

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 20619 - L2 Version 1
Chandra X-Ray Center

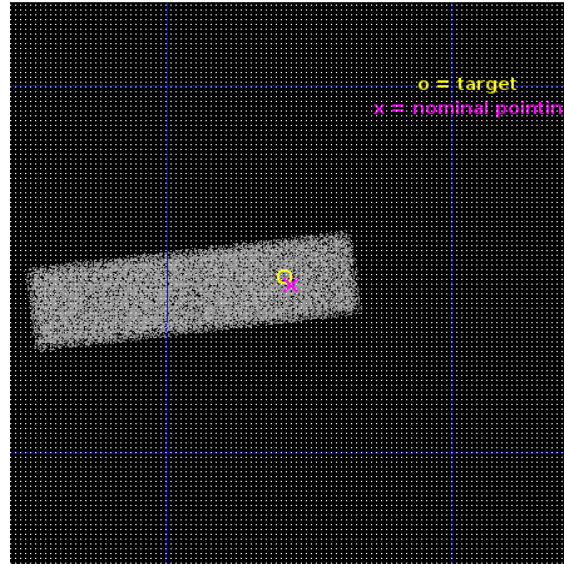
L2 Processing Date : Jun 17 2019

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1 Front

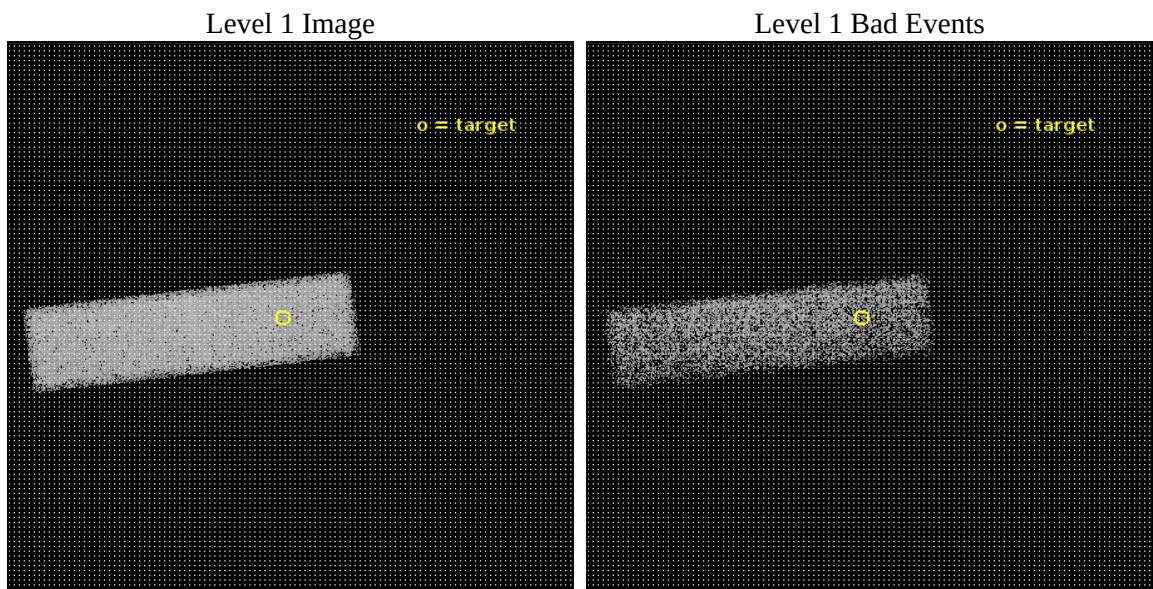
seq_num	201191	Sequence number
obs_id	20619	Observation id
title	Mega-MUSCLES Treasury Survey: Measurements of the Ultraviolet Spectral Characteristics of Low-mass Exoplanetary Systems	Proposal titl
observer	Cynthia Froning	Principal investigator
object	GJ699	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	269.447917	Observer's specified target RA [deg]
dec_targ	4.746194	Observer's specified target Dec [deg]
ra_nom	269.44513733174	Nominal RA [deg]
dec_nom	4.7427148659254	Nominal Dec [deg]
roll_nom	173.1568342861	Nominal Roll [deg]
revision	1	Processing version of data
ontime	28060.7386415	Sum of GTIs [s]
livetime	26691.46641444	Livetime [s]
ontime7	28060.7386415	Sum of GTIs [s]
l2events	32749	Number of level 2 events



2 OBI

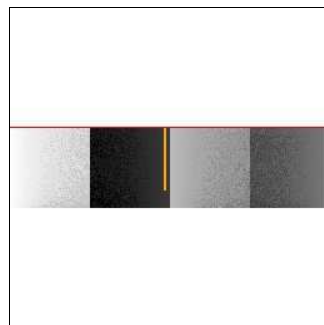
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	28000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	28060.7386415	Sum of GTIs [s]
caldsver	4.8.3	 	ontime7	28060.7386415	Sum of GTIs [s]
date	2019-06-17T22:17:24	Date and time of file creation	l1events	70806	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

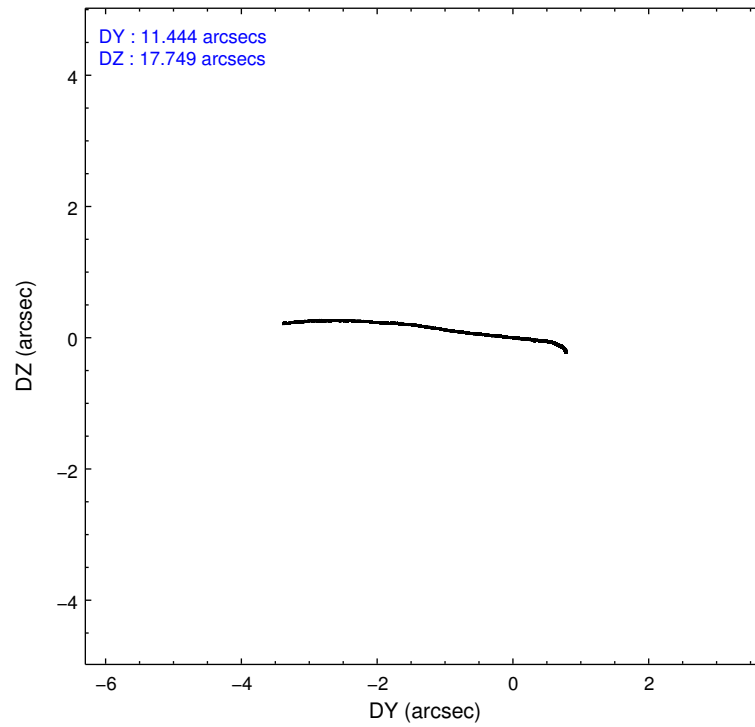
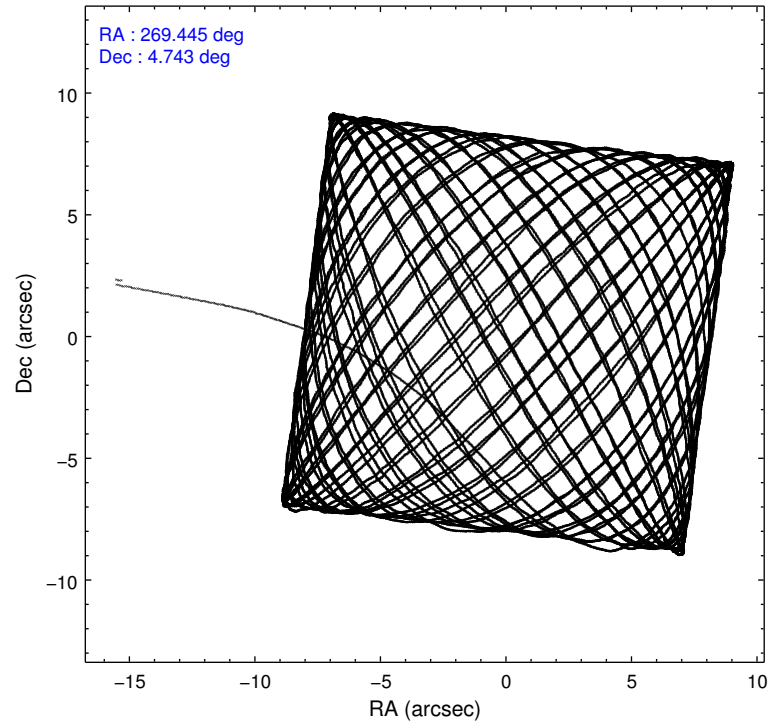
	ccd 7
level 1 events	70806
rejected events	36905
rejected %	52%

