

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 15624 - L2 Version 2
Chandra X-Ray Center

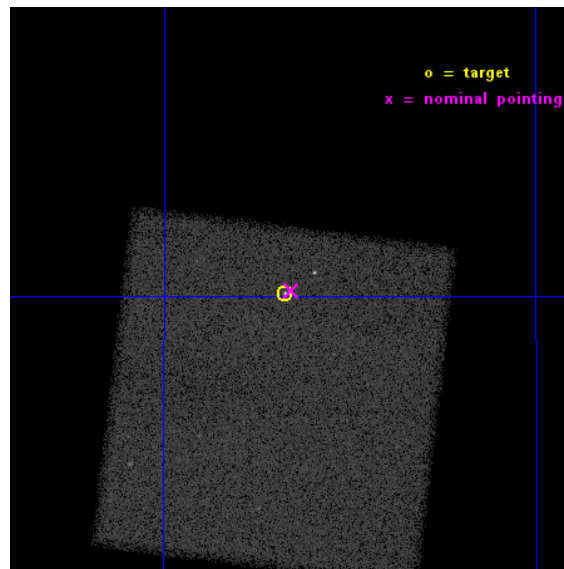
L2 Processing Date : Dec 2 2014

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1 Front

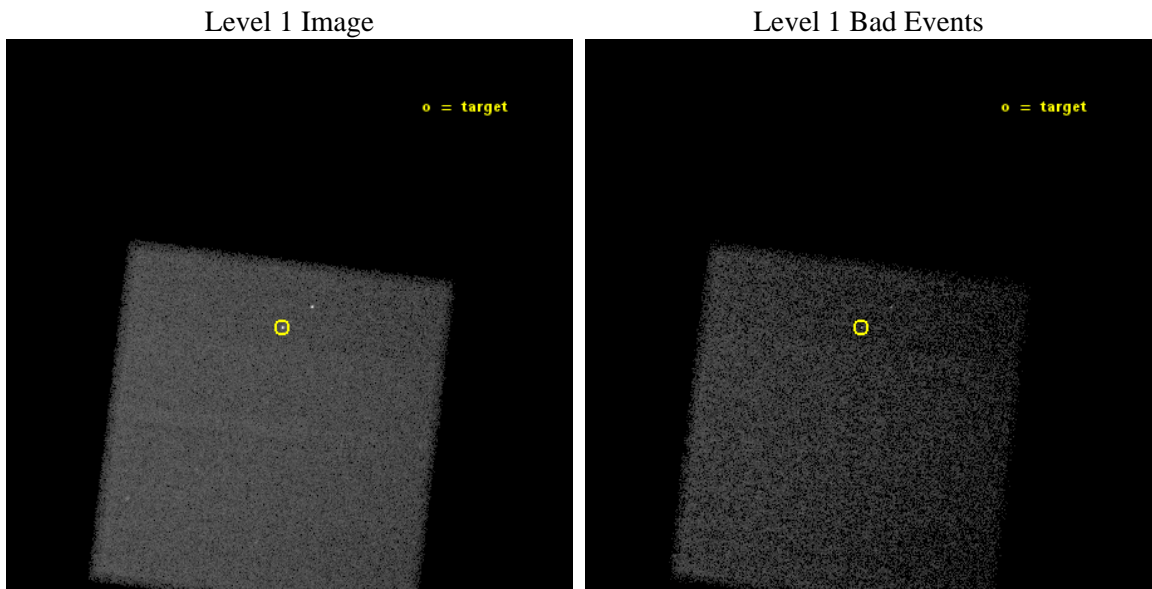
seq_num	200911	Sequence number
obs_id	15624	Observation id
title	Re-Opening Windows on Magnetic Activity from a Flaring G dwarf in the Kepler field	Proposal title
observer	Dr. Rachel Osten	Principal investigator
object	2MASS J19094043+4930050	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.418333	Observer's specified target RA [deg]
dec_targ	49.501389	Observer's specified target Dec [deg]
ra_nom	287.41414716509	Nominal RA [deg]
dec_nom	49.502694732858	Nominal Dec [deg]
roll_nom	96.987762270301	Nominal Roll [deg]
revision	2	Processing version of data
ontime	47157.0	Sum of GTIs [s]
liveltime	46520.5982164	Livetime [s]
ontime7	47157.0	Sum of GTIs [s]
l2events	176085	Number of level 2 events



2 OBI

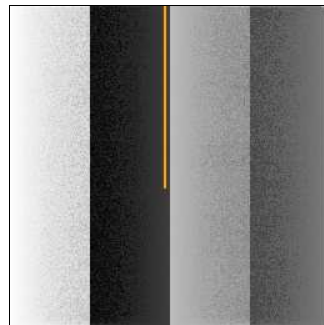
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	47135.685000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	47157.0	Sum of GTIs [s]
caldbver	4.6.4	 	ontime7	47157.0	Sum of GTIs [s]
date	2014-12-02T16:09:11	Date and time of file creation	l1events	373666	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

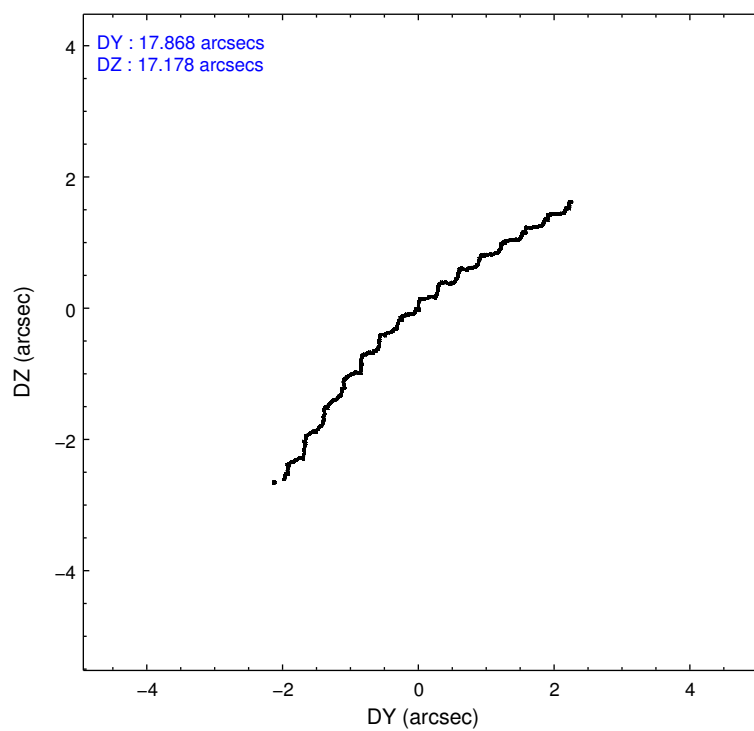
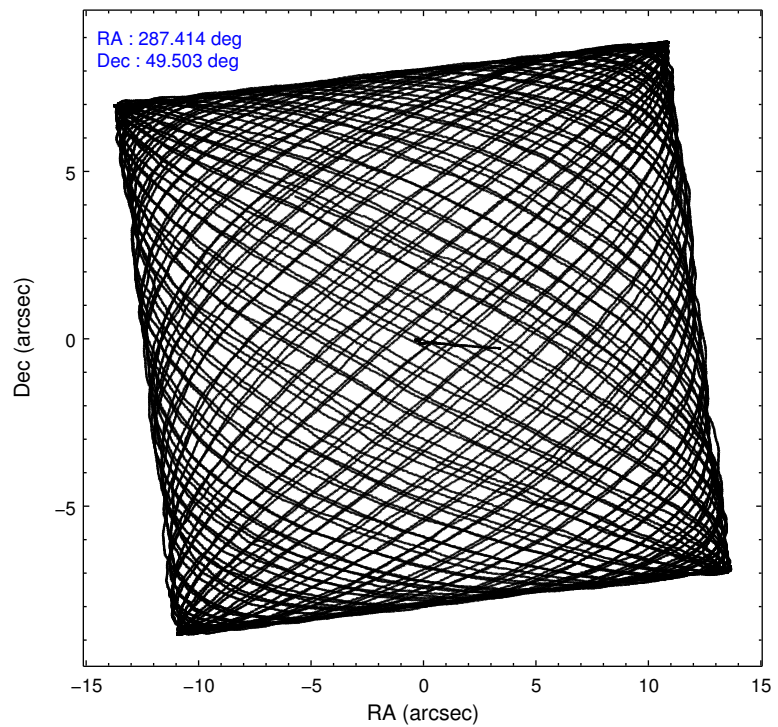
	ccd 7
level 1 events	373666
rejected events	193035
rejected %	51%

