

V&V Reference Report

L2 ASCDS Version : 10.4

Observation 17322 - L2 Version 1
Chandra X-Ray Center

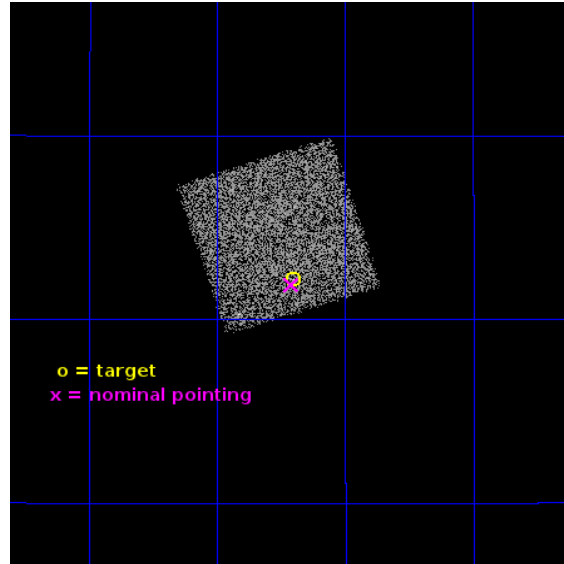
L2 Processing Date : Jun 25 2015

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1 Front

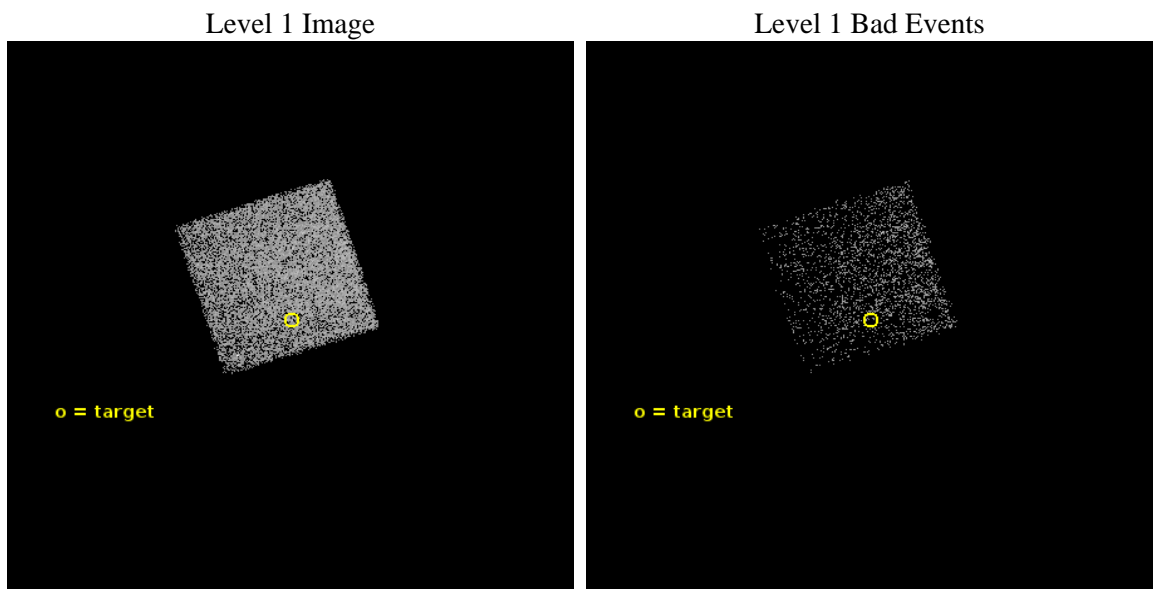
seq_num	201022	Sequence number
obs_id	17322	Observation id
title	The MUSCLES Treasury Survey: Measurements of the Ultraviolet Spectral Characteristics of Low-mass Exoplanetary Systems	Proposal title
observer	Dr. Kevin France	Principal investigator
object	GJ436	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	175.550417	Observer's specified target RA [deg]
dec_targ	26.703167	Observer's specified target Dec [deg]
ra_nom	175.55255541857	Nominal RA [deg]
dec_nom	26.698086101821	Nominal Dec [deg]
roll_nom	251.98412728764	Nominal Roll [deg]
revision	1	Processing version of data
ontime	9263.9981285334	Sum of GTIs [s]
livetime	9138.9769242102	Livetime [s]
ontime7	9263.9981285334	Sum of GTIs [s]
l2events	15161	Number of level 2 events



2 OBI

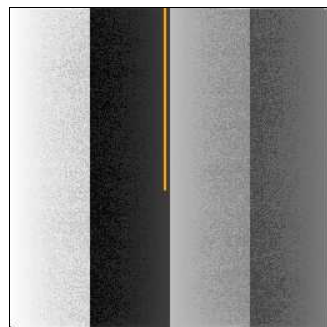
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.4	Processing system revision	ontime	9263.9981285334	Sum of GTIs [s]
caldsver	4.6.7	 	ontime7	9263.9981285334	Sum of GTIs [s]
date	2015-06-25T16:42:25	Date and time of file creation	l1events	27536	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	27536
rejected events	11821
rejected %	42%

