

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 22091 - L2 Version 1
Chandra X-Ray Center

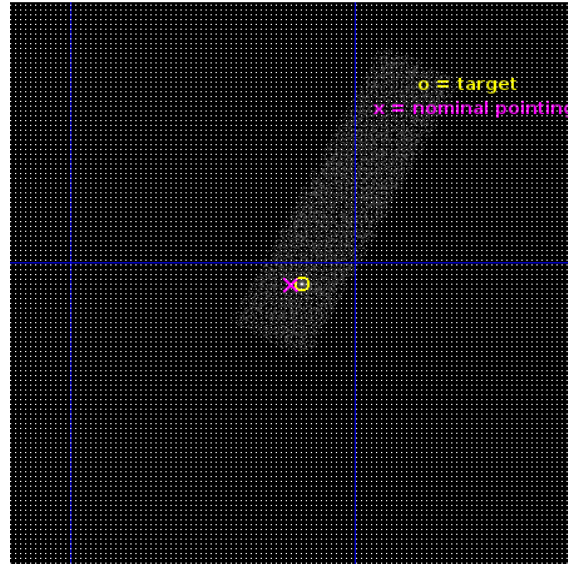
L2 Processing Date : Feb 10 2019

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1 Front

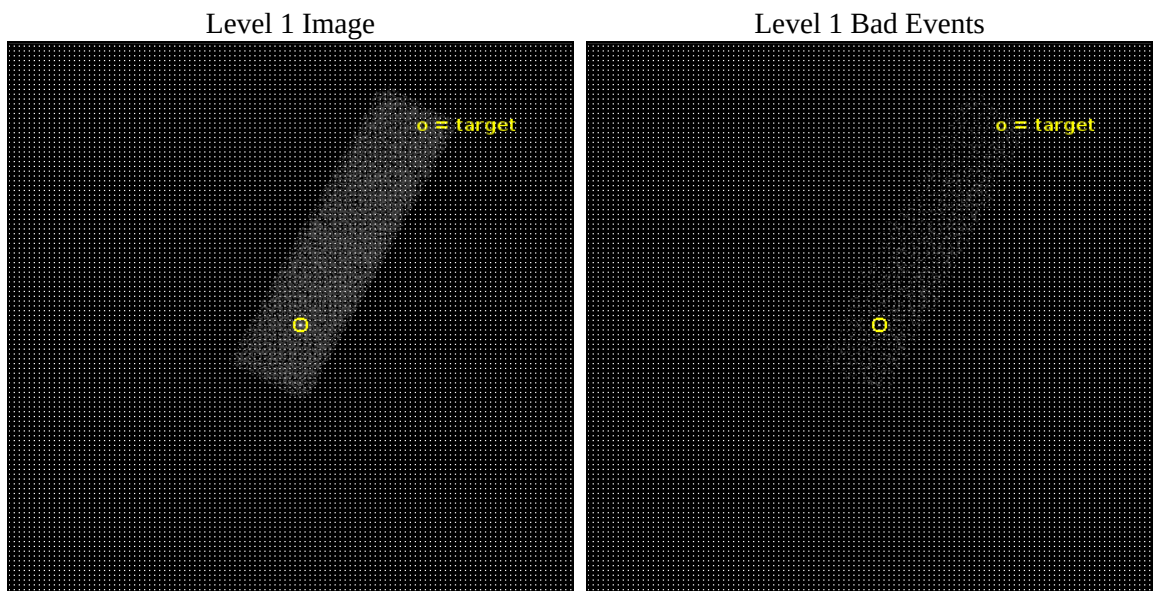
seq_num	703862	Sequence number
obs_id	22091	Observation id
title	C-BASS: A Chandra Legacy Survey of AGN at the Highest Spatial Resolutions	Proposal title
observer	Michael Koss	Principal investigator
object	SDSSJ084205.57+075925.5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	130.523224	Observer's specified target RA [deg]
dec_targ	7.990427	Observer's specified target Dec [deg]
ra_nom	130.52773147261	Nominal RA [deg]
dec_nom	7.9900336959368	Nominal Dec [deg]
roll_nom	297.75113089216	Nominal Roll [deg]
revision	1	Processing version of data
ontime	9971.1994056702	Sum of GTIs [s]
livetime	9484.6375018265	Livetime [s]
ontime7	9971.1994056702	Sum of GTIs [s]
l2events	16468	Number of level 2 events



2 OBI

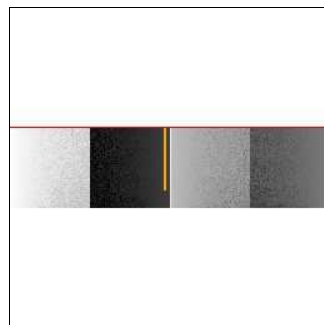
2.1 OBI

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	9971.1994056702	Sum of GTIs [s]
caldsver	4.8.2	 	ontime7	9971.1994056702	Sum of GTIs [s]
date	2019-02-11T03:14:37	Date and time of file creation	l1events	30308	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

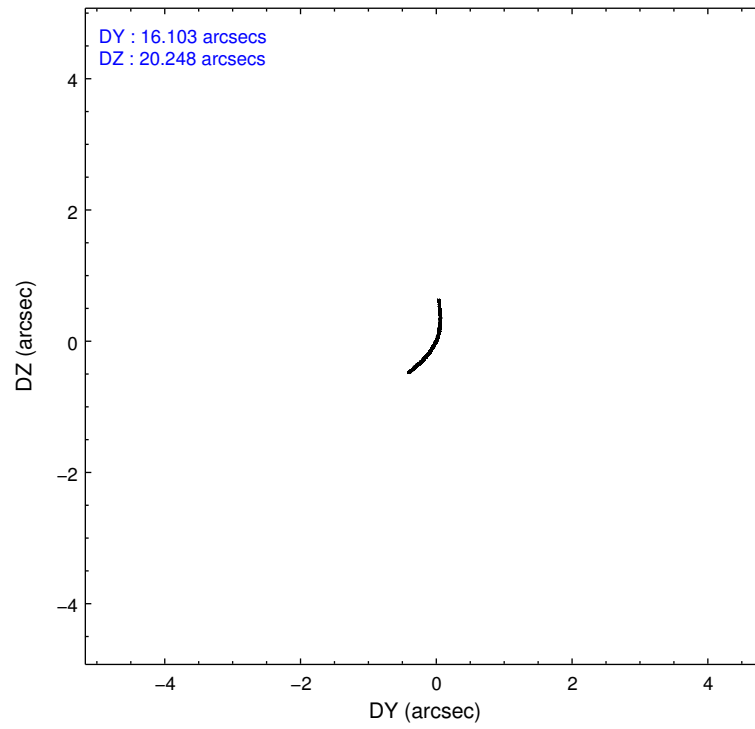
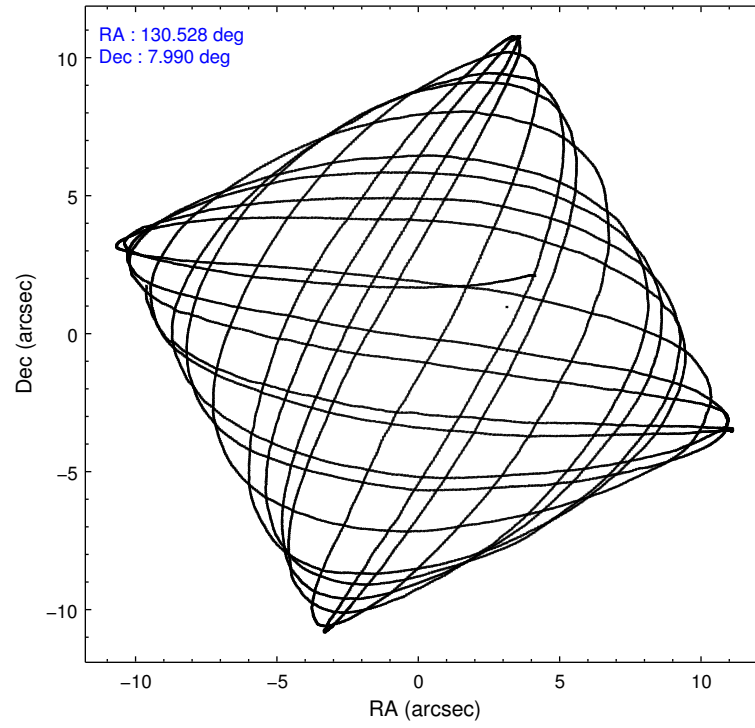
	ccd 7
level 1 events	30308
rejected events	13472
rejected %	44%

