

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3827 - L2 Version 3
Chandra X-Ray Center

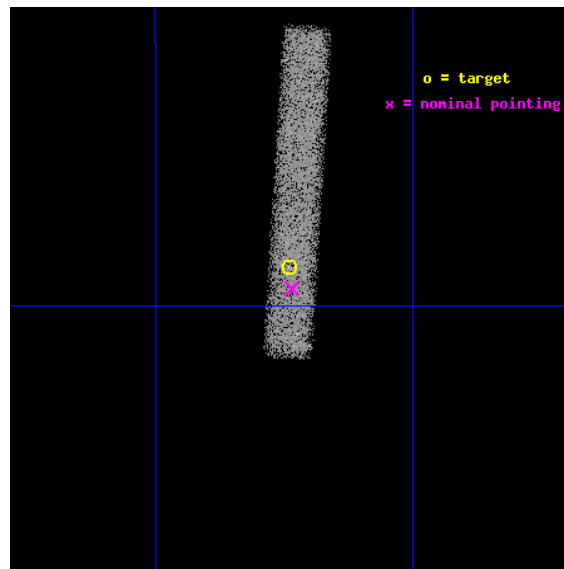
L2 Processing Date : Nov 3 2012

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 6	11
2.4.4	Slot 7	12
2.5	FID Slots	13
2.5.1	Slot 0	13
2.5.2	Slot 1	14
2.5.3	Slot 2	15
A	Summary	16
A.1	Status	16
A.2	Comments	16

1 Front

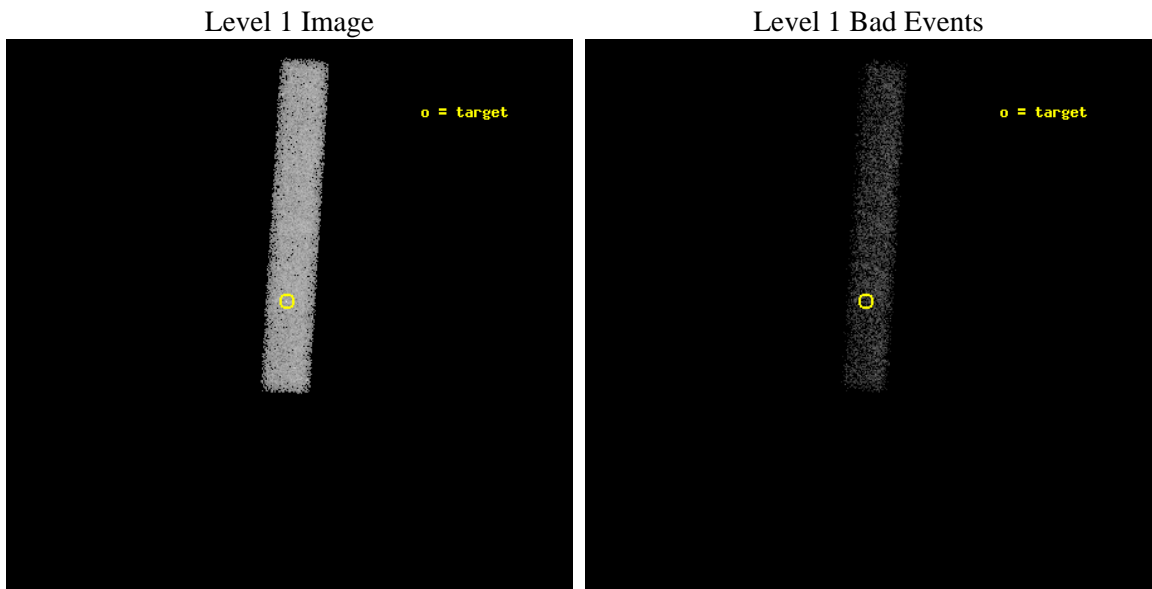
seq_num	400314	Sequence number
obs_id	3827	Observation id
title	FAINT NEUTRON STAR SOFT X-RAY TRANSIENTS IN QUIESCENCE	Proposal ti
observer	dr Peter Jonker	Principal investigator
object	SAX J1810.8-2609	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	272.685	Observer's specified target RA [deg]
dec_targ	-26.15	Observer's specified target Dec [deg]
ra_nom	272.68374829472	Nominal RA [deg]
dec_nom	-26.159622578328	Nominal Dec [deg]
roll_nom	273.46302956683	Nominal Roll [deg]
revision	3	Processing version of data
ontime	35141.559483618	Sum of GTIs [s]
livetime	31871.539528041	Livetime [s]
ontime7	35141.559483618	Sum of GTIs [s]
l2events	18024	Number of level 2 events



2 OBI

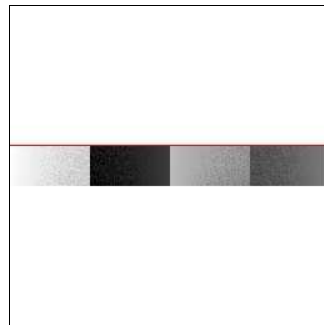
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	35000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	35141.559483618	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	35141.559483618	Sum of GTIs [s]
date	2012-11-03T15:51:45	Date and time of file creation	l1events	40757	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

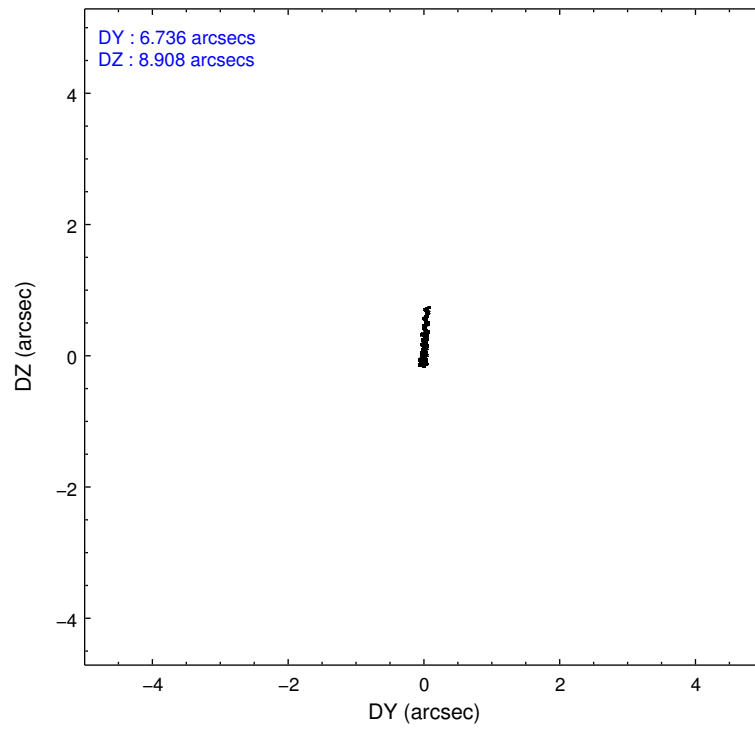
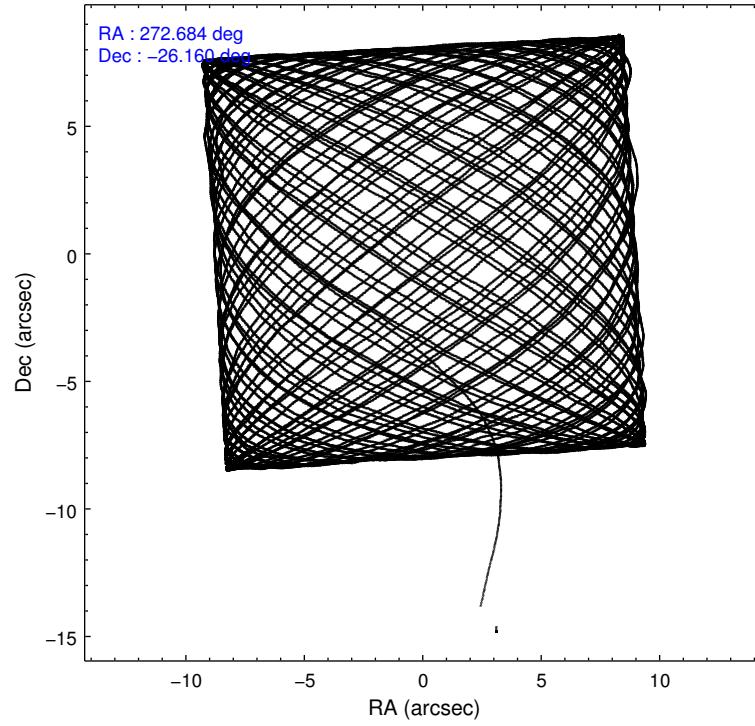
	ccd 7
level 1 events	40757
rejected events	22031
rejected %	54%

