

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 22057 - L2 Version 1
Chandra X-Ray Center

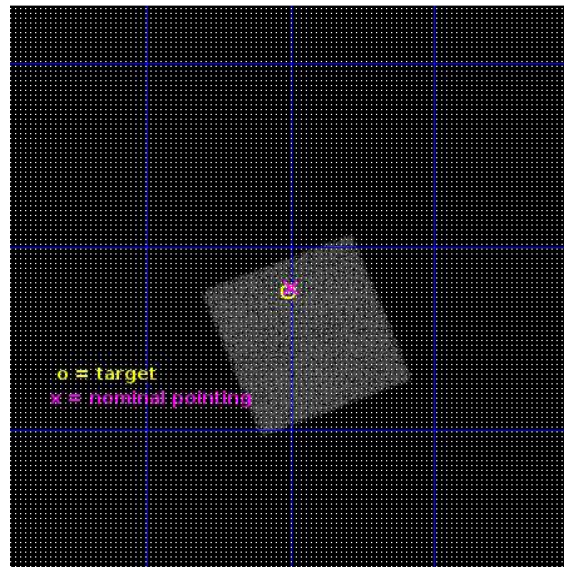
L2 Processing Date : Jan 27 2019

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1 Front

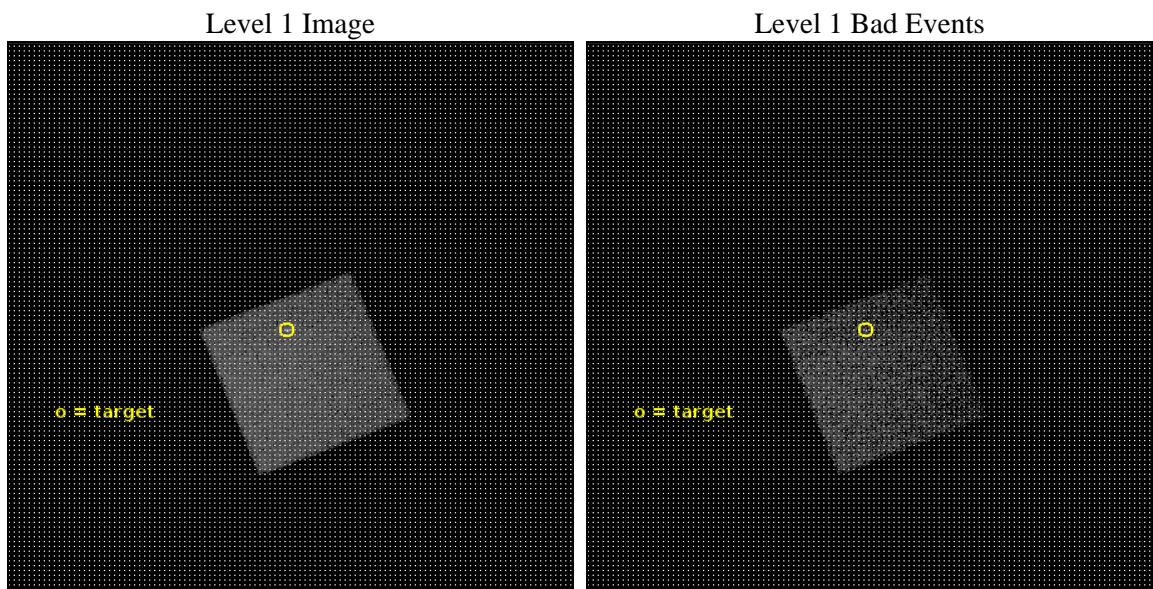
seq_num	703849	Sequence number
obs_id	22057	Observation id
title	C-BASS: A Chandra Legacy Survey of AGN at the Highest Spatial Resolutions	Proposal title
observer	Michael Koss	Principal investigator
object	UGC 10683 NED02	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	256.251648	Observer's specified target RA [deg]
dec_targ	-1.541253	Observer's specified target Dec [deg]
ra_nom	256.24899265499	Nominal RA [deg]
dec_nom	-1.5370960962484	Nominal Dec [deg]
roll_nom	68.286453743841	Nominal Roll [deg]
revision	1	Processing version of data
ontime	9963.0	Sum of GTIs [s]
livetime	9828.545497593	Livetime [s]
ontime7	9963.0	Sum of GTIs [s]
l2events	43001	Number of level 2 events



2 OBI

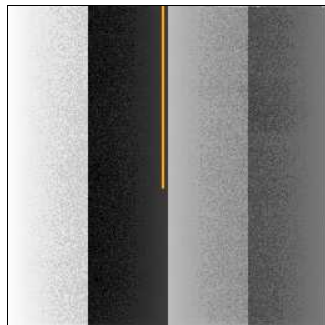
2.1 OBI

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	9963.0	Sum of GTIs [s]
caldsver	4.8.2	 	ontime7	9963.0	Sum of GTIs [s]
date	2019-01-27T14:37:03	Date and time of file creation	l1events	97791	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

