

V&V Reference Report

L2 ASCDS Version : 10.8.1

Observation 23124 - L2 Version 1
Chandra X-Ray Center

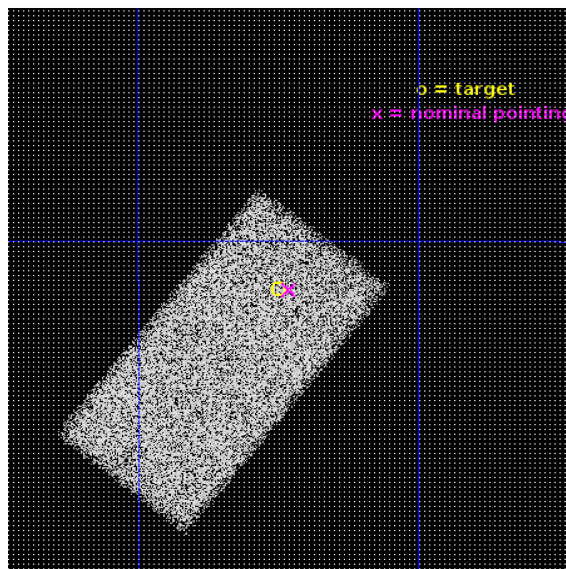
L2 Processing Date : Jan 15 2020

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1 Front

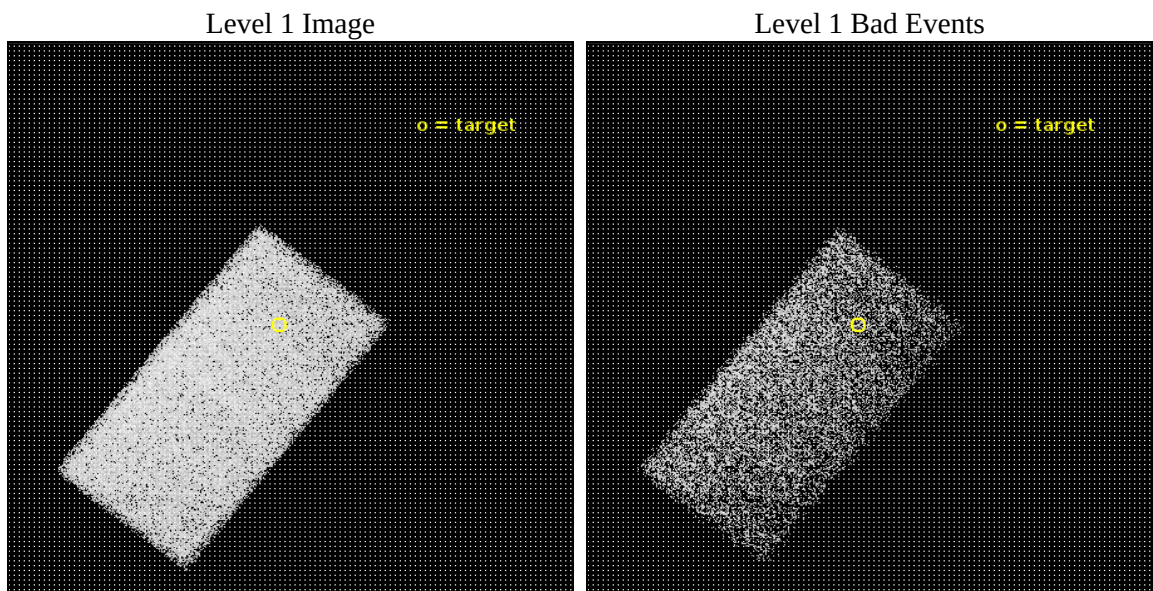
seq_num	704035	Sequence number
obs_id	23124	Observation id
title	X-ray observations of the southern part of a complete sample of extragalactic radio sources	Proposal title
observer	Mark Birkinshaw	Principal investigator
object	MRCB1706-606	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	257.623871	Observer's specified target RA [deg]
dec_targ	-60.68819	Observer's specified target Dec [deg]
ra_nom	257.61465282572	Nominal RA [deg]
dec_nom	-60.688689064983	Nominal Dec [deg]
roll_nom	128.35608036486	Nominal Roll [deg]
revision	1	Processing version of data
ontime	19146.0	Sum of GTIs [s]
livetime	18636.115869802	Livetime [s]
ontime7	19146.0	Sum of GTIs [s]
l2events	42073	Number of level 2 events



2 OBI

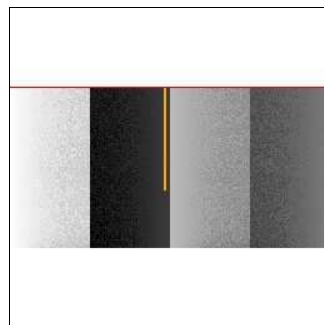
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19071.062000	[s] Scheduled observation exposure time
ascdsver	10.8.1	Processing system revision	ontime	19146.0	Sum of GTIs [s]
caldsver	4.8.4.2	 	ontime7	19146.0	Sum of GTIs [s]
date	2020-01-15T21:51:30	Date and time of file creation	l1events	95537	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

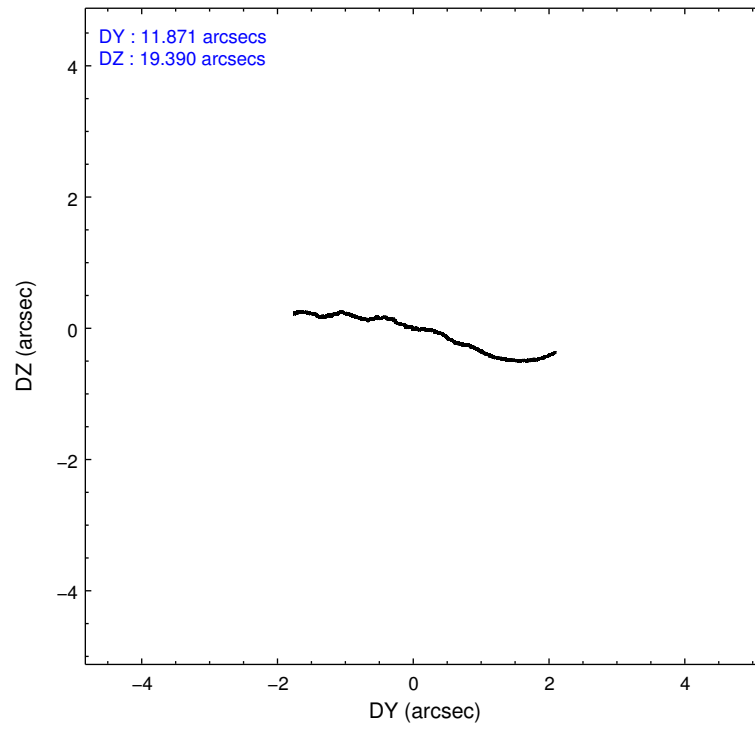
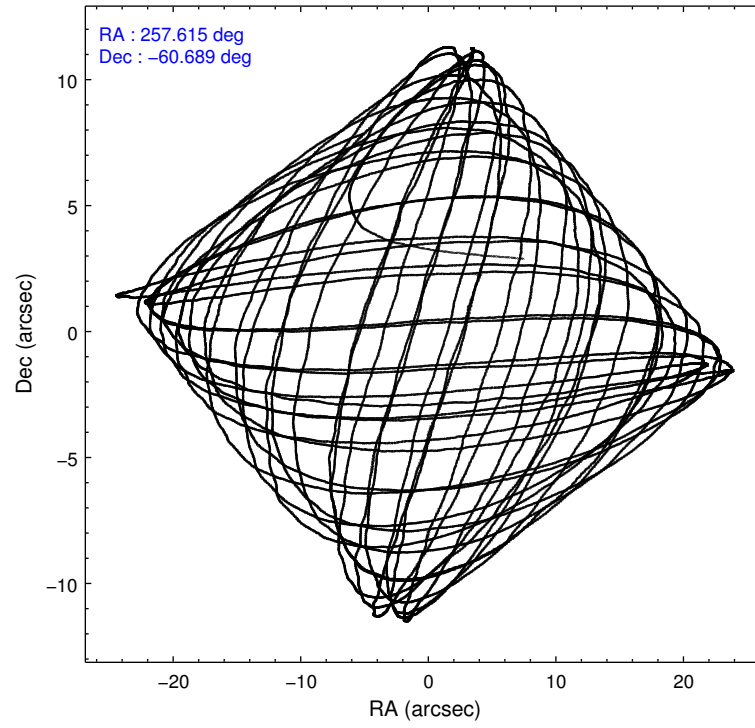
	ccd 7
level 1 events	95537
rejected events	52195
rejected %	54%

