

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 710 - L2 Version 3
Chandra X-Ray Center

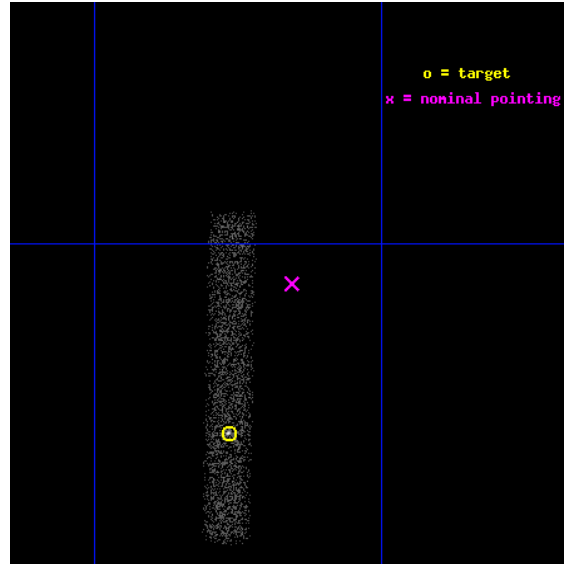
L2 Processing Date : Sep 14 2012

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1 Front

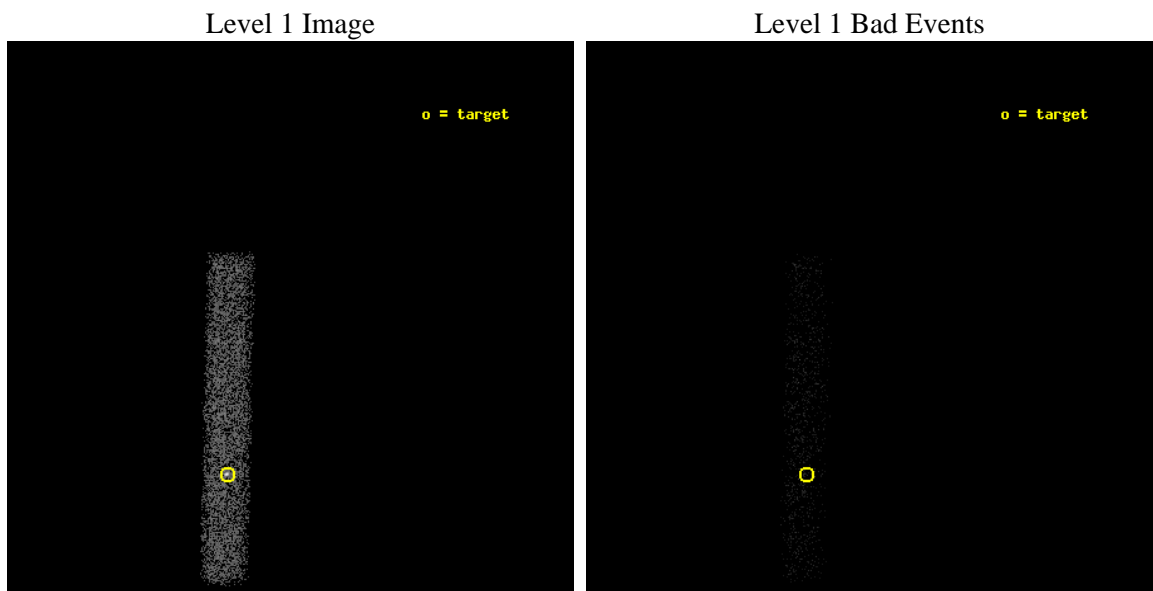
seq_num	400077	Sequence number
obs_id	710	Observation id
title	TEMPORAL EVOLUTION OF TRANSIENT TYPE I BURSTERS IN QUIESCENCE	Prop
observer	PROF. LARS BILDSTEN	Principal investigator
object	AQL X-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.816667	Observer's specified target RA [deg]
dec_targ	0.585111	Observer's specified target Dec [deg]
ra_nom	287.78913156923	Nominal RA [deg]
dec_nom	0.64923046374792	Nominal Dec [deg]
roll_nom	91.293829318417	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8148.0001214147	Sum of GTIs [s]
livetime	7389.8060234126	Livetime [s]
ontime7	8148.0001214147	Sum of GTIs [s]
l2events	4962	Number of level 2 events



2 OBI

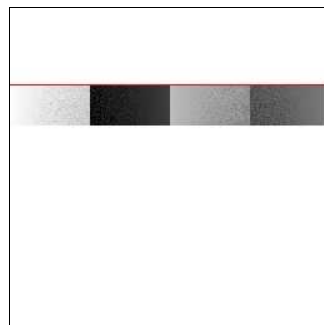
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8148.0001214147	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime7	8148.0001214147	Sum of GTIs [s]
date	2012-09-14T05:33:45	Date and time of file creation	l1events	10795	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	10795
rejected events	5649
rejected %	52%

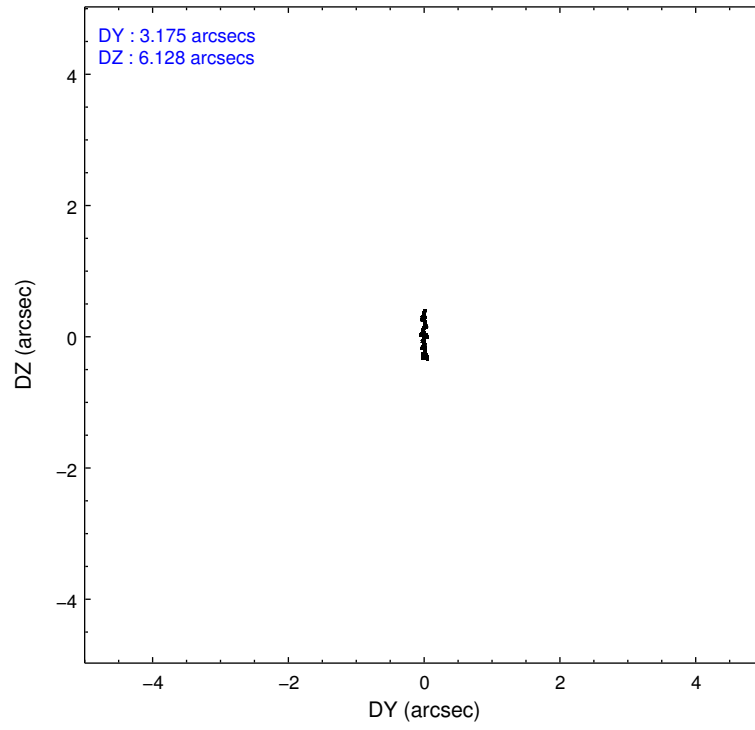
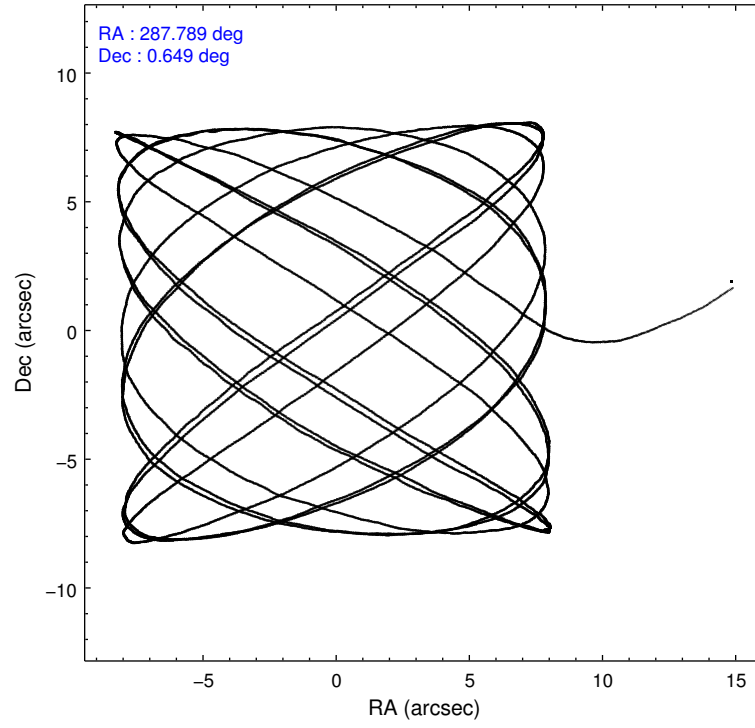
	ccd 7
grade 0 events	880
	8%
grade 1 events	8
	0%
grade 2 events	1073
	9%
grade 3 events	763
	7%
grade 4 events	656
	6%
grade 5 events	937
	8%
grade 6 events	2157
	19%
grade 7 events	4321
	40%

