

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4009 - L2 Version 4
Chandra X-Ray Center

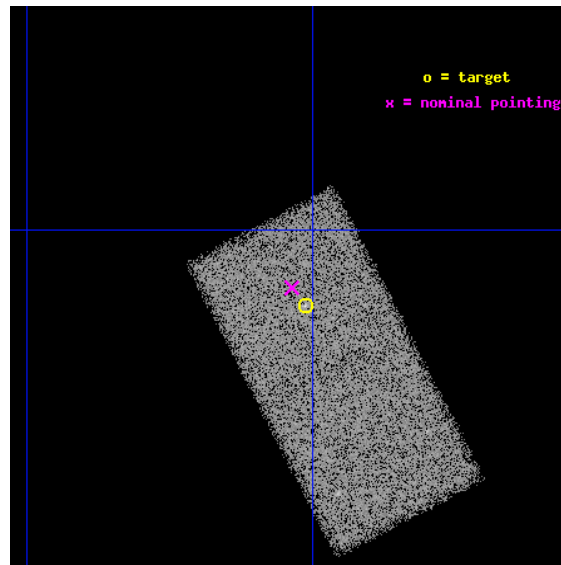
L2 Processing Date : Oct 20 2012

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1 Front

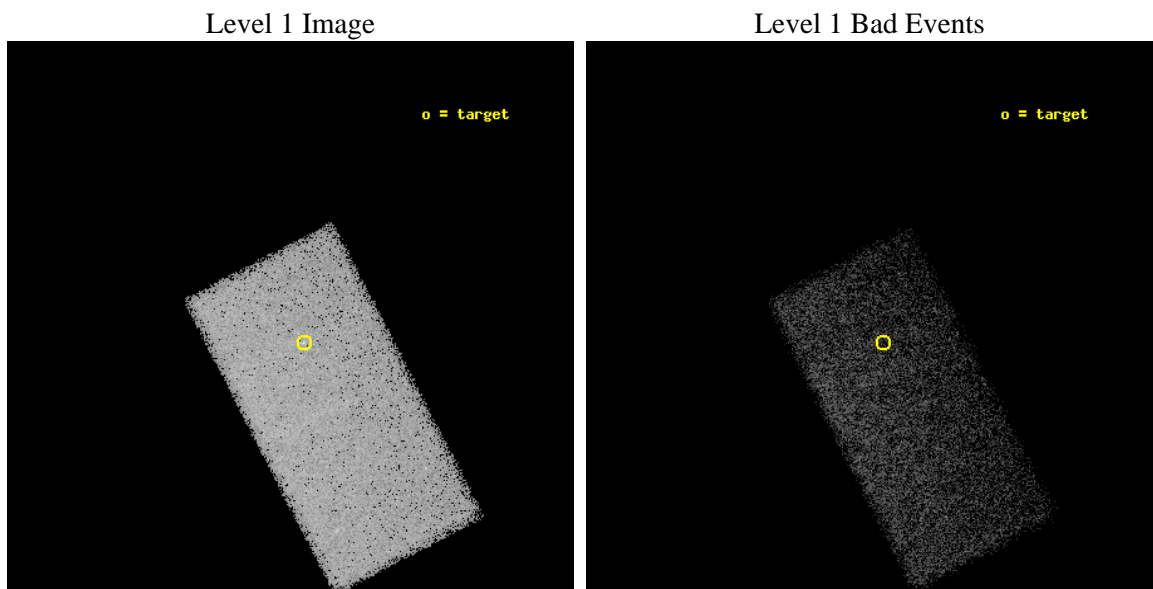
seq_num	700688	Sequence number
obs_id	4009	Observation id
title	QUIESCENT SUPERMASSIVE BLACK HOLES	Proposal title
observer	Dr. Giuseppina Fabbiano	Principal investigator
object	NGC 5845	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	226.503333	Observer's specified target RA [deg]
dec_targ	1.633889	Observer's specified target Dec [deg]
ra_nom	226.50920206278	Nominal RA [deg]
dec_nom	1.6415494001232	Nominal Dec [deg]
roll_nom	62.586557527531	Nominal Roll [deg]
revision	4	Processing version of data
ontime	30788.442111284	Sum of GTIs [s]
liveltime	29968.503846055	Livetime [s]
ontime7	30788.442111284	Sum of GTIs [s]
l2events	55934	Number of level 2 events



2 OBI

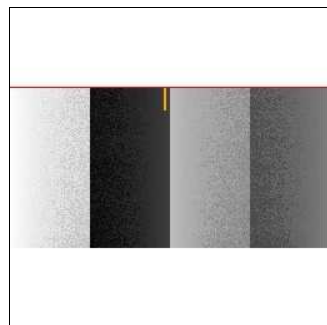
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	30788.442111284	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	30788.442111284	Sum of GTIs [s]
date	2012-10-20T16:50:50	Date and time of file creation	l1events	131462	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

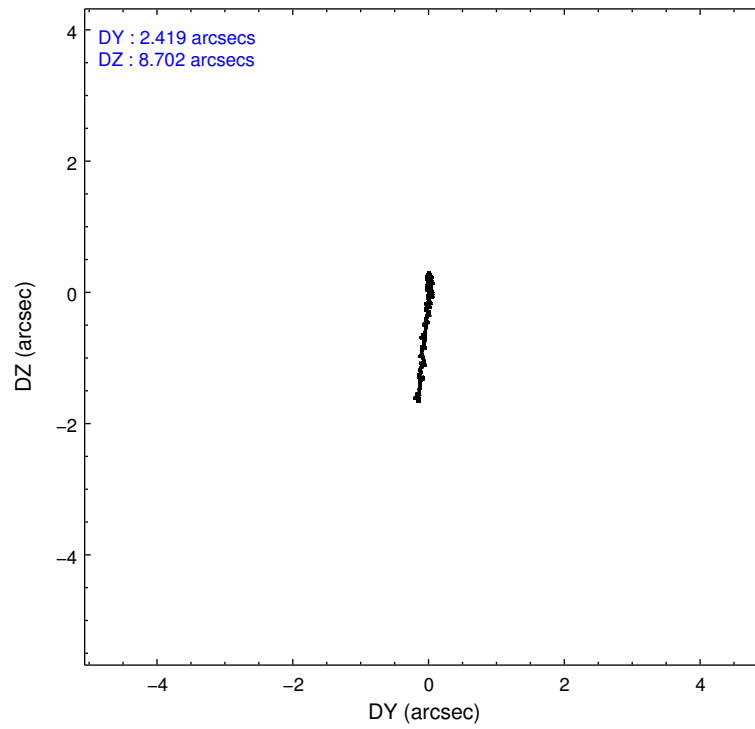
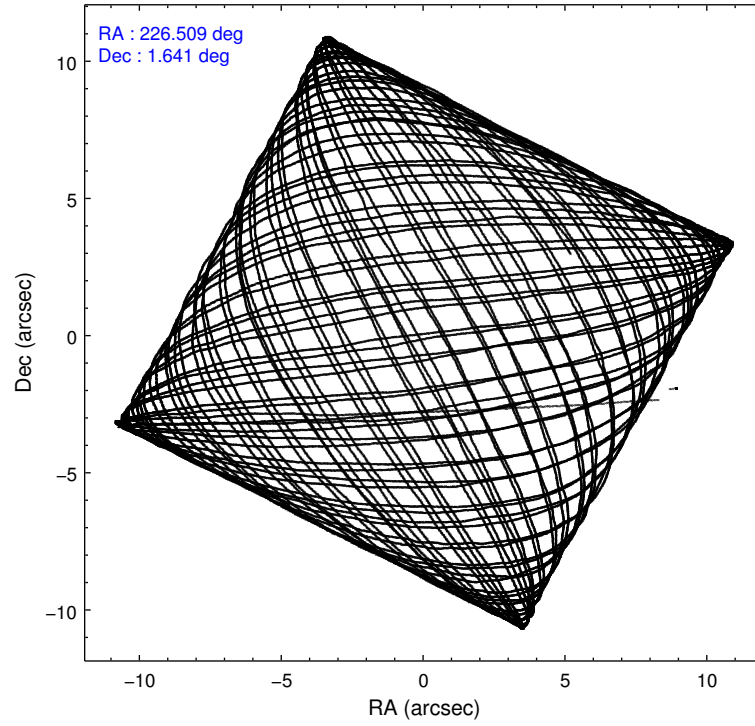
	ccd 7
level 1 events	131462
rejected events	73979
rejected %	56%

