

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 22036 - L2 Version 1
Chandra X-Ray Center

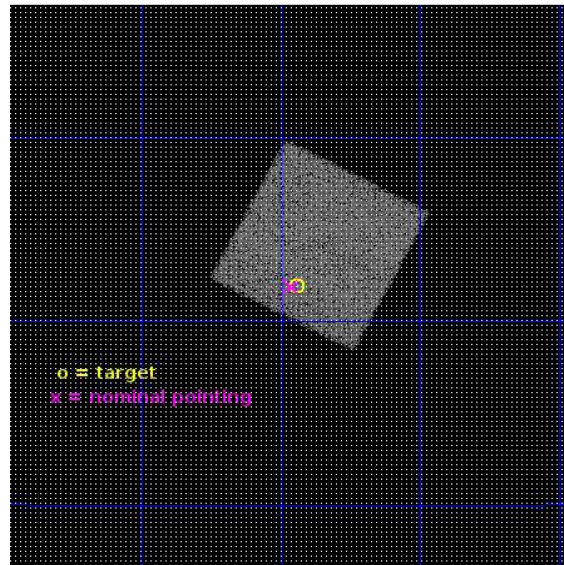
L2 Processing Date : Jan 4 2019

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1 Front

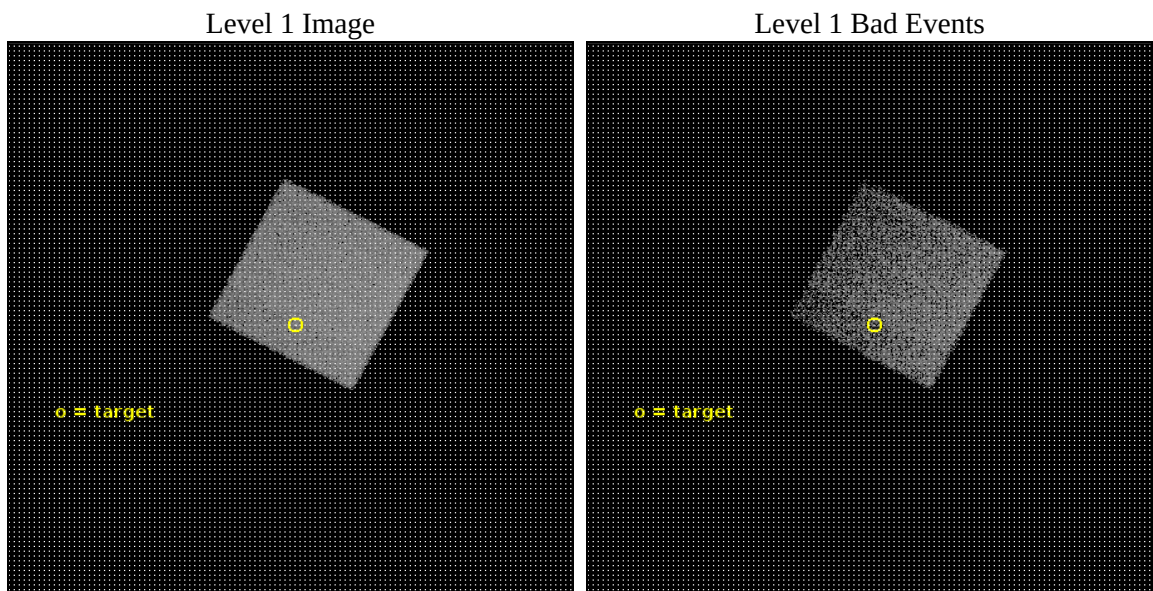
seq_num	703842	Sequence number
obs_id	22036	Observation id
title	C-BASS: A Chandra Legacy Survey of AGN at the Highest Spatial Resolutions	Proposal title
observer	Michael Koss	Principal investigator
object	PKS0528+134	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	82.735046	Observer's specified target RA [deg]
dec_targ	13.532022	Observer's specified target Dec [deg]
ra_nom	82.740143916414	Nominal RA [deg]
dec_nom	13.531314800677	Nominal Dec [deg]
roll_nom	297.70921029249	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10091.387289047	Sum of GTIs [s]
livetime	9955.2001509818	Livetime [s]
ontime7	10091.387289047	Sum of GTIs [s]
l2events	42146	Number of level 2 events



2 OBI

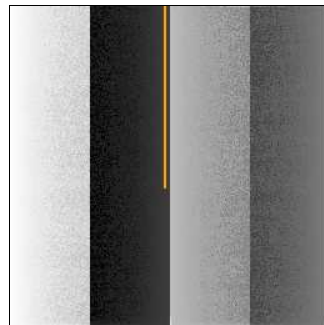
2.1 OBI

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	10.7.1	Processing system revision	ontime	10091.387289047	Sum of GTIs [s]
caldsver	4.8.2	 	ontime7	10091.387289047	Sum of GTIs [s]
date	2019-01-04T15:29:02	Date and time of file creation	l1events	97905	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

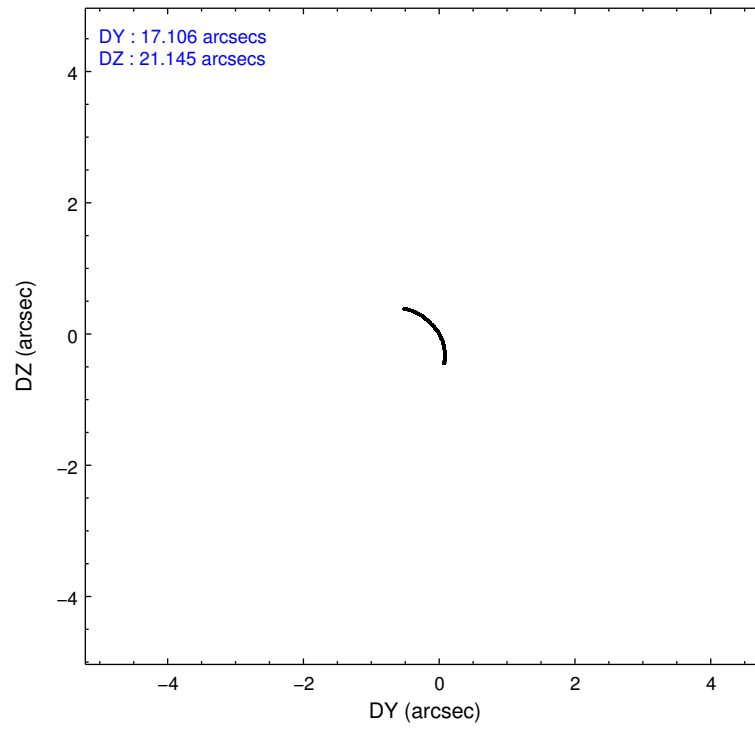
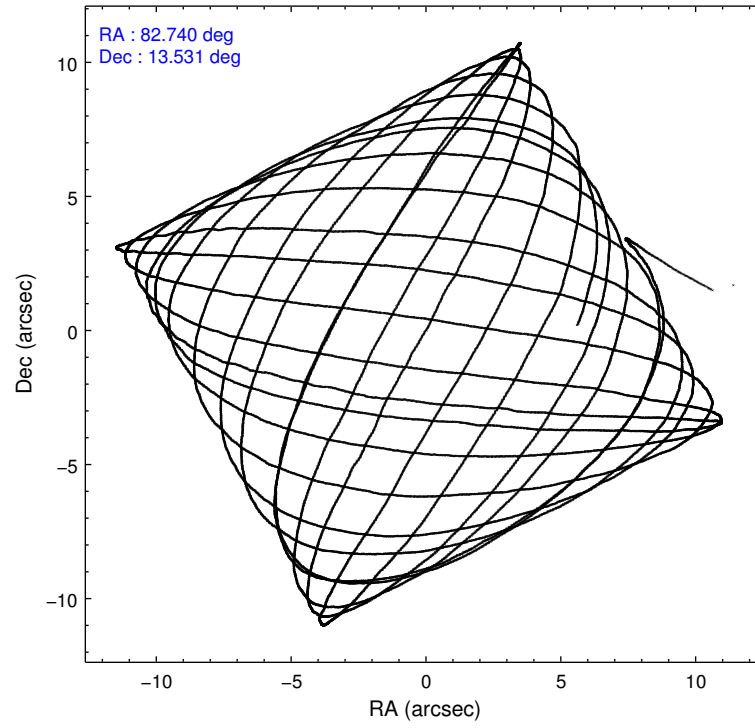
	ccd 7
level 1 events	97905
rejected events	54733
rejected %	55%

