

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12940 - L2 Version 2
Chandra X-Ray Center

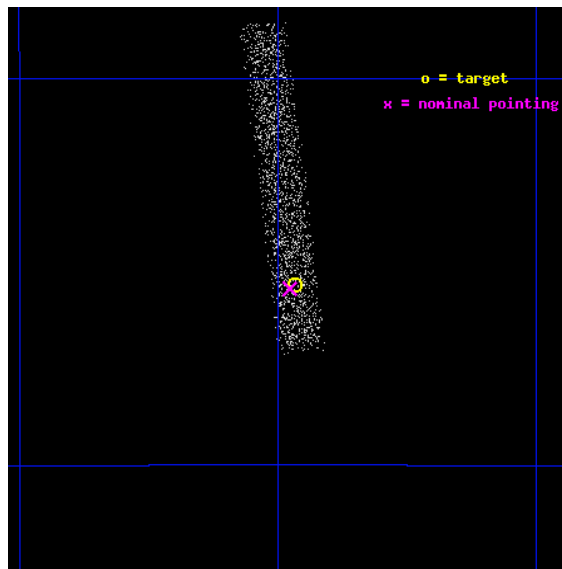
L2 Processing Date : Feb 24 2012

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

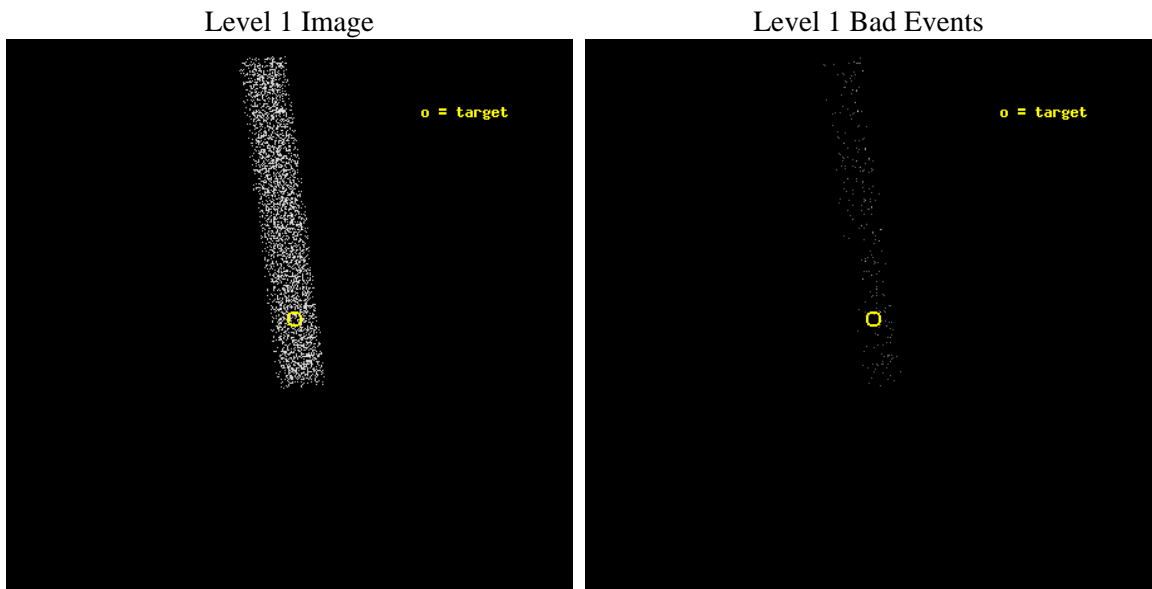
seq_num	900972	Sequence number
obs_id	12940	Observation id
title	Chandra Studies of Unidentified X-ray Sources in the Galactic Bulge	
observer	Dr. Hideyuki Mori	Principal investigator
object	1RXS J170428.0-253520	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	256.116667	Observer's specified target RA [deg]
dec_targ	-25.588889	Observer's specified target Dec [deg]
ra_nom	256.11927350052	Nominal RA [deg]
dec_nom	-25.590772683749	Nominal Dec [deg]
roll_nom	262.99517418519	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3853.0686255097	Sum of GTIs [s]
livetime	3494.5298616994	Livetime [s]
ontime7	3853.0686255097	Sum of GTIs [s]
l2events	1988	Number of level 2 events



2 OBI

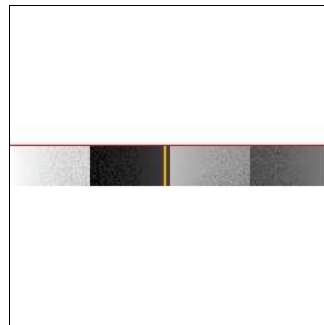
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	3853.0686255097	Sum of GTIs [s]
caldbver	4.4.8	 	ontime7	3853.0686255097	Sum of GTIs [s]
date	2012-02-25T02:41:16	Date and time of file creation	l1events	4038	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

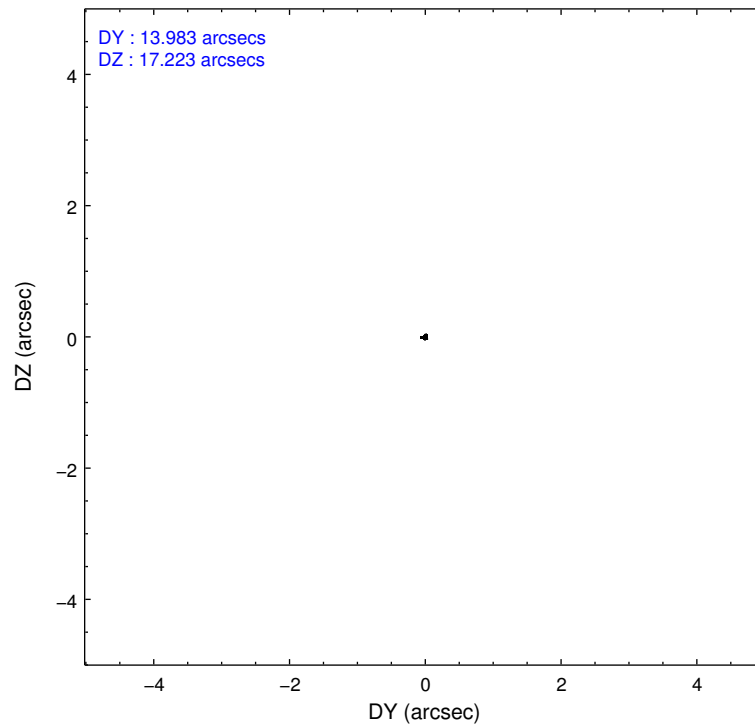
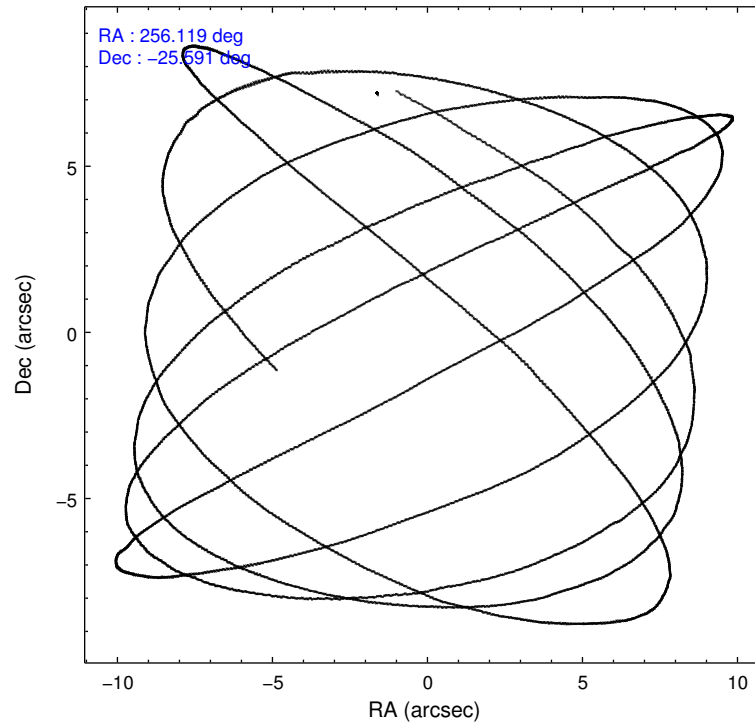
	ccd 7
level 1 events	4038
rejected events	1957
rejected %	48%

