

V&V Reference Report

L2 ASCDS Version : 10.7

Observation 21974 - L2 Version 1
Chandra X-Ray Center

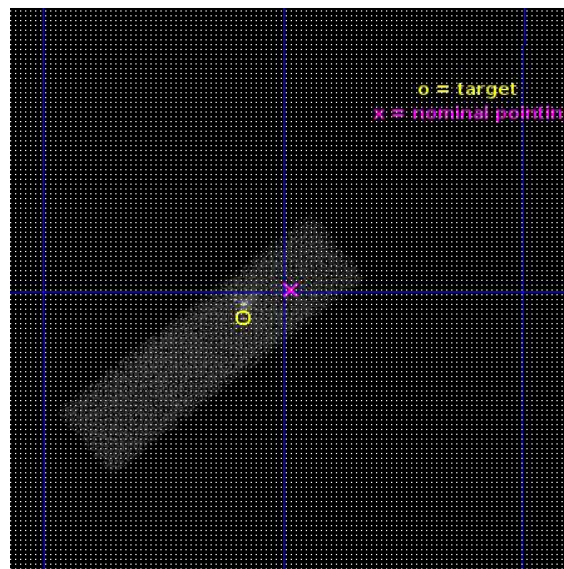
L2 Processing Date : Dec 1 2018

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1 Front

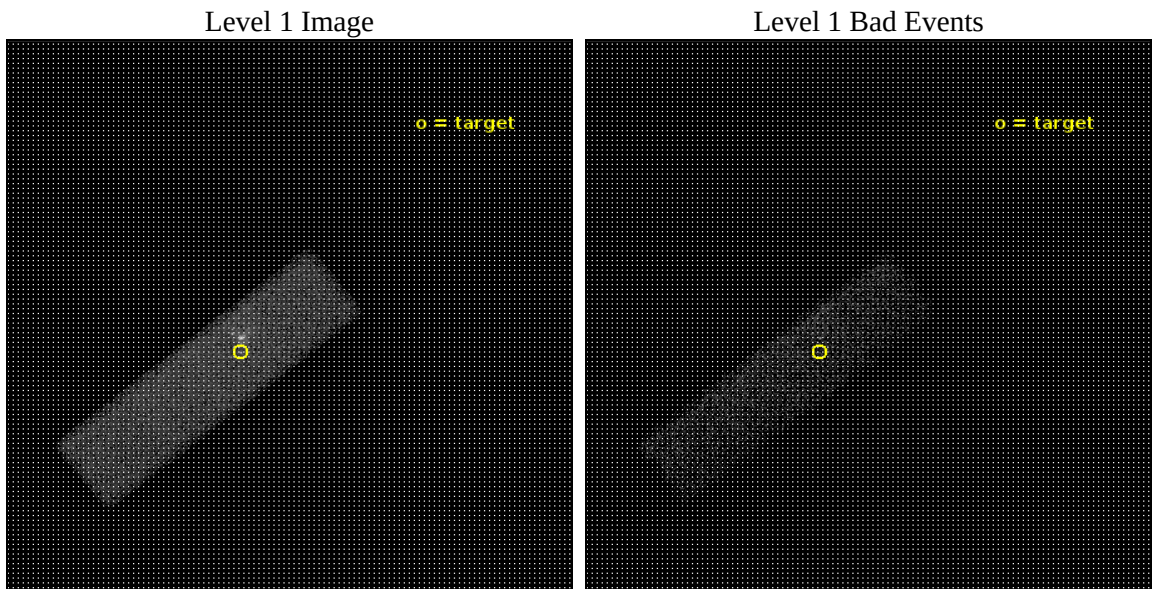
seq_num	503142	Sequence number
obs_id	21974	Observation id
title	Witnessing the Birth of a Supernova Remnant	Proposal title
observer	Ralph Kraft	Principal investigator
object	SN 1996cr	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	213.291875	Observer's specified target RA [deg]
dec_targ	-65.345781	Observer's specified target Dec [deg]
ra_nom	213.24107403868	Nominal RA [deg]
dec_nom	-65.332808586896	Nominal Dec [deg]
roll_nom	141.11048723362	Nominal Roll [deg]
revision	1	Processing version of data
ontime	22060.49382925	Sum of GTIs [s]
livetime	20984.013915391	Livetime [s]
ontime7	22060.49382925	Sum of GTIs [s]
l2events	38130	Number of level 2 events



2 OBI

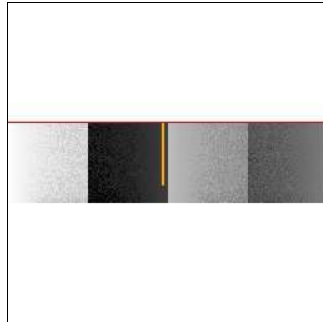
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	22000.000000	[s] Scheduled observation exposure time
ascdsver	10.7	Processing system revision	ontime	22060.49382925	Sum of GTIs [s]
caldsver	4.8.0.1	 	ontime7	22060.49382925	Sum of GTIs [s]
date	2018-12-01T18:07:07	Date and time of file creation	l1events	68590	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

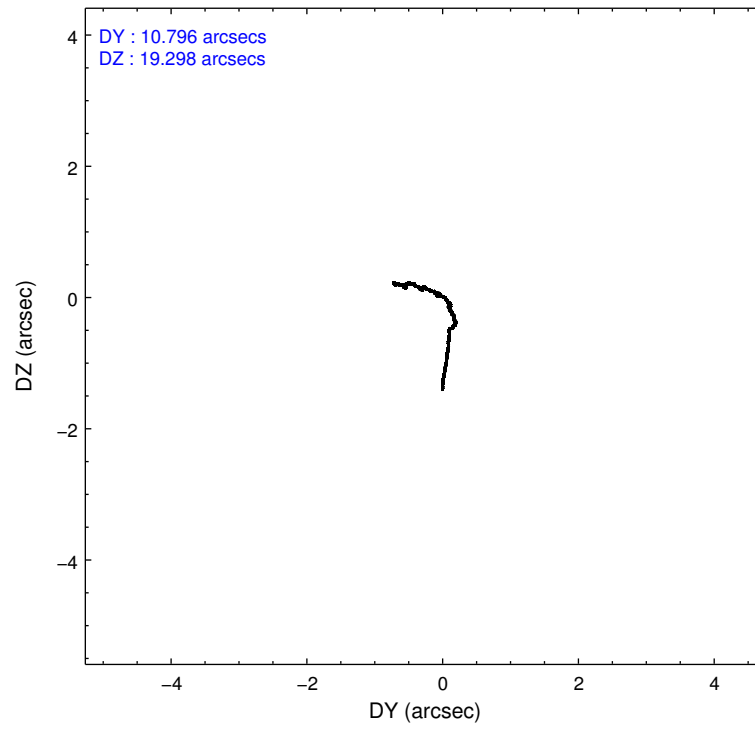
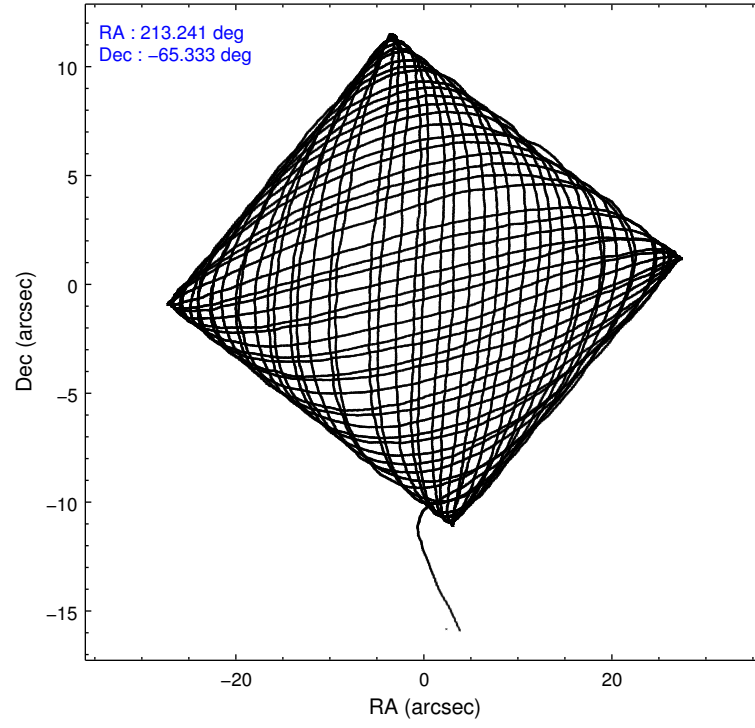
	ccd 7
level 1 events	68590
rejected events	29551
rejected %	43%

