

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11440 - L2 Version 2
Chandra X-Ray Center

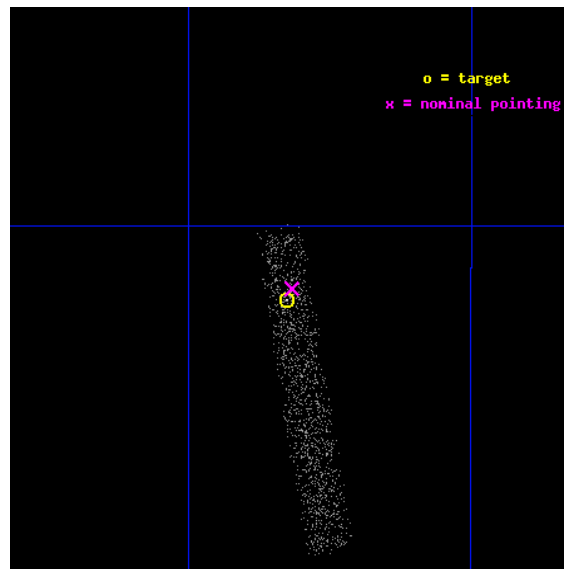
L2 Processing Date : Jun 13 2012

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

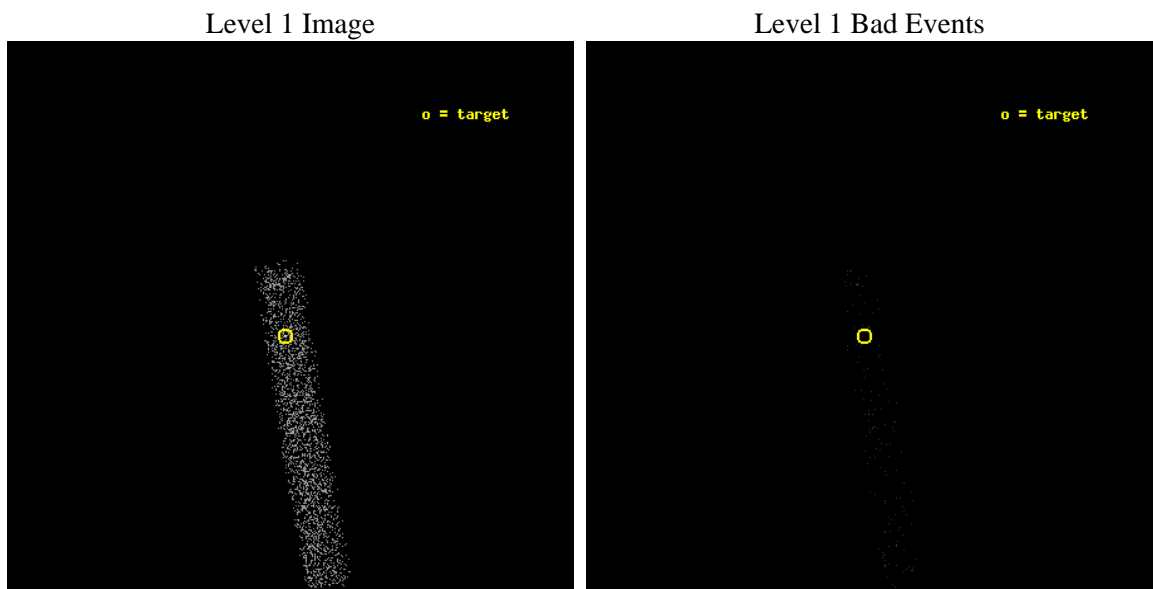
seq_num	702026	Sequence number
obs_id	11440	Observation id
title	X-ray Signatures of Accretion in AGNs with Intermediate-mass Black Holes	Proposal title
observer	Dr. Luis Ho	Principal investigator
object	SDSS J022849.51-090153.7	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	37.20625	Observer's specified target RA [deg]
dec_targ	-9.031583	Observer's specified target Dec [deg]
ra_nom	37.204215215394	Nominal RA [deg]
dec_nom	-9.0269638636976	Nominal Dec [deg]
roll_nom	80.65579473017	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2009.1998802423	Sum of GTIs [s]
livetime	1822.2382371144	Livetime [s]
ontime7	2009.1998802423	Sum of GTIs [s]
l2events	1464	Number of level 2 events



2 OBI

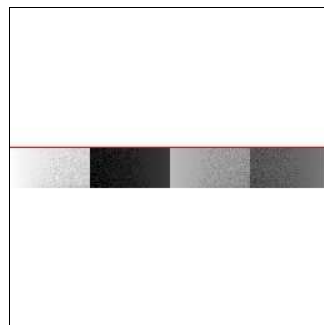
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2009.1998802423	Sum of GTIs [s]
caldsver	4.4.10	 	ontime7	2009.1998802423	Sum of GTIs [s]
date	2012-06-13T18:50:18	Date and time of file creation	l1events	2908	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

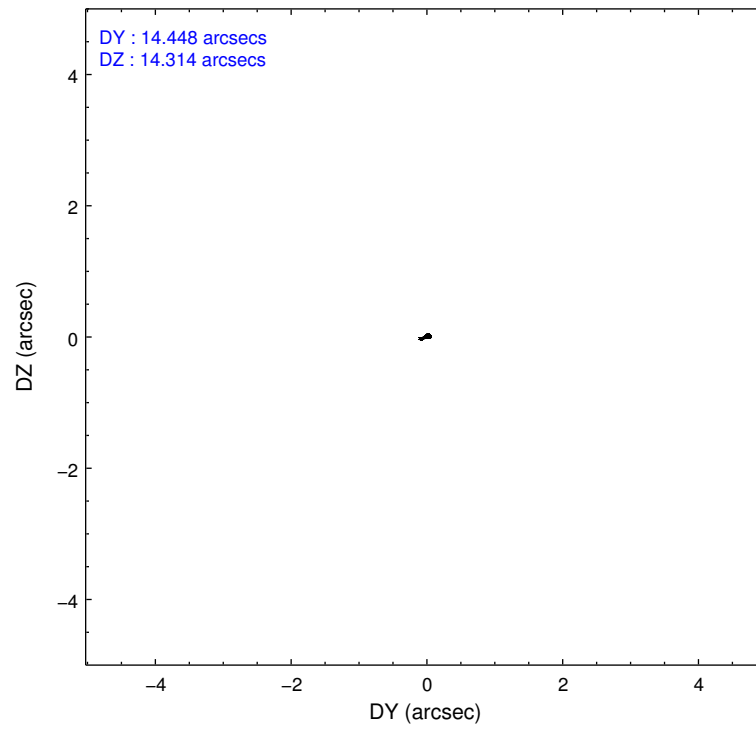
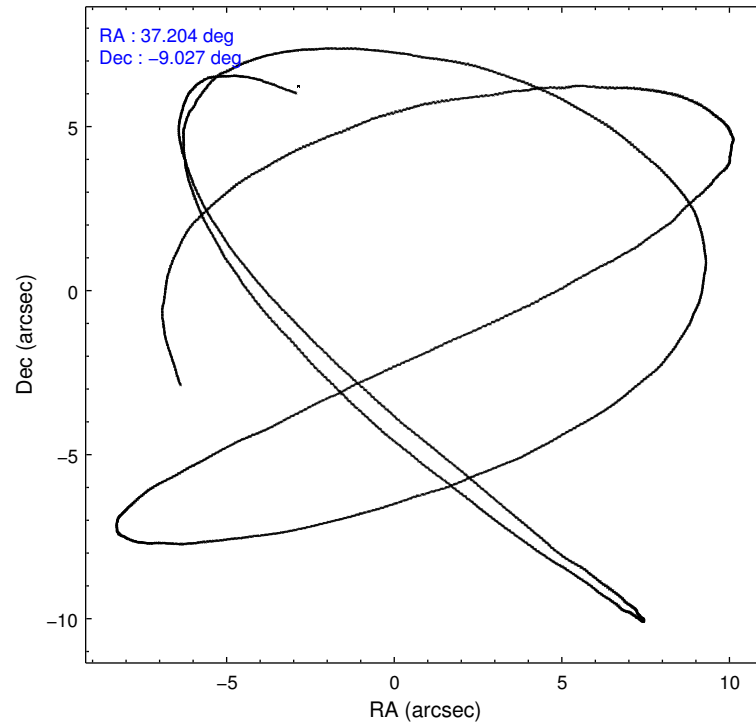
	ccd 7
level 1 events	2908
rejected events	1371
rejected %	47%