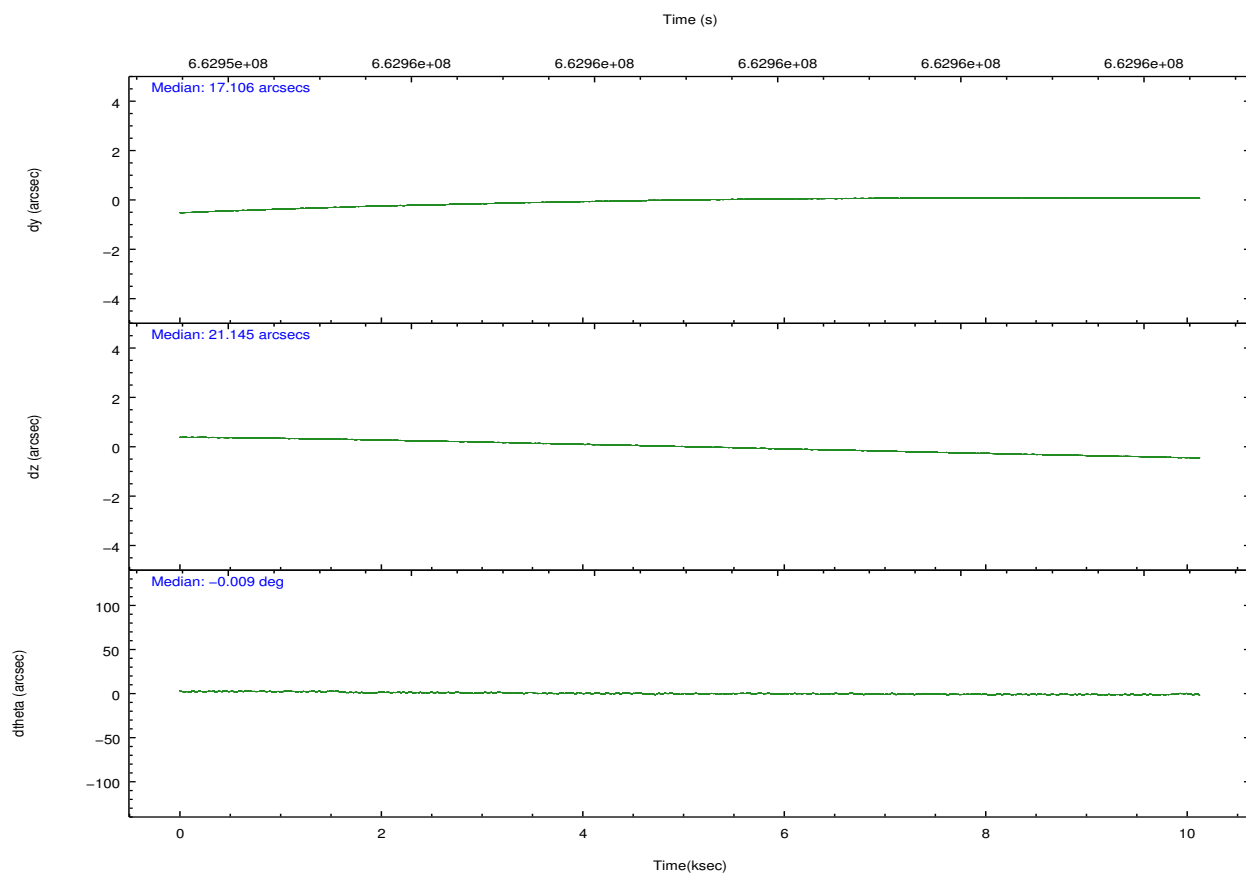
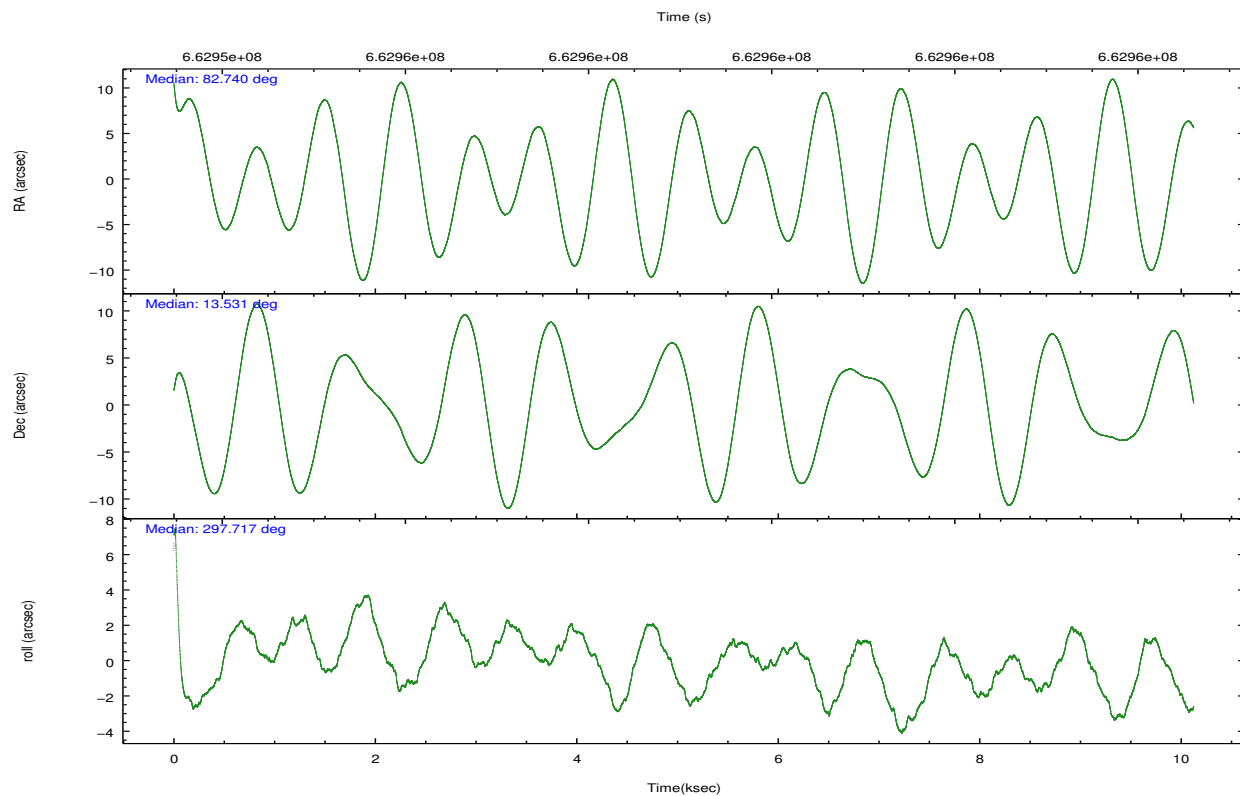
	ccd 7
grade 0 events	3727
	3%
grade 1 events	139
	0%
grade 2 events	9354
	9%
grade 3 events	3426
	3%
grade 4 events	3395
	3%
grade 5 events	9537
	9%
grade 6 events	23298
	23%
grade 7 events	45029
	45%

