

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11474 - L2 Version 2
Chandra X-Ray Center

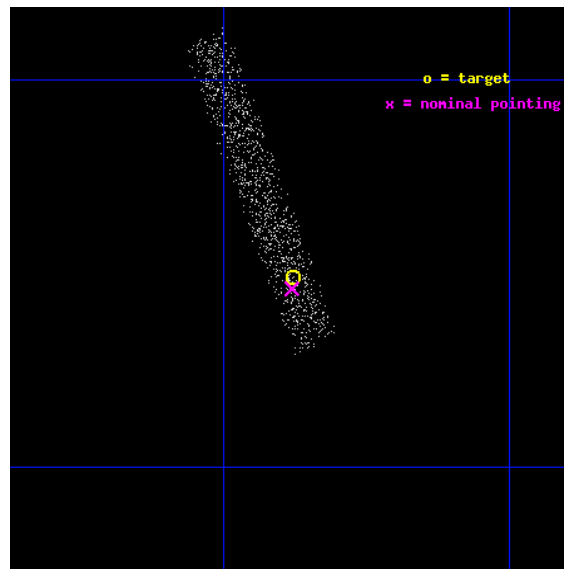
L2 Processing Date : Jun 30 2012

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

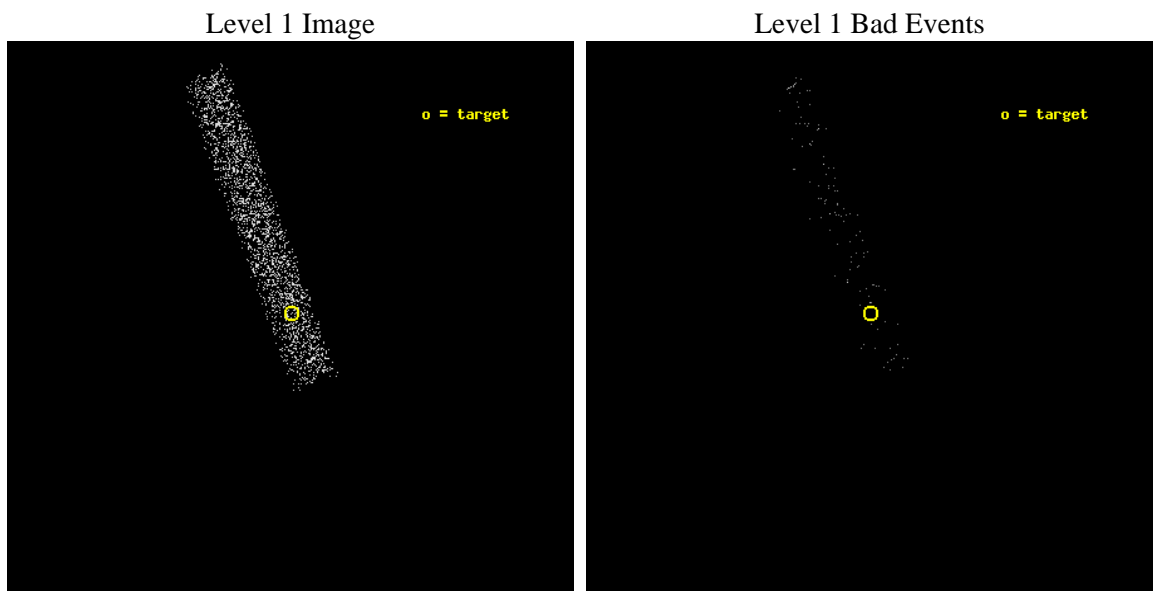
seq_num	702060	Sequence number
obs_id	11474	Observation id
title	X-ray Signatures of Accretion in AGNs with Intermediate-mass Black Holes	Proposal title
observer	Dr. Luis Ho	Principal investigator
object	SDSS J144052.60-023506.2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	220.219167	Observer's specified target RA [deg]
dec_targ	-2.585056	Observer's specified target Dec [deg]
ra_nom	220.22004747968	Nominal RA [deg]
dec_nom	-2.5900059386257	Nominal Dec [deg]
roll_nom	249.74722476102	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2009.1835418344	Sum of GTIs [s]
livetime	1822.2234190408	Livetime [s]
ontime7	2009.1835418344	Sum of GTIs [s]
l2events	1206	Number of level 2 events



2 OBI

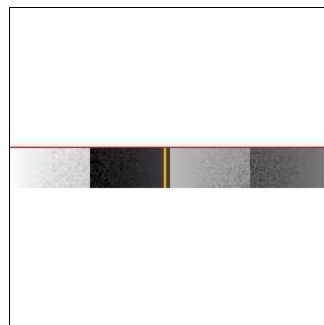
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2009.1835418344	Sum of GTIs [s]
caldbver	4.5.0	 	ontime7	2009.1835418344	Sum of GTIs [s]
date	2012-06-30T13:10:24	Date and time of file creation	l1events	2559	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

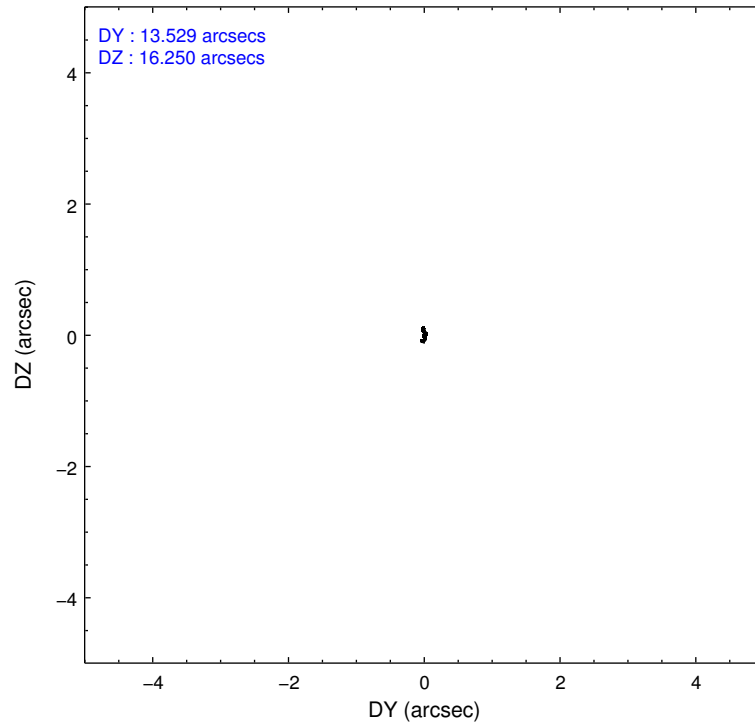
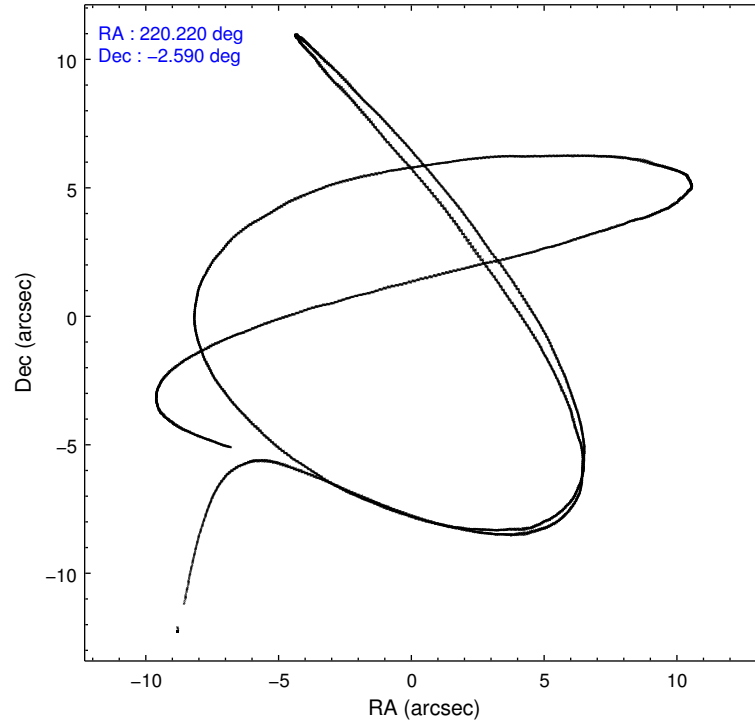
	ccd 7
level 1 events	2559
rejected events	1303
rejected %	50%