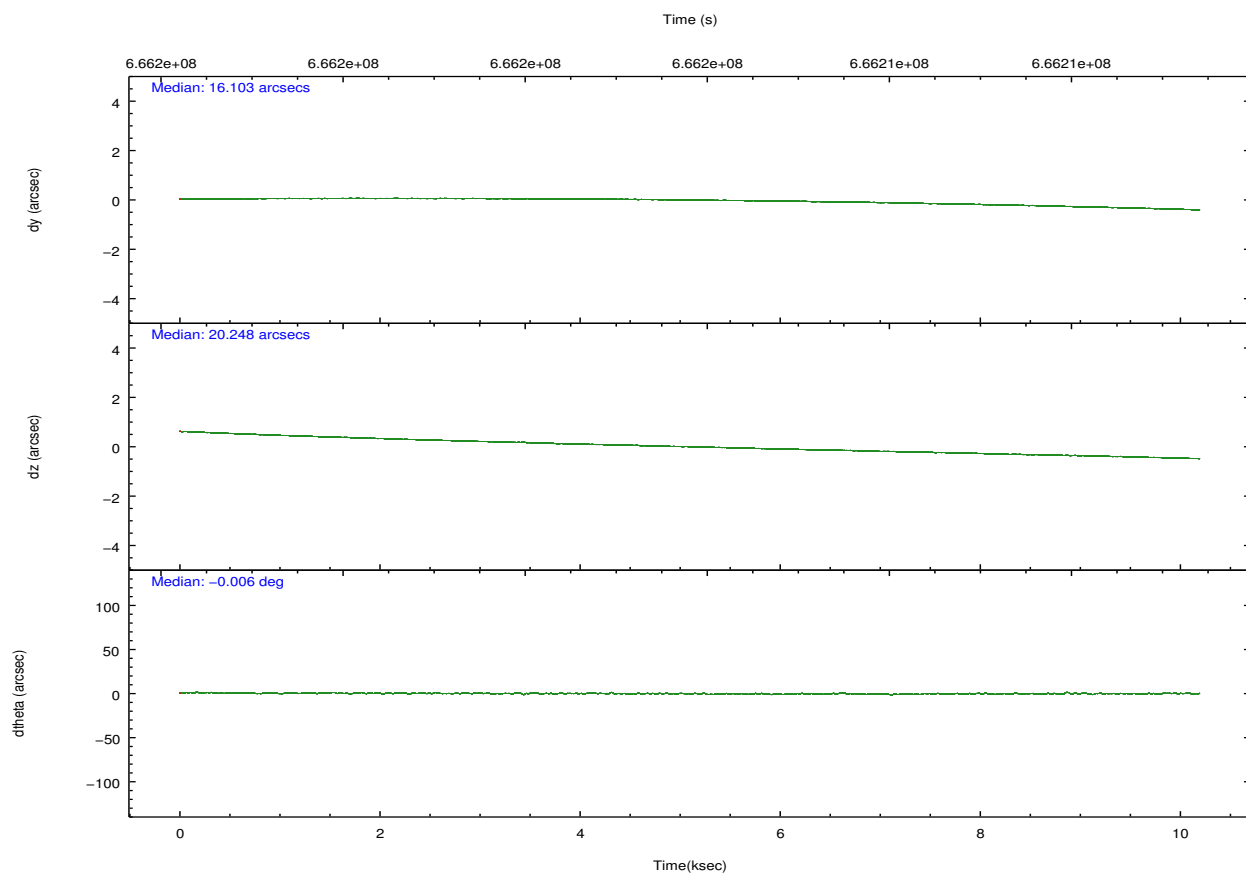
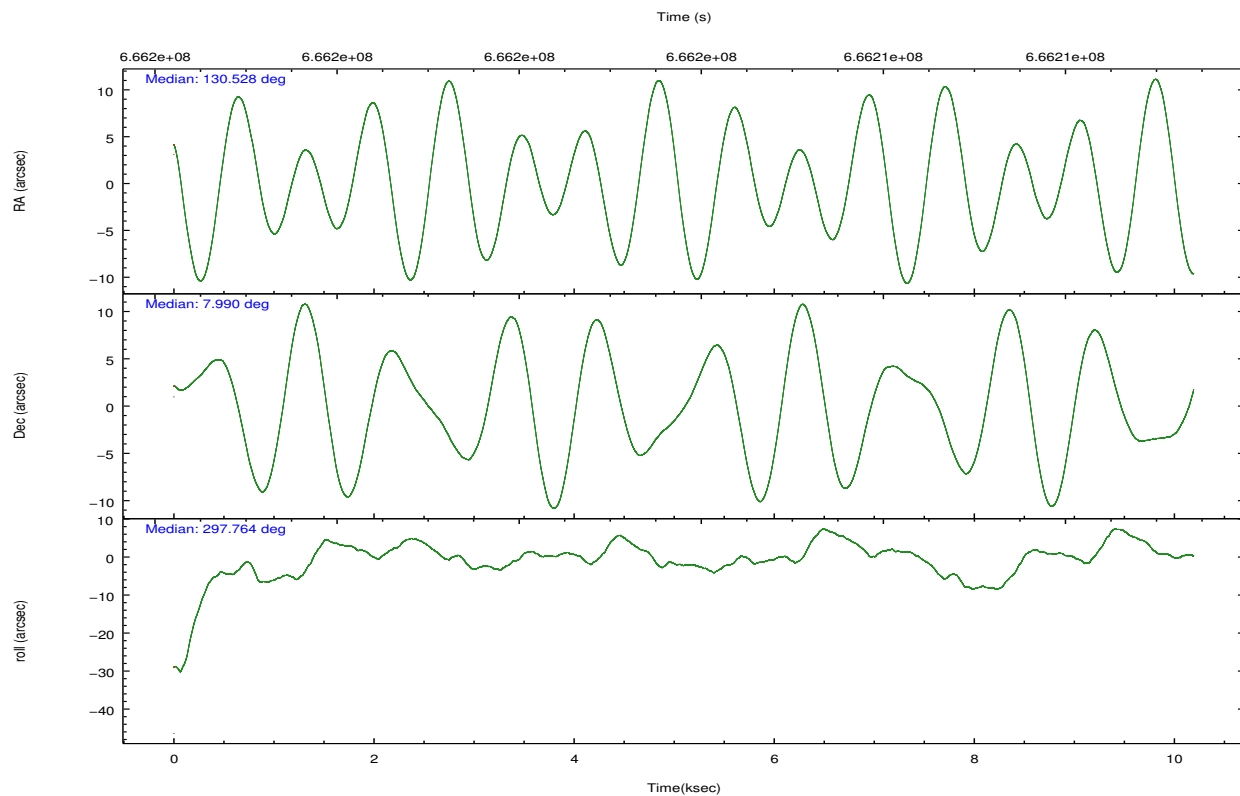
	ccd 7
grade 0 events	2166
	7%
grade 1 events	99
	0%
grade 2 events	3712
	12%
grade 3 events	1820
	6%
grade 4 events	1782
	5%
grade 5 events	2834
	9%
grade 6 events	7357
	24%
grade 7 events	10538
	34%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	130.504113	130.5277314726099	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	8.004369	7.990033695936782	Subarray start row	385	385
[deg] Pointing Roll	297.597777	297.7511308921553	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)	666198890.184000	666198352.5218			
Observation start date	2019-02-10T15:13:41	2019-02-10T15:05:52			
[s] Observation end time (MET)	666208890.184000	666209189.84745			
Observation end date	2019-02-10T18:00:21	2019-02-10T18:06:29			
Read mode	TIMED	TIMED			

