

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18829 - L2 Version 1
Chandra X-Ray Center

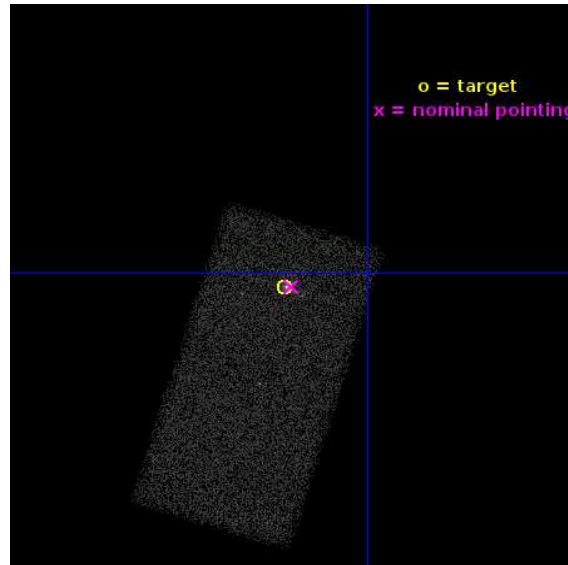
L2 Processing Date : Apr 27 2016

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1 Front

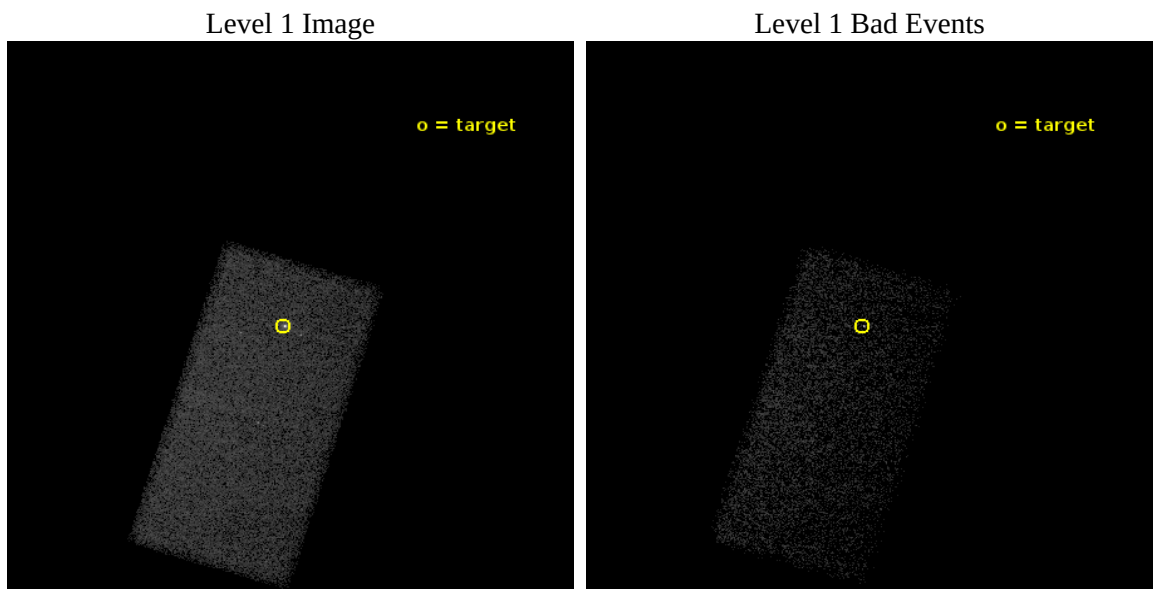
seq_num	703090	Sequence number
obs_id	18829	Observation id
title	Quasar and AGN Variability on 10-100 kyr Timescales	Proposal title
observer	Walter Maksym	Principal investigator
object	UGC 11185	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	274.04875	Observer's specified target RA [deg]
dec_targ	42.660361	Observer's specified target Dec [deg]
ra_nom	274.0450576831	Nominal RA [deg]
dec_nom	42.660365585438	Nominal Dec [deg]
roll_nom	107.15911351353	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20374.5	Sum of GTIs [s]
livetime	19831.899236879	Livetime [s]
ontime7	20374.5	Sum of GTIs [s]
l2events	42490	Number of level 2 events



2 OBI

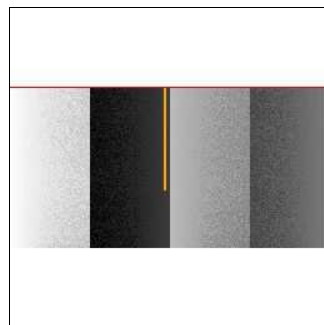
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20300.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	20374.5	Sum of GTIs [s]
caldsver	4.7.1	 	ontime7	20374.5	Sum of GTIs [s]
date	2016-04-27T19:14:30	Date and time of file creation	l1events	87907	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

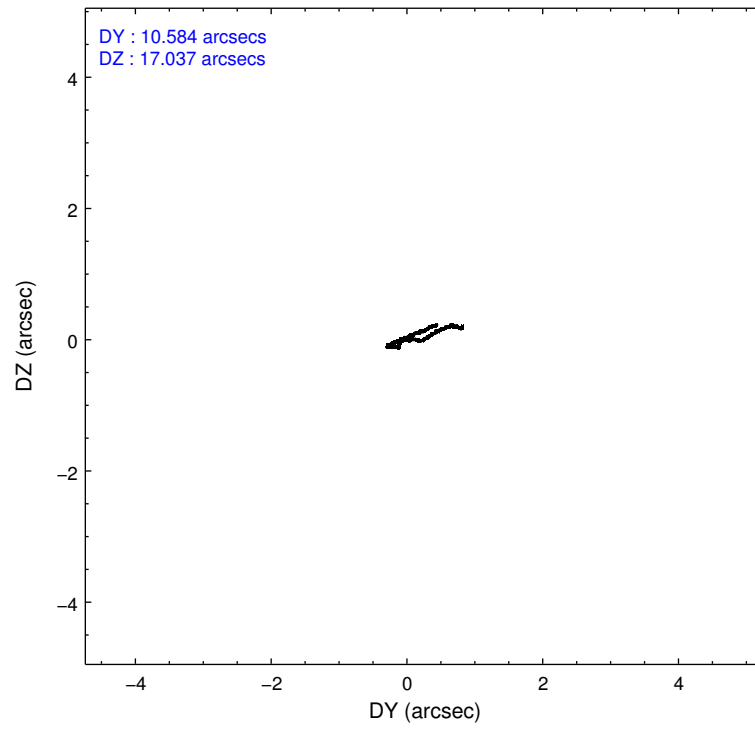
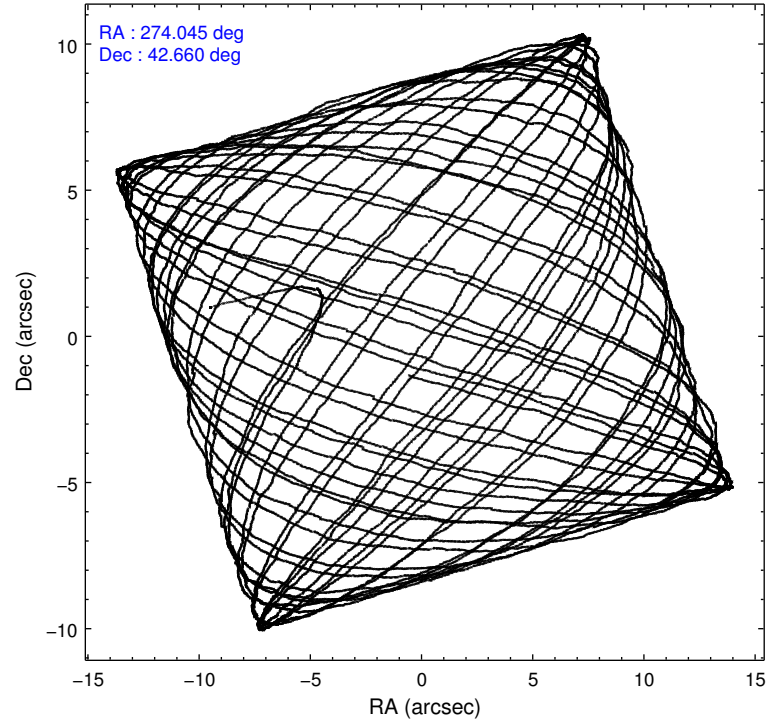
	ccd 7
level 1 events	87907
rejected events	44419
rejected %	50%