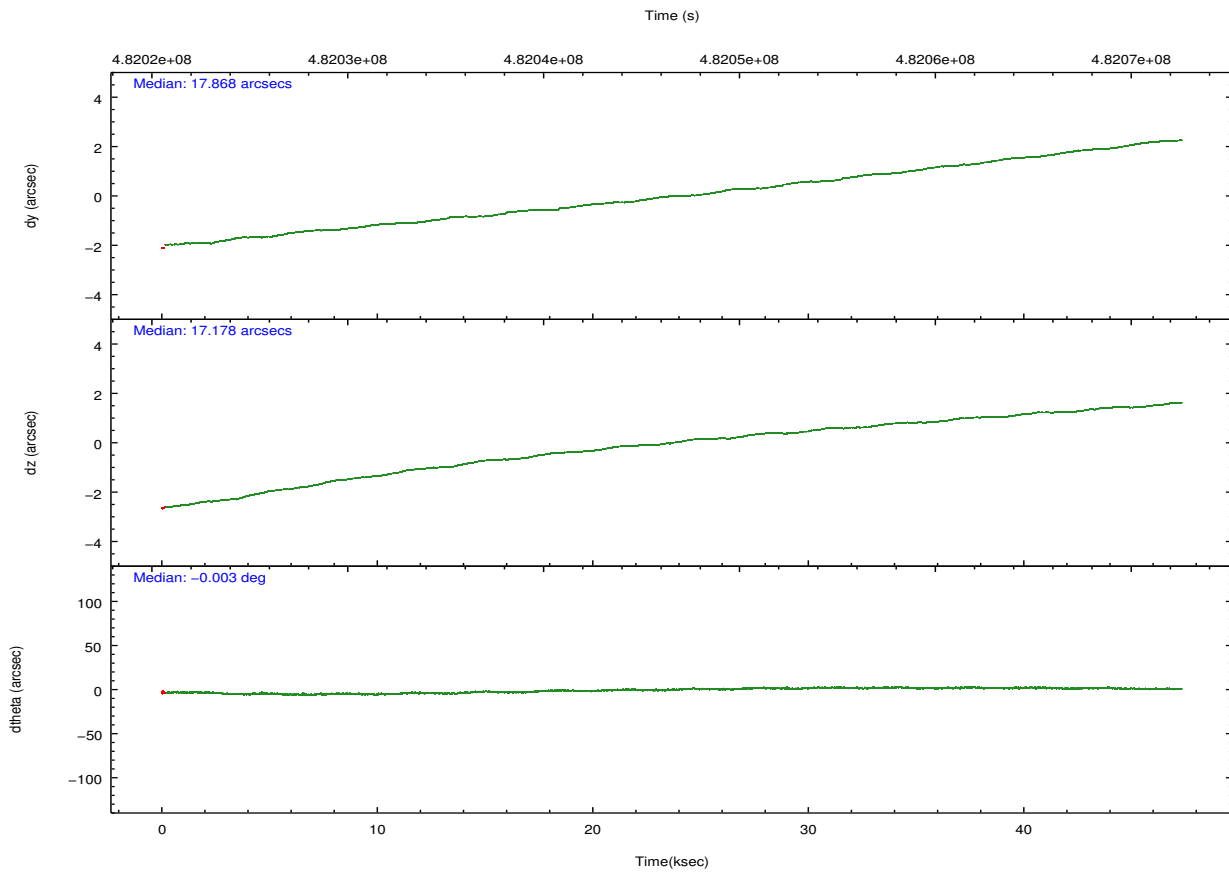
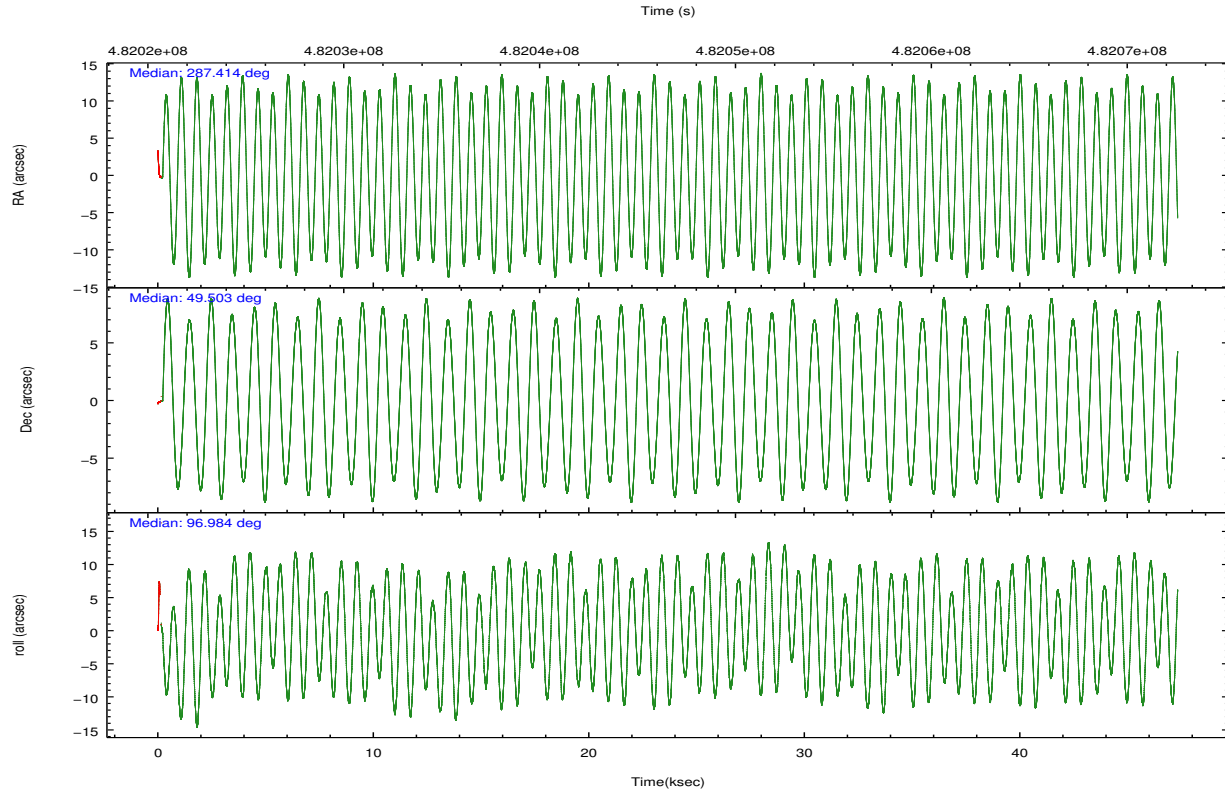
	ccd 7
grade 0 events	18883
	5%
grade 1 events	582
	0%
grade 2 events	39168
	10%
grade 3 events	16103
	4%
grade 4 events	15803
	4%
grade 5 events	36076
	9%
grade 6 events	90912
	24%
grade 7 events	156139
	41%

