

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13893 - L2 Version 1
Chandra X-Ray Center

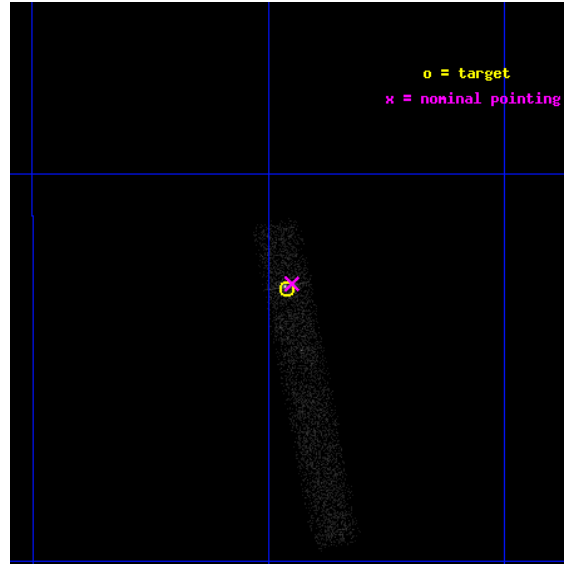
L2 Processing Date : Jun 18 2012

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1 Front

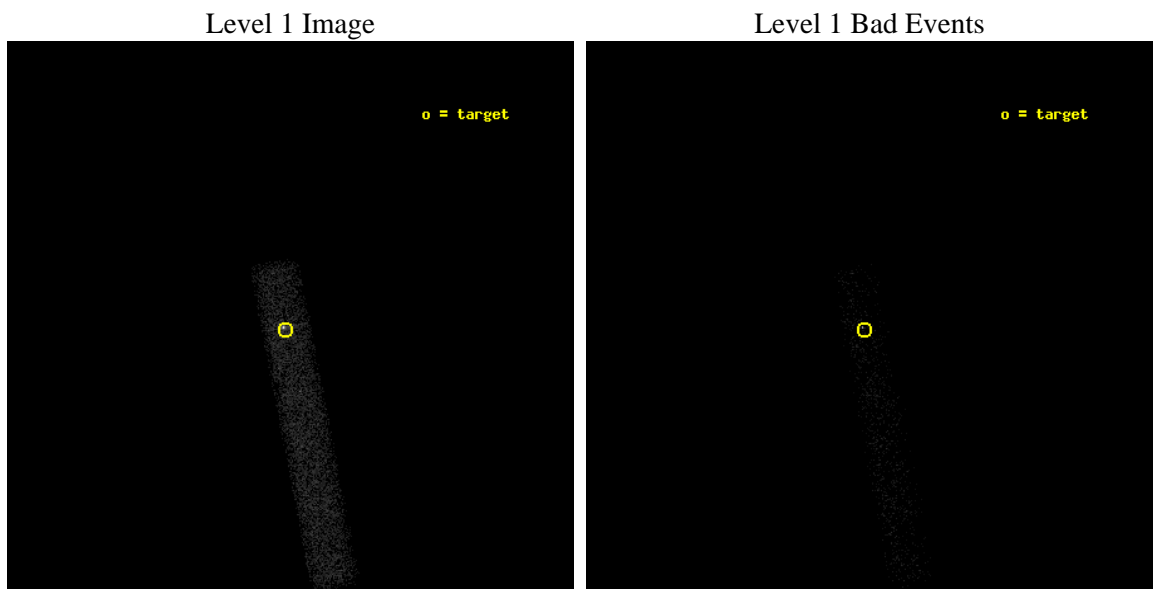
seq_num	702618	Sequence number
obs_id	13893	Observation id
title	CHANDRA SURVEY OF DUAL ACTIVATION IN HARD X-RAY SELECTED MERGING AGN HOSTS	Proposal title
observer	Dr. Richard Mushotzky	Principal investigator
object	ESO 399-20	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	301.740417	Observer's specified target RA [deg]
dec_targ	-34.549444	Observer's specified target Dec [deg]
ra_nom	301.73776260572	Nominal RA [deg]
dec_nom	-34.547396672448	Nominal Dec [deg]
roll_nom	79.059384617202	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10069.199399829	Sum of GTIs [s]
livetime	9132.2323597215	Livetime [s]
ontime7	10069.199399829	Sum of GTIs [s]
l2events	12057	Number of level 2 events



2 OBI

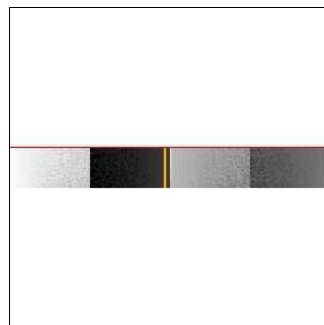
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10069.199399829	Sum of GTIs [s]
caldsver	4.4.10	 	ontime7	10069.199399829	Sum of GTIs [s]
date	2012-06-19T01:09:18	Date and time of file creation	l1events	17675	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

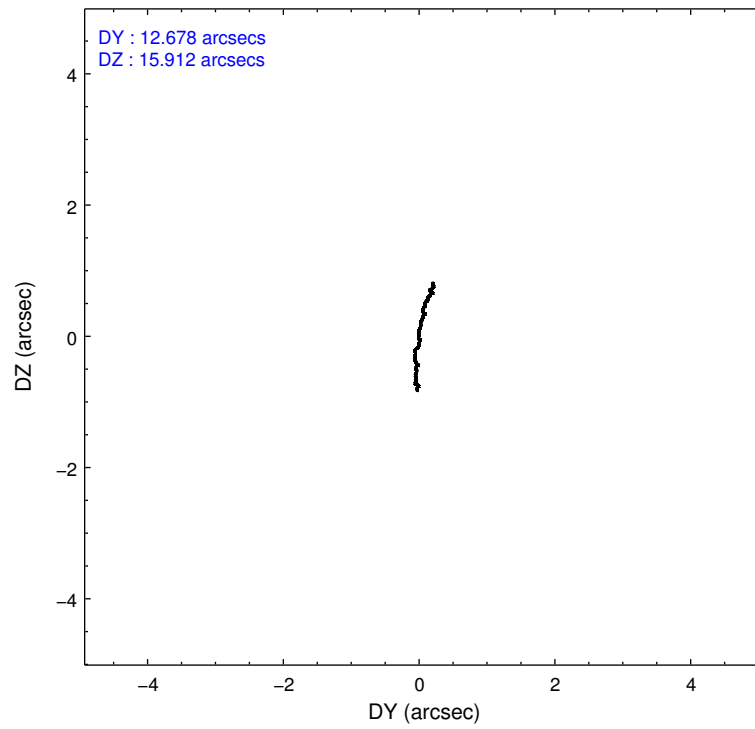
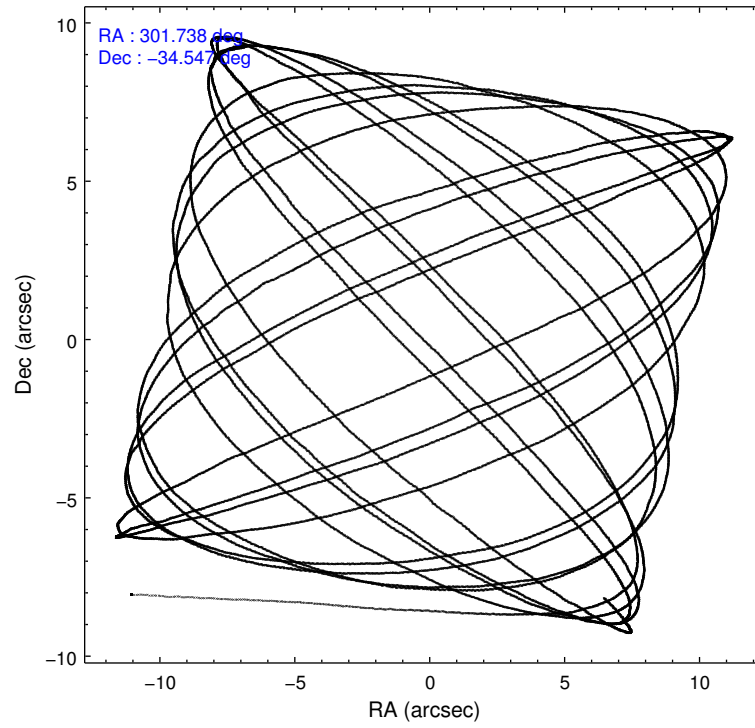
	ccd 7
level 1 events	17675
rejected events	5419
rejected %	30%