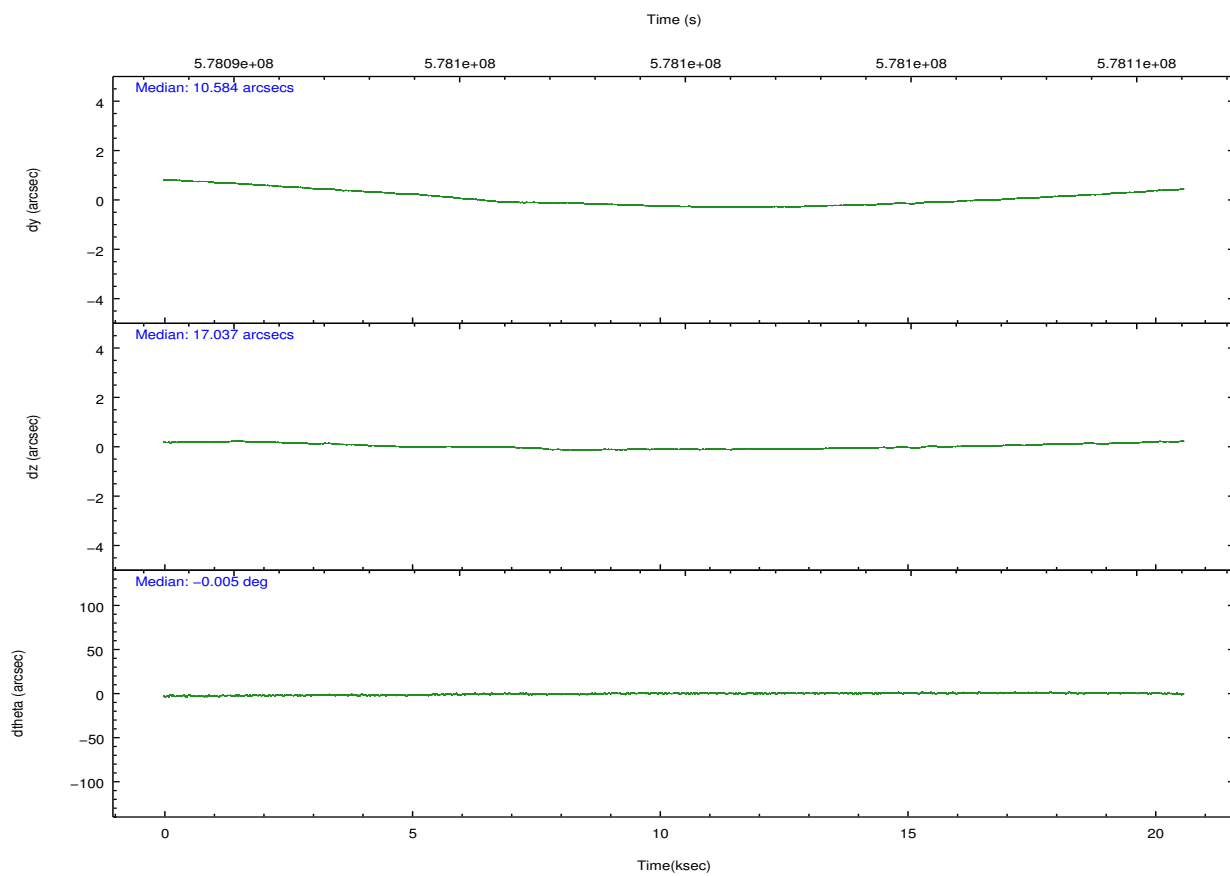
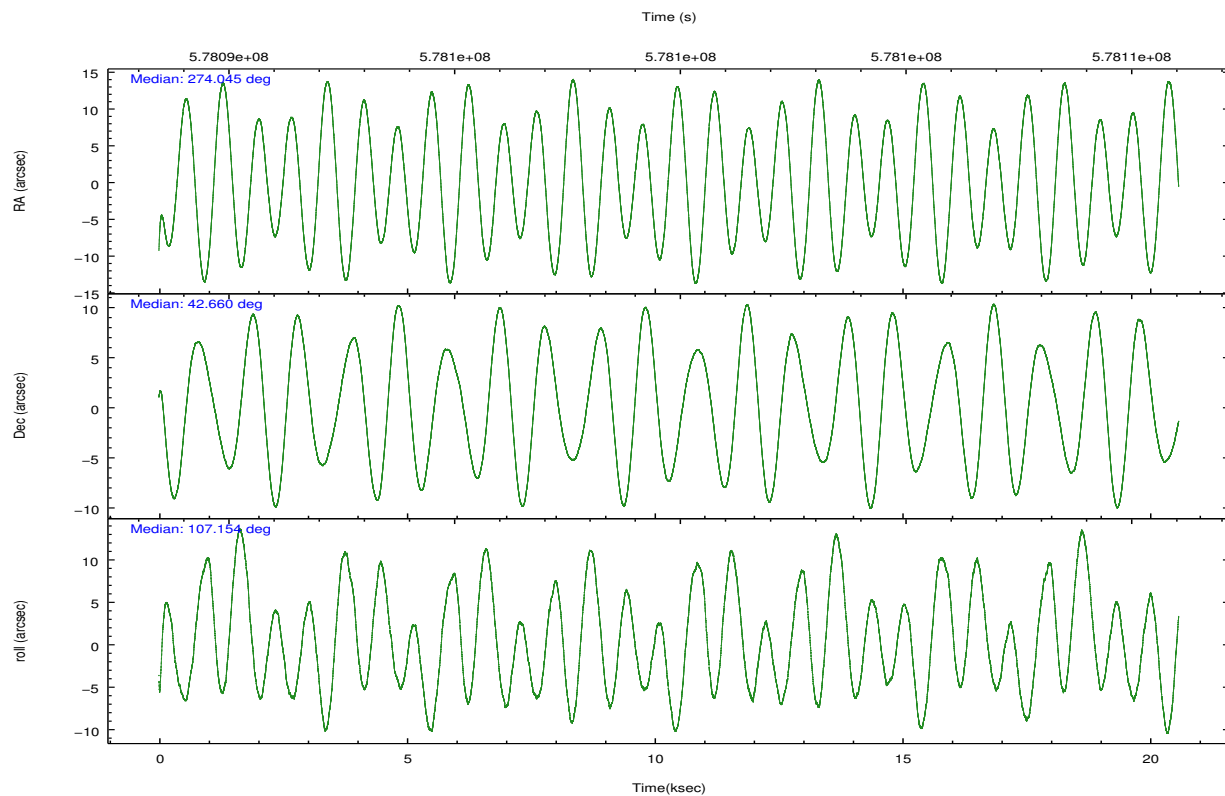
	ccd 7
grade 0 events	4697
	5%
grade 1 events	143
	0%
grade 2 events	9250
	10%
grade 3 events	4350
	4%
grade 4 events	4210
	4%
grade 5 events	8948
	10%
grade 6 events	20986
	23%
grade 7 events	35323
	40%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	274.072744	274.0450576831033	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	42.641998	42.66036558543804	Subarray start row	257	257
[deg] Pointing Roll	106.983744	107.1591135135349	Subarray row count	512	512
[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	1.5
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	578089736.184000	578088650.80046			
Observation start date	2016-04-26T20:27:48	2016-04-26T20:10:50			
[s] Observation end time (MET)	578110036.184000	578111118.28924			
Observation end date	2016-04-27T02:06:08	2016-04-27T02:25:18			
Read mode	TIMED	TIMED			