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	287.439911	287.4141471650873	Subarray requested	NONE	NONE
[deg] Pointing Dec	49.481080	49.50269473285755	Alternating exposures requested	N	N
[deg] Pointing Roll	96.811548	96.98776227030098	[s] Primary exposure time	0.000000	3
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	482023069.184000	482022140.25789			
Observation start date	2013-04-10T23:16:42	2013-04-10T23:02:20			
[s] Observation end time (MET)	482070204.184000	482070430.57301			
Observation end date	2013-04-11T12:22:17	2013-04-11T12:27:10			
Read mode	TIMED	TIMED			

2.3 Aspect





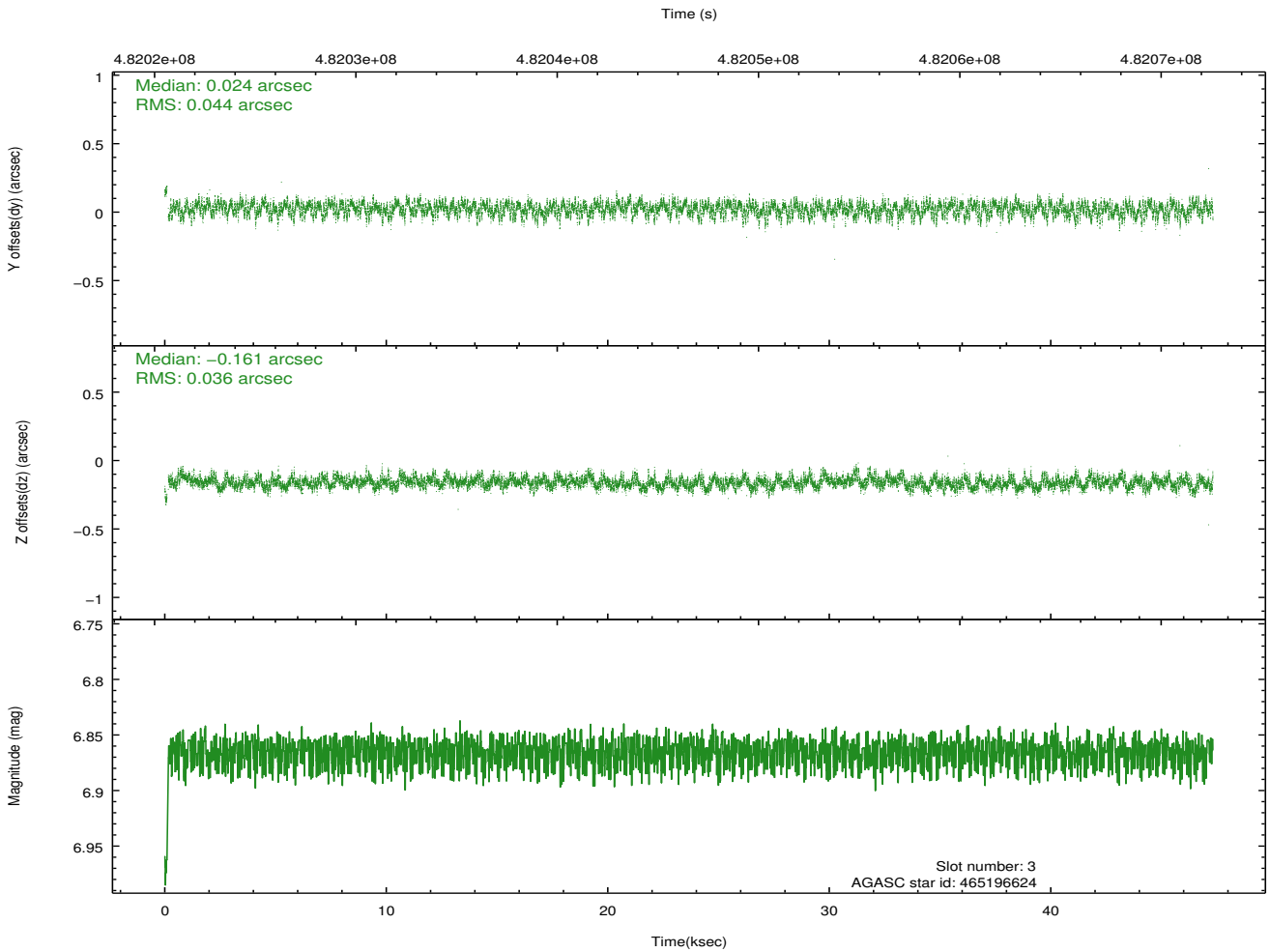
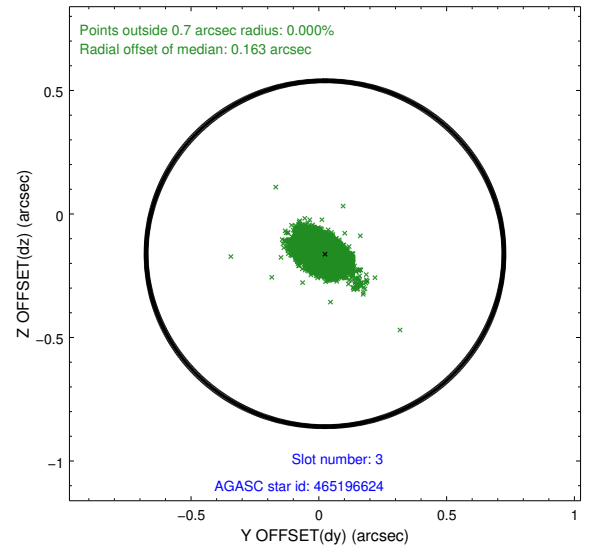
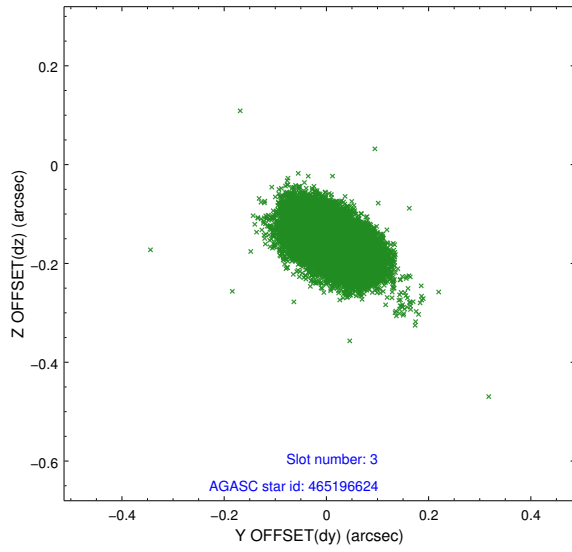
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.97	11526	-0.103	-0.033	0.030	0.039	0.000000	0.000000	-771.07	-1738.41
1	FID		ACIS-S-4	7.04	11527	0.235	0.057	0.027	0.044	0.000000	0.000000	2142.58	170.15
2	FID		ACIS-S-5	7.07	11527	-0.177	-0.011	0.036	0.063	0.000000	0.000000	-1823.97	163.77
3	GUIDE	used	465196624	6.87	23051	0.024	-0.161	0.059	0.101	286.714587	48.925487	-1774.66	1939.96
4	GUIDE	used	465313408	7.69	23044	-0.033	0.218	0.067	0.106	287.851668	49.136262	-1344.90	-815.69
5	GUIDE	used	465318232	9.20	22954	0.186	-0.032	0.117	0.195	287.785344	50.084402	2064.18	-1049.90
6	GUIDE	used	465318696	7.65	23046	-0.176	-0.027	0.086	0.140	287.489694	49.680812	700.10	-200.12
7	MONITOR	unused		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

