

V&V Reference Report

L2 ASCDS Version : 10.2.2

Observation 16074 - L2 Version 2
Chandra X-Ray Center

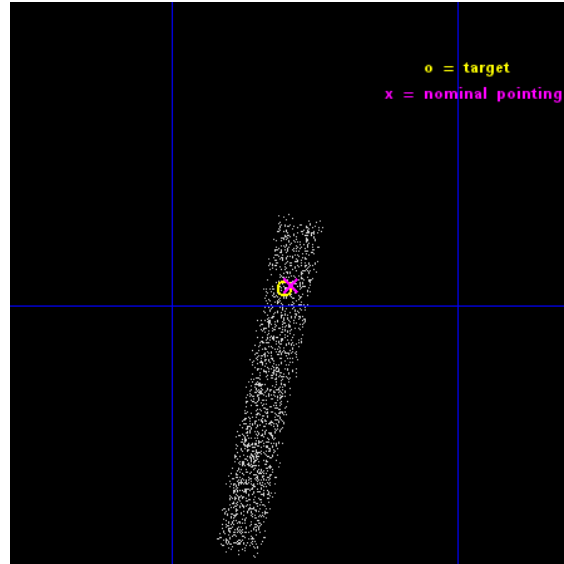
L2 Processing Date : Dec 12 2014

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

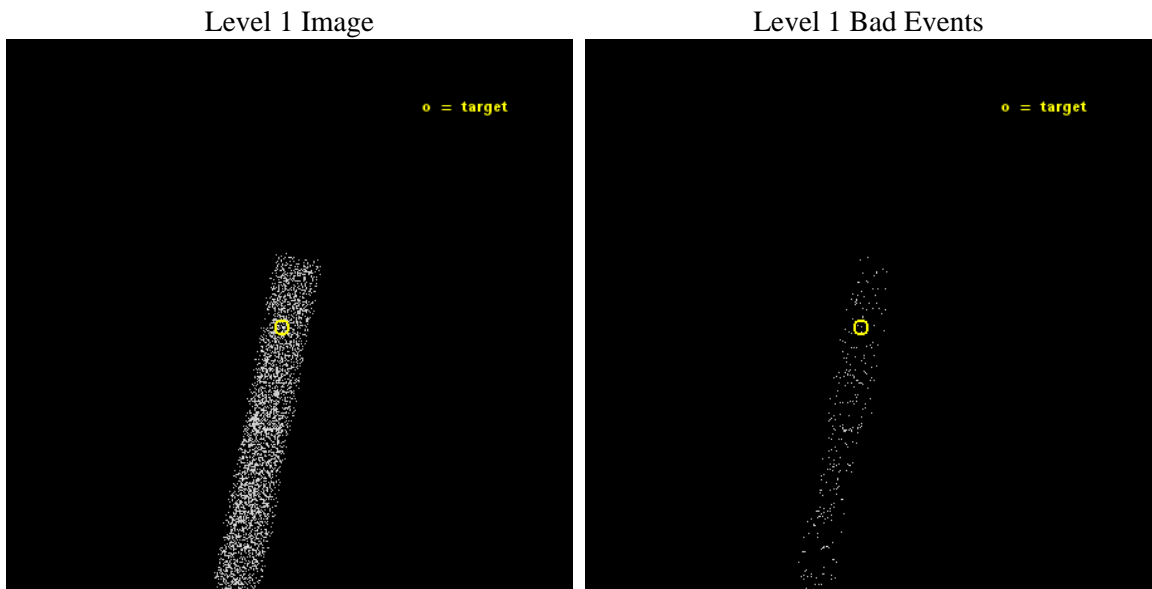
seq_num	702967	Sequence number
obs_id	16074	Observation id
title	PRE-SELECTING DUAL AGN CANDIDATES USING WISE: A CHANDRA PILOT STUDY	
observer	Dr. Shobita Satyapal	Principal investigator
object	SDSSJ0122+0100	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	20.575417	Observer's specified target RA [deg]
dec_targ	1.007194	Observer's specified target Dec [deg]
ra_nom	20.572543124124	Nominal RA [deg]
dec_nom	1.0083387649955	Nominal Dec [deg]
roll_nom	101.15661018846	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5067.9996979237	Sum of GTIs [s]
livetime	4596.4082150587	Livetime [s]
ontime7	5067.9996979237	Sum of GTIs [s]
l2events	1968	Number of level 2 events



2 OBI

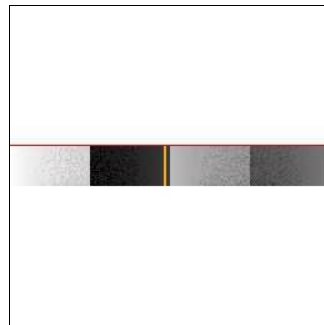
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.1	Processing system revision	ontime	5067.9996979237	Sum of GTIs [s]
caldsver	4.6.4	 	ontime7	5067.9996979237	Sum of GTIs [s]
date	2014-12-12T06:31:20	Date and time of file creation	l1events	4224	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

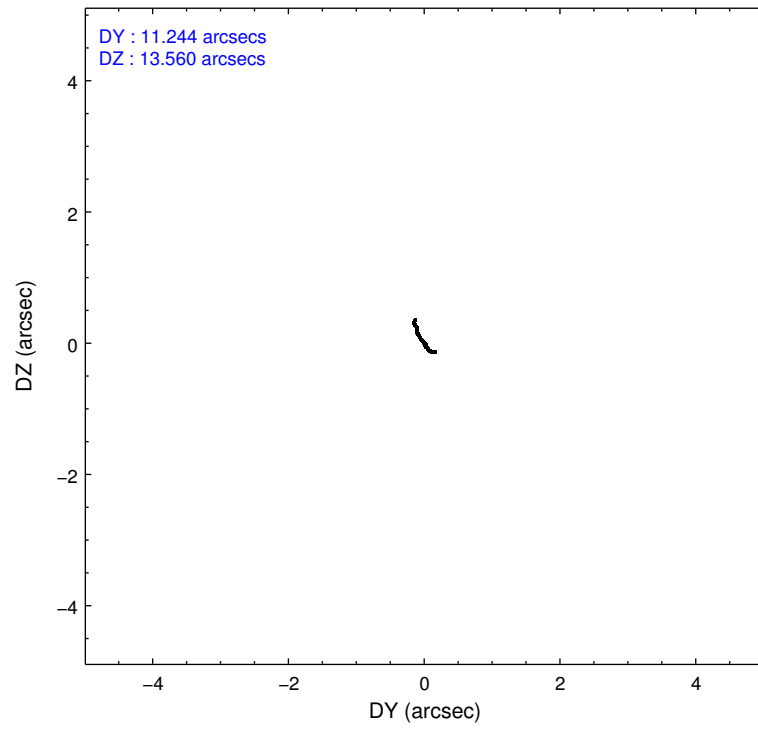
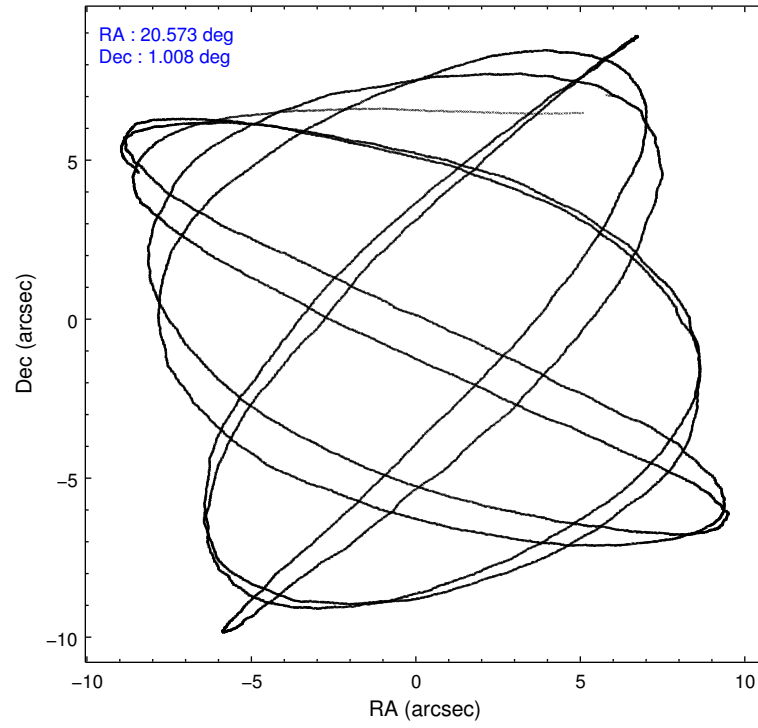
	ccd 7
level 1 events	4224
rejected events	2174
rejected %	51%

