

V&V Reference Report

L2 ASCDS Version : 10.8.1

Observation 23142 - L2 Version 1
Chandra X-Ray Center

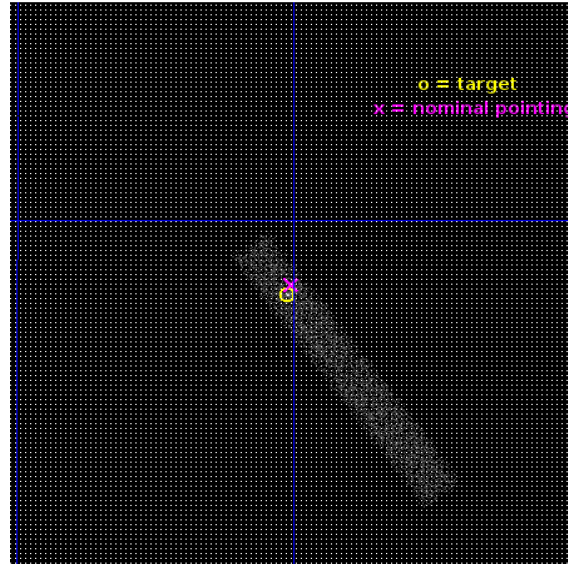
L2 Processing Date : Feb 9 2020

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

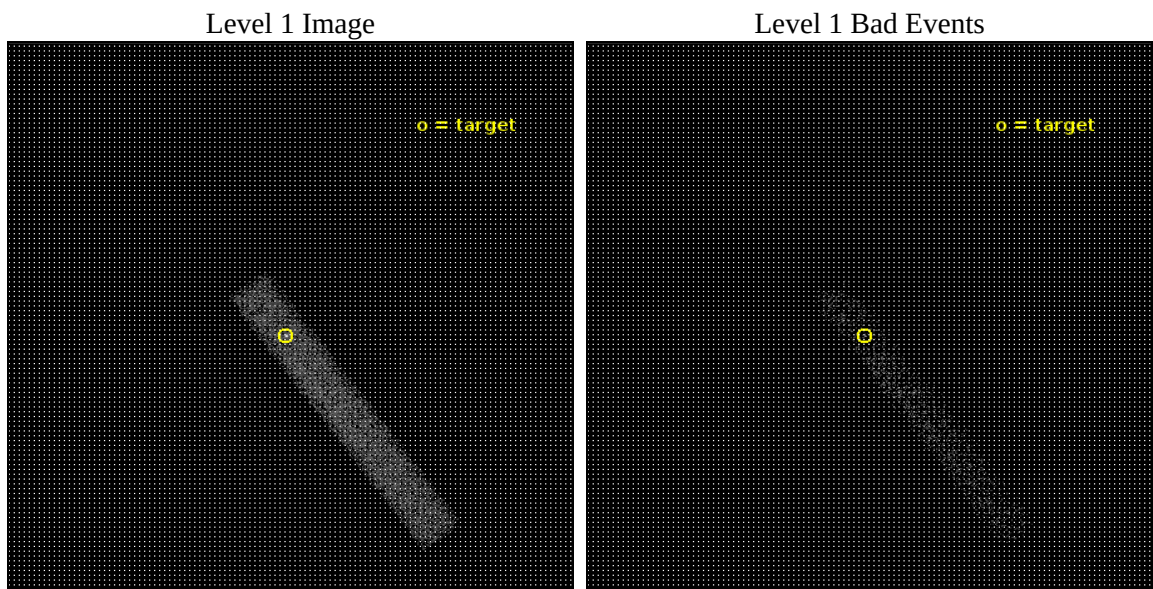
seq_num	704038	Sequence number
obs_id	23142	Observation id
title	C-BASS: A Chandra Legacy Survey of AGN at the Highest Spatial Resolutions	Proposal title
observer	Michael Koss	Principal investigator
object	SSTSL2J185600.55+153758.4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	284.002289	Observer's specified target RA [deg]
dec_targ	15.632901	Observer's specified target Dec [deg]
ra_nom	284.00063238989	Nominal RA [deg]
dec_nom	15.637257698887	Nominal Dec [deg]
roll_nom	53.399774390409	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10069.422952056	Sum of GTIs [s]
livetime	9132.4351097914	Livetime [s]
ontime7	10069.422952056	Sum of GTIs [s]
l2events	8598	Number of level 2 events



2 OBI

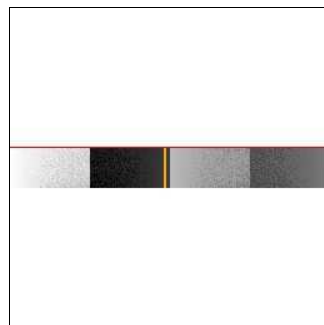
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.8.1	Processing system revision	ontime	10069.422952056	Sum of GTIs [s]
caldsver	4.8.4.2	 	ontime7	10069.422952056	Sum of GTIs [s]
date	2020-02-10T01:09:41	Date and time of file creation	l1events	15910	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

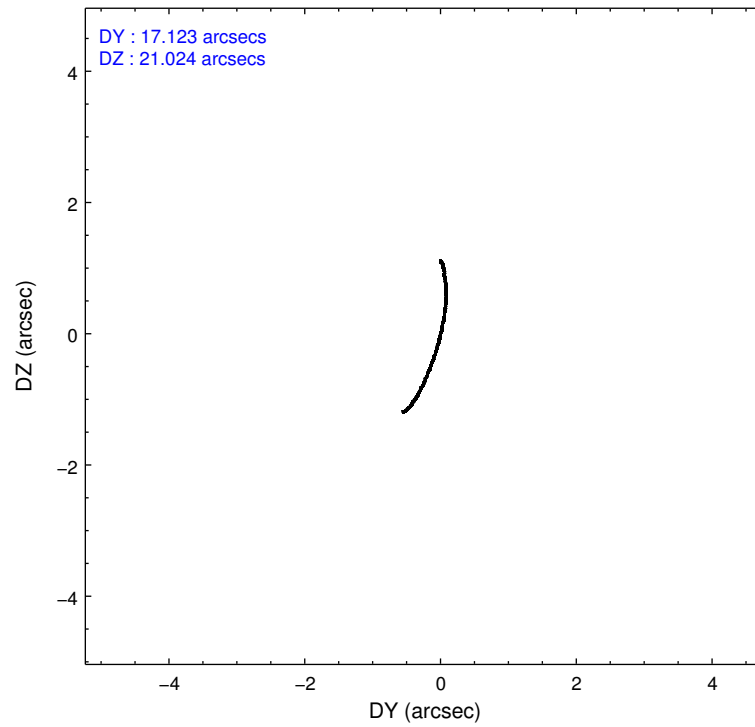
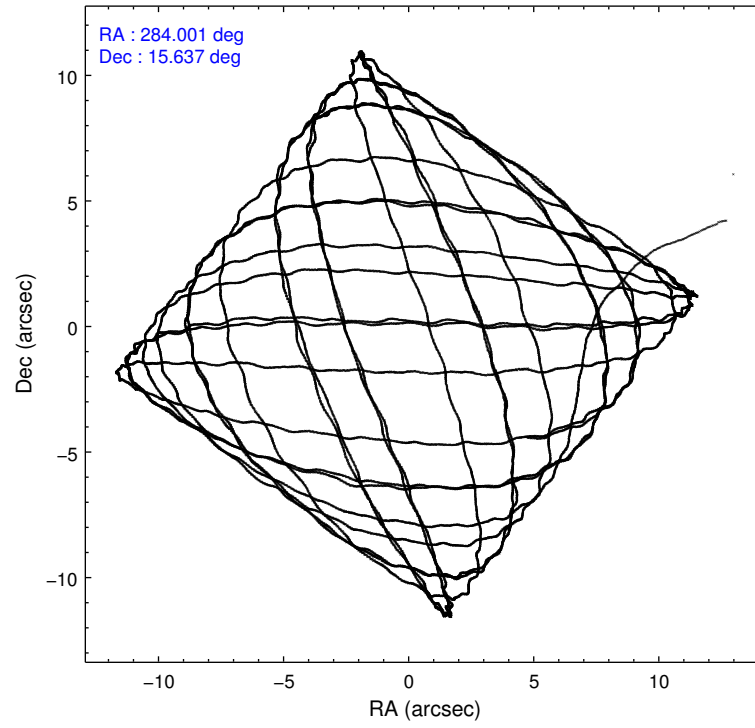
	ccd 7
level 1 events	15910
rejected events	6984
rejected %	43%