2.3 Aspect



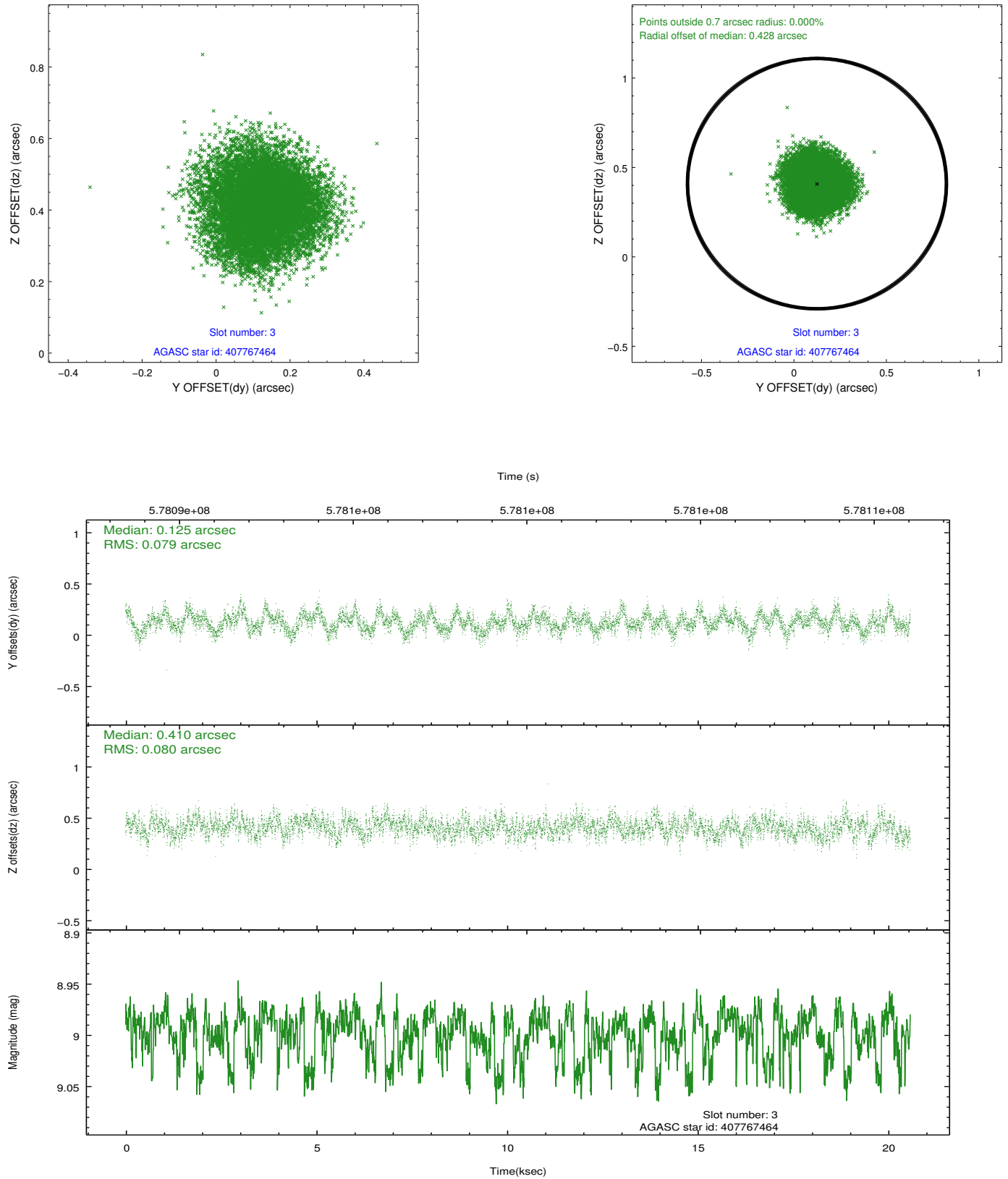


Slot Statistics

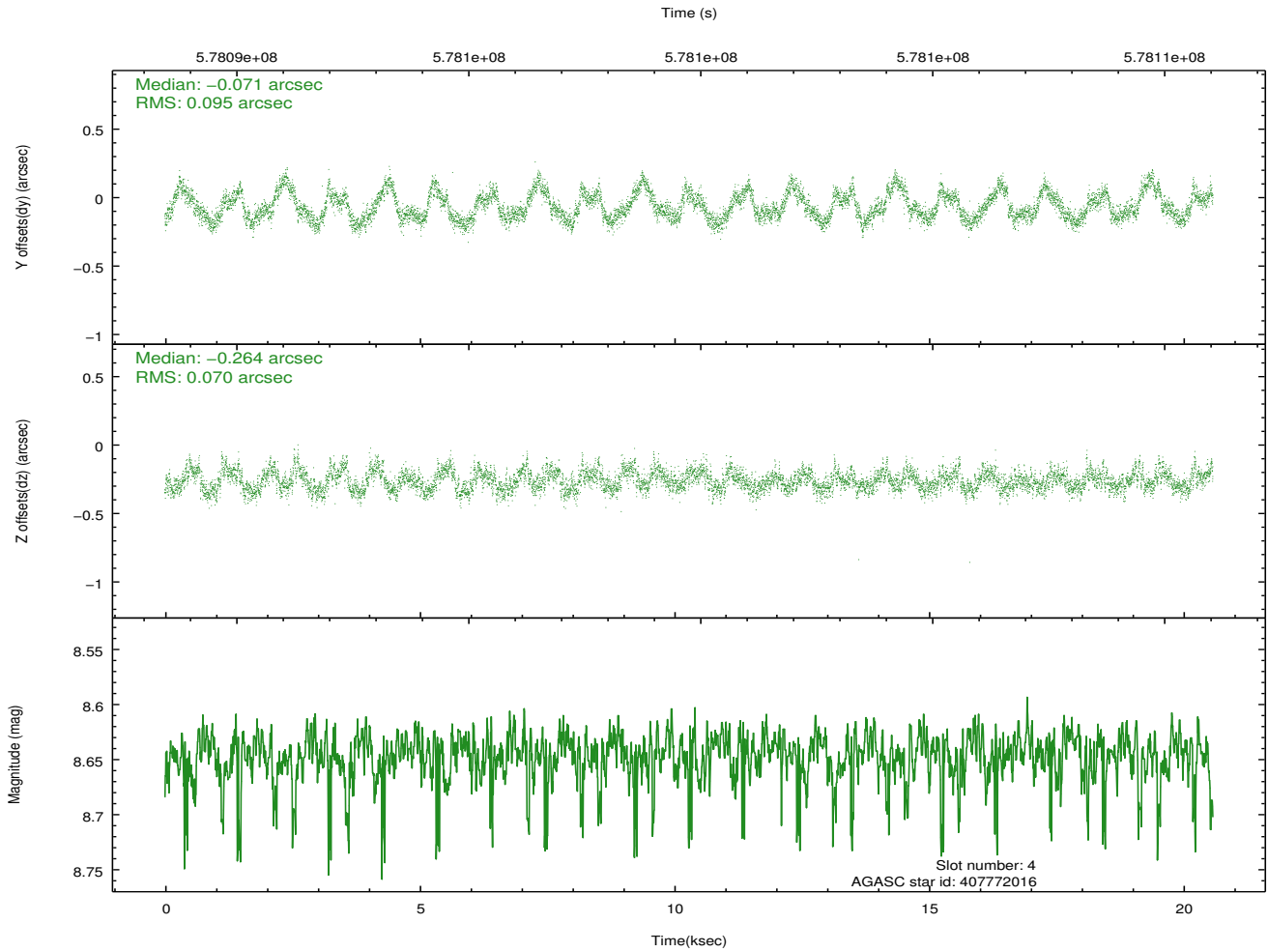
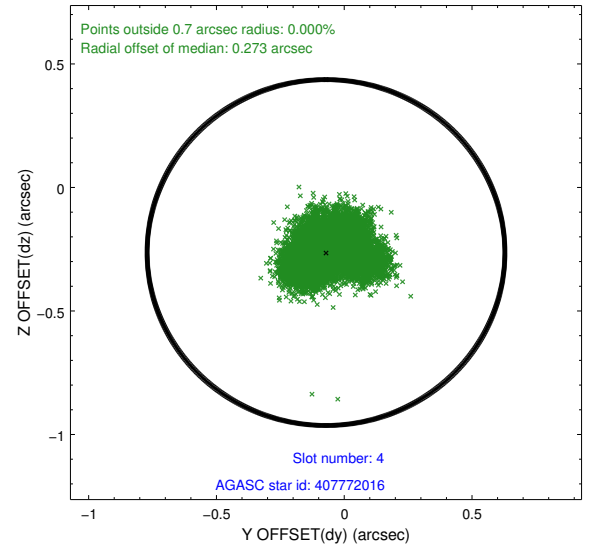
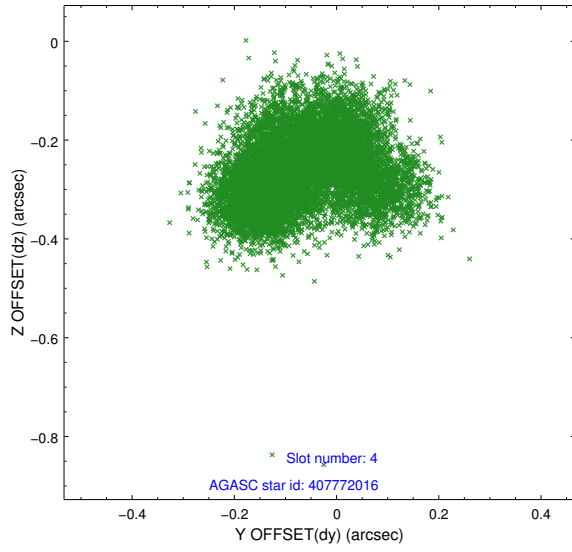
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.19	5020	0.120	-0.076	0.008	0.017	0.000000	0.000000	932.64	-1734.20
1	FID		ACIS-S-5	7.23	5020	-0.249	0.060	0.010	0.016	0.000000	0.000000	-1816.63	163.30
2	FID		ACIS-S-6	7.35	5020	0.108	0.028	0.013	0.021	0.000000	0.000000	397.98	807.43
3	GUIDE	used	407767464	9.00	10038	0.125	0.410	0.123	0.190	274.649672	42.564610	-707.88	-1382.55
4	GUIDE	used	407772016	8.65	10038	-0.071	-0.264	0.127	0.196	273.220954	42.803202	1223.11	1978.81
5	GUIDE	used	407772912	8.37	10039	-0.240	-0.107	0.128	0.188	273.424368	42.879417	1323.63	1384.76
6	GUIDE	used	407774368	8.32	10038	0.047	0.164	0.094	0.158	274.323554	42.803066	362.57	-802.66
7	GUIDE	used	407774552	9.36	10030	0.130	-0.201	0.104	0.176	273.443532	42.046443	-1552.93	2233.09