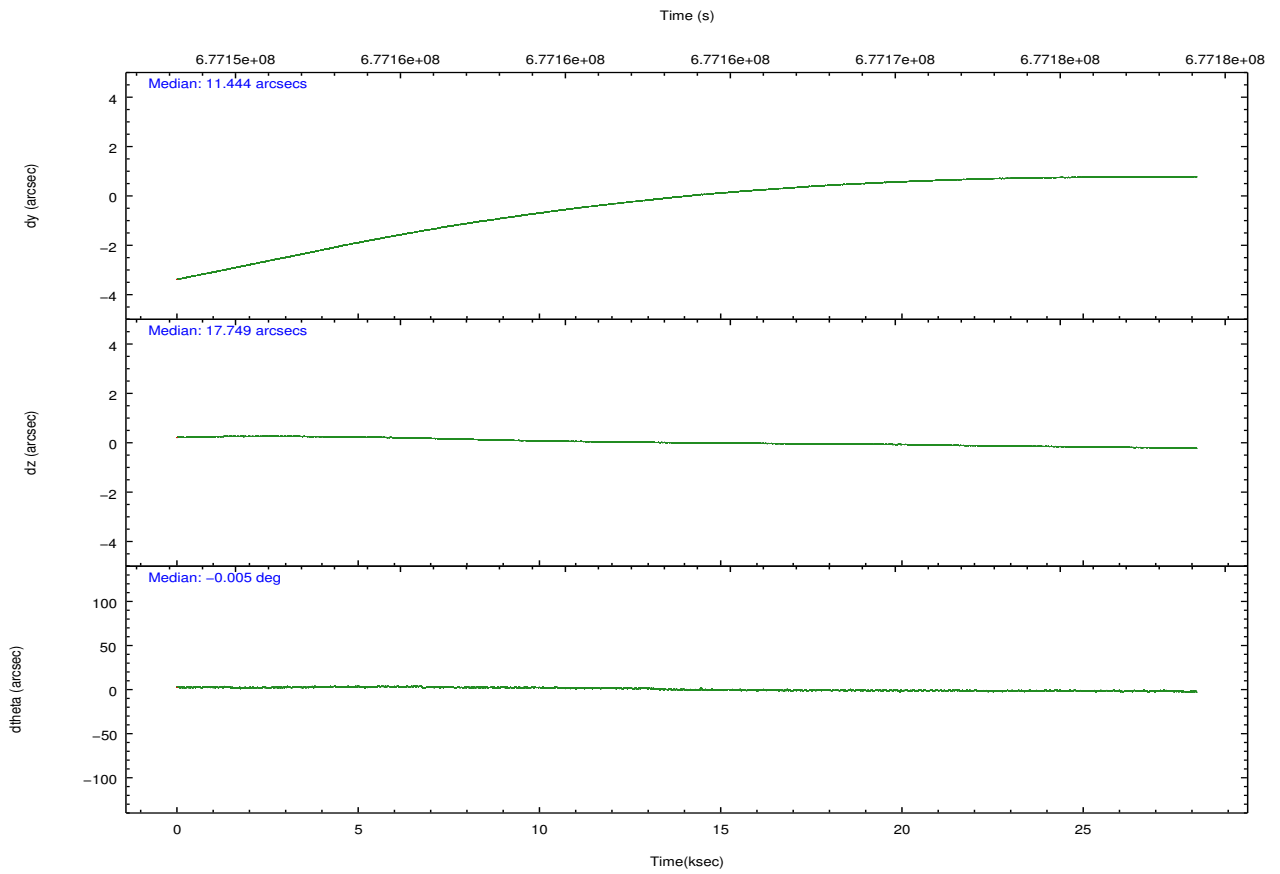
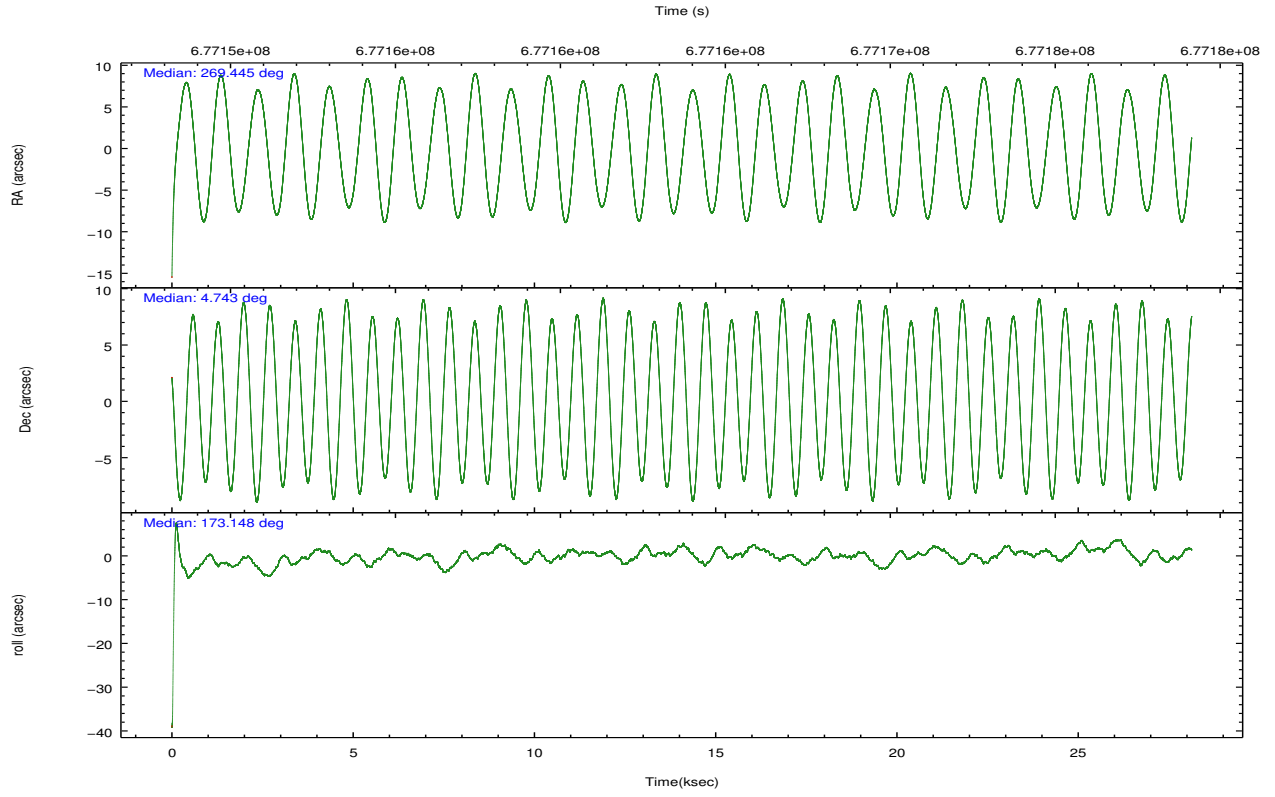
	ccd 7
grade 0 events	3255
	4%
grade 1 events	125
	0%
grade 2 events	7199
	10%
grade 3 events	3725
	5%
grade 4 events	3612
	5%
grade 5 events	7389
	10%
grade 6 events	16112
	22%
grade 7 events	29389
	41%