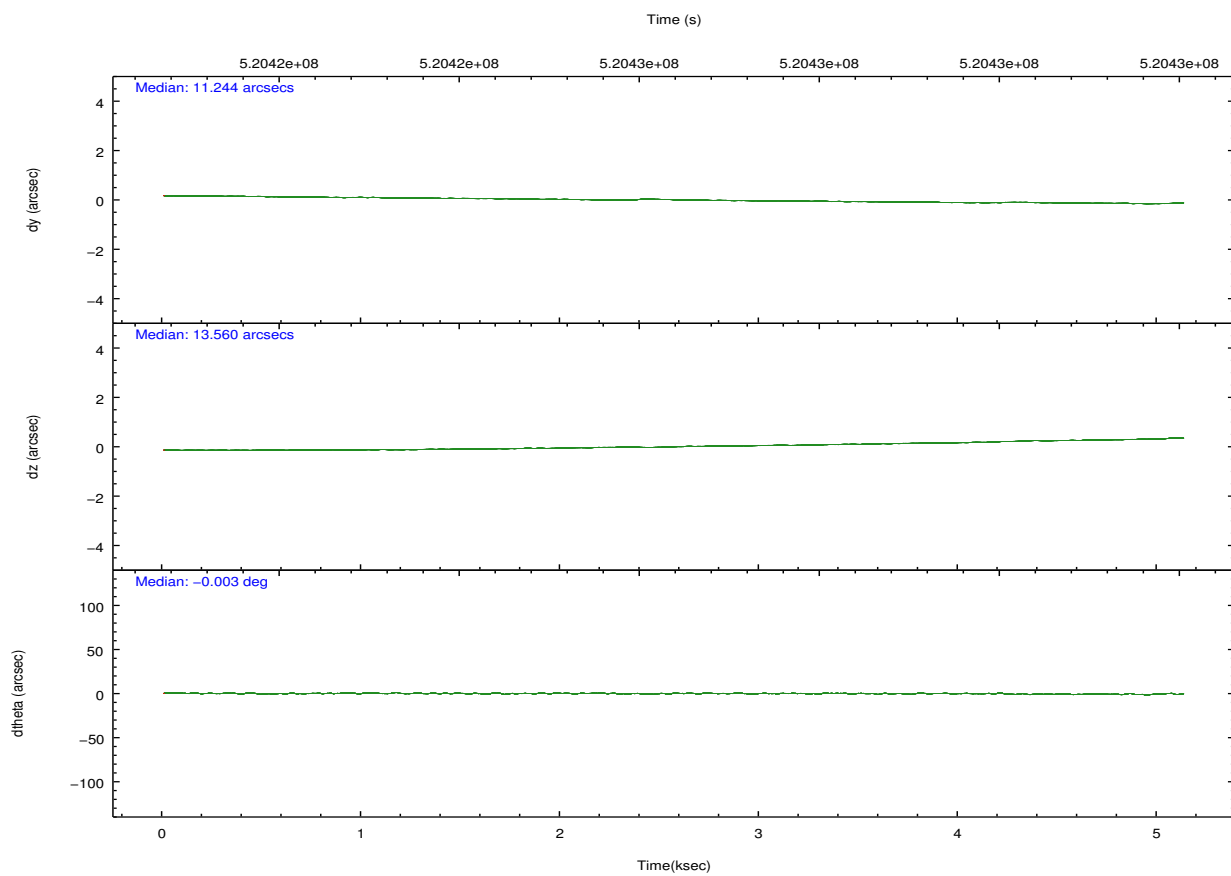
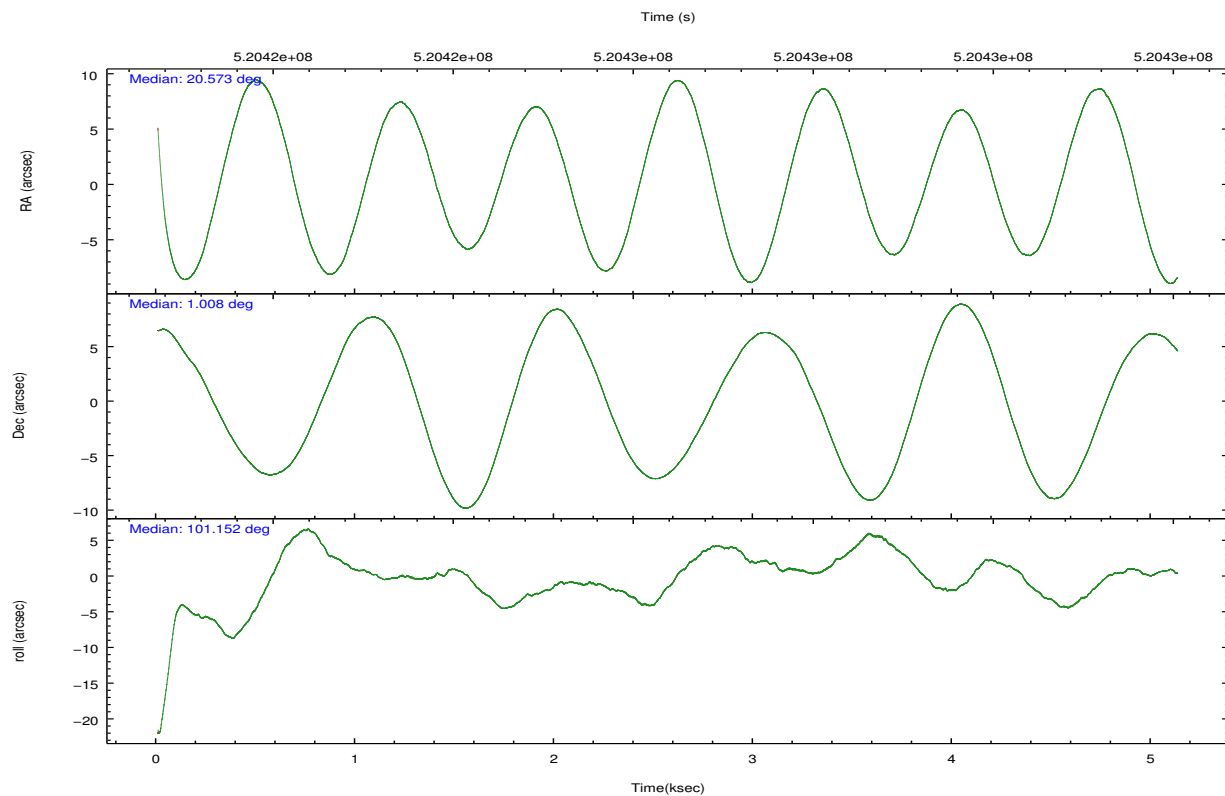
	ccd 7
grade 0 events	180
	4%
grade 1 events	5
	0%
grade 2 events	358
	8%
grade 3 events	266
	6%
grade 4 events	267
	6%
grade 5 events	439
	10%
grade 6 events	979
	23%
grade 7 events	1730
	40%