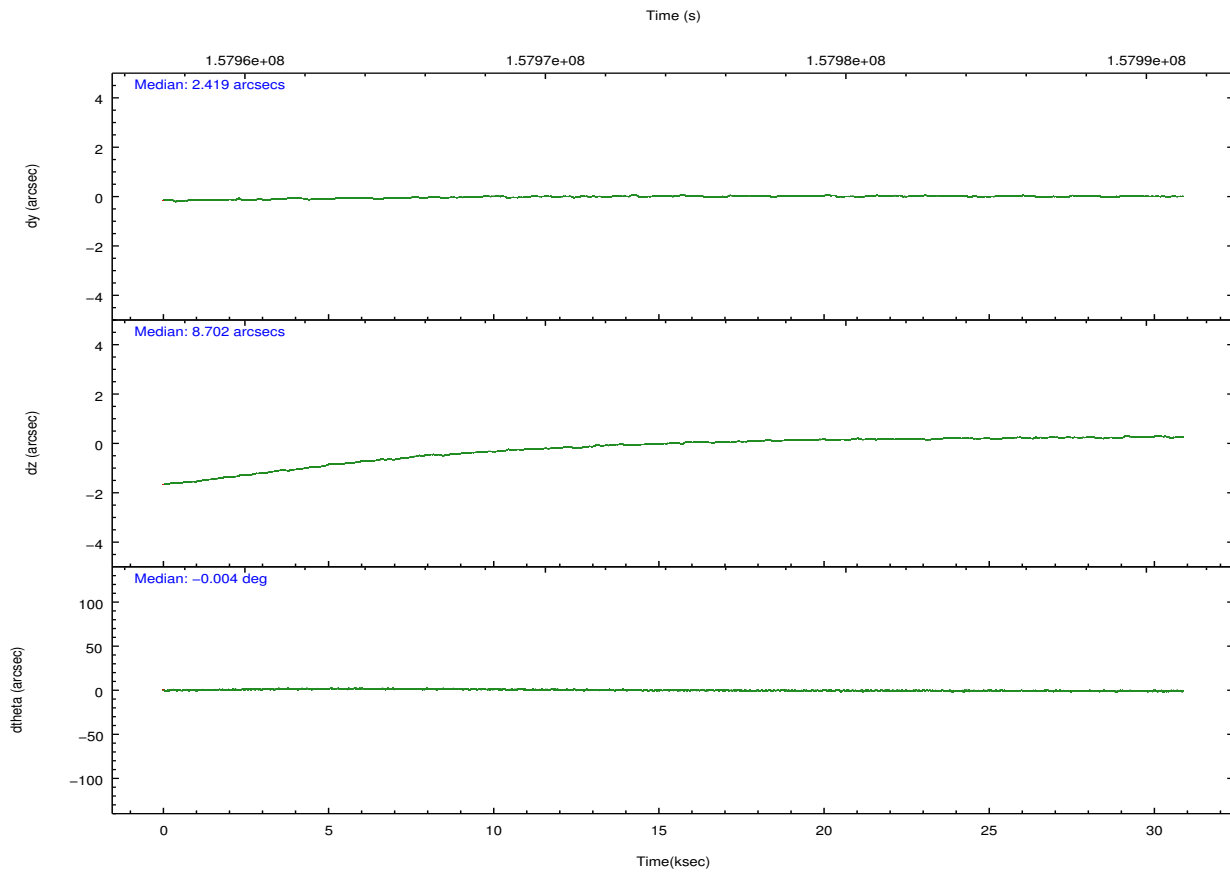
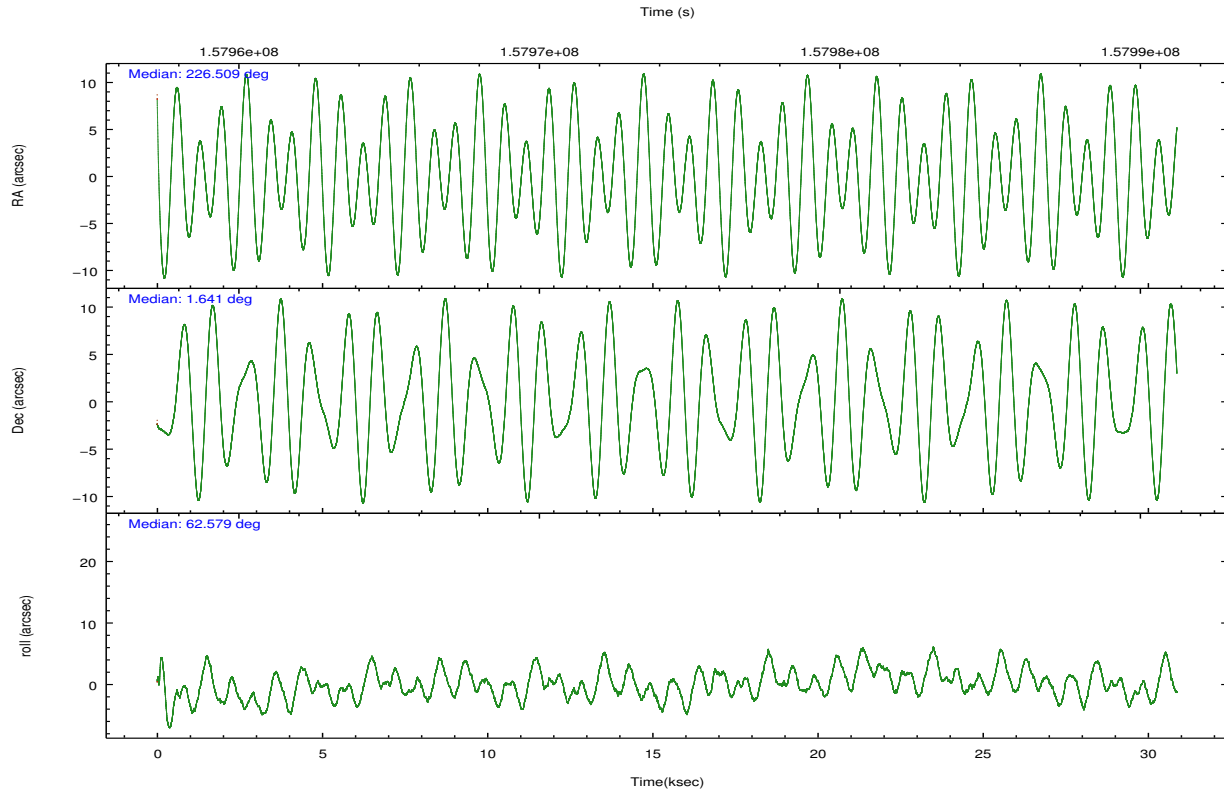
	ccd 7
grade 0 events	6385
	4%
grade 1 events	131
	0%
grade 2 events	11557
	8%
grade 3 events	5787
	4%
grade 4 events	5902
	4%
grade 5 events	12534
	9%
grade 6 events	27861
	21%
grade 7 events	61305
	46%

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	226.510824	226.5092020627758	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	1.614378	1.641549400123232	Subarray start row	257	257
[deg] Pointing Roll	62.429885	62.58655752753051	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)	157959681.184000	157958380.08781			
Observation start date	2003-01-03T05:40:17	2003-01-03T05:19:40			
[s] Observation end time (MET)	157989681.184000	157990488.72665			
Observation end date	2003-01-03T14:00:17	2003-01-03T14:14:48			
Read mode	TIMED	TIMED			