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	269.470325	269.4451373317437	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	4.753854	4.742714865925429	Subarray start row	385	385
[deg] Pointing Roll	172.998153	173.1568342860982	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)	677149755.184000	677148734.13986			
Observation start date	2019-06-17T09:08:06	2019-06-17T08:52:14			
[s] Observation end time (MET)	677177755.184000	677179119.75418			
Observation end date	2019-06-17T16:54:46	2019-06-17T17:18:39			
Read mode	TIMED	TIMED			

2.3 Aspect



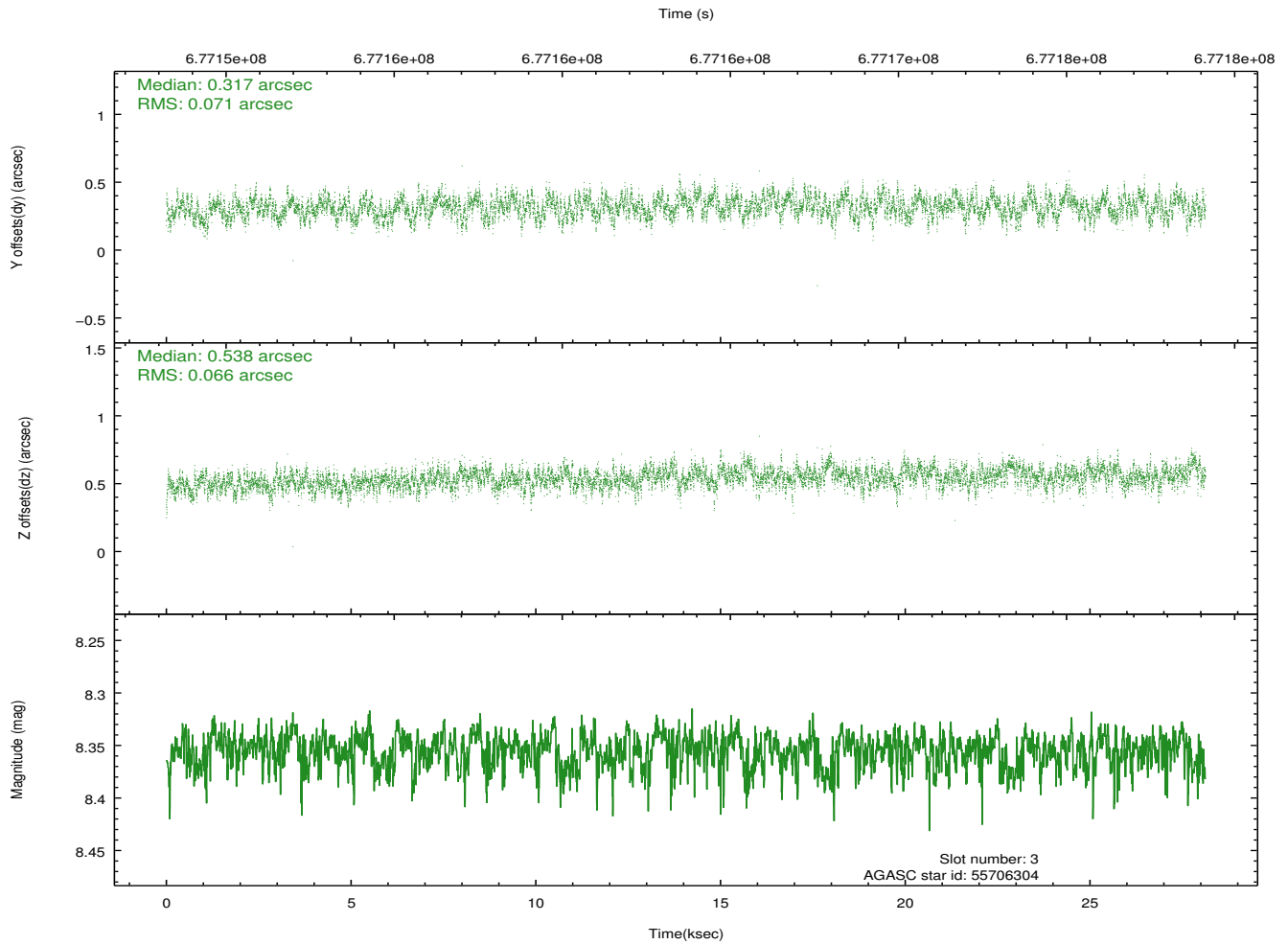
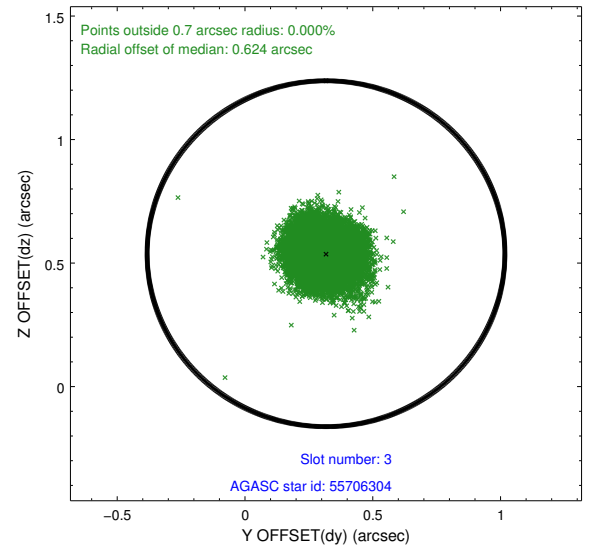
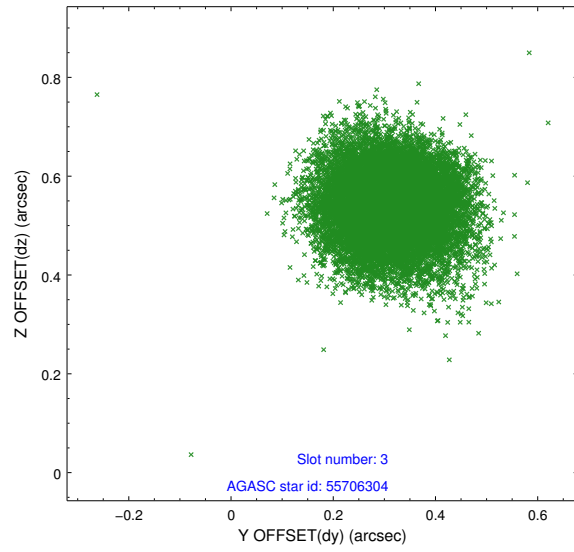