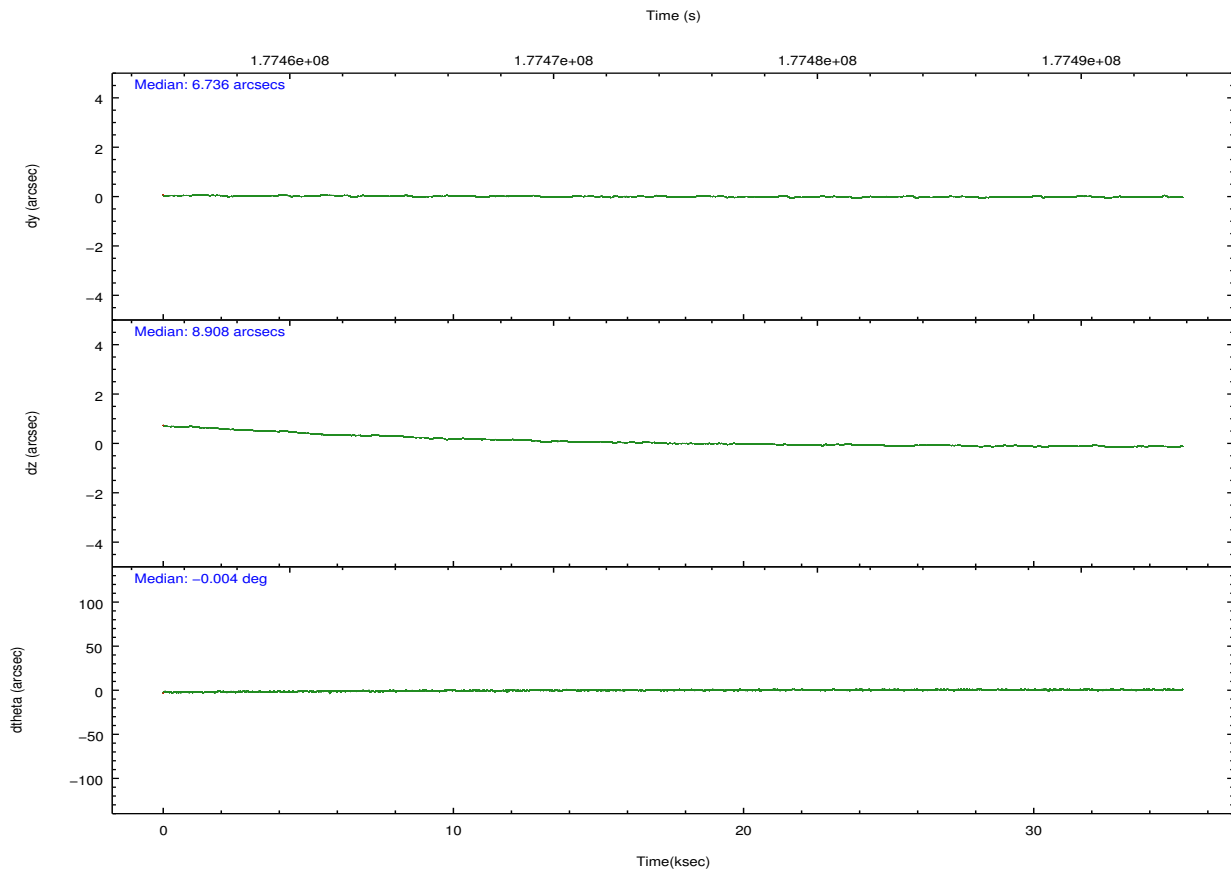
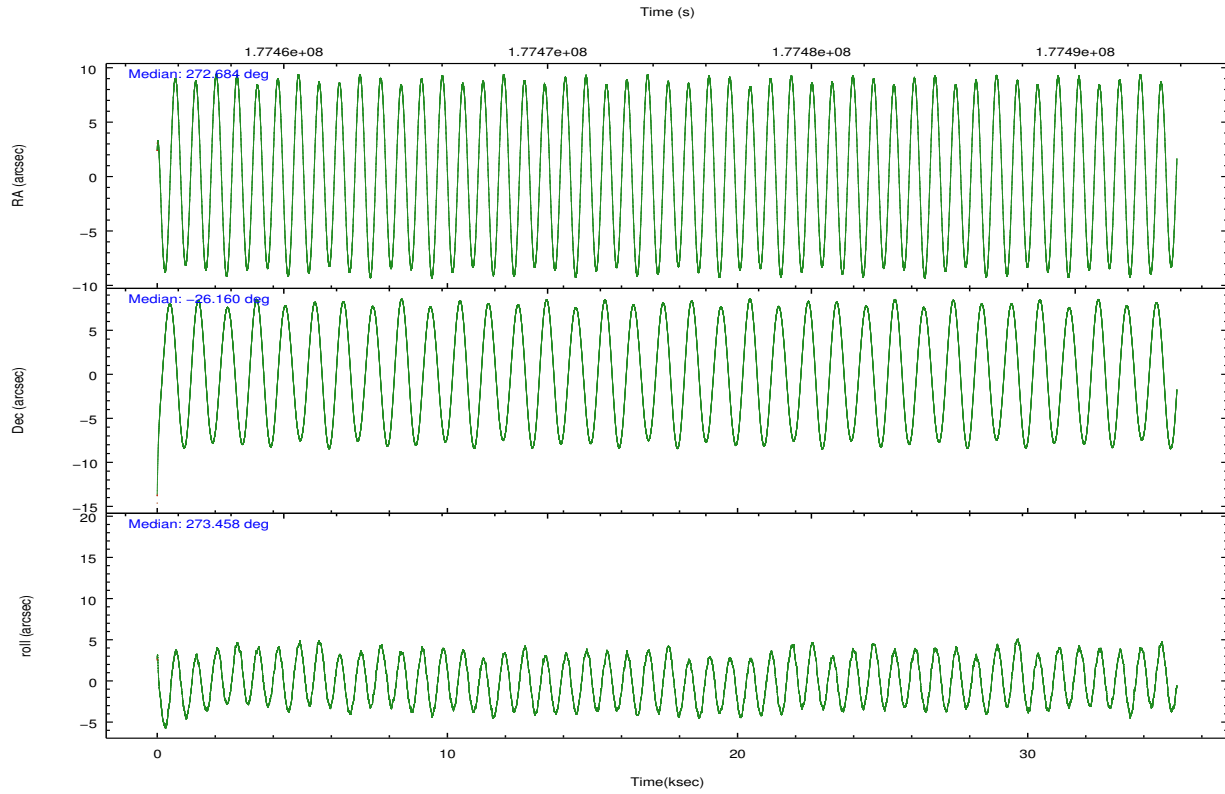
	ccd 7
grade 0 events	2136
	5%
grade 1 events	38
	0%
grade 2 events	3668
	8%
grade 3 events	2472
	6%
grade 4 events	2436
	5%
grade 5 events	3743
	9%
grade 6 events	8468
	20%
grade 7 events	17796
	43%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	272.666687	272.68374829472	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-26.137095	-26.15962257832781	Subarray start row	449	449
[deg] Pointing Roll	273.298882	273.4630295668265	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)	177457101.184000	177456025.72463			
Observation start date	2003-08-16T21:37:17	2003-08-16T21:20:25			
[s] Observation end time (MET)	177492101.184000	177493787.23875			
Observation end date	2003-08-17T07:20:37	2003-08-17T07:49:47			
Read mode	TIMED	TIMED			

