

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10288 - L2 Version 2
Chandra X-Ray Center

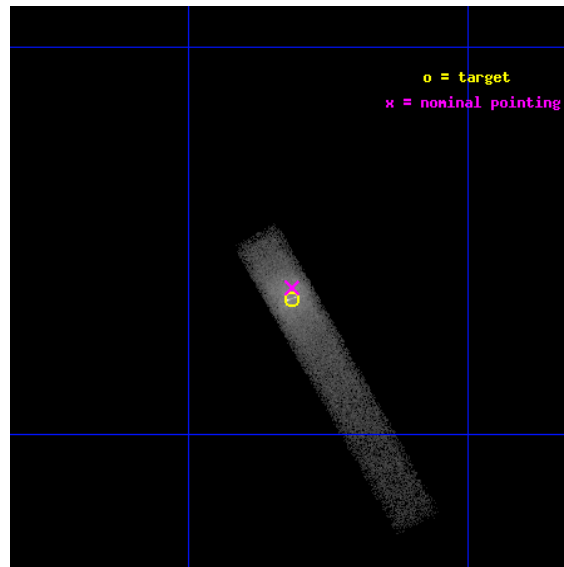
L2 Processing Date : Jun 18 2012

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

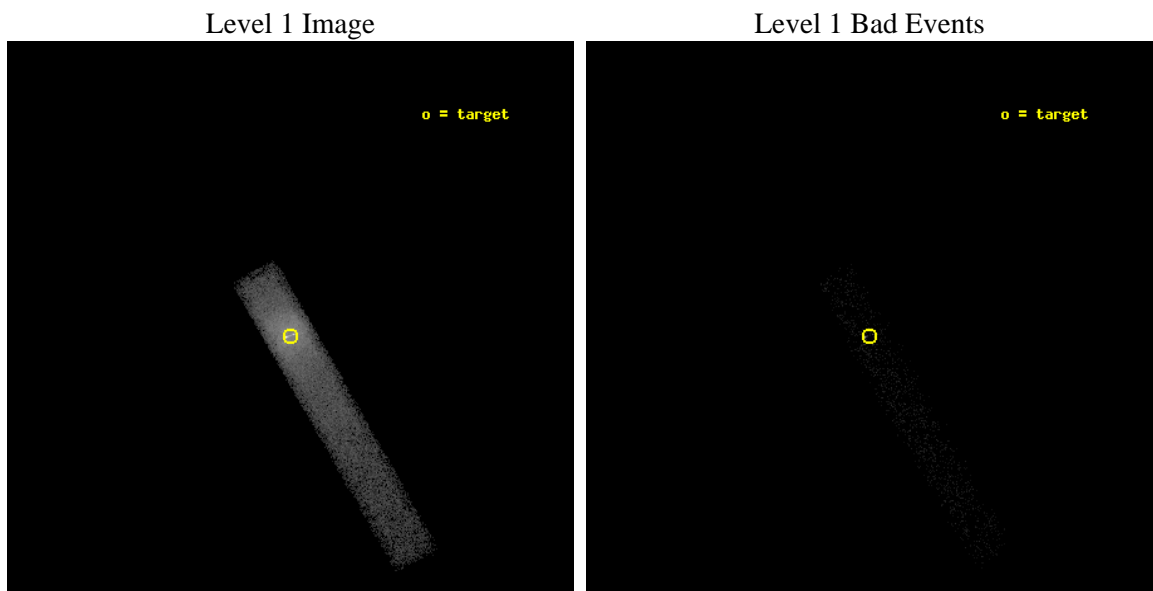
seq_num	701831	Sequence number
obs_id	10288	Observation id
title	Tracking the Aftermath of the Giant Flare in the M87 Jet	Proposal
observer	Dr. Daniel Harris	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.70396594241	Nominal RA [deg]
dec_nom	12.396445638334	Nominal Dec [deg]
roll_nom	60.156685787412	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5158.7996925116	Sum of GTIs [s]
livetime	4678.7590173332	Livetime [s]
ontime7	5158.7996925116	Sum of GTIs [s]
l2events	52129	Number of level 2 events



2 OBI

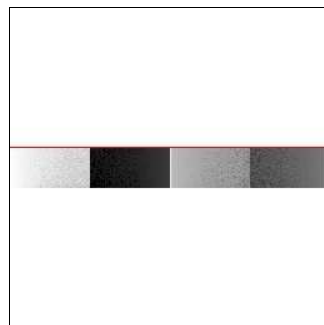
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5158.7996925116	Sum of GTIs [s]
caldsver	4.4.10	 	ontime7	5158.7996925116	Sum of GTIs [s]
date	2012-06-18T06:21:17	Date and time of file creation	l1events	61486	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

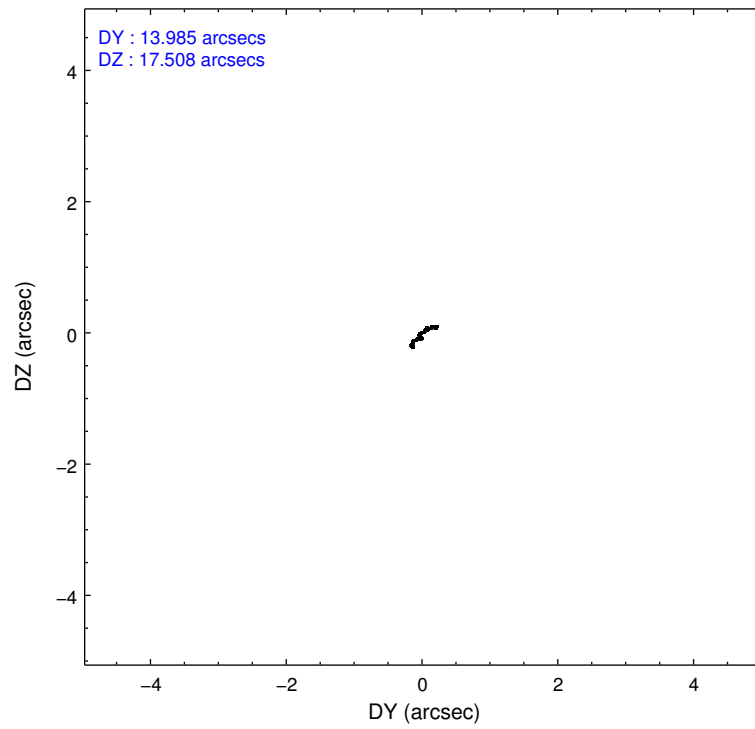
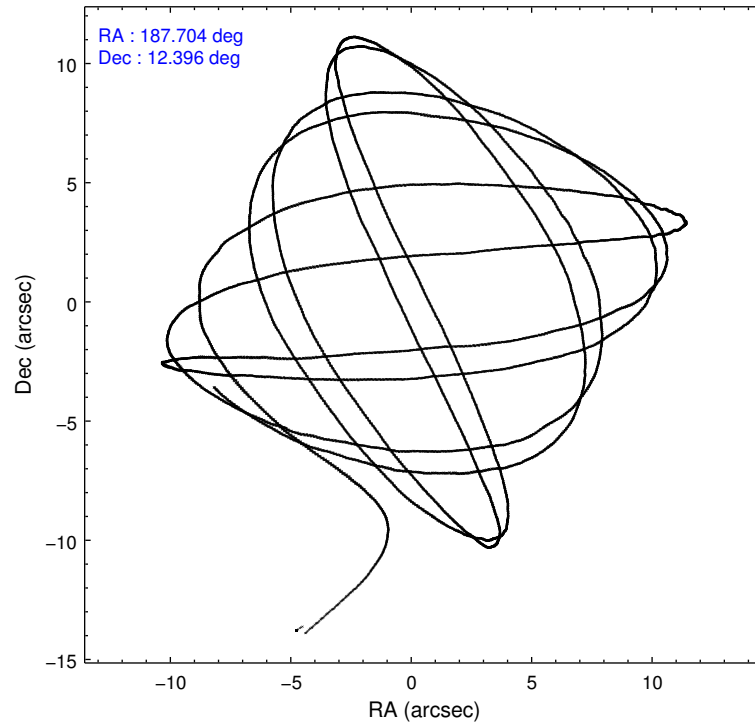
	ccd 7
level 1 events	61486
rejected events	8748
rejected %	14%

