

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 746 - L2 Version 4
Chandra X-Ray Center

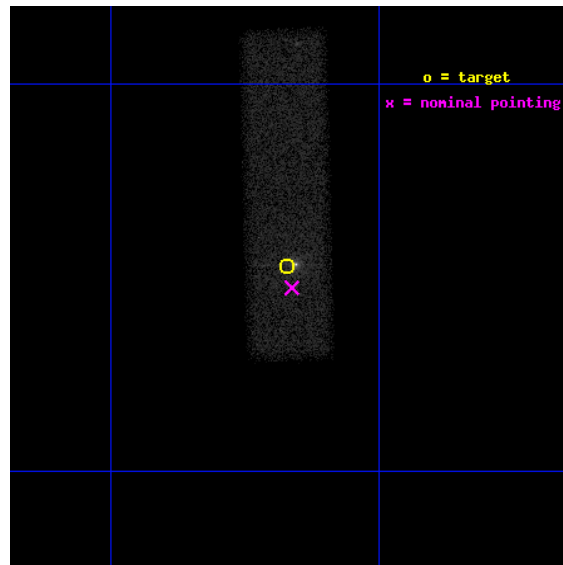
L2 Processing Date : Aug 31 2012

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1 Front

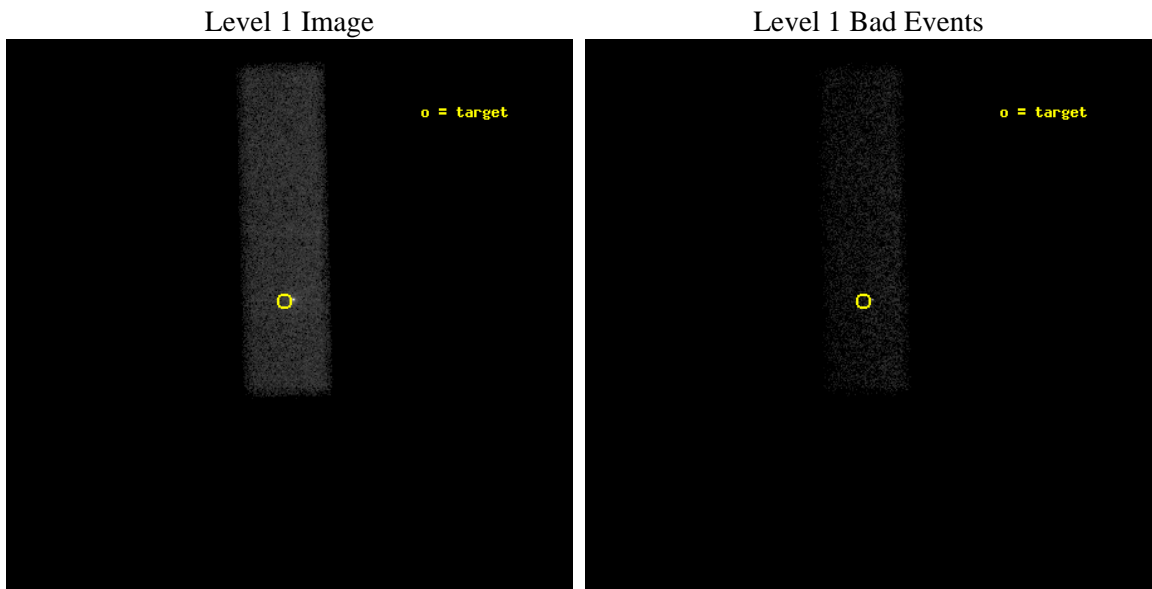
seq_num	500042	Sequence number
obs_id	746	Observation id
title	THE SOFT GAMMA-RAY REPEATER SGR 1806-20	Proposal title
observer	Gautam Vasisht	Principal investigator
object	SGR 1806-20	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	272.168	Observer's specified target RA [deg]
dec_targ	-20.411417	Observer's specified target Dec [deg]
ra_nom	272.16581663924	Nominal RA [deg]
dec_nom	-20.421128249327	Nominal Dec [deg]
roll_nom	268.6101940513	Nominal Roll [deg]
revision	4	Processing version of data
ontime	32662.317818224	Sum of GTIs [s]
livetime	31068.503584348	Livetime [s]
ontime7	32662.317818224	Sum of GTIs [s]
l2events	37407	Number of level 2 events



2 OBI

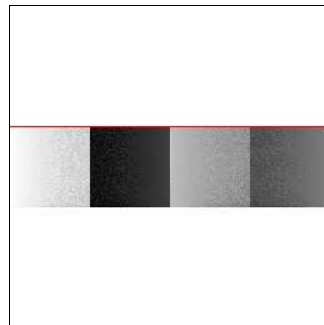
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	32500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	32662.317818224	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime7	32662.317818224	Sum of GTIs [s]
date	2012-08-31T14:40:56	Date and time of file creation	l1events	71590	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

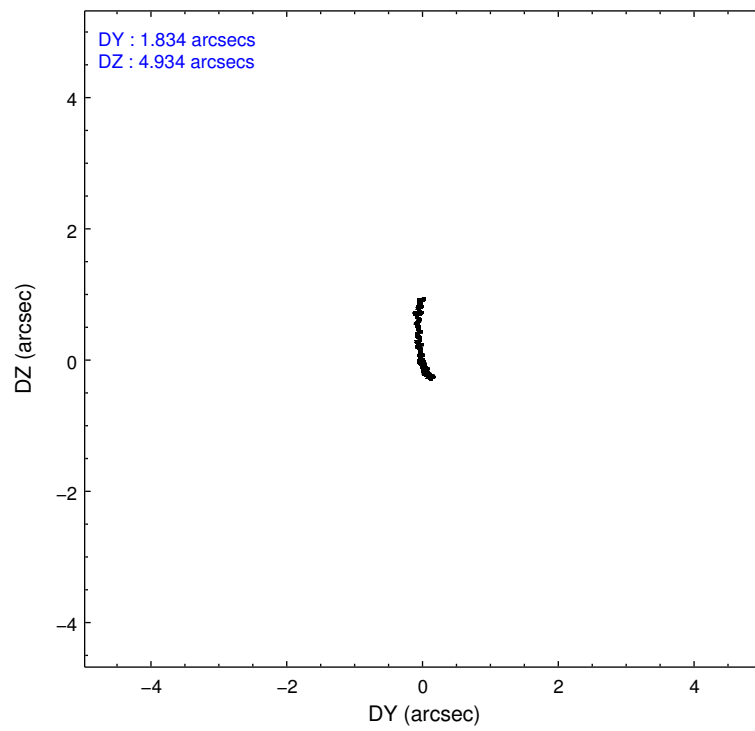
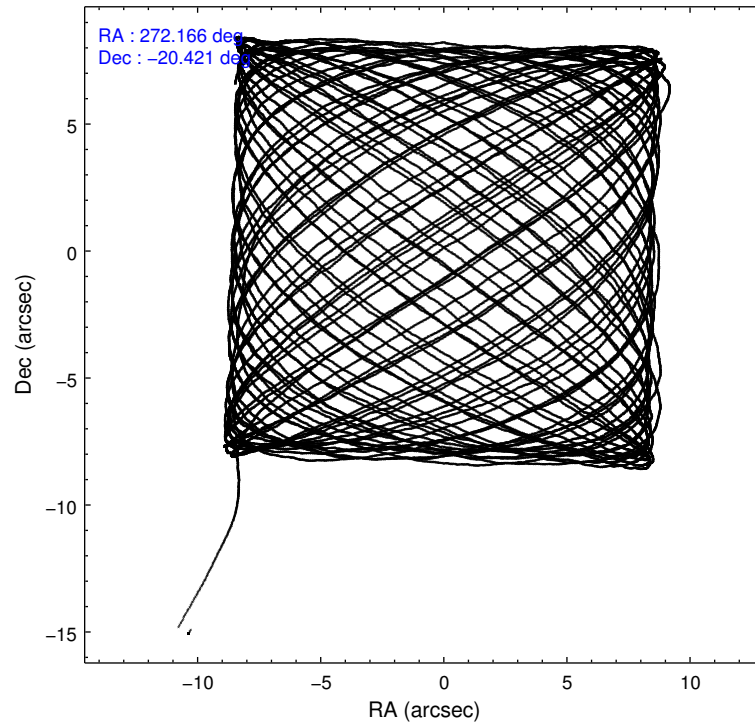
	ccd 7
level 1 events	71590
rejected events	33253
rejected %	46%