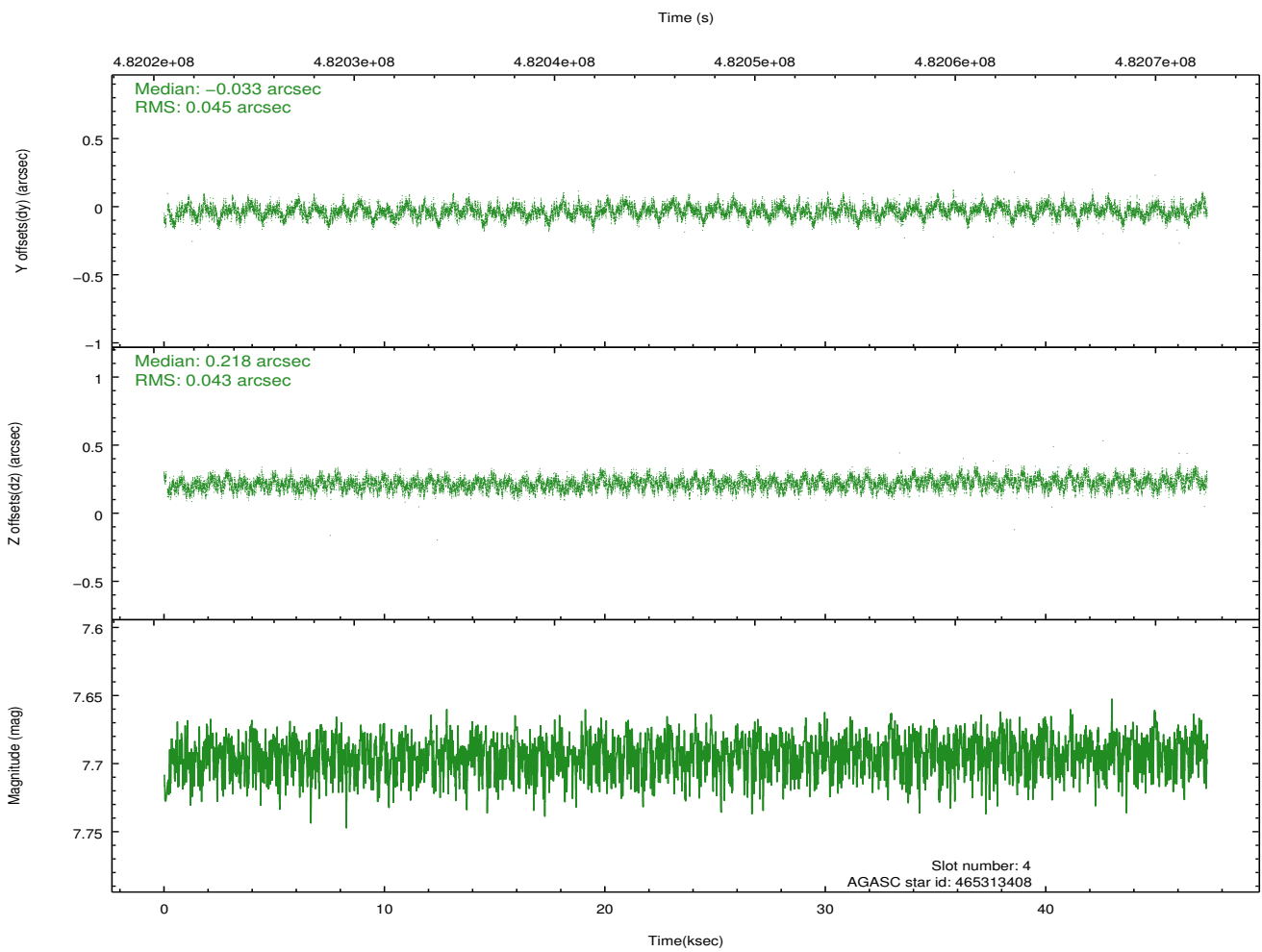
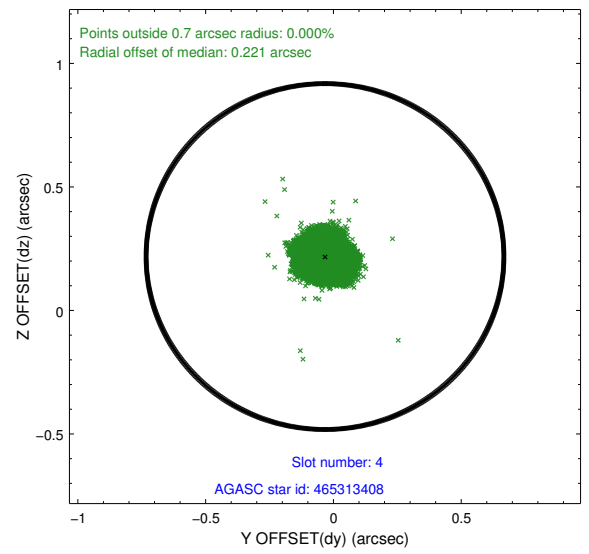
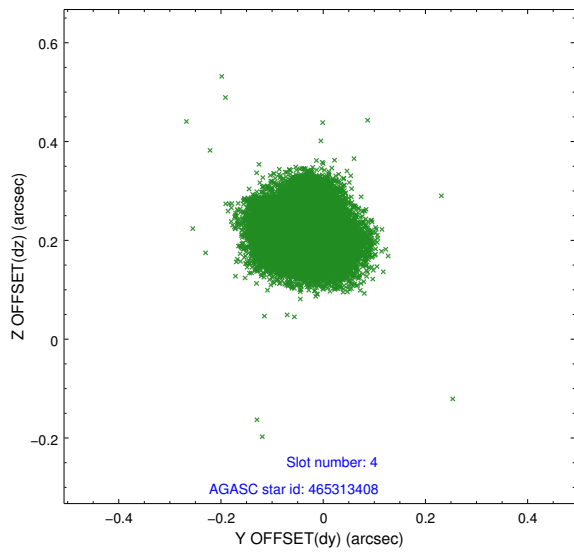
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2.4 Star Slots

