

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 22287 - L2 Version 1
Chandra X-Ray Center

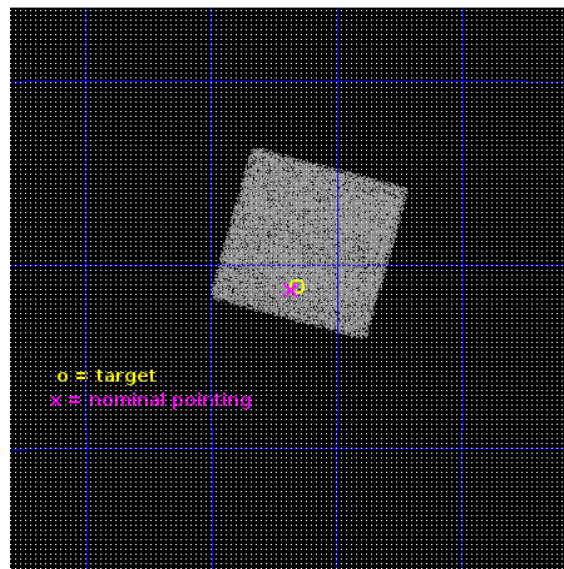
L2 Processing Date : Jul 27 2019

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1 Front

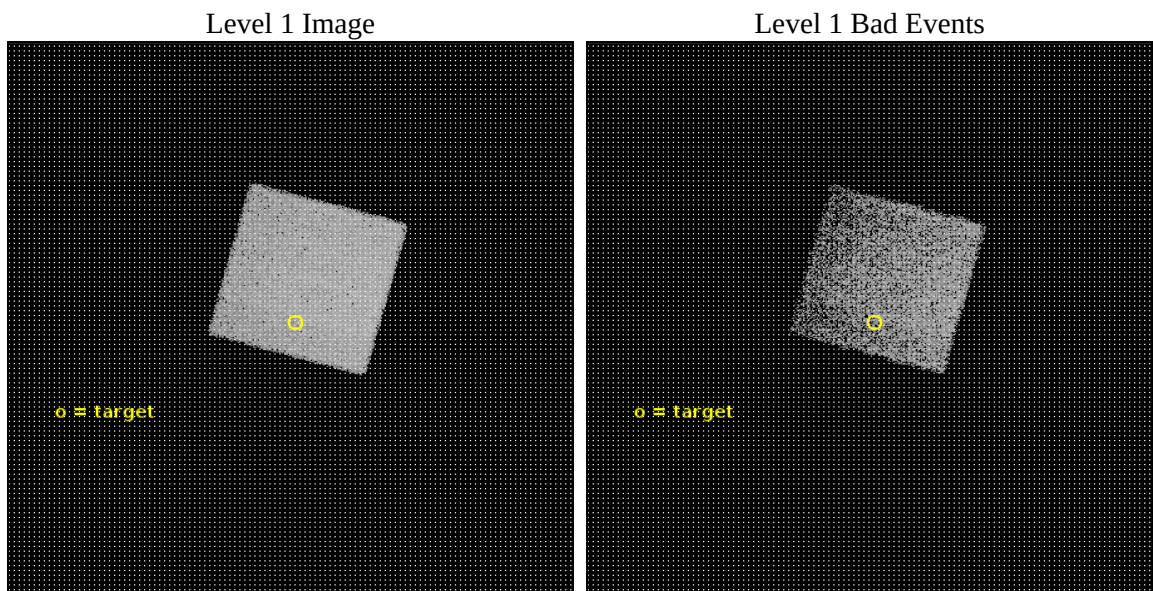
seq_num	703909	Sequence number
obs_id	22287	Observation id
title	Chandra-NuSTAR synergy in the NuSTAR serendipitous survey	Proposal
observer	Dr David Alexander	Principal investigator
object	Nova_Sgr_2015_2_s5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	279.16391	Observer's specified target RA [deg]
dec_targ	-28.853596	Observer's specified target Dec [deg]
ra_nom	279.17000566017	Nominal RA [deg]
dec_nom	-28.8560462231	Nominal Dec [deg]
roll_nom	285.30915011938	Nominal Roll [deg]
revision	1	Processing version of data
ontime	9452.6465710402	Sum of GTIs [s]
livetime	9325.0794837031	Livetime [s]
ontime7	9452.6465710402	Sum of GTIs [s]
l2events	39573	Number of level 2 events



2 OBI

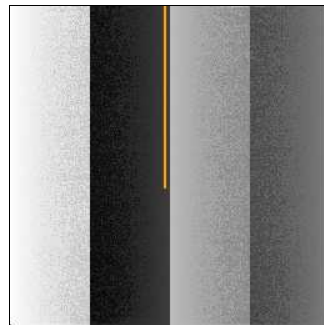
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9362.409000	[s] Scheduled observation exposure time
ascdsver	10.8	Processing system revision	ontime	9452.6465710402	Sum of GTIs [s]
caldbver	4.8.3.1	 	ontime7	9452.6465710402	Sum of GTIs [s]
date	2019-07-27T23:28:09	Date and time of file creation	l1events	92055	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

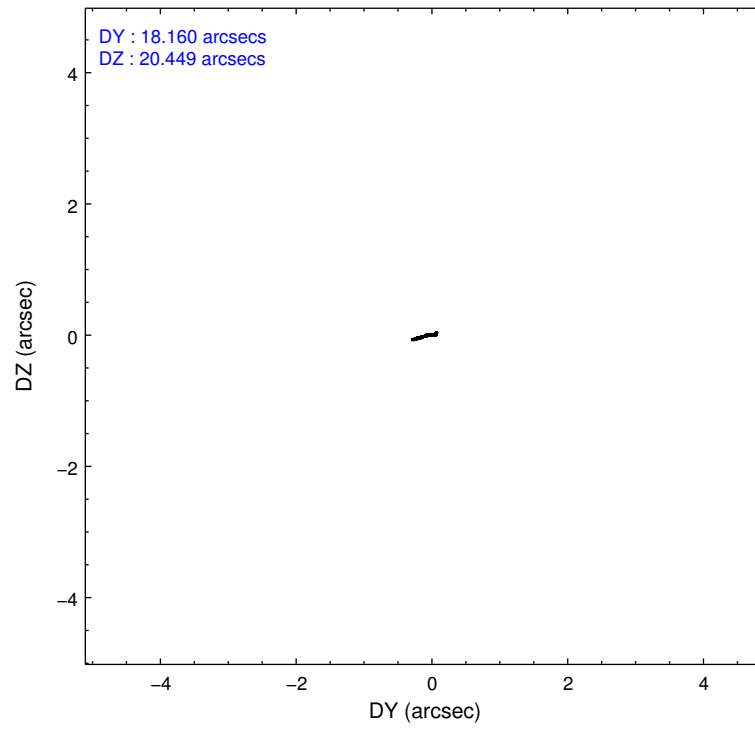
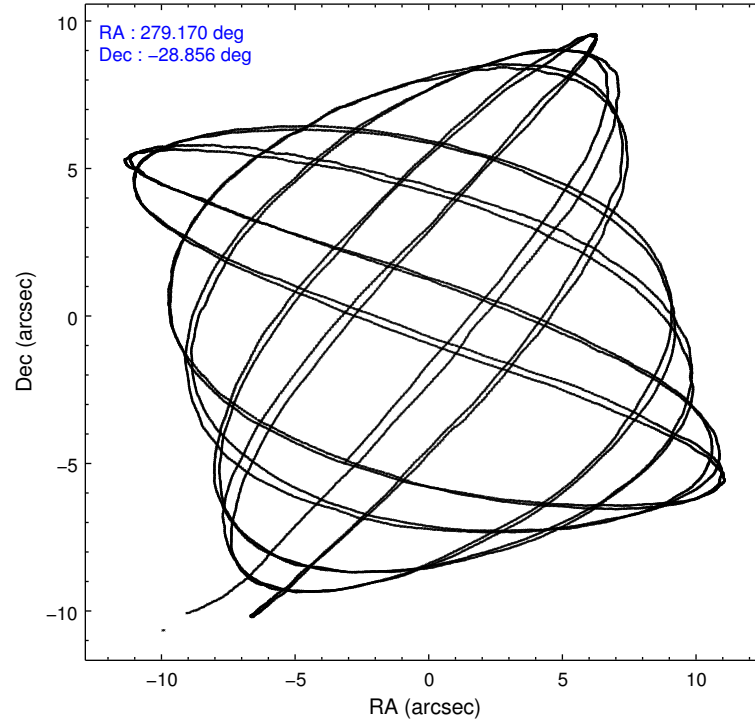
	ccd 7
level 1 events	92055
rejected events	51446
rejected %	55%

