

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4903 - L2 Version 3
Chandra X-Ray Center

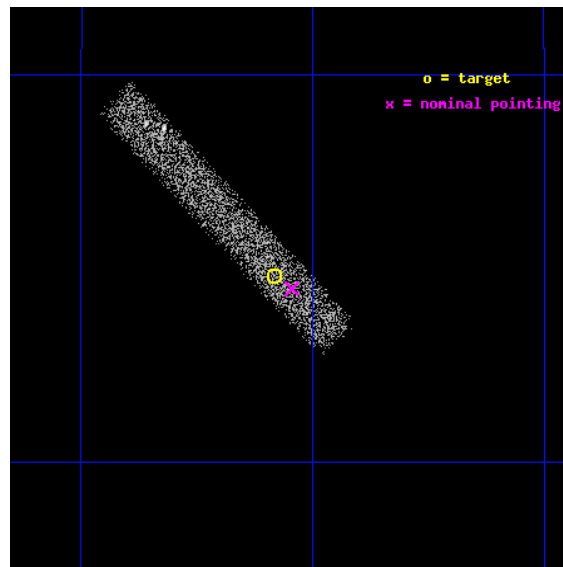
L2 Processing Date : Nov 11 2012

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1 Front

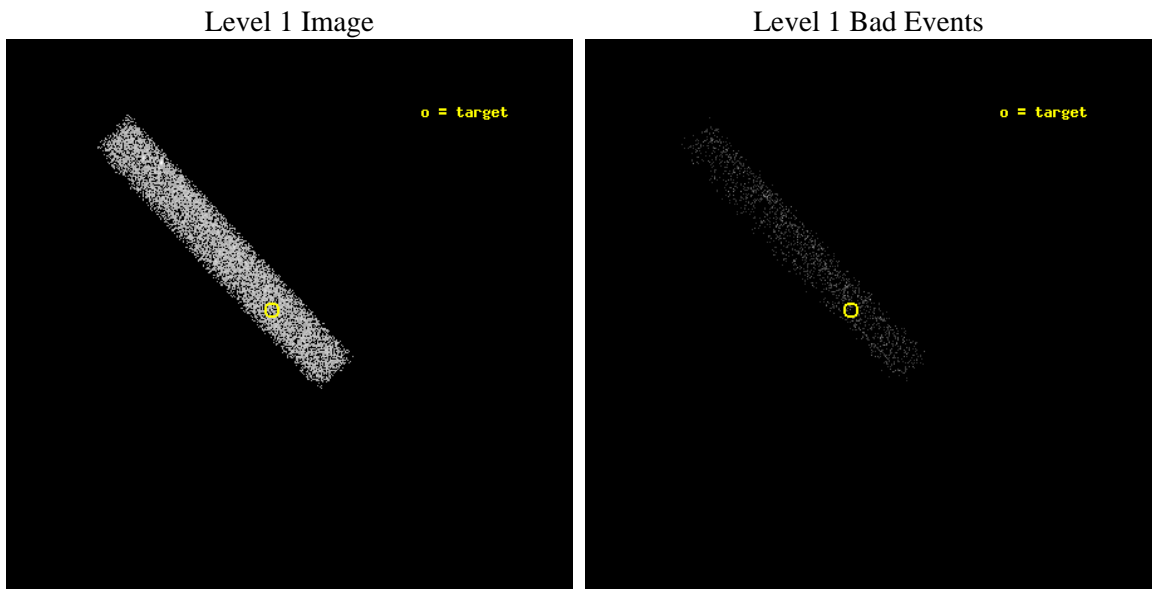
seq_num	700984	Sequence number
obs_id	4903	Observation id
title	The X-ray Spectra of Red Quasars	Proposal title
observer	Dr Mark Lacy	Principal investigator
object	FTM 0841+3604	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	130.270833	Observer's specified target RA [deg]
dec_targ	36.080583	Observer's specified target Dec [deg]
ra_nom	130.26126039303	Nominal RA [deg]
dec_nom	36.074772833569	Nominal Dec [deg]
roll_nom	226.9546183176	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10274.000153065	Sum of GTIs [s]
liveltime	9317.9758326363	Livetime [s]
ontime7	10274.000153065	Sum of GTIs [s]
l2events	5576	Number of level 2 events



2 OBI

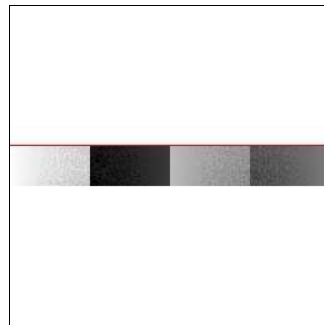
2.1 OBI

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	10274.000153065	Sum of GTIs [s]
caldbver	4.5.2	 	ontime7	10274.000153065	Sum of GTIs [s]
date	2012-11-12T00:46:25	Date and time of file creation	l1events	13502	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

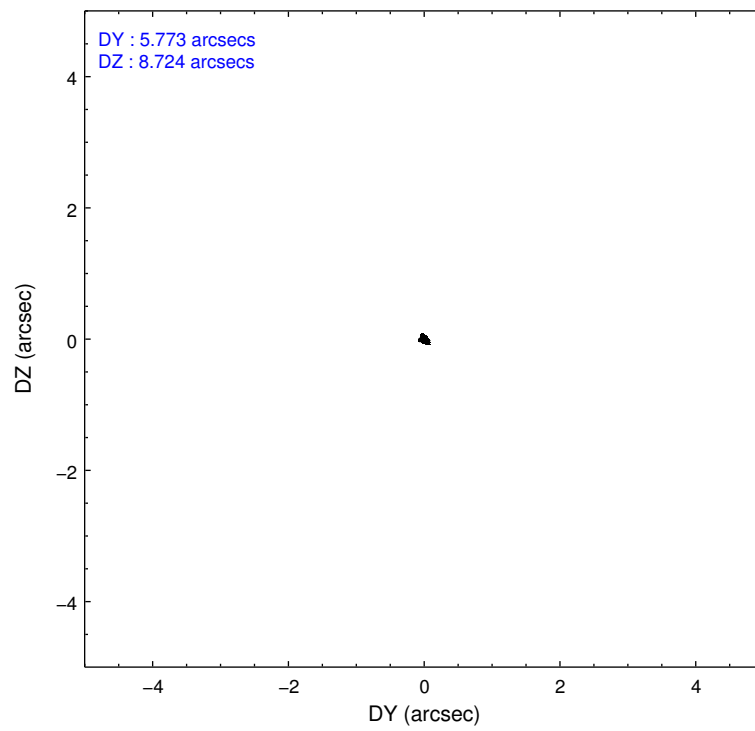
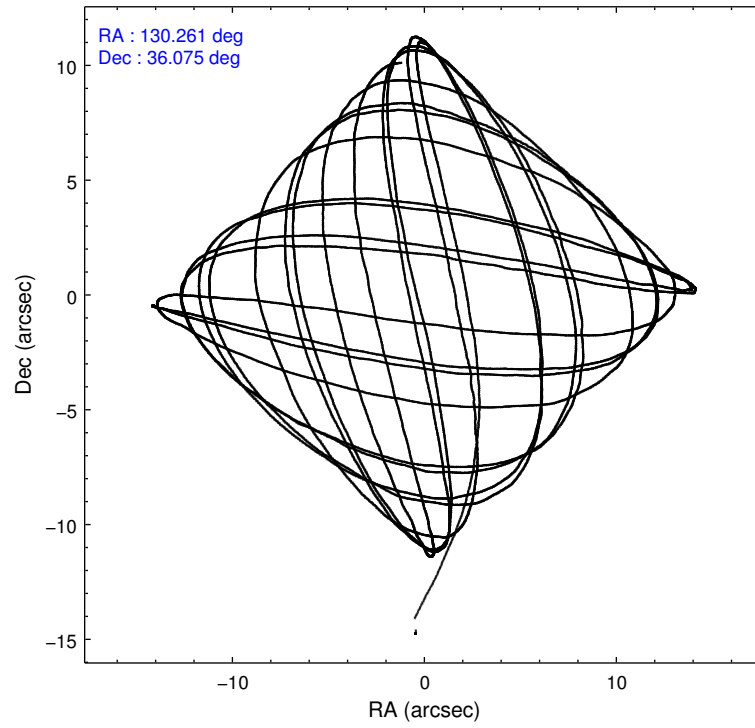
	ccd 7
level 1 events	13502
rejected events	7694
rejected %	56%