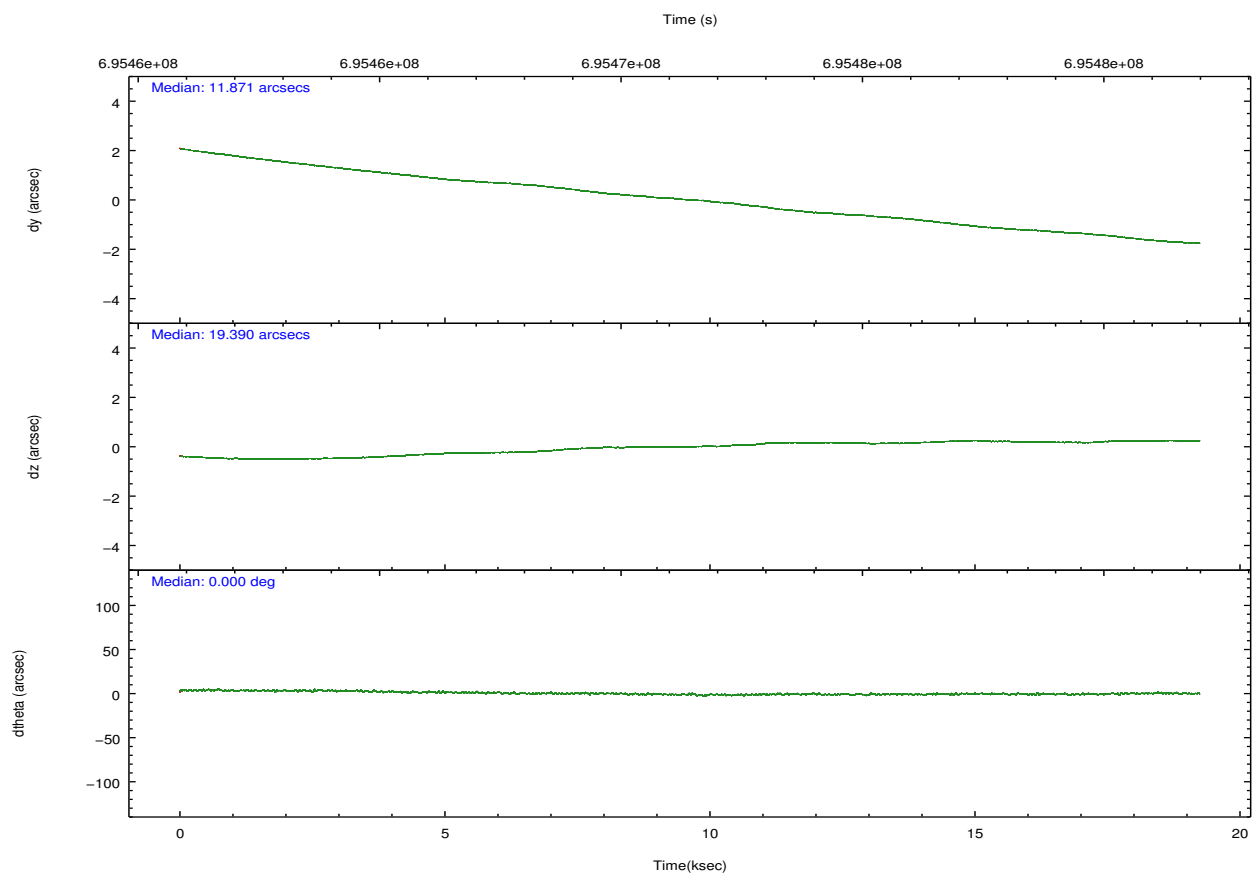
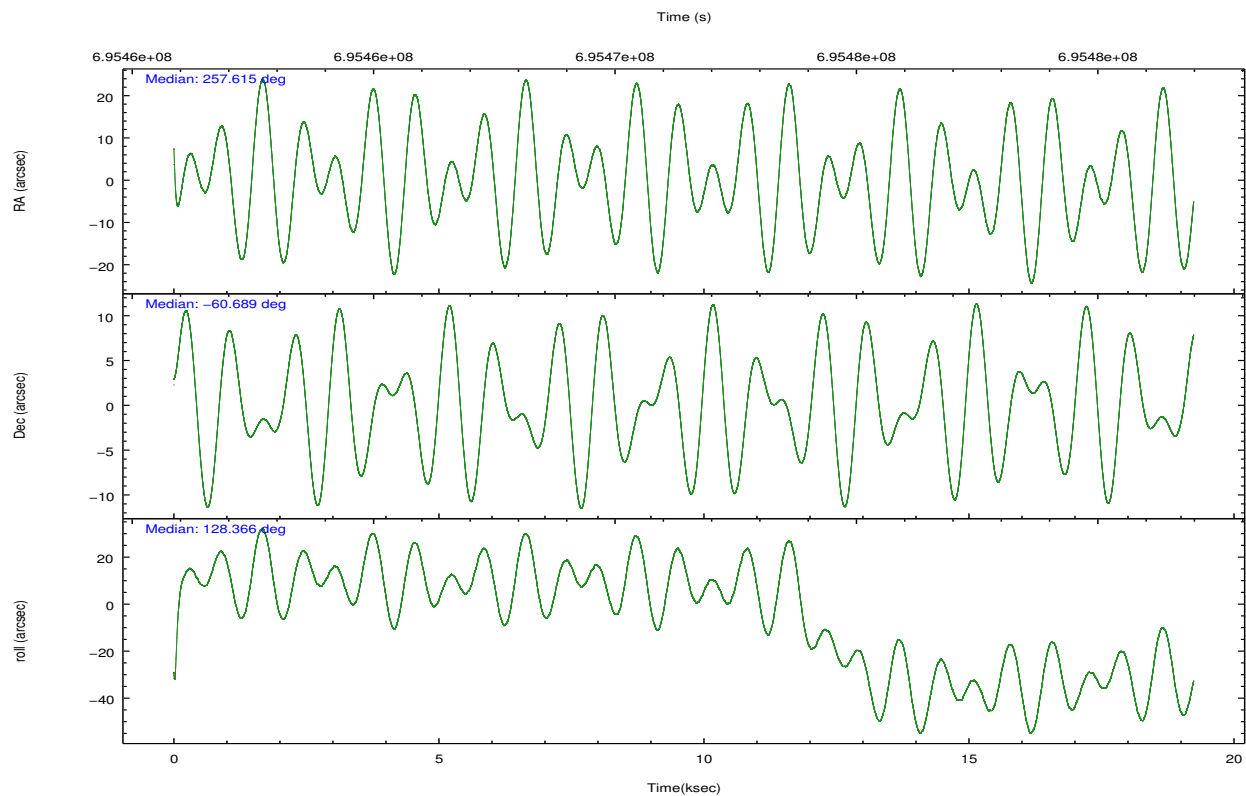
	ccd 7
grade 0 events	3915
	4%
grade 1 events	126
	0%
grade 2 events	8888
	9%
grade 3 events	3884
	4%
grade 4 events	4037
	4%
grade 5 events	9464
	9%
grade 6 events	22625
	23%
grade 7 events	42598
	44%