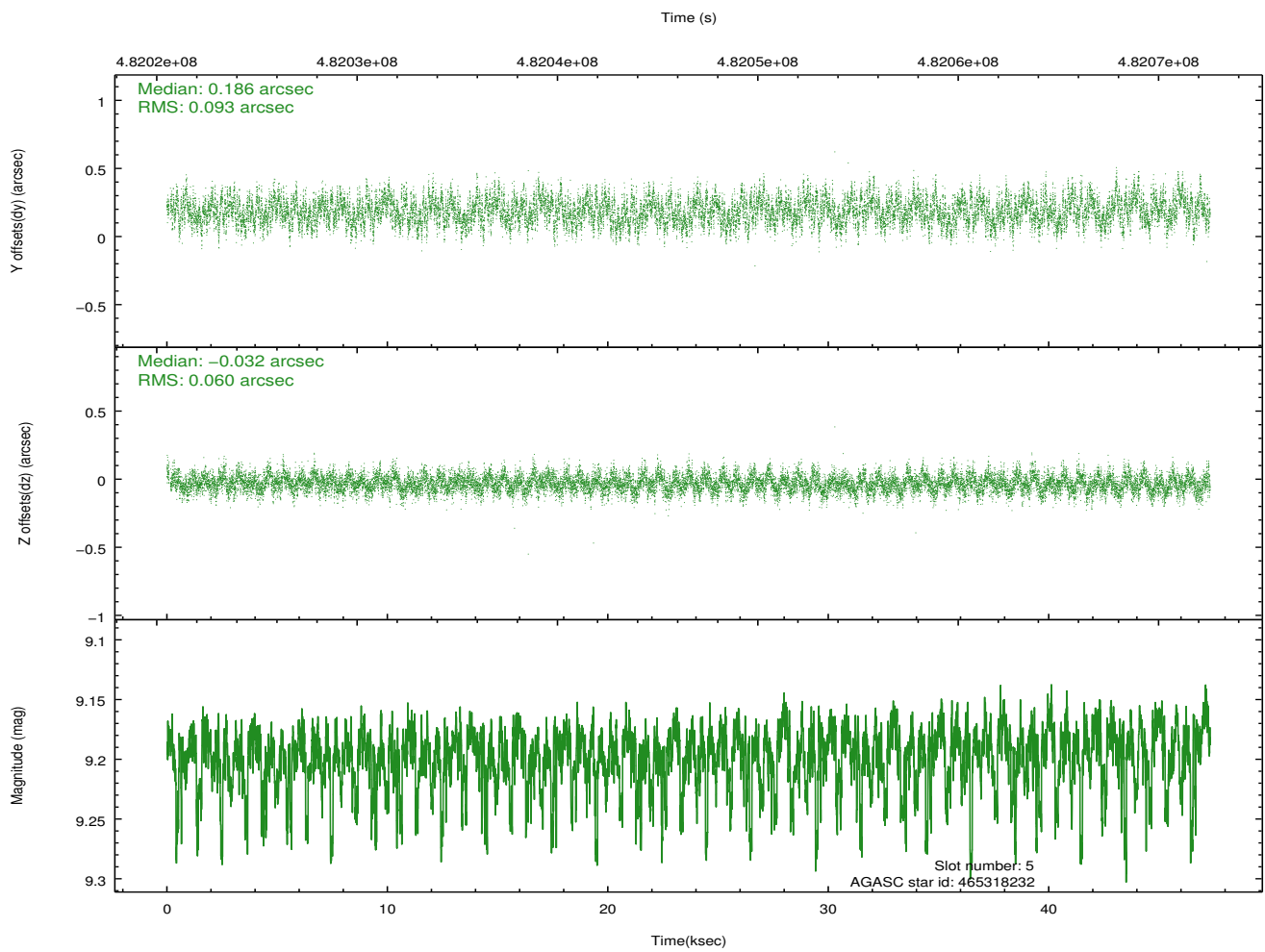
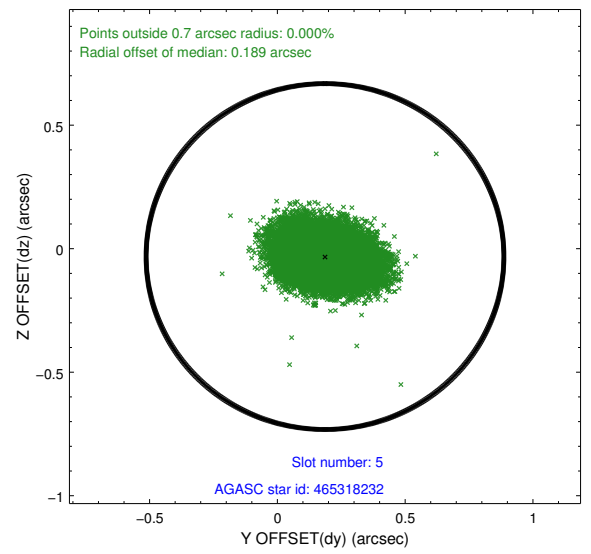
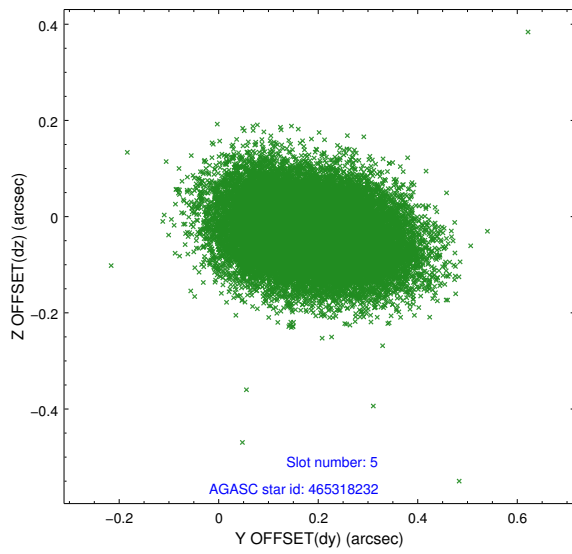
2.4.1 Slot 3



