

V&V Reference Report

L2 ASCDS Version : 10.4

Observation 17315 - L2 Version 1
Chandra X-Ray Center

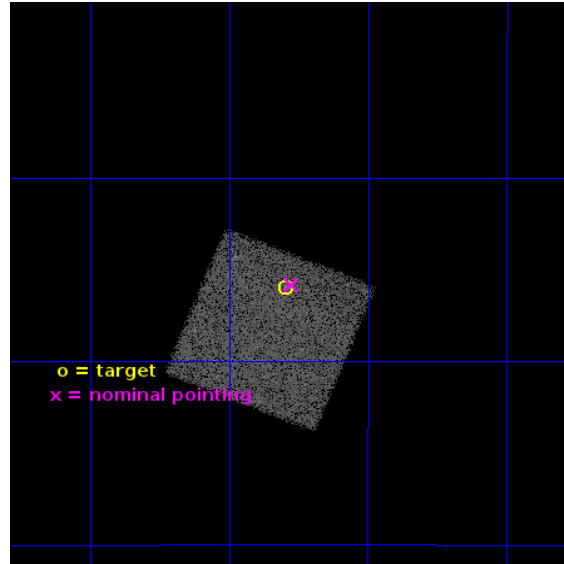
L2 Processing Date : Jun 6 2015

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1 Front

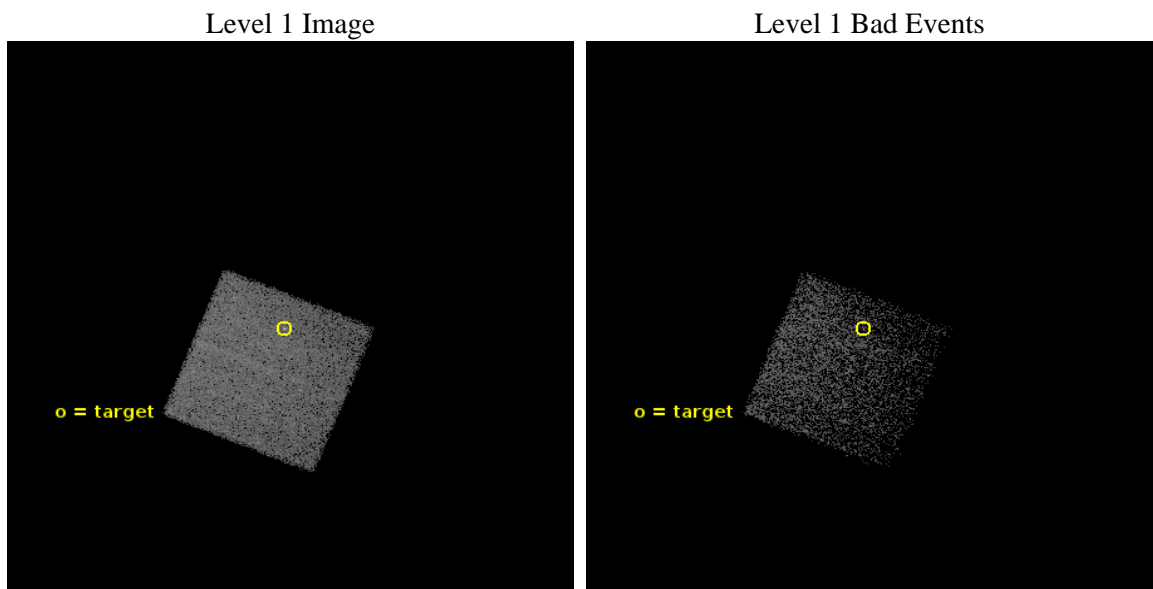
seq_num	201015	Sequence number
obs_id	17315	Observation id
title	The MUSCLES Treasury Survey: Measurements of the Ultraviolet Spectral Characteristics of Low-mass Exoplanetary Systems	Proposal title
observer	Dr. Kevin France	Principal investigator
object	GJ876	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	343.32375	Observer's specified target RA [deg]
dec_targ	-14.2665	Observer's specified target Dec [deg]
ra_nom	343.31885106549	Nominal RA [deg]
dec_nom	-14.263872230824	Nominal Dec [deg]
roll_nom	112.10573726281	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20028.0	Sum of GTIs [s]
livetime	19757.714466104	Livetime [s]
ontime7	20028.0	Sum of GTIs [s]
l2events	33398	Number of level 2 events



2 OBI

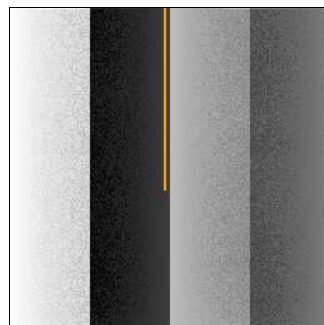
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.4	Processing system revision	ontime	20028.0	Sum of GTIs [s]
caldsver	4.6.7	 	ontime7	20028.0	Sum of GTIs [s]
date	2015-06-06T14:50:49	Date and time of file creation	l1events	62353	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

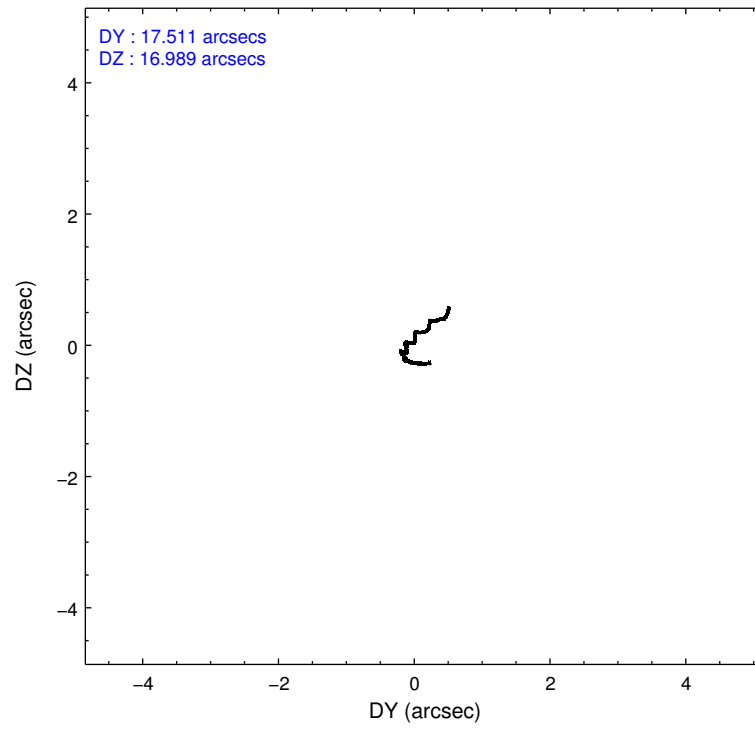
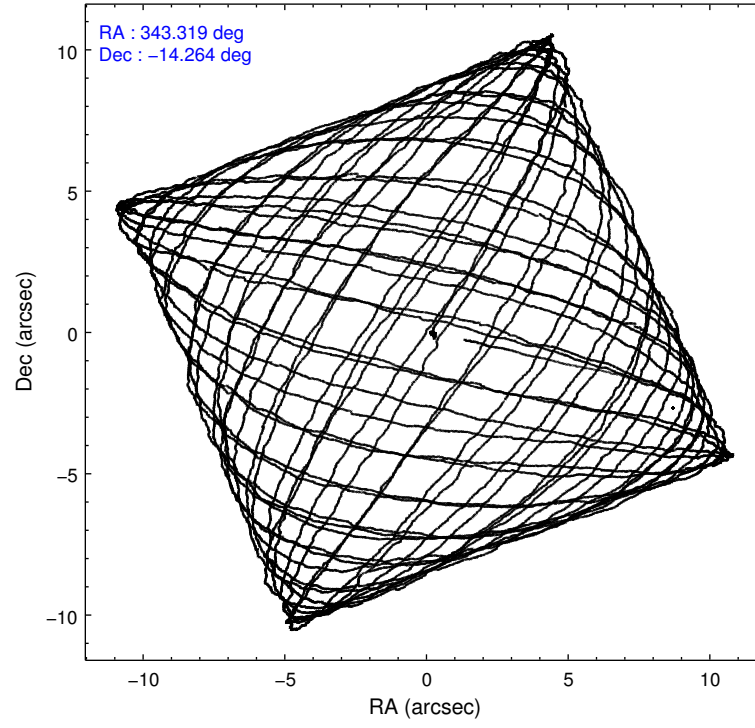
	ccd 7
level 1 events	62353
rejected events	27694
rejected %	44%

