

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 20617 - L2 Version 1
Chandra X-Ray Center

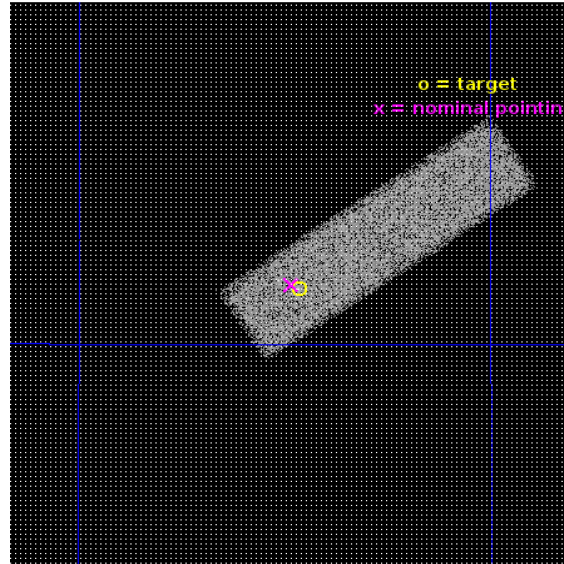
L2 Processing Date : Feb 13 2019

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1 Front

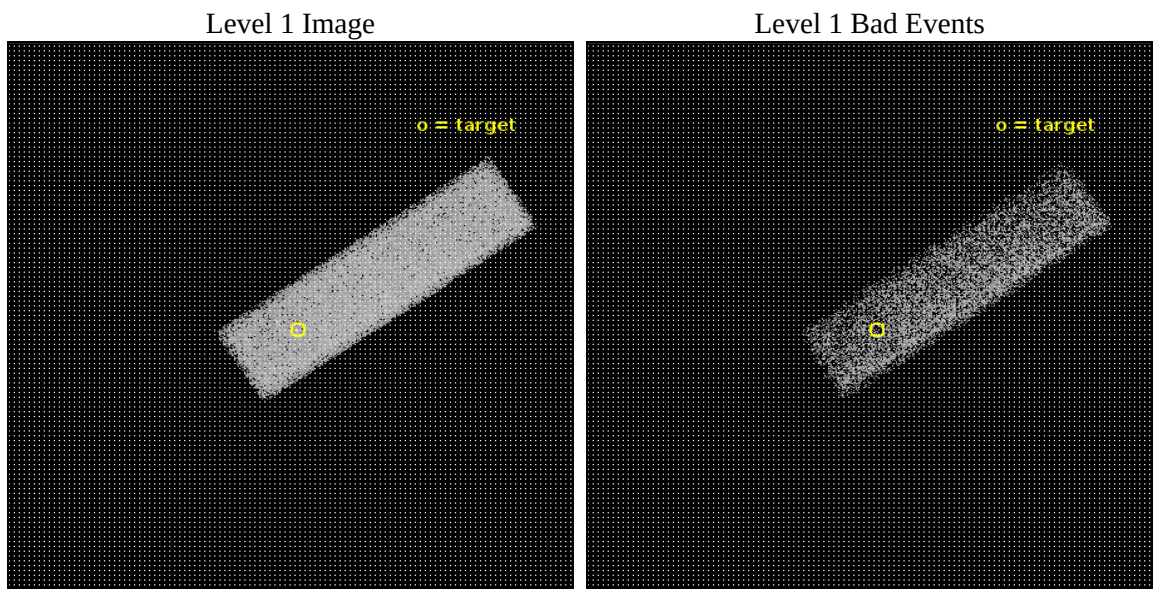
seq_num	201189	Sequence number
obs_id	20617	Observation id
title	Mega-MUSCLES Treasury Survey: Measurements of the Ultraviolet Spectral Characteristics of Low-mass Exoplanetary Systems	Proposal titl
observer	Cynthia Froning	Principal investigator
object	GJ15A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	4.615833	Observer's specified target RA [deg]
dec_targ	44.025056	Observer's specified target Dec [deg]
ra_nom	4.620702575675	Nominal RA [deg]
dec_nom	44.026936483663	Nominal Dec [deg]
roll_nom	326.15322604667	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25060.451007128	Sum of GTIs [s]
livetime	23837.582999266	Livetime [s]
ontime7	25060.451007128	Sum of GTIs [s]
l2events	29446	Number of level 2 events



2 OBI

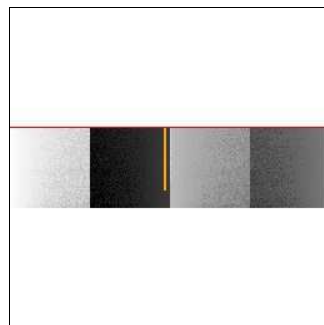
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	25060.451007128	Sum of GTIs [s]
caldsver	4.8.2	 	ontime7	25060.451007128	Sum of GTIs [s]
date	2019-02-13T05:49:53	Date and time of file creation	l1events	62520	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

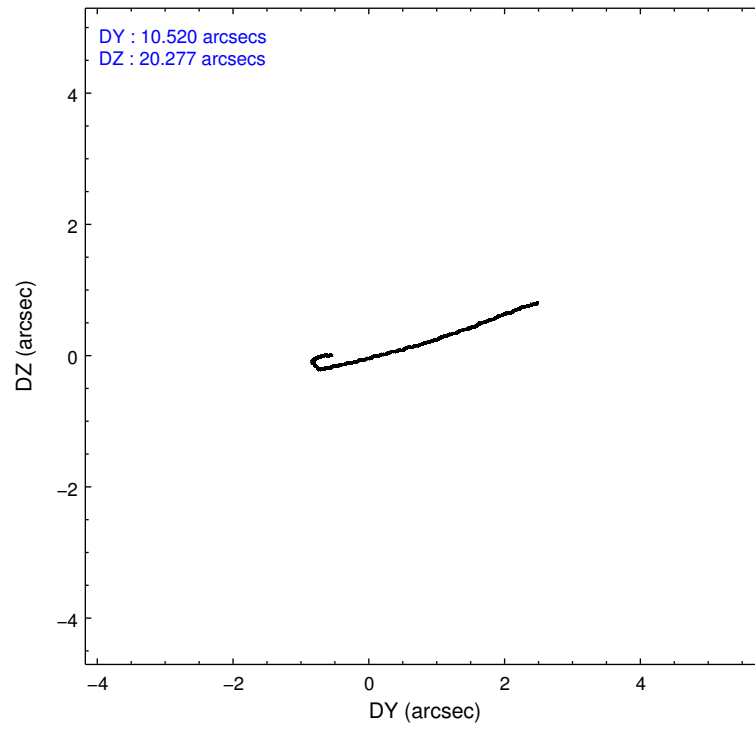
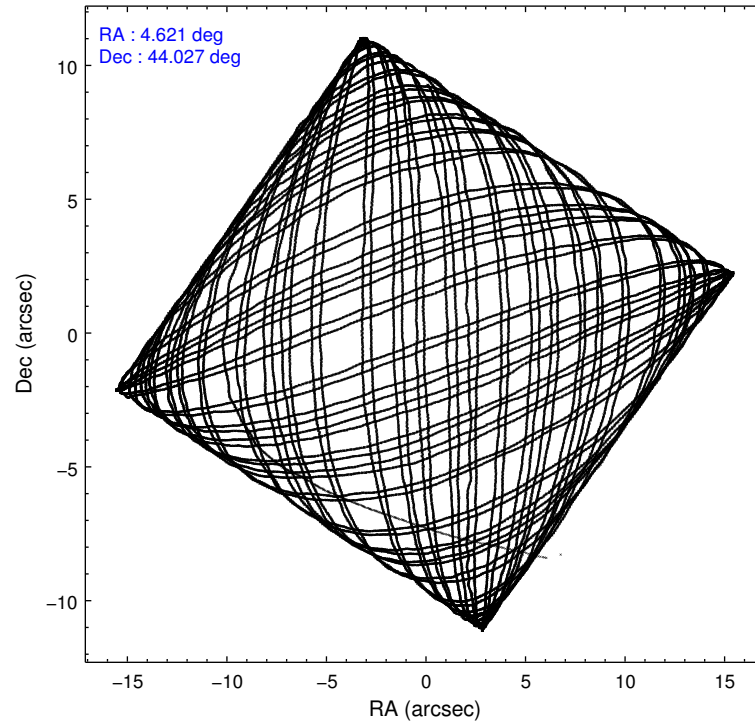
	ccd 7
level 1 events	62520
rejected events	32089
rejected %	51%