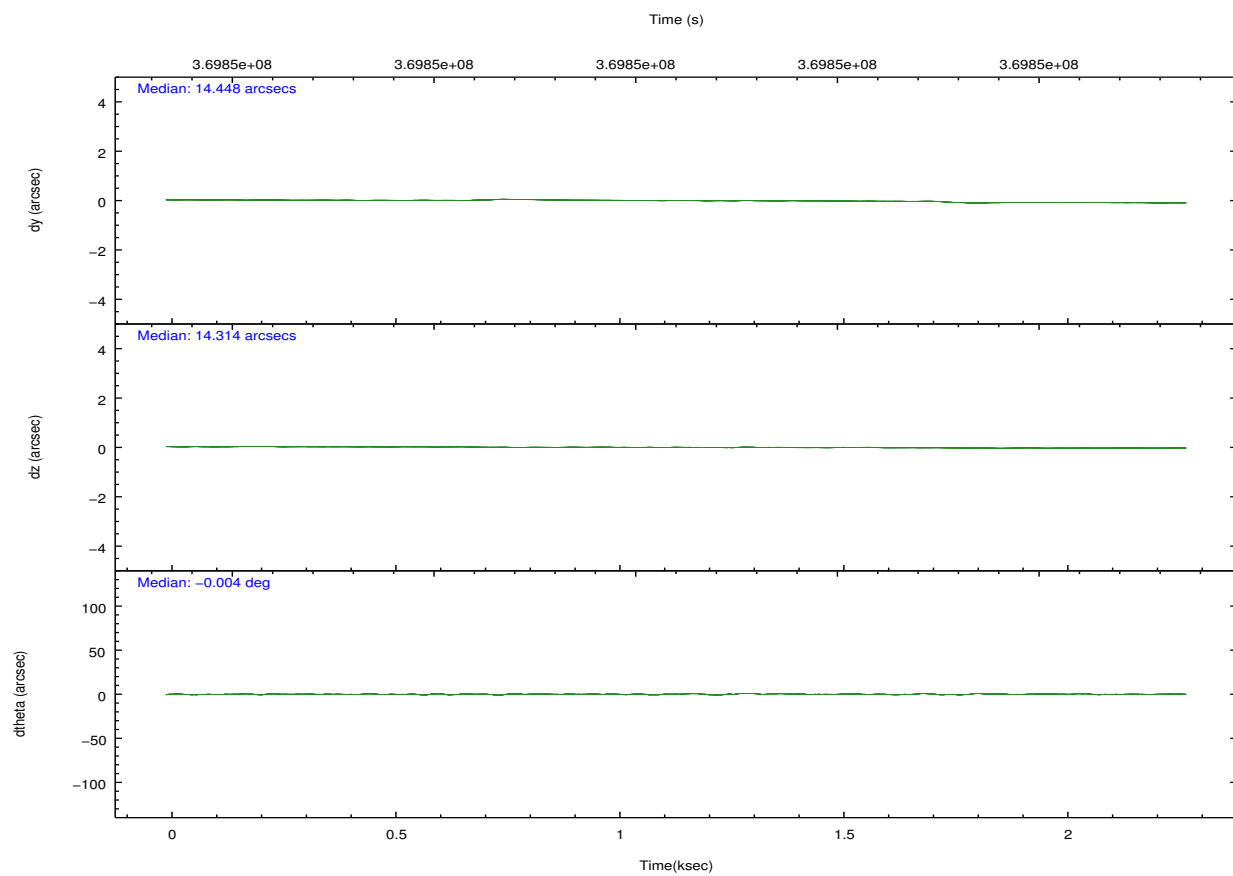
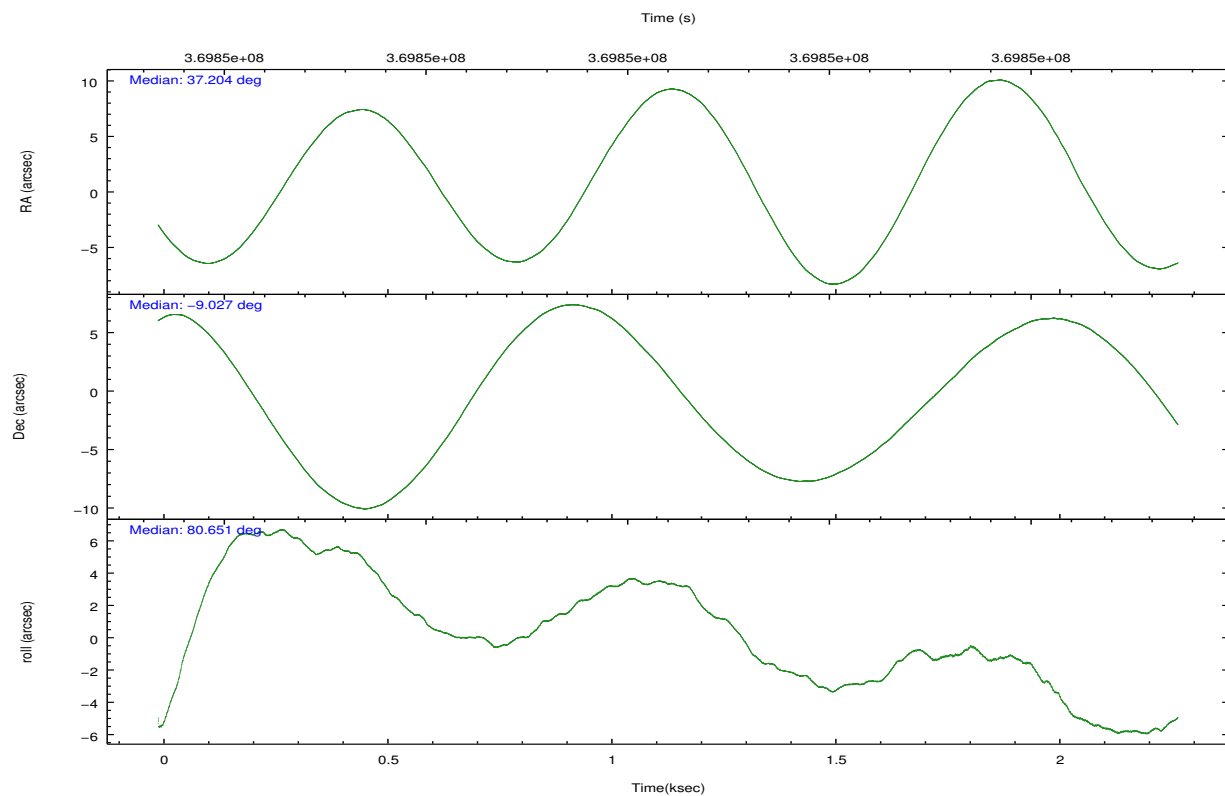
	ccd 7
grade 0 events	174
	5%
grade 1 events	5
	0%
grade 2 events	290
	9%
grade 3 events	216
	7%
grade 4 events	200
	6%
grade 5 events	311
	10%
grade 6 events	657
	22%
grade 7 events	1055
	36%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	37.214501	37.20421521539361	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-9.052552	-9.026963863697556	Subarray start row	449	449
[deg] Pointing Roll	80.500761	80.65579473017007	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	369846727.184000	369846144.72841			
Observation start date	2009-09-20T15:11:01	2009-09-20T15:02:24			
[s] Observation end time (MET)	369848727.184000	369849123.89106			
Observation end date	2009-09-20T15:44:21	2009-09-20T15:52:03			
Read mode	TIMED	TIMED			