2.3 Aspect



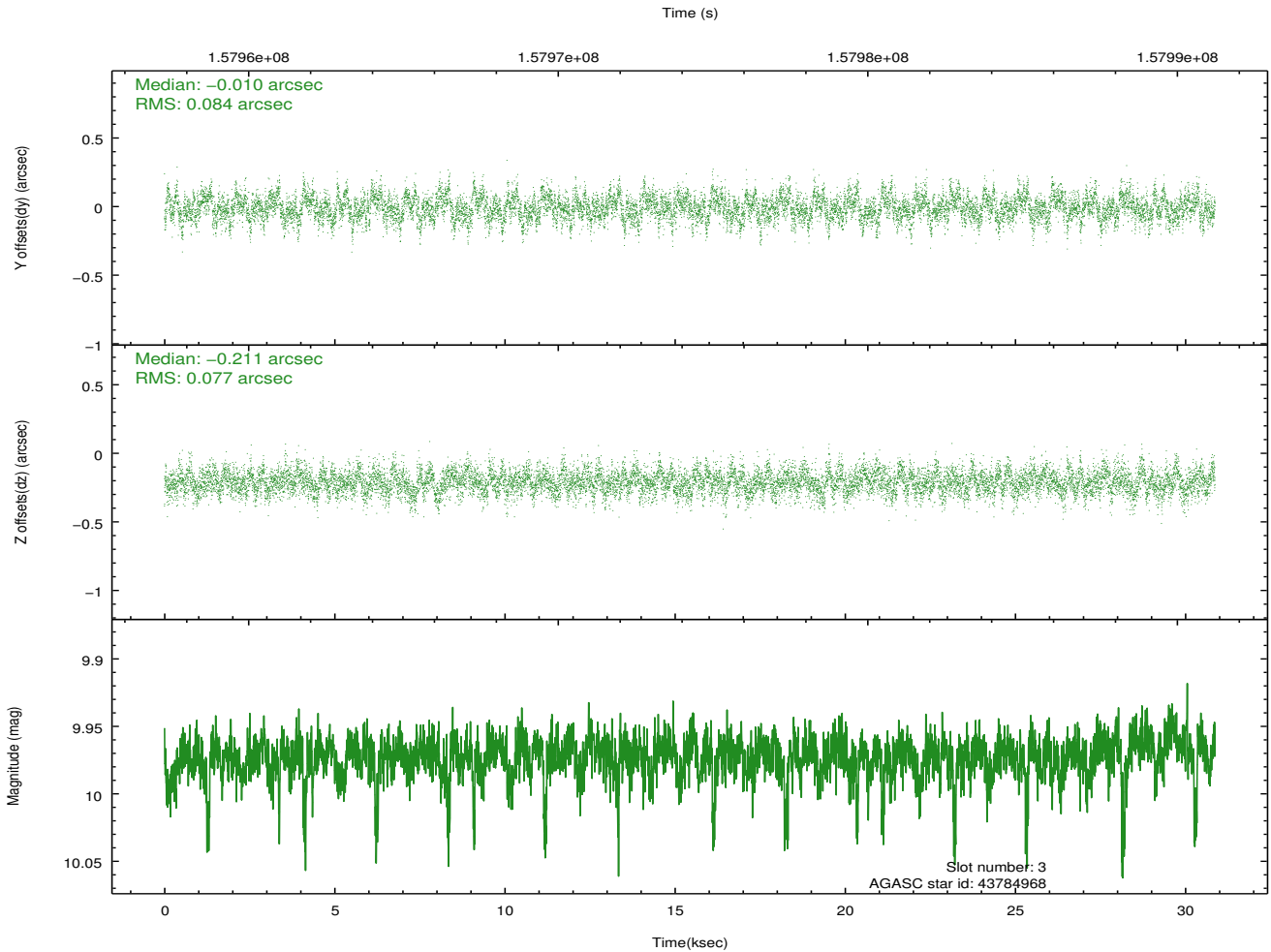
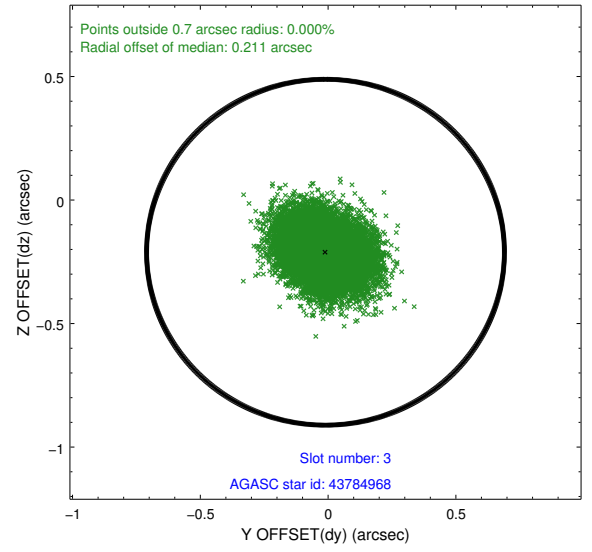
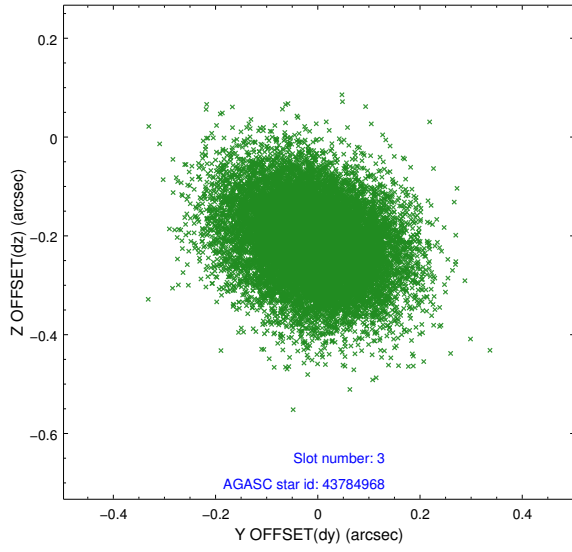


Slot Statistics

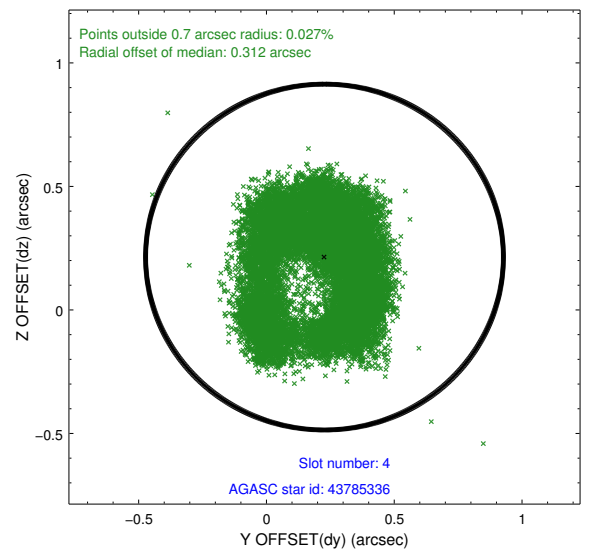
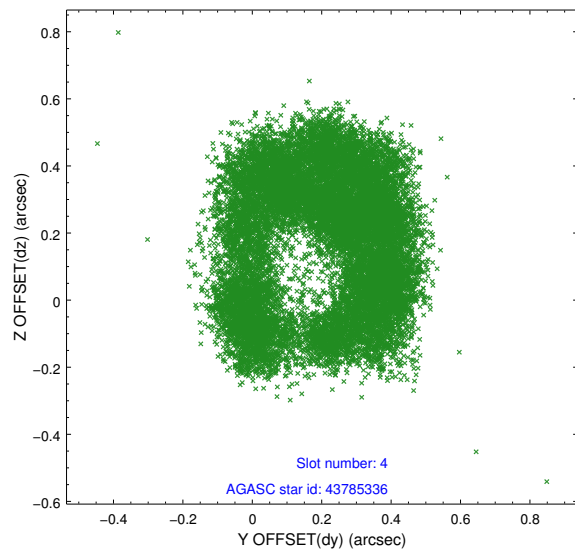
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	7528	-0.024	-0.007	0.010	0.015	0.000000	0.000000	-755.05	-1729.67
1	FID	ACIS-S-4	7.20	7526	-0.018	0.013	0.008	0.014	0.000000	0.000000	2158.20	178.76
2	FID	ACIS-S-5	7.24	7529	0.011	0.002	0.008	0.014	0.000000	0.000000	-1807.77	172.49
3	GUIDE	43784968	9.97	15043	-0.010	-0.211	0.121	0.200	226.169476	1.766344	-83.31	1341.78
4	GUIDE	43785336	9.27	15055	0.227	0.214	0.283	0.403	226.723432	1.018553	-1546.40	-1671.14
5	GUIDE	43909432	8.45	15044	0.010	0.192	0.094	0.143	227.032488	1.308525	-106.30	-2173.82
6	GUIDE	44302592	7.85	15057	-0.132	-0.250	0.100	0.149	226.320439	2.016885	967.45	1277.70
7	GUIDE	43909176	9.42	15049	-0.066	0.080	0.125	0.189	227.095539	1.632644	1033.08	-1834.14