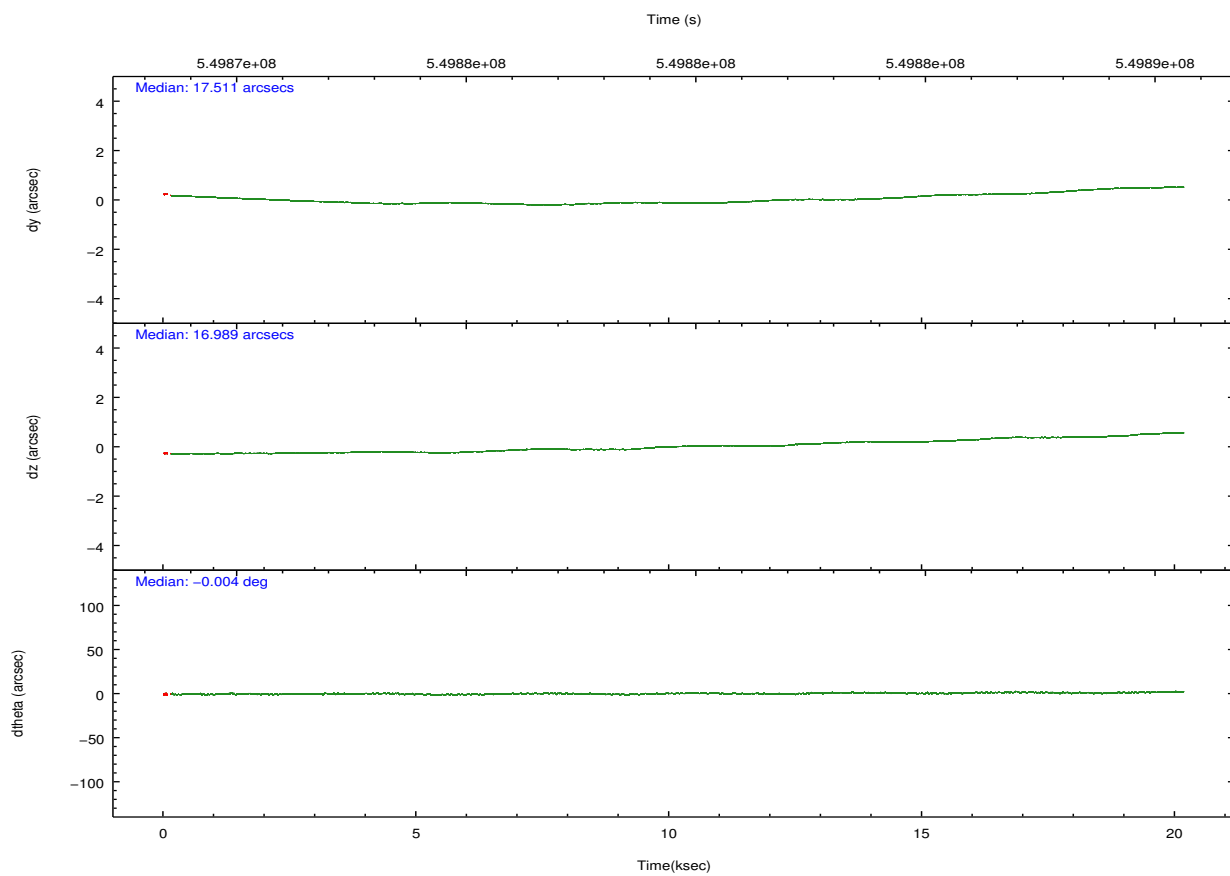
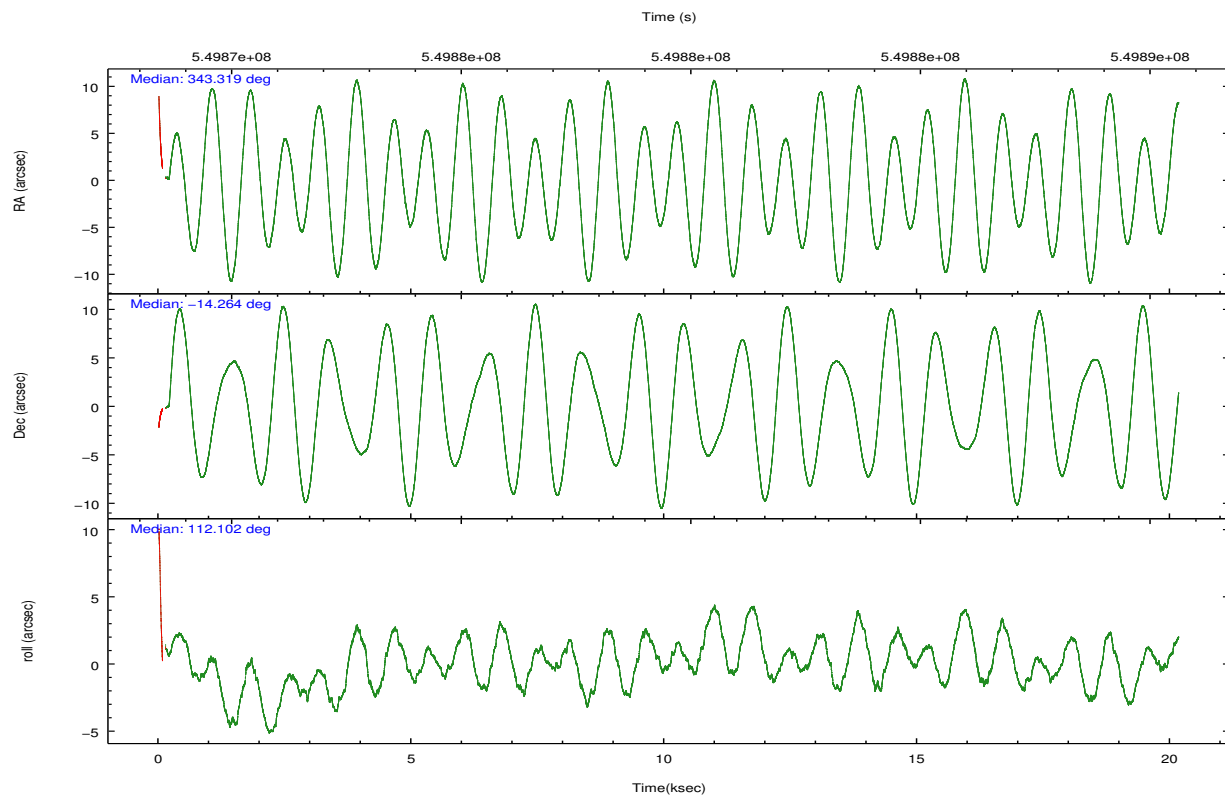
	ccd 7
grade 0 events	4621
	7%
grade 1 events	151
	0%
grade 2 events	8634
	13%
grade 3 events	3304
	5%
grade 4 events	3258
	5%
grade 5 events	6320
	10%
grade 6 events	15383
	24%
grade 7 events	20682
	33%