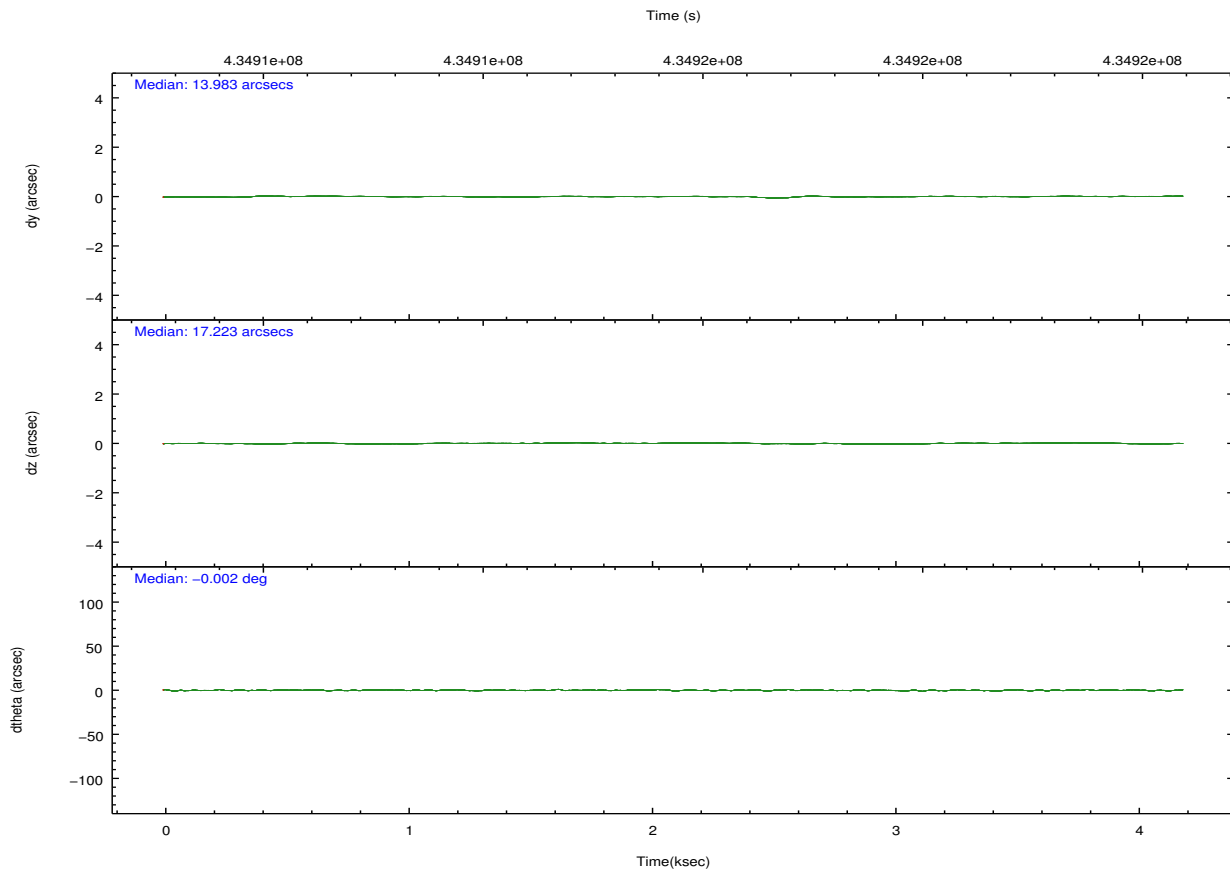
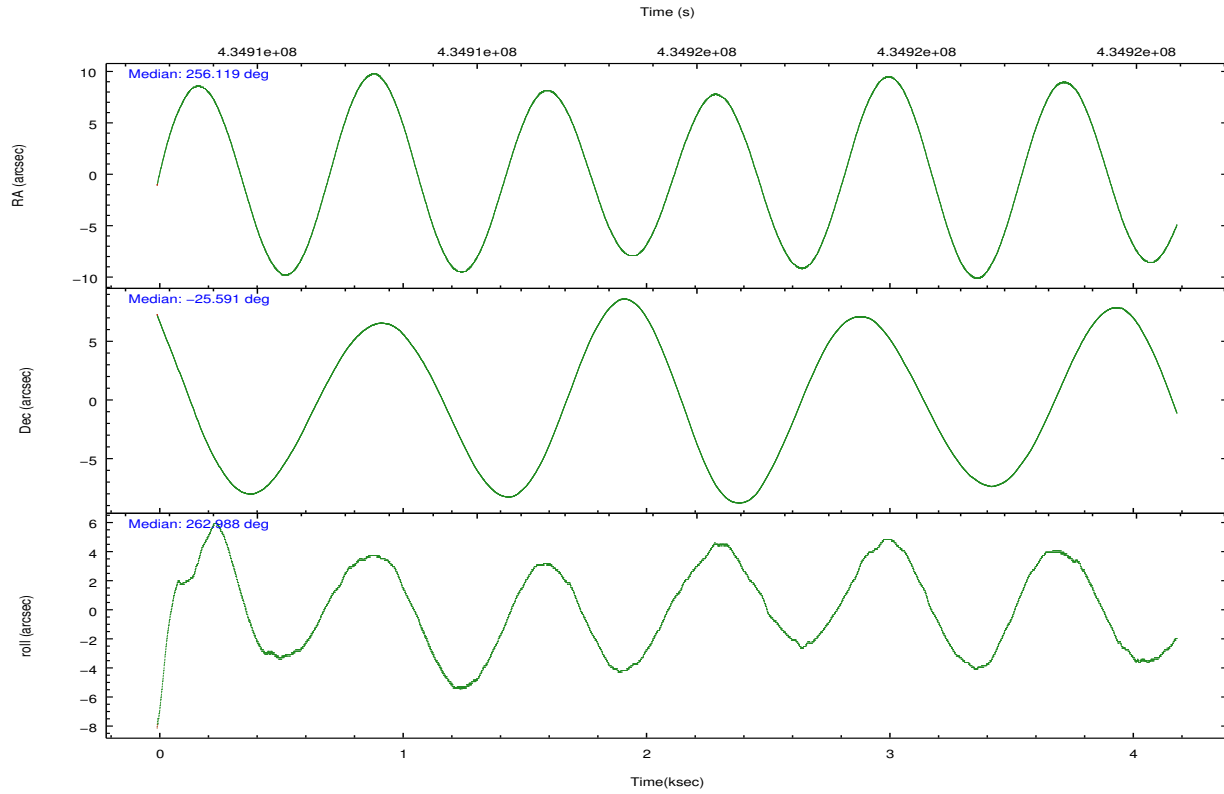
	ccd 7
grade 0 events	227
	5%
grade 1 events	5
	0%
grade 2 events	404
	10%
grade 3 events	234
	5%
grade 4 events	265
	6%
grade 5 events	382
	9%
grade 6 events	951
	23%
grade 7 events	1570
	38%