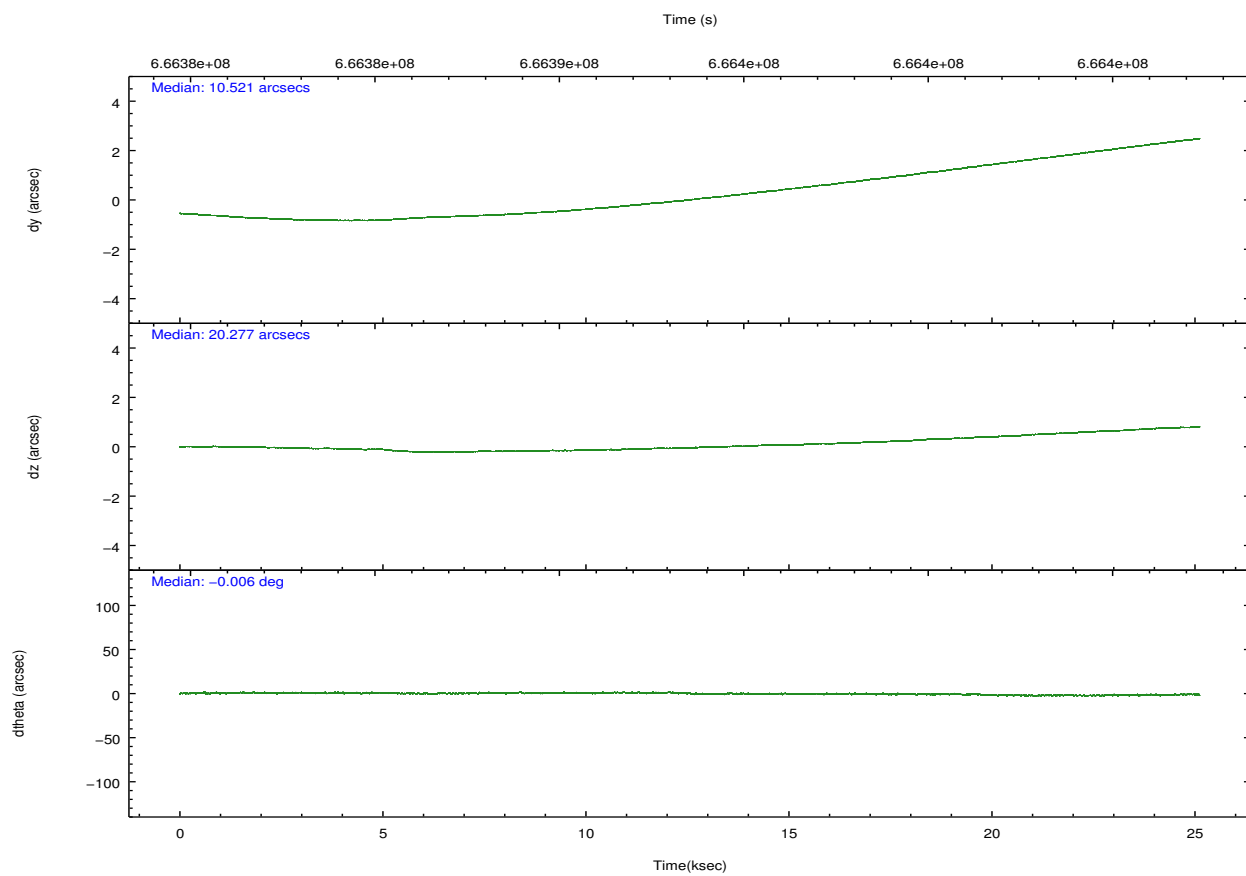
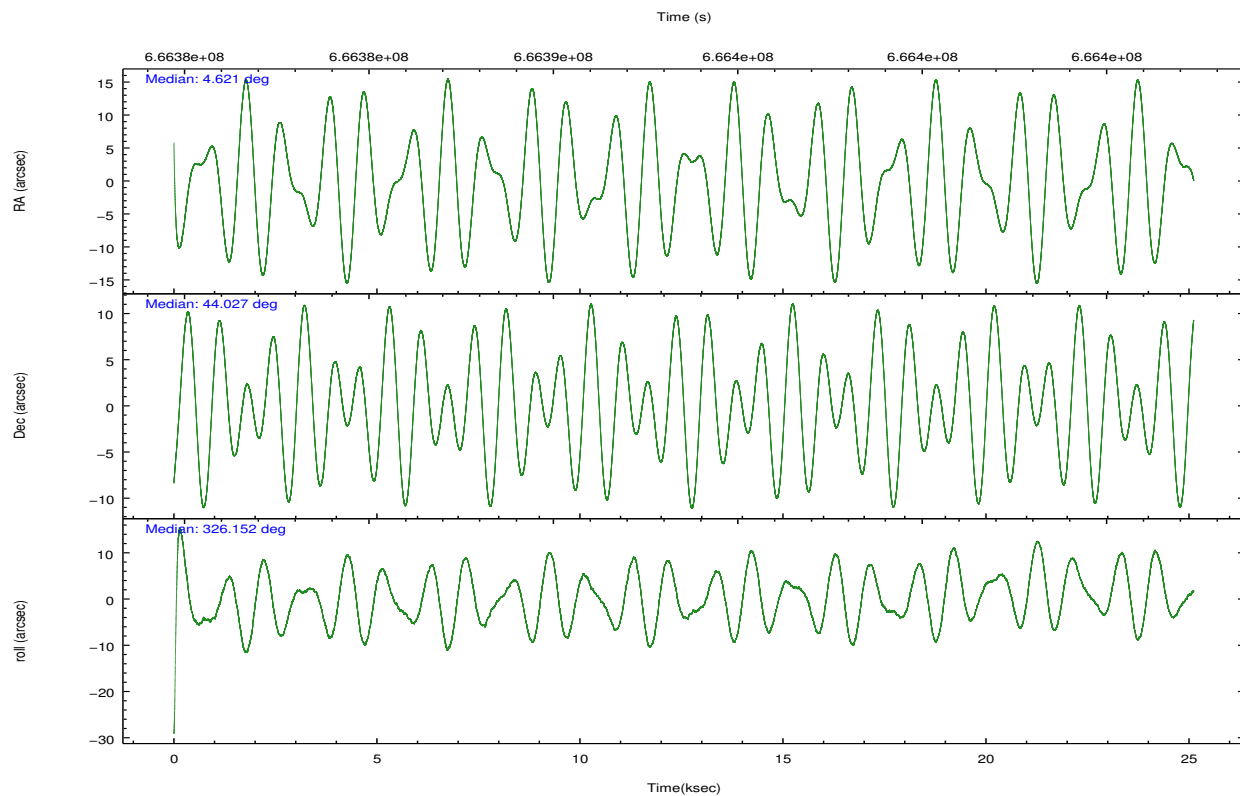
	ccd 7
grade 0 events	3124
	4%
grade 1 events	106
	0%
grade 2 events	6520
	10%
grade 3 events	3331
	5%
grade 4 events	3214
	5%
grade 5 events	6430
	10%
grade 6 events	14244
	22%
grade 7 events	25551
	40%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	4.582595	4.620702575675008	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	44.028408	44.02693648366274	Subarray start row	385	385
[deg] Pointing Roll	326.023102	326.1532260466657	Subarray row count	256	256
[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	0.8
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	666381090.184000	666379586.3701299			
Observation start date	2019-02-12T17:50:21	2019-02-12T17:26:26			
[s] Observation end time (MET)	666406090.184000	666407073.28426			
Observation end date	2019-02-13T00:47:01	2019-02-13T01:04:33			
Read mode	TIMED	TIMED			