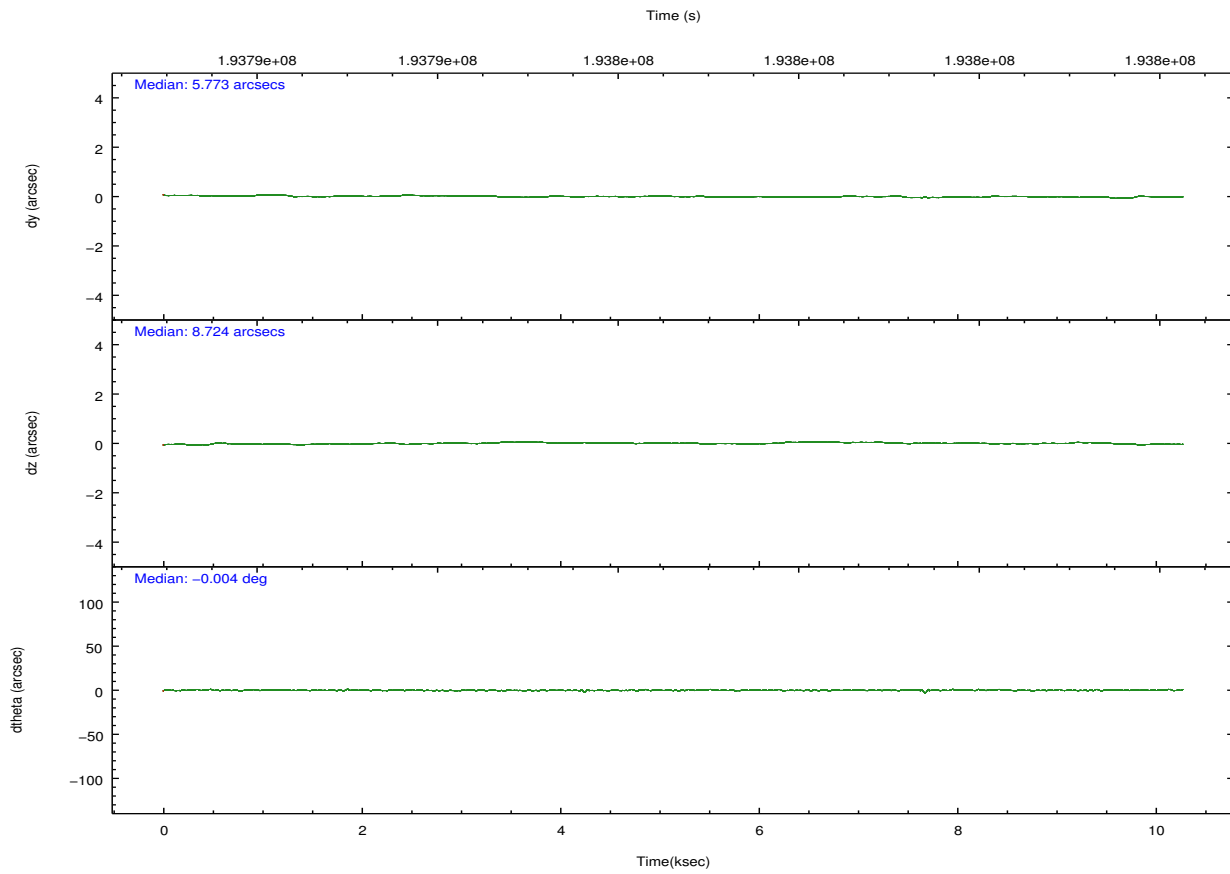
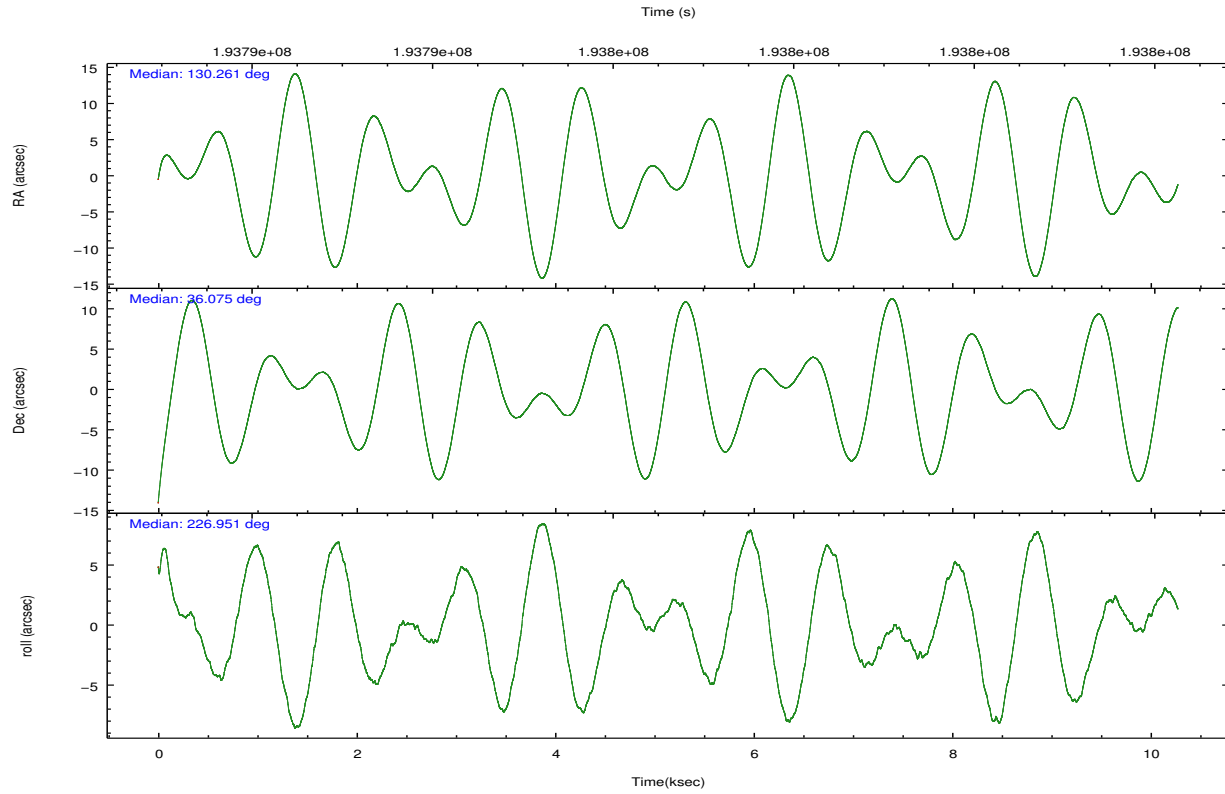
	ccd 7
grade 0 events	673
	4%
grade 1 events	12
	0%
grade 2 events	1236
	9%
grade 3 events	858
	6%
grade 4 events	799
	5%
grade 5 events	1185
	8%
grade 6 events	2798
	20%
grade 7 events	5941
	44%

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	130.268428	130.2612603930316	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	36.101389	36.07477283356913	Subarray start row	449	449
[deg] Pointing Roll	226.793771	226.9546183175987	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)	193791741.184000	193790737.00637			
Observation start date	2004-02-21T23:01:17	2004-02-21T22:45:37			
[s] Observation end time (MET)	193801741.184000	193802821.75689			
Observation end date	2004-02-22T01:47:57	2004-02-22T02:07:01			
Read mode	TIMED	TIMED			