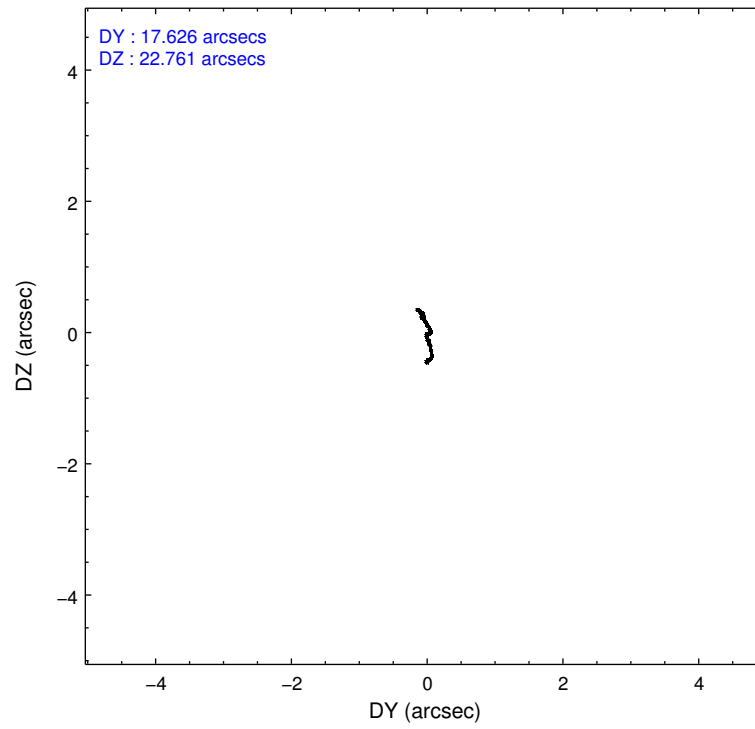
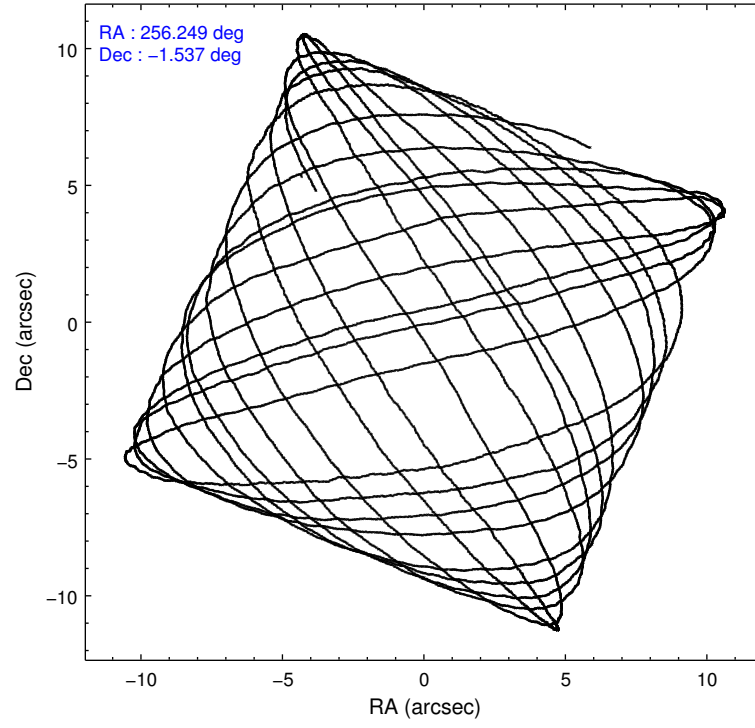
	ccd 7
level 1 events	97791
rejected events	53748
rejected %	54%

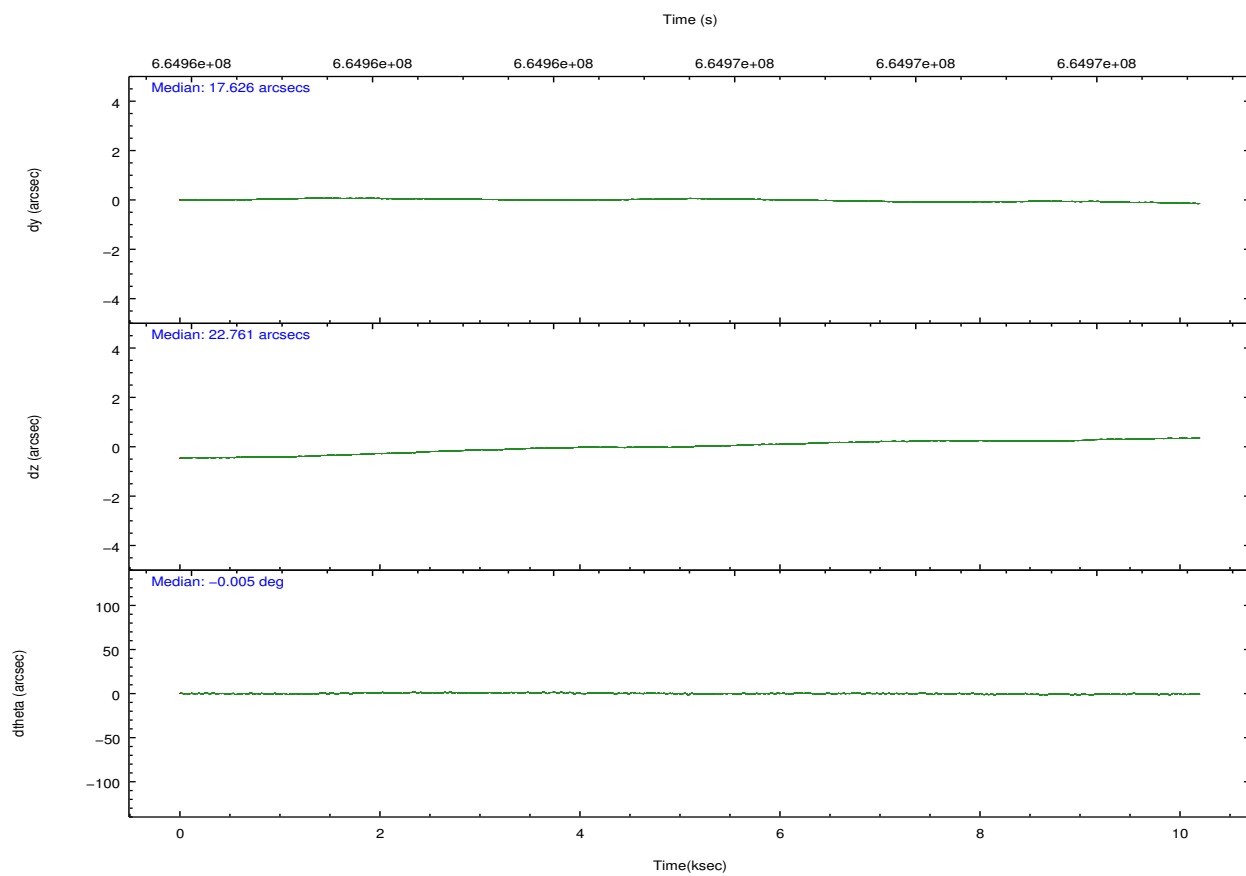
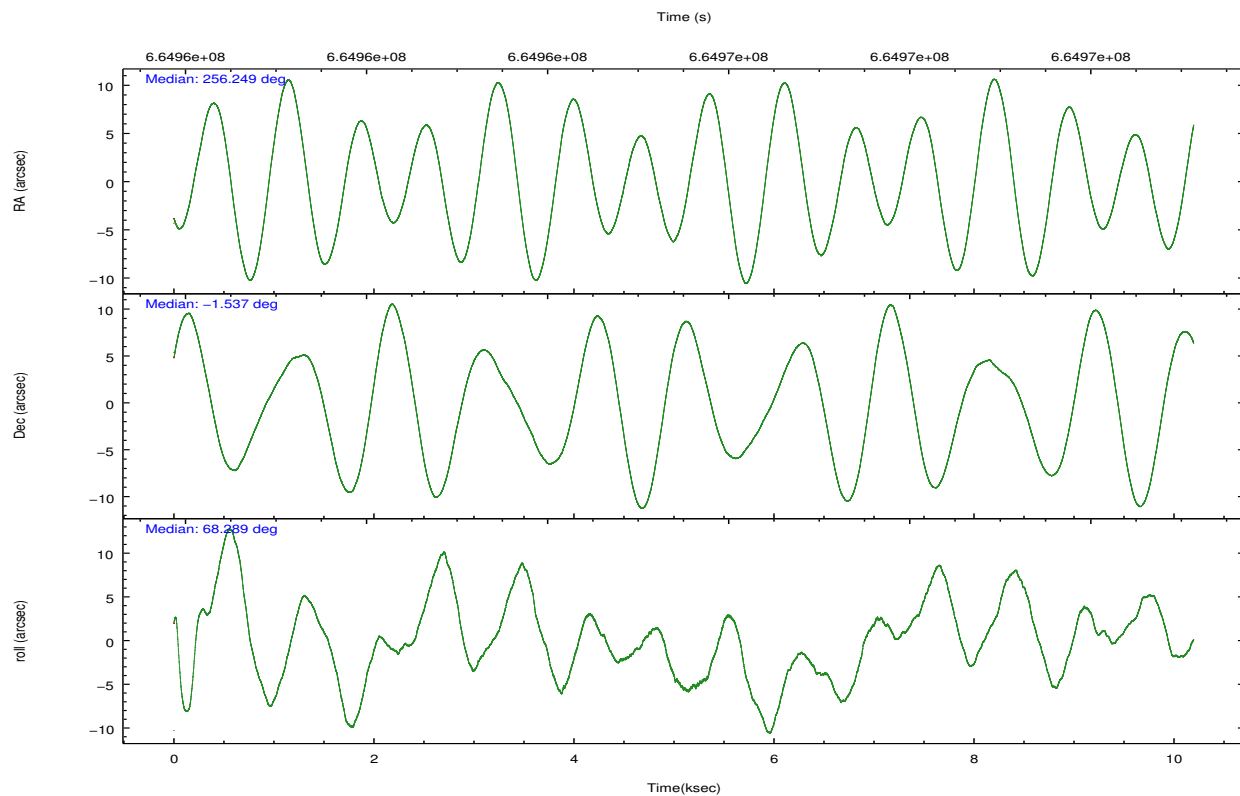
	ccd 7
grade 0 events	3984
	4%
grade 1 events	211
	0%
grade 2 events	9381
	9%
grade 3 events	3363
	3%
grade 4 events	3479
	3%
grade 5 events	9611
	9%
grade 6 events	23872
	24%
grade 7 events	43890
	44%