2.4 Star Slots

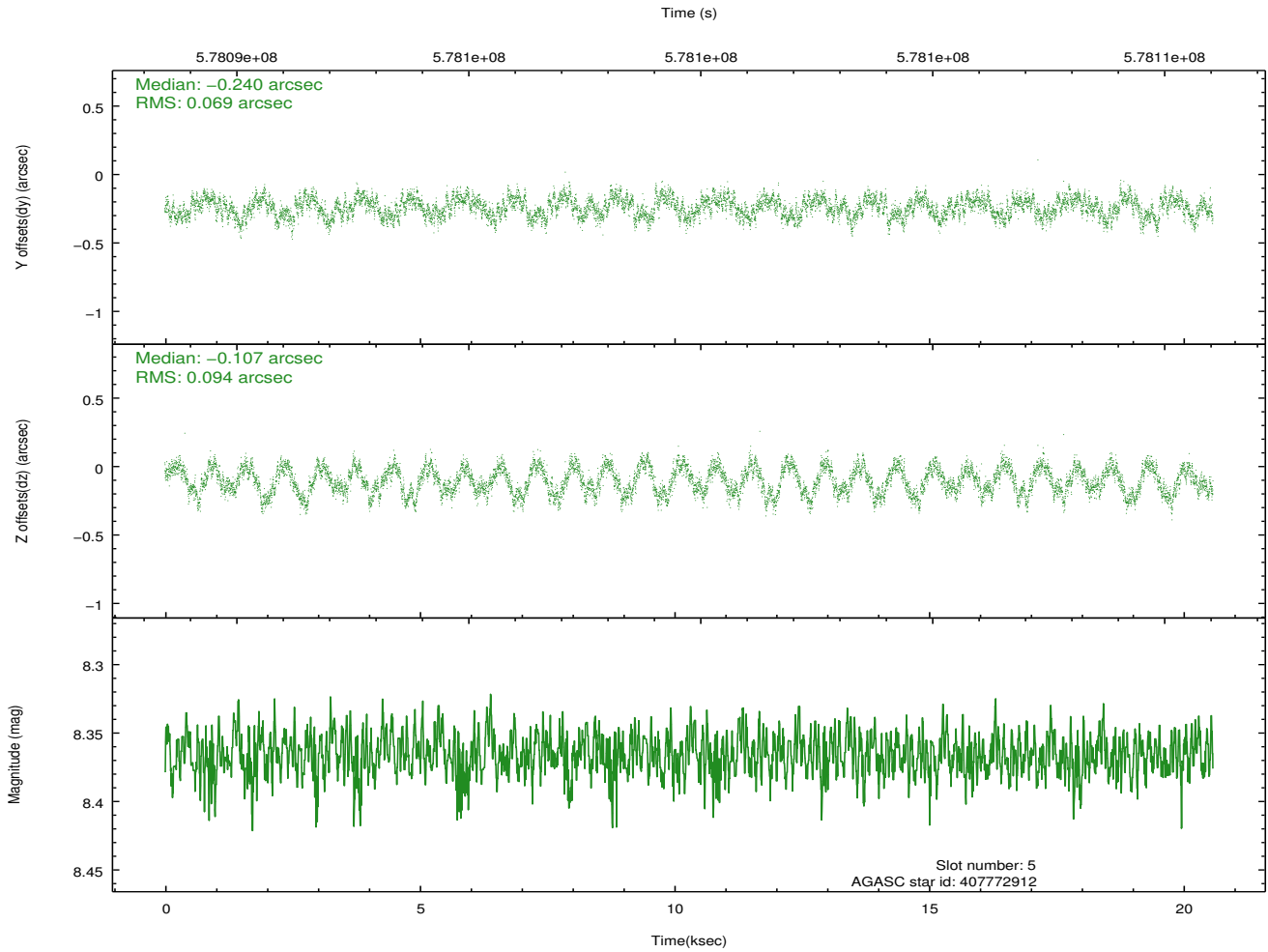
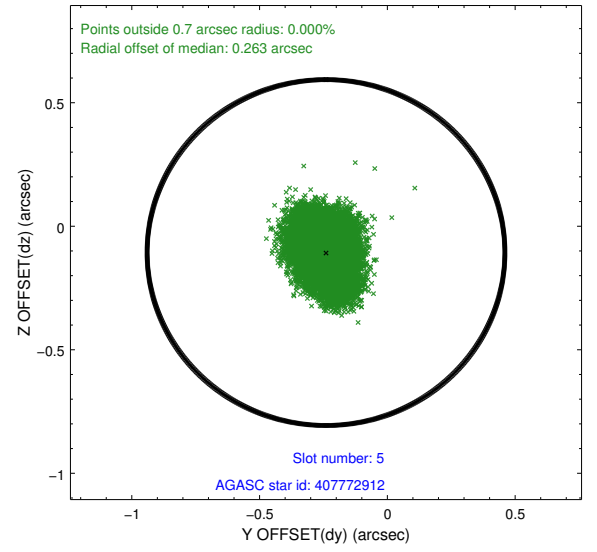
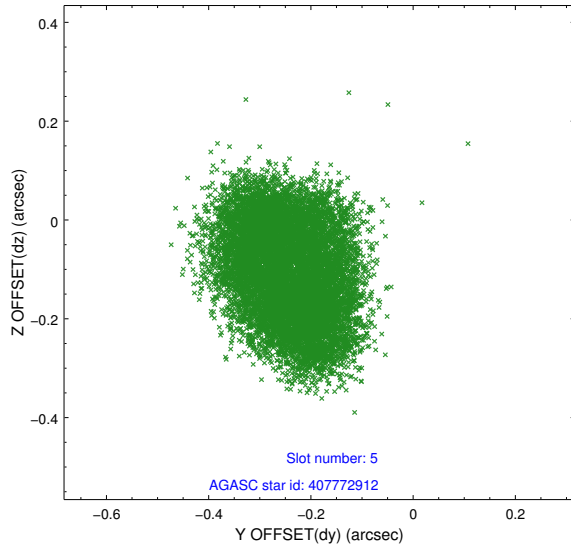