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	343.341412	343.3188510654874	Subarray requested	NONE	NONE
[deg] Pointing Dec	-14.280447	-14.26387223082385	Alternating exposures requested	N	N
[deg] Pointing Roll	111.954673	112.1057372628056	[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)	549869622.184000	549868581.15247			
Observation start date	2015-06-05T05:32:35	2015-06-05T05:16:21			
[s] Observation end time (MET)	549889622.184000	549890358.30369			
Observation end date	2015-06-05T11:05:55	2015-06-05T11:19:18			
Read mode	TIMED	TIMED			

2.3 Aspect



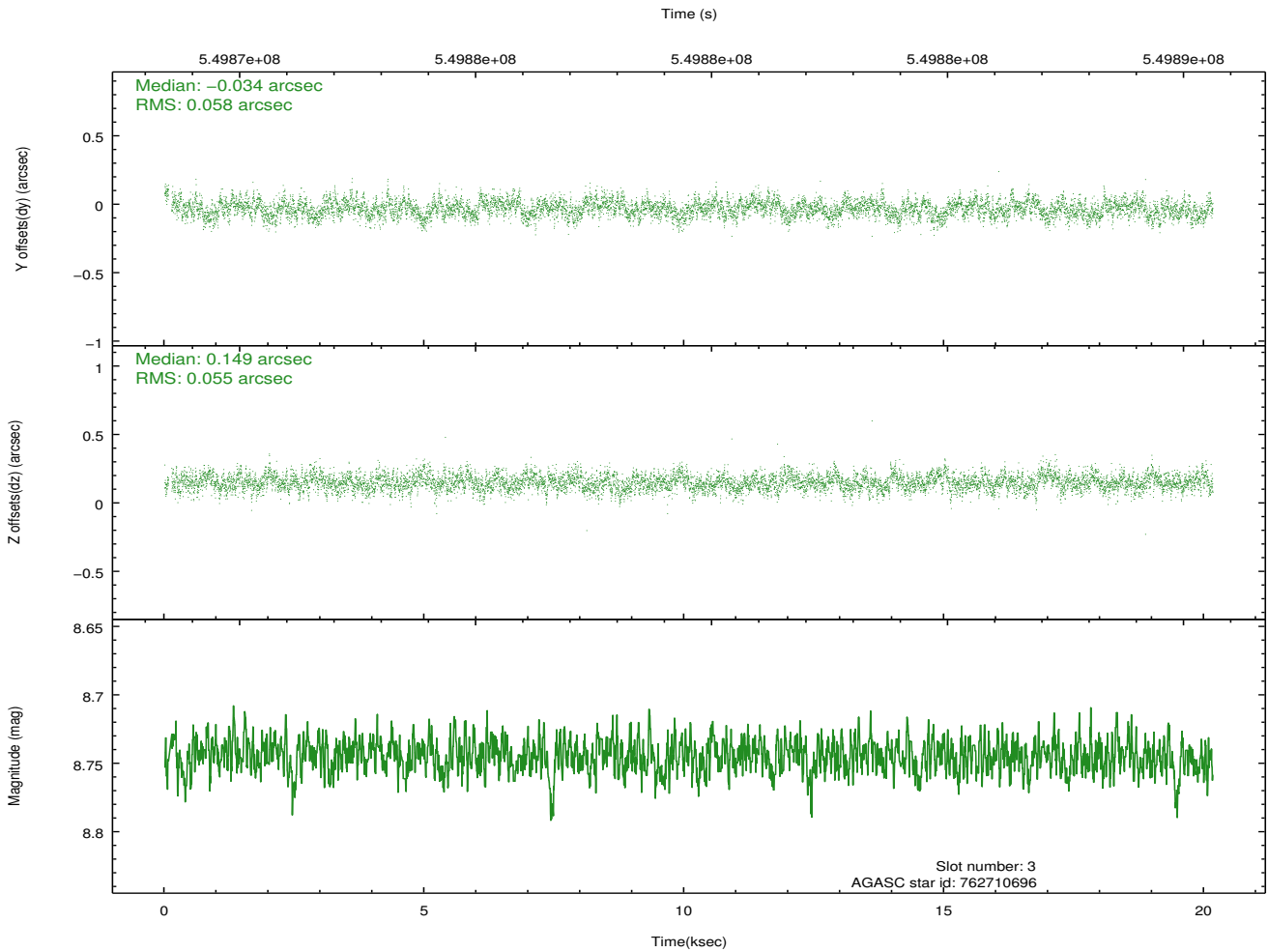
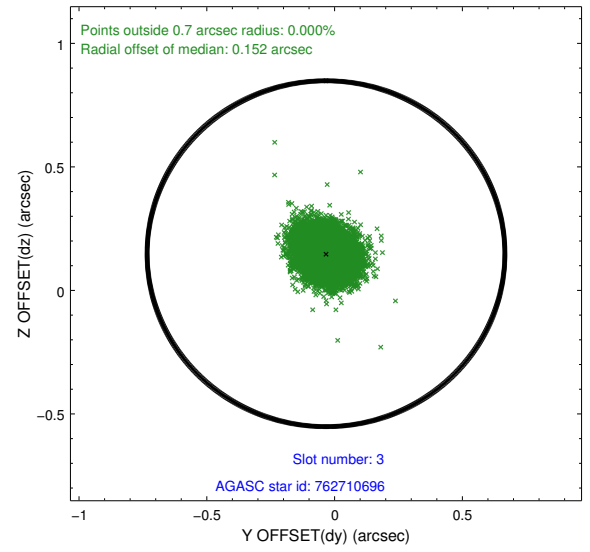
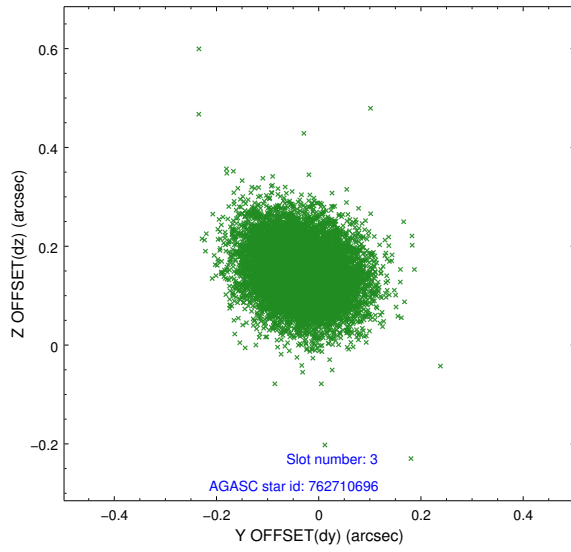