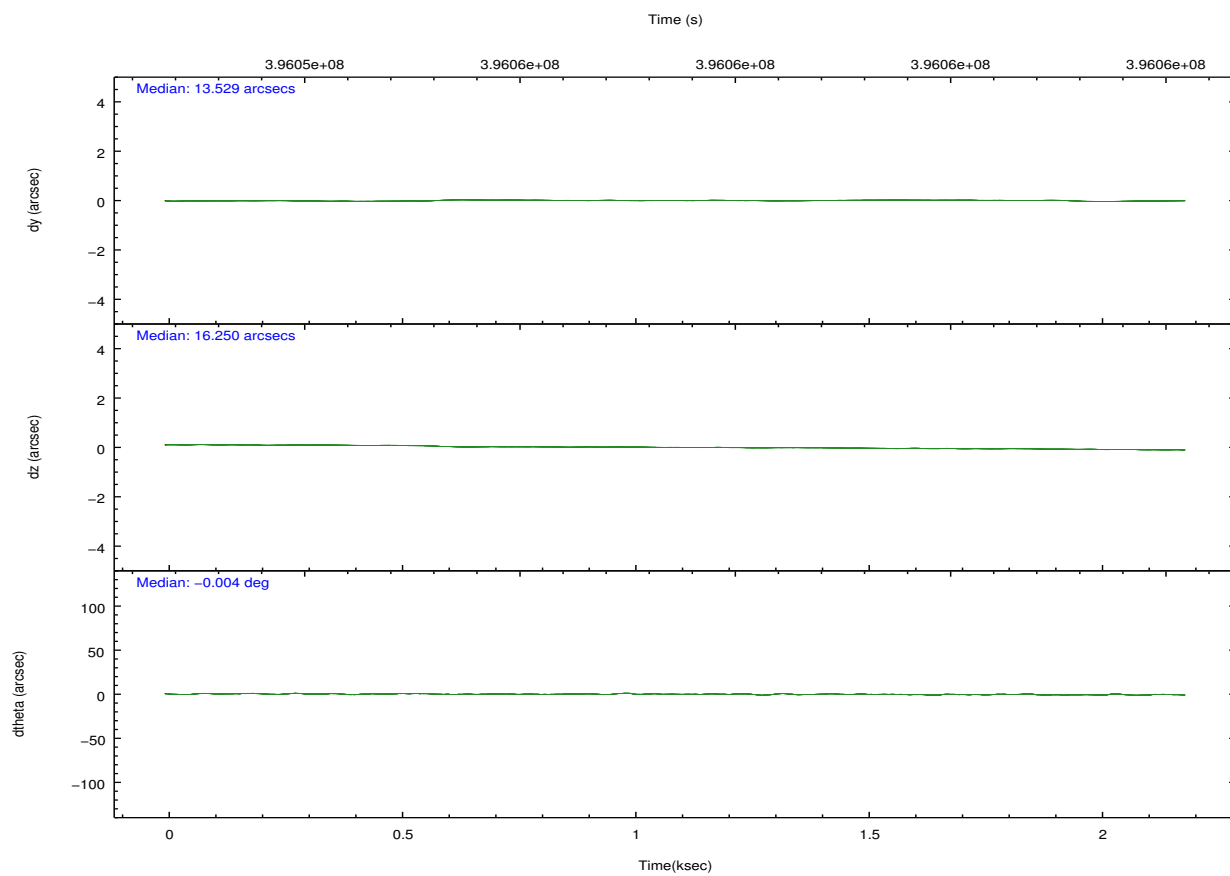
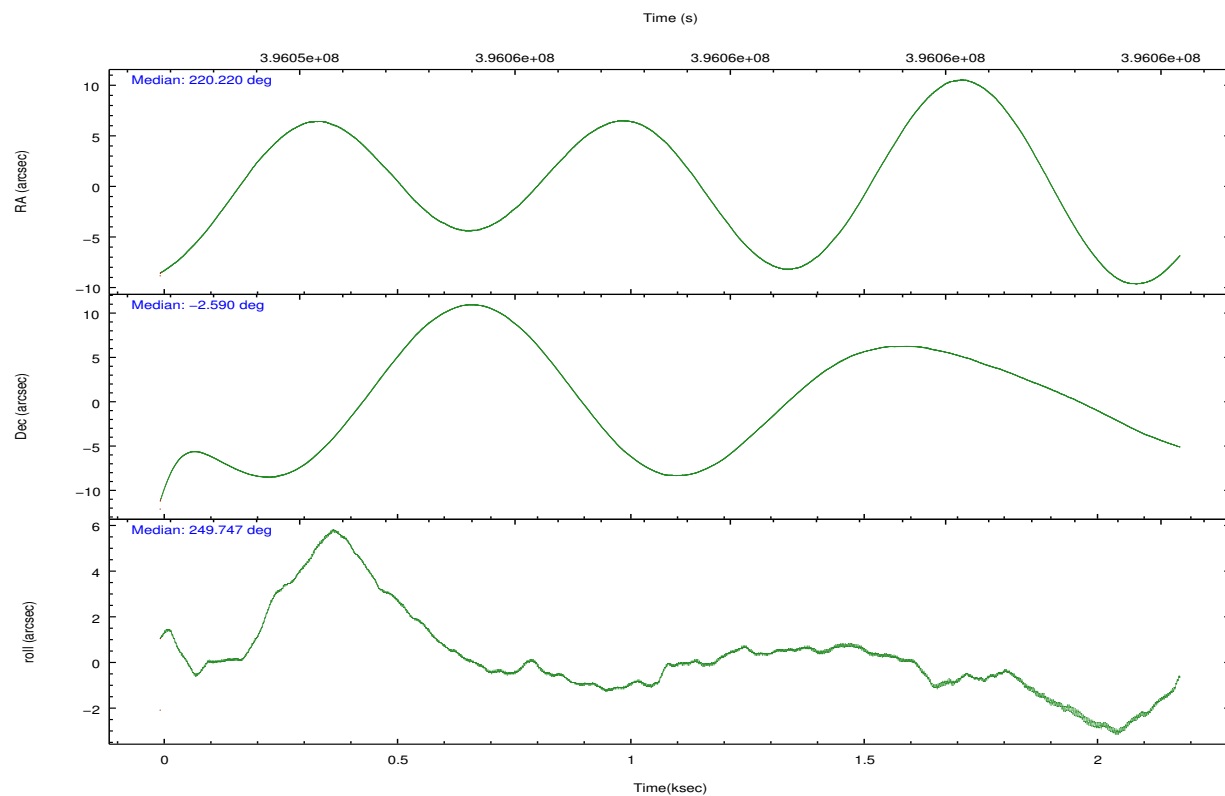
	ccd 7
grade 0 events	108
	4%
grade 1 events	2
	0%
grade 2 events	208
	8%
grade 3 events	188
	7%
grade 4 events	178
	6%
grade 5 events	276
	10%
grade 6 events	576
	22%
grade 7 events	1023
	39%