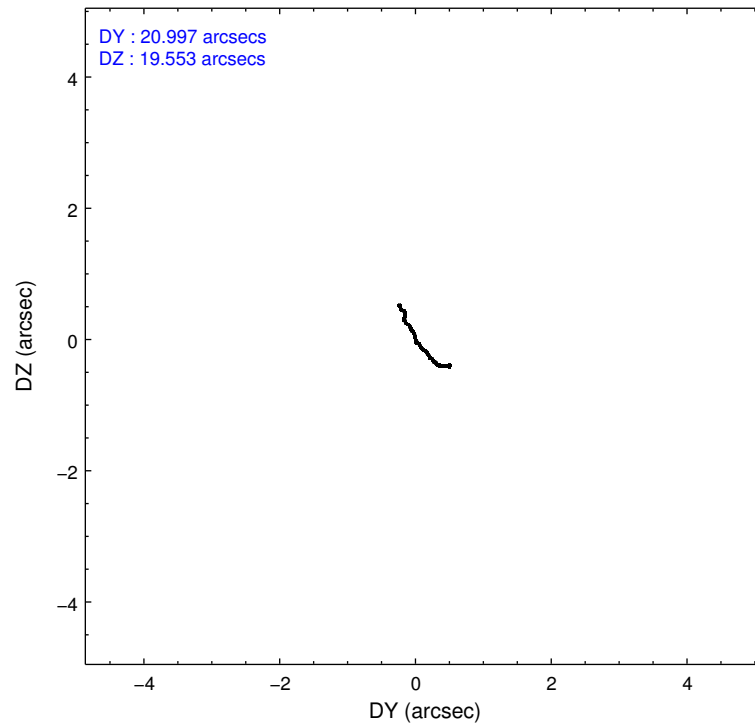
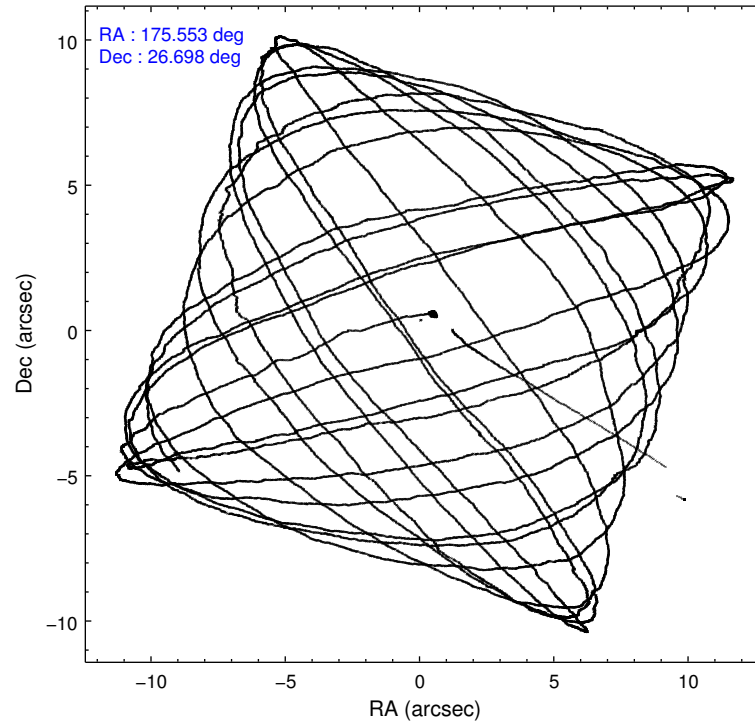
	ccd 7
grade 0 events	2062
	7%
grade 1 events	92
	0%
grade 2 events	4146
	15%
grade 3 events	1442
	5%
grade 4 events	1477
	5%
grade 5 events	2698
	9%
grade 6 events	6604
	23%
grade 7 events	9015
	32%

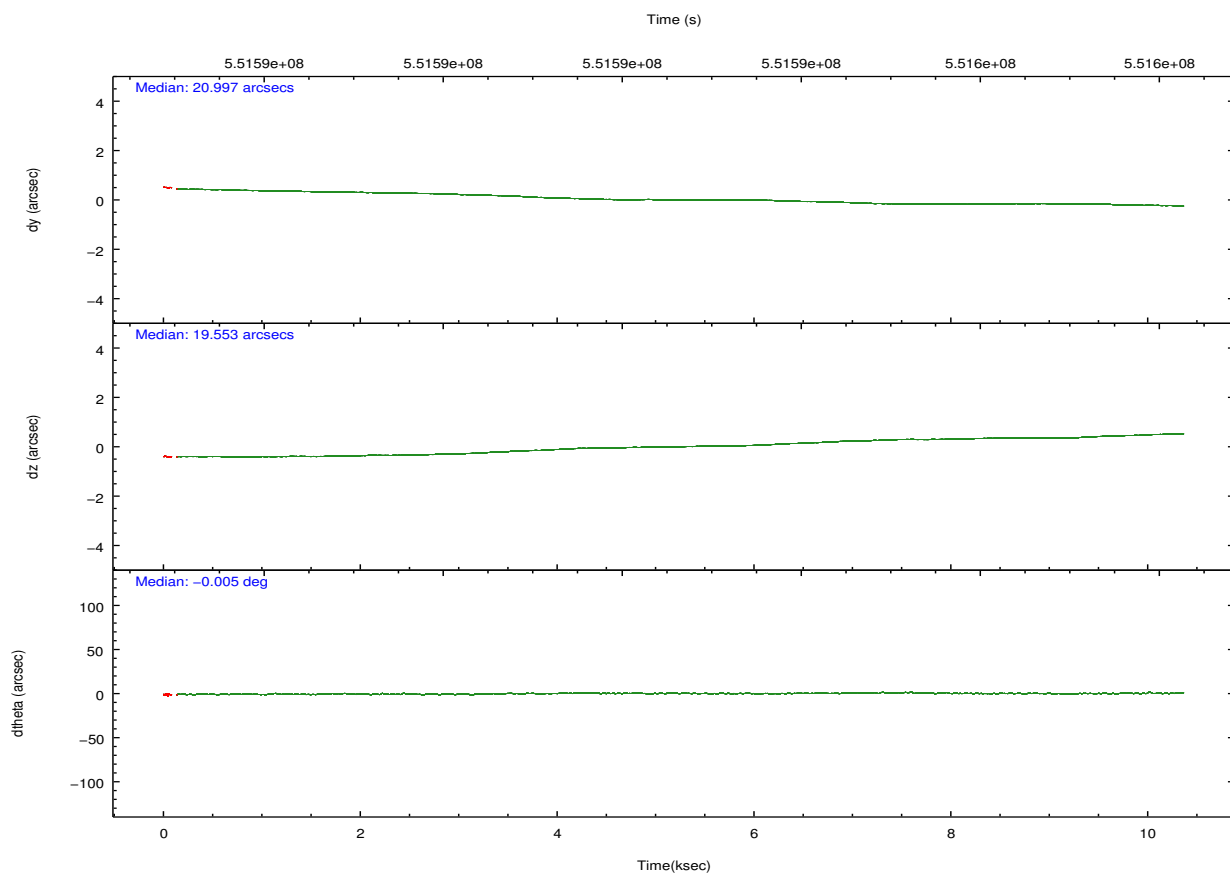
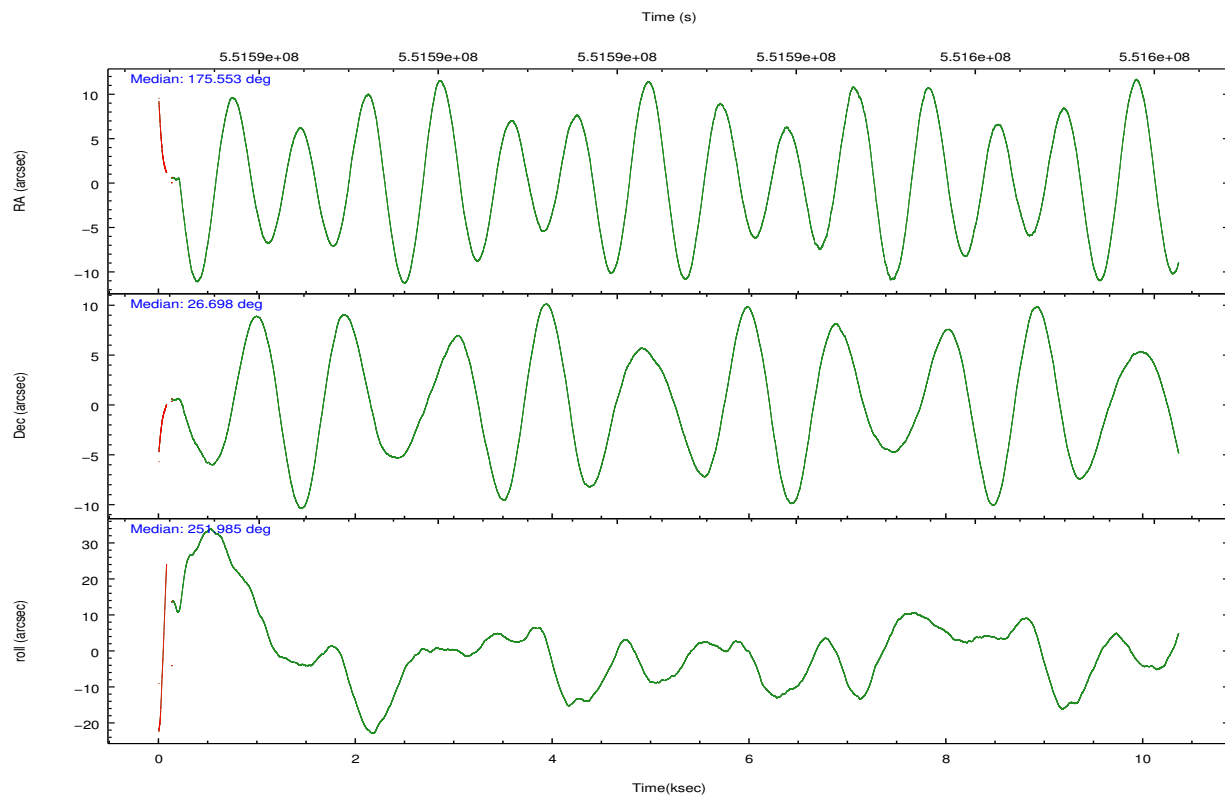
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	175.545824	175.5525554185661
[deg] Pointing Dec	26.724860	26.69808610182129
[deg] Pointing Roll	251.830594	251.9841272876388
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1400660498719
[mm] SIM translation stage offset	0	0.00754346686406393
[s] Observation start time (MET)	551587757.184000	551586478.6864901
Observation start date	2015-06-25T02:48:10	2015-06-25T02:27:58
[s] Observation end time (MET)	551597757.184000	551598754.5996799
Observation end date	2015-06-25T05:34:50	2015-06-25T05:52:34
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3