Slot Statistics

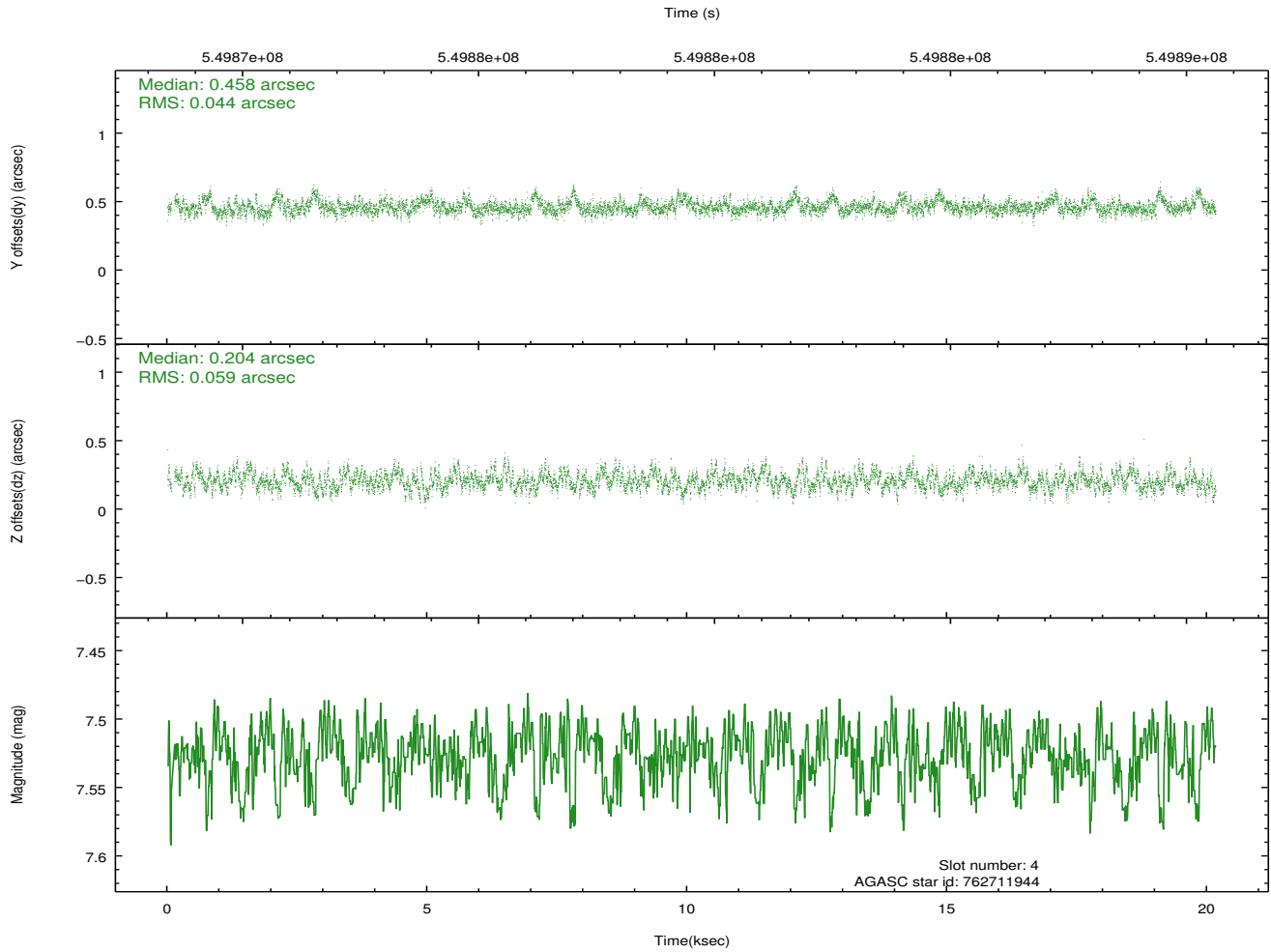
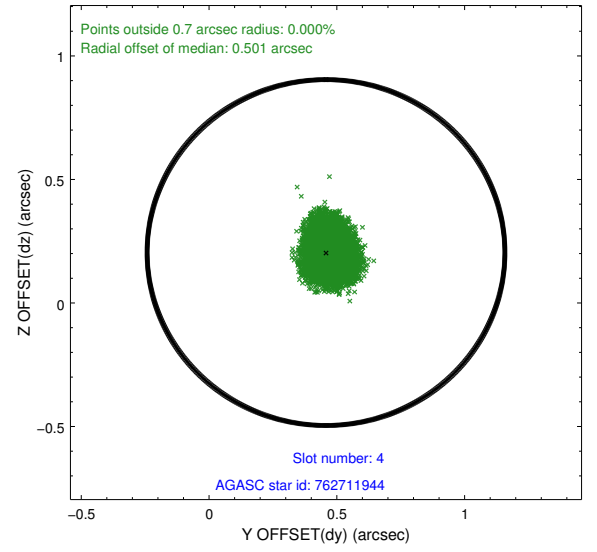
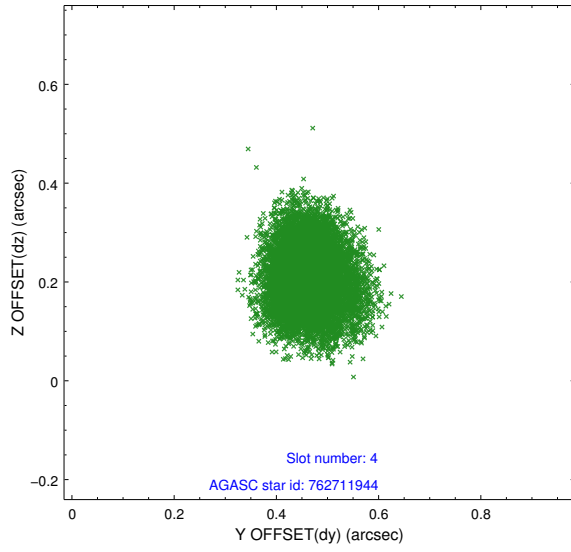
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.03	4903	-0.108	-0.063	0.013	0.025	0.000000	0.000000	-770.70	-1738.47
1	FID		ACIS-S-4	7.12	4904	0.333	0.070	0.008	0.015	0.000000	0.000000	2142.93	169.97
2	FID		ACIS-S-5	7.14	4904	-0.256	0.002	0.013	0.027	0.000000	0.000000	-1823.45	163.77
3	GUIDE	used	762710696	8.74	9805	-0.034	0.149	0.085	0.139	343.627319	-14.817648	-2166.22	-199.25
4	GUIDE	used	762711944	7.53	9808	0.458	0.204	0.078	0.129	344.003316	-14.663530	-2143.66	-1620.88
5	GUIDE	used	762714776	8.05	9807	-0.418	-0.732	0.101	0.155	342.600666	-14.059348	1700.59	2102.75
6	GUIDE	used	762712928	9.00	9796	-0.013	0.375	0.111	0.177	343.847340	-13.740656	1139.53	-2365.74
7	MONITOR	unused		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

