

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21504 - L2 Version 1
Chandra X-Ray Center

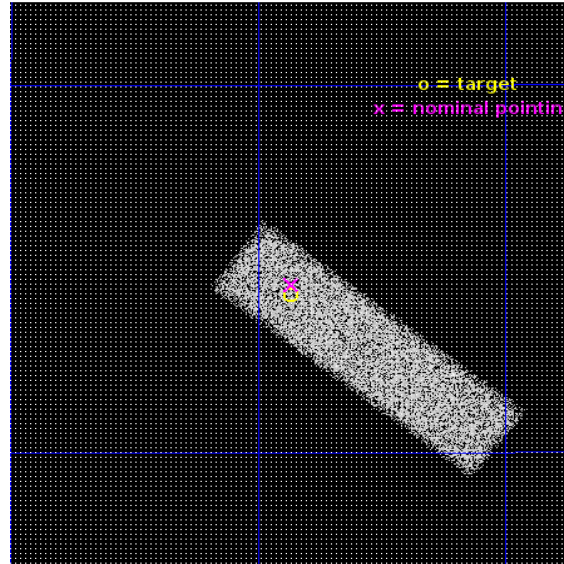
L2 Processing Date : Jan 7 2019

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1 Front

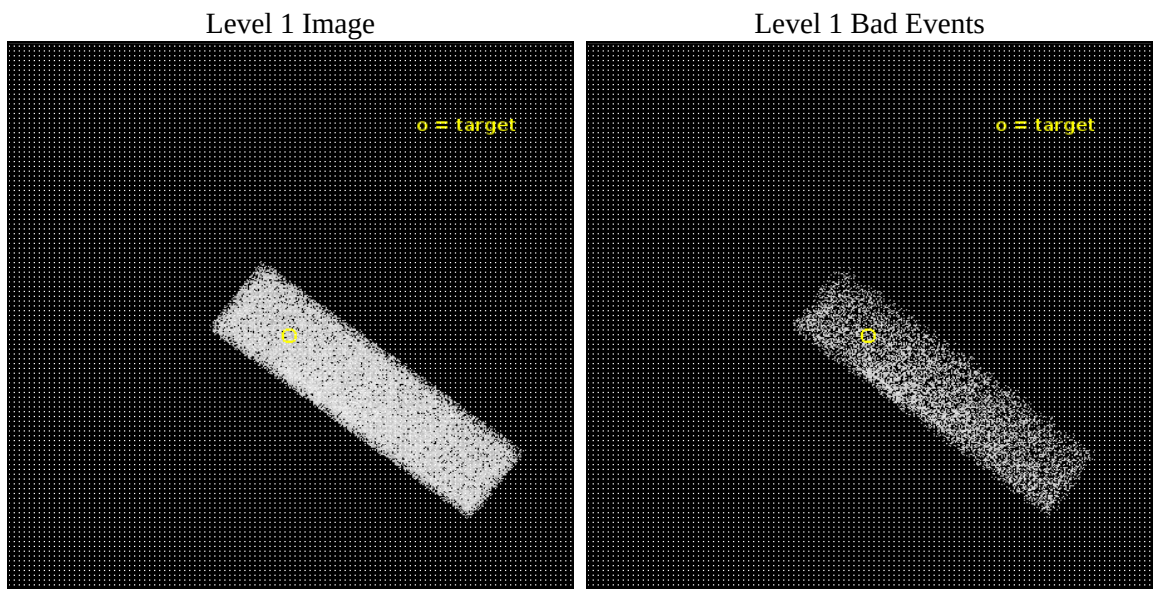
seq_num	703797	Sequence number
obs_id	21504	Observation id
title	Late-Time Emission from Tidal Disruption Flares: Supermassive Black Holes Caught in State Changes?	Proposal title
observer	Nicholas Stone	Principal investigator
object	PTF-09djl	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	248.483333	Observer's specified target RA [deg]
dec_targ	30.237972	Observer's specified target Dec [deg]
ra_nom	248.48308996831	Nominal RA [deg]
dec_nom	30.242676427951	Nominal Dec [deg]
roll_nom	37.156735815466	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20060.798804283	Sum of GTIs [s]
livetime	19081.897464361	Livetime [s]
ontime7	20060.798804283	Sum of GTIs [s]
l2events	22568	Number of level 2 events



2 OBI

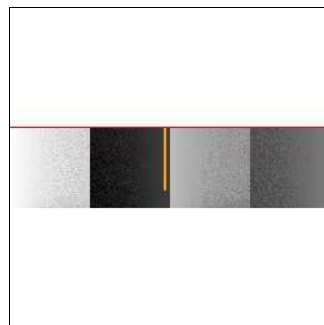
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	20060.798804283	Sum of GTIs [s]
caldsver	4.8.2	 	ontime7	20060.798804283	Sum of GTIs [s]
date	2019-01-07T04:49:23	Date and time of file creation	l1events	48928	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

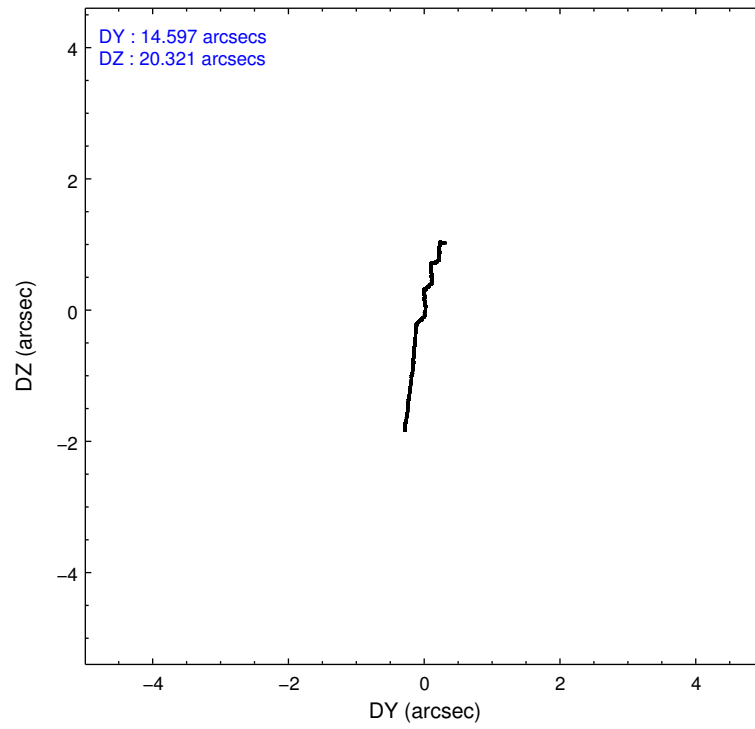
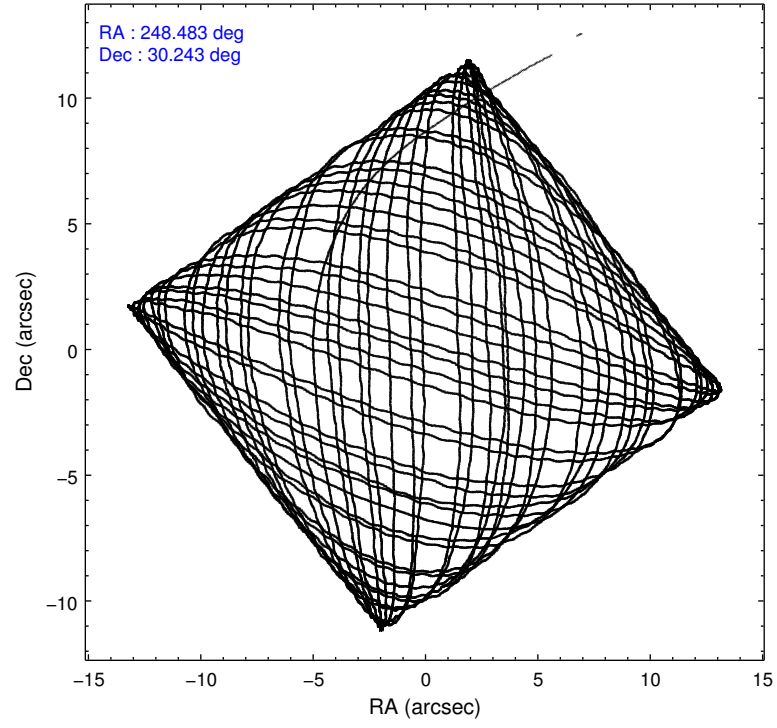
	ccd 7
level 1 events	48928
rejected events	25520
rejected %	52%