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	82.716025	82.74014391641366	Subarray requested	NONE	NONE
[deg] Pointing Dec	13.545647	13.53131480067653	Alternating exposures requested	N	N
[deg] Pointing Roll	297.558214	297.7092102924937	[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)	662954109.184000	662952809.75296			
Observation start date	2019-01-04T01:54:00	2019-01-04T01:33:29			
[s] Observation end time (MET)	662964109.184000	662965346.01621			
Observation end date	2019-01-04T04:40:40	2019-01-04T05:02:26			
Read mode	TIMED	TIMED			

2.3 Aspect



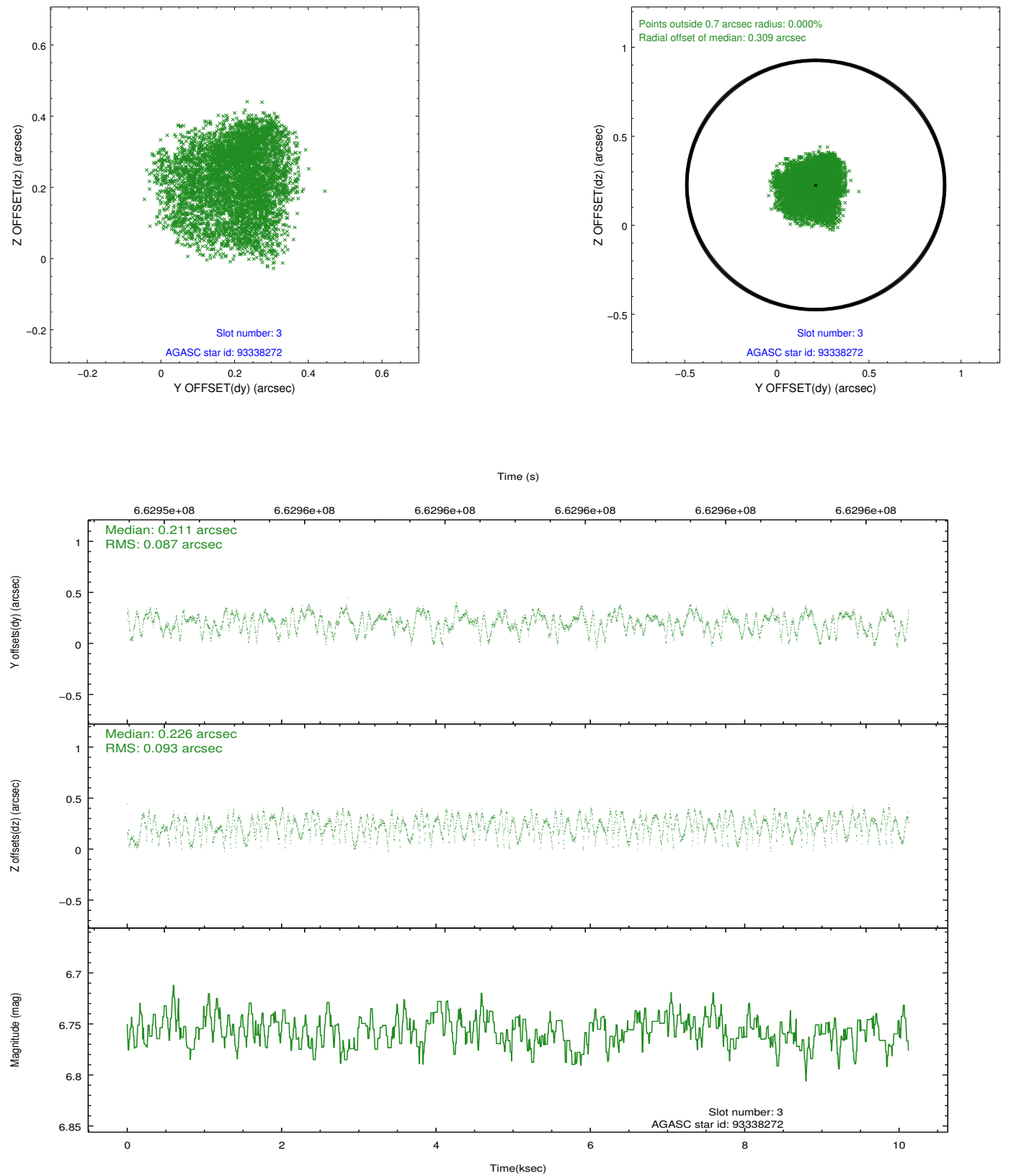


Slot Statistics

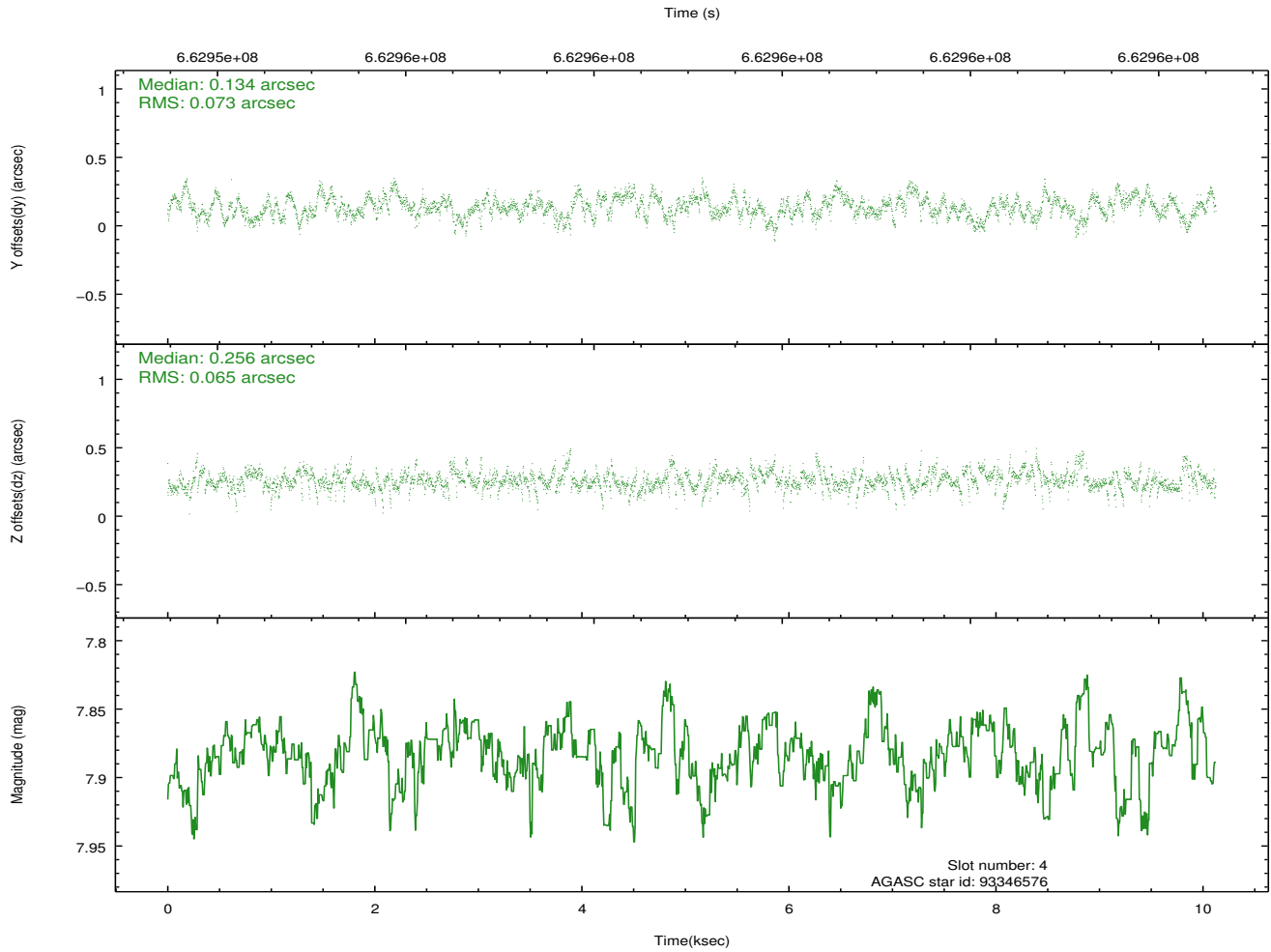
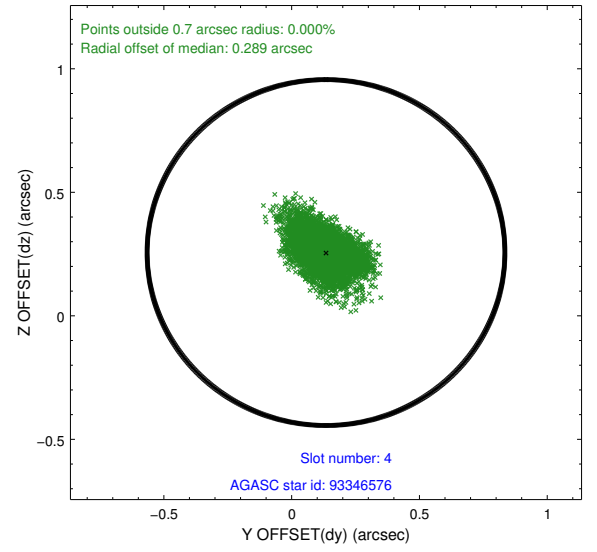
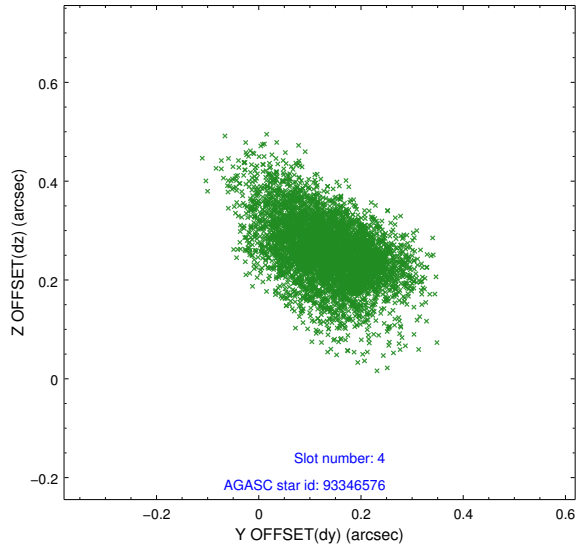
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.14	2470	1.000	0.201	-0.140	0.017	0.025	0.000000	0.000000	926.29	-1738
1	FID		ACIS-S-5	7.15	2470	1.000	-0.504	0.064	0.014	0.023	0.000000	0.000000	-1823.23	158
2	FID		ACIS-S-6	7.32	2469	1.000	0.281	0.088	0.017	0.025	0.000000	0.000000	391.20	803
3	GUIDE	used	93338272	6.76	4940	1.000	0.211	0.226	0.141	0.208	82.144893	13.678985	-1350.98	-1546
4	GUIDE	used	93346576	7.88	4940	1.000	0.134	0.256	0.100	0.176	82.248597	13.148507	508.75	-2113
5	GUIDE	used	93460040	8.37	4939	1.000	0.253	0.042	0.109	0.173	82.363612	13.427556	-194.03	-1290
6	GUIDE	used	93461816	9.25	4930	1.000	0.191	0.074	0.186	0.279	82.450293	13.582589	-547.88	-762
7	GUIDE	used	92930416	6.32	4939	1.000	-0.765	-0.591	0.067	0.112	83.226969	13.051913	2403.18	766