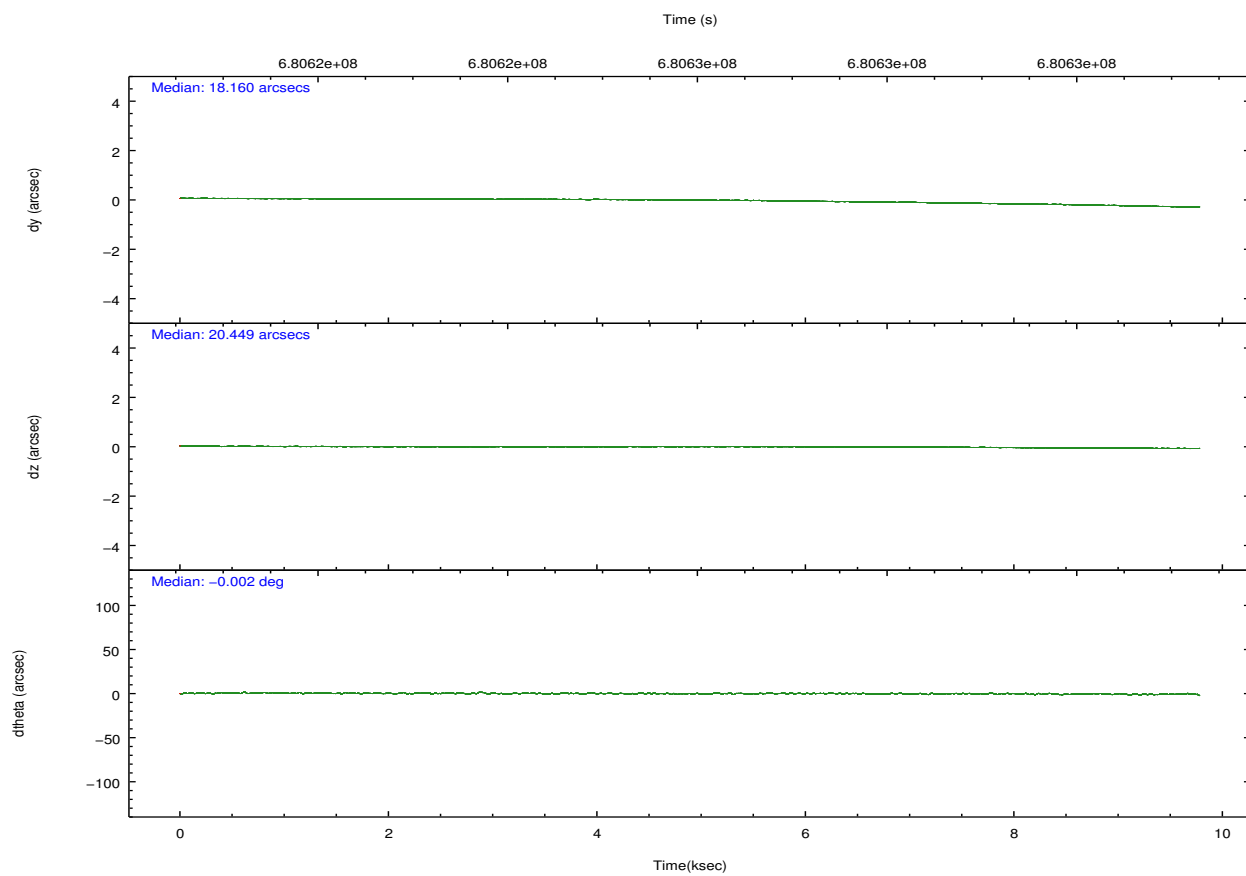
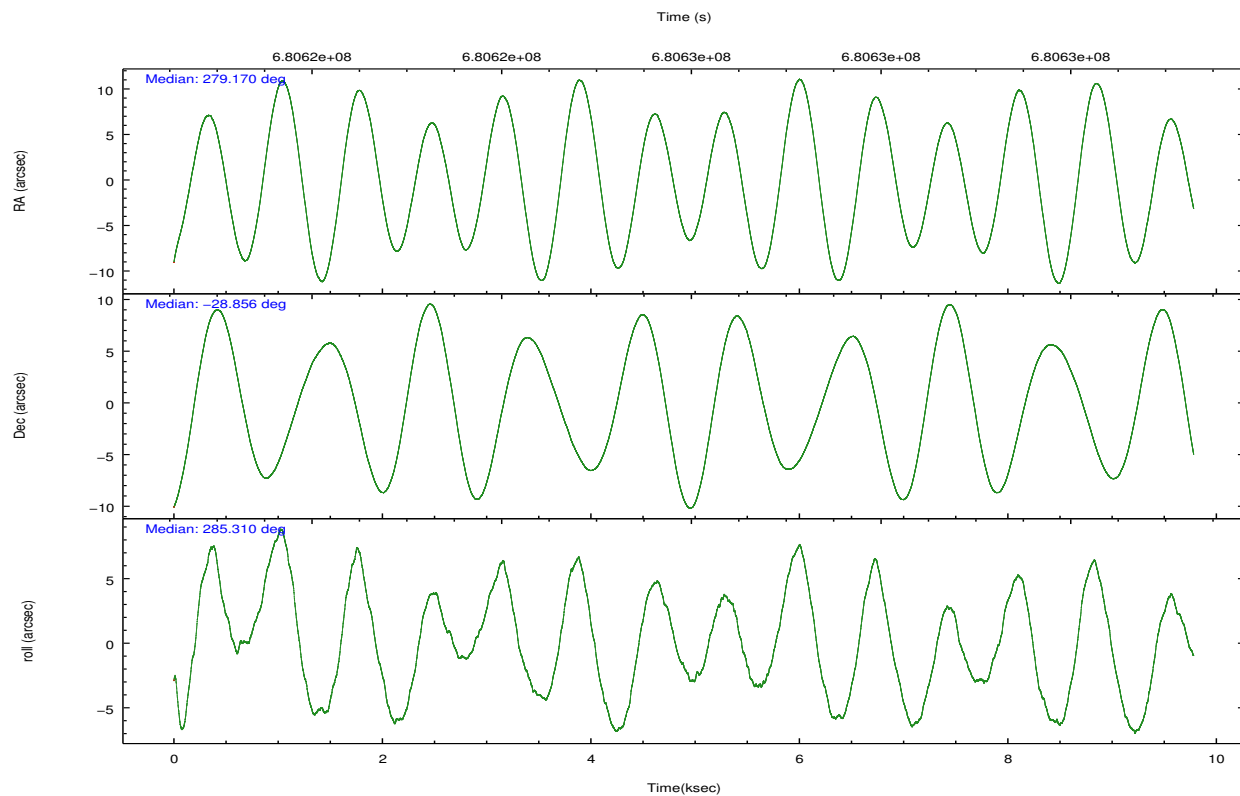
	ccd 7
grade 0 events	3394
	3%
grade 1 events	132
	0%
grade 2 events	8462
	9%
grade 3 events	3241
	3%
grade 4 events	3116
	3%
grade 5 events	9006
	9%
grade 6 events	22422
	24%
grade 7 events	42282
	45%