2.3 Aspect



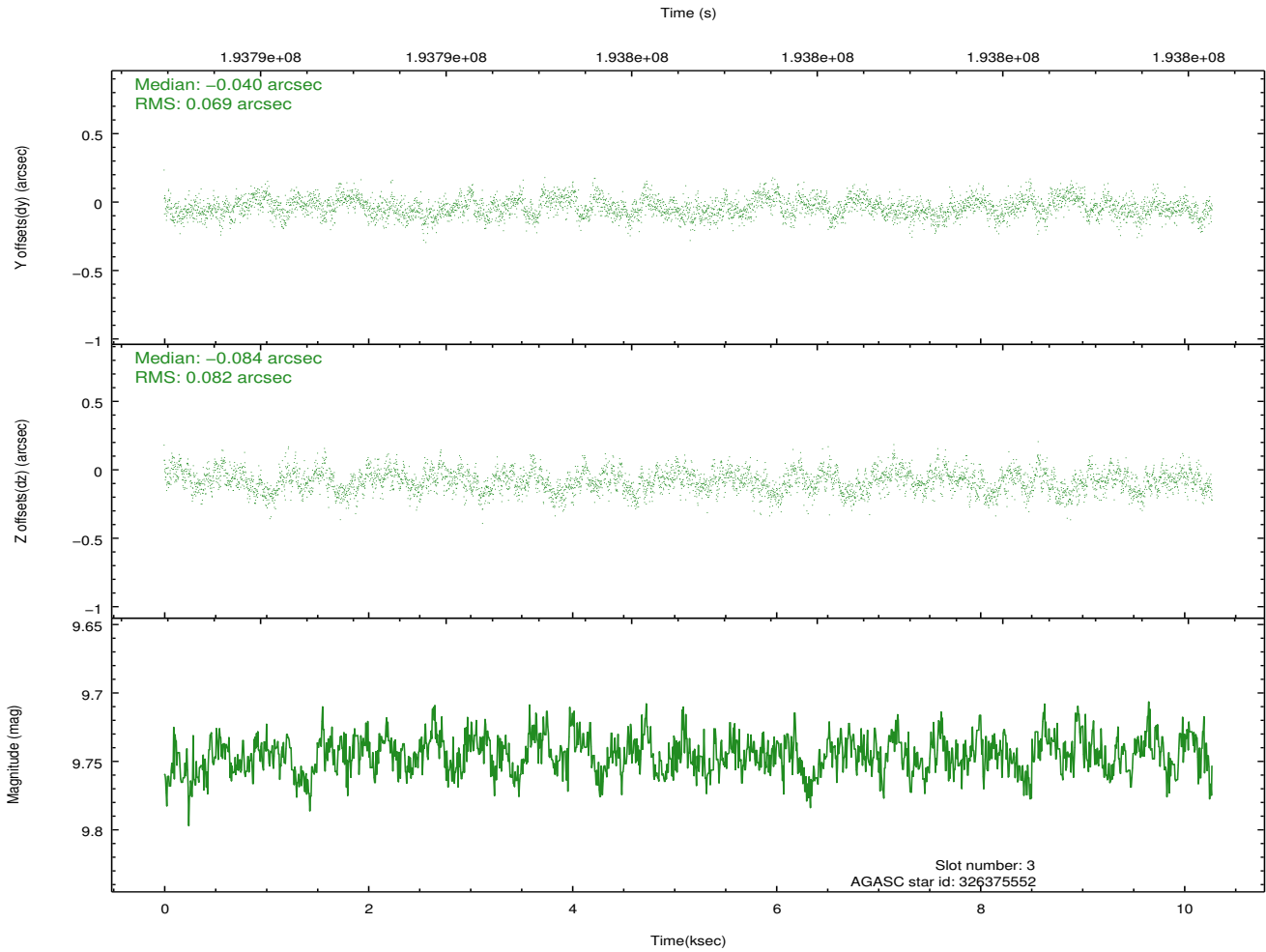
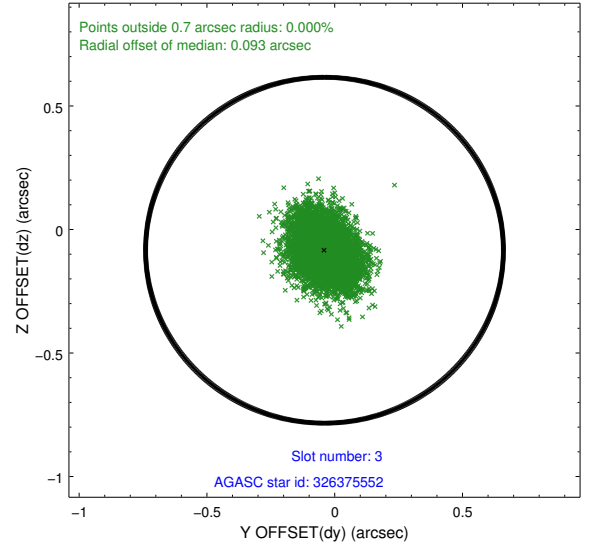
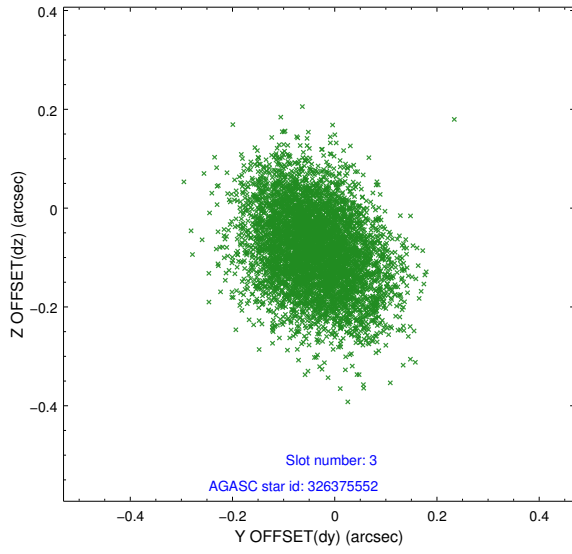