2.3 Aspect



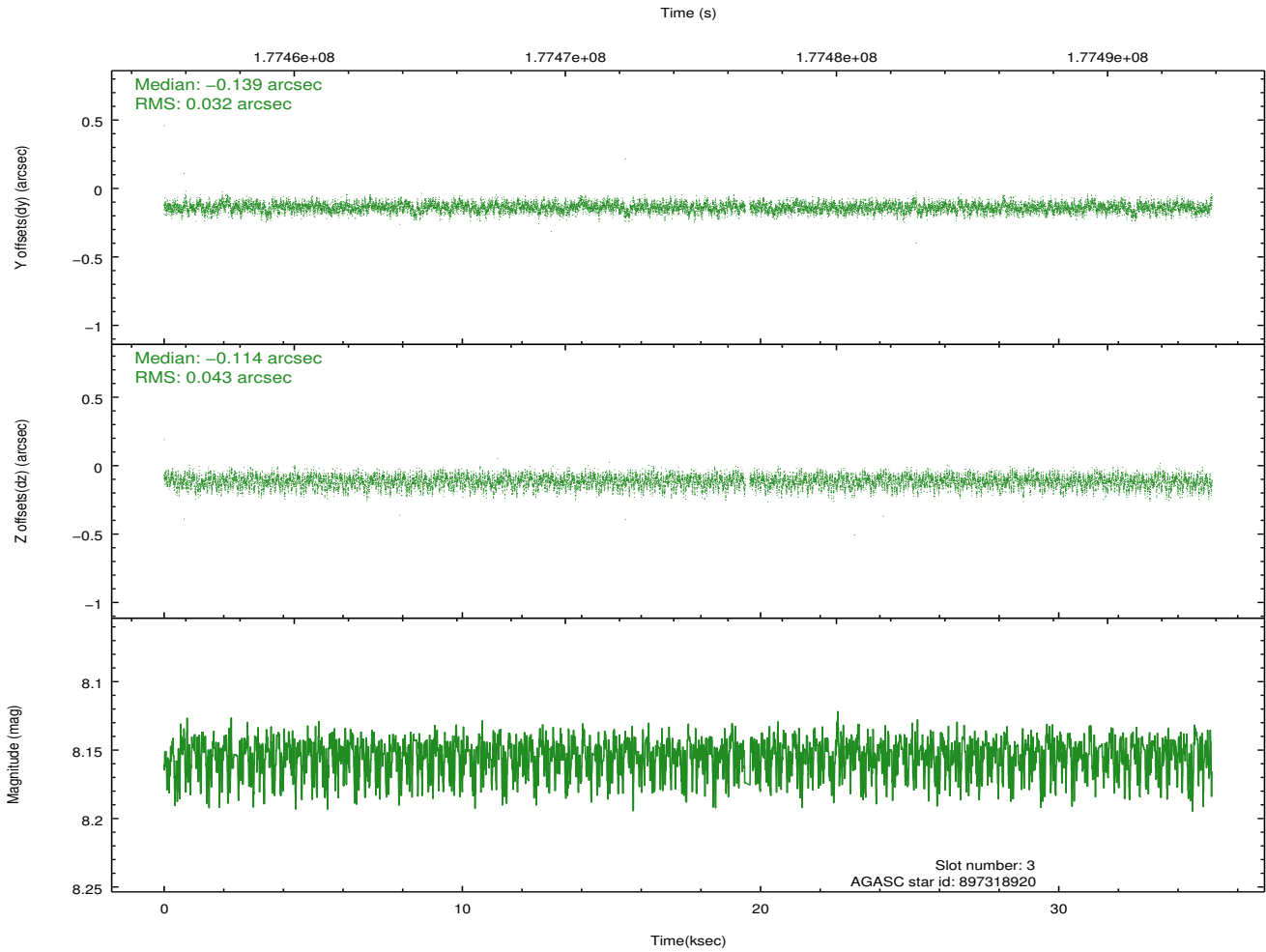
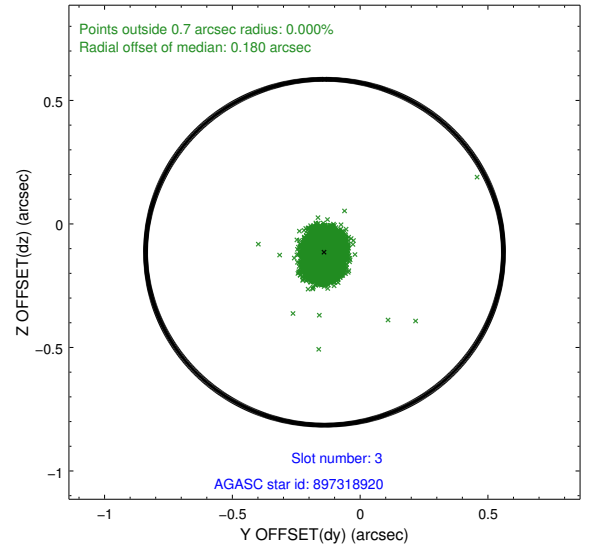
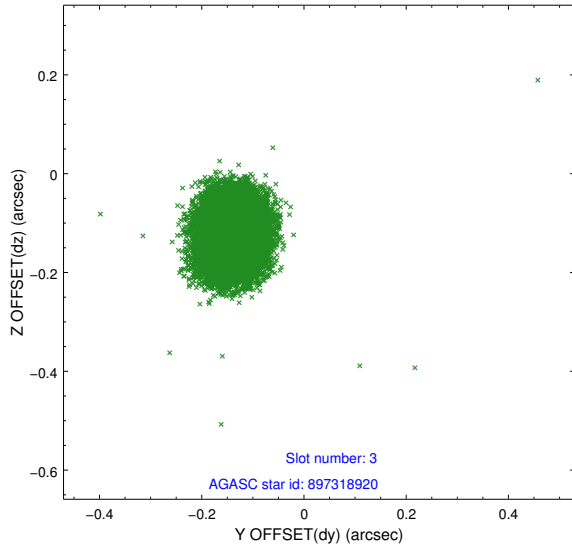