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	20.590871	20.57254312412397	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	0.987954	1.008338764995544	Subarray start row	449	449
[deg] Pointing Roll	100.999738	101.1566101884636	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)	520423756.184000	520422416.41113			
Observation start date	2014-06-29T10:08:09	2014-06-29T09:46:56			
[s] Observation end time (MET)	520428756.184000	520429599.09903			
Observation end date	2014-06-29T11:31:29	2014-06-29T11:46:39			
Read mode	TIMED	TIMED			

2.3 Aspect



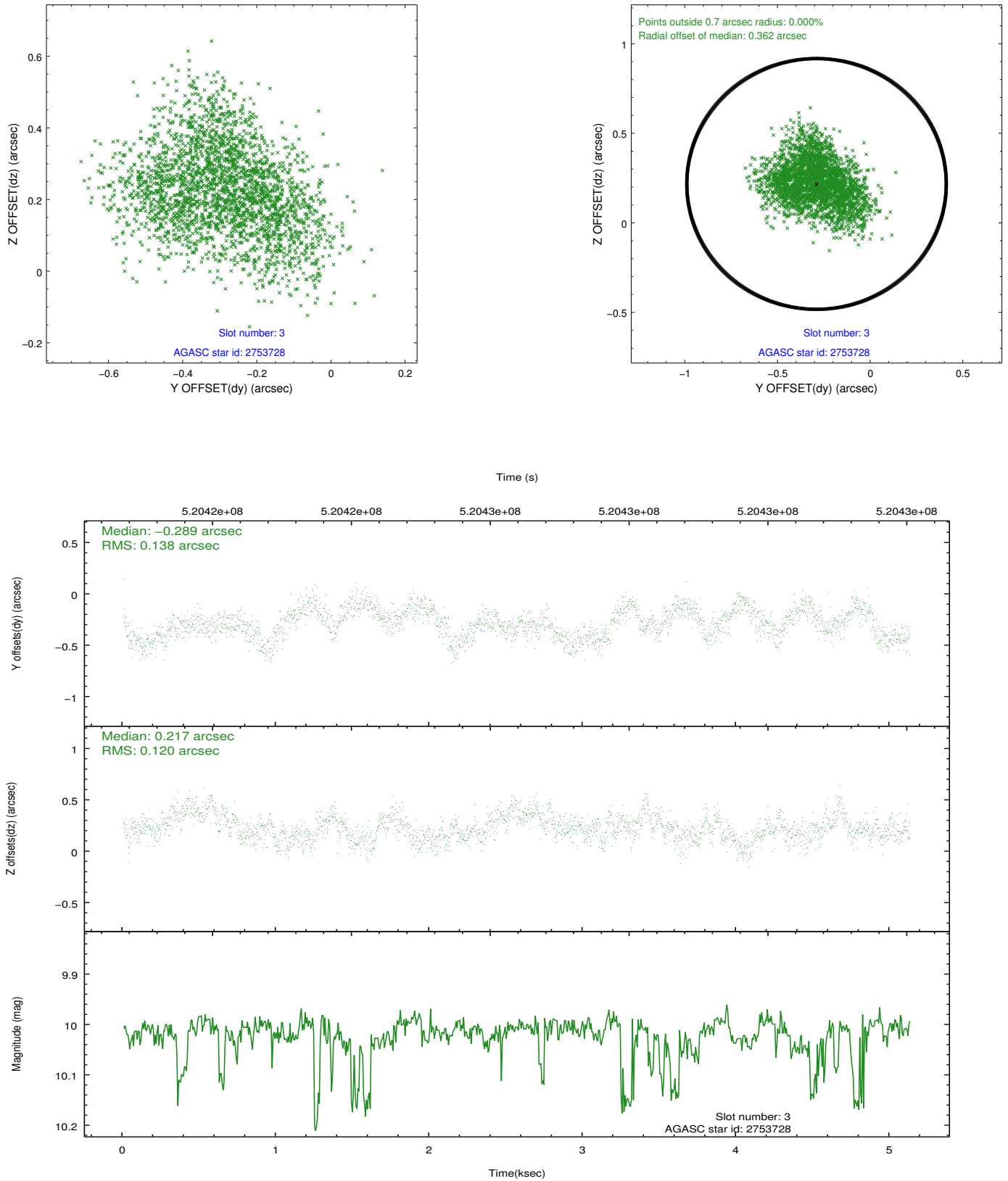


Slot Statistics

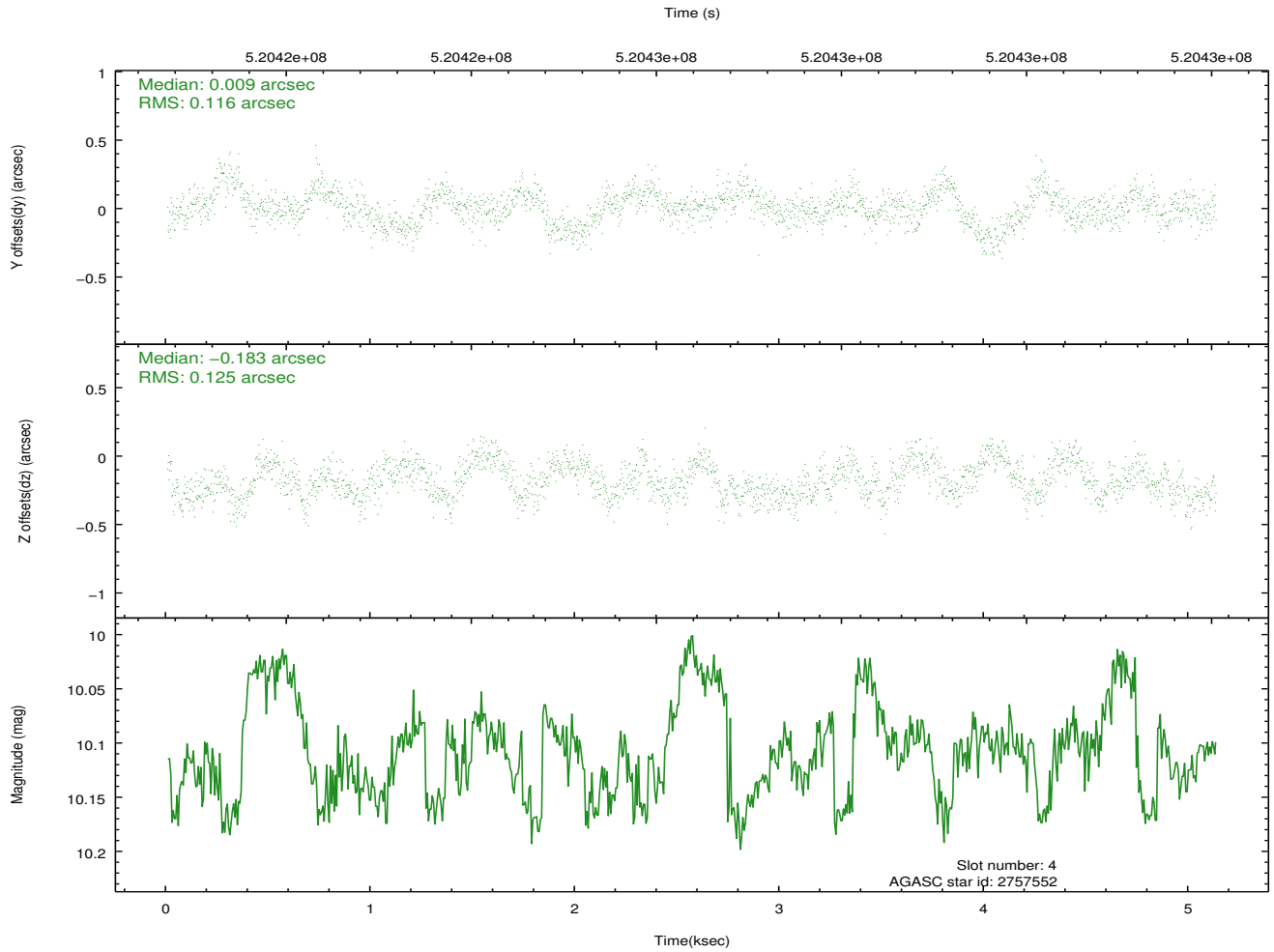
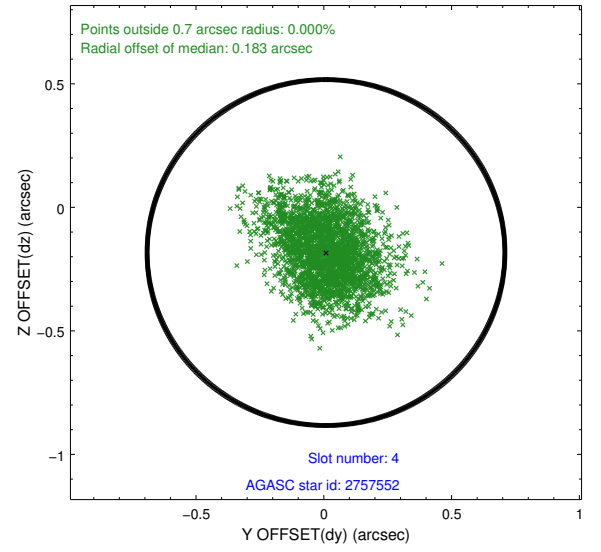
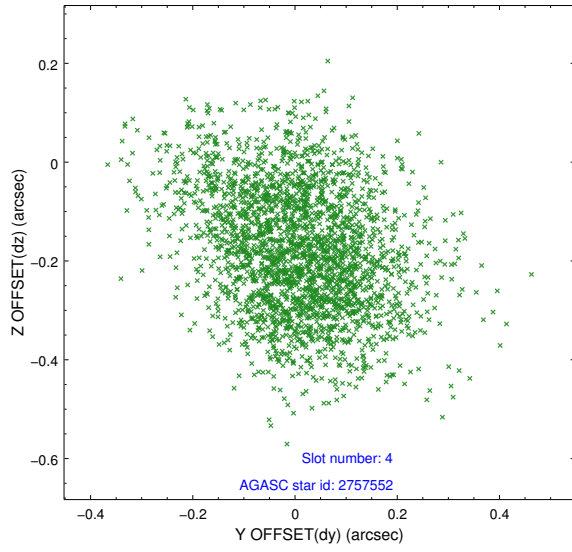
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.10	1251	-0.064	-0.062	0.008	0.013	0.000000	0.000000	-764.20	-1734.98
1	FID		ACIS-S-4	7.20	1251	0.198	0.047	0.008	0.014	0.000000	0.000000	2148.83	172.34
2	FID		ACIS-S-5	7.24	1251	-0.166	0.024	0.007	0.012	0.000000	0.000000	-1815.60	167.39
3	GUIDE	used	2753728	10.02	2502	-0.289	0.217	0.200	0.312	20.677778	1.281548	977.13	-508.74
4	GUIDE	used	2757552	10.11	2501	0.009	-0.183	0.180	0.297	20.245435	1.208846	1017.84	1068.42
5	GUIDE	used	2760896	10.05	2502	0.051	-0.312	0.170	0.273	20.094321	0.372228	-1834.51	2177.85
6	GUIDE	used	2761832	9.70	2500	0.214	-0.056	0.135	0.228	20.511310	0.623058	-1236.01	531.77
7	GUIDE	used	2762808	8.31	2498	0.040	0.316	0.085	0.135	20.709564	0.712052	-1060.06	-227.05

