

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11454 - L2 Version 3
Chandra X-Ray Center

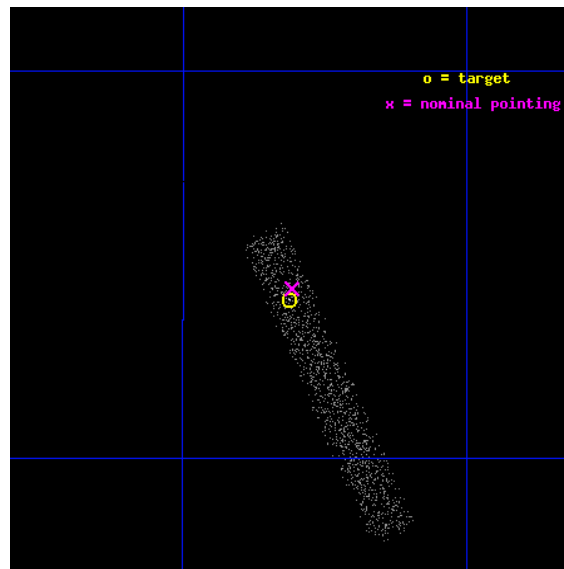
L2 Processing Date : Jun 28 2012

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1 Front

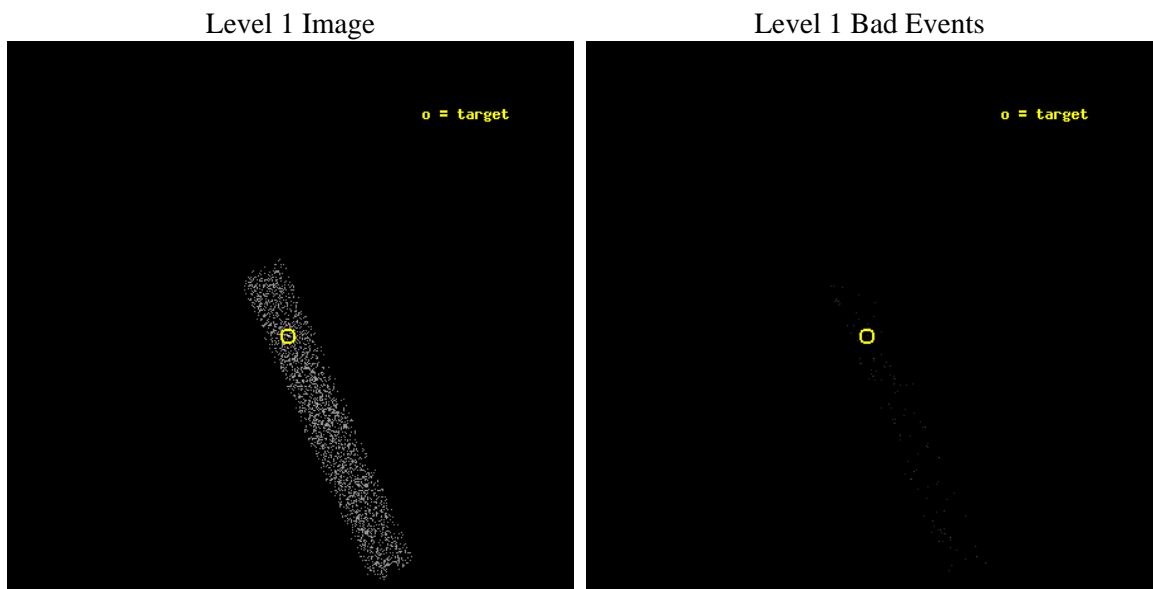
seq_num	702040	Sequence number
obs_id	11454	Observation id
title	X-ray Signatures of Accretion in AGNs with Intermediate-mass Black Holes	Proposal title
observer	Dr. Luis Ho	Principal investigator
object	SDSS J103518.74+073406.2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	158.827917	Observer's specified target RA [deg]
dec_targ	7.568389	Observer's specified target Dec [deg]
ra_nom	158.82708749764	Nominal RA [deg]
dec_nom	7.5730203838776	Nominal Dec [deg]
roll_nom	66.38891445981	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2169.9998706579	Sum of GTIs [s]
livetime	1968.0753407019	Livetime [s]
ontime7	2169.9998706579	Sum of GTIs [s]
l2events	1517	Number of level 2 events



2 OBI

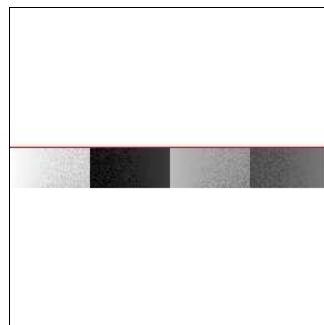
2.1 OBI

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	2169.9998706579	Sum of GTIs [s]
caldsver	4.5.0	 	ontime7	2169.9998706579	Sum of GTIs [s]
date	2012-06-28T16:58:39	Date and time of file creation	l1events	3937	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

