

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17318 - L2 Version 1
Chandra X-Ray Center

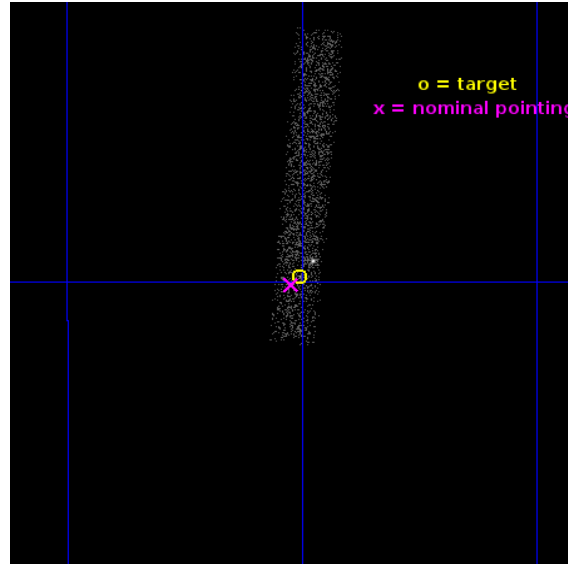
L2 Processing Date : Aug 7 2015

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1 Front

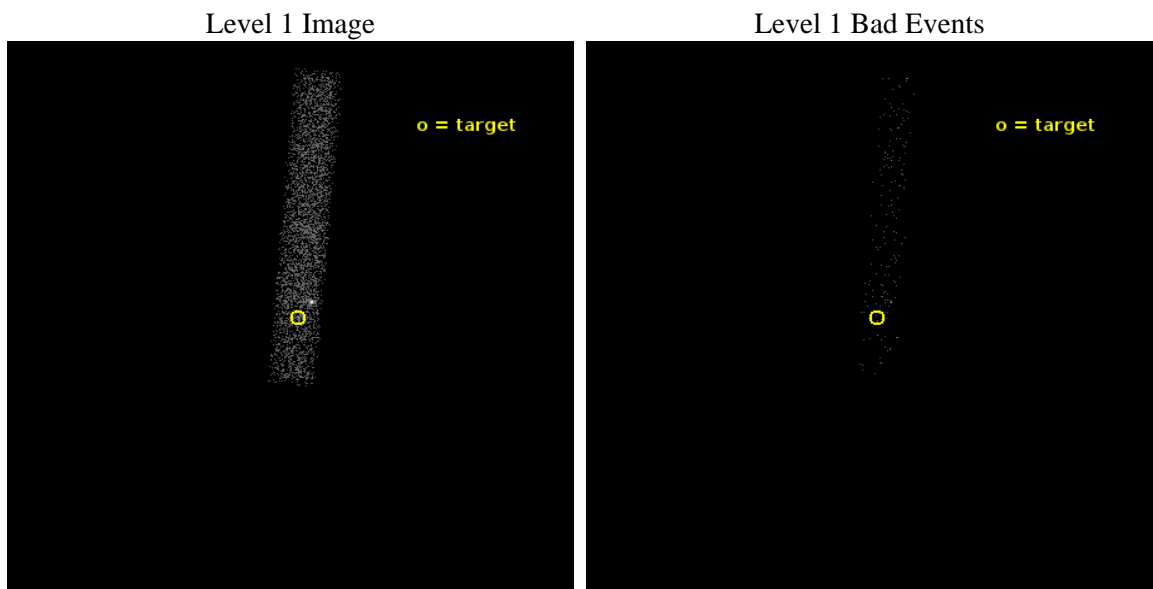
seq_num	201018	Sequence number
obs_id	17318	Observation id
title	The MUSCLES Treasury Survey: Measurements of the Ultraviolet Spectral Characteristics of Low-mass Exoplanetary Systems	Proposal title
observer	Dr. Kevin France	Principal investigator
object	GJ667C	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	259.750833	Observer's specified target RA [deg]
dec_targ	-34.99775	Observer's specified target Dec [deg]
ra_nom	259.75551587319	Nominal RA [deg]
dec_nom	-35.001639517161	Nominal Dec [deg]
roll_nom	274.93520299656	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10071.19939959	Sum of GTIs [s]
livetime	9134.0462539366	Livetime [s]
ontime7	10071.19939959	Sum of GTIs [s]
l2events	3685	Number of level 2 events



2 OBI

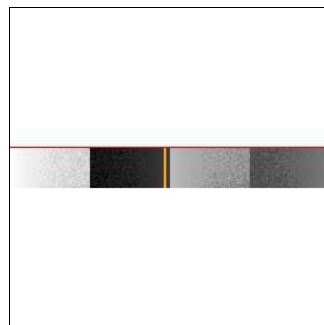
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	10071.19939959	Sum of GTIs [s]
caldsver	4.6.8	 	ontime7	10071.19939959	Sum of GTIs [s]
date	2015-08-07T16:45:13	Date and time of file creation	l1events	5682	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

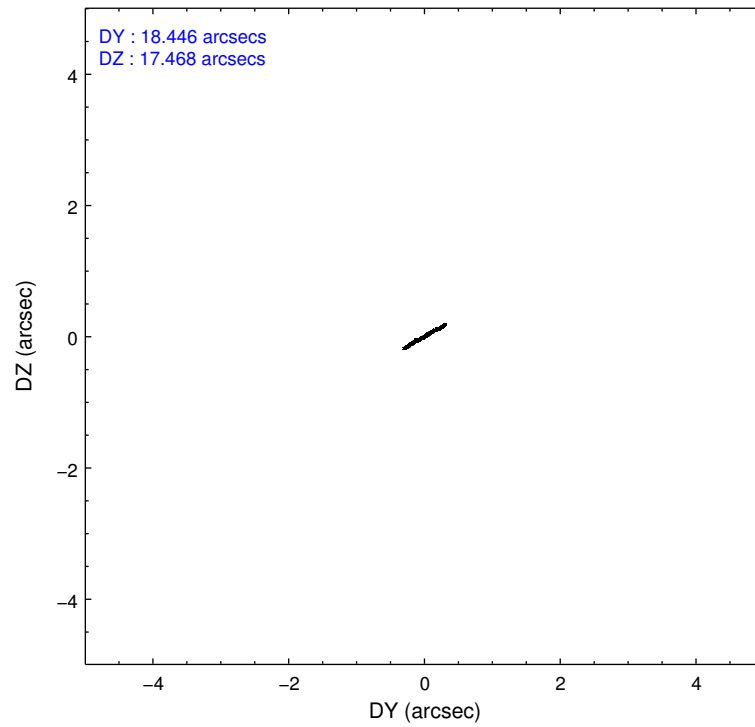
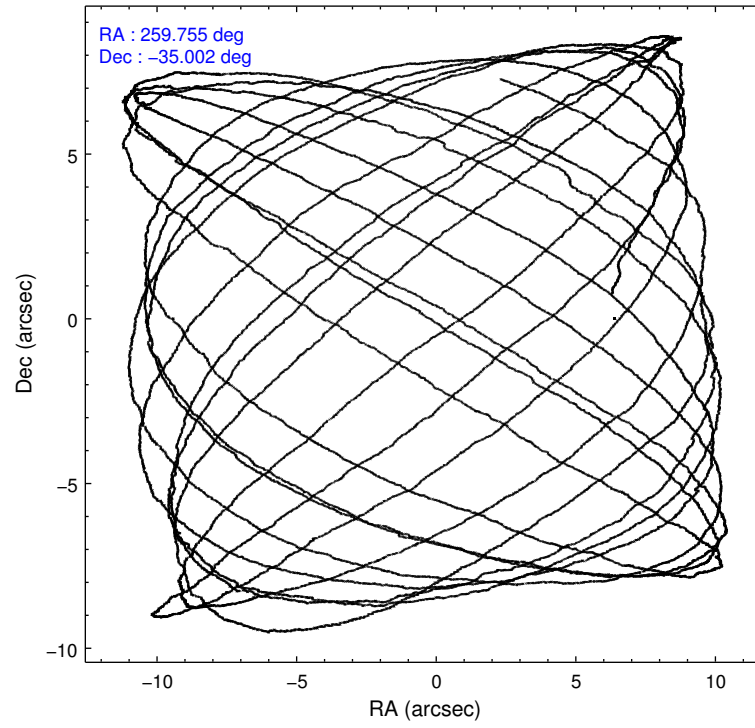
	ccd 7
level 1 events	5682
rejected events	1760
rejected %	30%

