

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 22249 - L2 Version 1
Chandra X-Ray Center

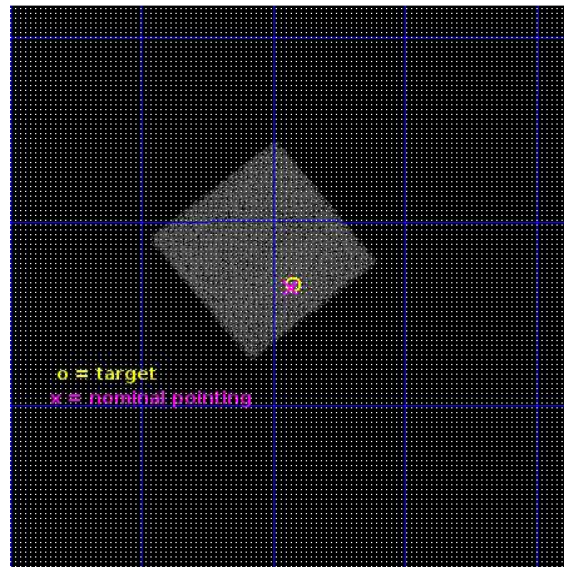
L2 Processing Date : Jun 7 2019

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1 Front

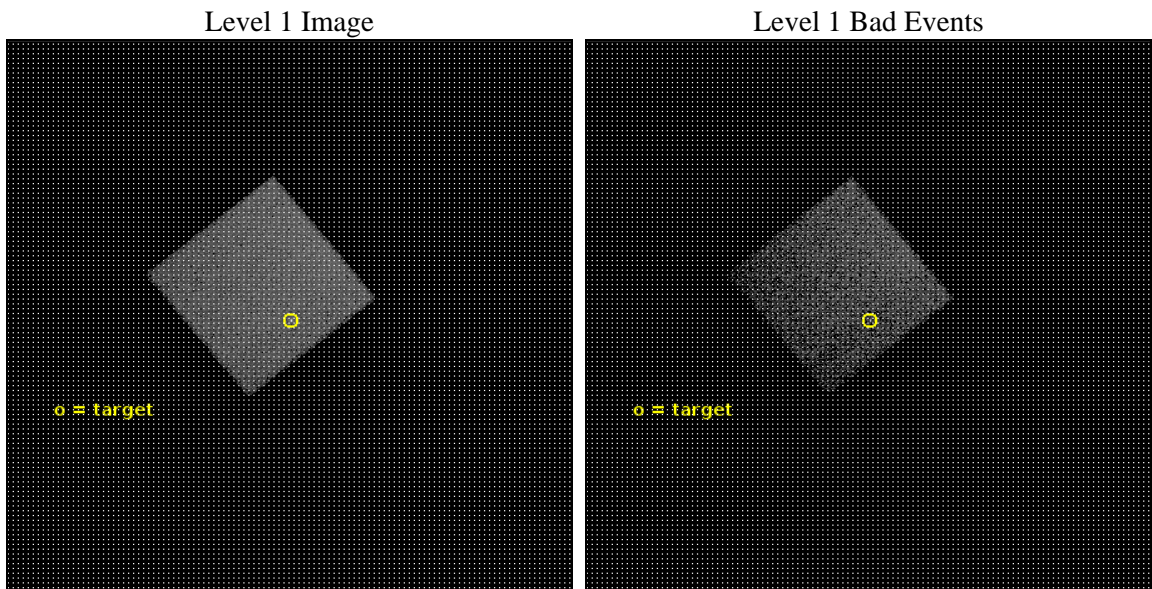
seq_num	703900	Sequence number
obs_id	22249	Observation id
title	C-BASS: A Chandra Legacy Survey of AGN at the Highest Spatial Resolutions	Proposal title
observer	Michael Koss	Principal investigator
object	ESO499-41	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	151.480743	Observer's specified target RA [deg]
dec_targ	-23.056906	Observer's specified target Dec [deg]
ra_nom	151.4825907543	Nominal RA [deg]
dec_nom	-23.060157051629	Nominal Dec [deg]
roll_nom	231.15729439205	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10092.0	Sum of GTIs [s]
livetime	9955.8045931655	Livetime [s]
ontime7	10092.0	Sum of GTIs [s]
l2events	43901	Number of level 2 events