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	257.667075	257.6146528257212	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	-60.698479	-60.68868906498309	Subarray start row	257	257
[deg] Pointing Roll	128.245204	128.3560803648553	Subarray row count	512	512
[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	1.5
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	695461977.184000	695460599.58033			
Observation start date	2020-01-15T07:51:48	2020-01-15T07:29:59			
[s] Observation end time (MET)	695481048.184000	695482160.96913			
Observation end date	2020-01-15T13:09:39	2020-01-15T13:29:20			
Read mode	TIMED	TIMED			

2.3 Aspect



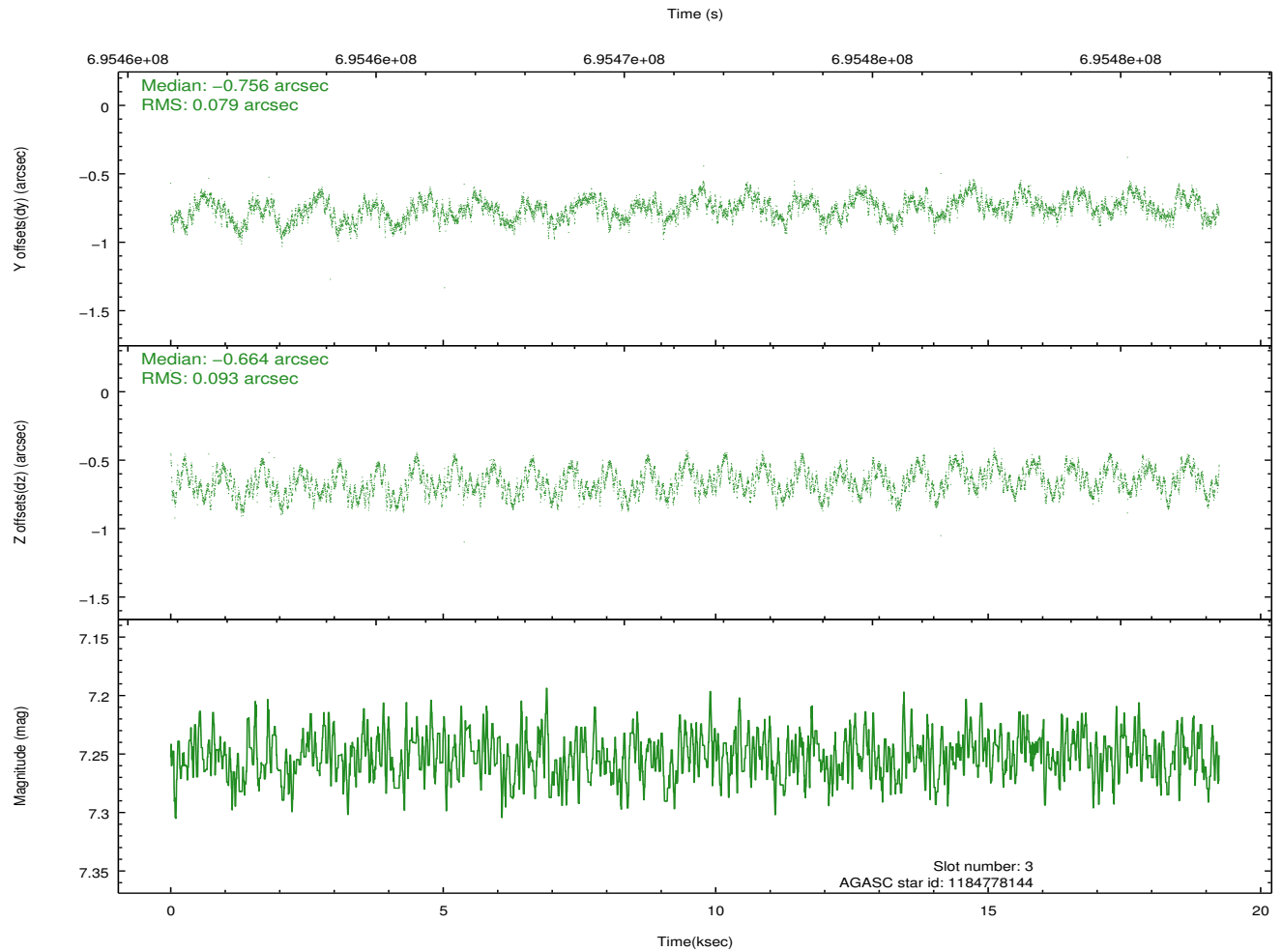
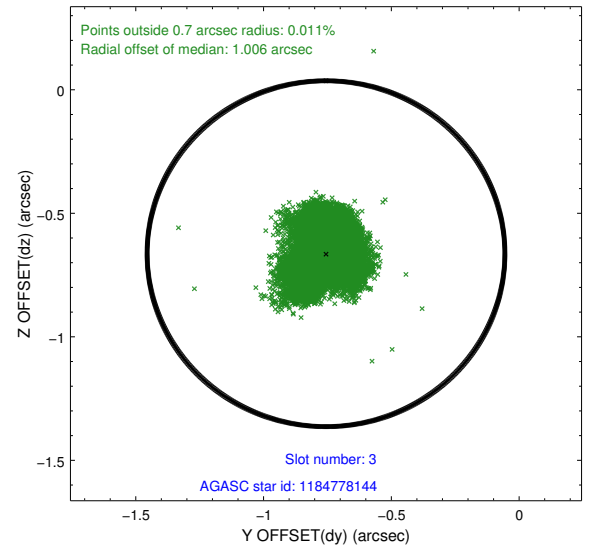
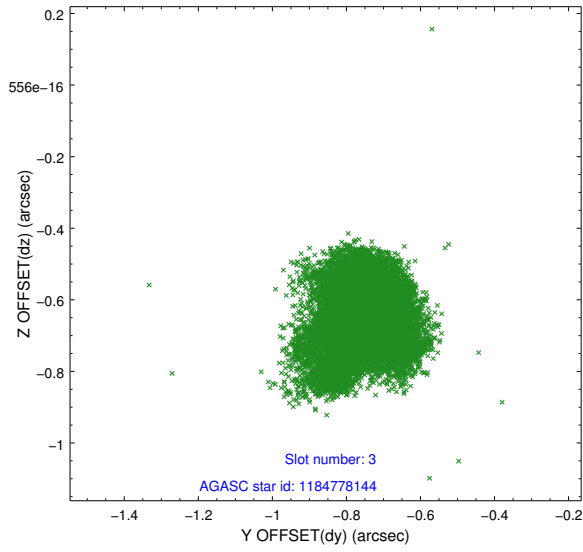