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	256.107032	256.1192735005183	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-25.565795	-25.590772683749	Subarray start row	449	449
[deg] Pointing Roll	262.833275	262.9951741851883	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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	434912948.184000	434912347.68509			
Observation start date	2011-10-13T17:08:02	2011-10-13T16:59:07			
[s] Observation end time (MET)	434916948.184000	434917345.07285			
Observation end date	2011-10-13T18:14:42	2011-10-13T18:22:25			
Read mode	TIMED	TIMED			

2.3 Aspect



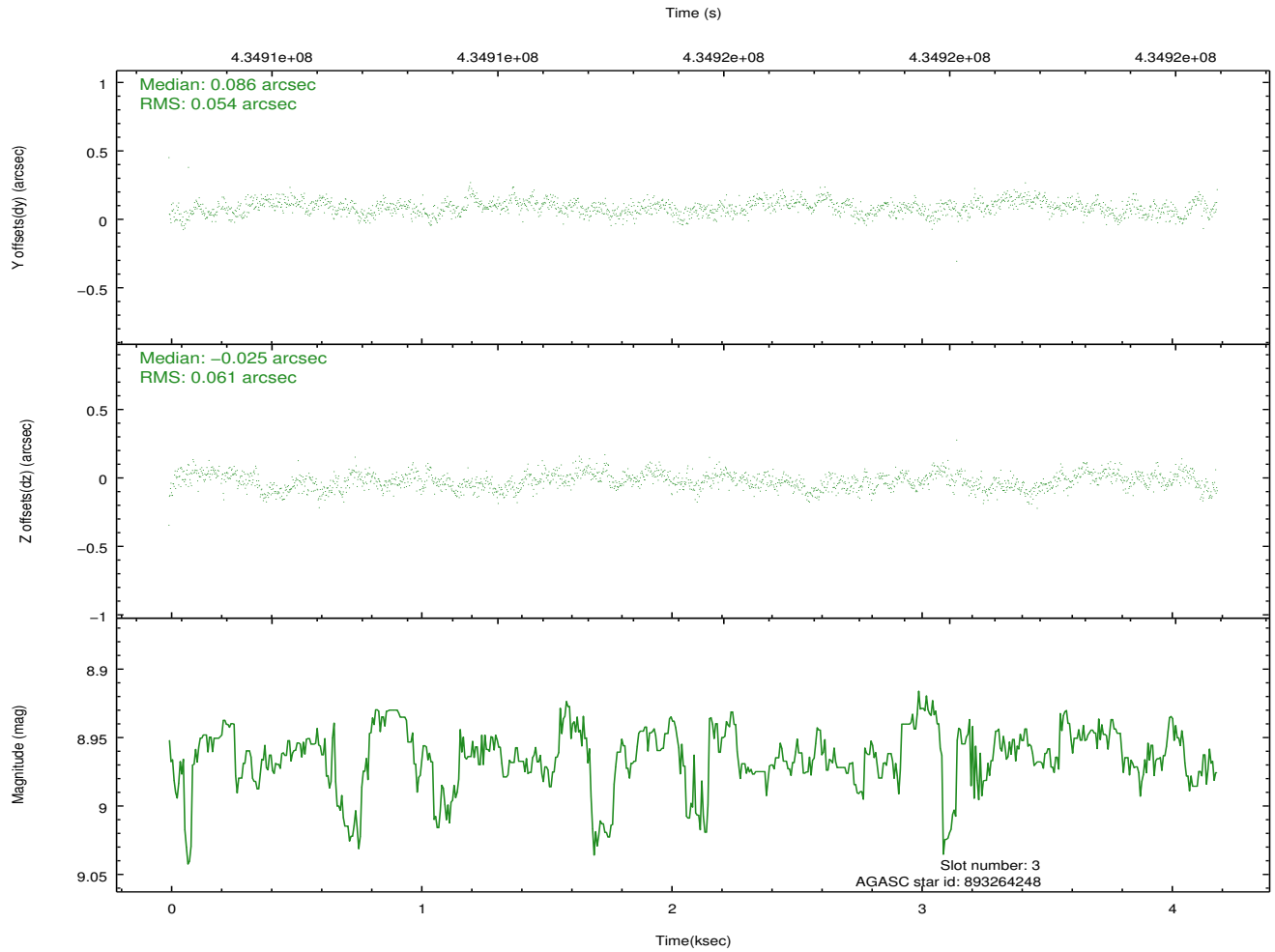
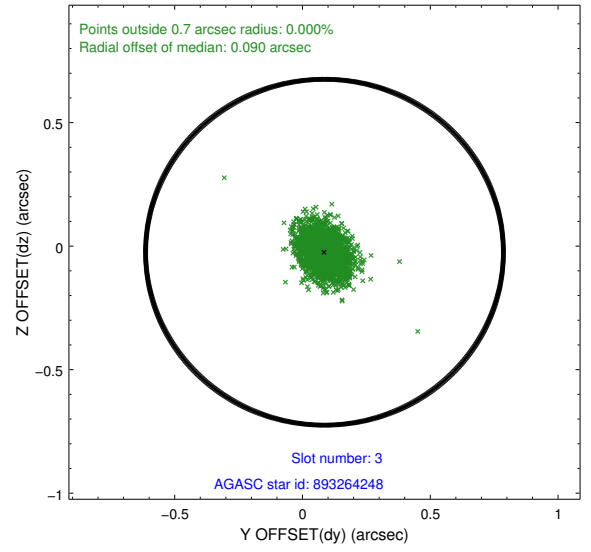
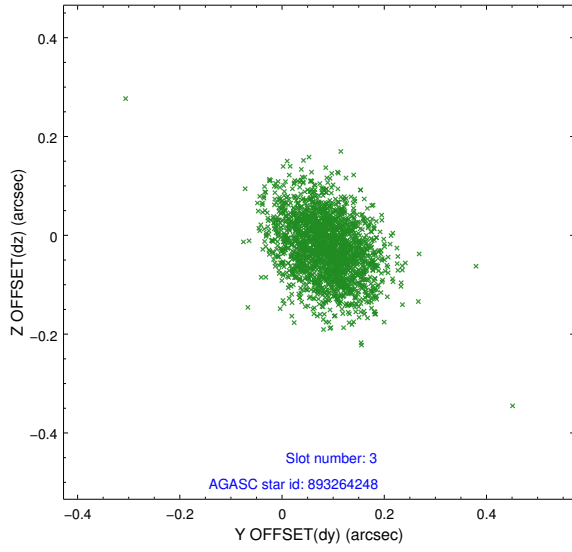