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	220.215132	220.2200474796752	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-2.562927	-2.59000593862566	Subarray start row	449	449
[deg] Pointing Roll	249.590365	249.7472247610153	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)	396054449.184000	396052968.34413			
Observation start date	2010-07-20T23:06:23	2010-07-20T22:42:48			
[s] Observation end time (MET)	396056449.184000	396057146.75684			
Observation end date	2010-07-20T23:39:43	2010-07-20T23:52:26			
Read mode	TIMED	TIMED			

2.3 Aspect



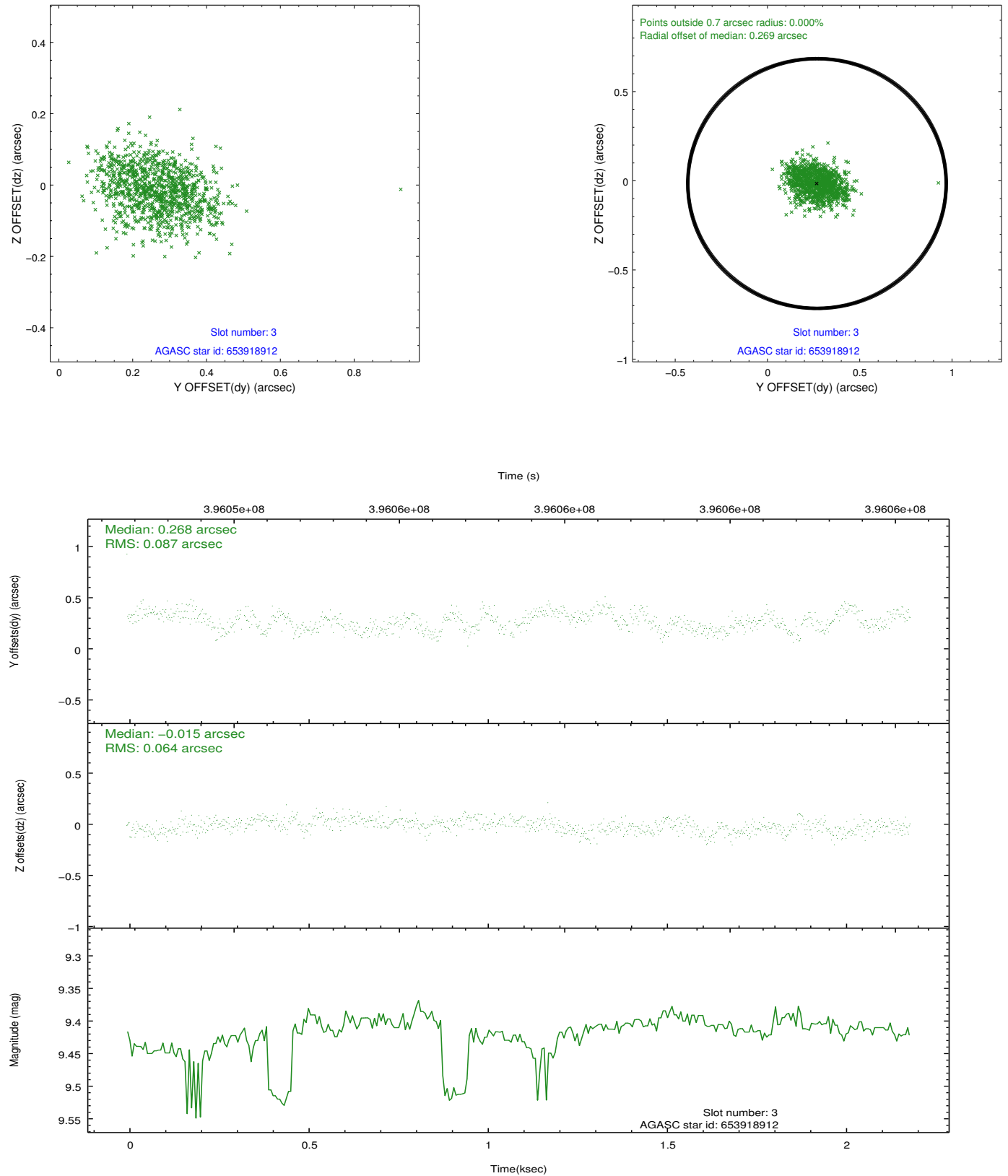


Slot Statistics

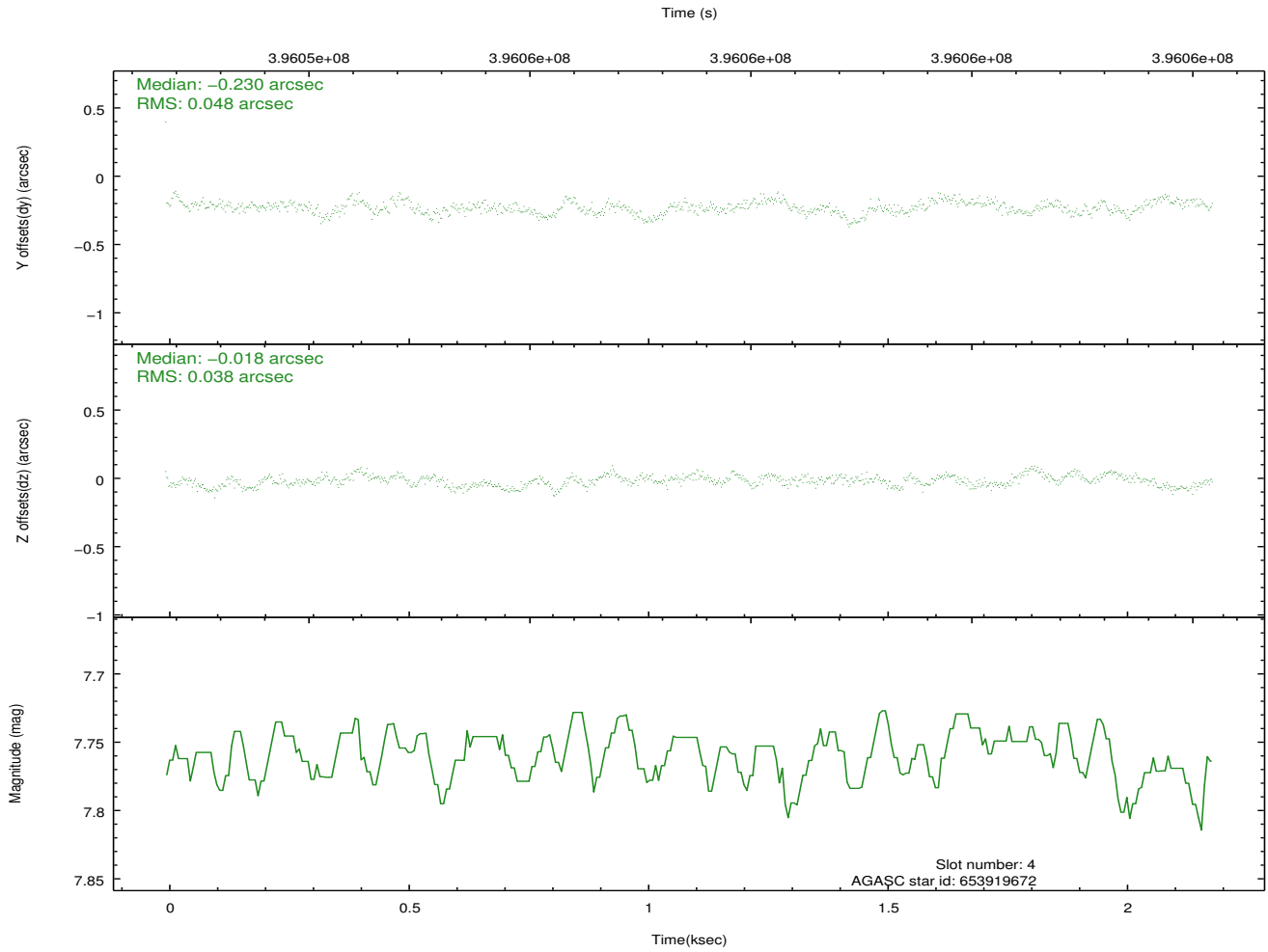
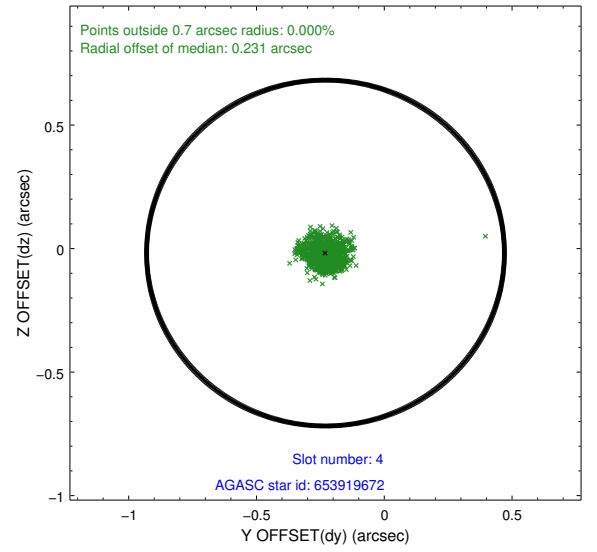
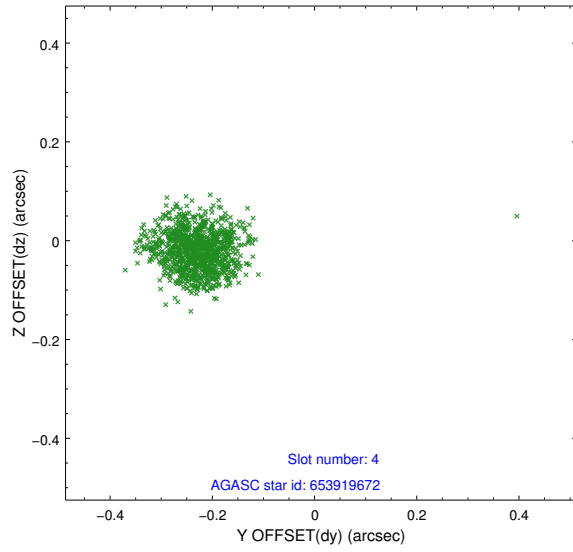
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.87	534	-0.032	0.008	0.006	0.011	0.000000	0.000000	-766.49	-1737.56
1	FID	ACIS-S-4	6.95	534	0.143	0.013	0.005	0.011	0.000000	0.000000	2145.60	167.84
2	FID	ACIS-S-5	6.98	534	-0.142	-0.013	0.006	0.012	0.000000	0.000000	-1815.62	164.87
3	GUIDE	653918912	9.41	1052	0.268	-0.015	0.114	0.181	219.603399	-2.869991	1803.65	-1675.55
4	GUIDE	653919672	7.76	1066	-0.230	-0.018	0.063	0.101	220.246727	-2.844710	911.76	457.98
5	GUIDE	653921824	9.24	1066	0.043	-0.109	0.105	0.181	220.014060	-2.792342	1026.90	-389.04
6	GUIDE	653922520	9.14	1060	0.272	0.161	0.083	0.124	220.535054	-2.379087	-1020.44	847.78
7	GUIDE	653923848	8.22	1066	-0.351	-0.014	0.086	0.128	220.375924	-2.041076	-1963.69	-112.16