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	279.147416	279.1700056601744	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.837057	-28.85604622310015	Alternating exposures requested	N	N
[deg] Pointing Roll	285.141626	285.3091501193759	[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)	680621434.184000	680620633.31081			
Observation start date	2019-07-27T13:29:25	2019-07-27T13:17:13			
[s] Observation end time (MET)	680630796.184000	680631760.71147			
Observation end date	2019-07-27T16:05:27	2019-07-27T16:22:40			
Read mode	TIMED	TIMED			

2.3 Aspect



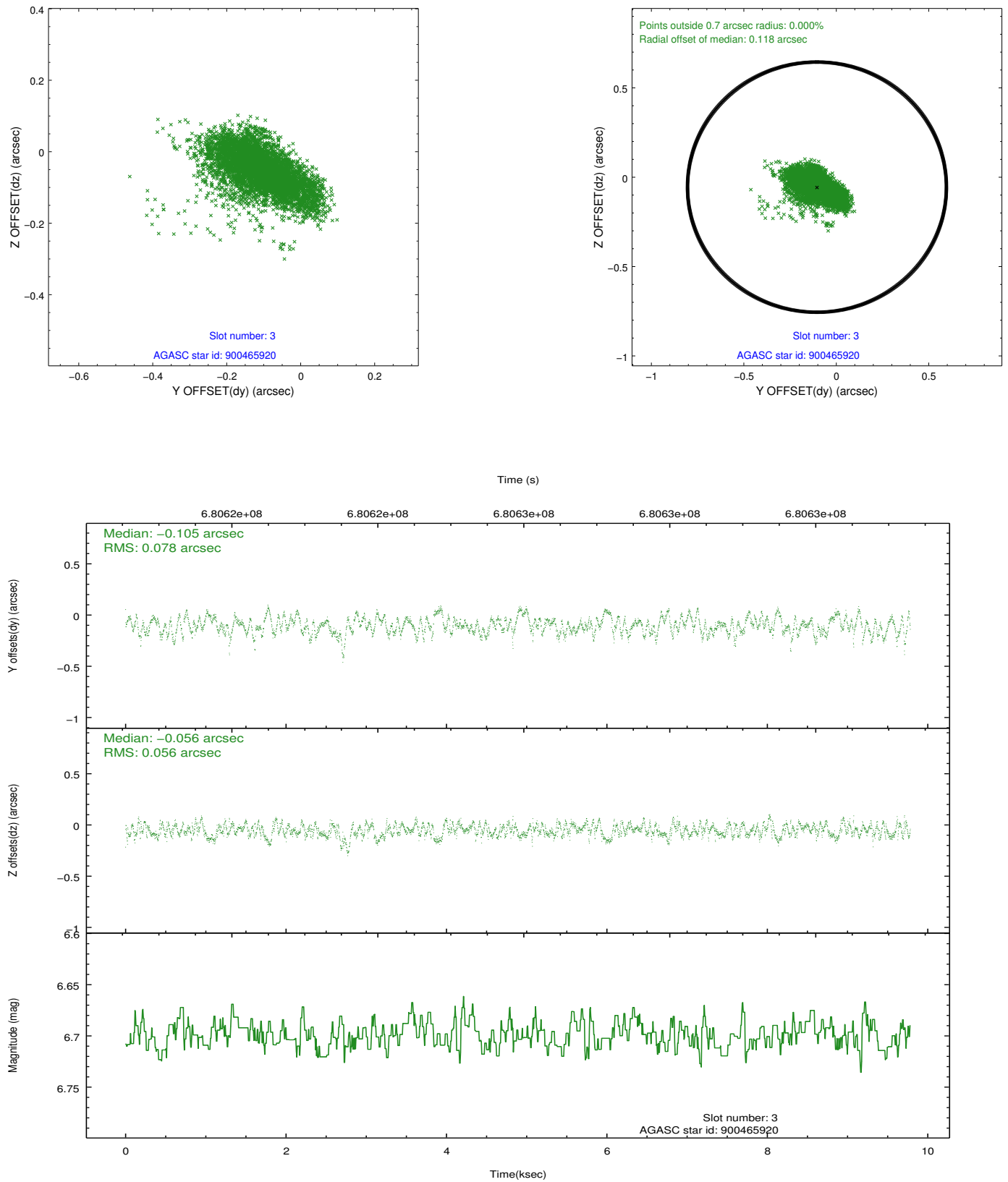


Slot Statistics

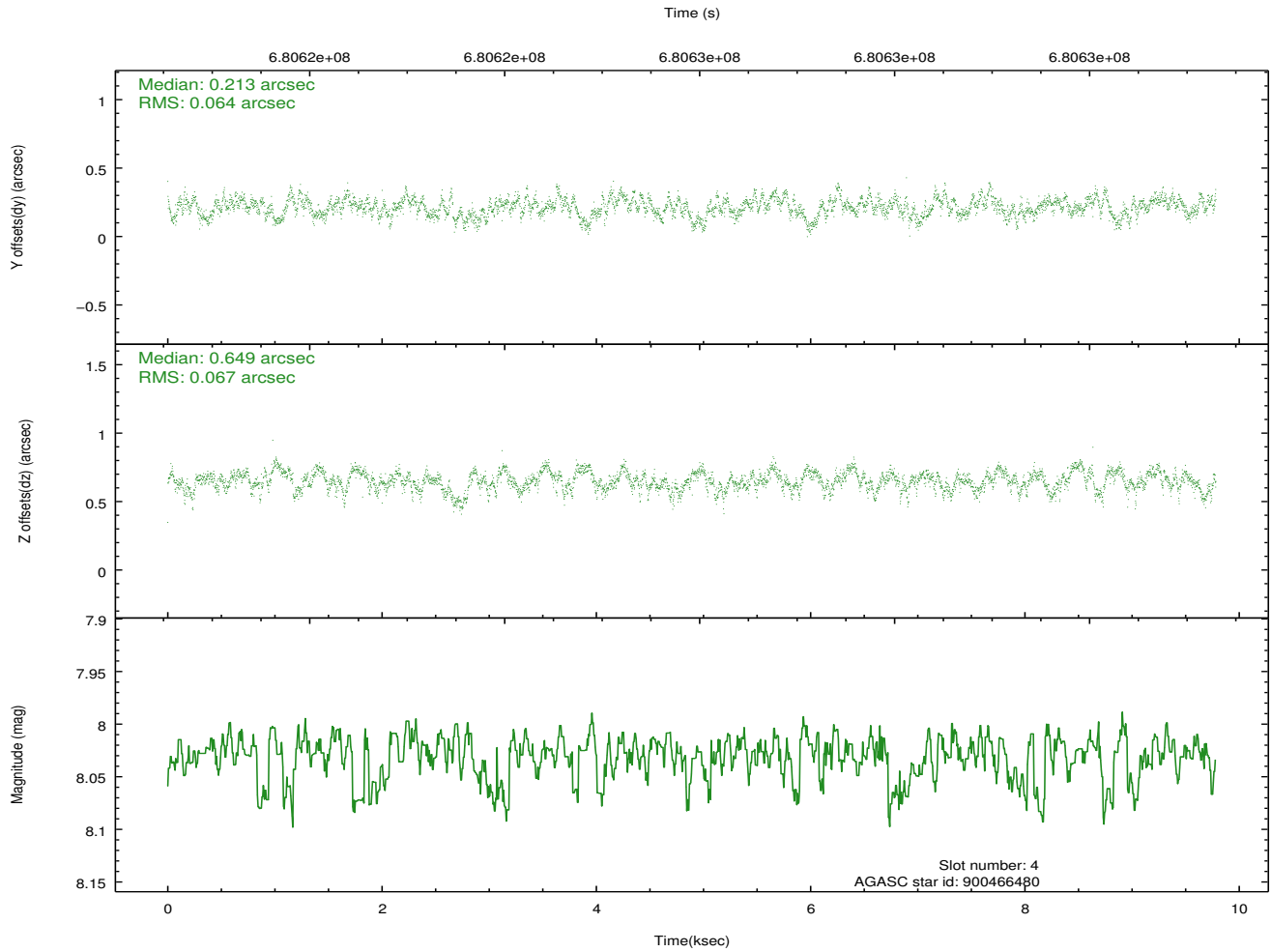
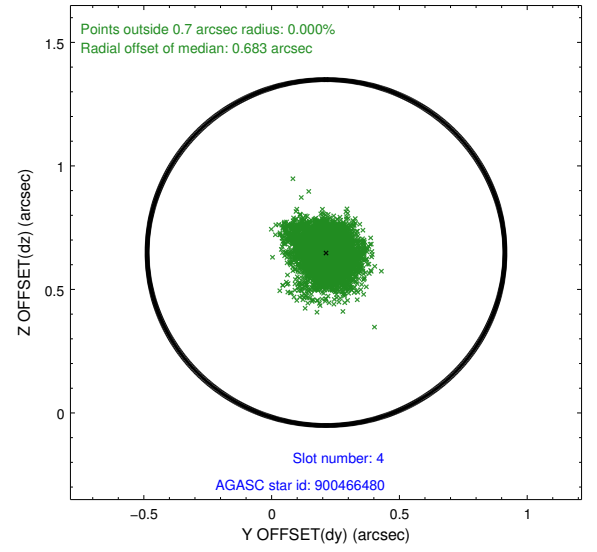
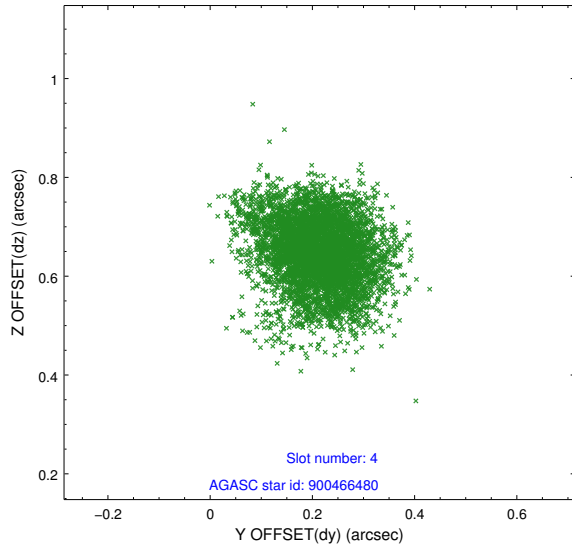
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.07	2387	1.000	-0.515	-0.384	0.006	0.011	0.000000	0.000000	-771.74	-1742