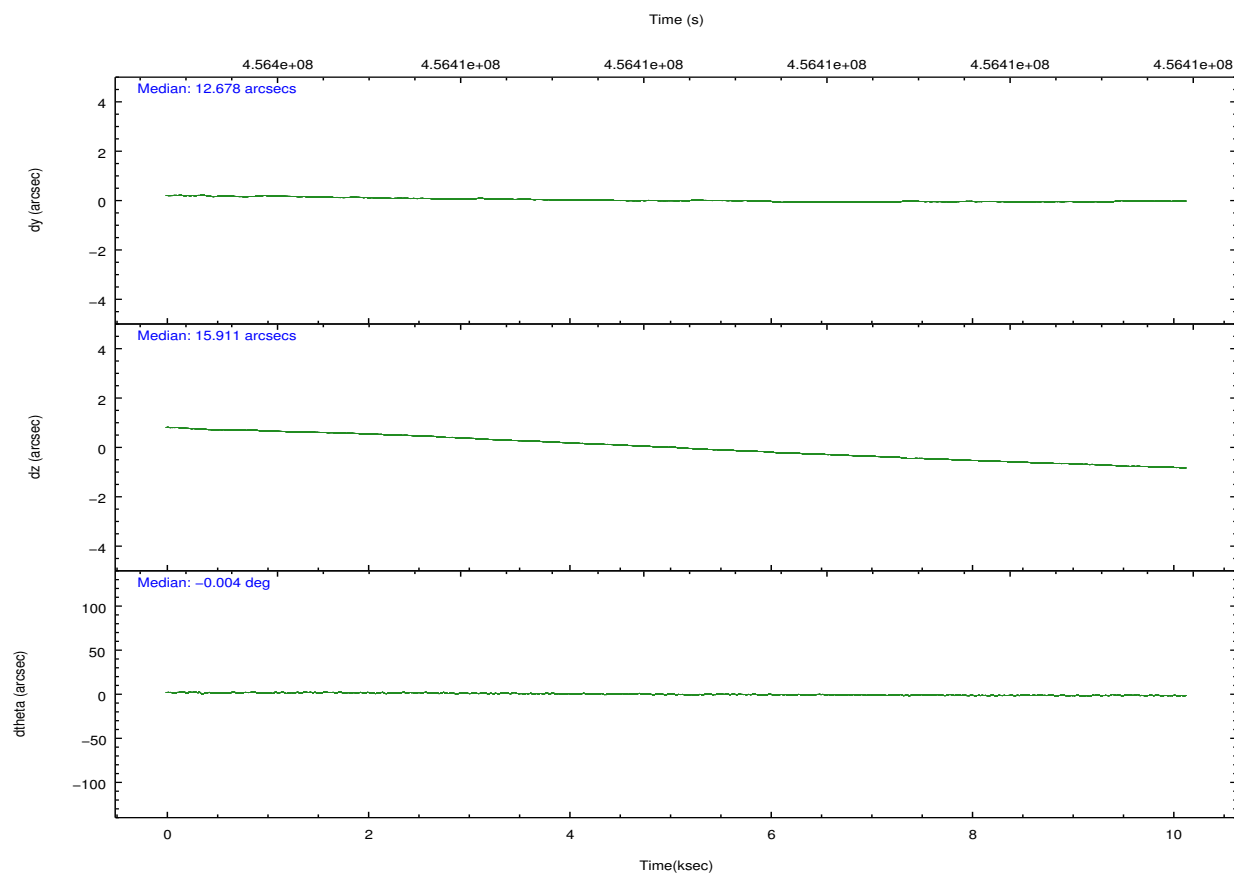
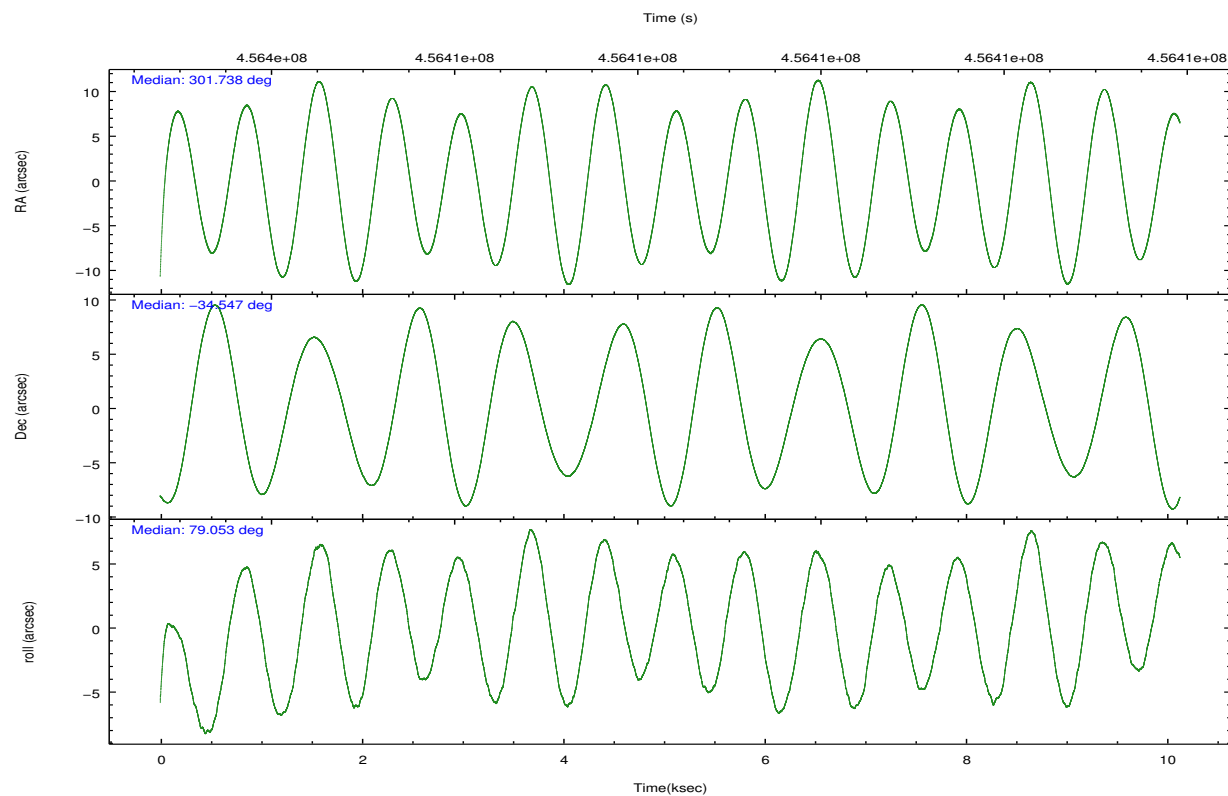
	ccd 7
grade 0 events	2395
	13%
grade 1 events	71
	0%
grade 2 events	2775
	15%
grade 3 events	1505
	8%
grade 4 events	1451
	8%
grade 5 events	1186
	6%
grade 6 events	4130
	23%
grade 7 events	4162
	23%

