

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9839 - L2 Version 2
Chandra X-Ray Center

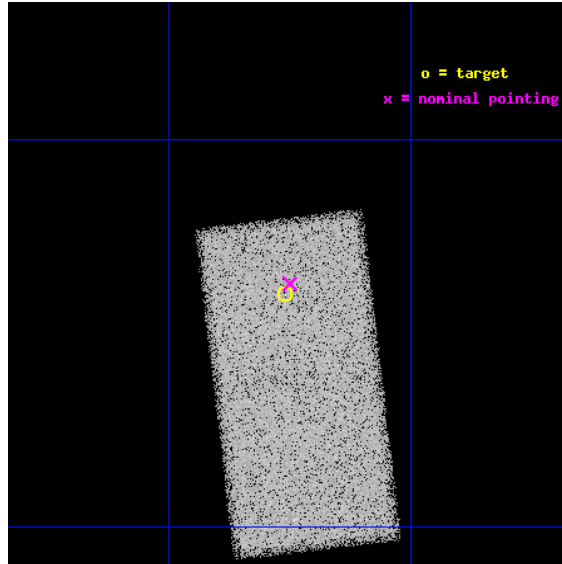
L2 Processing Date : May 11 2012

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 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

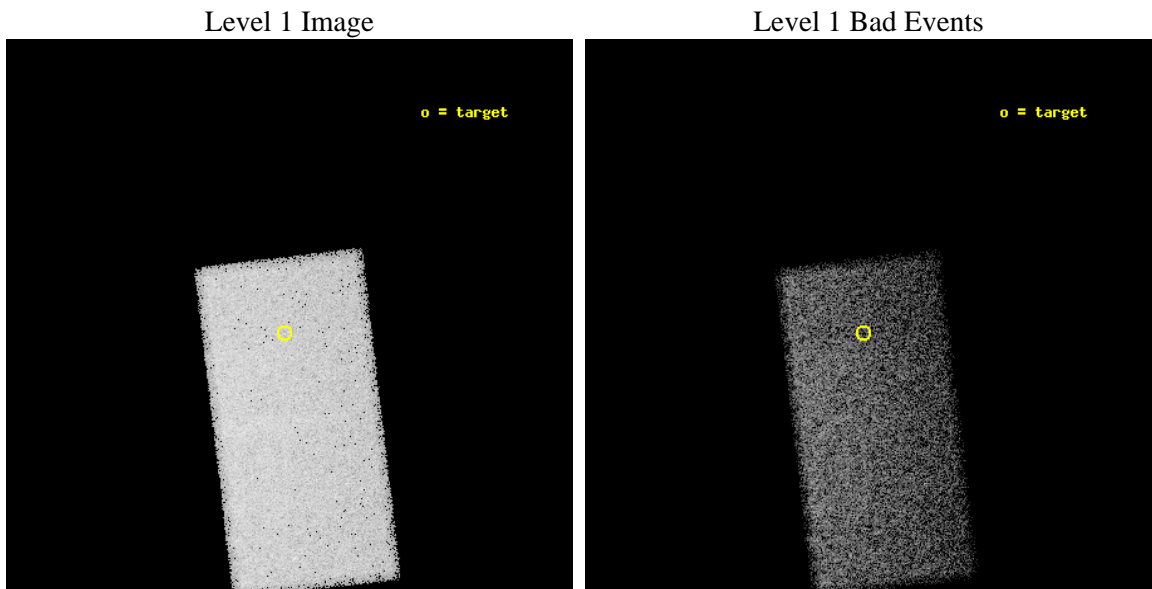
seq_num	400841	Sequence number
obs_id	9839	Observation id
title	Following a black hole candidate X-ray transient to quiescence	Pro
observer	dr Peter Jonker	Principal investigator
object	H 1743-322	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.565	Observer's specified target RA [deg]
dec_targ	-32.2333	Observer's specified target Dec [deg]
ra_nom	266.56258642033	Nominal RA [deg]
dec_nom	-32.228879135013	Nominal Dec [deg]
roll_nom	83.155341865445	Nominal Roll [deg]
revision	2	Processing version of data
ontime	29455.5	Sum of GTIs [s]
livetime	28671.059803769	Livetime [s]
ontime7	29455.5	Sum of GTIs [s]
l2events	84793	Number of level 2 events



2 OBI

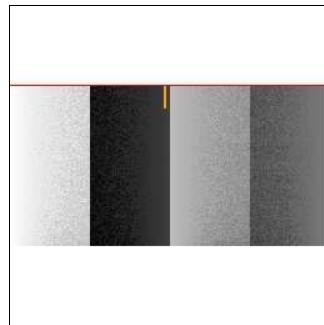
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	29300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	29455.5	Sum of GTIs [s]
caldbver	4.4.9	 	ontime7	29455.5	Sum of GTIs [s]
date	2012-05-12T00:51:25	Date and time of file creation	l1events	205803	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

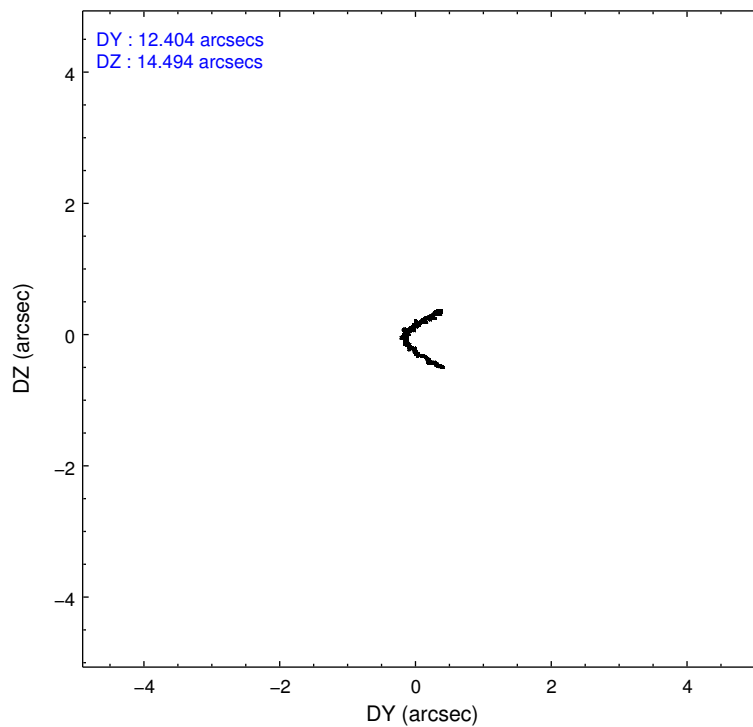
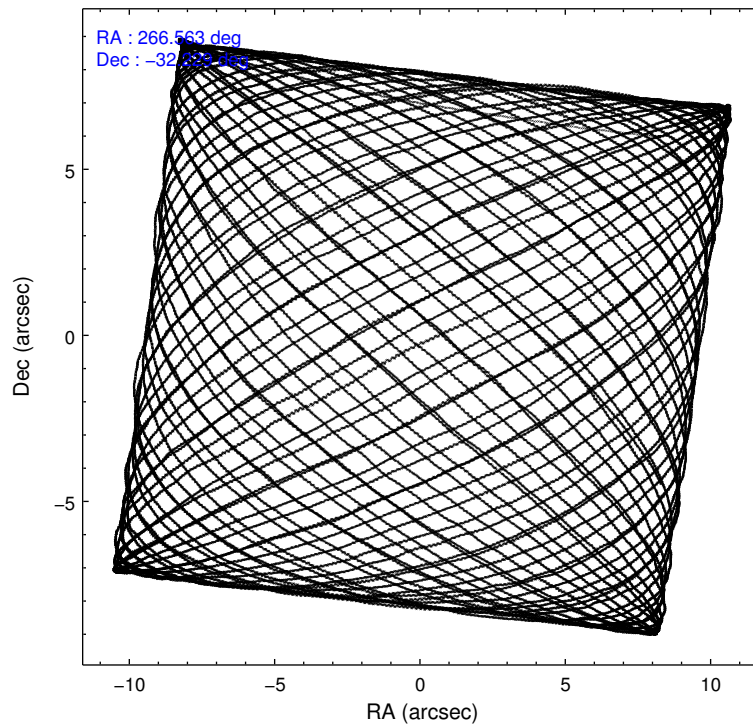
	ccd 7
level 1 events	205803
rejected events	118718
rejected %	57%