2.3 Aspect



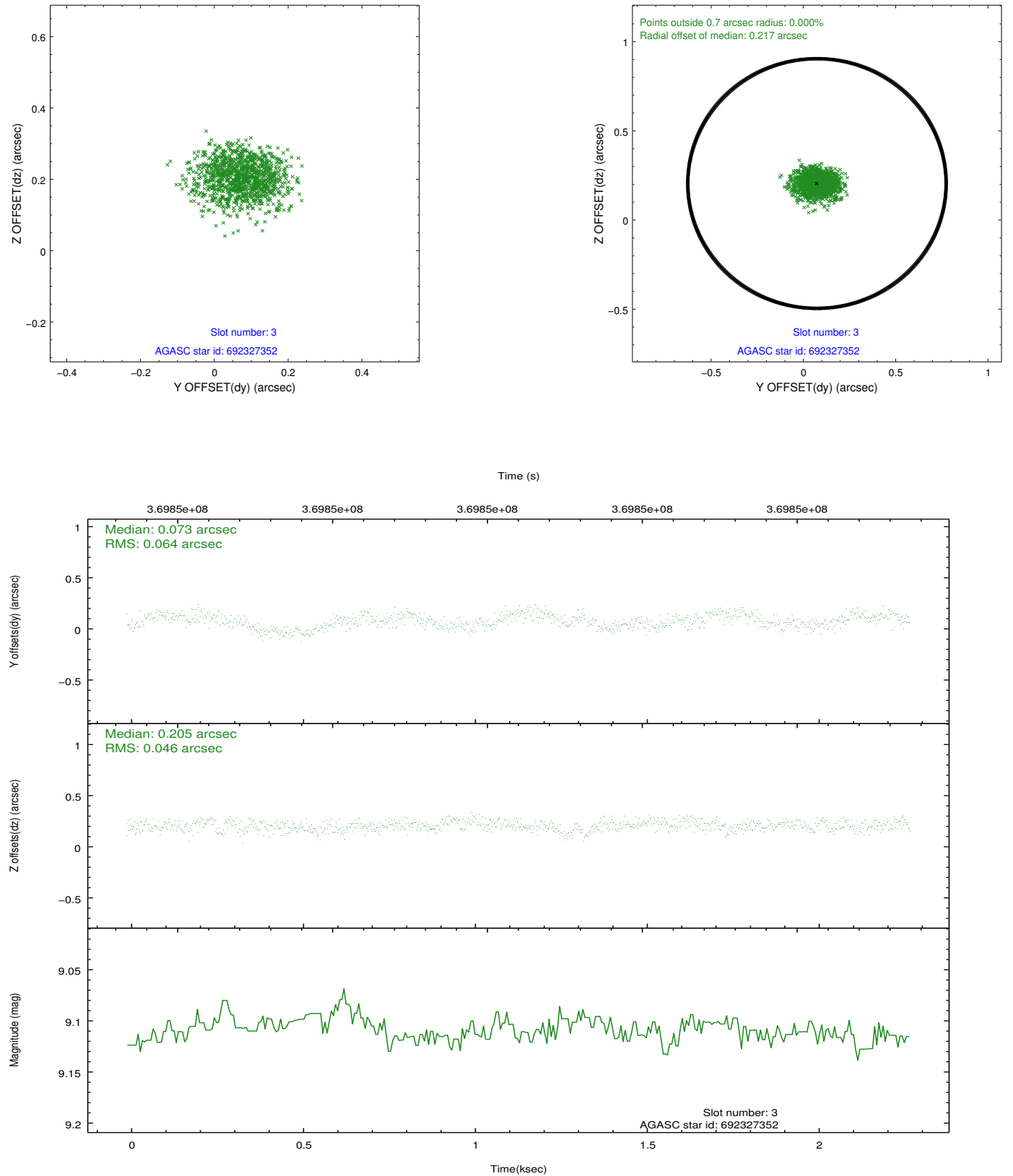


Slot Statistics

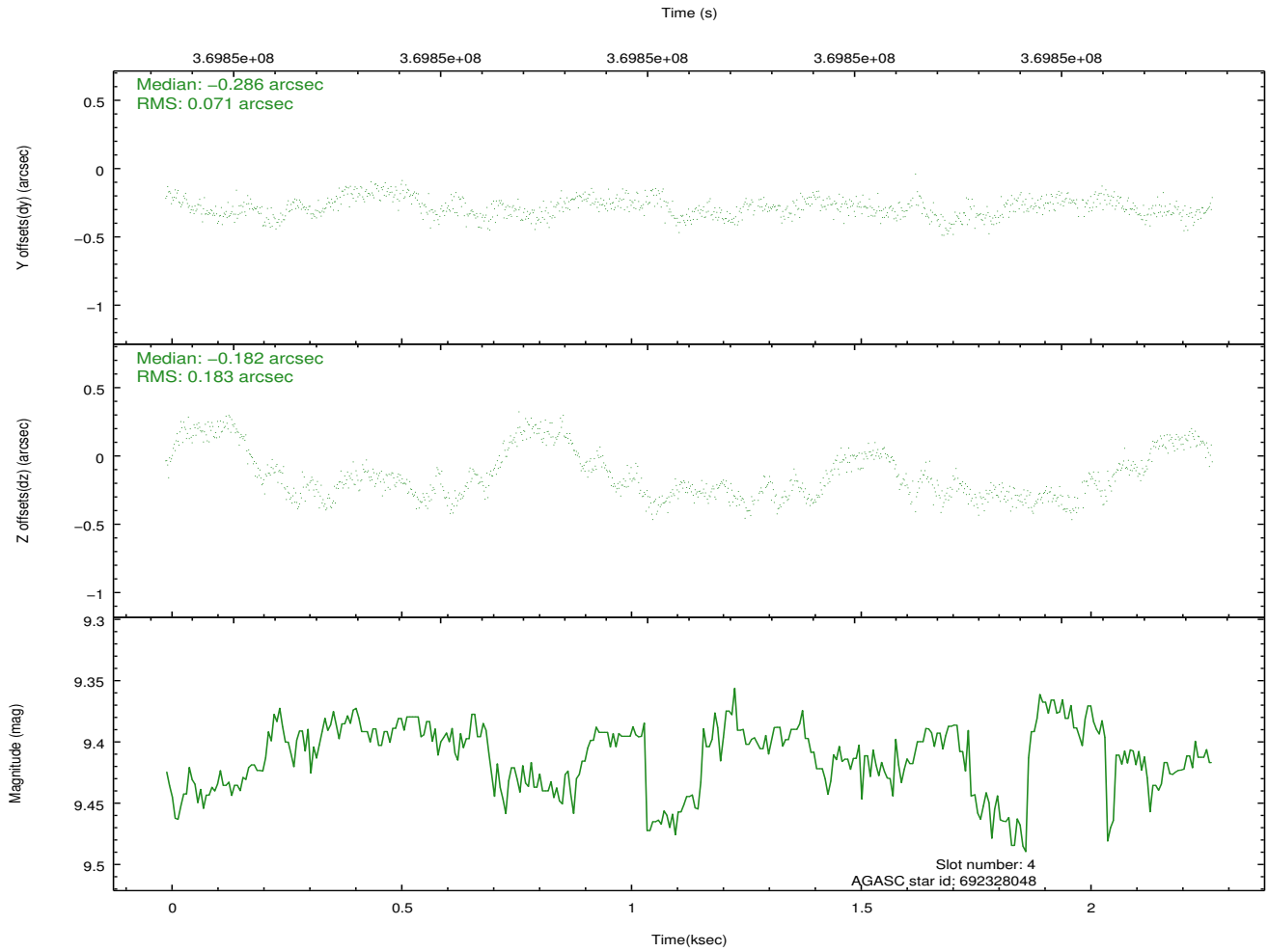
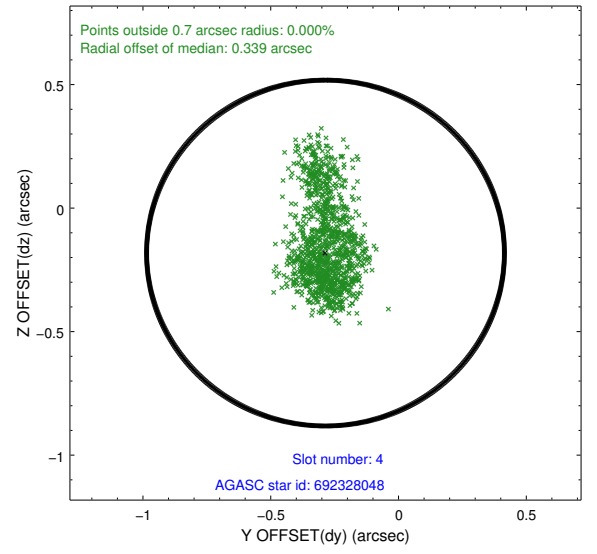
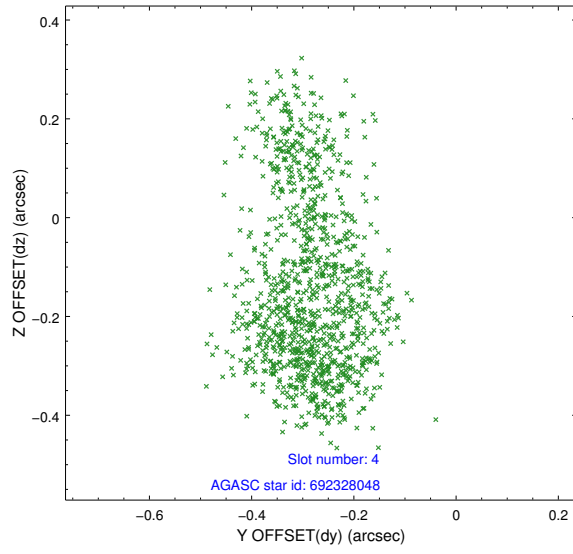
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.97	556	-0.086	-0.068	0.007	0.011	0.000000	0.000000	-767.47	-1735.64
1	FID	ACIS-S-4	7.05	556	0.239	0.060	0.006	0.011	0.000000	0.000000	2144.82	170.01
2	FID	ACIS-S-5	7.08	556	-0.184	0.017	0.006	0.011	0.000000	0.000000	-1816.76	166.88
3	GUIDE	692327352	9.11	1111	0.073	0.205	0.084	0.137	37.165312	-9.595949	-1958.35	-151.04
4	GUIDE	692328048	9.41	1103	-0.286	-0.182	0.186	0.382	36.627199	-8.914605	140.90	2140.82
5	GUIDE	692332784	9.77	1110	0.101	-0.075	0.171	0.283	37.078504	-9.403848	-1327.37	268.90
6	GUIDE	692334480	8.92	1112	0.185	-0.090	0.080	0.133	36.636798	-9.616601	-2344.49	1686.37
7	GUIDE	692338128	8.23	1111	-0.071	0.121	0.081	0.128	37.441699	-9.399268	-1100.47	-1000.82

