

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 22274 - L2 Version 1
Chandra X-Ray Center

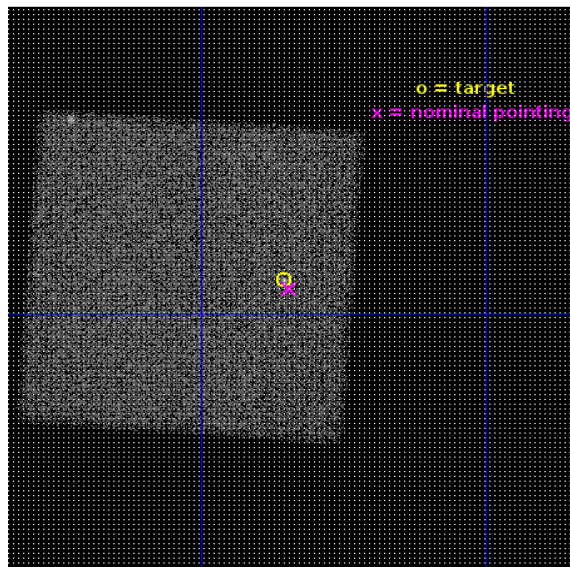
L2 Processing Date : Jul 3 2019

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1 Front

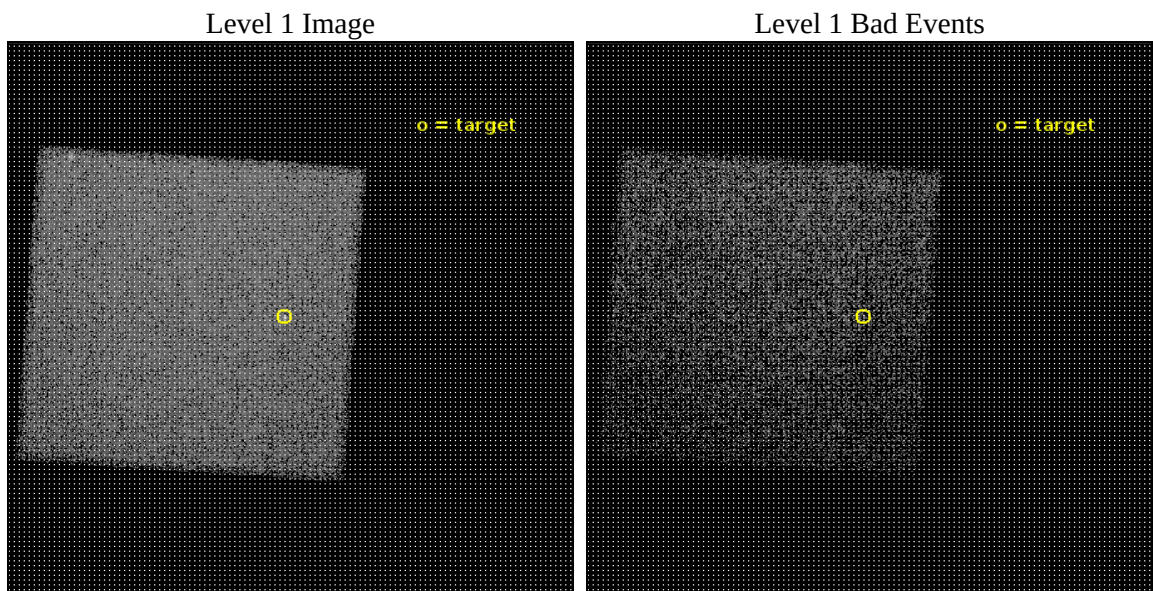
seq_num	201267	Sequence number
obs_id	22274	Observation id
title	Stellar activity with TESS and Chandra	Proposal title
observer	Hans Guenther	Principal investigator
object	2RXS J184350.8-064920	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	280.963501	Observer's specified target RA [deg]
dec_targ	-6.818114	Observer's specified target Dec [deg]
ra_nom	280.96112617653	Nominal RA [deg]
dec_nom	-6.8222261264224	Nominal Dec [deg]
roll_nom	183.91656690539	Nominal Roll [deg]
revision	1	Processing version of data
ontime	18651.0	Sum of GTIs [s]
livetime	18399.297608713	Livetime [s]
ontime7	18651.0	Sum of GTIs [s]
l2events	79296	Number of level 2 events



2 OBI

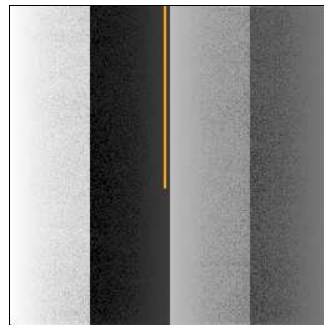
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	18559.627000	[s] Scheduled observation exposure time
ascdsver	10.8	Processing system revision	ontime	18651.0	Sum of GTIs [s]
caldsver	4.8.3.1	 	ontime7	18651.0	Sum of GTIs [s]
date	2019-07-04T03:13:52	Date and time of file creation	l1events	183637	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

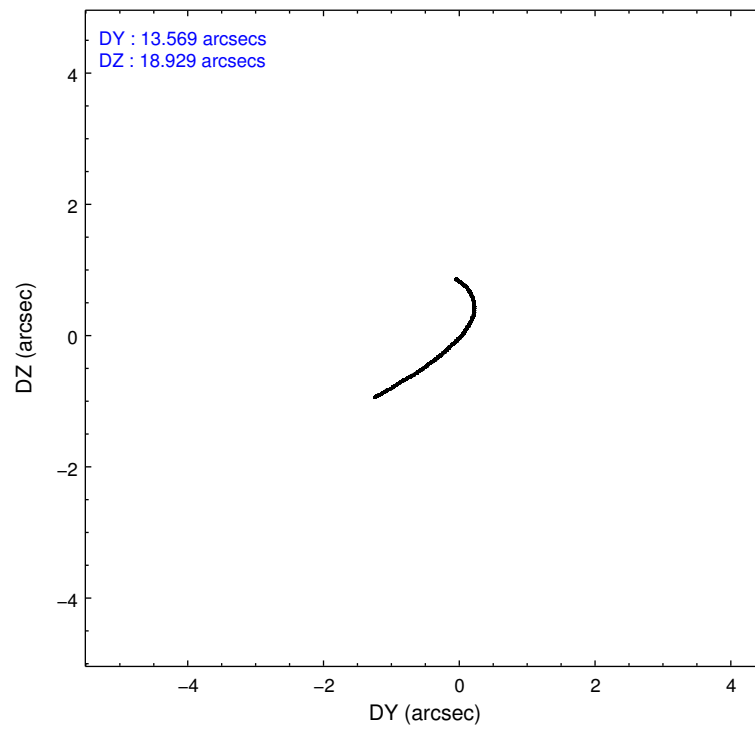
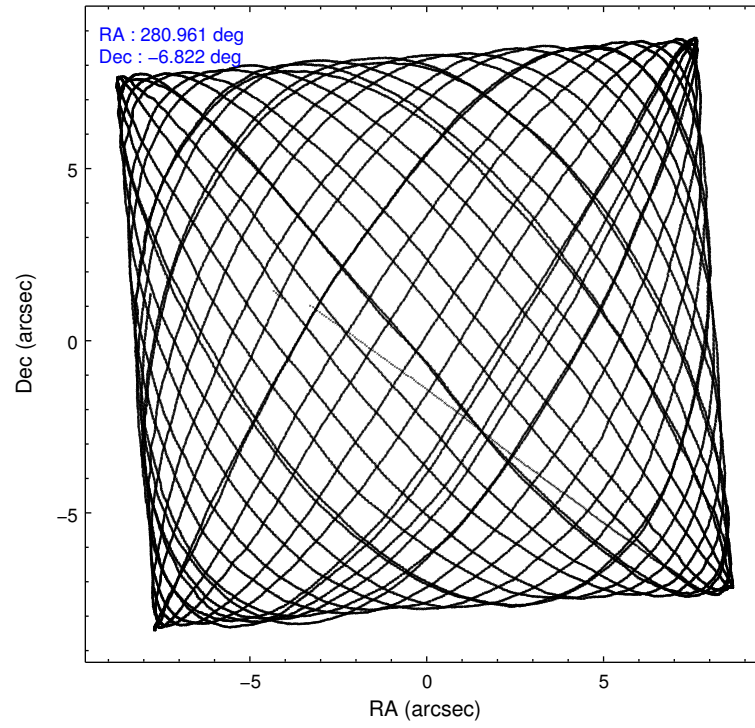
	ccd 7
level 1 events	183637
rejected events	102212
rejected %	55%