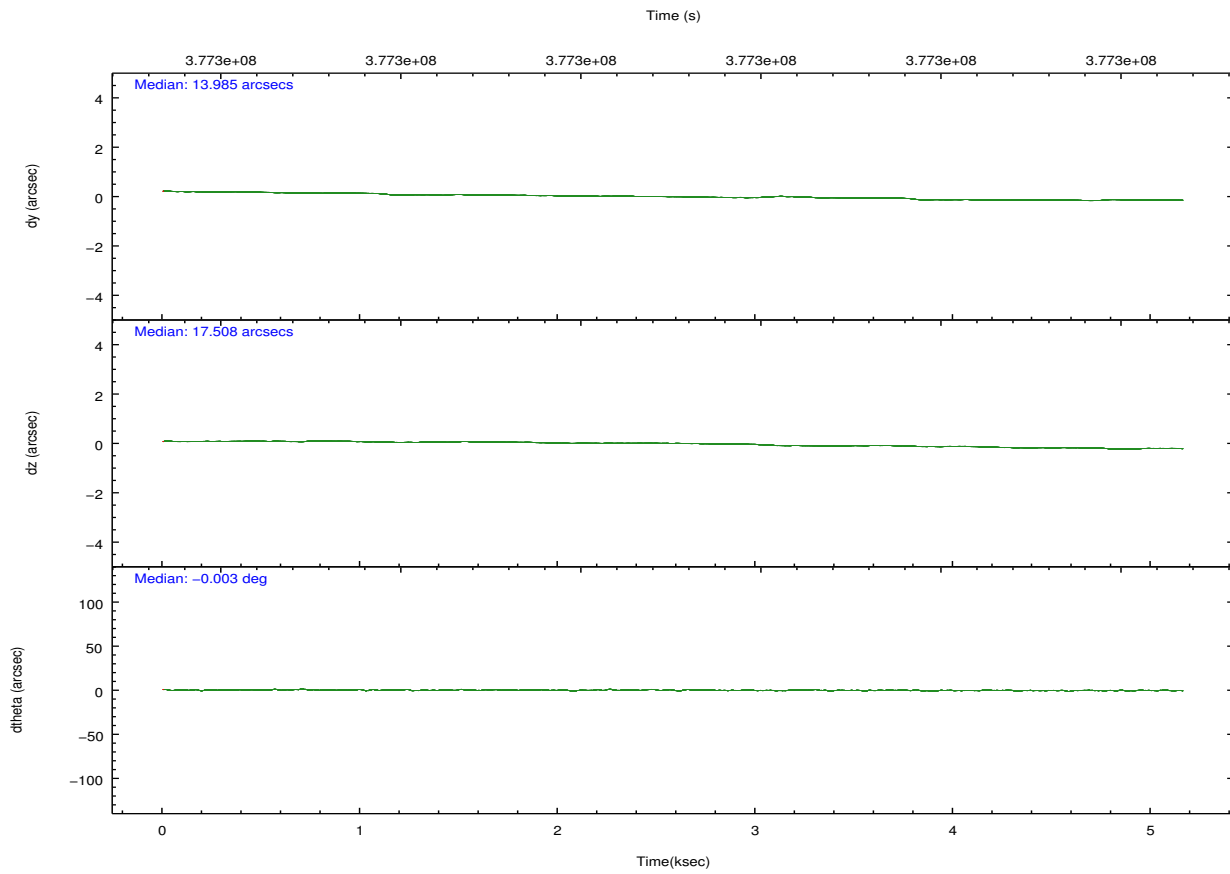
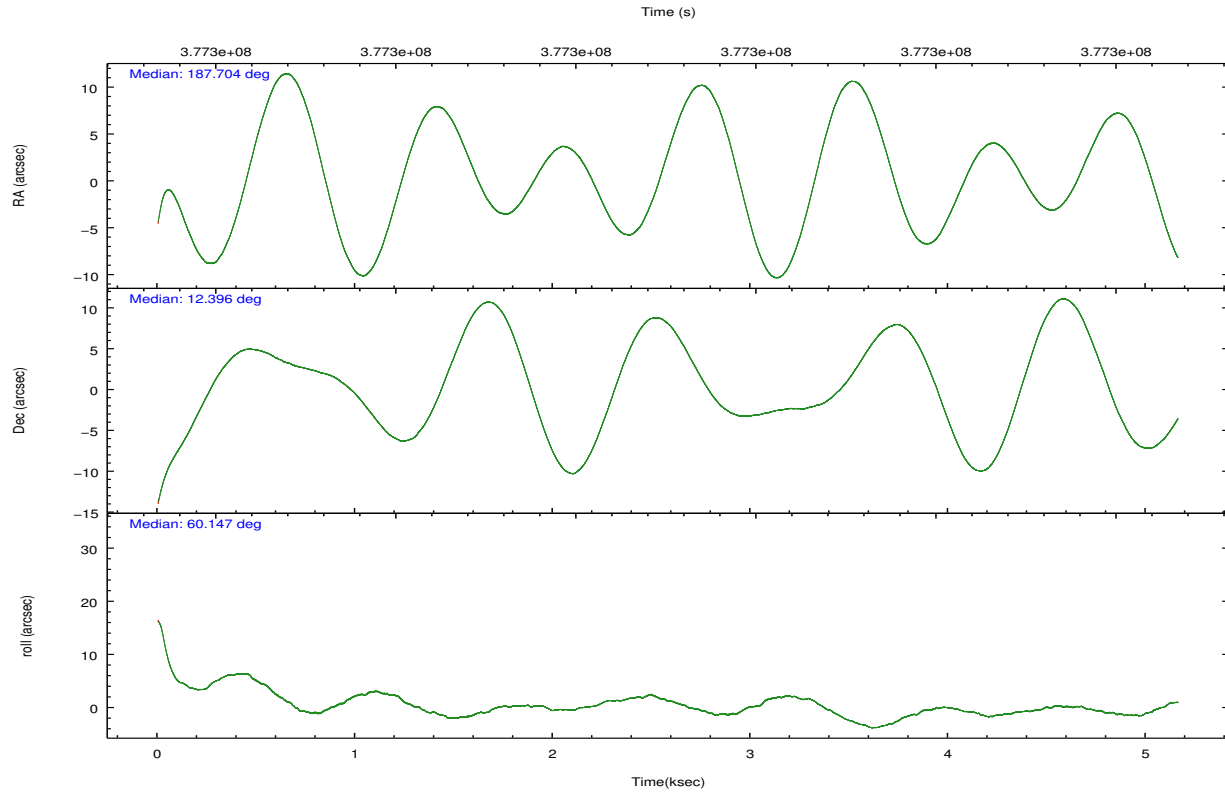
	ccd 7
grade 0 events	16117
	26%
grade 1 events	45
	0%
grade 2 events	14085
	22%
grade 3 events	6573
	10%
grade 4 events	6263
	10%
grade 5 events	1409
	2%
grade 6 events	11715
	19%
grade 7 events	5279
	8%