Slot Statistics

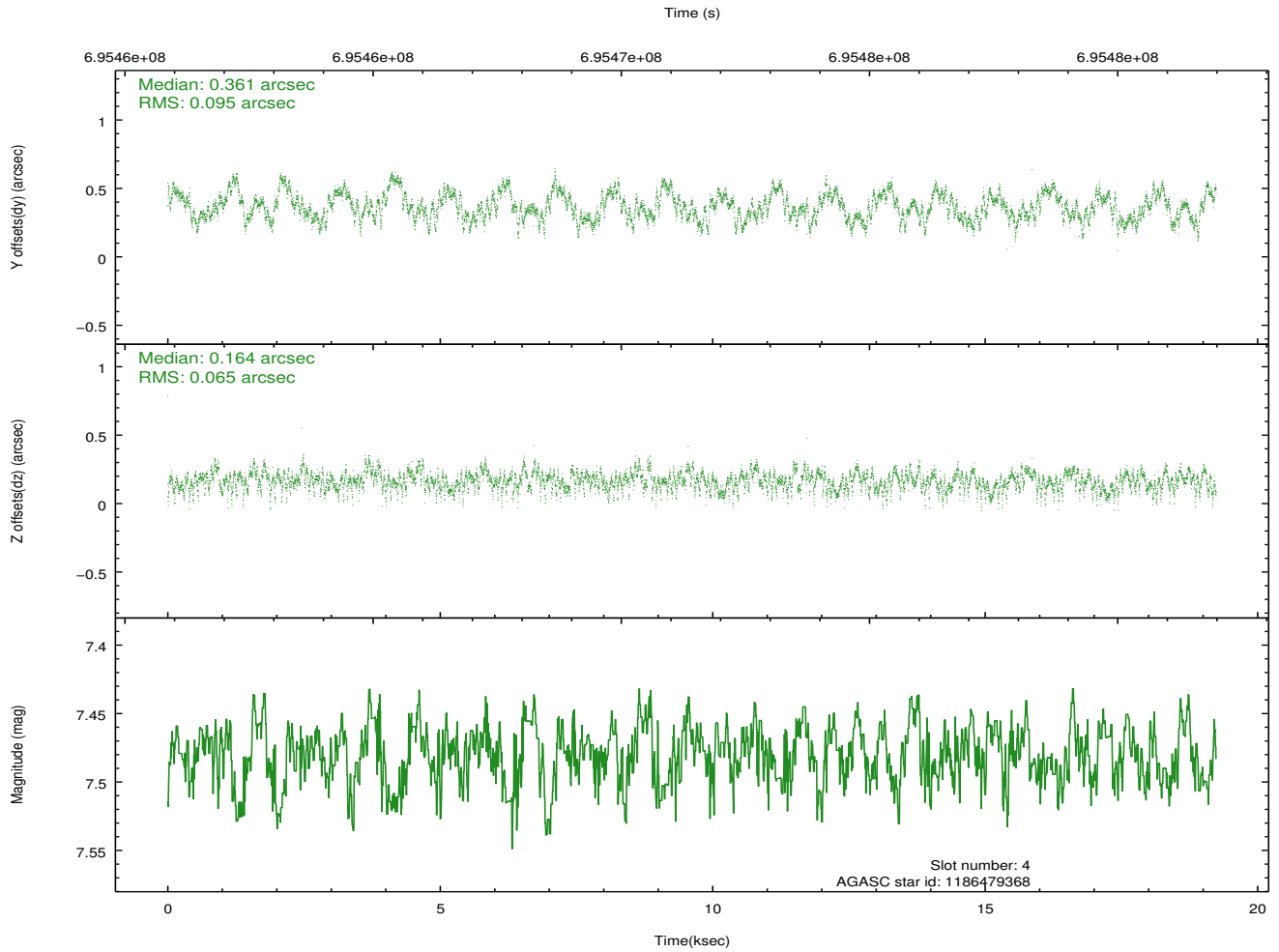
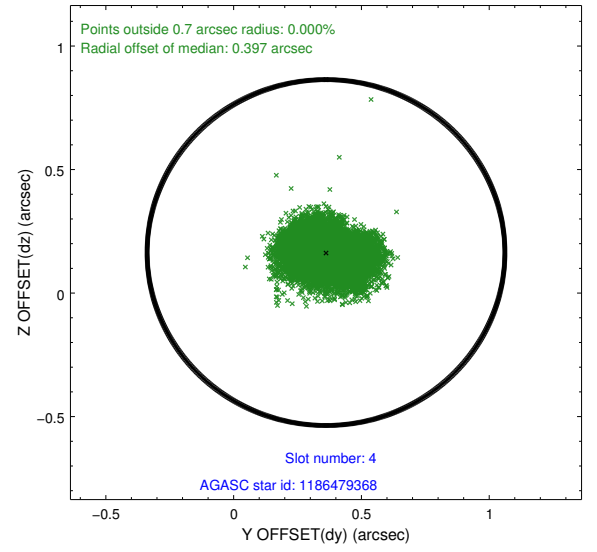
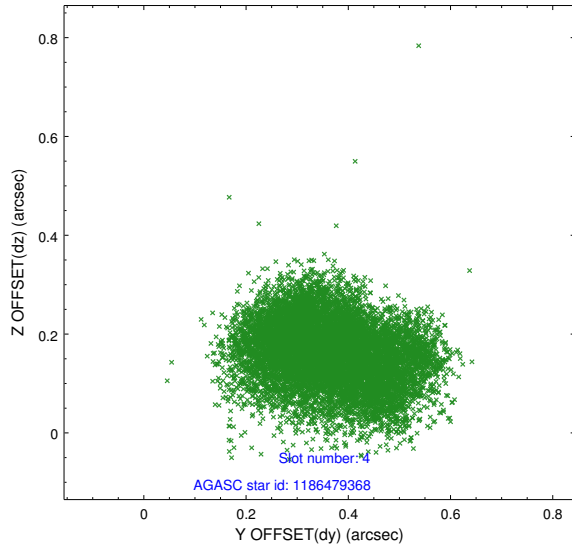
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.19	4692	1.000	0.061	-0.009	0.026	0.035	0.000000	0.000000	931.15	-1736
1	FID		ACIS-S-3	7.37	4693	1.000	-0.412	-0.324	0.031	0.048	0.000000	0.000000	48.08	-1870
2	FID		ACIS-S-4	7.23	4693	1.000	0.325	0.342	0.011	0.025	0.000000	0.000000	2148.92	167
3	GUIDE	used	1184778144	7.25	9384	1.000	-0.756	-0.664	0.136	0.198	256.549682	-60.420787	2001.15	950
4	GUIDE	used	1186479368	7.48	9386	1.000	0.361	0.164	0.125	0.191	258.931691	-60.798614	-1673.56	-1506
5	GUIDE	used	1186480632	7.79	9384	1.000	0.348	0.208	0.100	0.160	259.392412	-60.844707	-2317.31	-2024
6	GUIDE	used	1186487016	7.87	9384	1.000	0.406	0.165	0.097	0.163	259.162102	-60.956295	-2368.89	-1457
7	GUIDE	used	1186487608	7.77	9383	1.000	-0.367	0.118	0.100	0.161	257.763520	-60.615348	129.52	-318