2.3 Aspect



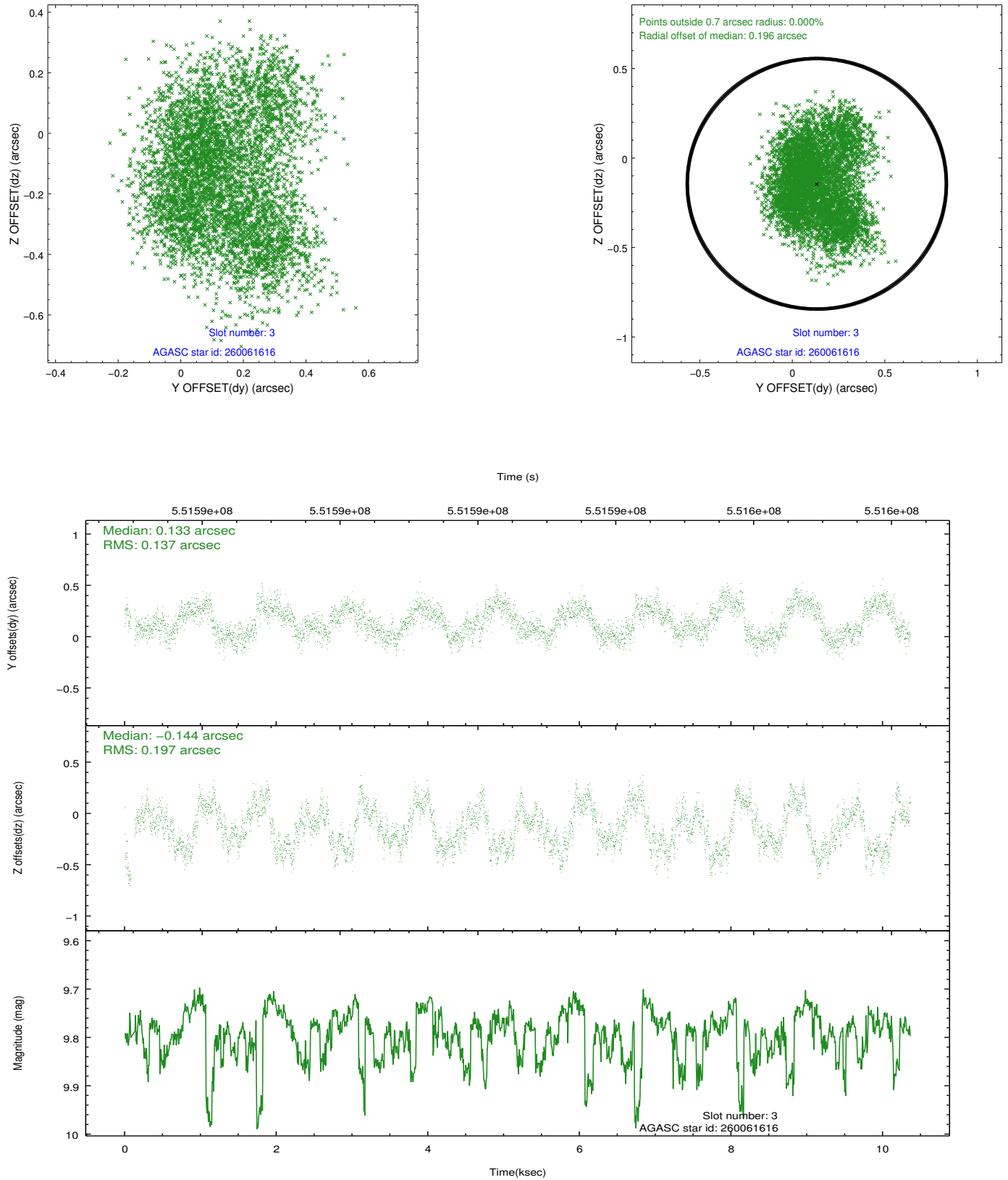


Slot Statistics

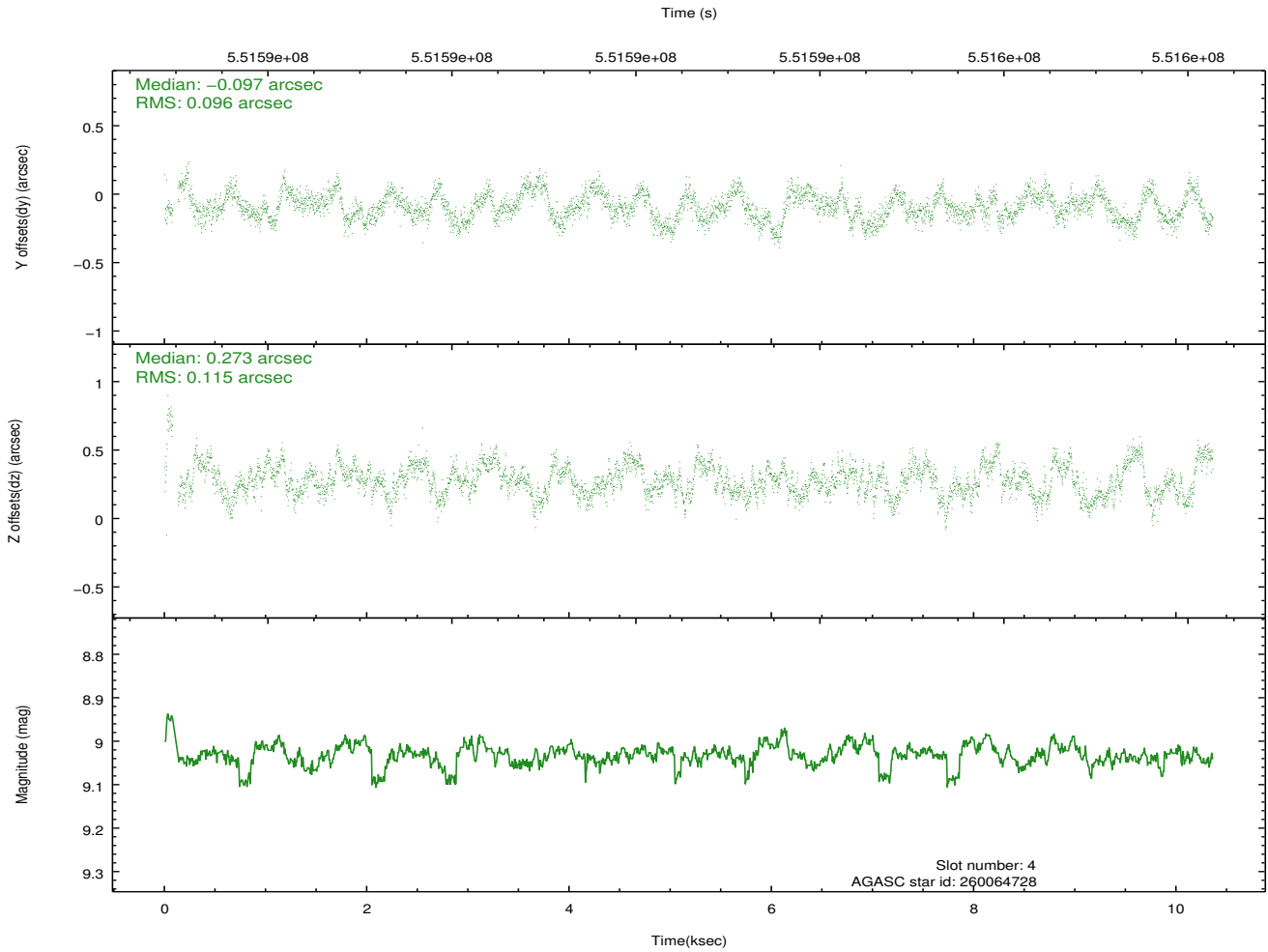
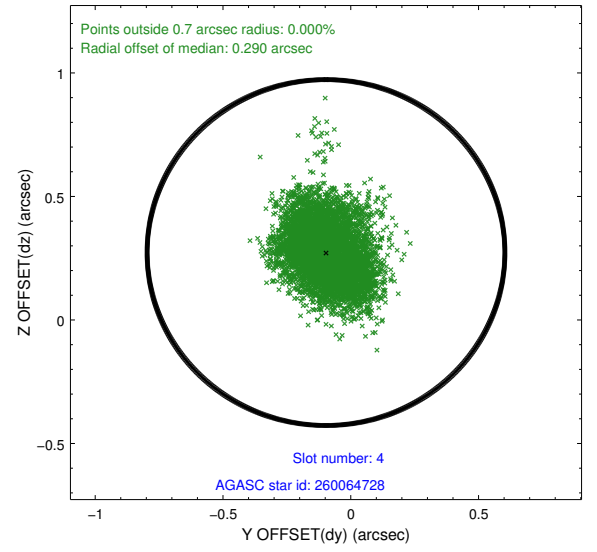
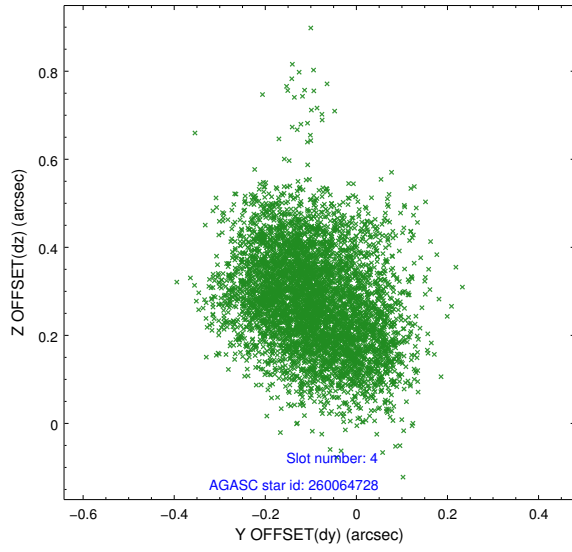
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.97	2515	-0.167	-0.089	0.010	0.015	0.000000	0.000000	-774.33	-1741.15
1	FID		ACIS-S-4	7.07	2516	0.366	0.104	0.006	0.010	0.000000	0.000000	2139.22	167.02
2	FID		ACIS-S-5	7.07	2516	-0.231	-0.007	0.011	0.017	0.000000	0.000000	-1826.61	161.12
3	GUIDE	used	260061616	9.79	5023	0.133	-0.144	0.262	0.397	175.767684	26.863293	-695.91	521.47
4	GUIDE	used	260064728	9.03	5027	-0.097	0.273	0.161	0.250	175.679144	27.248869	-1923.86	-184.45
5	GUIDE	used	260064920	9.81	5022	0.187	0.063	0.307	0.495	175.209684	27.211295	-1328.26	-1568.56
6	GUIDE	used	260449032	10.06	4984	-0.227	-0.207	0.224	0.376	176.116728	26.411643	493.23	2098.97
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

