

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3103 - L2 Version 4
Chandra X-Ray Center

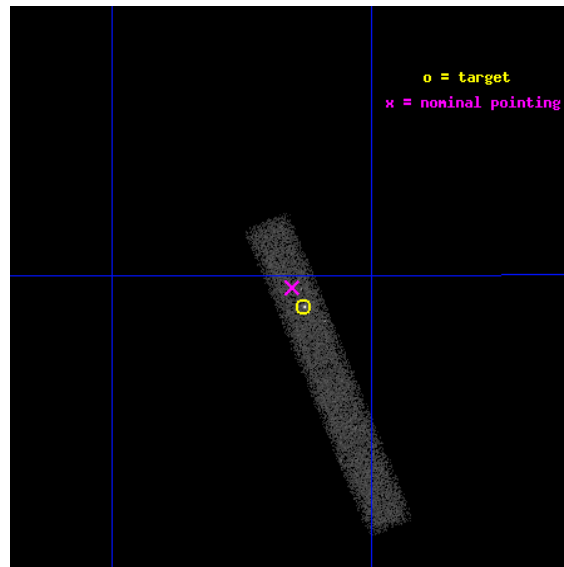
L2 Processing Date : Sep 30 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 2	9
2.4.2	Slot 3	10
2.4.3	Slot 4	11
2.4.4	Slot 5	12
2.4.5	Slot 6	13
2.4.6	Slot 7	14
2.5	FID Slots	15
2.5.1	Slot 0	15
2.5.2	Slot 1	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

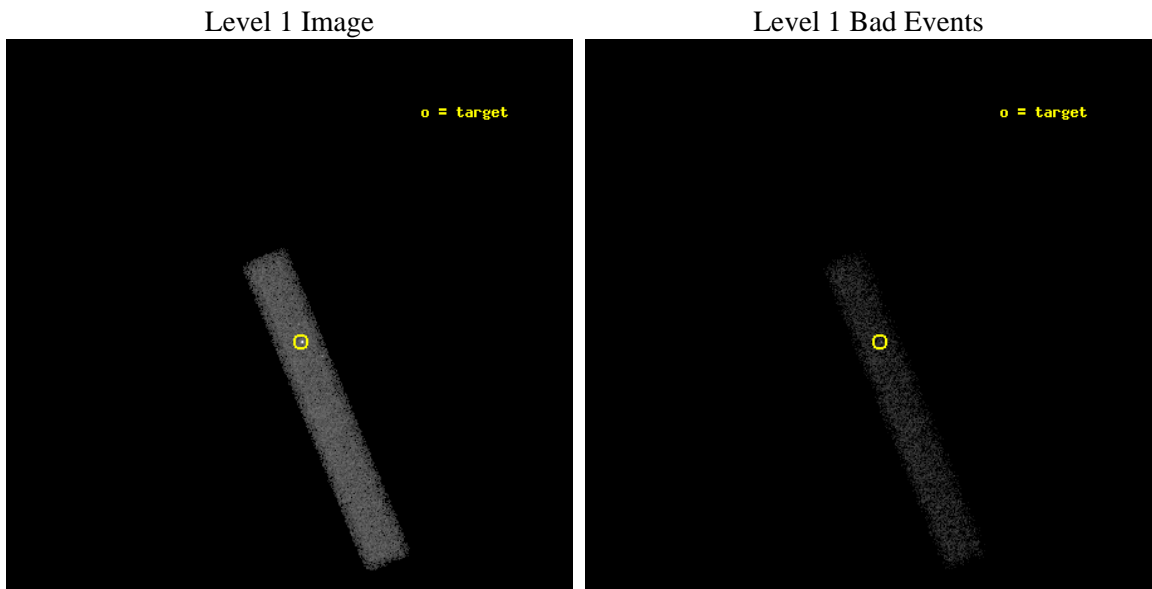
seq_num	700542	Sequence number
obs_id	3103	Observation id
title	X-RAY IMAGING OF GPS AND CSS QUASARS	Proposal title
observer	Dr. Aneta Siemiginowska	Principal investigator
object	Q1328+254	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	202.6575	Observer's specified target RA [deg]
dec_targ	25.153	Observer's specified target Dec [deg]
ra_nom	202.66330542365	Nominal RA [deg]
dec_nom	25.161181403712	Nominal Dec [deg]
roll_nom	67.526761917059	Nominal Roll [deg]
revision	4	Processing version of data
ontime	39929.313374937	Sum of GTIs [s]
livetime	36213.779589095	Livetime [s]
ontime7	39929.313374937	Sum of GTIs [s]
l2events	22830	Number of level 2 events



2 OBI

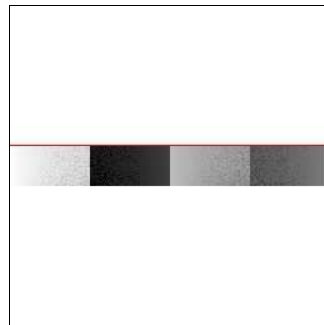
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	39929.313374937	Sum of GTIs [s]
caldbver	4.5.2	 	ontime7	39929.313374937	Sum of GTIs [s]
date	2012-09-30T05:37:12	Date and time of file creation	l1events	47274	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

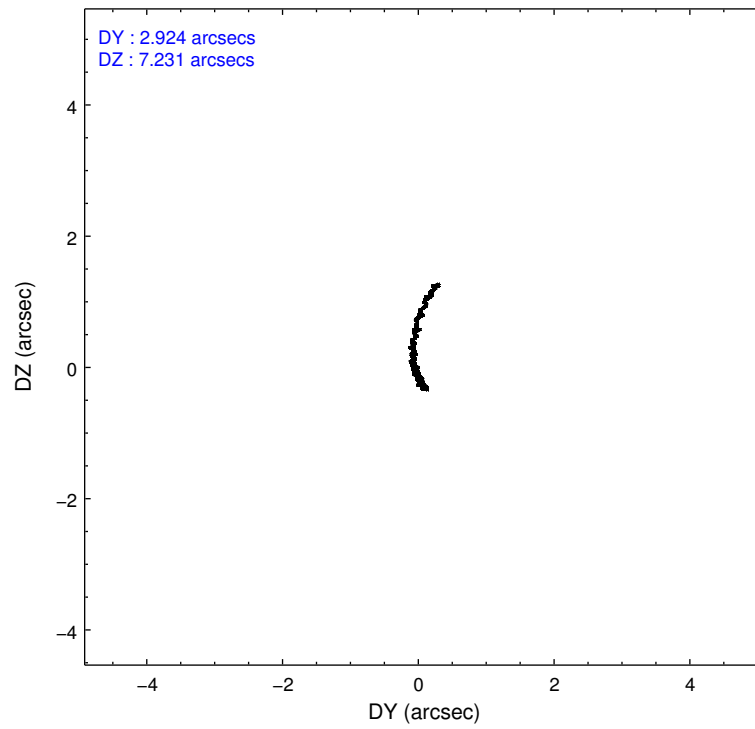
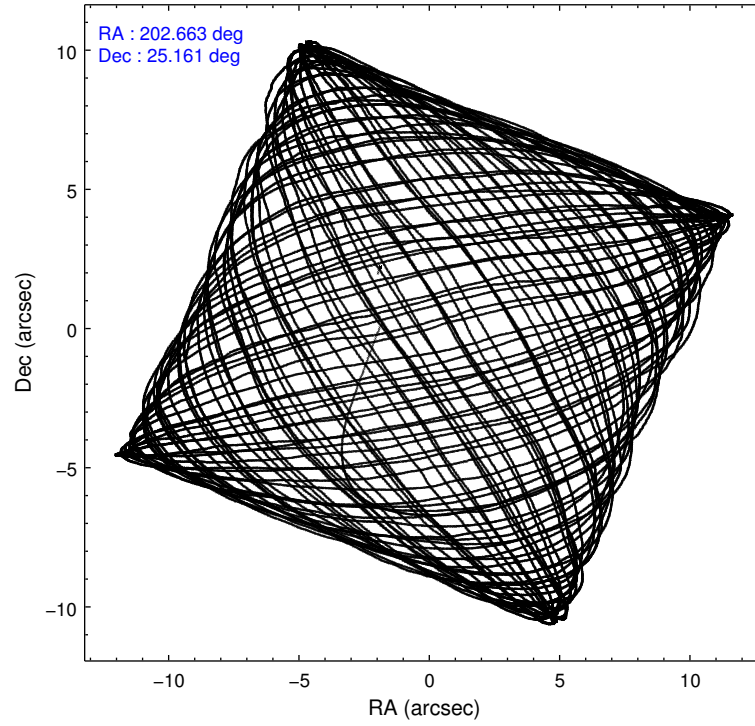
	ccd 7
level 1 events	47274
rejected events	23651
rejected %	50%