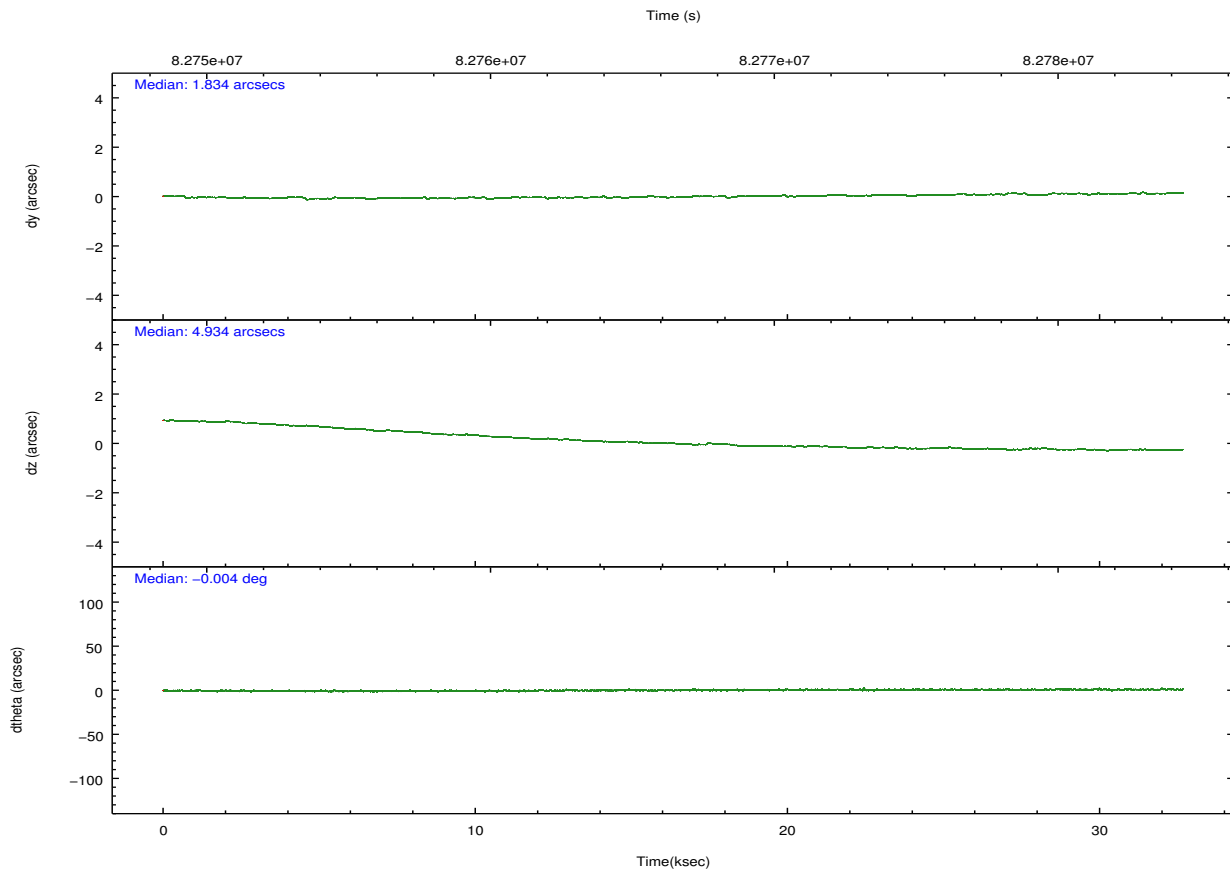
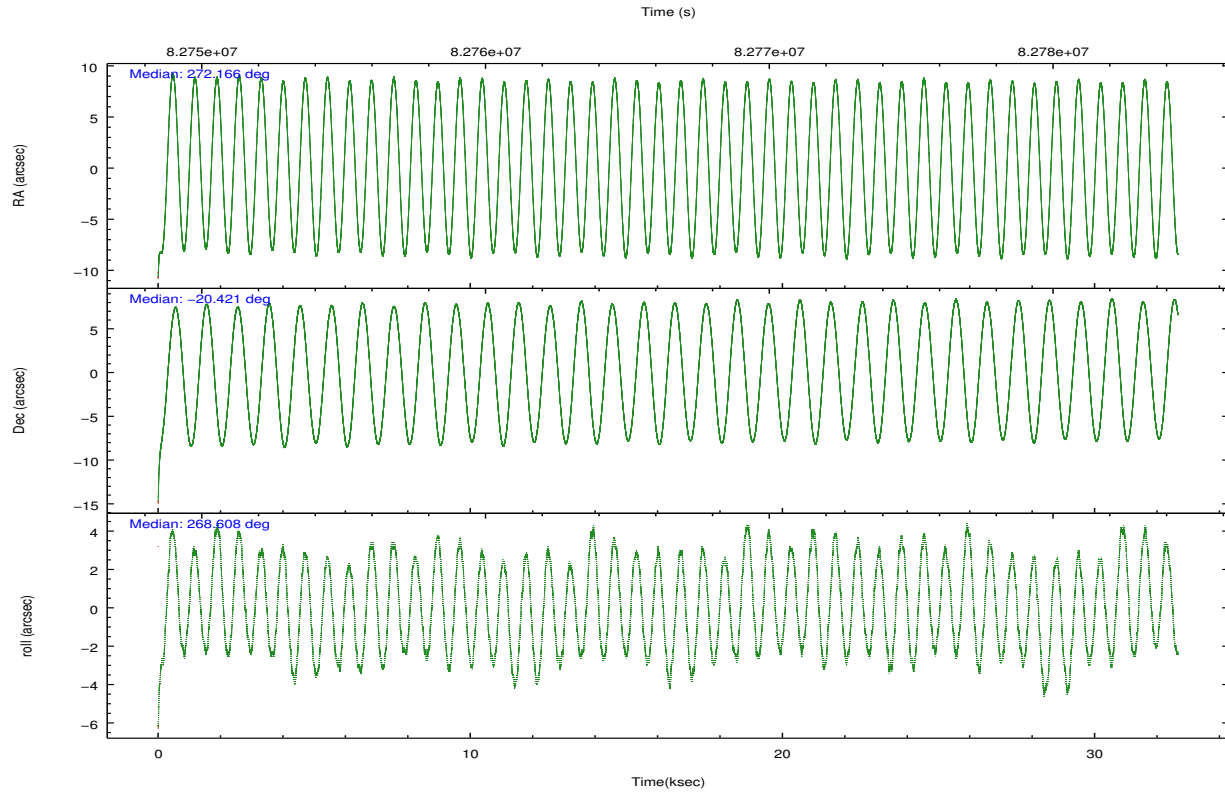
	ccd 7
grade 0 events	5299
	7%
grade 1 events	86
	0%
grade 2 events	8230
	11%
grade 3 events	4367
	6%
grade 4 events	4324
	6%
grade 5 events	5799
	8%
grade 6 events	16779
	23%
grade 7 events	26706
	37%

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	272.151695	272.1658166392435	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-20.397166	-20.4211282493268	Subarray start row	384	384
[deg] Pointing Roll	268.448639	268.6101940513044	Subarray row count	256	256
[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	0.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	82750266.184000	82749183.52393			
Observation start date	2000-08-15T18:10:02	2000-08-15T17:53:03			
[s] Observation end time (MET)	82782766.184000	82783006.98769701			
Observation end date	2000-08-16T03:11:42	2000-08-16T03:16:46			
Read mode	TIMED	TIMED			