Slot Statistics

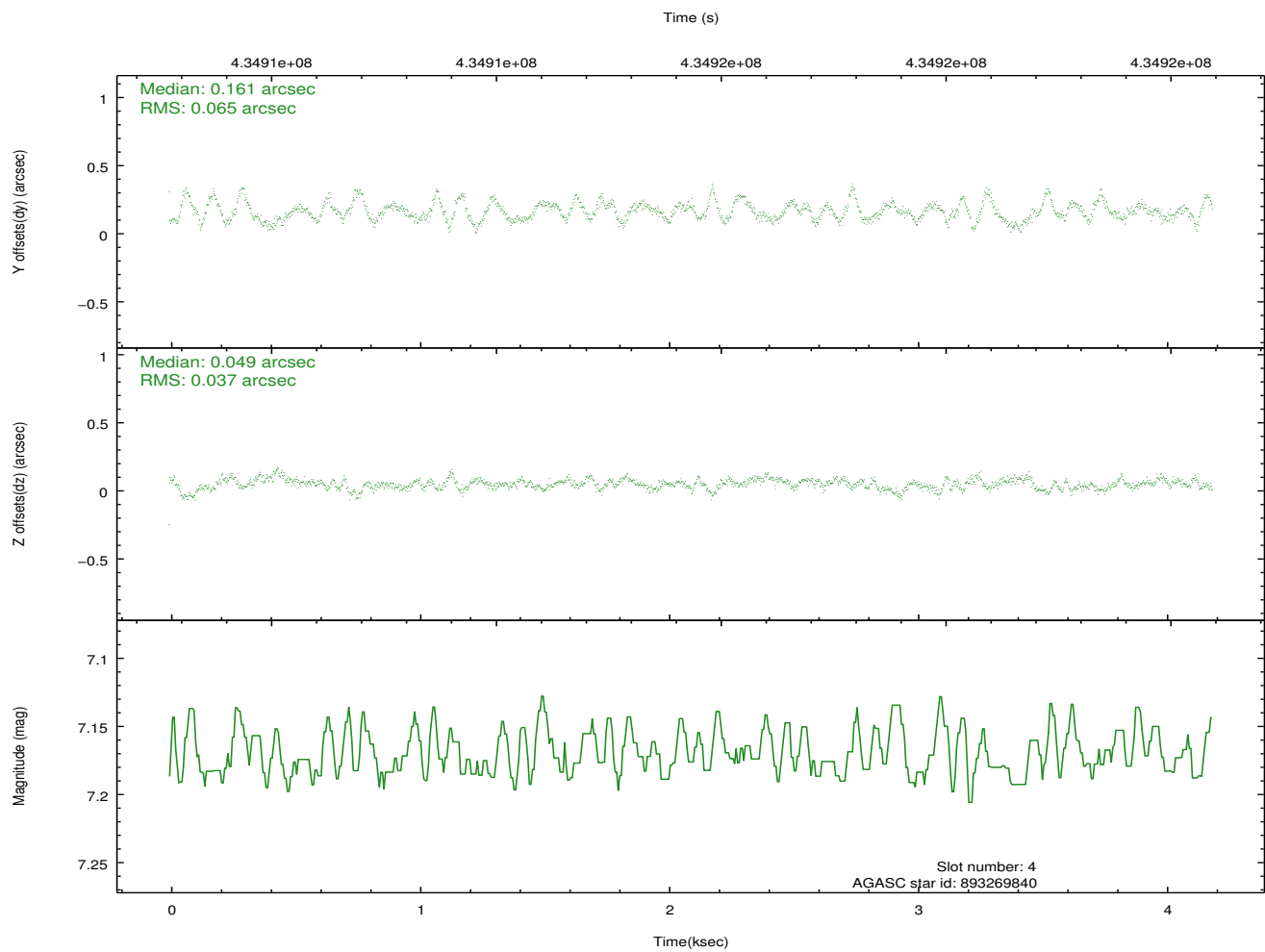
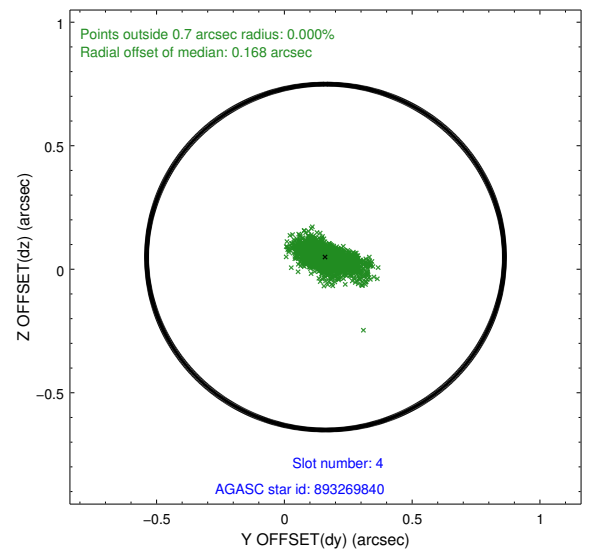
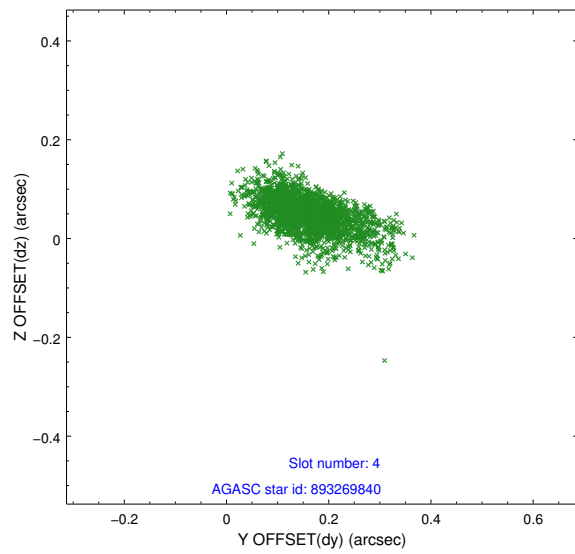
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	1023	-0.050	-0.038	0.007	0.010	0.000000	0.000000	-767.02	-1738.67
1	FID	ACIS-S-4	6.96	1023	0.225	0.035	0.005	0.009	0.000000	0.000000	2145.90	168.26
2	FID	ACIS-S-5	6.99	1023	-0.206	0.012	0.007	0.010	0.000000	0.000000	-1818.07	163.71
3	GUIDE	893264248	8.96	2039	0.086	-0.025	0.085	0.140	255.349152	-25.740001	936.78	-2358.93
4	GUIDE	893269840	7.17	2045	0.161	0.049	0.075	0.138	256.003391	-25.697999	515.66	-275.11
5	GUIDE	893277120	8.50	2044	0.011	-0.012	0.078	0.125	256.410161	-25.816200	773.88	1087.35
6	GUIDE	893279496	7.39	2045	-0.250	-0.046	0.044	0.070	255.827281	-24.995551	-1921.32	-1161.30
7	GUIDE	893286696	8.36	2043	-0.011	0.032	0.067	0.109	256.671020	-25.204941	-1515.02	1660.57