2.3 Aspect



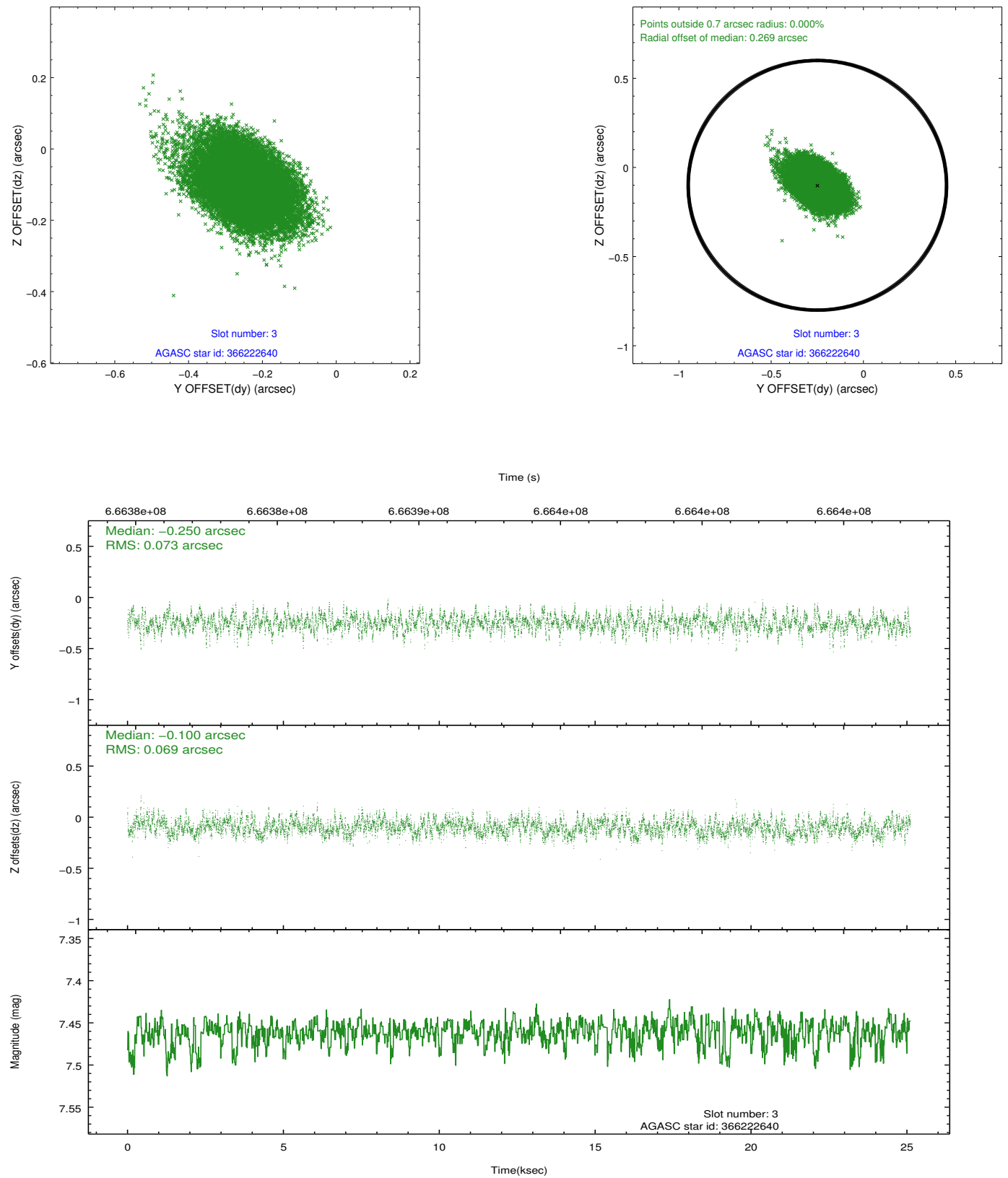


Slot Statistics

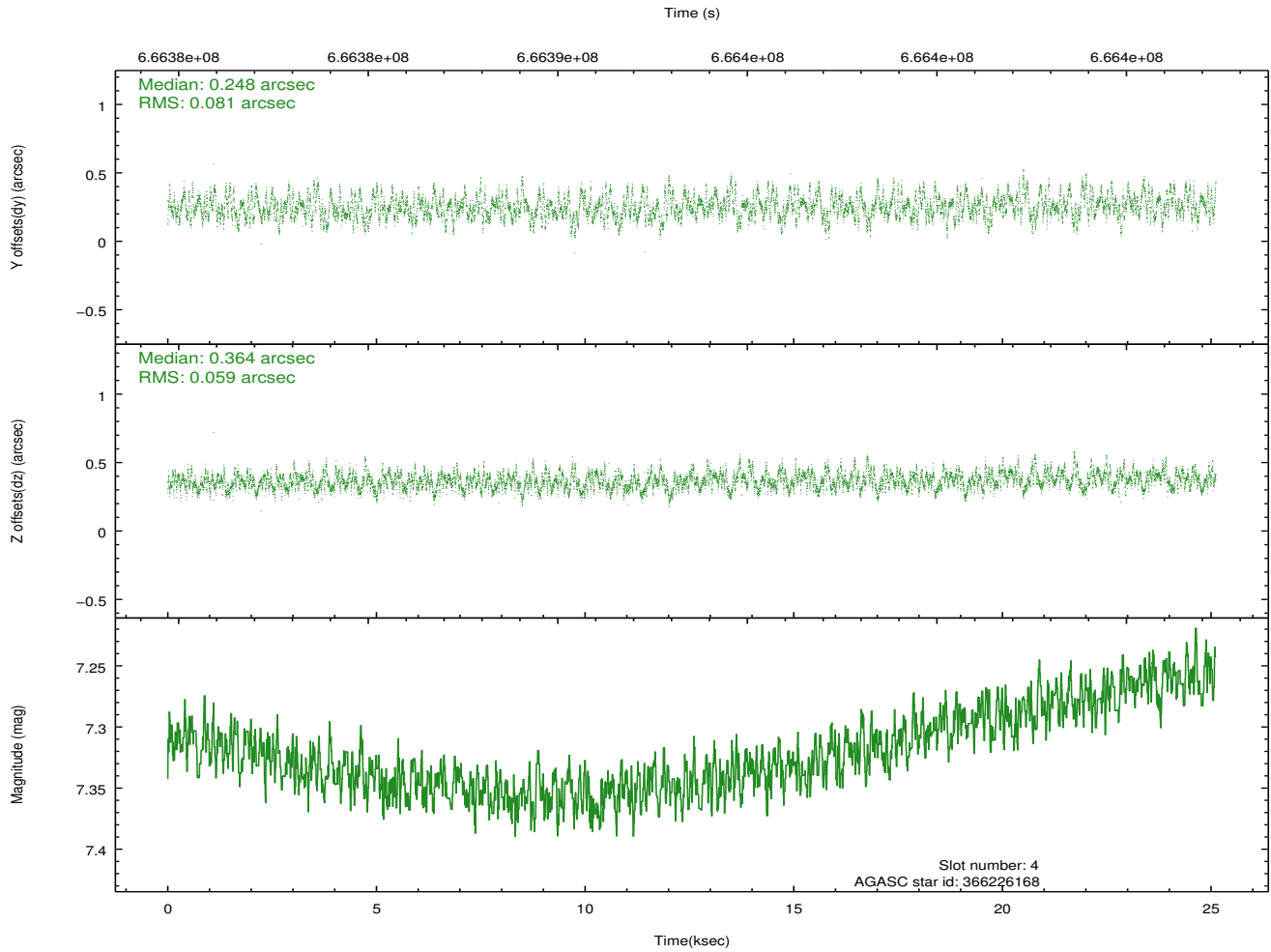
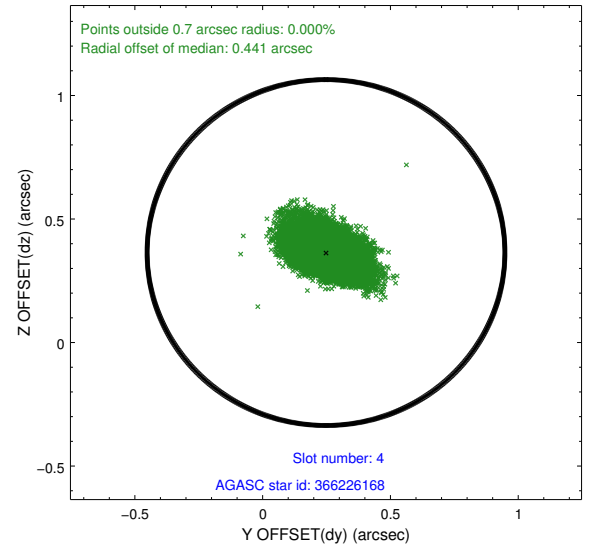
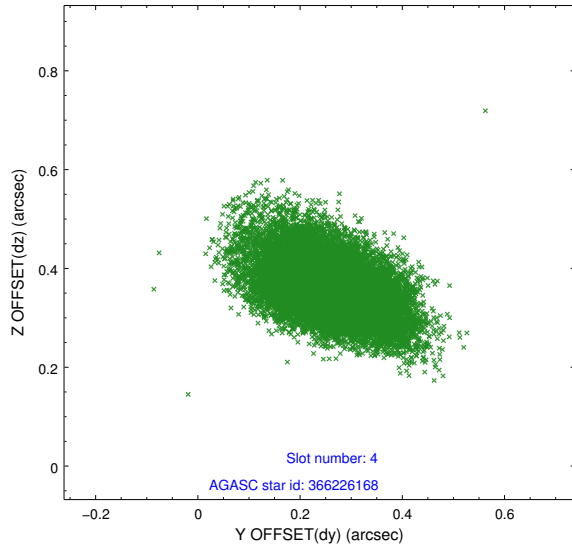
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.00	6126	1.000	-0.294	-0.088	0.016	0.040	0.000000	0.000000	-763.91	-1741
1	FID		ACIS-S-4	7.12	6125	1.000	0.618	0.165	0.009	0.036	0.000000	0.000000	2150.15	166
2	FID		ACIS-S-5	7.11	6127	1.000	-0.354	-0.069	0.019	0.069	0.000000	0.000000	-1816.75	160
3	GUIDE	used	366222640	7.46	12249	1.000	-0.250	-0.100	0.106	0.173	4.669582	44.629988	-1025.98	1920
4	GUIDE	used	366226168	7.33	12249	1.000	0.248	0.364	0.104	0.177	3.824299	44.203394	-1979.46	-563
5	GUIDE	used	366367080	7.24	12252	1.000	0.065	-0.169	0.087	0.143	5.030829	43.925890	1168.44	345
6	GUIDE	used	366222112	7.25	12247	1.000	-0.207	-0.033	0.088	0.152	4.470130	44.577944	-1344.39	1479
7	GUIDE	used	366354776	8.20	12245	1.000	0.147	-0.067	0.114	0.184	5.254704	43.713025	2081.19	41