2.4.1 Slot 3



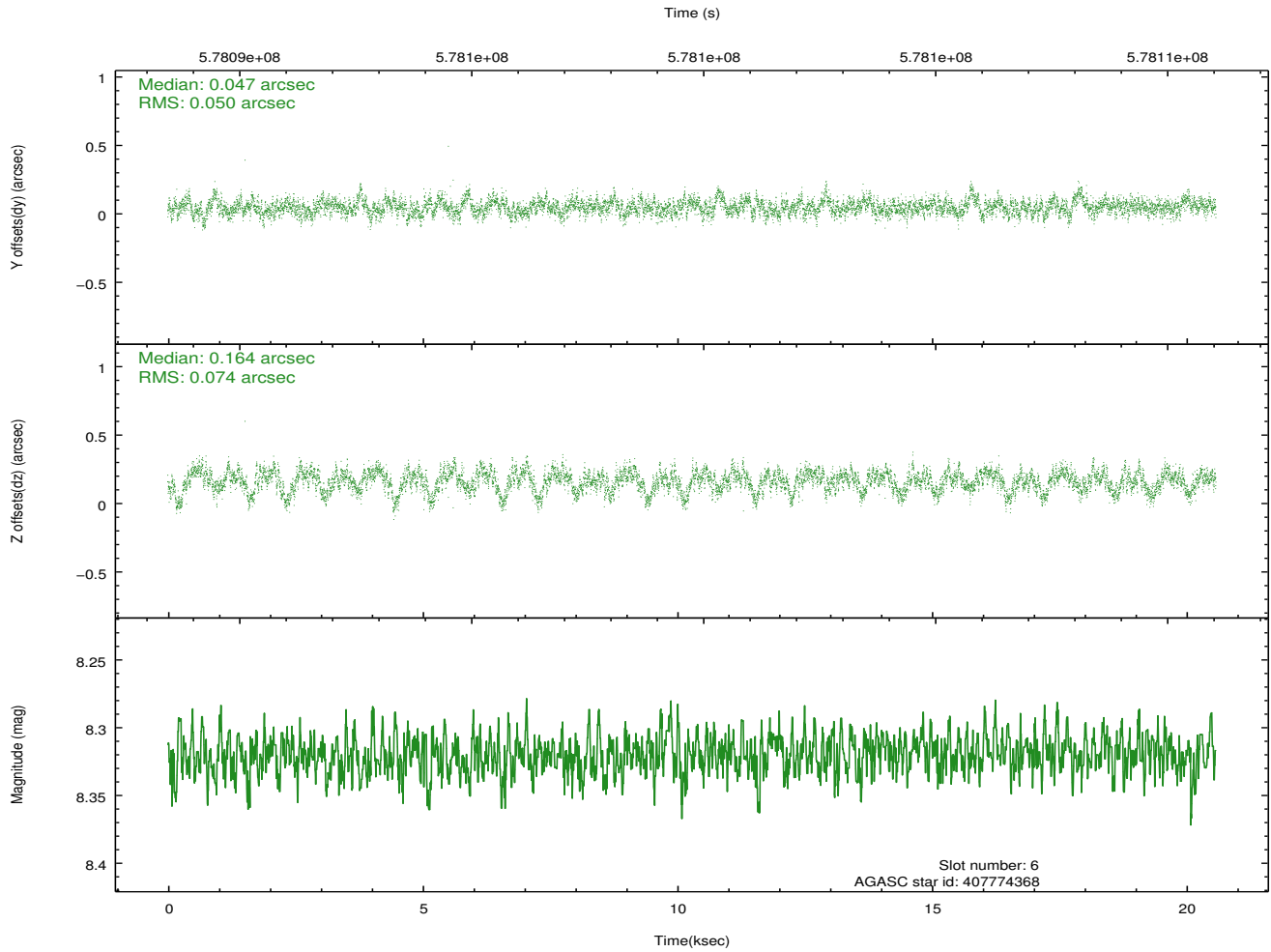
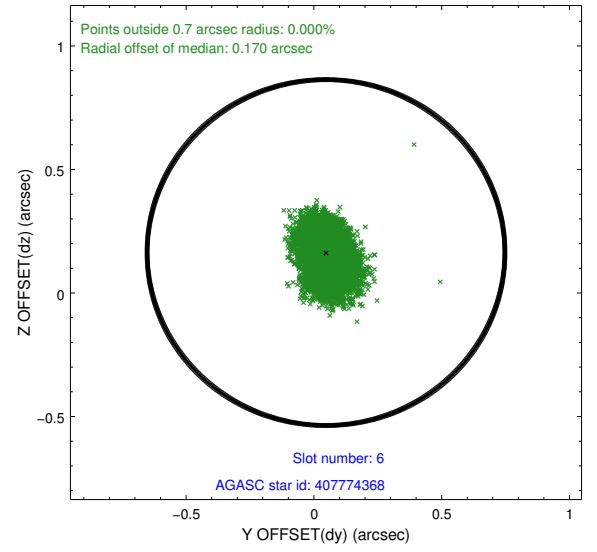
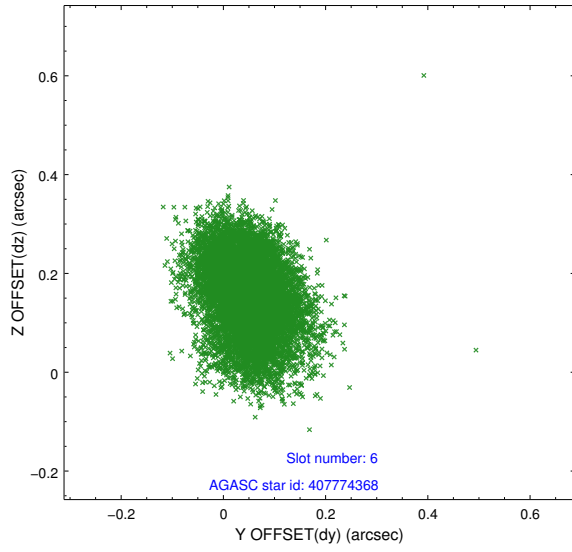
2.4.2 Slot 4