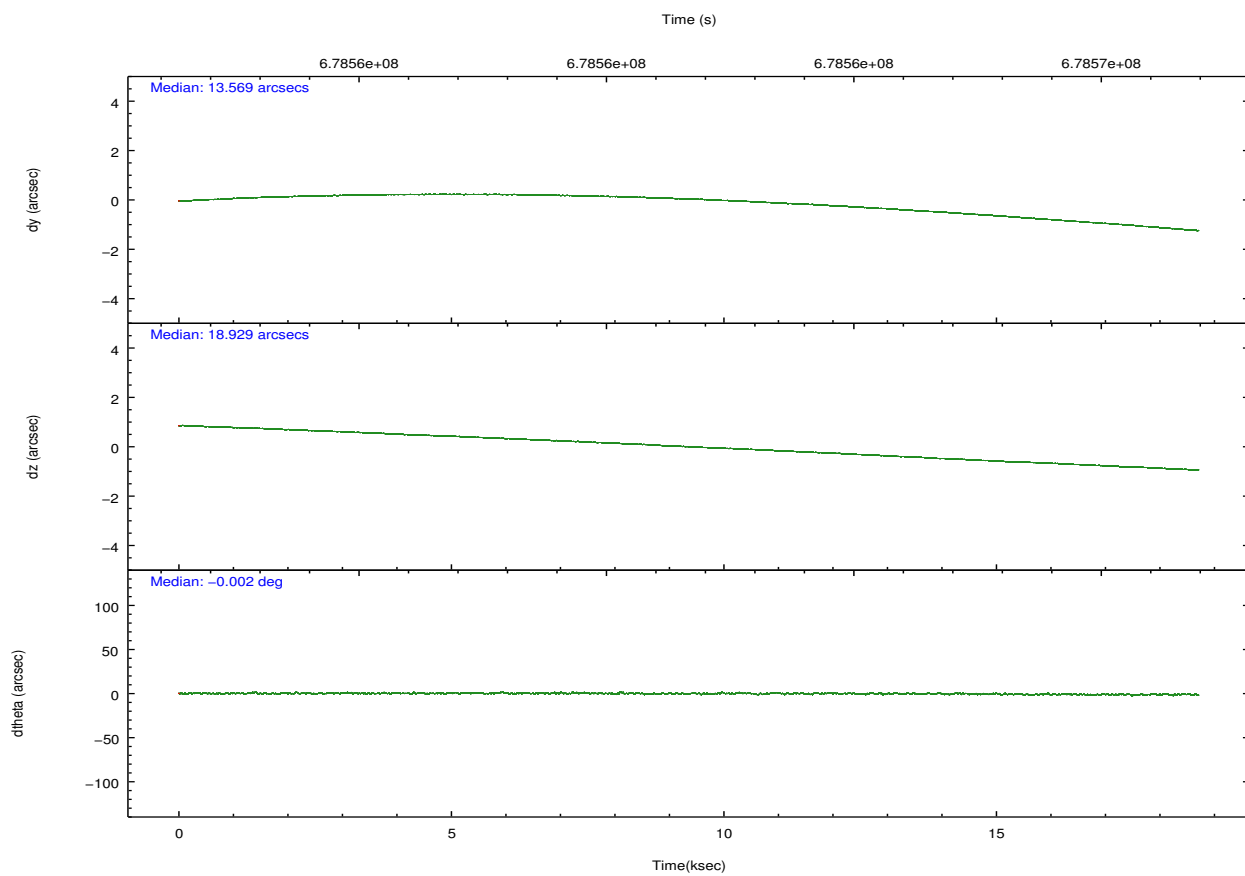
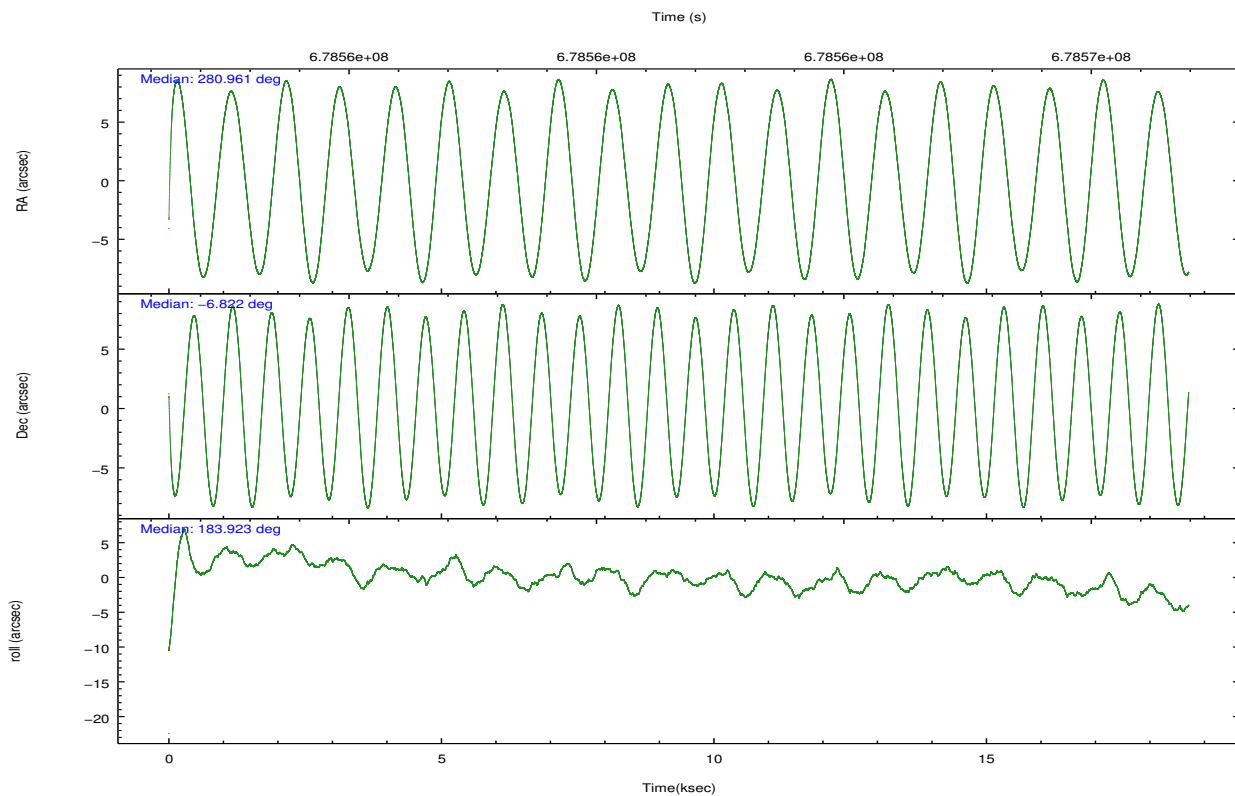
	ccd 7
grade 0 events	7367
	4%
grade 1 events	261
	0%
grade 2 events	17779
	9%
grade 3 events	6291
	3%
grade 4 events	6334
	3%
grade 5 events	18012
	9%
grade 6 events	43678
	23%
grade 7 events	83915
	45%