2.4 Star Slots

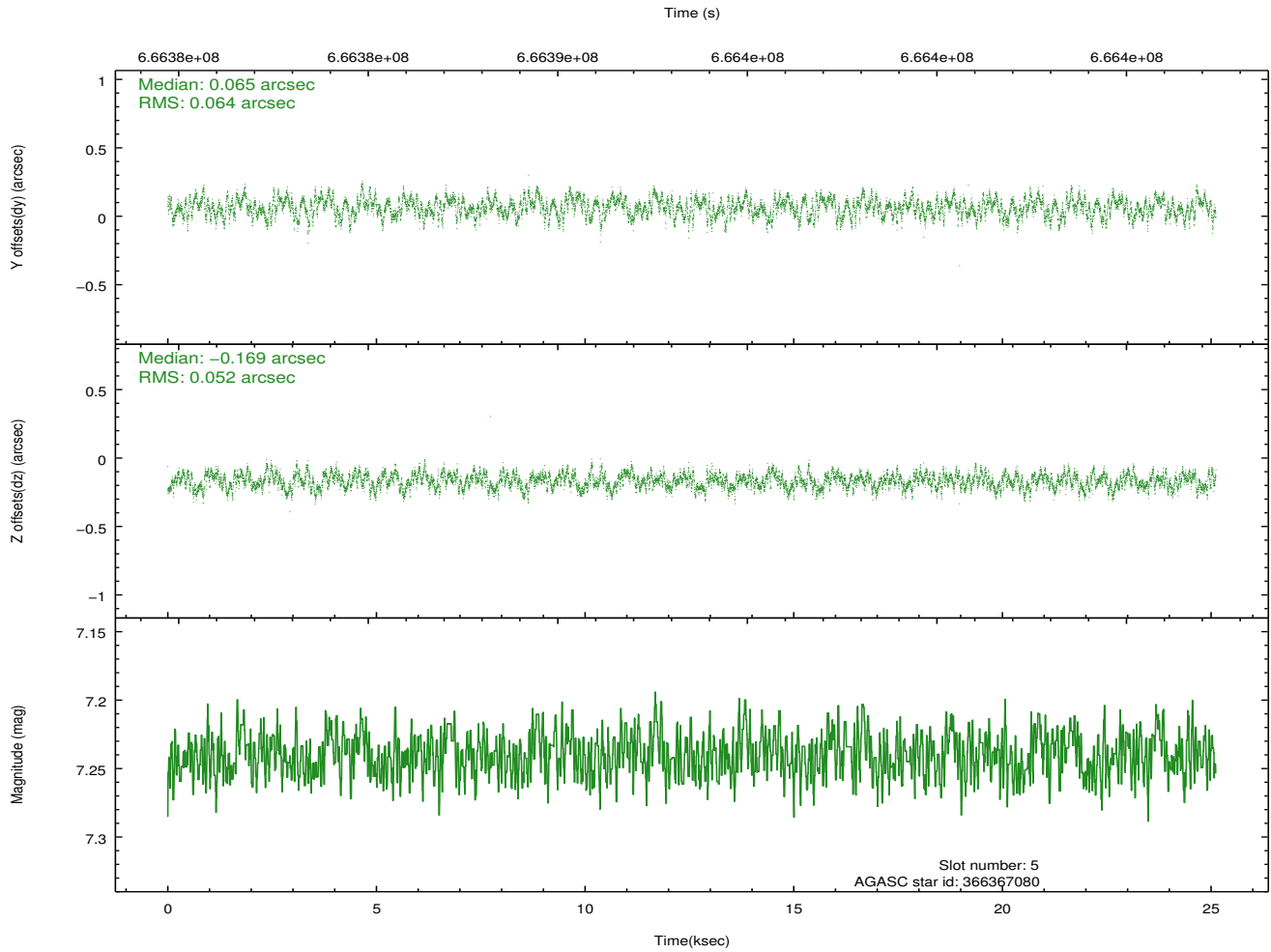
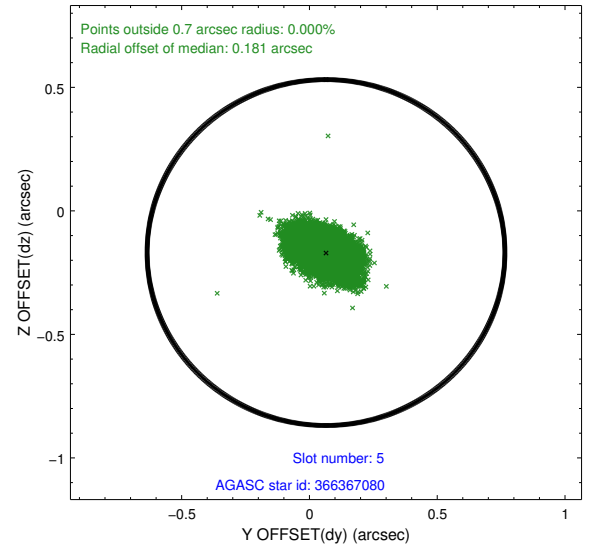
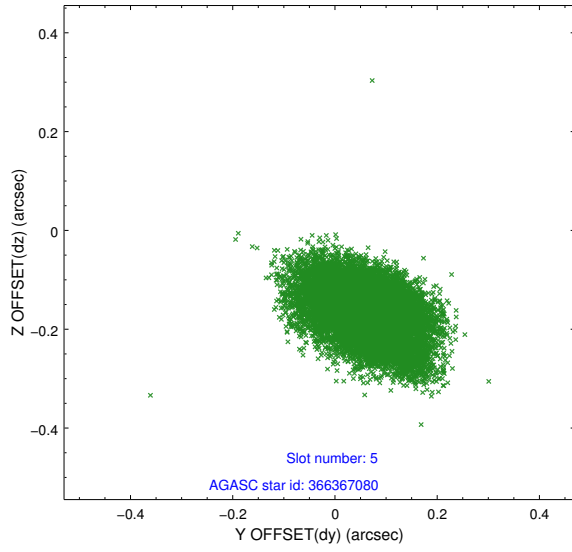