2.4 Star Slots

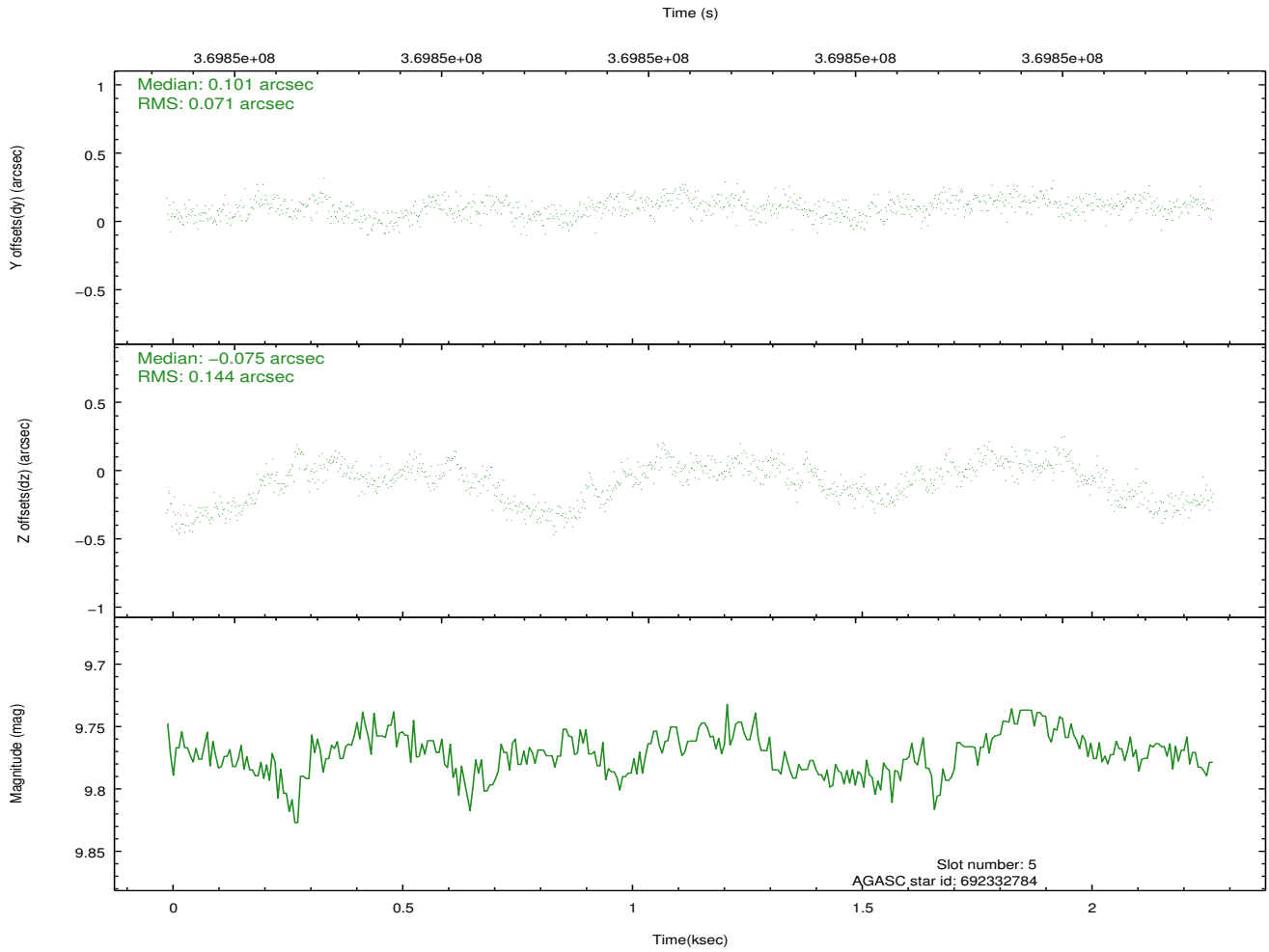
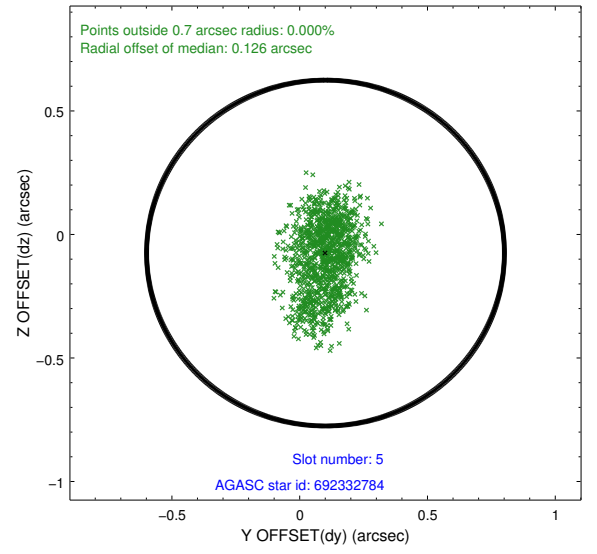
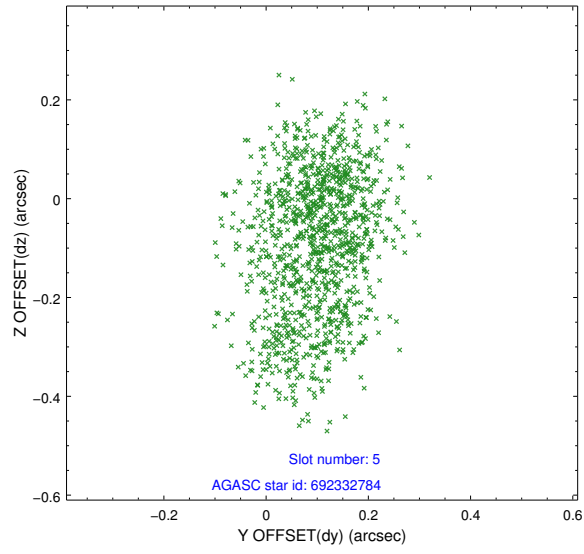
2.4.1 Slot 3