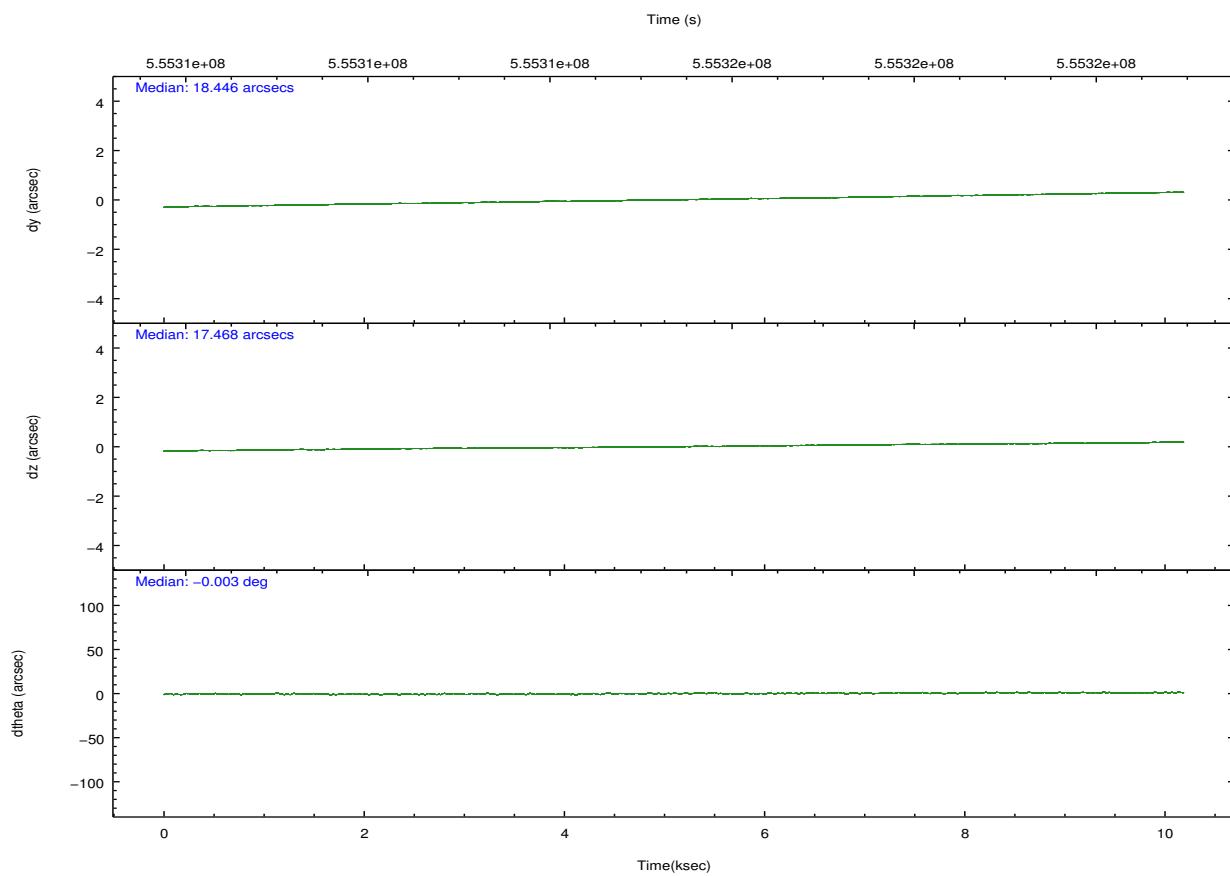
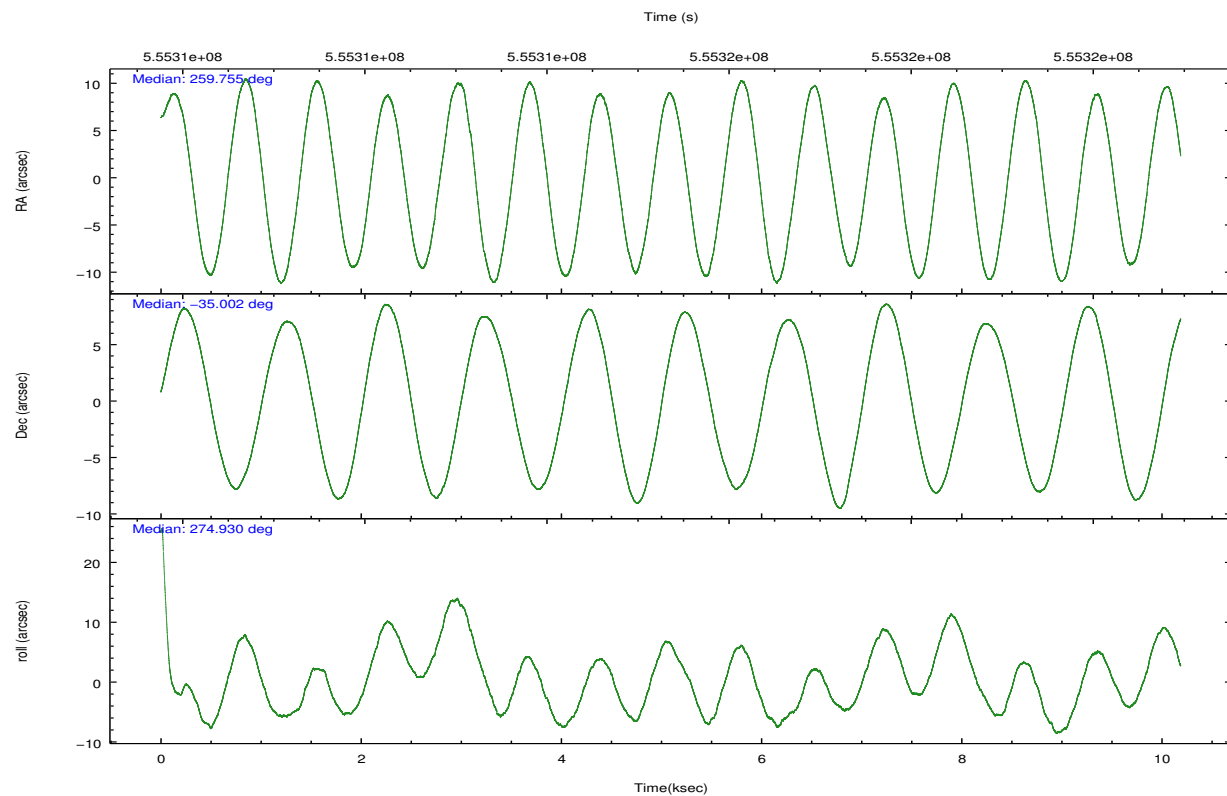
	ccd 7
grade 0 events	821
	14%
grade 1 events	14
	0%
grade 2 events	859
	15%
grade 3 events	538
	9%
grade 4 events	558
	9%
grade 5 events	443
	7%
grade 6 events	1149
	20%
grade 7 events	1300
	22%