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	187.704464	187.7039659424101	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.369173	12.39644563833362	Subarray start row	449	449
[deg] Pointing Roll	59.999934	60.15668578741221	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)	377296102.184000	377295178.85365			
Observation start date	2009-12-15T20:27:16	2009-12-15T20:12:58			
[s] Observation end time (MET)	377301102.184000	377301938.72899			
Observation end date	2009-12-15T21:50:36	2009-12-15T22:05:38			
Read mode	TIMED	TIMED			

2.3 Aspect



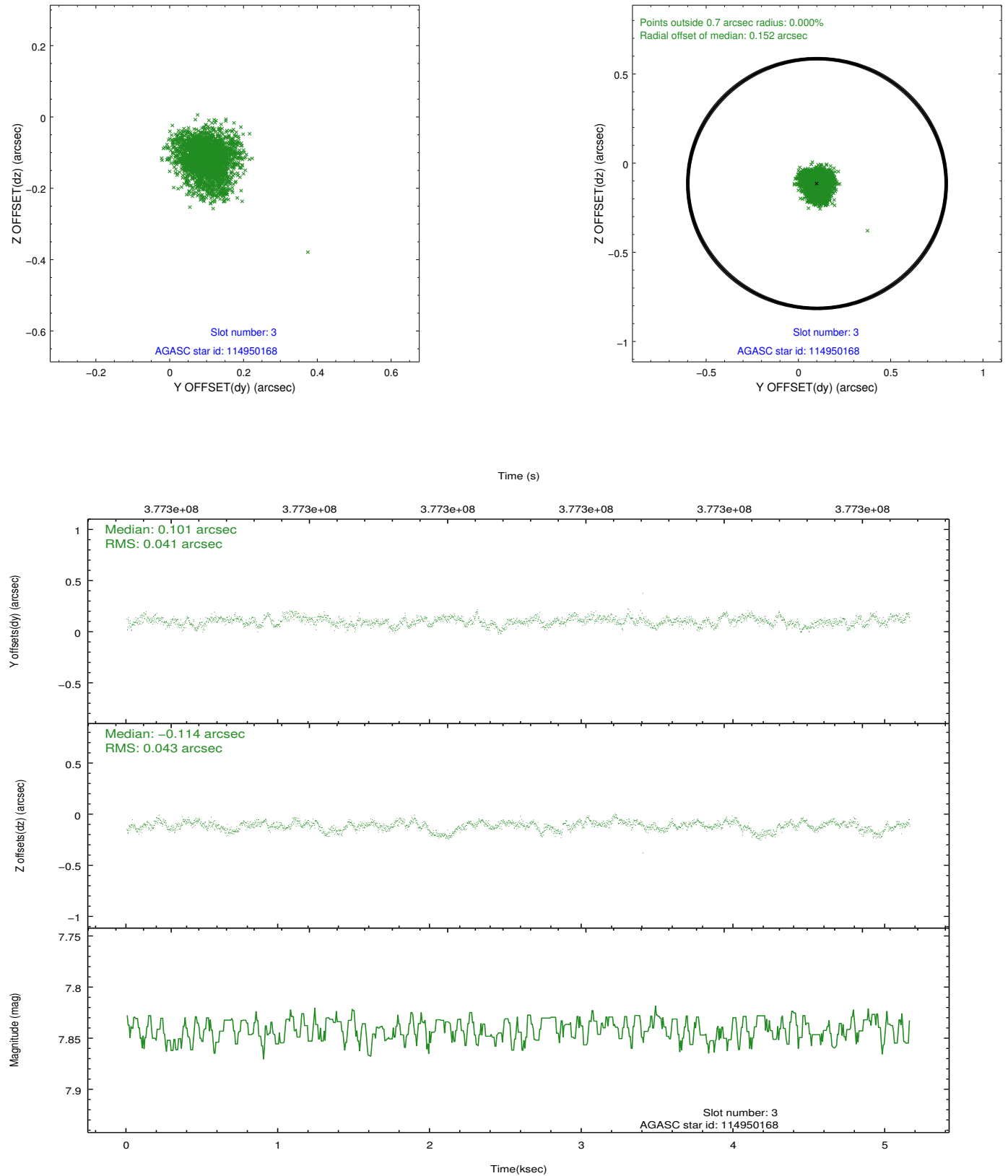


Slot Statistics

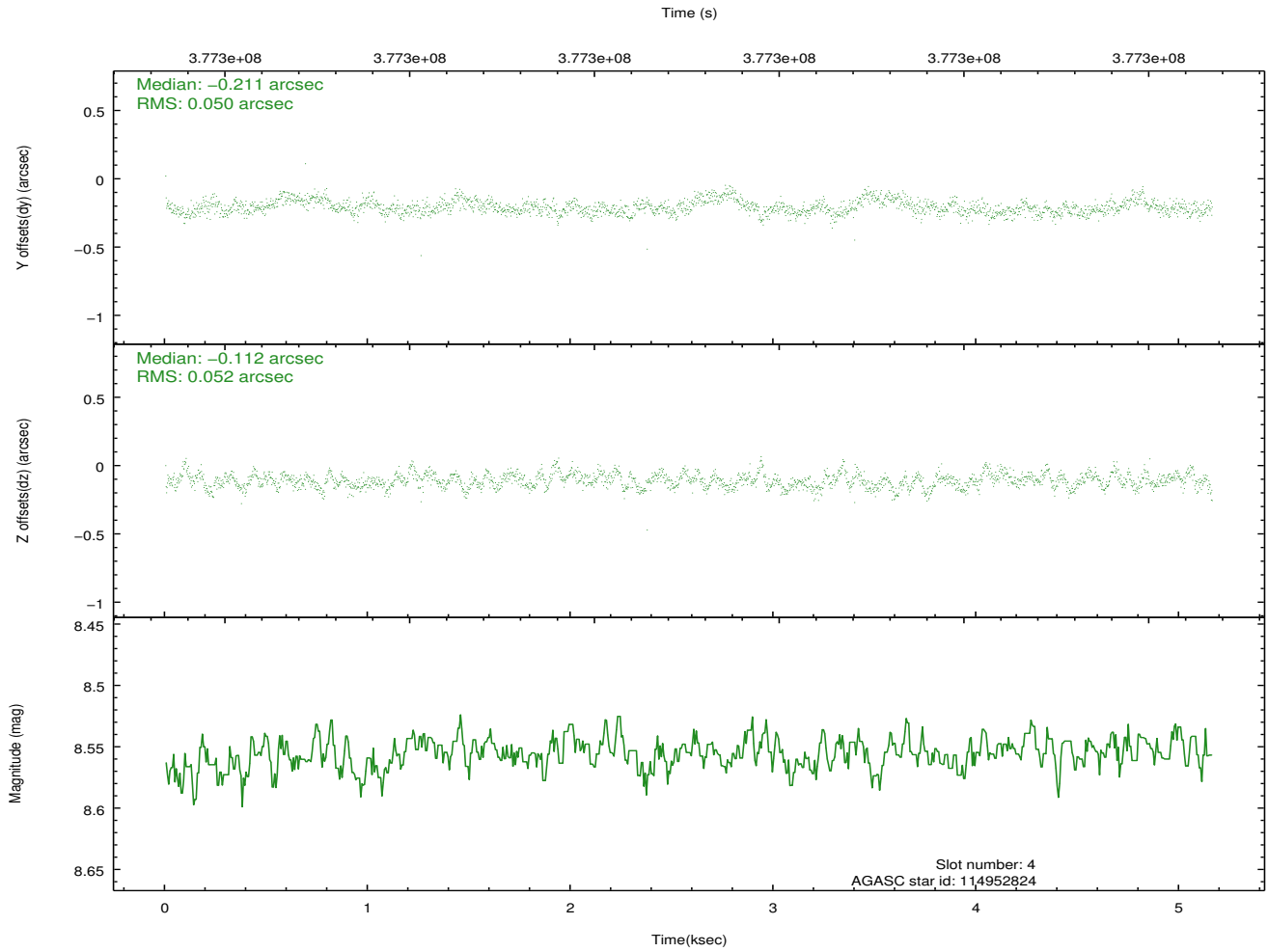
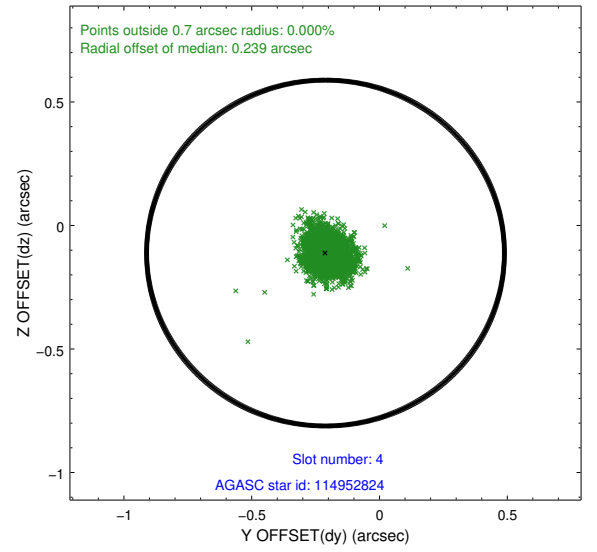
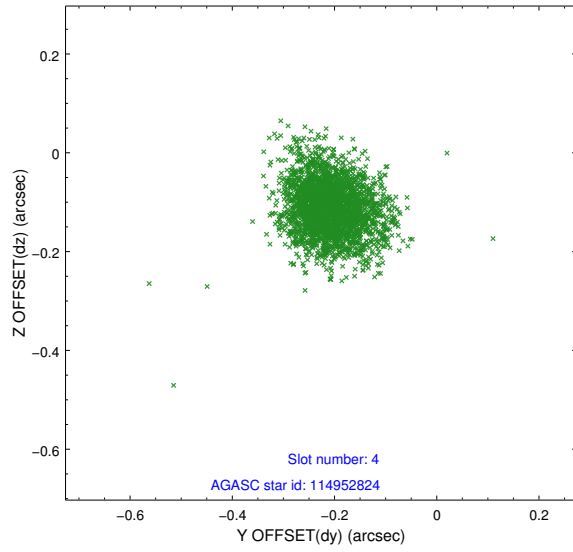
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.86	1259	-0.022	-0.014	0.007	0.012	0.000000	0.000000	-766.99	-1738.81
1	FID	ACIS-S-4	6.94	1258	0.137	0.015	0.005	0.010	0.000000	0.000000	2145.95	168.42
2	FID	ACIS-S-5	6.97	1259	-0.146	0.008	0.006	0.010	0.000000	0.000000	-1818.41	163.50
3	GUIDE	114950168	7.84	2518	0.101	-0.114	0.062	0.103	187.143398	12.117441	-1770.32	1258.10
4	GUIDE	114952824	8.56	2517	-0.211	-0.112	0.075	0.127	187.703904	12.486727	364.73	214.48
5	GUIDE	114954440	9.20	2516	0.138	-0.267	0.089	0.147	186.915066	12.219118	-1852.48	2136.37
6	GUIDE	114955056	8.33	2517	-0.132	0.629	0.076	0.121	187.914001	12.127854	-383.69	-1070.96
7	GUIDE	114957008	8.23	2517	0.103	-0.133	0.078	0.128	186.894794	12.099160	-2263.58	1984.41