2.4 Star Slots

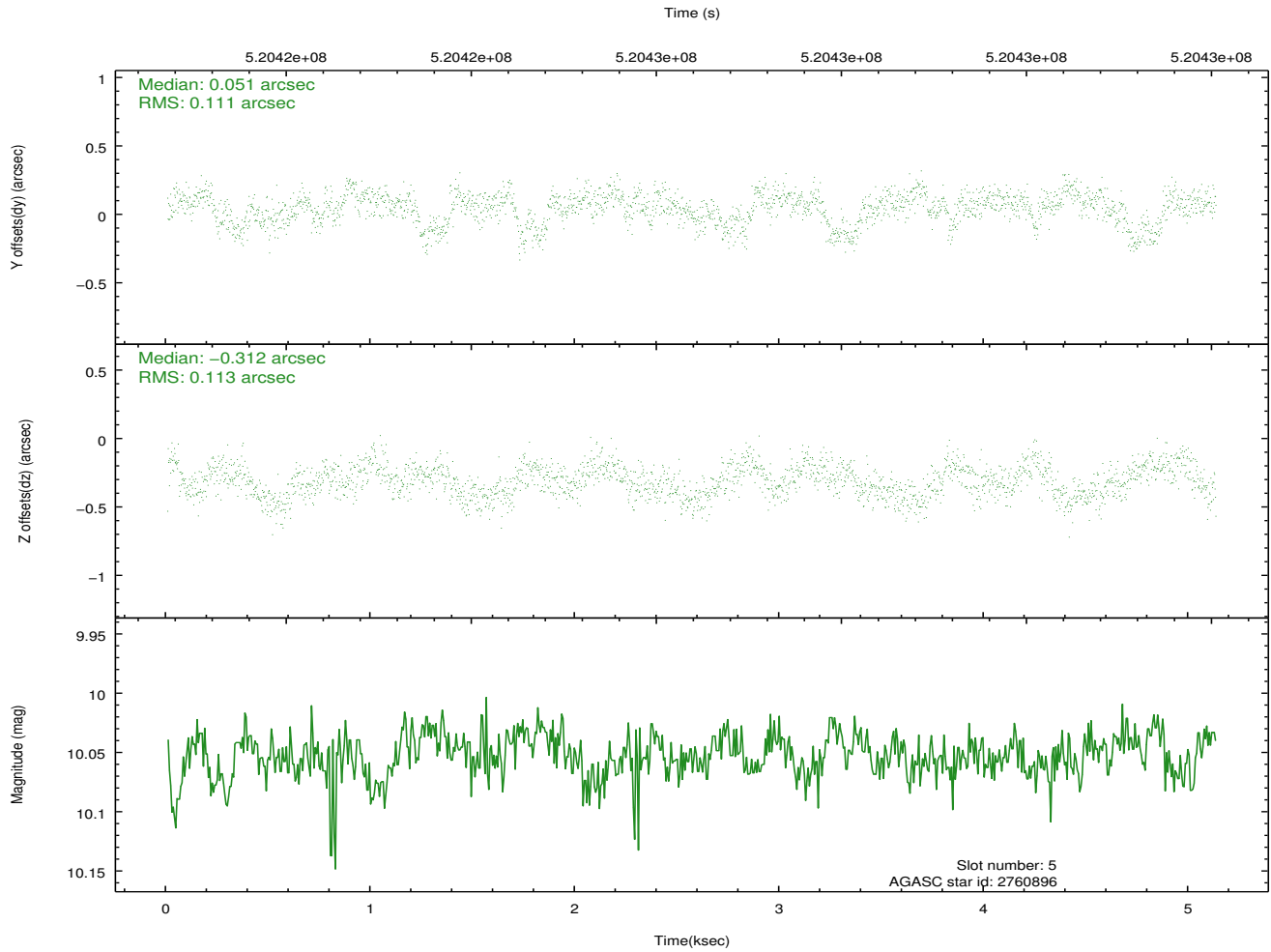
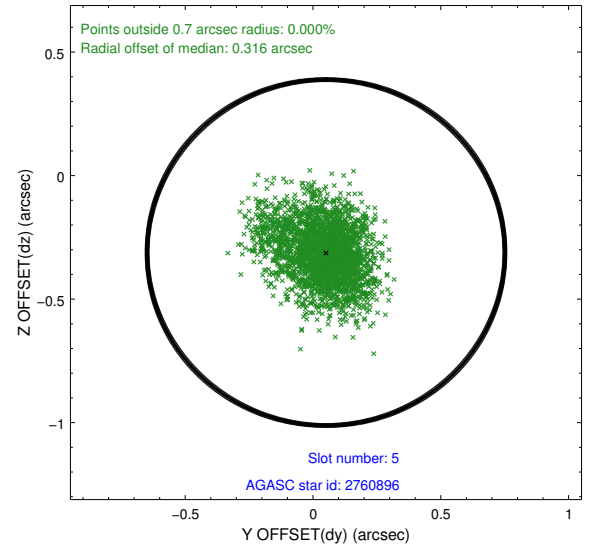
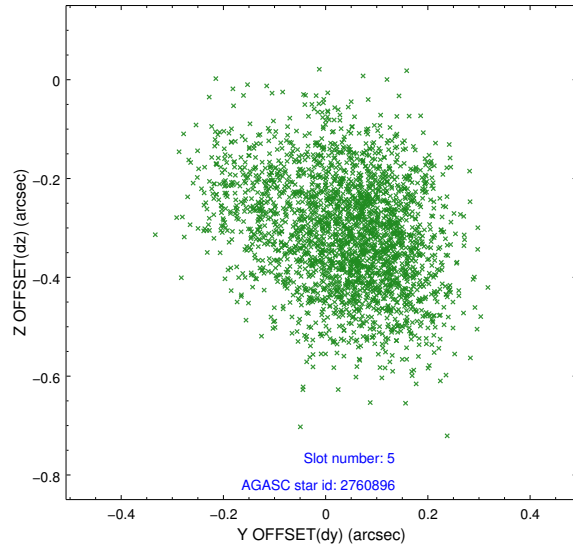
2.4.1 Slot 3



