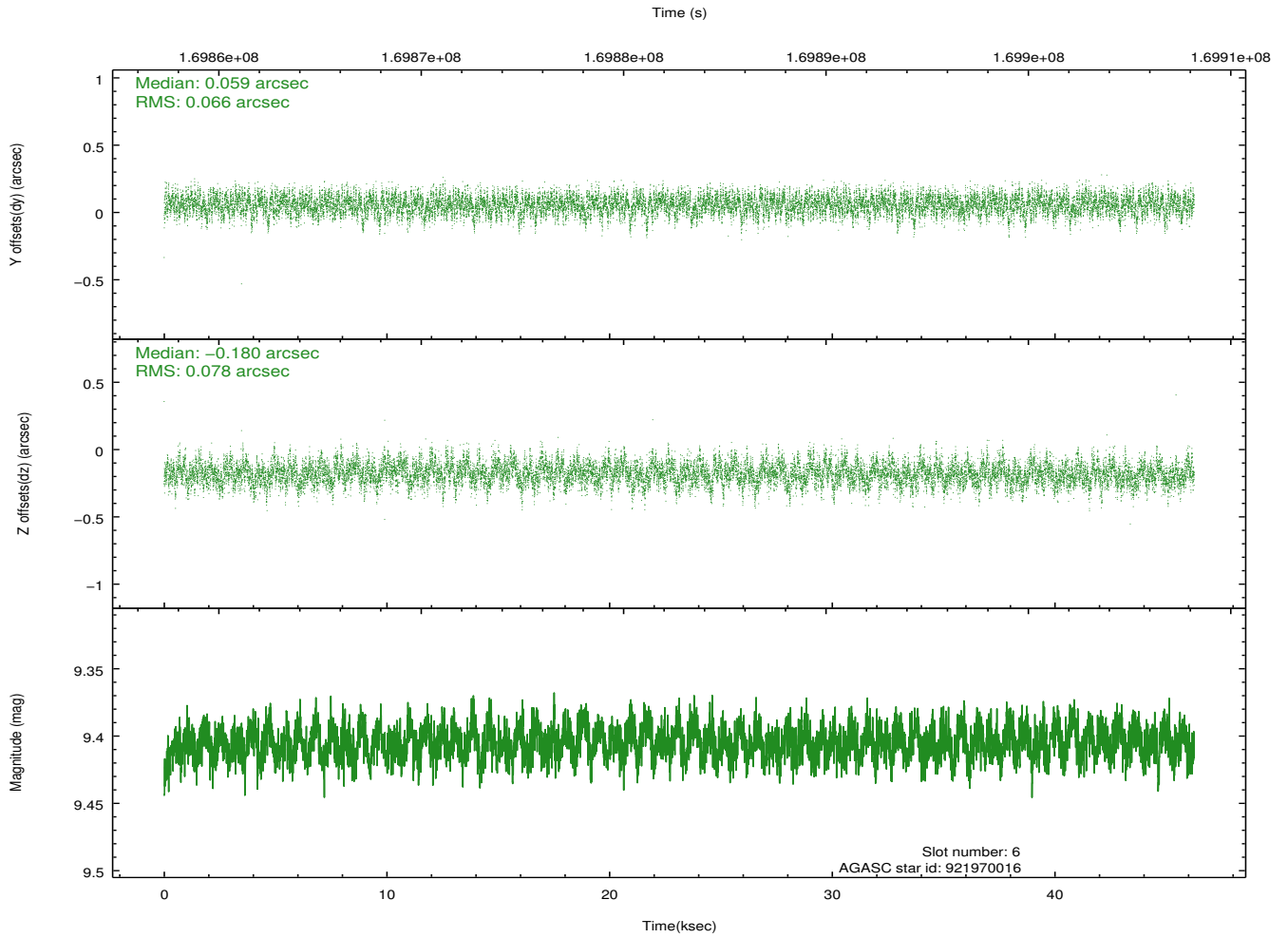
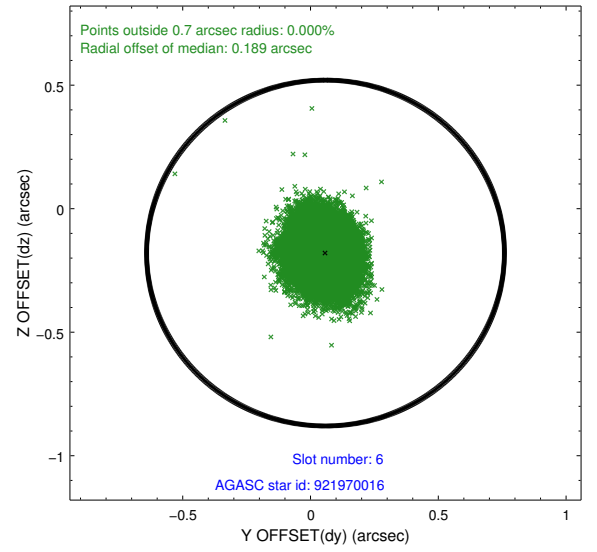