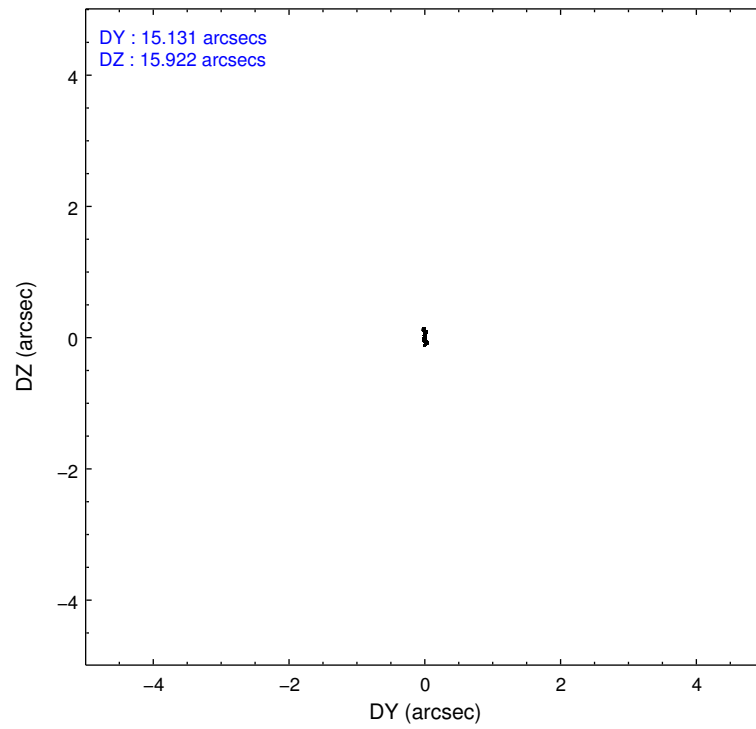
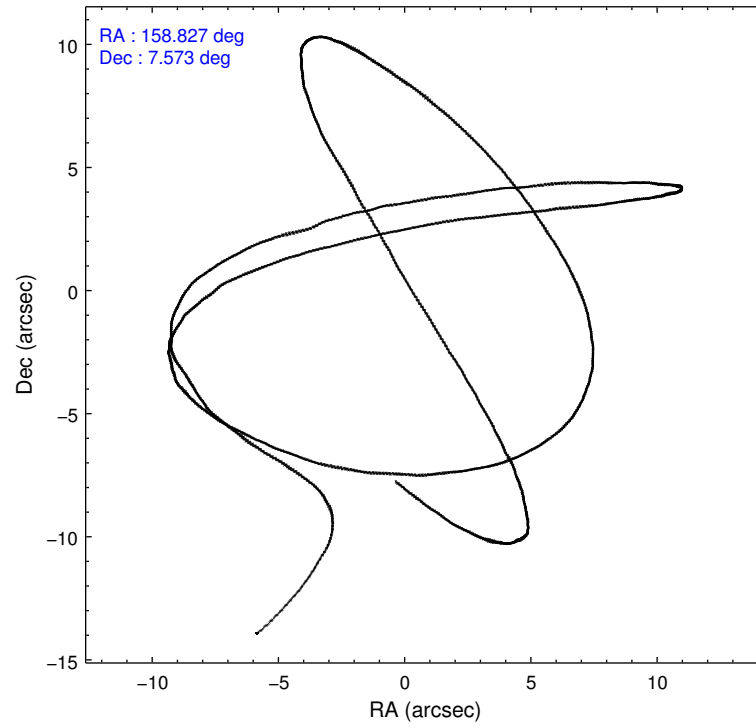
	ccd 7
level 1 events	3937
rejected events	2358
rejected %	59%

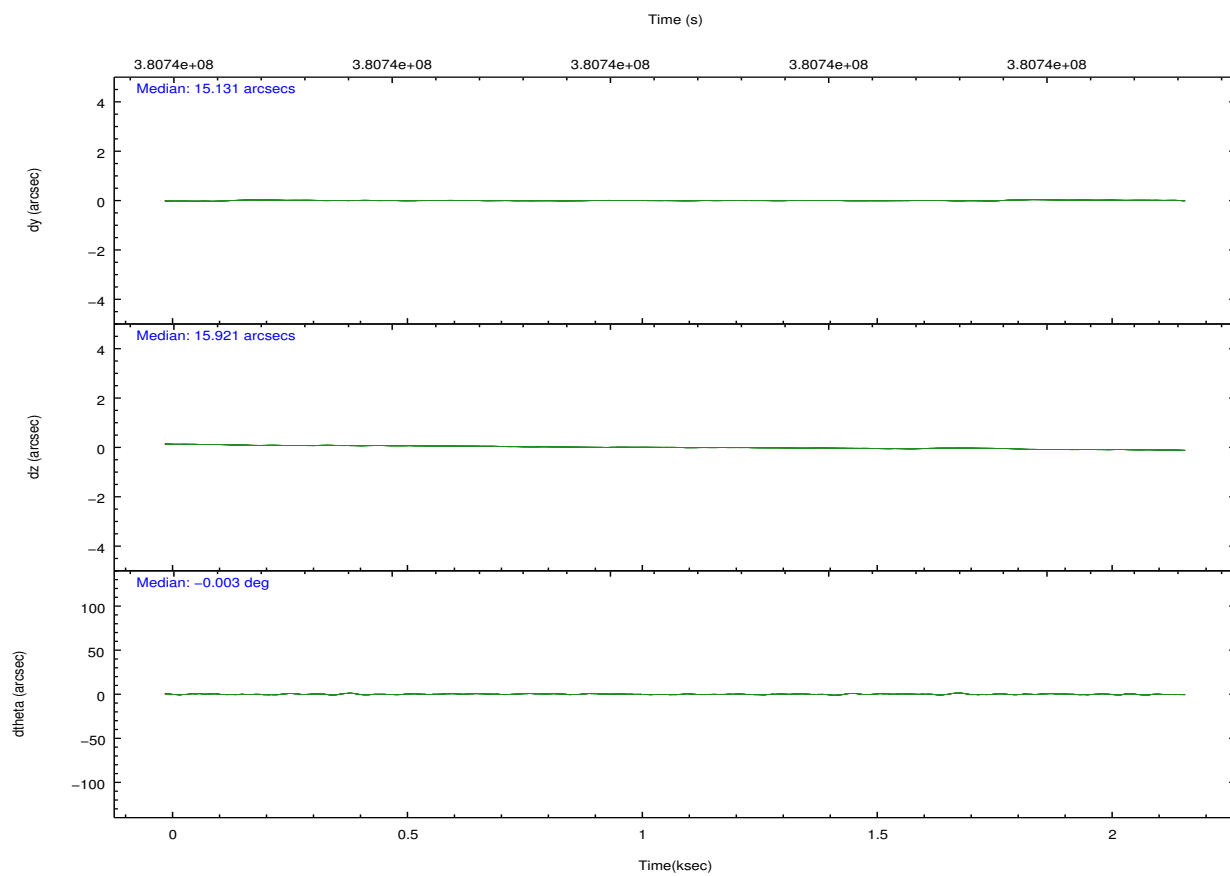
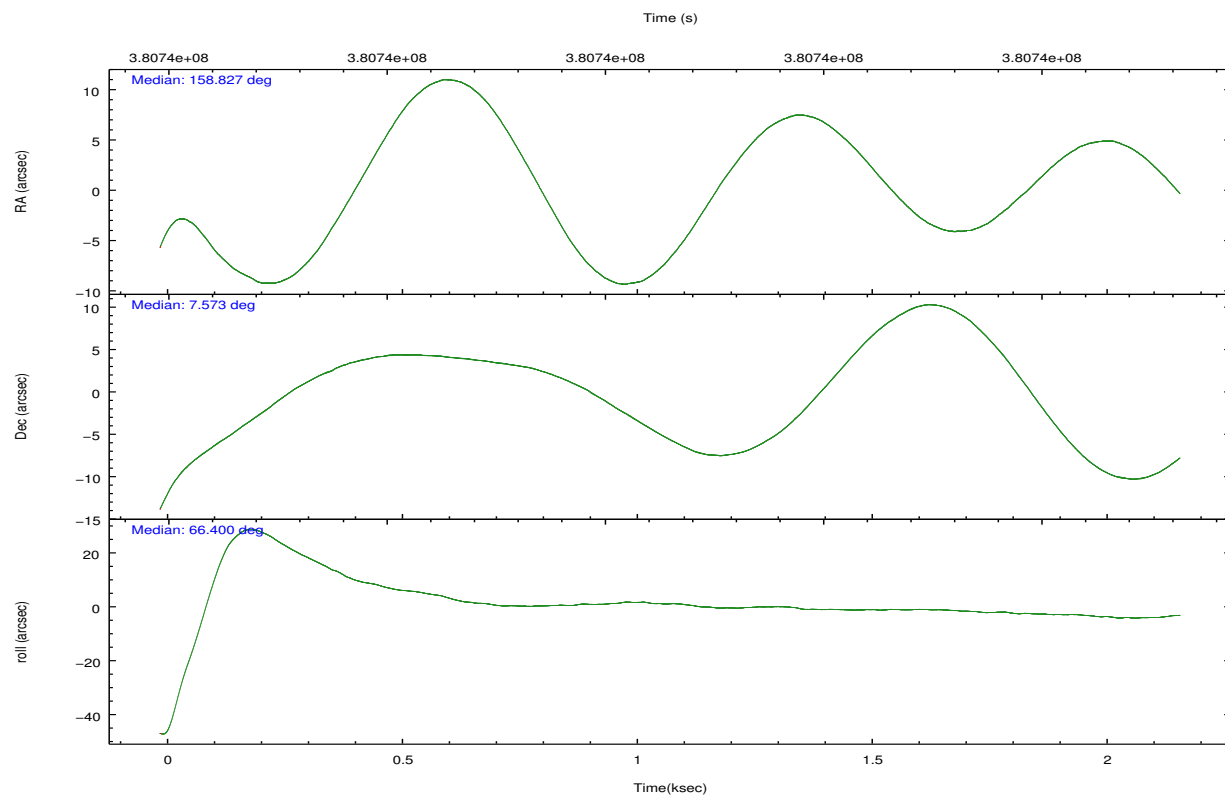
	ccd 7
grade 0 events	207
	5%
grade 1 events	3
	0%
grade 2 events	401
	10%
grade 3 events	275
	6%
grade 4 events	294
	7%
grade 5 events	401
	10%
grade 6 events	908
	23%
grade 7 events	1448
	36%