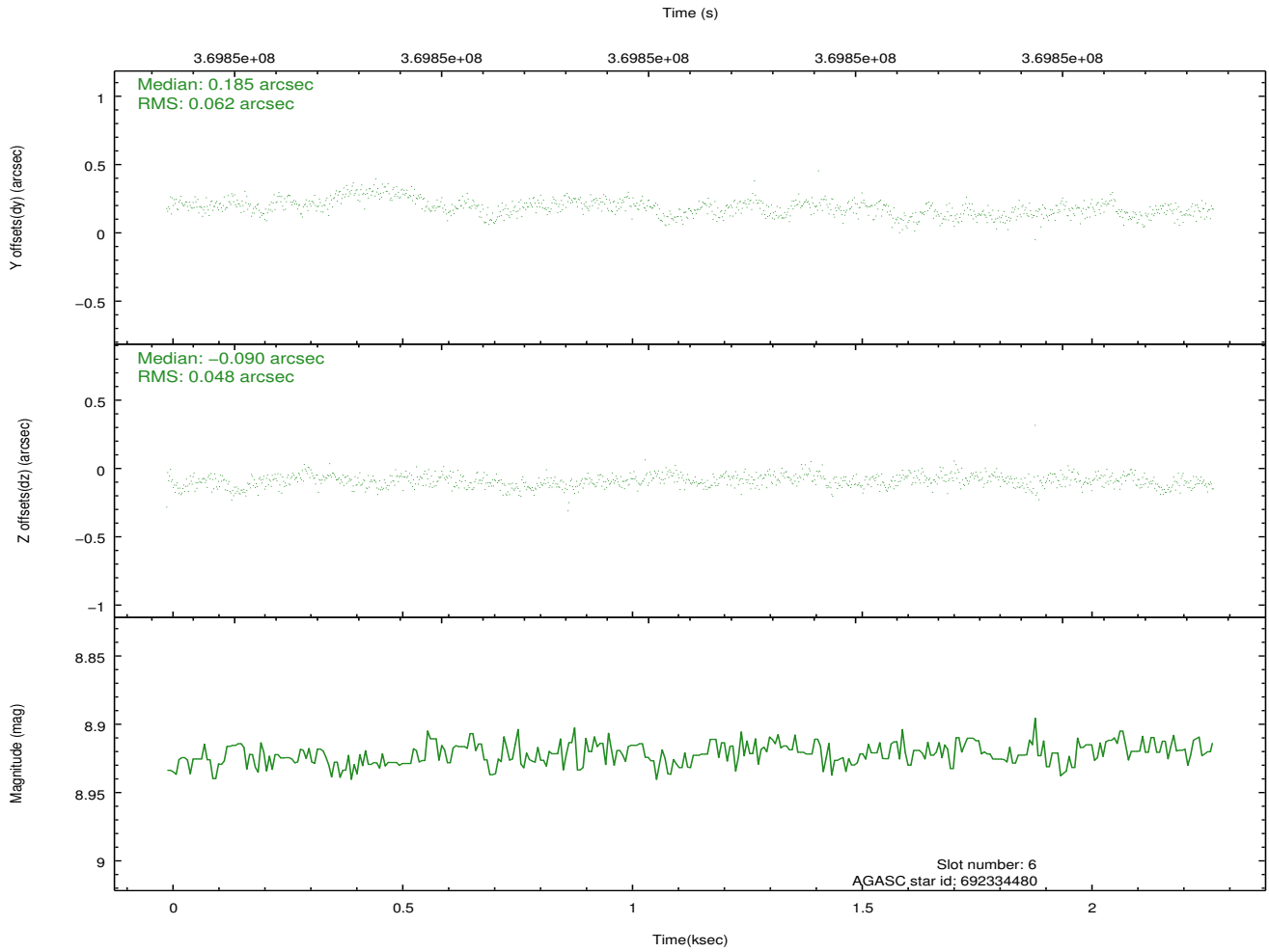
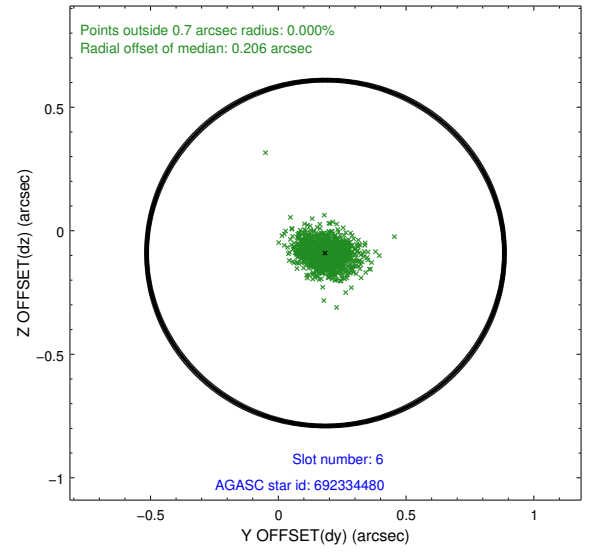
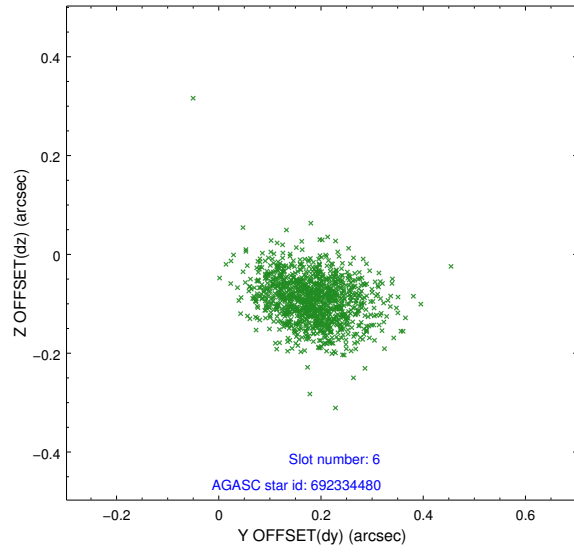
2.4.2 Slot 4