2.3 Aspect



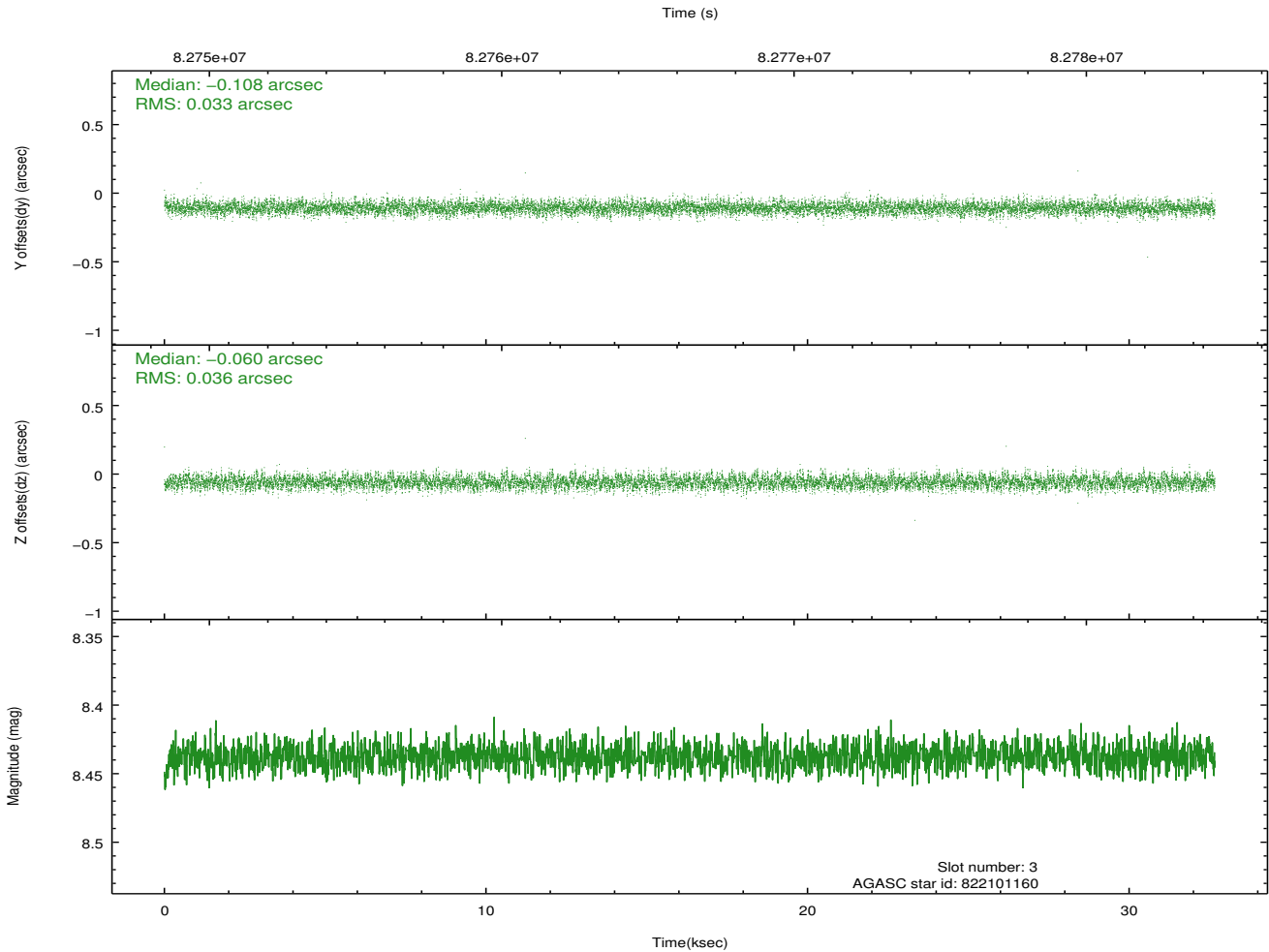
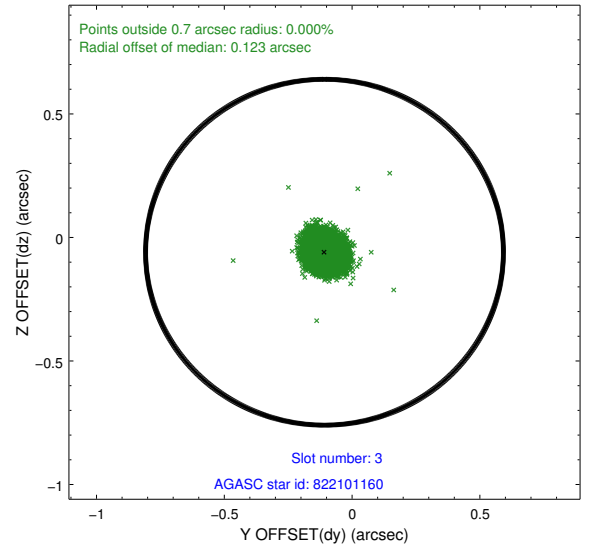
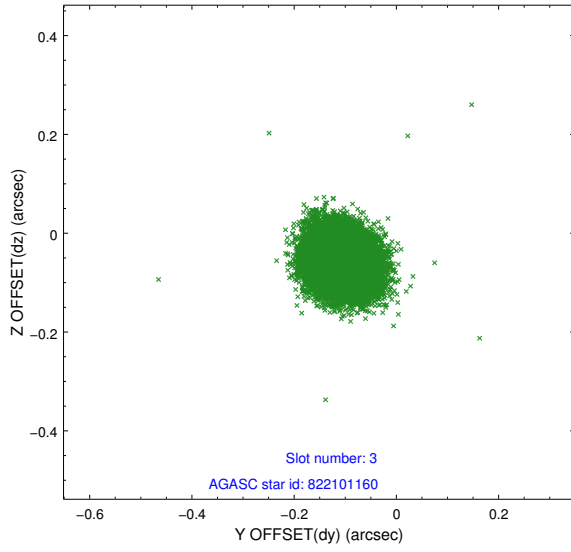