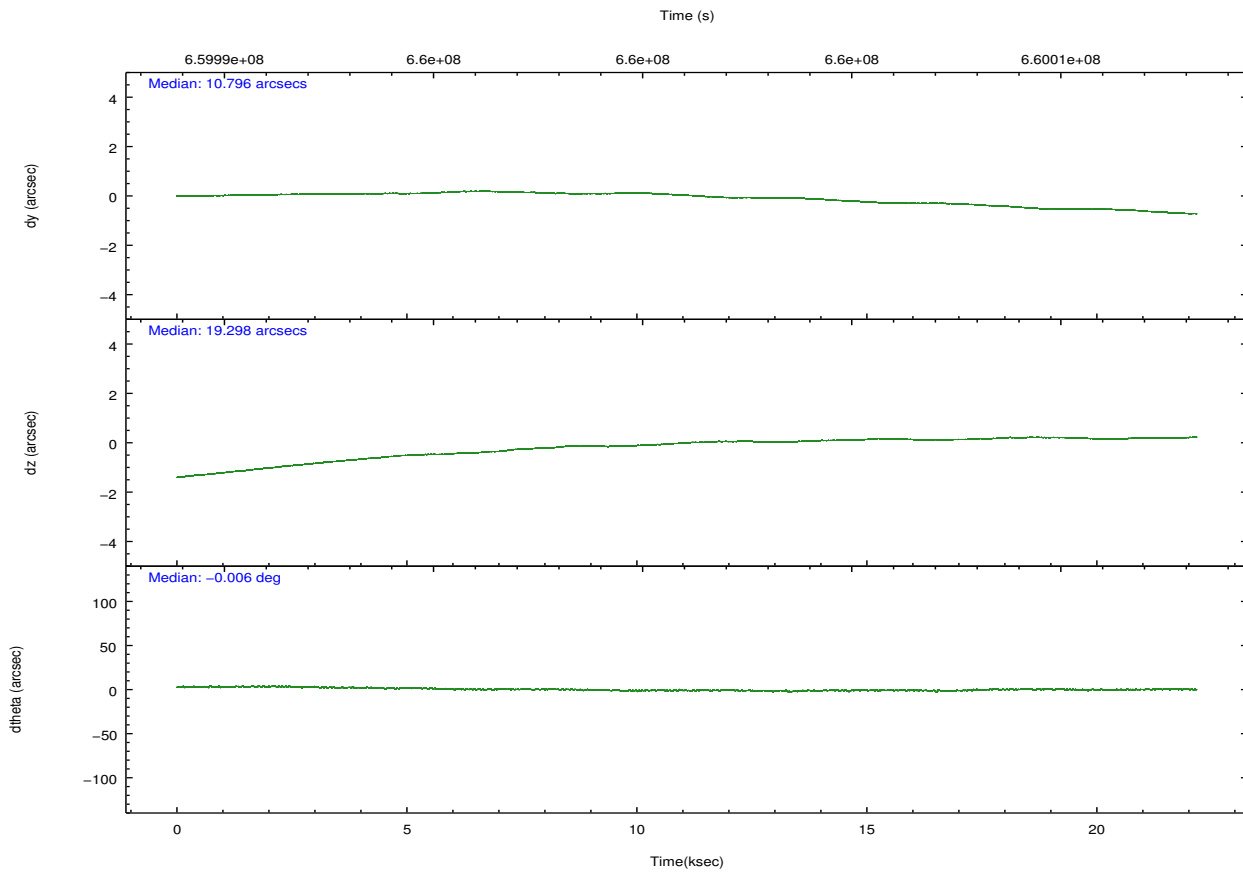
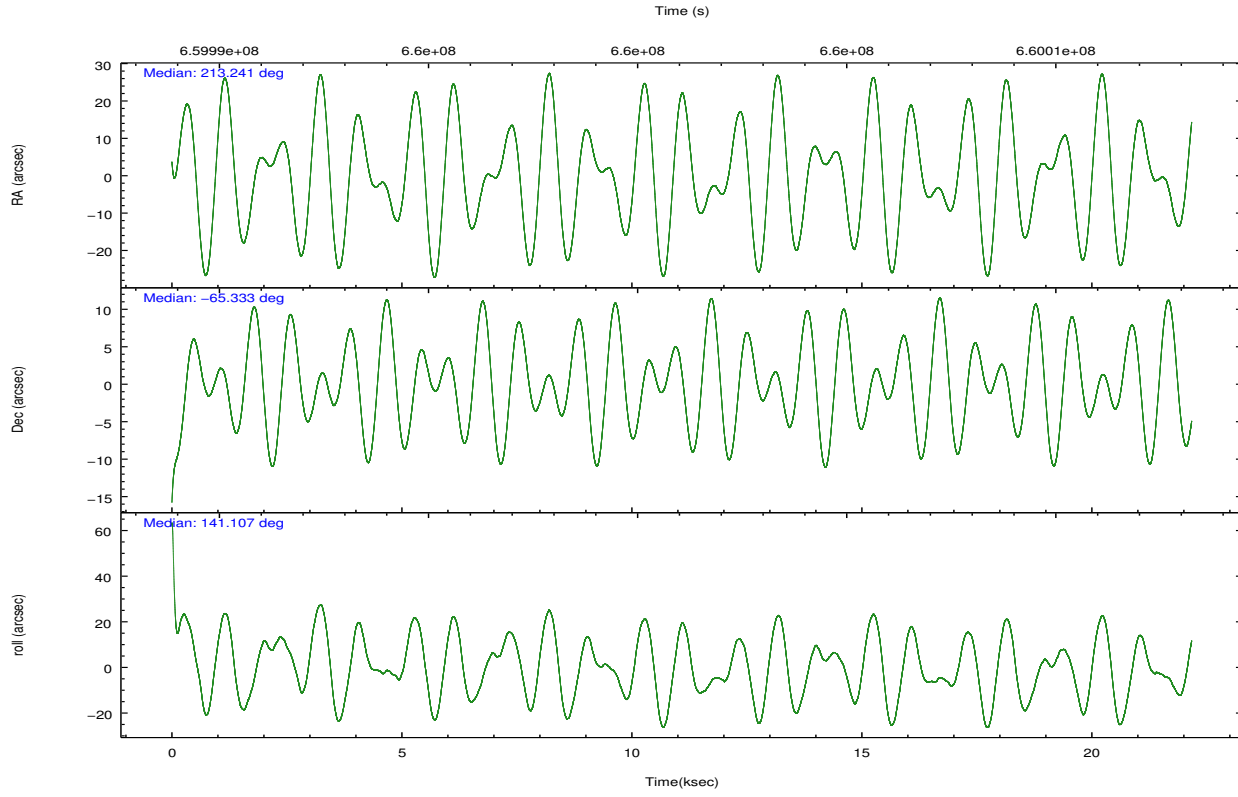
	ccd 7
grade 0 events	5638
	8%
grade 1 events	141
	0%
grade 2 events	8546
	12%
grade 3 events	4296
	6%
grade 4 events	4242
	6%
grade 5 events	5986
	8%
grade 6 events	16317
	23%
grade 7 events	23424
	34%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	213.306175	213.2410740386759	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-65.336638	-65.33280858689589	Subarray start row	385	385
[deg] Pointing Roll	141.012992	141.1104872336198	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)	659990135.184000	659988529.5636899			
Observation start date	2018-11-30T18:34:26	2018-11-30T18:08:49			
[s] Observation end time (MET)	660012135.184000	660012808.22764			
Observation end date	2018-12-01T00:41:06	2018-12-01T00:53:28			
Read mode	TIMED	TIMED			