2 OBI

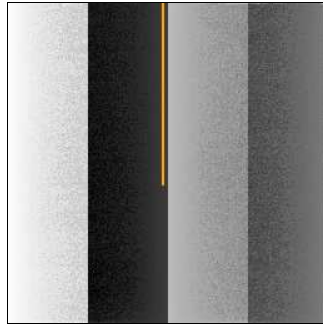
2.1 OBI

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	10092.0	Sum of GTIs [s]
caldsver	4.8.3	 	ontime7	10092.0	Sum of GTIs [s]
date	2019-06-07T13:24:17	Date and time of file creation	l1events	101257	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

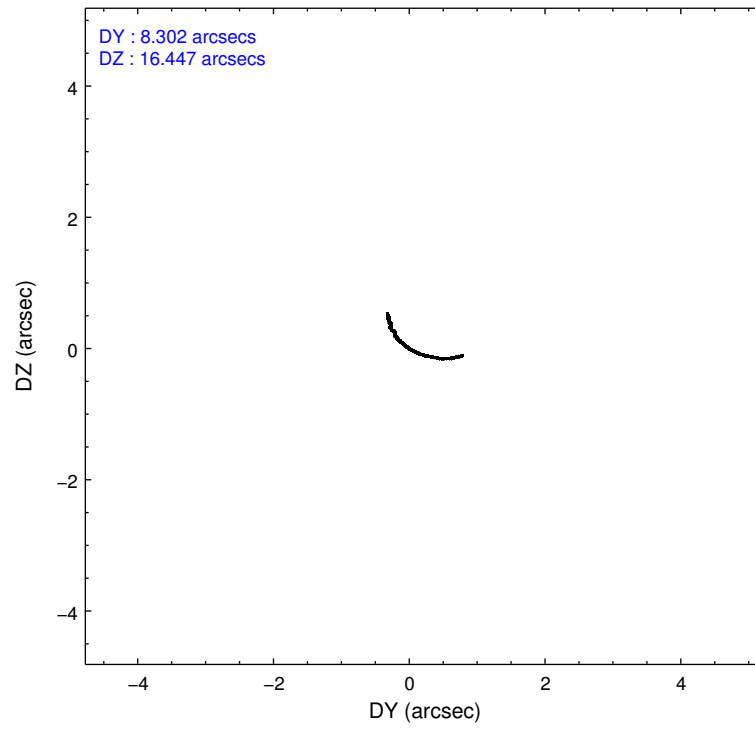
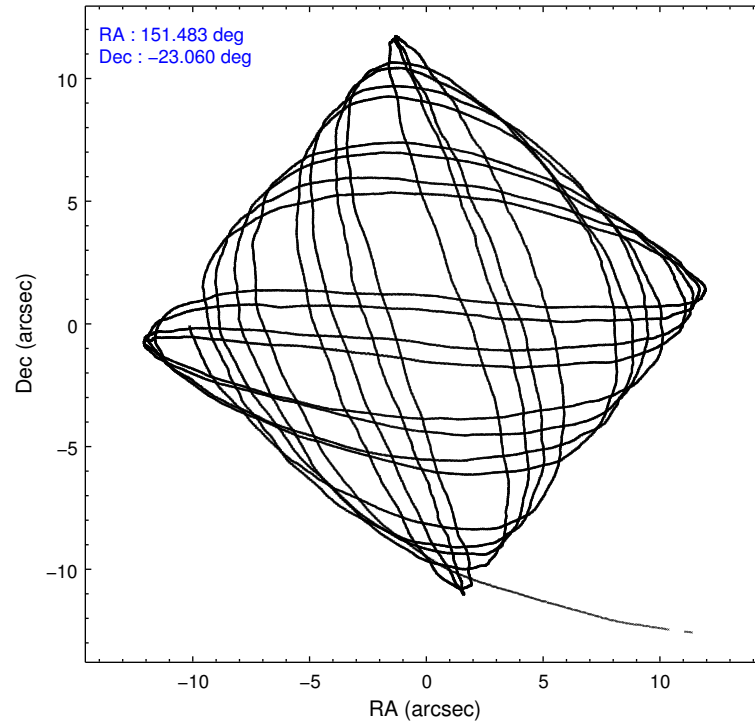
	ccd 7
level 1 events	101257
rejected events	56214
rejected %	55%