2.4 Star Slots

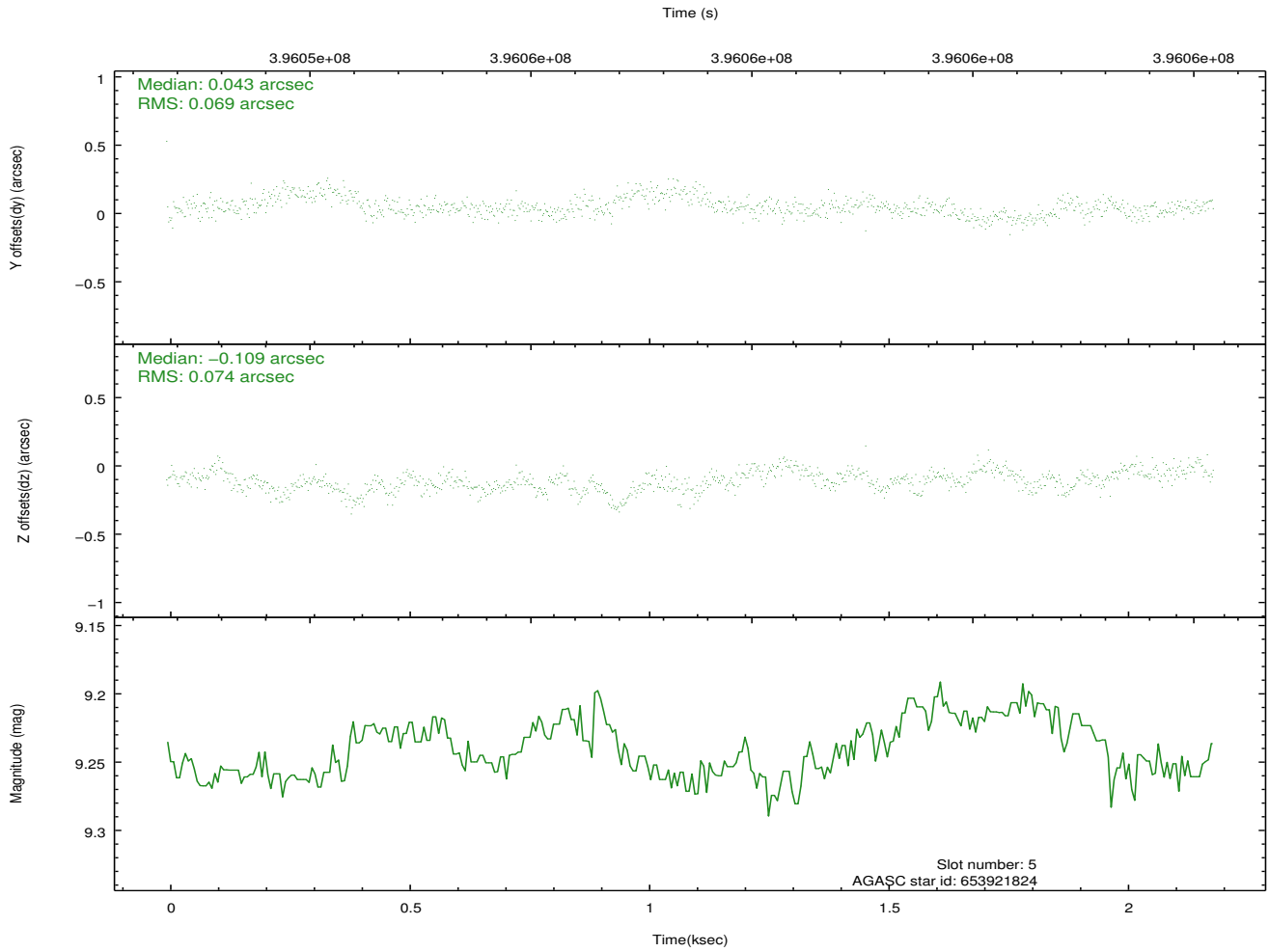
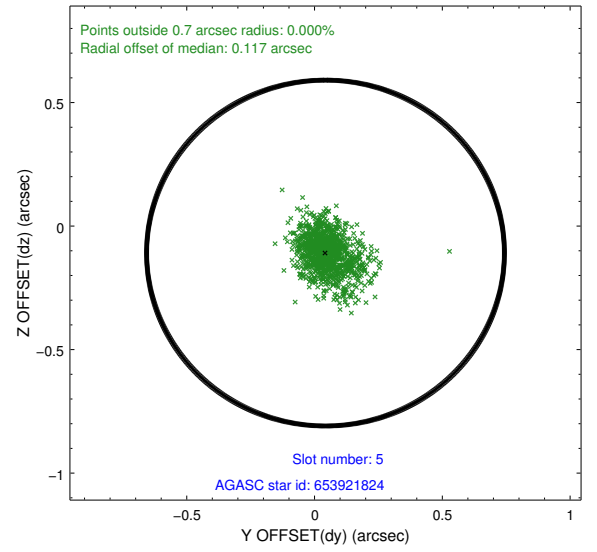
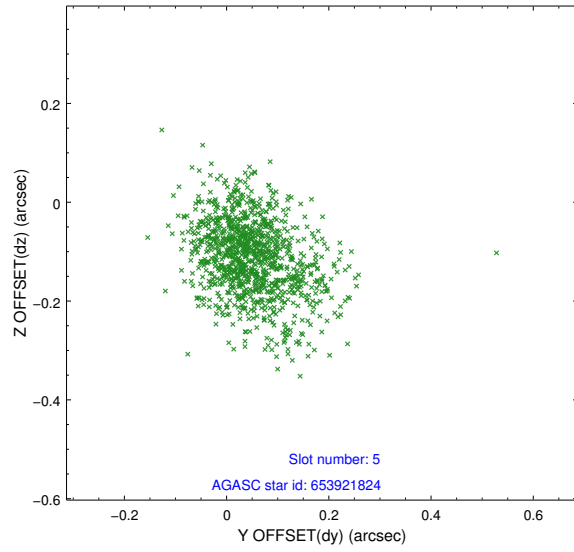
2.4.1 Slot 3