2.3 Aspect



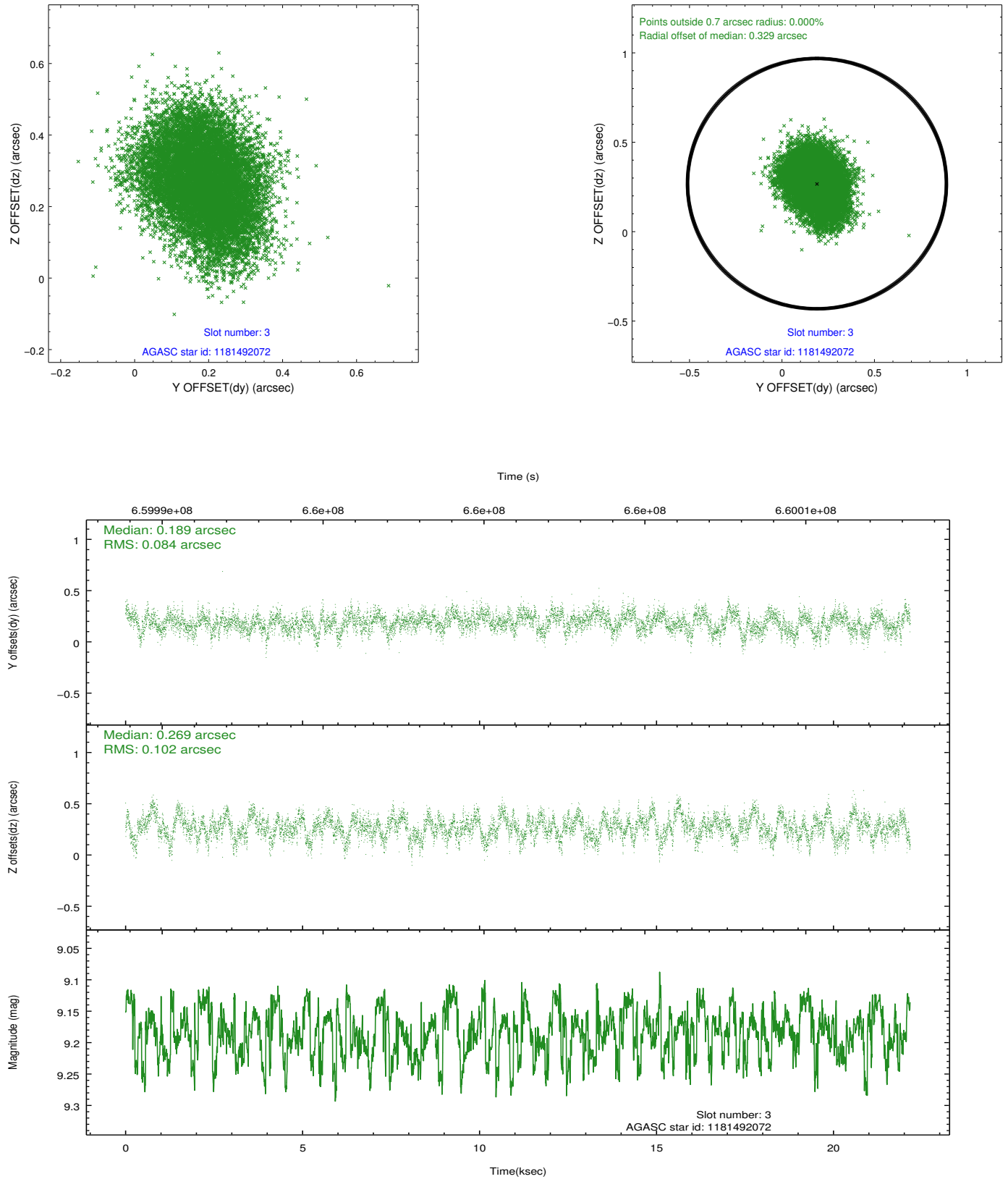


Slot Statistics

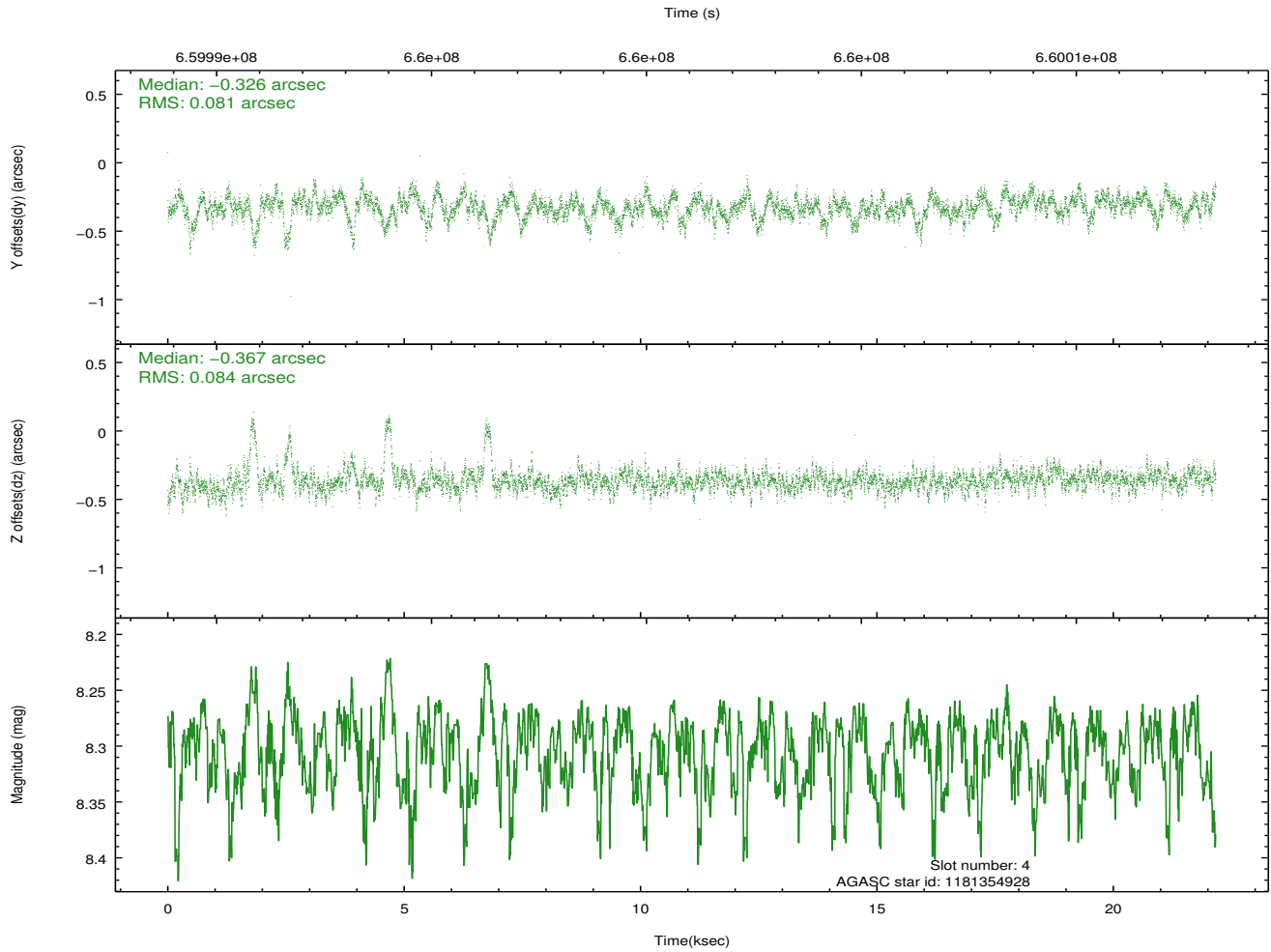
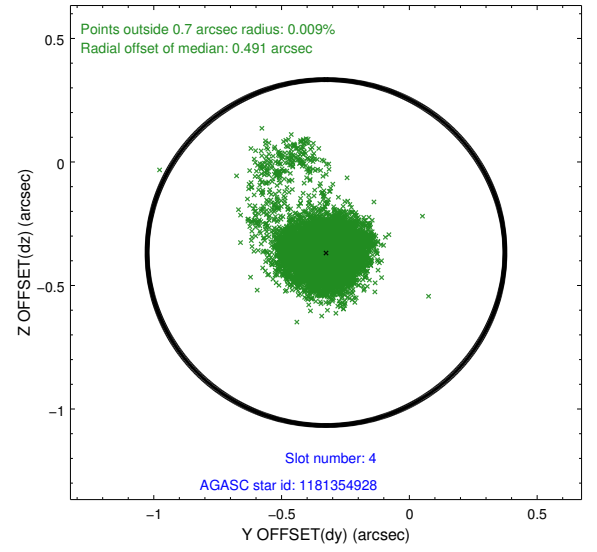
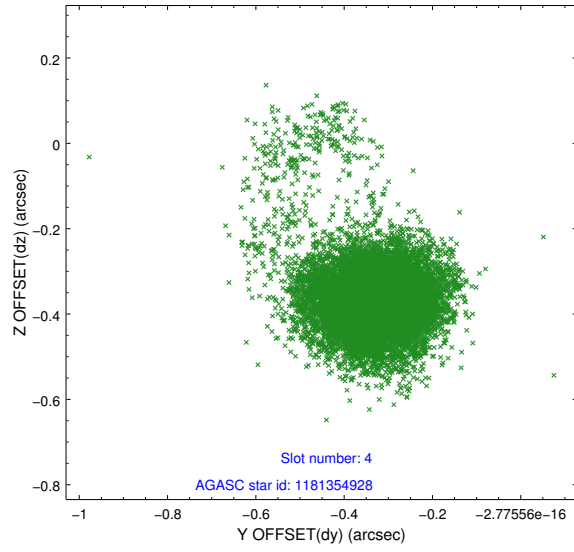
id	status	used	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		7.08	5408	1.000	-0.292	-0.146	0.024	0.056	0.000000	0.000000	-763.76	-1740
1	FID		7.20	5407	1.000	0.670	0.182	0.015	0.027	0.000000	0.000000	2150.34	168
2	FID		7.20	5408	1.000	-0.403	-0.028	0.031	0.063	0.000000	0.000000	-1816.58	161
3	GUIDE	used	9.18	10799	1.000	0.189	0.269	0.142	0.225	214.479575	-65.592809	-1946.53	-368