Slot Statistics

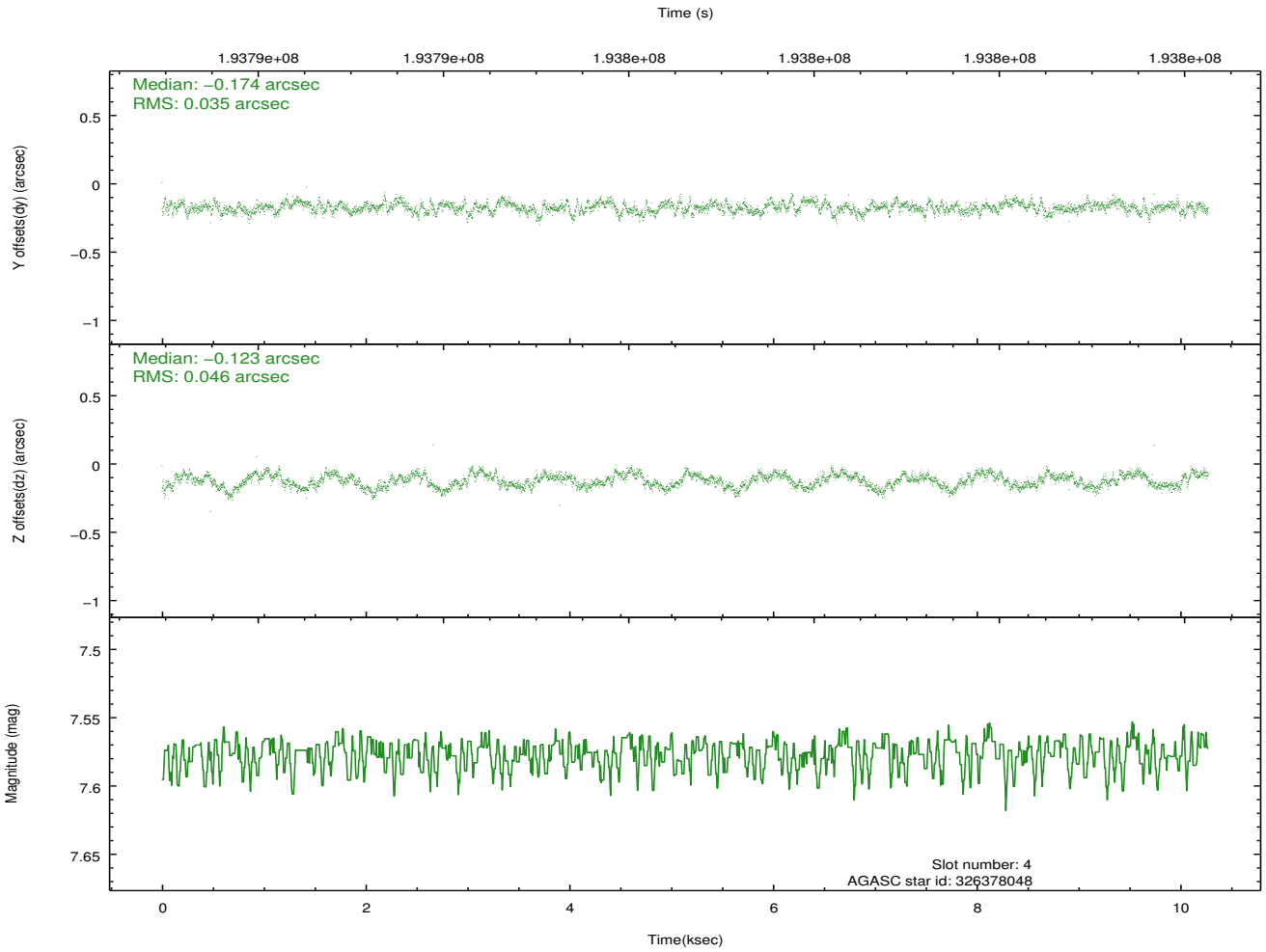
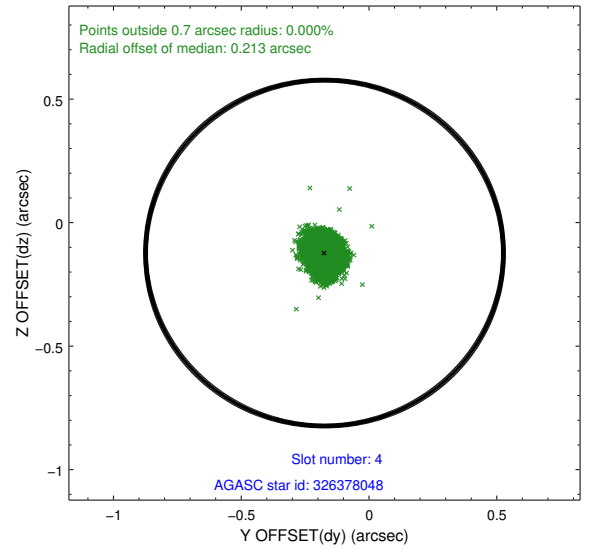
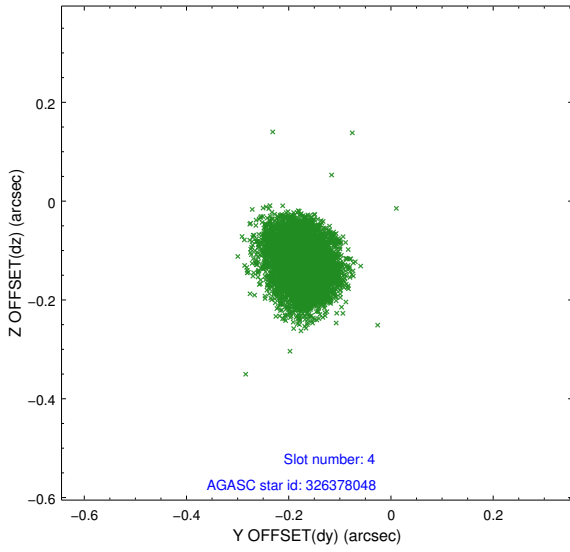
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	2507	-0.043	-0.042	0.007	0.011	0.000000	0.000000	-758.55	-1729.97
1	FID	ACIS-S-4	7.21	2507	0.078	0.032	0.006	0.010	0.000000	0.000000	2154.63	178.04
2	FID	ACIS-S-5	7.23	2506	-0.066	0.019	0.006	0.011	0.000000	0.000000	-1810.74	172.30
3	GUIDE	326375552	9.75	5009	-0.040	-0.084	0.114	0.185	129.714524	36.329110	499.26	-1735.11
4	GUIDE	326378048	7.58	5013	-0.174	-0.123	0.063	0.094	130.883616	36.348232	-1872.95	687.61
5	GUIDE	326378568	8.27	5008	0.099	0.104	0.066	0.106	130.277846	36.185317	-238.99	-186.42
6	GUIDE	326381952	8.83	5012	0.111	0.129	0.133	0.197	130.575418	36.508326	-1676.51	-355.99
7	GUIDE	326385480	7.83	5012	0.008	-0.020	0.092	0.130	129.863859	35.519781	2335.82	568.08