Slot Statistics

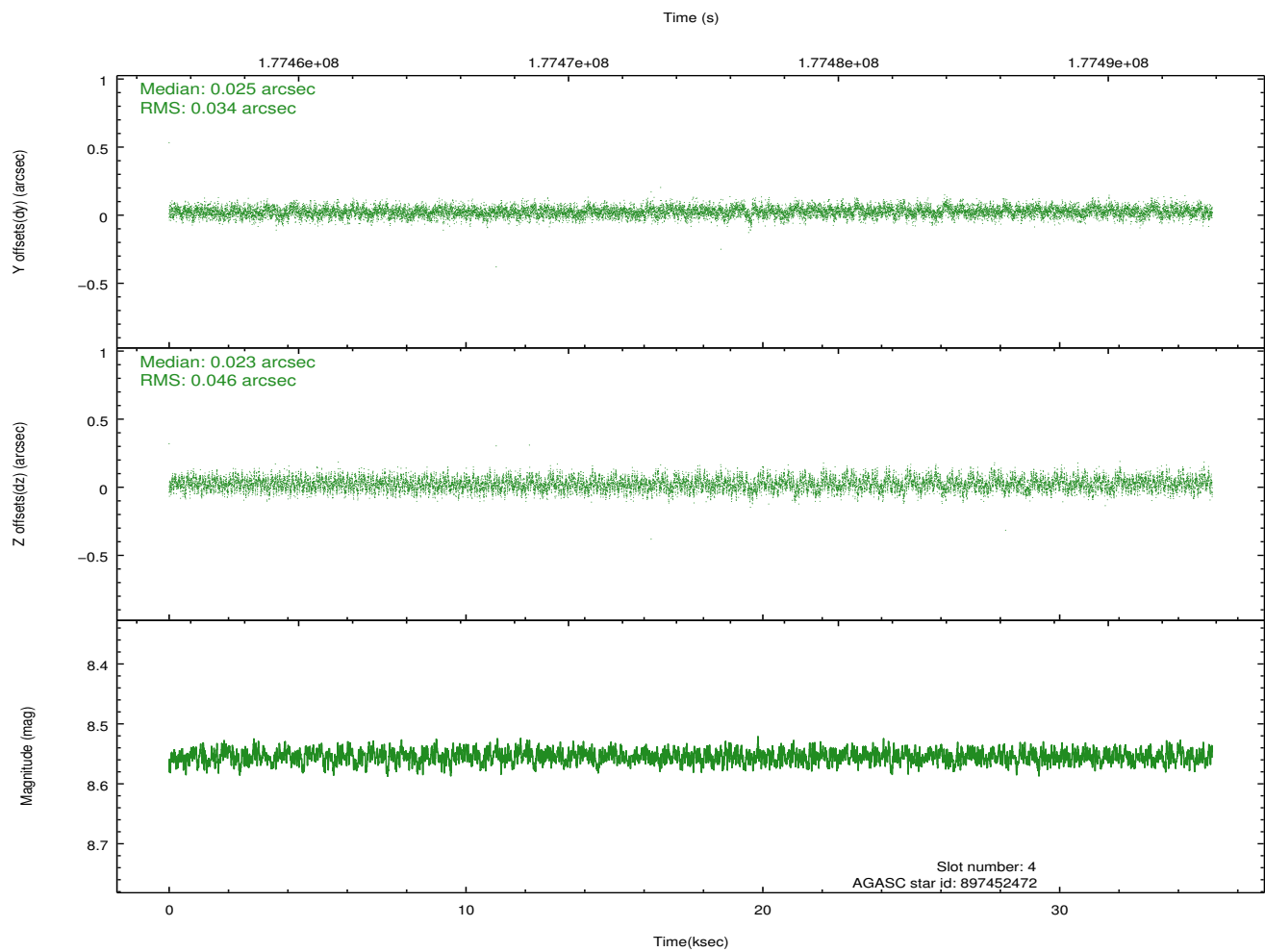
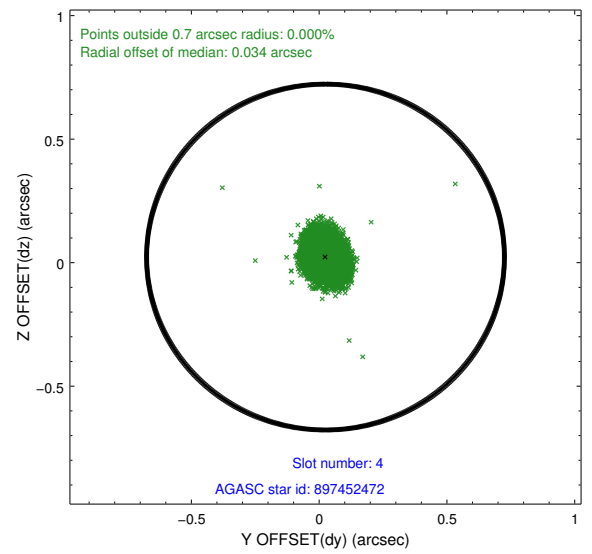
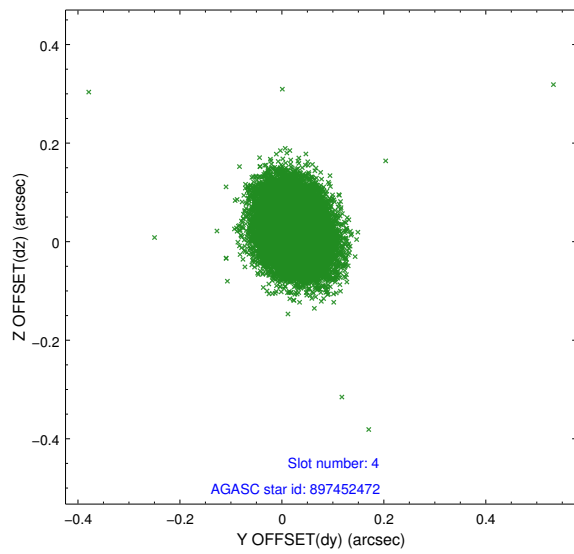
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	8571	-0.038	-0.041	0.009	0.016	0.000000	0.000000	-759.52	-1730.22
1	FID	ACIS-S-4	7.20	8571	0.068	0.030	0.006	0.013	0.000000	0.000000	2153.85	178.30
2	FID	ACIS-S-5	7.23	8572	-0.060	0.020	0.008	0.014	0.000000	0.000000	-1812.33	172.00
3	GUIDE	897318920	8.15	17067	-0.139	-0.114	0.057	0.092	272.091103	-25.714927	-1620.29	-1776.61
4	GUIDE	897452472	8.55	17140	0.025	0.023	0.061	0.099	272.897639	-26.119105	-20.81	749.17
5	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
6	GUIDE	898027632	7.98	17141	0.099	-0.016	0.051	0.084	272.207016	-26.554933	1419.84	-1564.15
7	GUIDE	897450216	9.54	17123	0.015	0.111	0.086	0.141	272.948933	-26.020225	-366.12	936.00