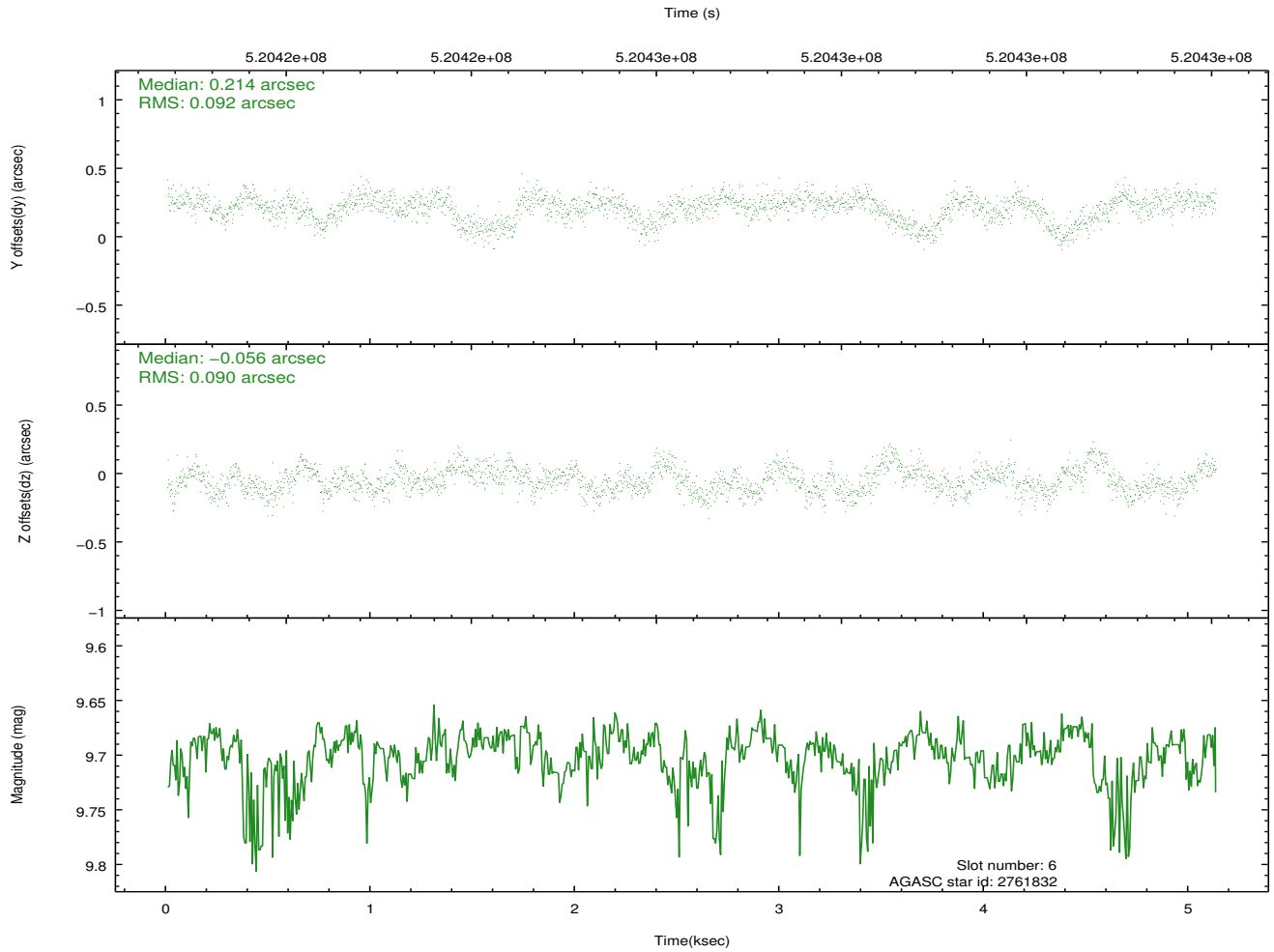
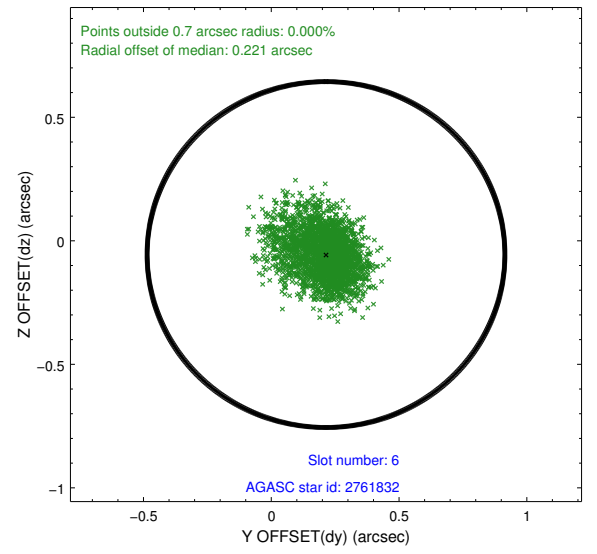
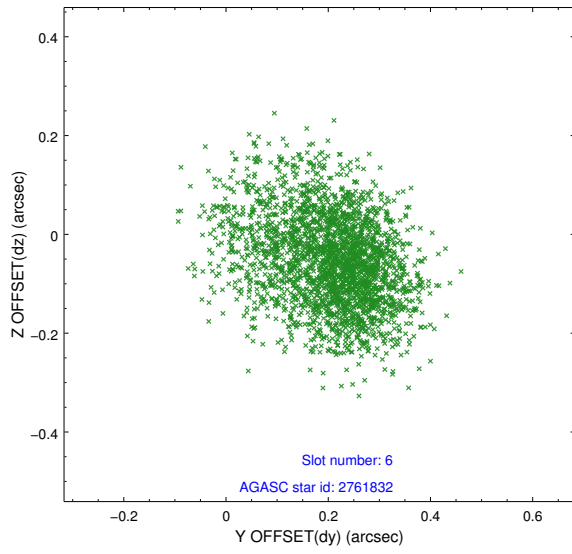
2.4.2 Slot 4