4	GUIDE	used	8.30	10807	1.000	-0.326	-0.367	0.108	0.195	211.086945	-65.415987	2366.19	2358
5	GUIDE	used	8.22	10808	1.000	-0.051	-0.023	0.093	0.158	212.359703	-64.776136	2391.90	-646
6	GUIDE	used	9.04	10800	1.000	0.408	0.311	0.168	0.269	214.965330	-65.517798	-2353.42	-1024
7	GUIDE	used	9.03	10800	1.000	-0.229	-0.198	0.123	0.222	213.720648	-66.170562	-2358.68	1955

2.4 Star Slots

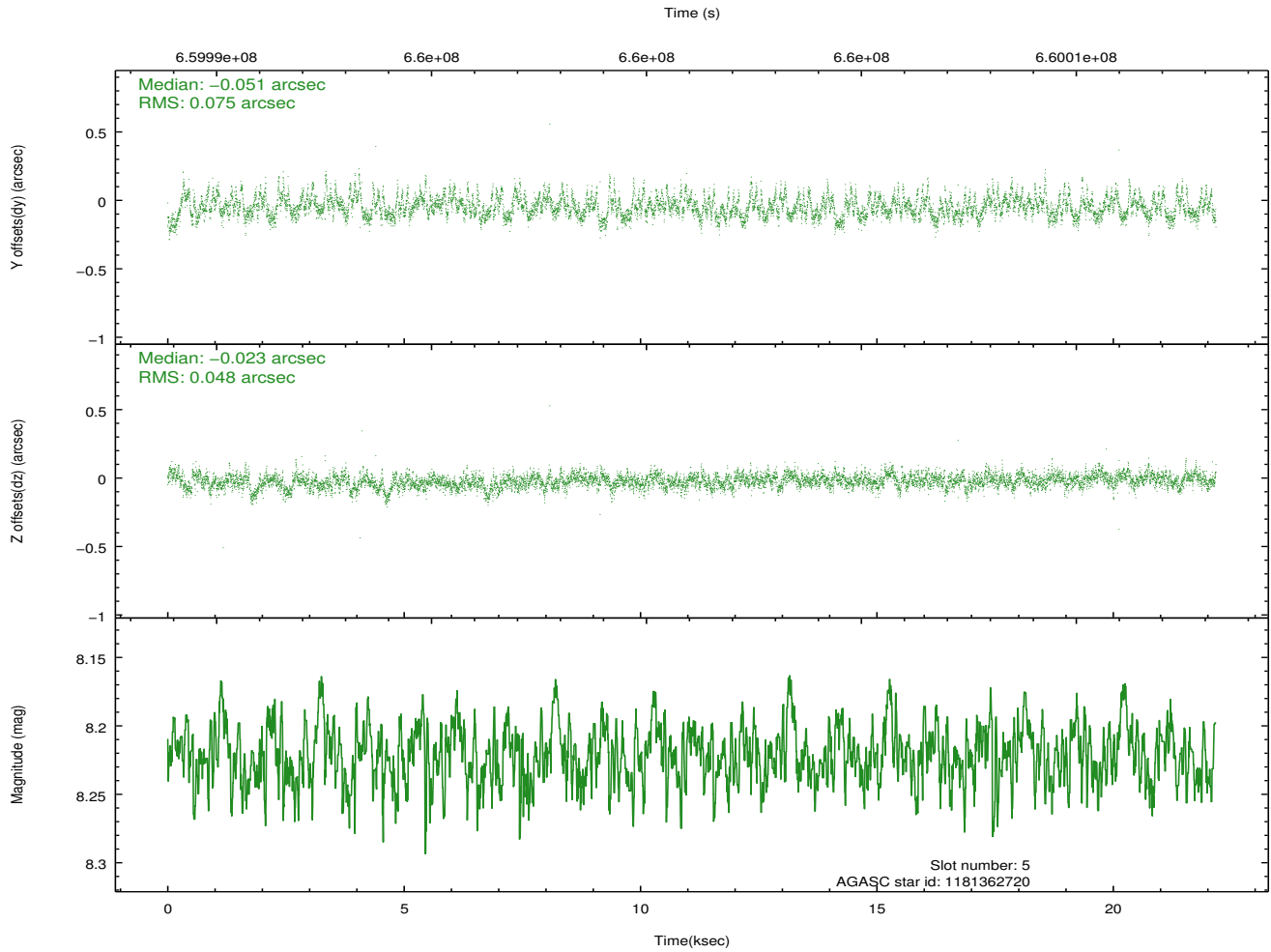
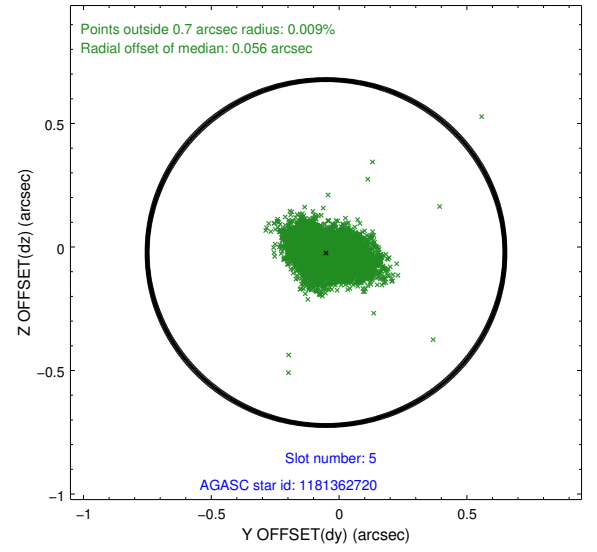
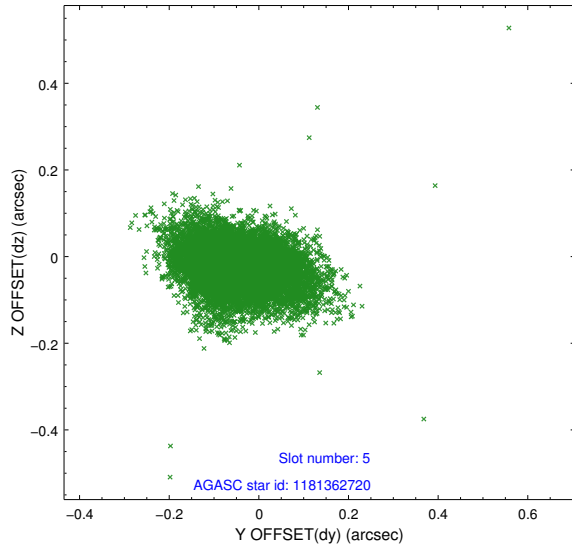
2.4.1 Slot 3