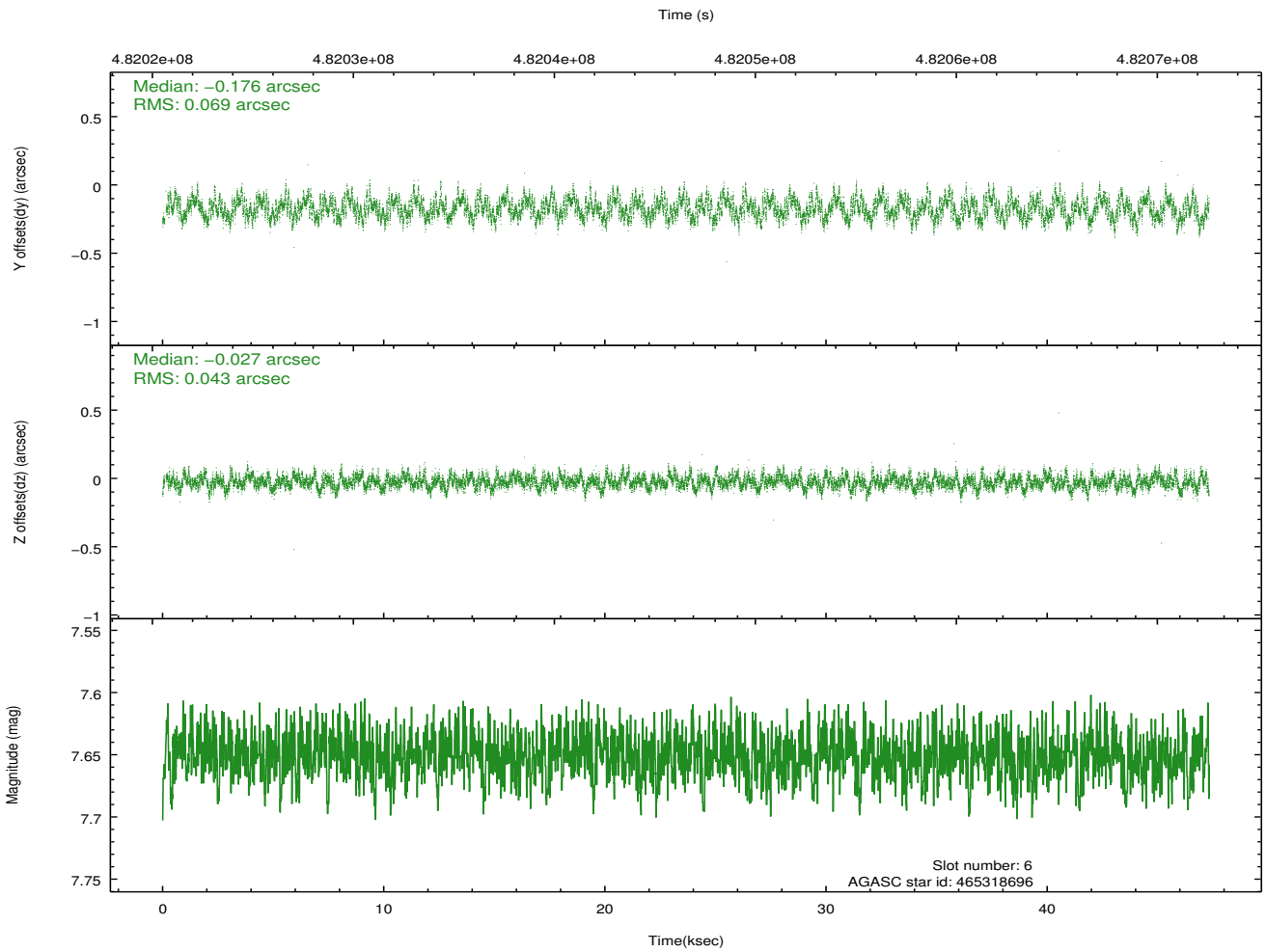
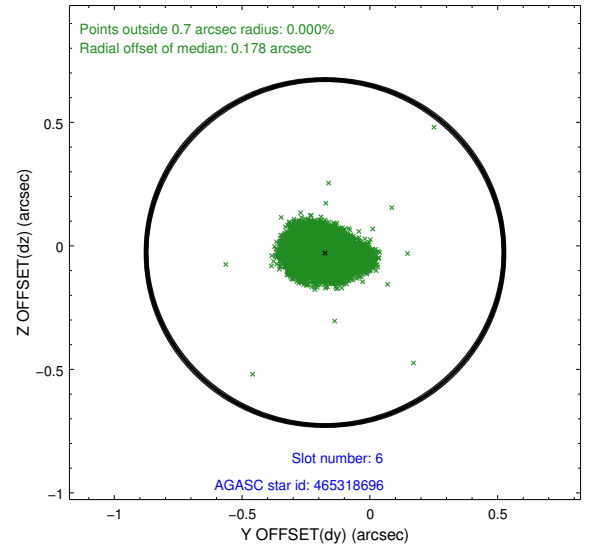
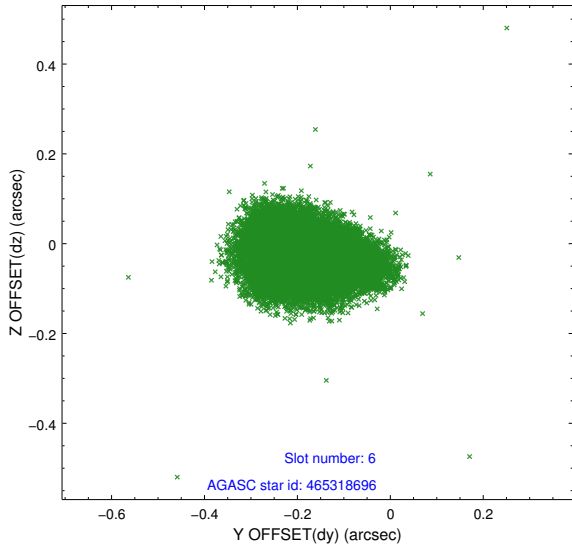
2.4.2 Slot 4



2.4.3 Slot 5

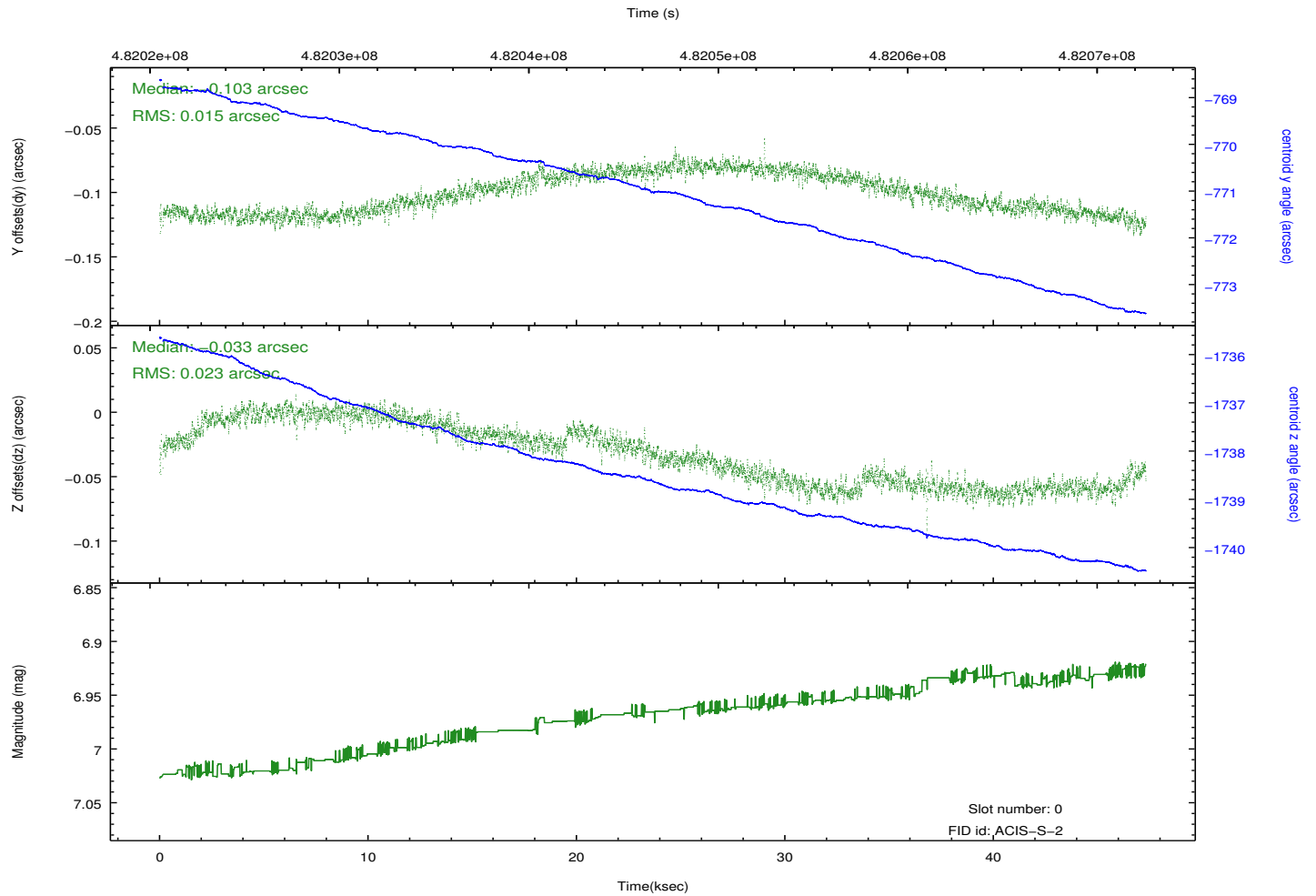
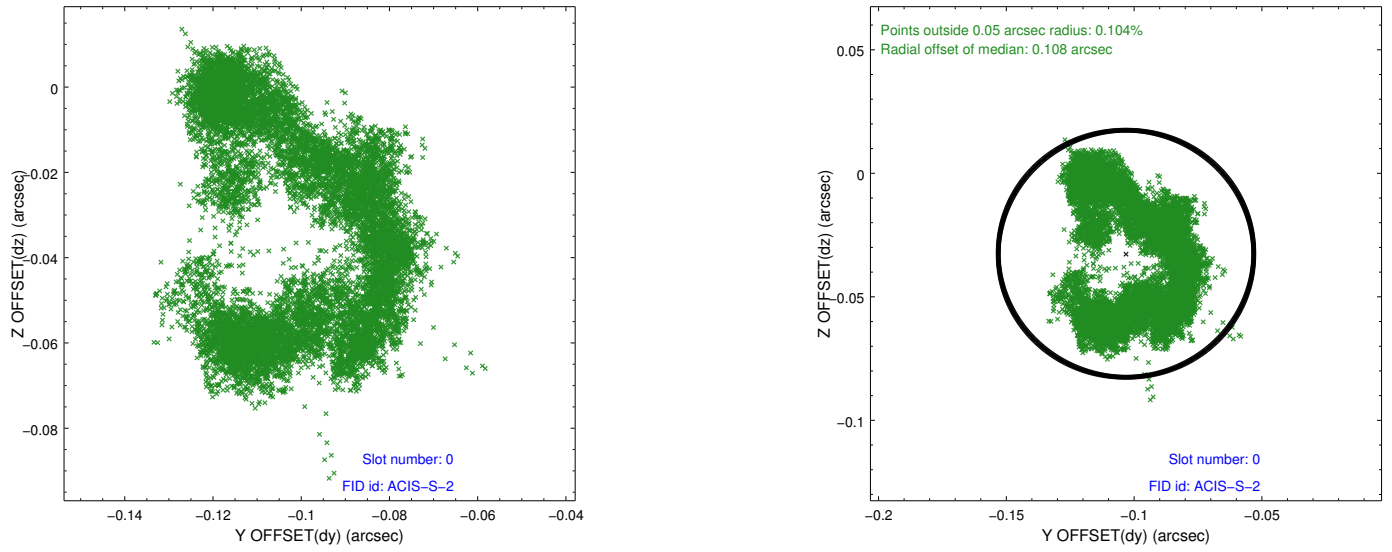