2.4 Star Slots

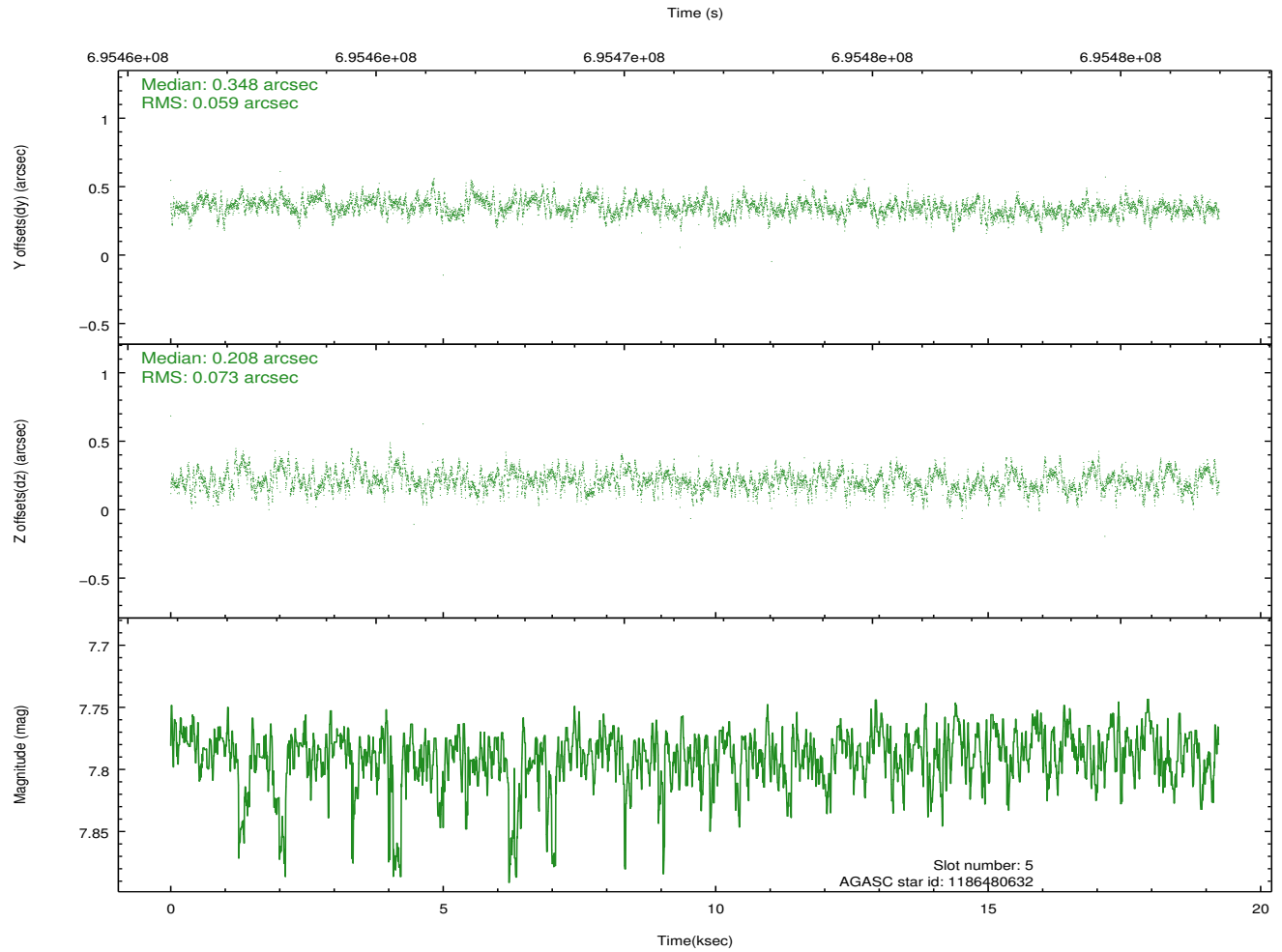
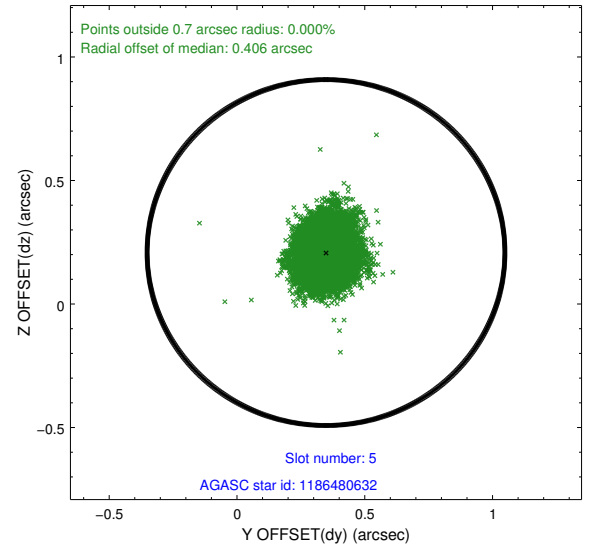
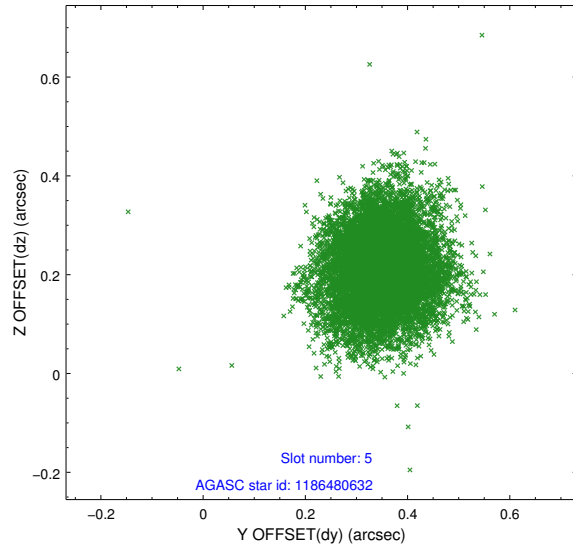
2.4.1 Slot 3



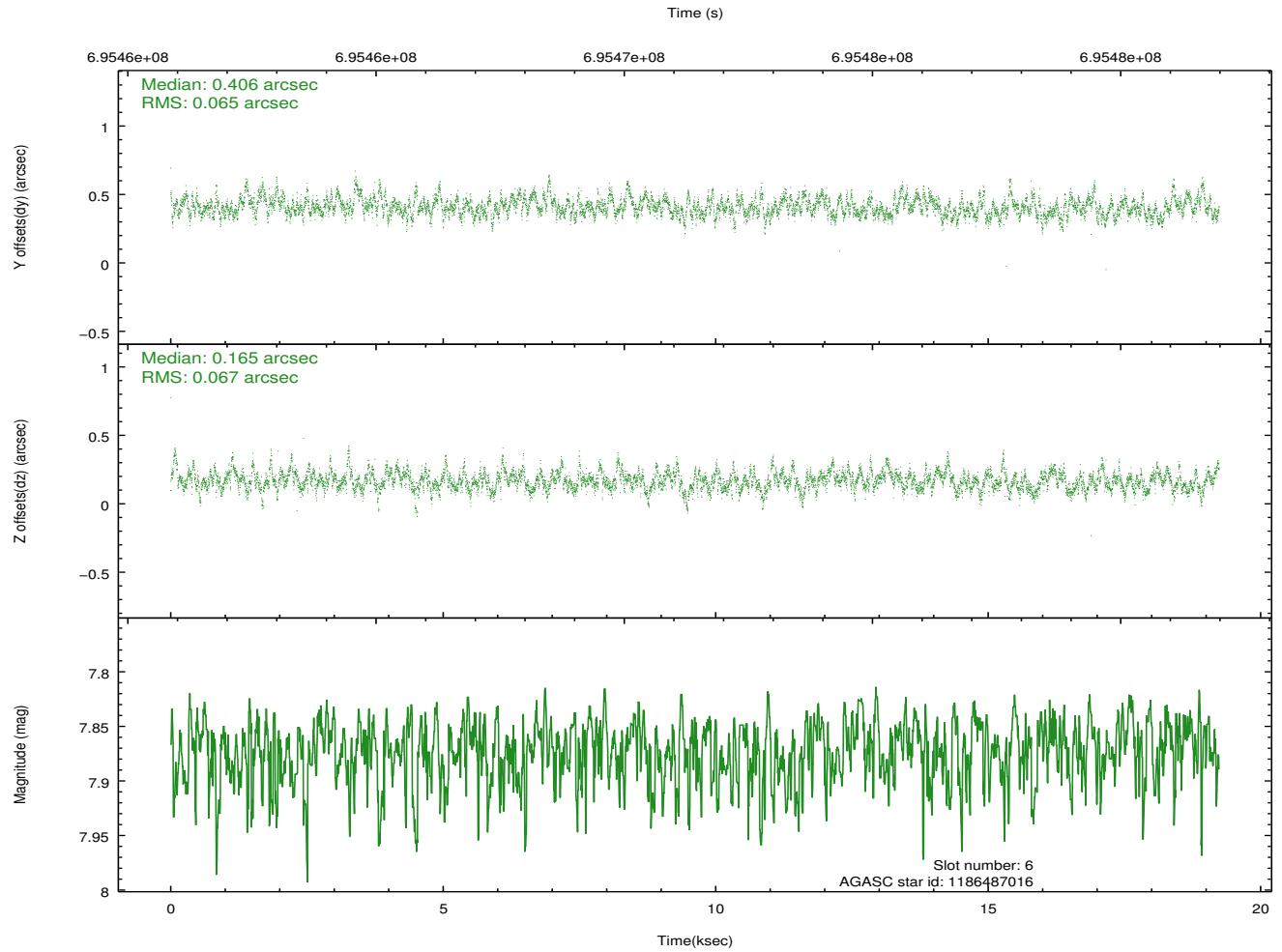
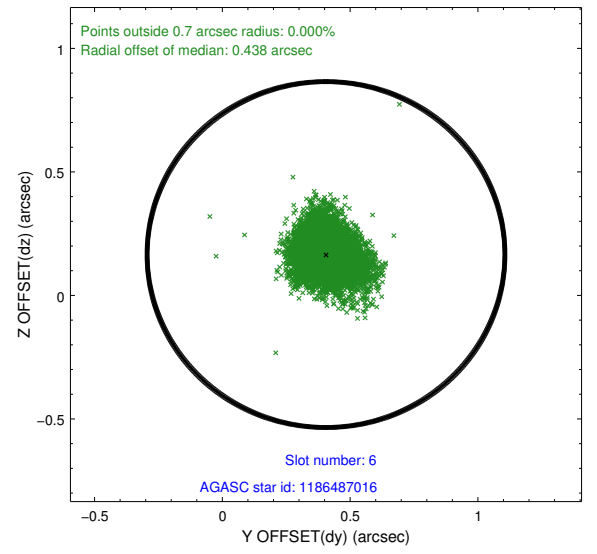
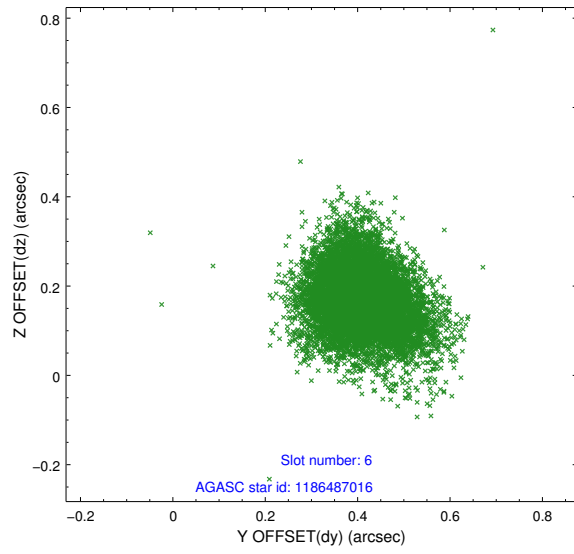
2.4.2 Slot 4