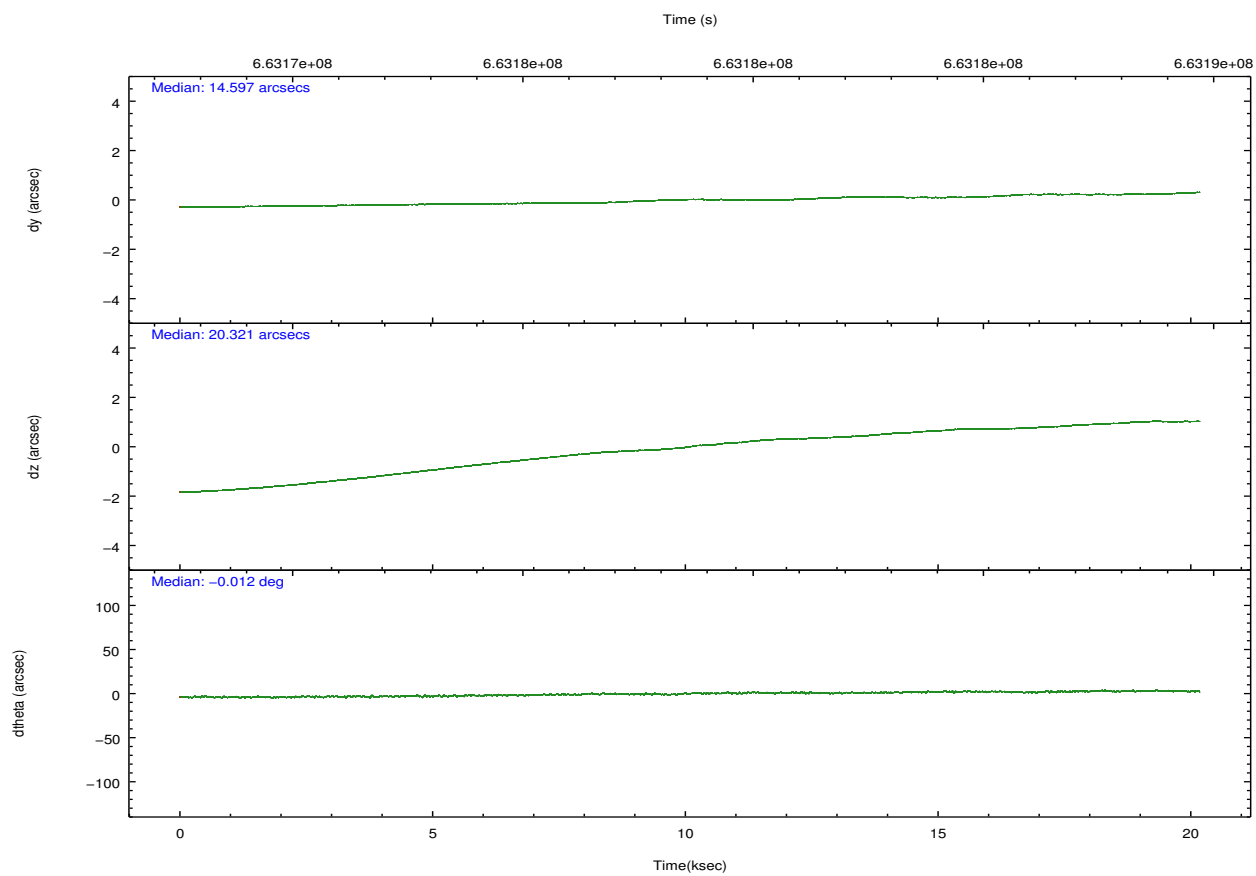
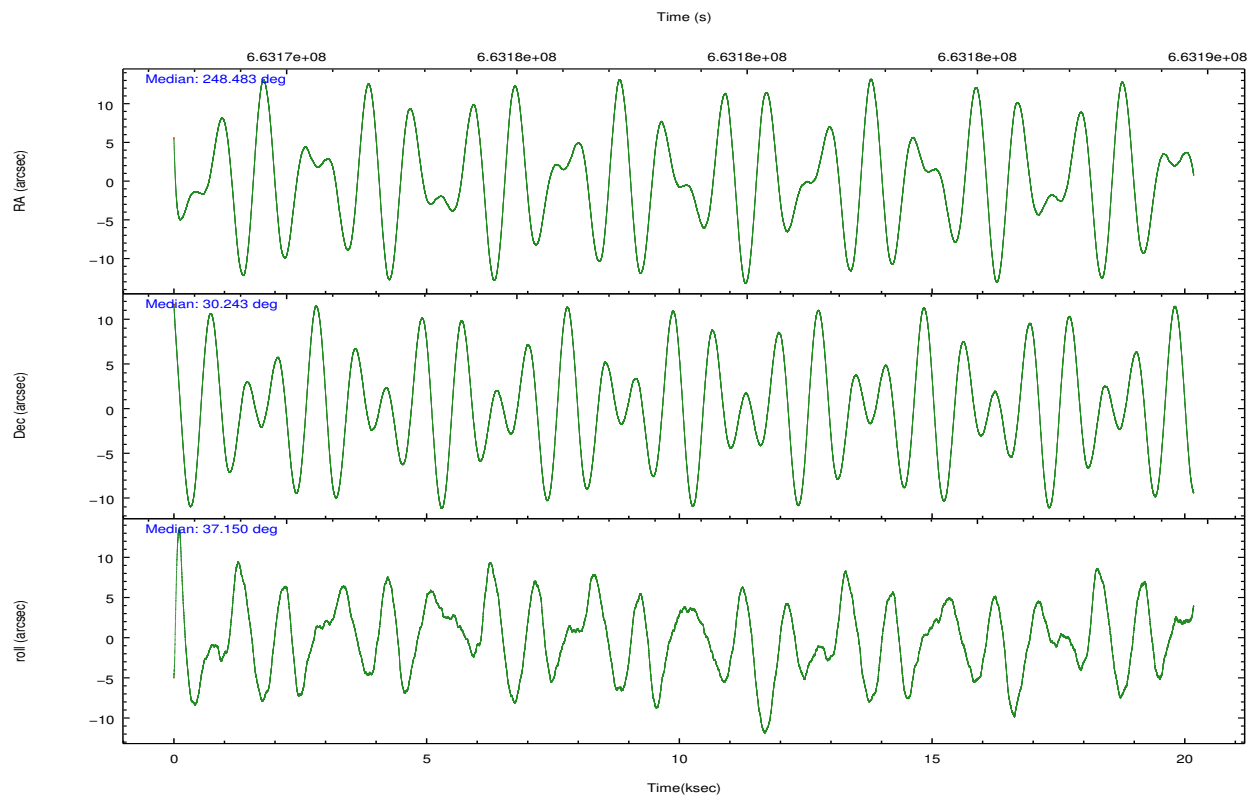
	ccd 7
grade 0 events	2290
	4%
grade 1 events	68
	0%
grade 2 events	4604
	9%
grade 3 events	2520
	5%
grade 4 events	2607
	5%
grade 5 events	5023
	10%
grade 6 events	11387
	23%
grade 7 events	20429
	41%