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	301.749028	301.7377626057199	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-34.573080	-34.54739667244755	Subarray start row	449	449
[deg] Pointing Roll	78.909140	79.05938461720237	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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	456403416.184000	456402181.88093			
Observation start date	2012-06-18T10:42:30	2012-06-18T10:23:01			
[s] Observation end time (MET)	456413416.184000	456414767.8566			
Observation end date	2012-06-18T13:29:10	2012-06-18T13:52:47			
Read mode	TIMED	TIMED			

2.3 Aspect



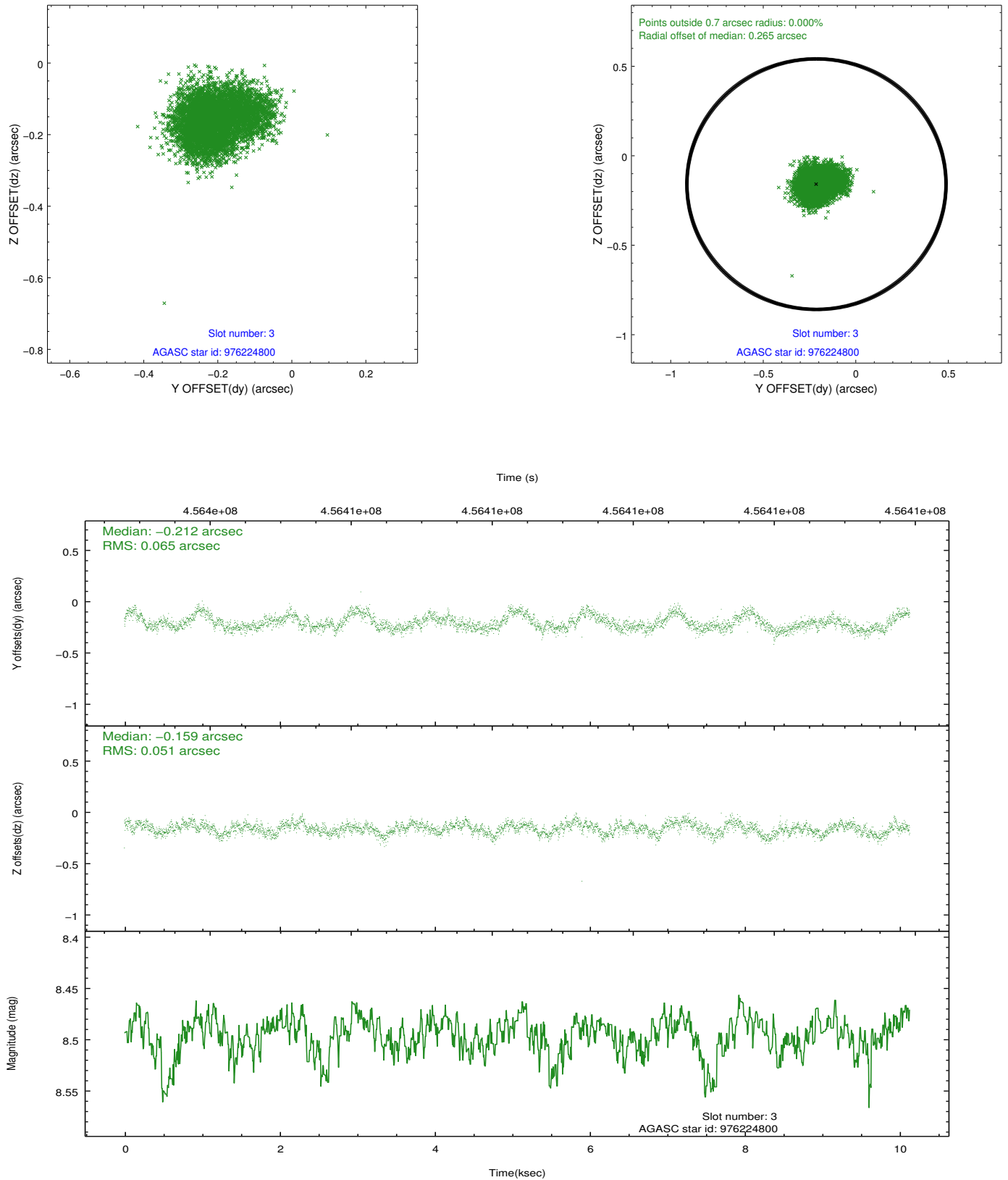


Slot Statistics

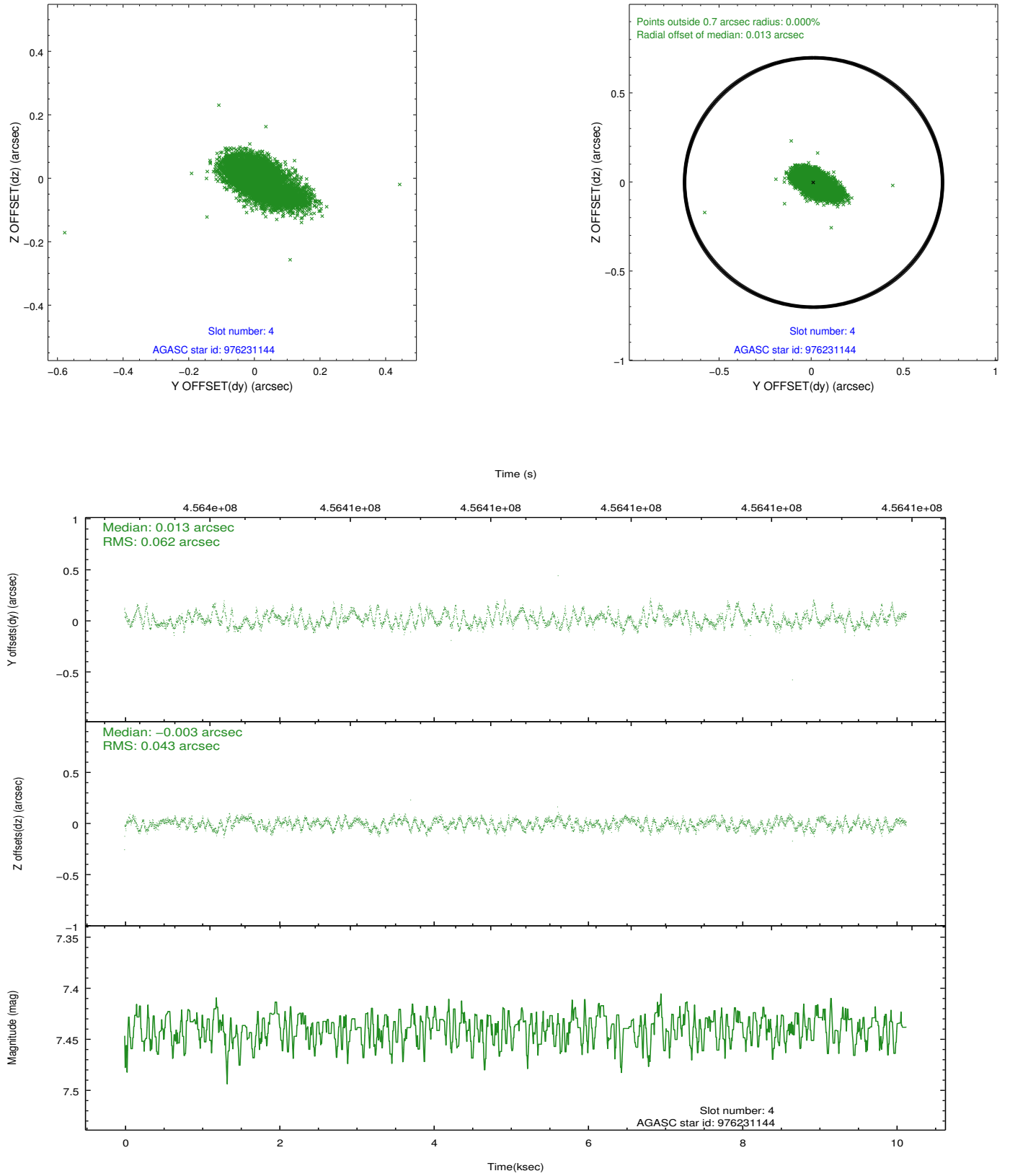
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	2472	-0.055	-0.012	0.012	0.020	0.000000	0.000000	-765.66	-1737.32
1	FID	ACIS-S-4	7.00	2472	0.199	0.030	0.007	0.013	0.000000	0.000000	2147.62	170.67
2	FID	ACIS-S-5	7.03	2472	-0.177	-0.009	0.016	0.025	0.000000	0.000000	-1817.96	164.89
3	GUIDE	976224800	8.49	4944	-0.212	-0.159	0.089	0.142	301.385431	-33.902241	2159.05	1530.68
4	GUIDE	976231144	7.44	4944	0.013	-0.003	0.077	0.137	301.357772	-34.666888	-556.09	1071.51
5	GUIDE	976234360	8.48	4944	0.049	0.008	0.089	0.140	301.409449	-34.919986	-1421.91	743.36
6	GUIDE	976360376	9.07	4940	0.178	0.100	0.149	0.215	302.033034	-34.769435	-532.98	-960.14
7	GUIDE	976362520	7.55	4942	-0.048	0.058	0.057	0.096	302.127412	-34.513426	424.62	-1060.76