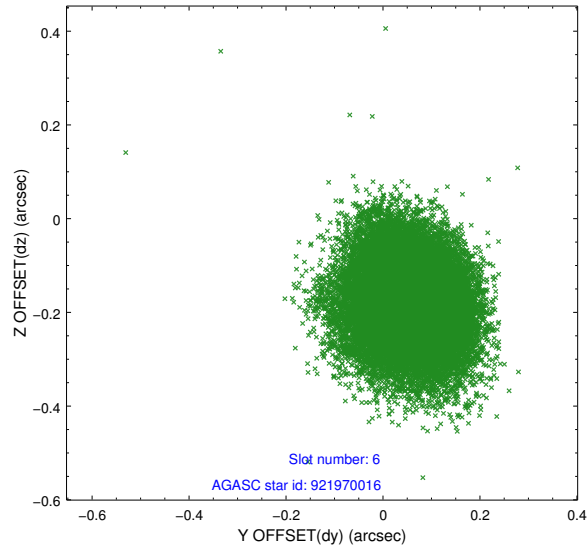
2.4.2 Slot 4



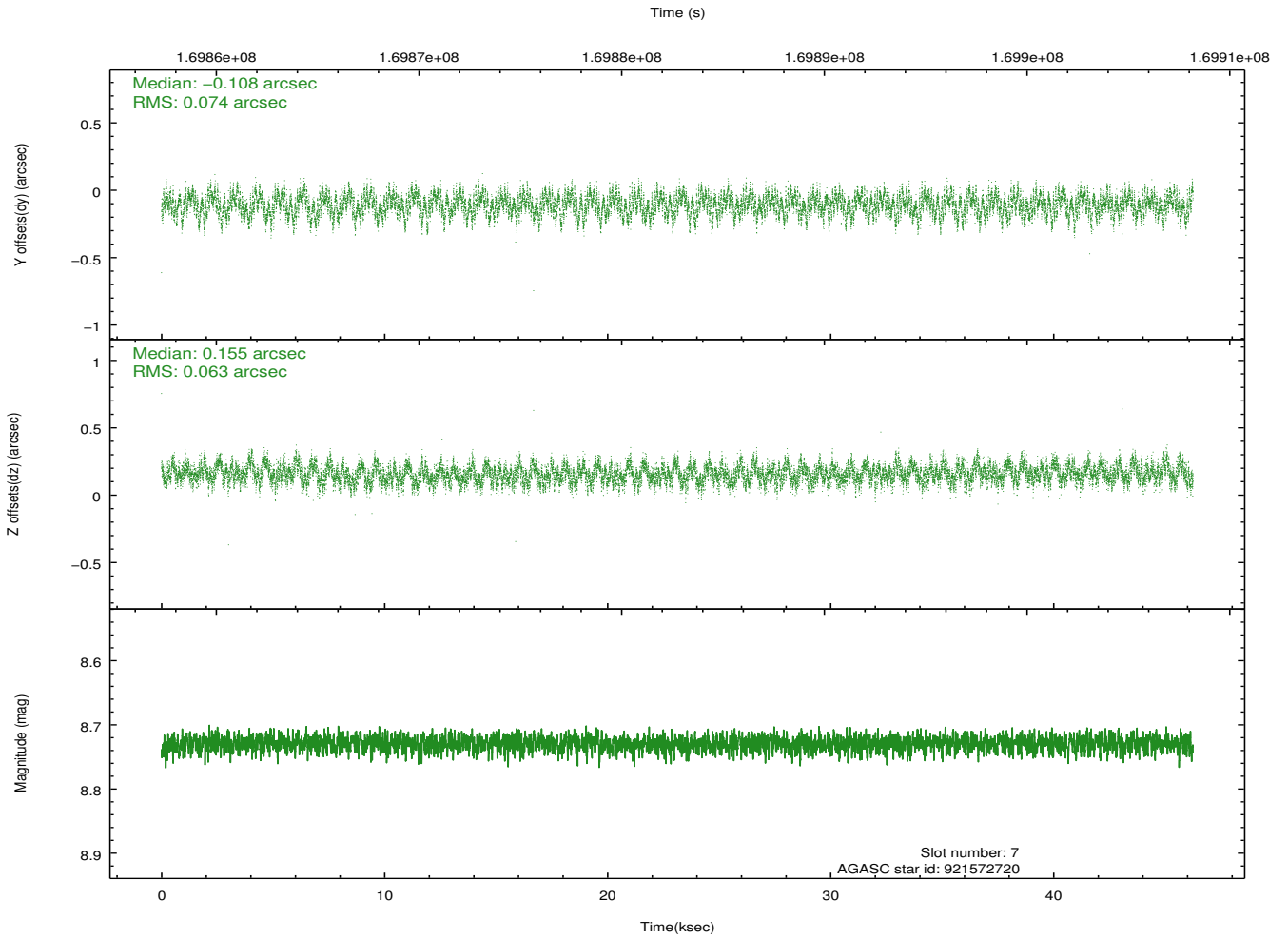