2.4 Star Slots

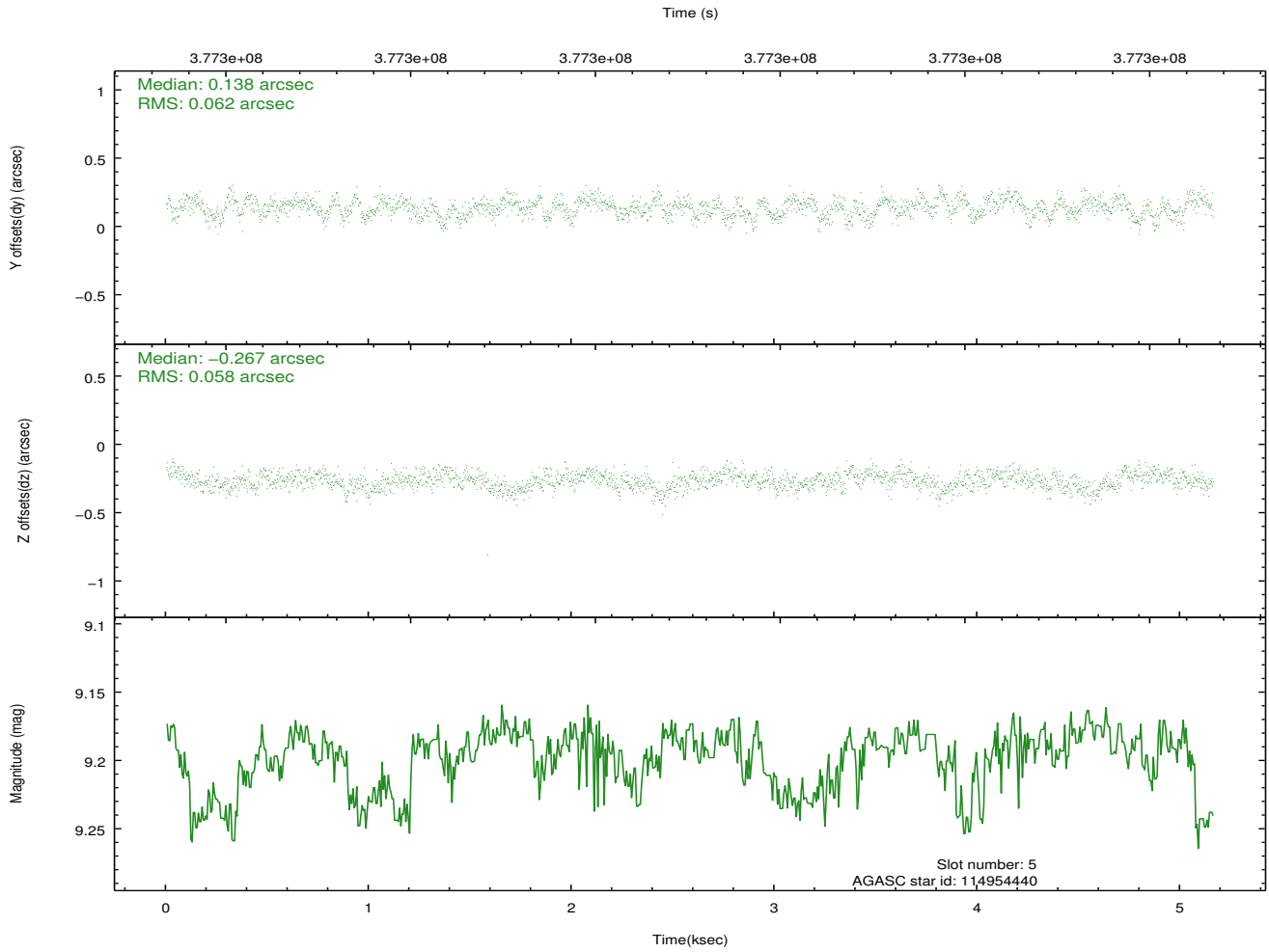
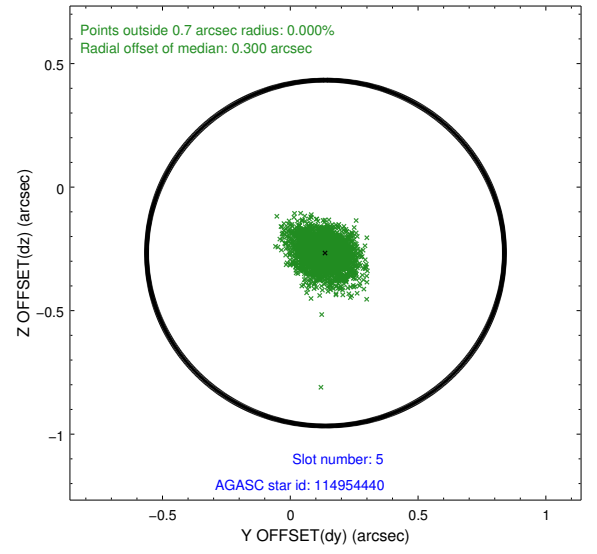
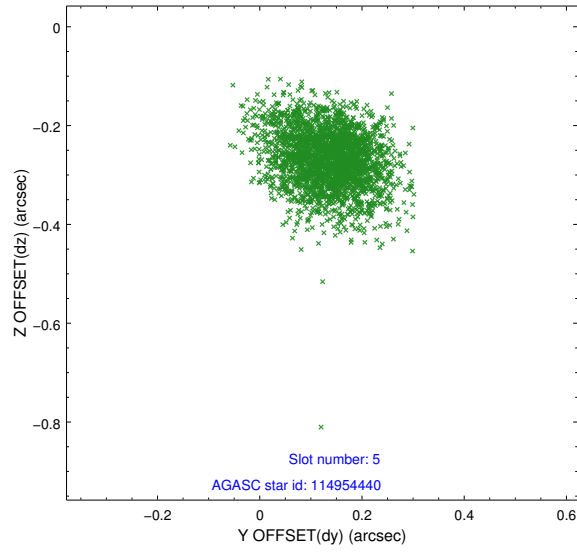
2.4.1 Slot 3