2.4 Star Slots

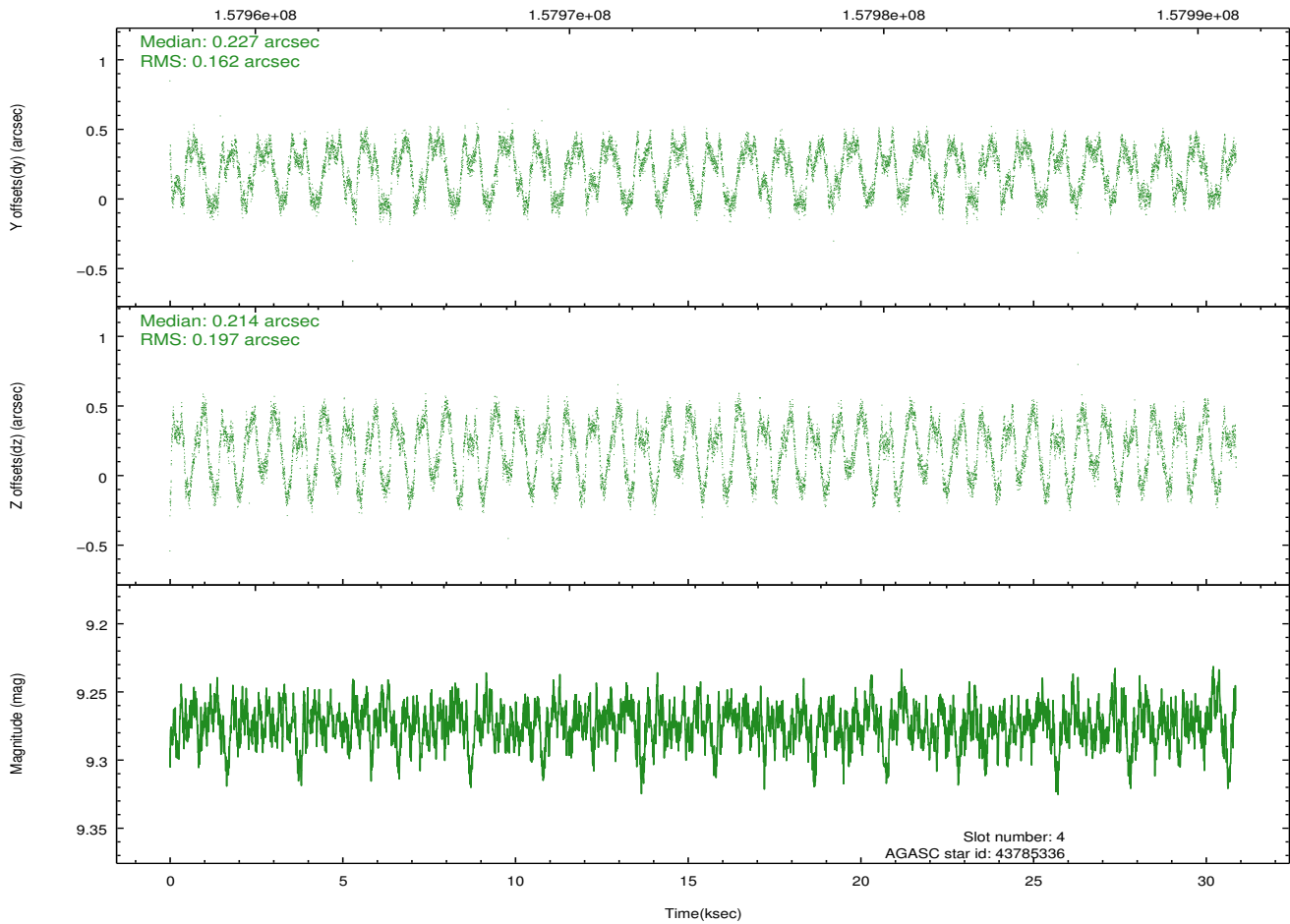
2.4.1 Slot 3



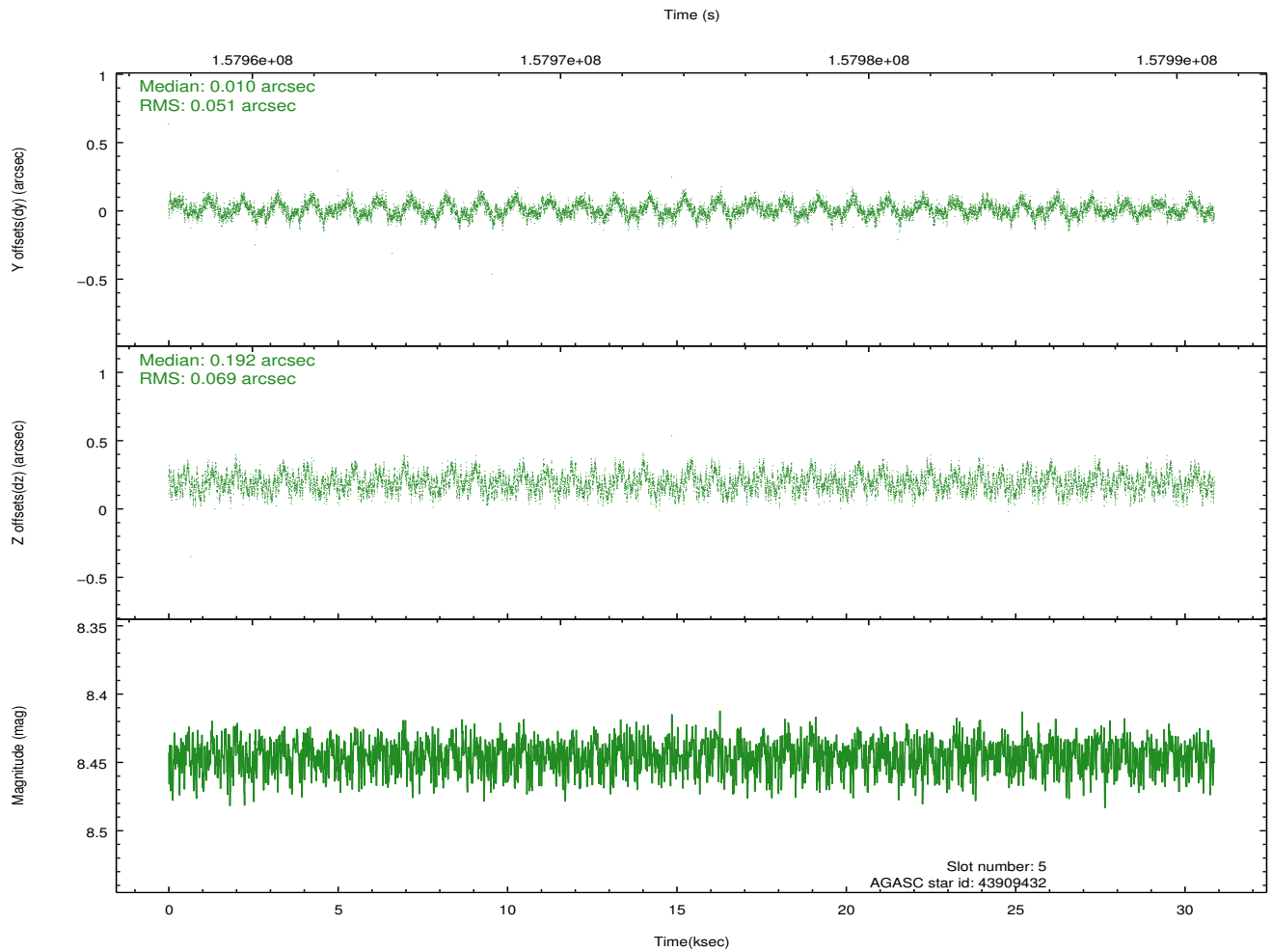
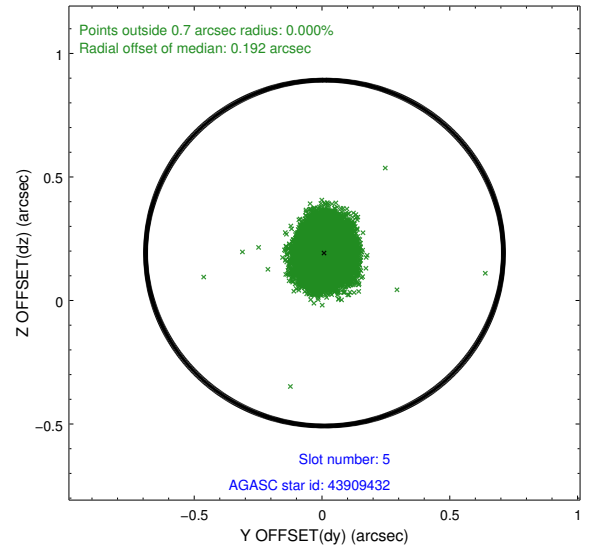
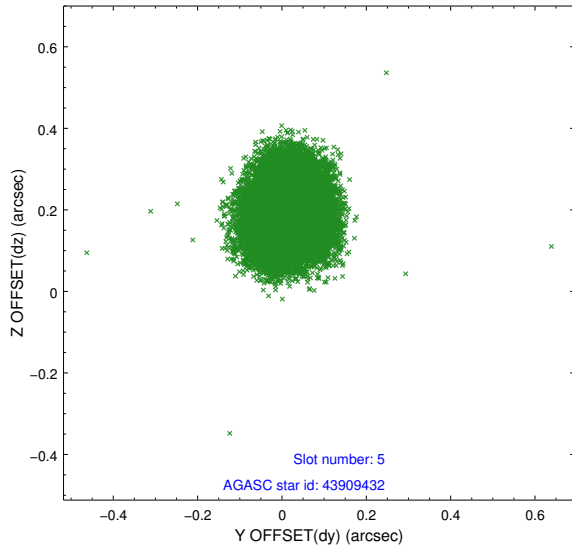
2.4.2 Slot 4