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	248.471142	248.4830899683075	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	30.217249	30.24267642795132	Subarray start row	385	385
[deg] Pointing Roll	37.006141	37.15673581546582	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)	663168715.184000	663167368.9157701			
Observation start date	2019-01-06T13:30:46	2019-01-06T13:09:28			
[s] Observation end time (MET)	663188715.184000	663189637.5546			
Observation end date	2019-01-06T19:04:06	2019-01-06T19:20:37			
Read mode	TIMED	TIMED			

2.3 Aspect



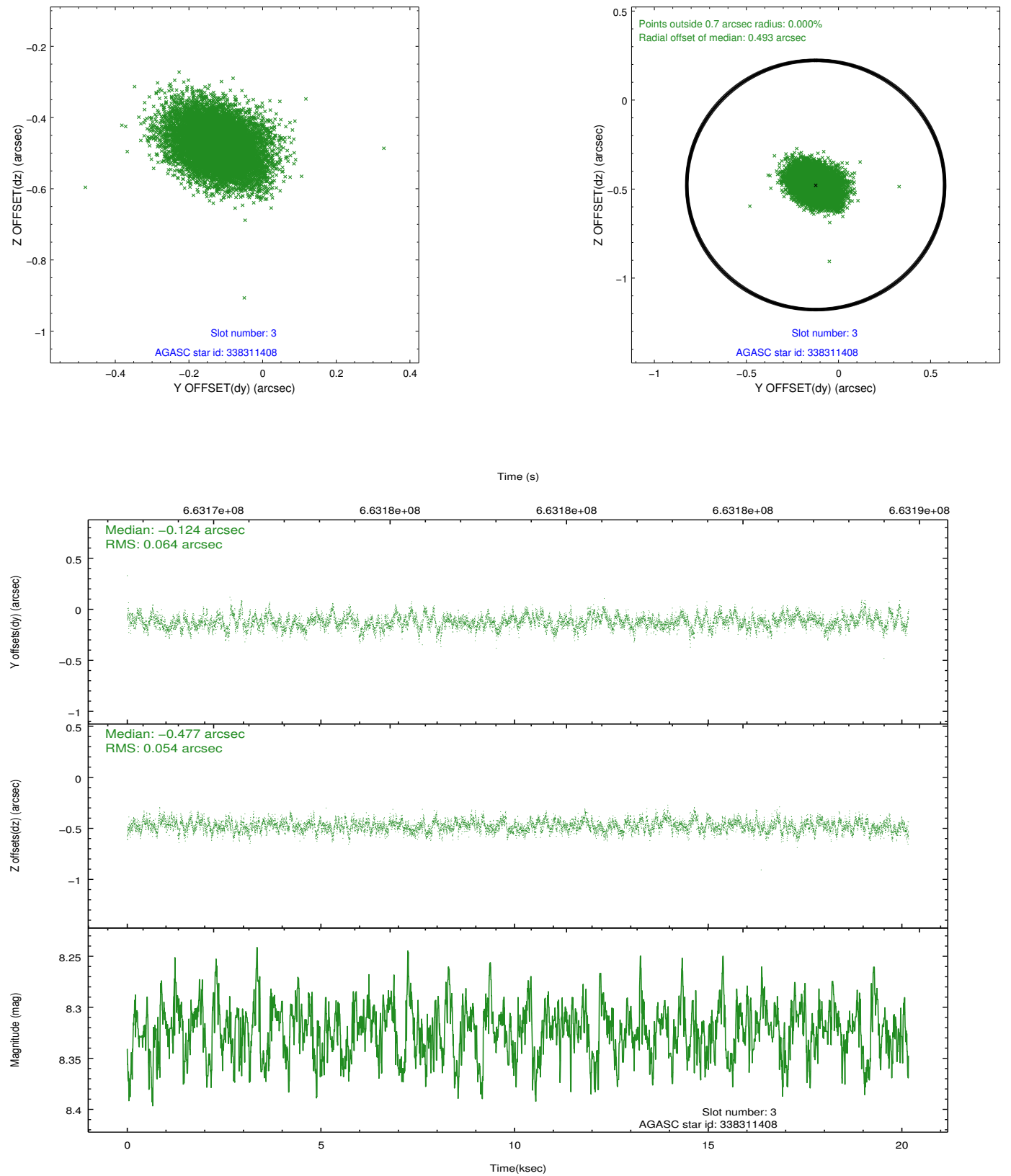


Slot Statistics

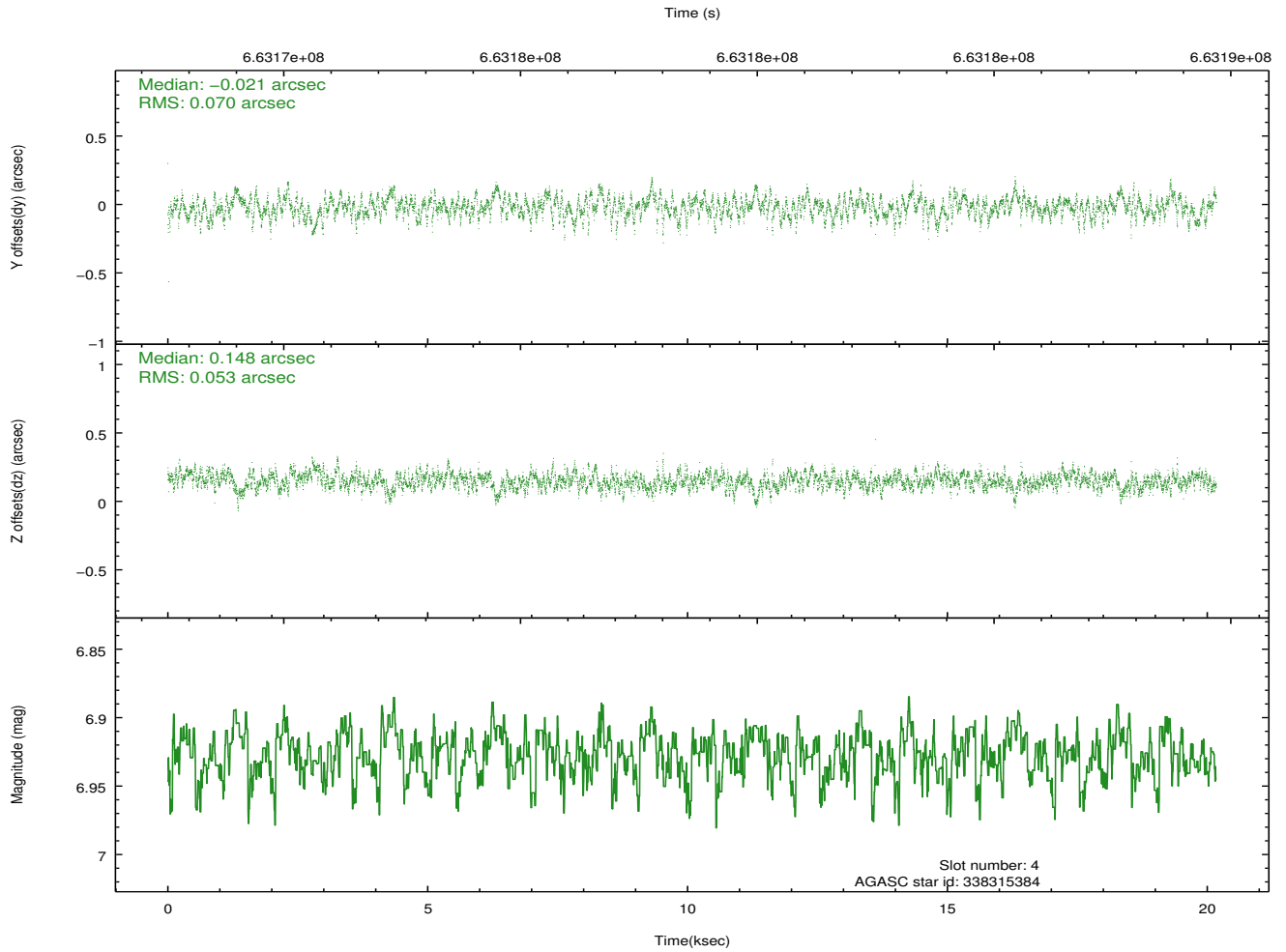
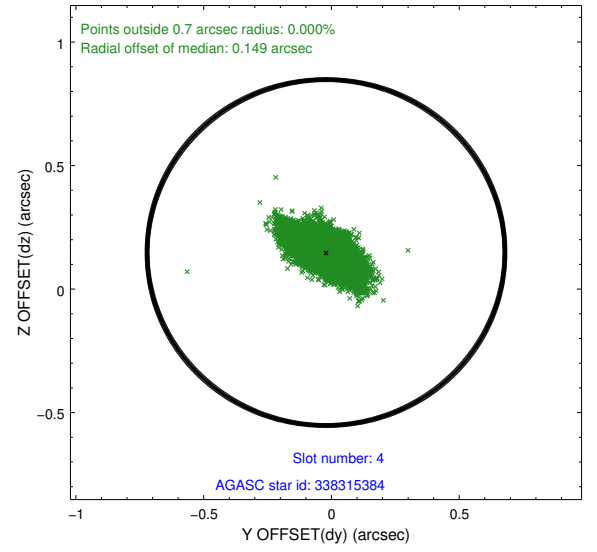
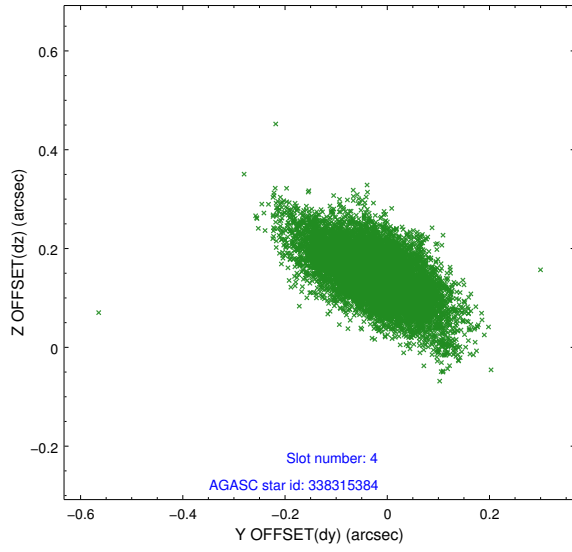
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.18	4922	1.000	0.414	-0.102	0.014	0.020	0.000000	0.000000	929.11	-1737
1	FID		ACIS-S-2	7.09	4922	1.000	-0.224	-0.084	0.020	0.065	0.000000	0.000000	-767.33	-1742
2	FID		ACIS-S-5	7.19	4921	1.000	-0.214	0.191	0.027	0.055	0.000000	0.000000	-1820.96	160
3	GUIDE	used	338311408	8.32	9835	1.000	-0.124	-0.477	0.088	0.148	248.875123	30.603545	1837.87	359
4	GUIDE	used	338315384	6.93	9841	1.000	-0.021	0.148	0.089	0.162	248.090222	30.123741	-1148.38	445
5	GUIDE	used	338315576	7.21	9838	1.000	-0.136	-0.350	0.134	0.207	248.371340	30.499065	362.61	997
6	GUIDE	used	269485184	8.69	9829	1.000	0.101	0.600	0.143	0.232	248.976155	29.745357	240.42	-2303
7	GUIDE	used	338443632	8.89	9827	1.000	0.180	0.080	0.222	0.419	249.461092	30.011398	2027.03	-2438