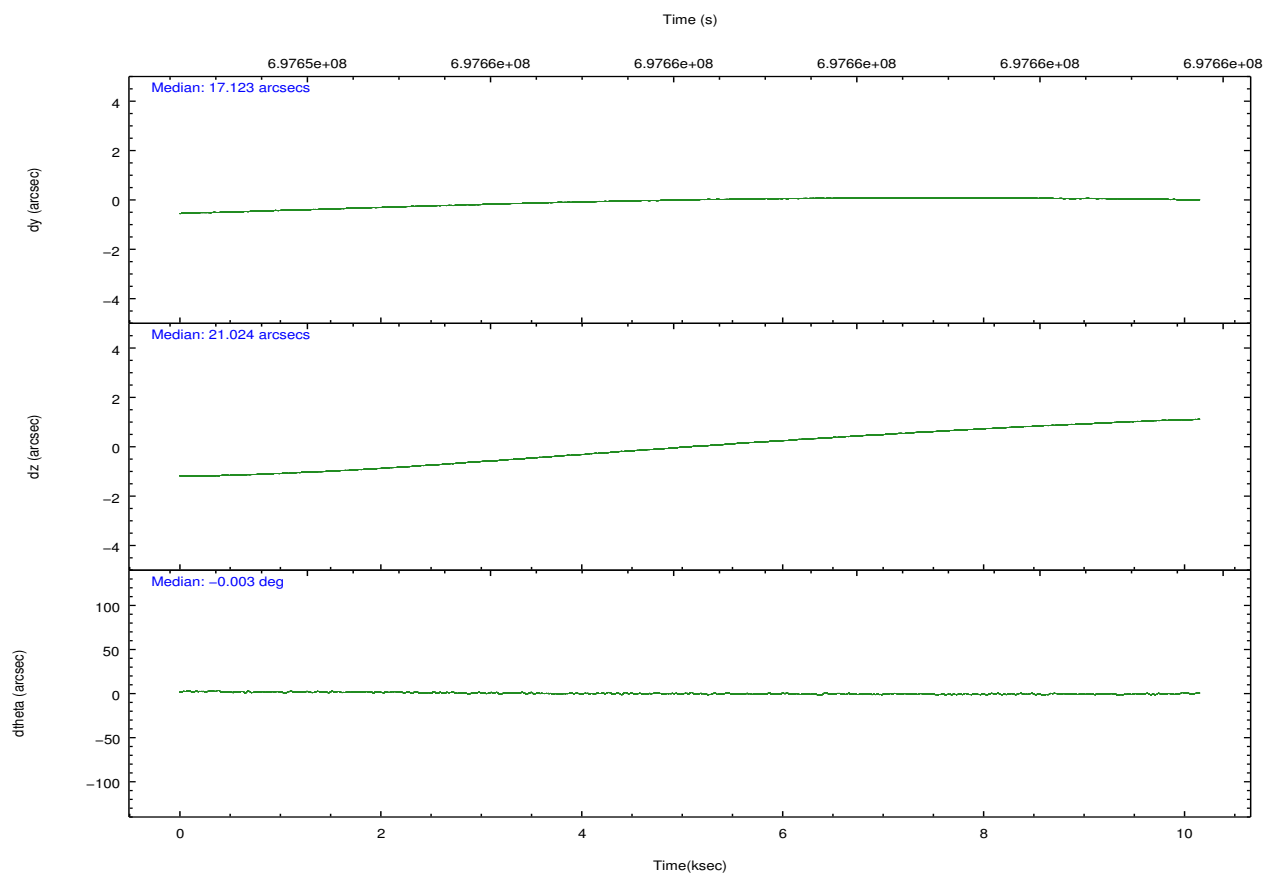
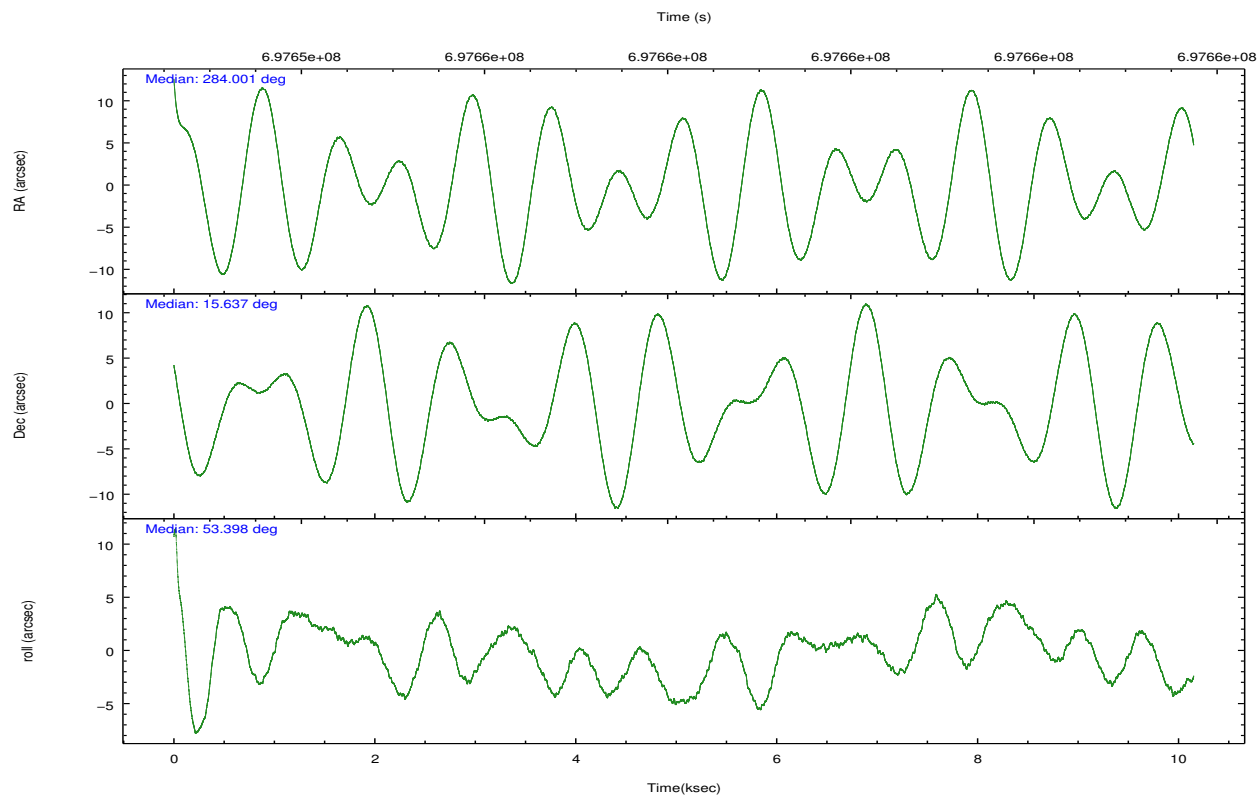
	ccd 7
grade 0 events	1132
	7%
grade 1 events	33
	0%
grade 2 events	1803
	11%
grade 3 events	1125
	7%
grade 4 events	1045
	6%
grade 5 events	1325
	8%
grade 6 events	3822
	24%
grade 7 events	5625
	35%