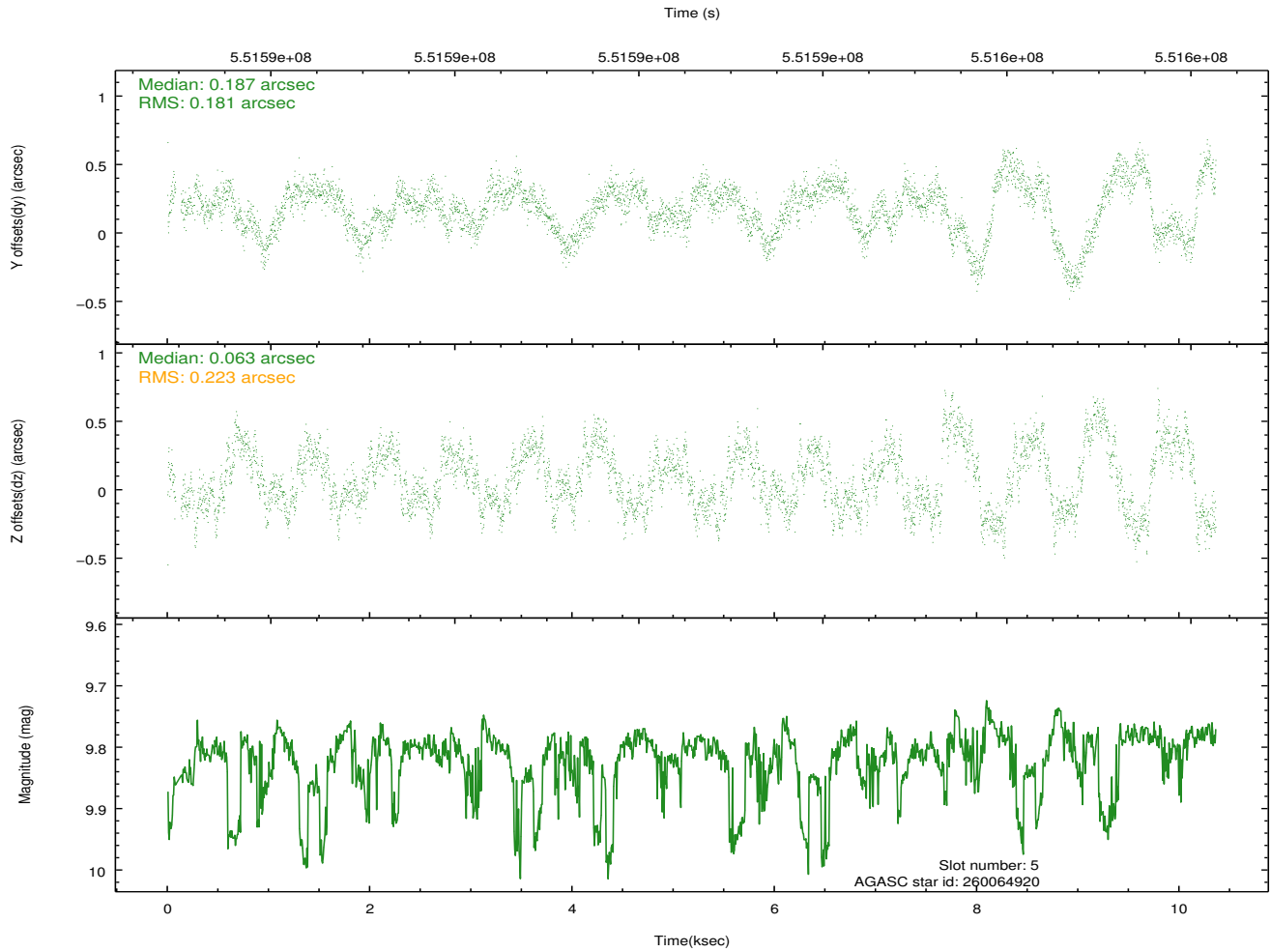
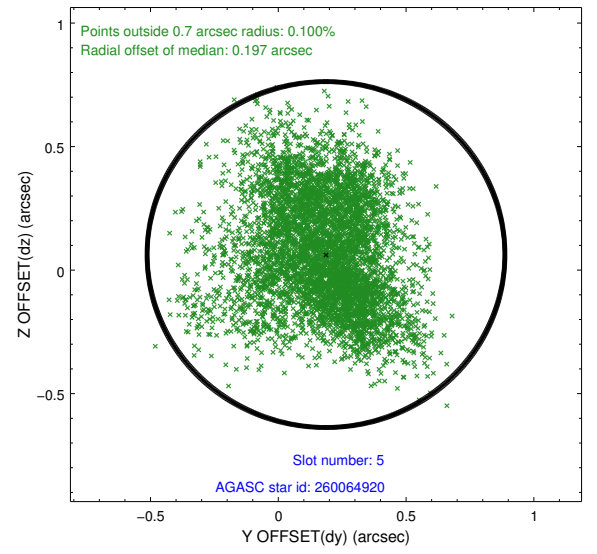
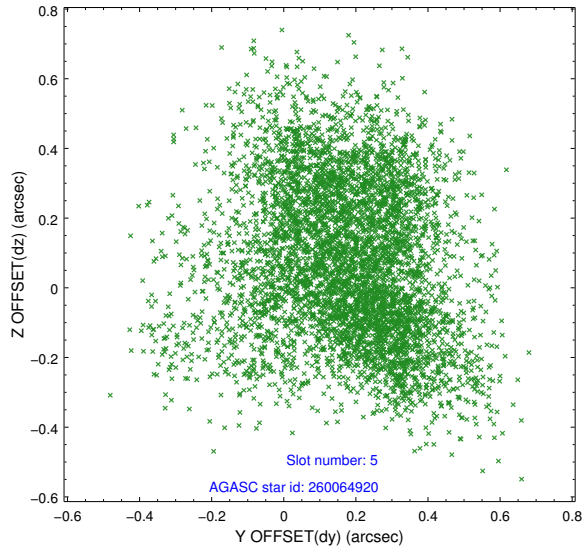
2.4.1 Slot 3