2.4.4 Slot 6

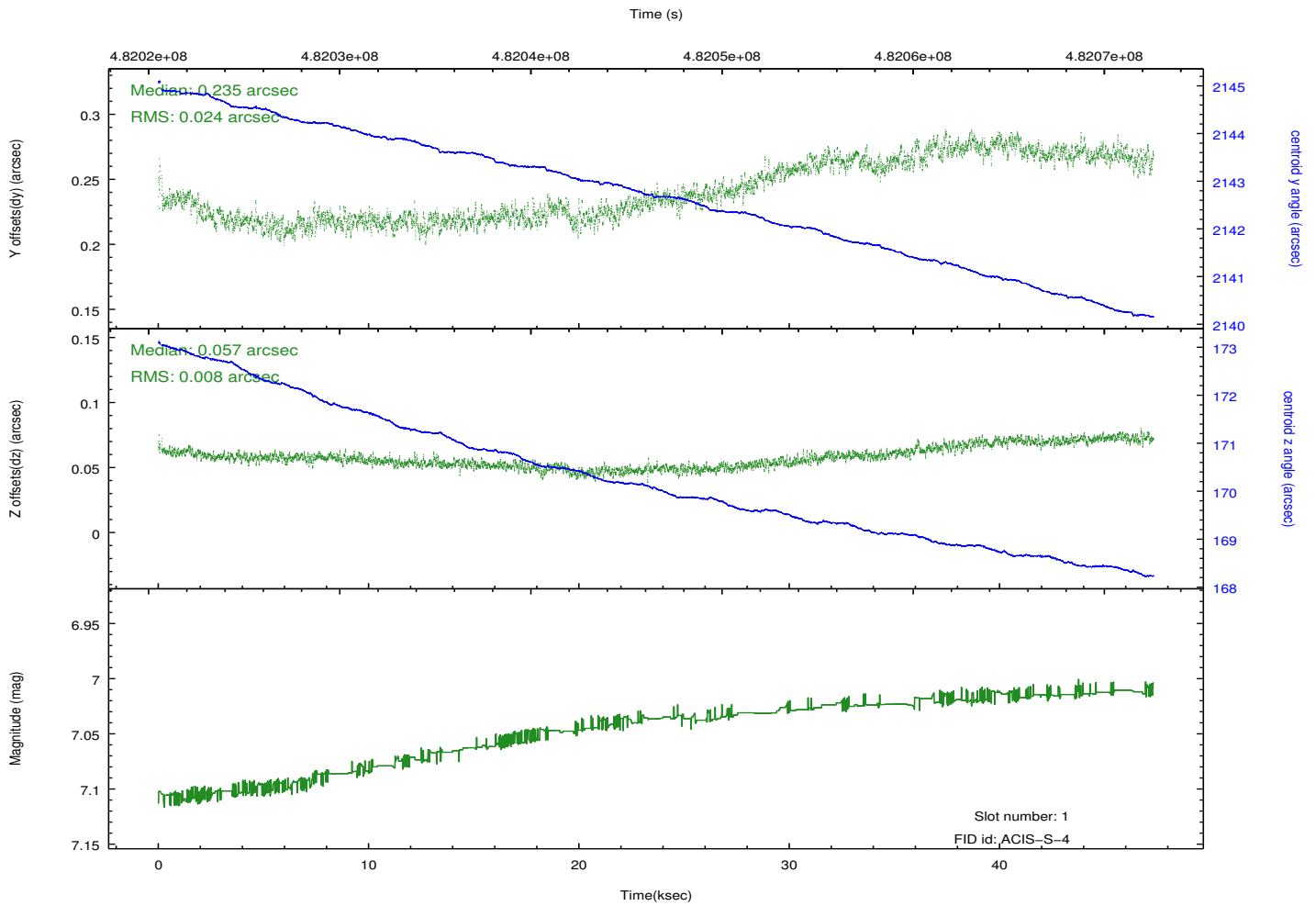
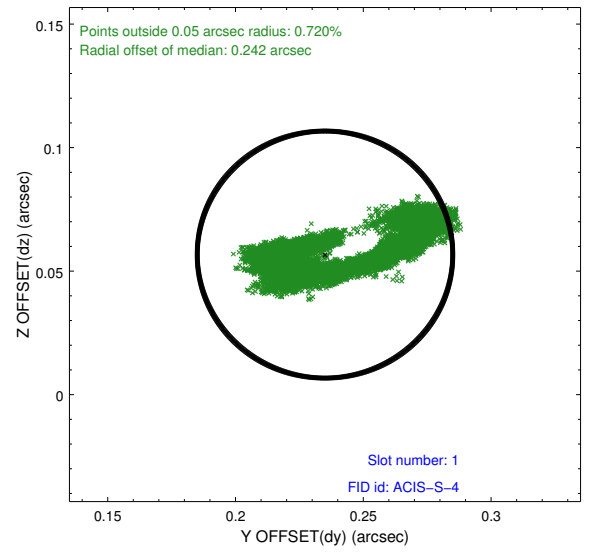
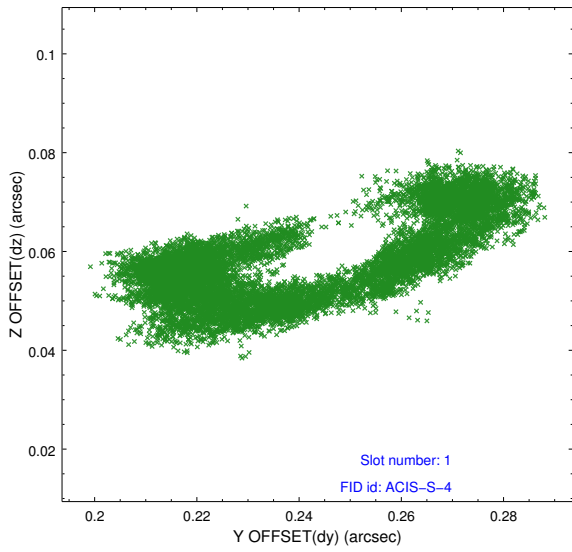