2.4 Star Slots

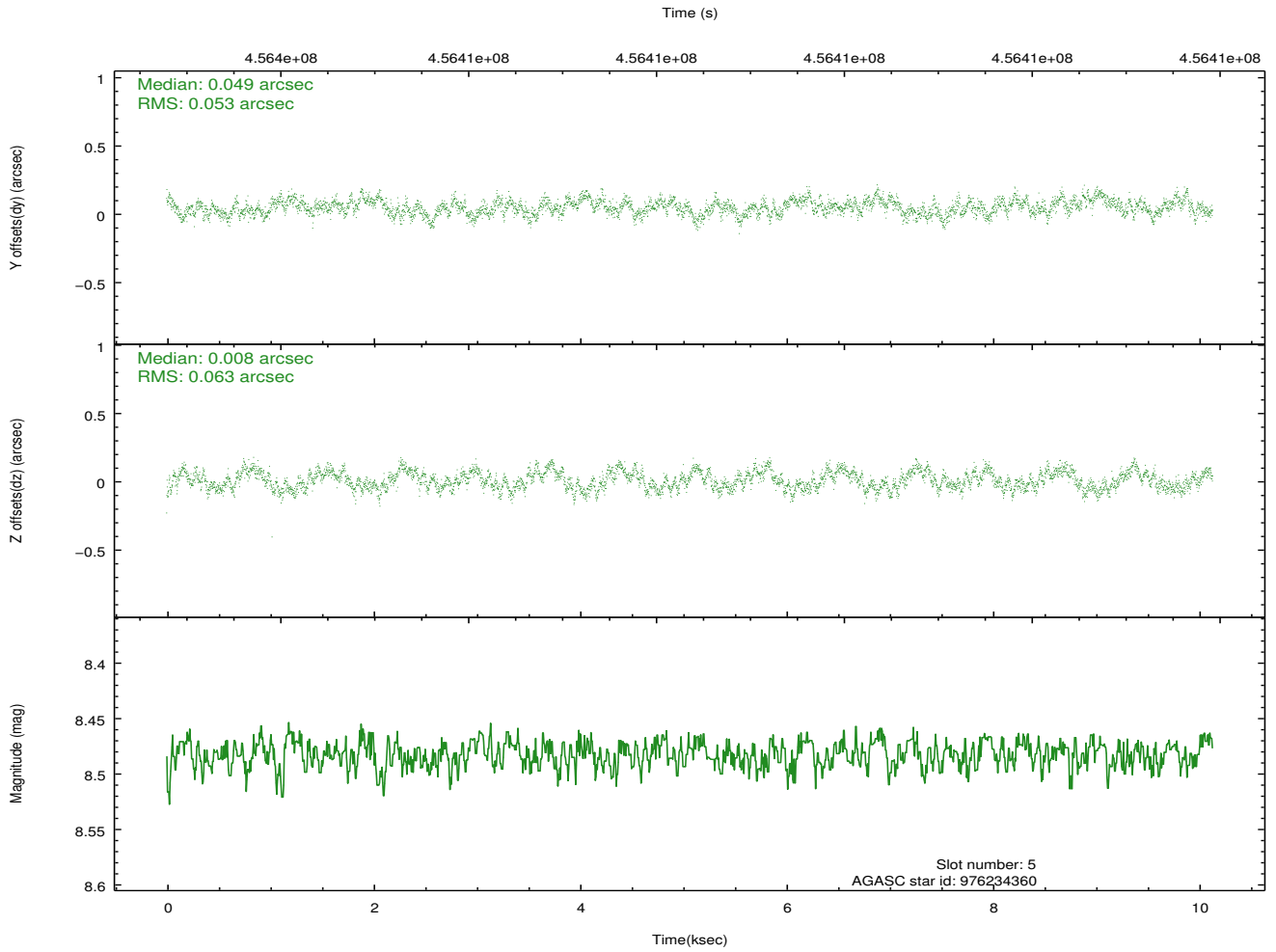
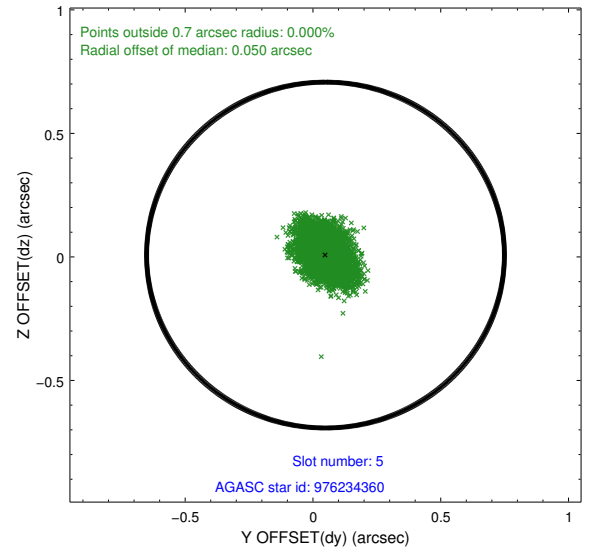
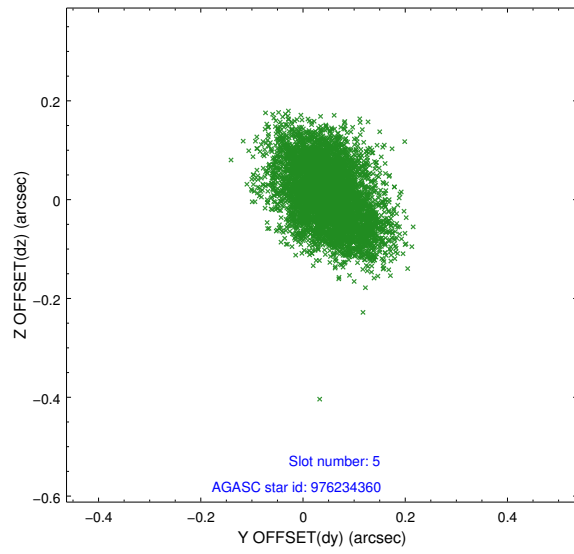