2.4 Star Slots

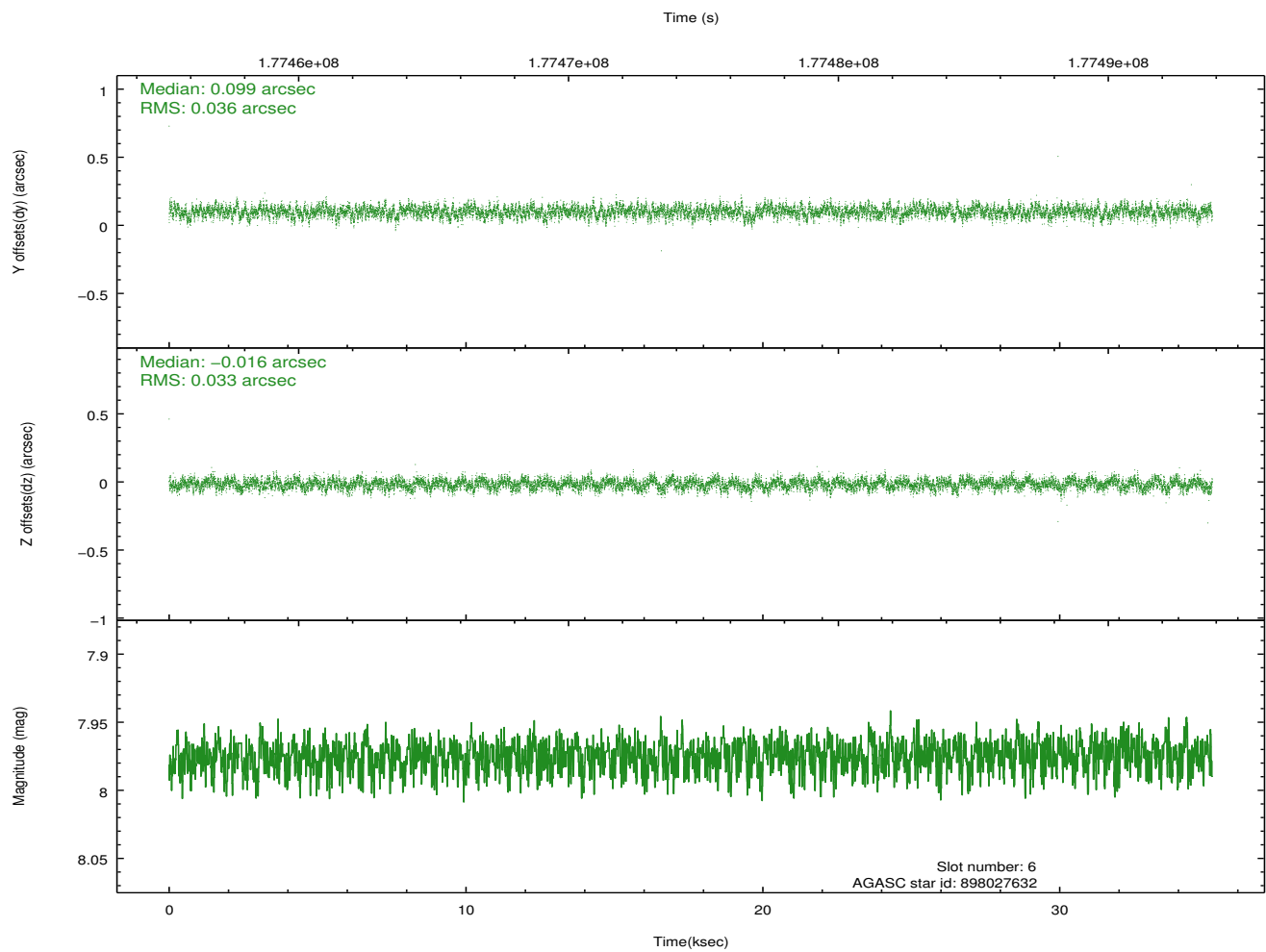
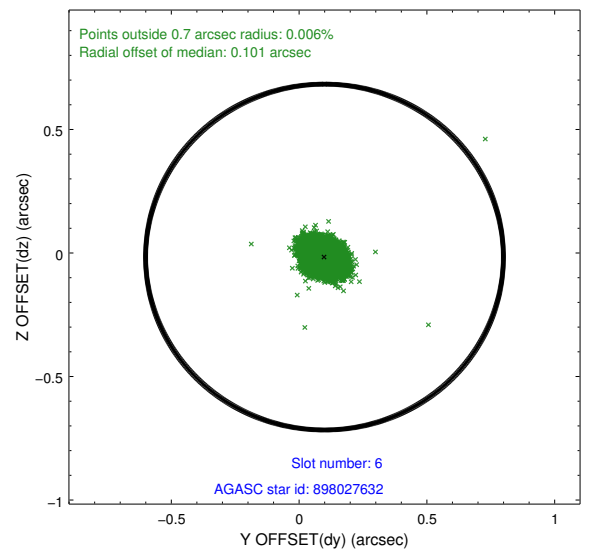
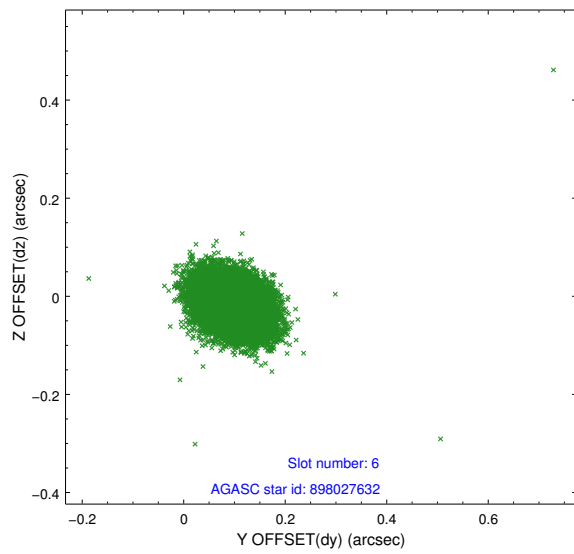
2.4.1 Slot 3