2.3 Aspect



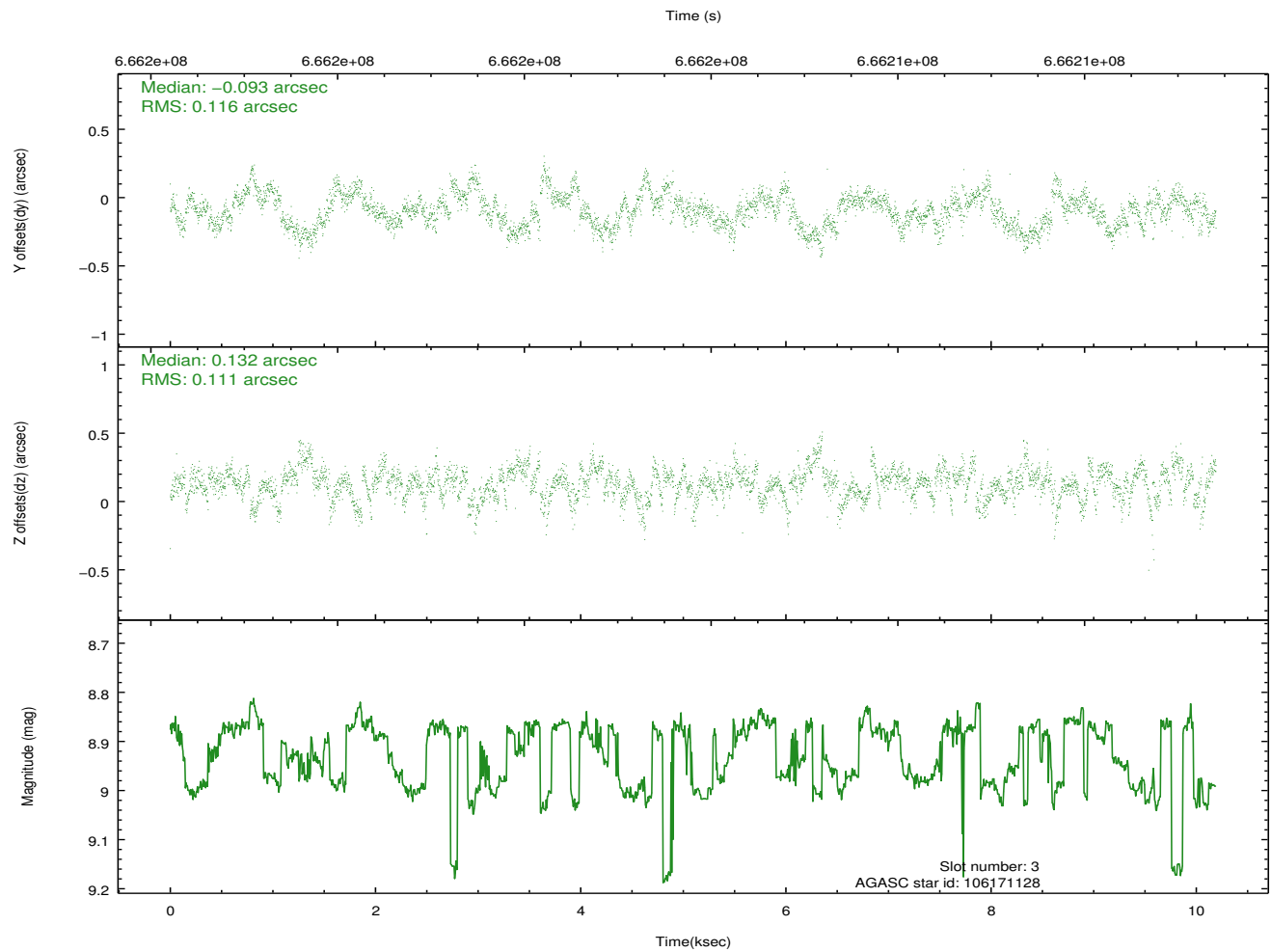
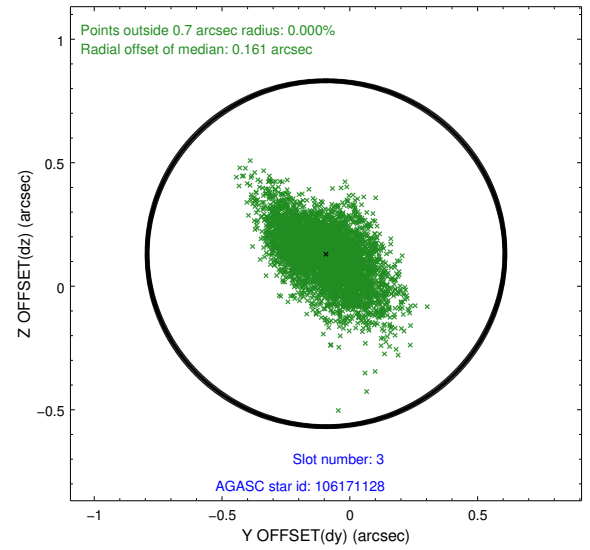
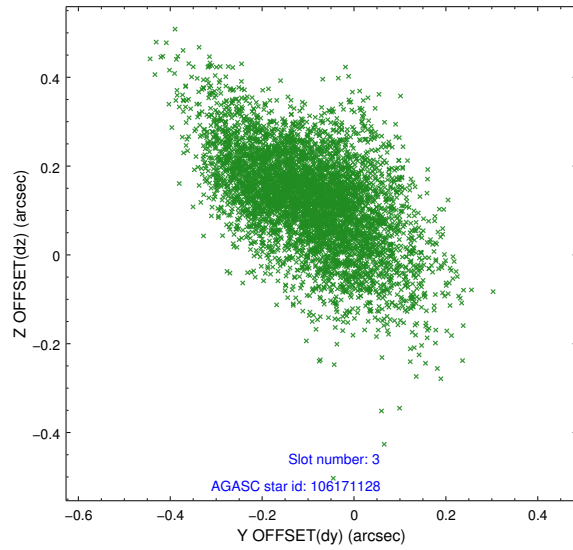