2.4.1 Slot 3



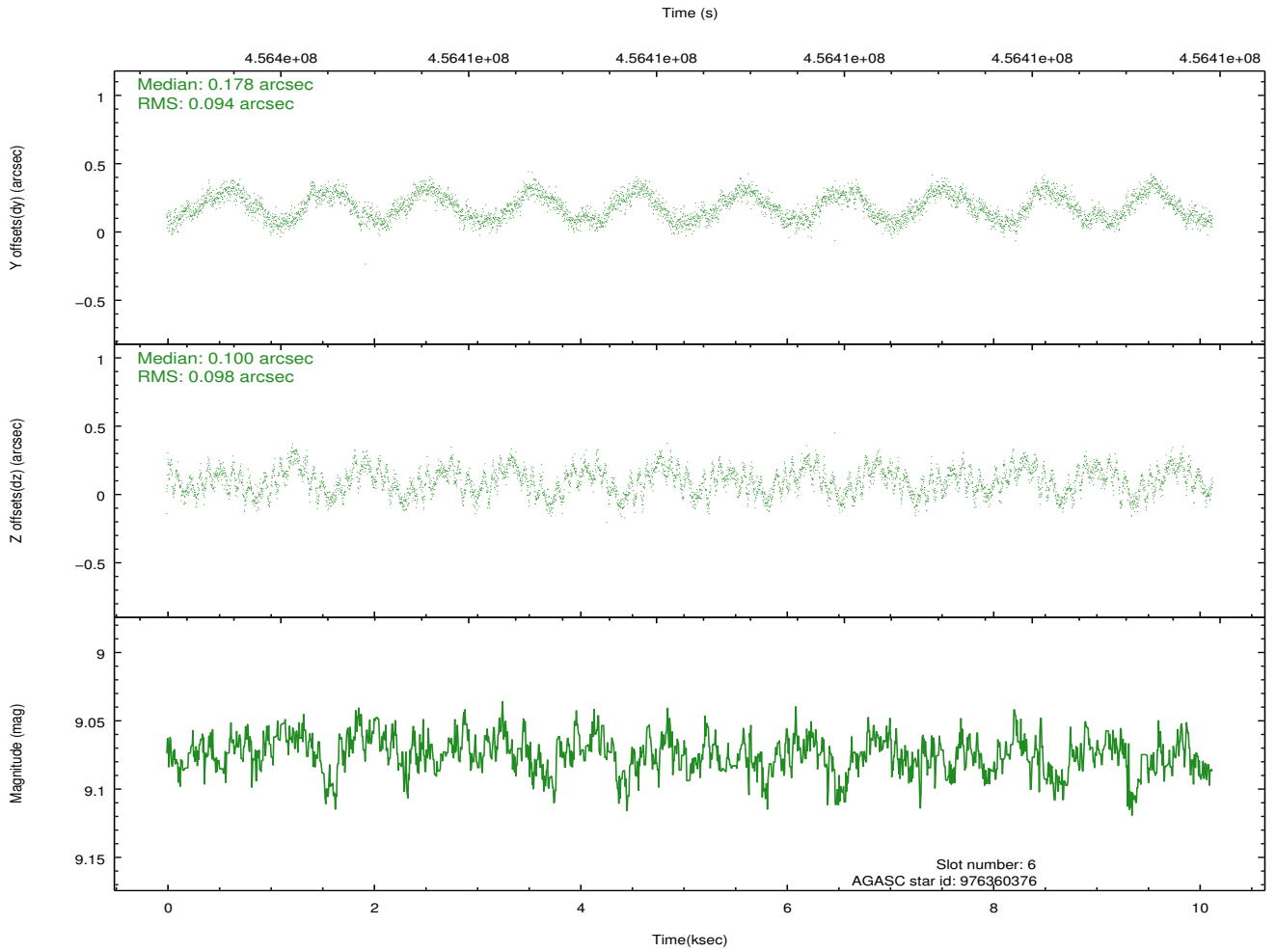
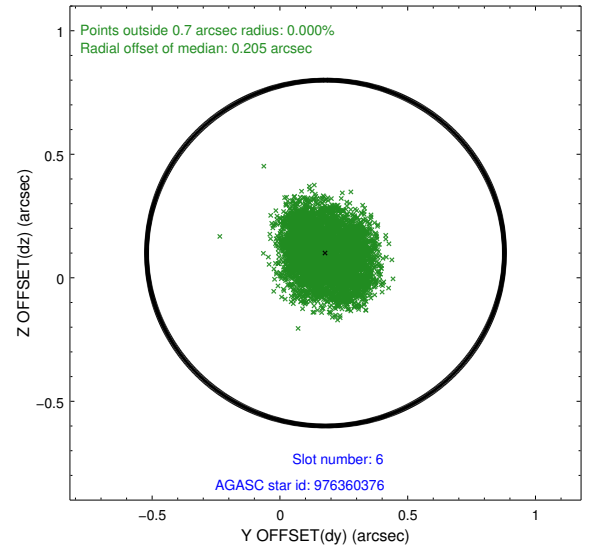
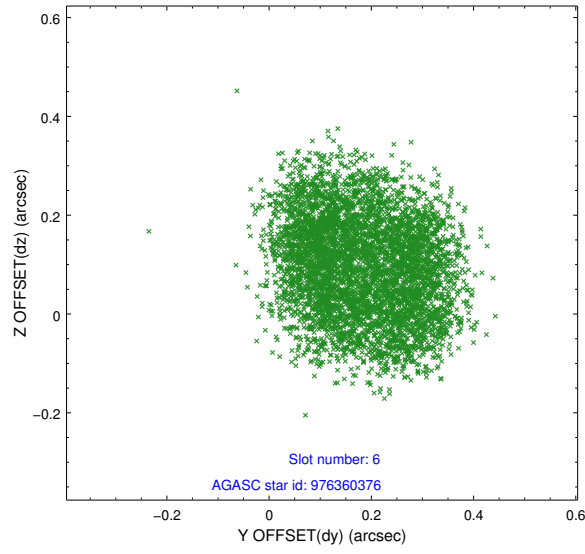
2.4.2 Slot 4