Slot Statistics

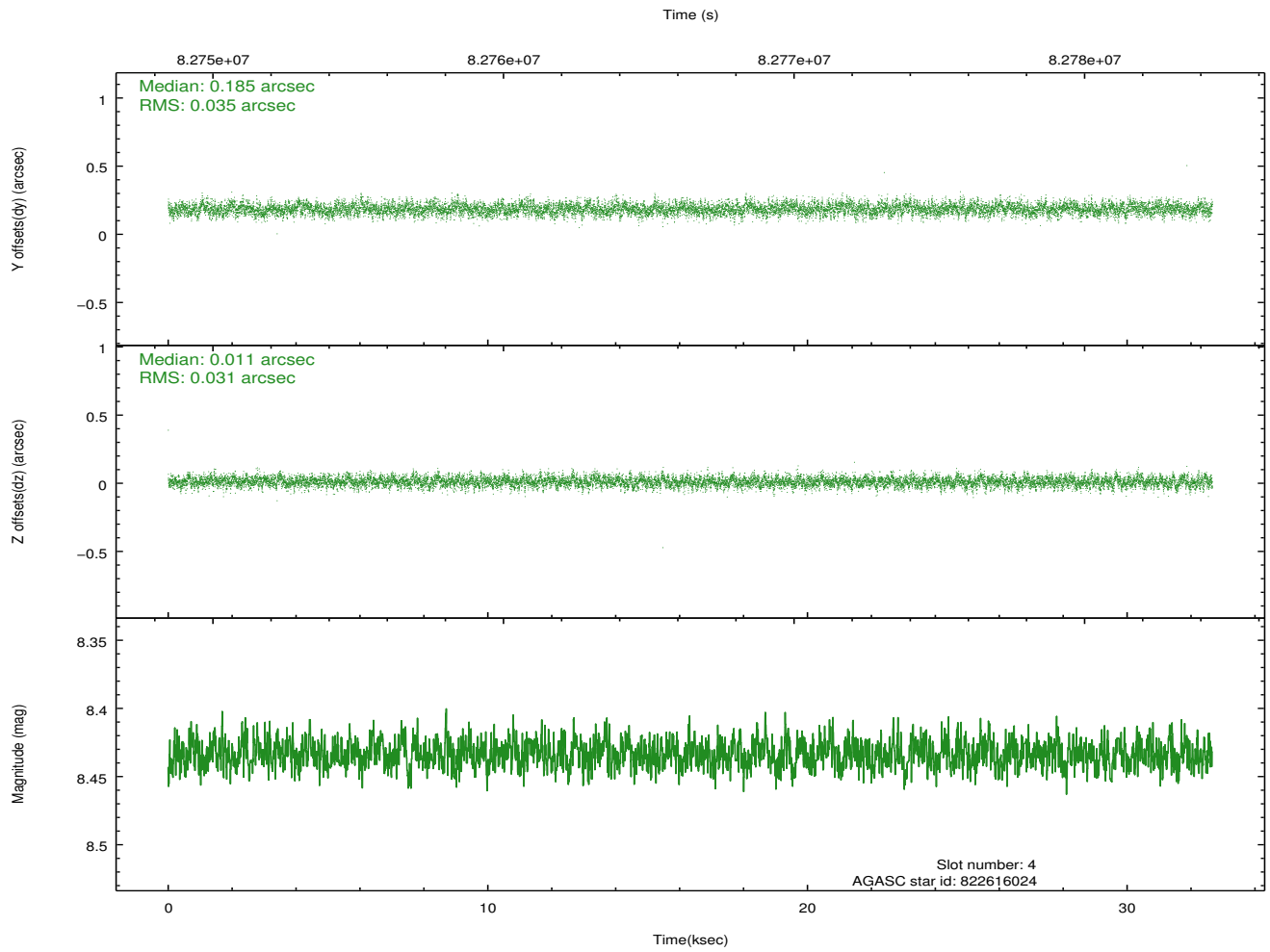
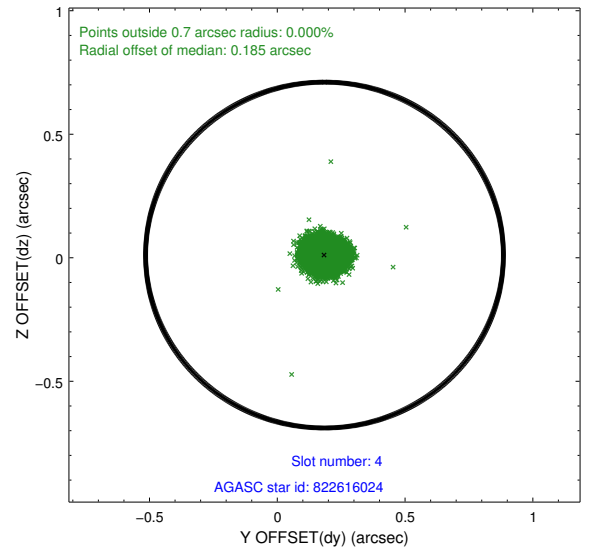
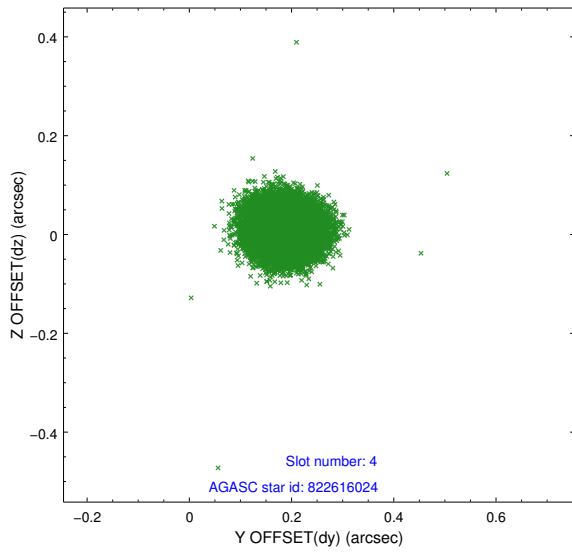
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	7967	-0.034	-0.005	0.010	0.017	0.000000	0.000000	-754.48	-1726.20
1	FID	ACIS-S-4	7.21	7967	-0.013	0.017	0.006	0.010	0.000000	0.000000	2158.79	182.27
2	FID	ACIS-S-5	7.23	7966	0.016	-0.004	0.010	0.017	0.000000	0.000000	-1807.21	175.96
3	GUIDE	822101160	8.44	15934	-0.108	-0.060	0.052	0.083	272.245889	-20.018987	-1370.09	282.08
4	GUIDE	822616024	8.43	15936	0.185	0.011	0.050	0.080	272.218514	-20.919122	1871.94	276.16
5	GUIDE	822102232	8.80	15933	-0.040	0.042	0.071	0.115	272.350923	-20.034935	-1321.83	638.85
6	GUIDE	822617304	8.96	15927	0.081	0.098	0.061	0.100	272.421826	-20.831304	1537.96	951.66
7	GUIDE	820399496	8.33	15930	-0.115	-0.079	0.072	0.124	271.495152	-19.953854	-1531.27	-2263.54

2.4 Star Slots

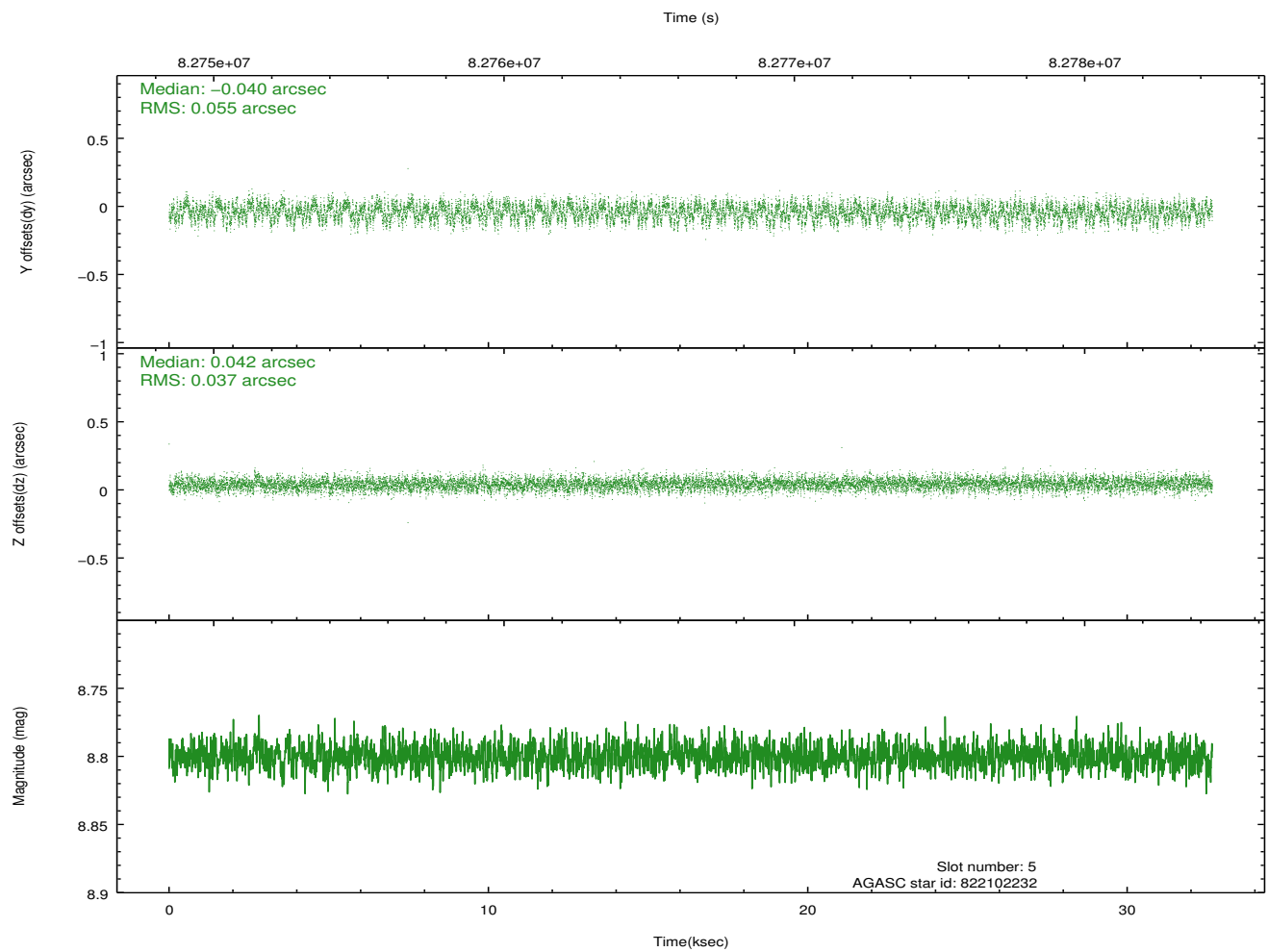
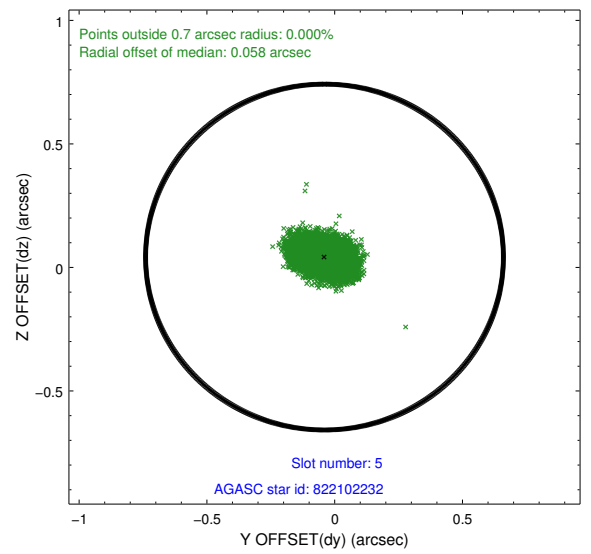
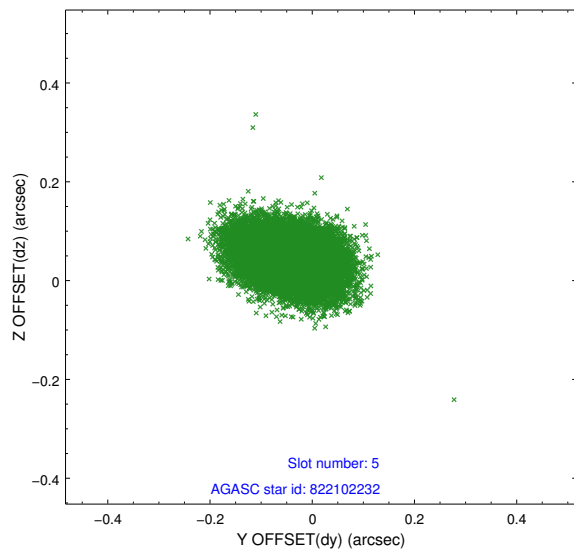
2.4.1 Slot 3