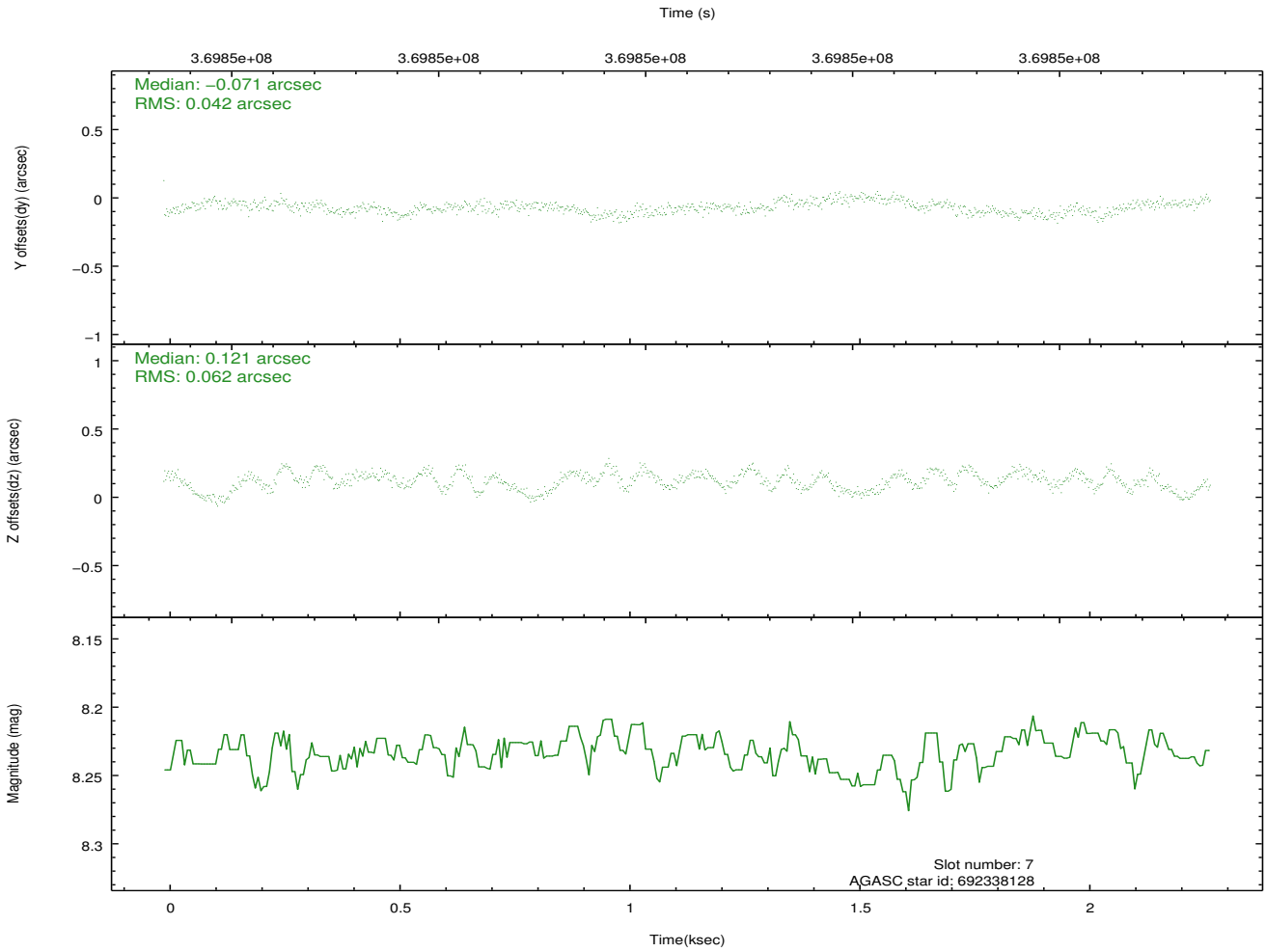
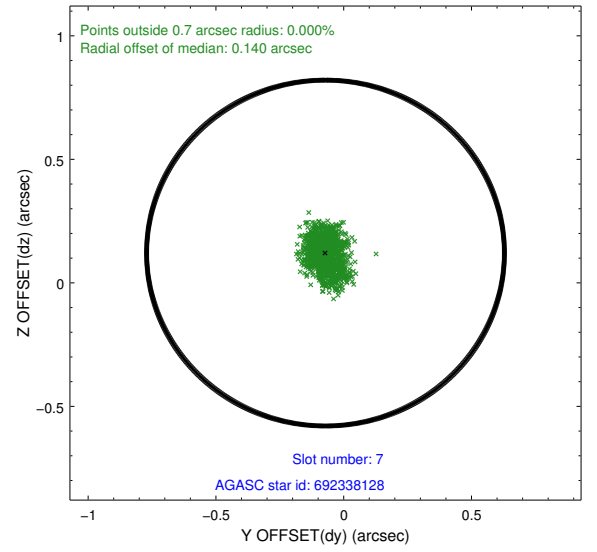
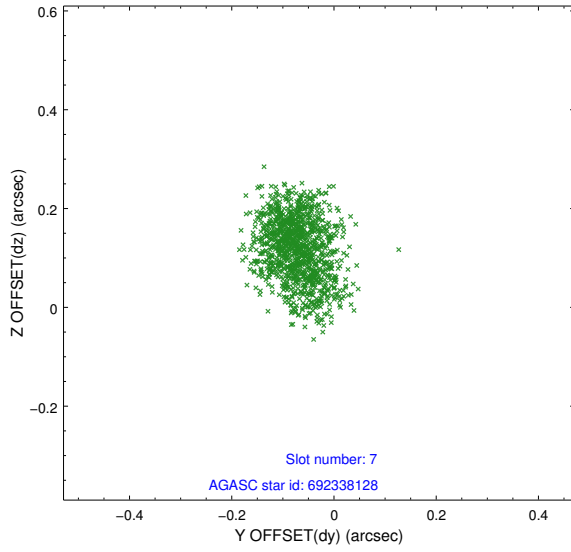
2.4.3 Slot 5