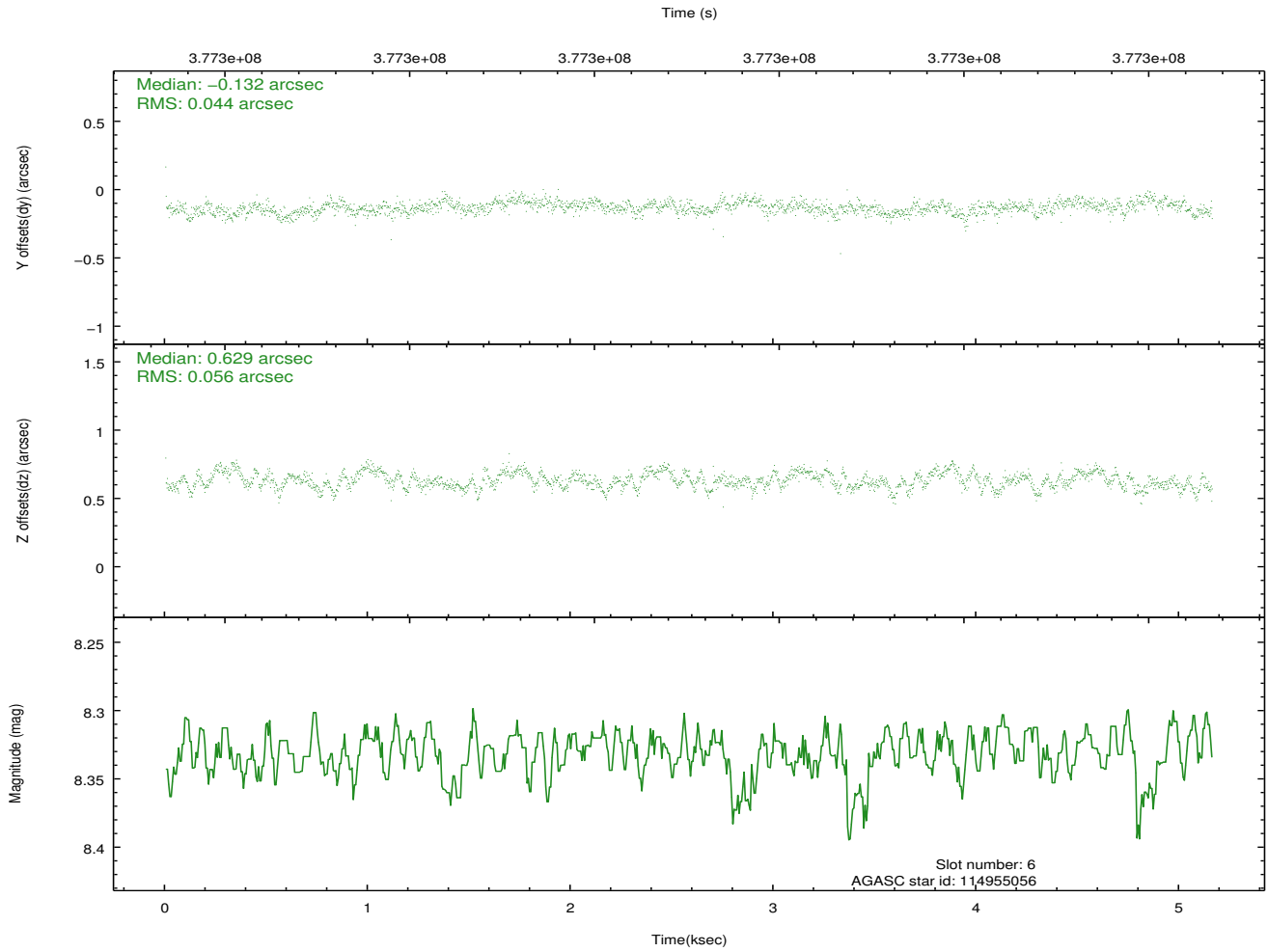
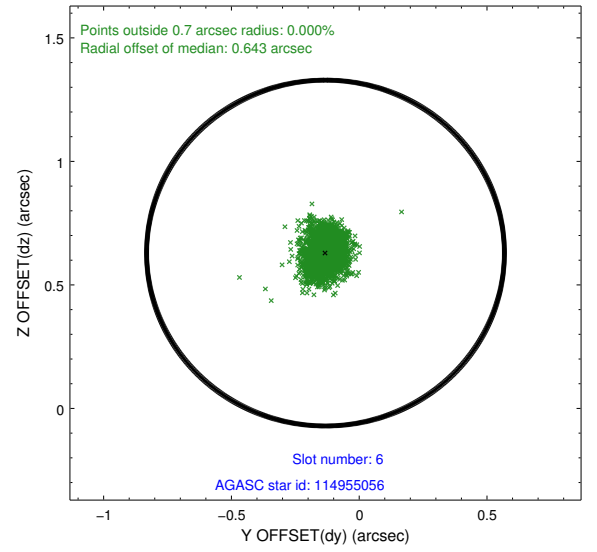
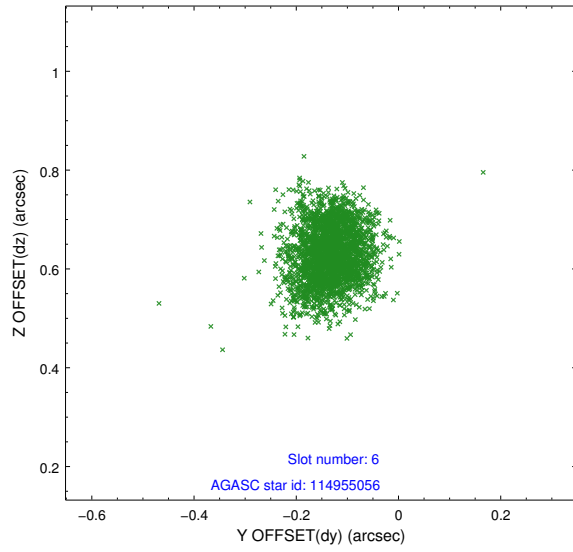
2.4.2 Slot 4