2.4.1 Slot 3



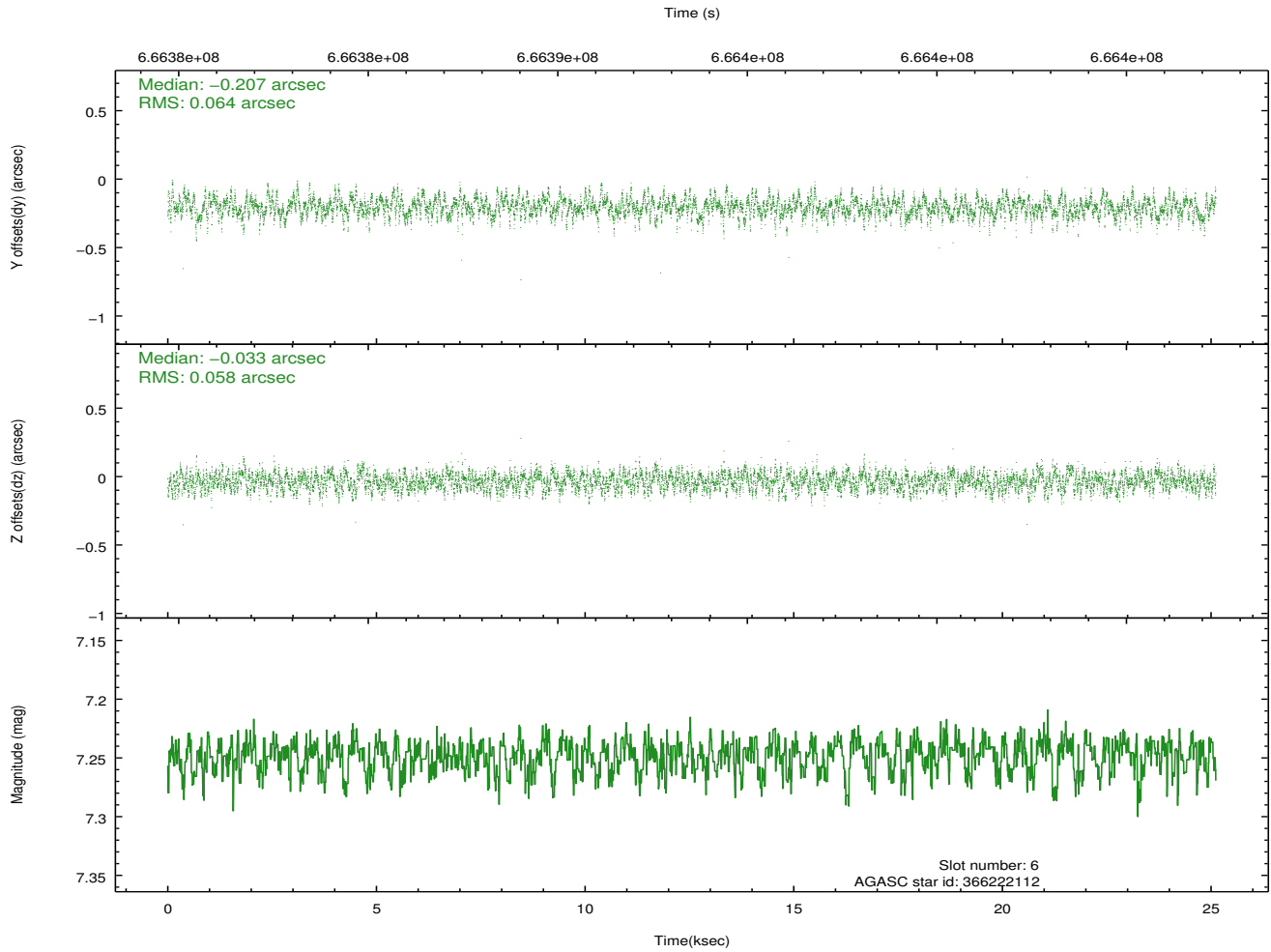
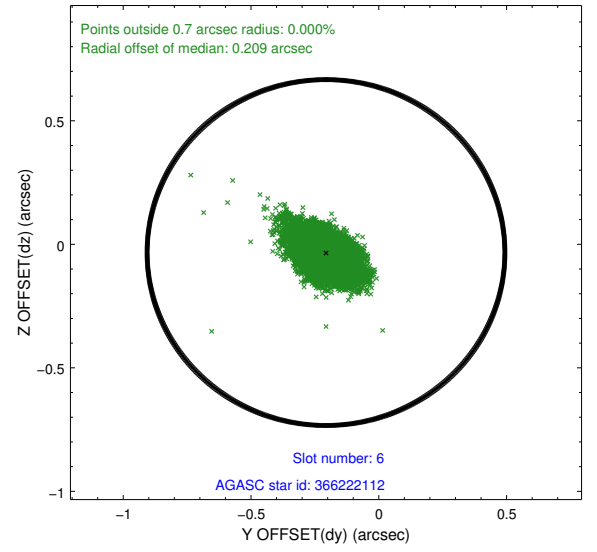
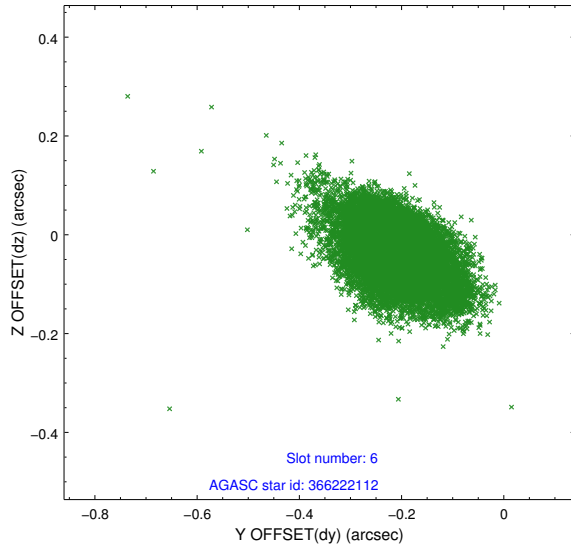
2.4.2 Slot 4