2.4.4 Slot 6

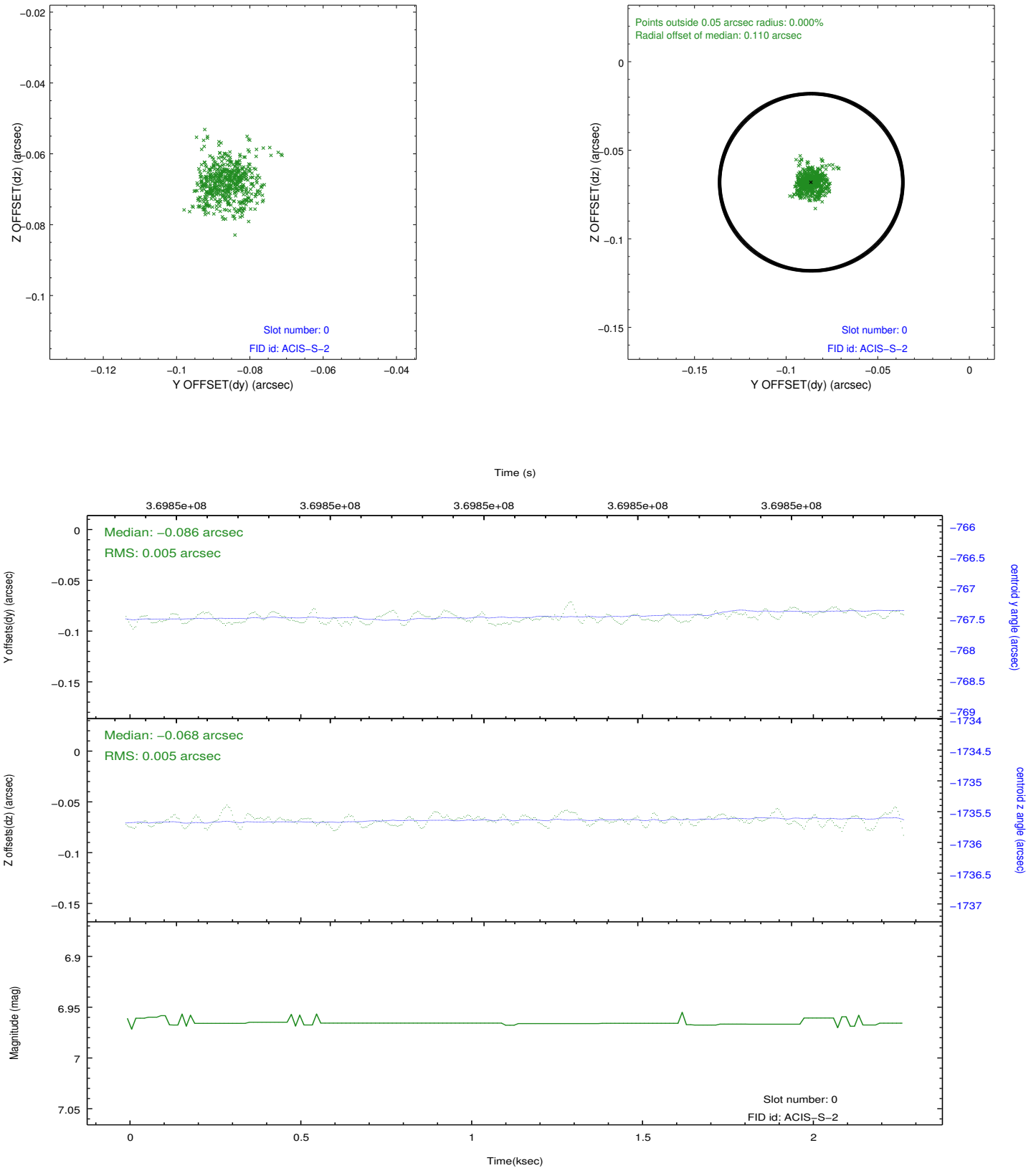


2.4.5 Slot 7

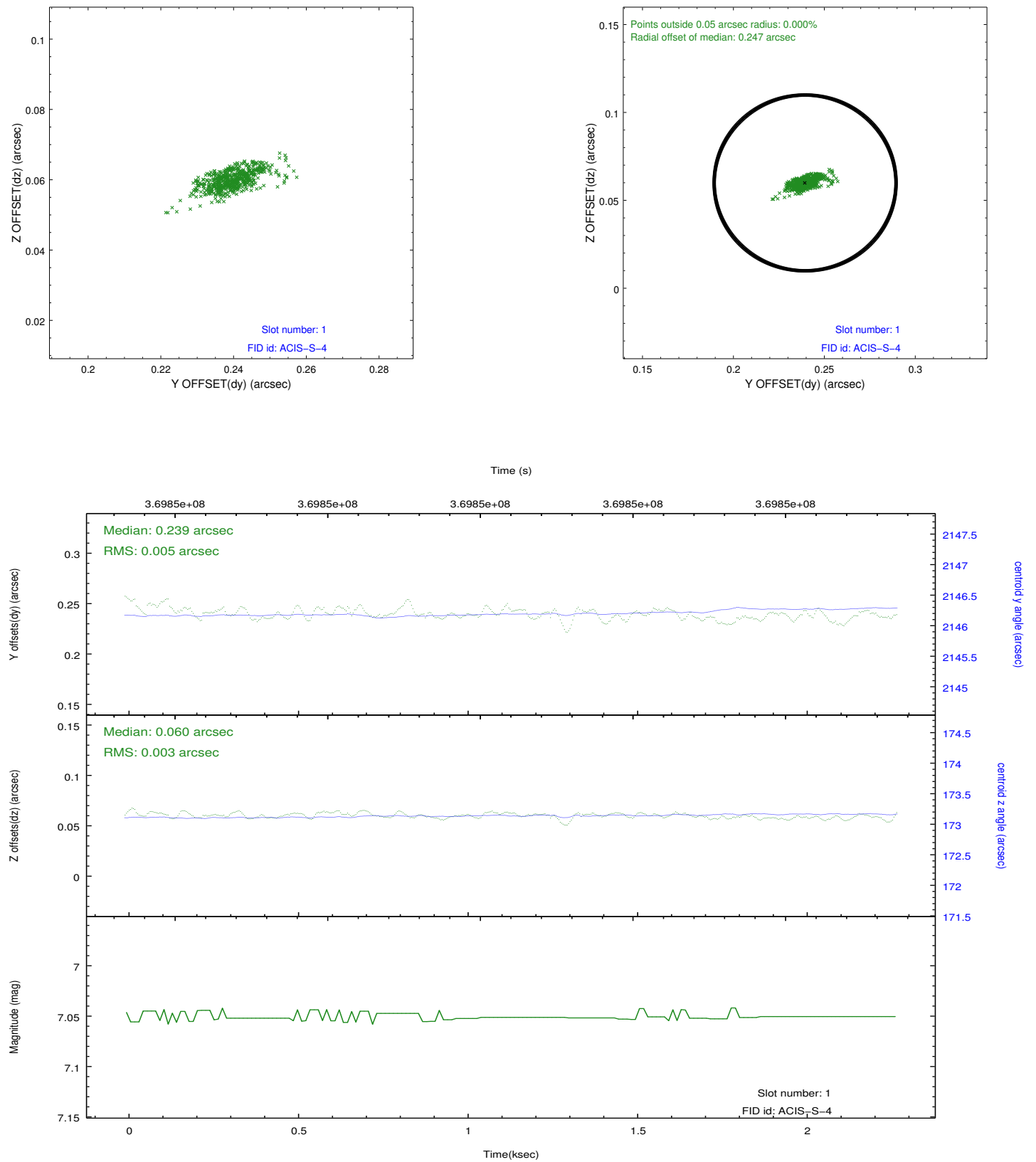


2.5 FID Slots