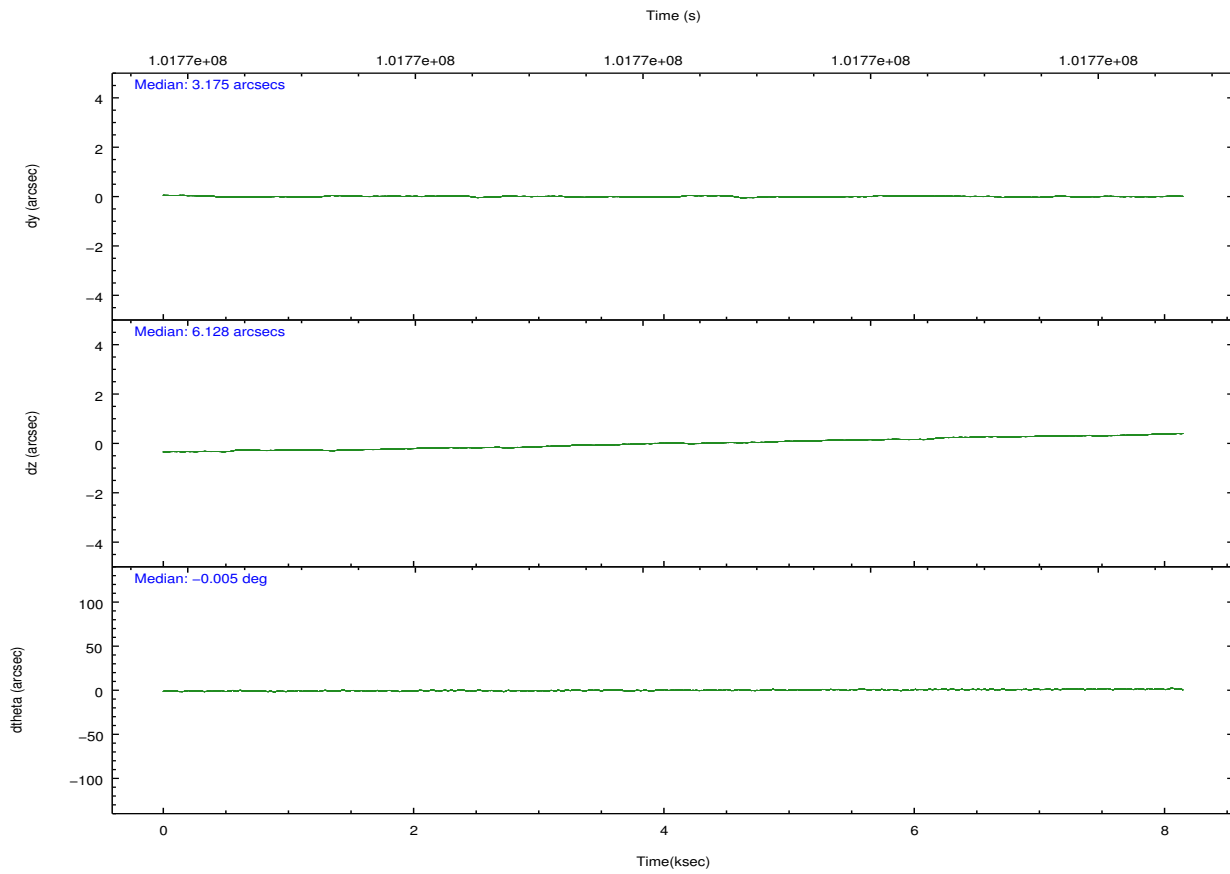
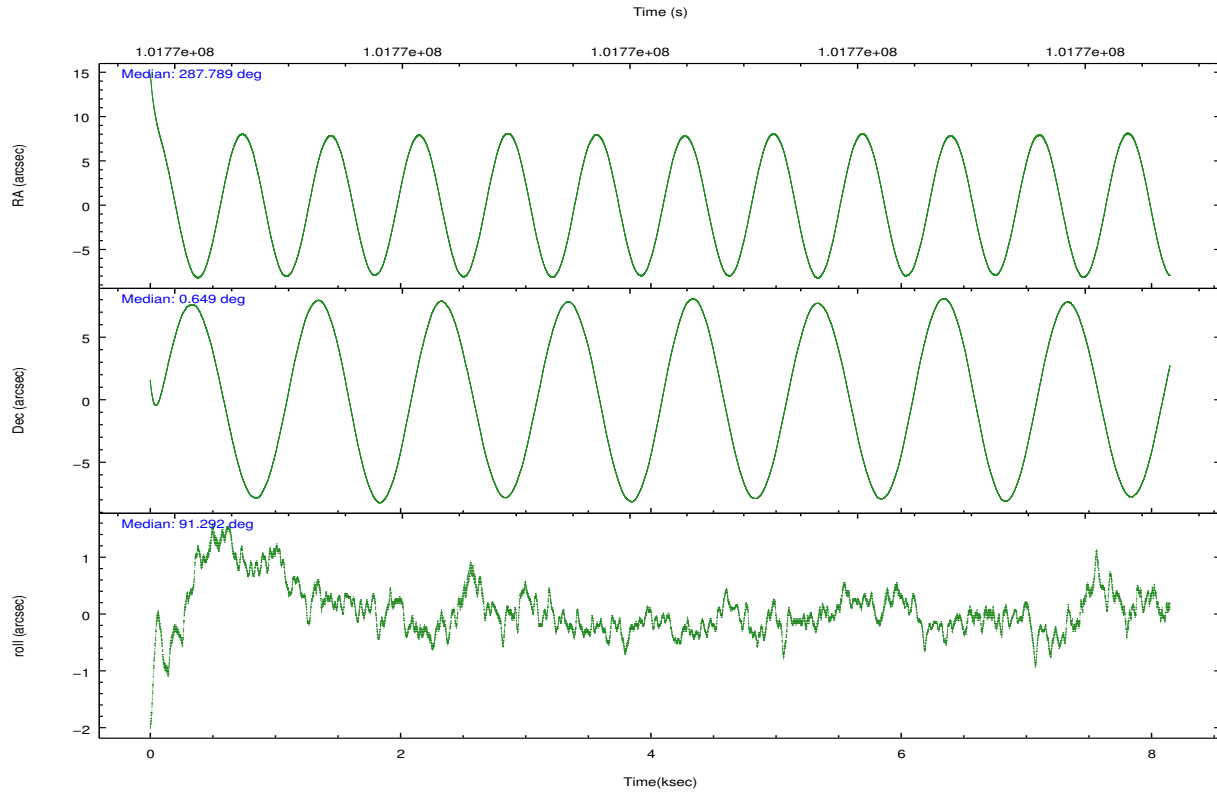
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	287.803519	287.7891315692269
[deg] Pointing Dec	0.626029	0.6492304637479163
[deg] Pointing Roll	91.137052	91.29382931841707
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1400660498719
[mm] SIM translation stage offset	0	0.00754346686406393
[s] Observation start time (MET)	101766339.184000	101765351.7112
Observation start date	2001-03-23T20:24:35	2001-03-23T20:09:11
[s] Observation end time (MET)	101774339.184000	101775125.08658
Observation end date	2001-03-23T22:37:55	2001-03-23T22:52:05
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/8
Subarray start row	650	650
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.4