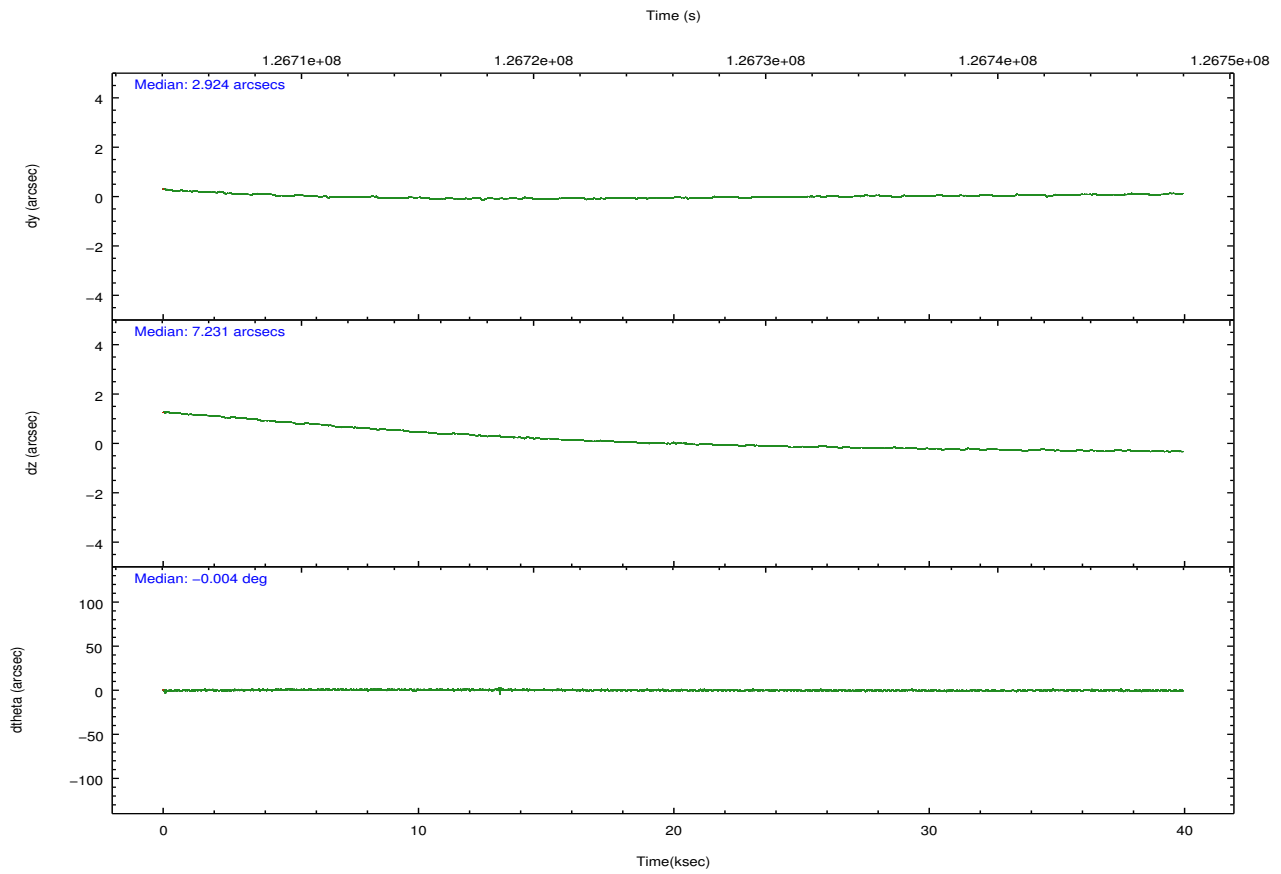
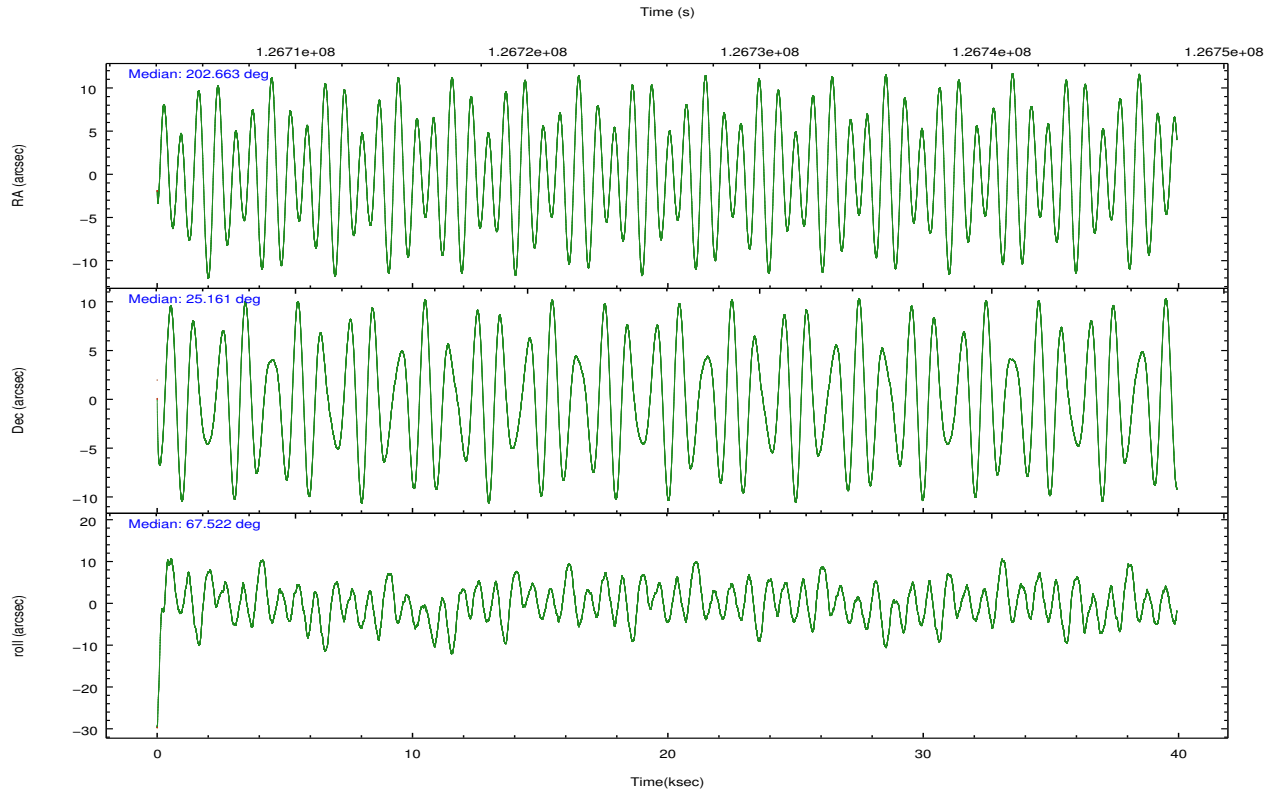
	ccd 7
grade 0 events	3793
	8%
grade 1 events	51
	0%
grade 2 events	4688
	9%
grade 3 events	3131
	6%
grade 4 events	3011
	6%
grade 5 events	3996
	8%
grade 6 events	9492
	20%
grade 7 events	19112
	40%