2.5 FID Slots

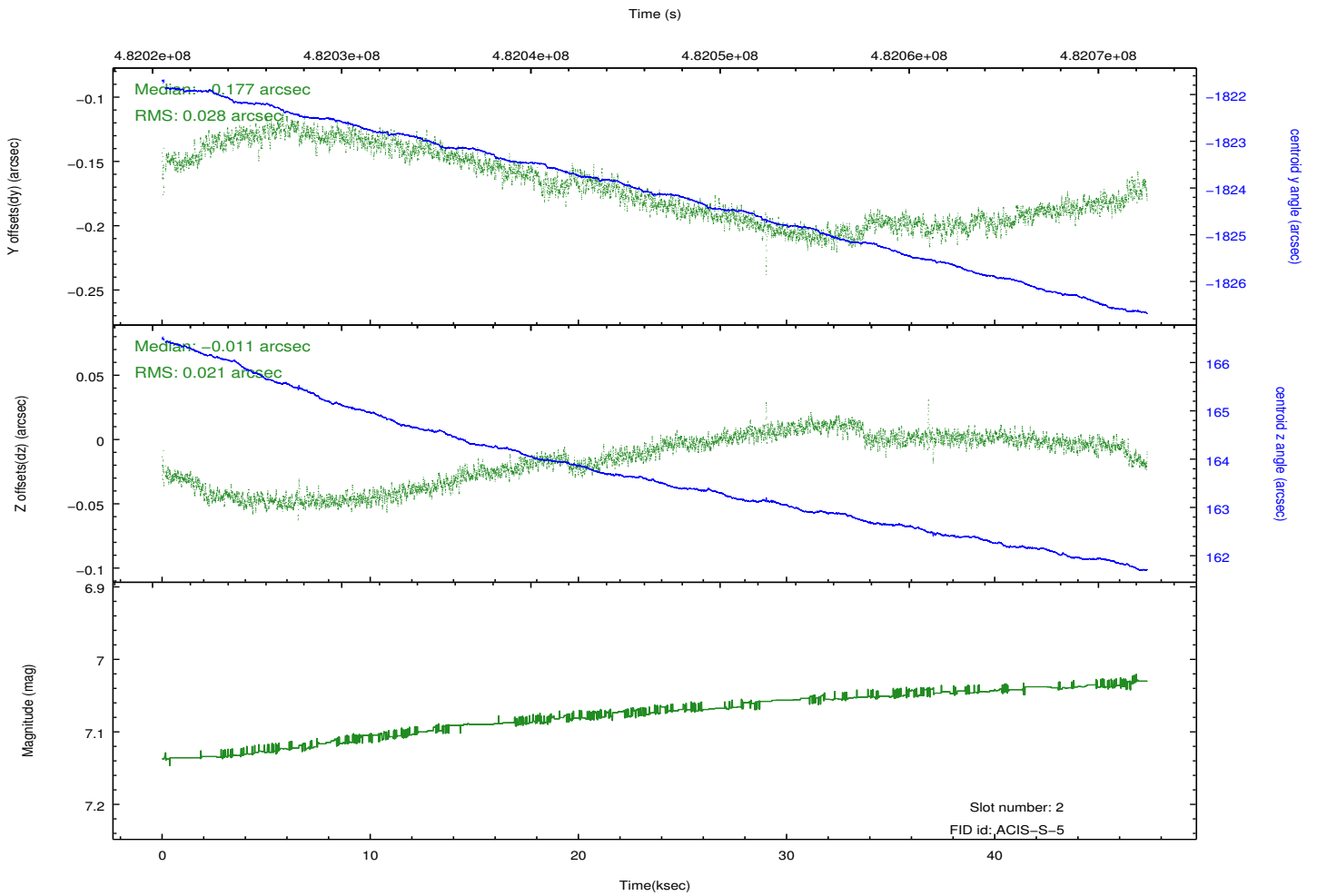
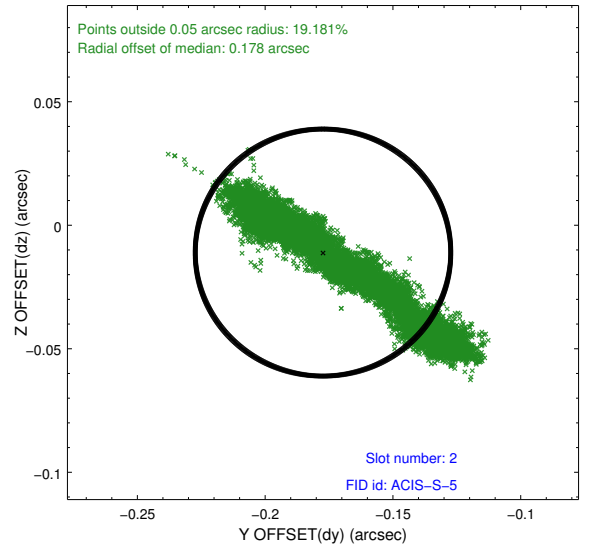
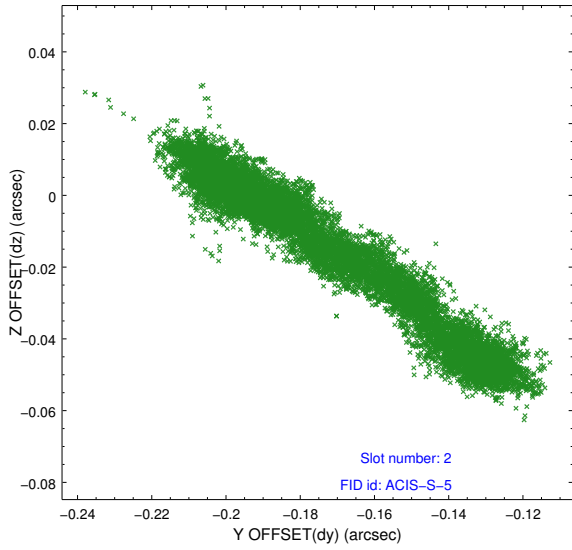
2.5.1 Slot 0



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)	2014.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.157

A.2 Comments

Observation coordinated with Kepler.

Slot 7 was used for optical photometry of the target.

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.