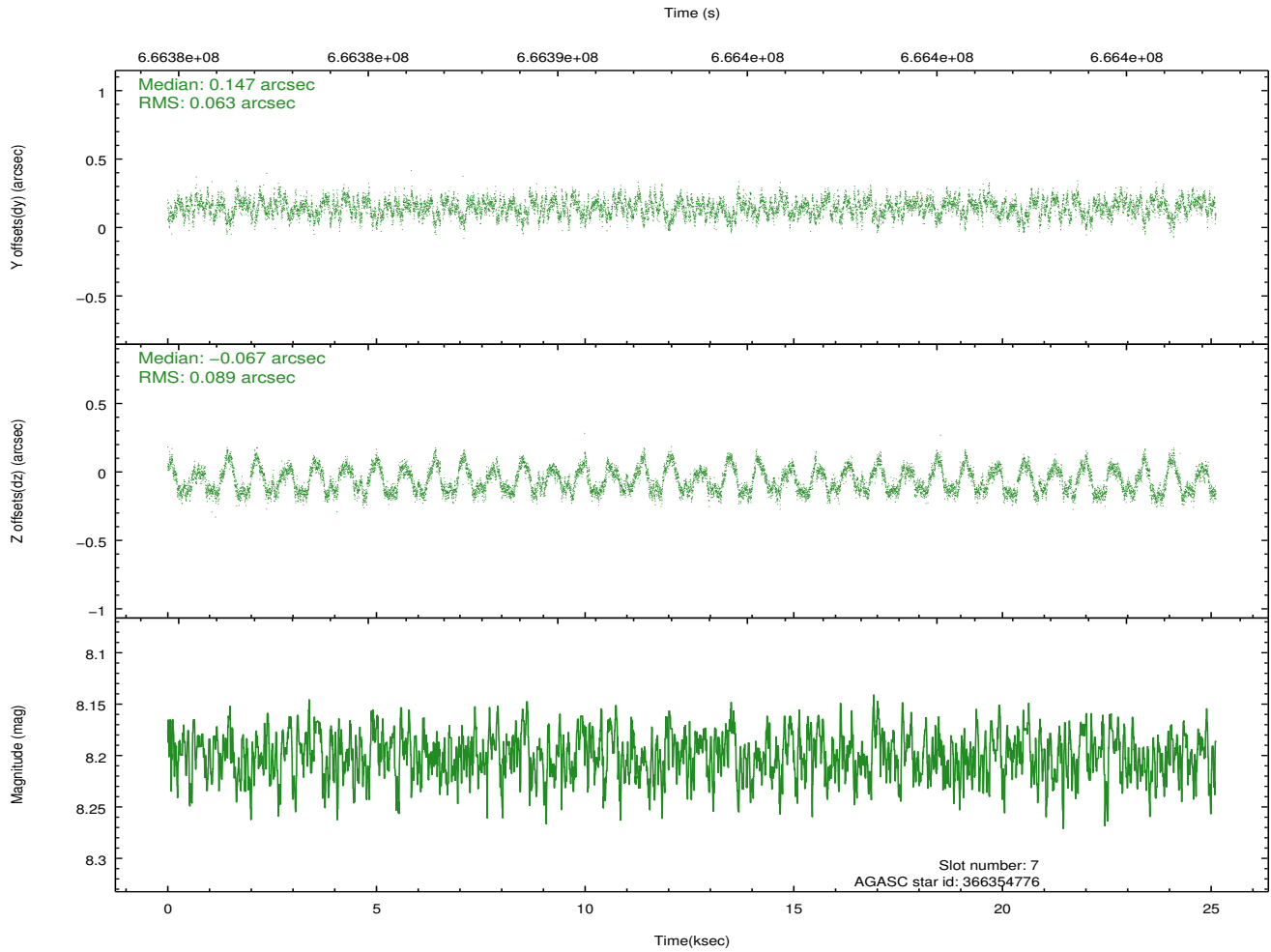
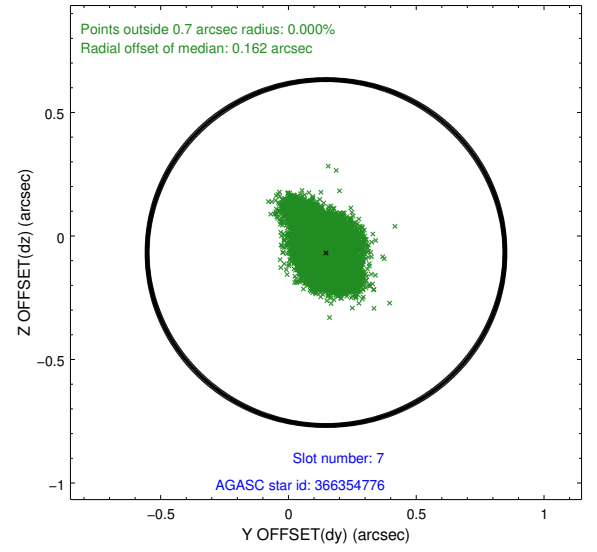
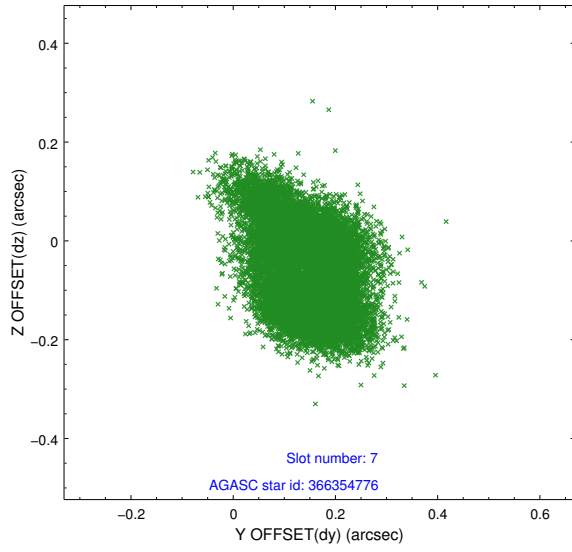
2.4.3 Slot 5