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	280.983852	280.9611261765332	Subarray requested	NONE	NONE
[deg] Pointing Dec	-6.806591	-6.822226126422426	Alternating exposures requested	N	N
[deg] Pointing Roll	183.762638	183.9165669053897	[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)	678552473.184000	678551300.66154			
Observation start date	2019-07-03T14:46:44	2019-07-03T14:28:20			
[s] Observation end time (MET)	678571033.184000	678571939.55027			
Observation end date	2019-07-03T19:56:04	2019-07-03T20:12:19			
Read mode	TIMED	TIMED			

2.3 Aspect



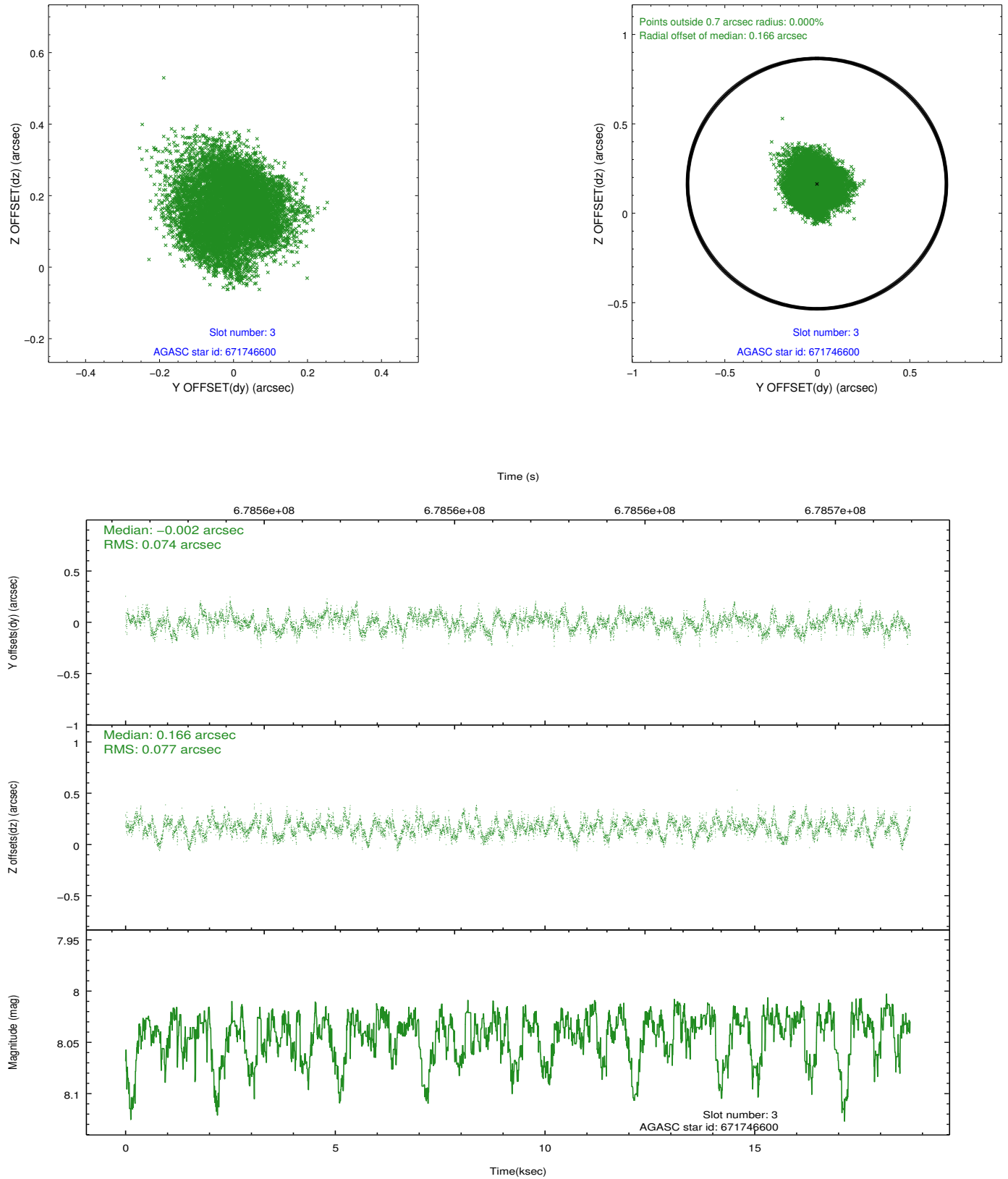


Slot Statistics

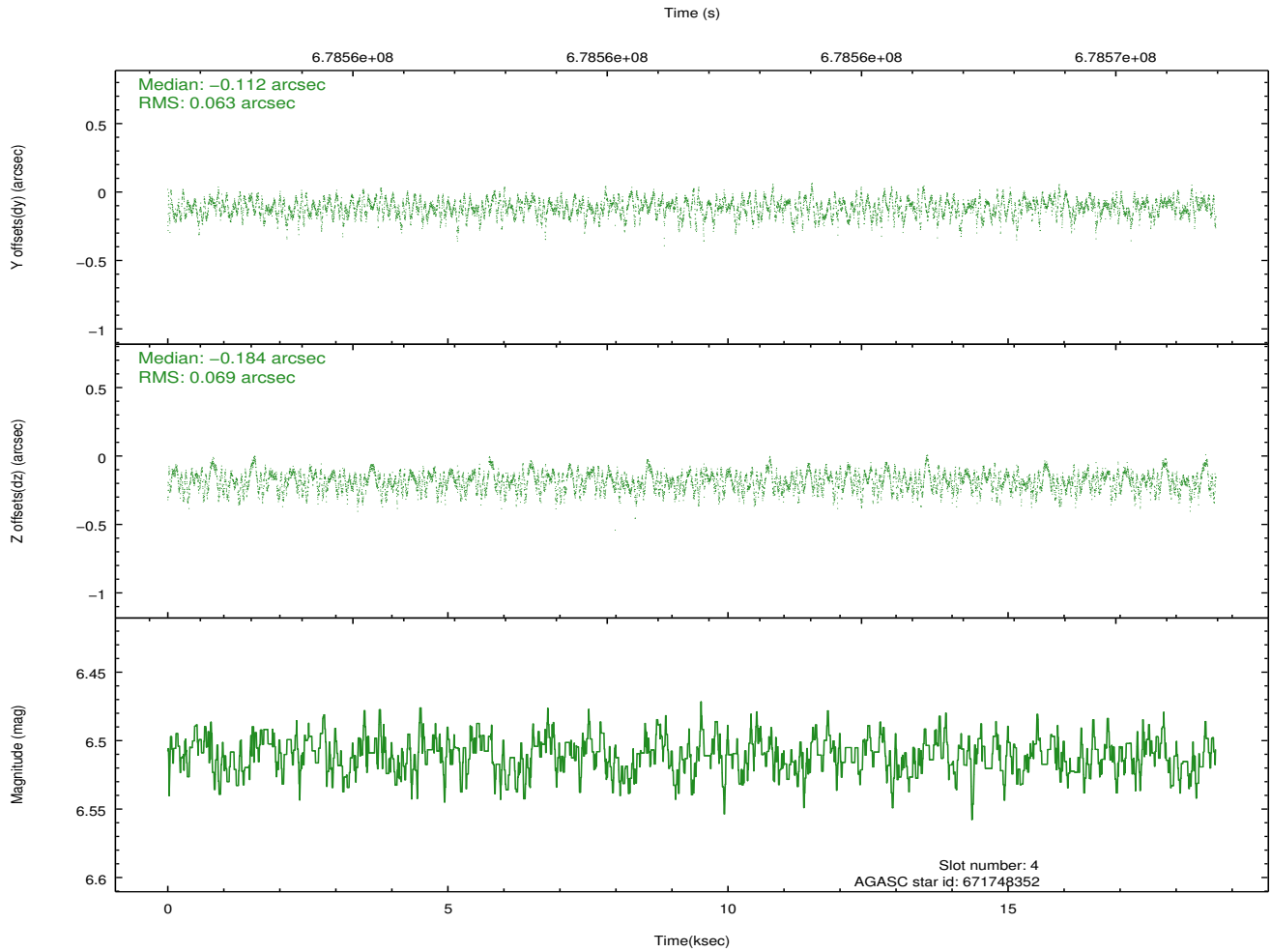
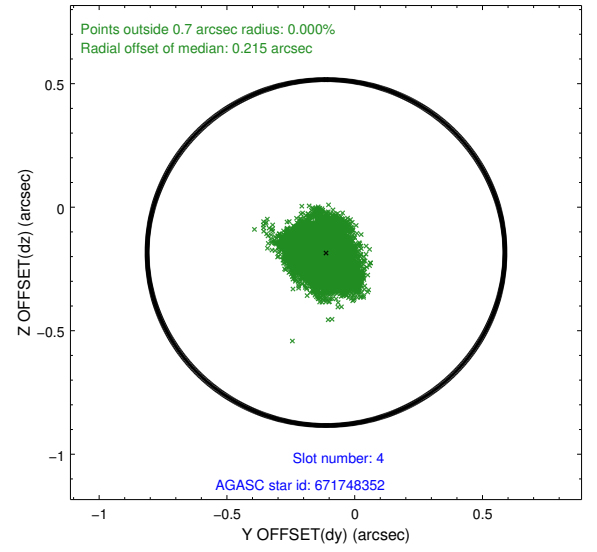
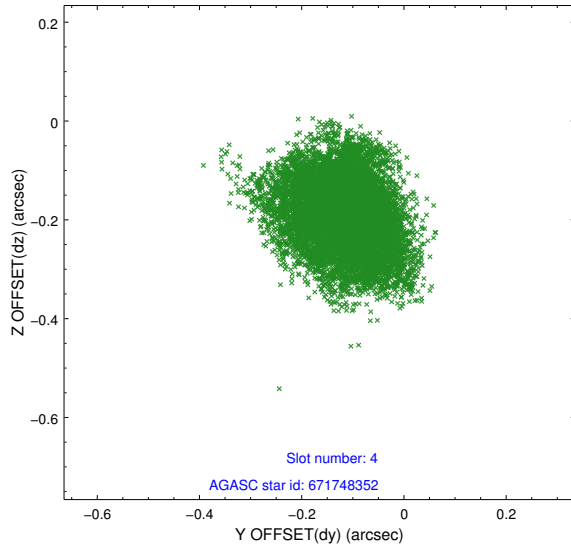
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.13	4564	1.000	0.238	0.074	0.013	0.020	0.000000	0.000000	929.88	-1735
1	FID		ACIS-S-3	7.29	4564	1.000	-0.274	-0.173	0.016	0.025	0.000000	0.000000	46.77	-1869
2	FID		ACIS-S-6	7.28	4563	1.000	0.018	0.104	0.021	0.037	0.000000	0.000000	395.53	805
3	GUIDE	used	671746600	8.04	9124	1.000	-0.002	0.166	0.117	0.178	281.138926	-7.110597	-480.48	1128
4	GUIDE	used	671748352	6.51	9128	1.000	-0.112	-0.184	0.100	0.159	280.963471	-6.818120	75.13	37
5	GUIDE	used	671749048	7.85	9124	1.000	-0.462	-0.200	0.117	0.172	280.425655	-7.271085	2099.00	1538
6	GUIDE	used	671891480	8.27	9125	1.000	0.159	-0.488	0.096	0.159	281.305444	-6.969181	-1107.44	659
7	GUIDE	used	671896120	7.53	9124	1.000	0.423	0.717	0.069	0.115	281.508693	-6.252024	-2004.82	-1867