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	256.253330	256.2489926549906	Subarray requested	NONE	NONE
[deg] Pointing Dec	-1.564239	-1.537096096248433	Alternating exposures requested	N	N
[deg] Pointing Roll	68.129945	68.28645374384119	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	664960596.184000	664960138.09782			
Observation start date	2019-01-27T07:15:27	2019-01-27T07:08:58			
[s] Observation end time (MET)	664970596.184000	664971700.09851			
Observation end date	2019-01-27T10:02:07	2019-01-27T10:21:40			
Read mode	TIMED	TIMED			

2.3 Aspect



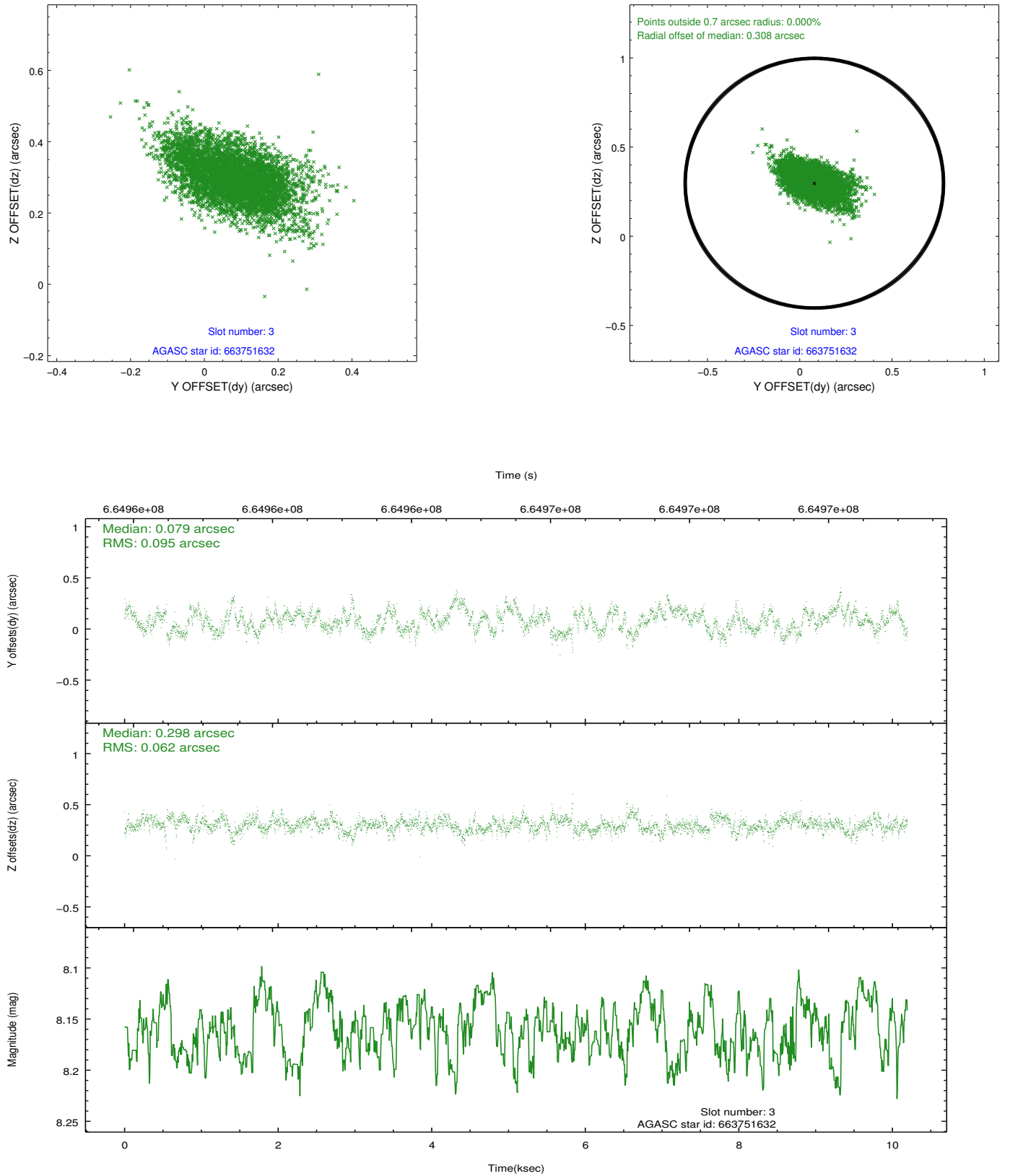


Slot Statistics

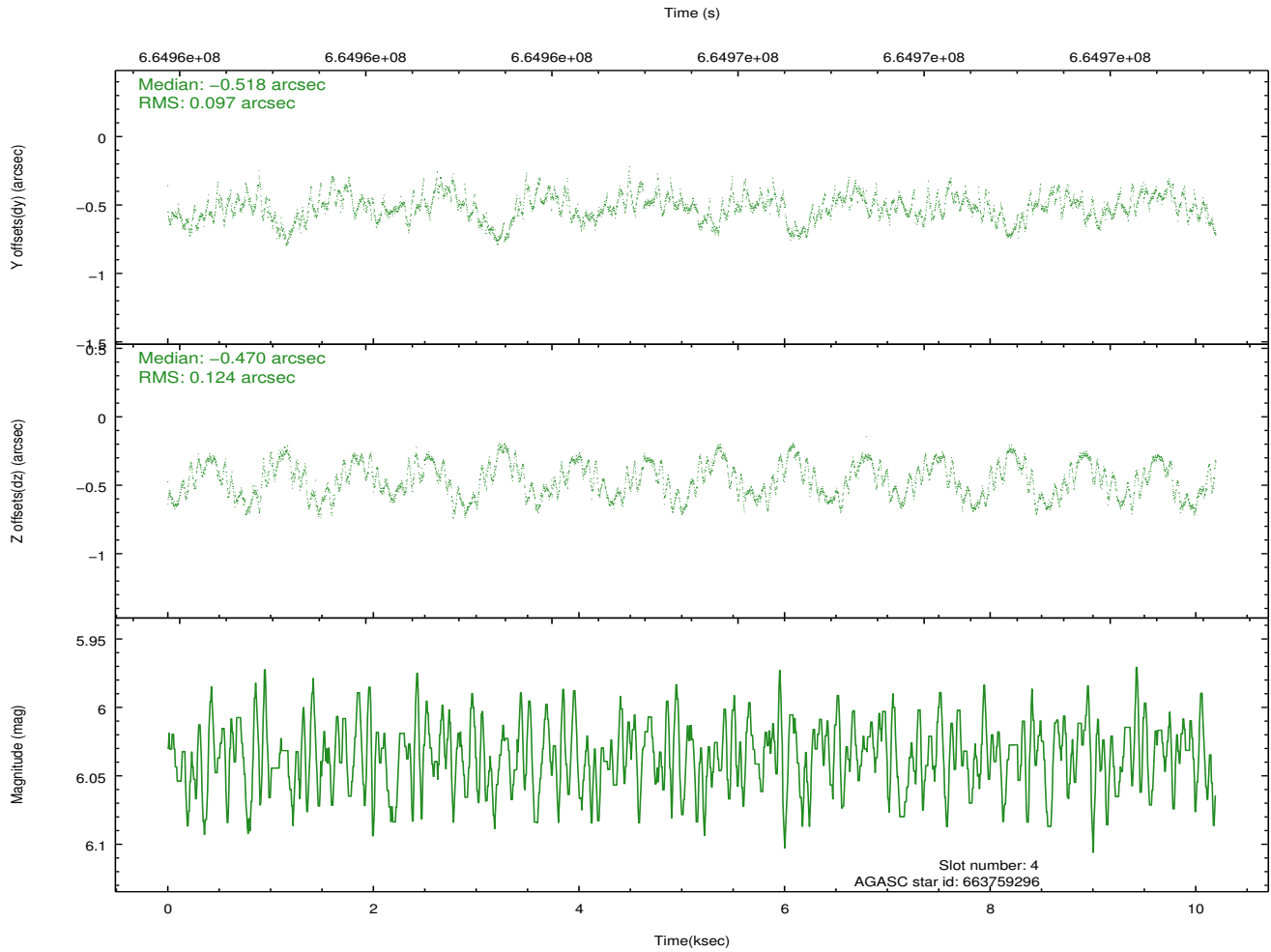
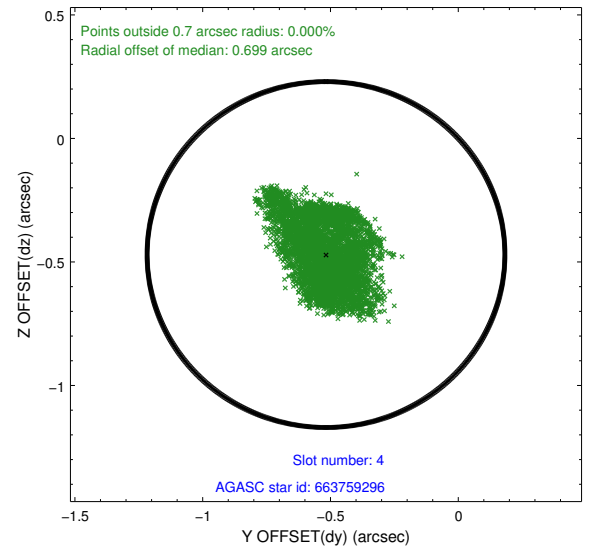
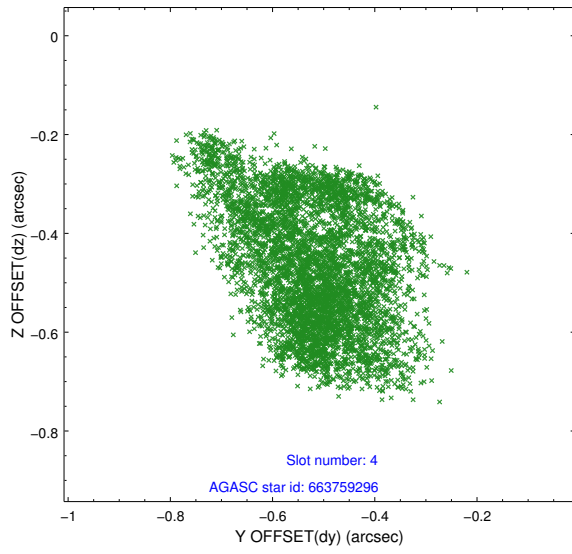
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-3	7.33	2488	1.000	-0.221	-0.205	0.011	0.016	0.000000	0.000000	42.36	-1873
1	FID		ACIS-S-4	7.21	2487	1.000	0.731	0.213	0.009	0.027	0.000000	0.000000	2143.44	163
2	FID		ACIS-S-5	7.20	2488	1.000	-0.540	0.002	0.012	0.020	0.000000	0.000000	-1823.38	157
3	GUIDE	used	663751632	8.16	4970	1.000	0.079	0.298	0.117	0.202	256.698884	-1.258966	1616.96	-1078
4	GUIDE	used	663759296	6.03	4975	1.000	-0.518	-0.470	0.171	0.266	256.384413	-0.892070	2421.39	462
5	GUIDE	used	664284816	9.07	4962	1.000	0.398	0.371	0.181	0.280	256.401924	-1.940246	-1056.10	-999
6	OMITTED			0.00	0	0.000	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0
7	GUIDE	used	663756040	9.62	4930	1.000	0.032	-0.189	0.258	0.434	255.566250	-1.848255	-1871.02	1913