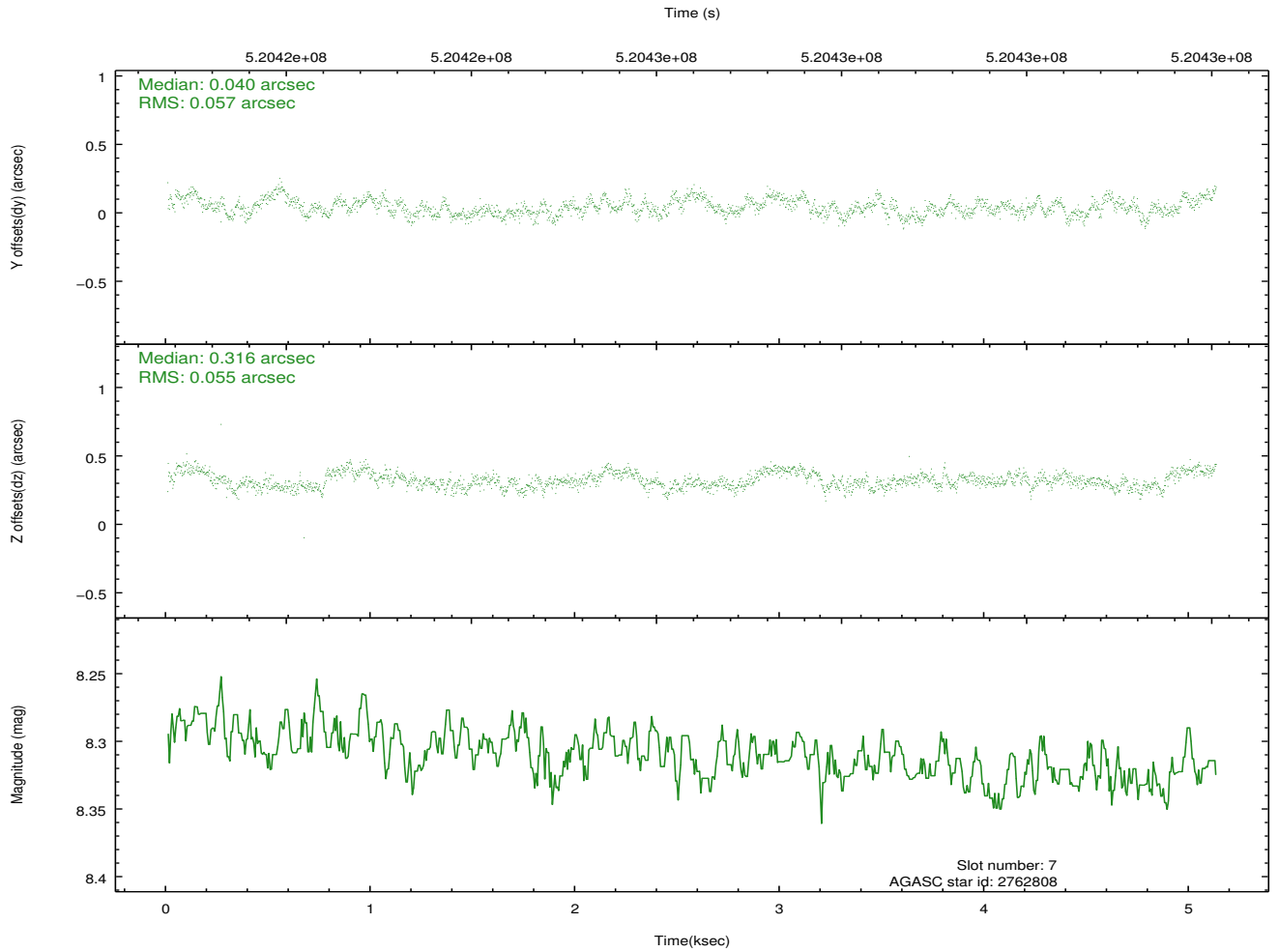
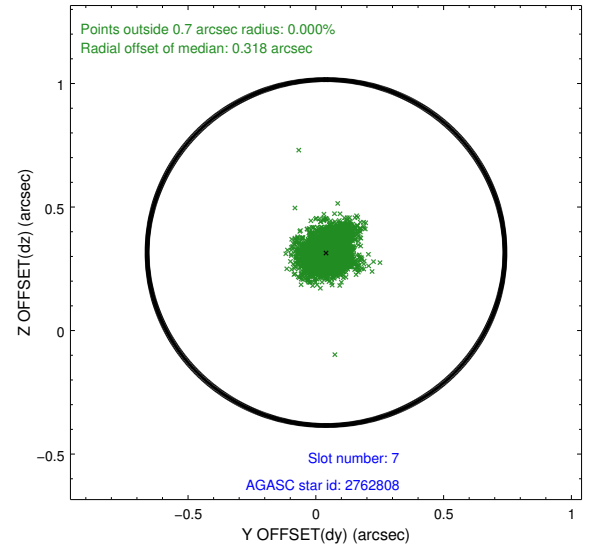
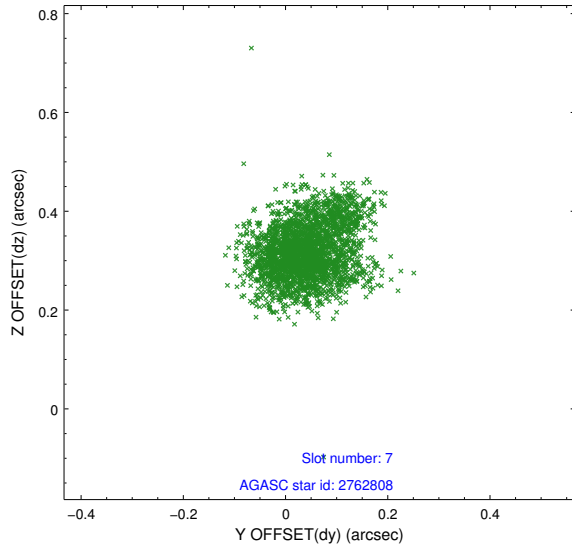
2.4.3 Slot 5