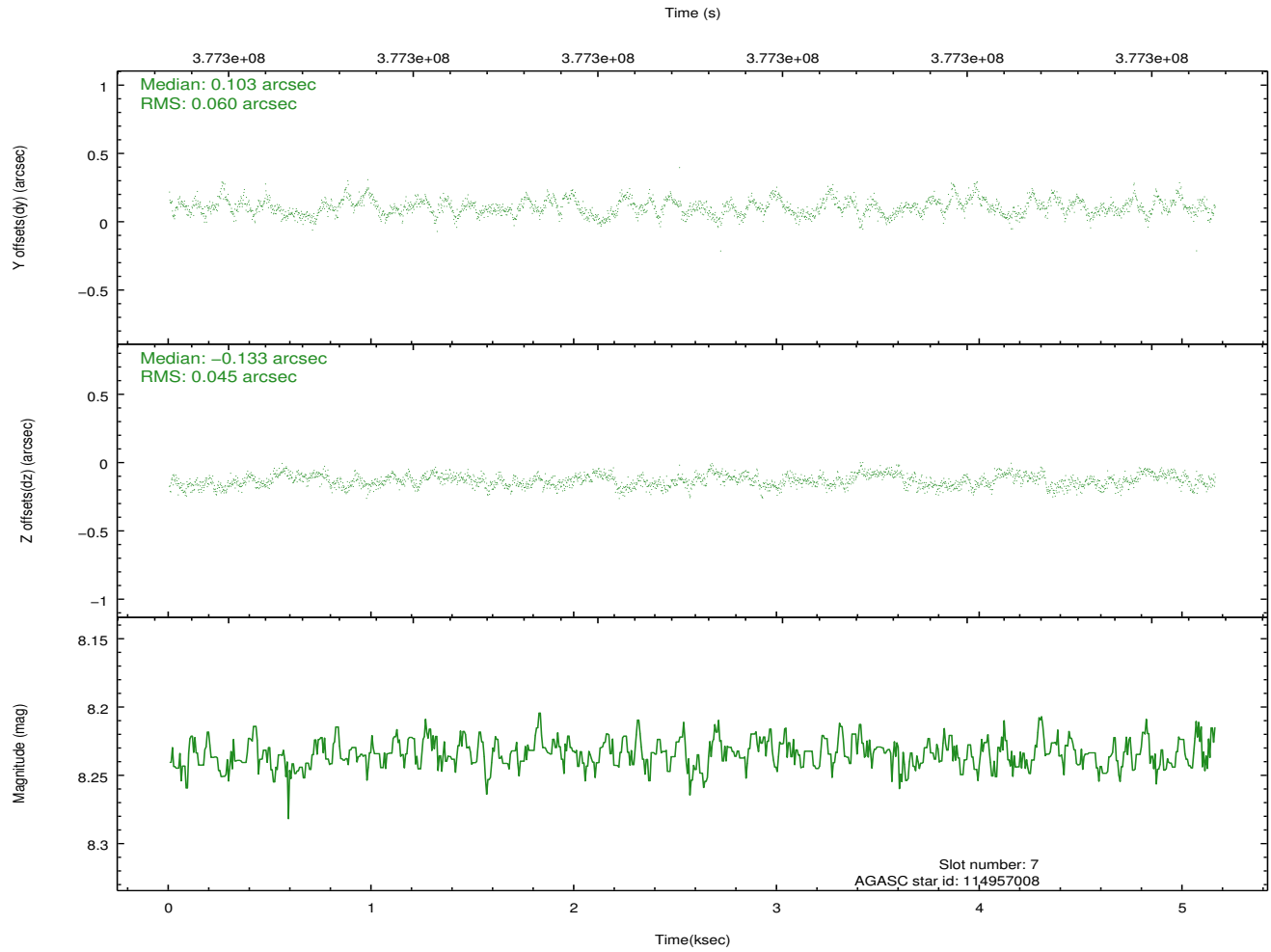
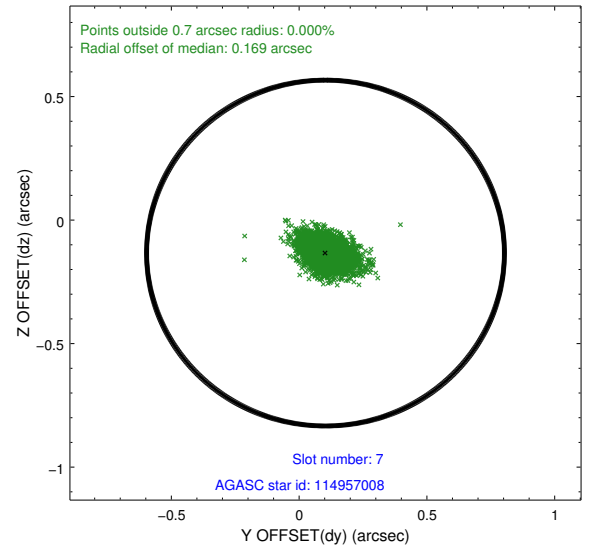
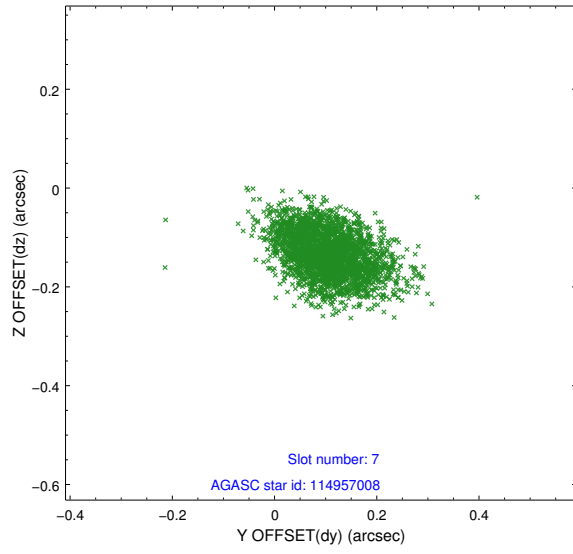
2.4.3 Slot 5