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	158.830671	158.8270874976439	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	7.546060	7.573020383877611	Subarray start row	449	449
[deg] Pointing Roll	66.232252	66.38891445980981	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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	380736732.184000	380735746.30263			
Observation start date	2010-01-24T16:11:06	2010-01-24T15:55:46			
[s] Observation end time (MET)	380738732.184000	380739558.27783			
Observation end date	2010-01-24T16:44:26	2010-01-24T16:59:18			
Read mode	TIMED	TIMED			

2.3 Aspect



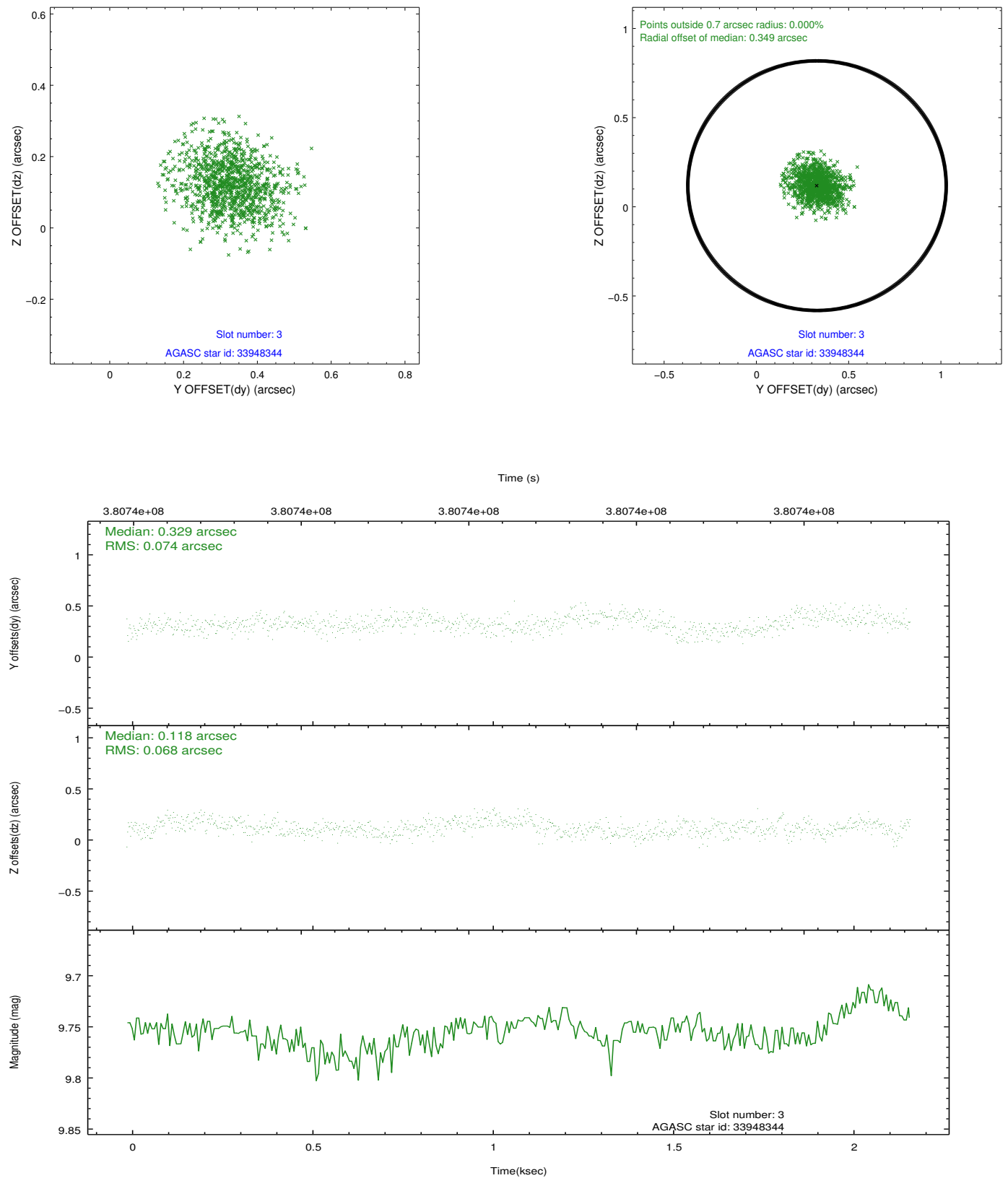


Slot Statistics

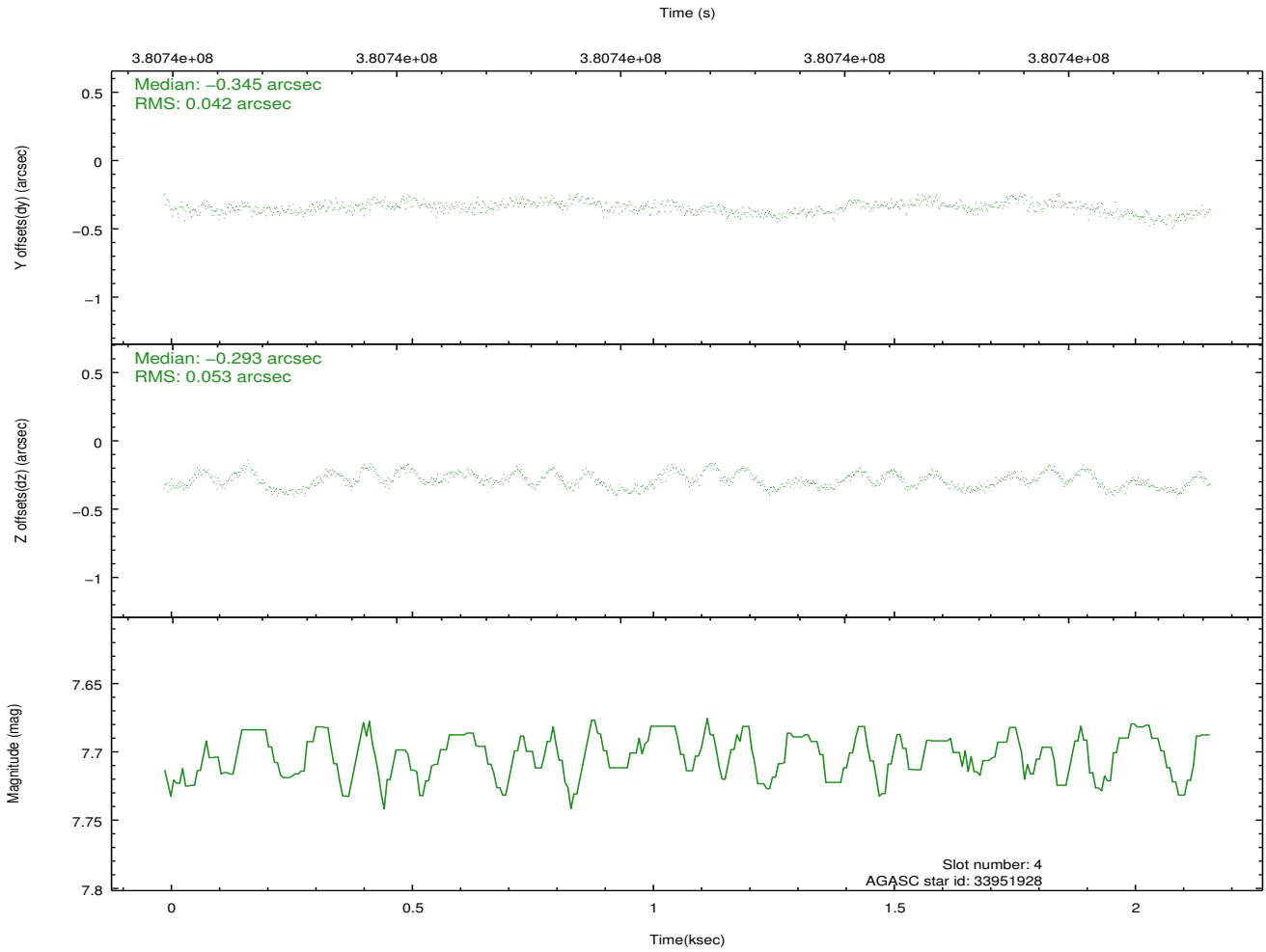
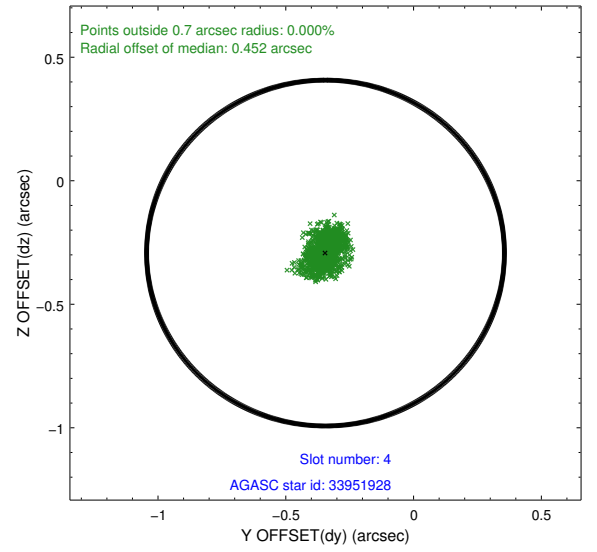