2.4 Star Slots

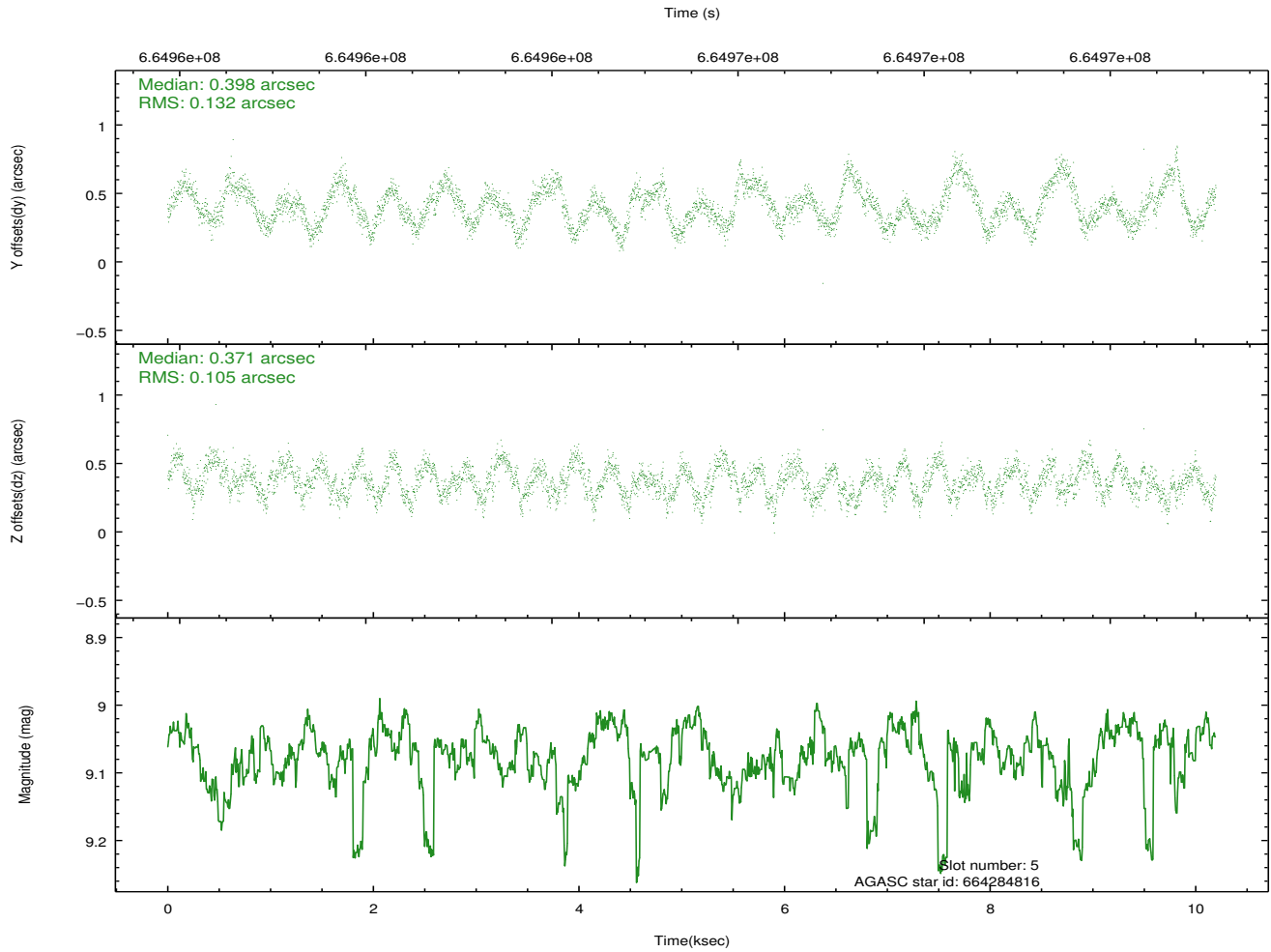
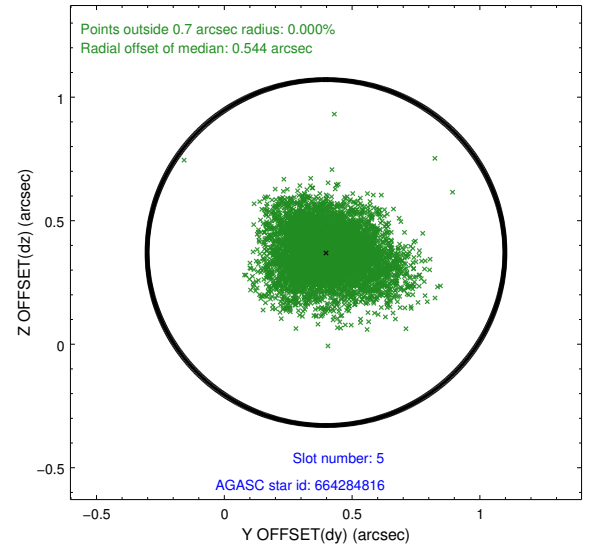
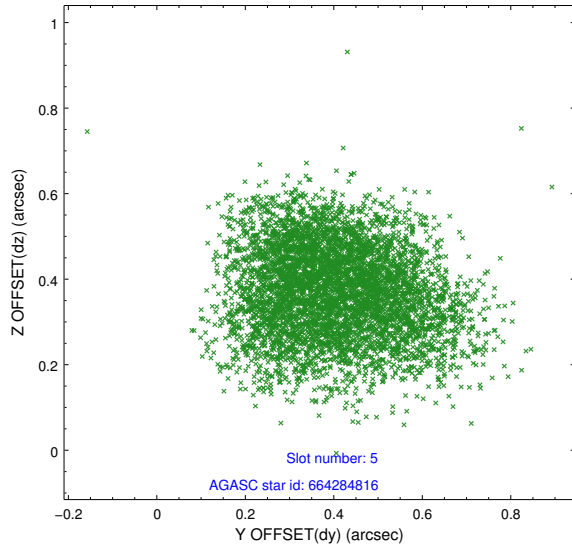
2.4.1 Slot 3