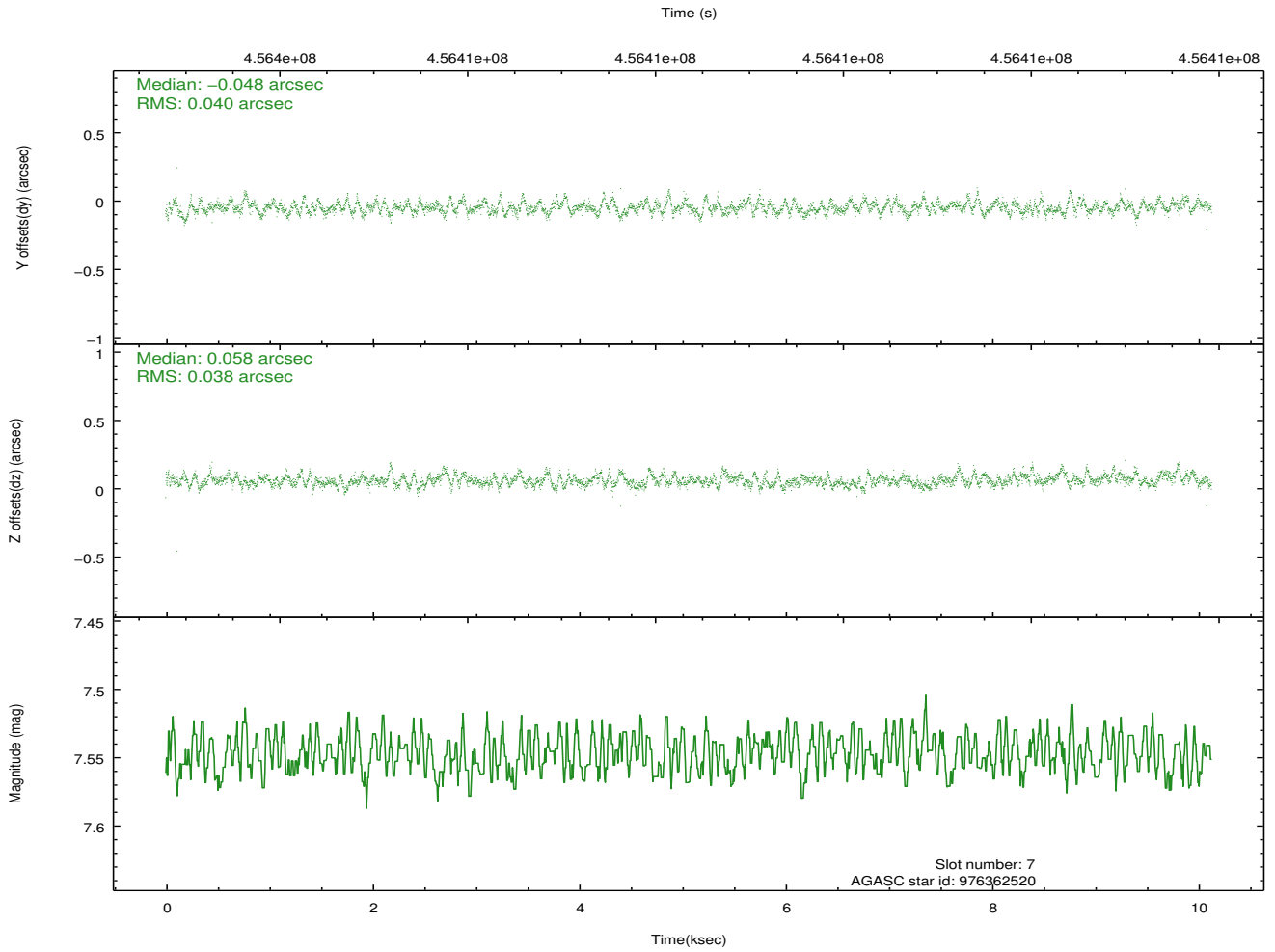
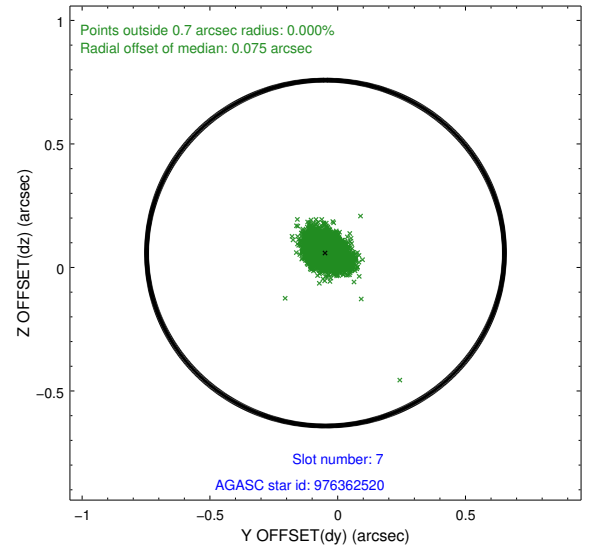
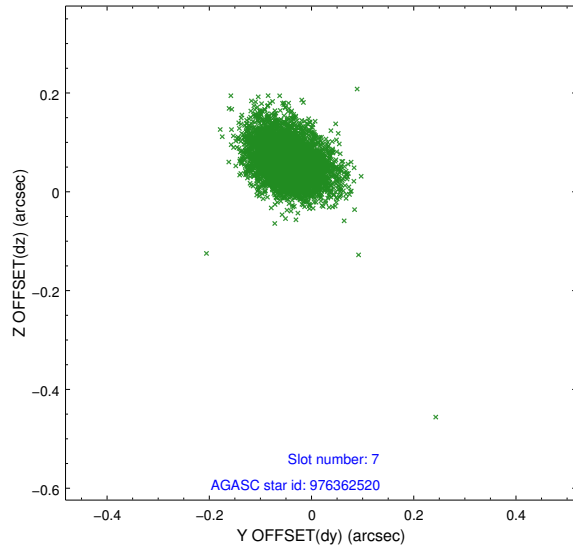
2.4.3 Slot 5