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	259.735903	259.7555158731894	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-34.979371	-35.00163951716099	Subarray start row	449	449
[deg] Pointing Roll	274.767291	274.9352029965578	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)	555310459.184000	555309864.17098			
Observation start date	2015-08-07T04:53:11	2015-08-07T04:44:24			
[s] Observation end time (MET)	555320459.184000	555321532.25914			
Observation end date	2015-08-07T07:39:51	2015-08-07T07:58:52			
Read mode	TIMED	TIMED			

2.3 Aspect



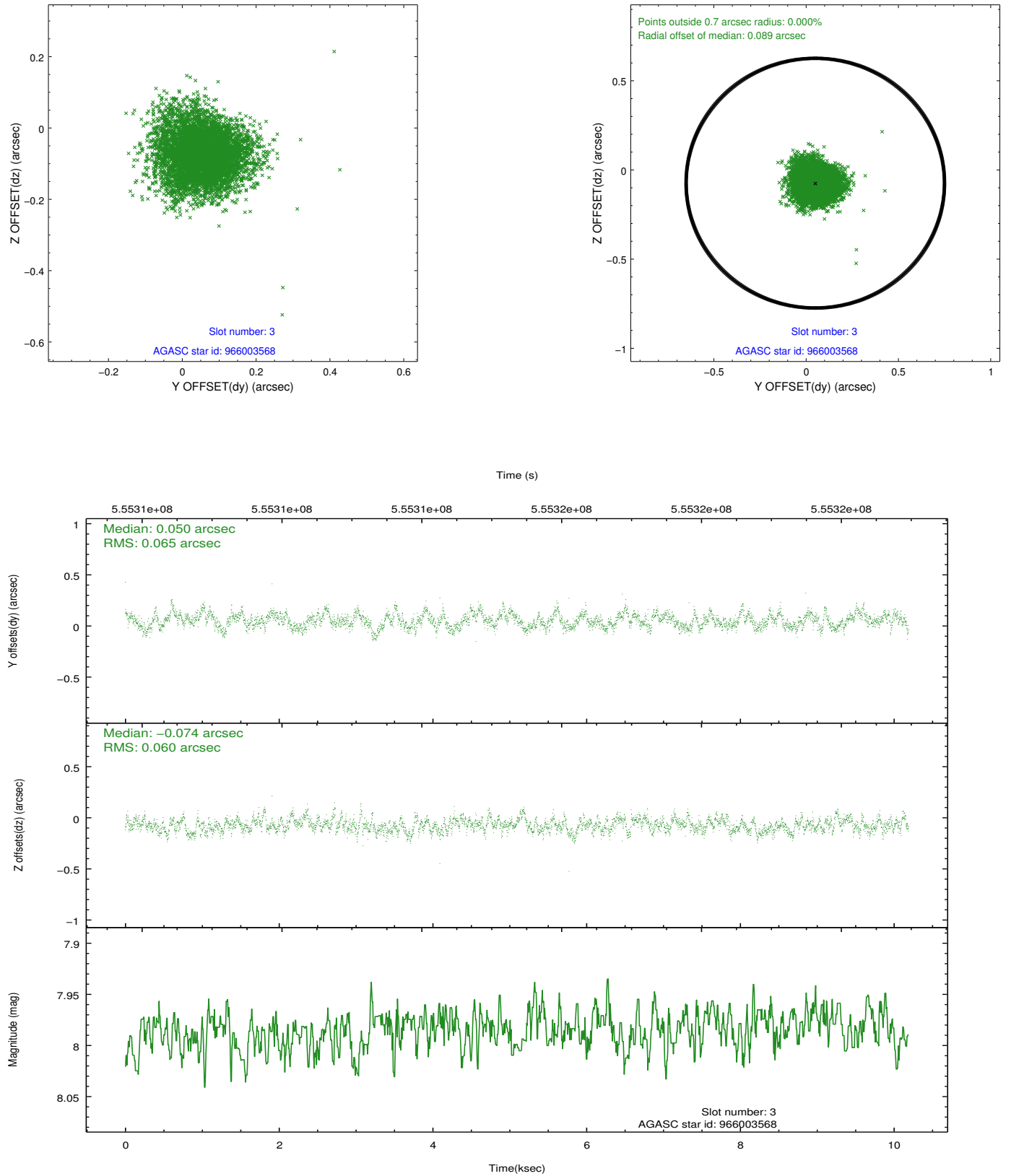


Slot Statistics

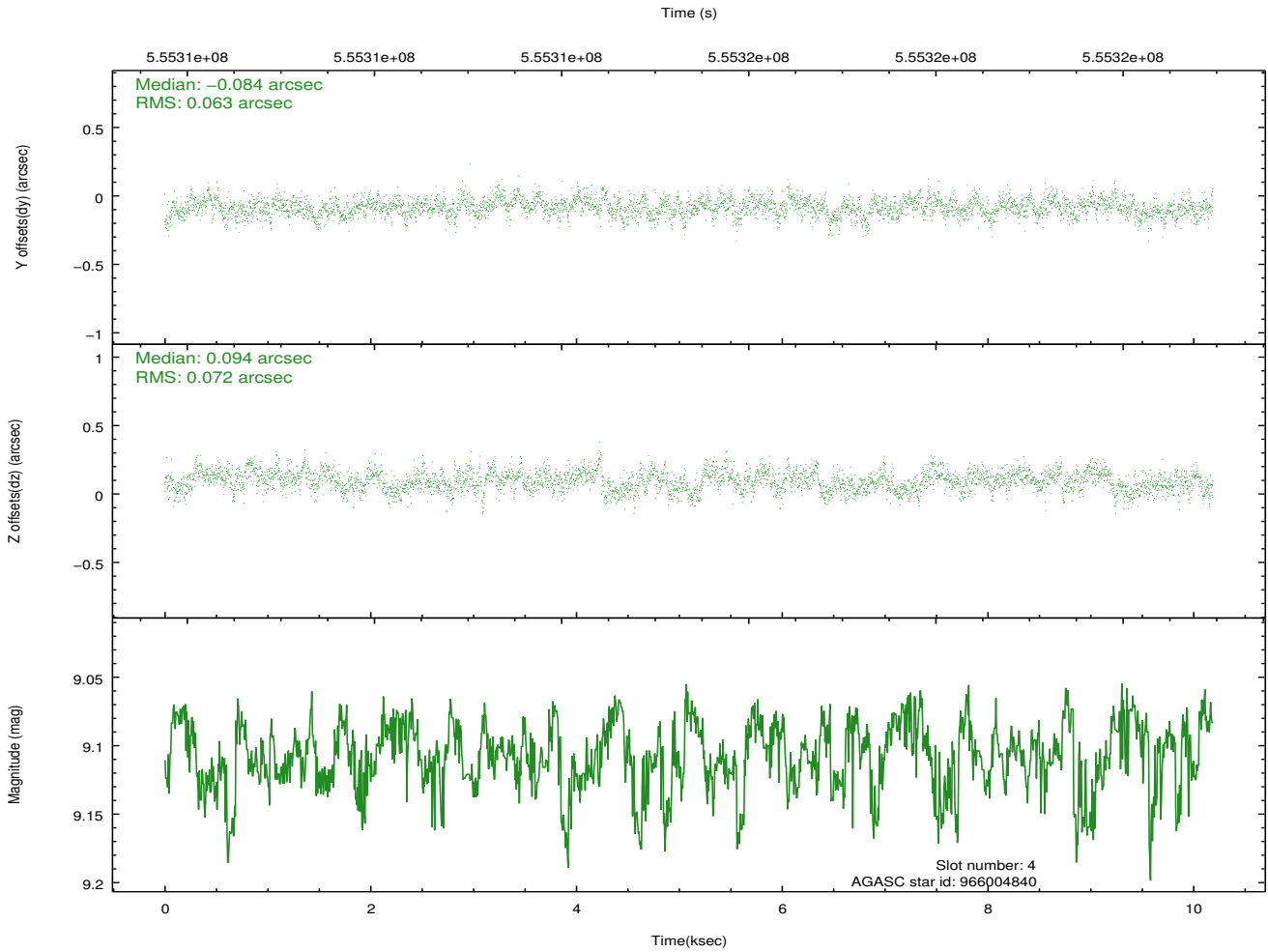
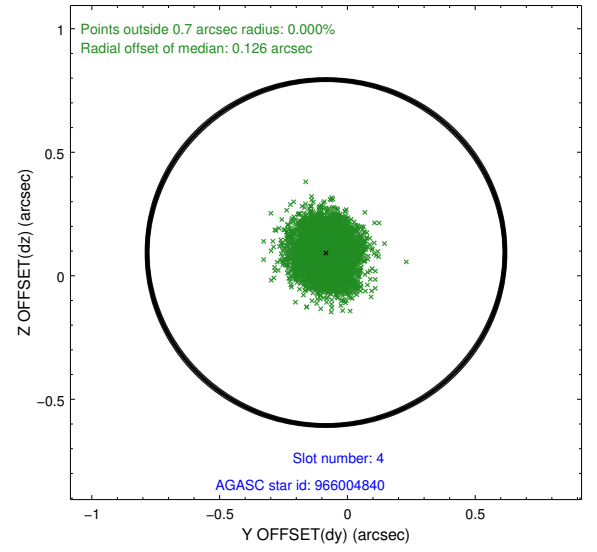
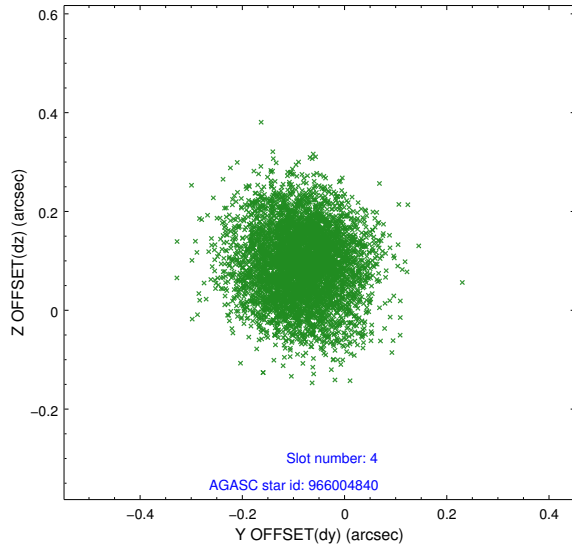
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	2485	-0.126	-0.116	0.008	0.013	0.000000	0.000000	-771.66	-1739.03
1	FID		ACIS-S-4	7.20	2485	0.379	0.092	0.007	0.014	0.000000	0.000000	2141.90	169.09
2	FID		ACIS-S-5	7.23	2485	-0.284	0.033	0.007	0.012	0.000000	0.000000	-1823.98	163.34
3	GUIDE	used	966003568	7.98	4967	0.050	-0.074	0.095	0.151	259.362539	-35.536668	1911.06	-1256.78
4	GUIDE	used	966004840	9.11	4969	-0.084	0.094	0.103	0.165	260.285639	-34.363805	-2067.55	1811.47
5	GUIDE	used	966006016	8.58	4969	-0.022	-0.033	0.081	0.134	259.344893	-34.846817	-569.25	-1111.42
6	GUIDE	used	966007016	8.87	4968	0.128	0.184	0.115	0.184	258.945683	-34.939021	-329.00	-2312.78
7	GUIDE	used	966005056	8.19	4969	-0.069	-0.172	0.088	0.141	260.445624	-35.348497	1505.61	1965.04