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	283.997684	284.0006323898934	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	15.609976	15.63725769888662	Subarray start row	449	449
[deg] Pointing Roll	53.243933	53.39977439040936	Subarray row count	128	128
[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	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	697653251.184000	697652029.21292			
Observation start date	2020-02-09T16:33:02	2020-02-09T16:13:49			
[s] Observation end time (MET)	697663251.184000	697664229.78866			
Observation end date	2020-02-09T19:19:42	2020-02-09T19:37:09			
Read mode	TIMED	TIMED			

2.3 Aspect



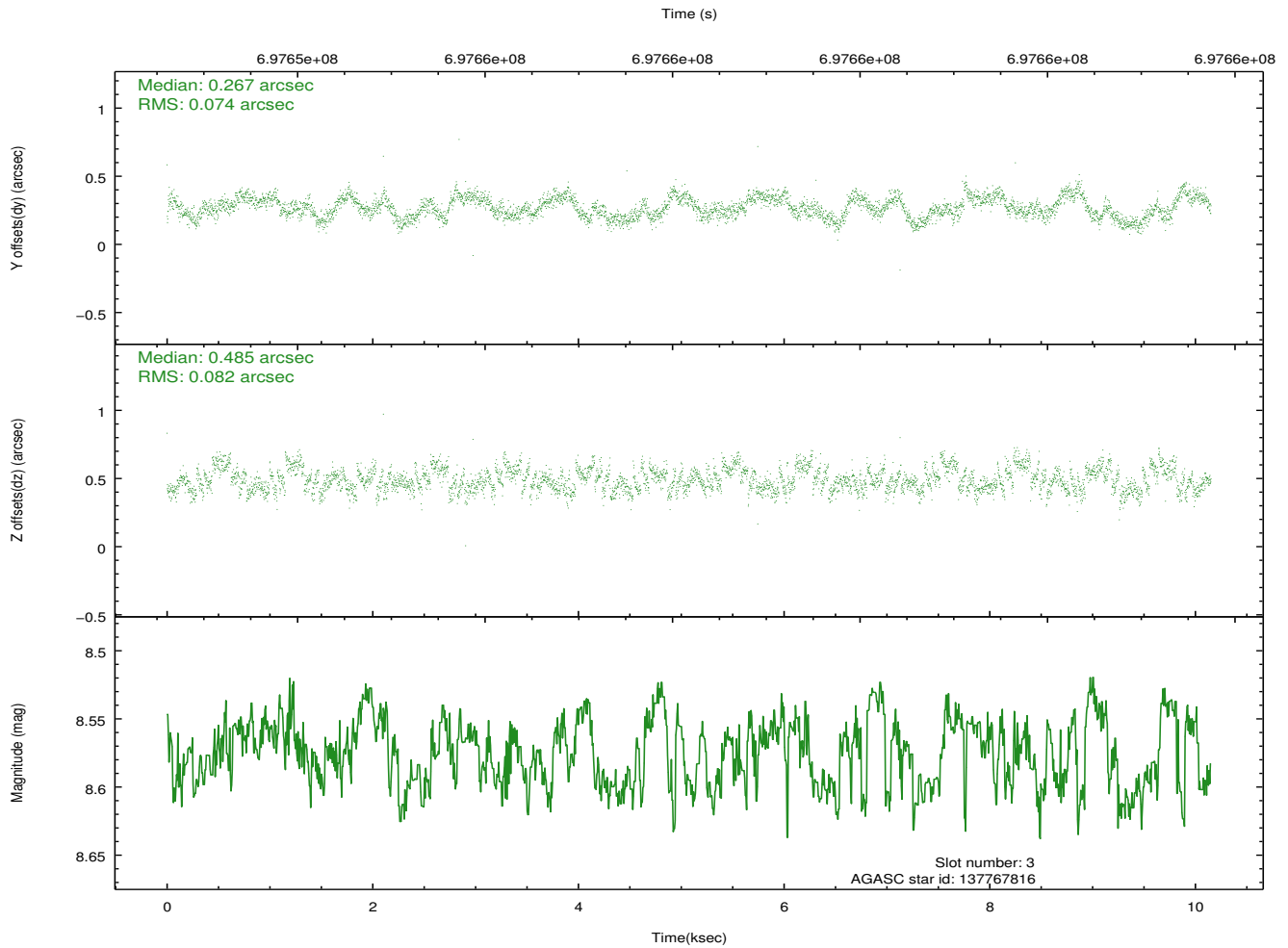
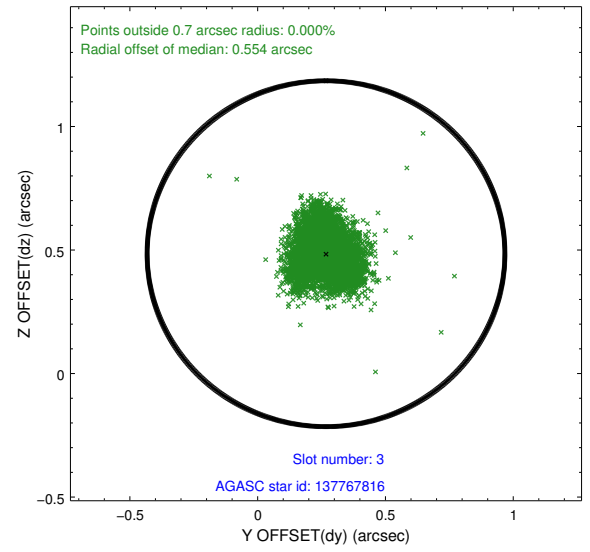
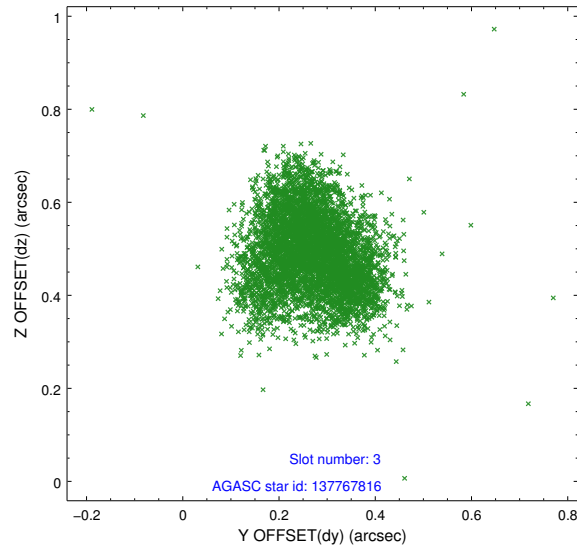