2.4 Star Slots

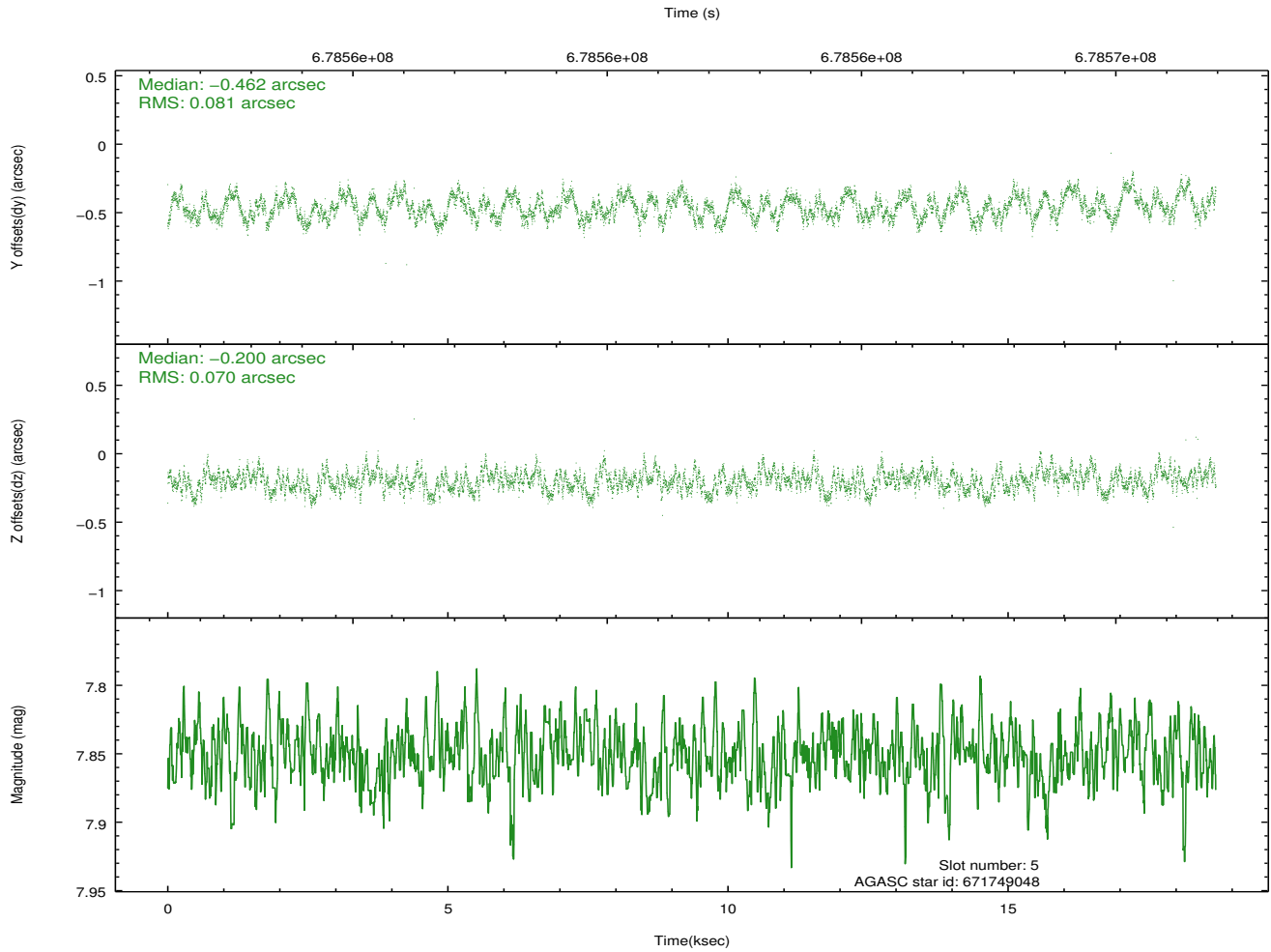
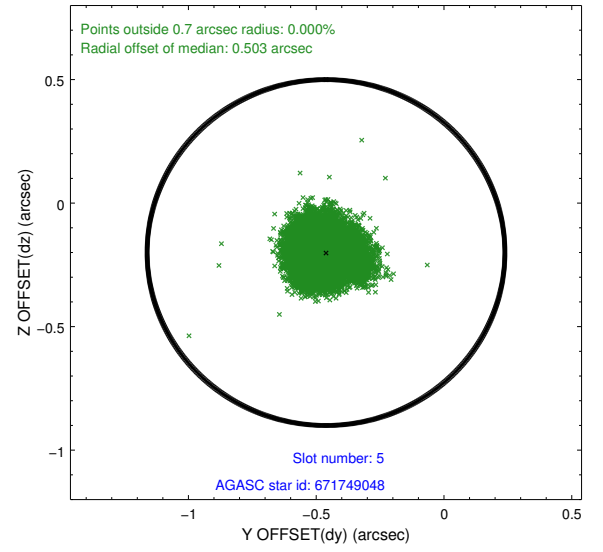
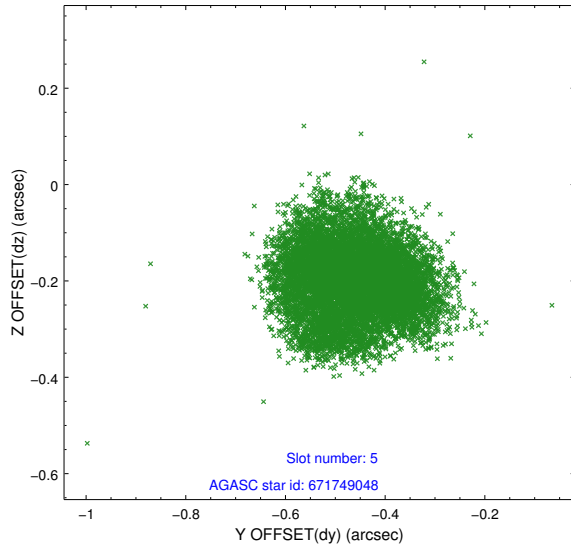
2.4.1 Slot 3