Slot Statistics

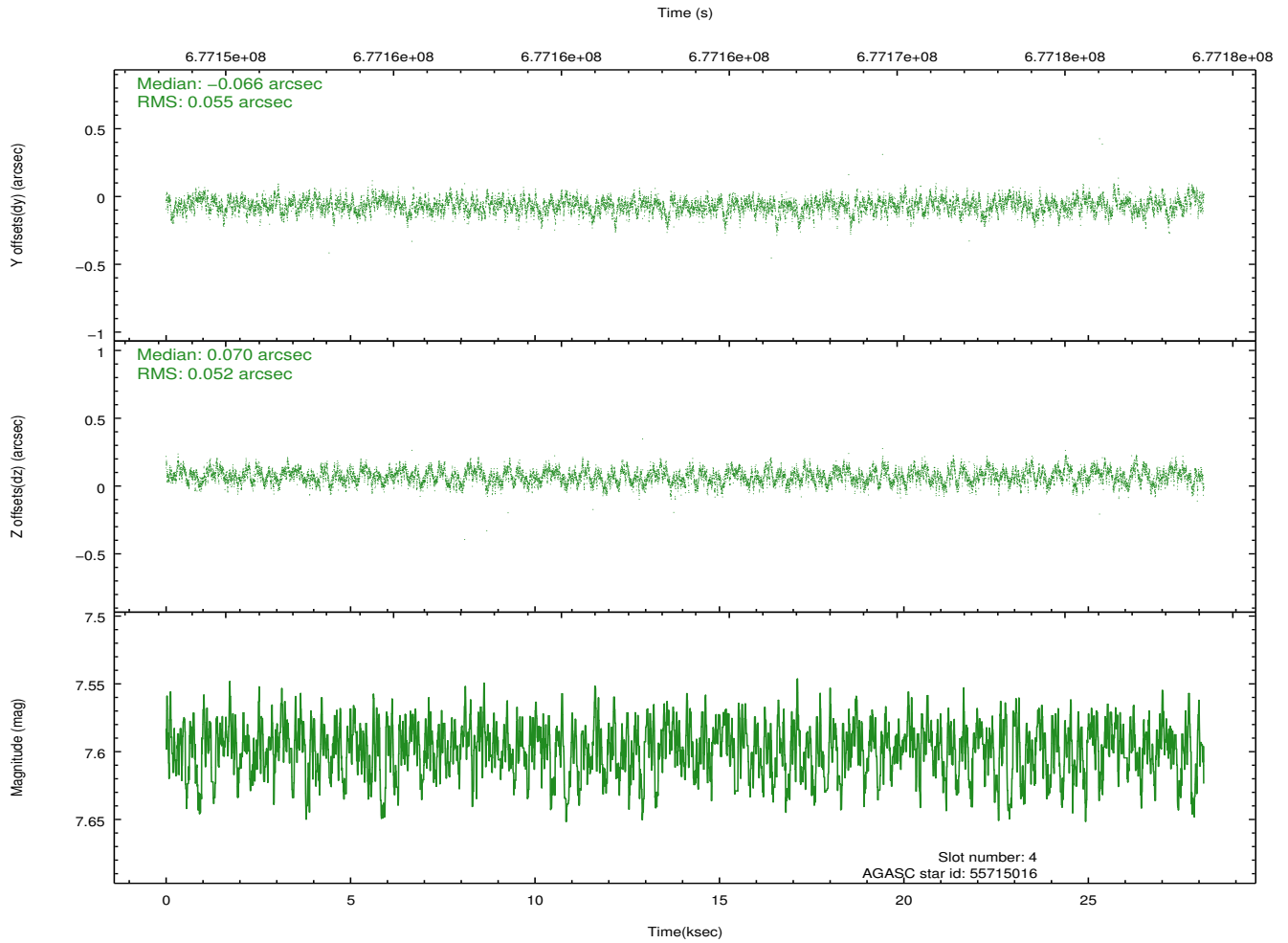
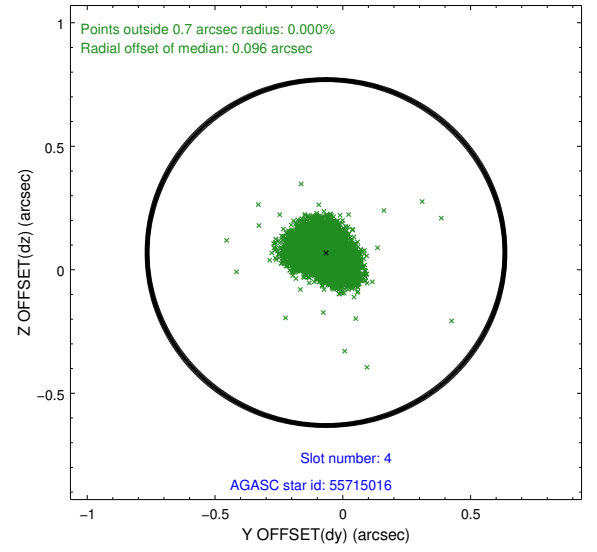
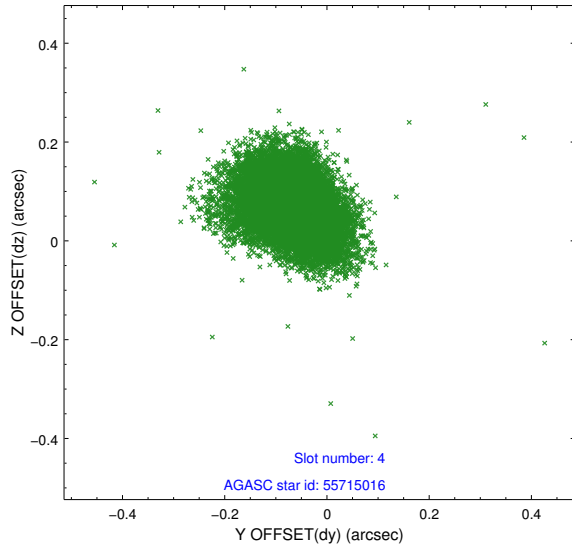
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.00	6862	1.000	-0.231	-0.162	0.018	0.035	0.000000	0.000000	-764.04	-1739
1	FID		ACIS-S-4	7.13	6861	1.000	0.630	0.156	0.028	0.094	0.000000	0.000000	2150.02	169
2	FID		ACIS-S-5	7.11	6862	1.000	-0.420	0.013	0.047	0.076	0.000000	0.000000	-1816.99	162
3	GUIDE	used	55706304	8.35	13714	1.000	0.317	0.538	0.105	0.165	269.767448	4.954706	-968.80	-847
4	GUIDE	used	55715016	7.60	13723	1.000	-0.066	0.070	0.080	0.130	269.049609	4.833585	1533.22	-101
5	GUIDE	used	55716072	8.32	13719	1.000	-0.103	-0.183	0.106	0.176	269.196470	4.376991	810.60	1466
6	GUIDE	used	55717840	7.82	13718	1.000	0.086	-0.016	0.098	0.167	269.004916	5.161460	1835.86	-1253
7	GUIDE	used	55717400	8.46	13714	1.000	-0.230	-0.409	0.093	0.149	269.125282	4.224562	997.24	2041