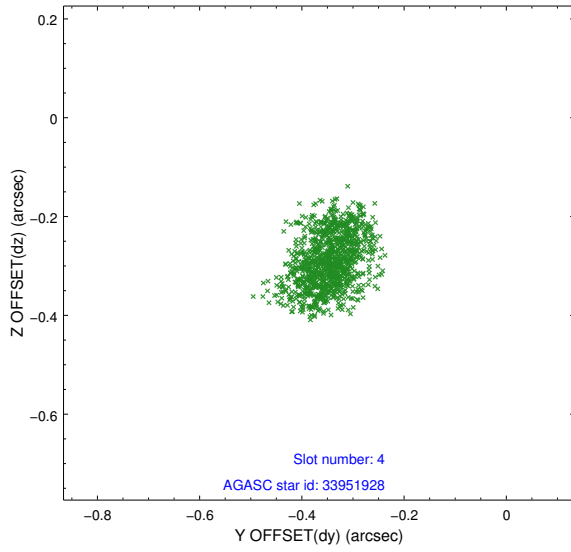
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	530	-0.118	-0.078	0.006	0.010	0.000000	0.000000	-768.26	-1737.34
1	FID	ACIS-S-4	6.97	530	0.129	0.061	0.006	0.010	0.000000	0.000000	2143.92	168.10
2	FID	ACIS-S-6	7.12	530	-0.038	0.024	0.007	0.012	0.000000	0.000000	397.70	808.92
3	GUIDE	33948344	9.76	1060	0.329	0.118	0.106	0.182	158.545596	7.148819	-1717.86	356.03
4	GUIDE	33951928	7.70	1060	-0.345	-0.293	0.076	0.111	159.021386	7.036349	-1406.19	-1362.95
5	GUIDE	109970528	7.99	1060	-0.156	0.229	0.071	0.119	158.721840	8.064497	1551.16	1105.77
6	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
7	GUIDE	109981032	9.44	1058	0.171	-0.061	0.103	0.165	158.486225	7.510295	-610.54	1074.23