2.4 Star Slots

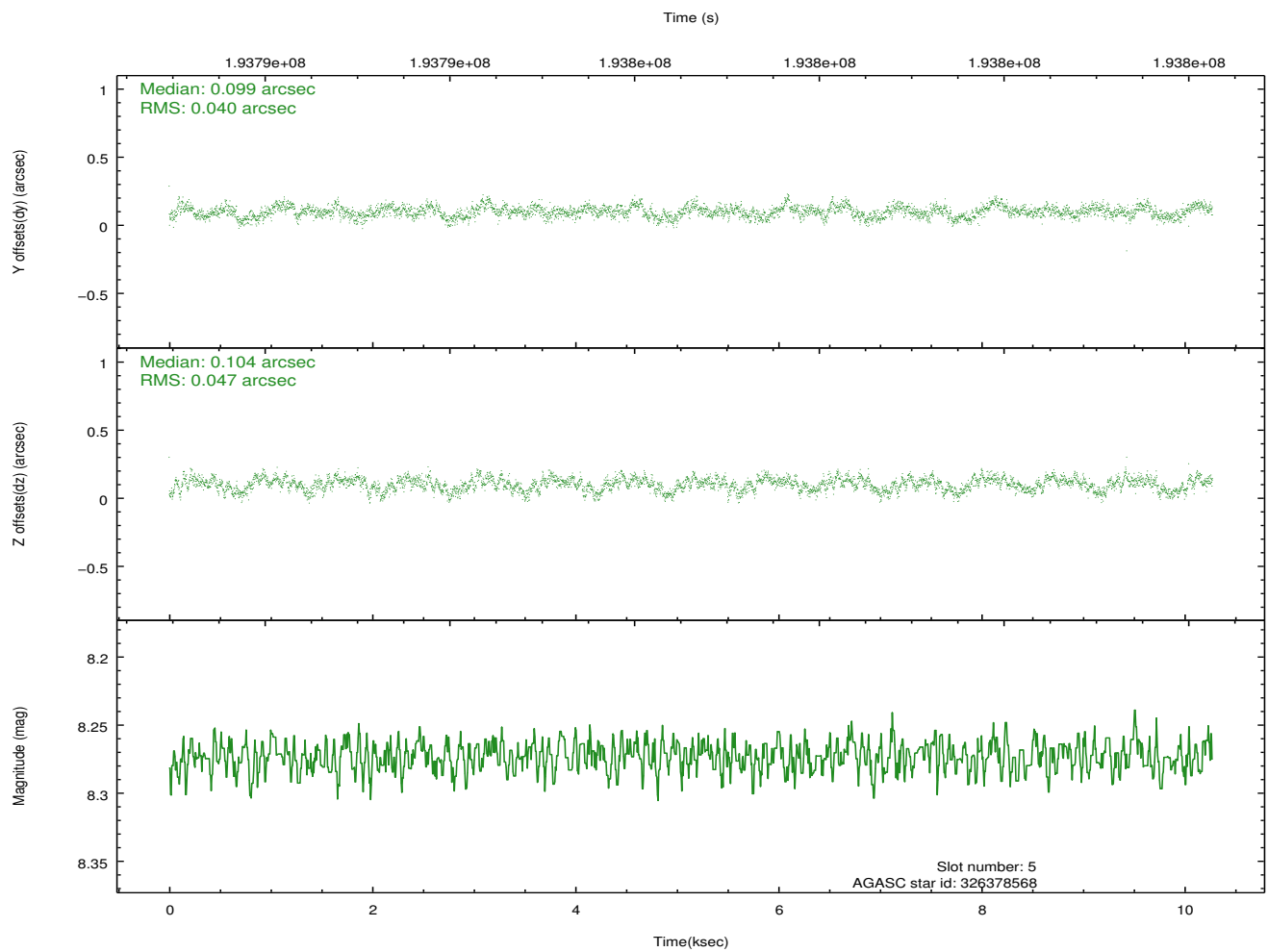
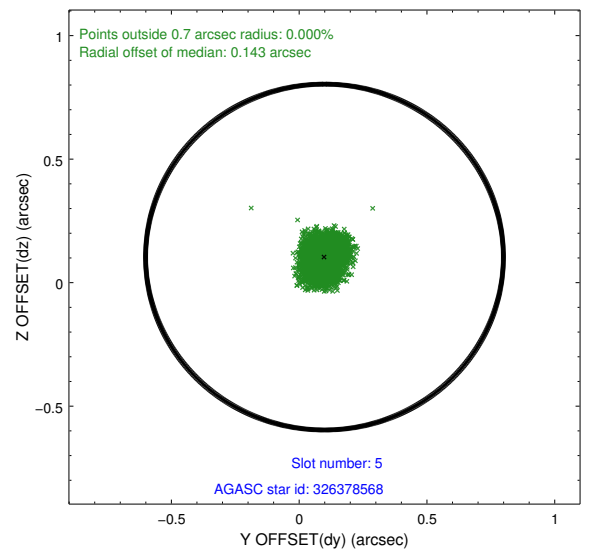
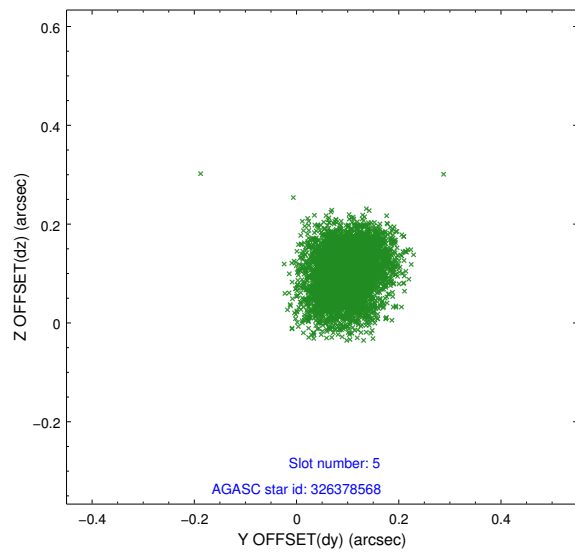
2.4.1 Slot 3