1	FID		ACIS-S-4	7.18	2387	1.000	0.516	0.295	0.007	0.011	0.000000	0.000000	2142.38	166
2	FID		ACIS-S-6	7.32	2387	1.000	-0.028	0.097	0.009	0.014	0.000000	0.000000	391.51	804
3	GUIDE	used	900465920	6.70	4773	1.000	-0.105	-0.056	0.100	0.168	279.263681	-28.513059	-1026.32	658
4	GUIDE	used	900466480	8.03	4771	1.000	0.213	0.649	0.099	0.159	278.907470	-28.325302	-1975.55	-252
5	GUIDE	used	900466560	7.97	4700	1.000	-0.492	-0.526	0.142	0.235	279.809808	-28.514071	-569.14	2324
6	GUIDE	used	900469752	8.19	4768	1.000	-0.021	-0.346	0.130	0.201	279.292143	-29.237377	1510.95	62
7	GUIDE	used	900467552	7.96	4770	1.000	0.393	0.286	0.099	0.167	278.701472	-28.667544	-952.89	-1200

2.4 Star Slots

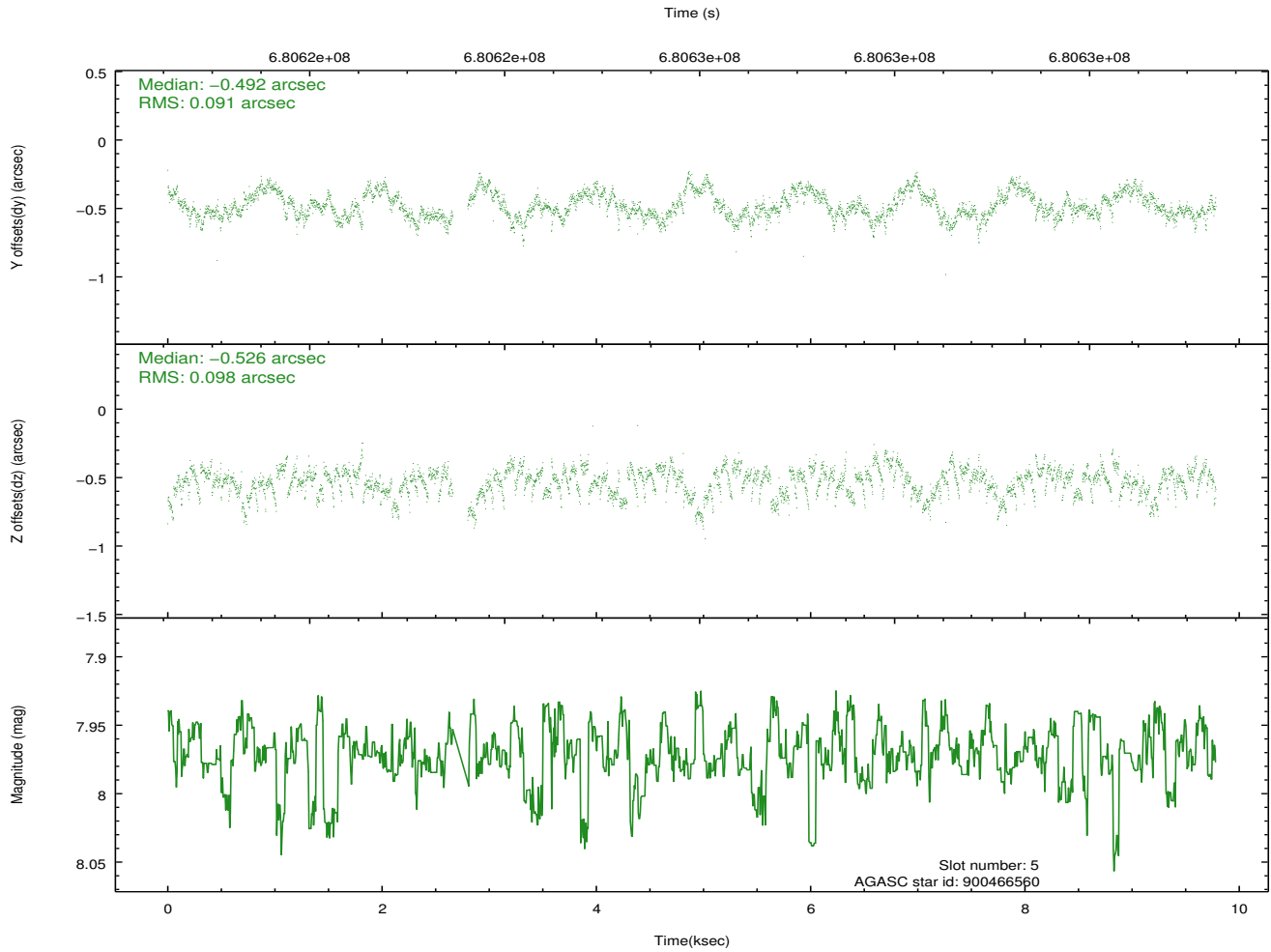
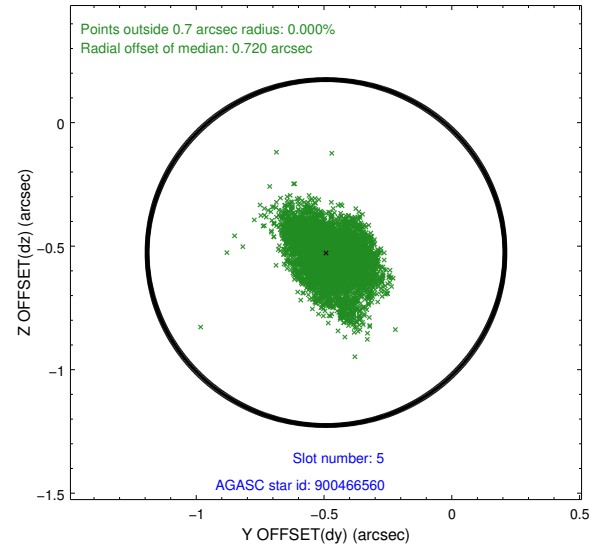
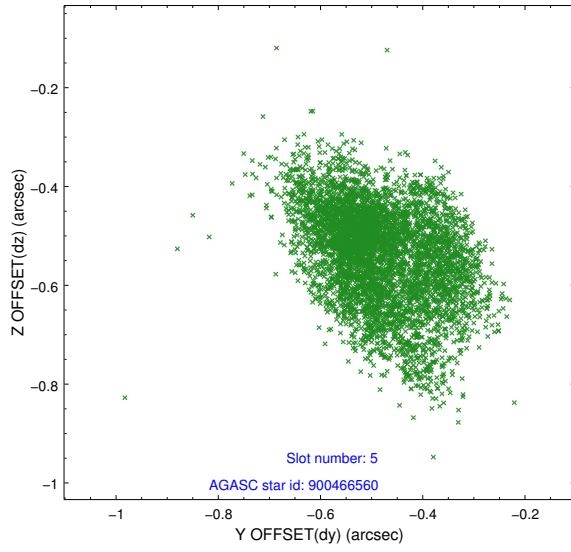
2.4.1 Slot 3