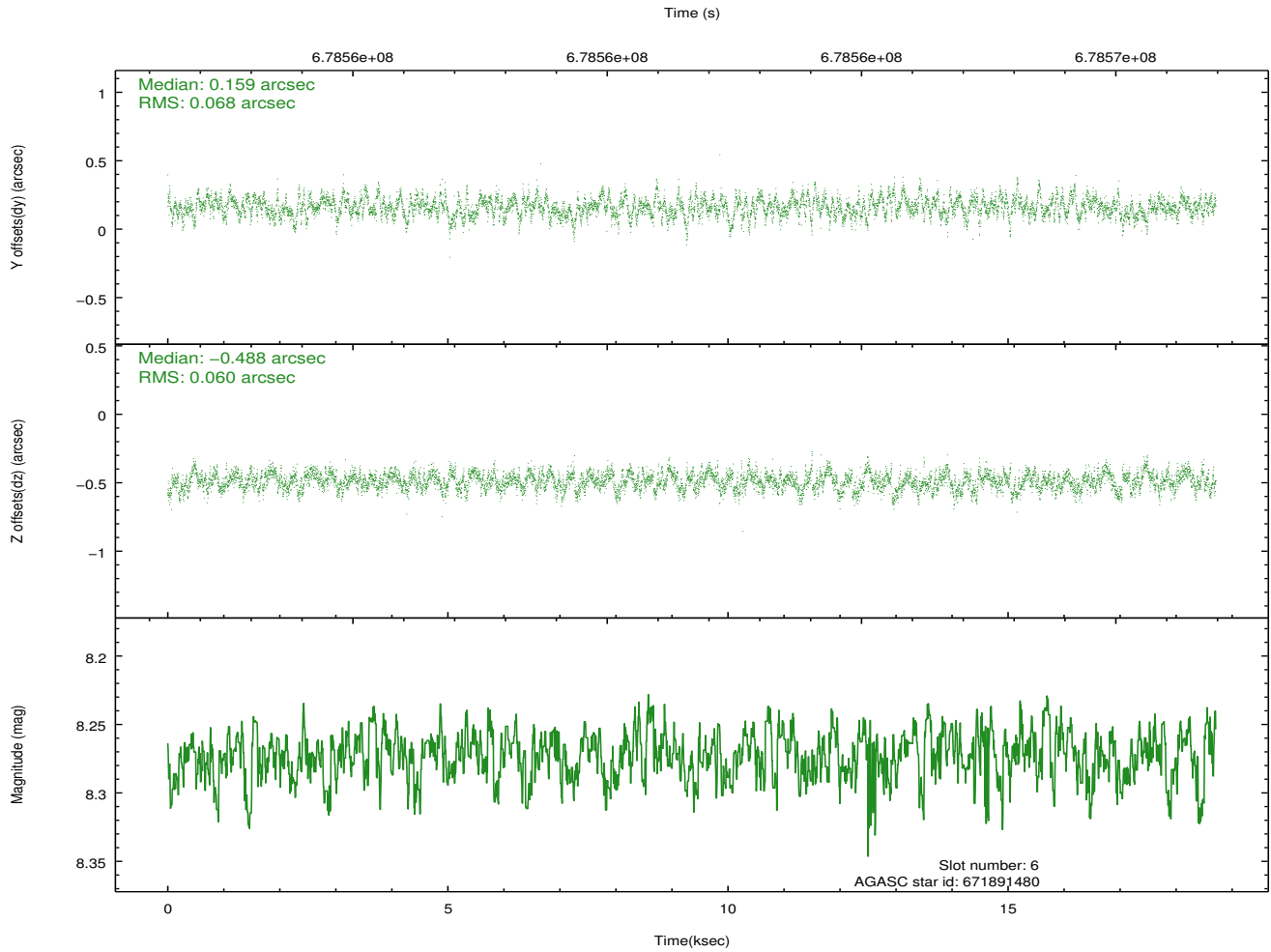
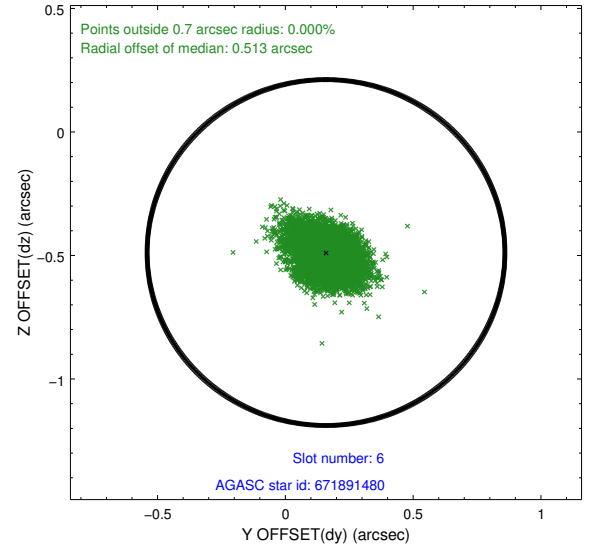
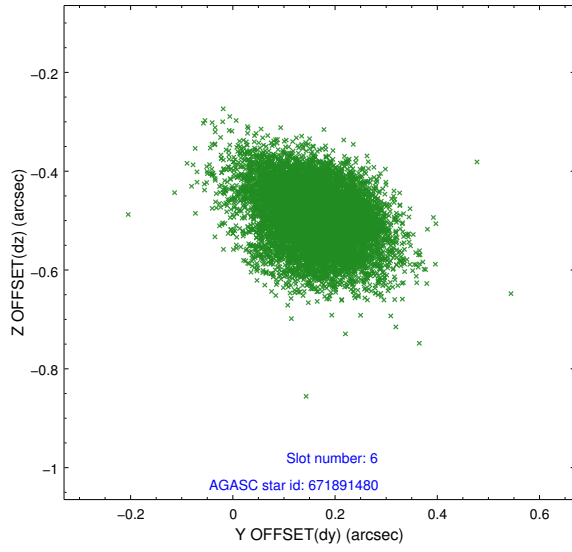
2.4.2 Slot 4