2.4 Star Slots

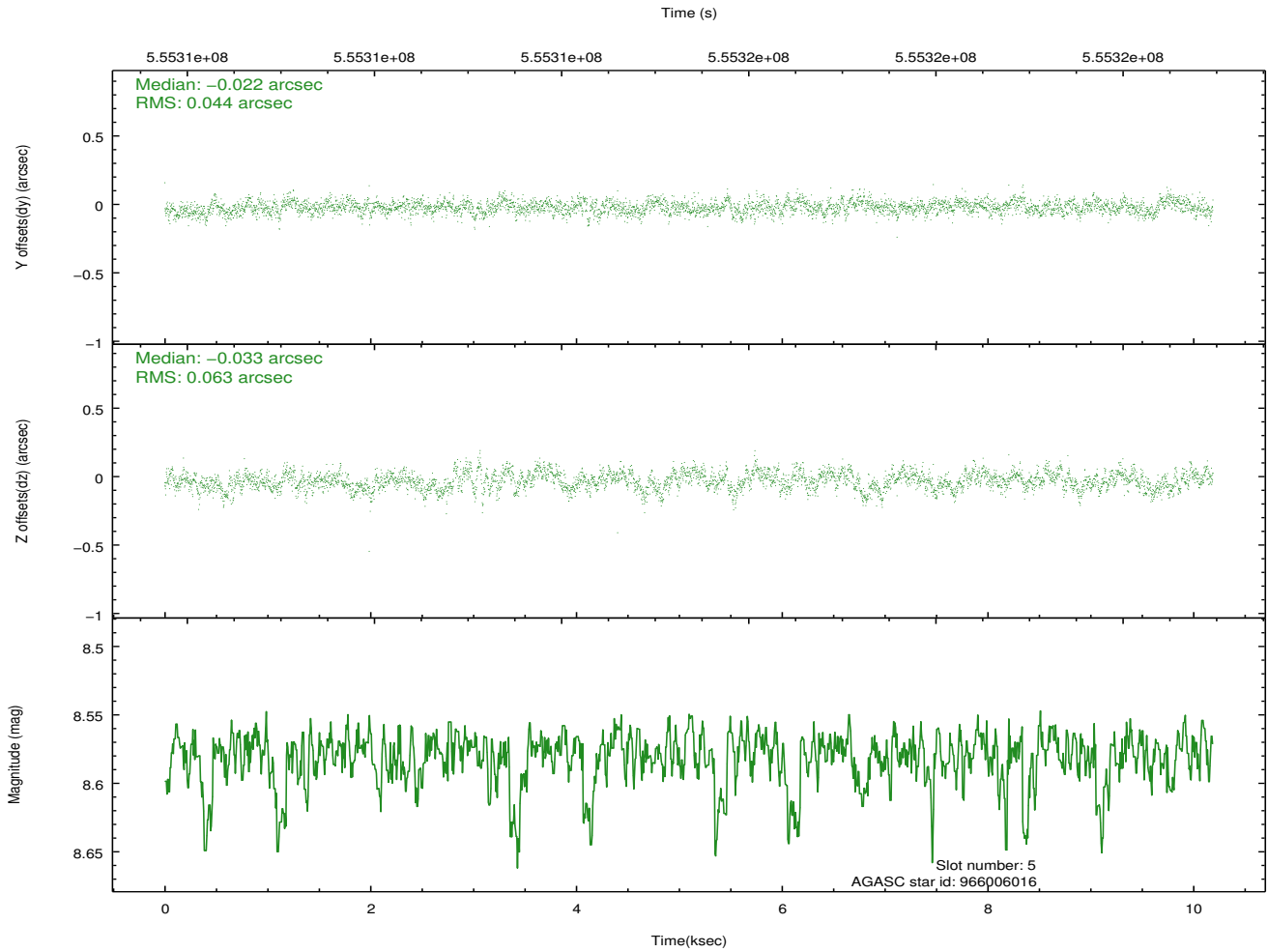
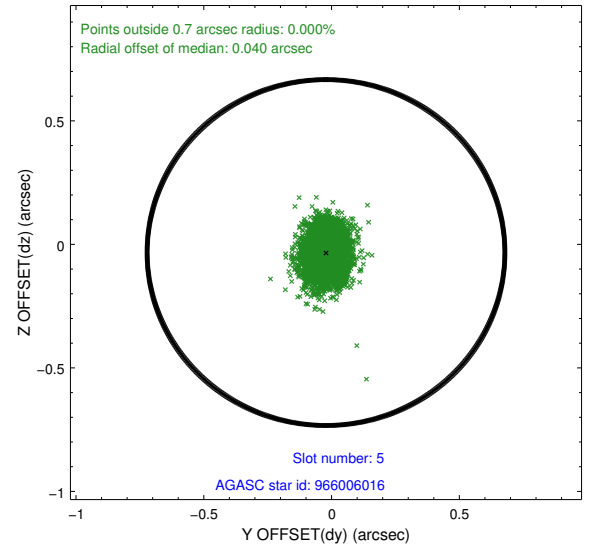
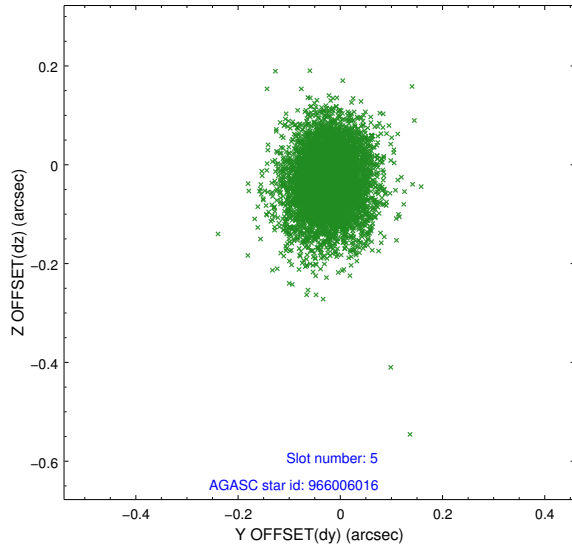