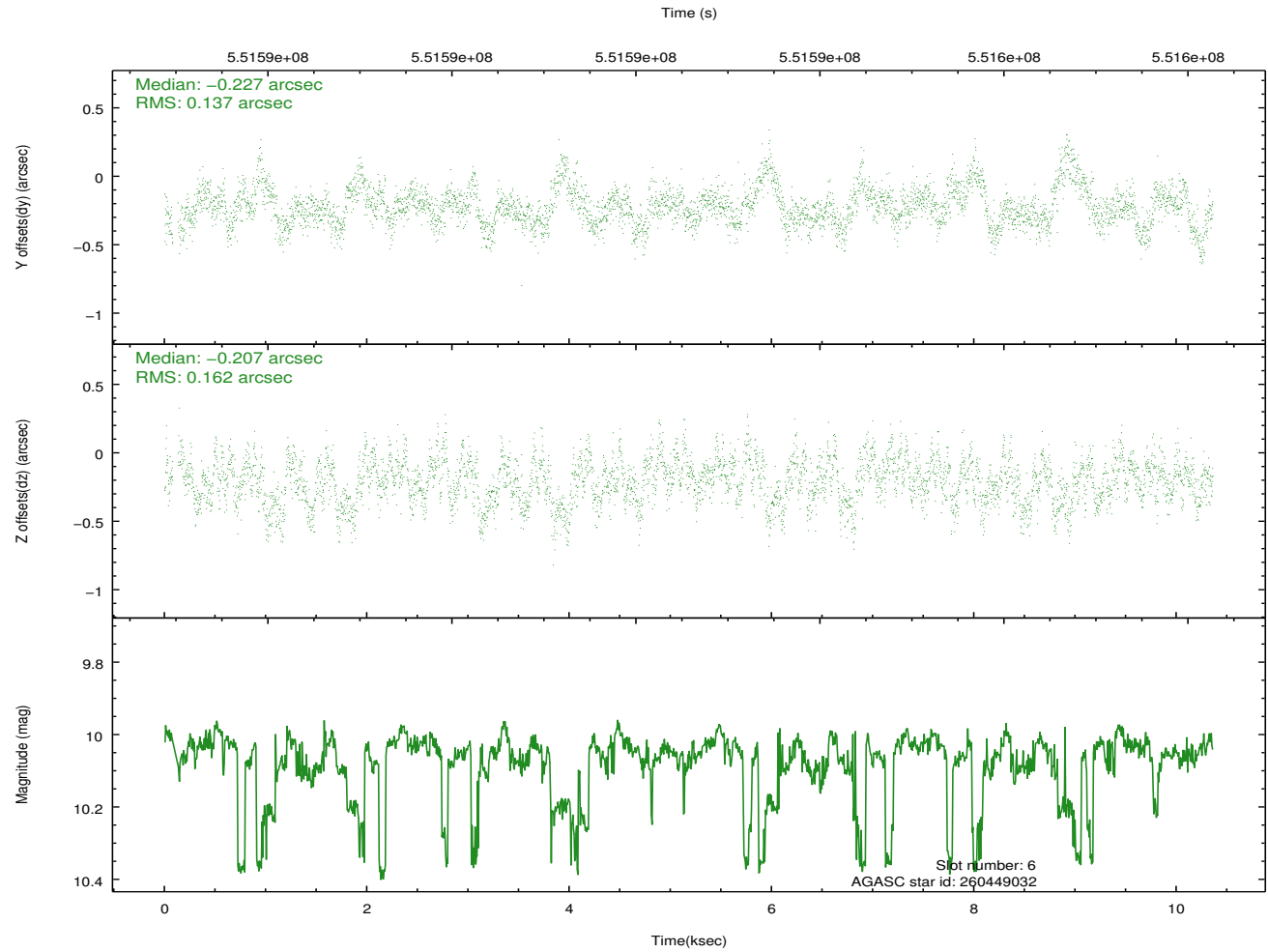
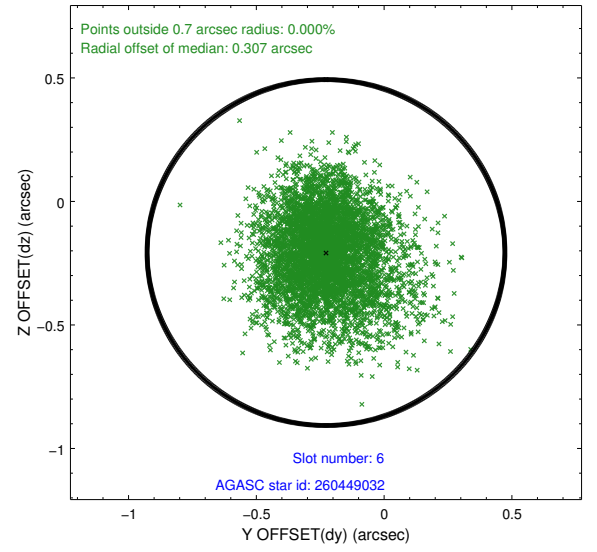
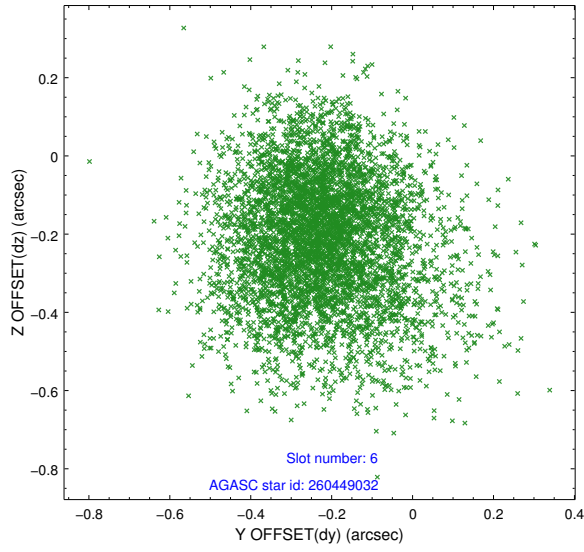
2.4.2 Slot 4