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	202.667596	202.6633054236497	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	25.134206	25.16118140371236	Subarray start row	449	449
[deg] Pointing Roll	67.368314	67.52676191705949	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)	126705974.184000	126705107.39342			
Observation start date	2002-01-06T12:05:10	2002-01-06T11:51:47			
[s] Observation end time (MET)	126745974.184000	126746525.08258			
Observation end date	2002-01-06T23:11:50	2002-01-06T23:22:05			
Read mode	TIMED	TIMED			

2.3 Aspect



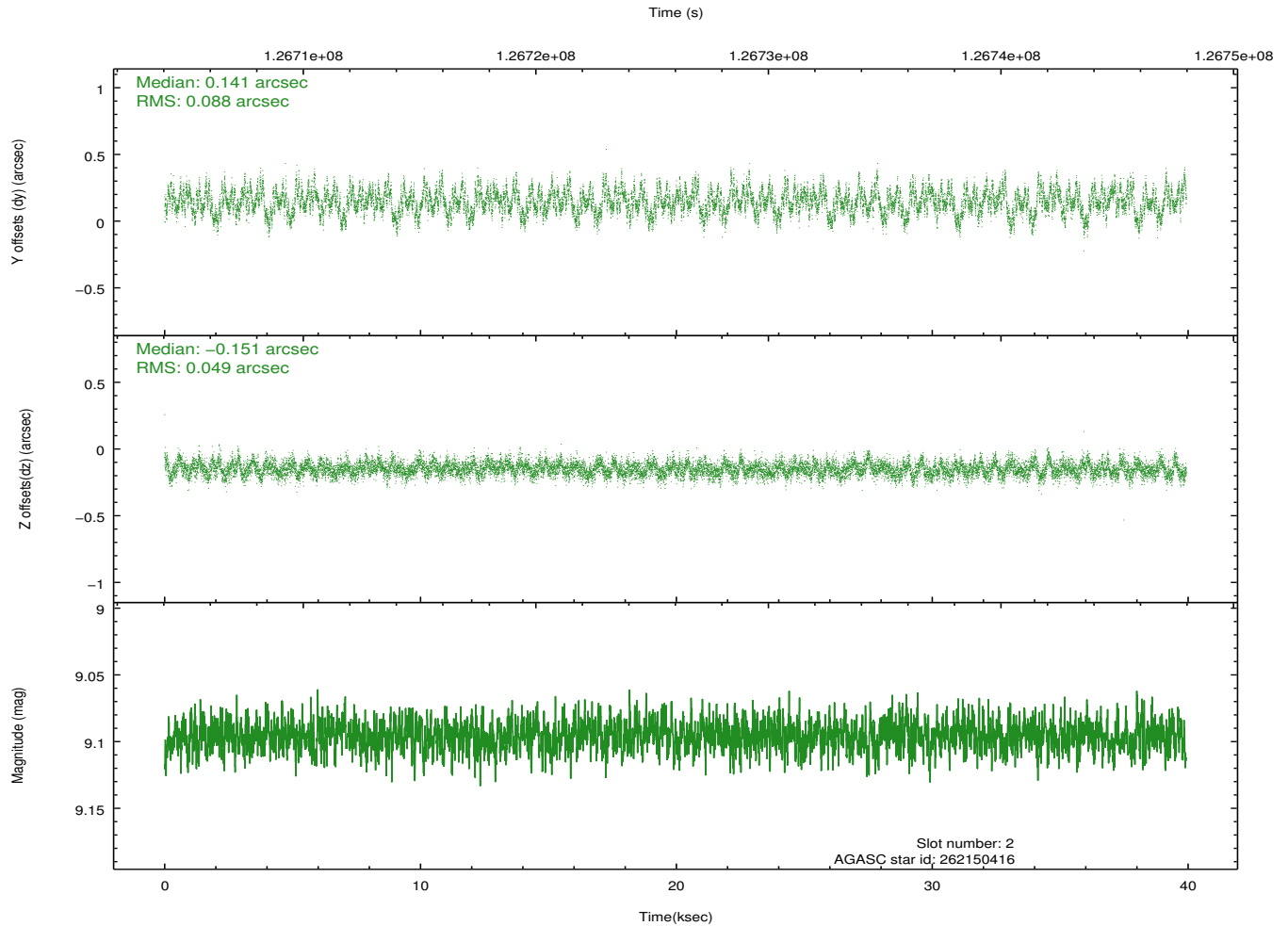
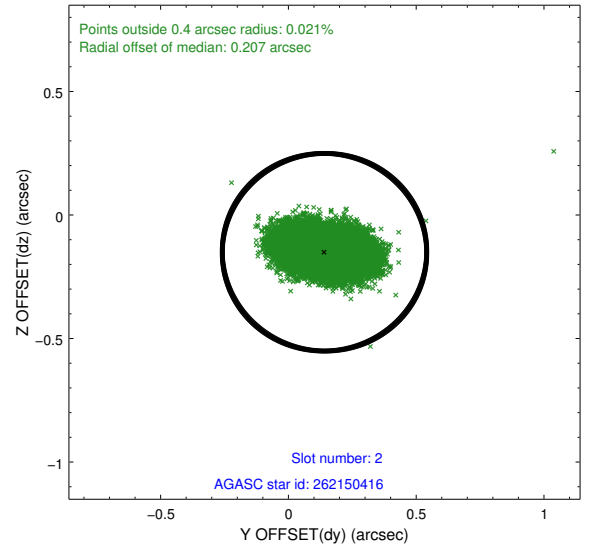
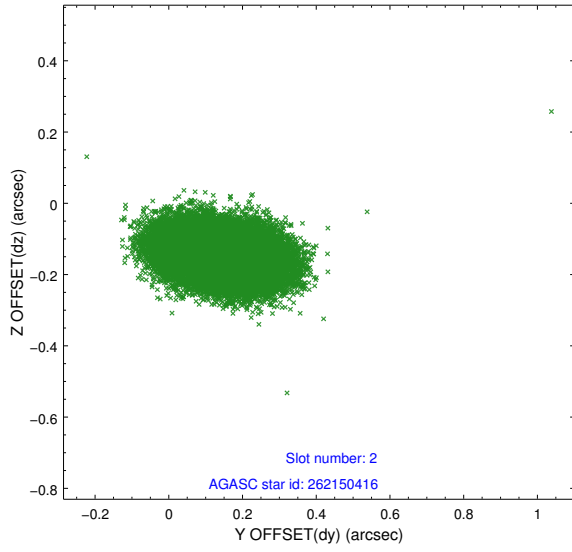