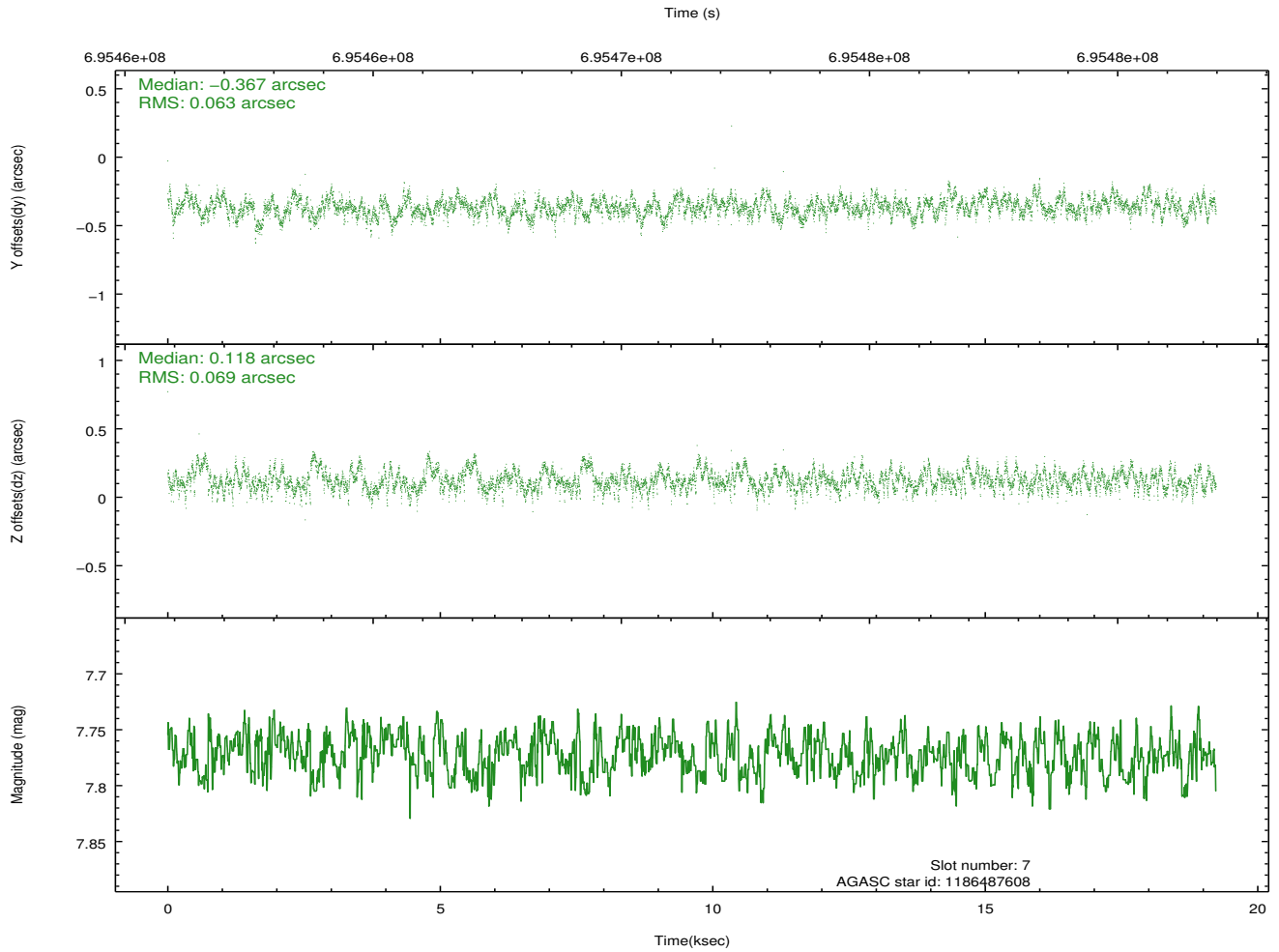
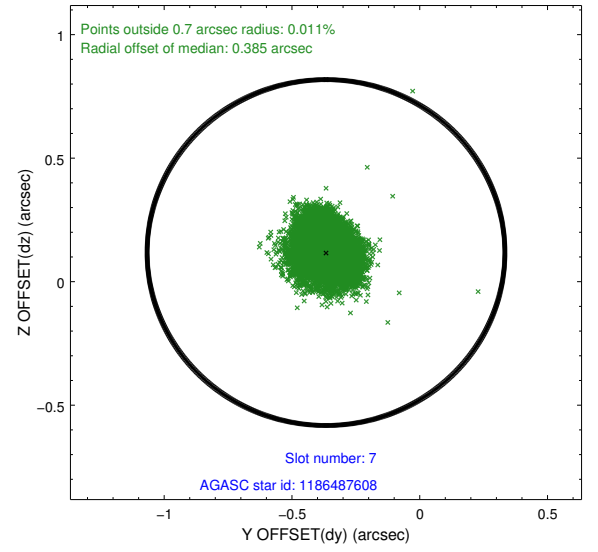
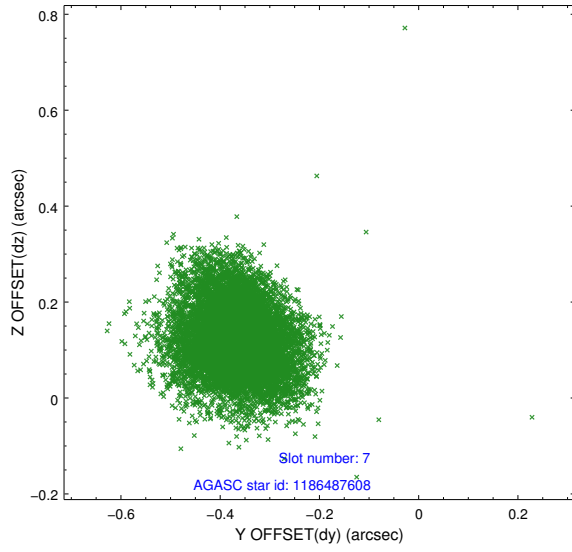
2.4.3 Slot 5