2.4 Star Slots

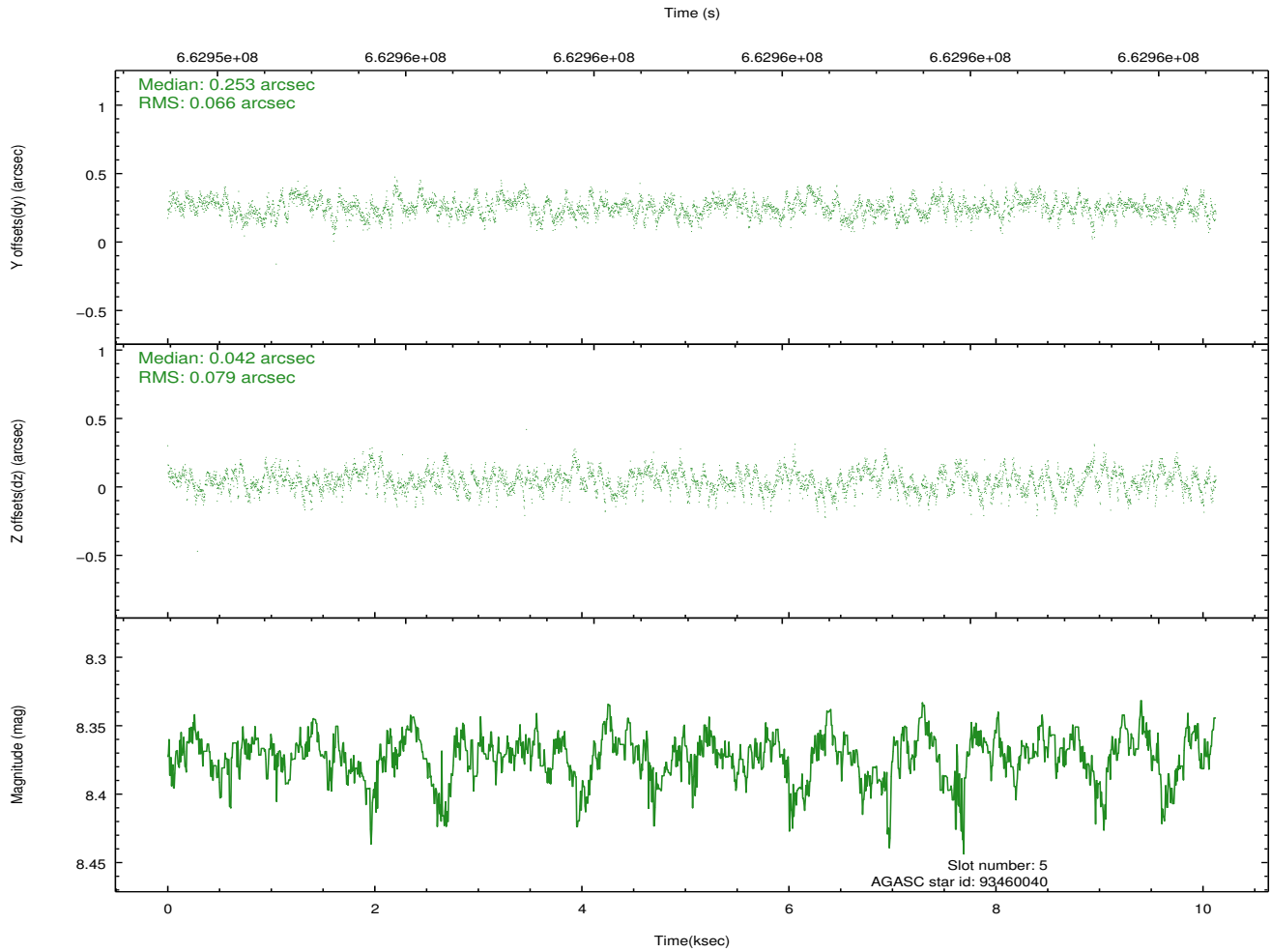
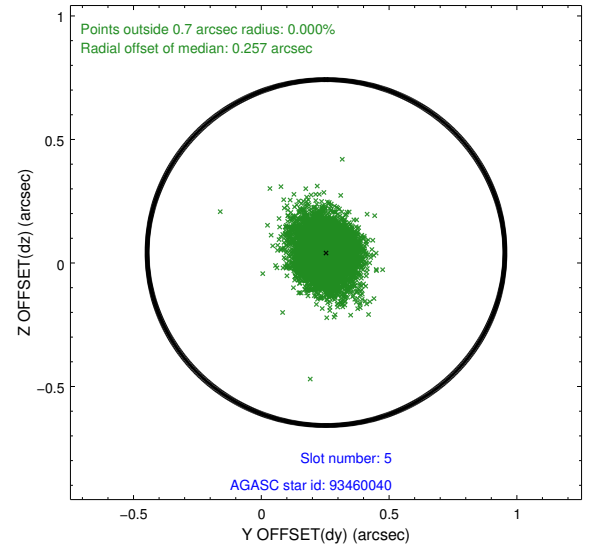
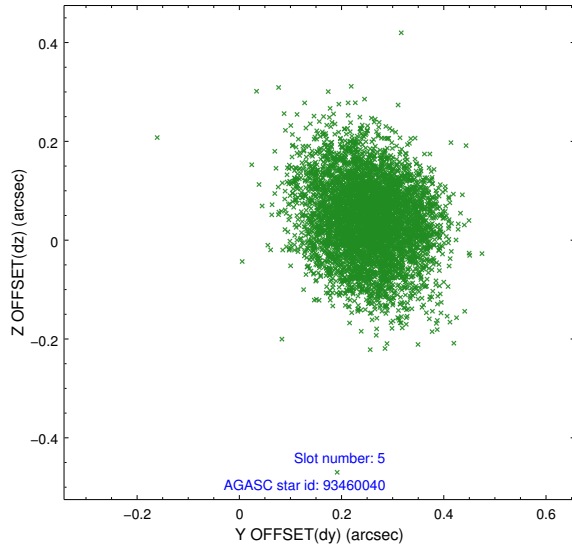