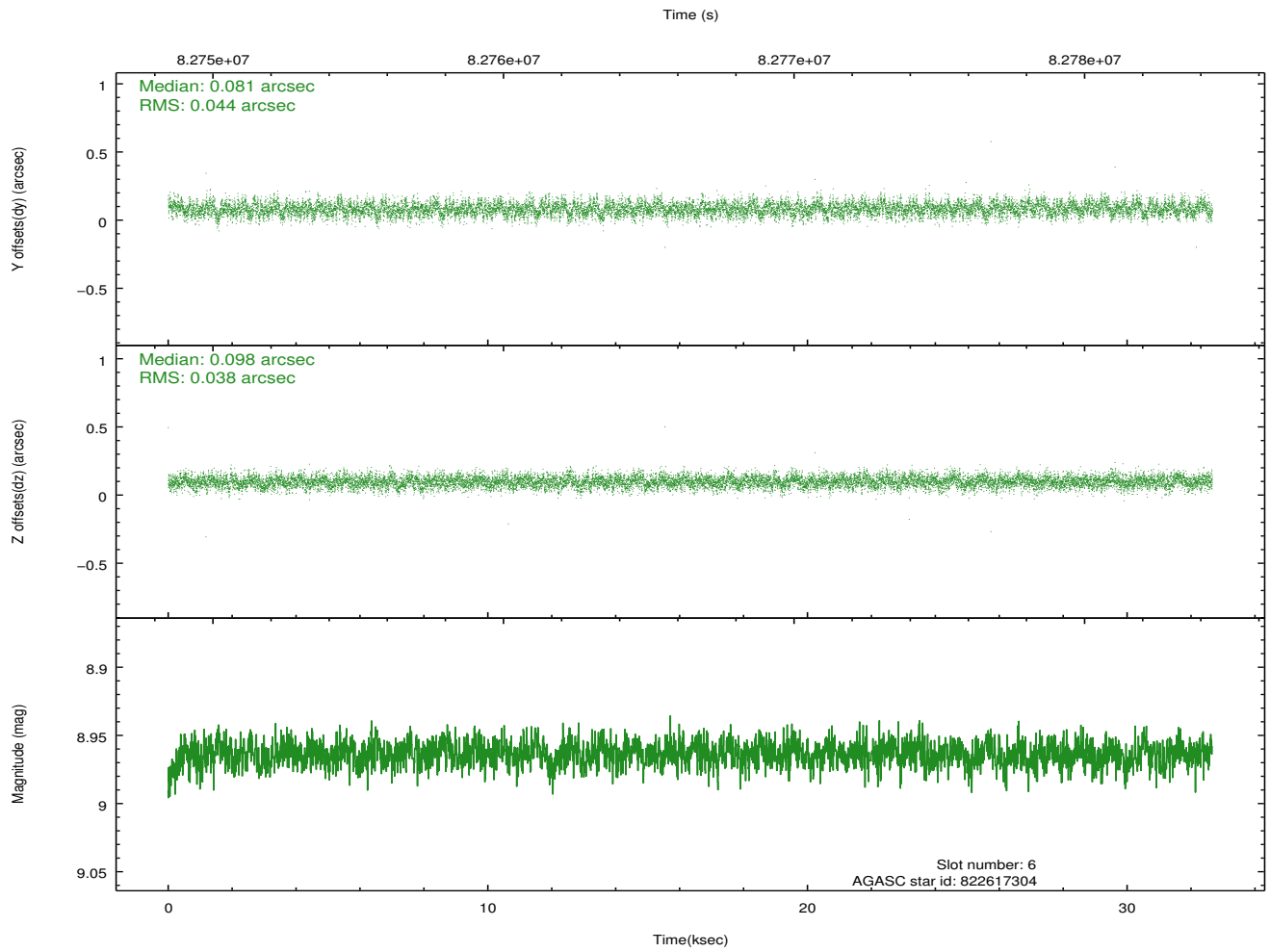
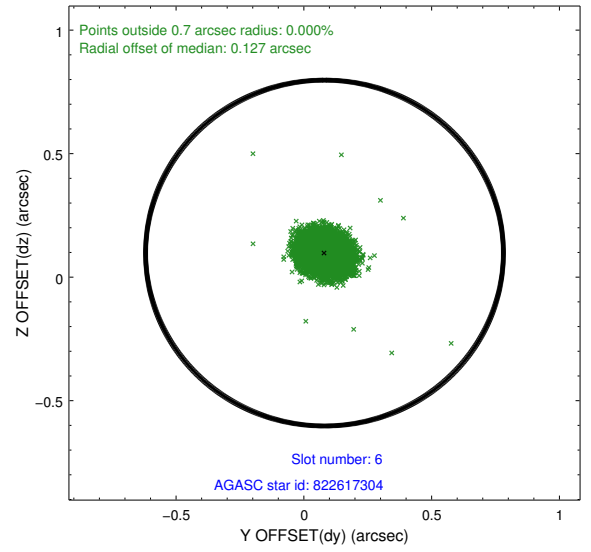
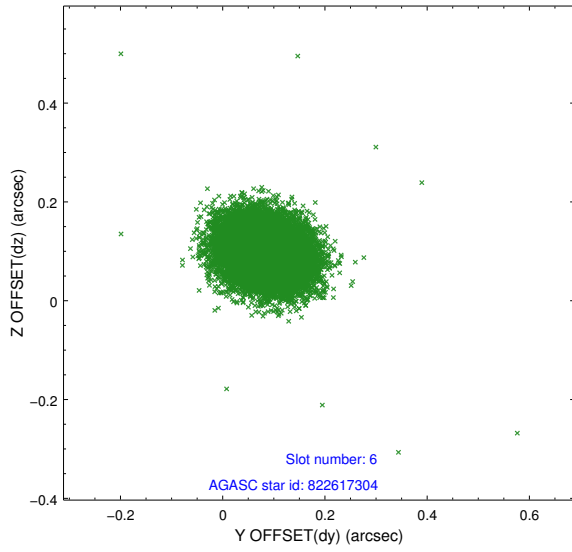
2.4.2 Slot 4