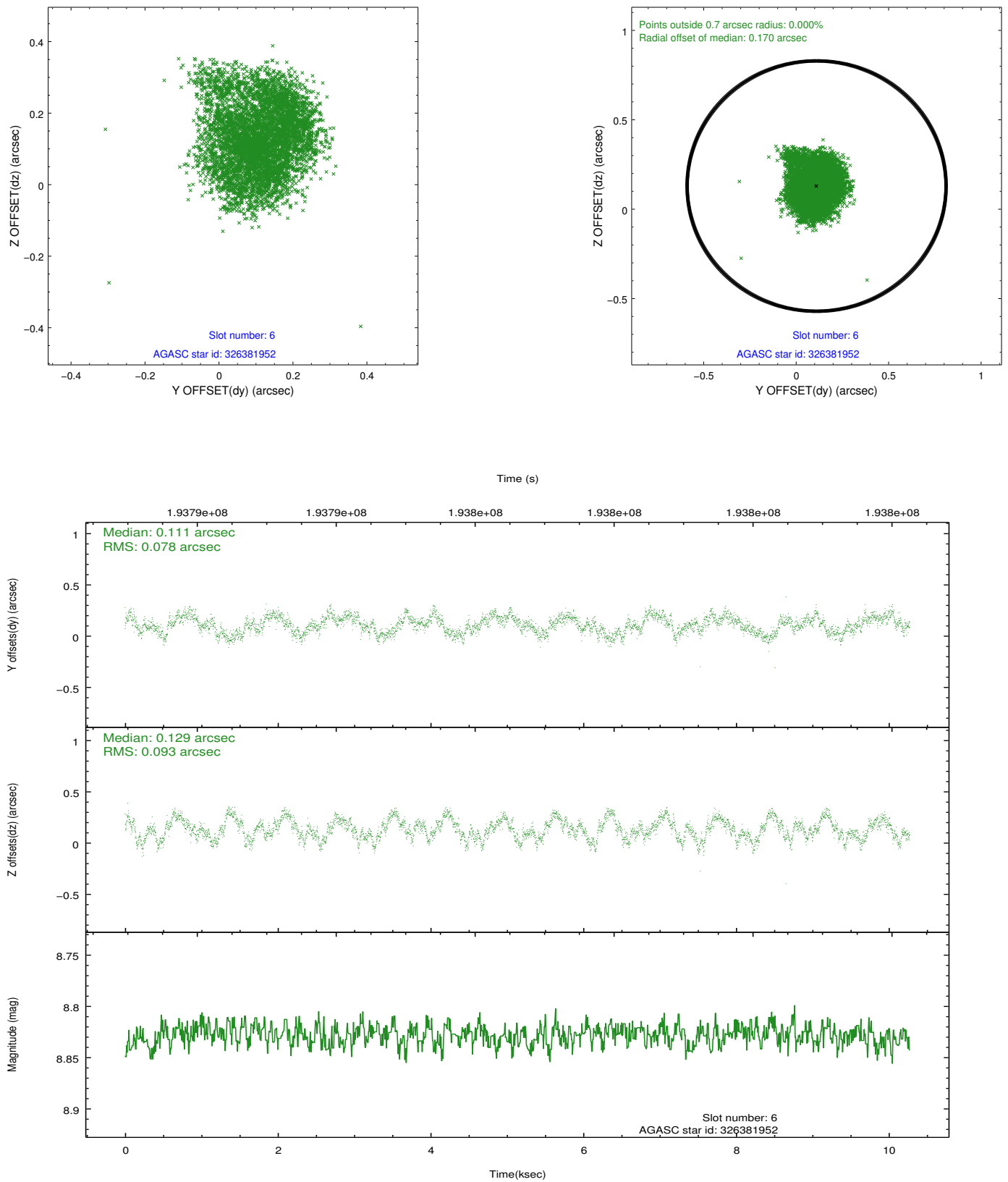
2.4.2 Slot 4



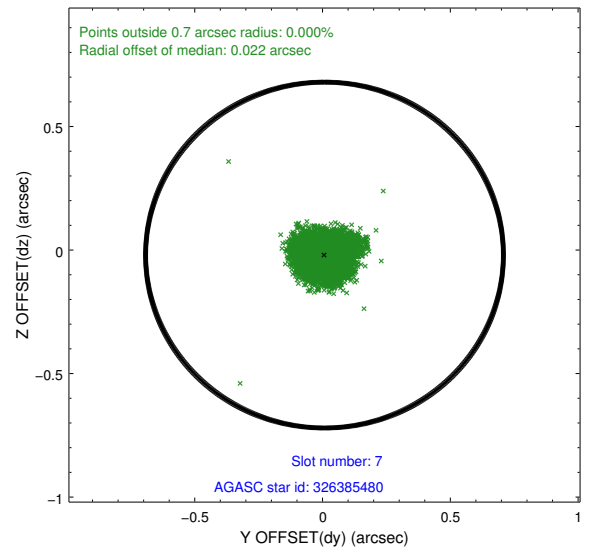
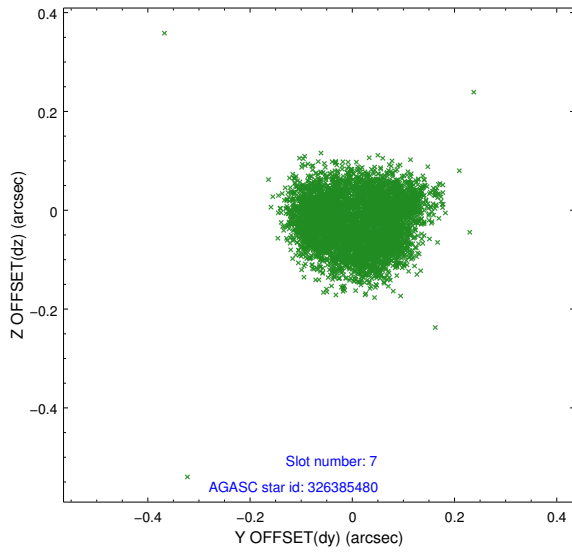
2.4.3 Slot 5