2.4.4 Slot 6

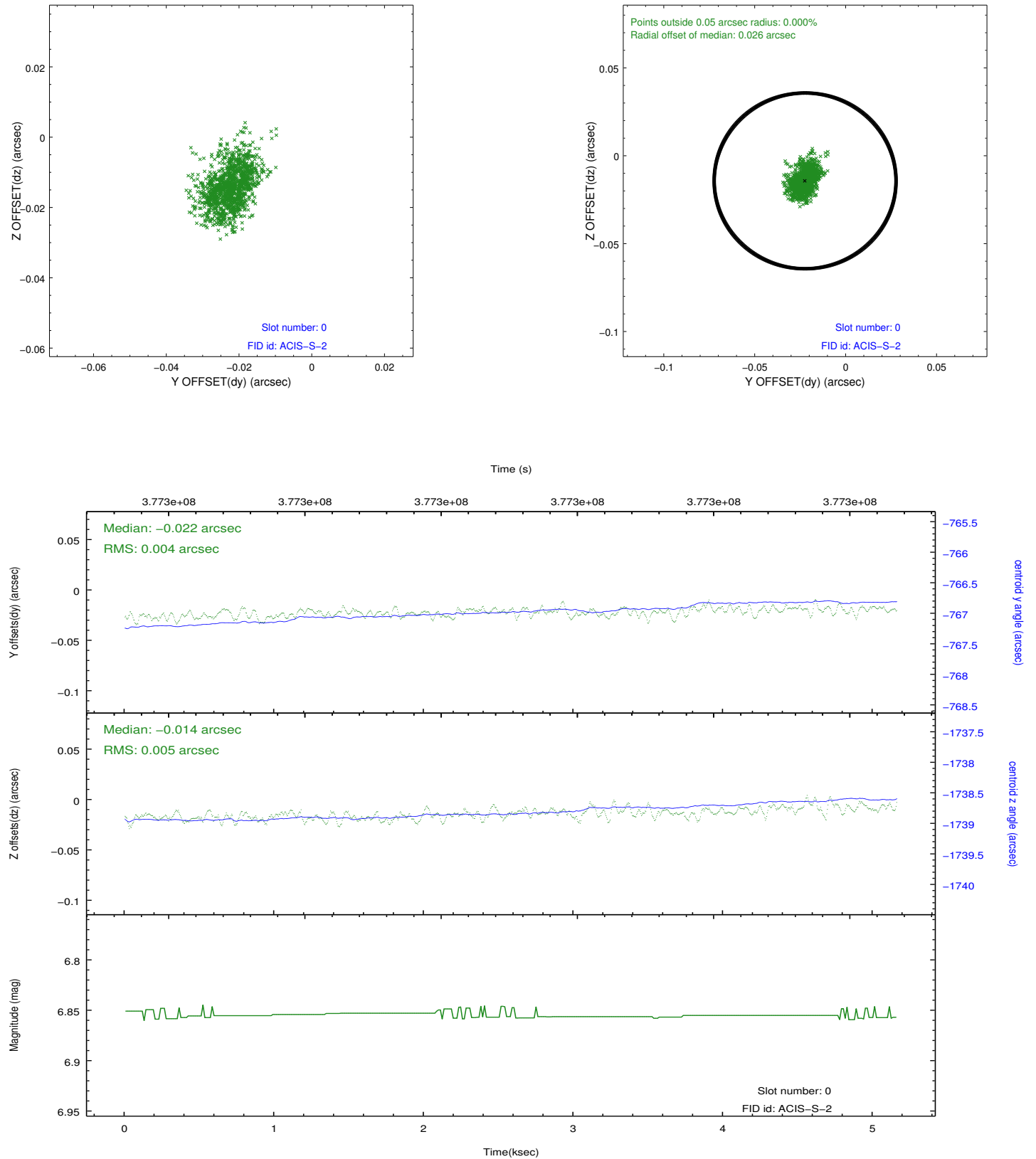


2.4.5 Slot 7

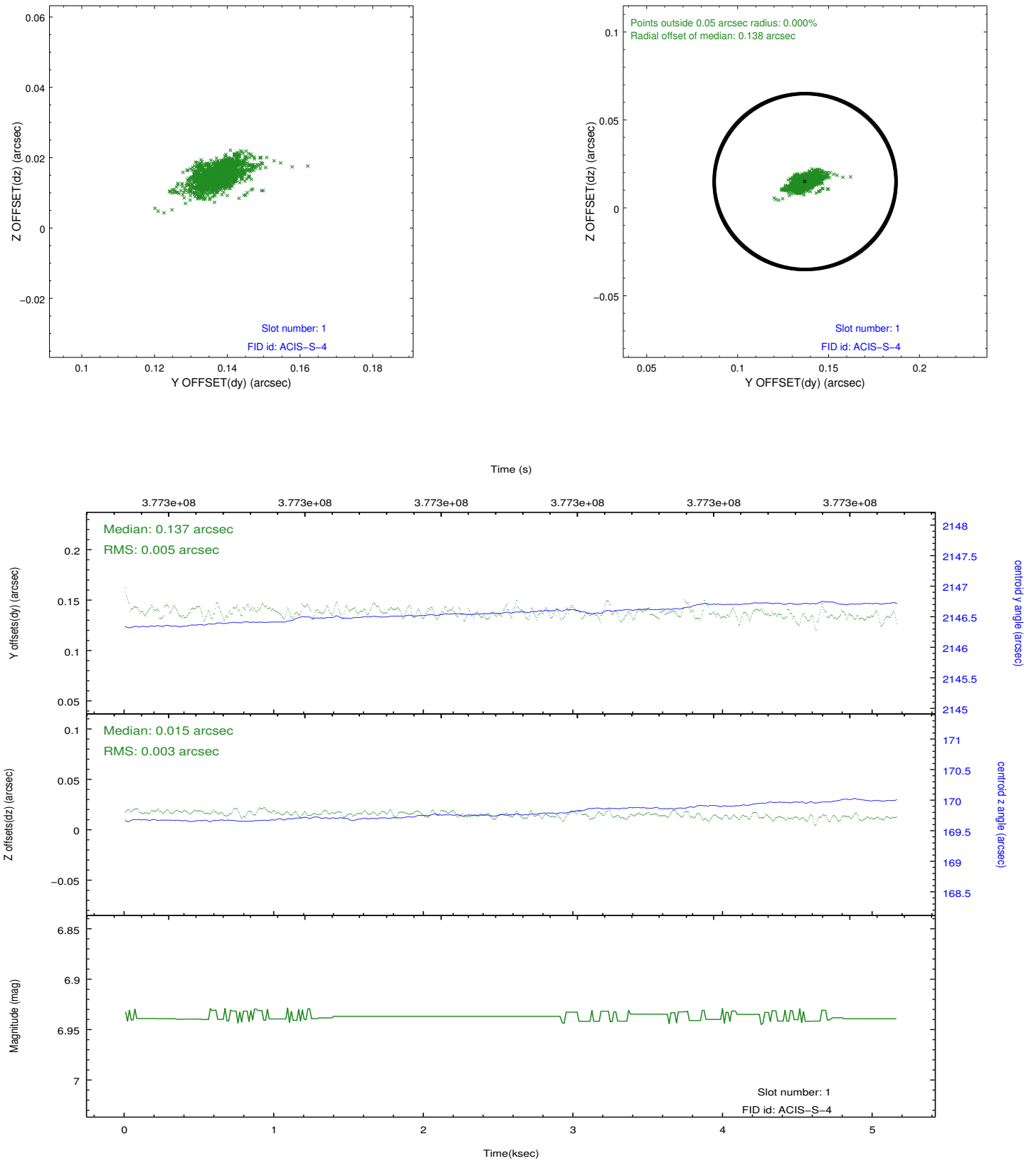


2.5 FID Slots