2.4 Star Slots

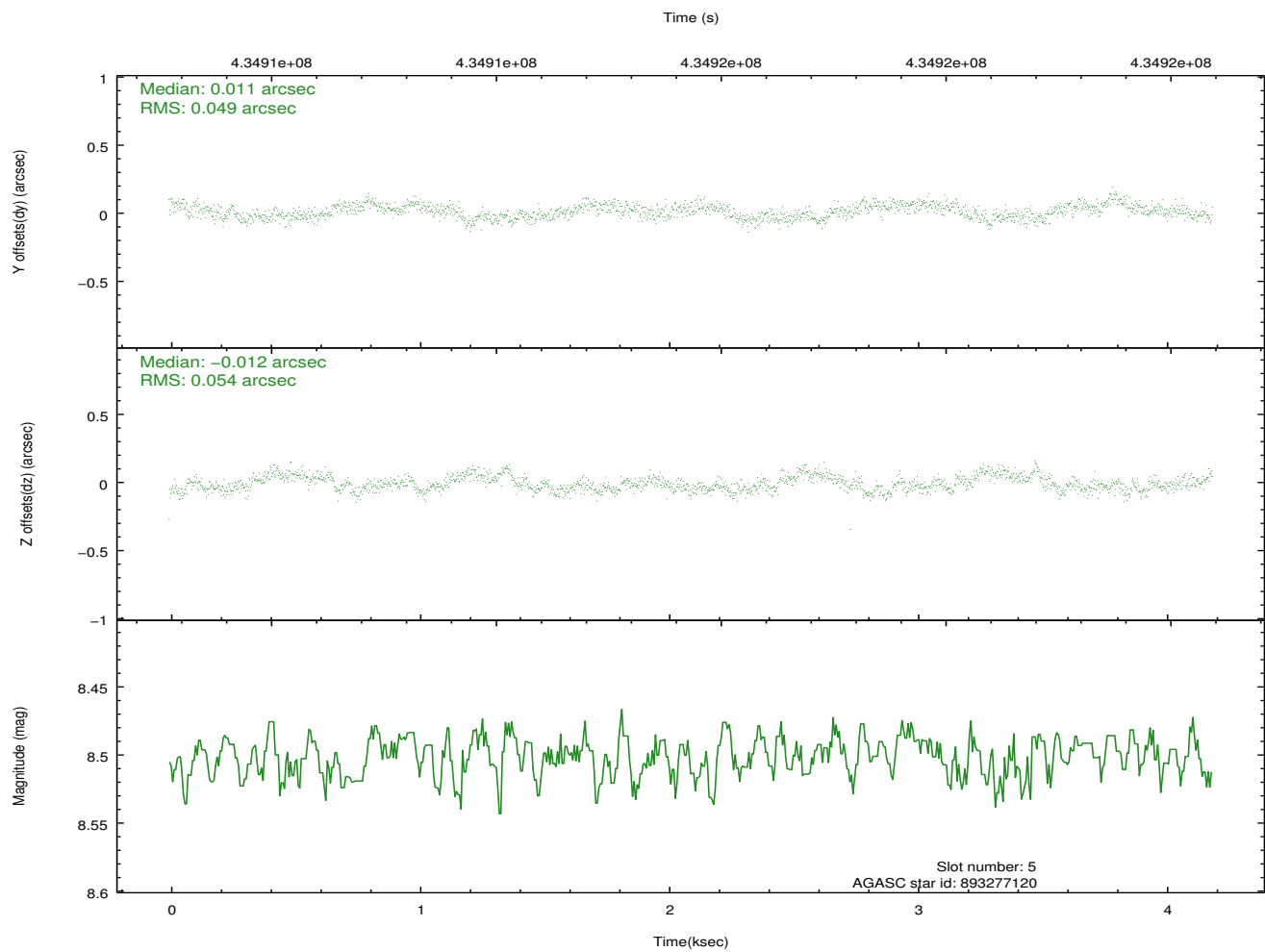
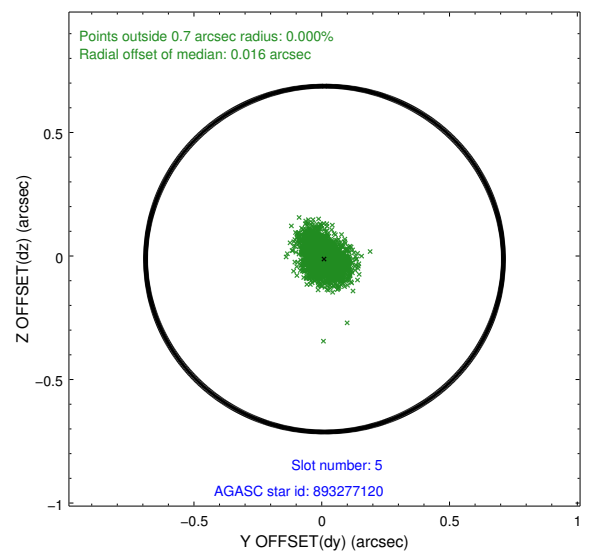
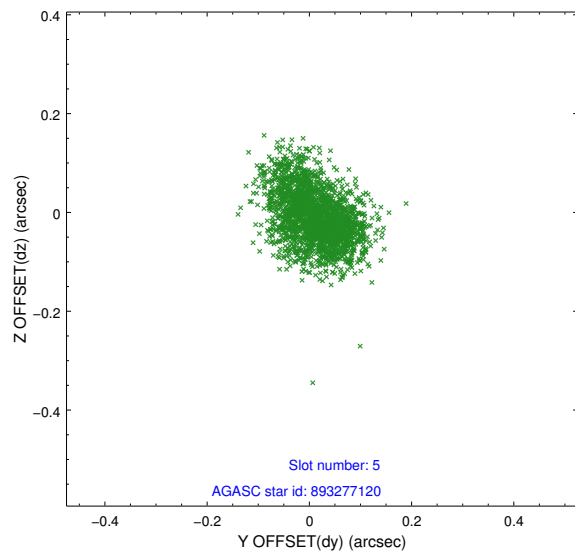
2.4.1 Slot 3