2.4 Star Slots

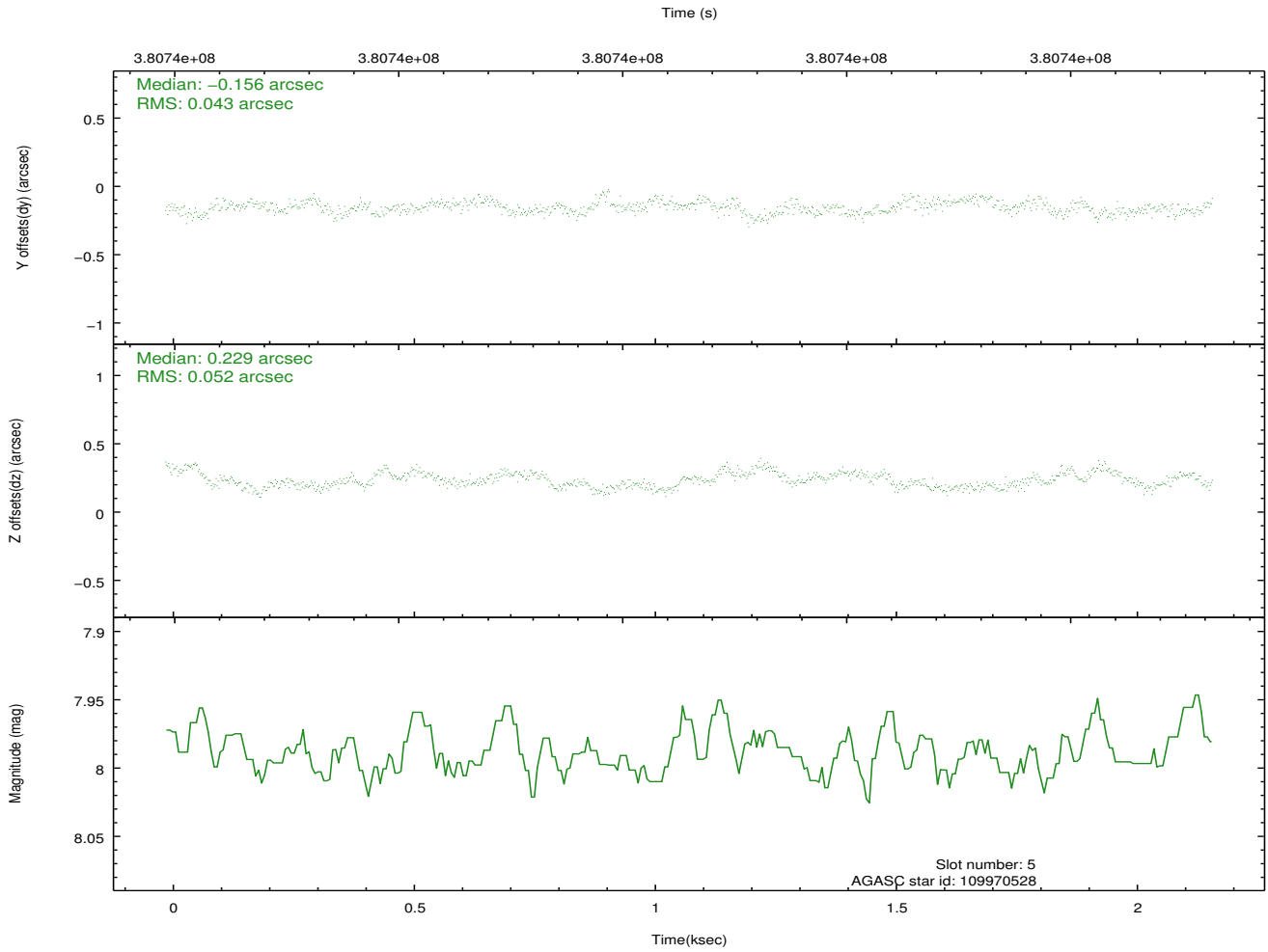
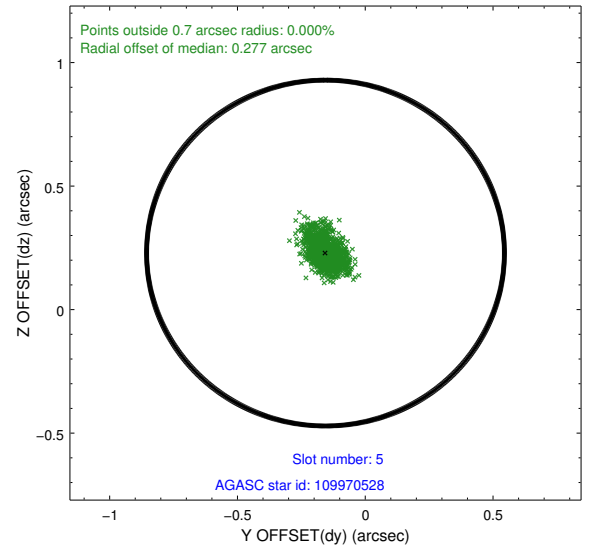
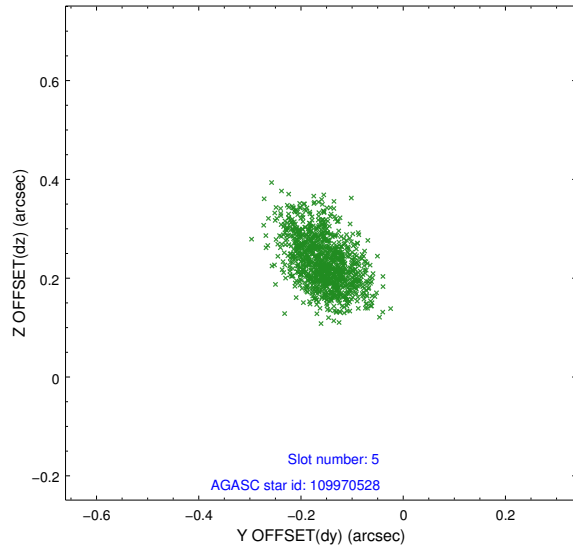
2.4.1 Slot 3