Slot Statistics

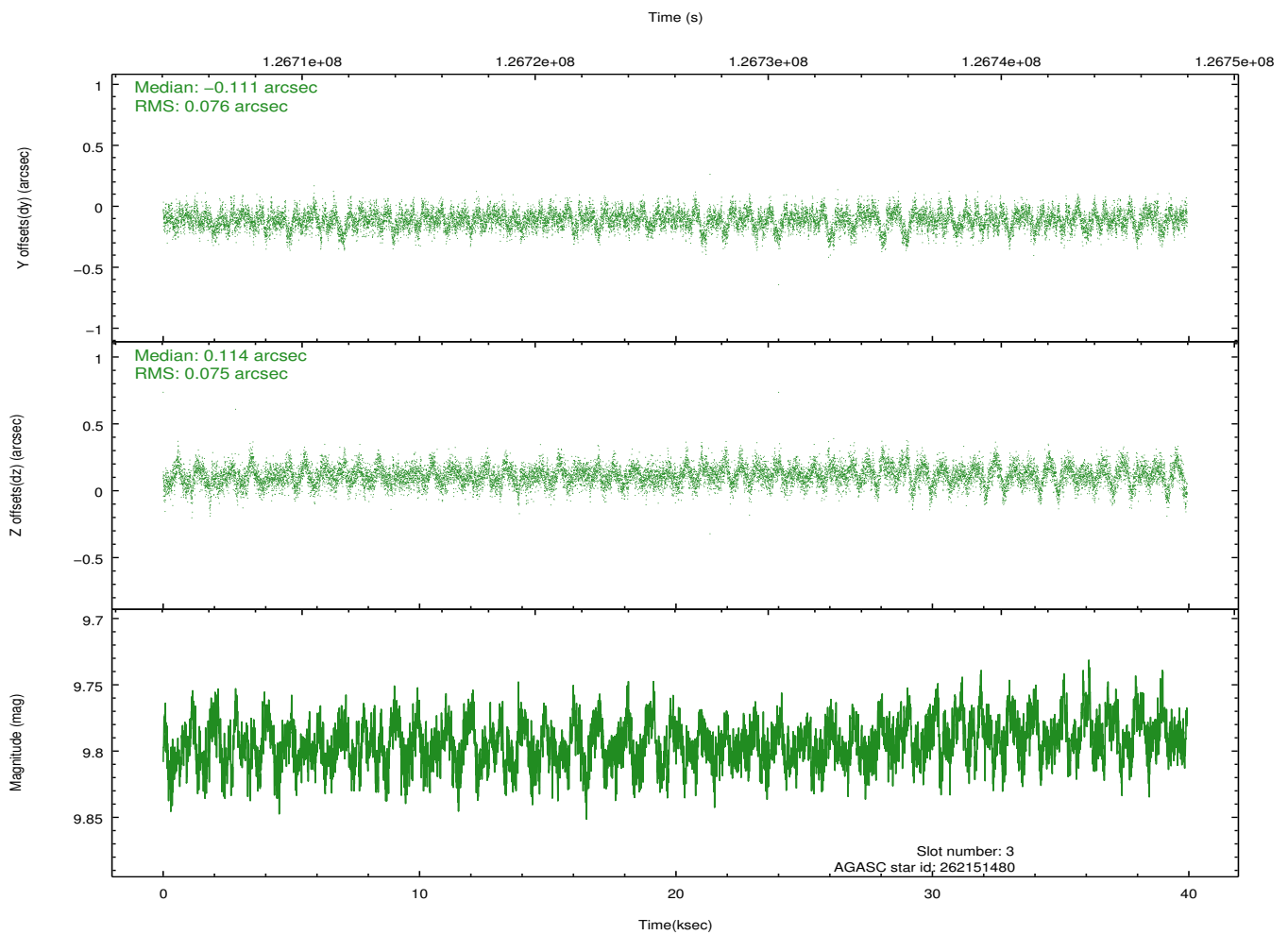
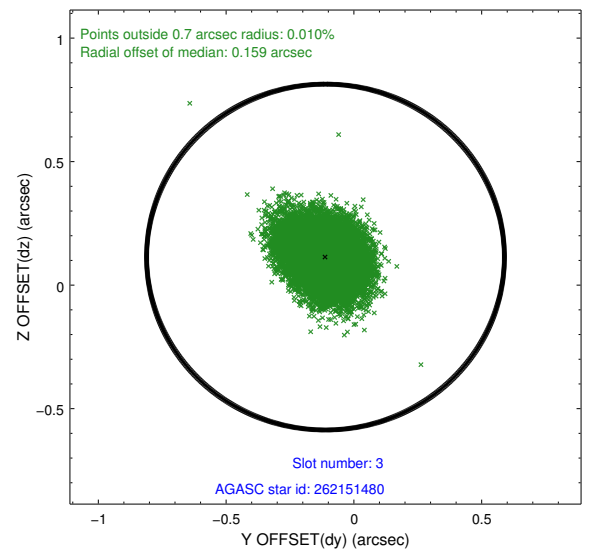
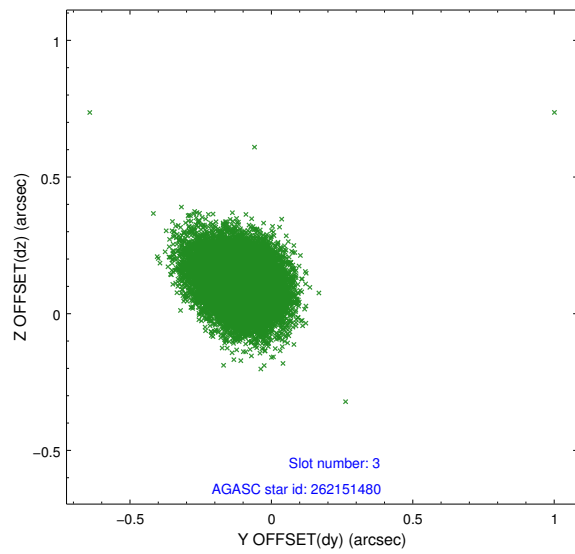
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	9739	0.008	0.009	0.006	0.012	0.000000	0.000000	-755.58	-1728.50
1	FID	ACIS-S-4	6.99	9733	-0.029	-0.006	0.006	0.012	0.000000	0.000000	2157.67	179.93
2	GUIDE	262150416	9.10	19468	0.141	-0.151	0.106	0.179	201.889414	25.009123	-1386.12	2172.49
3	GUIDE	262151480	9.79	19386	-0.111	0.114	0.112	0.186	202.351605	25.364143	369.08	1267.92
4	GUIDE	261753680	10.77	19446	-0.048	0.331	0.224	0.378	203.296424	24.998255	342.11	-2079.92
5	GUIDE	262150304	10.22	19461	-0.152	-0.033	0.233	0.366	202.471266	25.651186	1472.63	1304.35
6	GUIDE	261753088	10.34	19462	0.334	0.081	0.143	0.241	202.363149	24.529737	-2390.99	83.24
7	GUIDE	262150992	10.13	19459	-0.126	-0.314	0.304	0.446	202.117091	25.711028	1232.24	2448.25

2.4 Star Slots

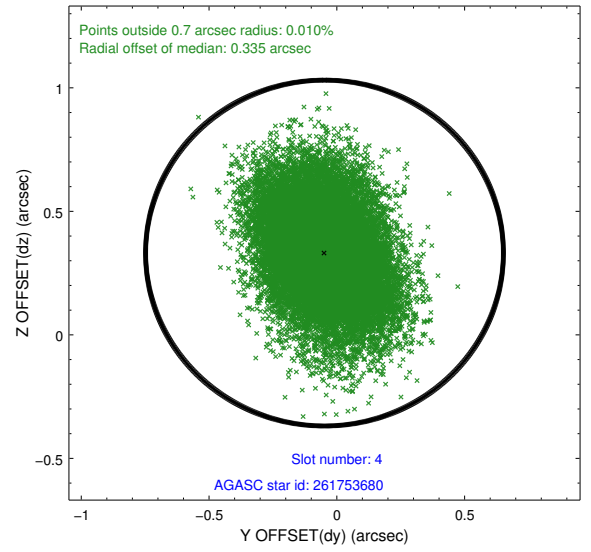
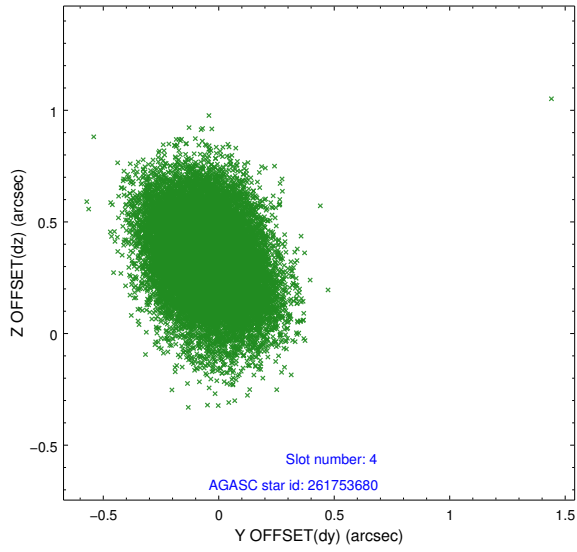
2.4.1 Slot 2