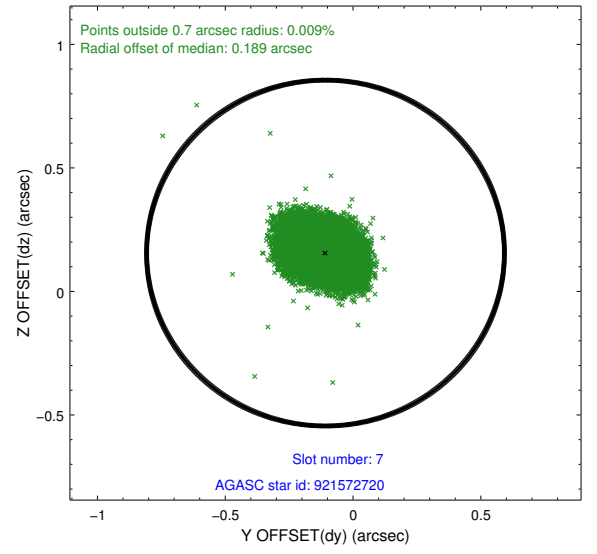
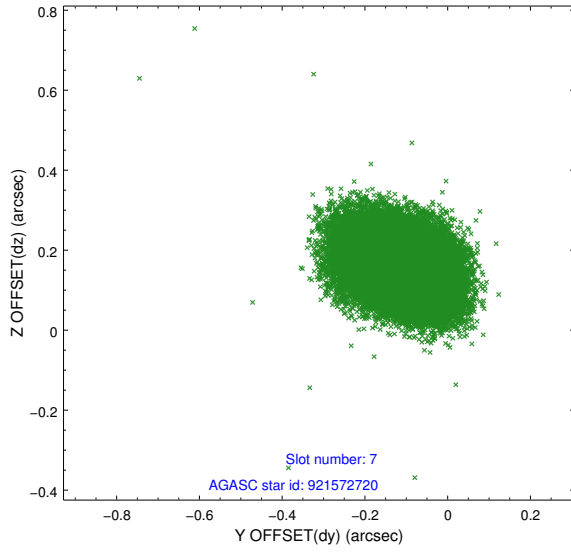