2.4.1 Slot 3



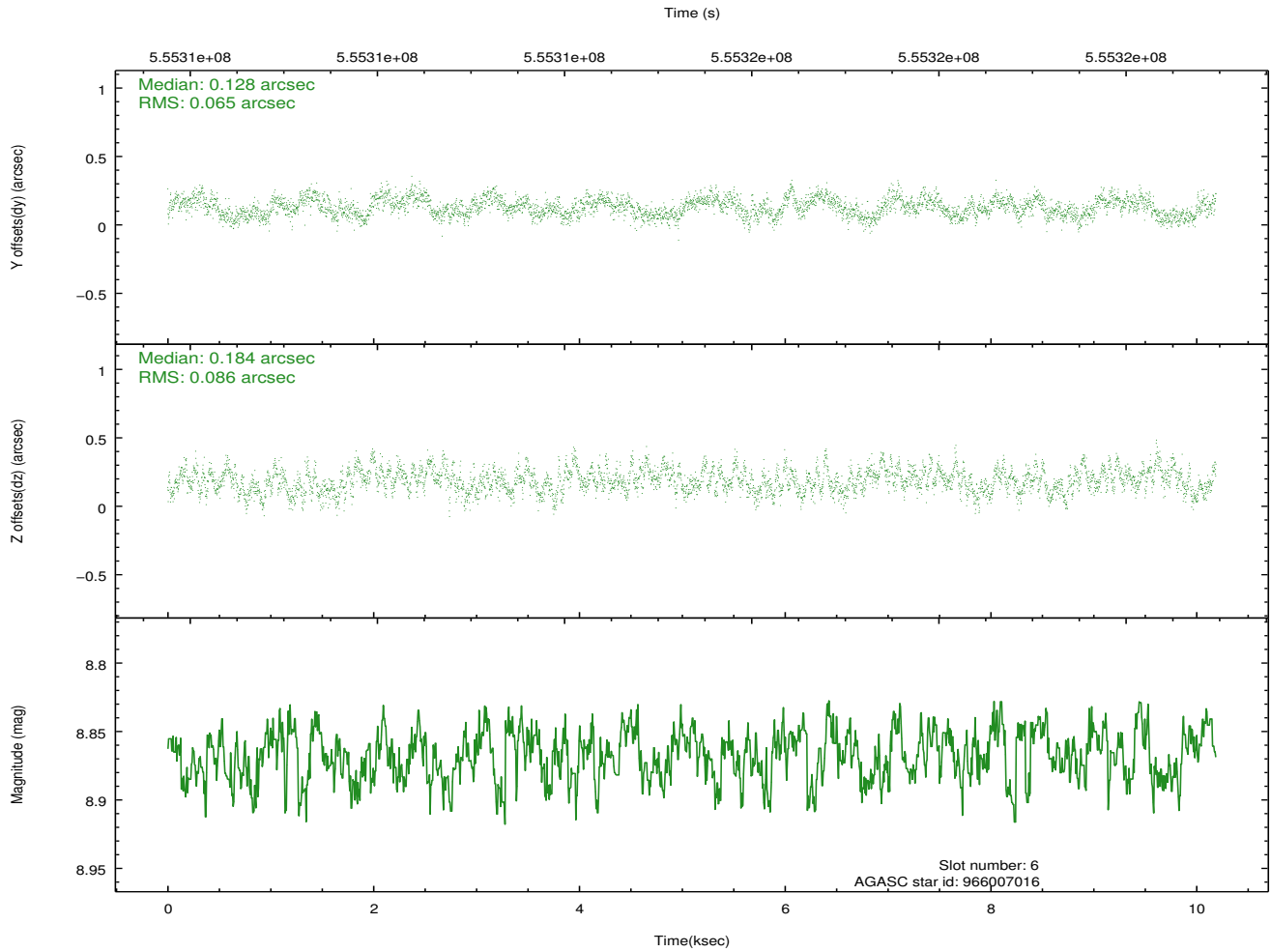
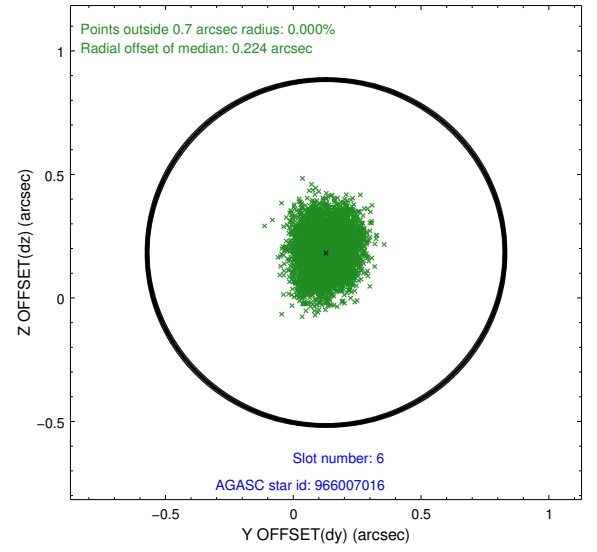
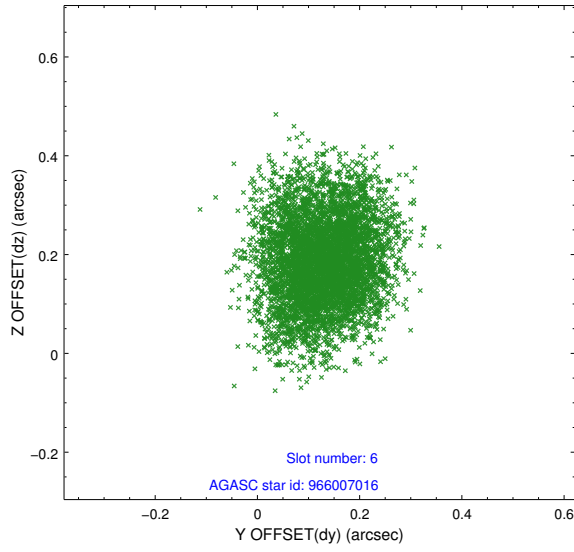
2.4.2 Slot 4