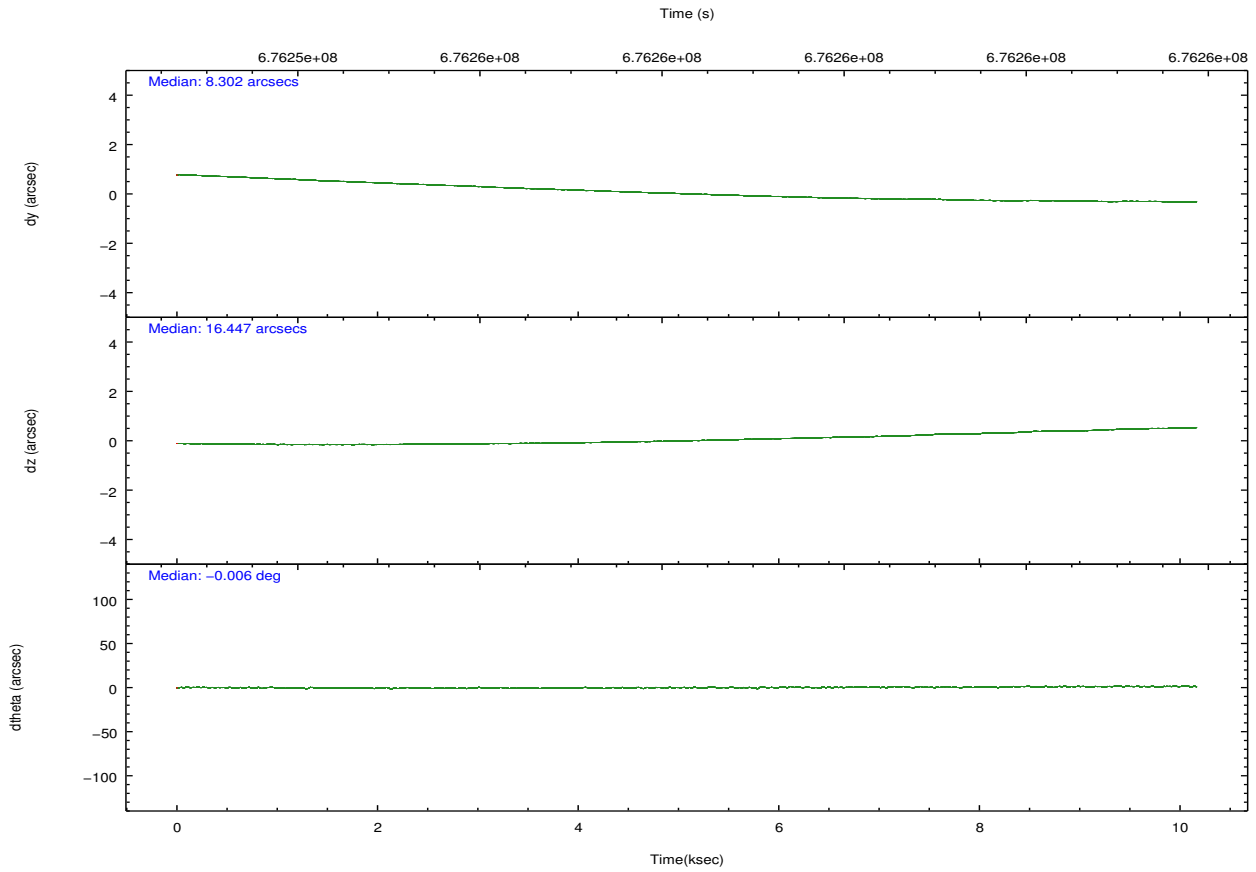
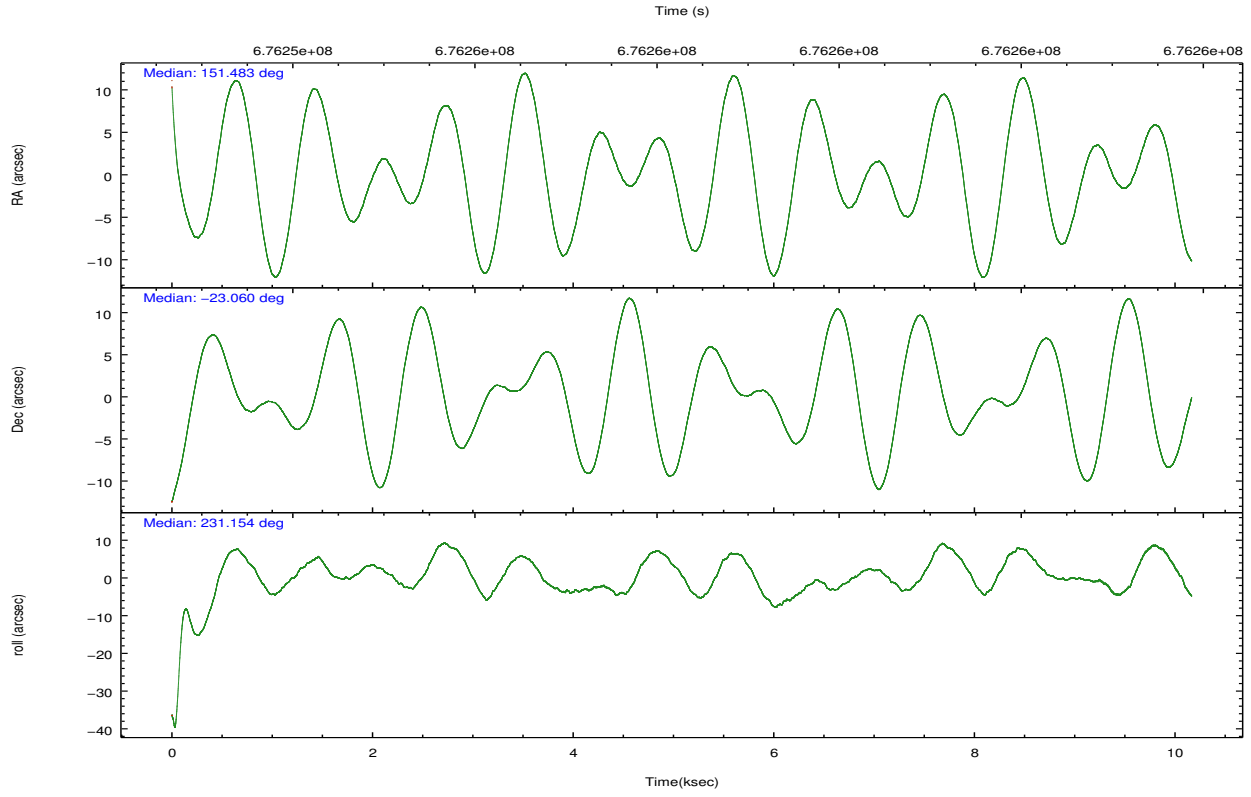
	ccd 7
grade 0 events	3913
	3%
grade 1 events	192
	0%
grade 2 events	9499
	9%
grade 3 events	3565
	3%
grade 4 events	3460
	3%
grade 5 events	9668
	9%
grade 6 events	24618
	24%
grade 7 events	46342
	45%