2.4 Star Slots

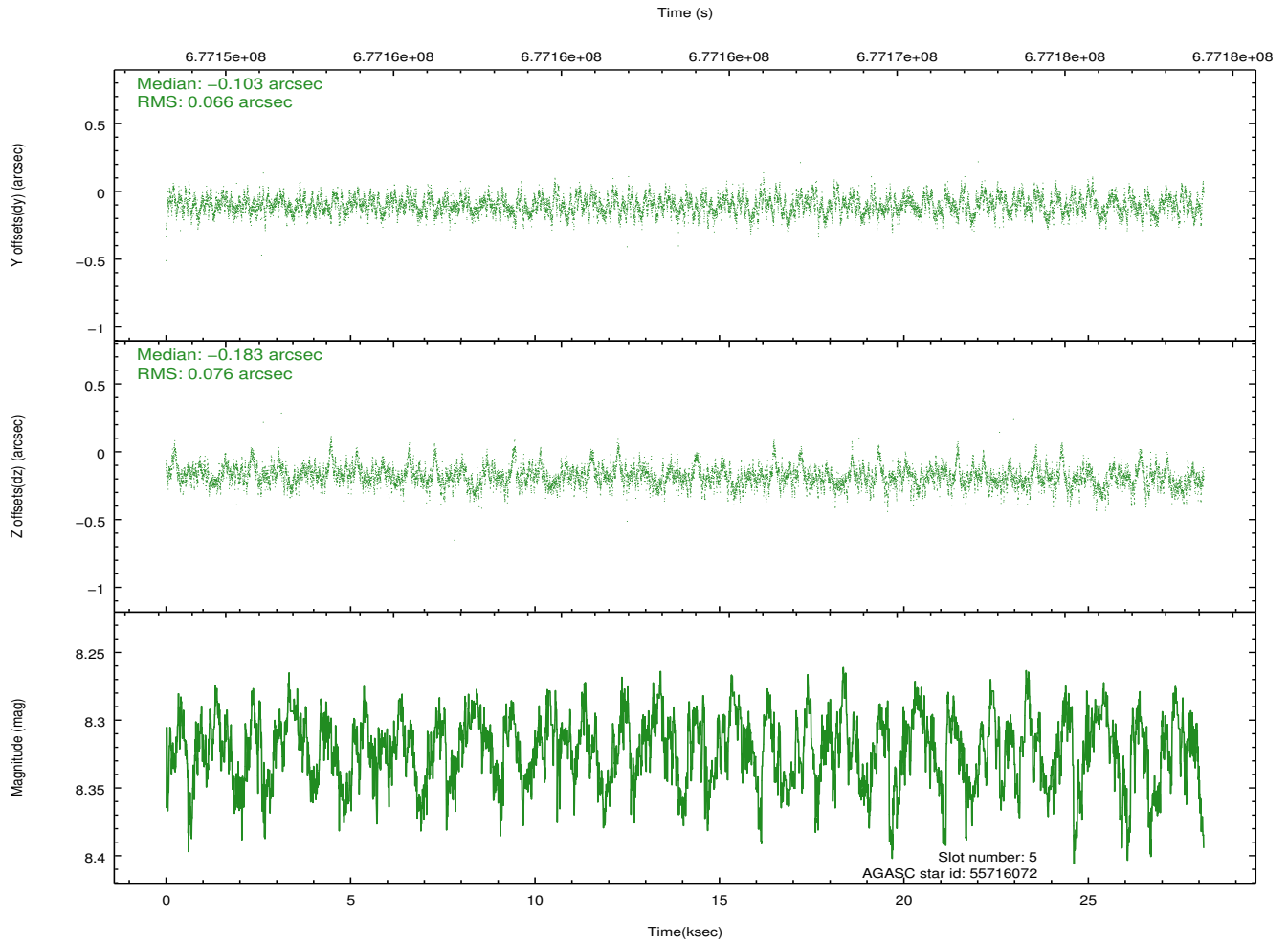
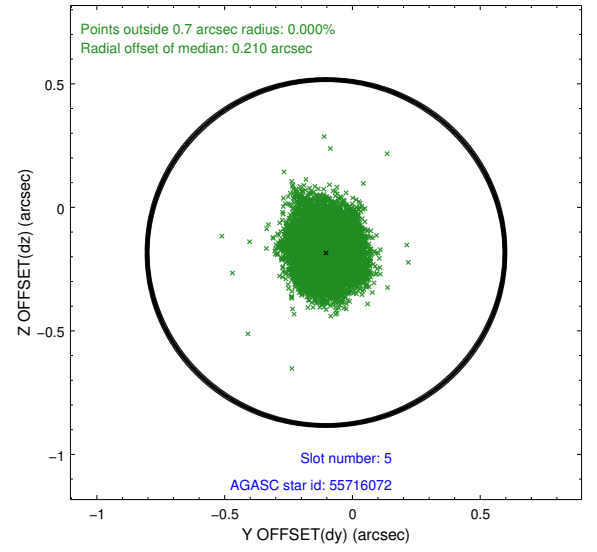
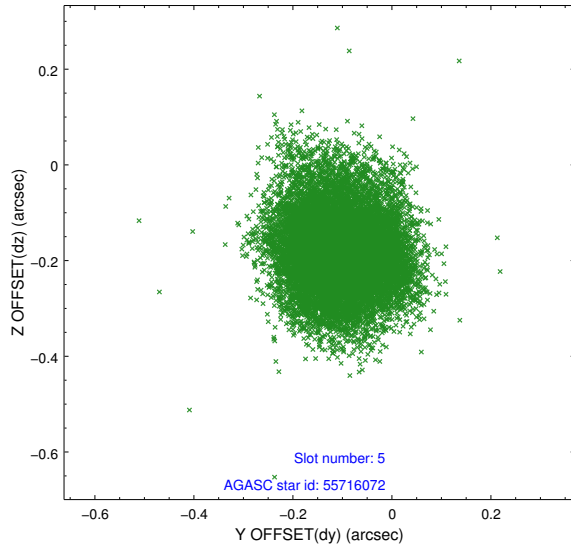
2.4.1 Slot 3