2.4.1 Slot 3



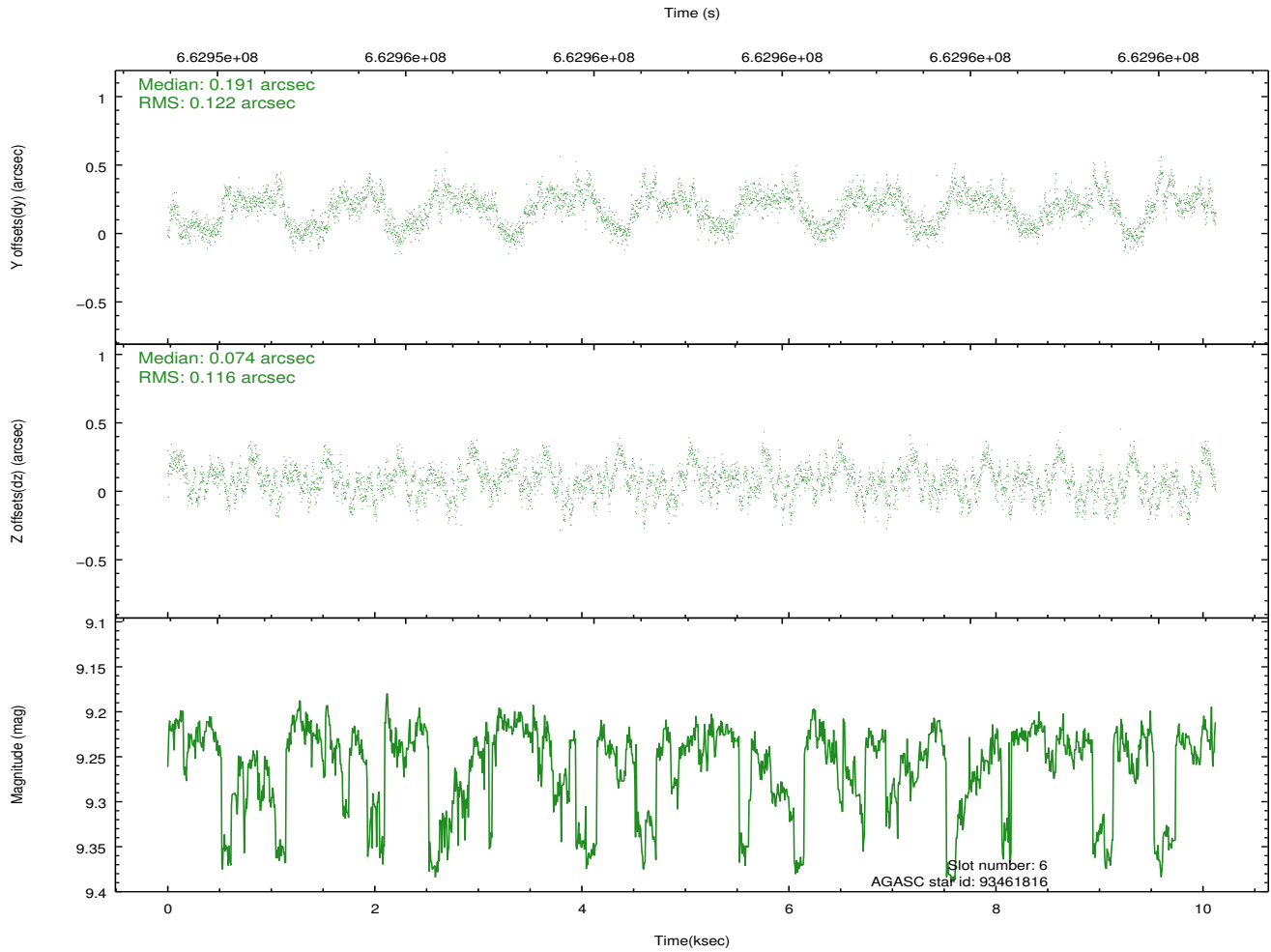
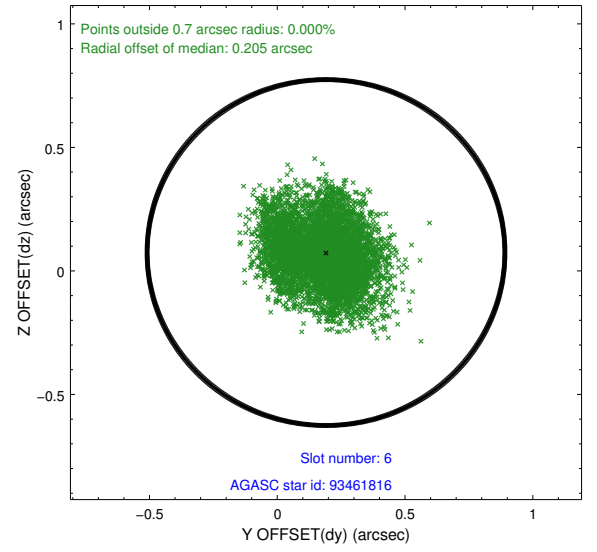
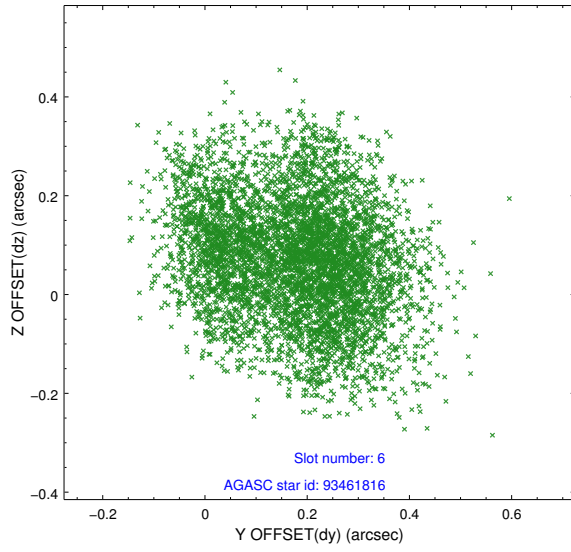
2.4.2 Slot 4