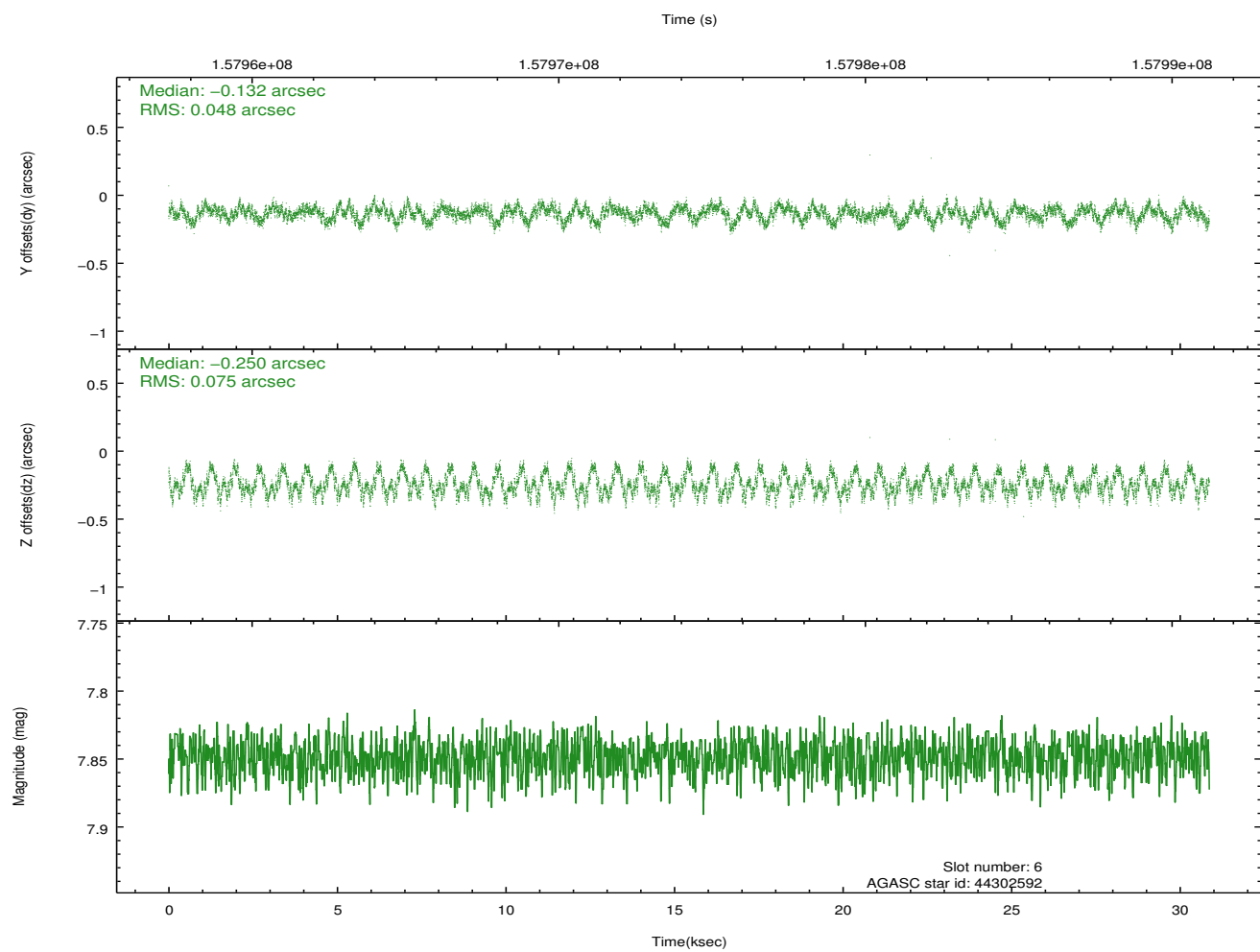
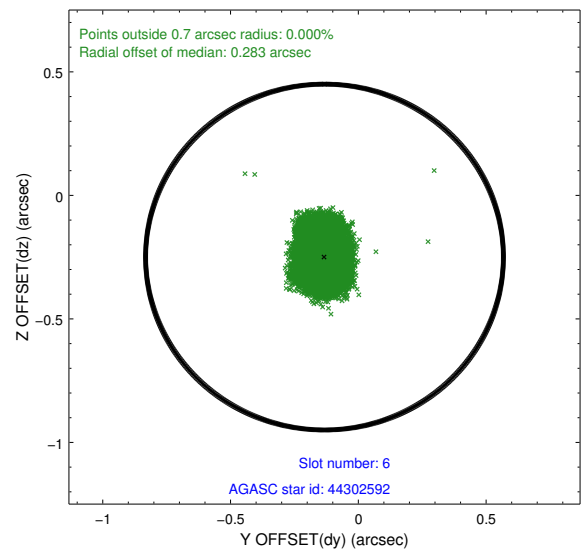
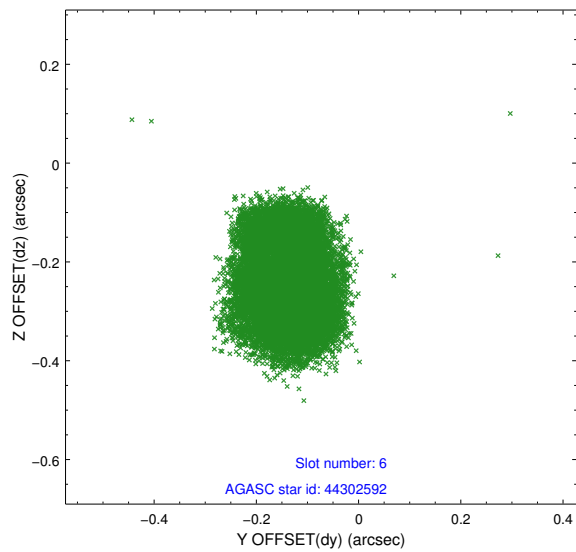
Time (s)