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	151.486800	151.4825907542955	Subarray requested	NONE	NONE
[deg] Pointing Dec	-23.032950	-23.06015705162944	Alternating exposures requested	N	N
[deg] Pointing Roll	231.002373	231.1572943920477	[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)	676253356.184000	676252100.47356			
Observation start date	2019-06-07T00:08:07	2019-06-06T23:48:20			
[s] Observation end time (MET)	676263356.184000	676264434.2993			
Observation end date	2019-06-07T02:54:47	2019-06-07T03:13:54			
Read mode	TIMED	TIMED			

2.3 Aspect



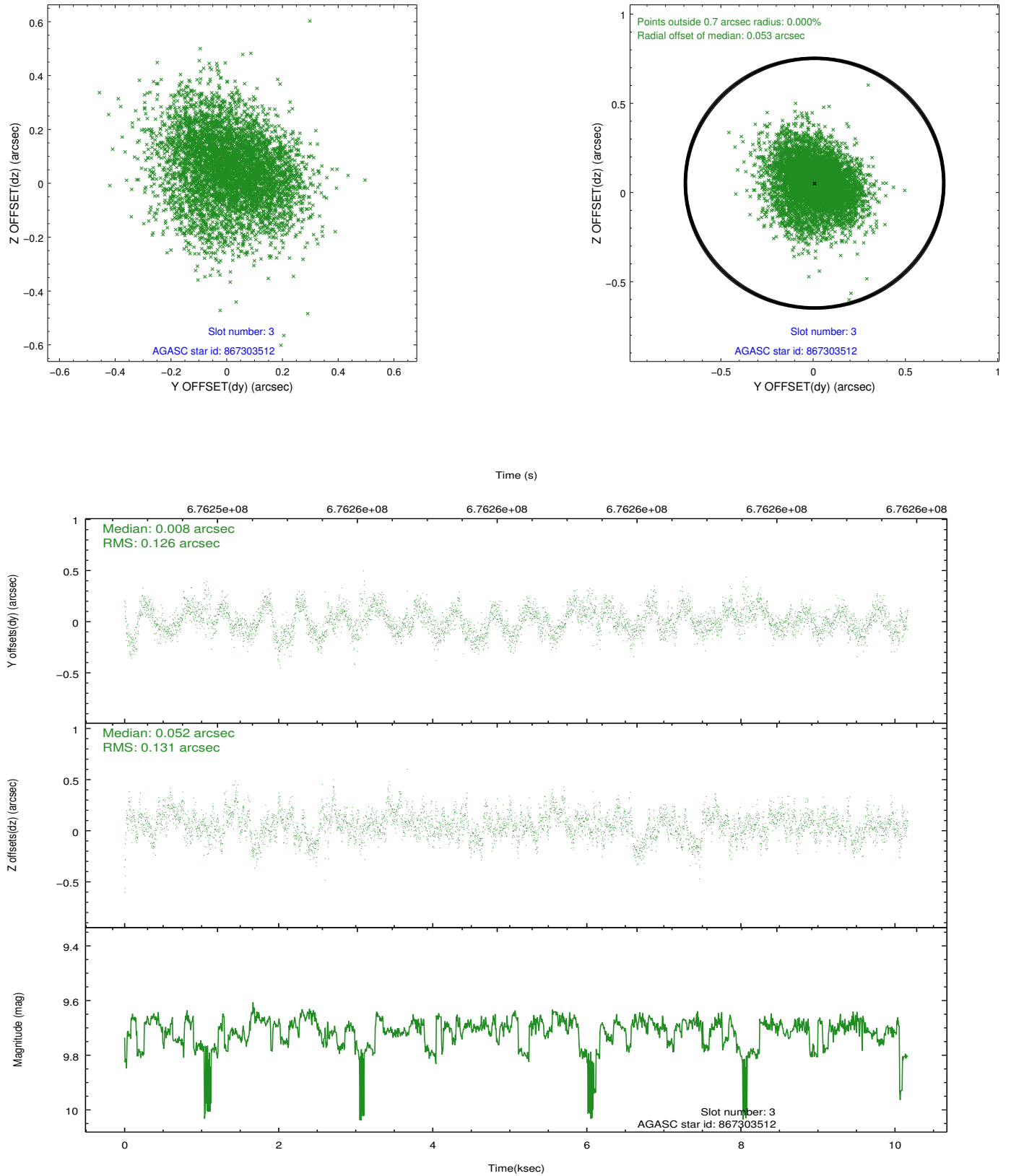


Slot Statistics

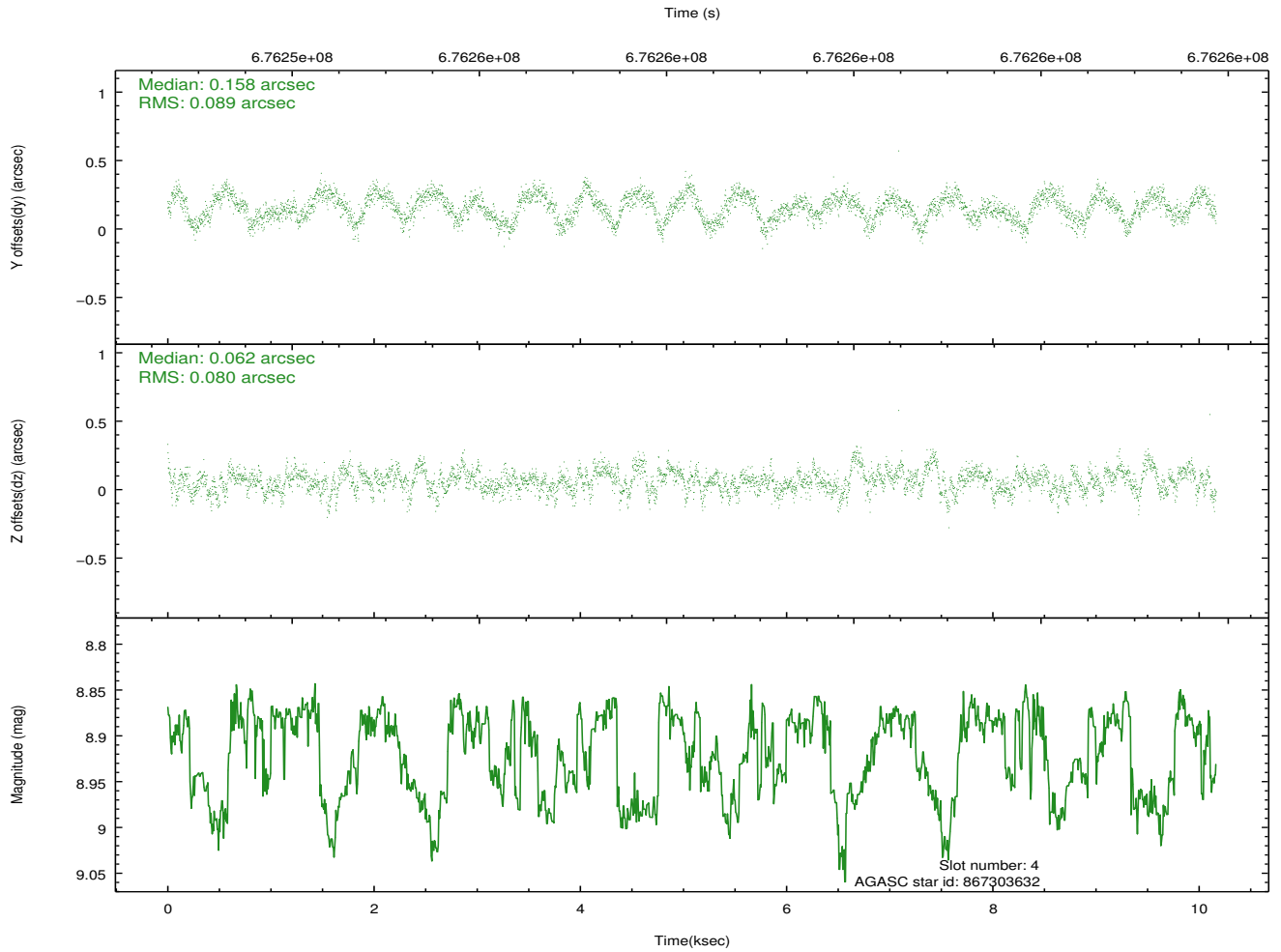
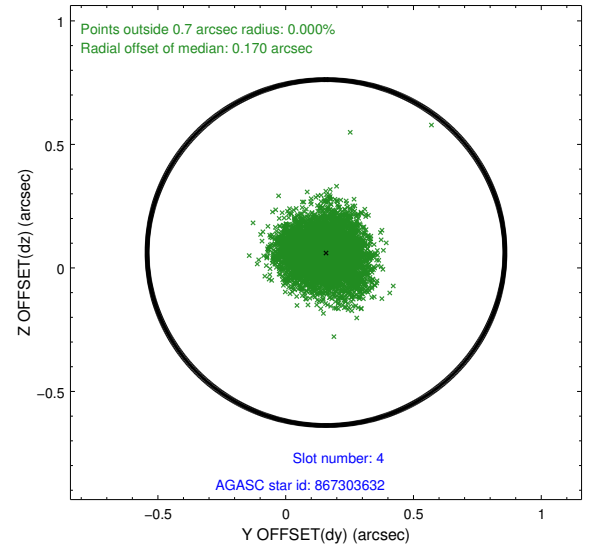
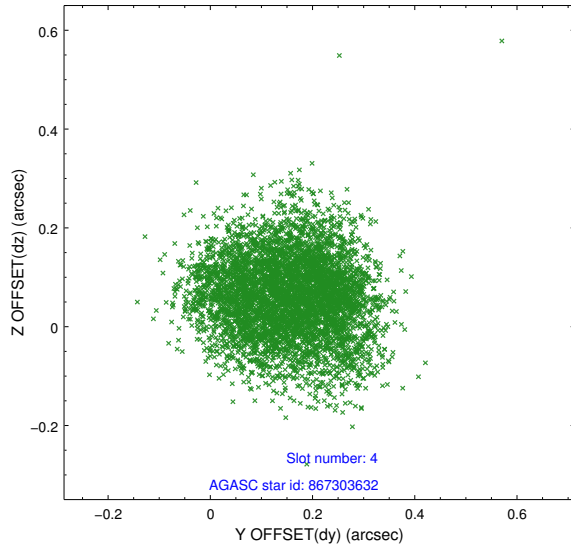
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	2480	1.000	-0.255	-0.133	0.009	0.014	0.000000	0.000000	-761.38	-1738
1	FID		ACIS-S-4	7.24	2480	1.000	0.638	0.159	0.025	0.036	0.000000	0.000000	2152.50	170
2	FID		ACIS-S-5	7.20	2480	1.000	-0.413	-0.018	0.021	0.031	0.000000	0.000000	-1813.77	164
3	GUIDE	used	867303512	9.71	4945	1.000	0.008	0.052	0.195	0.311	151.265619	-22.985839	328.82	-675
4	GUIDE	used	867303632	8.92	4955	1.000	0.158	0.062	0.129	0.198	151.344672	-22.710605	-603.97	-1096
5	GUIDE	used	867303768	7.25	4958	1.000	-0.002	0.244	0.094	0.149	151.078933	-22.559113	-470.69	-2125
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	867313144	9.07	4953	1.000	-0.160	-0.347	0.142	0.221	151.735603	-23.543354	911.75	1793