Slot Statistics

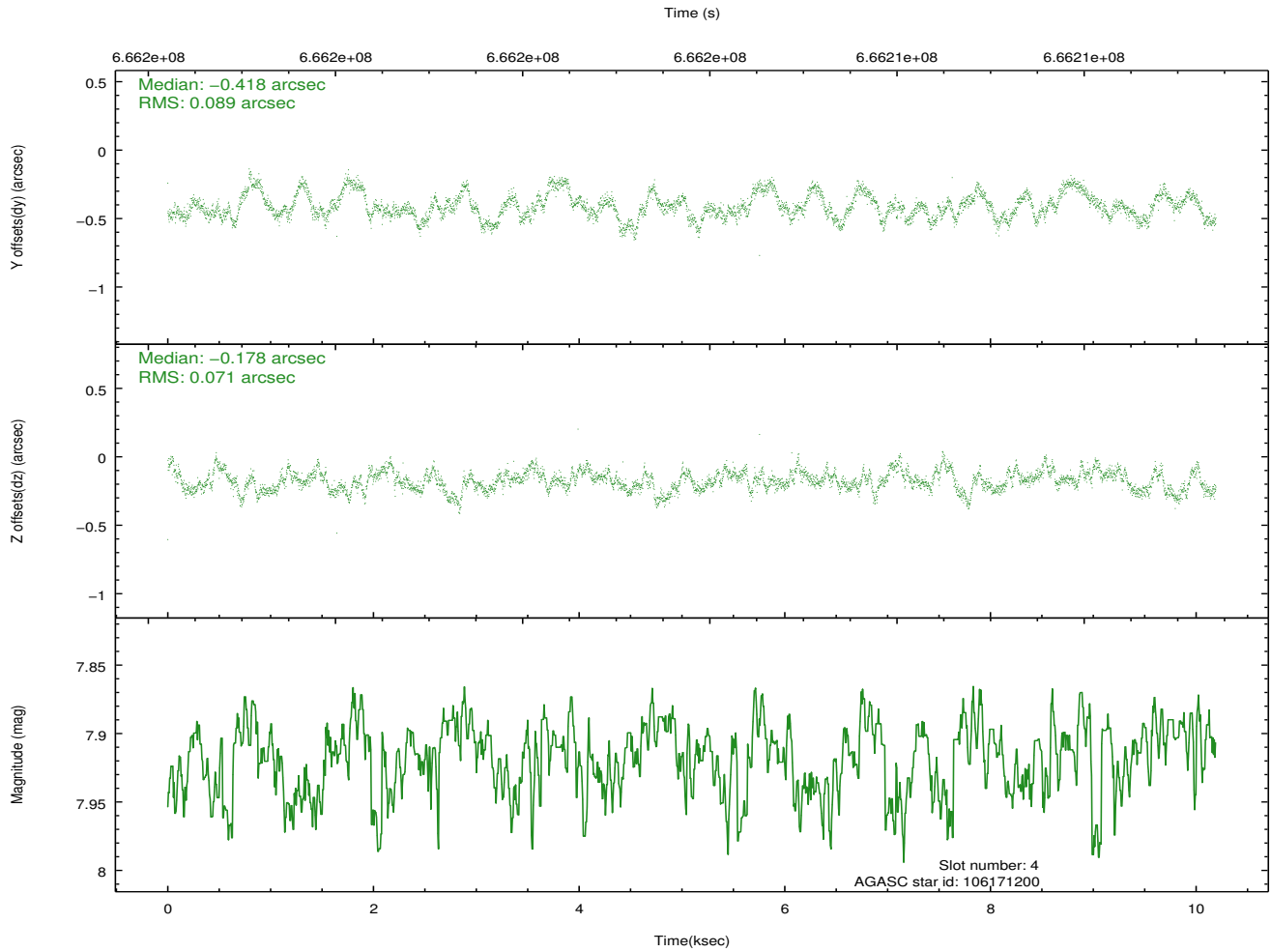
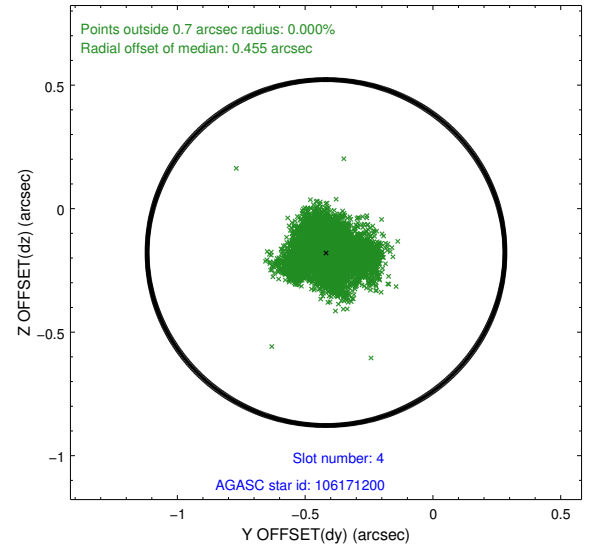
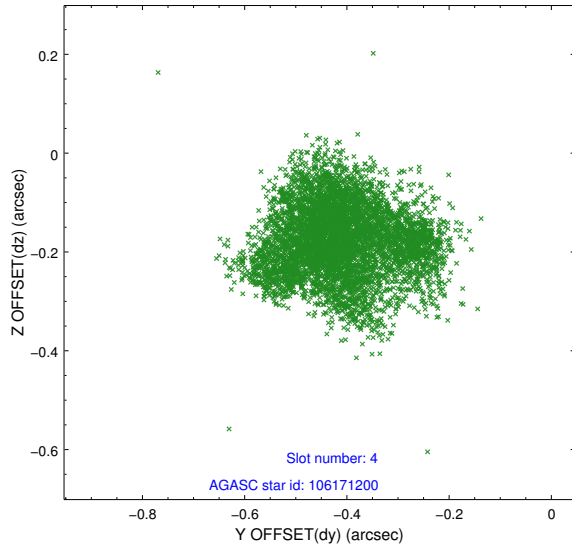
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.04	2487	1.000	-0.350	-0.202	0.008	0.014	0.000000	0.000000	-769.32	-1741
1	FID		ACIS-S-4	7.18	2487	1.000	0.793	0.223	0.012	0.022	0.000000	0.000000	2144.79	166
2	FID		ACIS-S-5	7.13	2487	1.000	-0.475	-0.012	0.009	0.016	0.000000	0.000000	-1821.70	160
3	GUIDE	used	106171128	8.93	4961	1.000	-0.093	0.132	0.166	0.290	130.826197	8.539951	-1178.80	1908
4	GUIDE	used	106171200	7.92	4971	1.000	-0.418	-0.178	0.125	0.187	131.209701	7.621491	2385.06	1592
5	GUIDE	used	106172224	8.87	4970	1.000	-0.188	-0.060	0.298	0.404	131.000909	7.699425	1792.74	1061
6	GUIDE	used	106174520	8.94	4964	1.000	-0.002	-0.093	0.168	0.263	131.124139	8.078906	784.48	2082
7	GUIDE	used	106189744	9.32	4951	1.000	0.697	0.172	0.206	0.335	130.448591	8.254627	-889.81	242