2.4.4 Slot 6

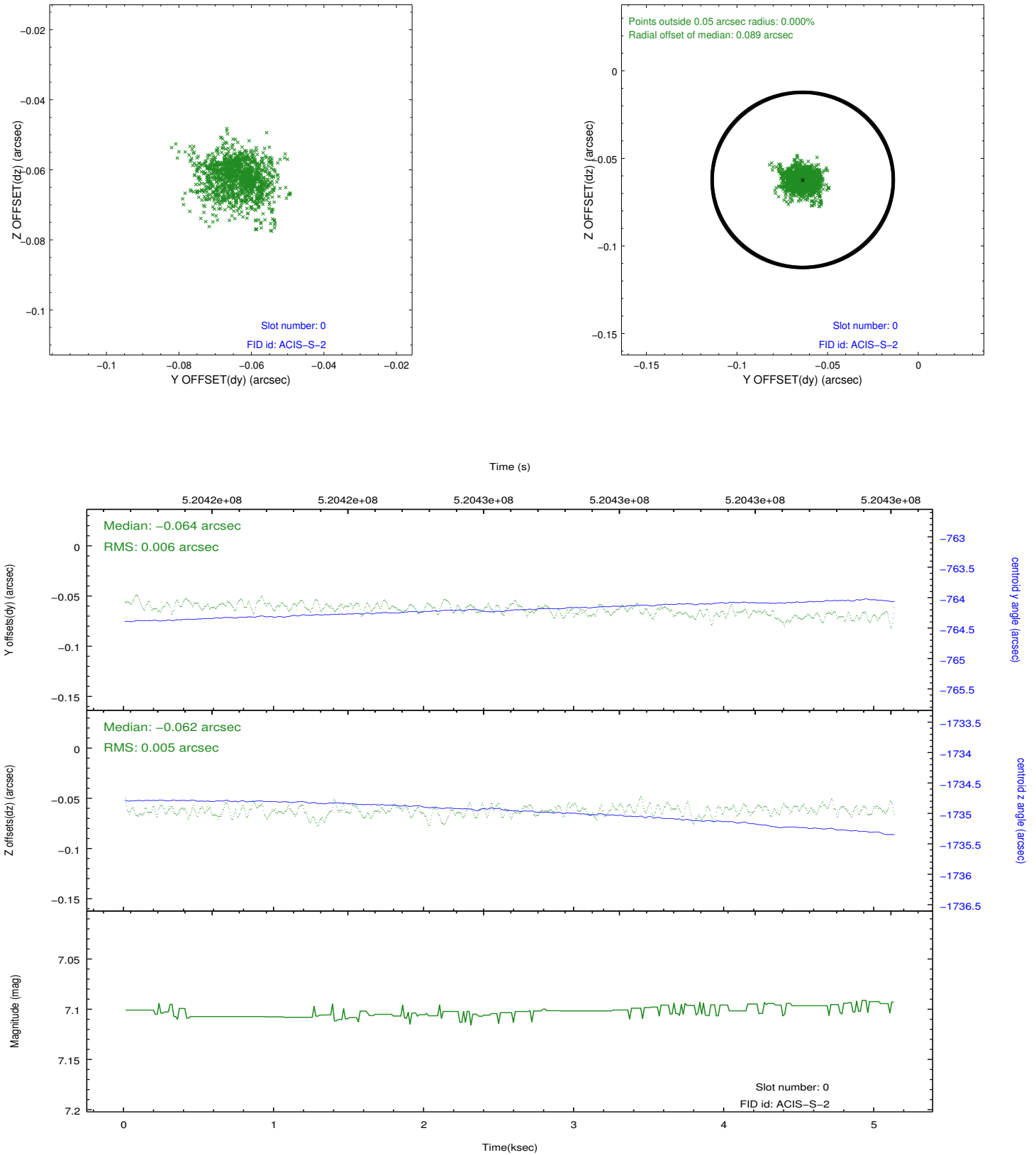


2.4.5 Slot 7

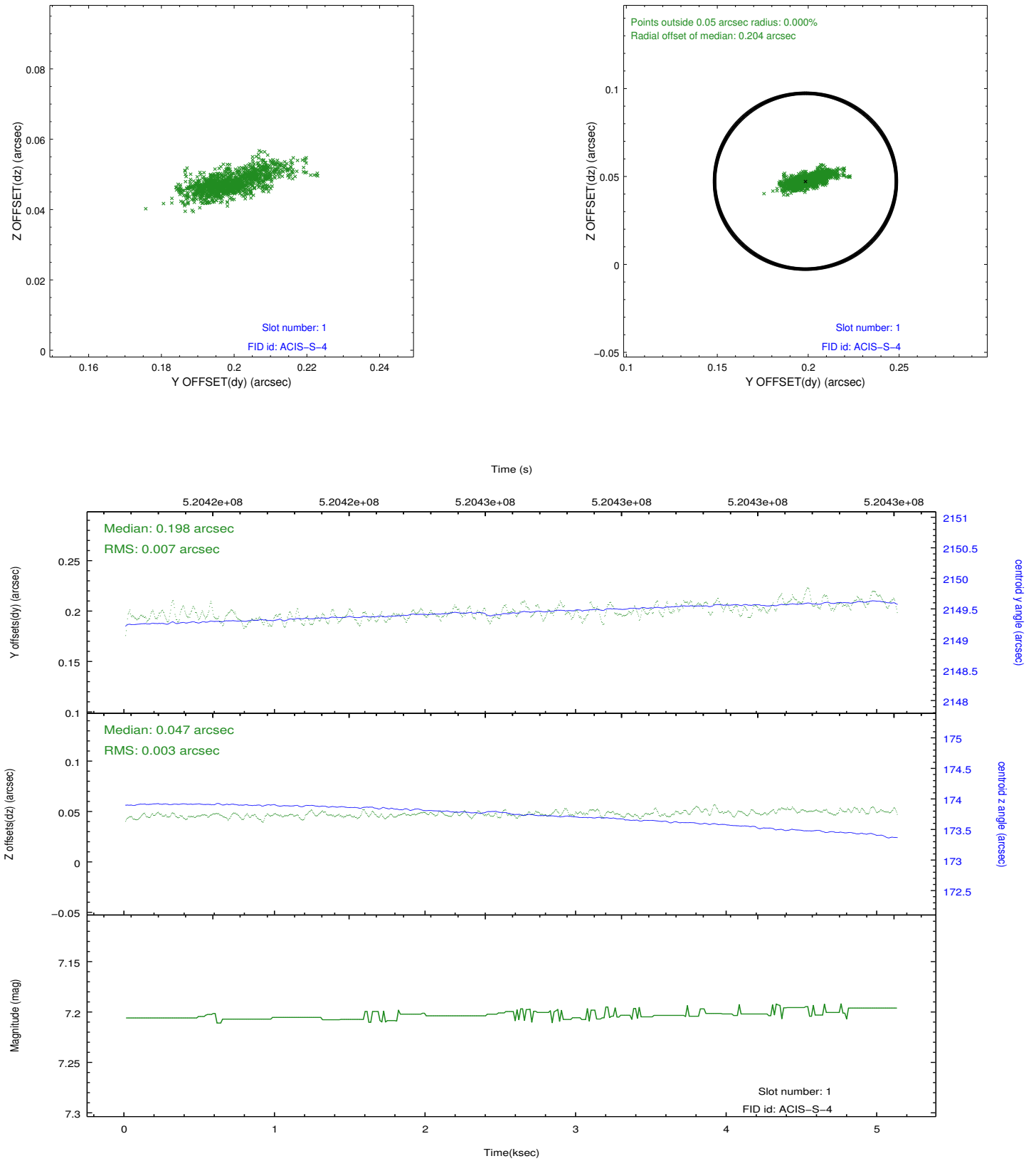


2.5 FID Slots

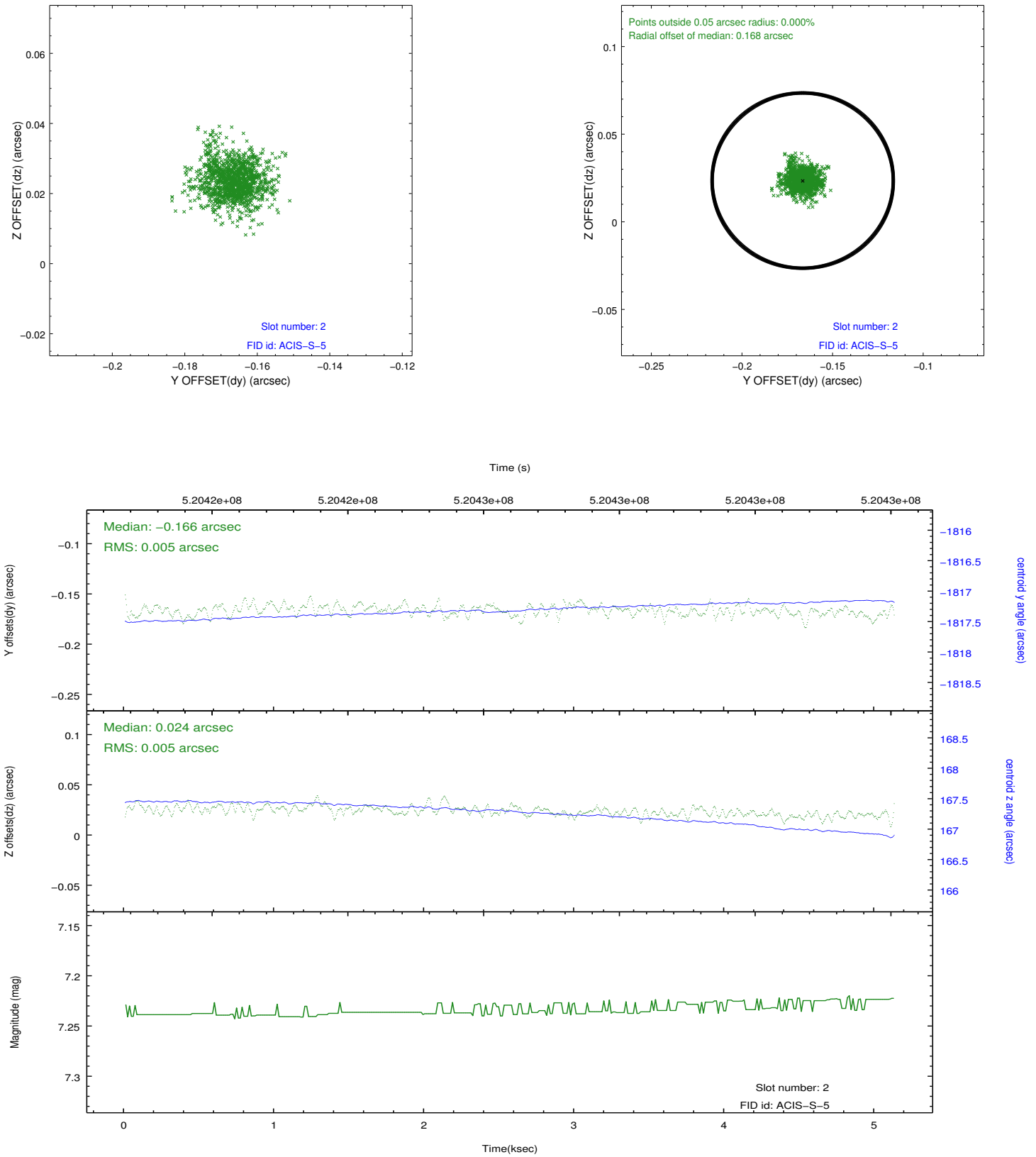
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.12.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0679996979237

A.2 Comments

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.