2.3 Aspect



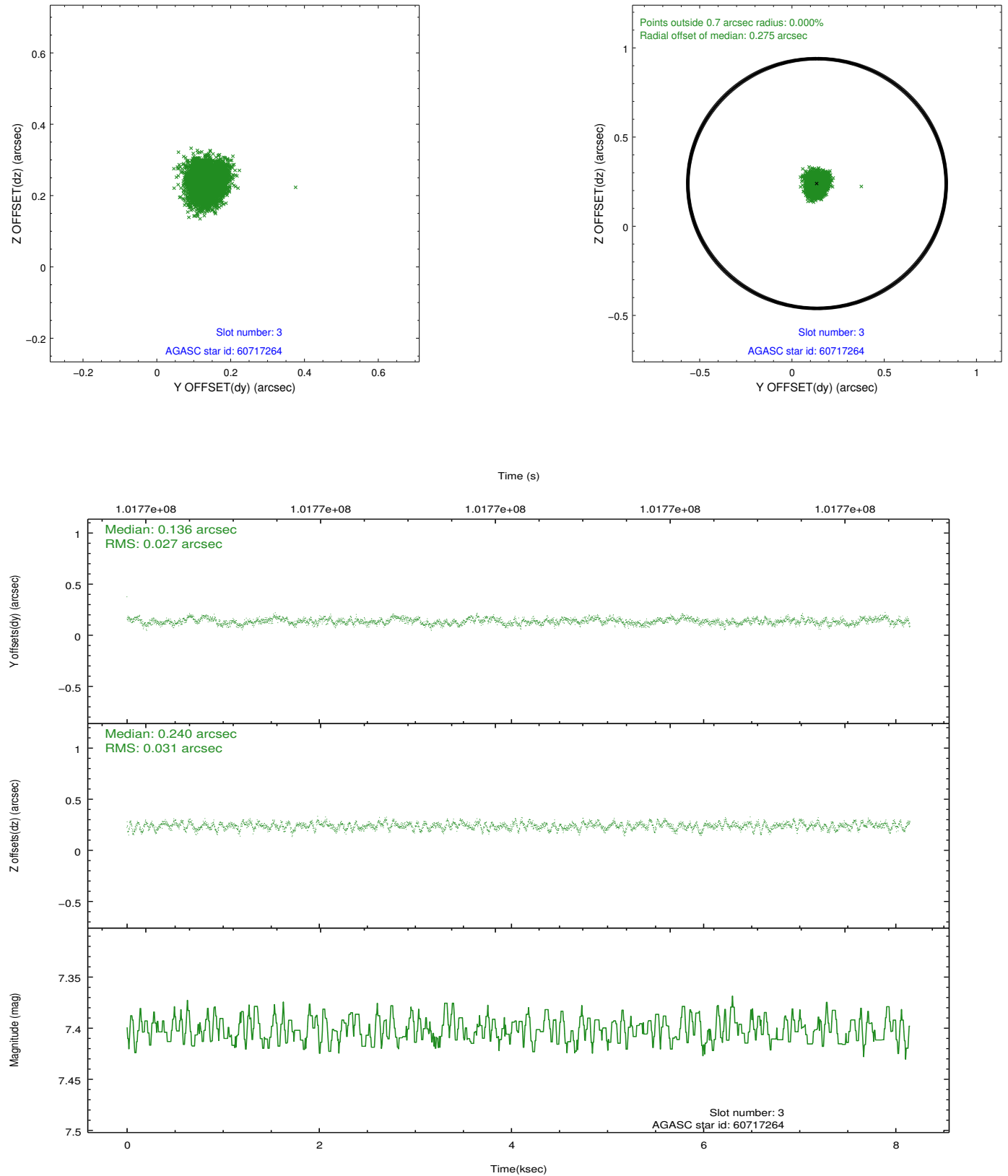


Slot Statistics

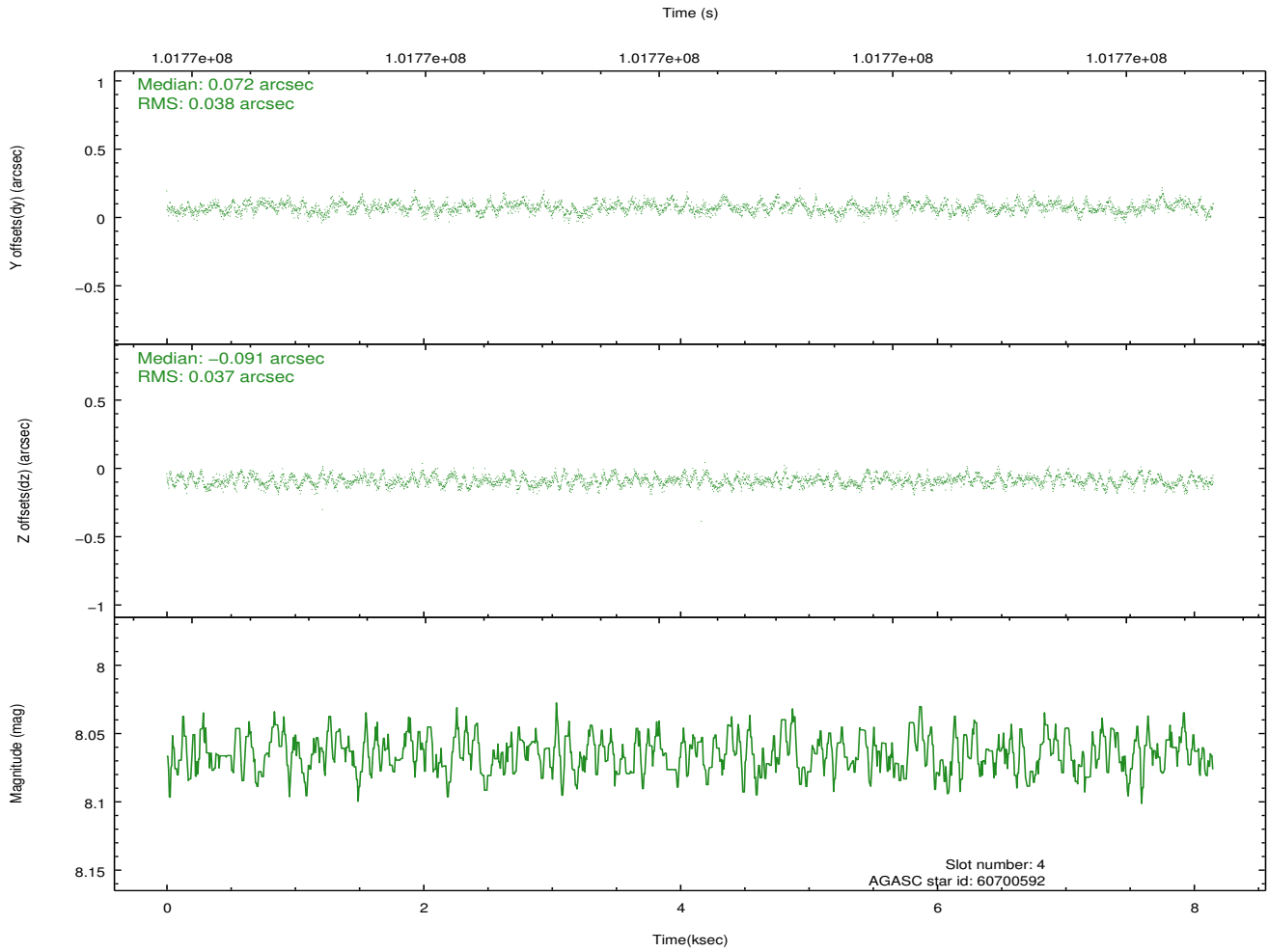
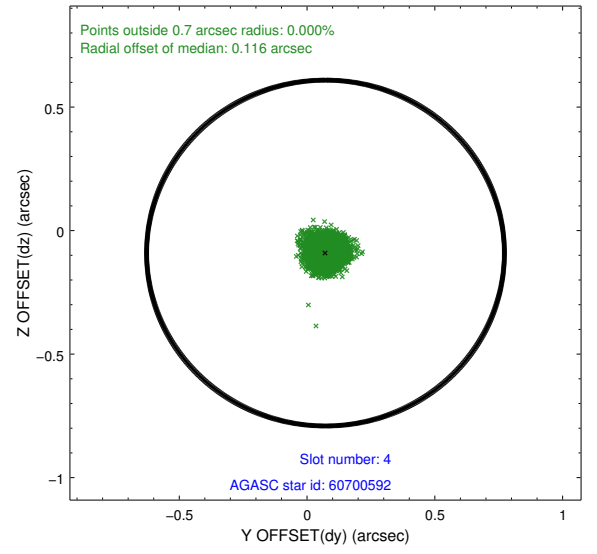
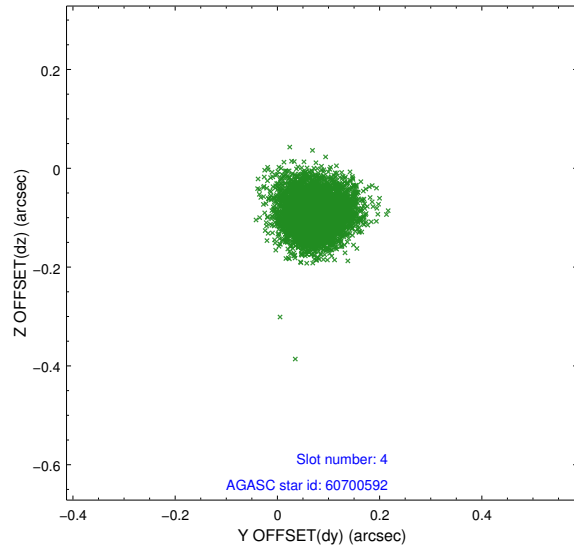
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1987	-0.021	0.008	0.007	0.012	0.000000	0.000000	-755.81	-1727.28
1	FID	ACIS-S-4	7.20	1988	-0.031	0.008	0.006	0.012	0.000000	0.000000	2157.11	180.56
2	FID	ACIS-S-5	7.24	1988	0.021	-0.007	0.006	0.011	0.000000	0.000000	-1807.76	174.92
3	GUIDE	60717264	7.40	3975	0.136	0.240	0.045	0.071	288.494203	0.125541	-1850.27	-2450.43
4	GUIDE	60700592	8.06	3973	0.072	-0.091	0.057	0.089	287.530354	0.932002	1120.61	960.30
5	GUIDE	60699528	8.93	3976	-0.205	-0.042	0.059	0.096	287.344521	1.231468	2212.30	1608.53
6	GUIDE	60706688	8.71	3975	0.125	-0.092	0.055	0.089	287.637938	0.689635	241.64	591.43
7	GUIDE	60698176	8.86	3973	-0.128	-0.015	0.059	0.099	287.425571	1.234708	2217.82	1316.58