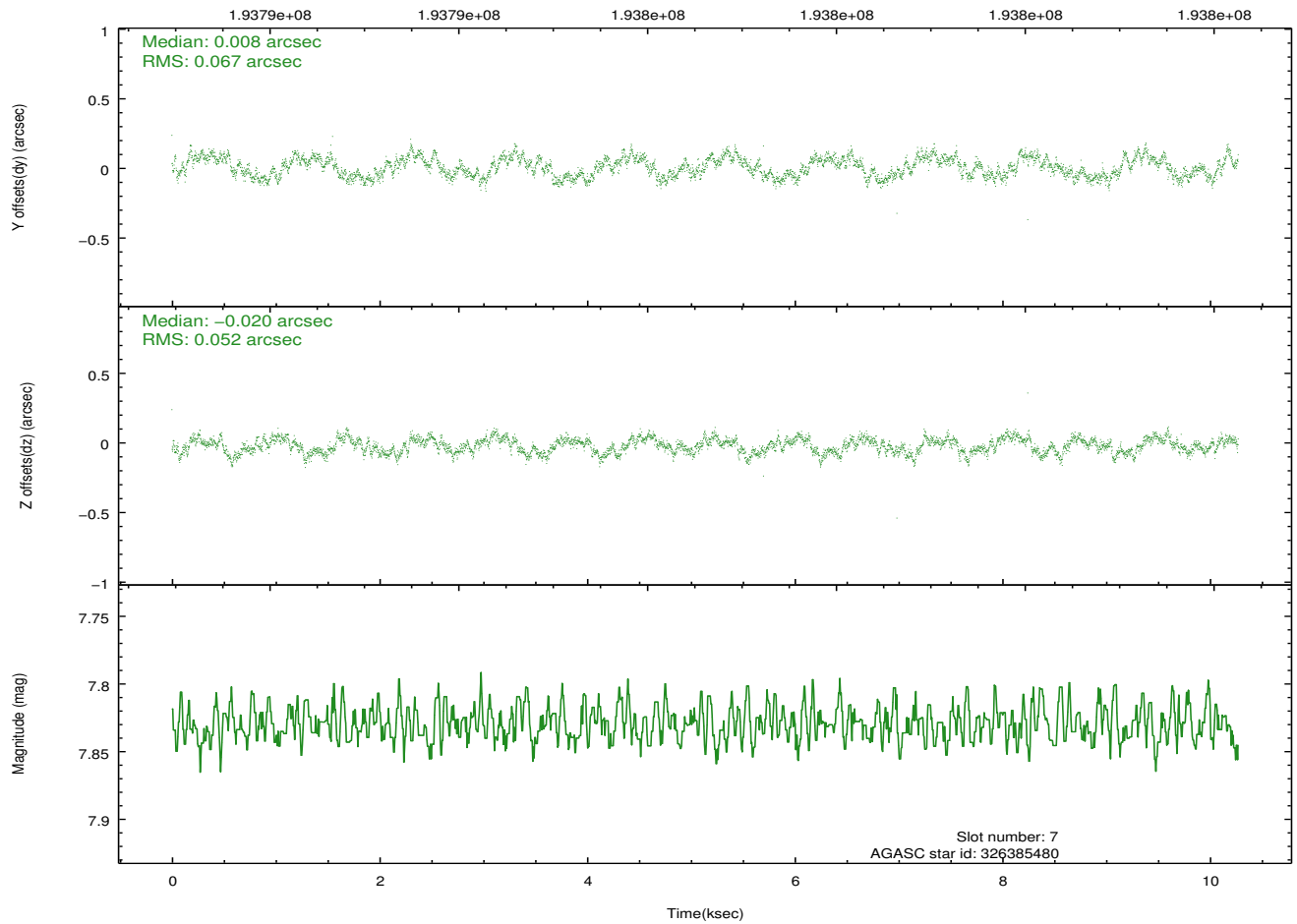
2.4.4 Slot 6



2.4.5 Slot 7

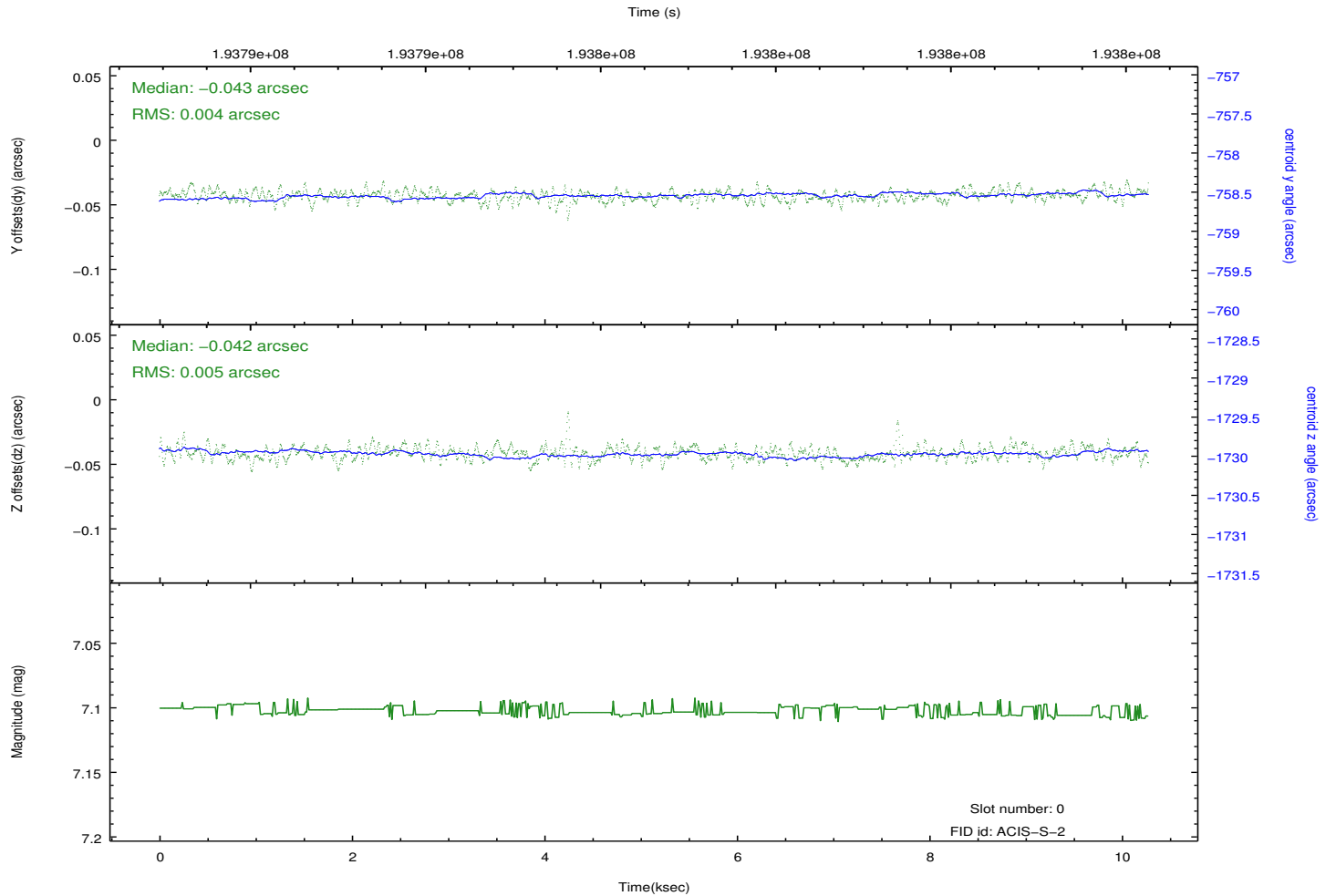
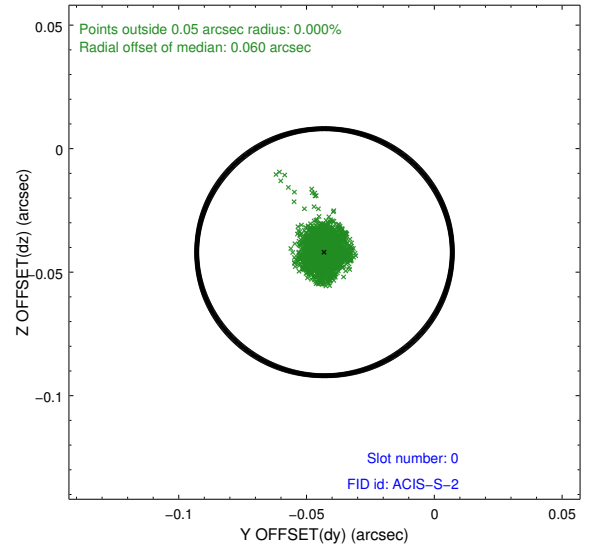
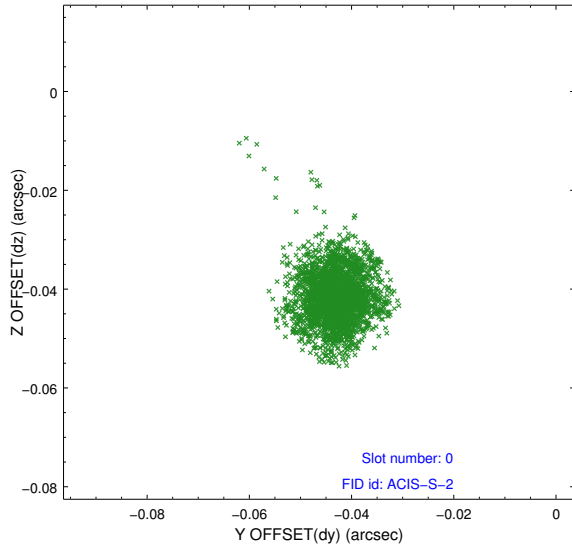


Time (s)

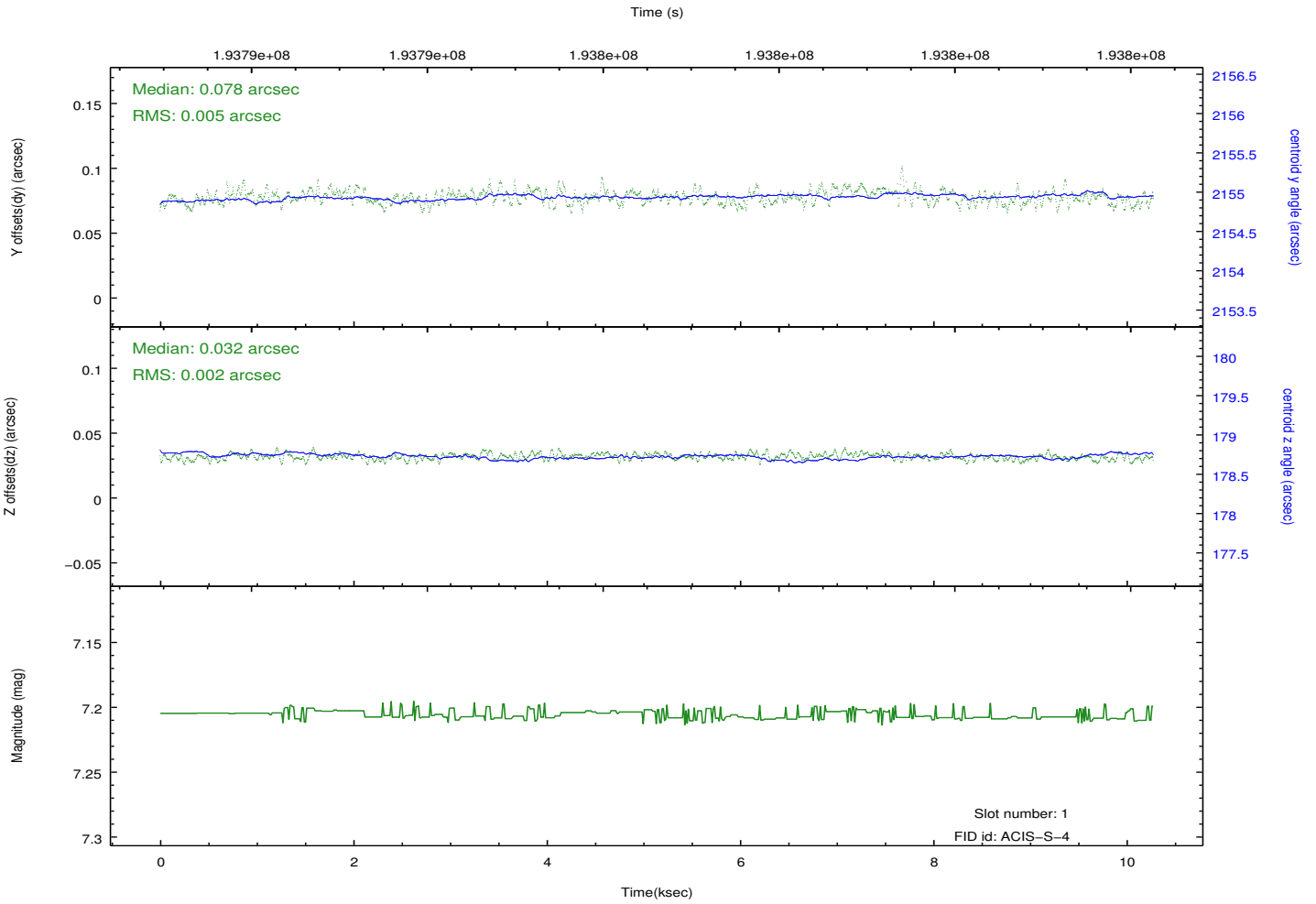
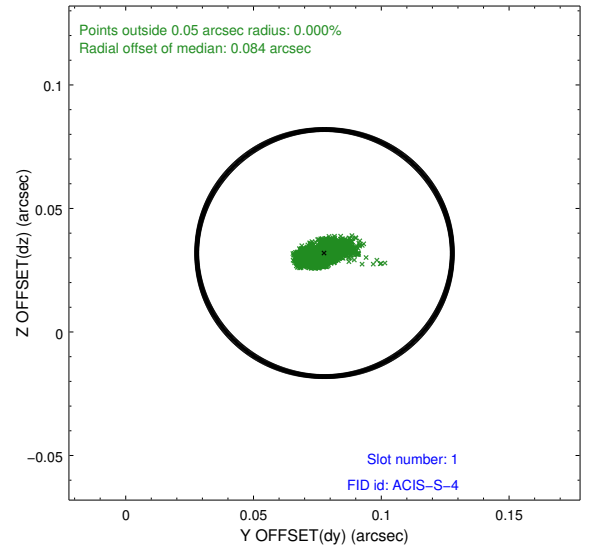
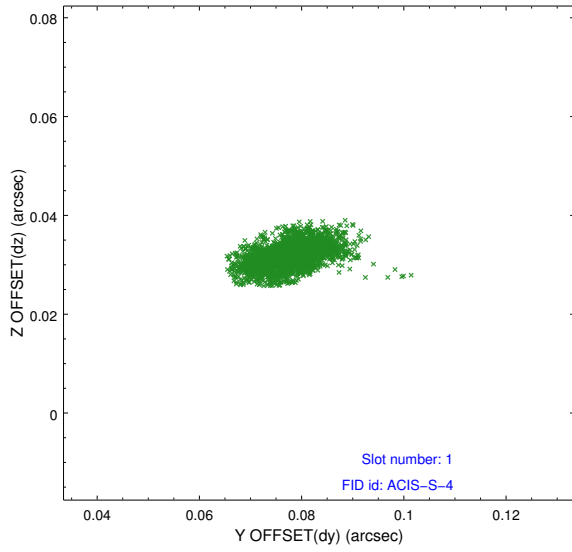