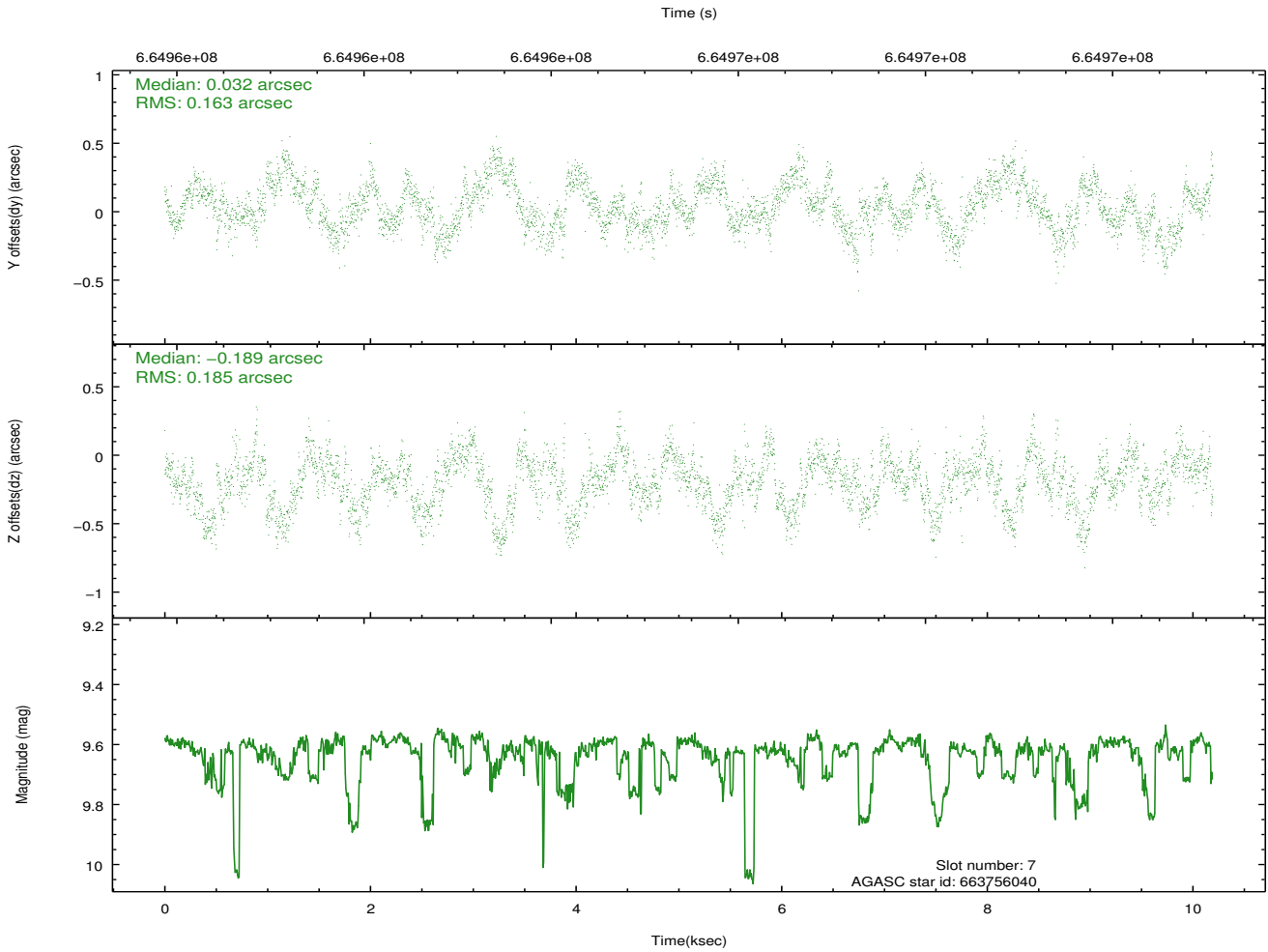
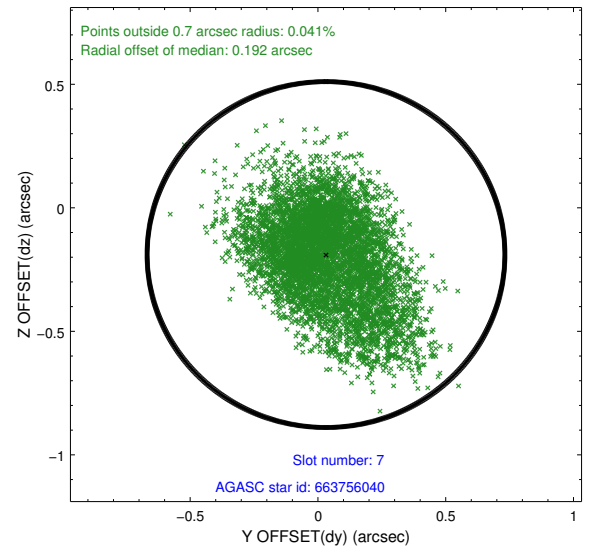
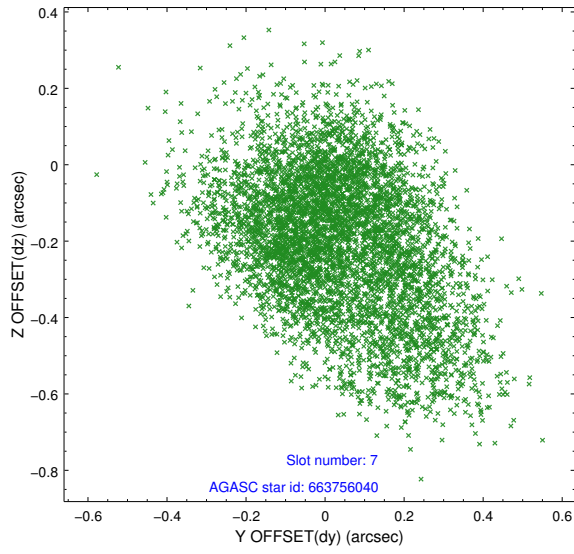
2.4.2 Slot 4