2.4 Star Slots

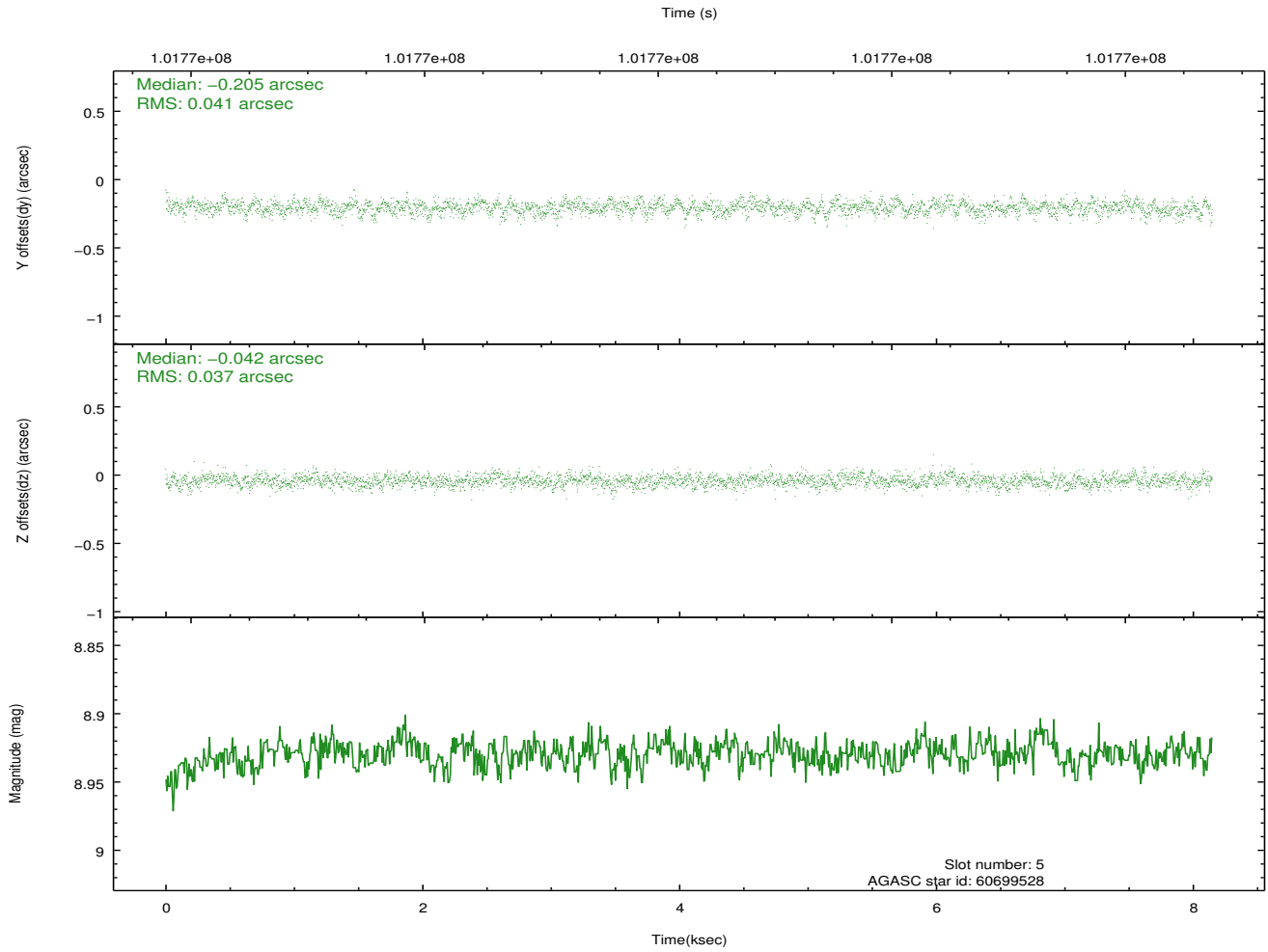
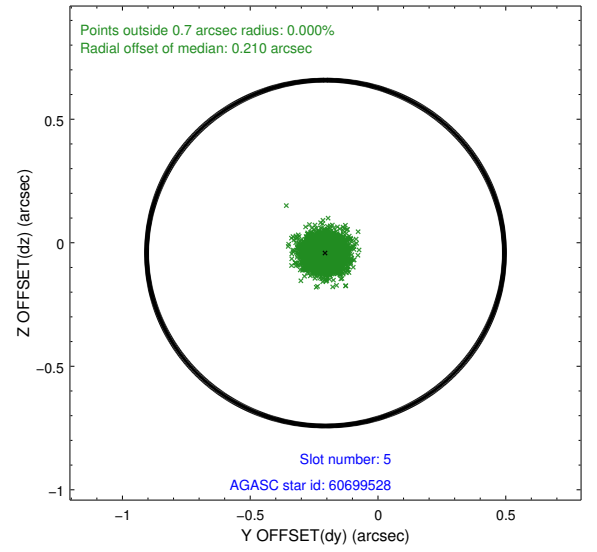
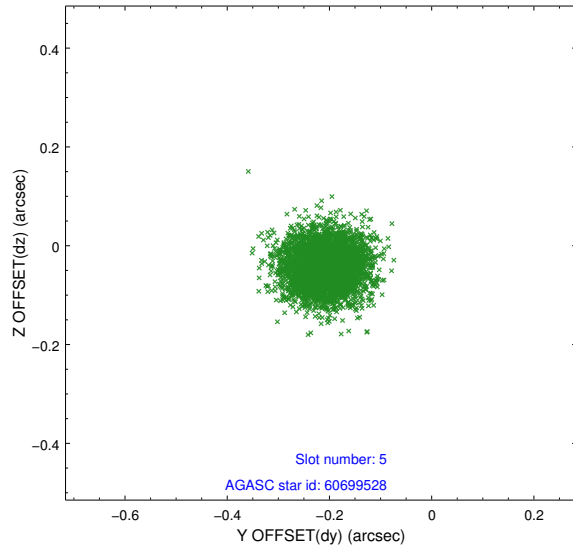
2.4.1 Slot 3