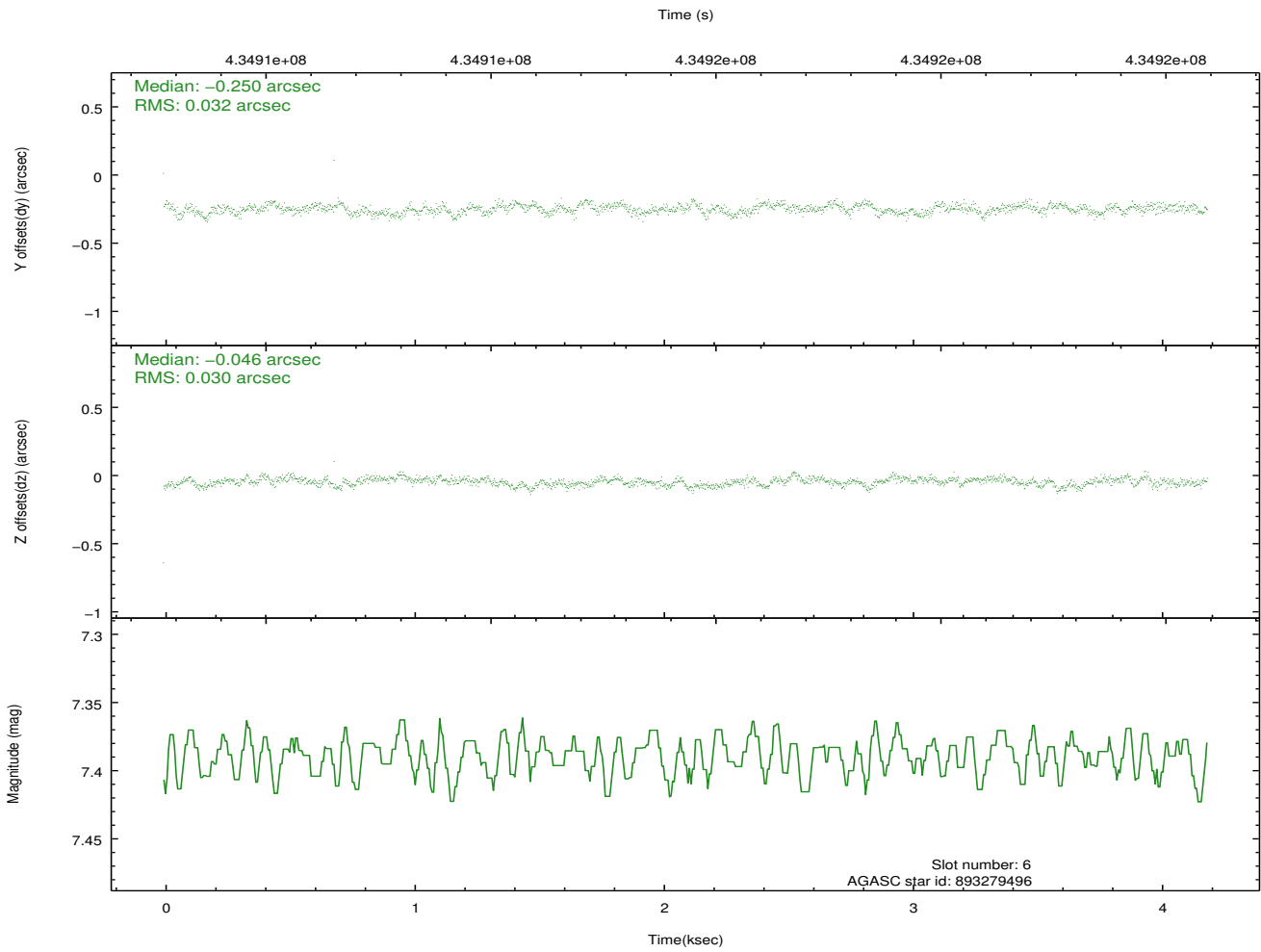
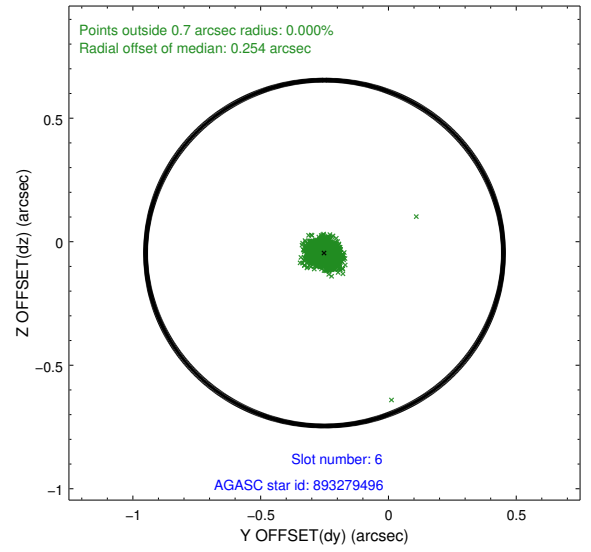
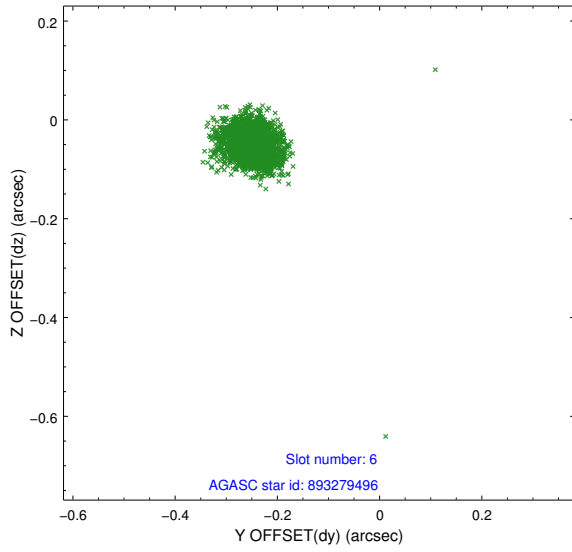
2.4.2 Slot 4