2.4 Star Slots

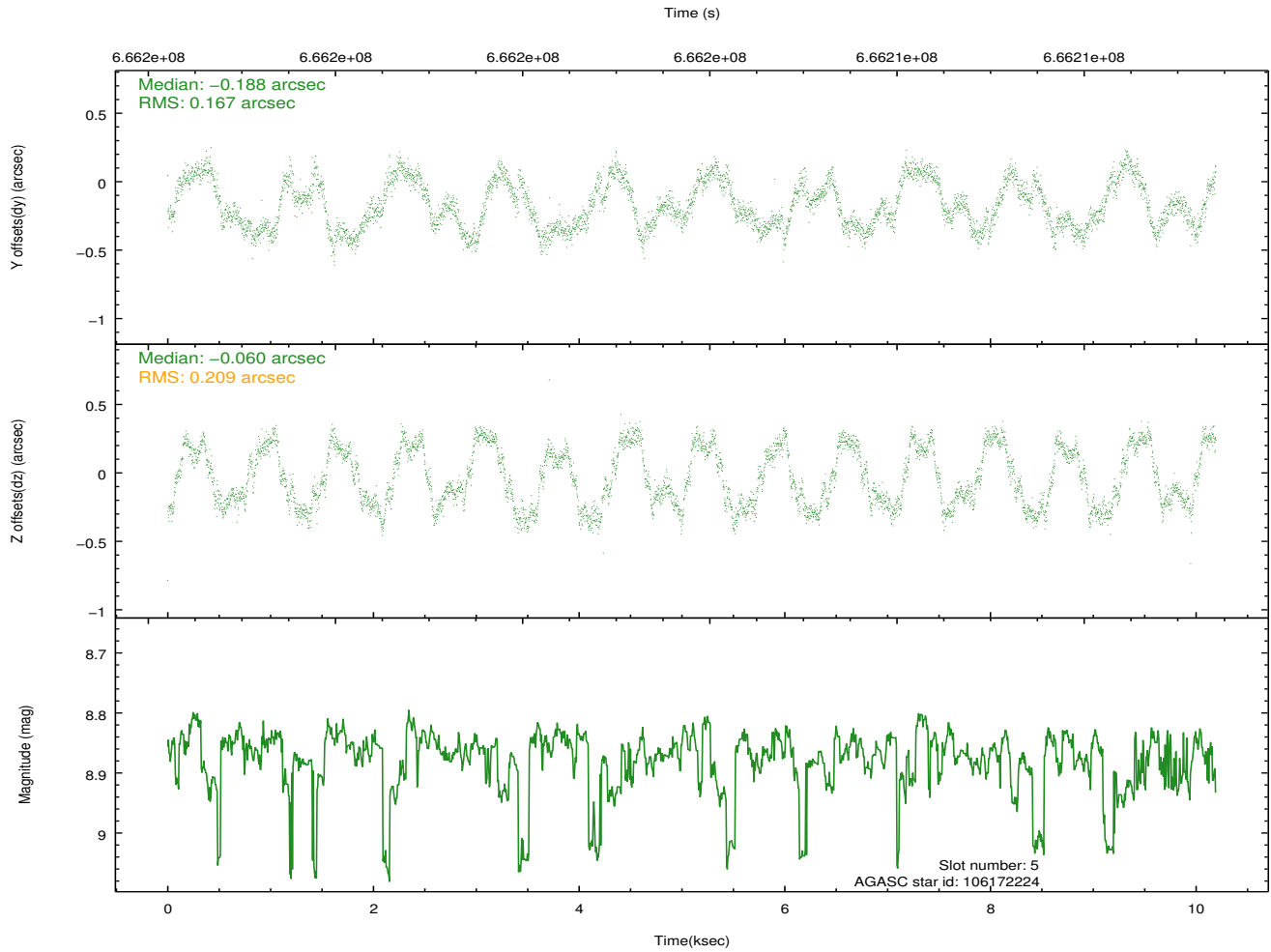
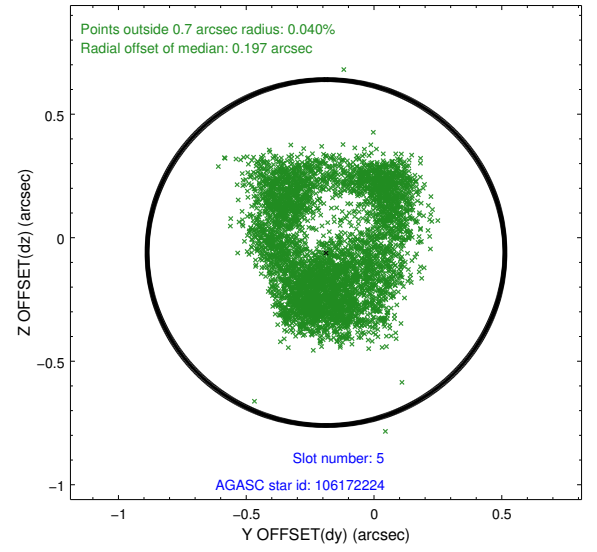
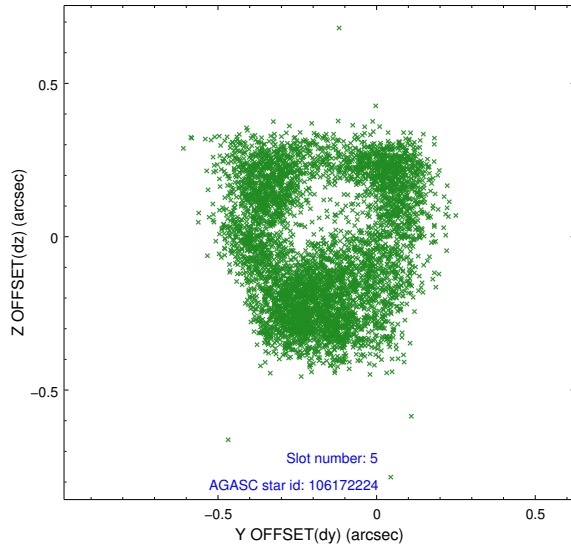
2.4.1 Slot 3