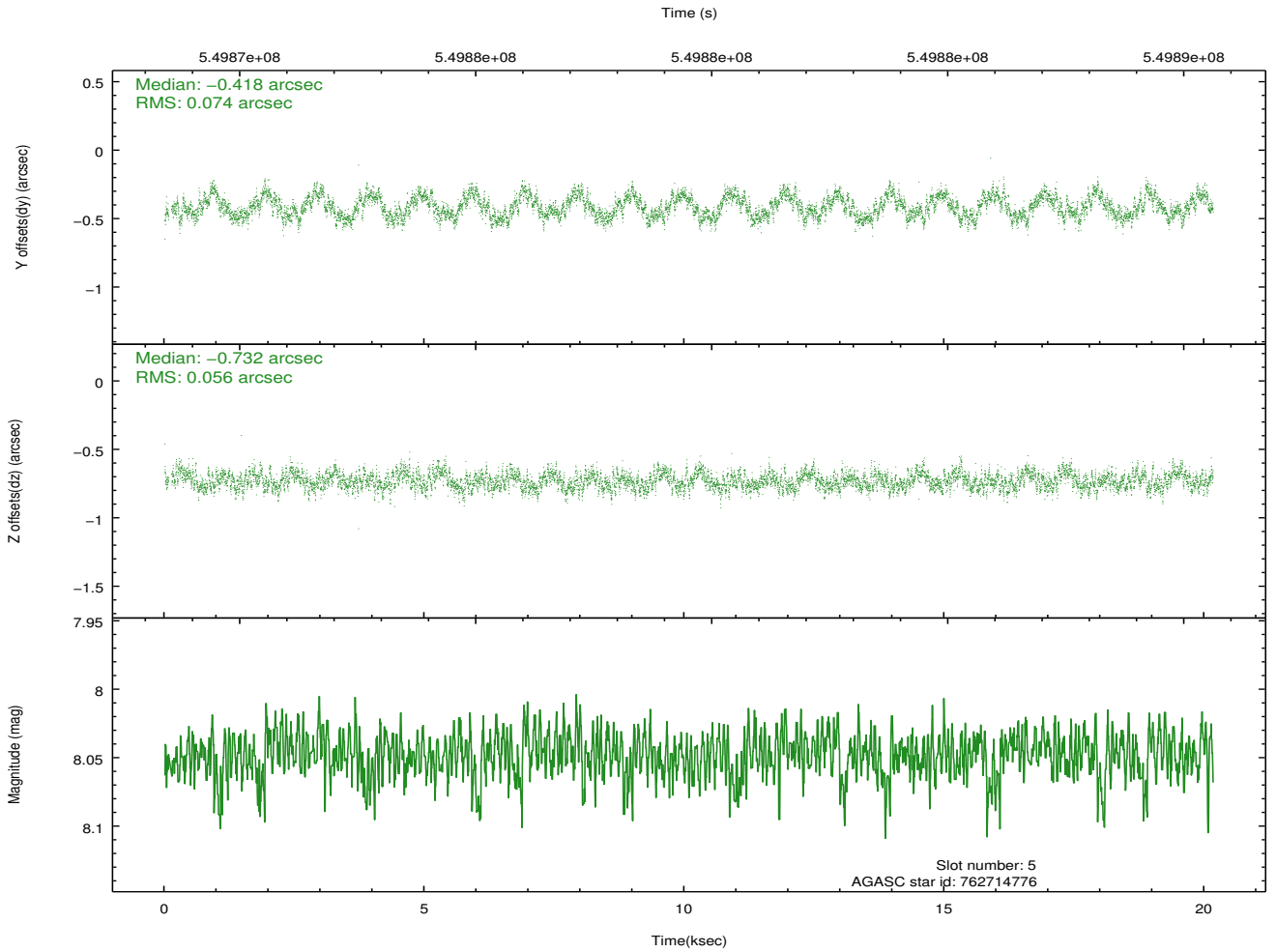
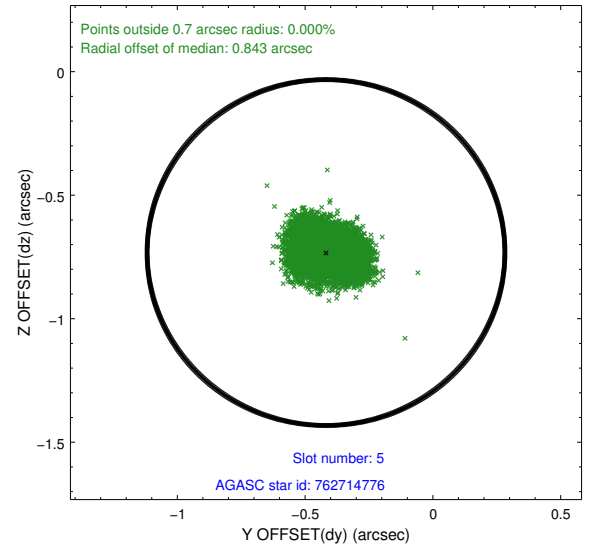
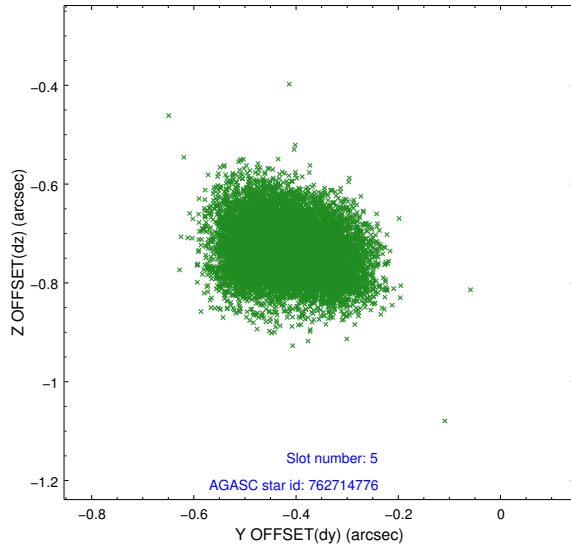
2.4.1 Slot 3