2.4 Star Slots

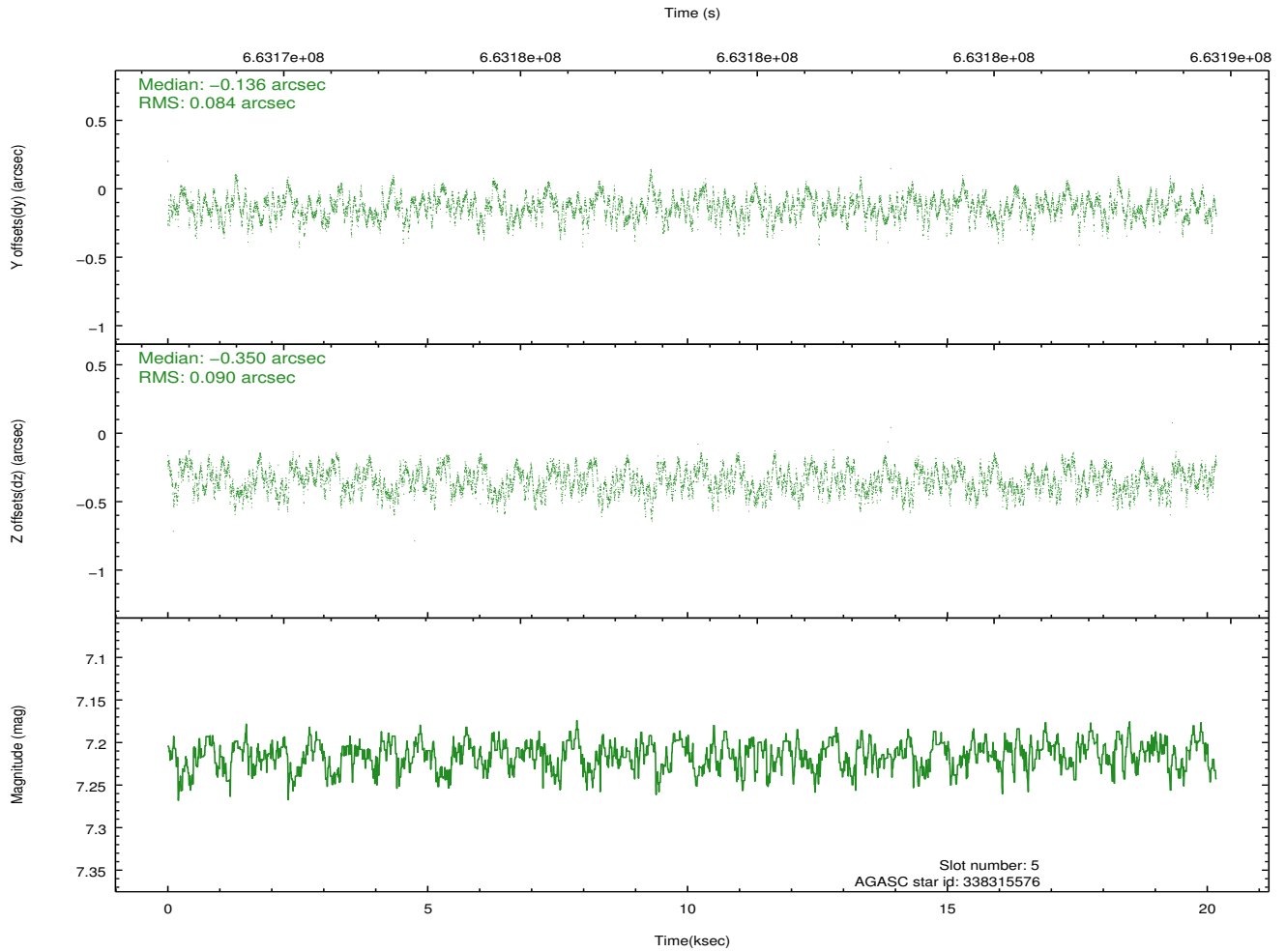
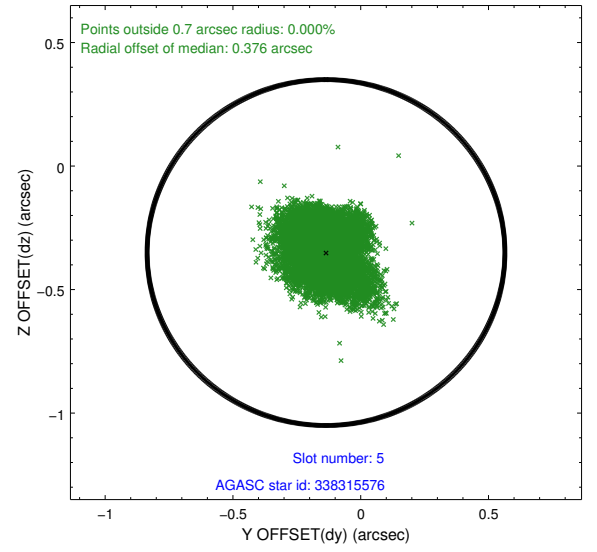
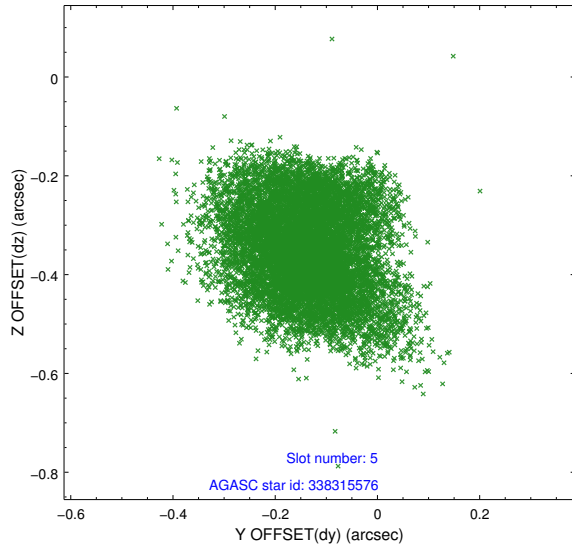