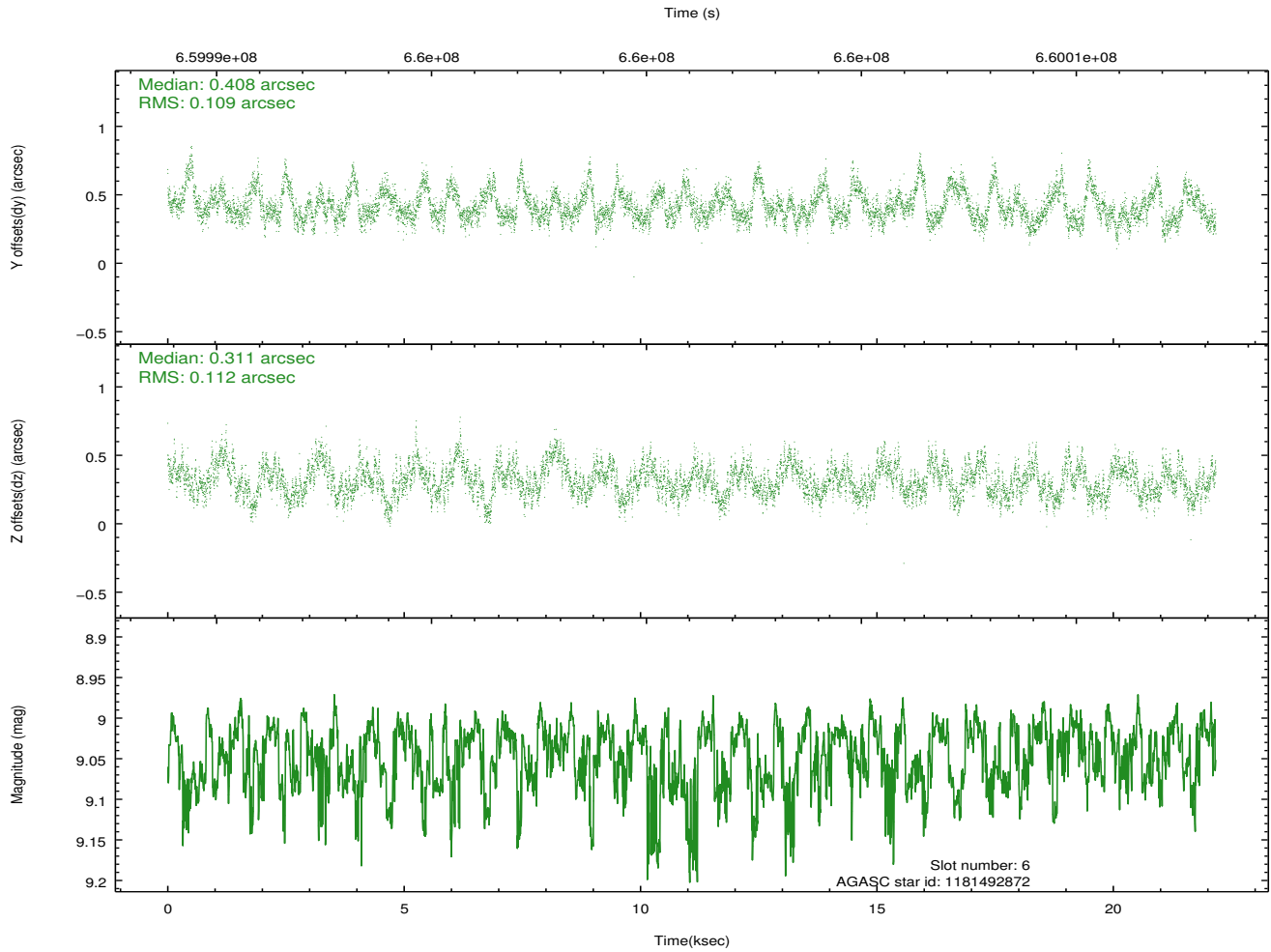
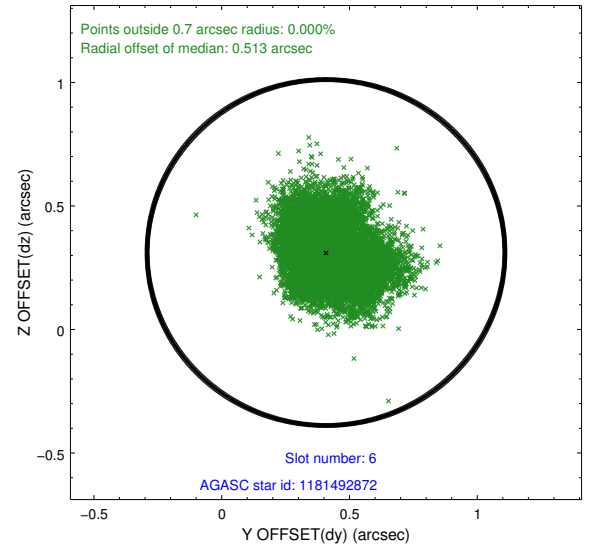
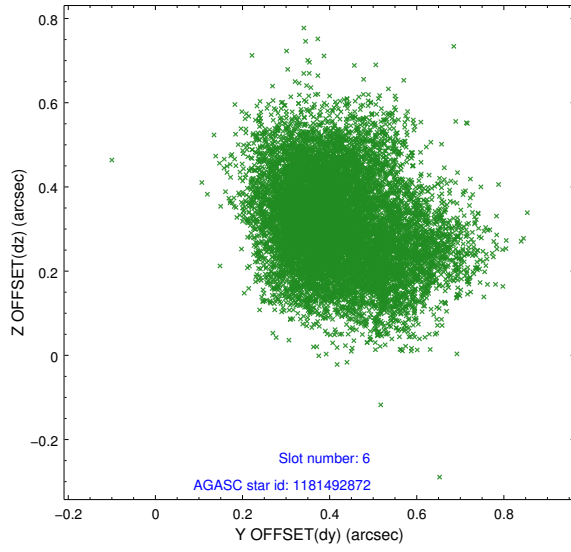
2.4.2 Slot 4