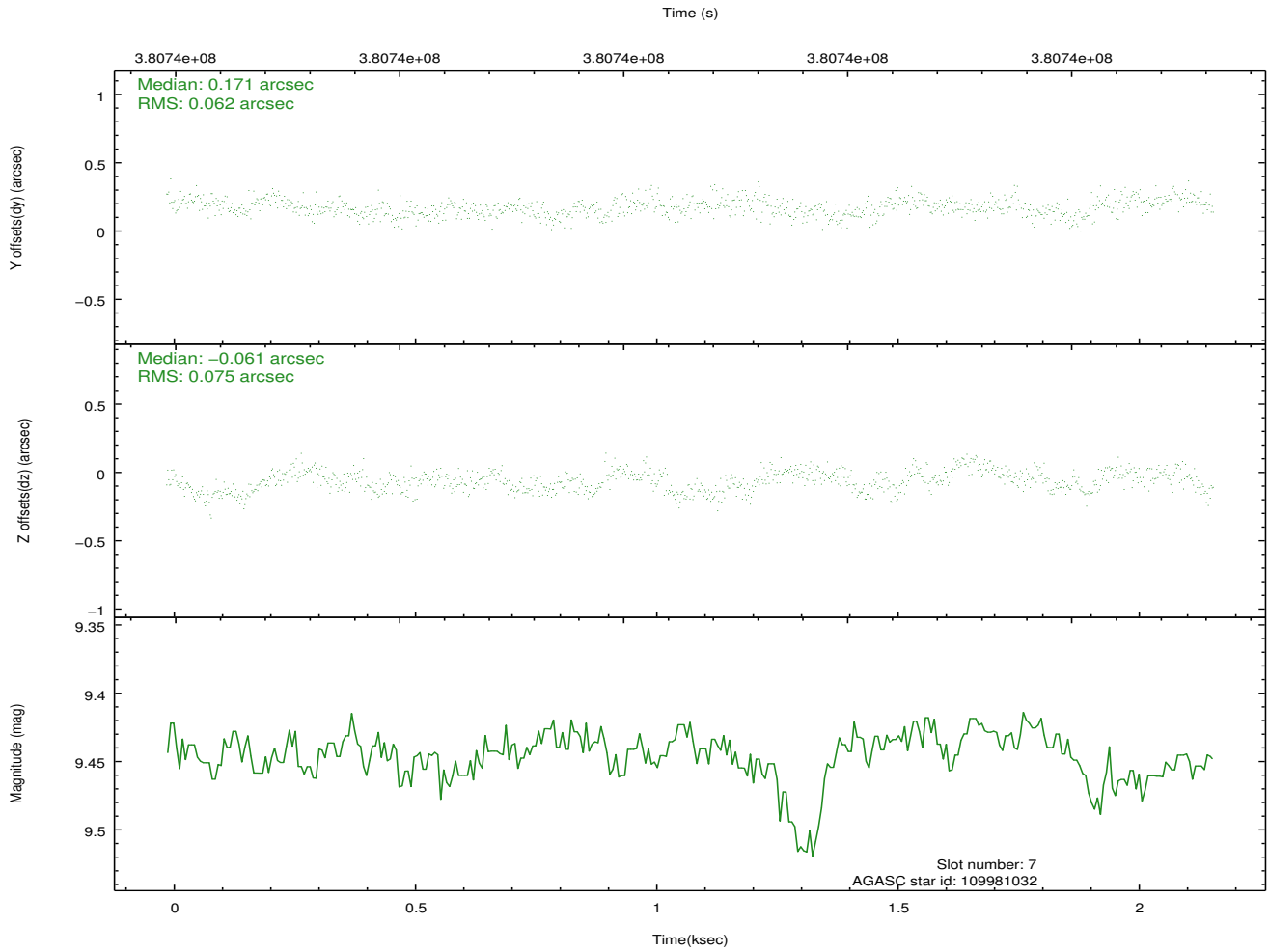
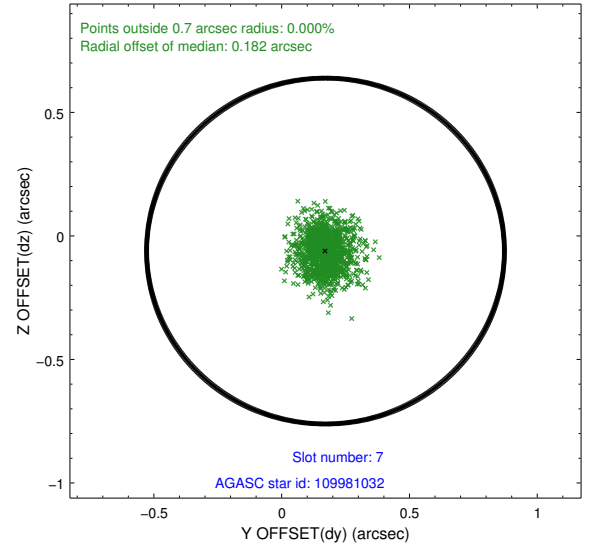
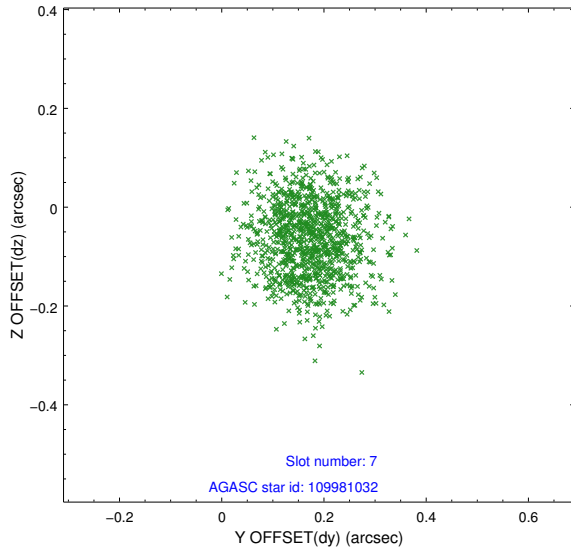
2.4.2 Slot 4