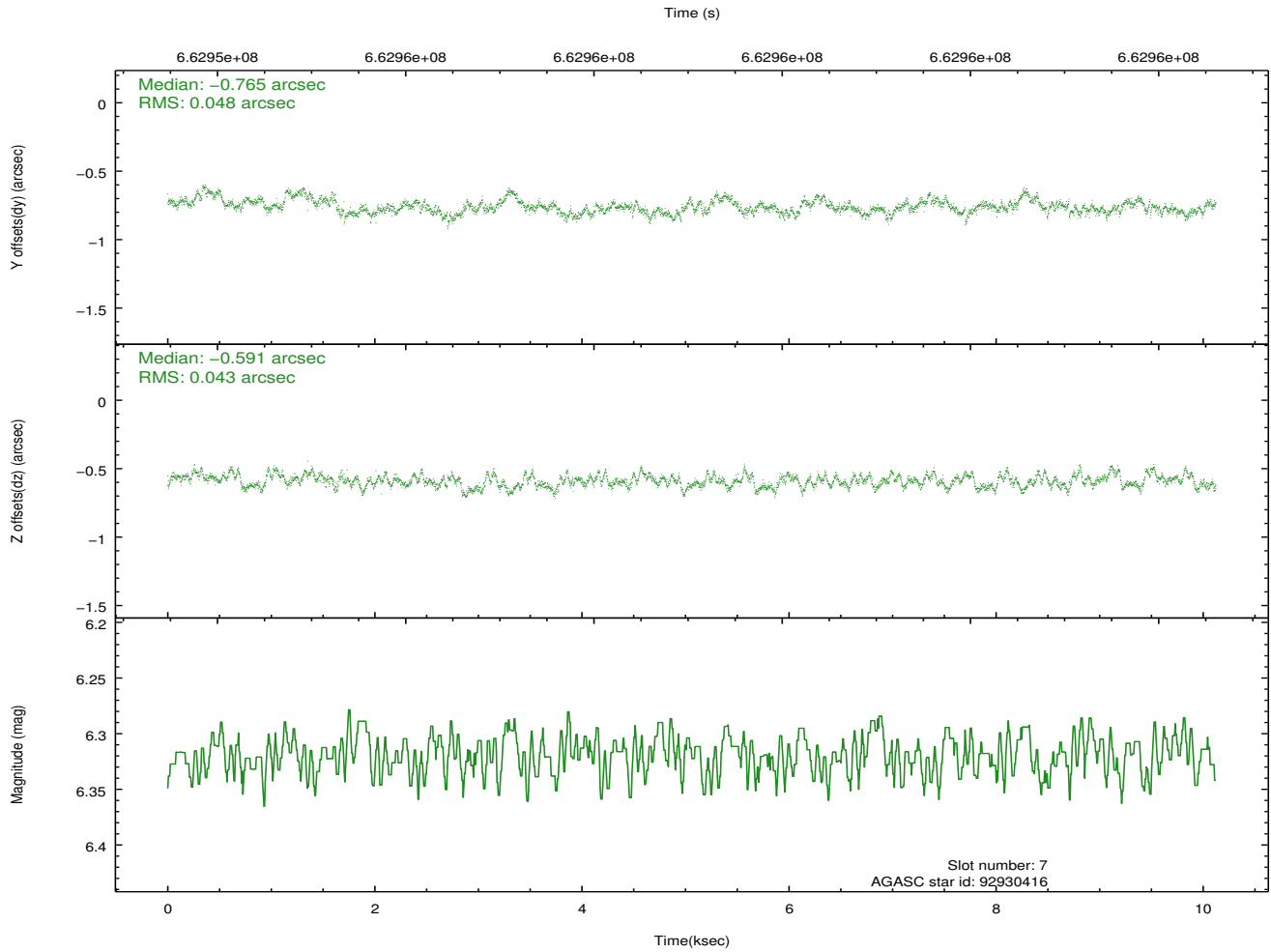
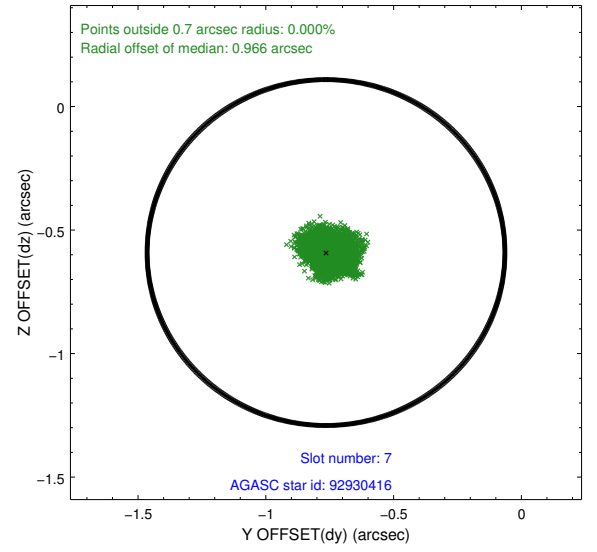
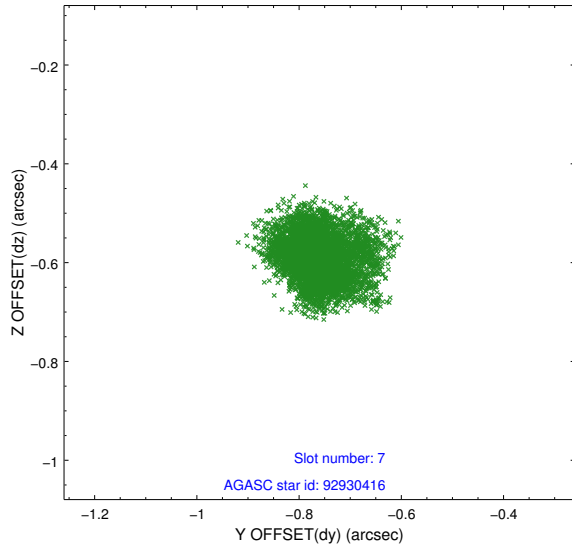
2.4.3 Slot 5