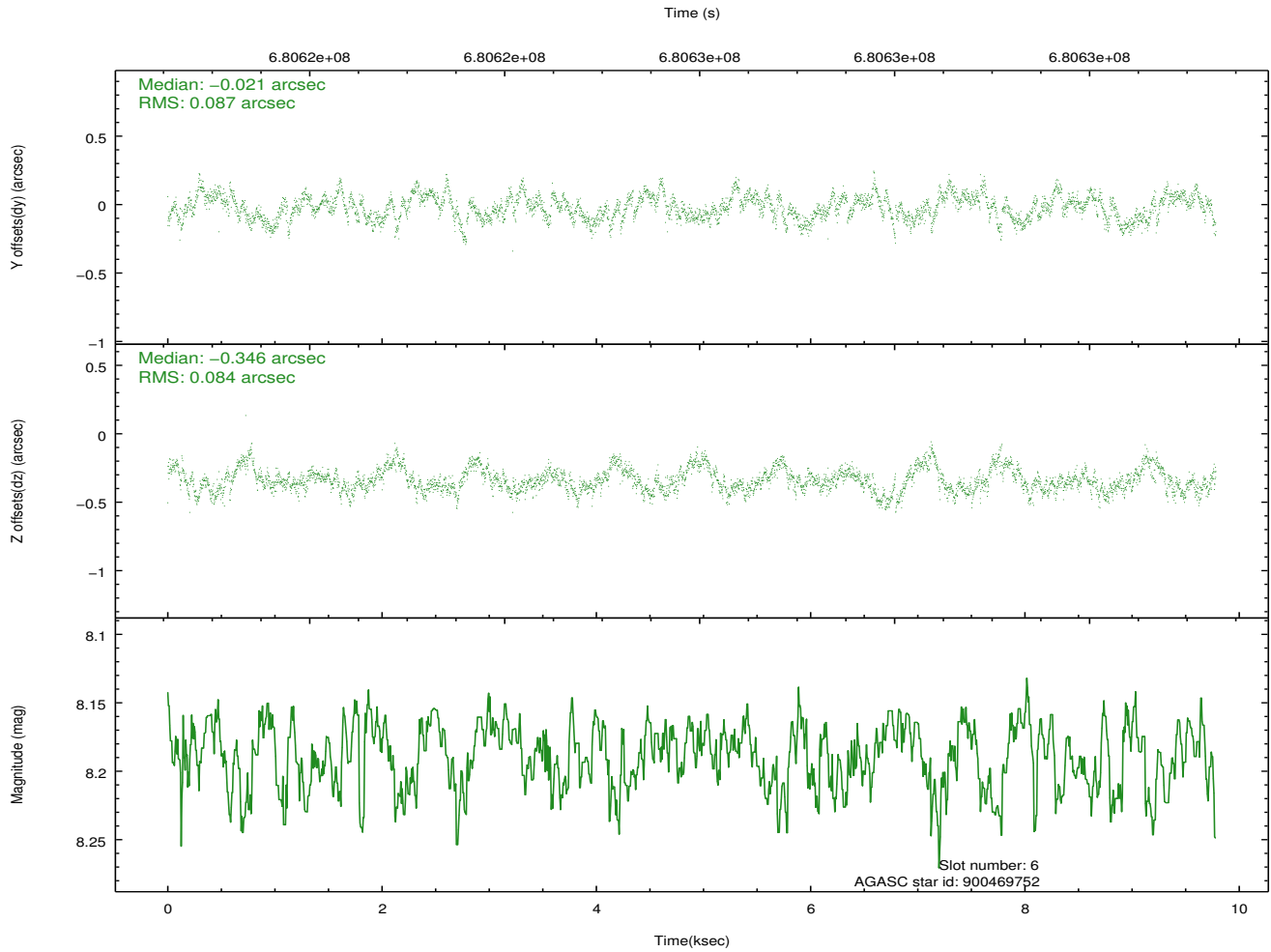
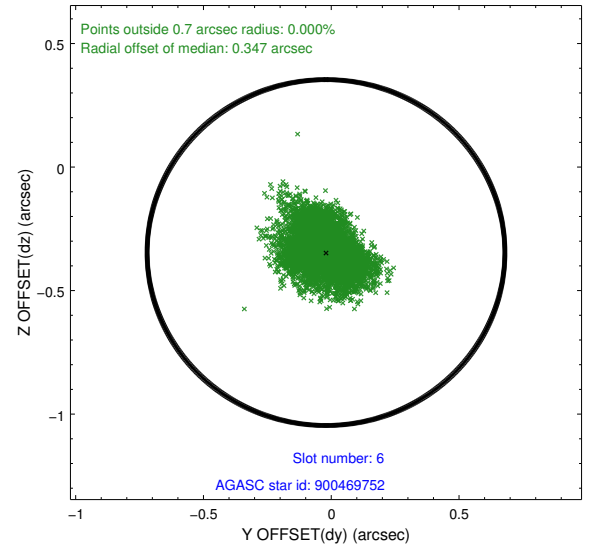
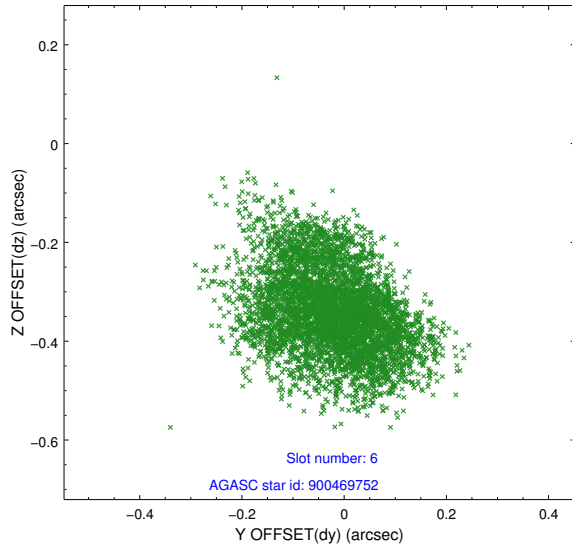
2.4.2 Slot 4