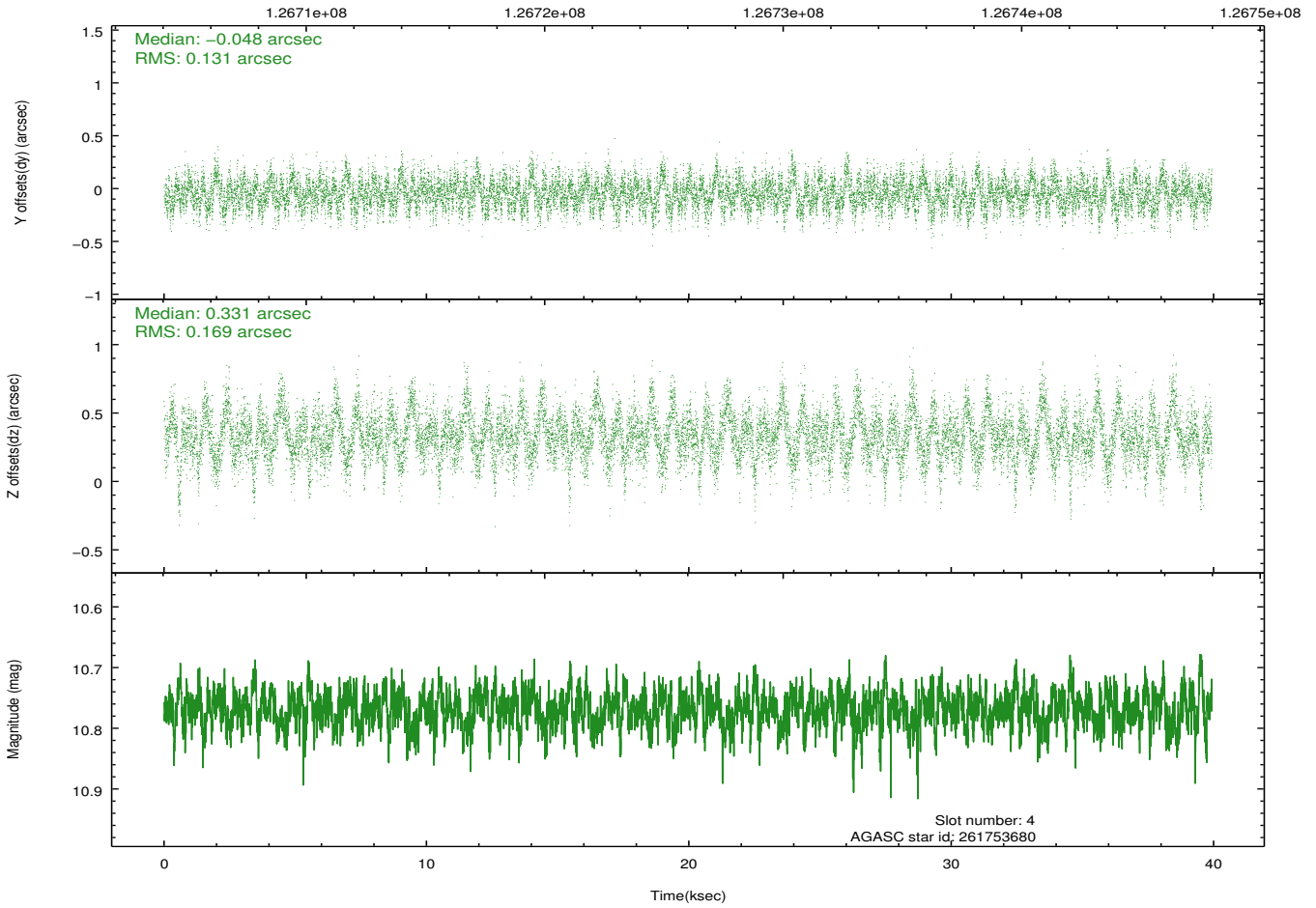
2.4.2 Slot 3



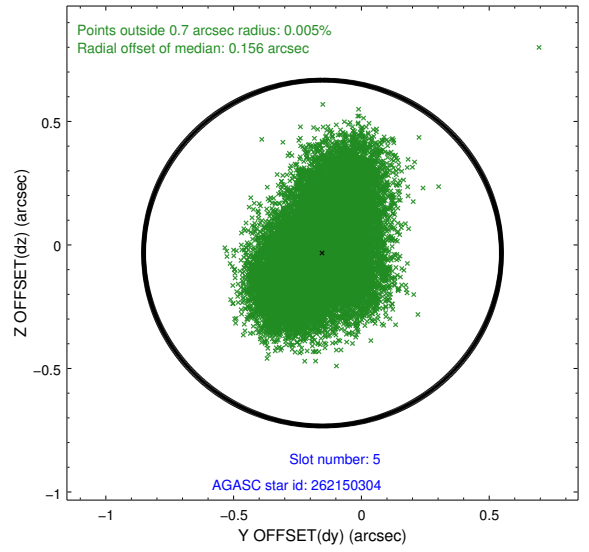
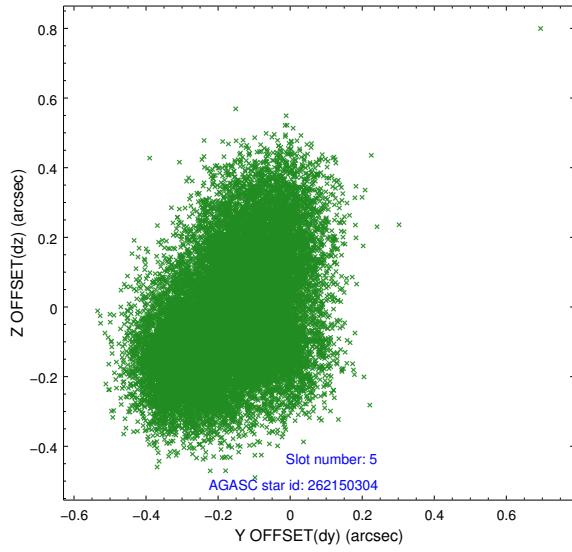
2.4.3 Slot 4