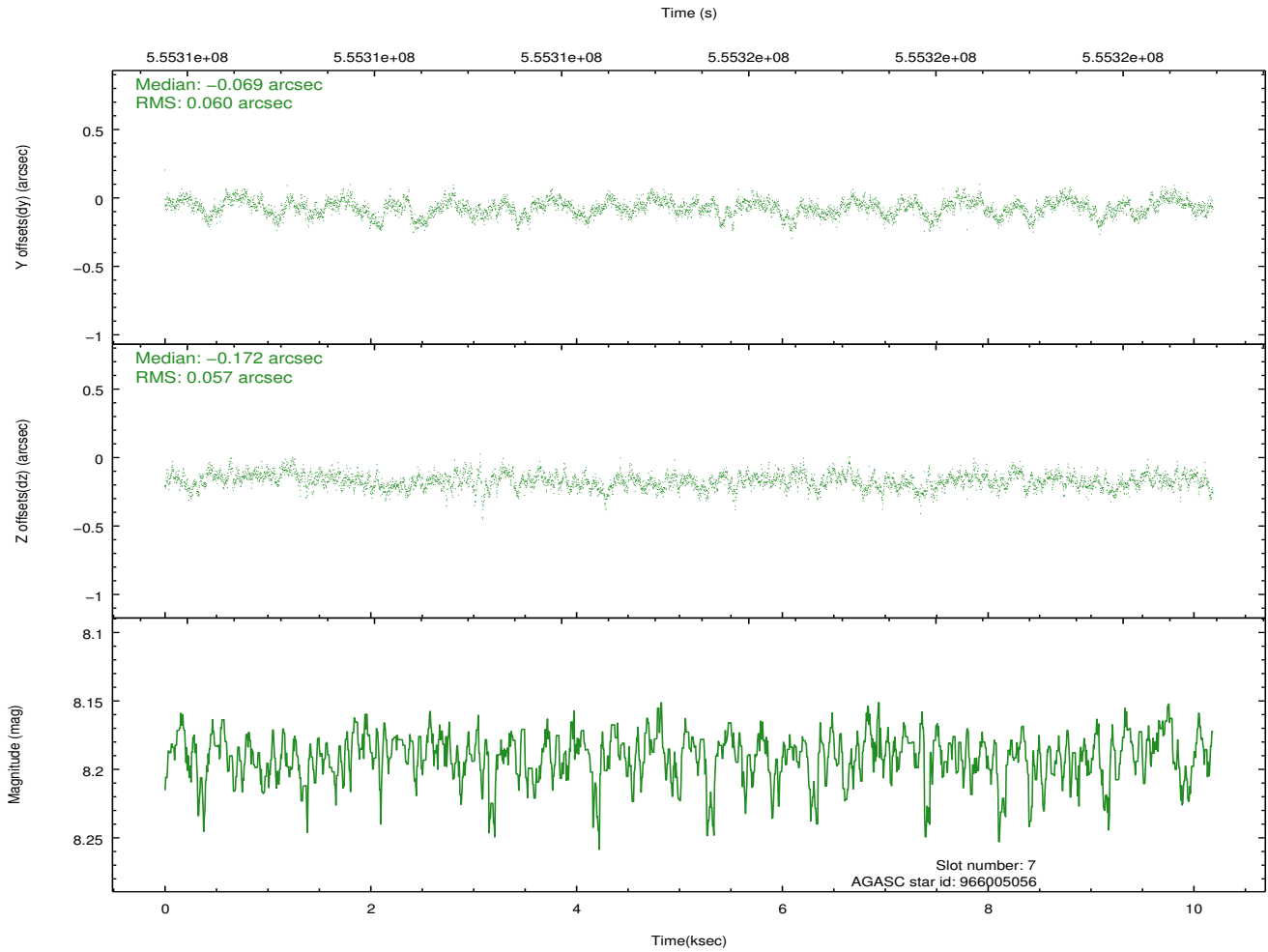
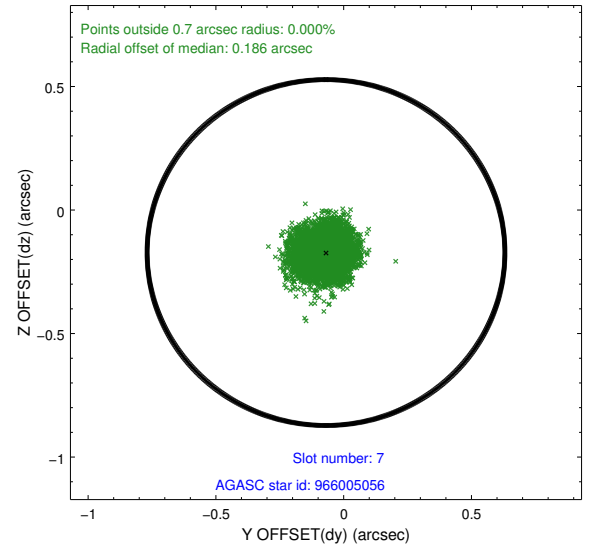
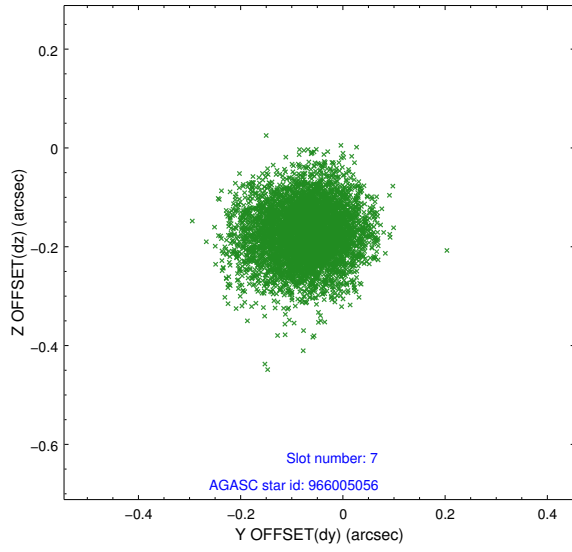
2.4.3 Slot 5