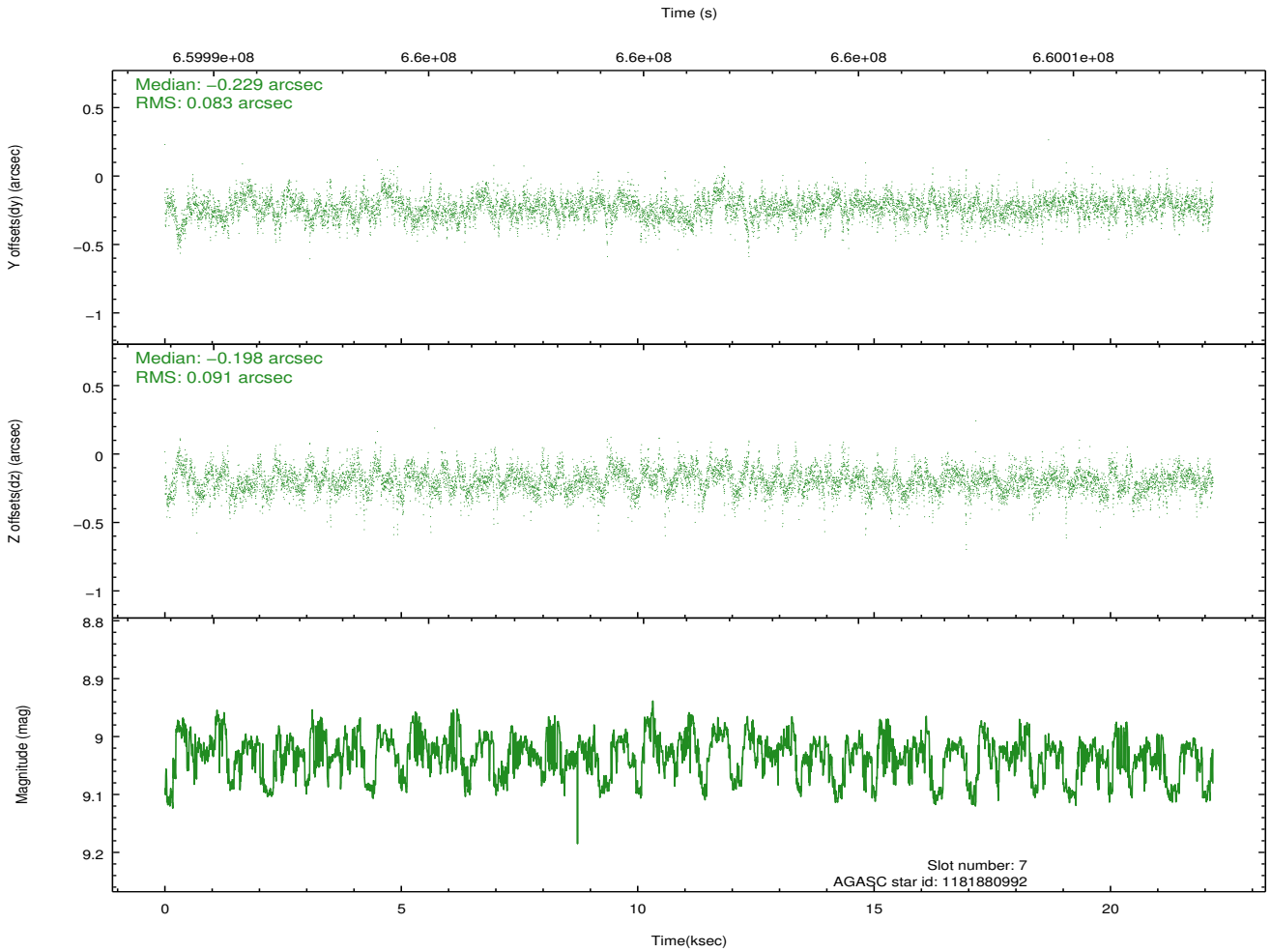
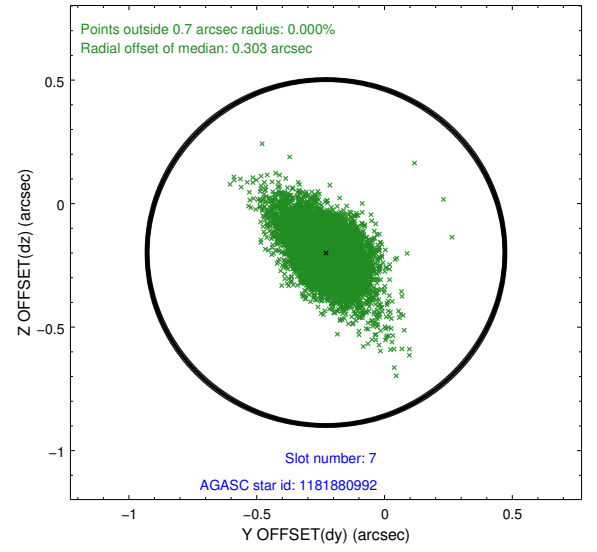
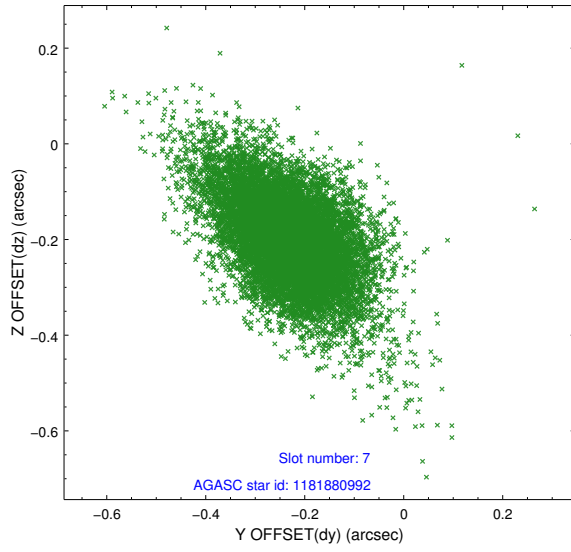
2.4.3 Slot 5