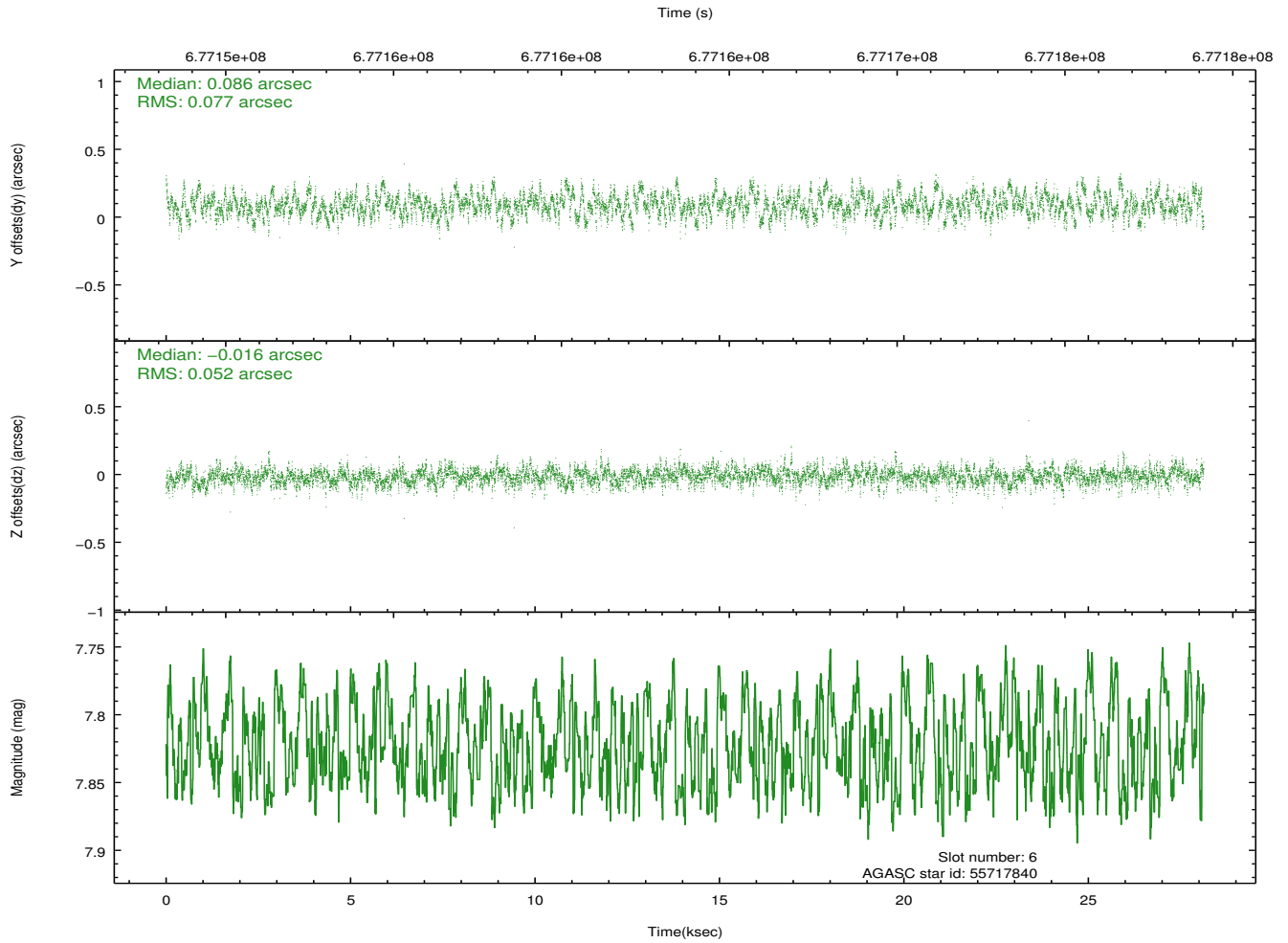
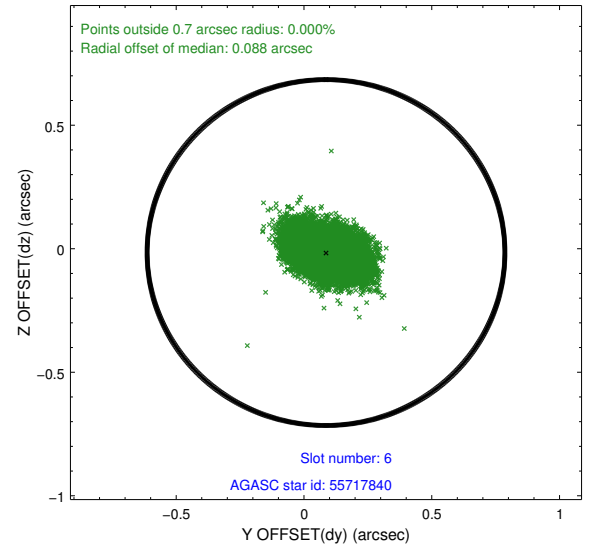
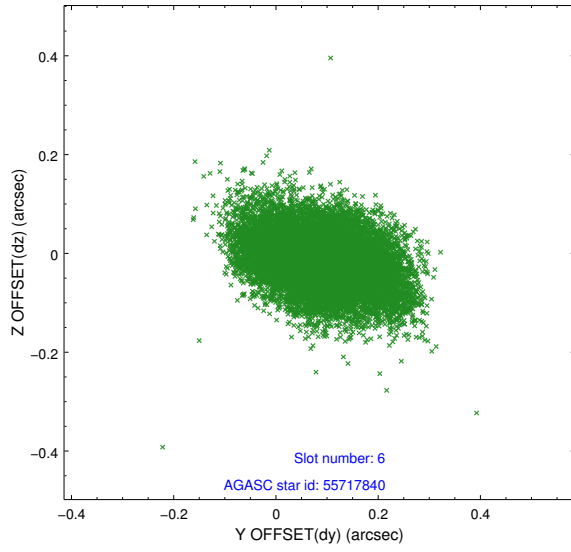
2.4.2 Slot 4