Slot Statistics

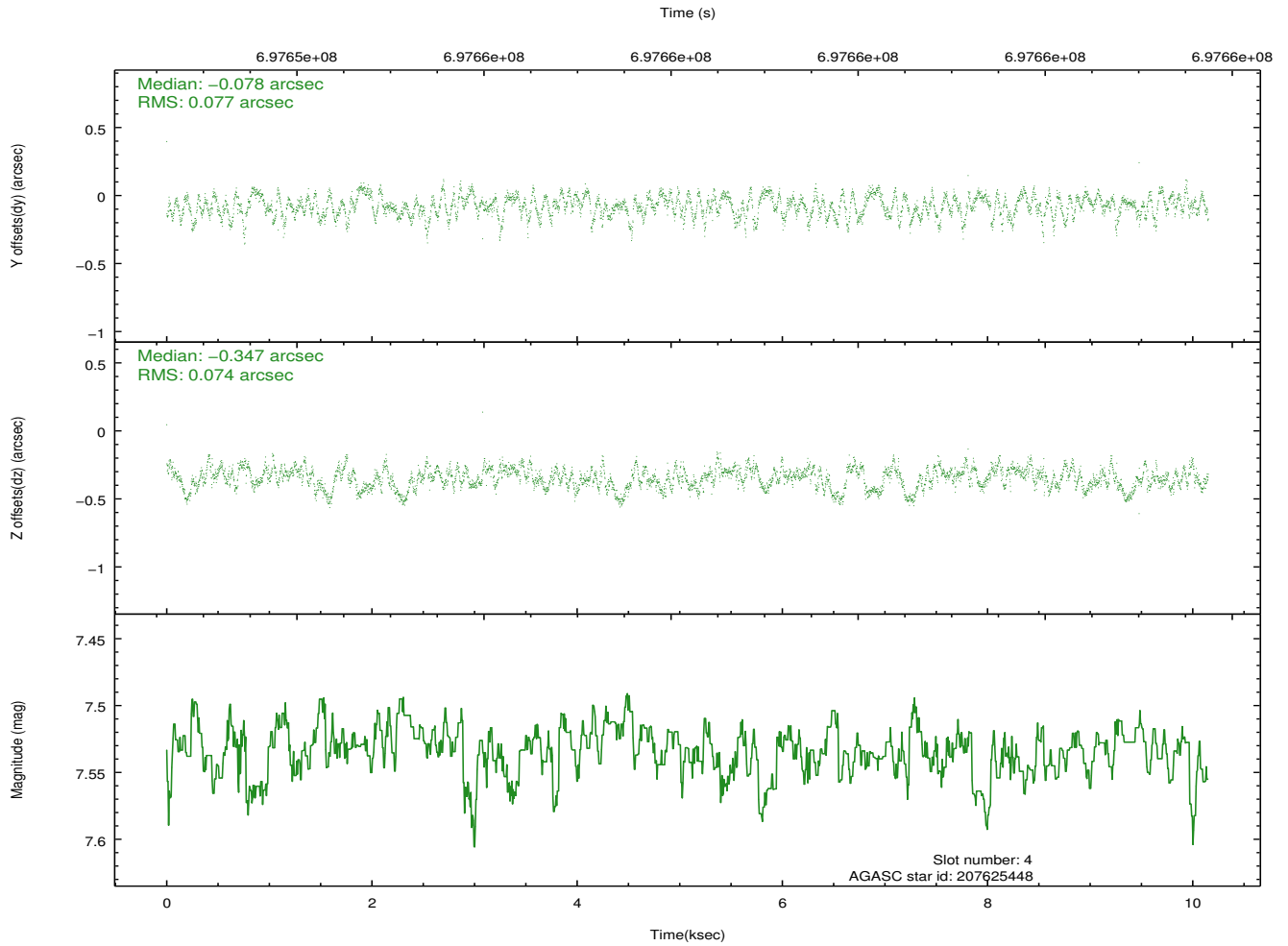
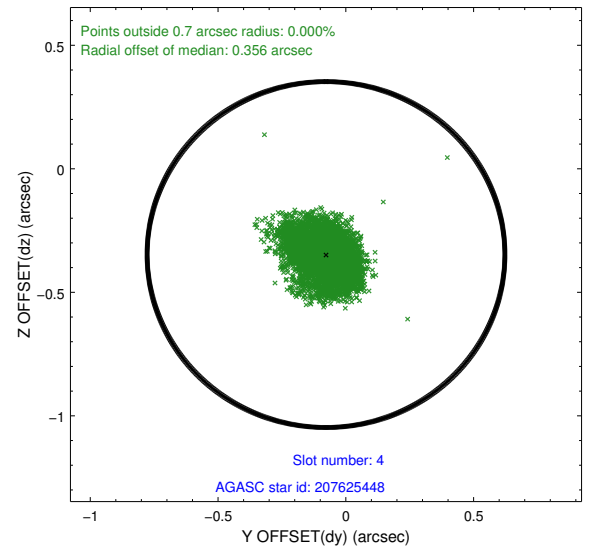
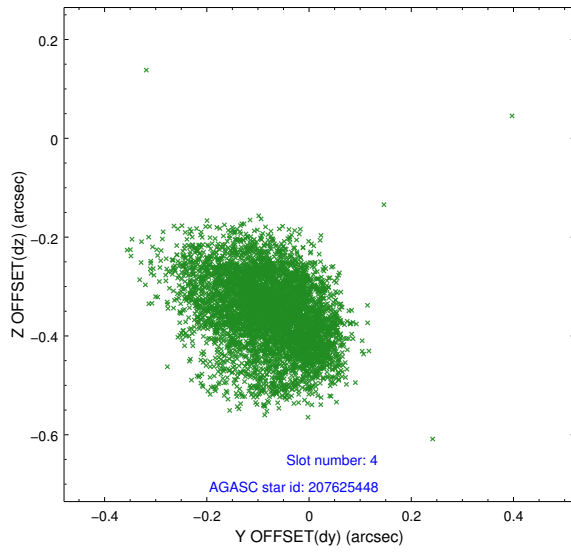
id	status	used	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		ACIS-S-1	7.27	2476	1.000	0.095	-0.066	0.025	0.054	0.000000	0.000000	926.01 -1738
1	FID		ACIS-S-2	7.18	2476	1.000	-0.601	-0.295	0.014	0.024	0.000000	0.000000	-770.30 -1743
2	FID		ACIS-S-4	7.30	2476	1.000	0.481	0.366	0.015	0.032	0.000000	0.000000	2143.47 165
3	GUIDE	used	137767816	8.58	4945	1.000	0.267	0.485	0.120	0.181	284.357750	14.929964	-1209.97 -2465
4	GUIDE	used	207625448	7.53	4952	1.000	-0.078	-0.347	0.115	0.179	283.701080	15.342676	-1386.18 250
5	GUIDE	used	207753336	8.45	4950	1.000	0.145	0.120	0.124	0.207	284.519784	15.222033	-31.05 -2285
6	GUIDE	used	207762072	7.79	4951	1.000	0.070	-0.048	0.116	0.193	284.024181	15.365658	-649.34 -598
7	GUIDE	used	207767472	7.77	4951	1.000	-0.393	-0.221	0.101	0.162	284.609127	15.590517	1215.52 -1737