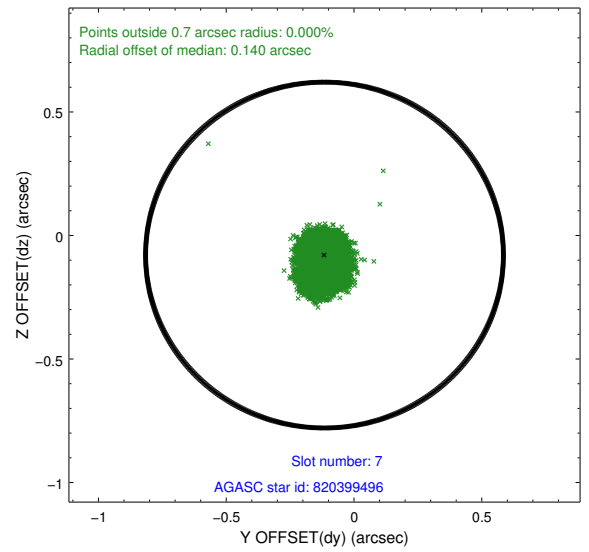
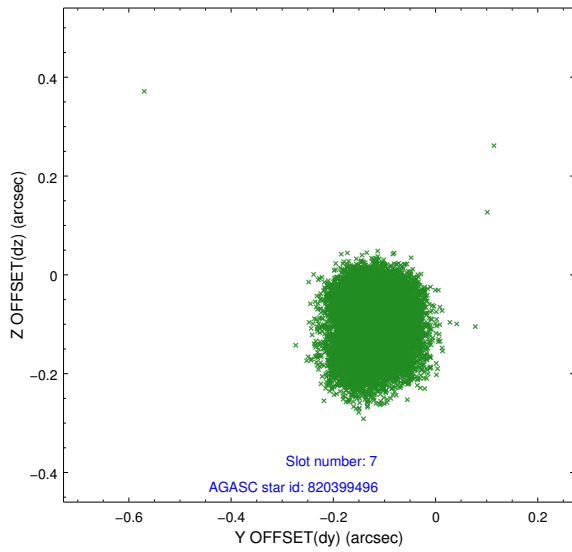
2.4.3 Slot 5