2.4.4 Slot 6

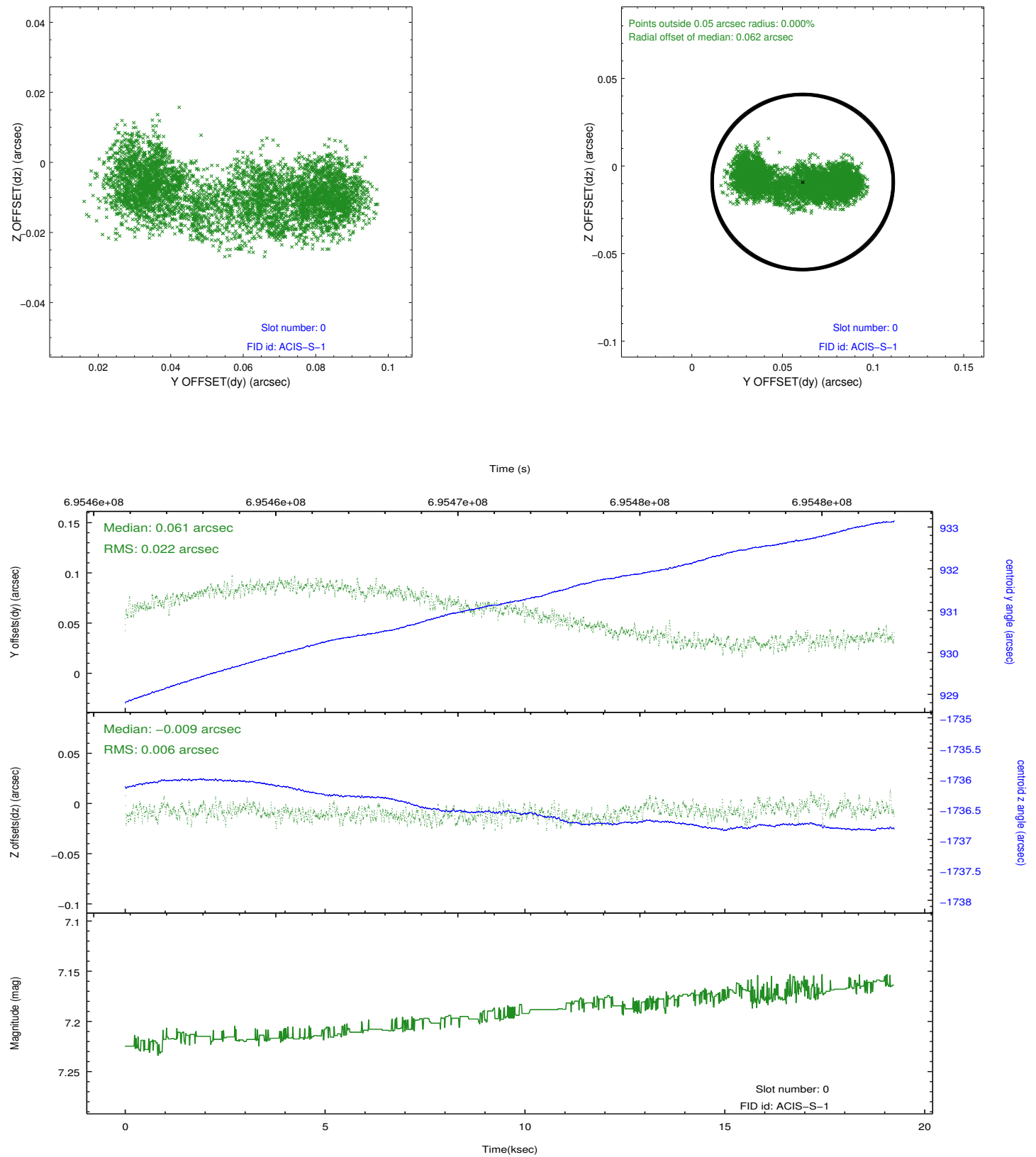


2.4.5 Slot 7

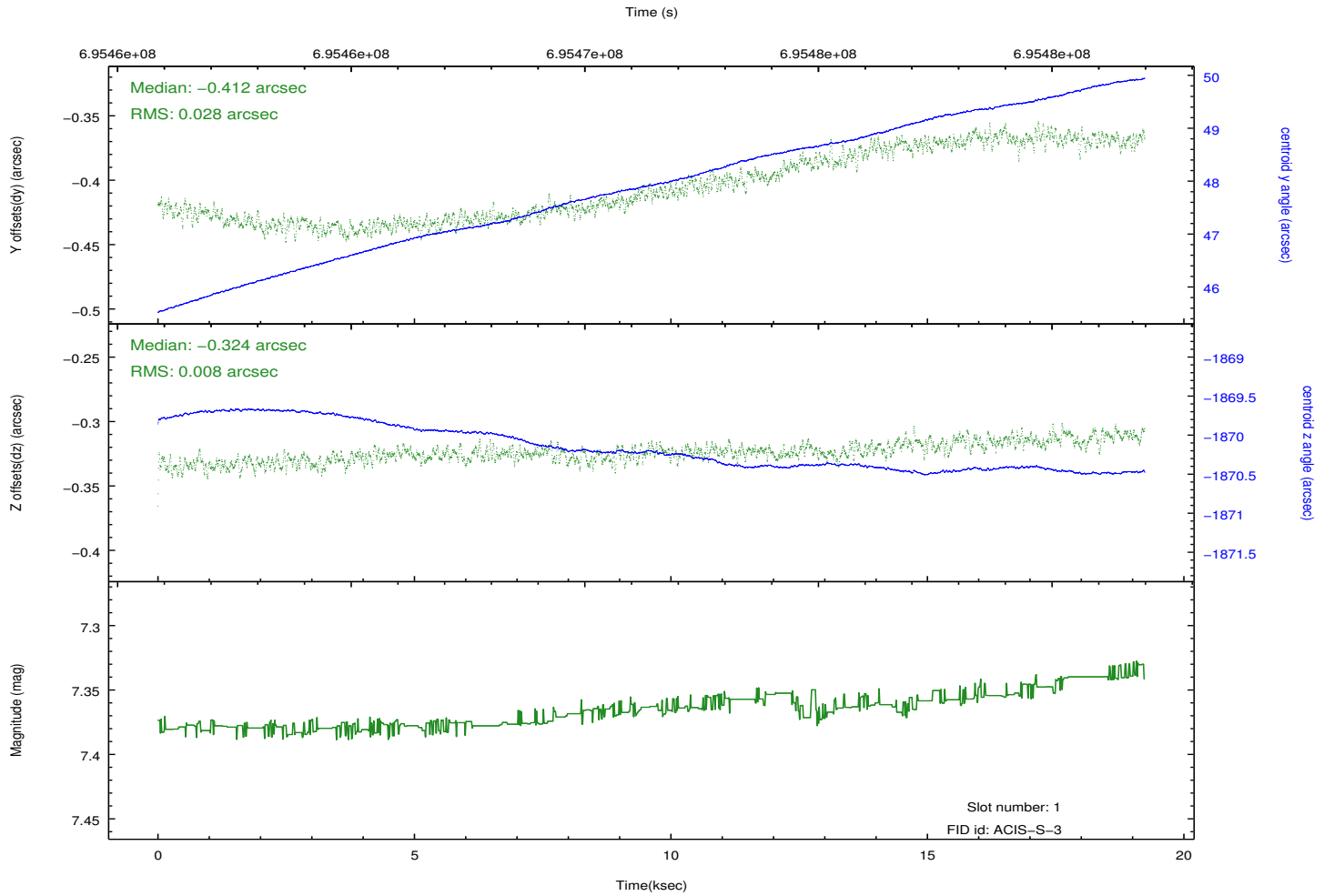
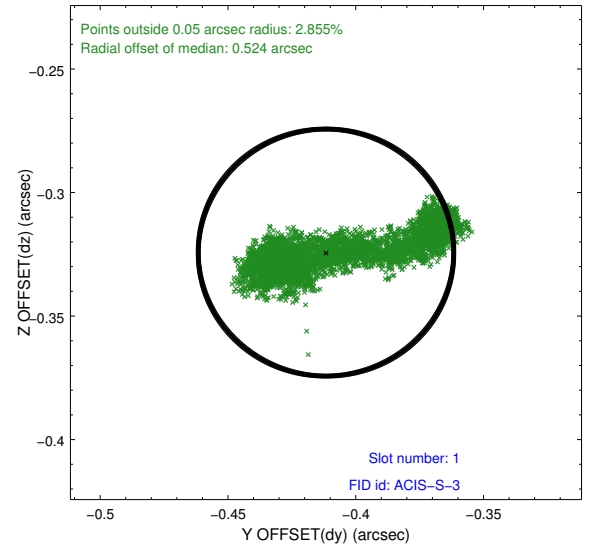
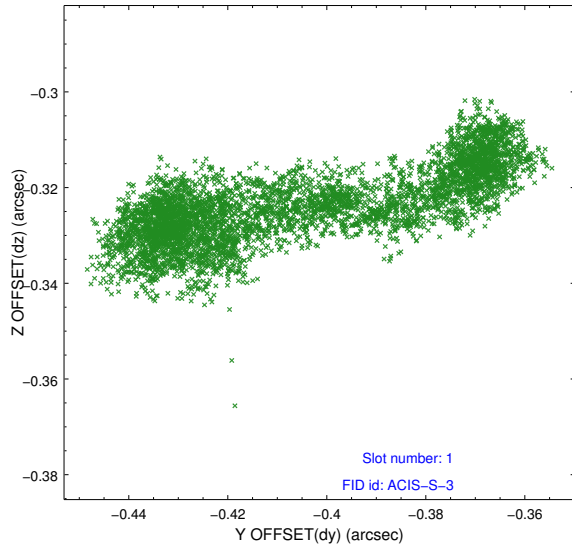