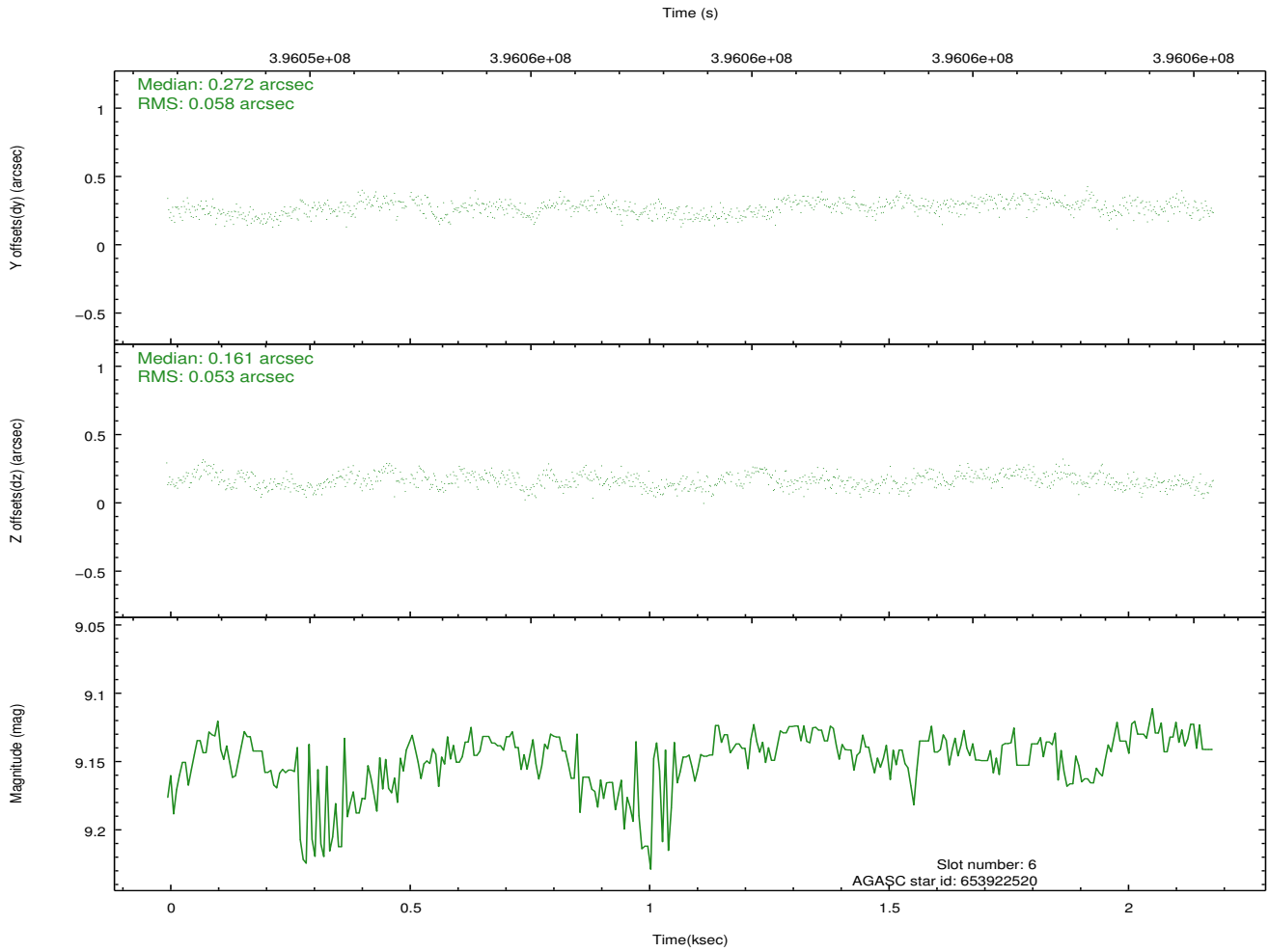
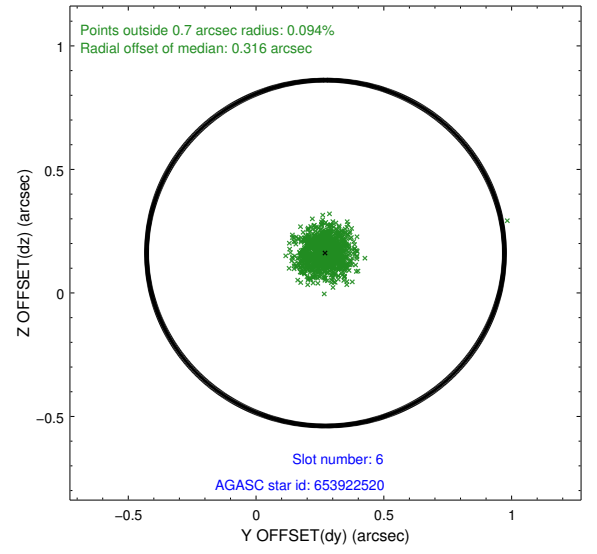
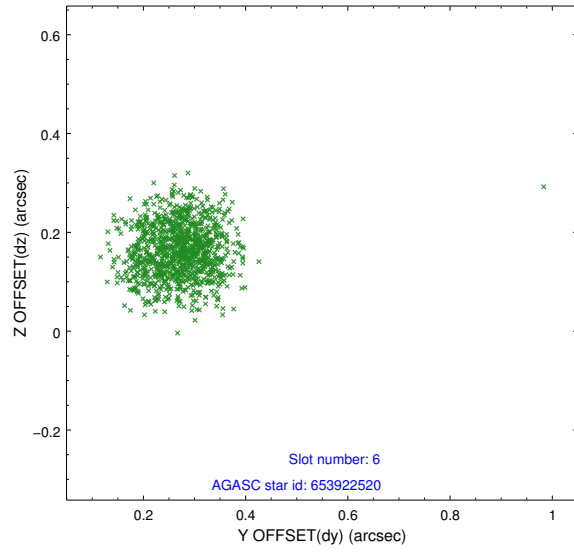
2.4.2 Slot 4



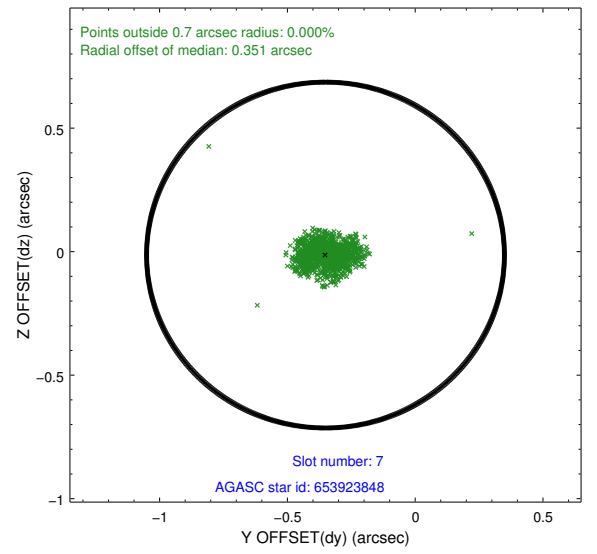
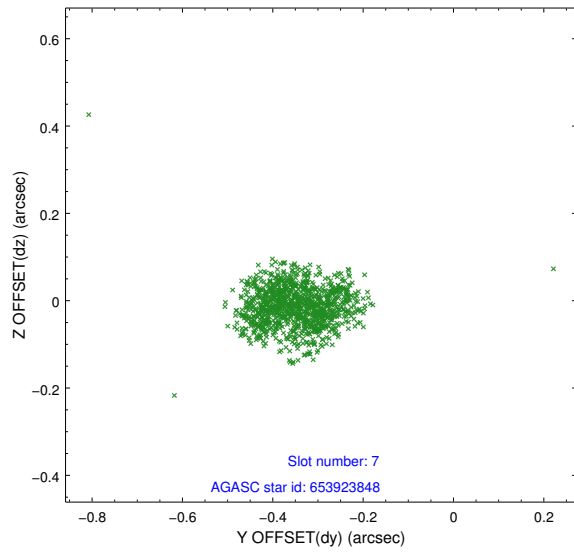
2.4.3 Slot 5