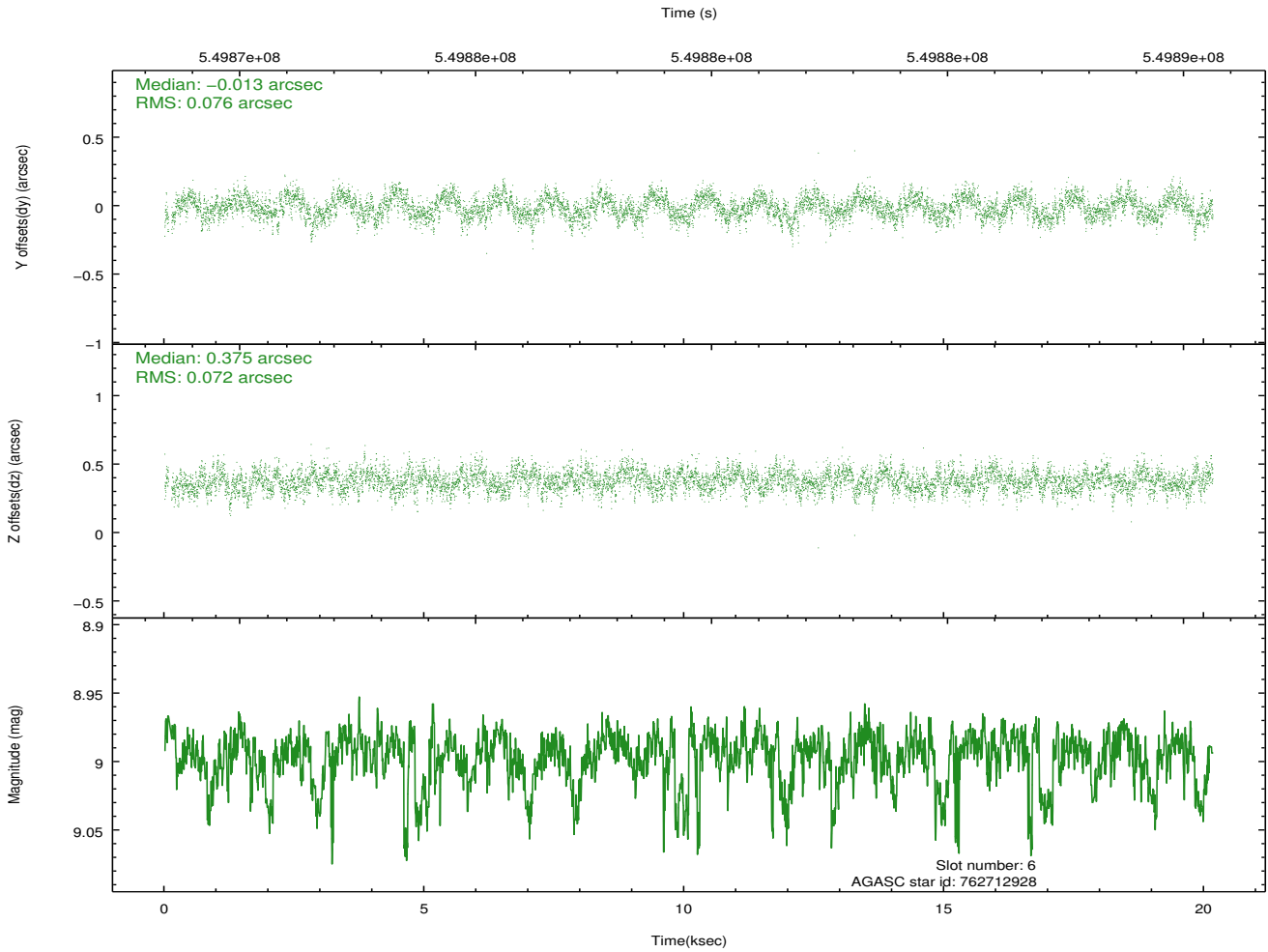
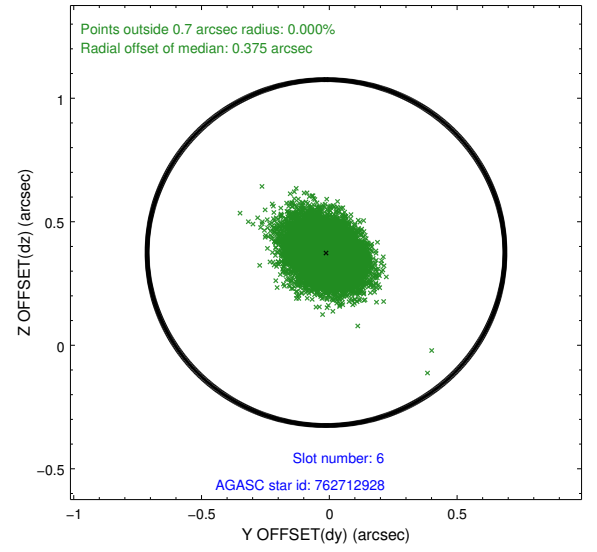
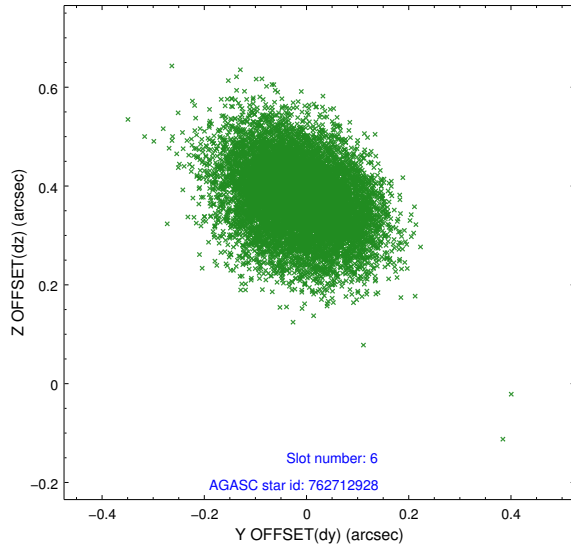
2.4.2 Slot 4