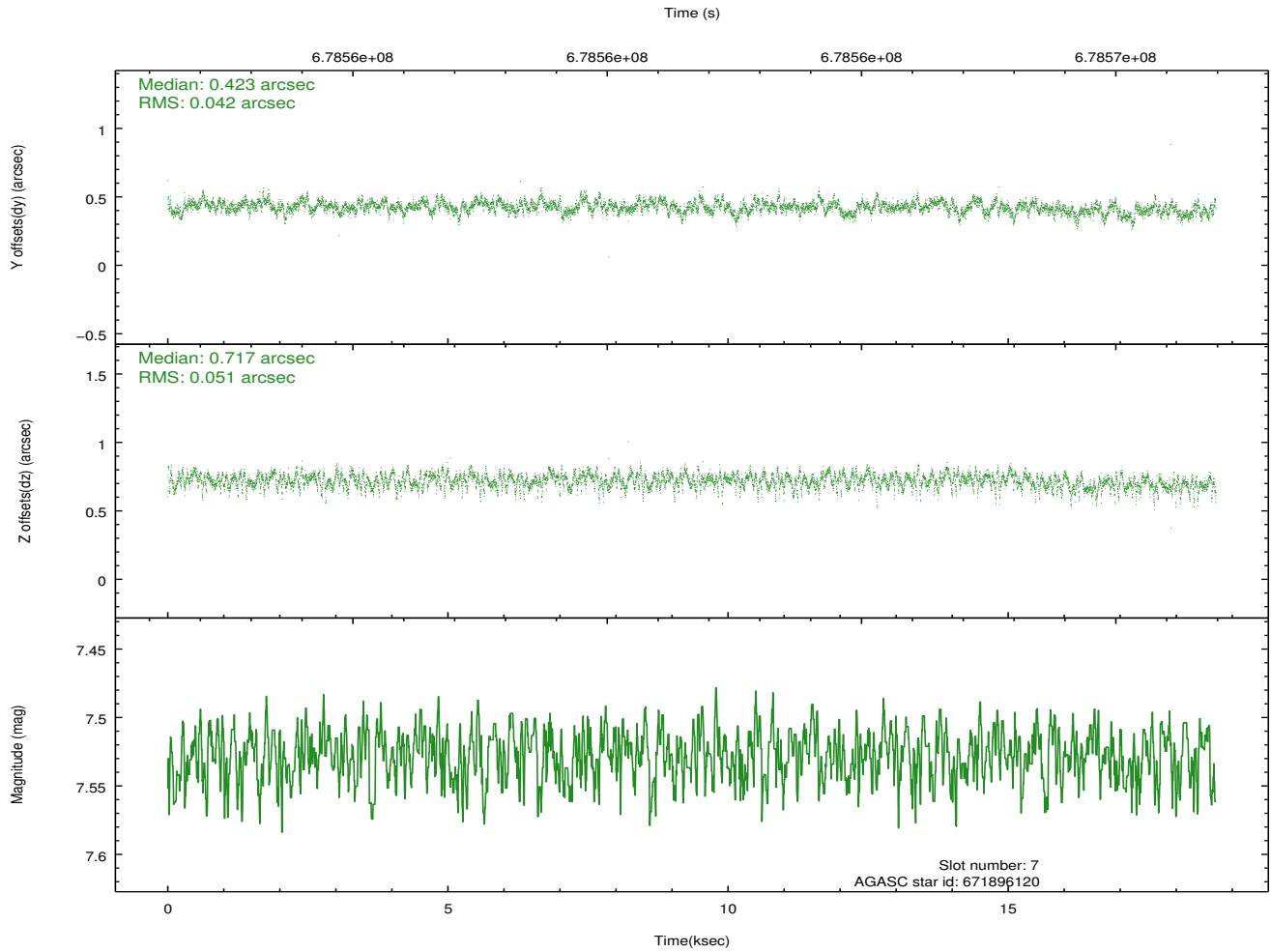
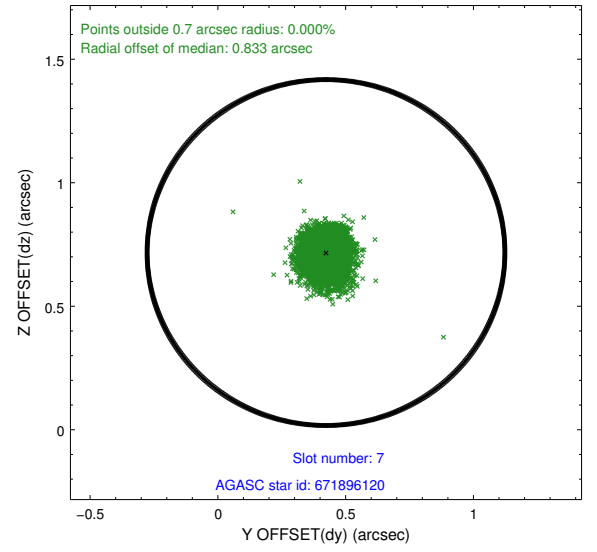
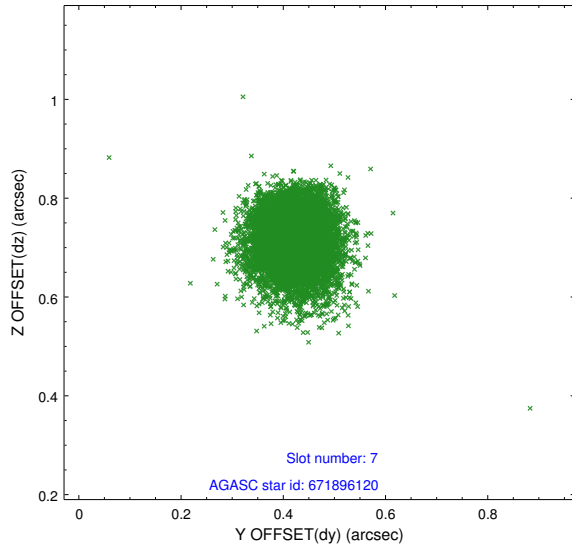
2.4.3 Slot 5