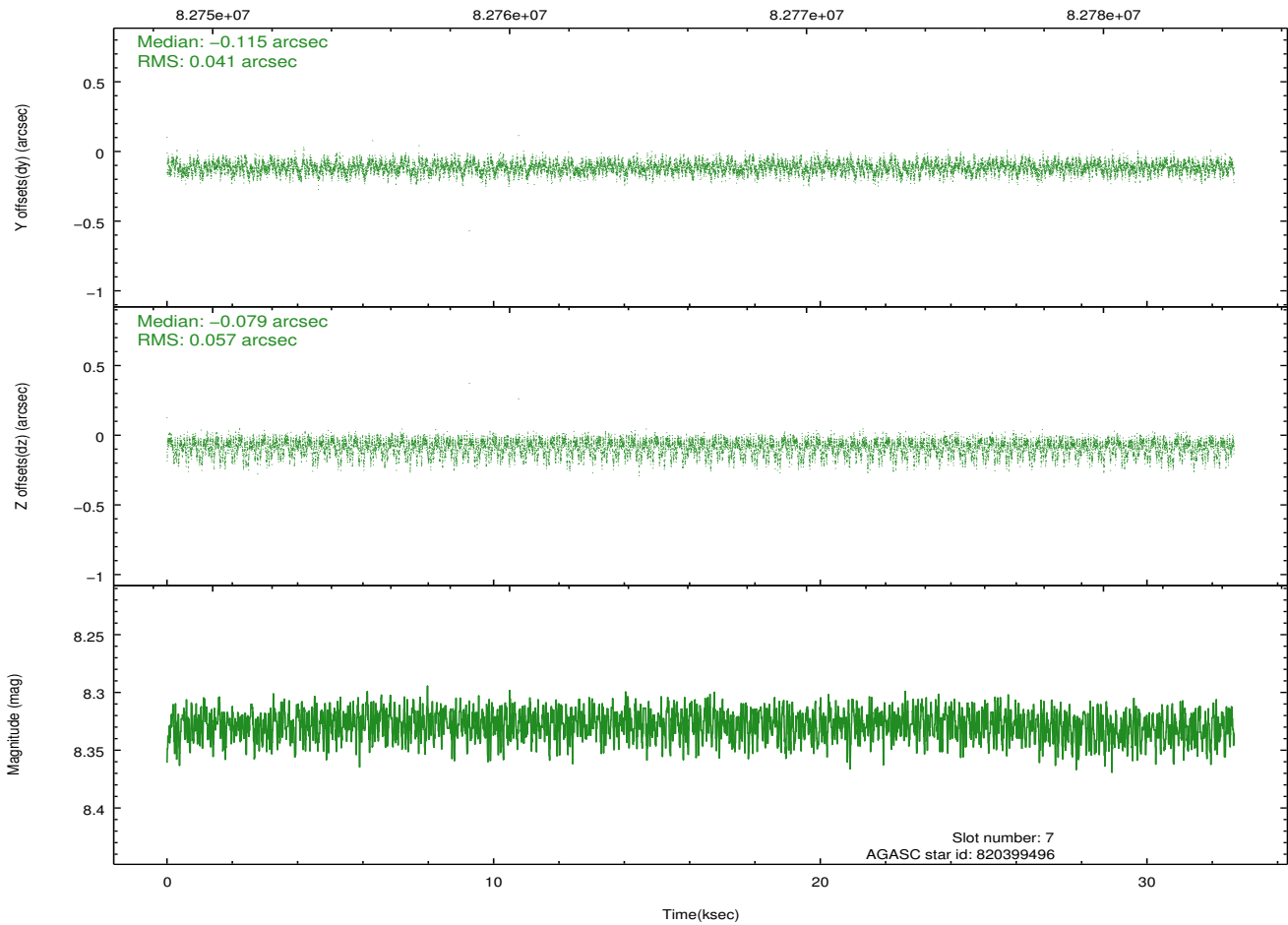
2.4.4 Slot 6



2.4.5 Slot 7

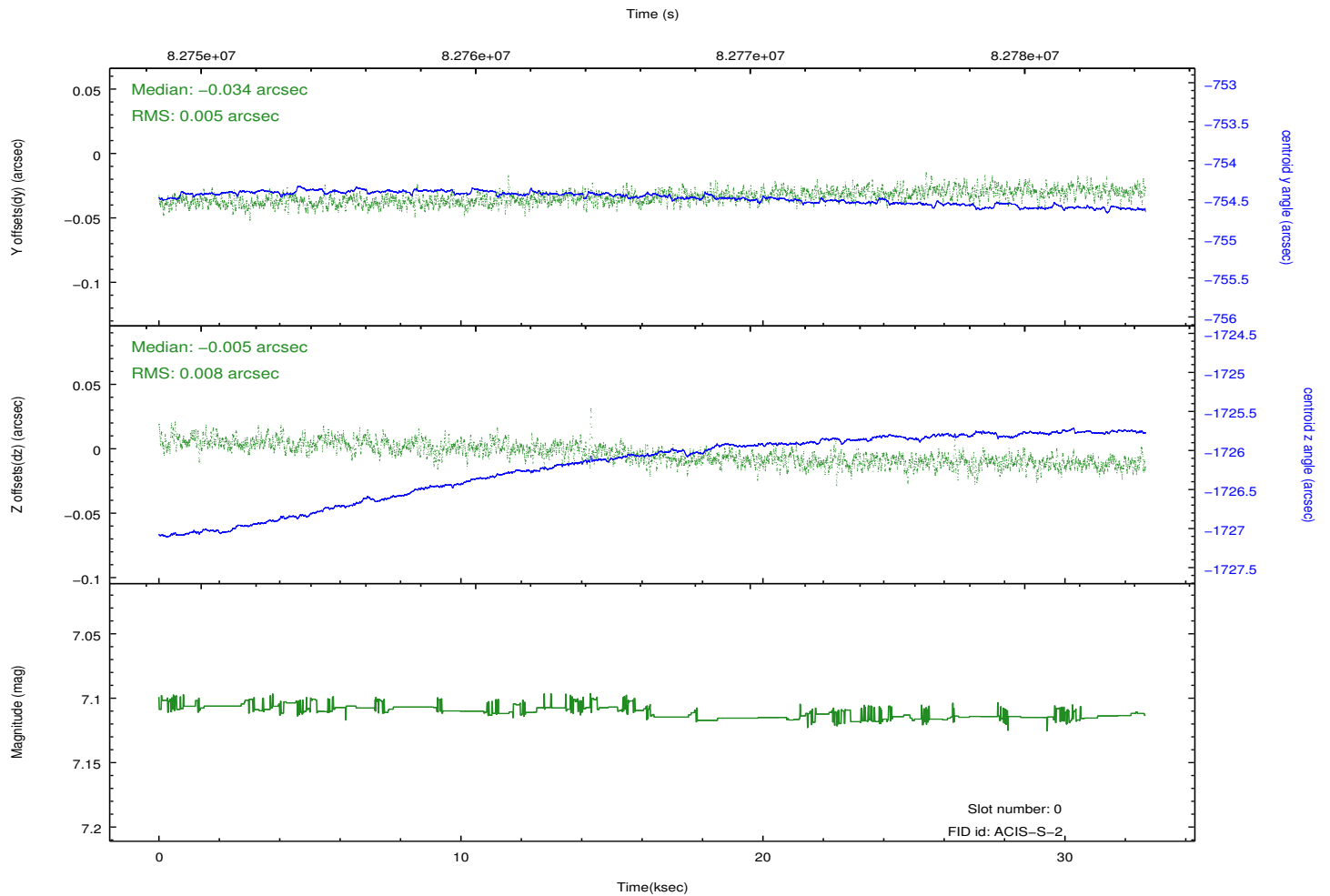
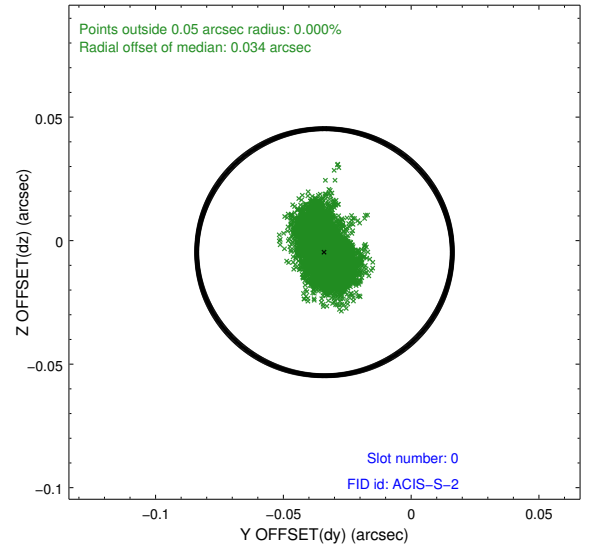
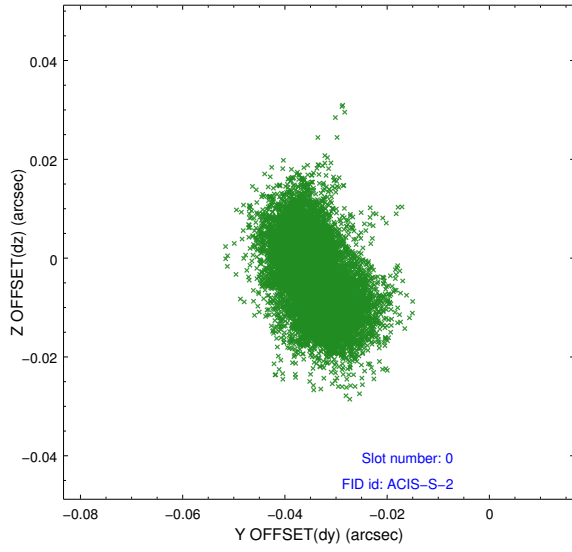


Time (s)

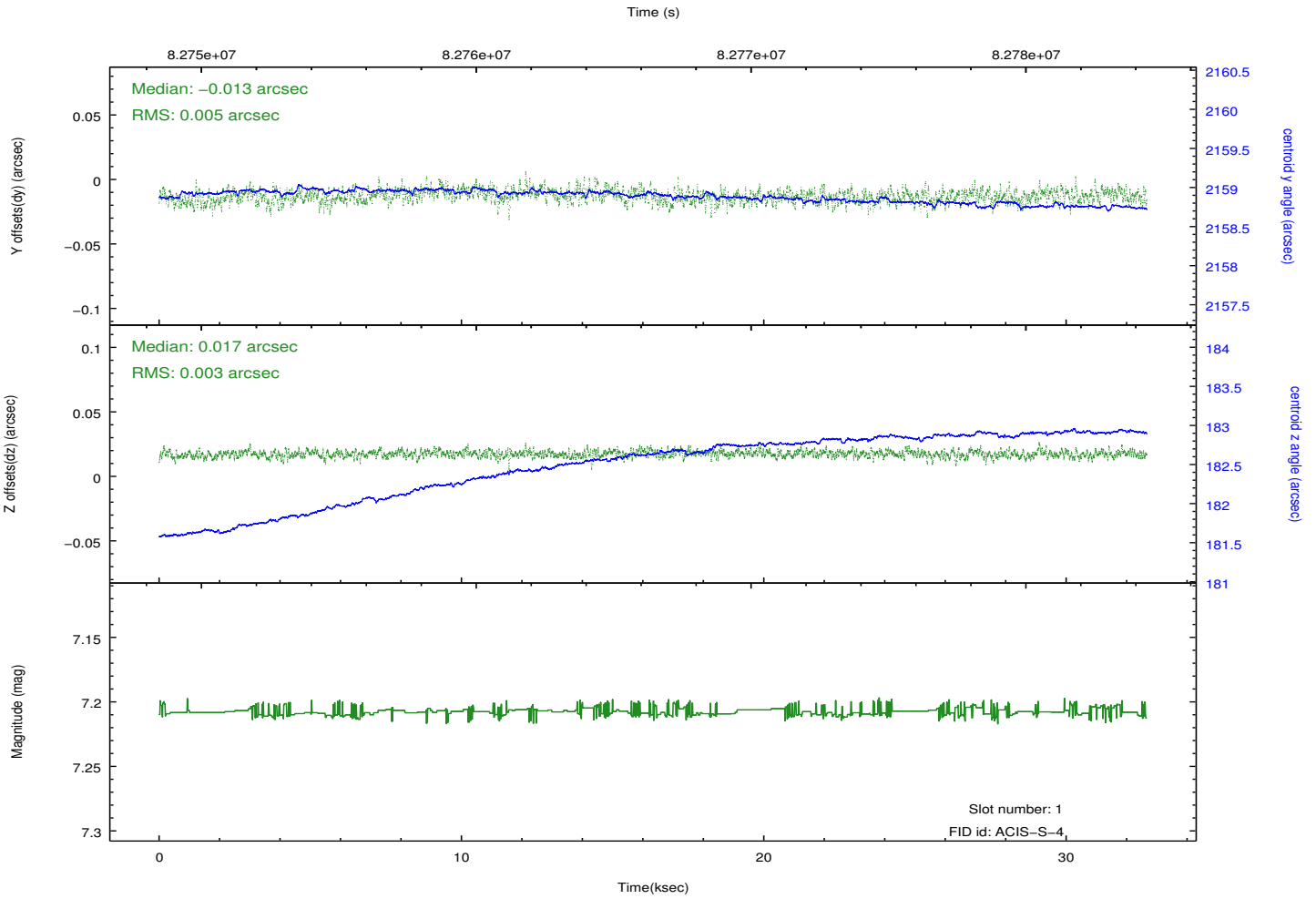
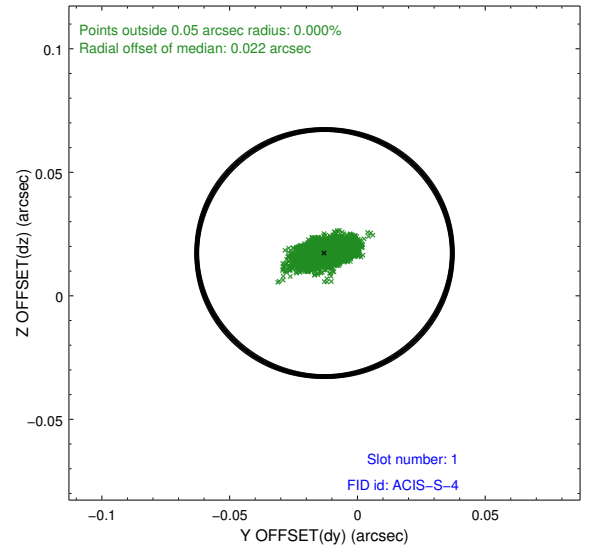
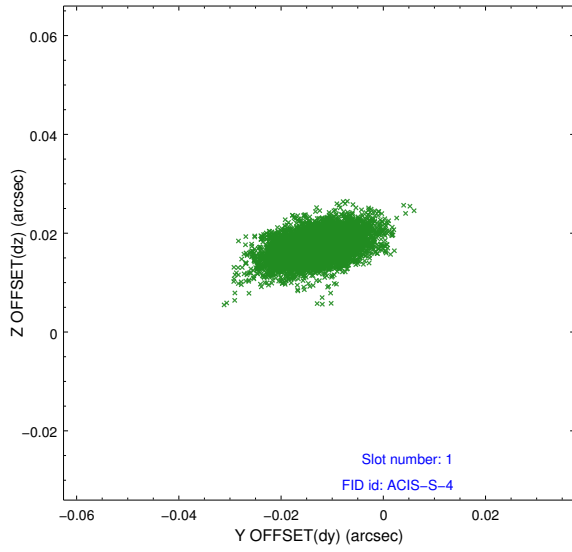