2.4.3 Slot 5



2.4.4 Slot 6

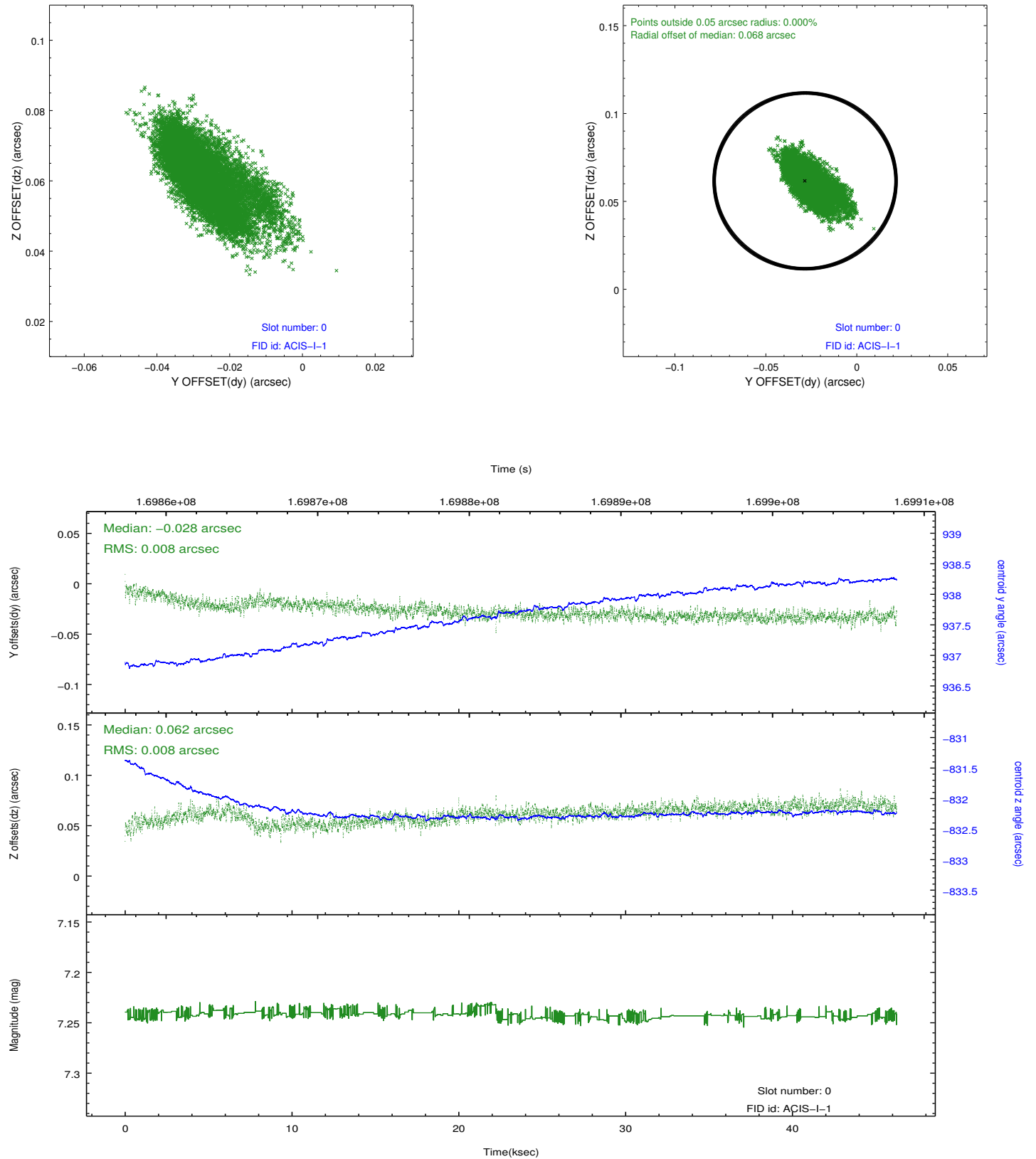


2.4.5 Slot 7