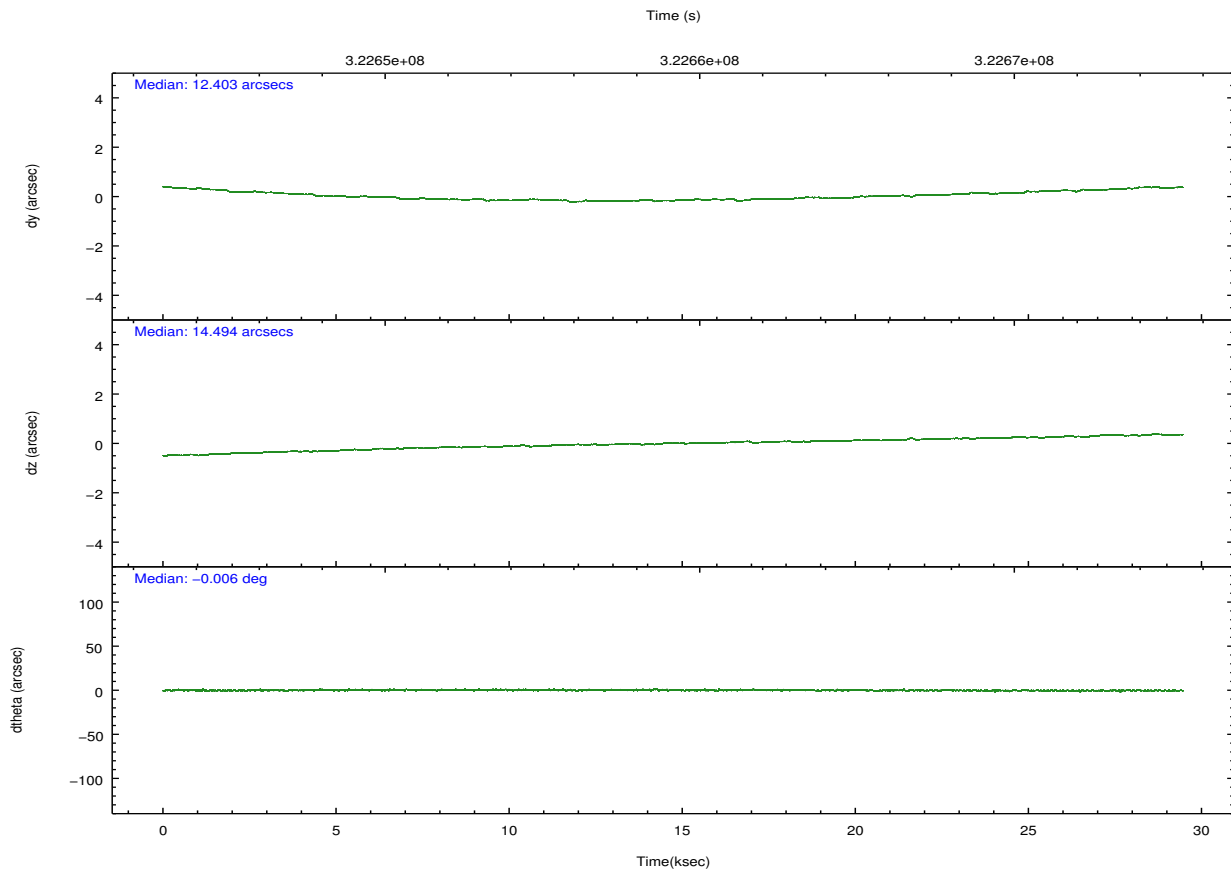
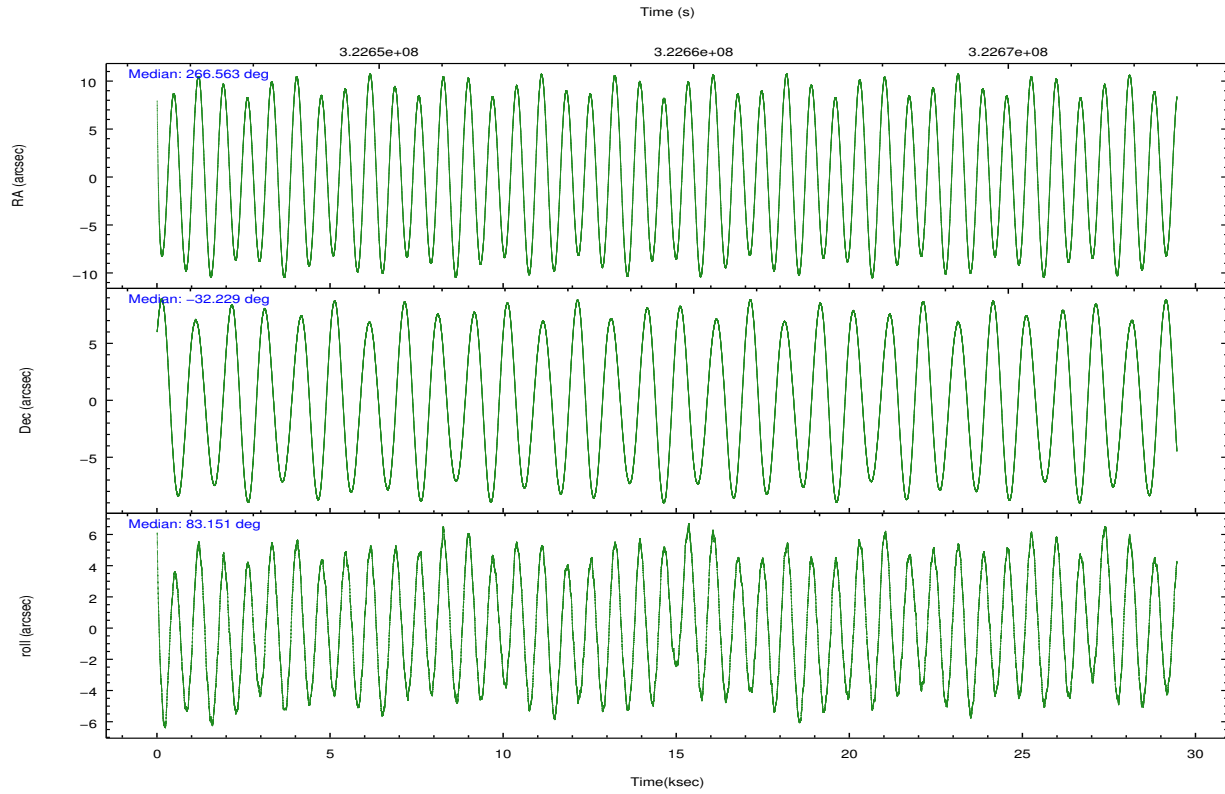
	ccd 7
grade 0 events	8131
	3%
grade 1 events	233
	0%
grade 2 events	18472
	8%
grade 3 events	8493
	4%
grade 4 events	8423
	4%
grade 5 events	19751
	9%
grade 6 events	46168
	22%
grade 7 events	96132
	46%

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	266.575708	266.5625864203347	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	-32.253897	-32.22887913501338	Subarray start row	257	257
[deg] Pointing Roll	83.005718	83.15534186544507	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)	322644580.184000	322643521.68547			
Observation start date	2008-03-23T07:28:35	2008-03-23T07:12:01			
[s] Observation end time (MET)	322673880.184000	322674572.01198			
Observation end date	2008-03-23T15:36:55	2008-03-23T15:49:32			
Read mode	TIMED	TIMED			