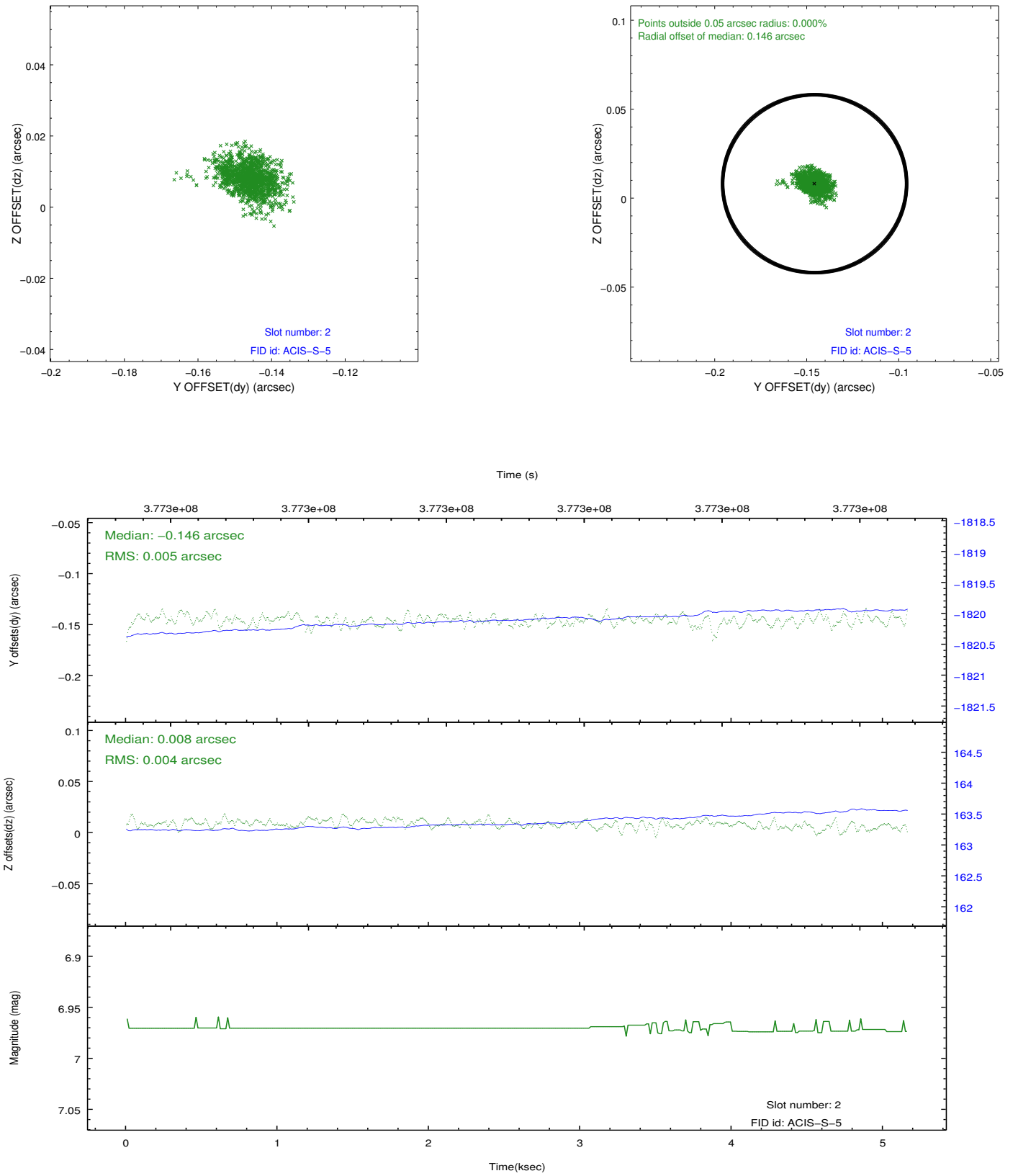
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1587996925116

A.2 Comments