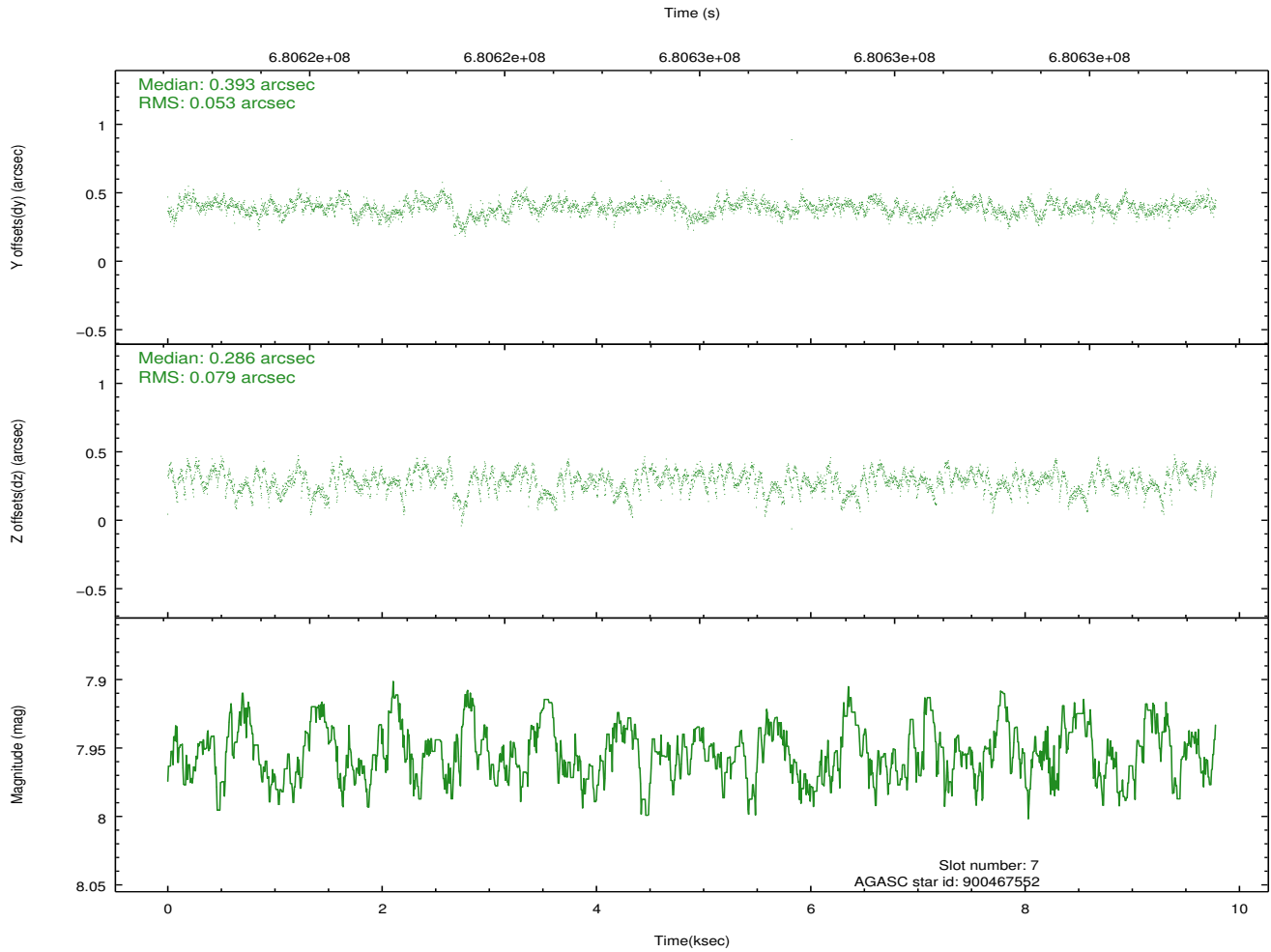
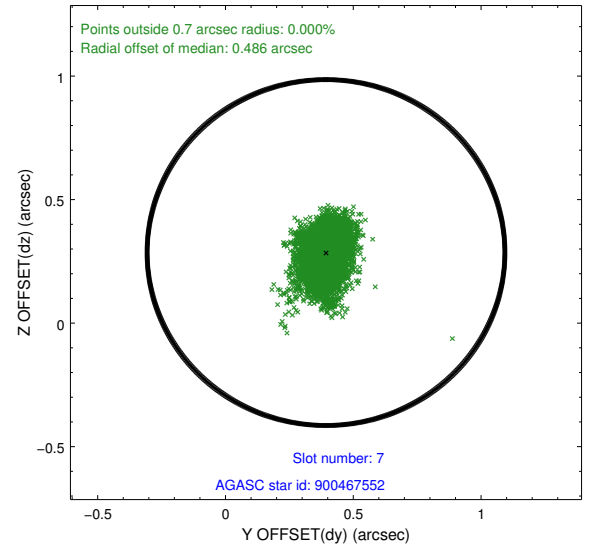
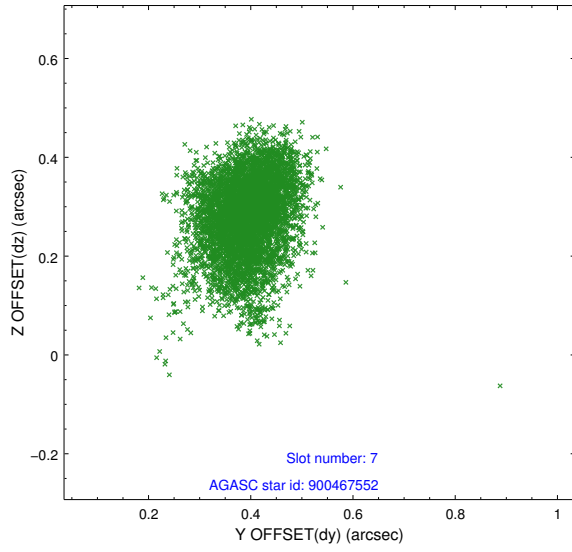
2.4.3 Slot 5