2.4.4 Slot 6

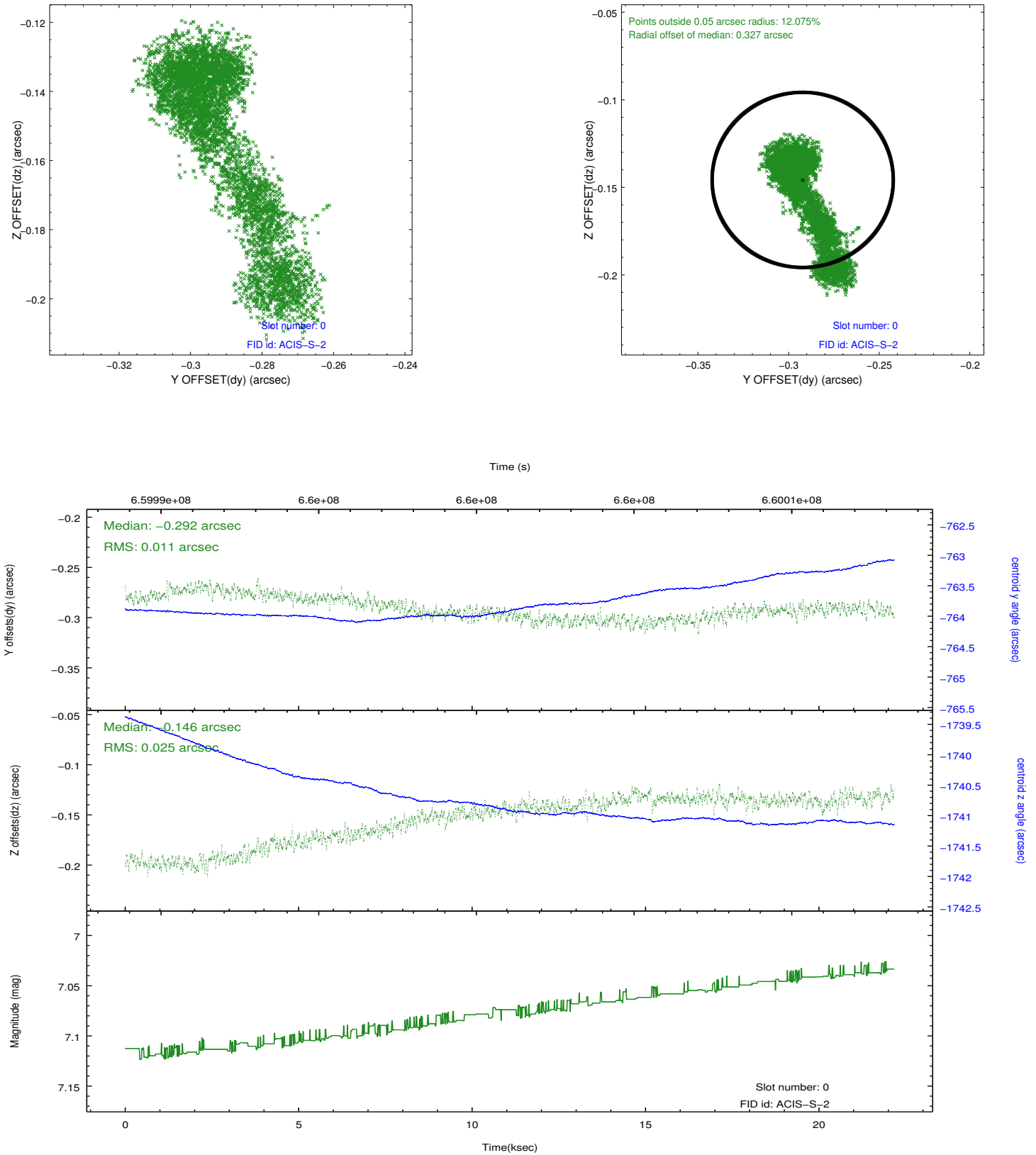


2.4.5 Slot 7

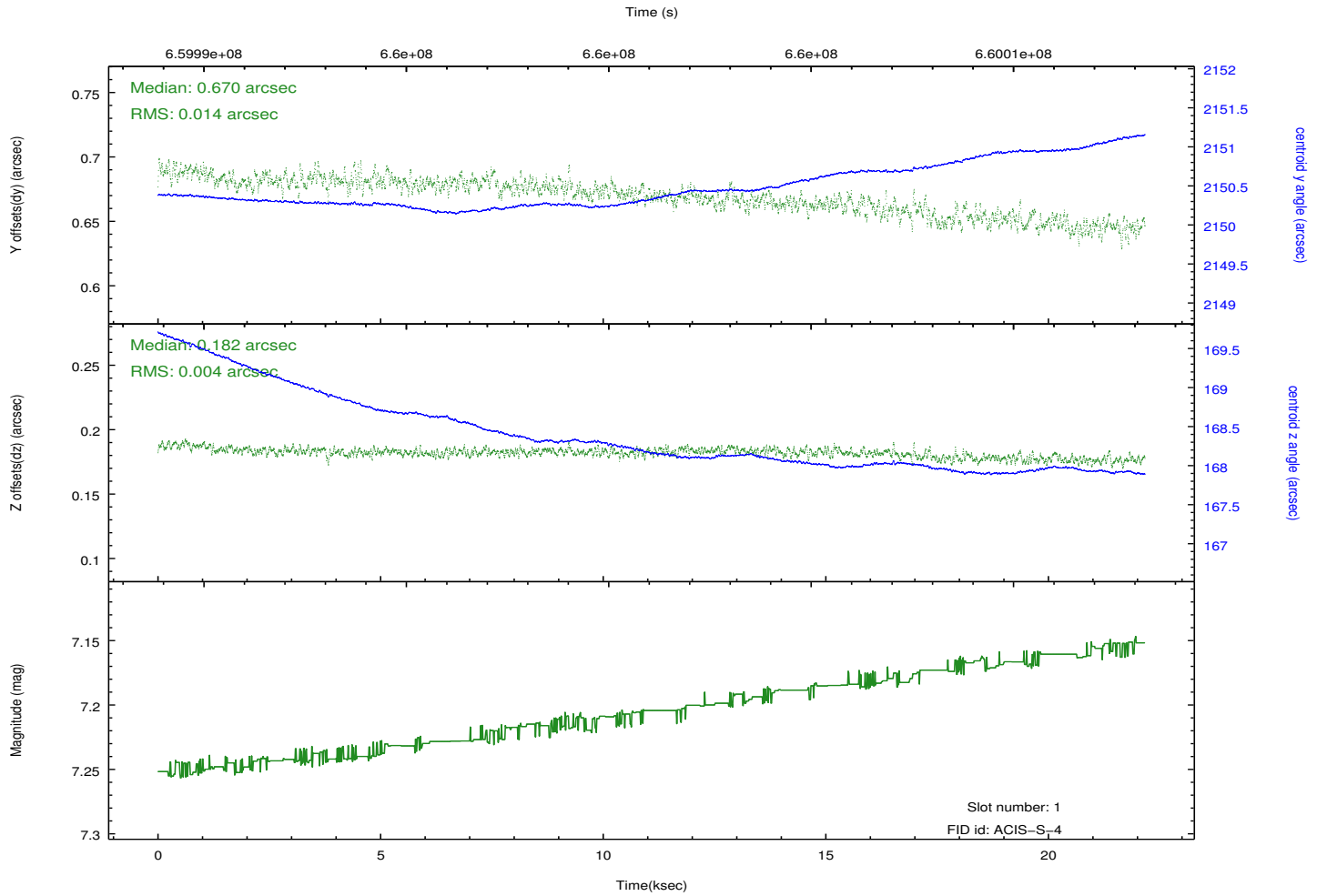
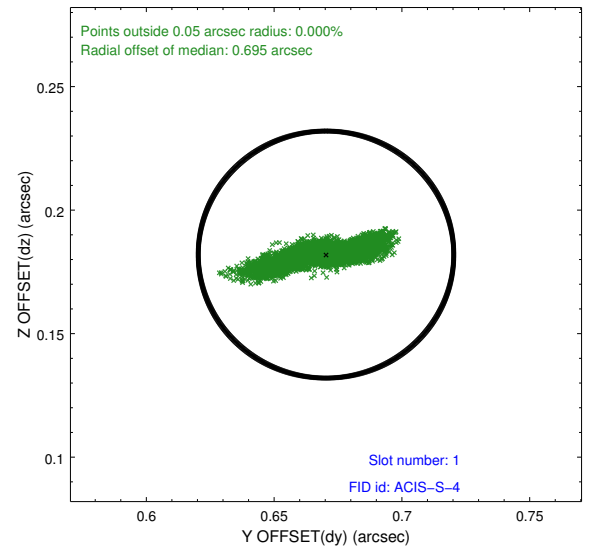
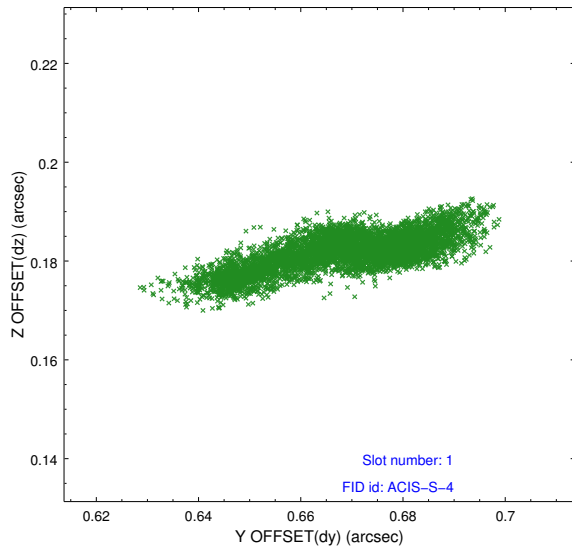