2.3 Aspect



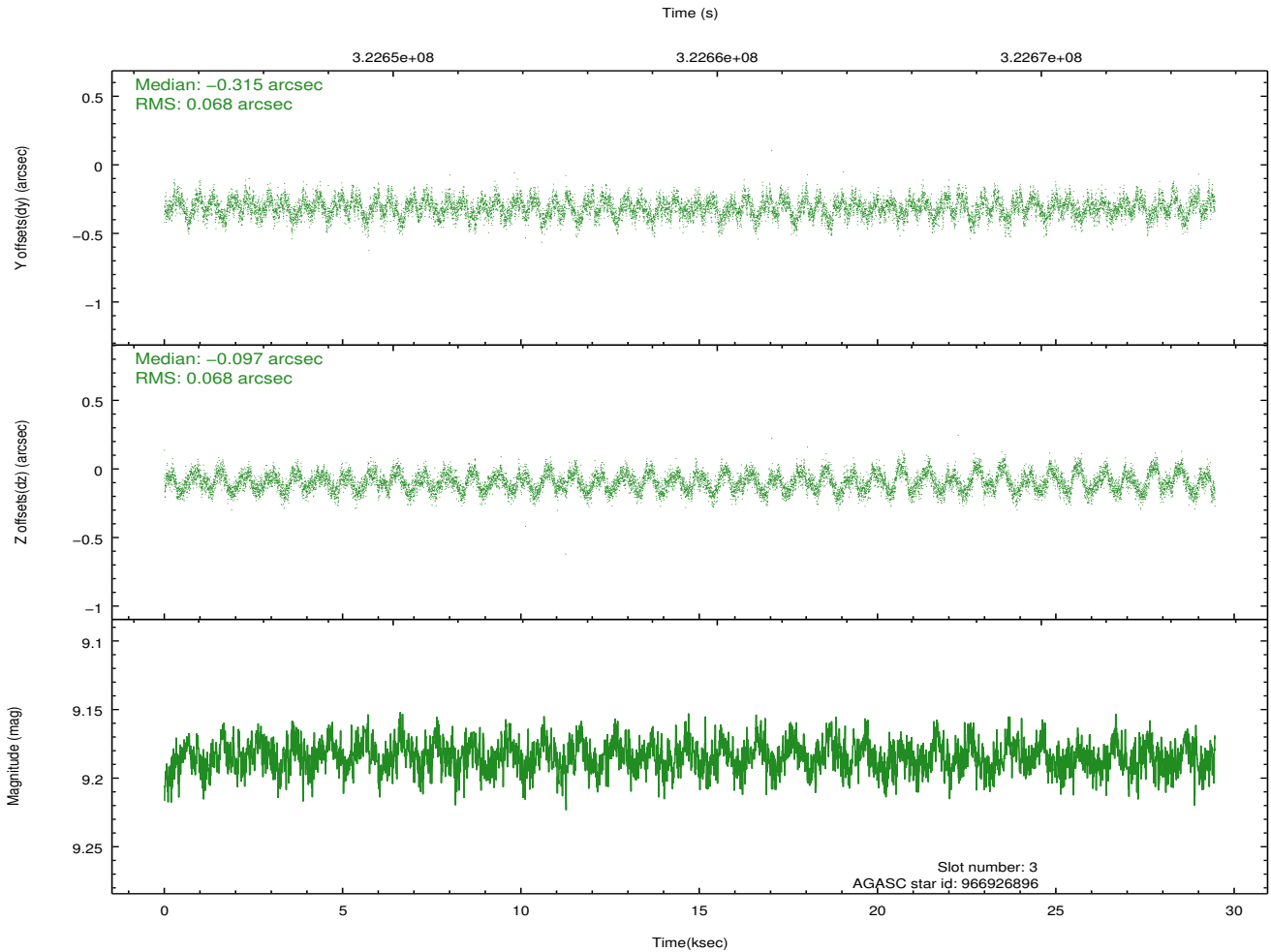
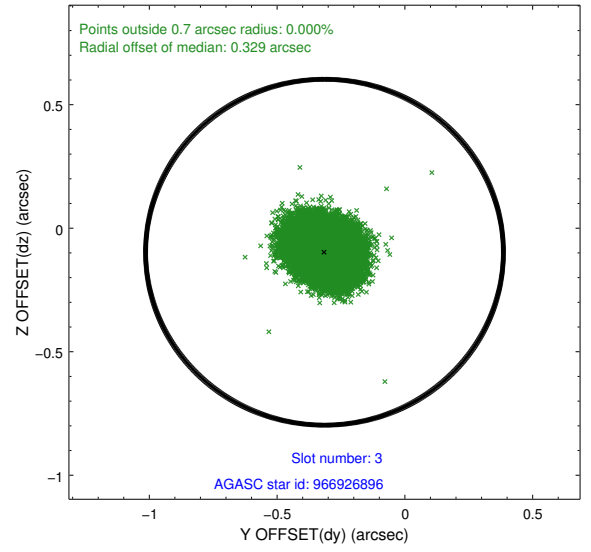
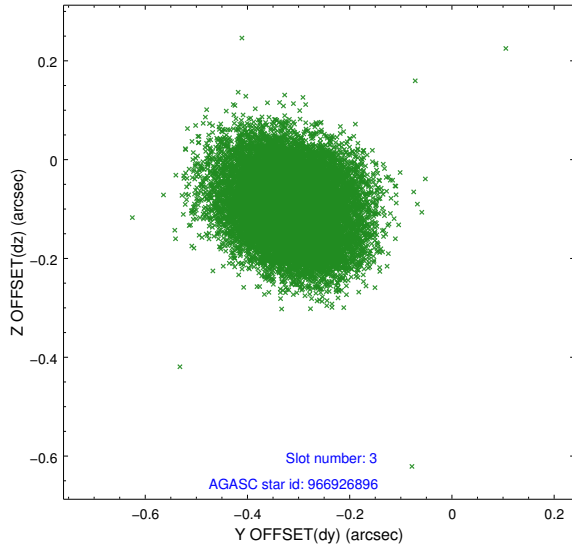