2.4.3 Slot 5

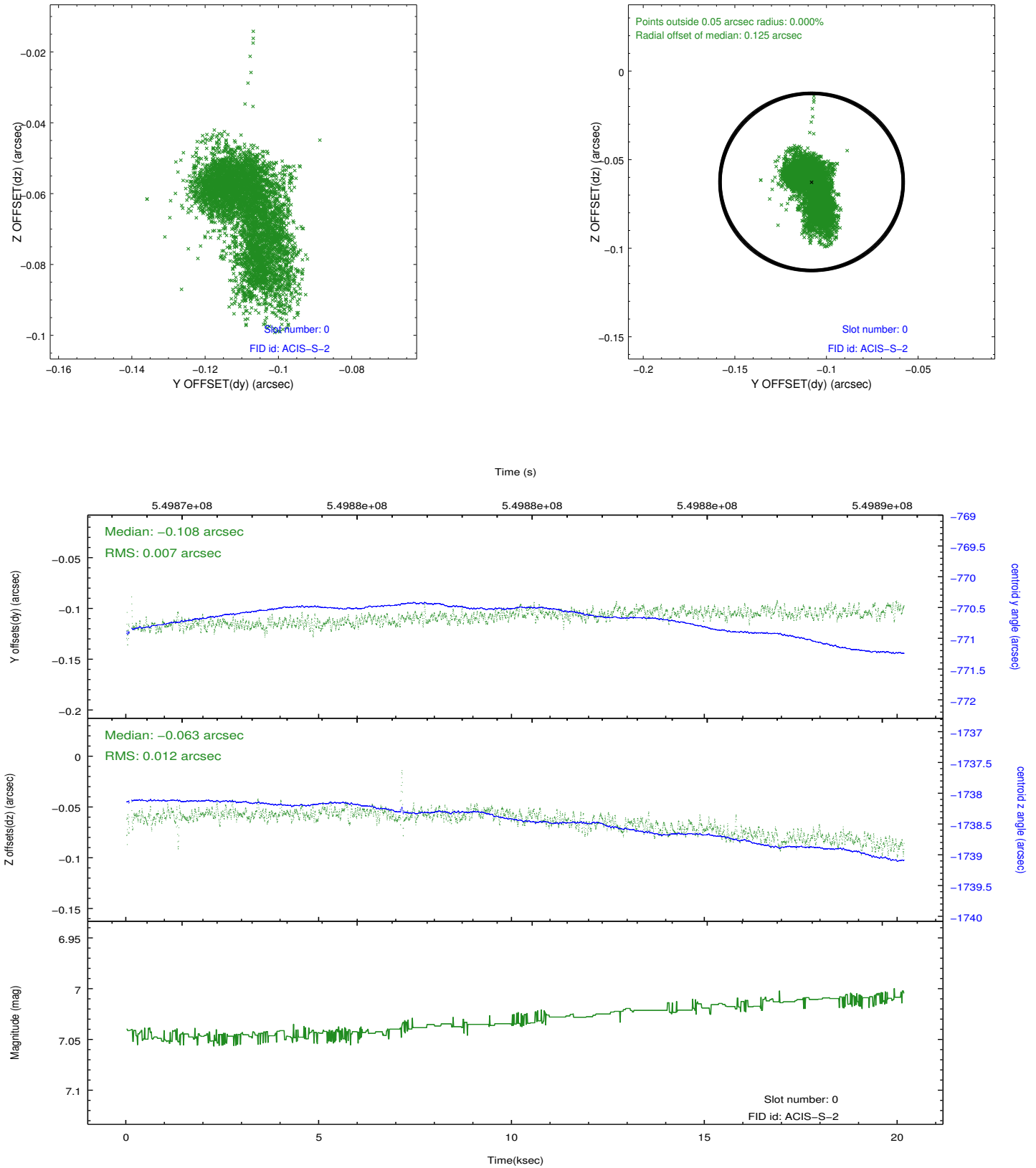


2.4.4 Slot 6

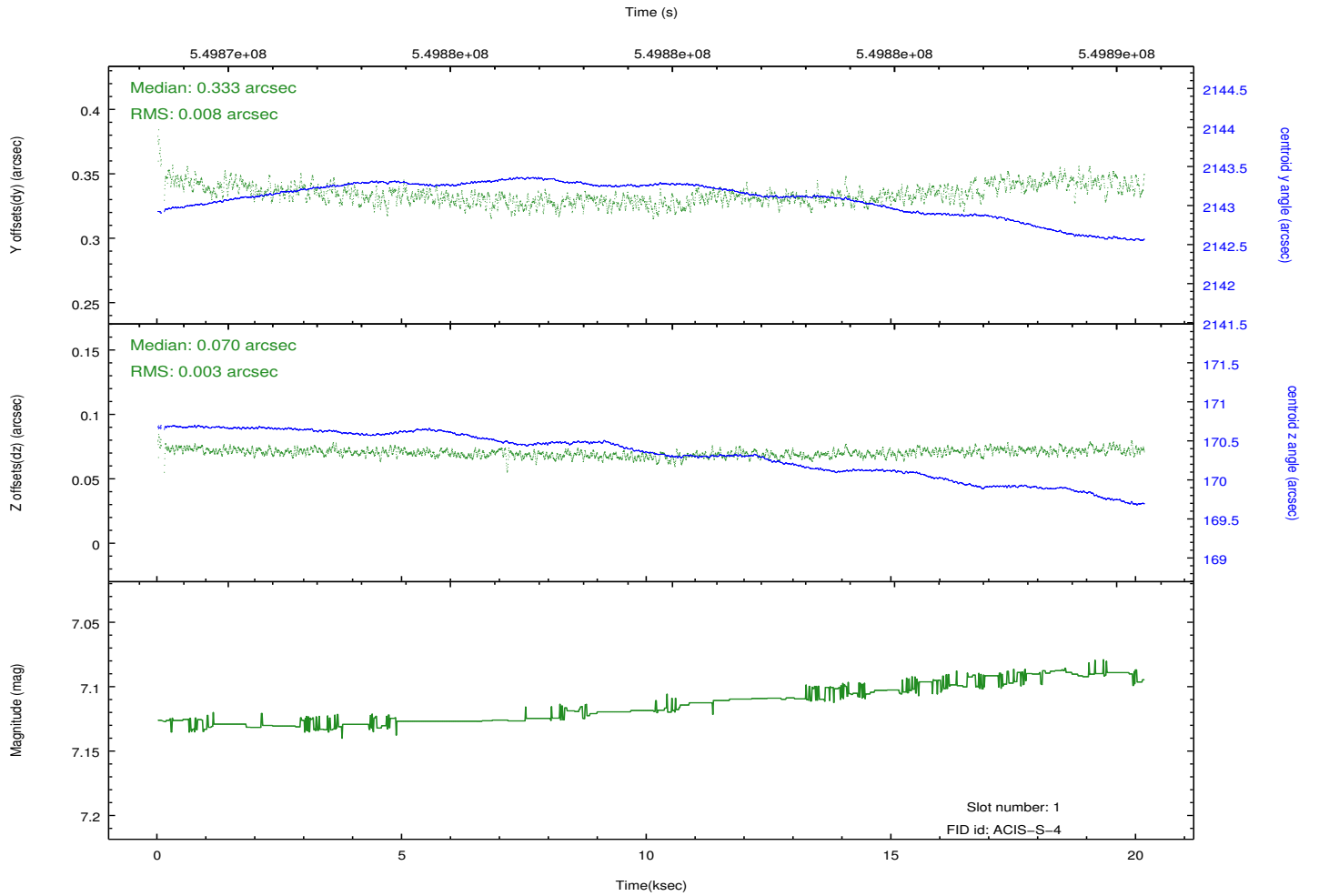
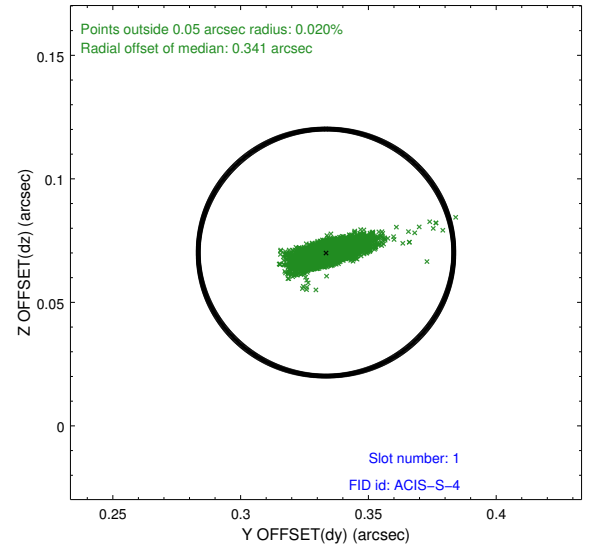
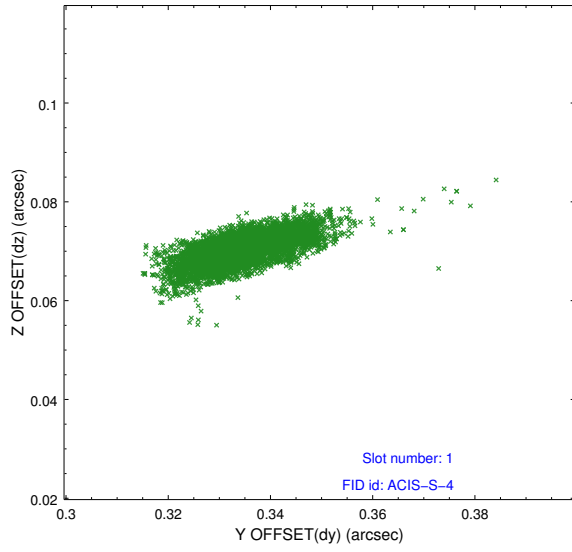