2.4.4 Slot 6

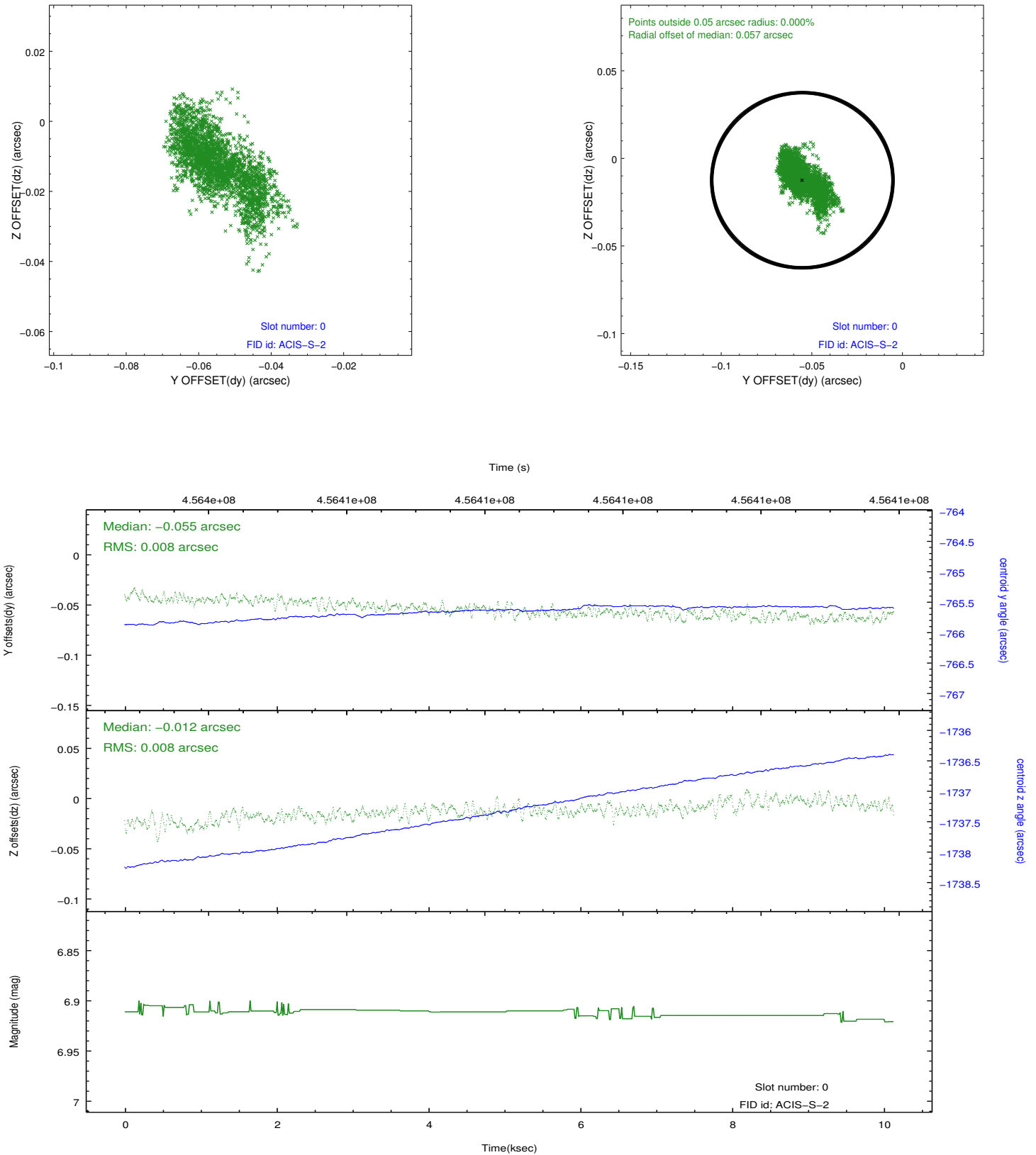


2.4.5 Slot 7

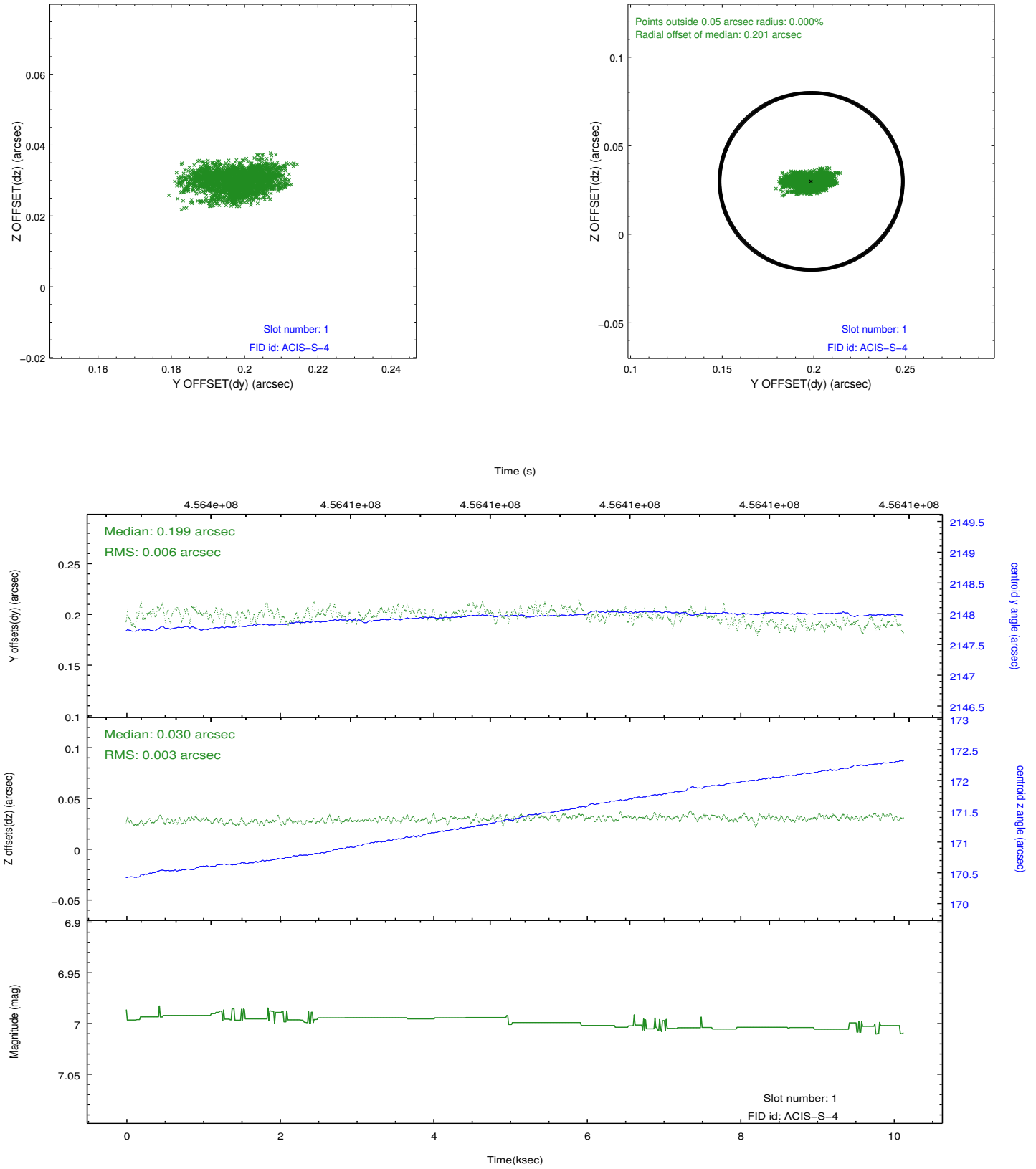


2.5 FID Slots