Slot Statistics

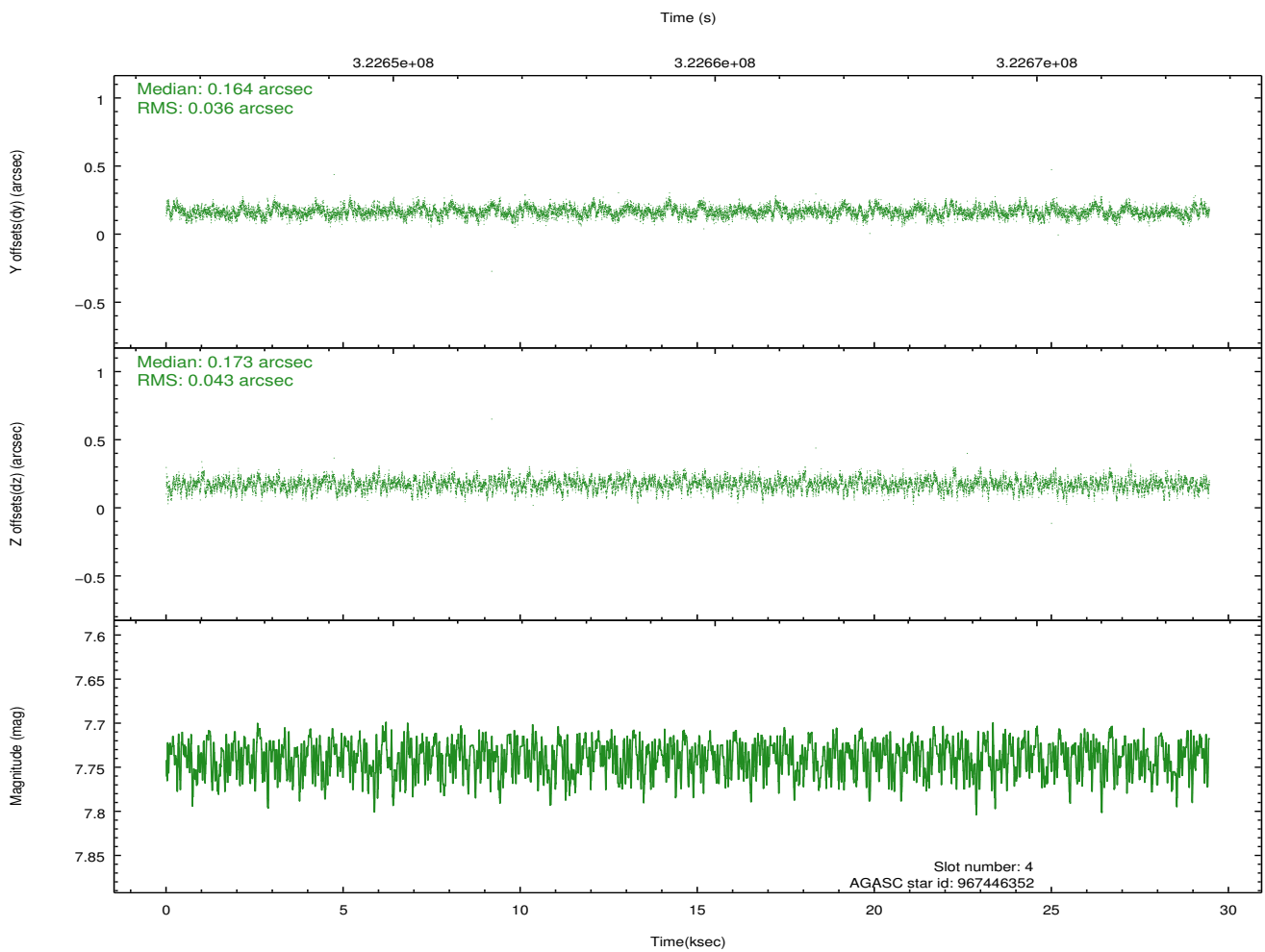
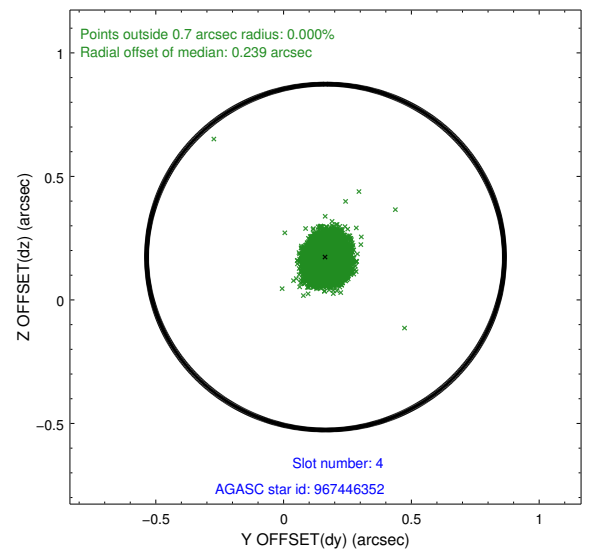
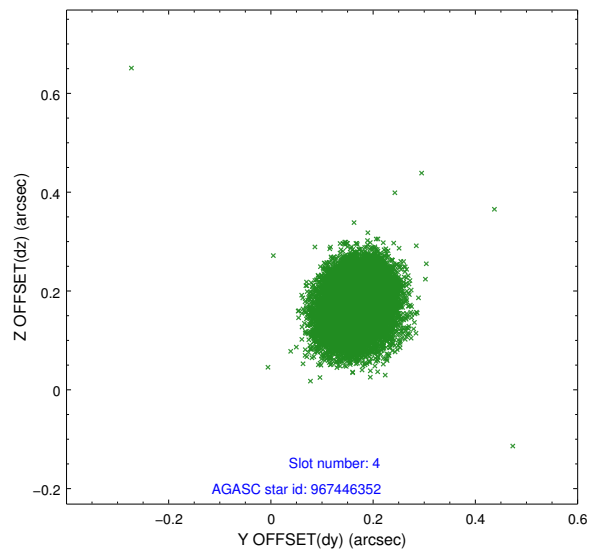
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	7185	0.072	-0.041	0.012	0.024	0.000000	0.000000	930.79	-1731.50
1	FID	ACIS-S-5	7.23	7186	-0.120	0.050	0.010	0.017	0.000000	0.000000	-1818.38	166.04
2	FID	ACIS-S-6	7.32	7183	0.027	0.004	0.014	0.025	0.000000	0.000000	396.19	810.06
3	GUIDE	966926896	9.18	14358	-0.315	-0.097	0.104	0.162	266.197771	-31.663459	1966.36	1408.16
4	GUIDE	967446352	7.74	14359	0.164	0.173	0.059	0.096	267.069988	-32.671157	-1311.94	-1669.68
5	GUIDE	967447616	9.29	14351	0.184	0.422	0.104	0.172	267.260141	-32.889782	-2026.61	-2333.07
6	GUIDE	966927176	9.02	14363	-0.173	-0.206	0.144	0.203	265.946853	-31.673679	1832.67	2165.90
7	GUIDE	967448136	8.83	14361	0.136	-0.293	0.085	0.134	265.900071	-32.546602	-1301.88	1905.79

2.4 Star Slots

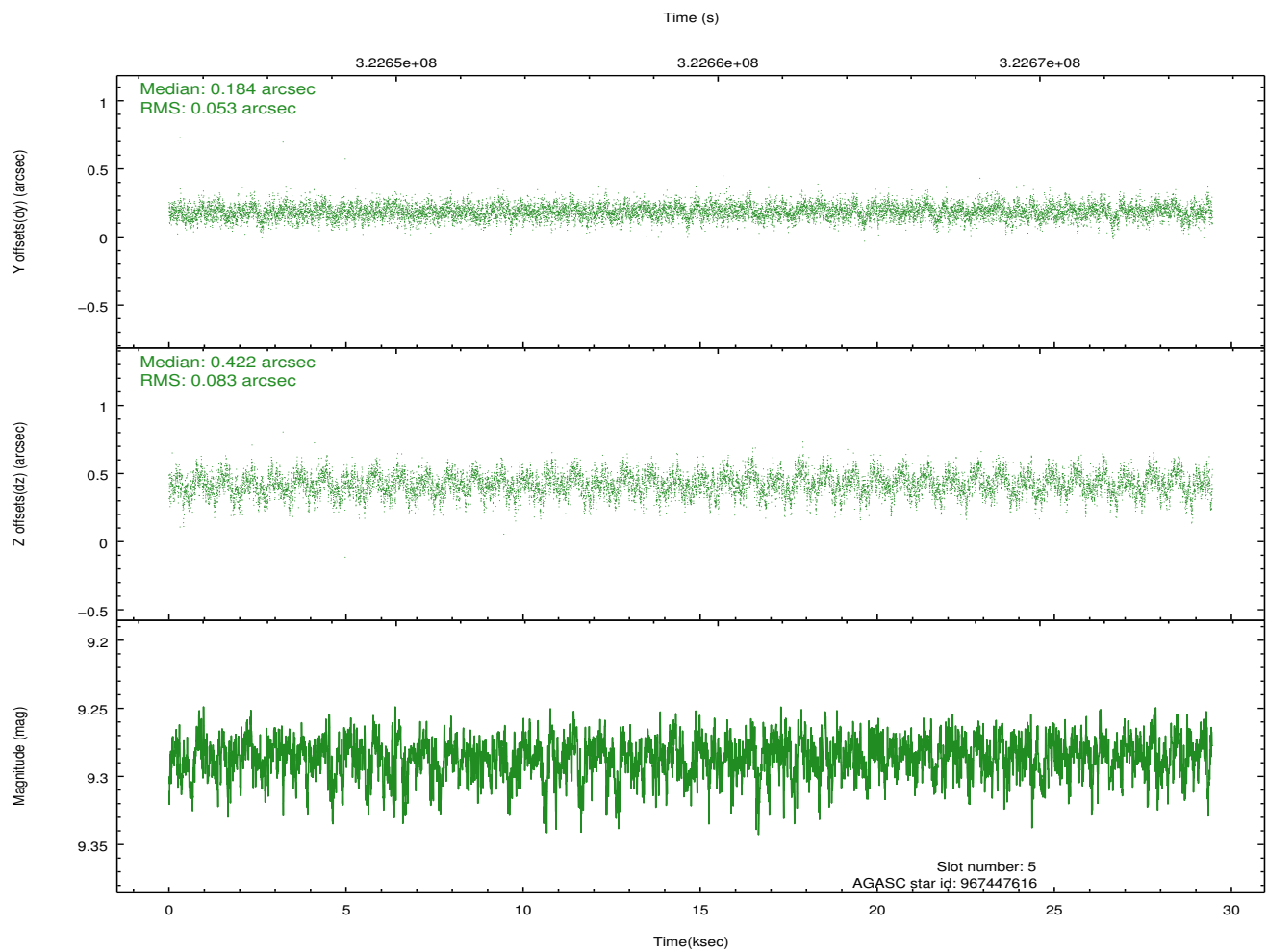
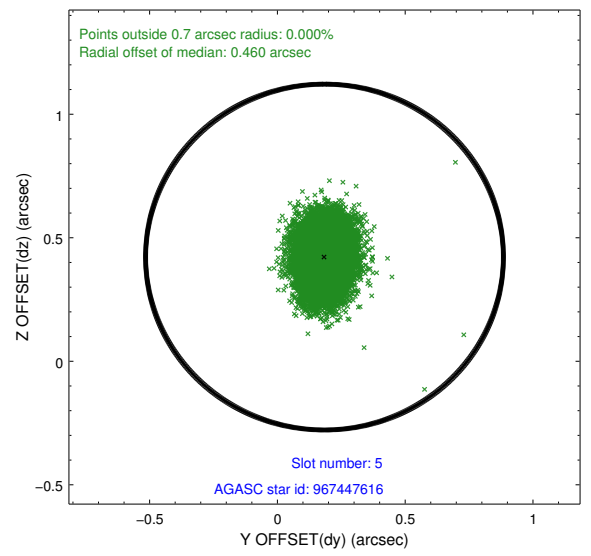
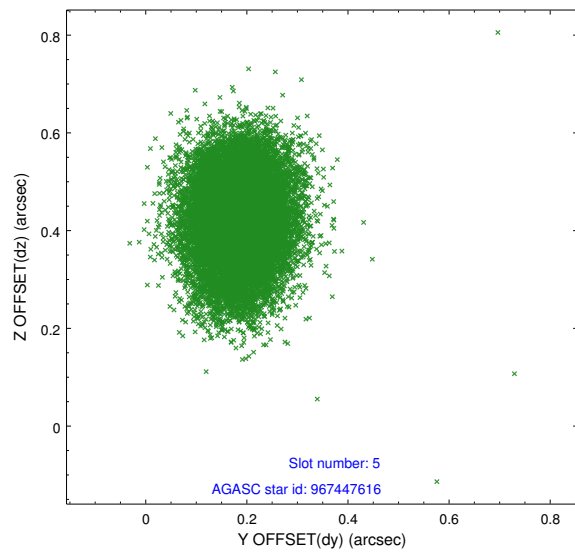
2.4.1 Slot 3