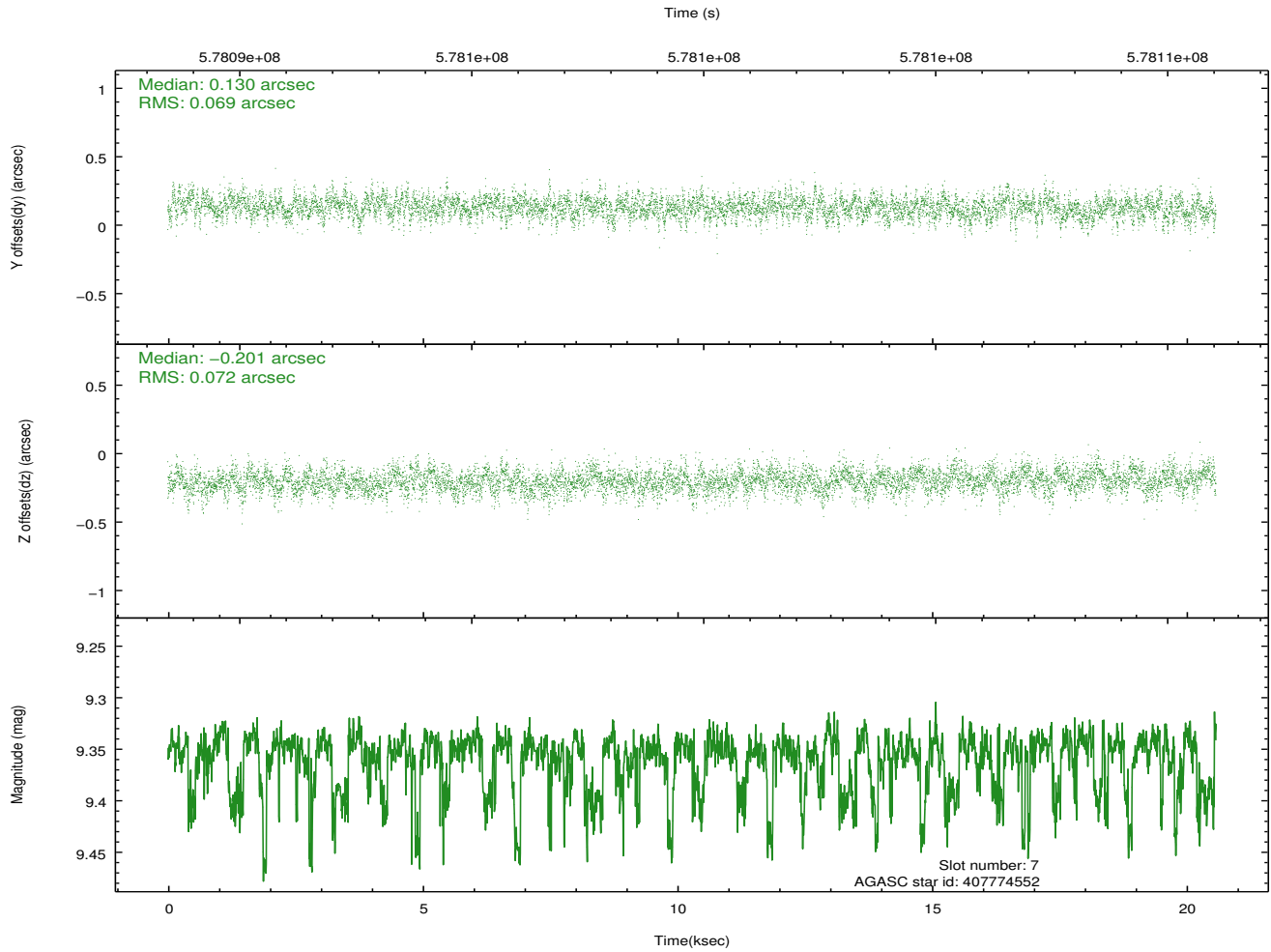
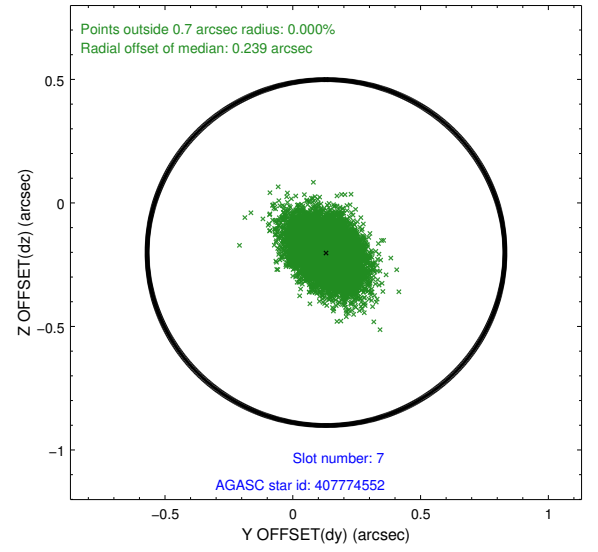
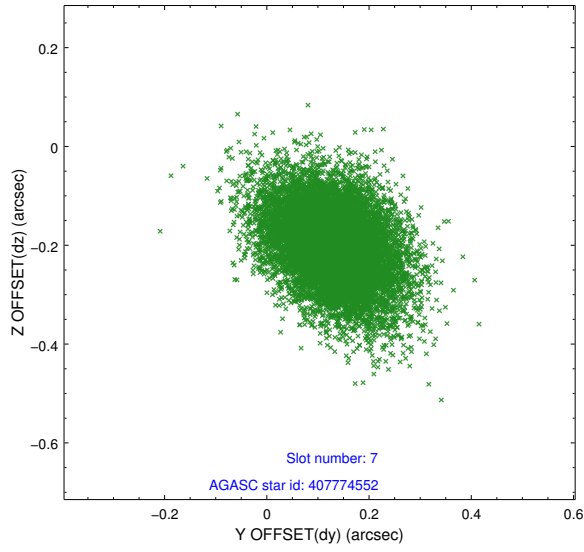
2.4.3 Slot 5