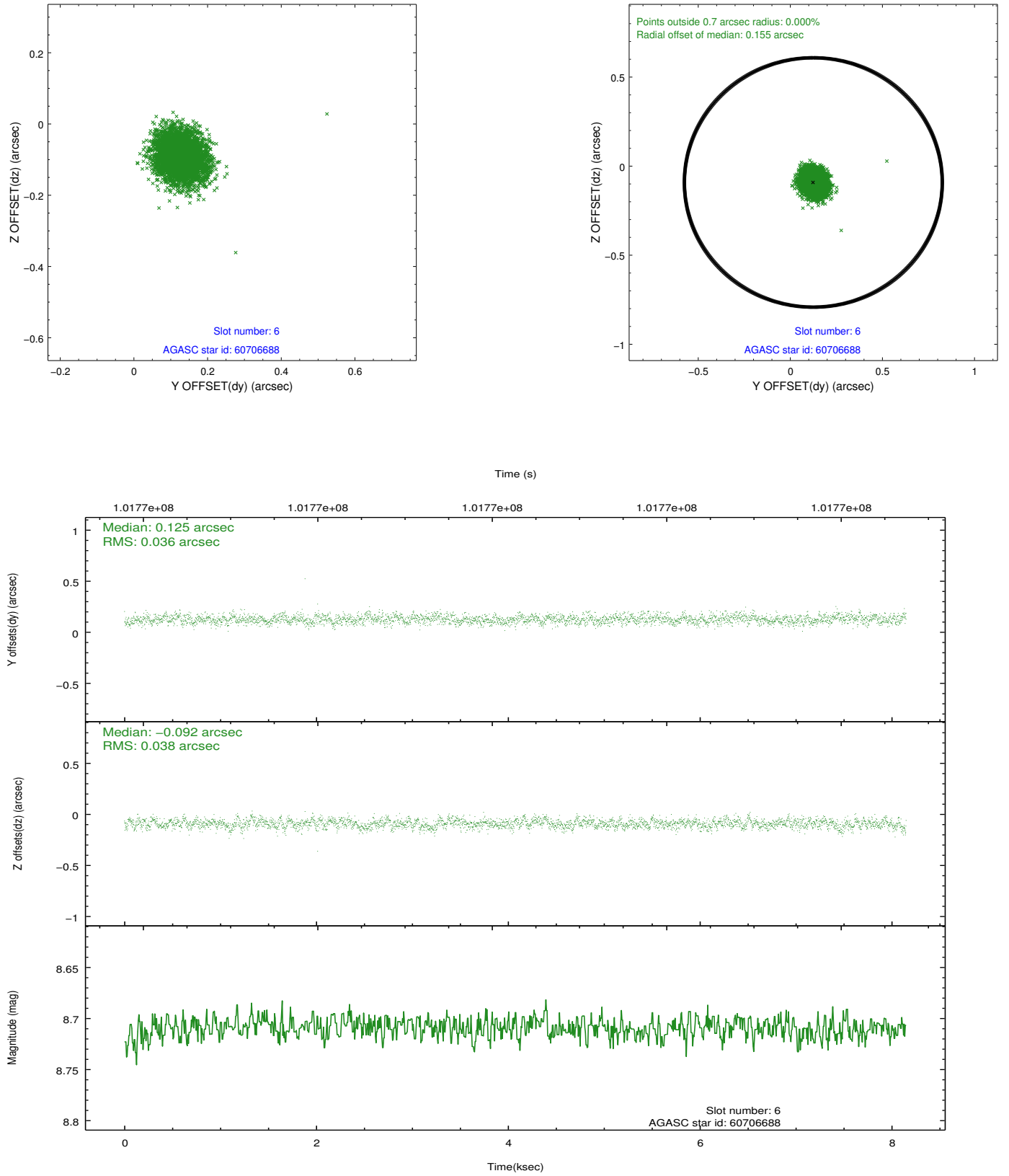
2.4.2 Slot 4



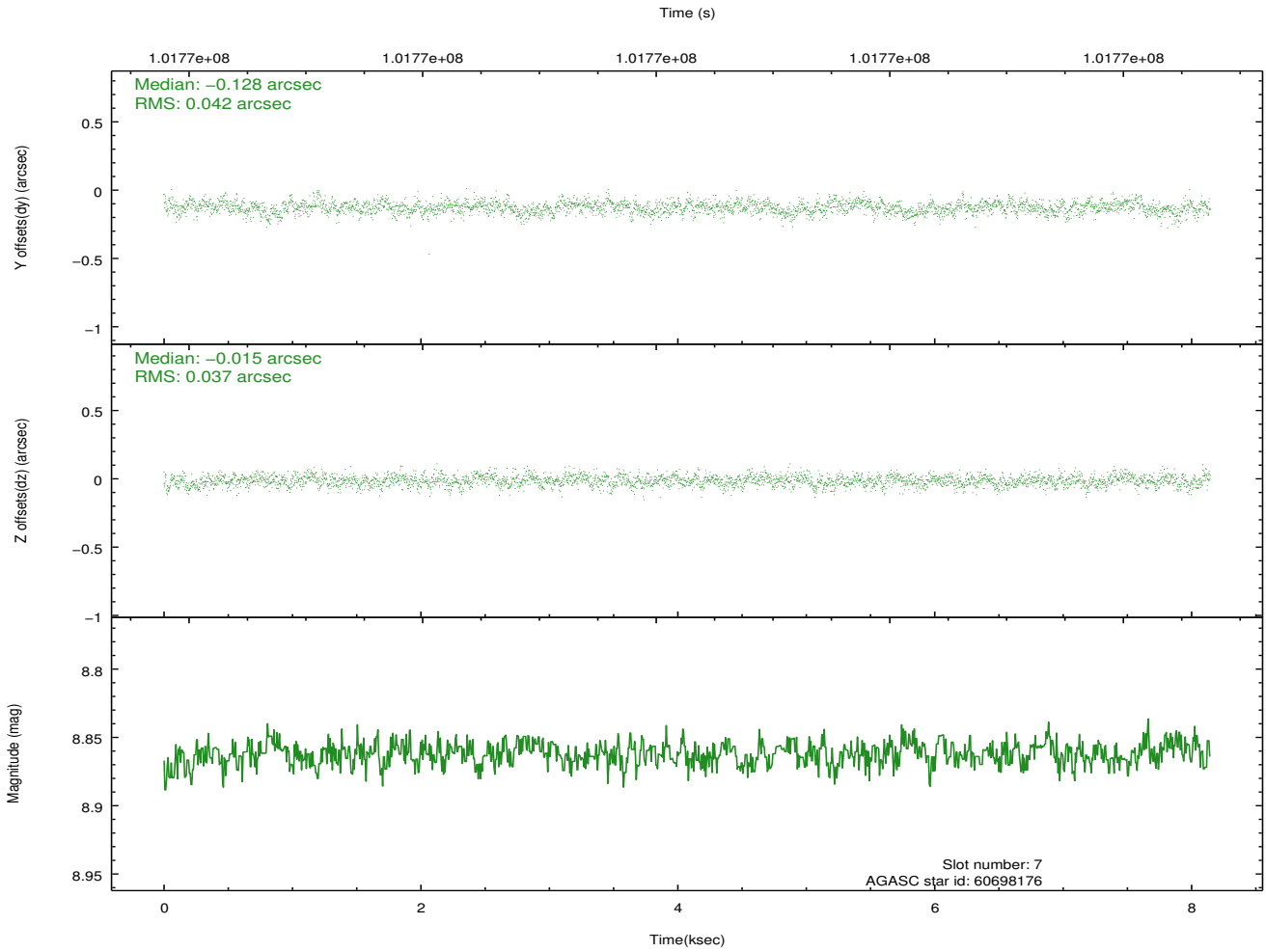
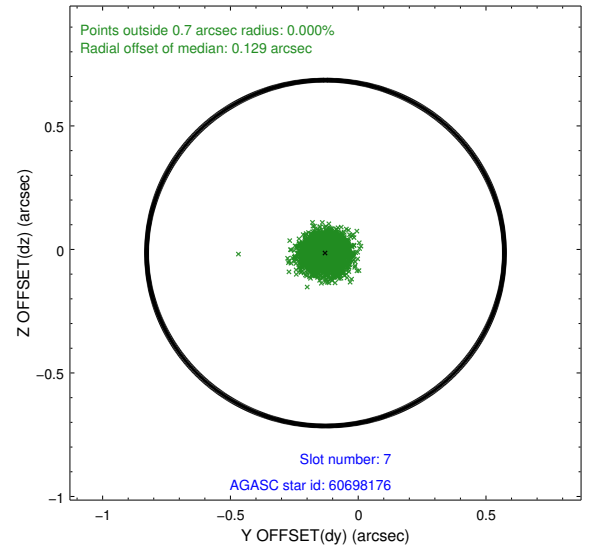
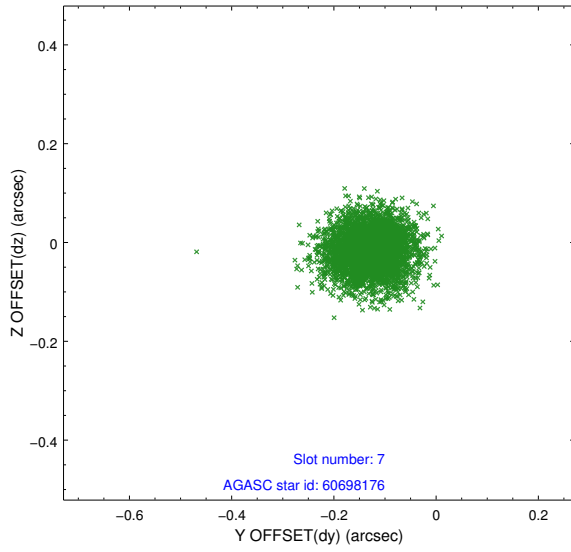
2.4.3 Slot 5