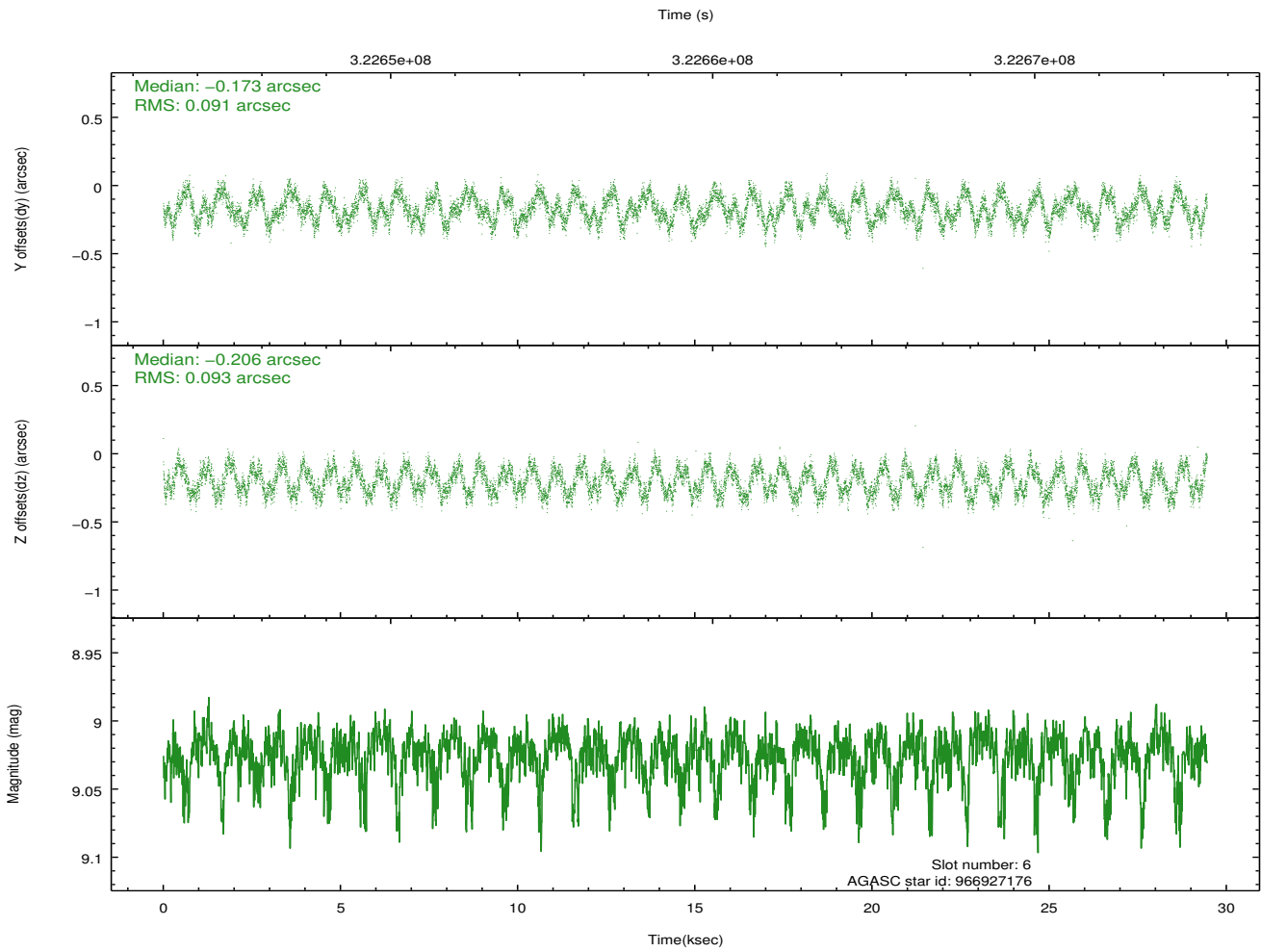
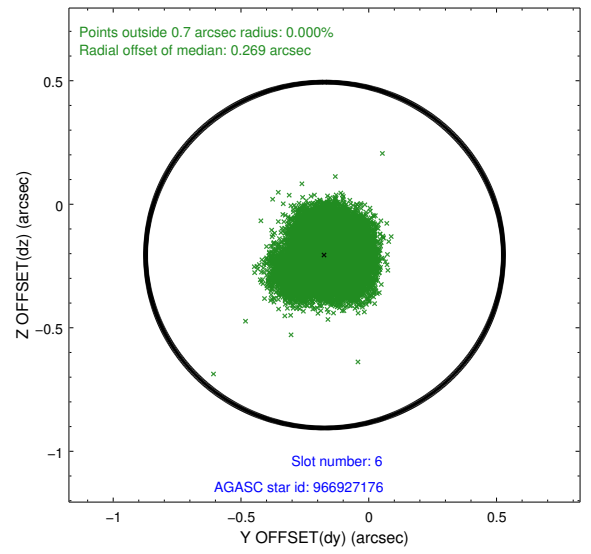
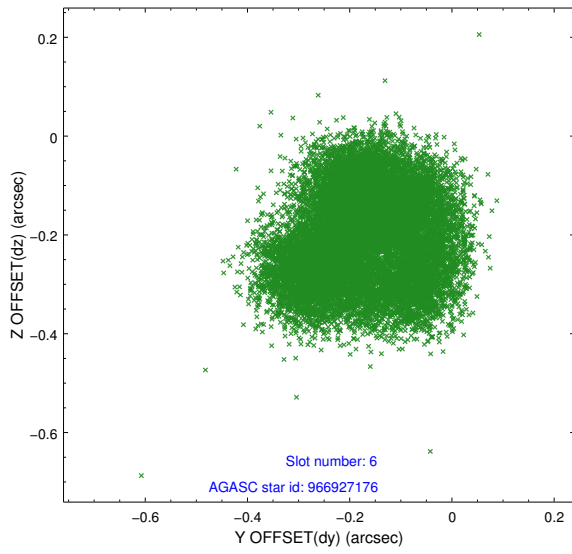
2.4.2 Slot 4