2.4.4 Slot 6

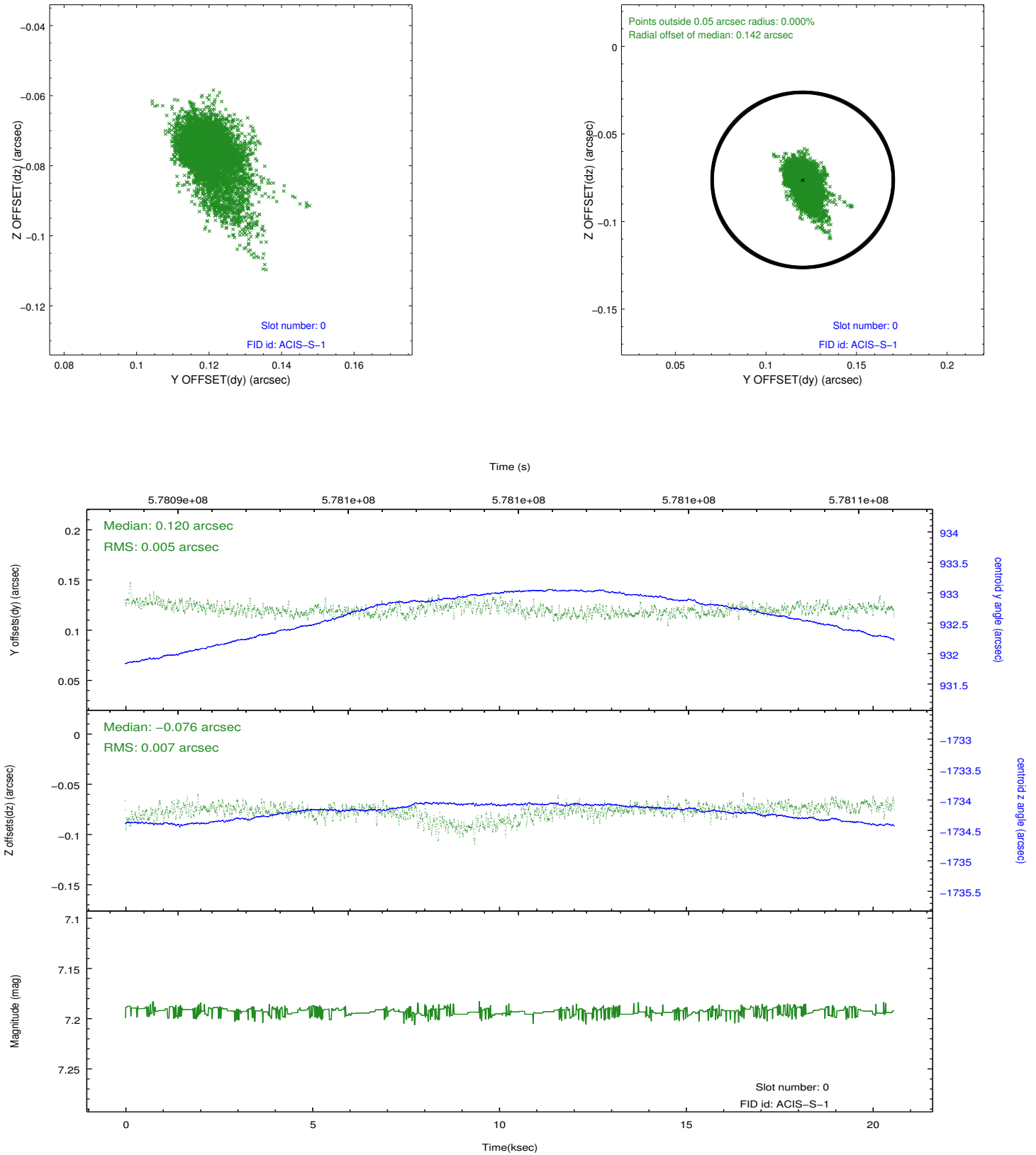


2.4.5 Slot 7

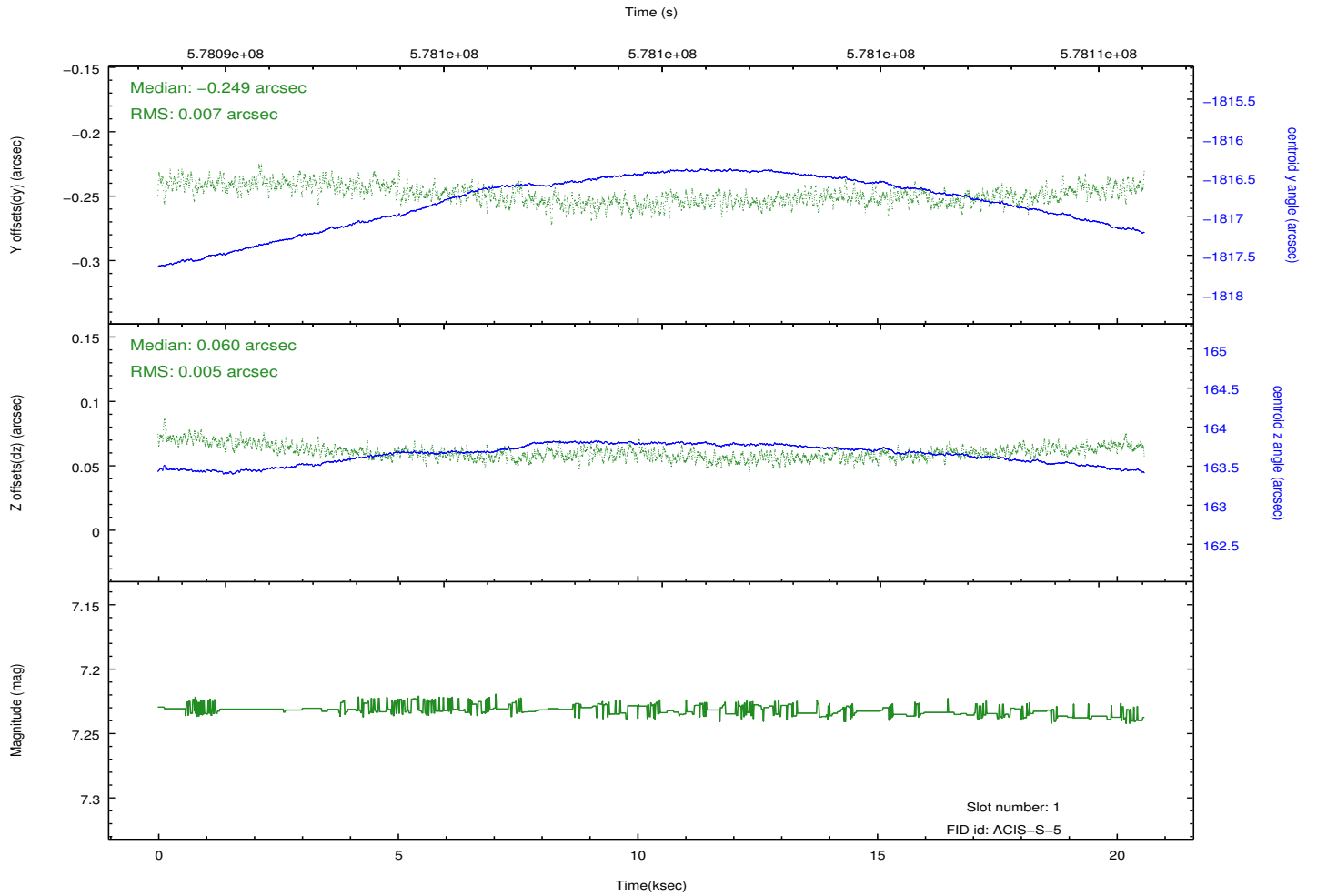
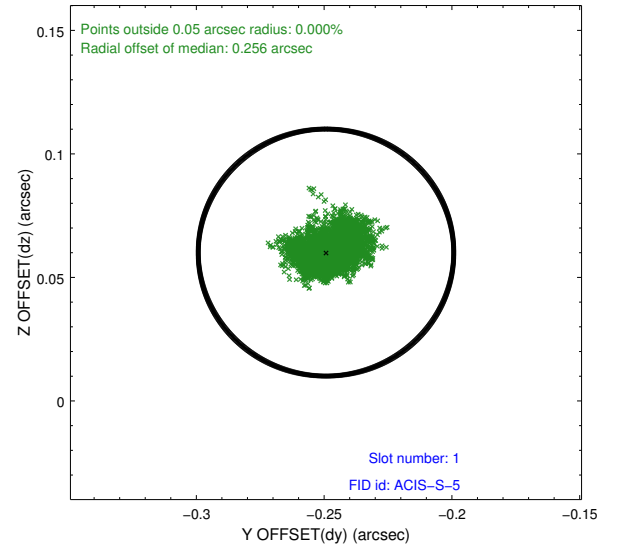
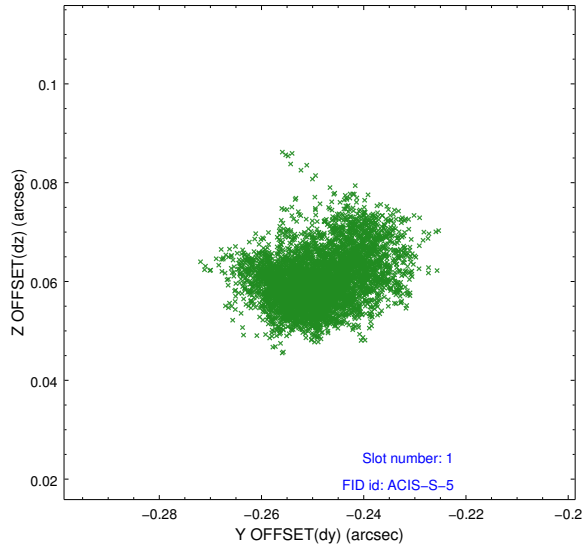