2.4.1 Slot 3



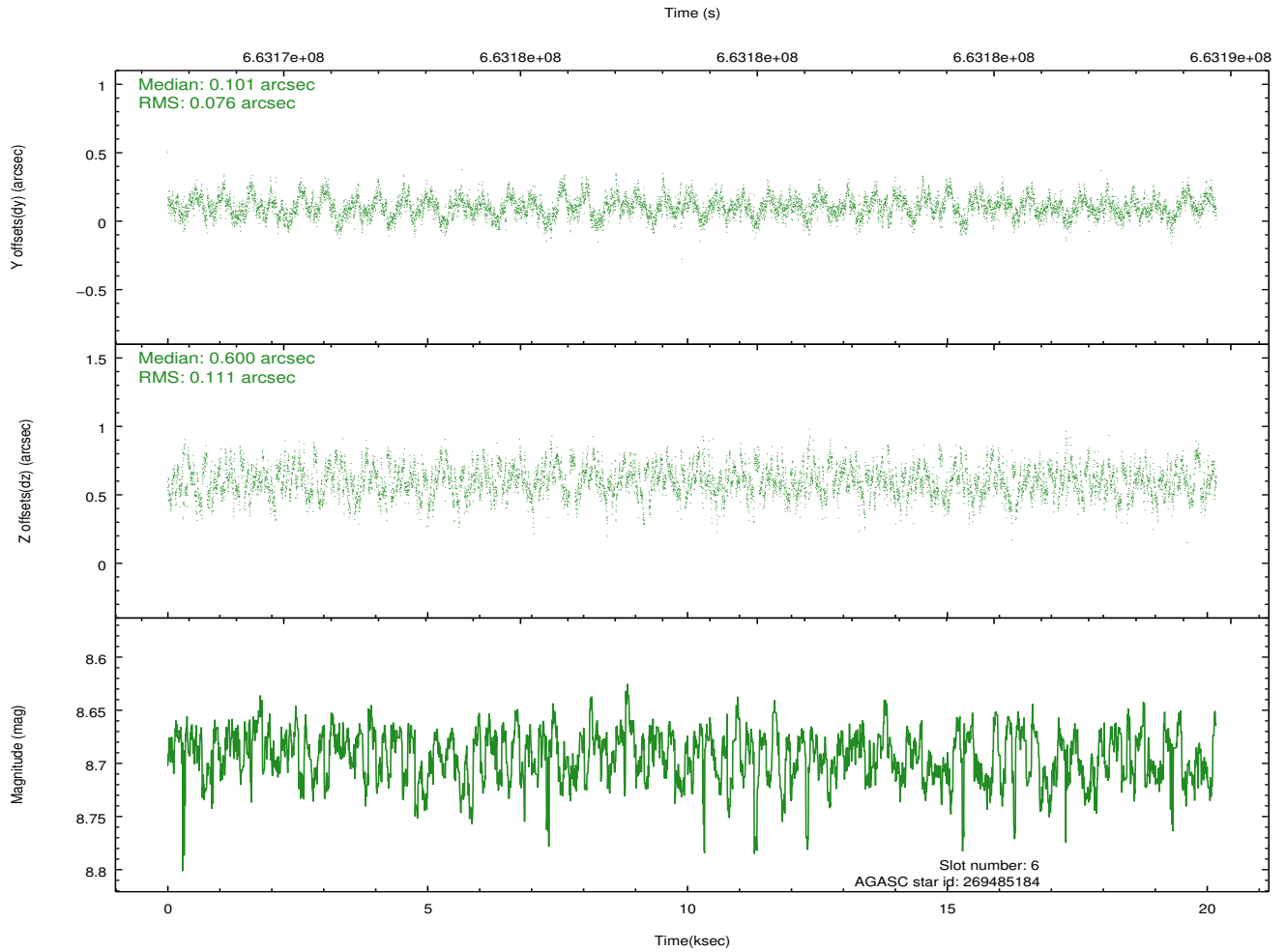
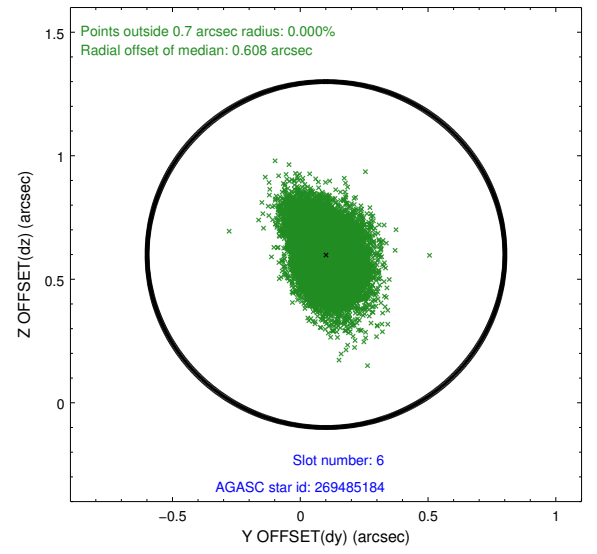
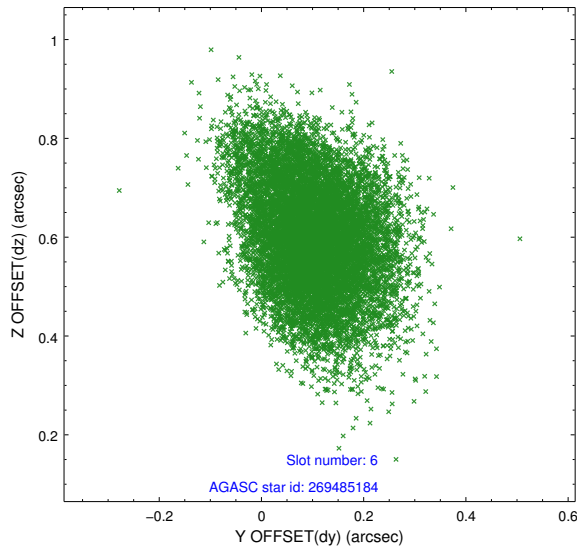
2.4.2 Slot 4