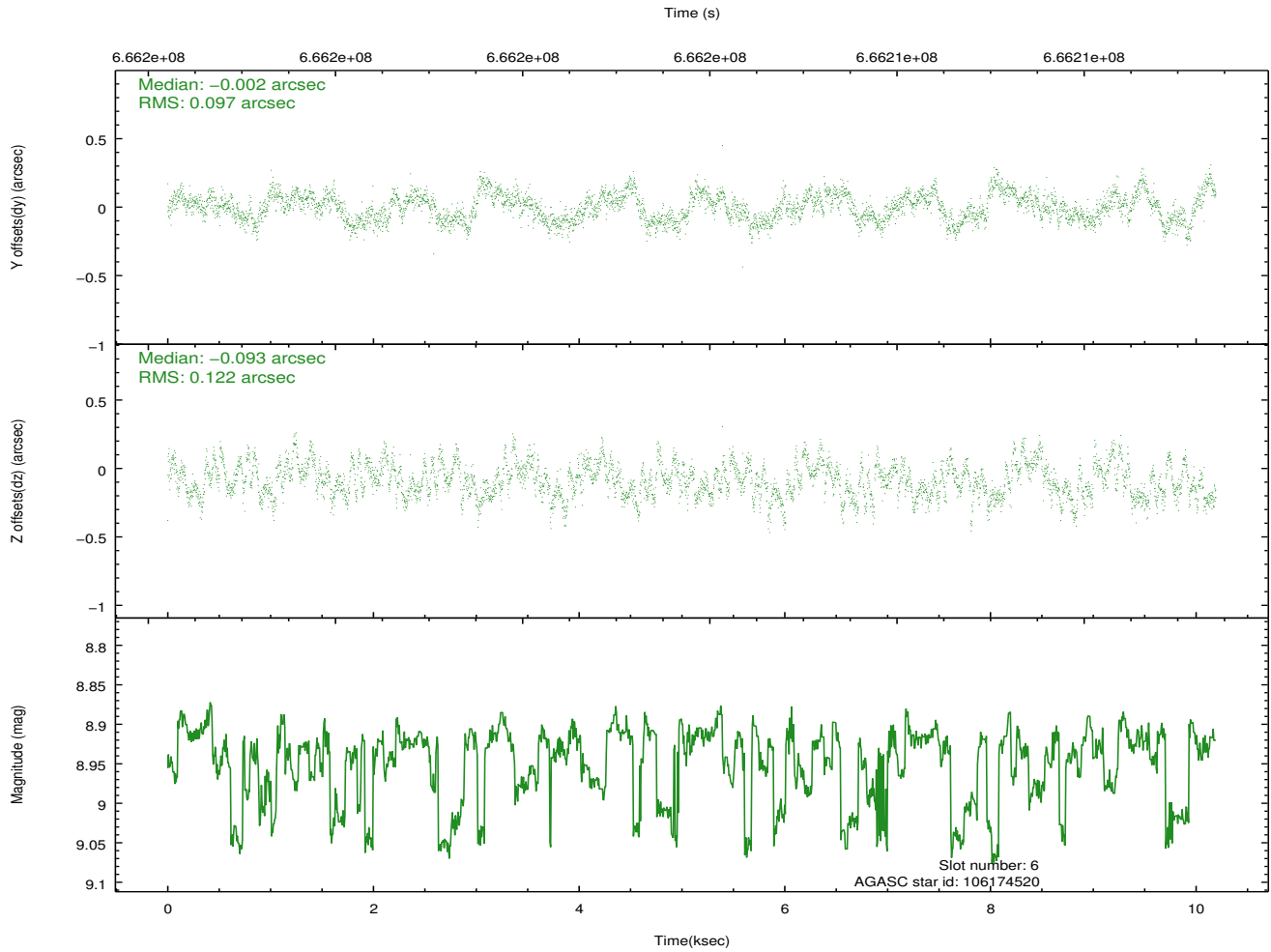
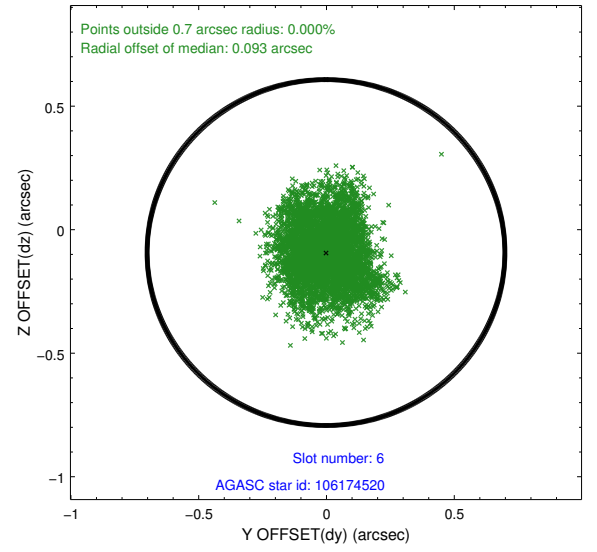
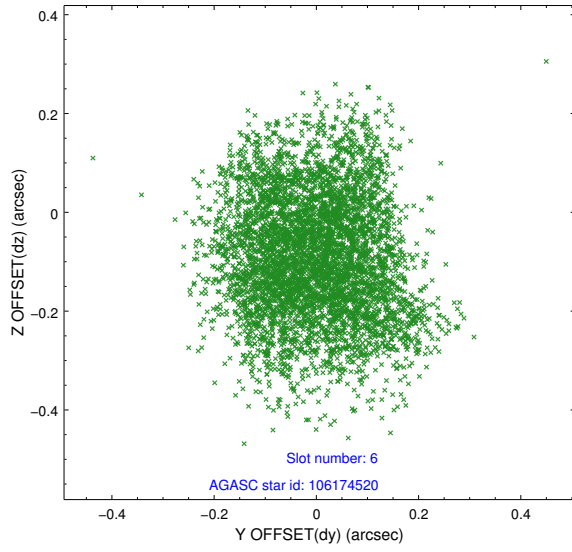
2.4.2 Slot 4



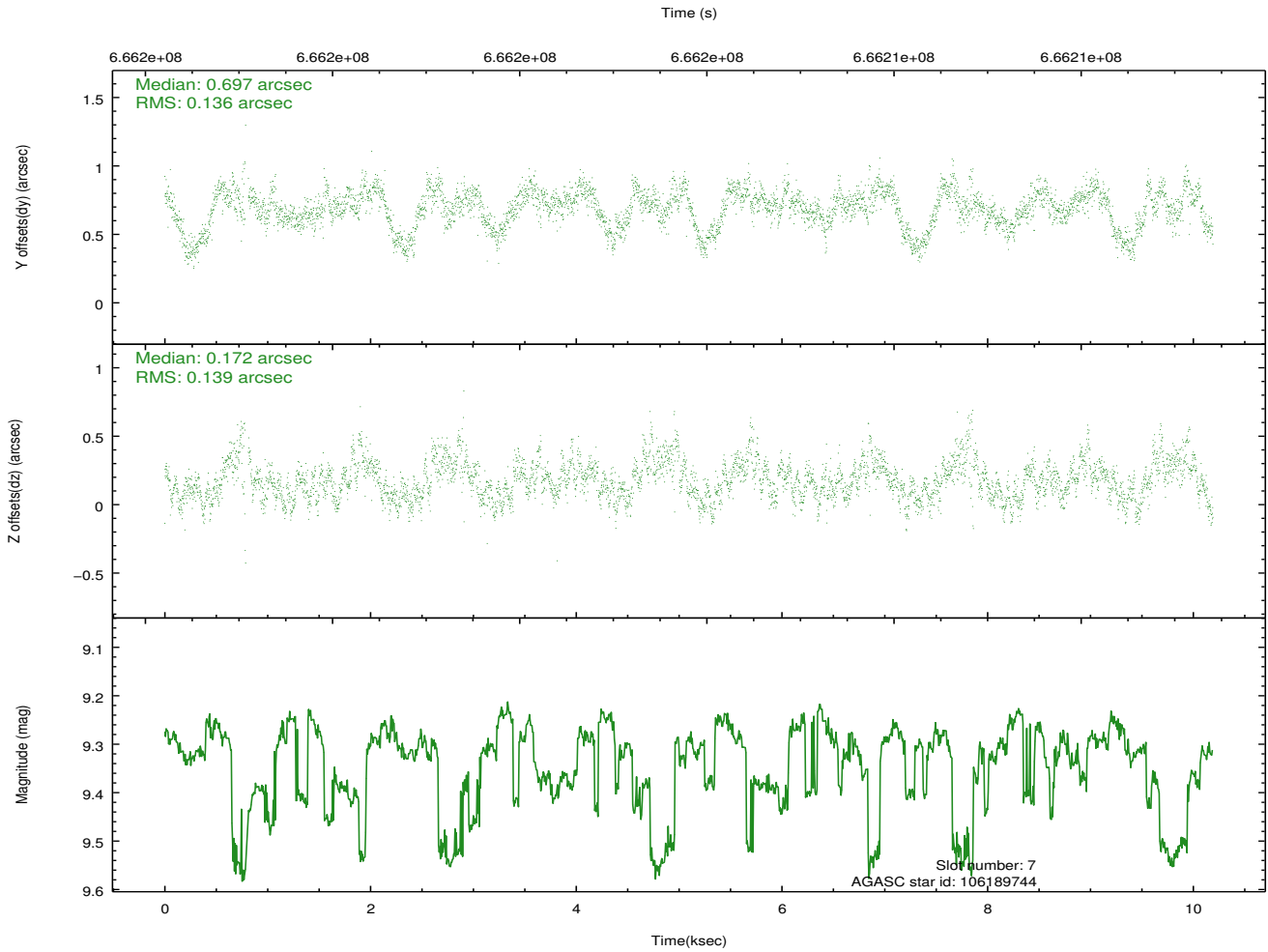
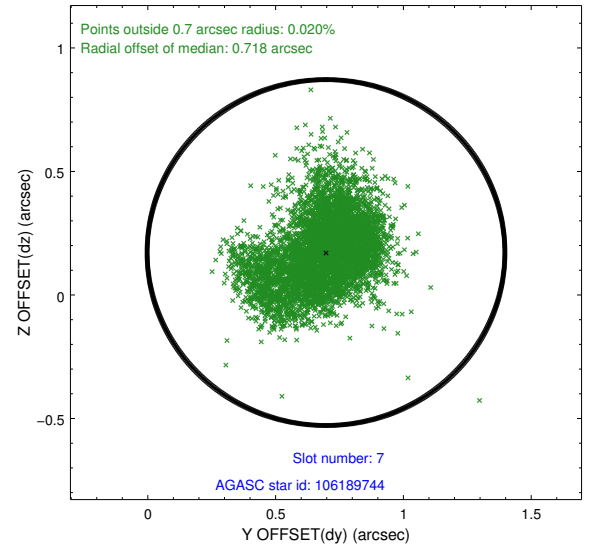
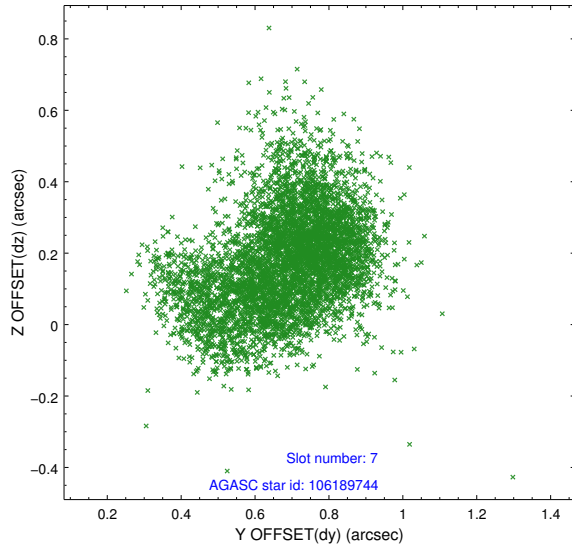
2.4.3 Slot 5