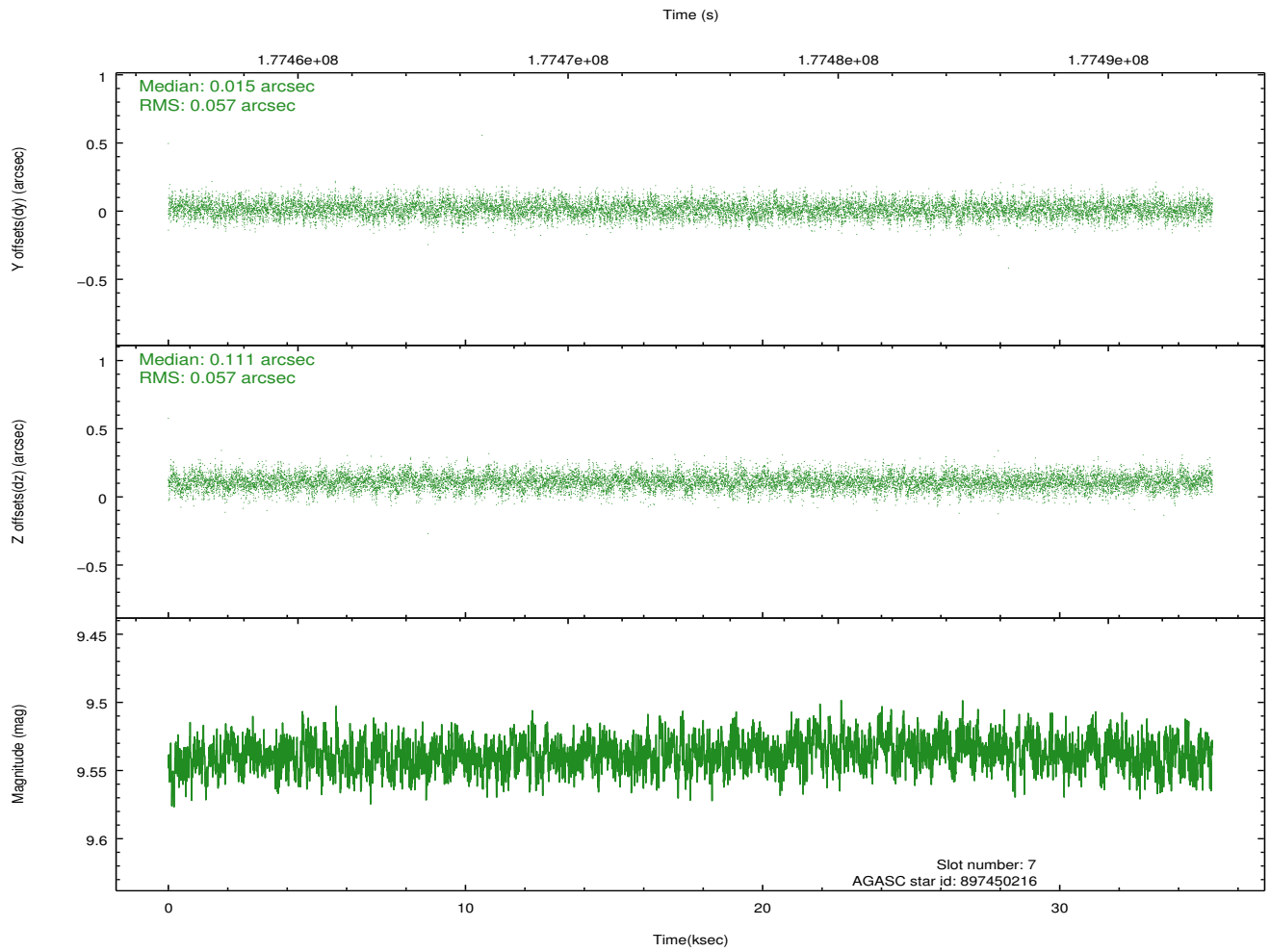
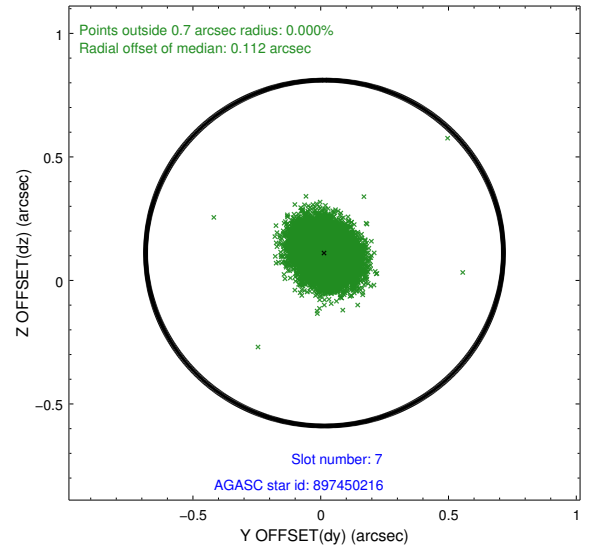
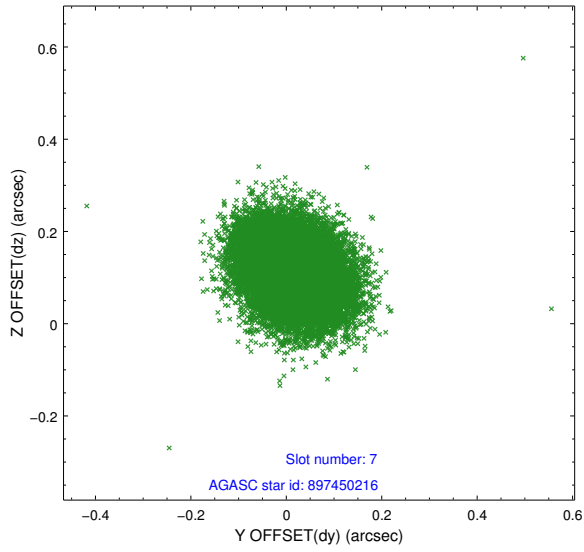
2.4.2 Slot 4



2.4.3 Slot 6

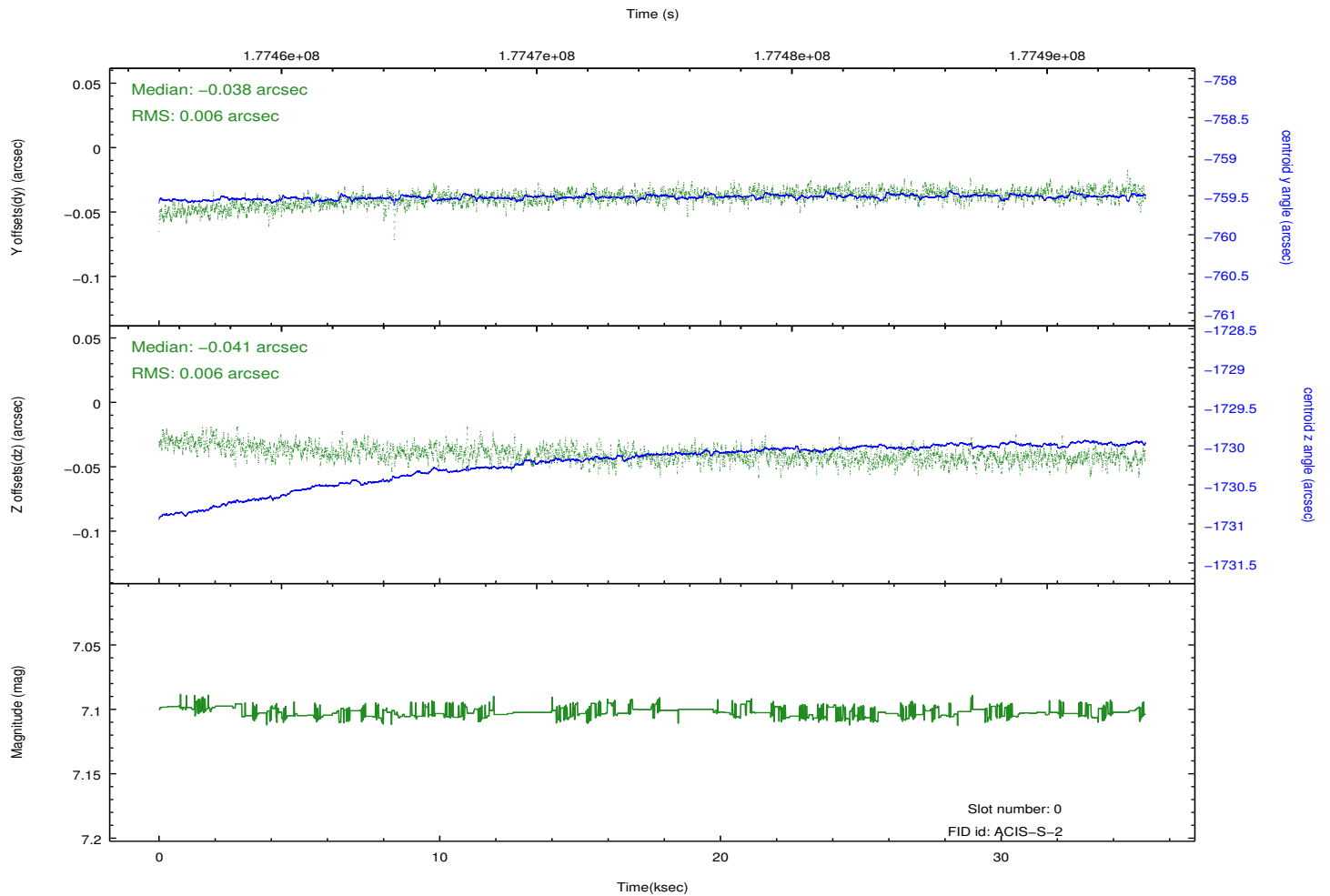
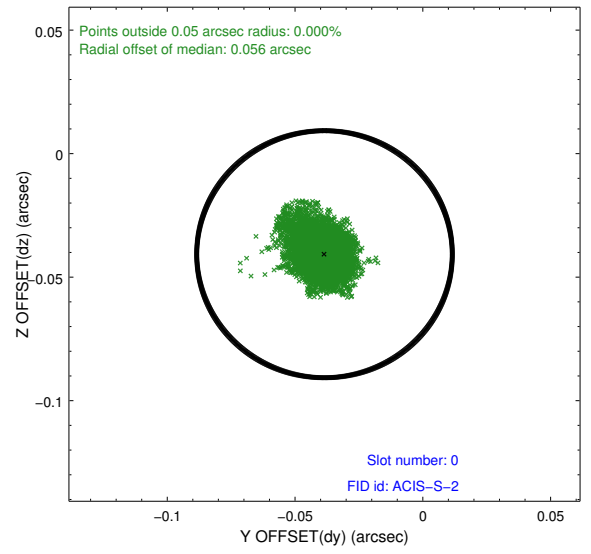
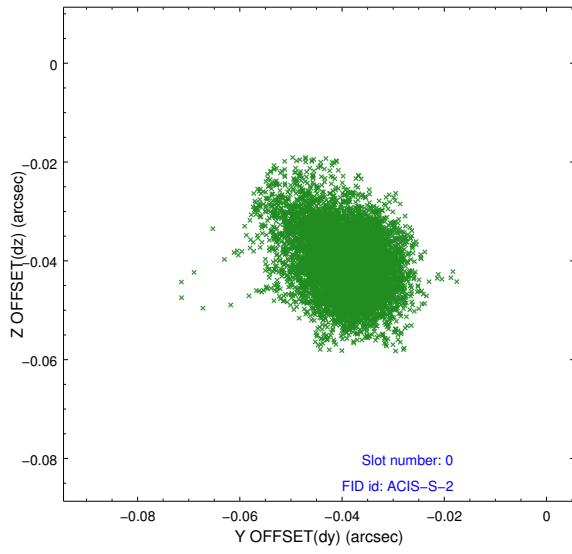