2.4 Star Slots

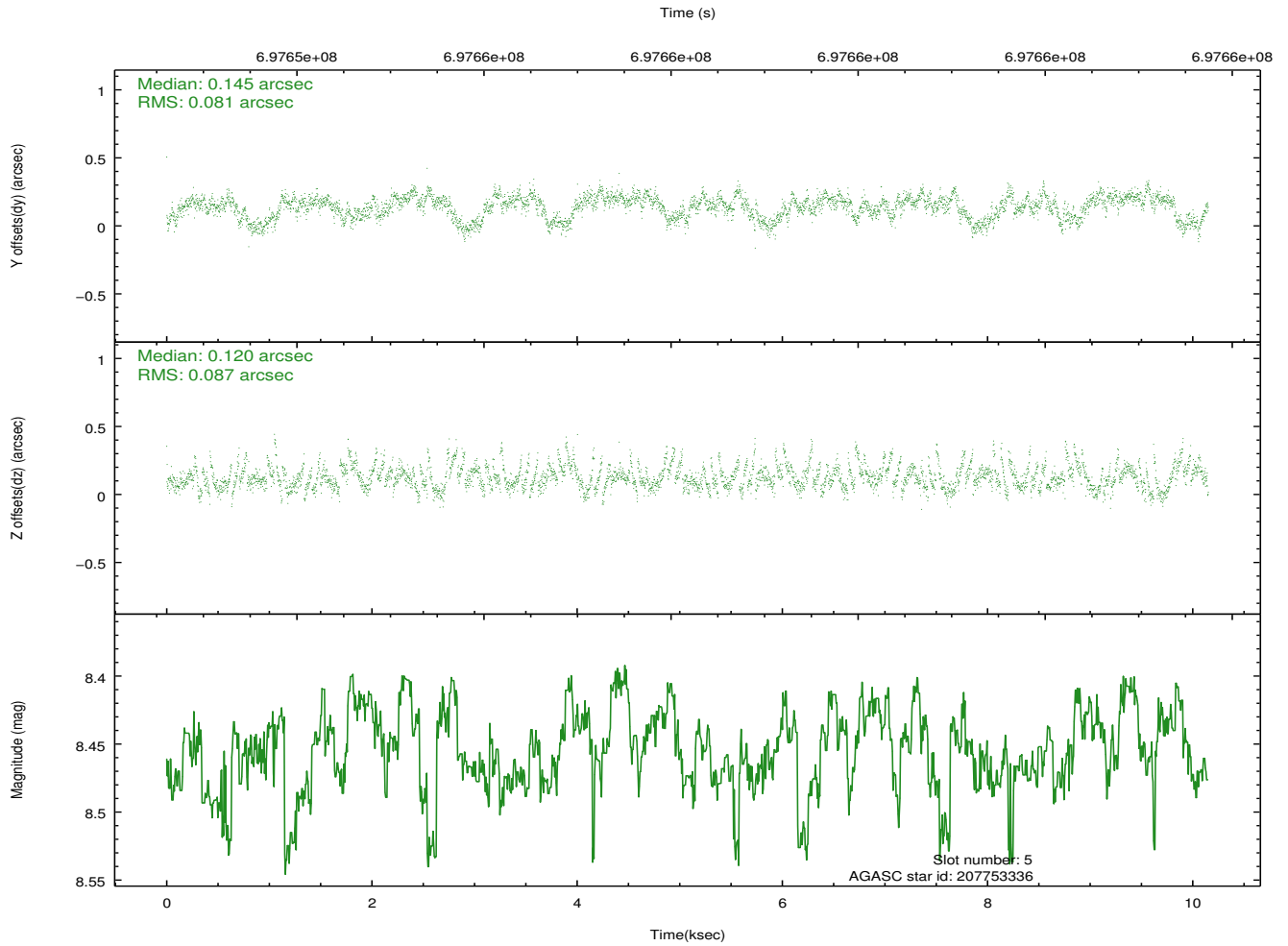
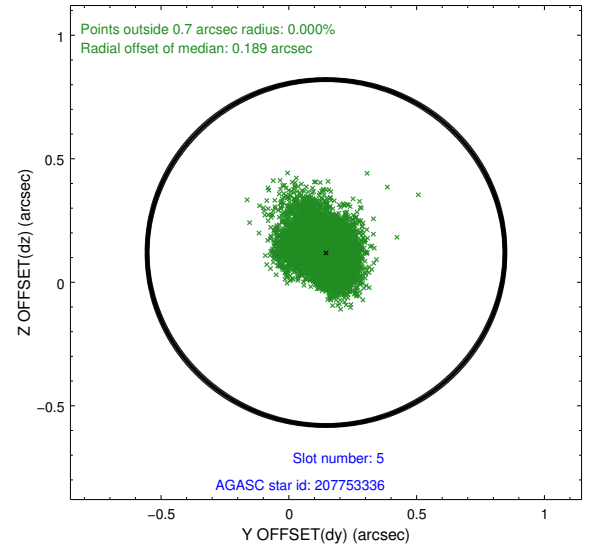
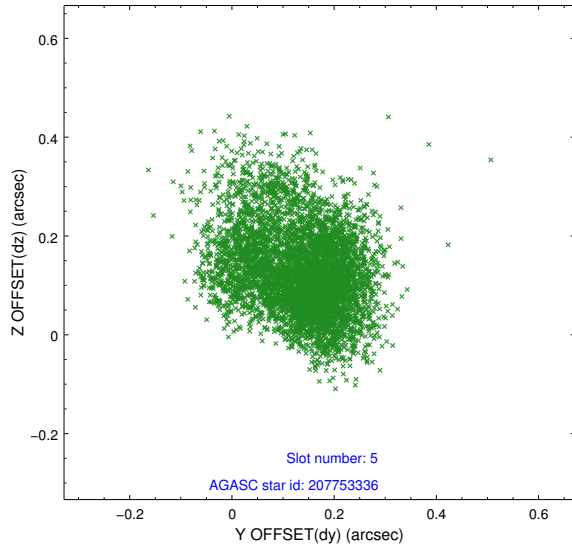
2.4.1 Slot 3