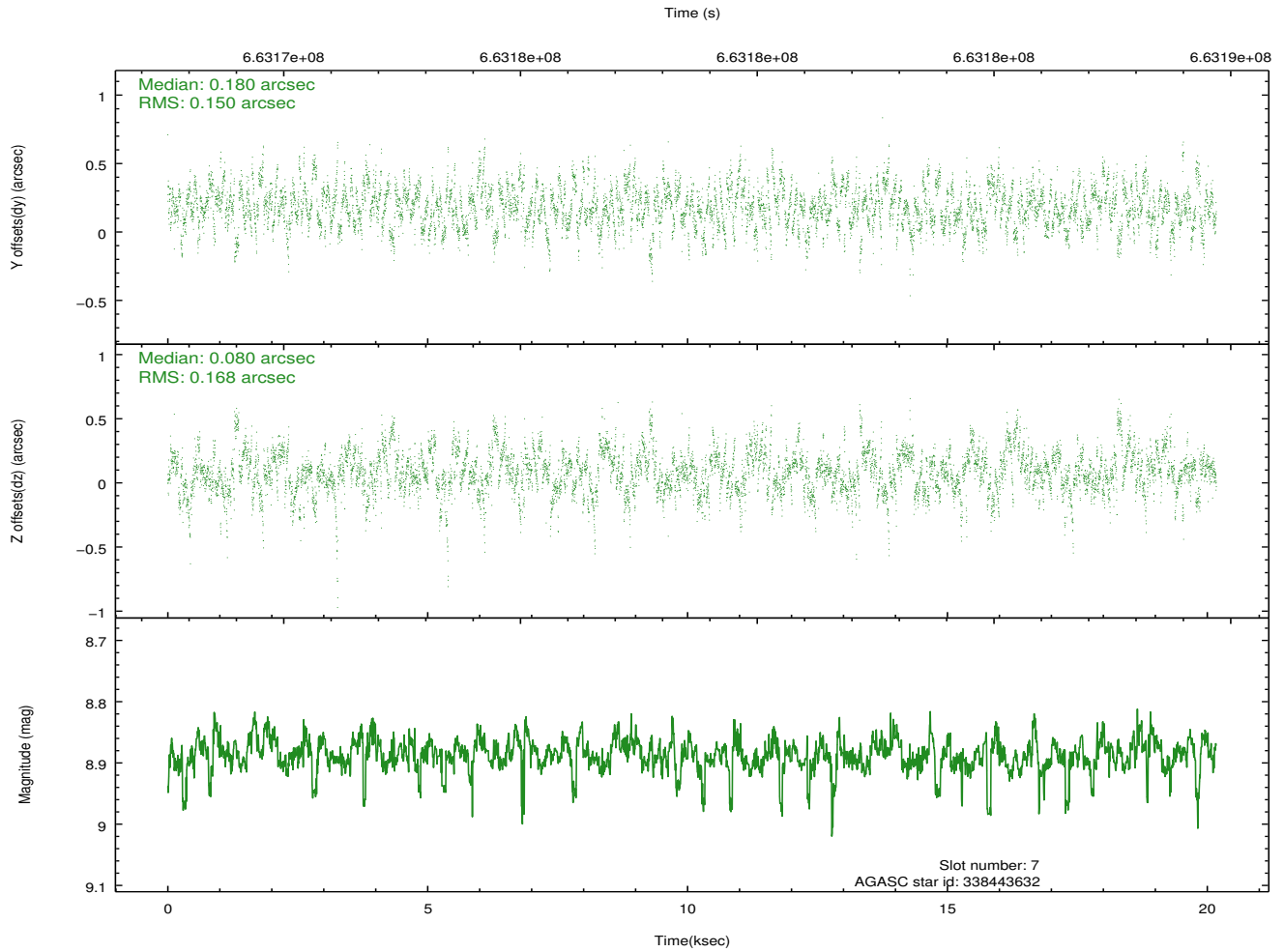
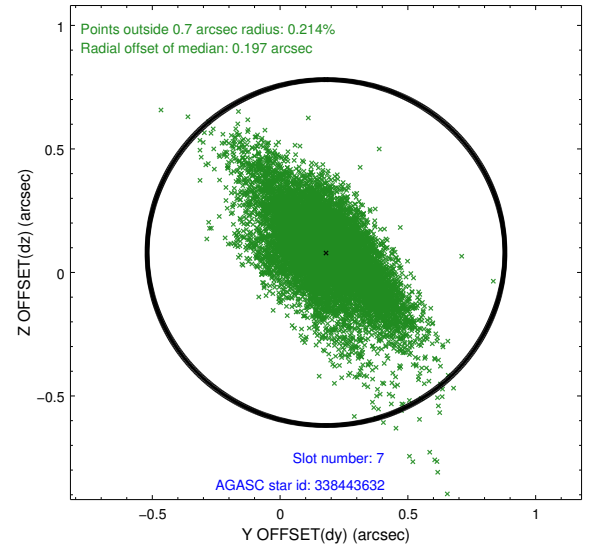
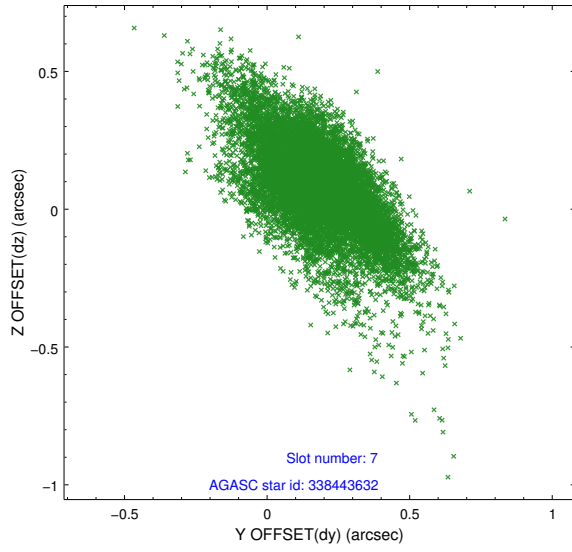
2.4.3 Slot 5