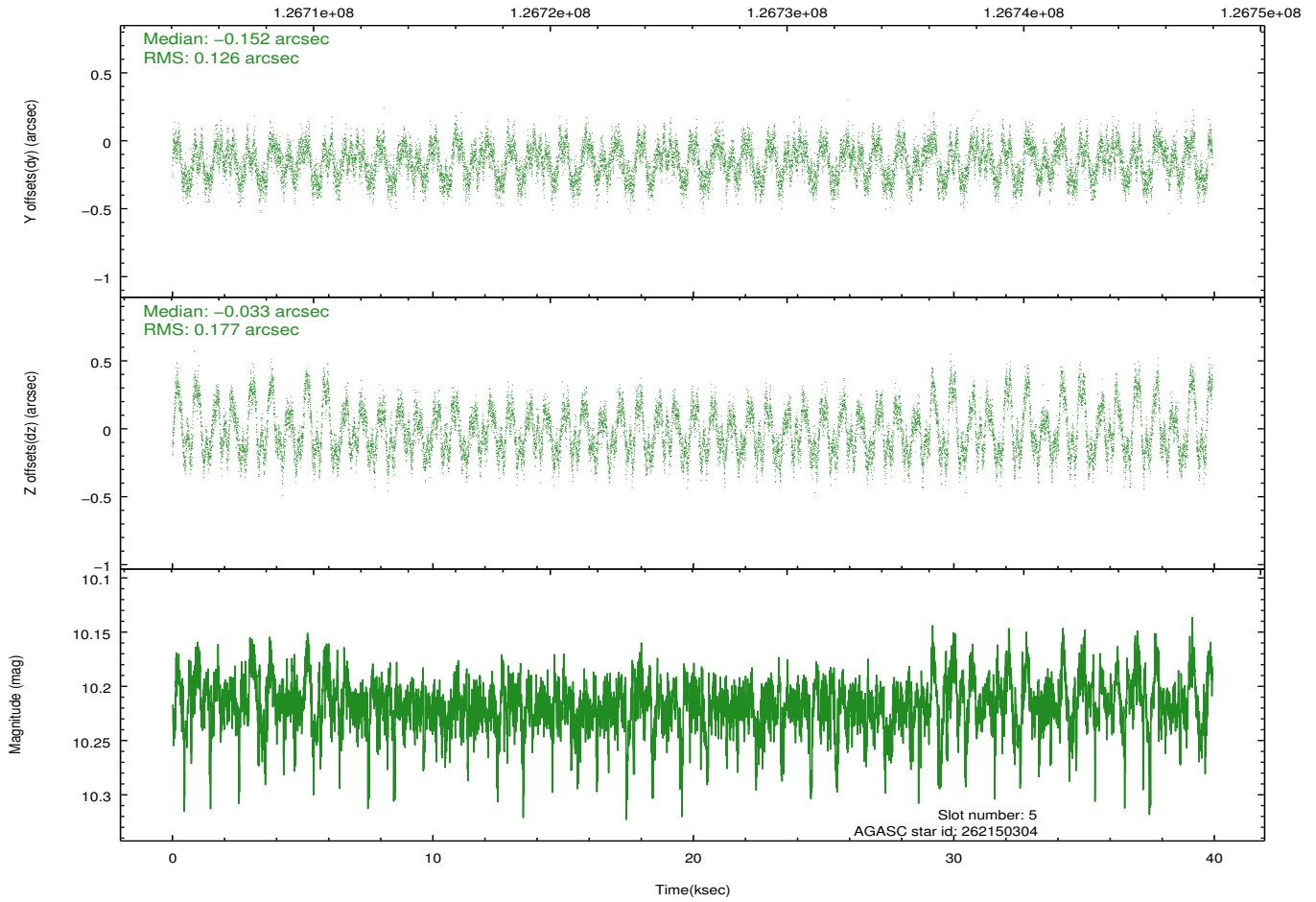
Time (s)