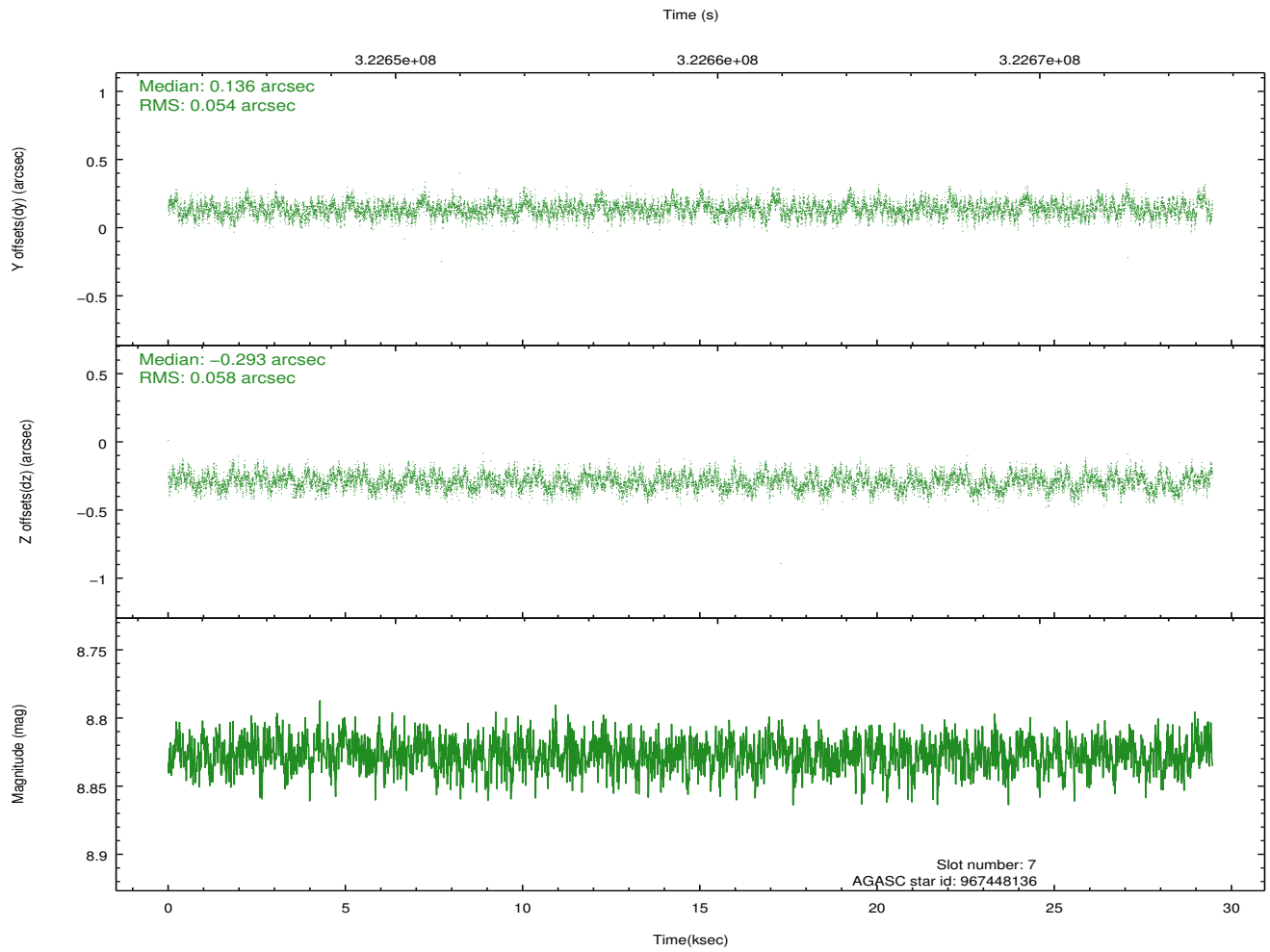
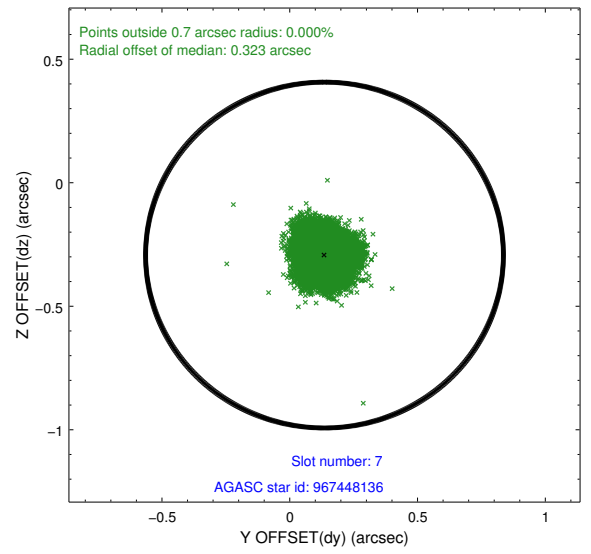
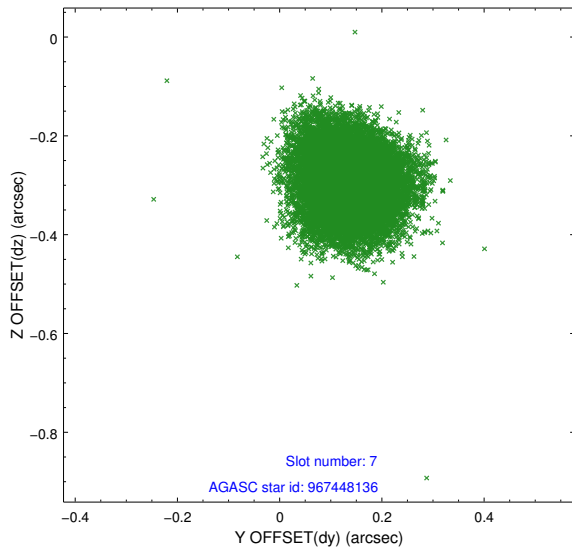
2.4.3 Slot 5