2.5 FID Slots

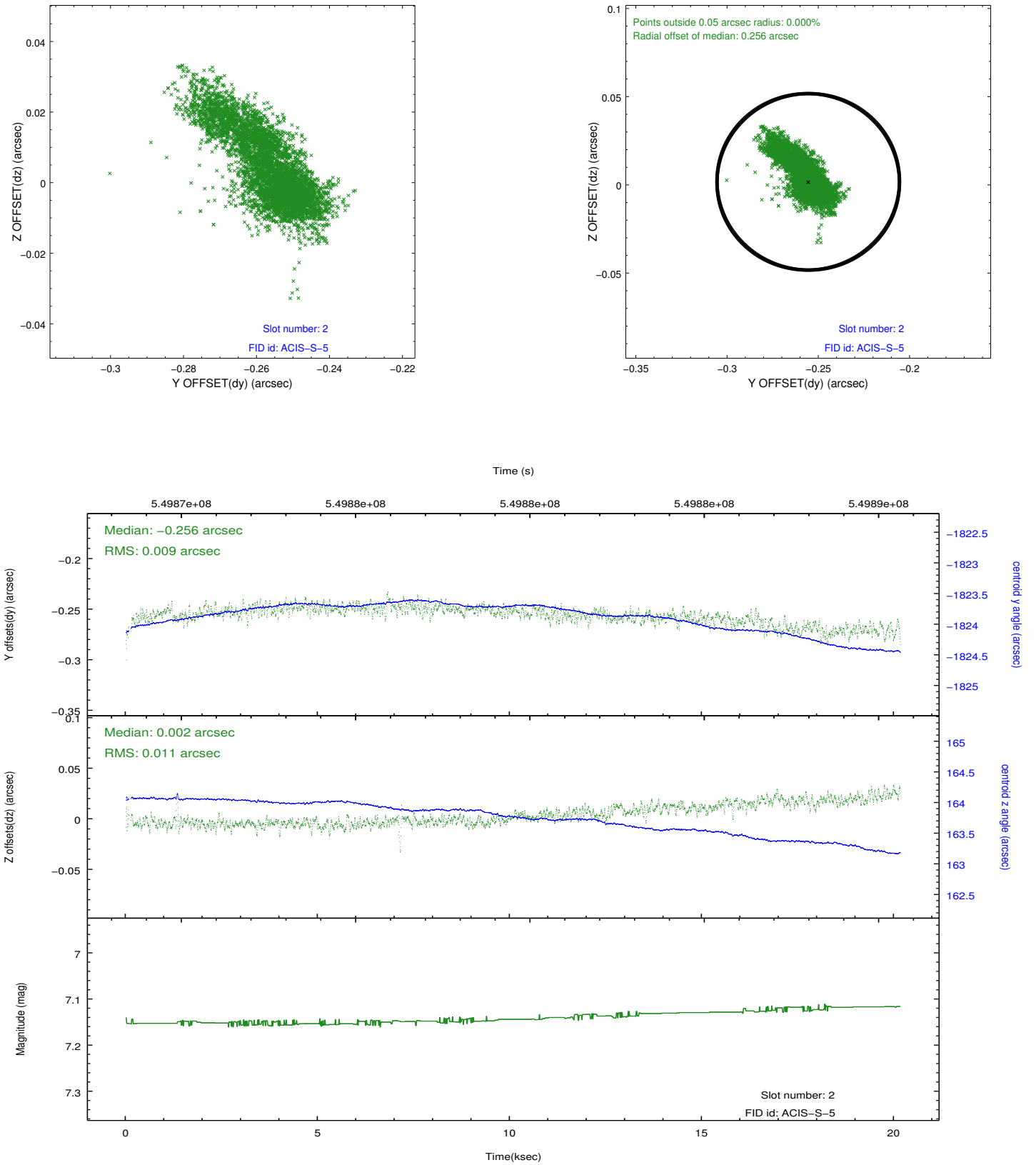
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.06.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.028

A.2 Comments

Photometry in optical wavelengths with Aspect Camera, slot 7, was performed throughout the observation. HST/CX0 coordinated observation.