2.5 FID Slots

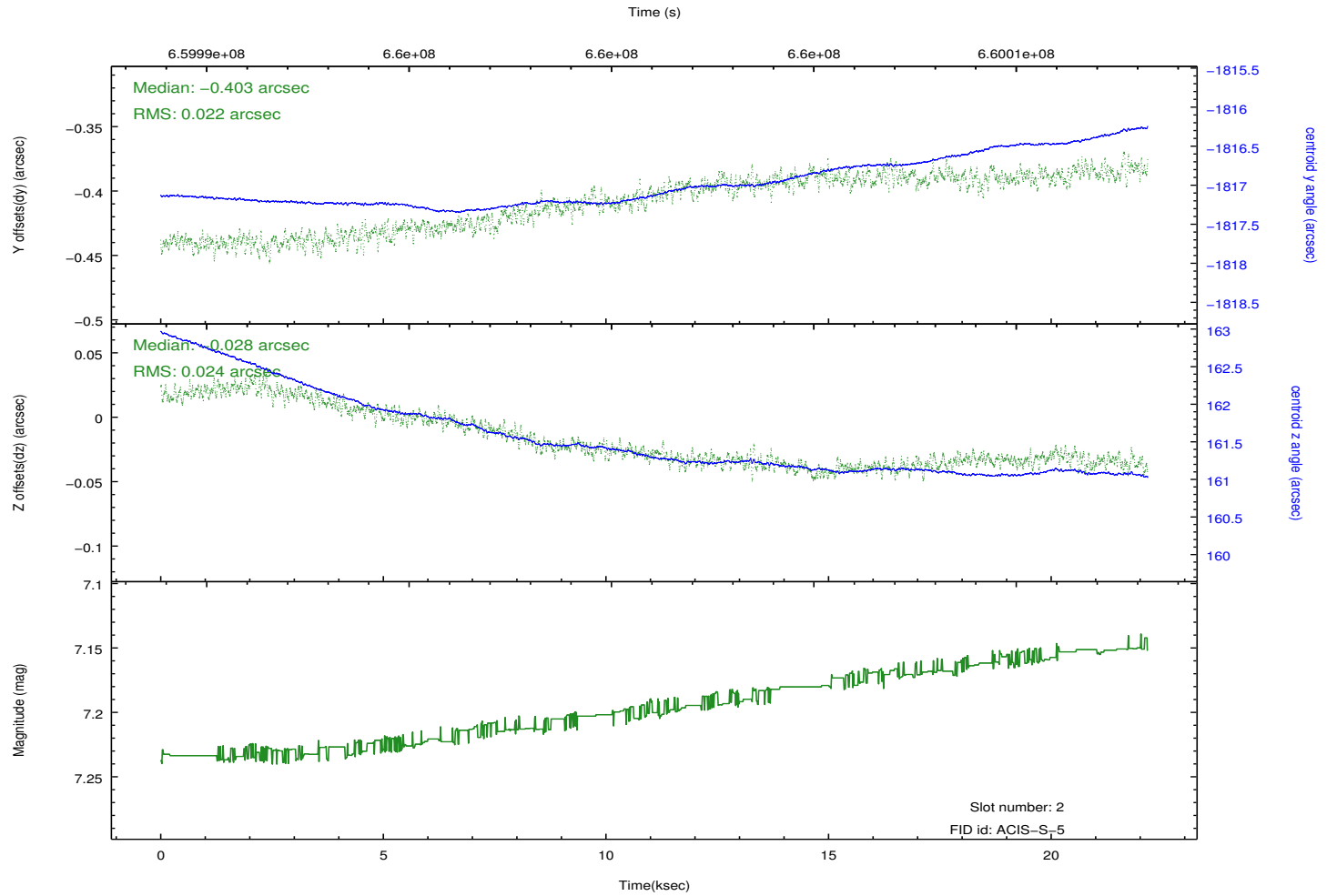
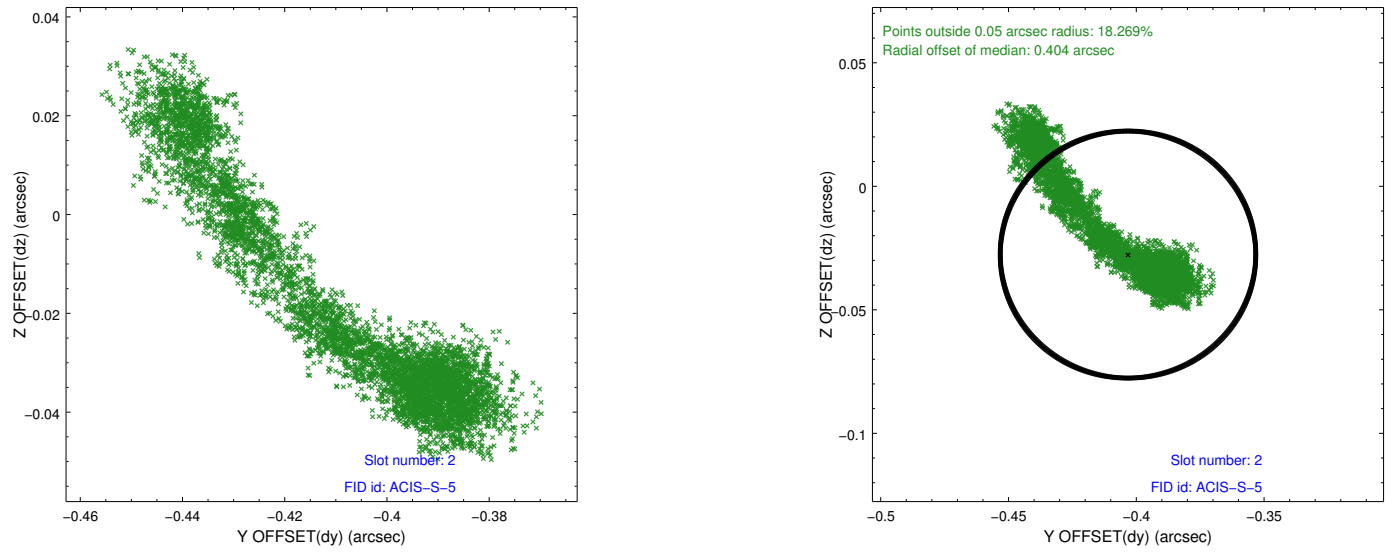
2.5.1 Slot 0



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)	2018.12.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	22.06049382925

A.2 Comments