2.4.4 Slot 6

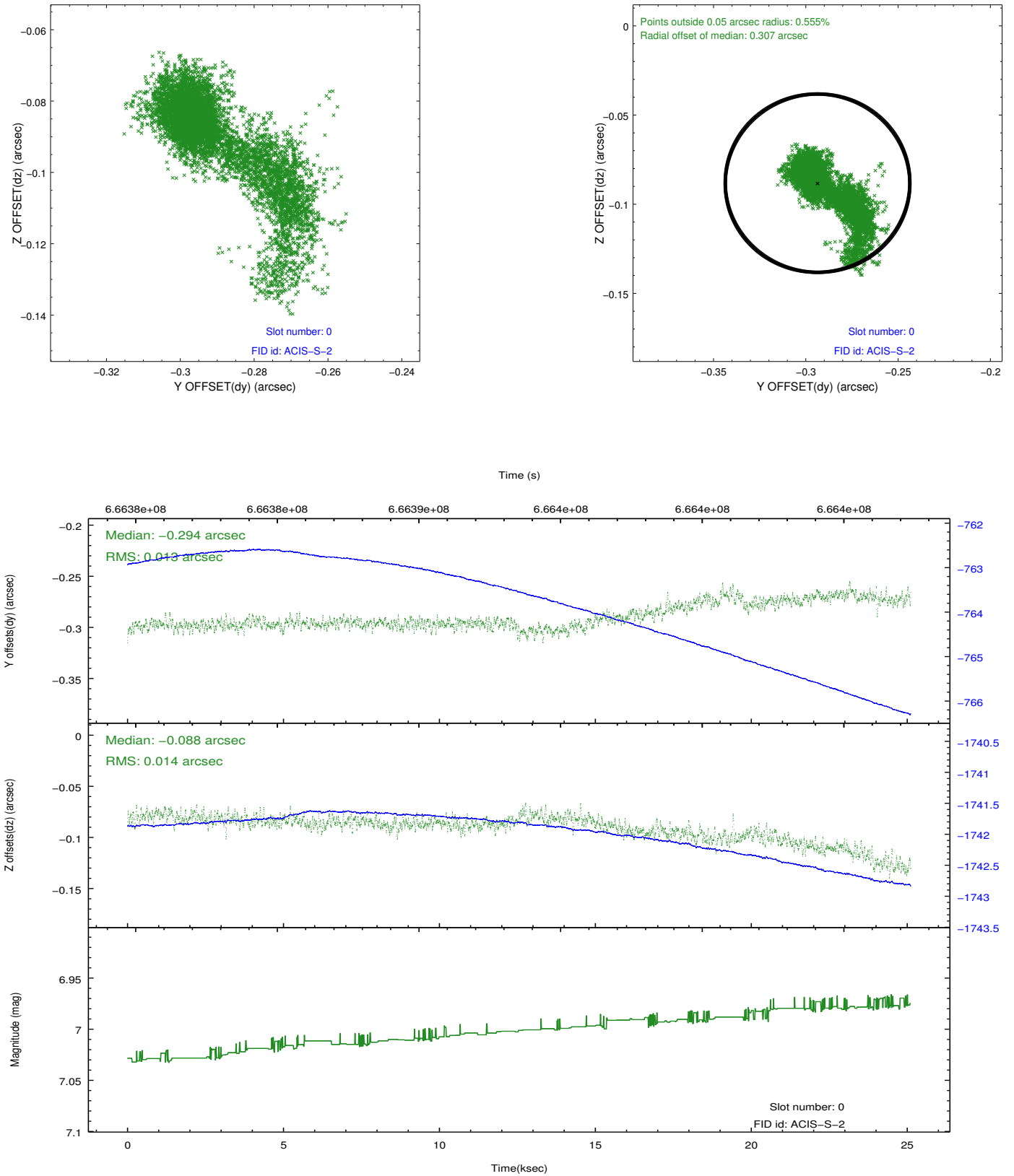


2.4.5 Slot 7

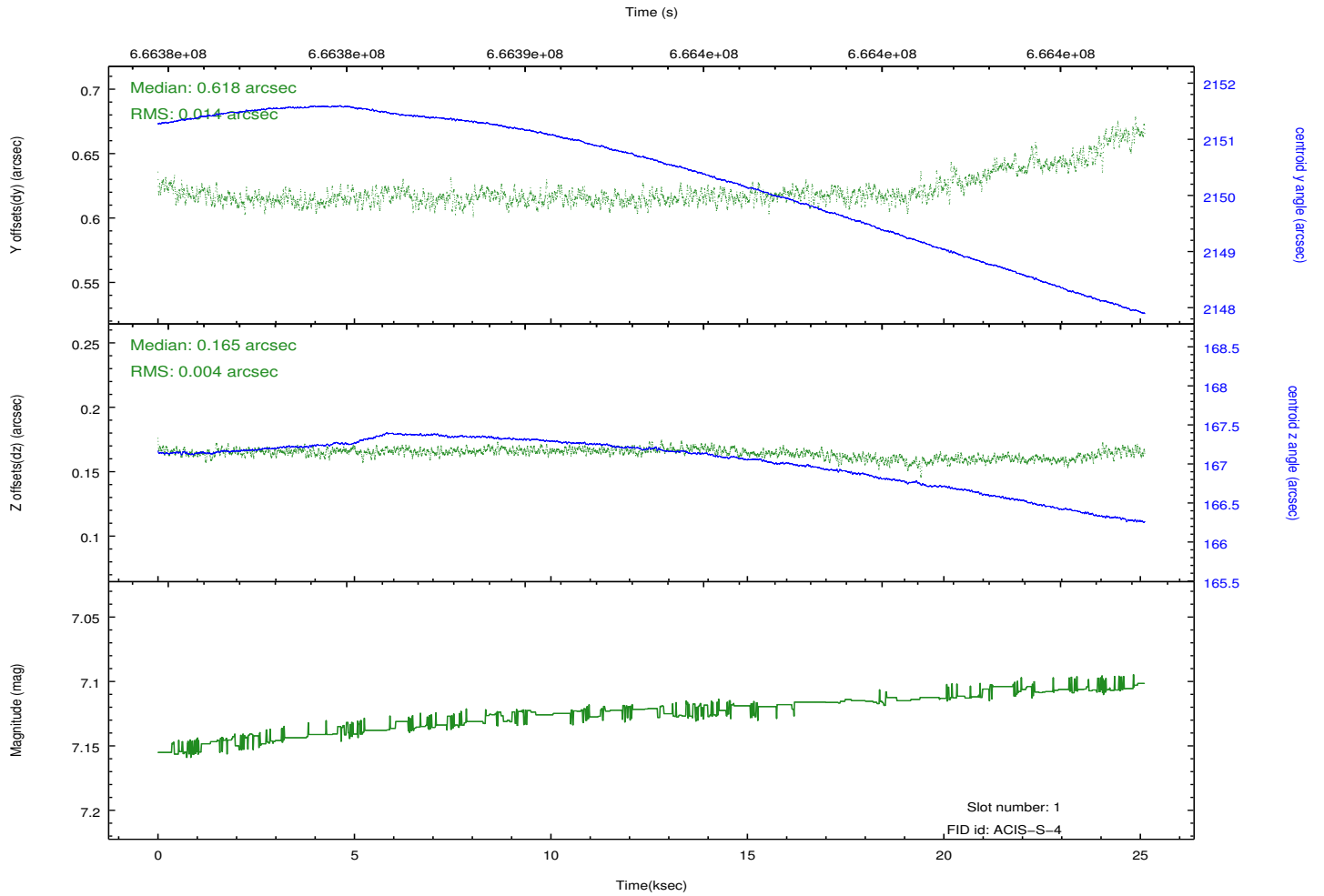
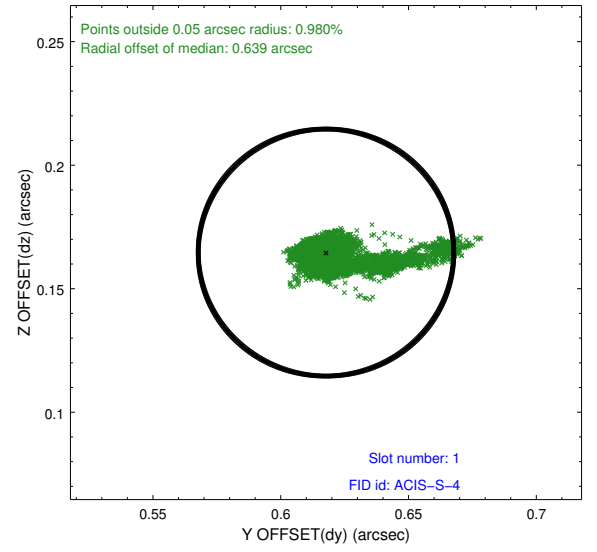
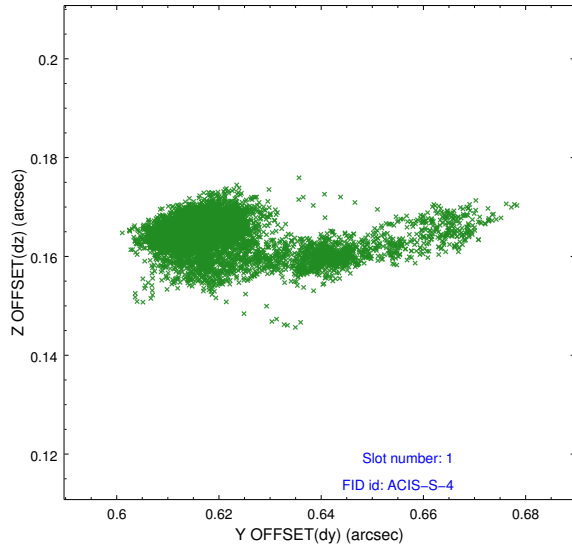