2.5 FID Slots

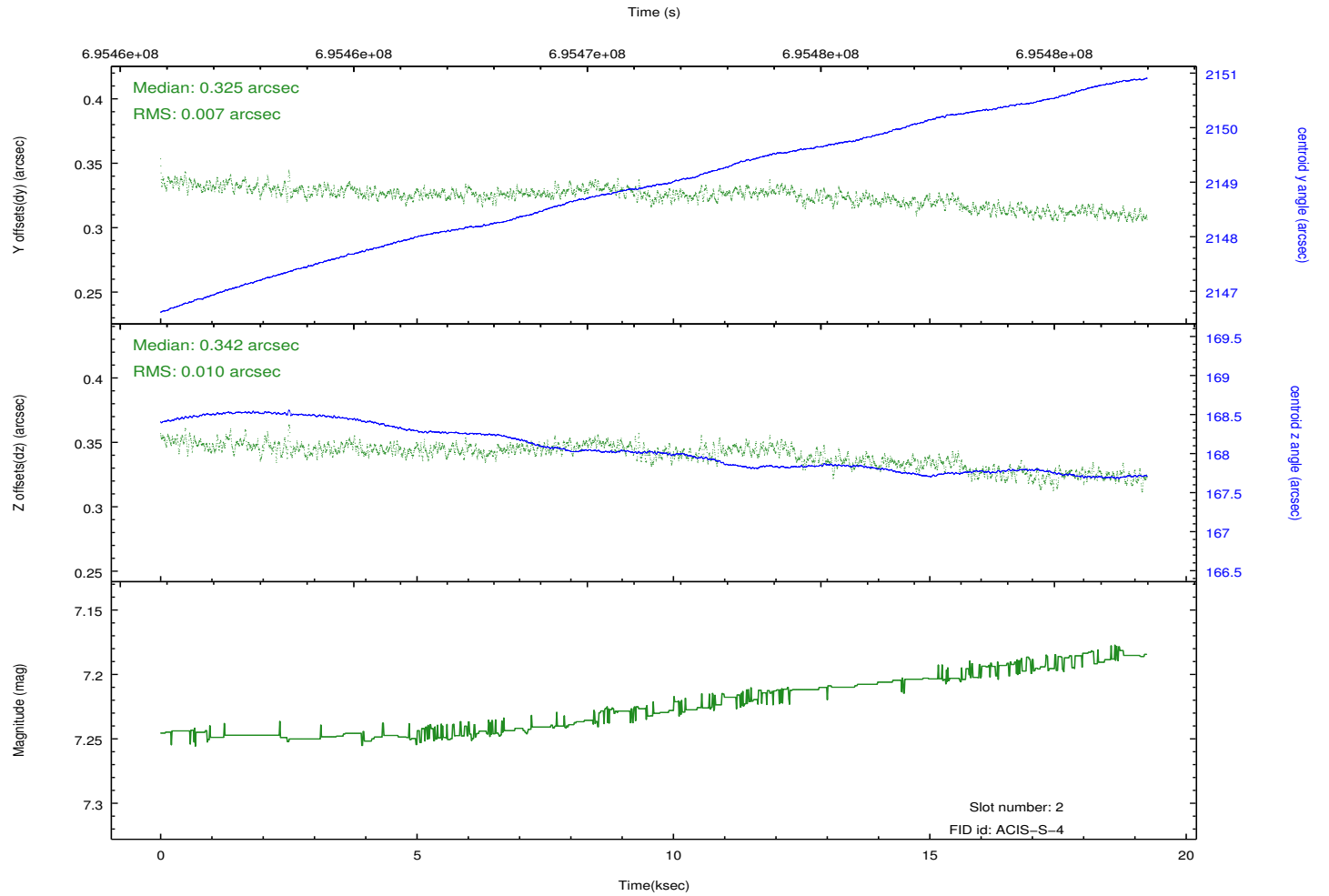
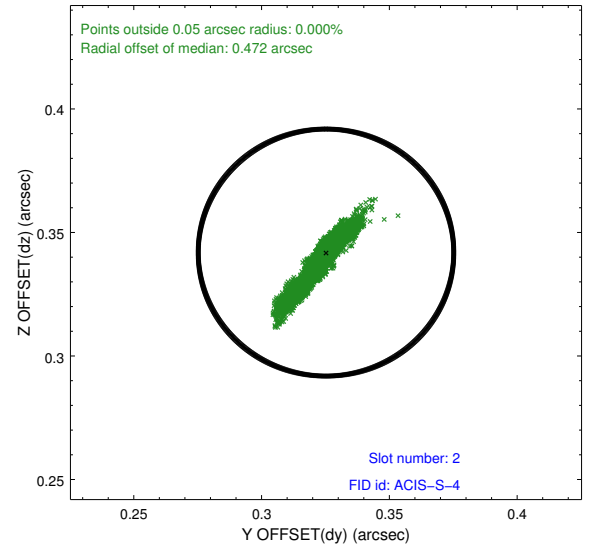
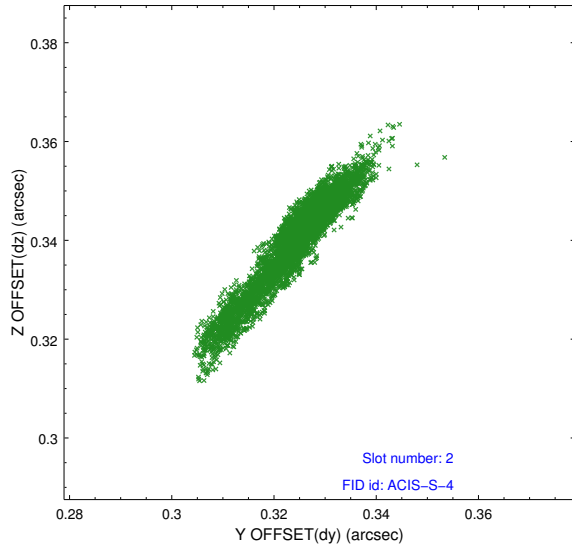
2.5.1 Slot 0



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)	2020.01.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.146

A.2 Comments