2.4.4 Slot 6

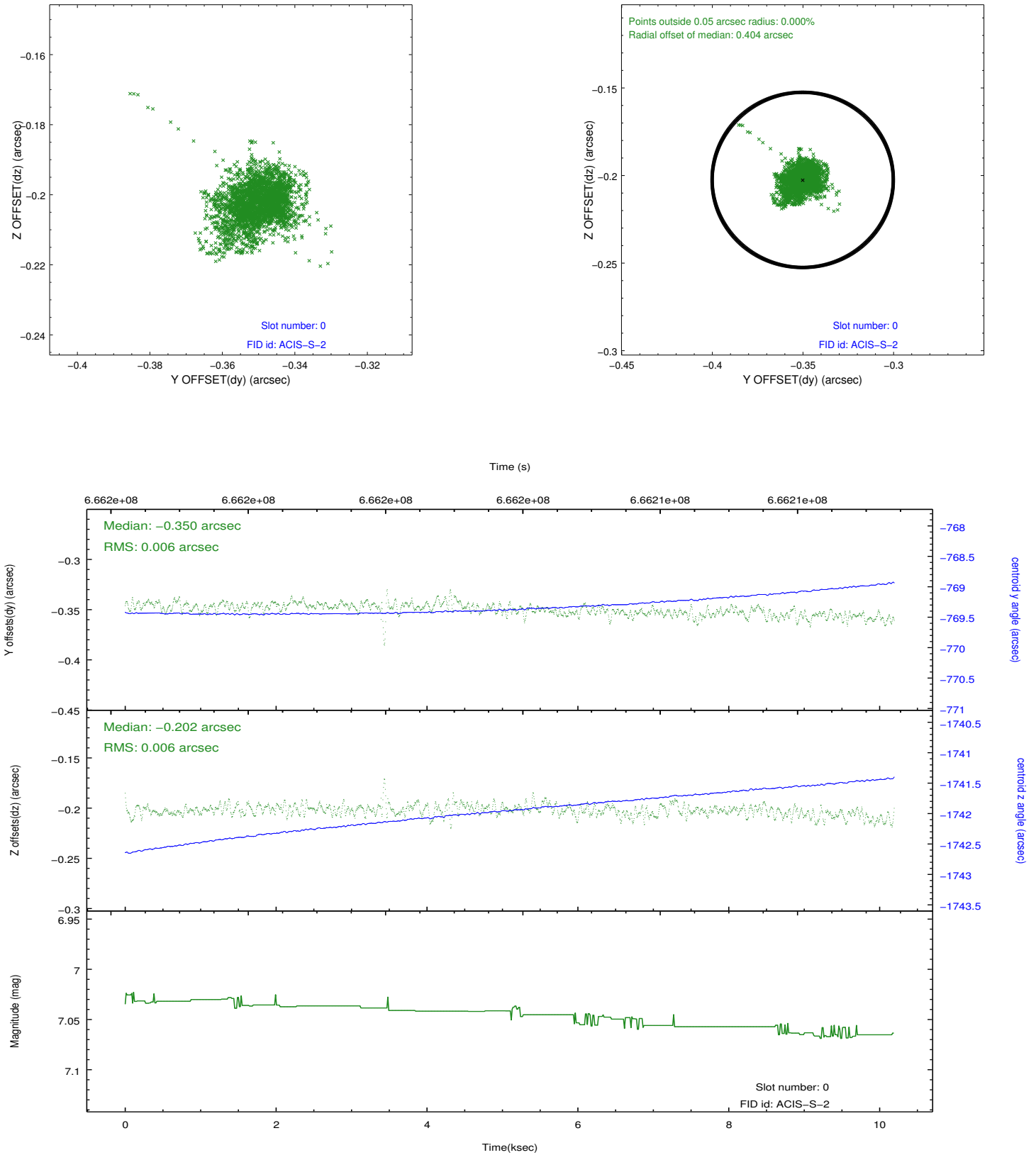


2.4.5 Slot 7

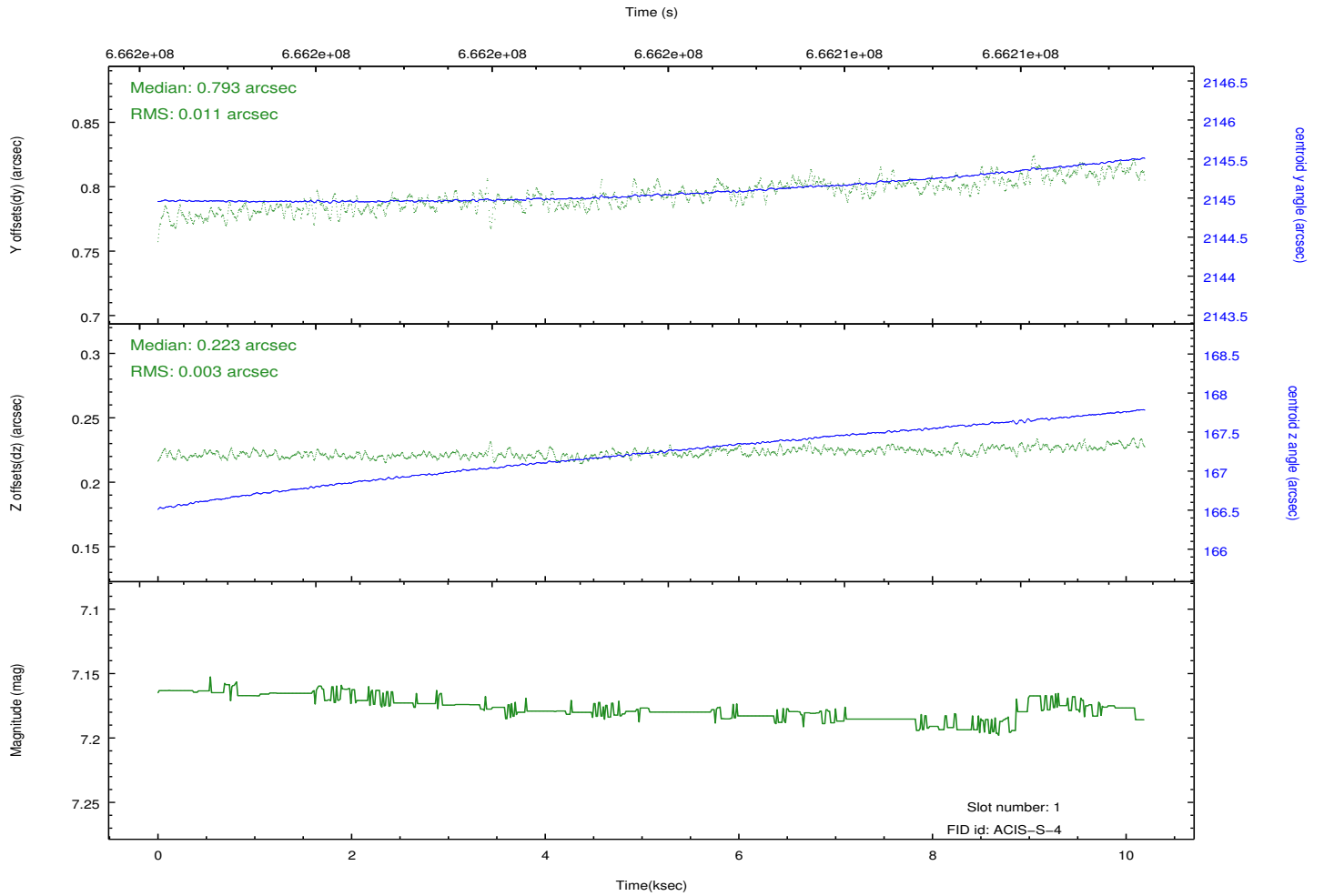
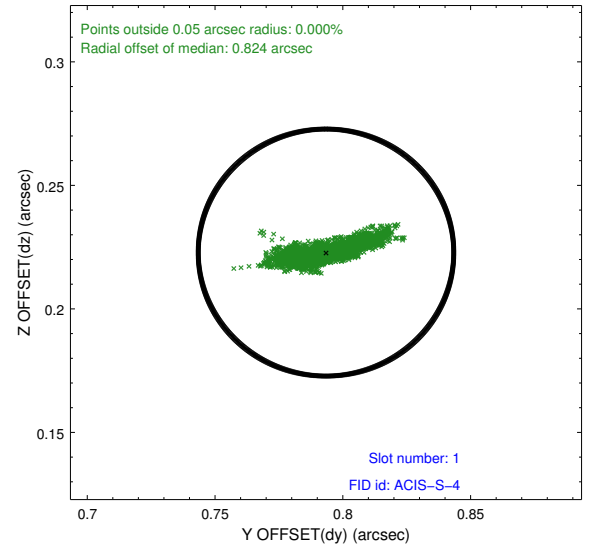
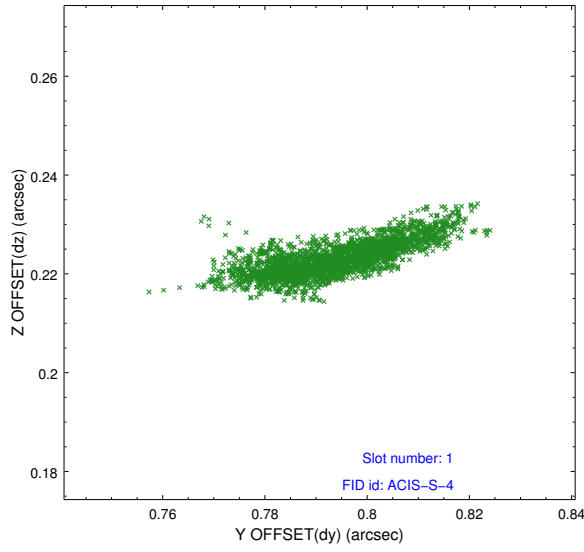


2.5 FID Slots