2.4.4 Slot 6

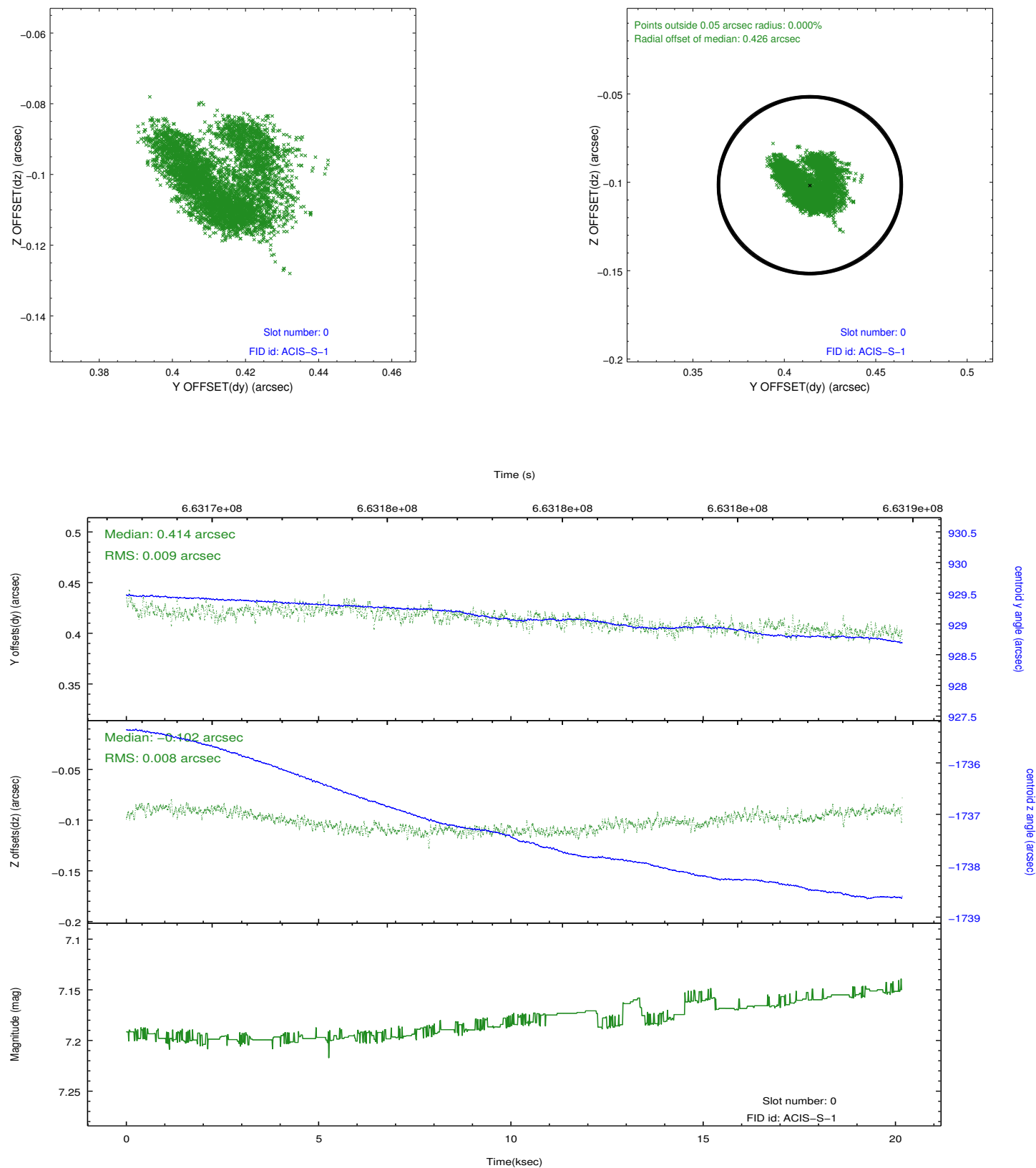


2.4.5 Slot 7

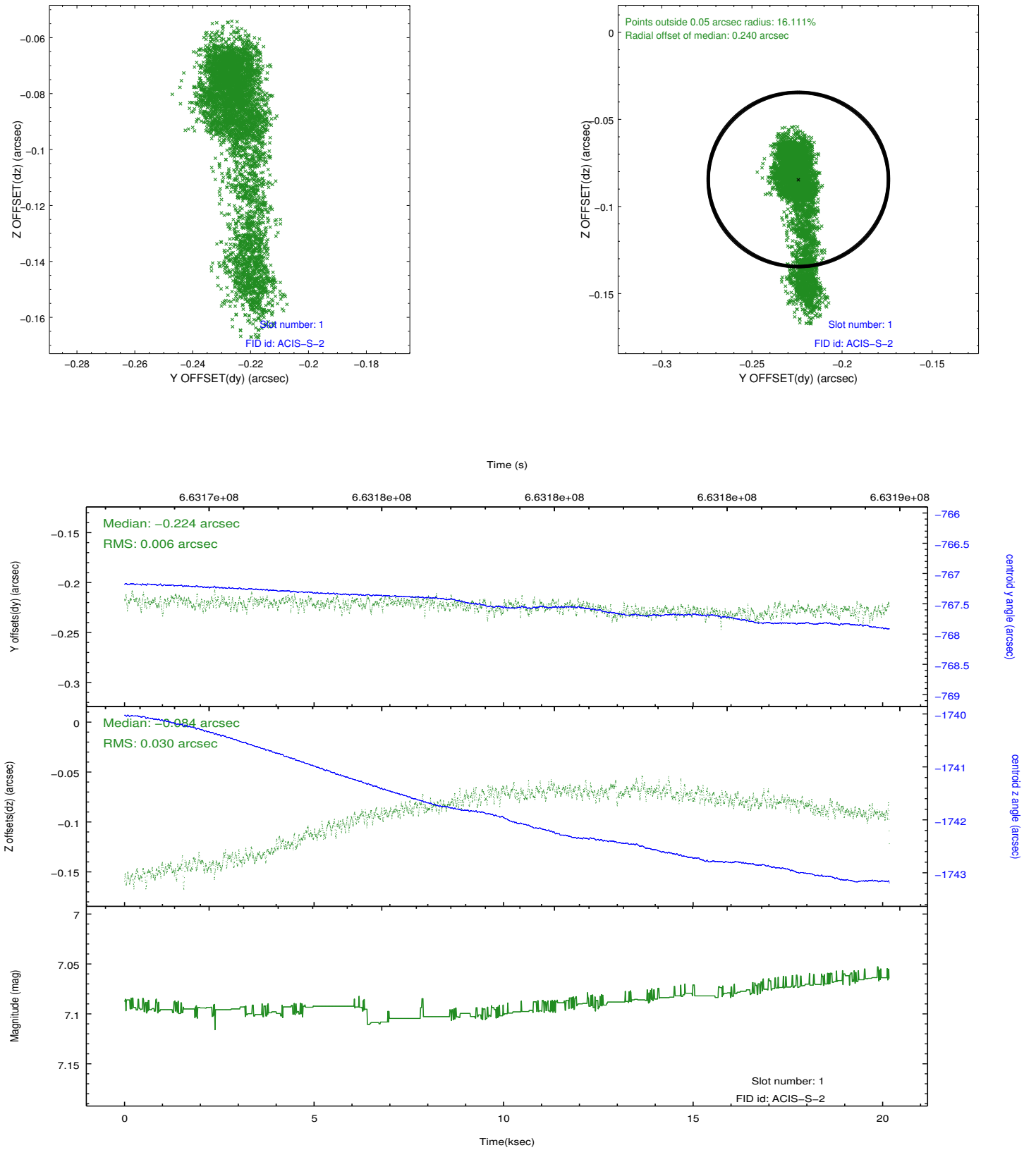


2.5 FID Slots

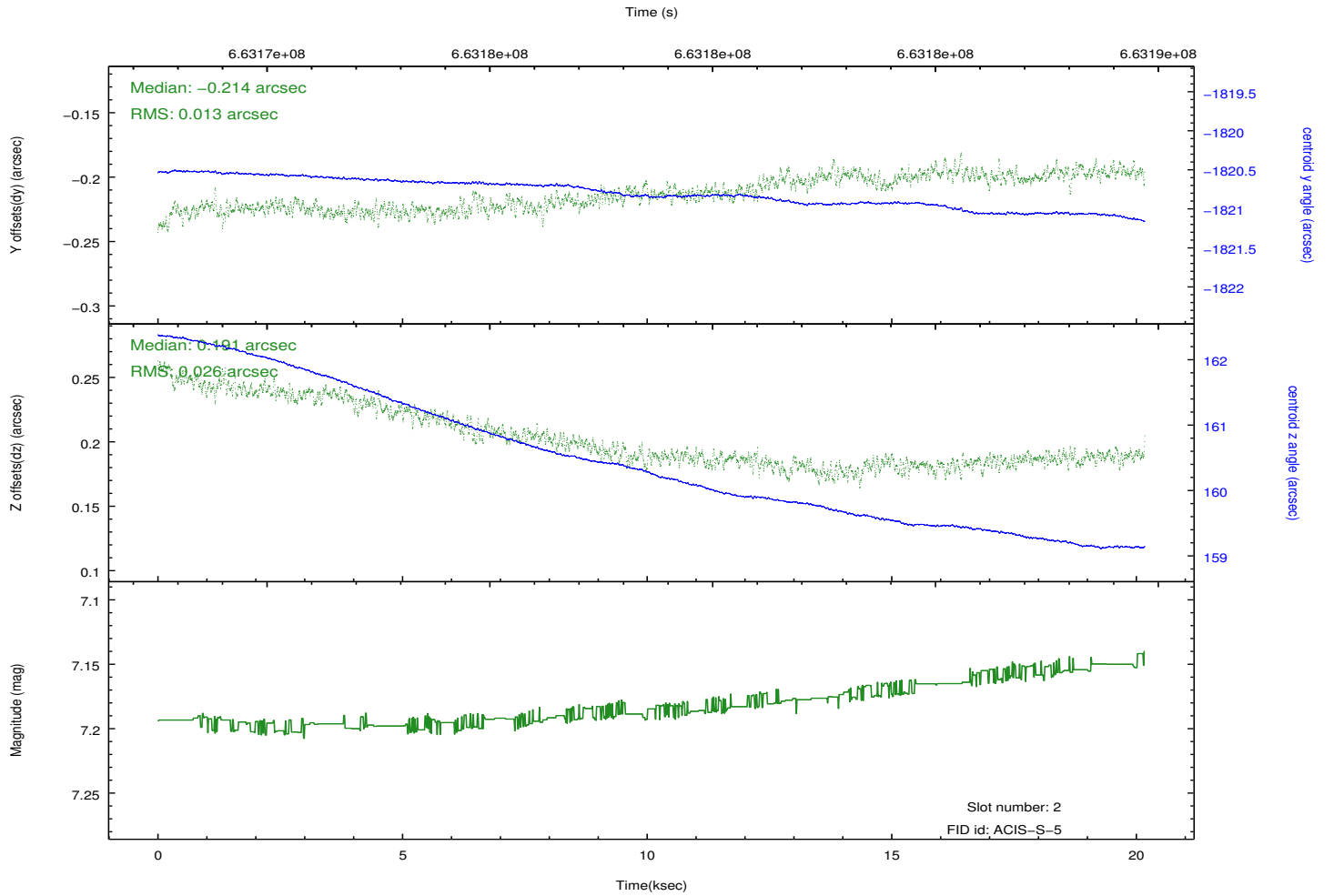
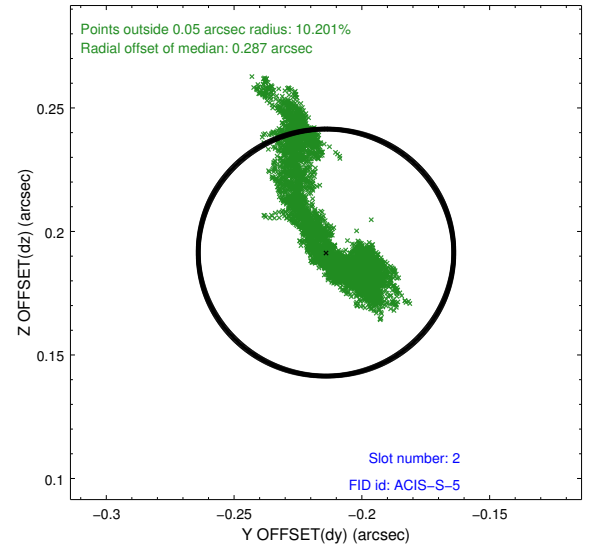
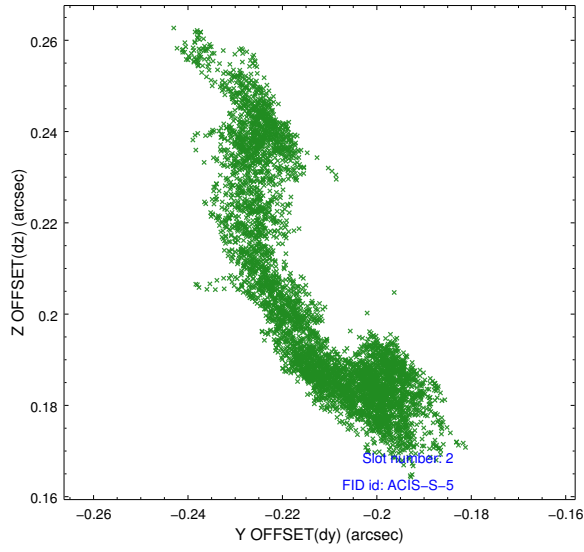
2.5.1 Slot 0



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)	2019.01.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.060798804283

A.2 Comments