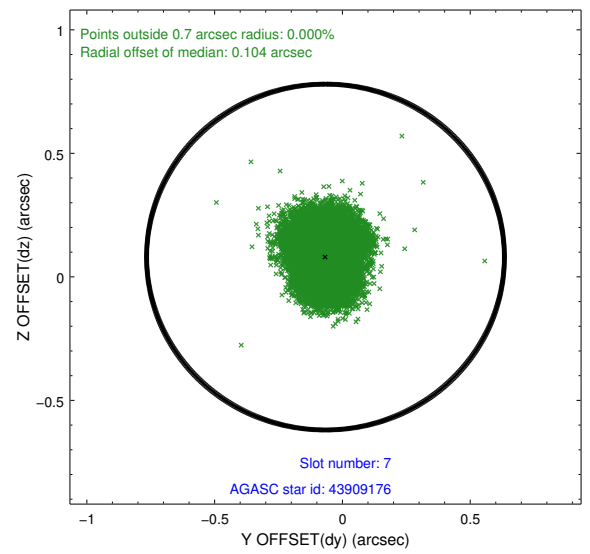
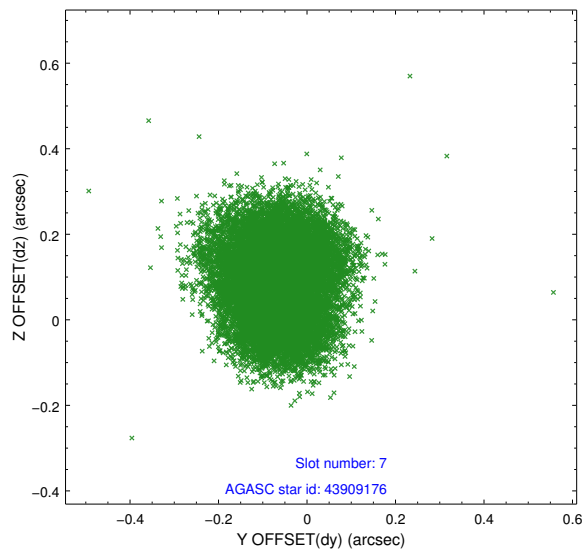
2.4.3 Slot 5