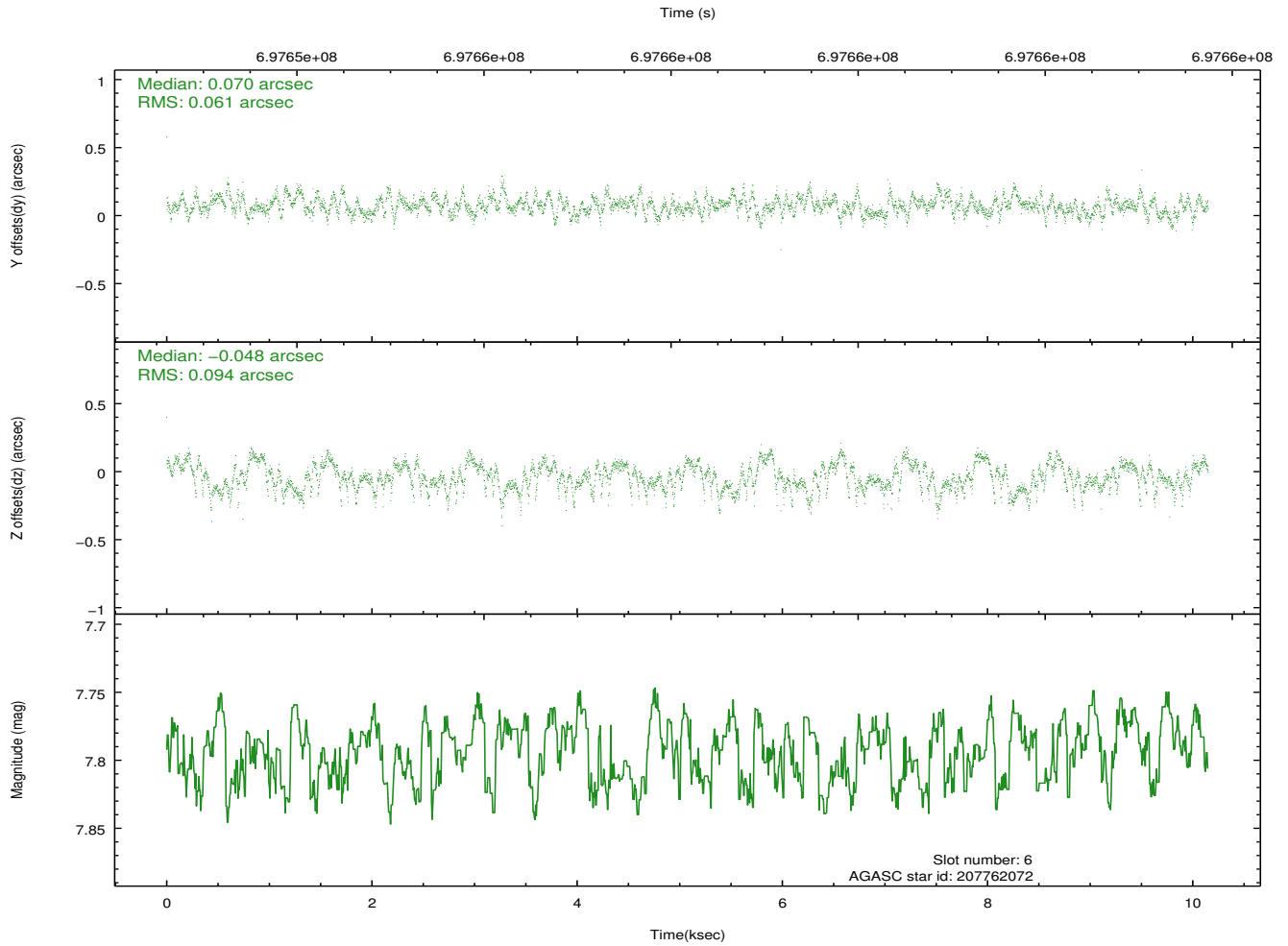
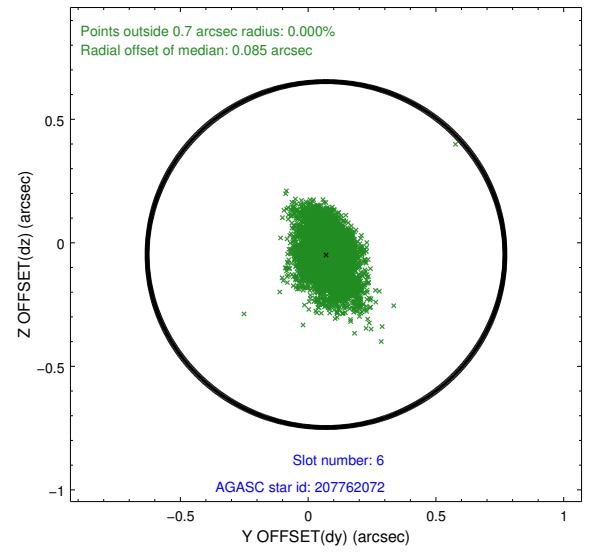
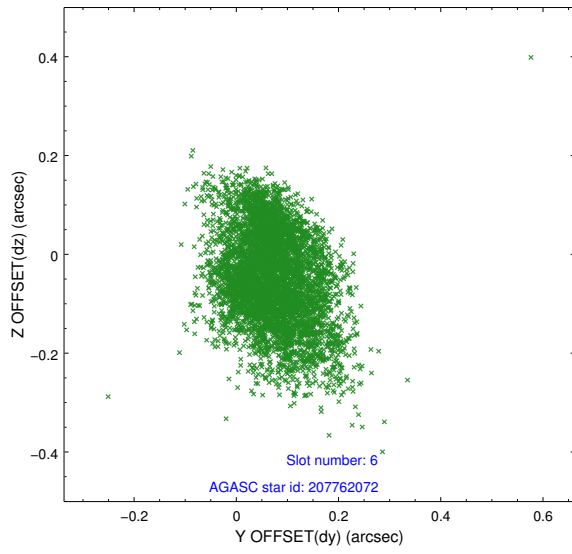
2.4.2 Slot 4



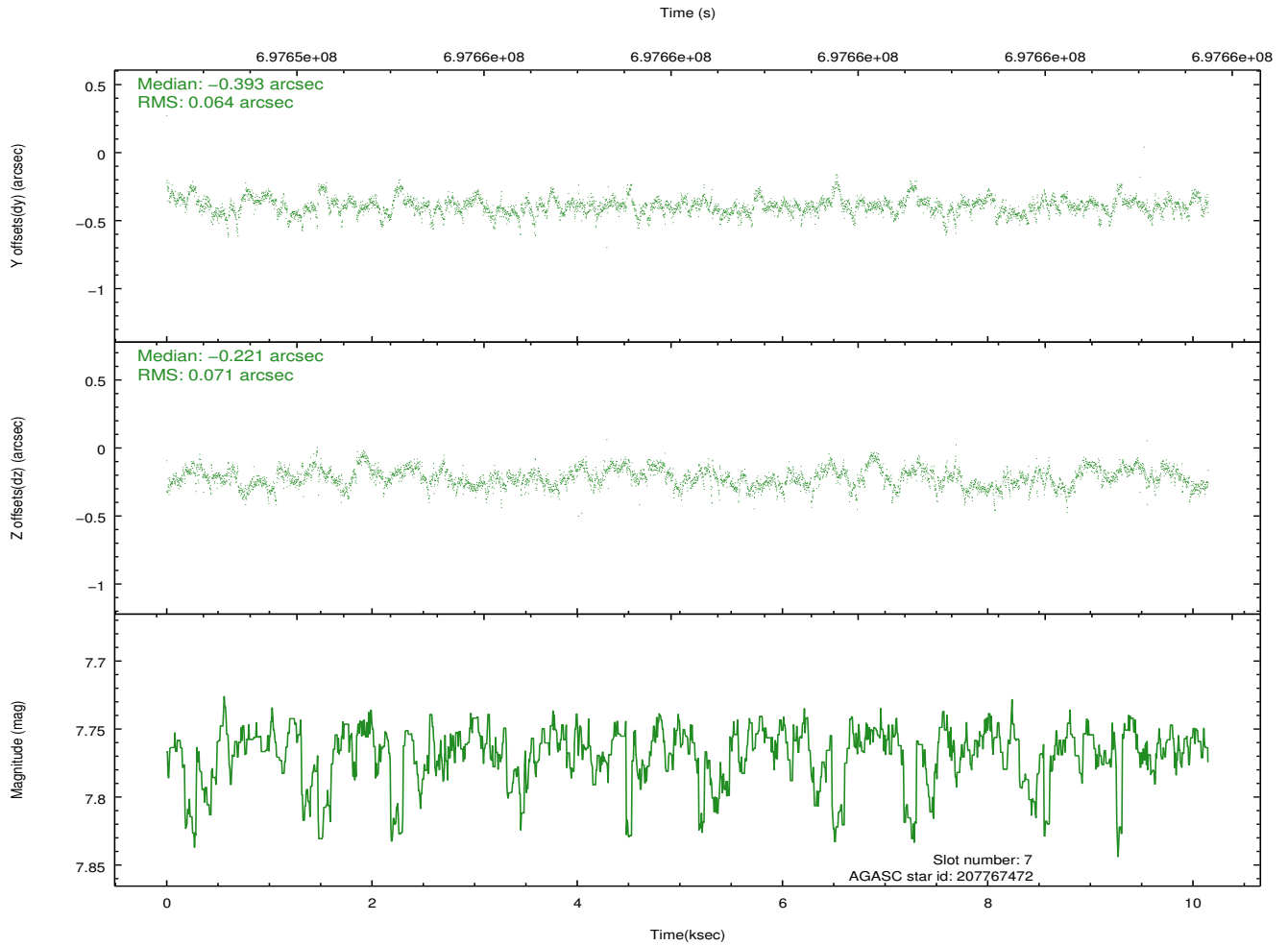
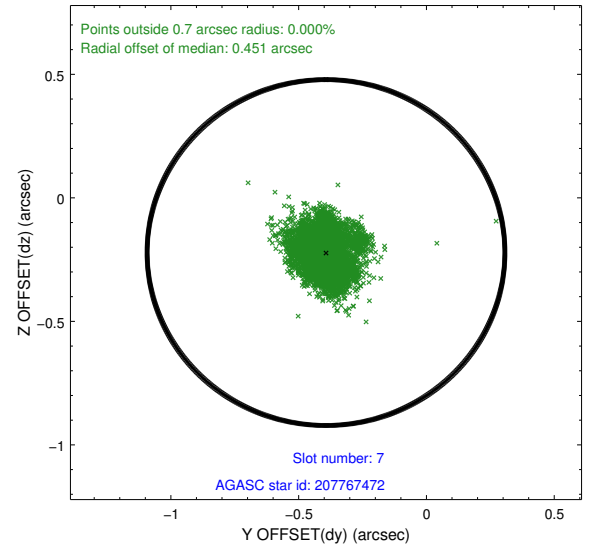
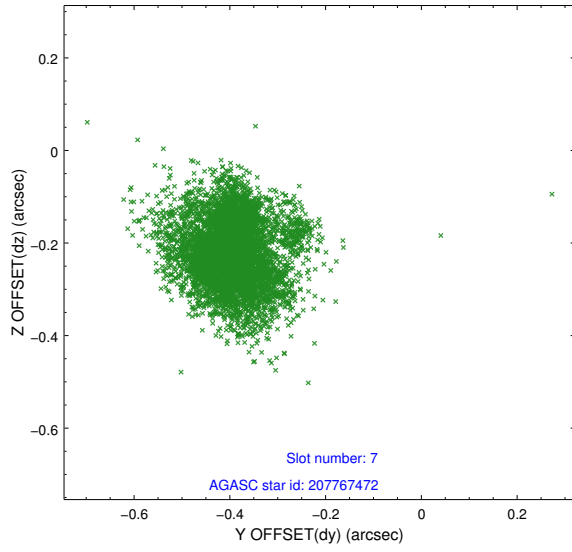
2.4.3 Slot 5