2.4.4 Slot 6

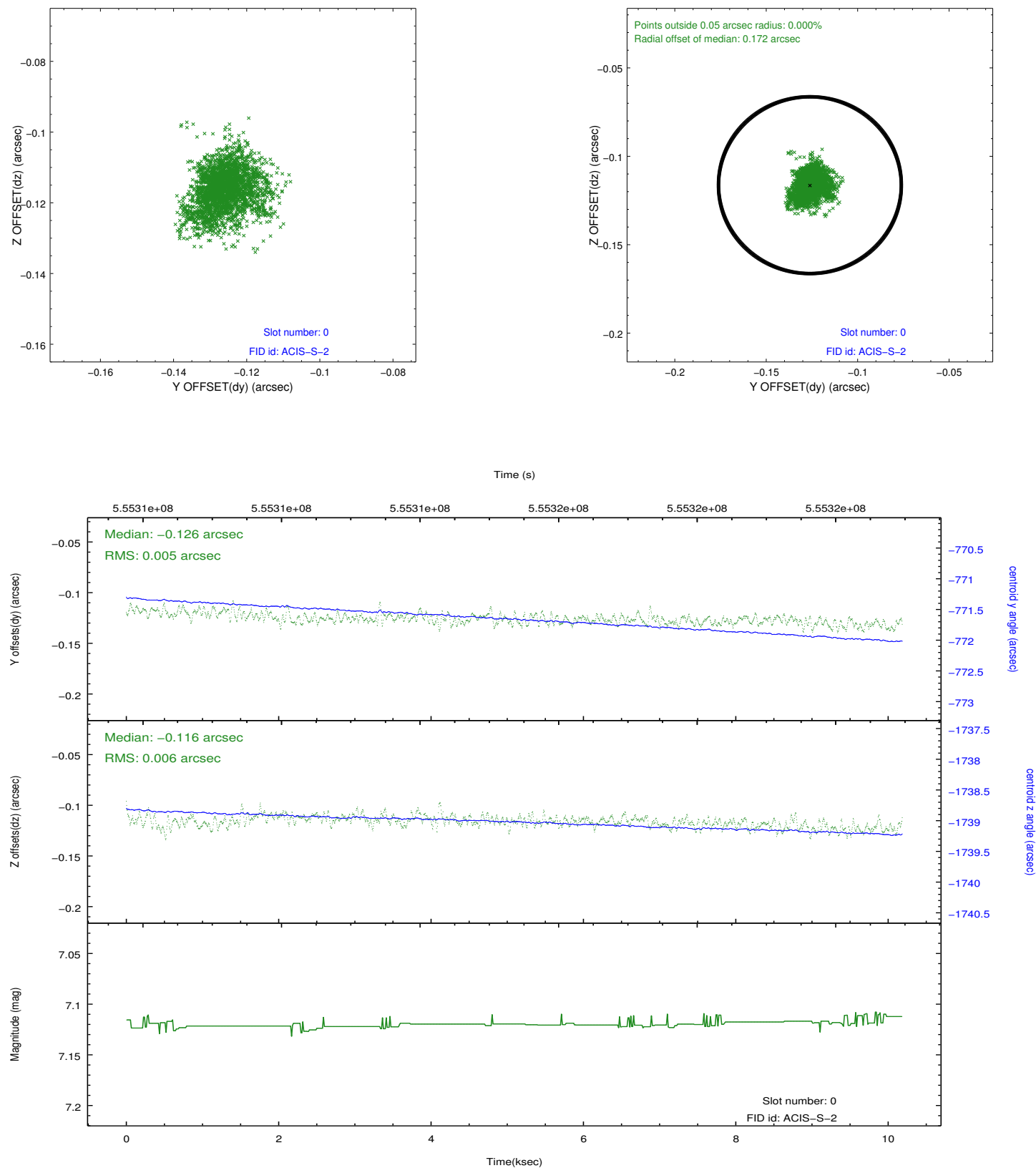


2.4.5 Slot 7

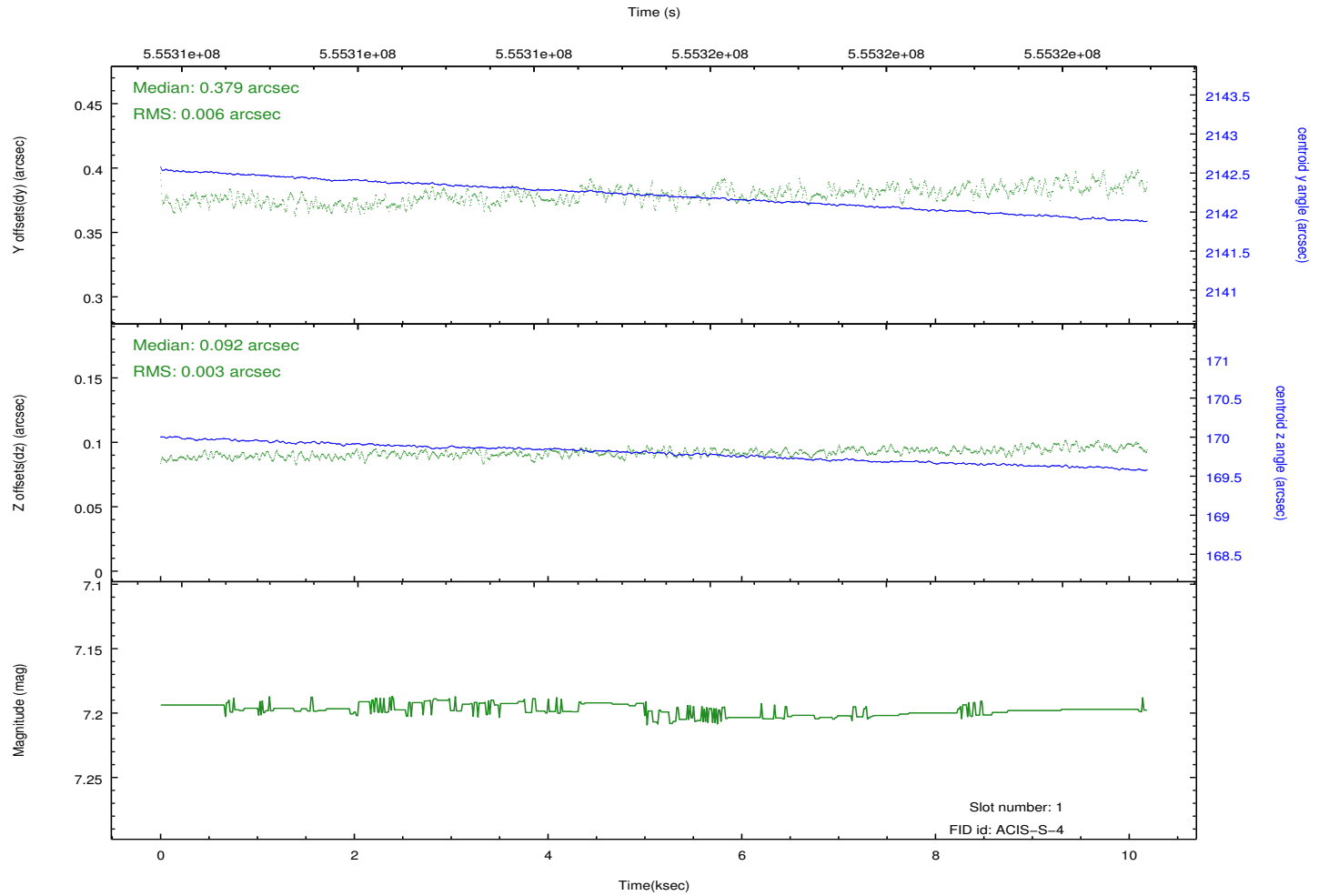
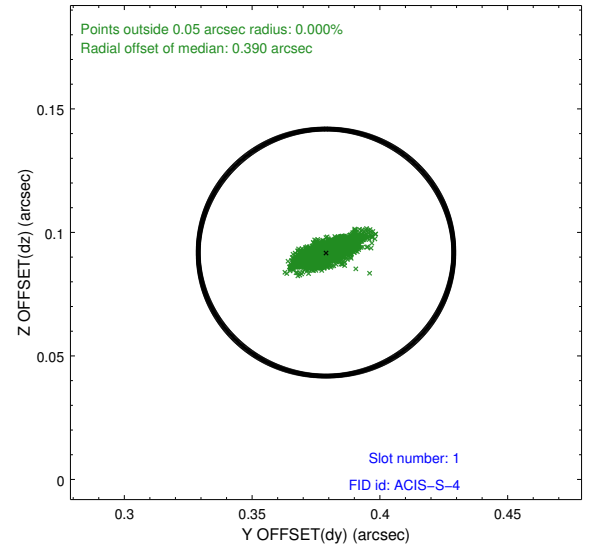
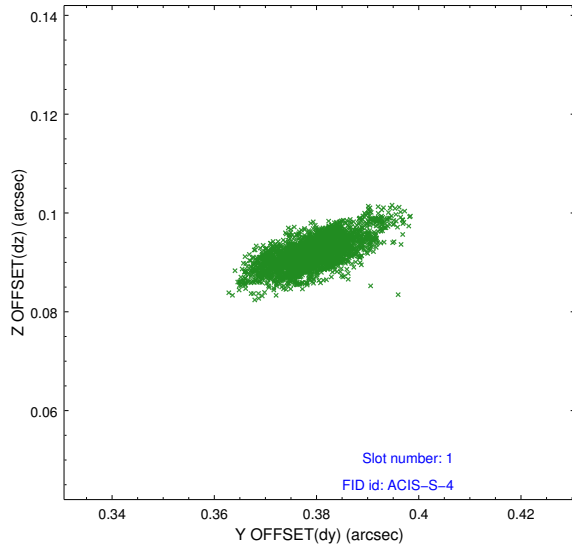


2.5 FID Slots