2.4.4 Slot 7

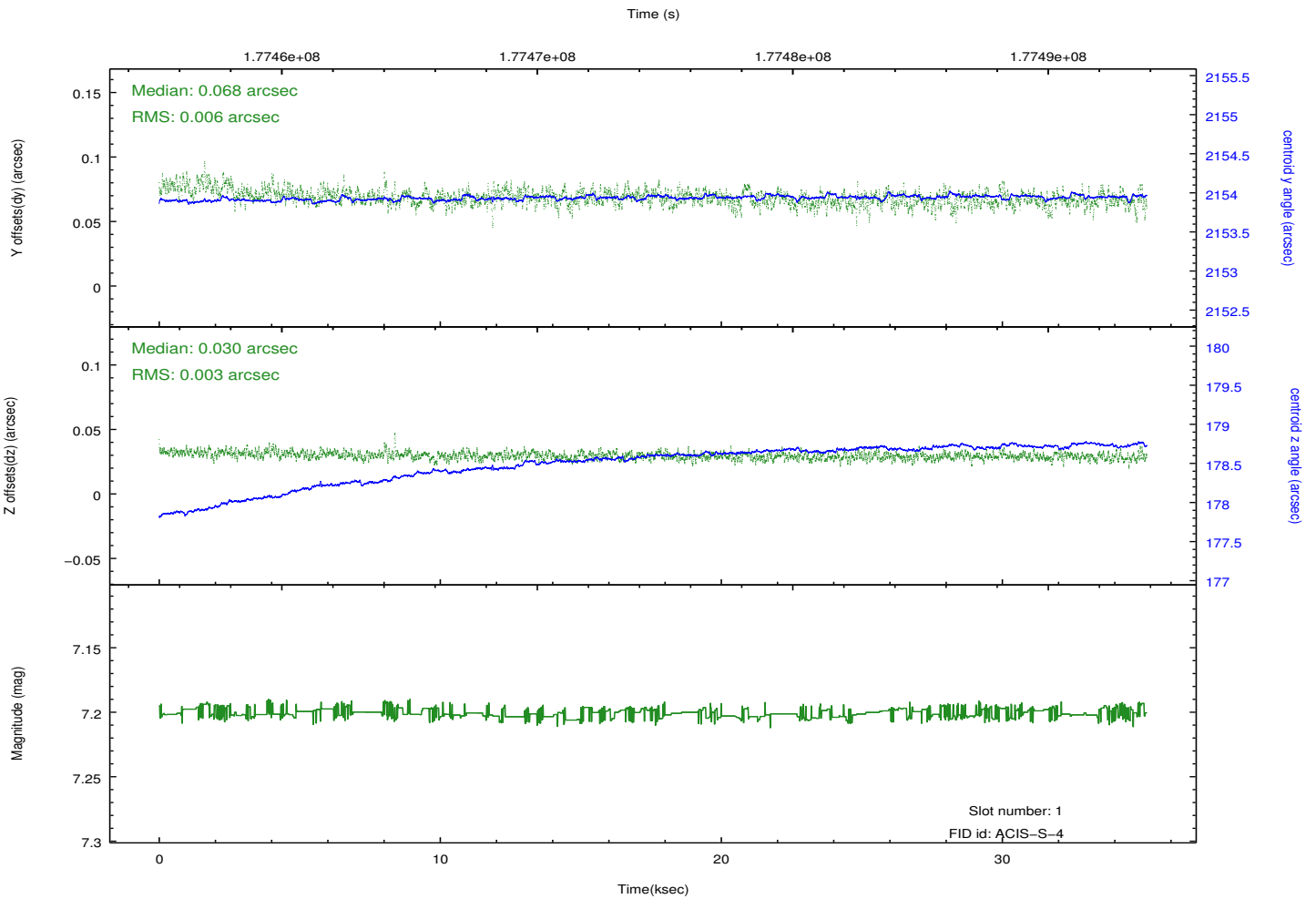
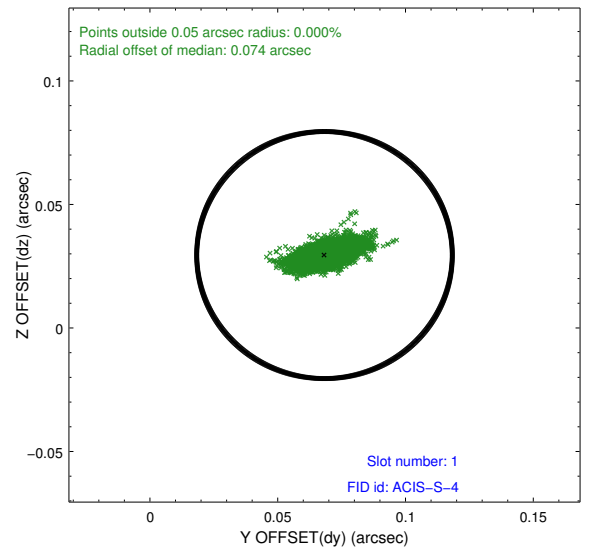
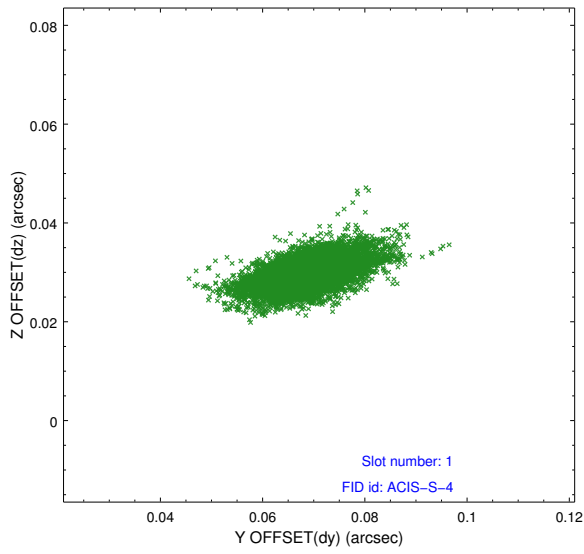