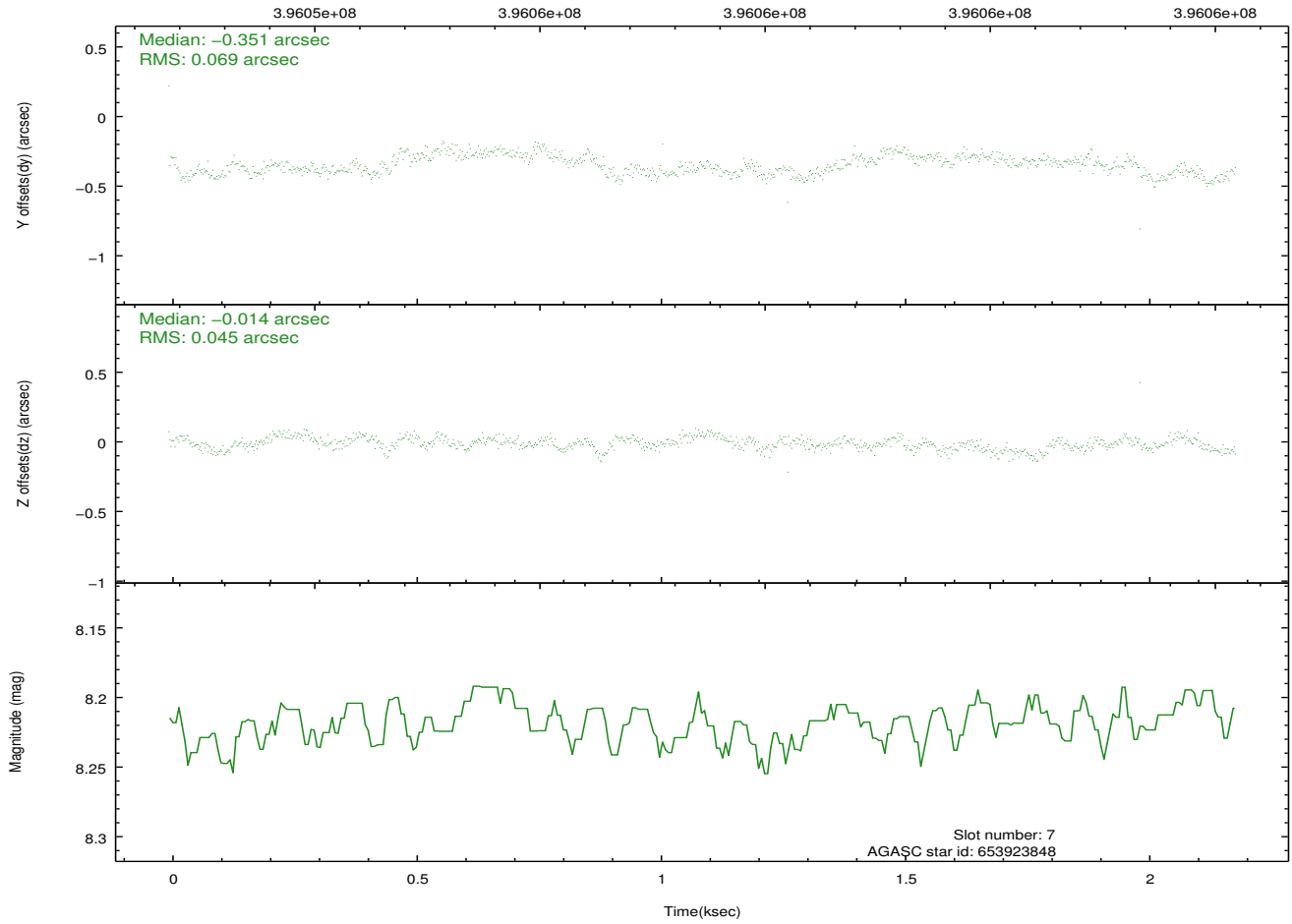
2.4.4 Slot 6



2.4.5 Slot 7

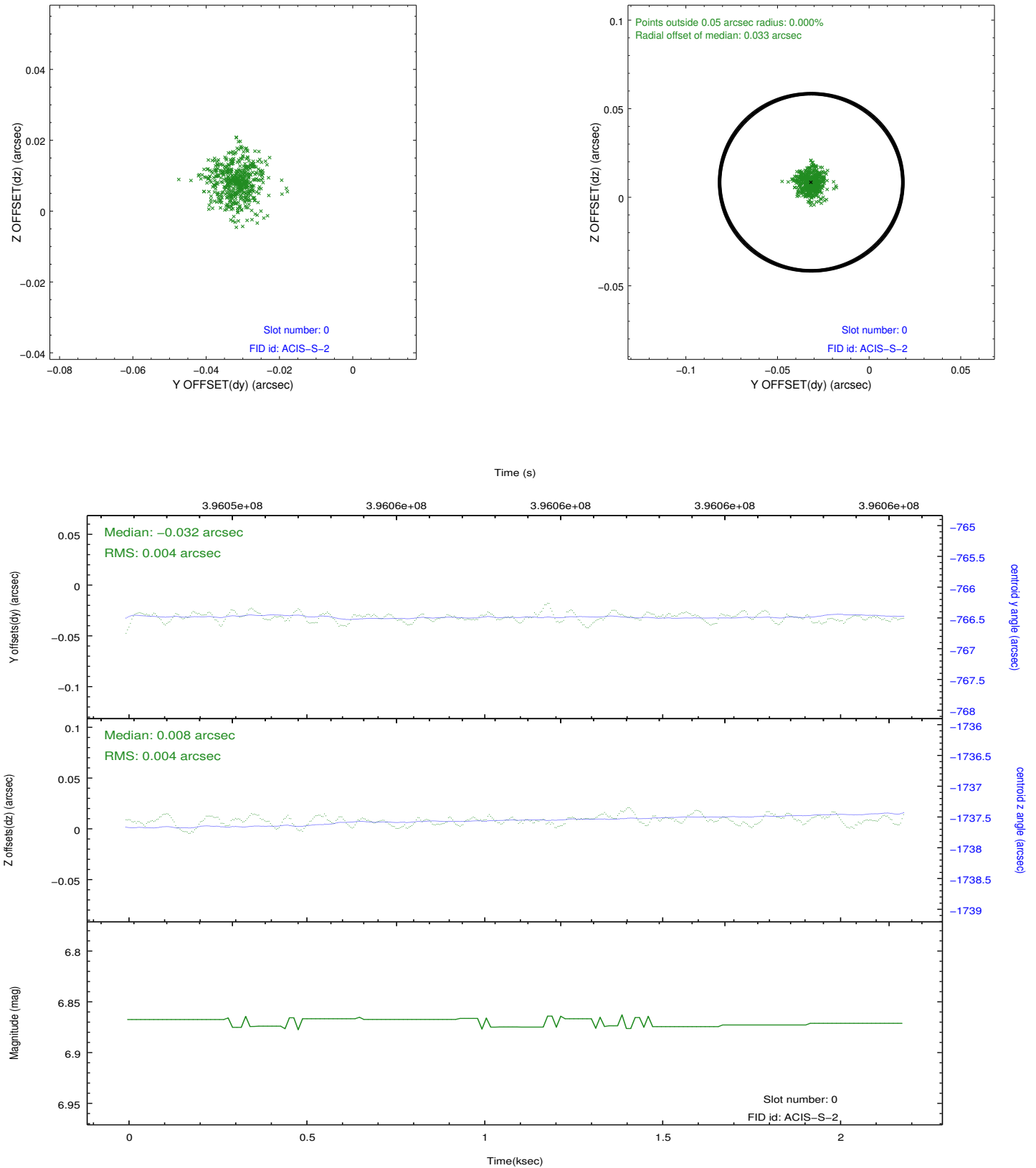


Time (s)