2.5 FID Slots

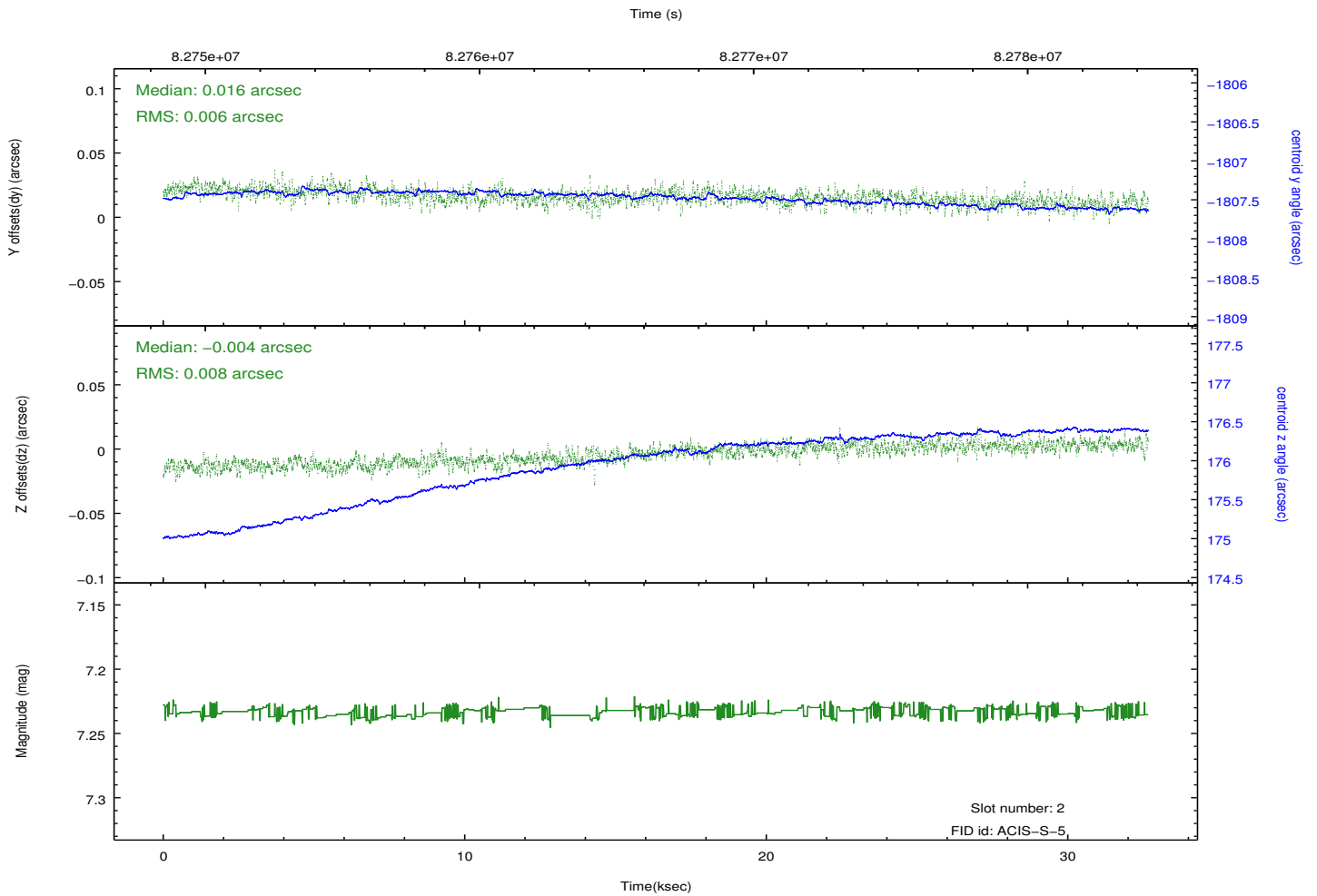
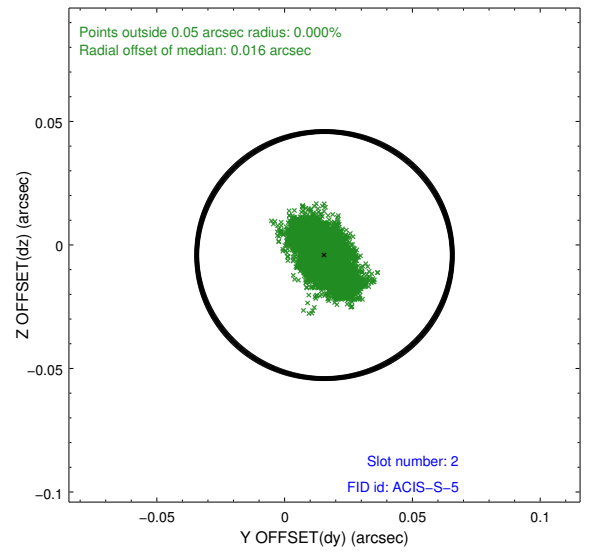
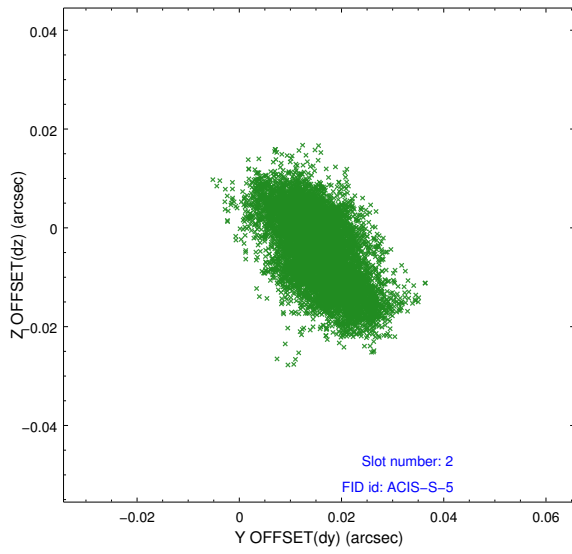
2.5.1 Slot 0



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)	2012.09.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	32.662

A.2 Comments