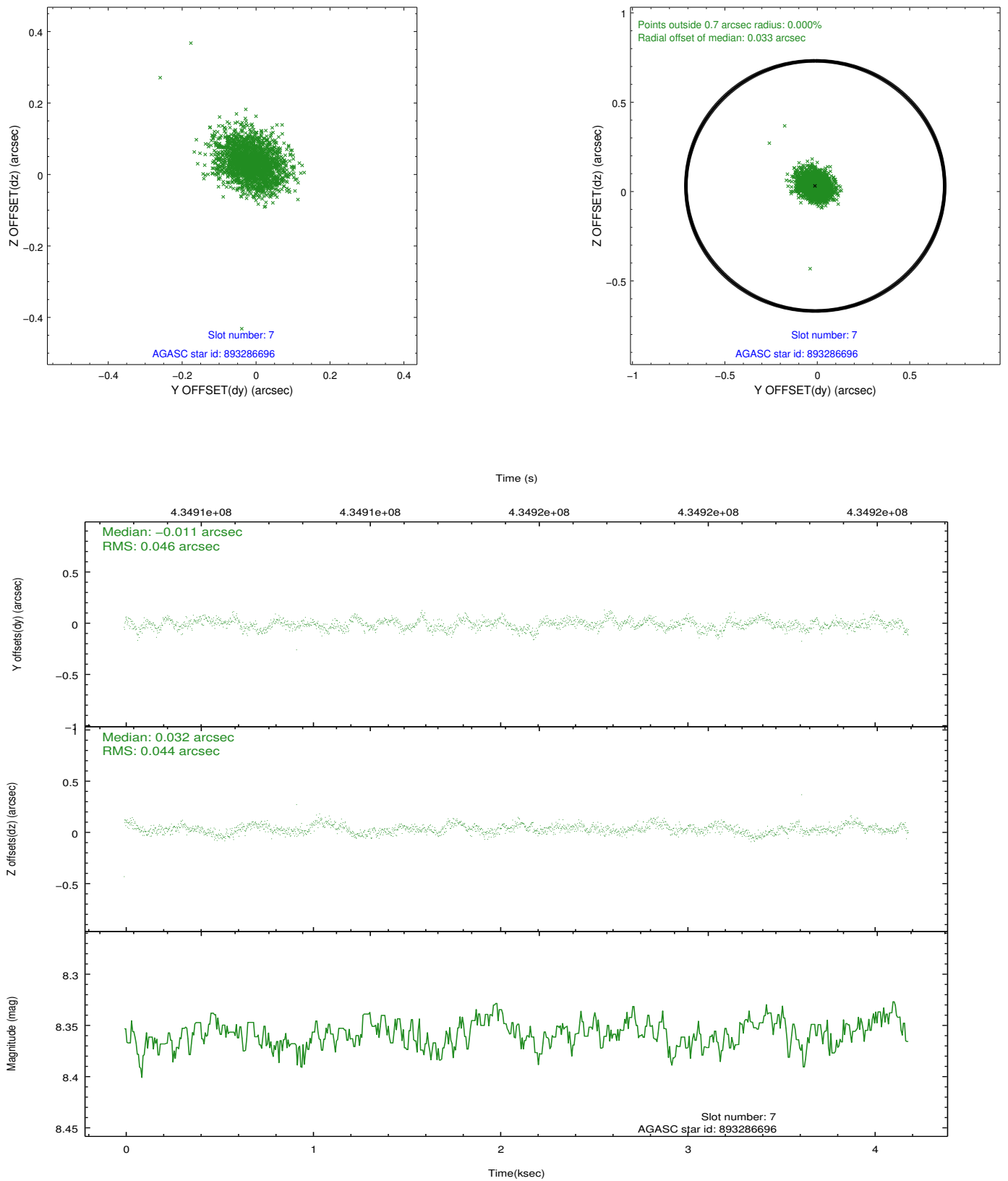
2.4.3 Slot 5



2.4.4 Slot 6

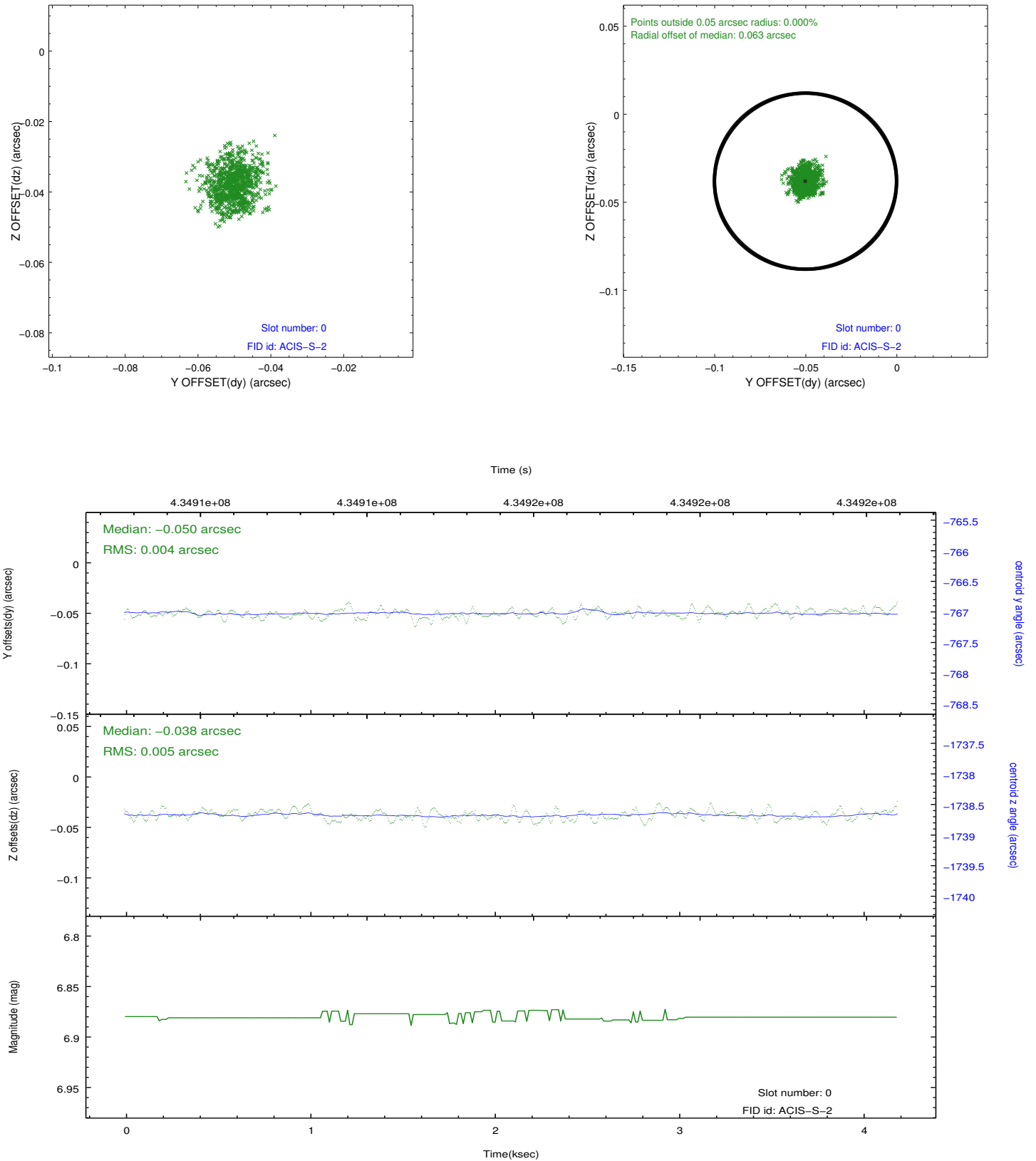


2.4.5 Slot 7

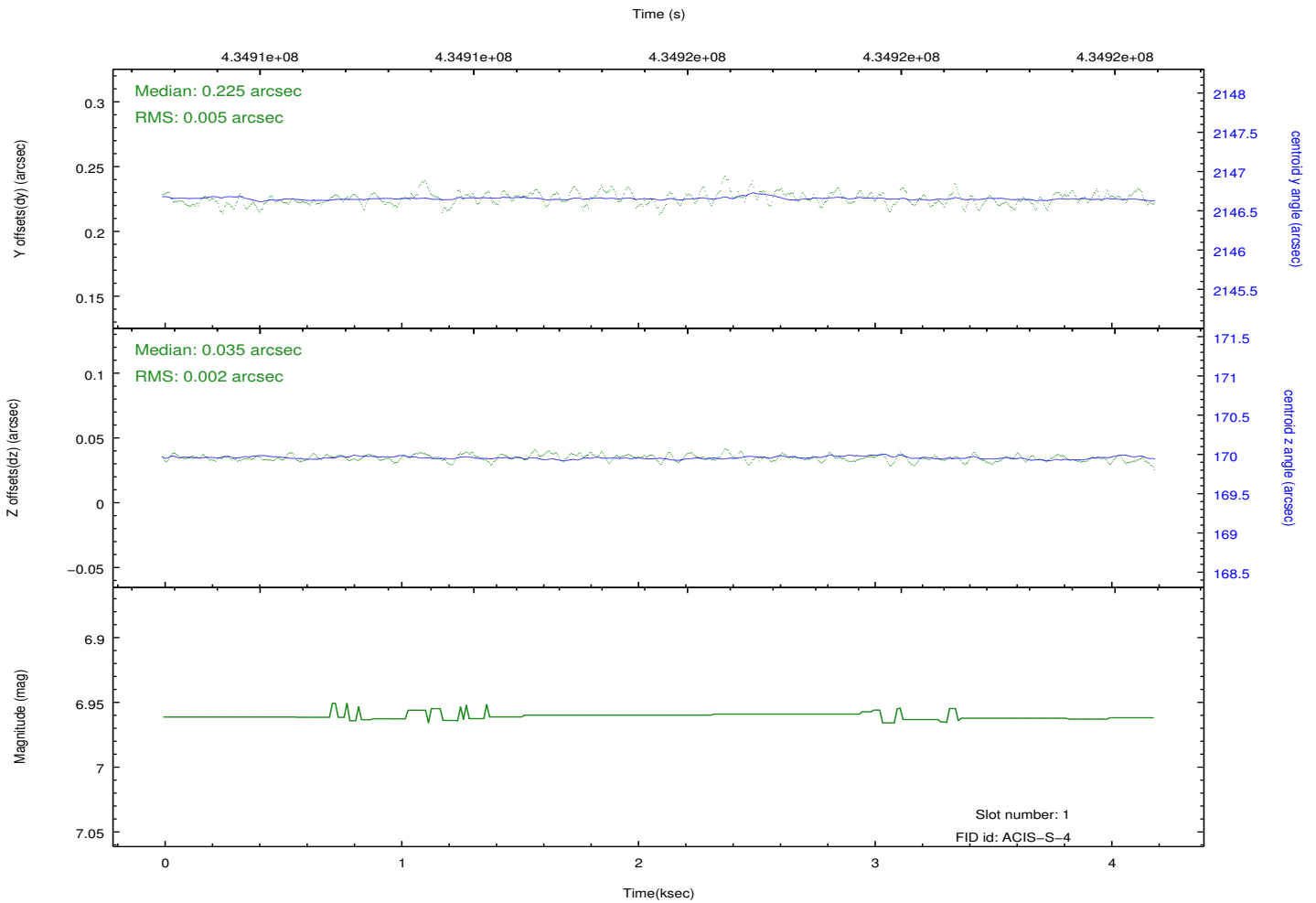
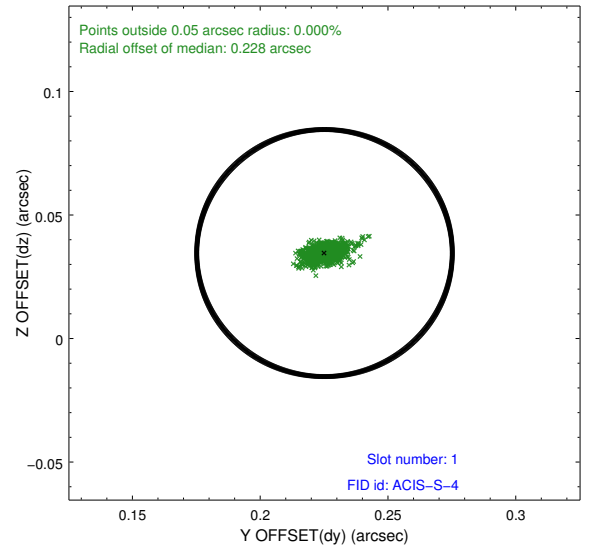
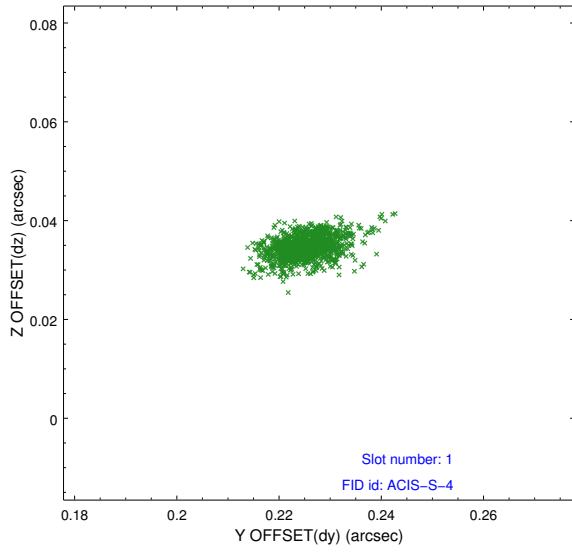