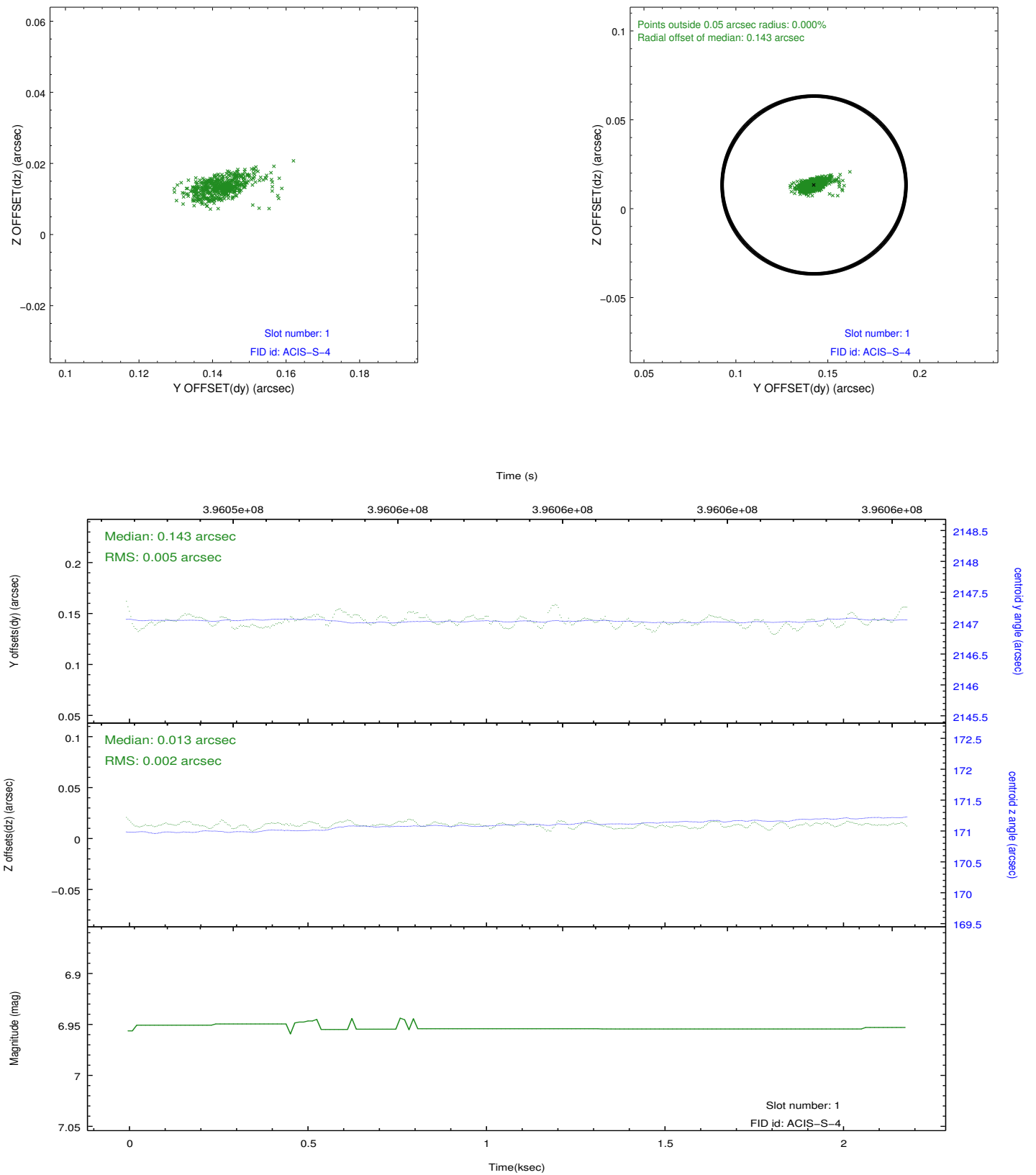


2.5 FID Slots

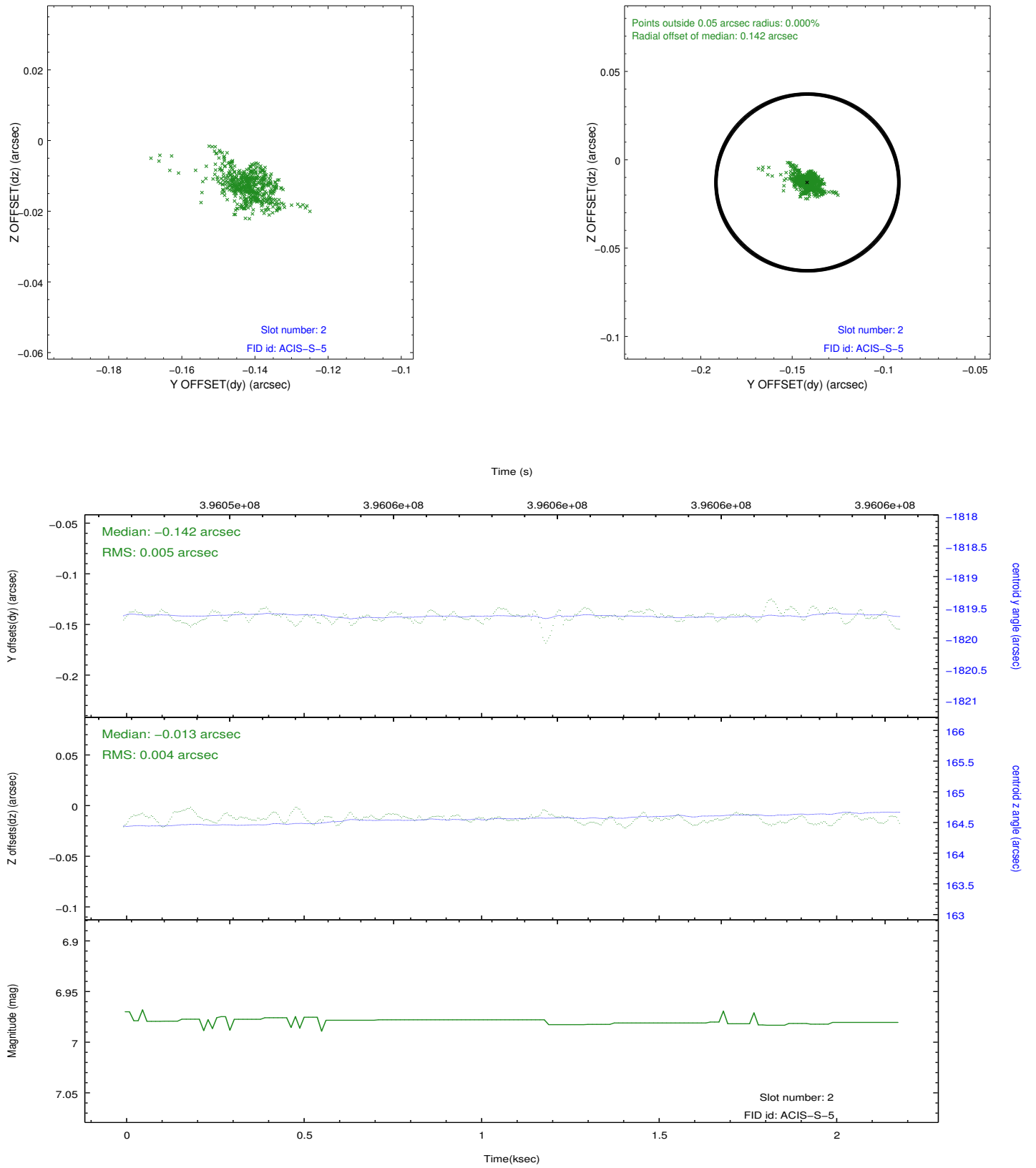
2.5.1 Slot 0



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)	2012.07.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.0091835379601

A.2 Comments