2.4.4 Slot 6

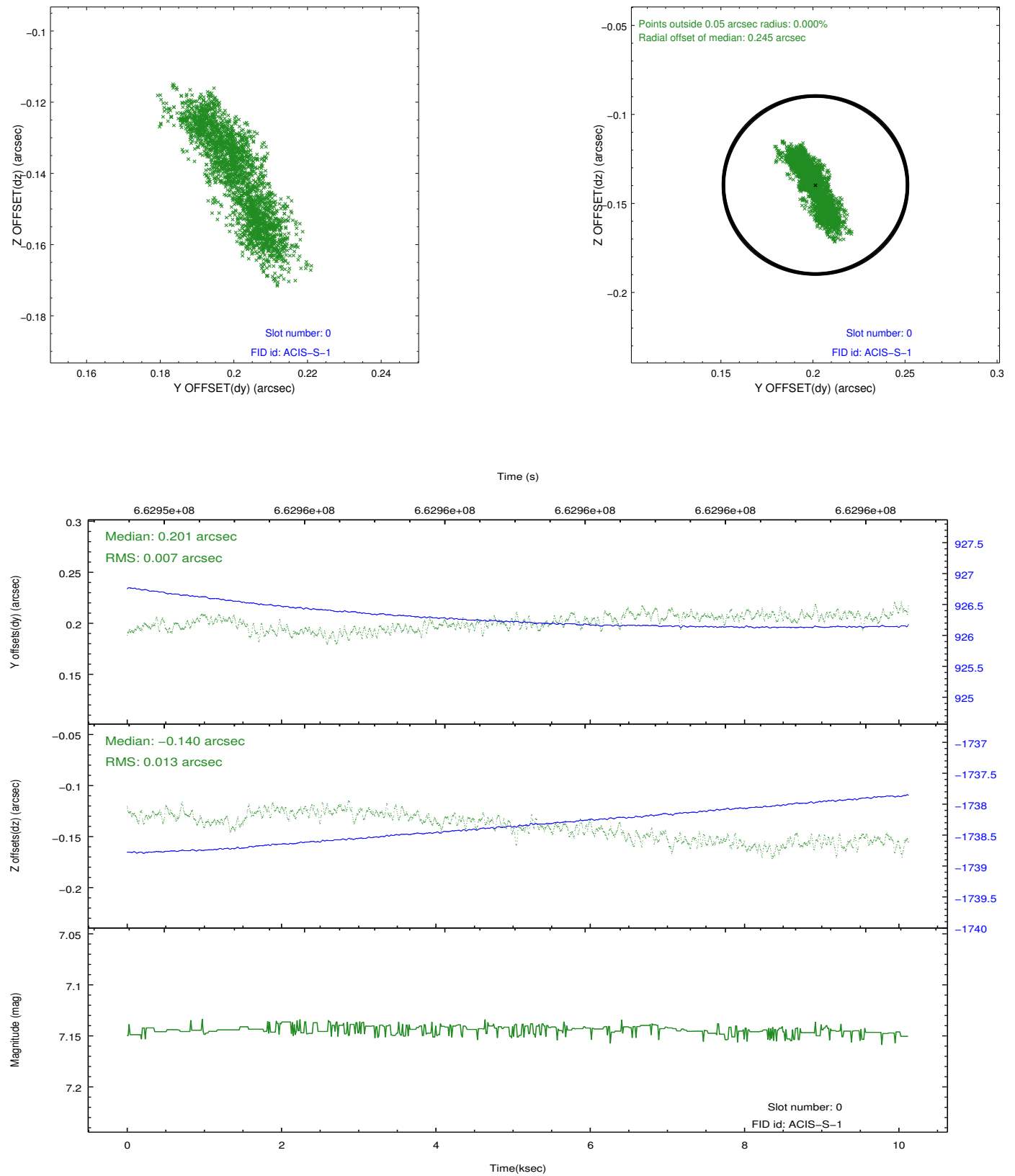


2.4.5 Slot 7

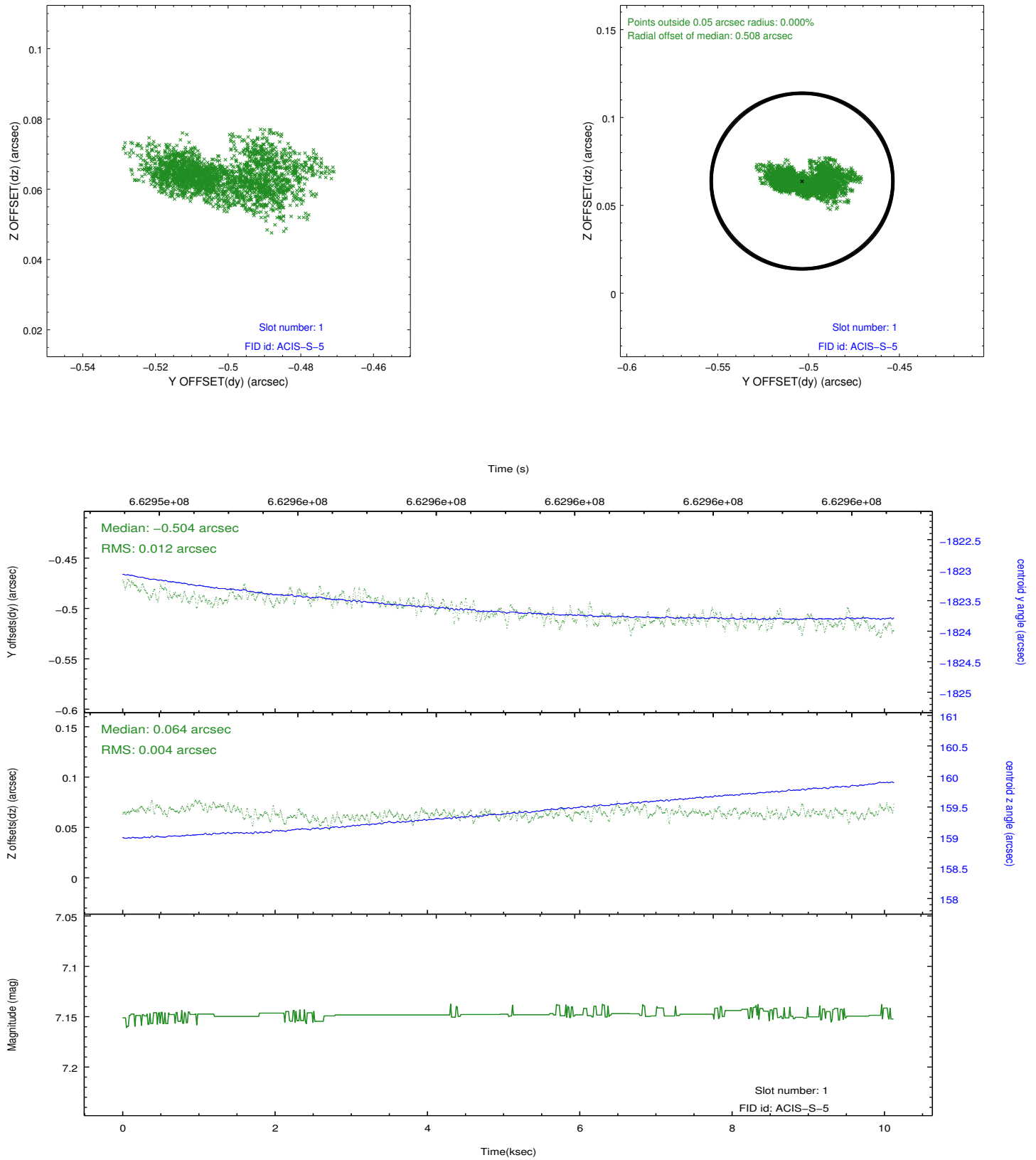


2.5 FID Slots

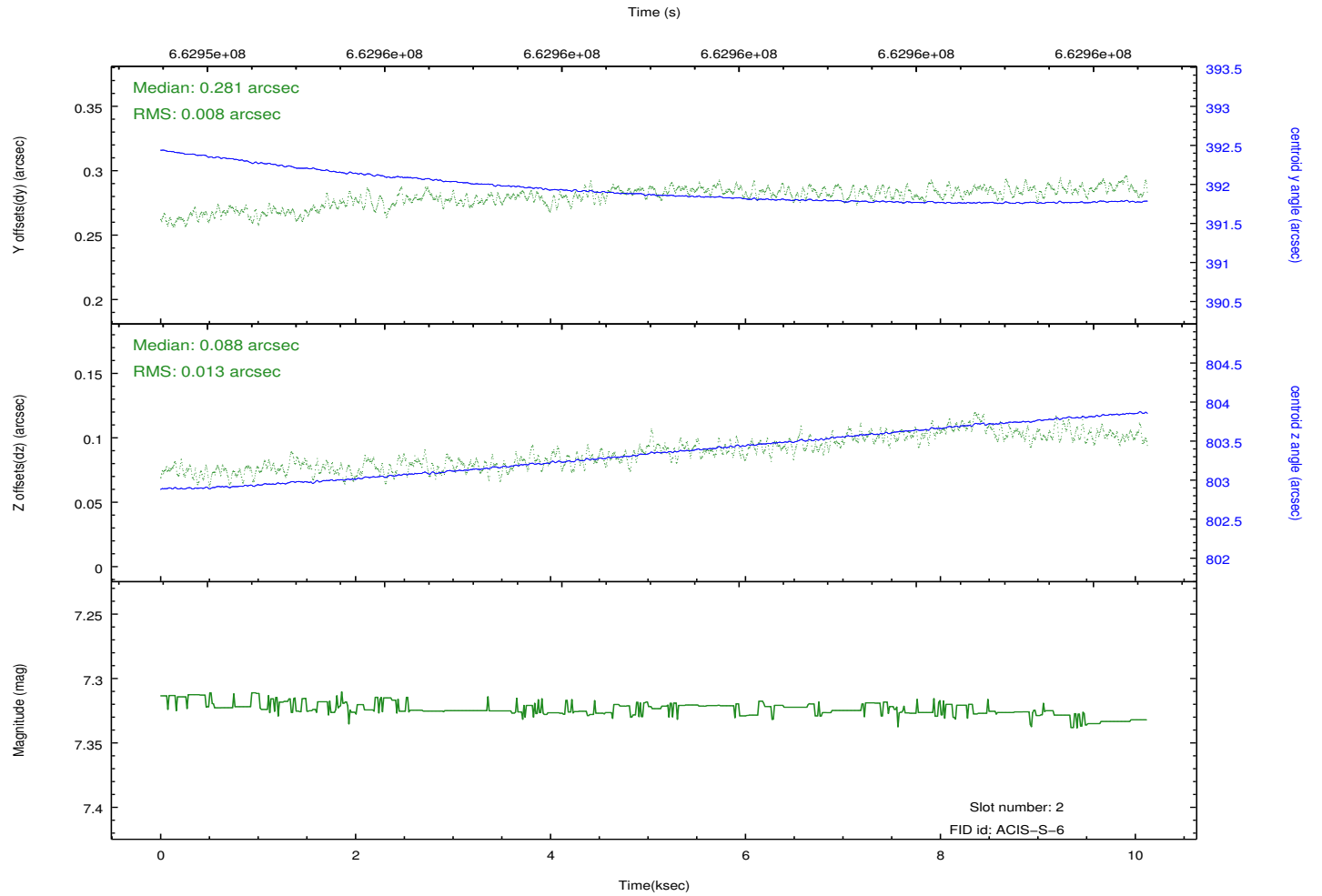
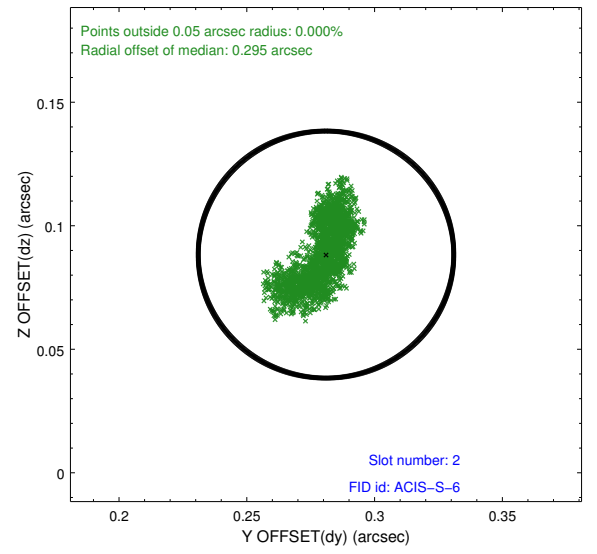
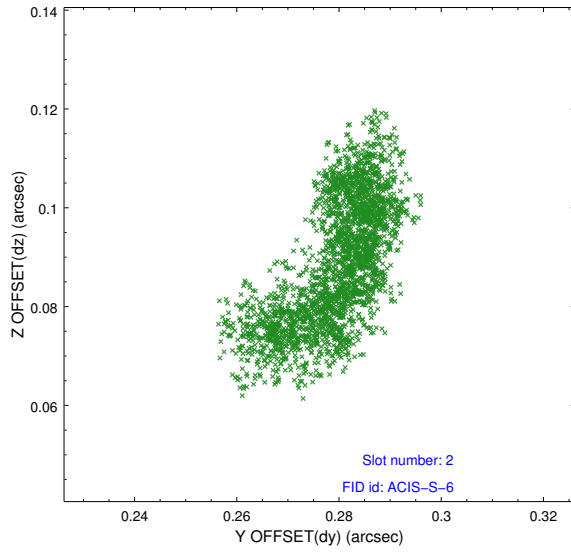
2.5.1 Slot 0



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)	2019.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.091387289047

A.2 Comments