2.4.4 Slot 6

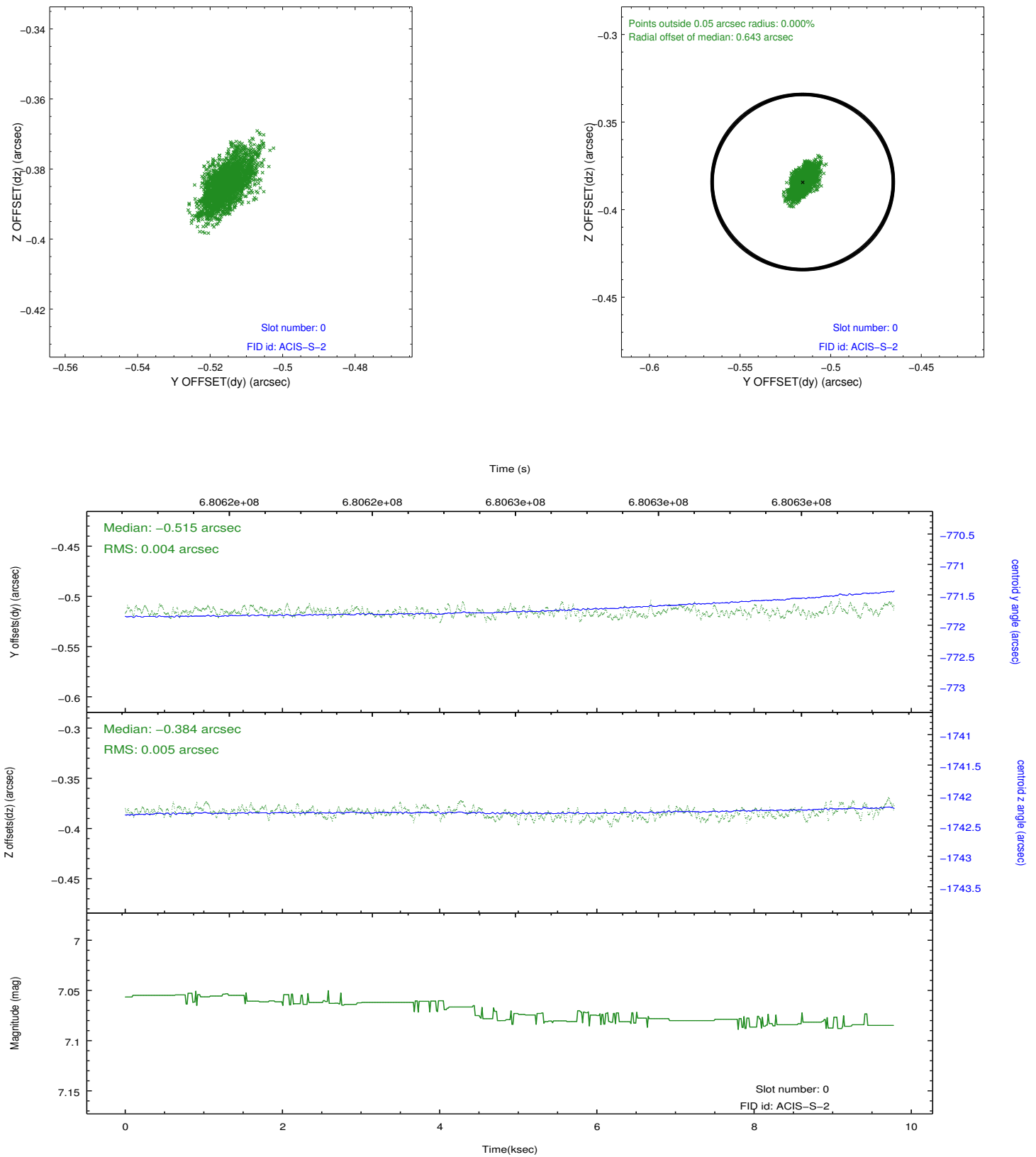


2.4.5 Slot 7

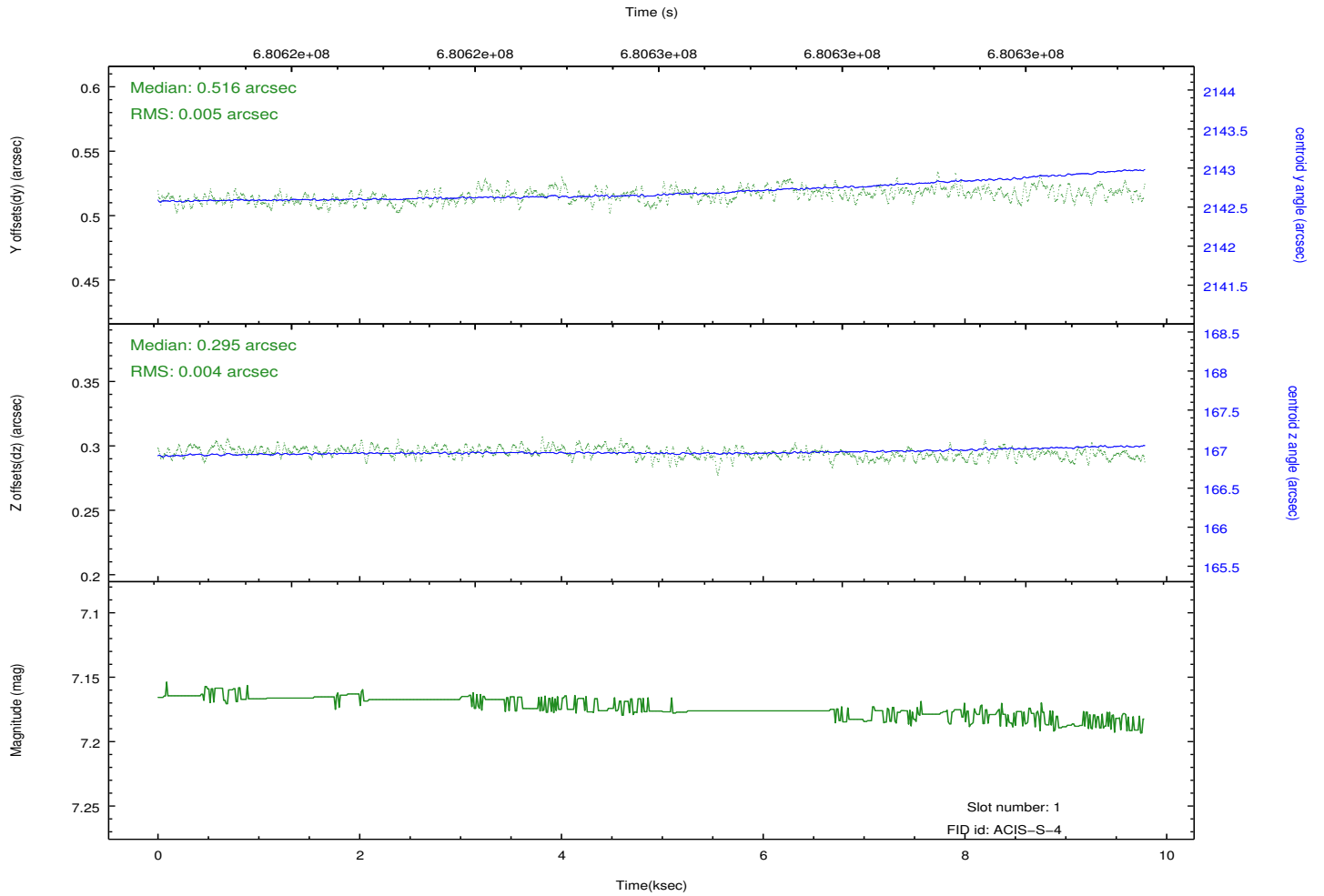
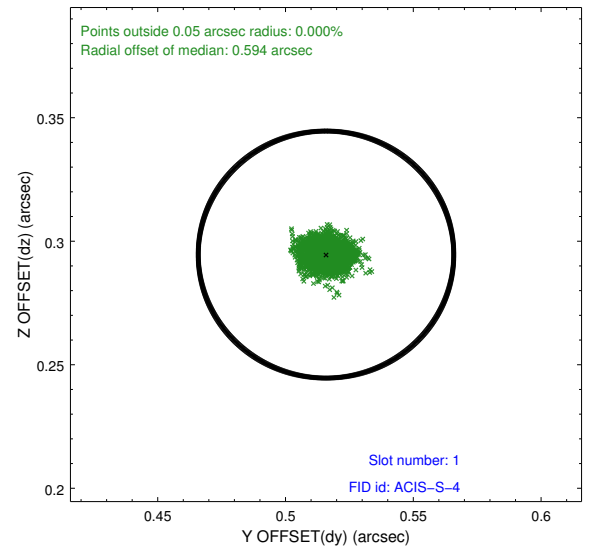
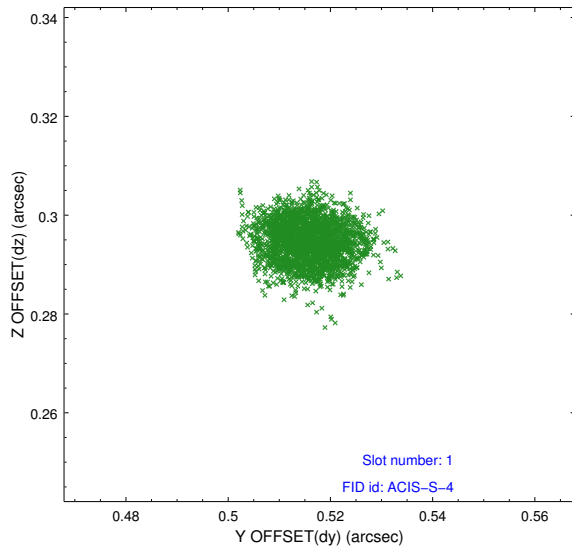