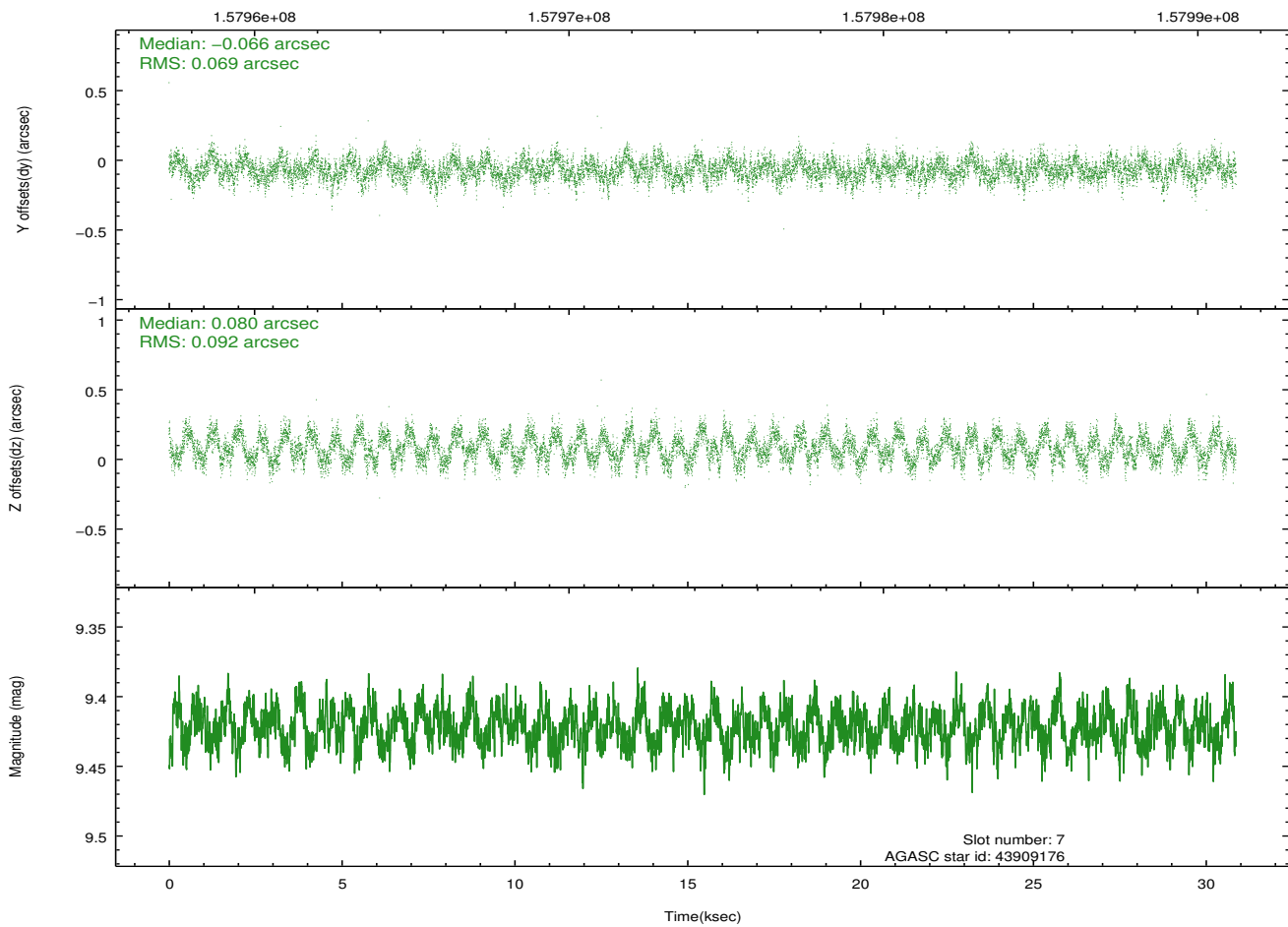
2.4.4 Slot 6



2.4.5 Slot 7

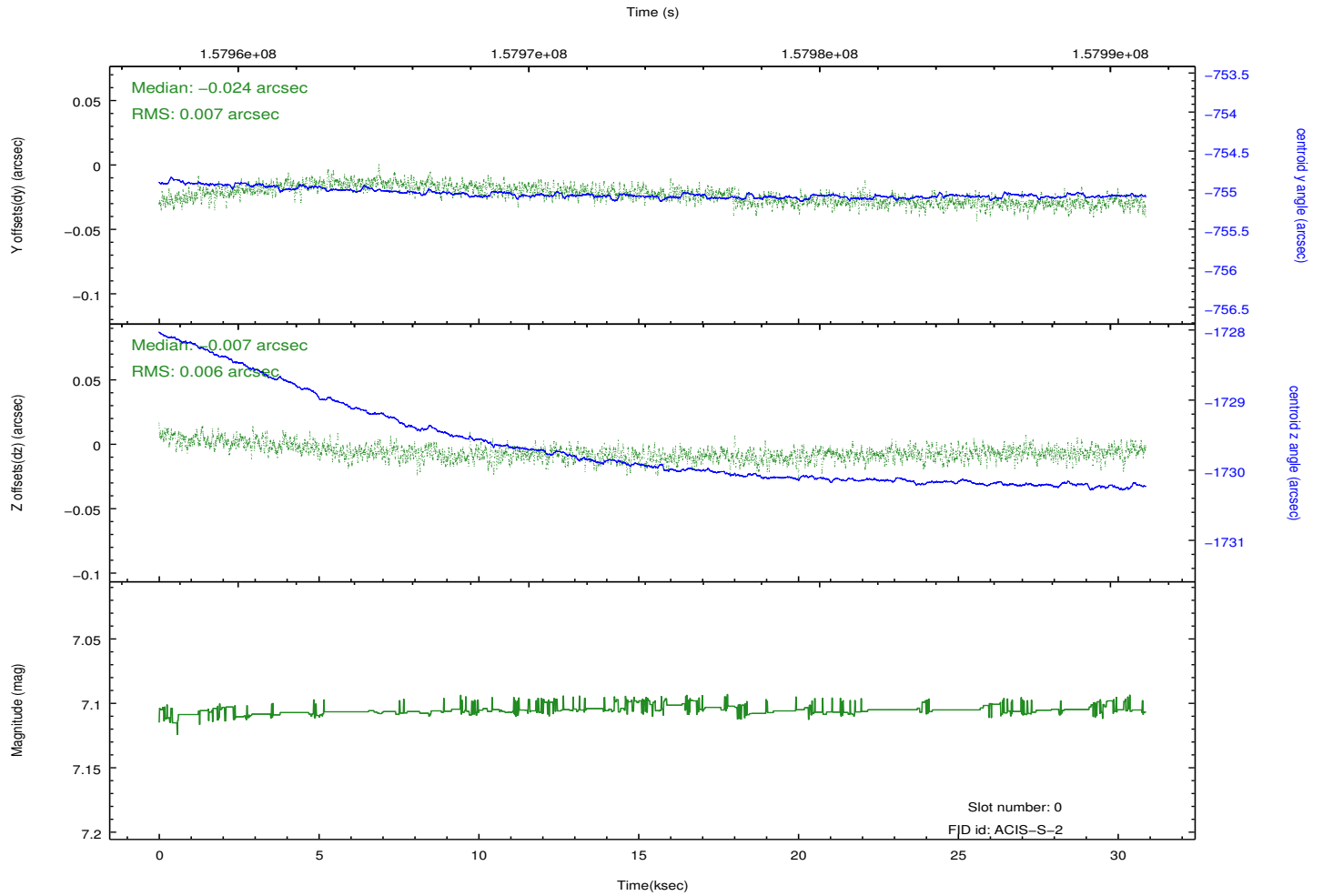
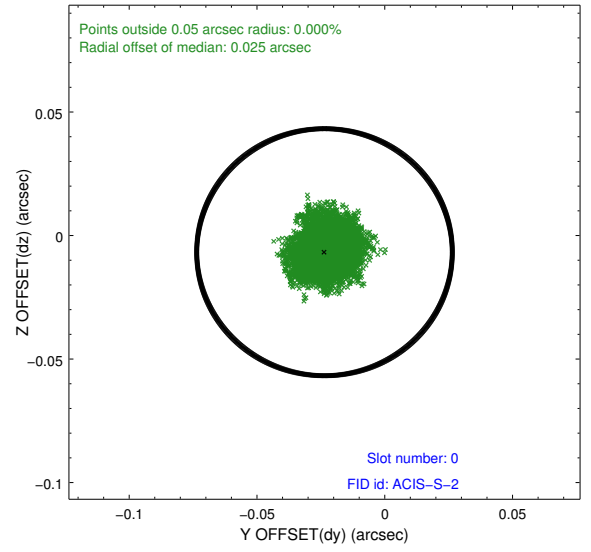
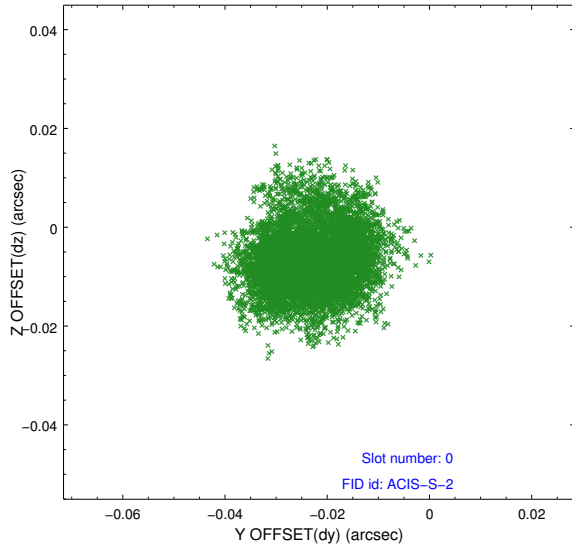


Time (s)

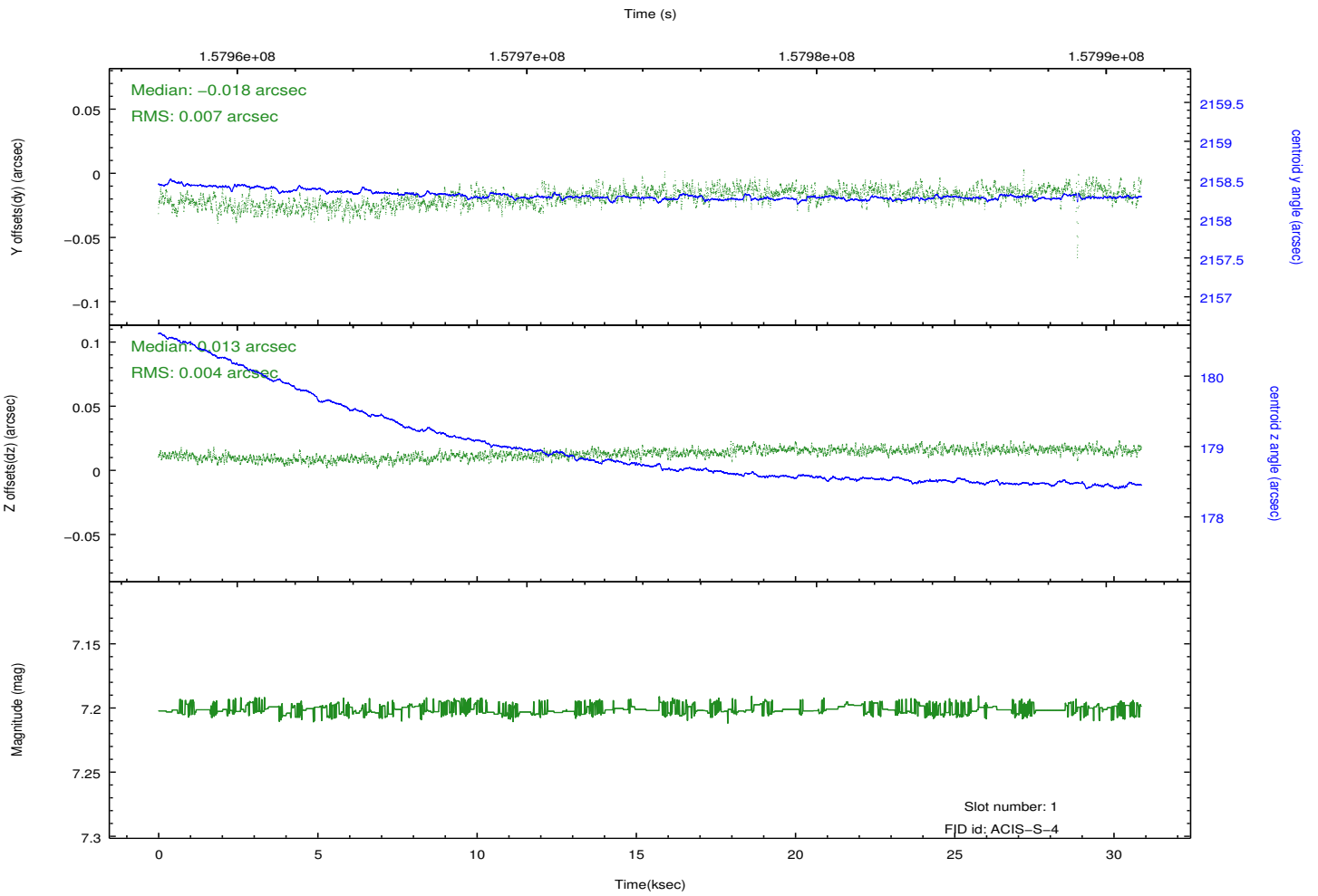
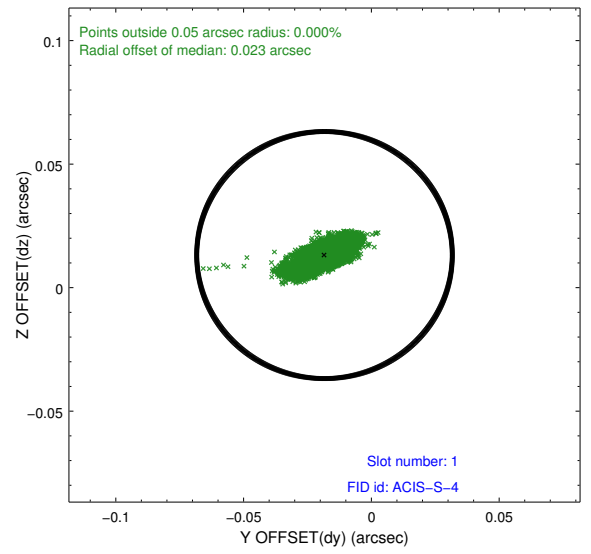
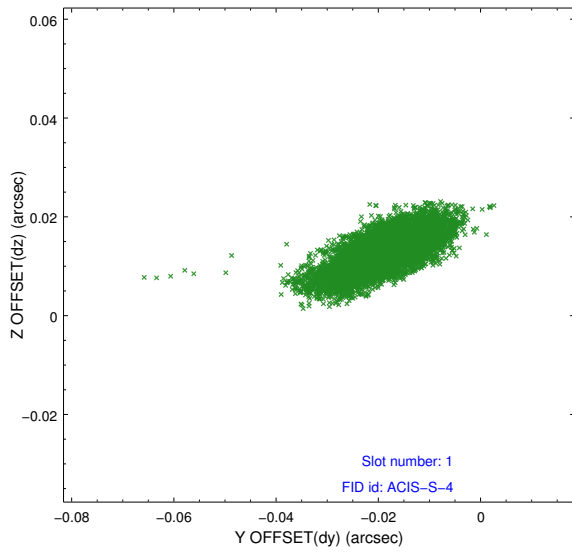