2.4.3 Slot 5

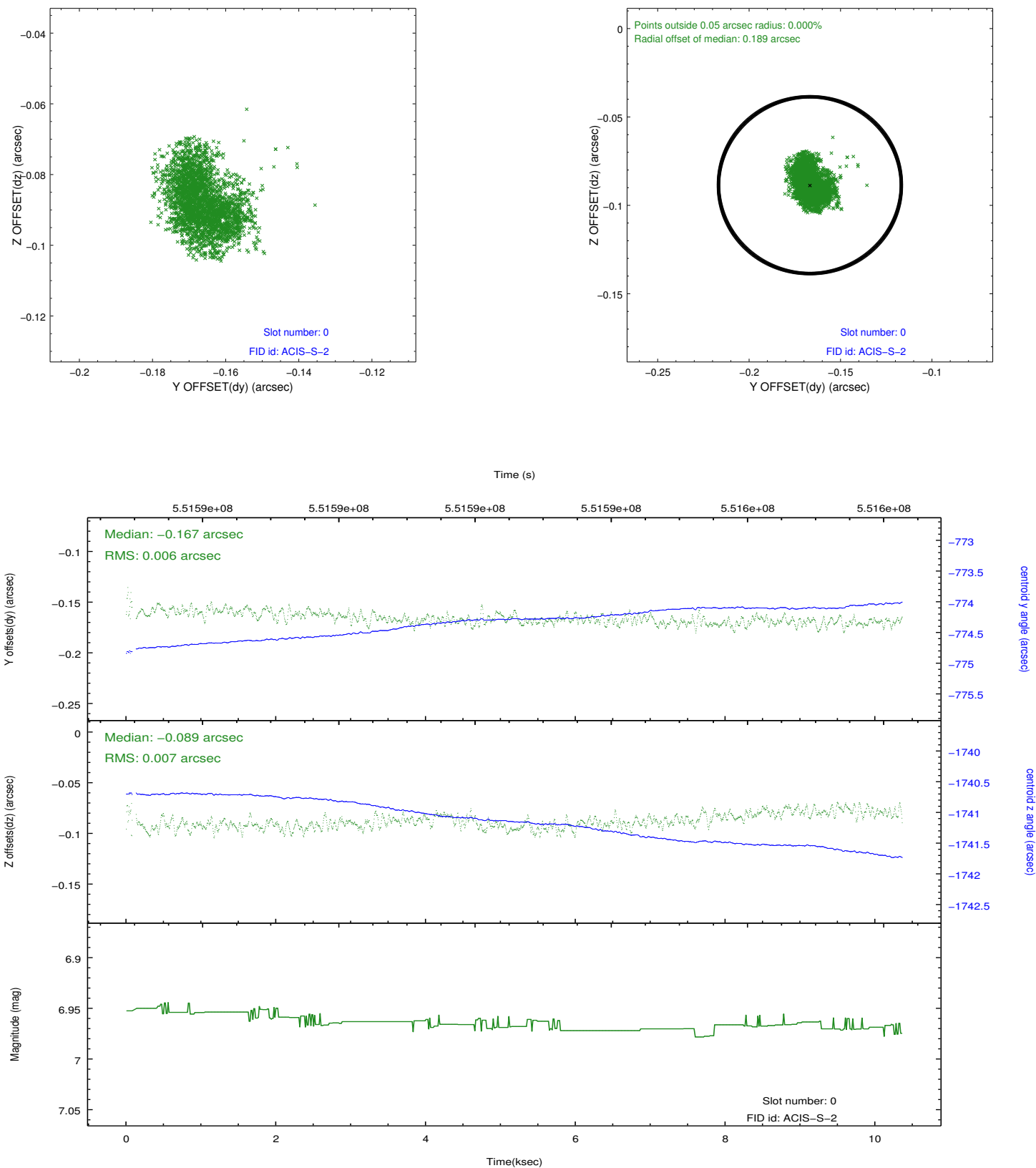


2.4.4 Slot 6

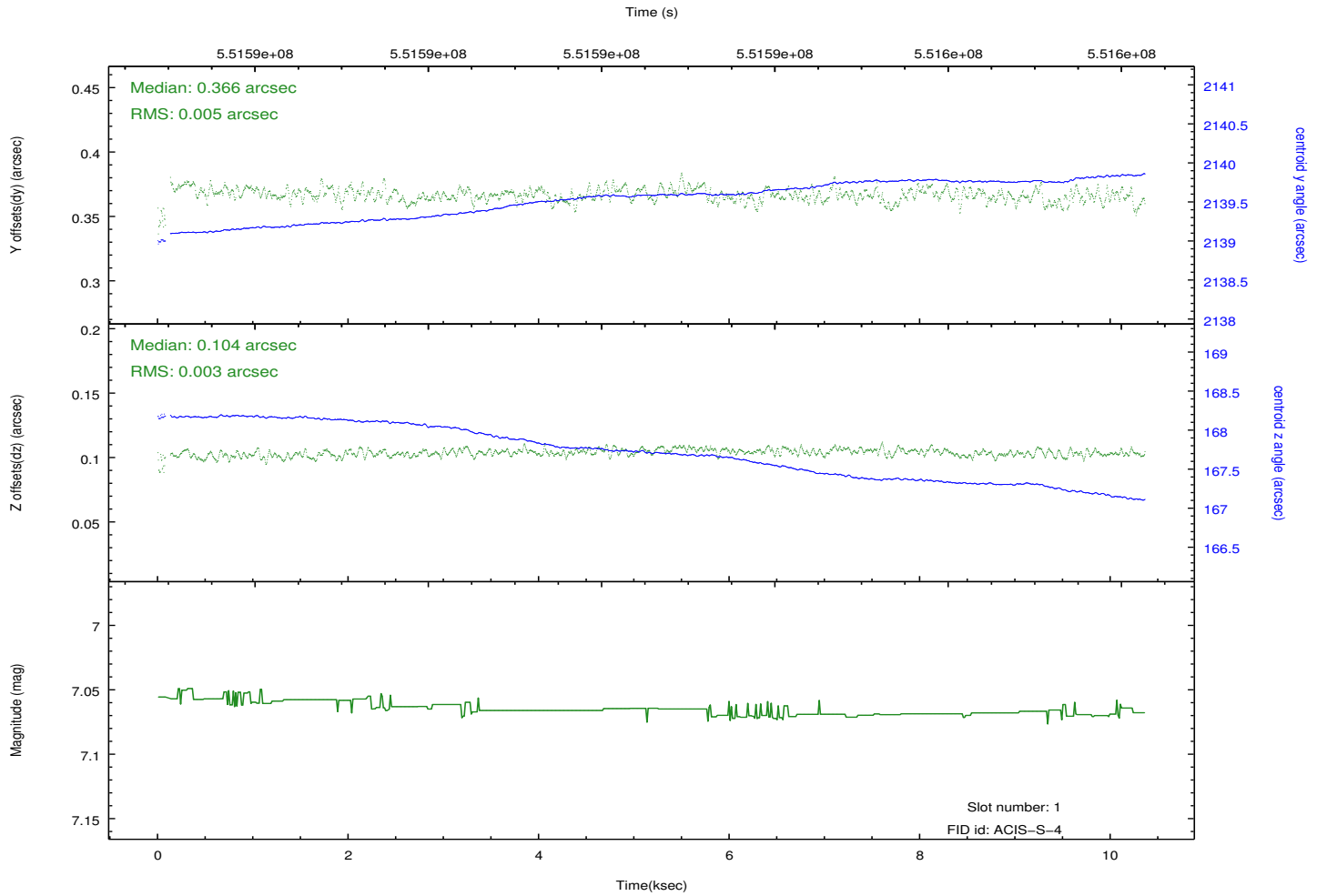
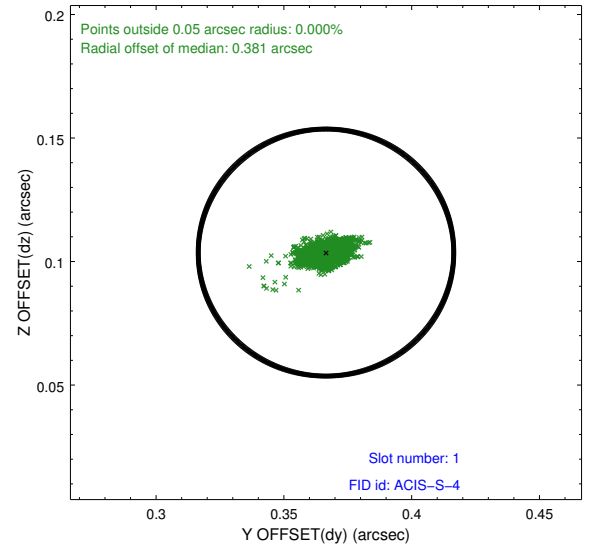
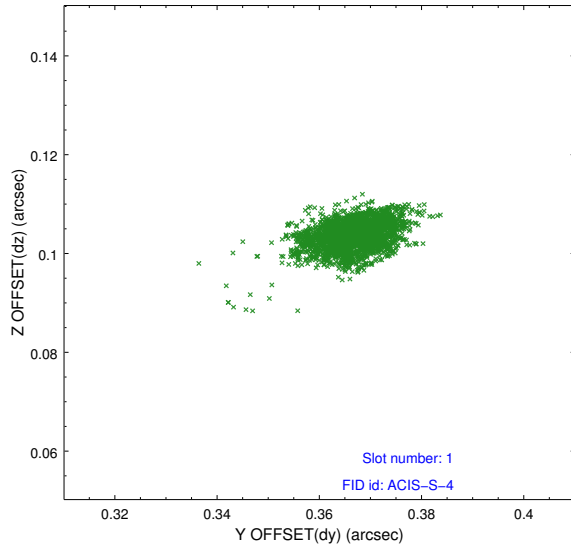