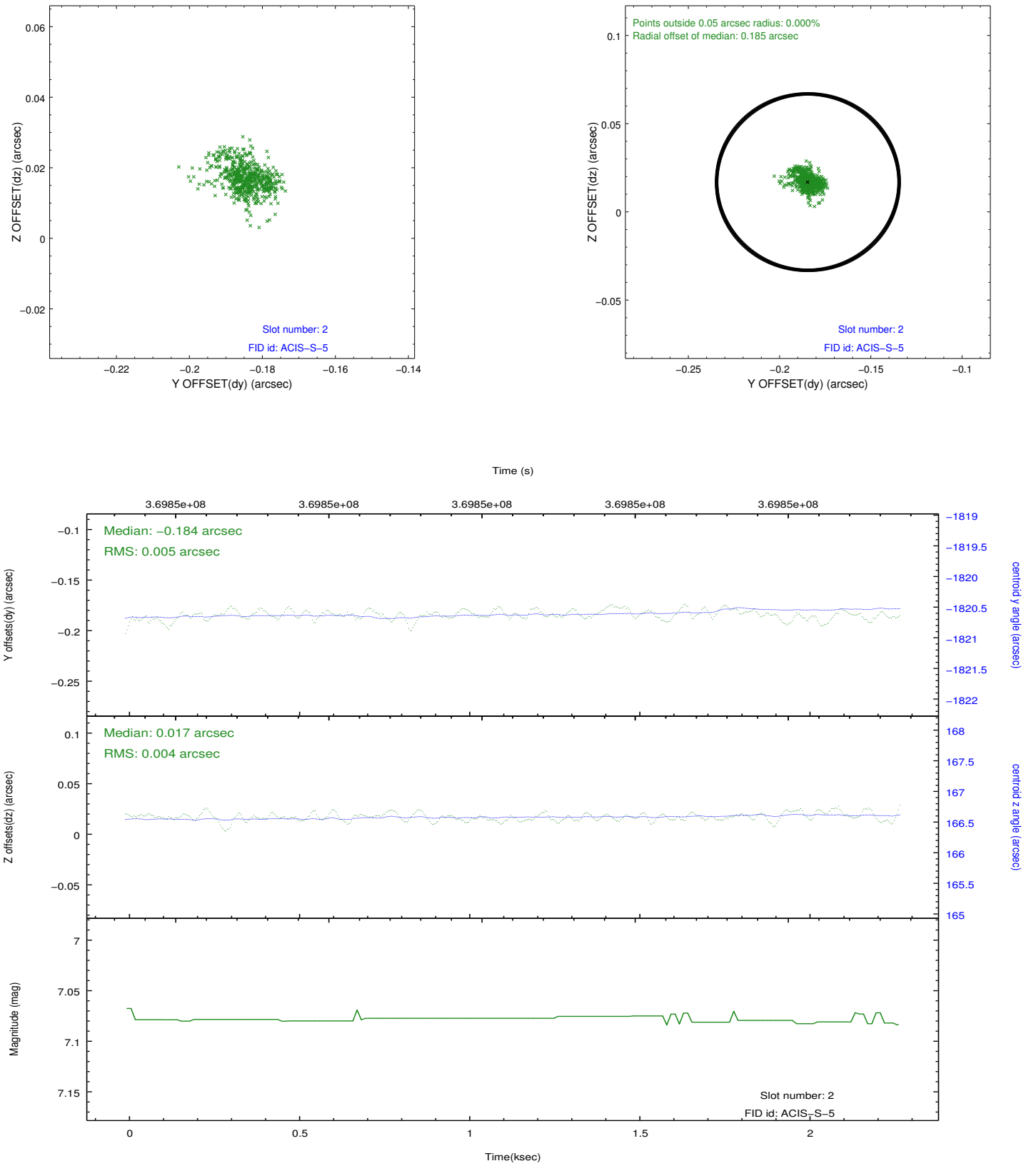
2.5.1 Slot 0



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	2.0091998802423

A.2 Comments