2.4.4 Slot 6

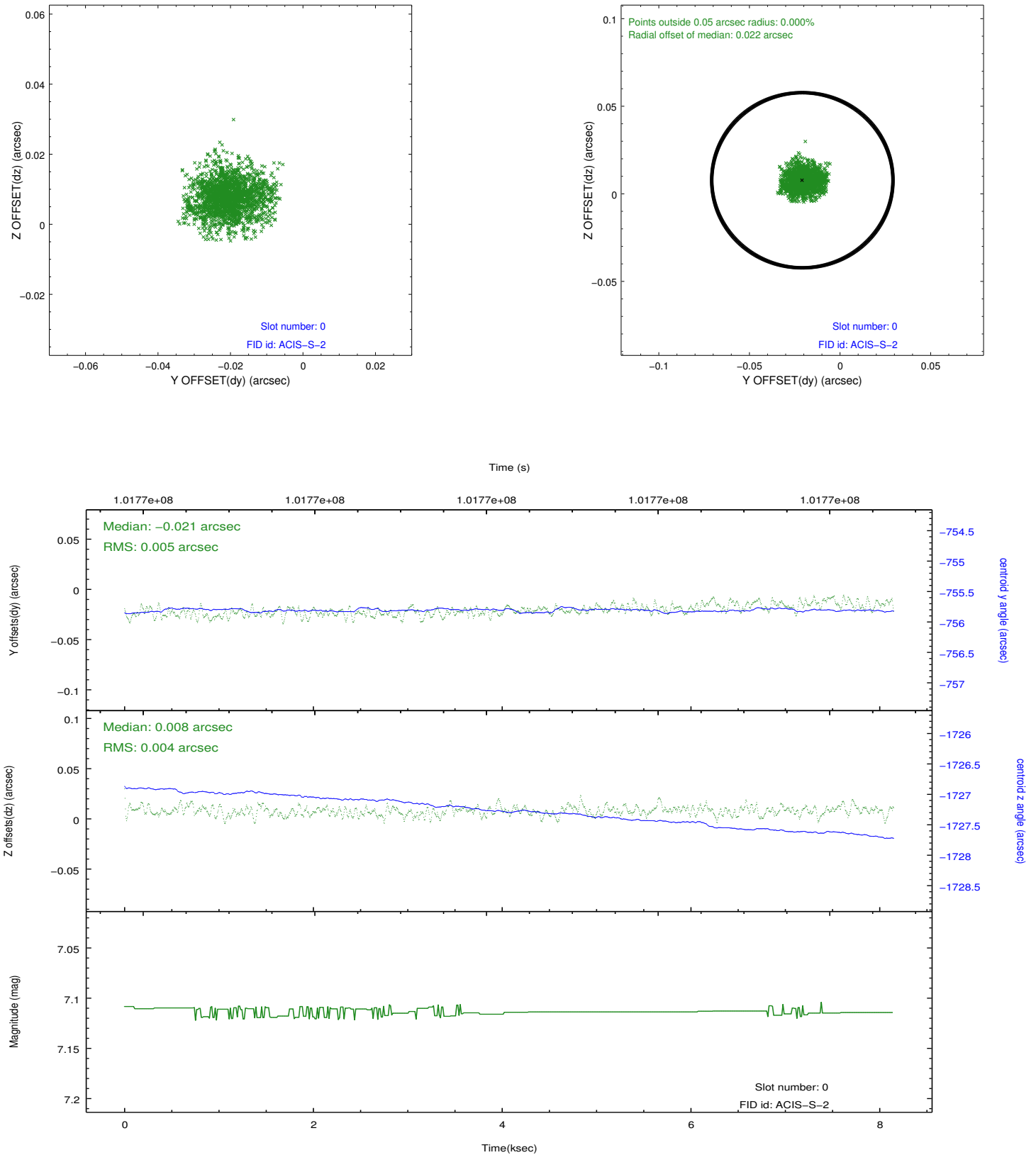


2.4.5 Slot 7

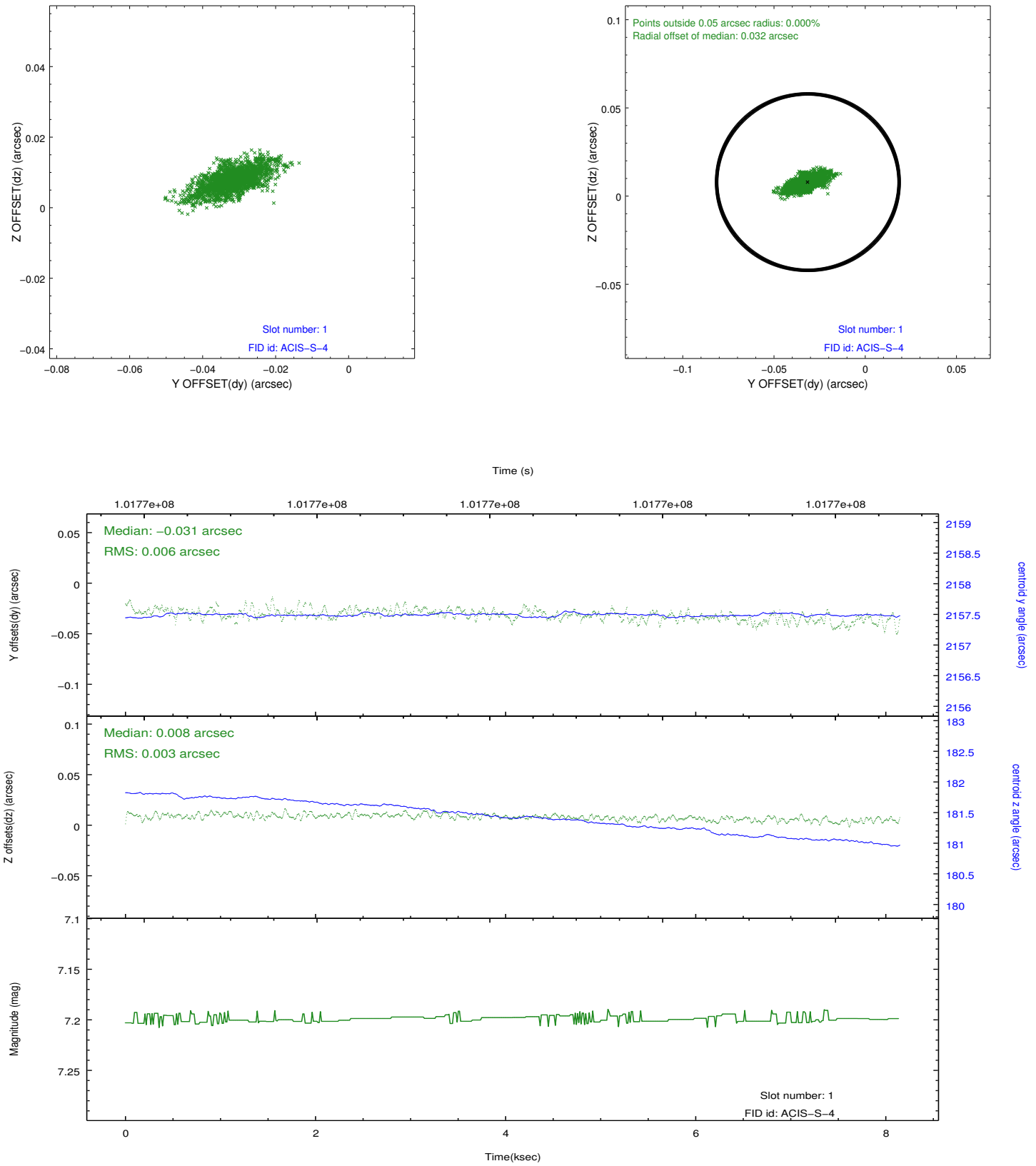


2.5 FID Slots