2.5 FID Slots

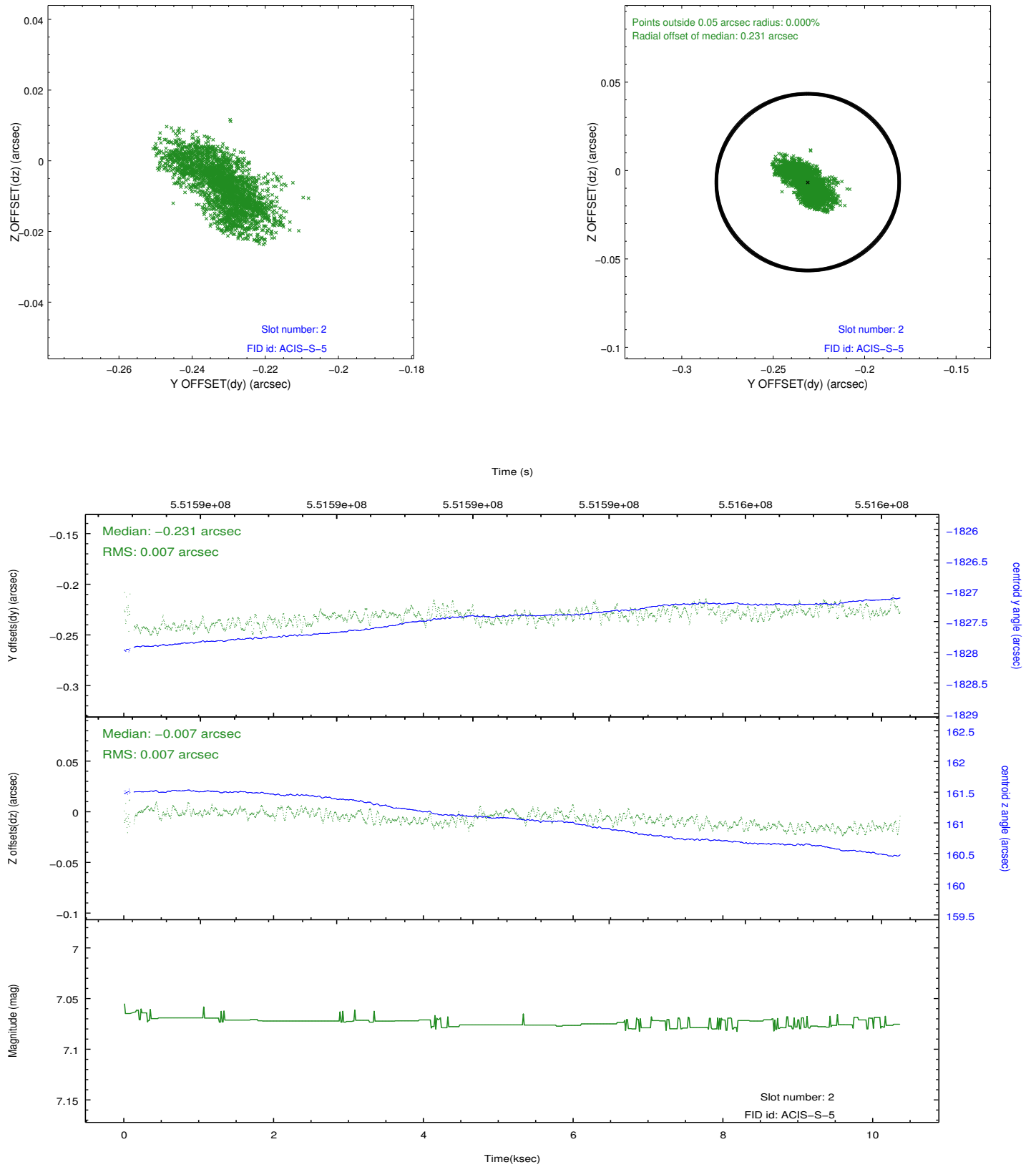
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.2639981285334

A.2 Comments

Joint Proposal: CX0-HST