2.4.3 Slot 5

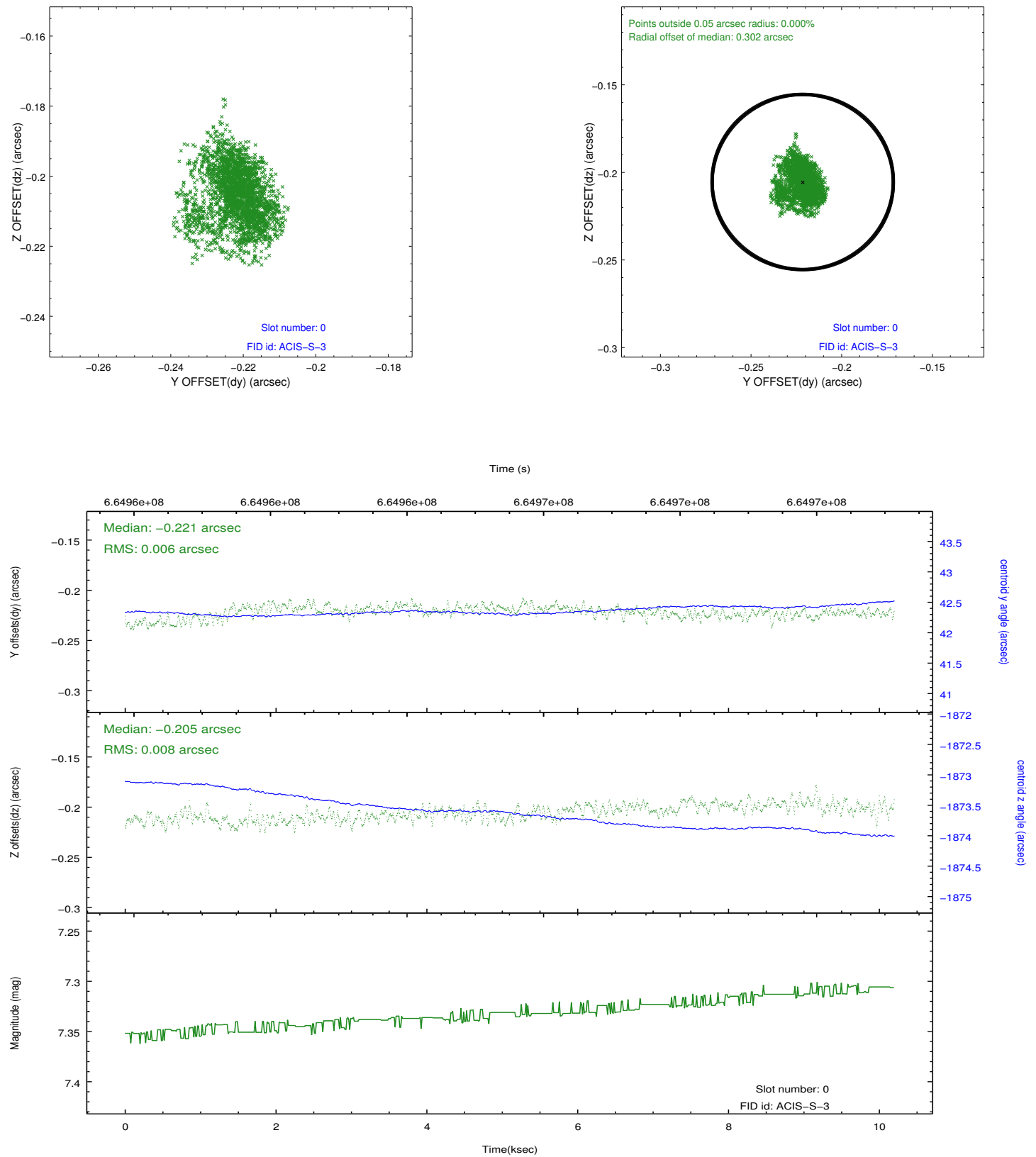


2.4.4 Slot 7

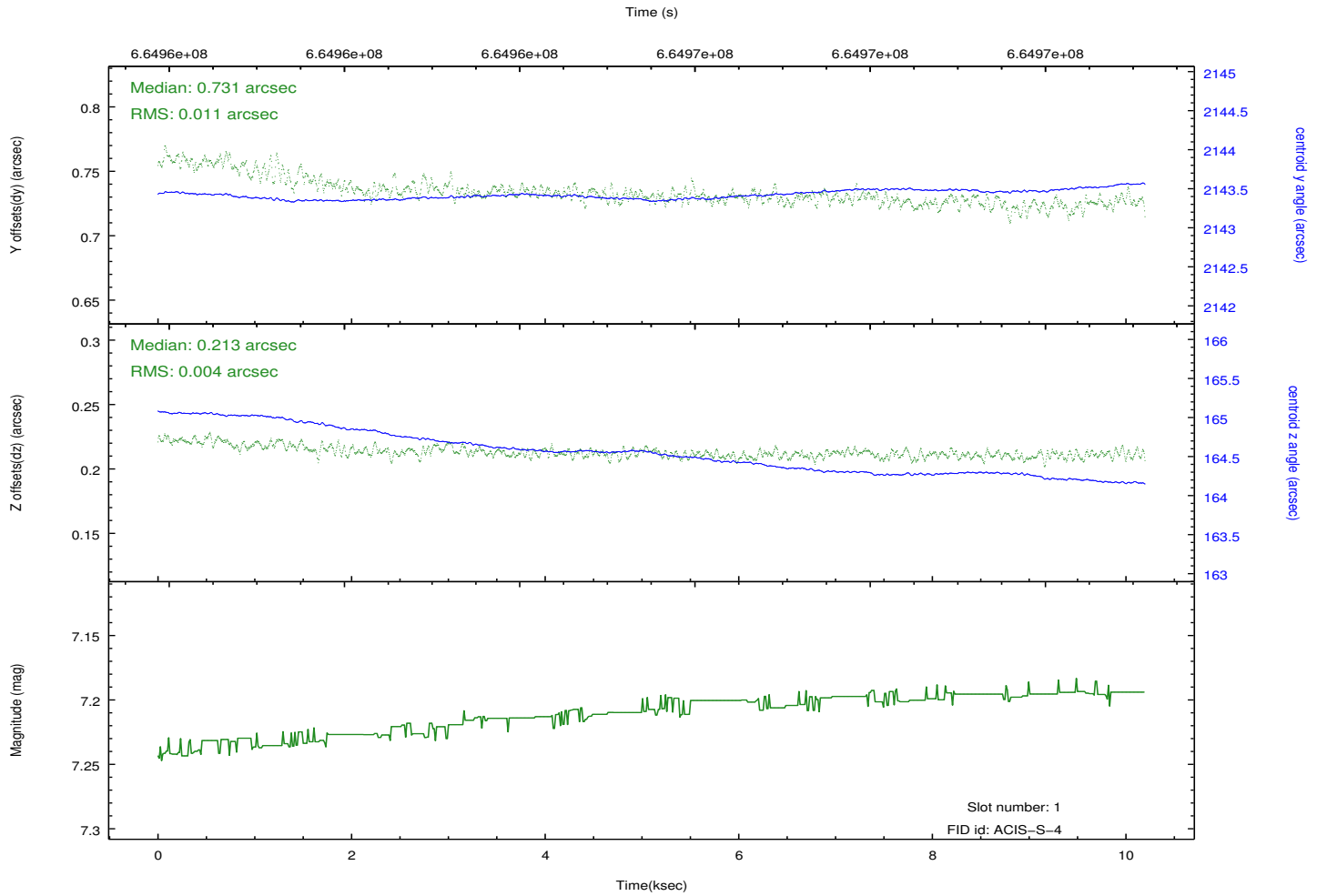
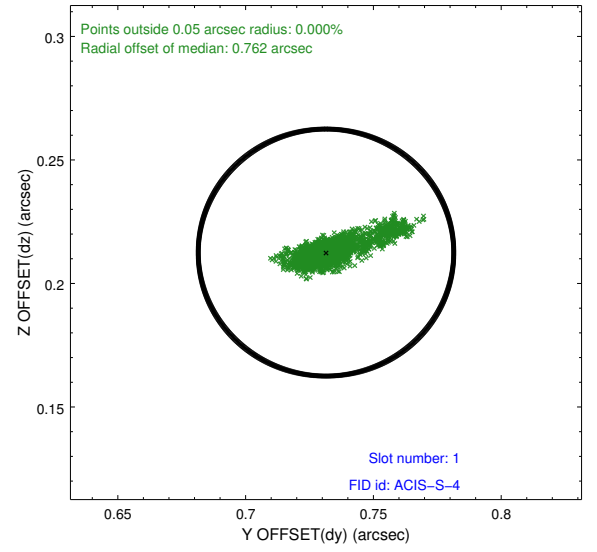
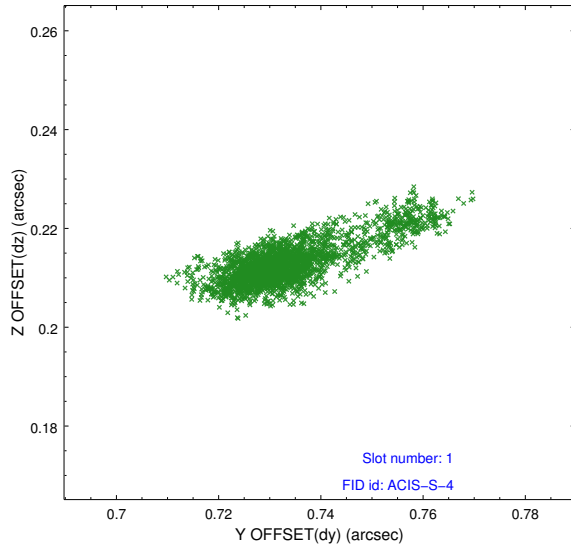