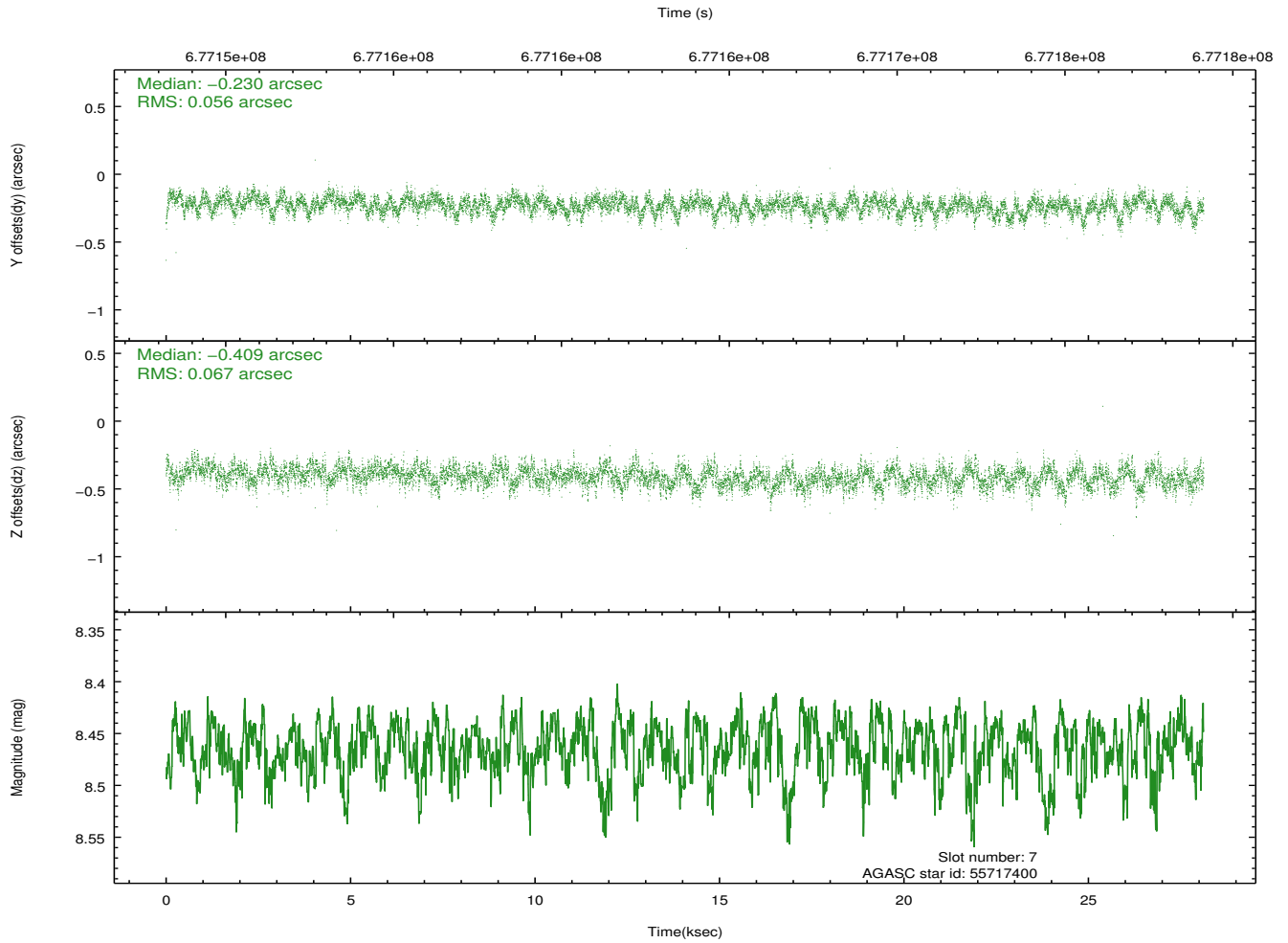
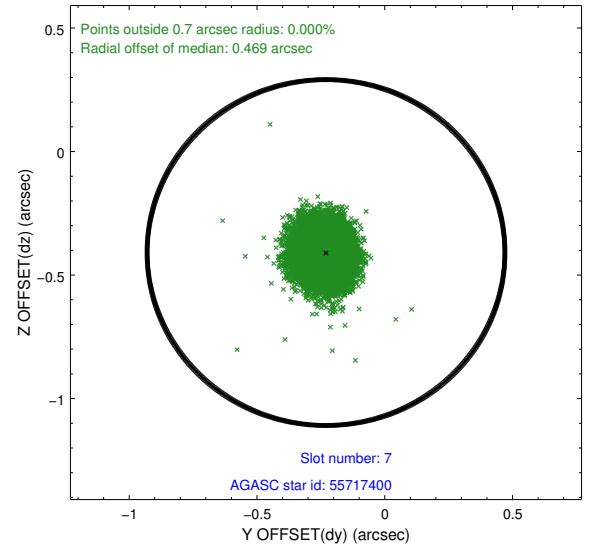
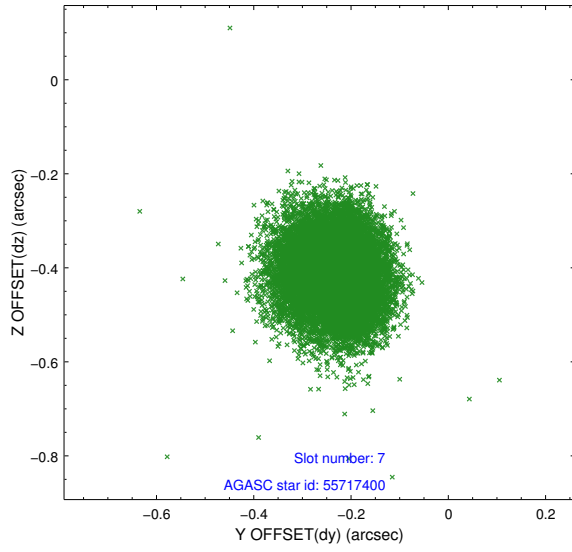
2.4.3 Slot 5