2.5 FID Slots

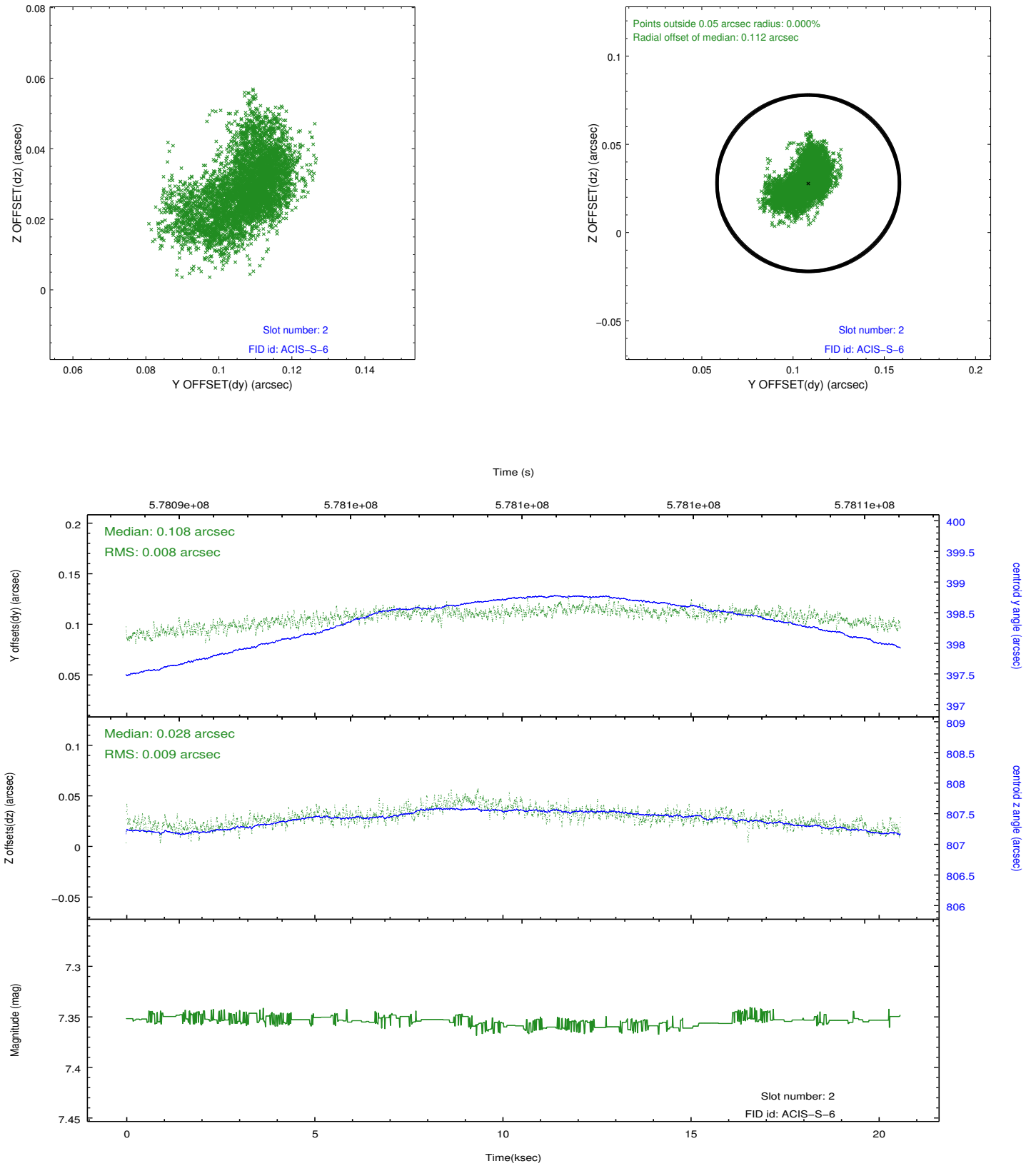
2.5.1 Slot 0



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)	2016.04.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.3745

A.2 Comments