2.4.4 Slot 6

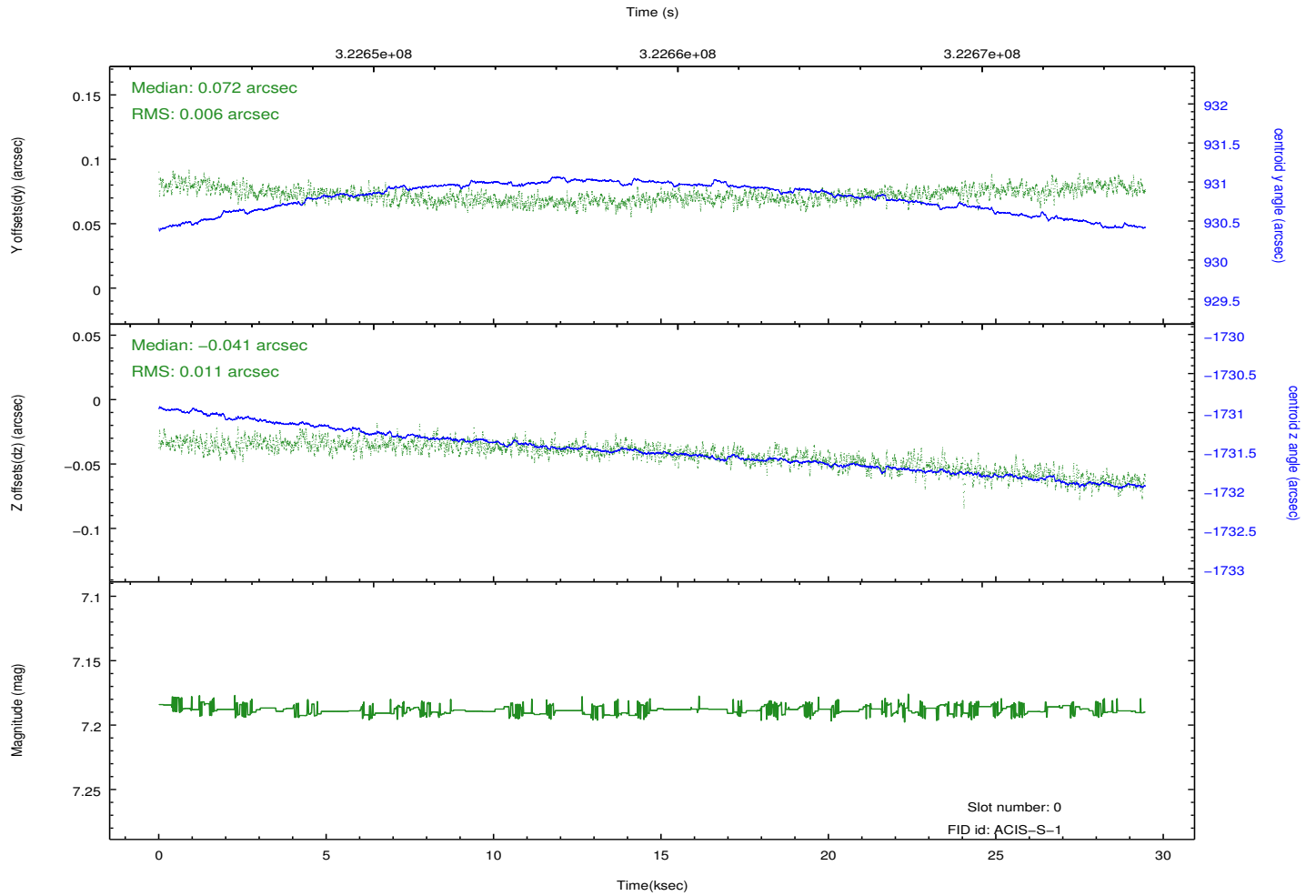
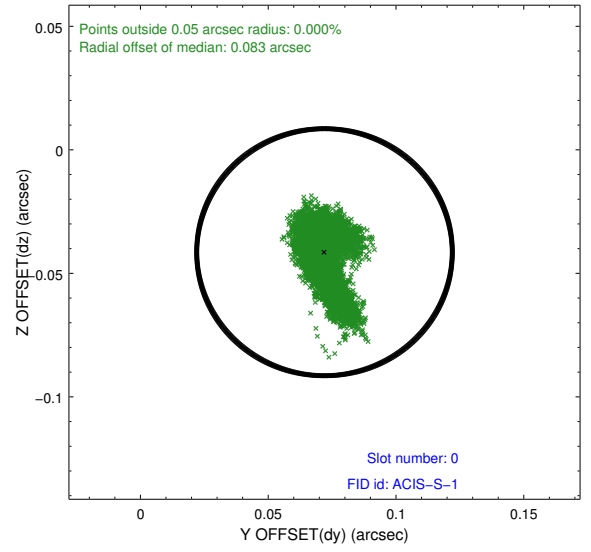
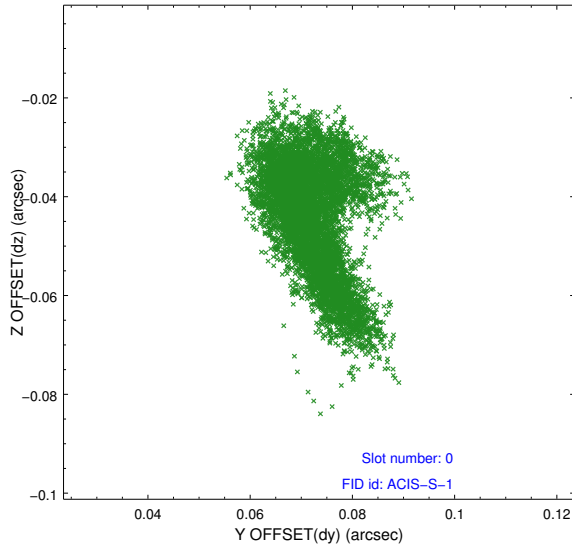


2.4.5 Slot 7

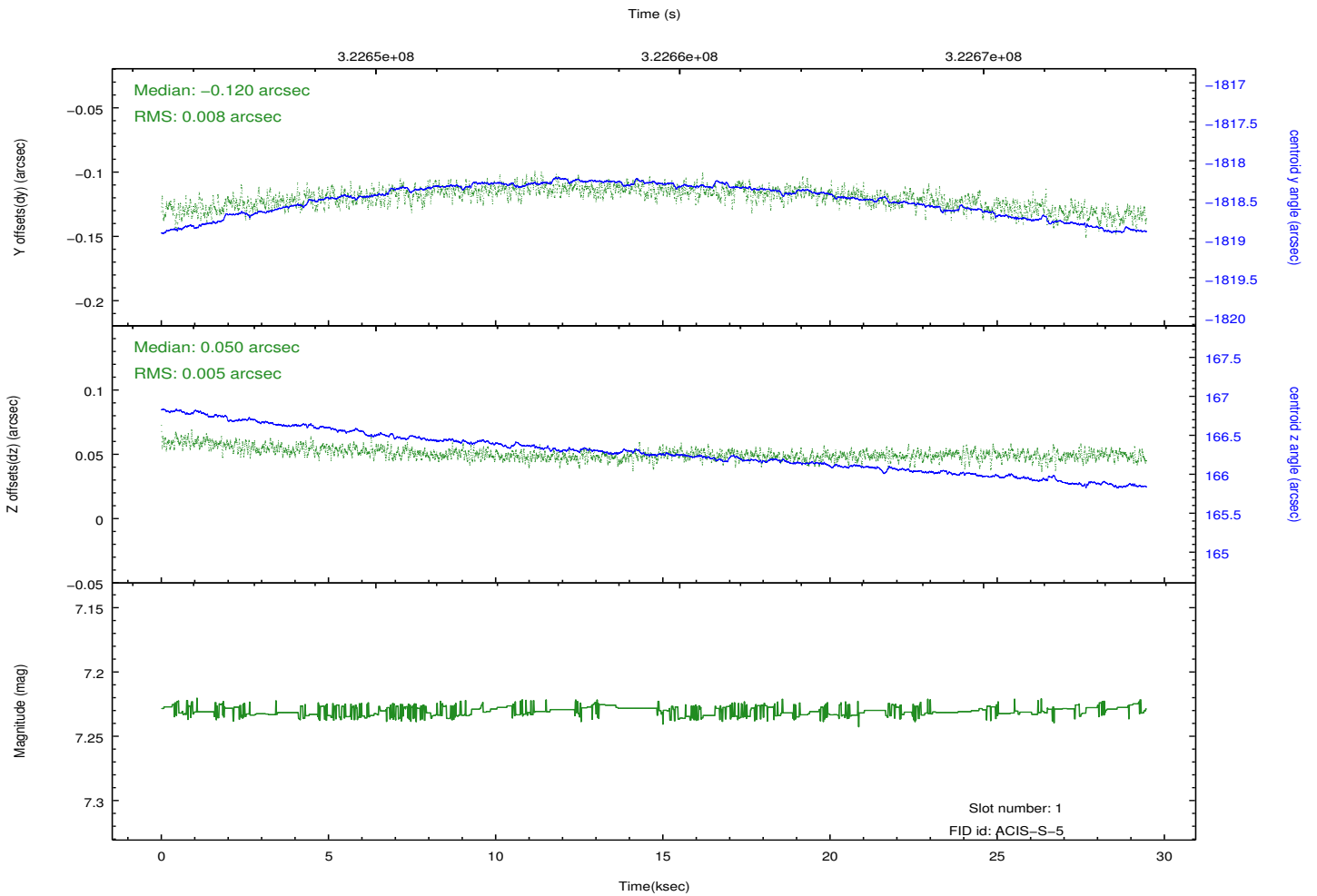
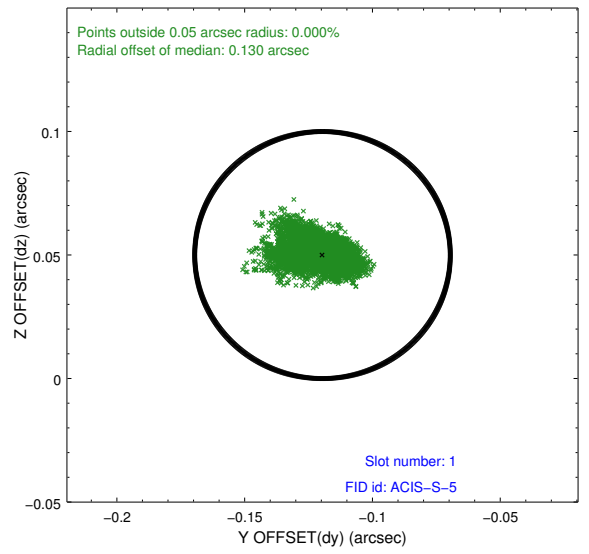
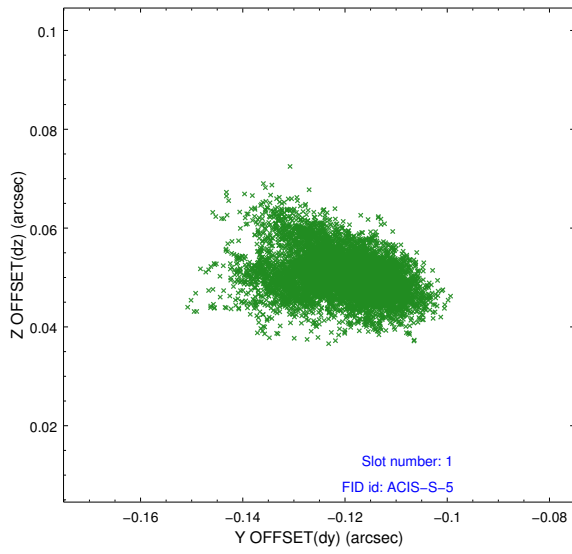