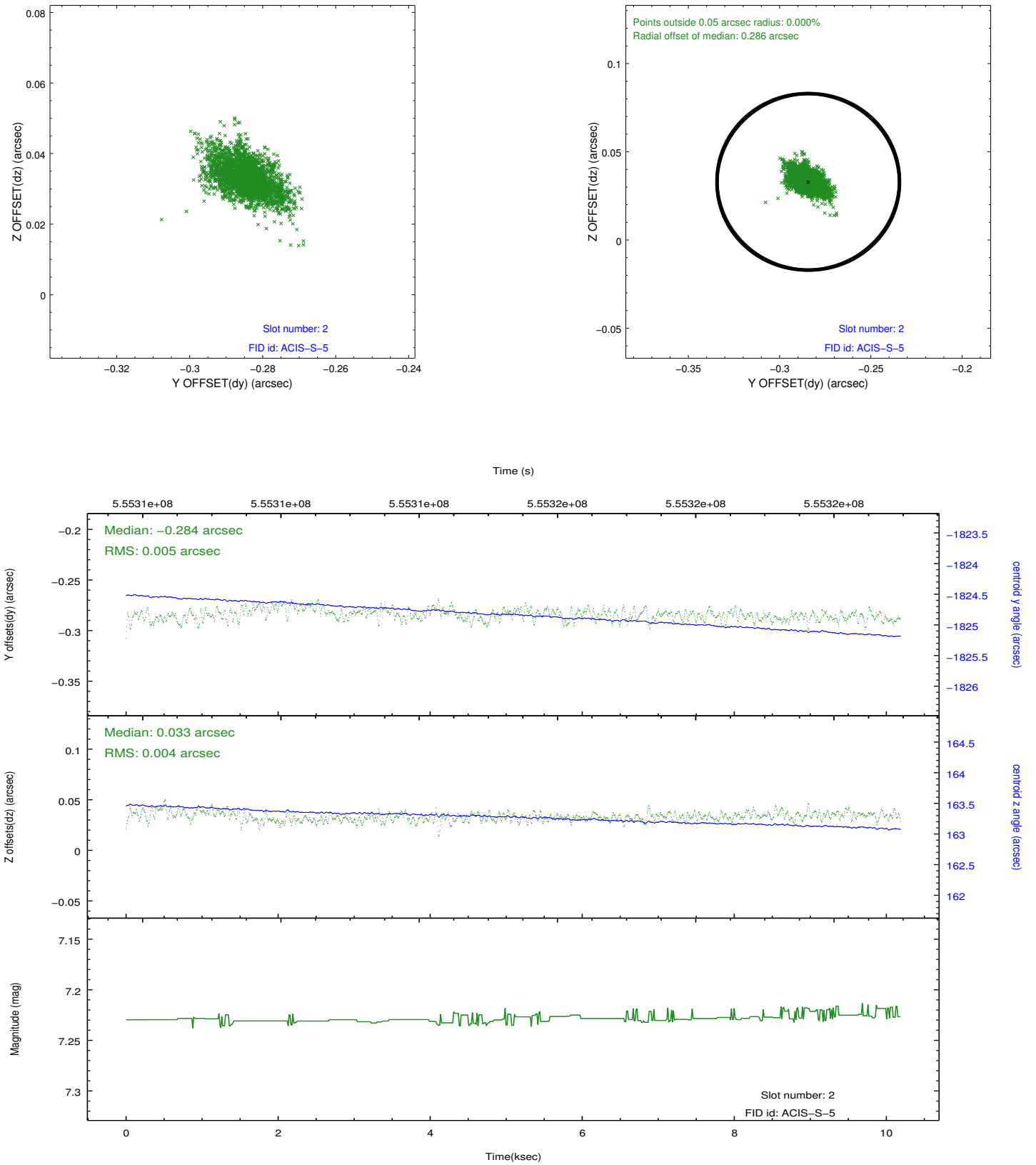
2.5.1 Slot 0



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)	2015.08.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.07119939959

A.2 Comments

Joint Proposal: CX0-HST