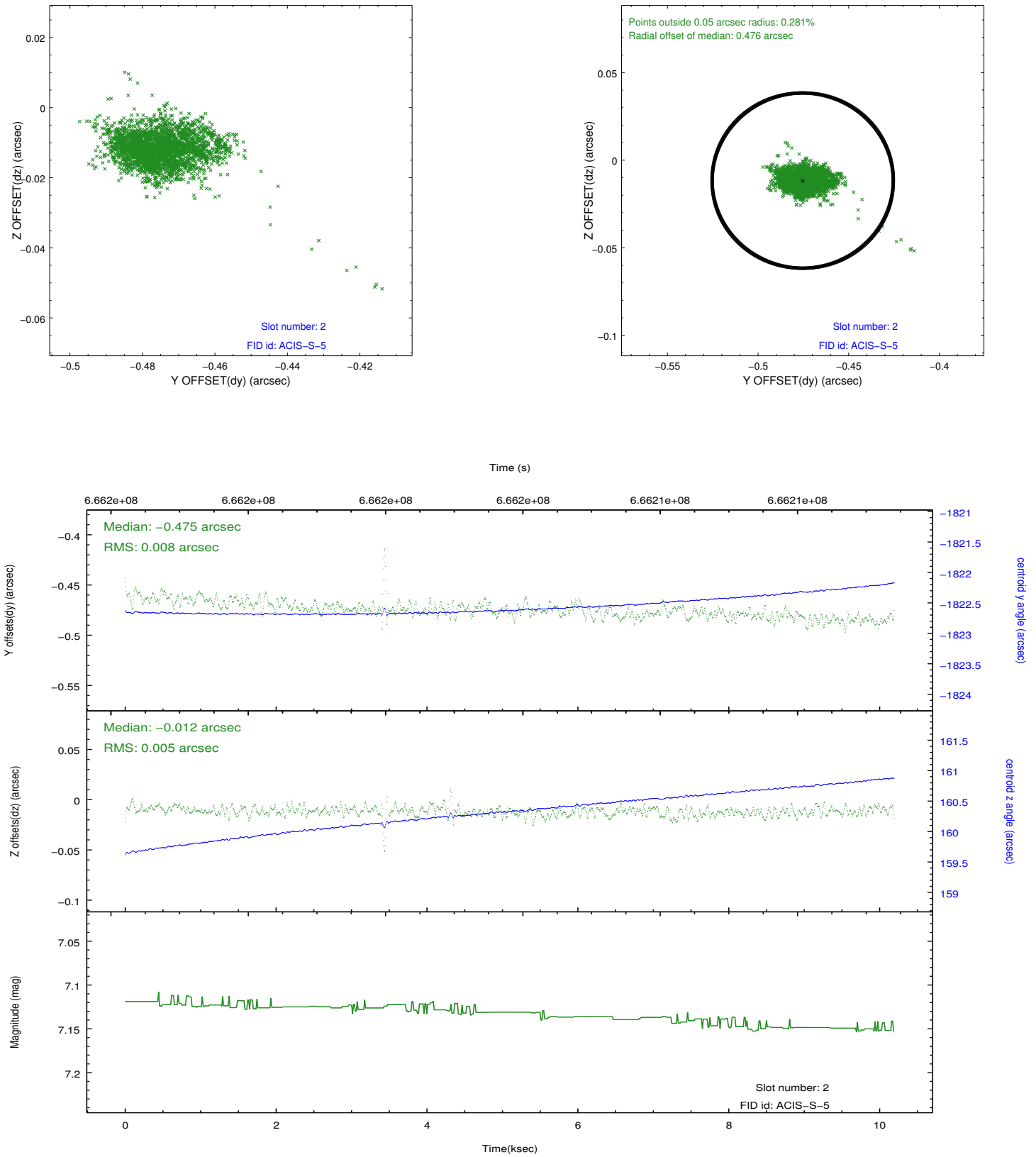
2.5.1 Slot 0



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)	2019.02.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.9711994056702

A.2 Comments