2.5 FID Slots

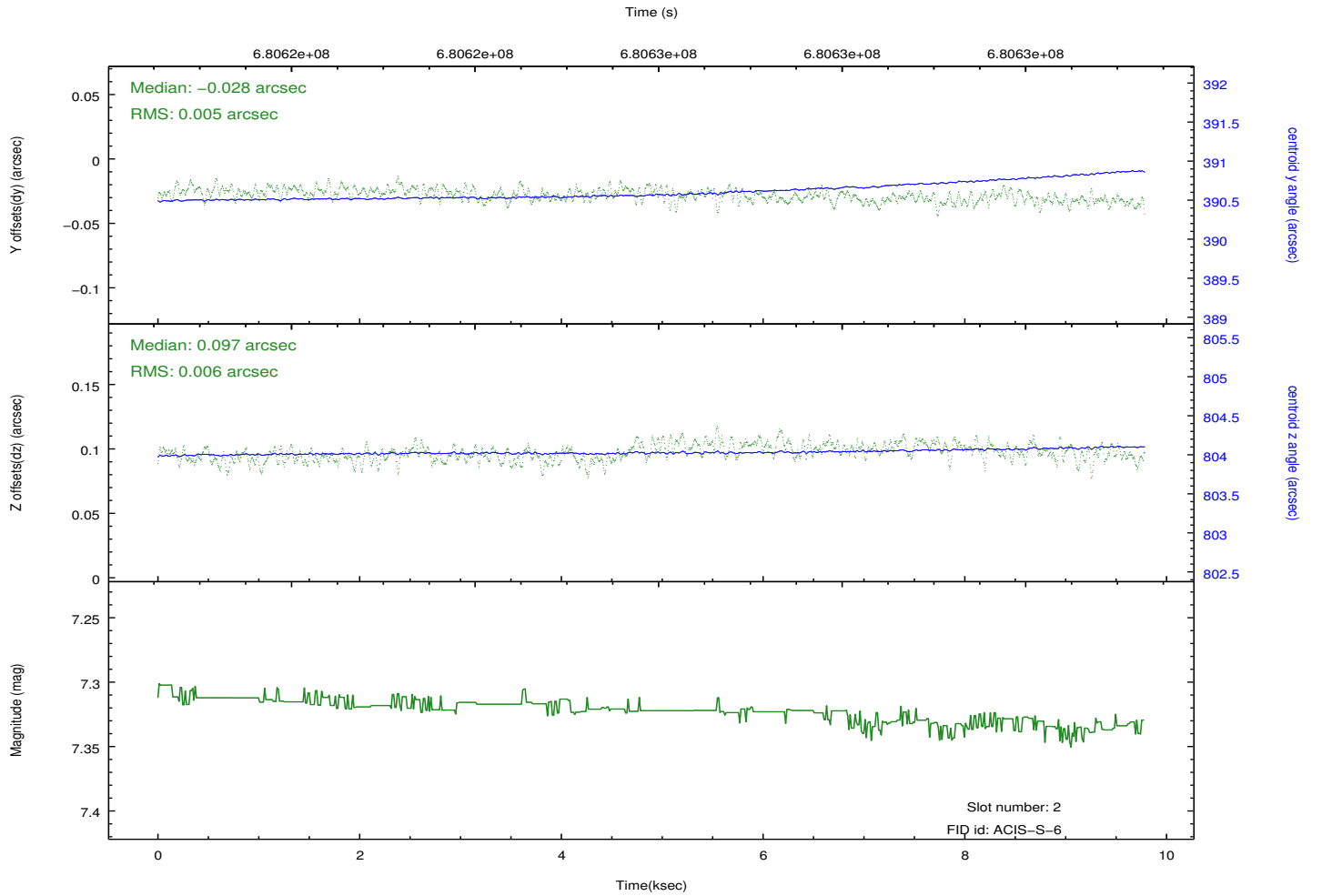
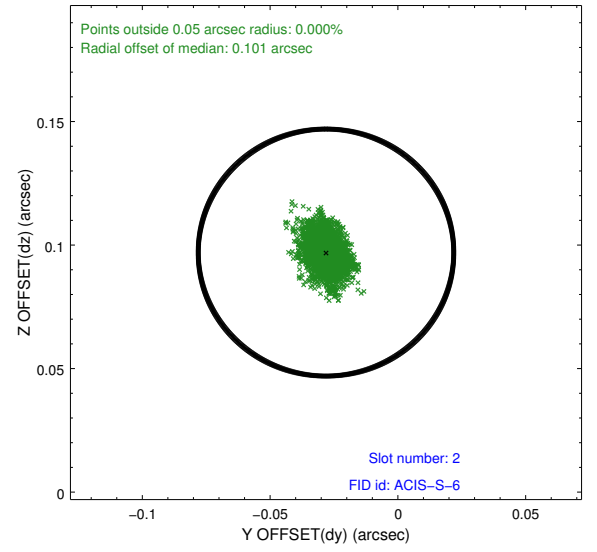
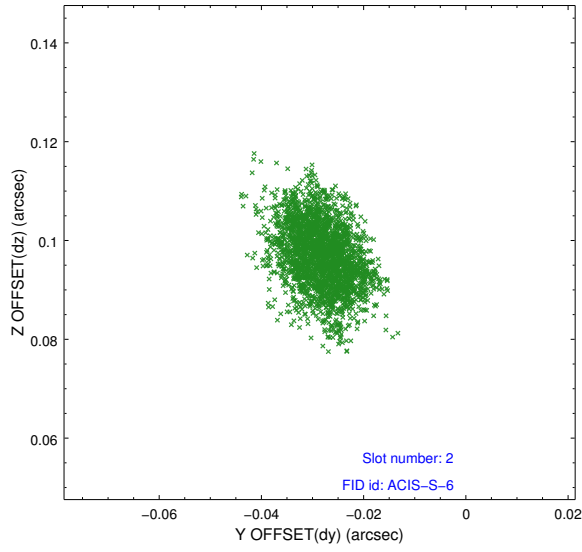
2.5.1 Slot 0



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)	2019.07.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.4526465710402

A.2 Comments