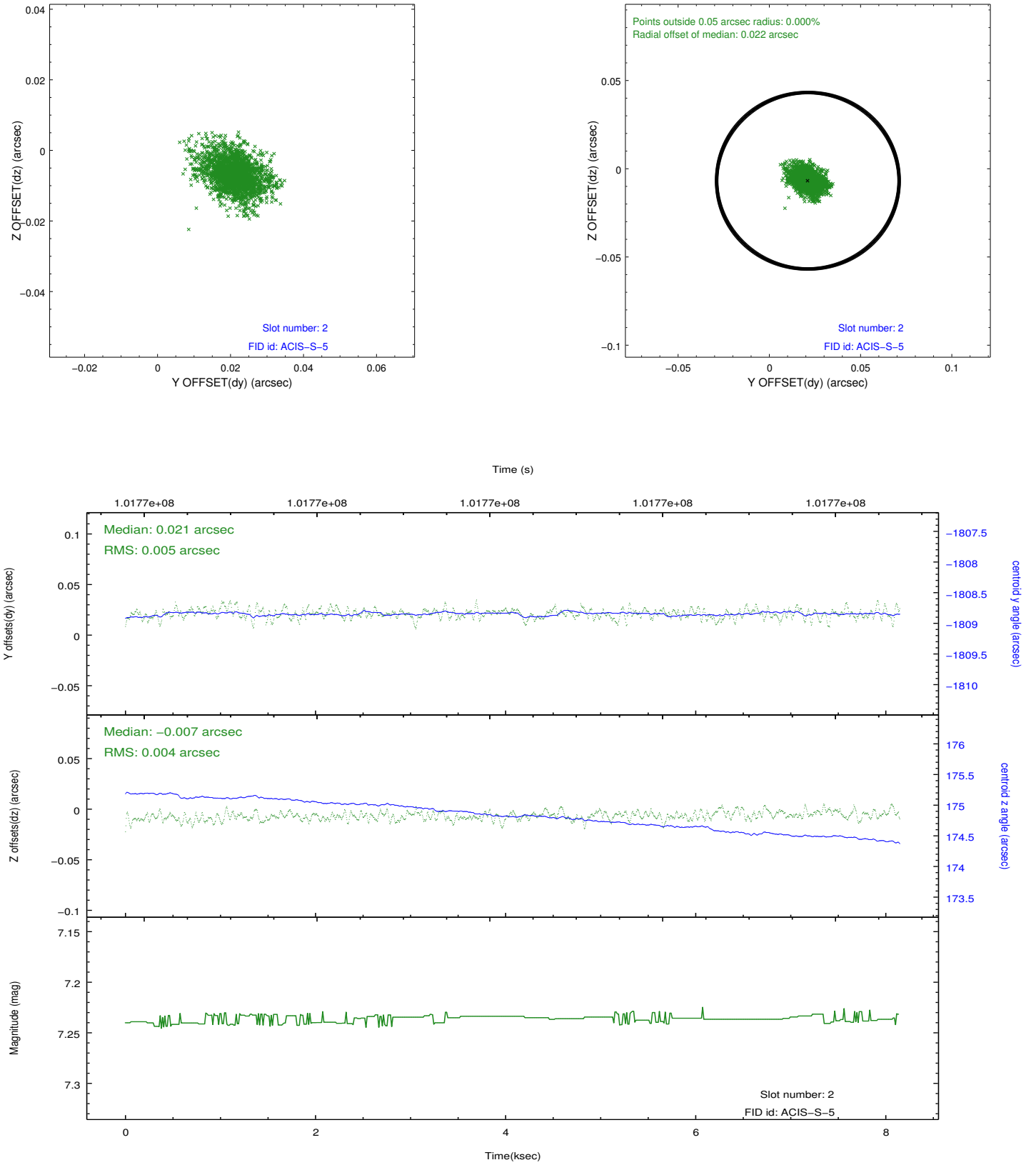
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.15

A.2 Comments

Monitor constraint met.