2.5 FID Slots

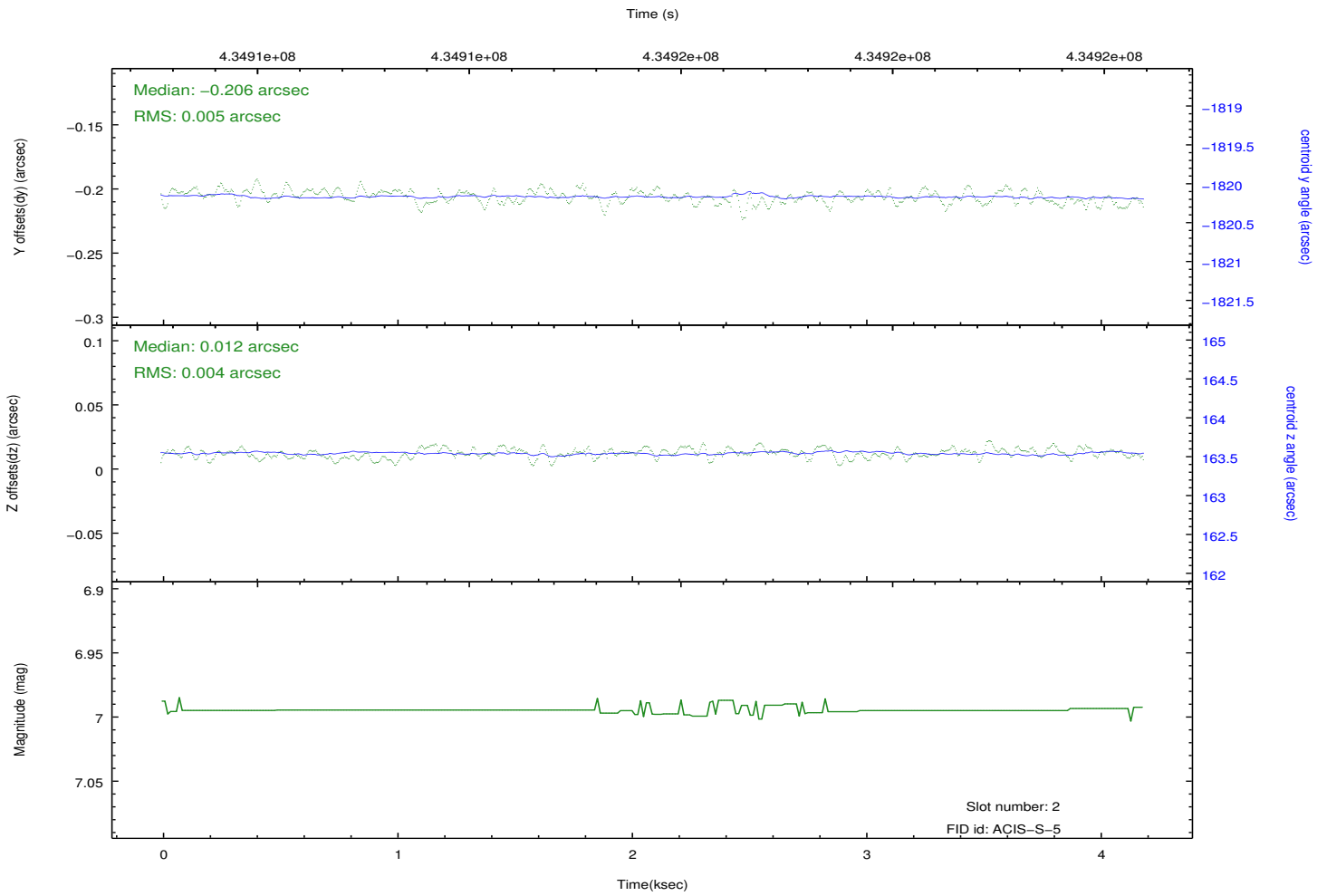
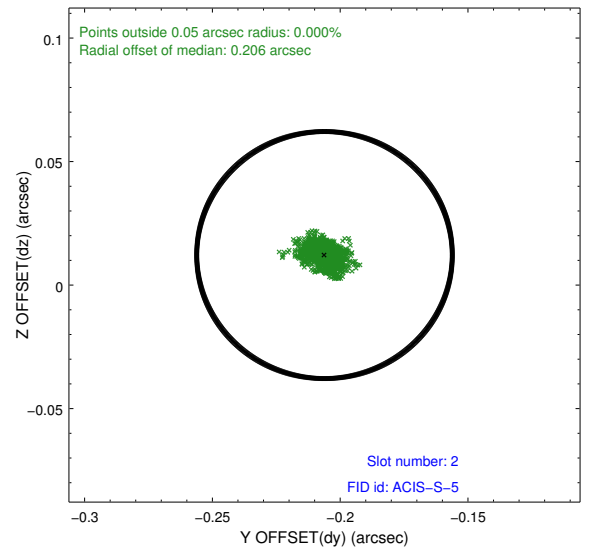
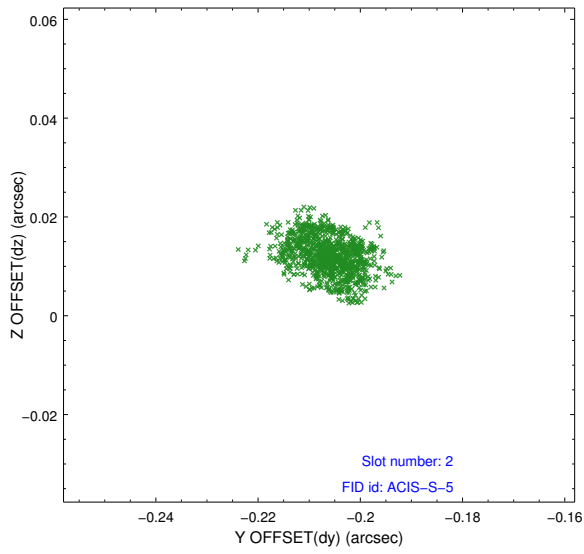
2.5.1 Slot 0



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)	2012.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.8530686251521

A.2 Comments