2.5 FID Slots

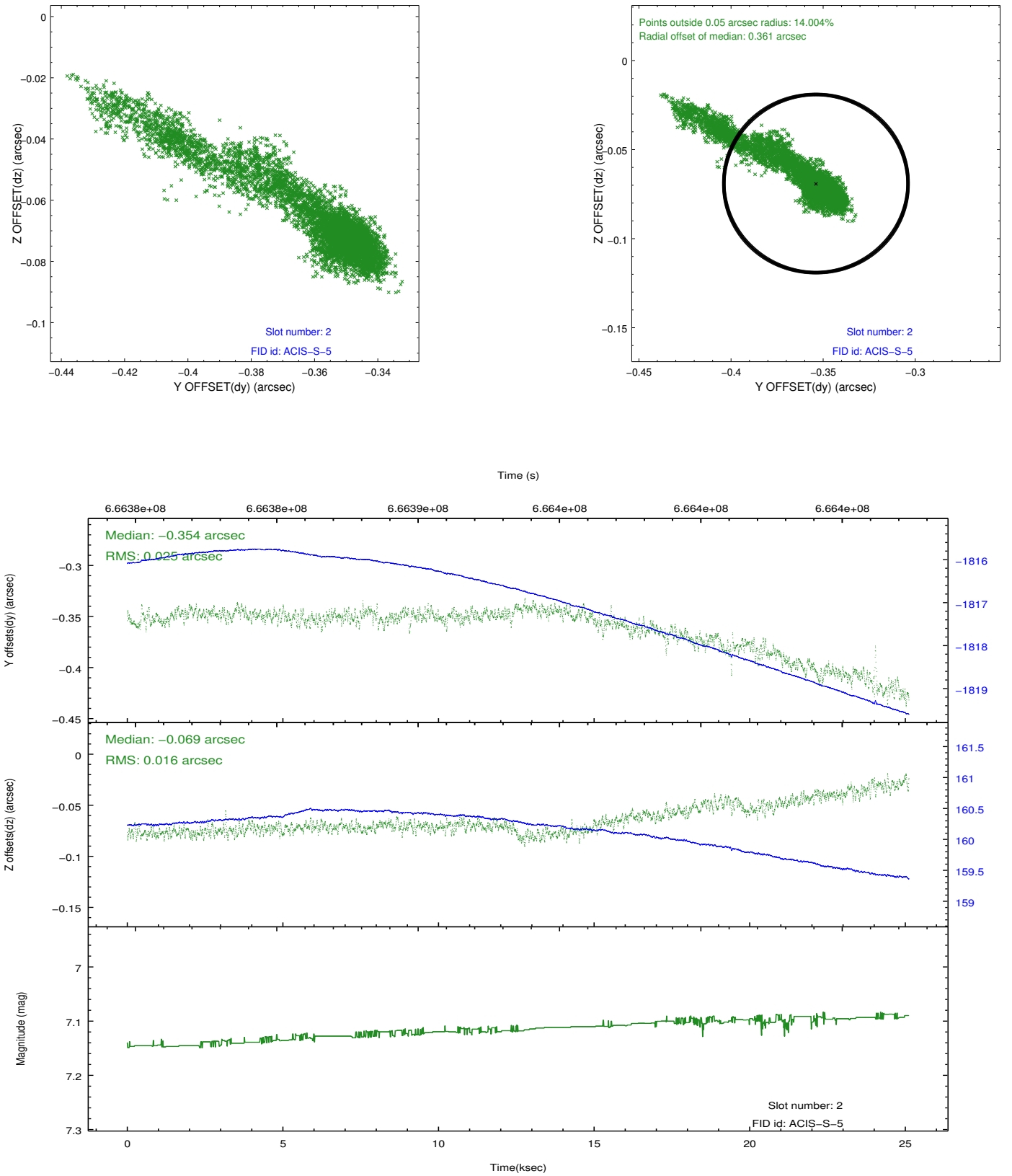
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2019.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.060451007128

A.2 Comments