2.5 FID Slots

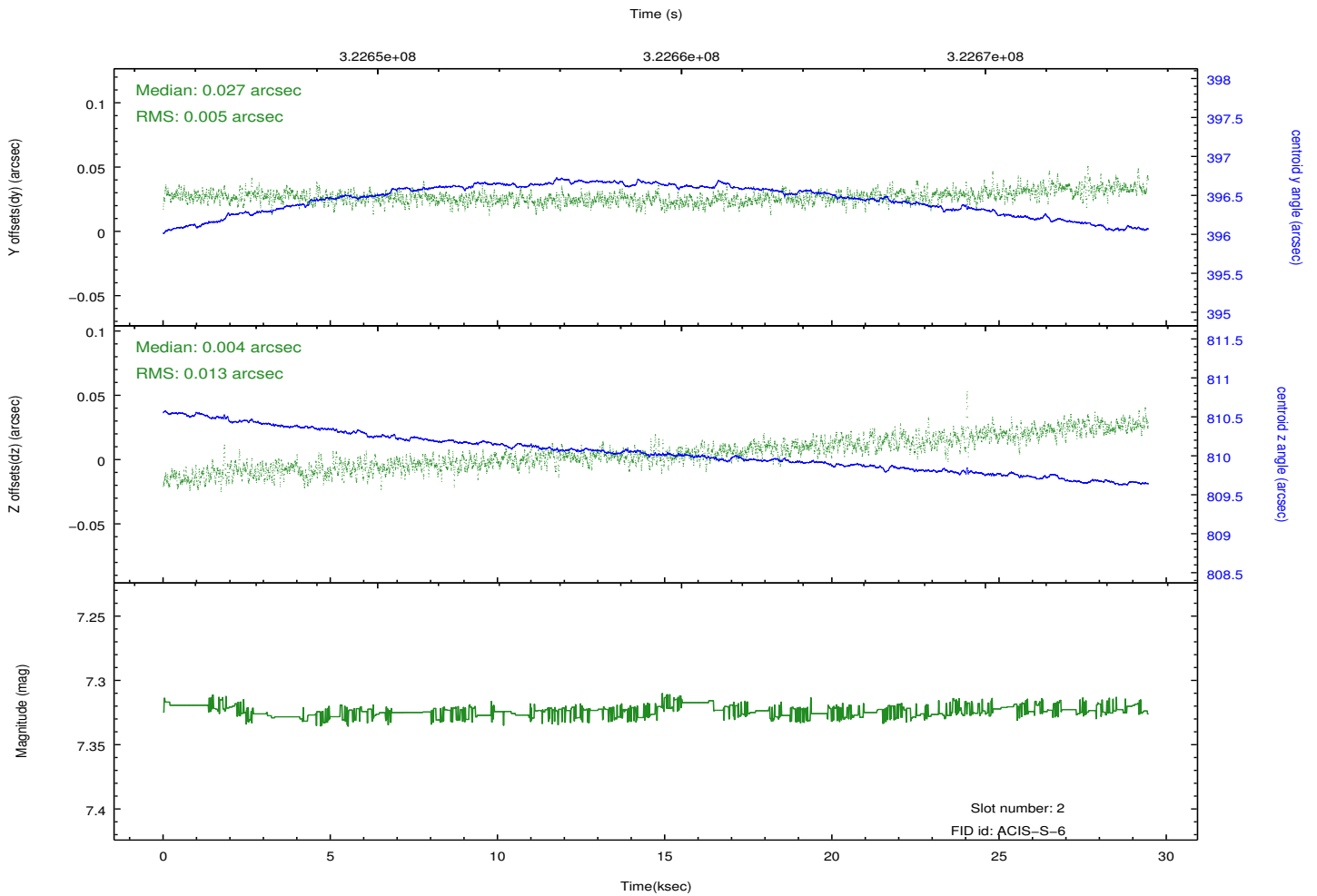
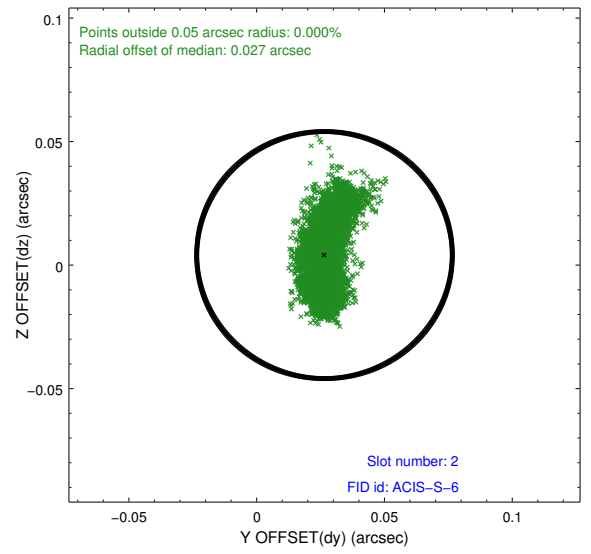
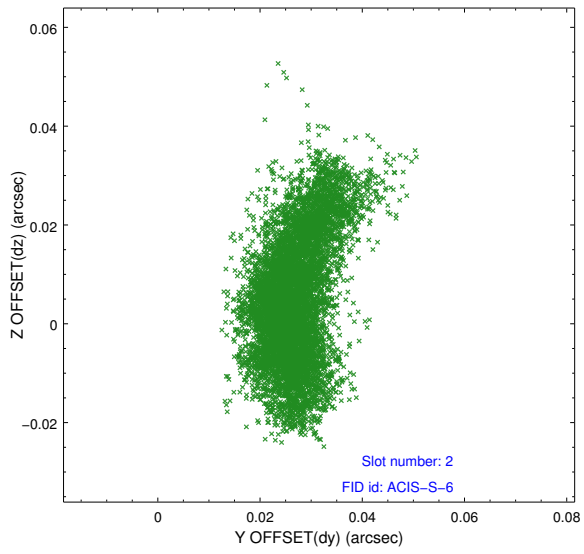
2.5.1 Slot 0



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)	2012.05.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.4555

A.2 Comments

Joint Proposal: NRAO