2.4.4 Slot 6

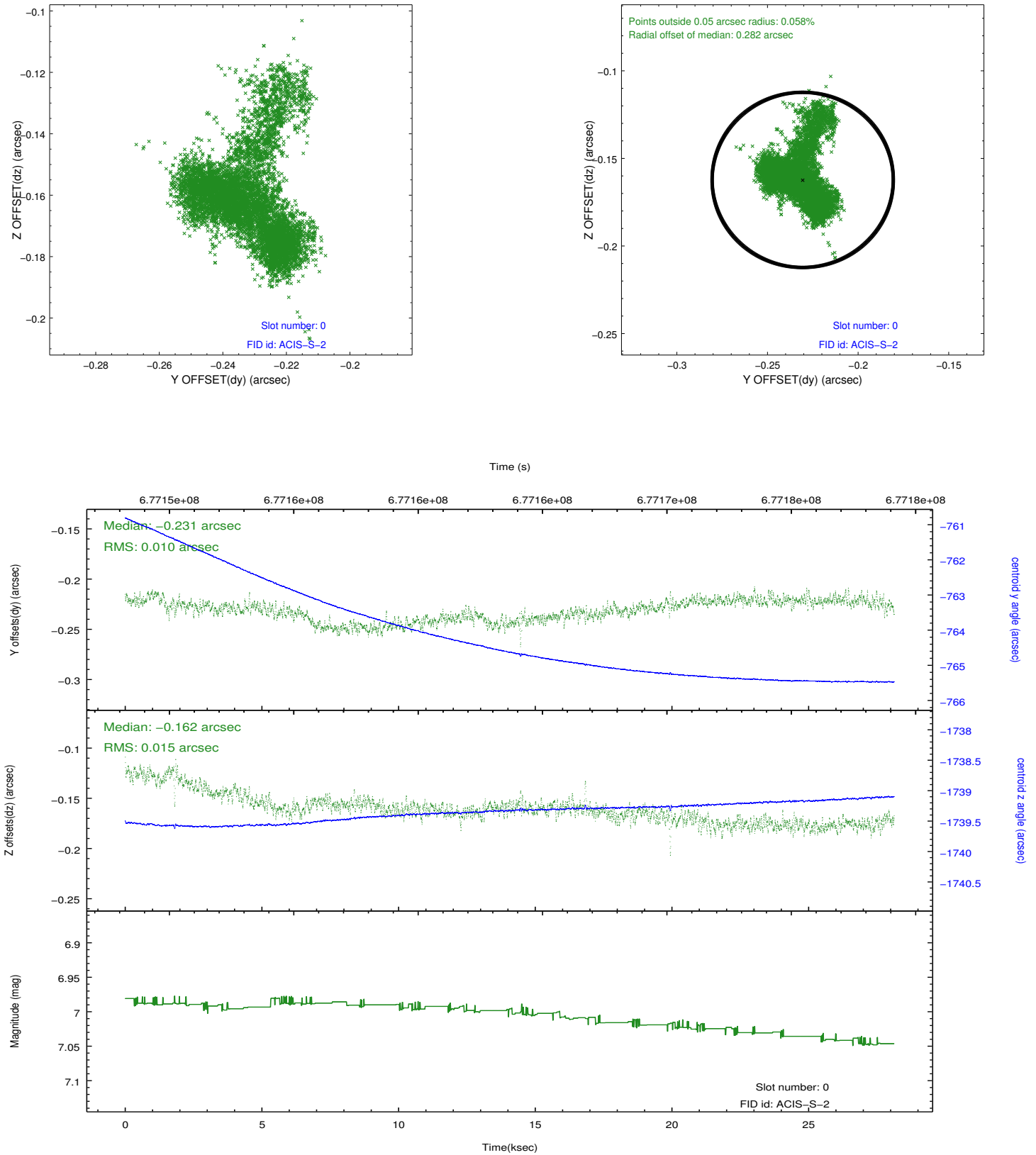


2.4.5 Slot 7

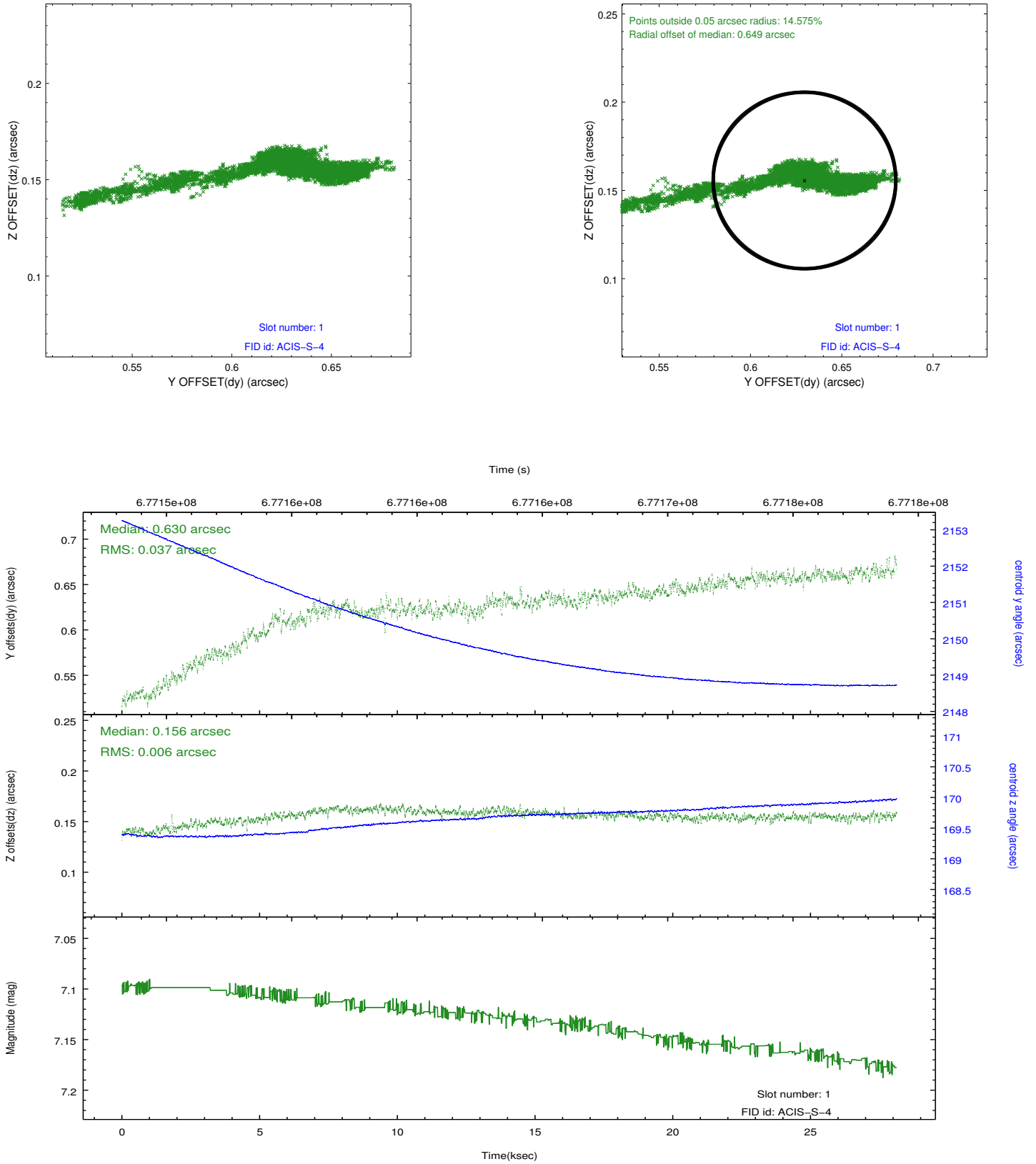


2.5 FID Slots

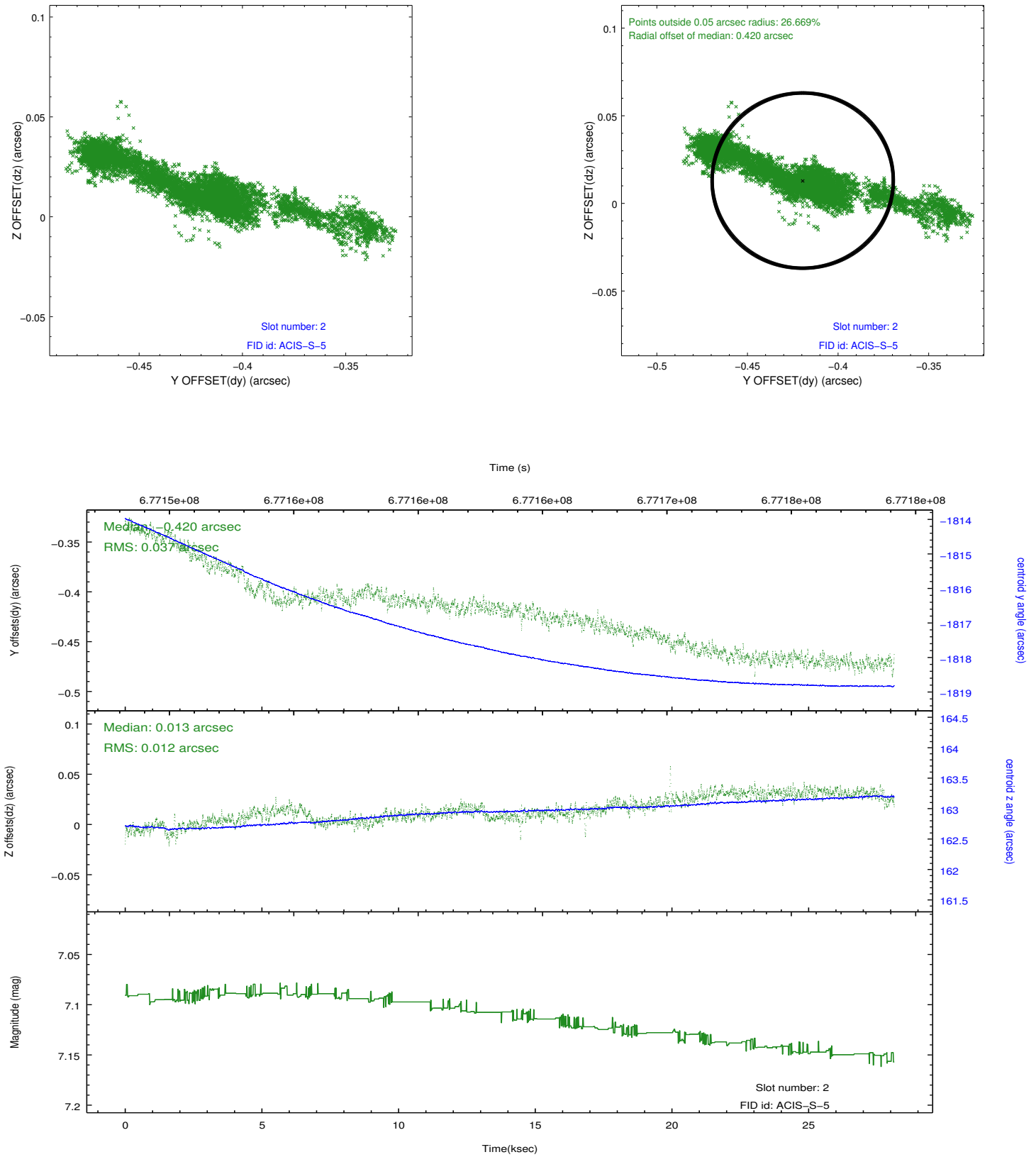
2.5.1 Slot 0



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)	2019.06.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.0607386415

A.2 Comments