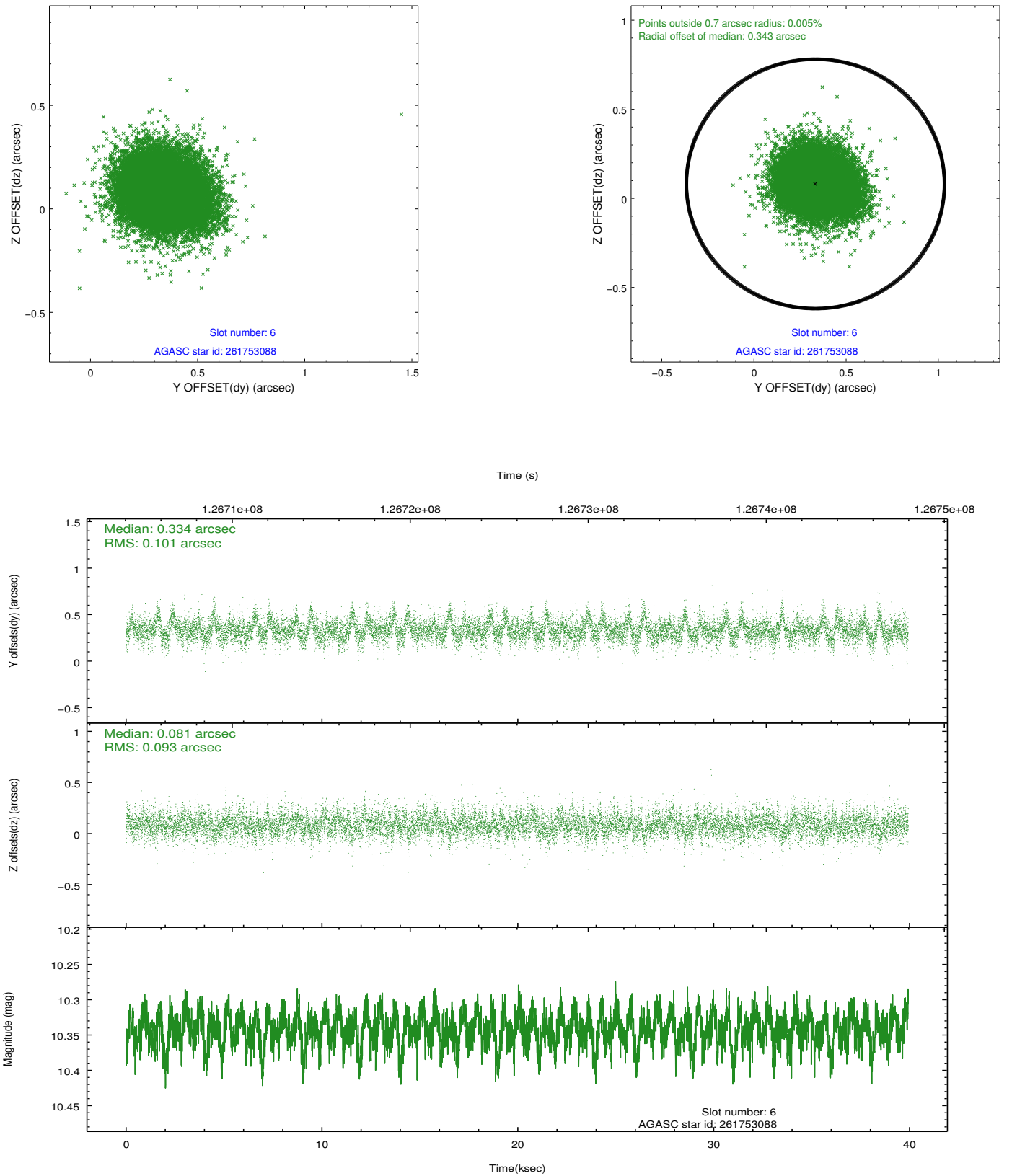
2.4.4 Slot 5



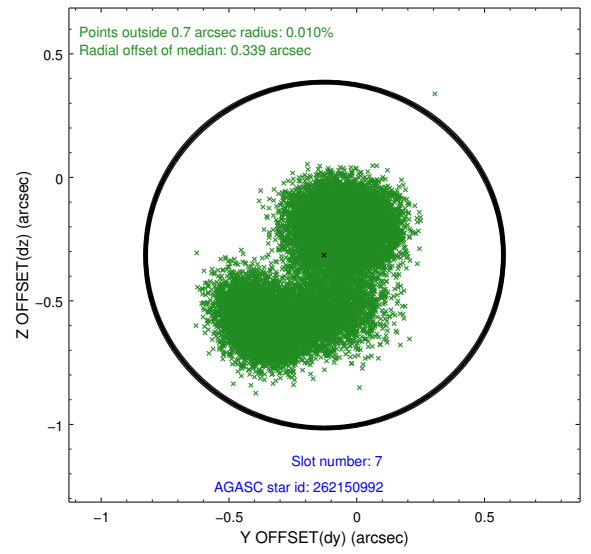
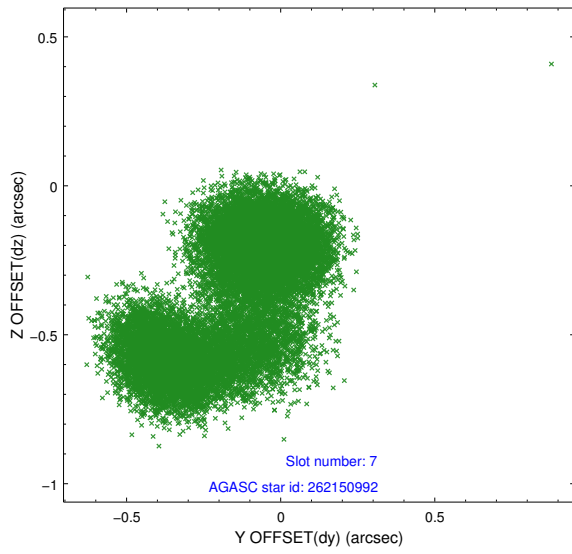
Time (s)