2.5 FID Slots

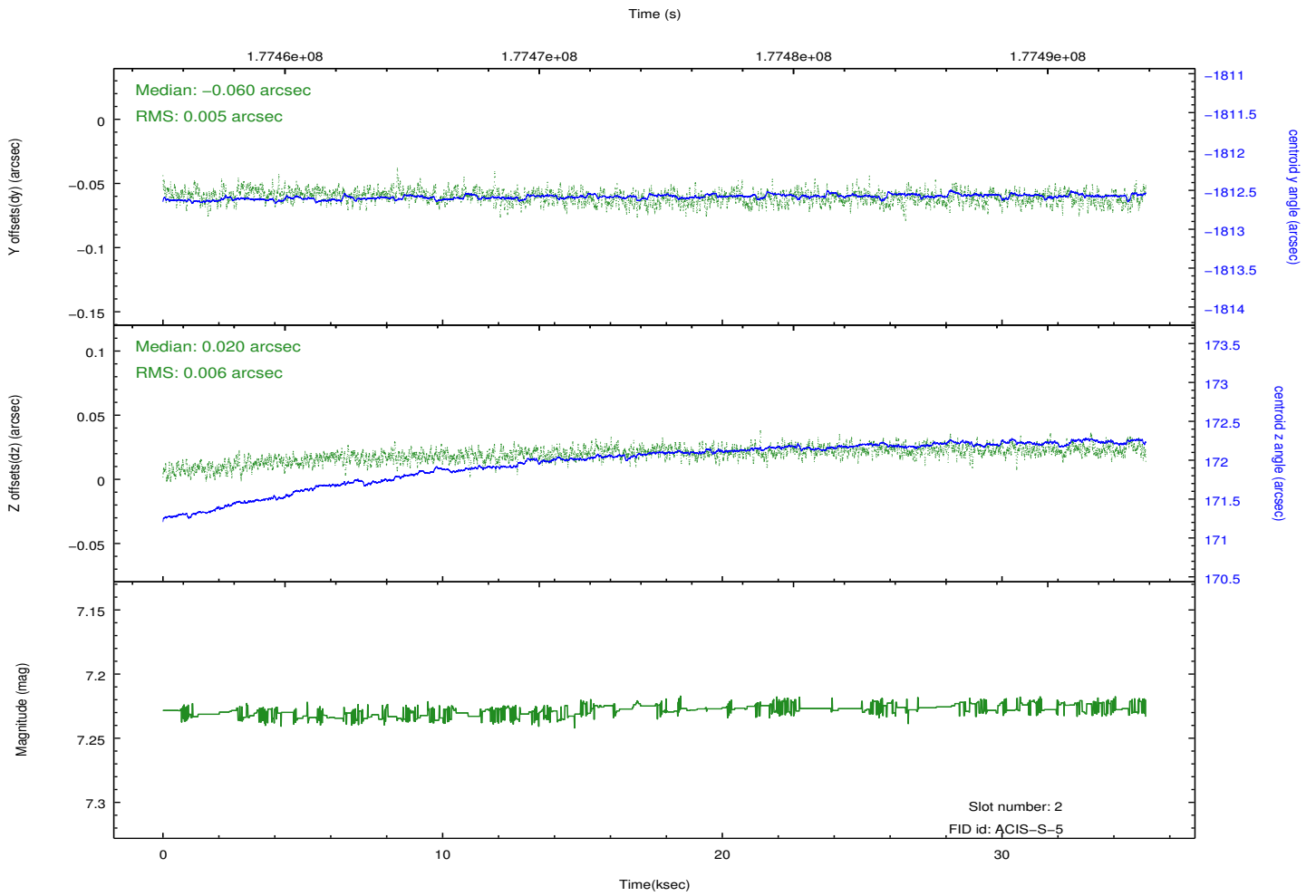
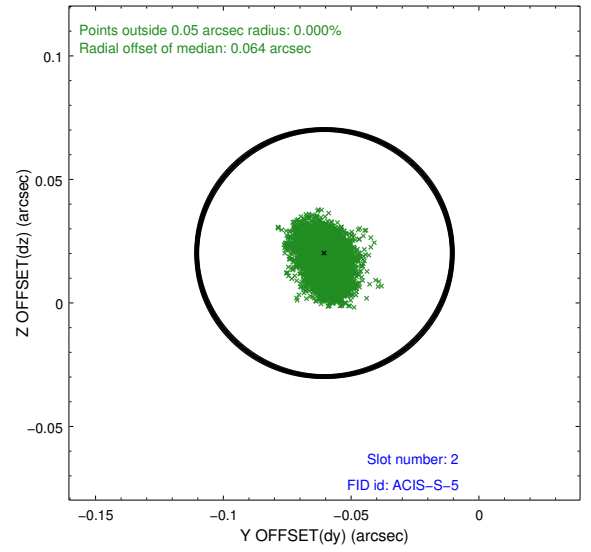
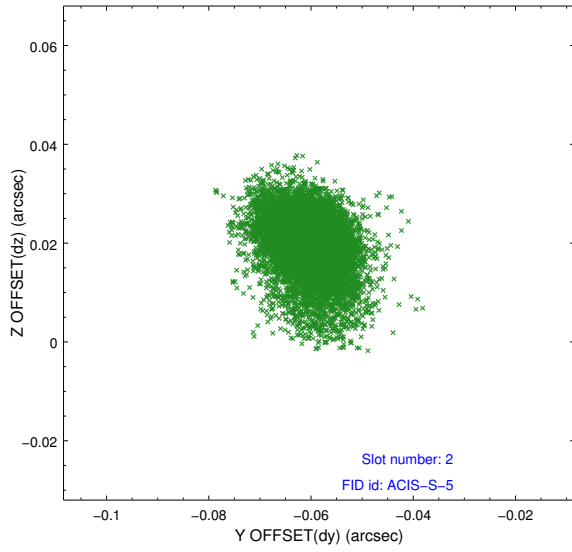
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.11.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.141

A.2 Comments

Slot 5 was not utilized in this observation.