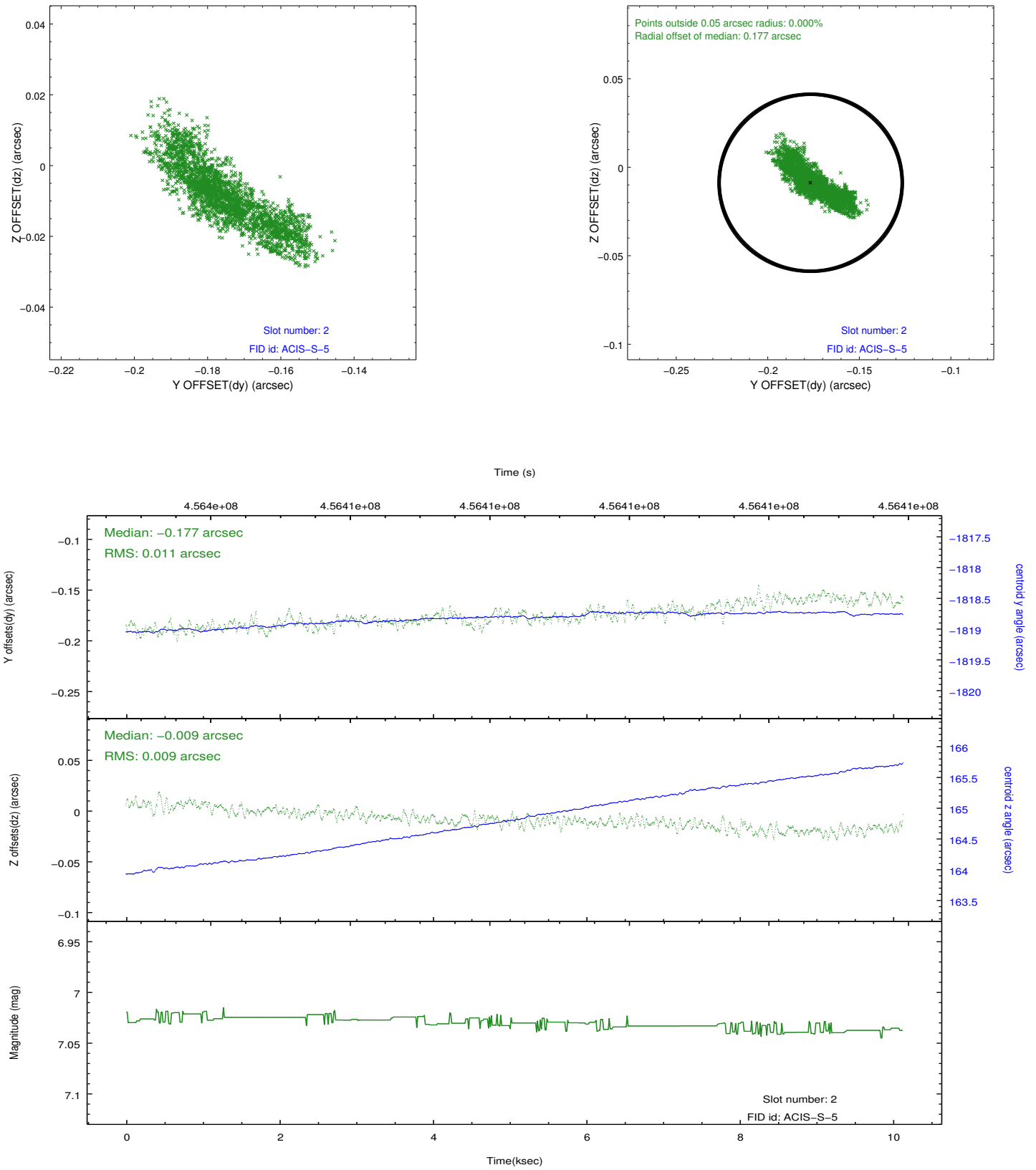
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.069199399829

A.2 Comments