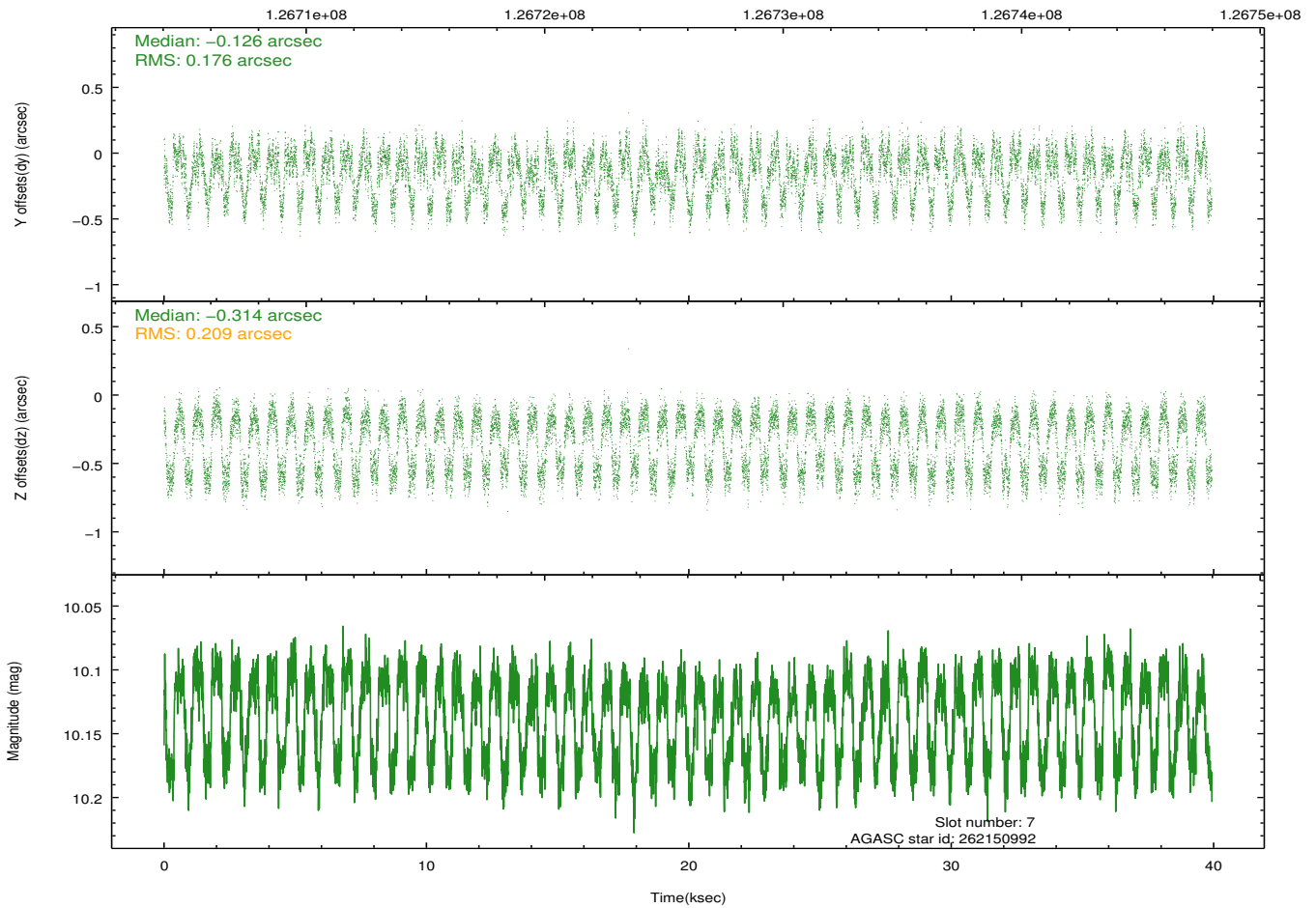
2.4.5 Slot 6



2.4.6 Slot 7

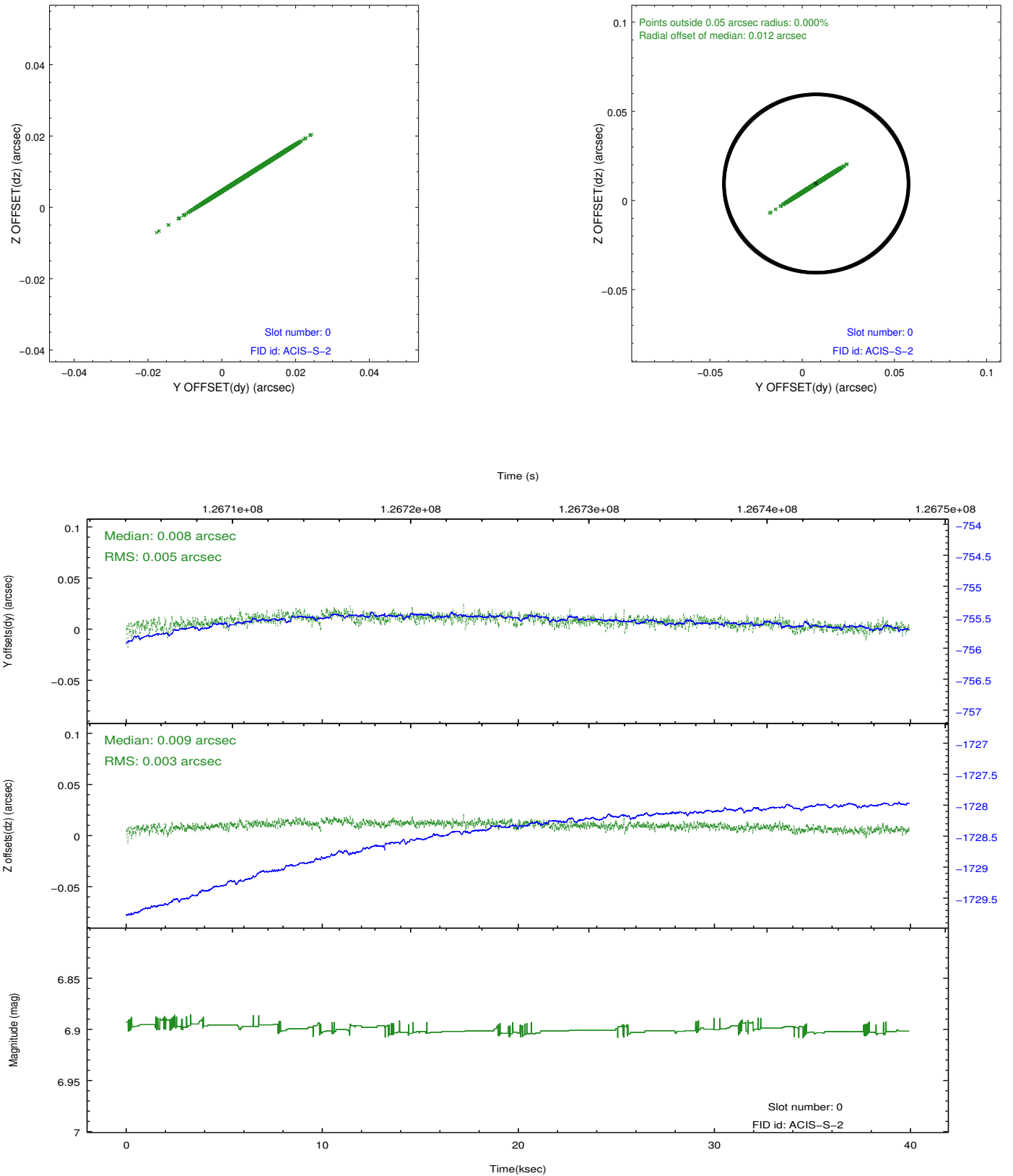


Time (s)

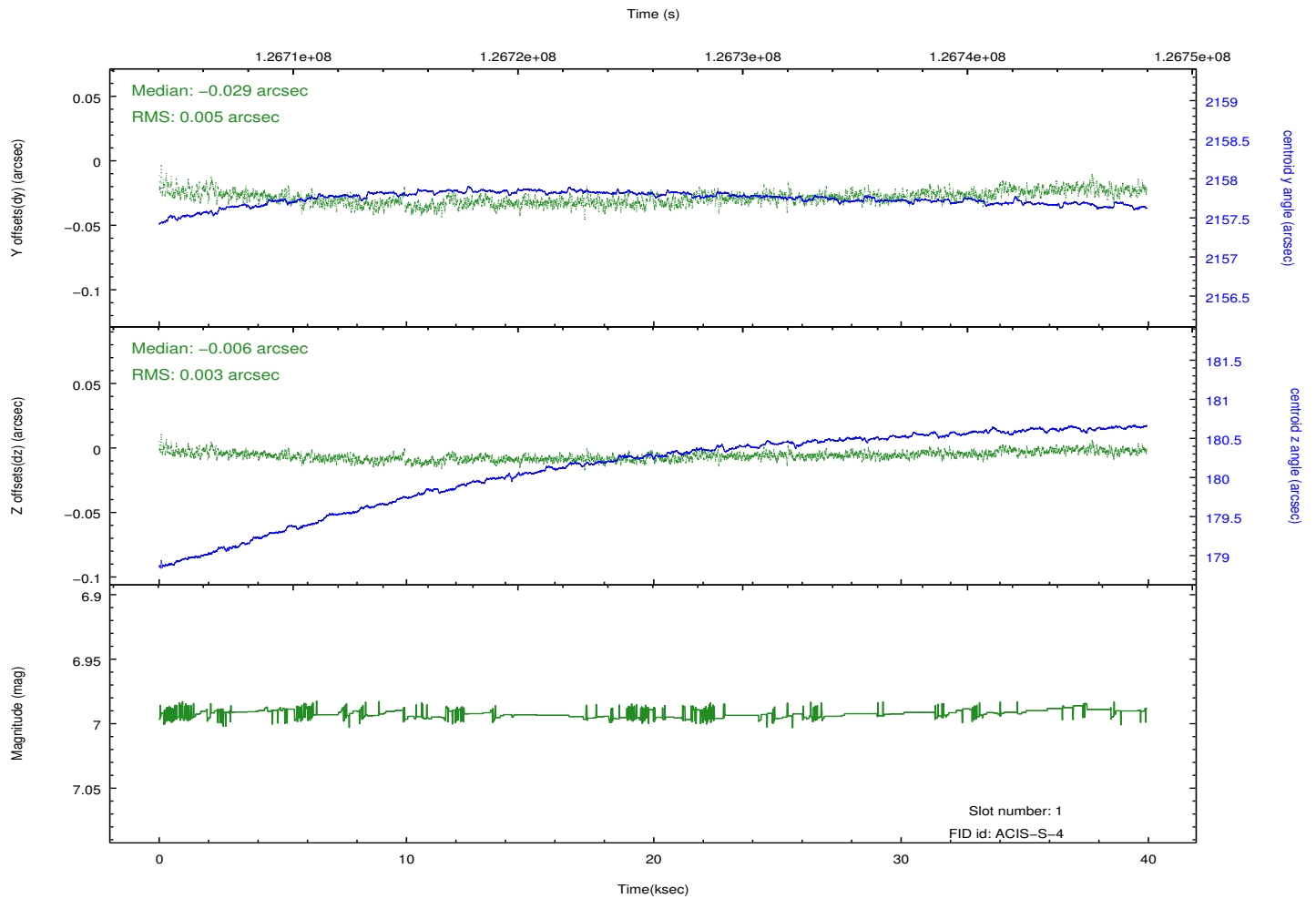
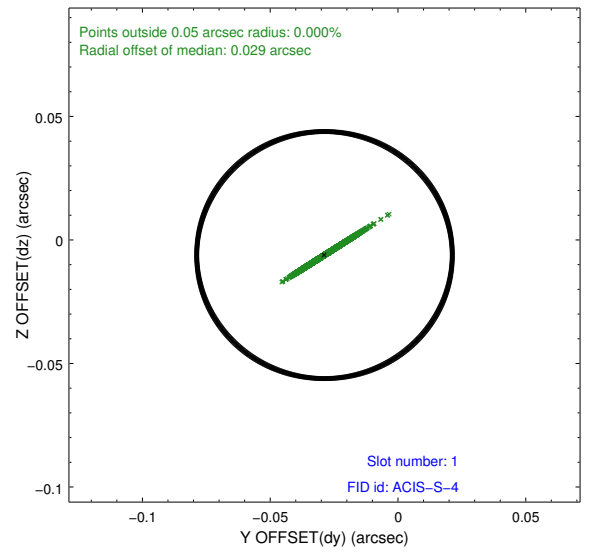
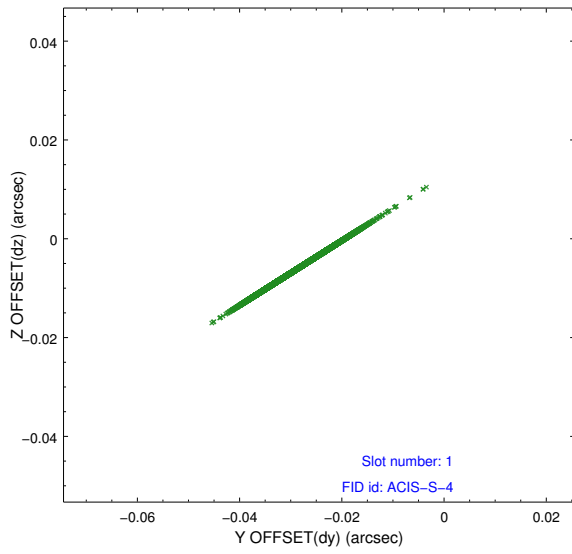


2.5 FID Slots

2.5.1 Slot 0



2.5.2 Slot 1



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.929

A.2 Comments

There are six guide stars and two fidlights for this observation instead of the usual five stars and three fids.

===

Joint Proposal: HST+NOAO