2.4.4 Slot 6

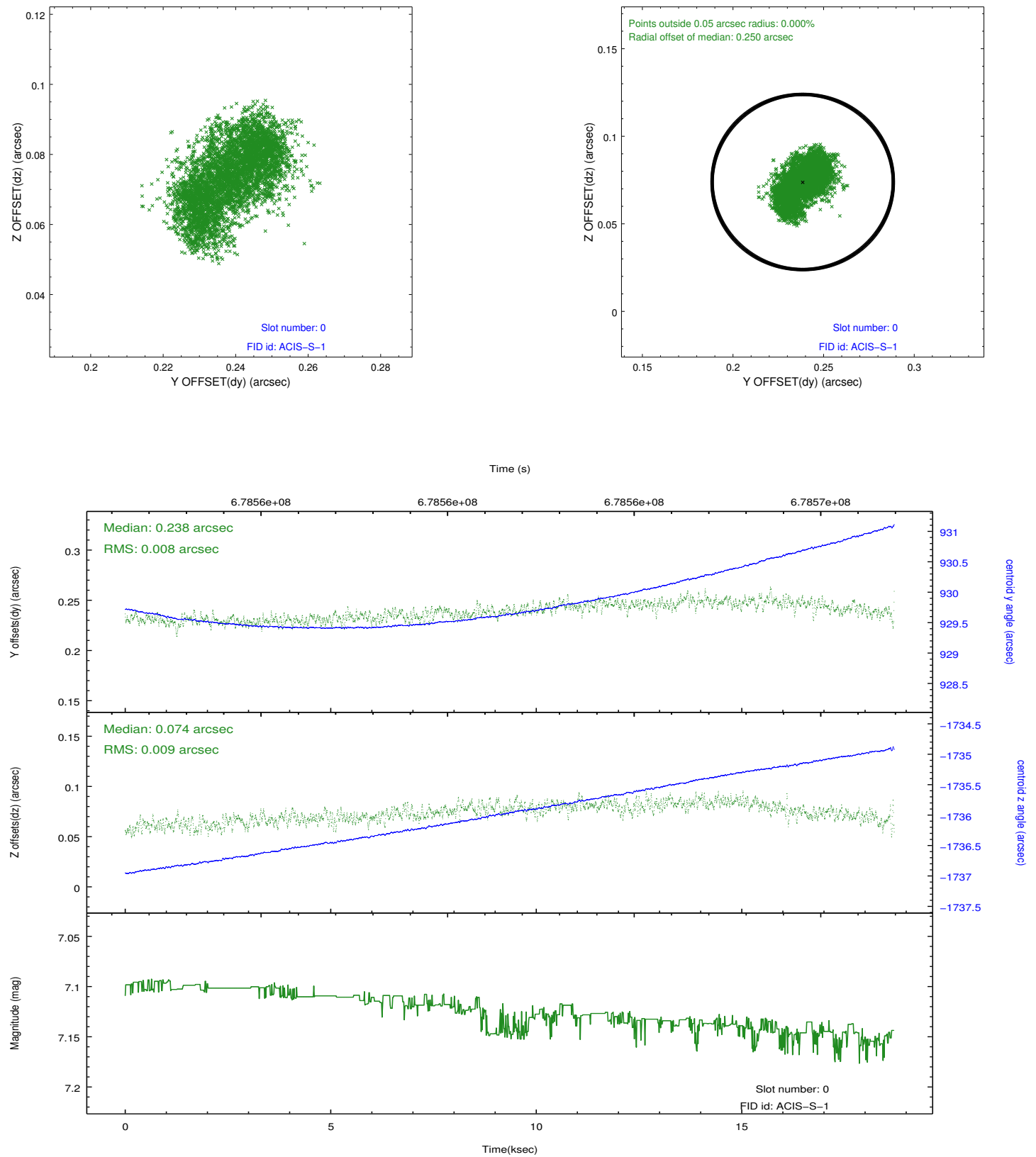


2.4.5 Slot 7

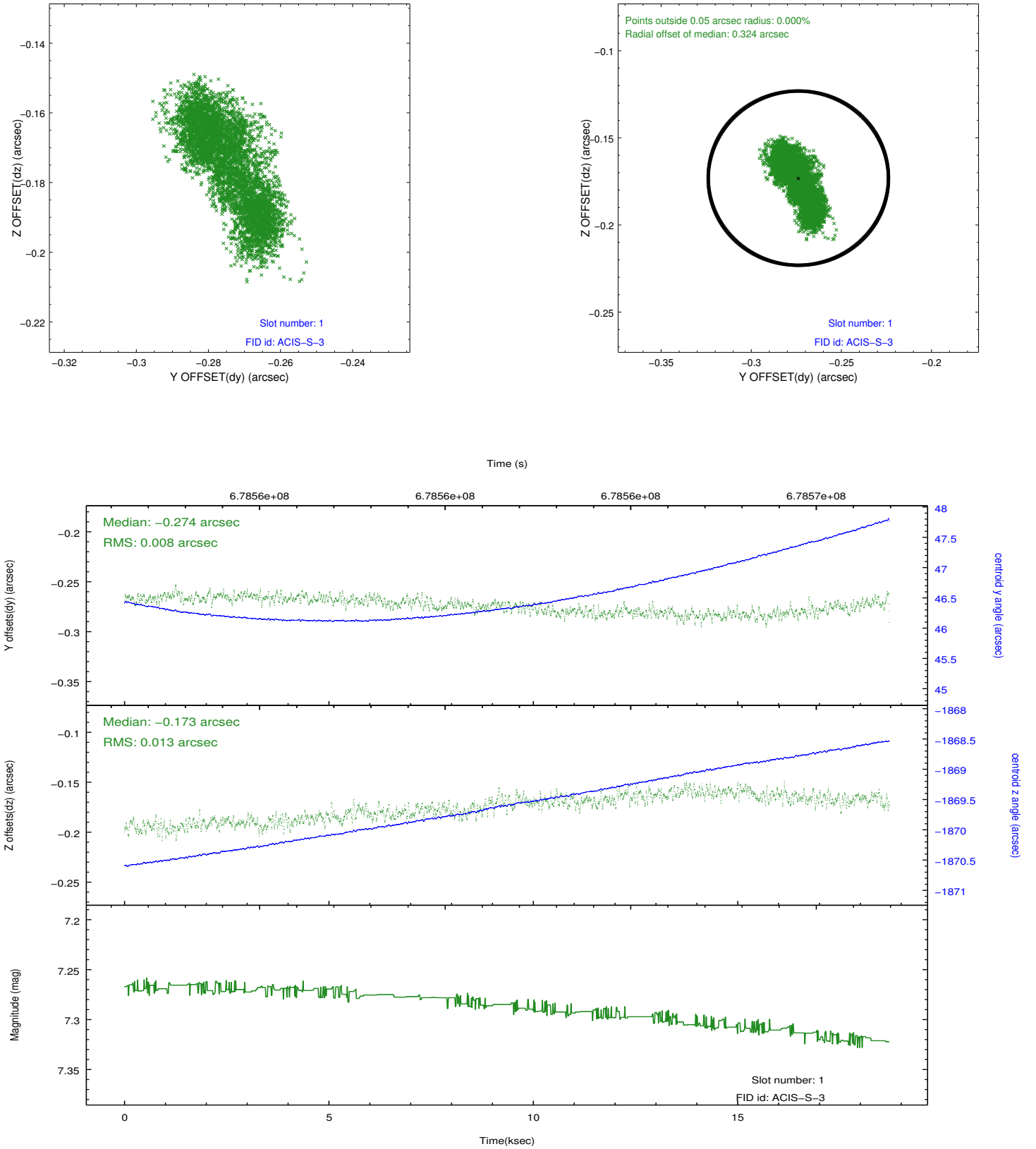


2.5 FID Slots

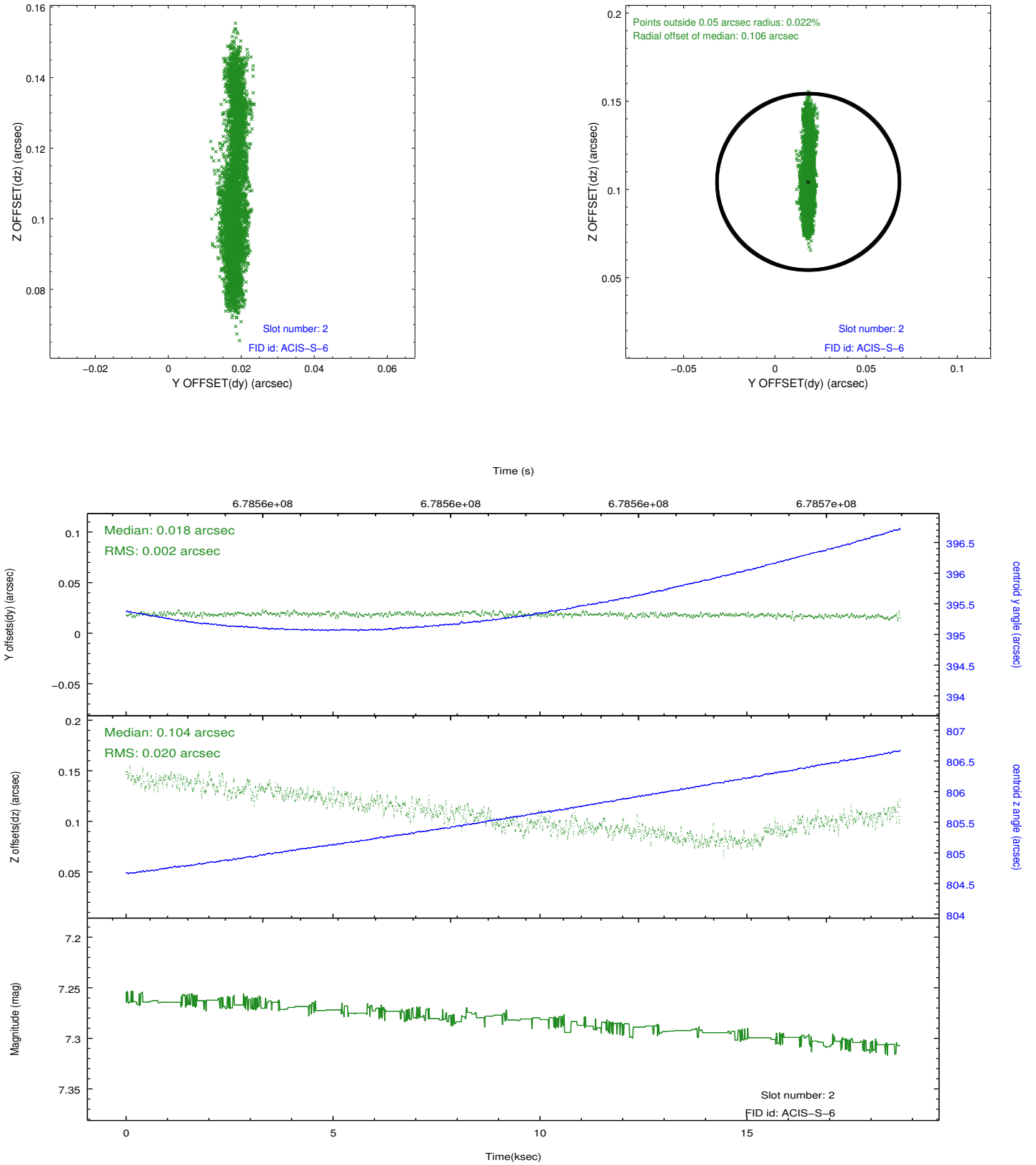
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2019.07.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.651

A.2 Comments