2.4.3 Slot 5

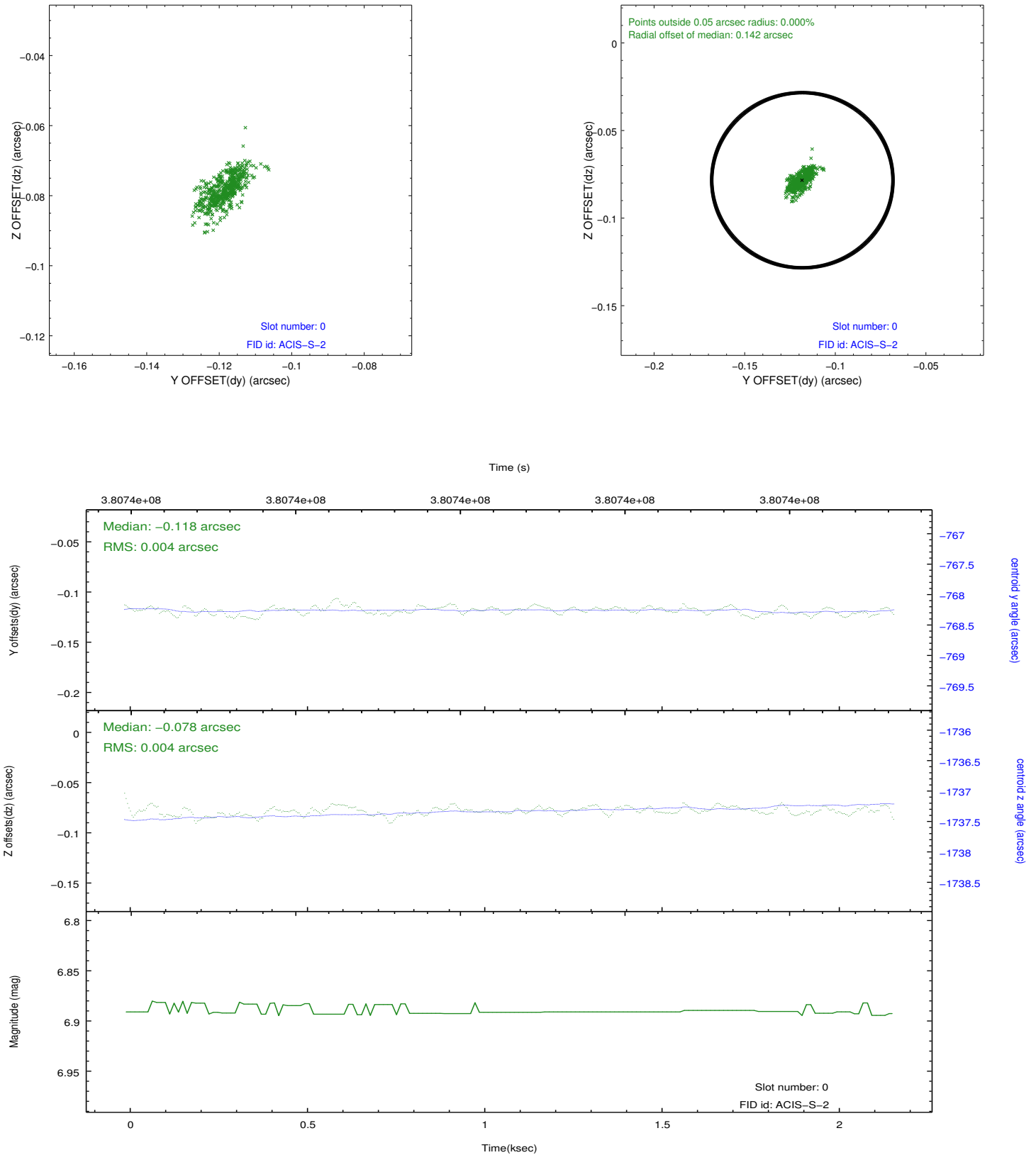


2.4.4 Slot 7

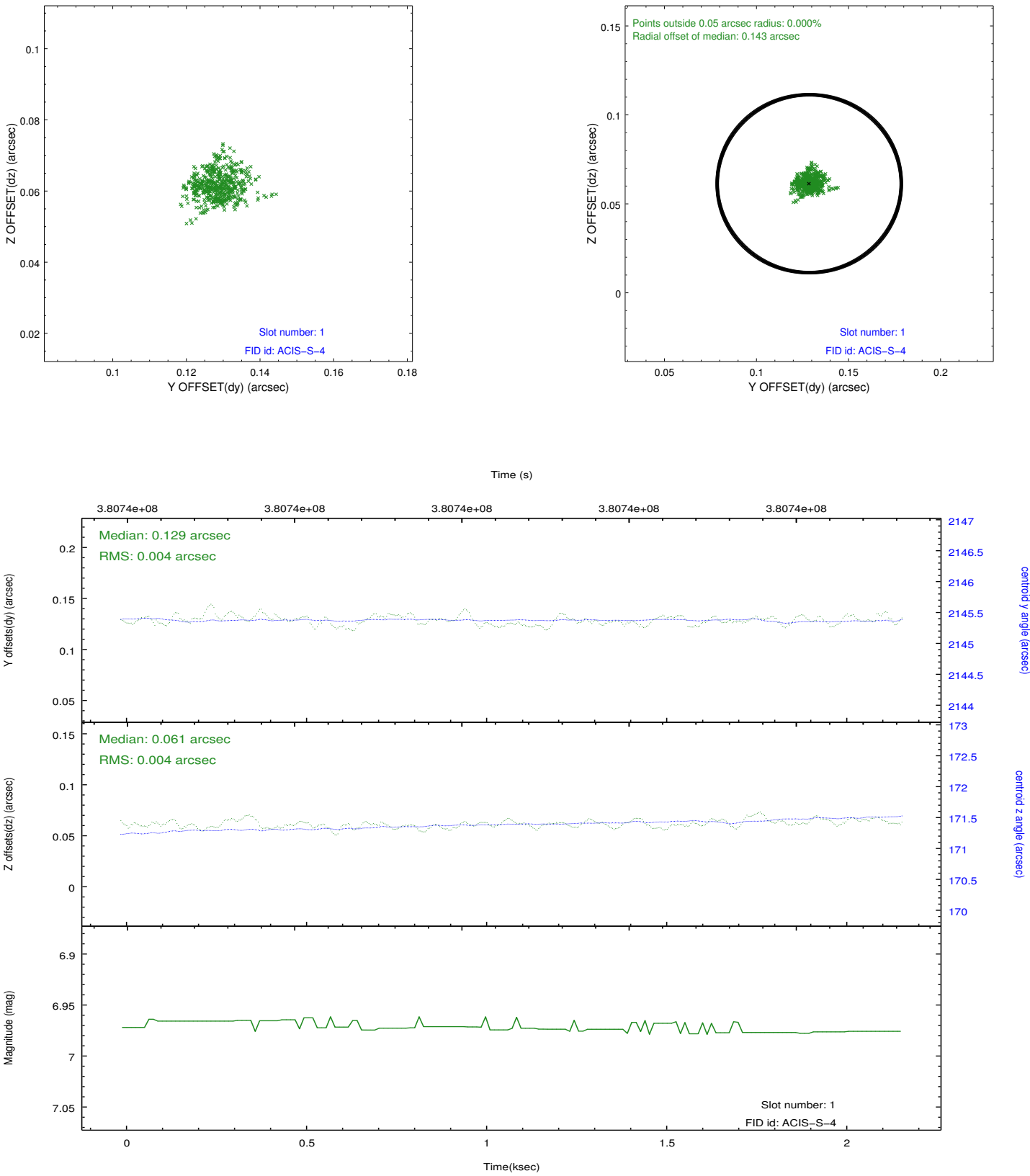


2.5 FID Slots

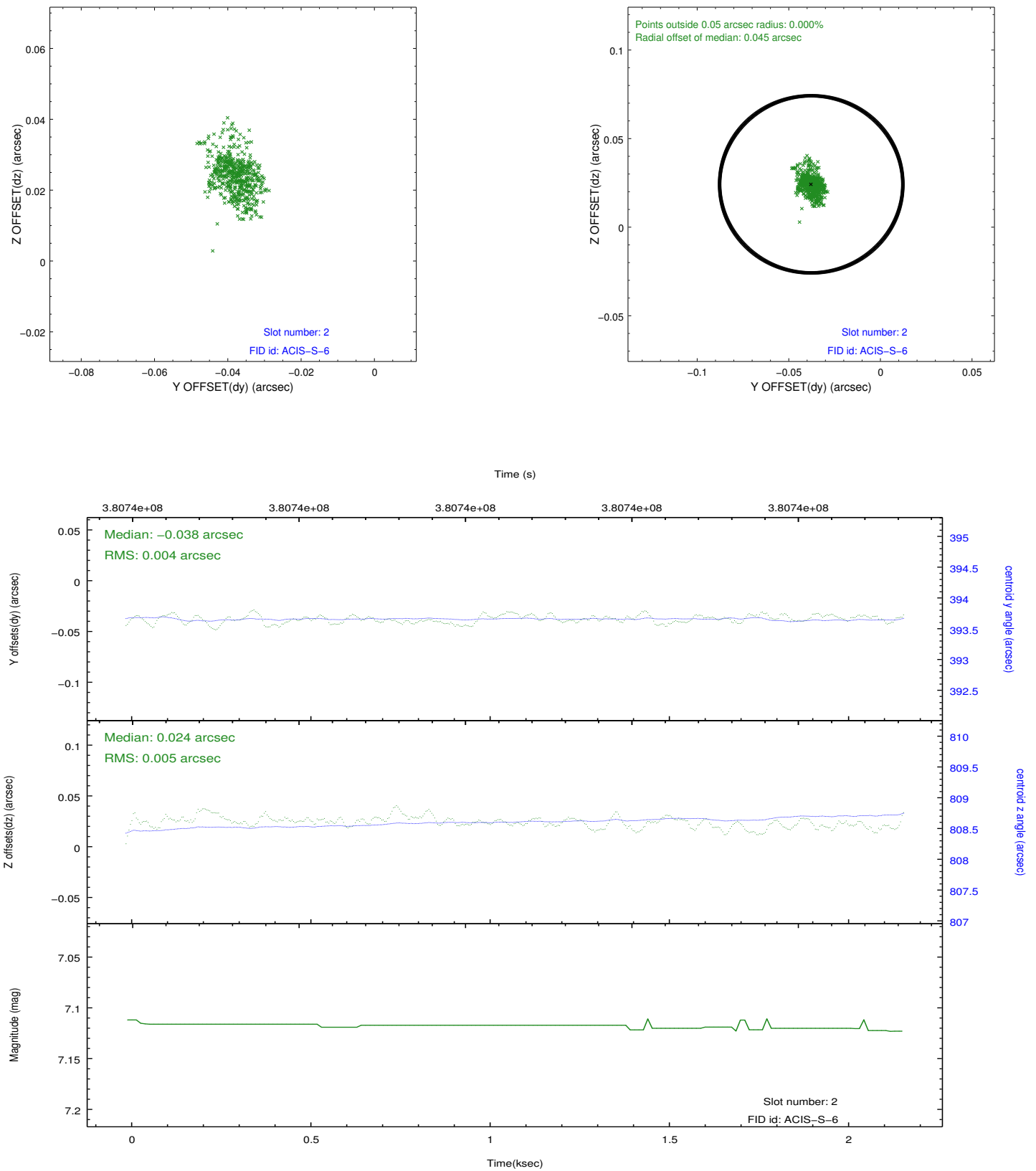
2.5.1 Slot 0



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)	2012.07.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1699998706579

A.2 Comments

The guide star in slot 6 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.