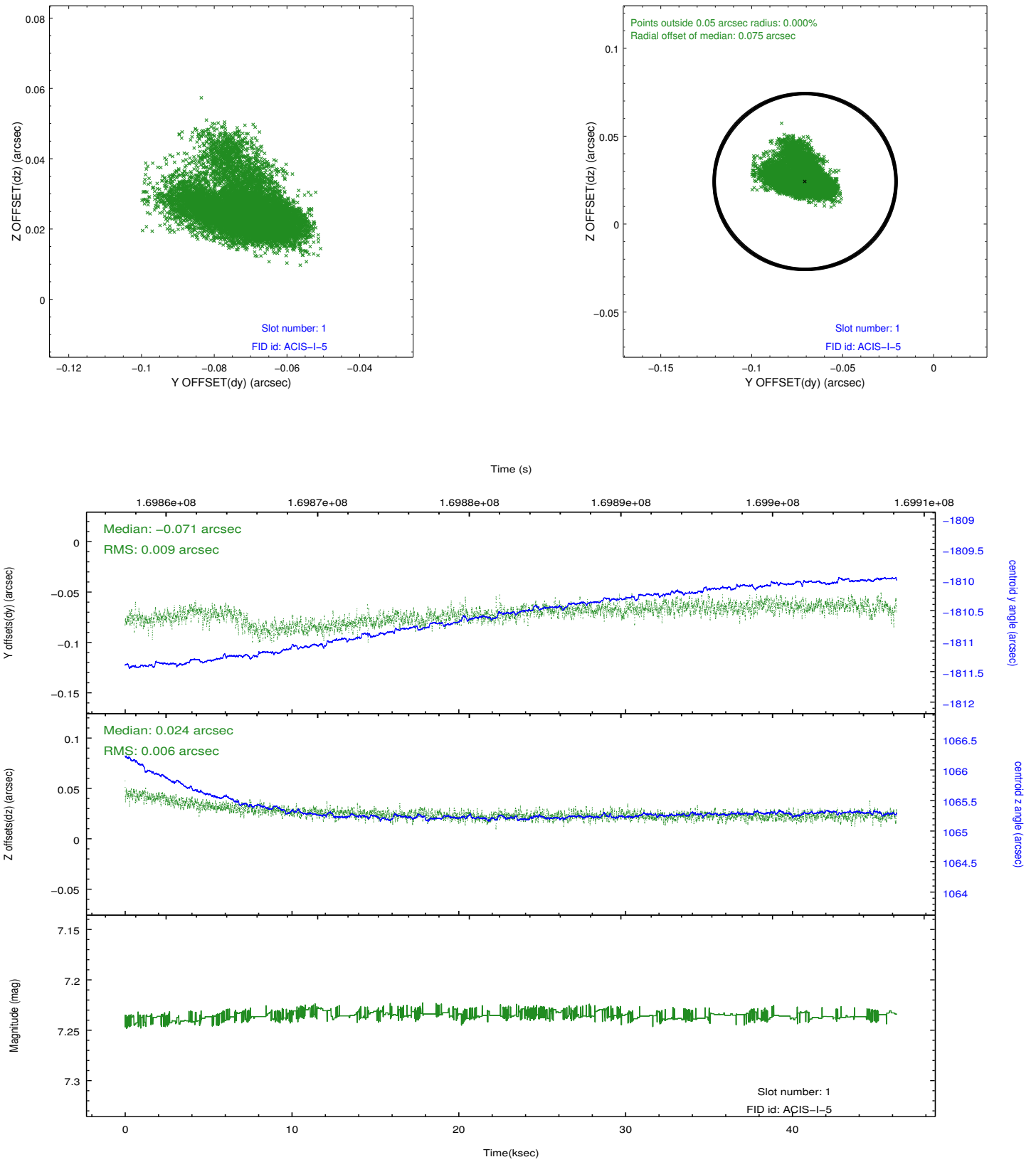


2.5 FID Slots

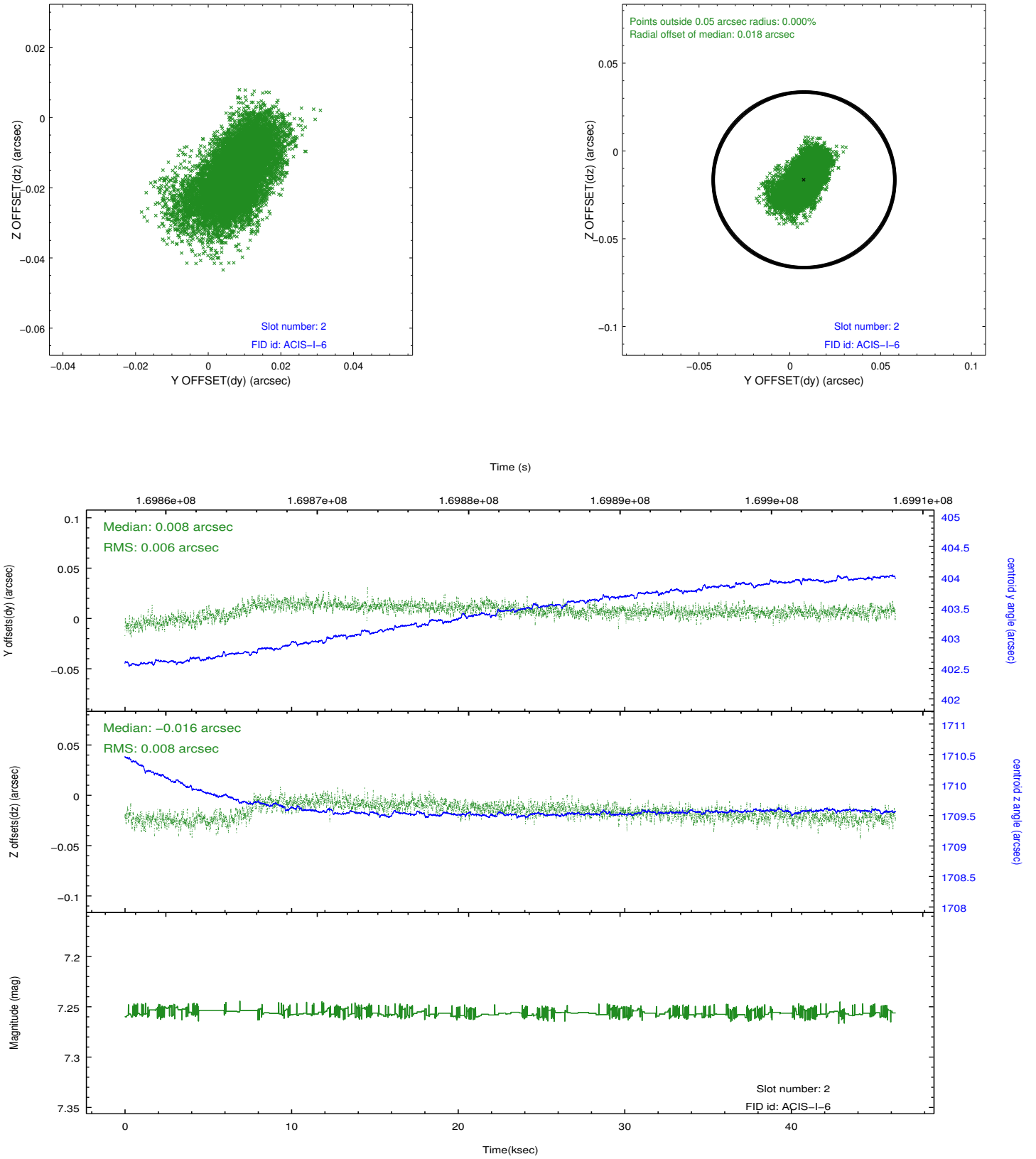
2.5.1 Slot 0



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	46.236

A.2 Comments