2.5 FID Slots

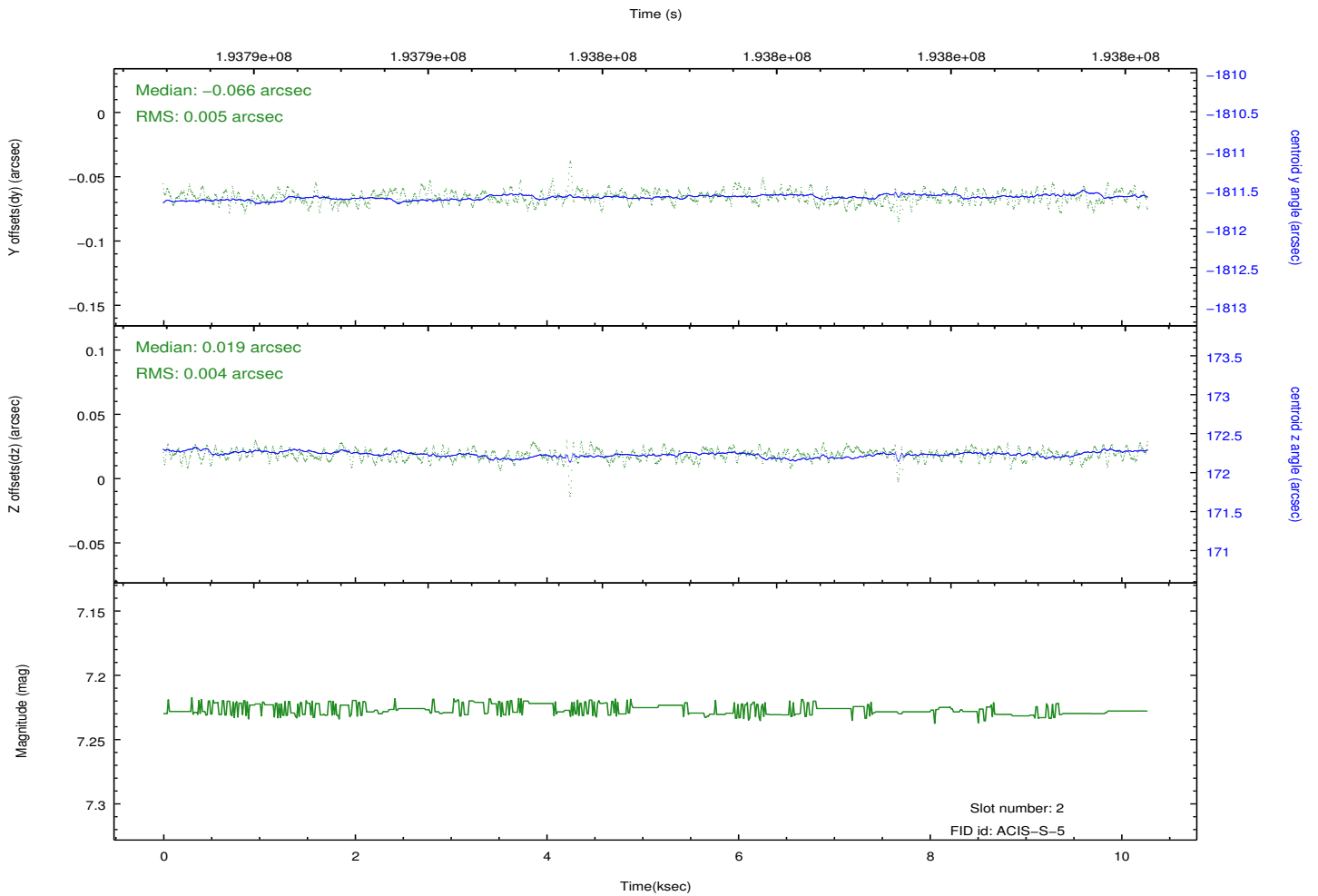
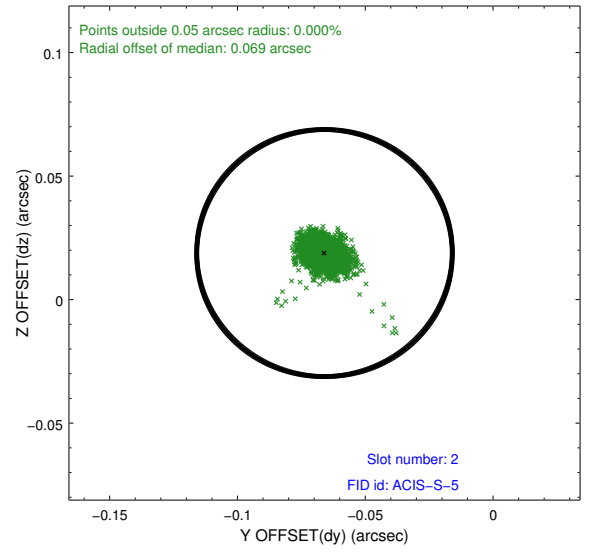
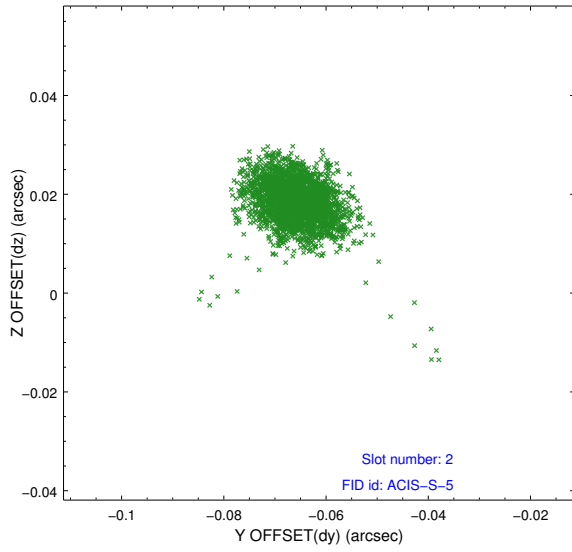
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.274

A.2 Comments