2.4.4 Slot 6

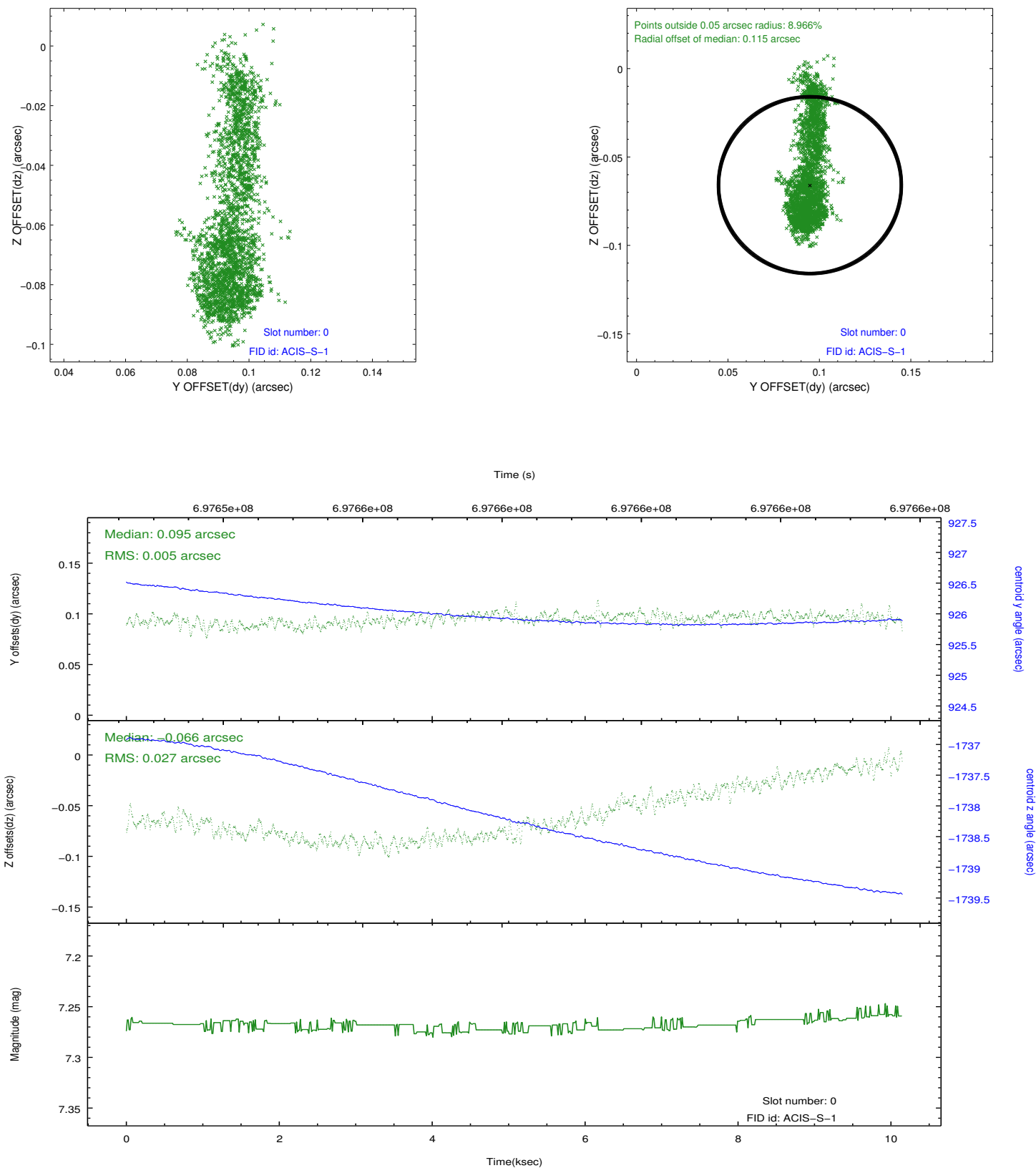


2.4.5 Slot 7

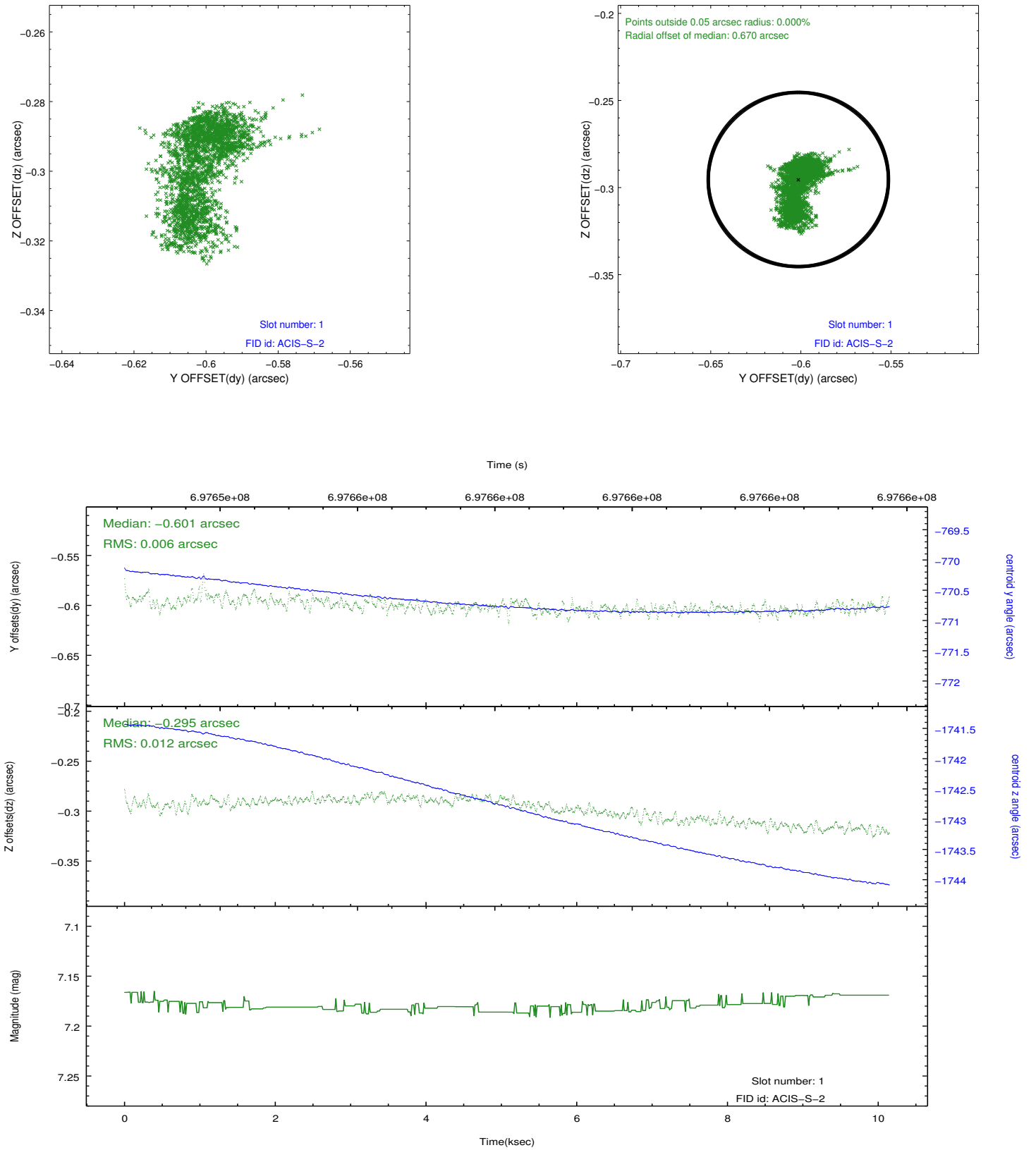


2.5 FID Slots

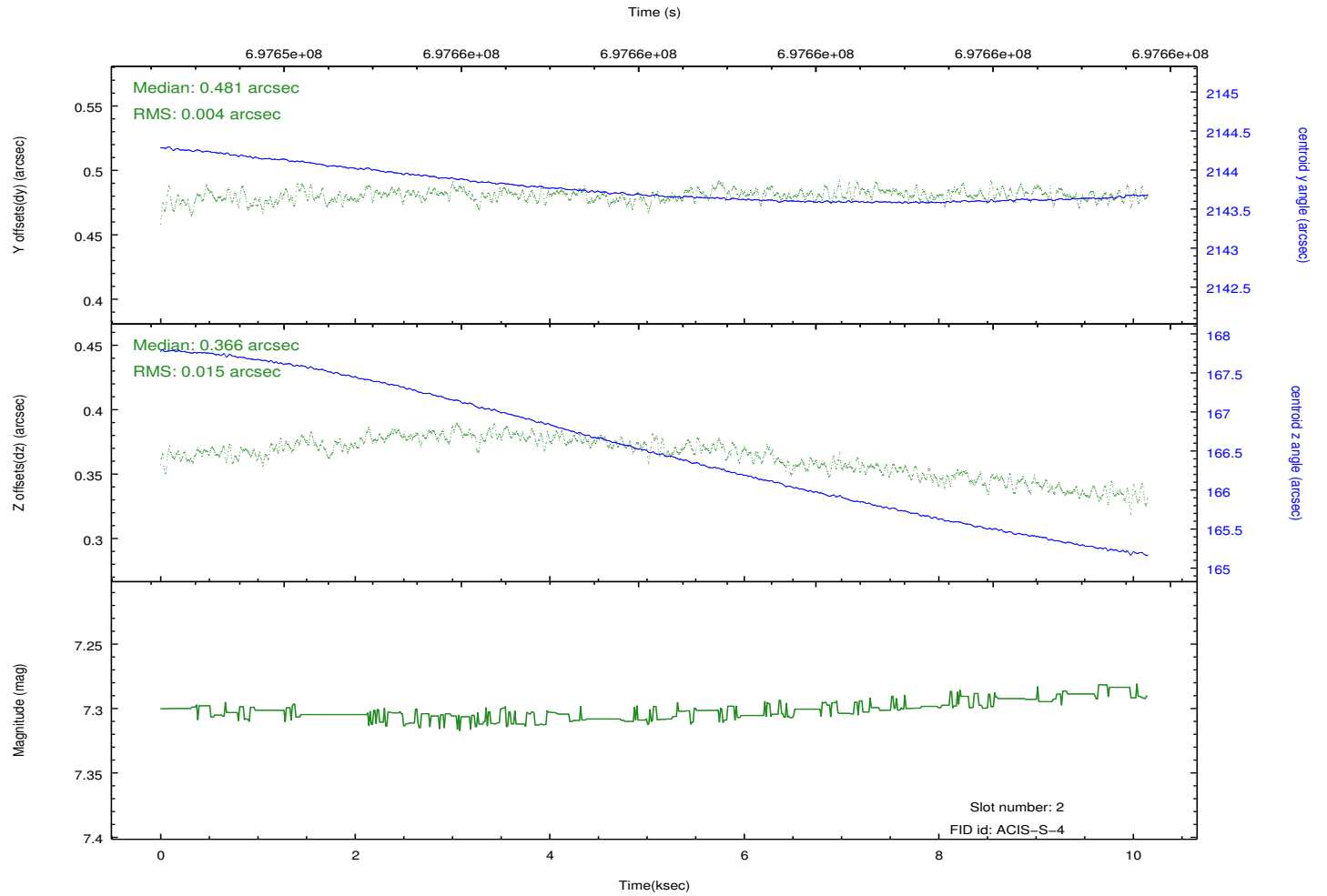
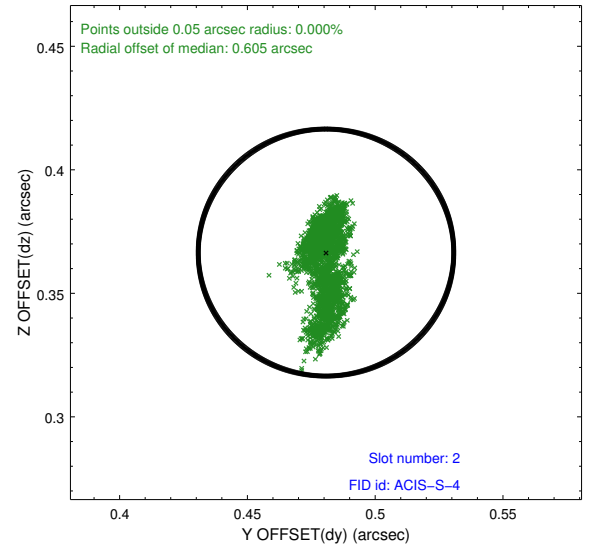
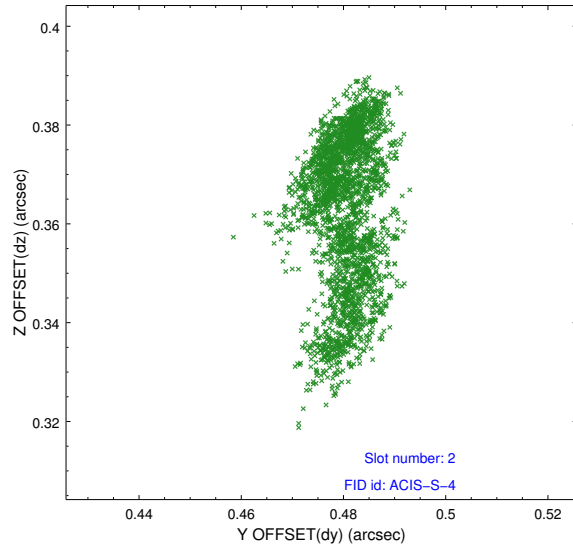
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2020.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.069422952056

A.2 Comments