2.5 FID Slots

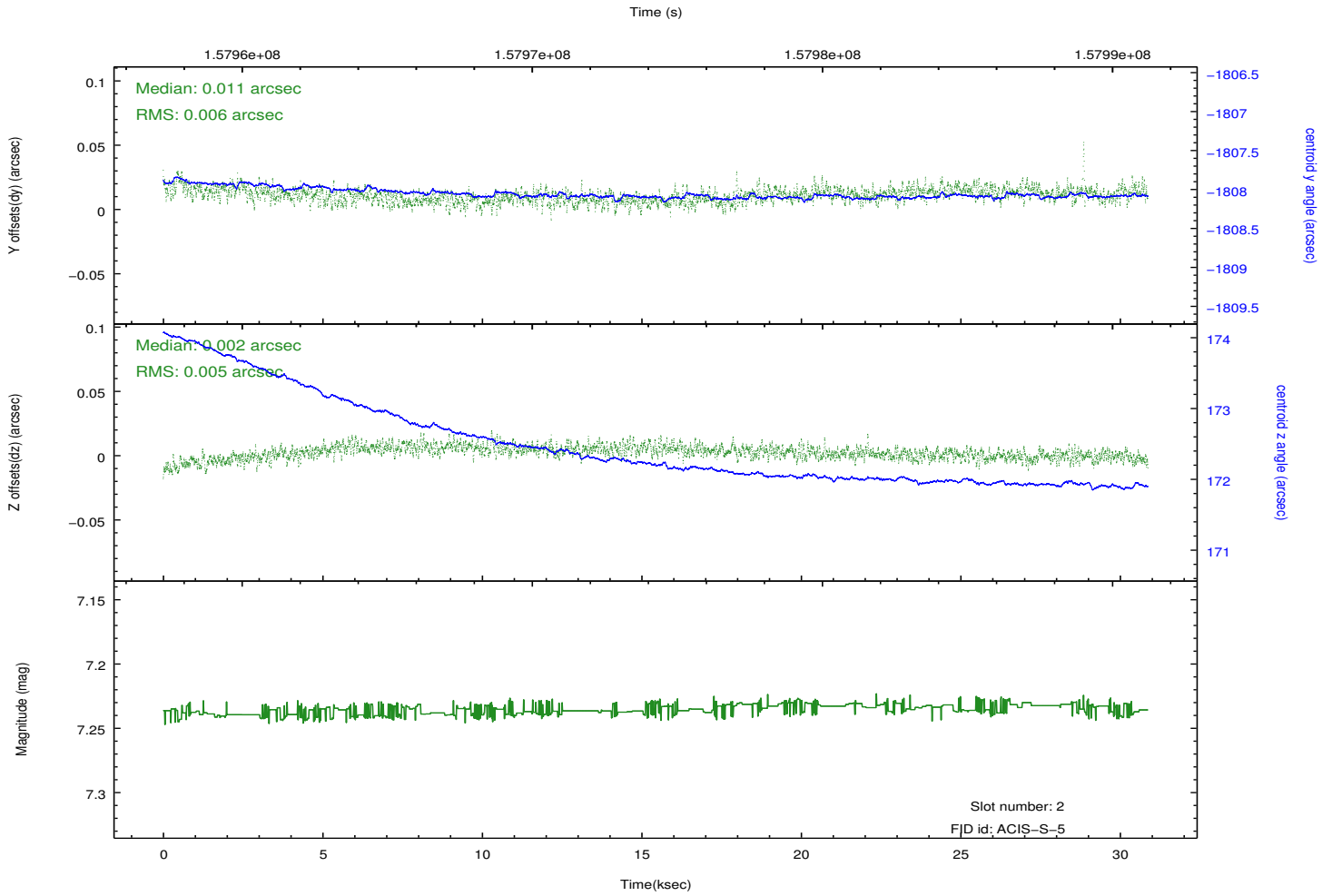
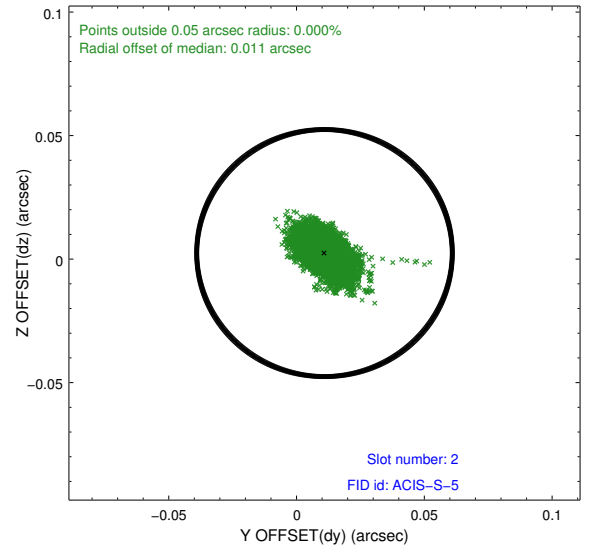
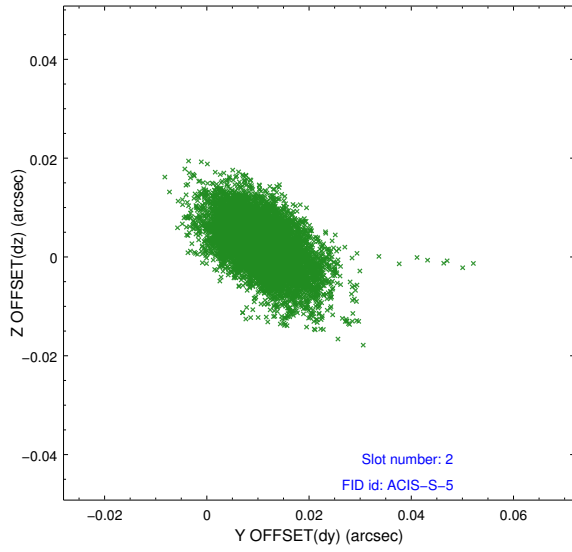
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.789

A.2 Comments