2.5 FID Slots

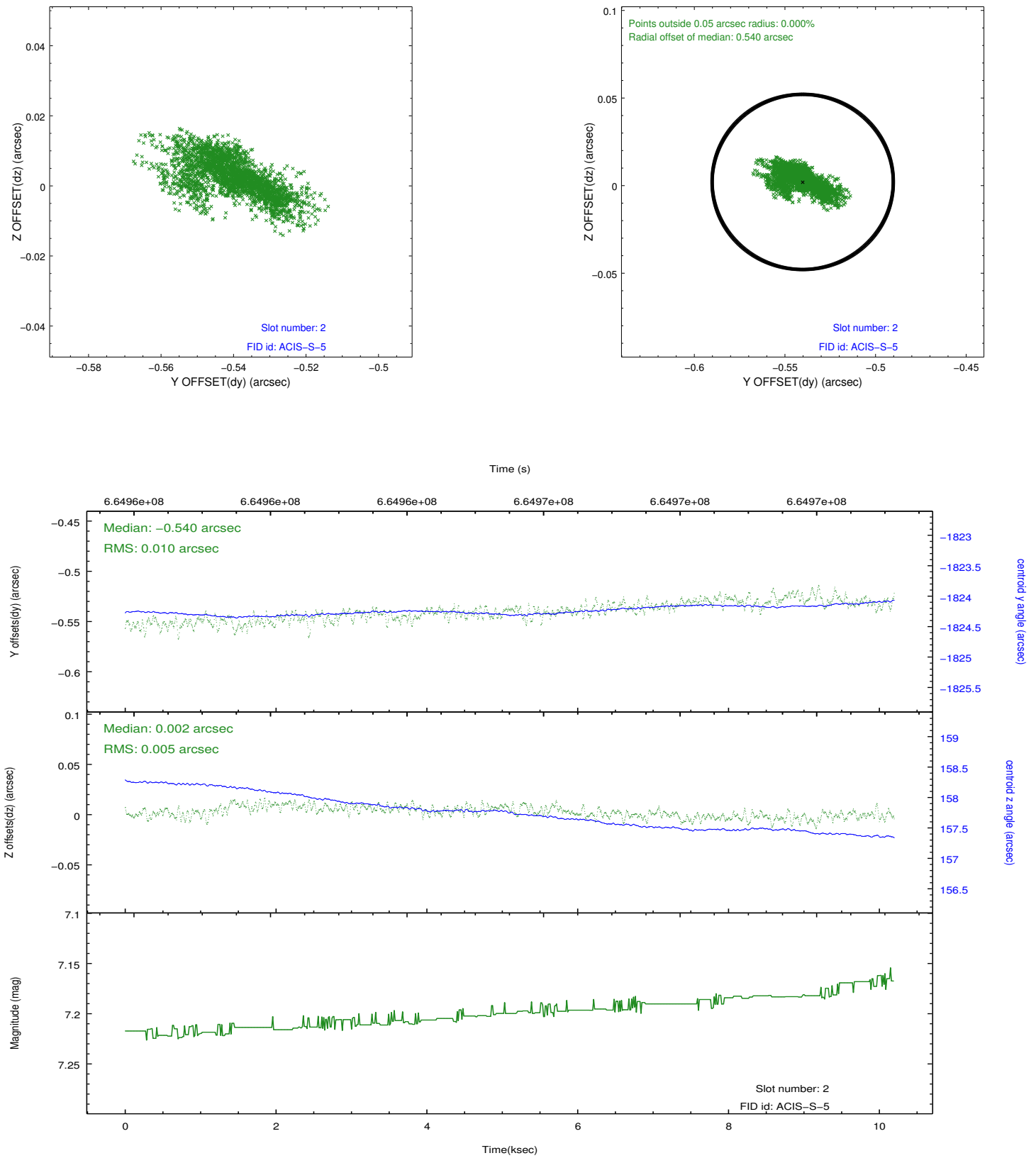
2.5.1 Slot 0



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)	2019.01.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.963

A.2 Comments

The guide star in slot 6 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.