2.4 Star Slots

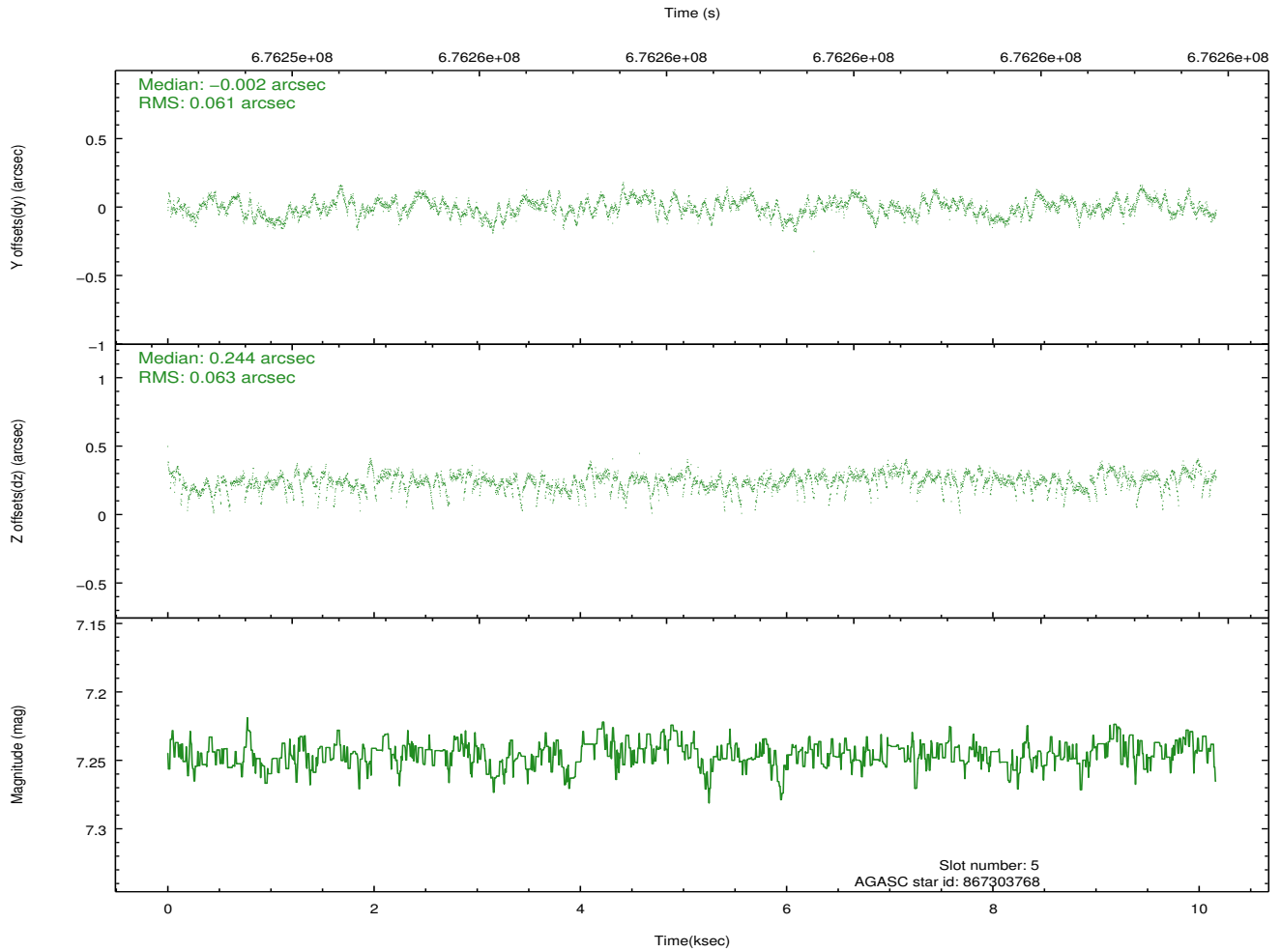
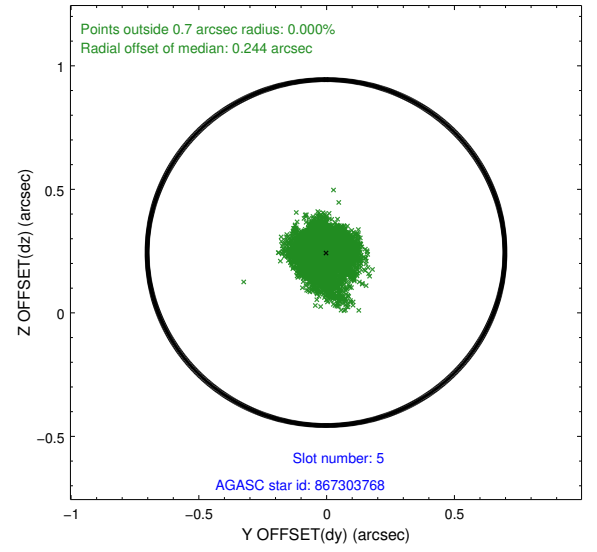
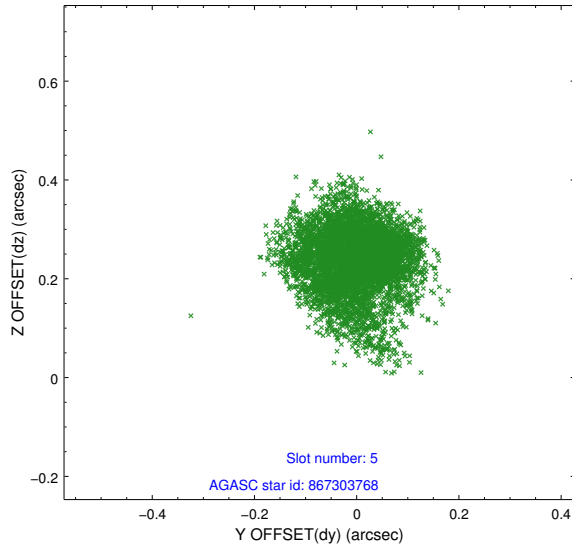
2.4.1 Slot 3



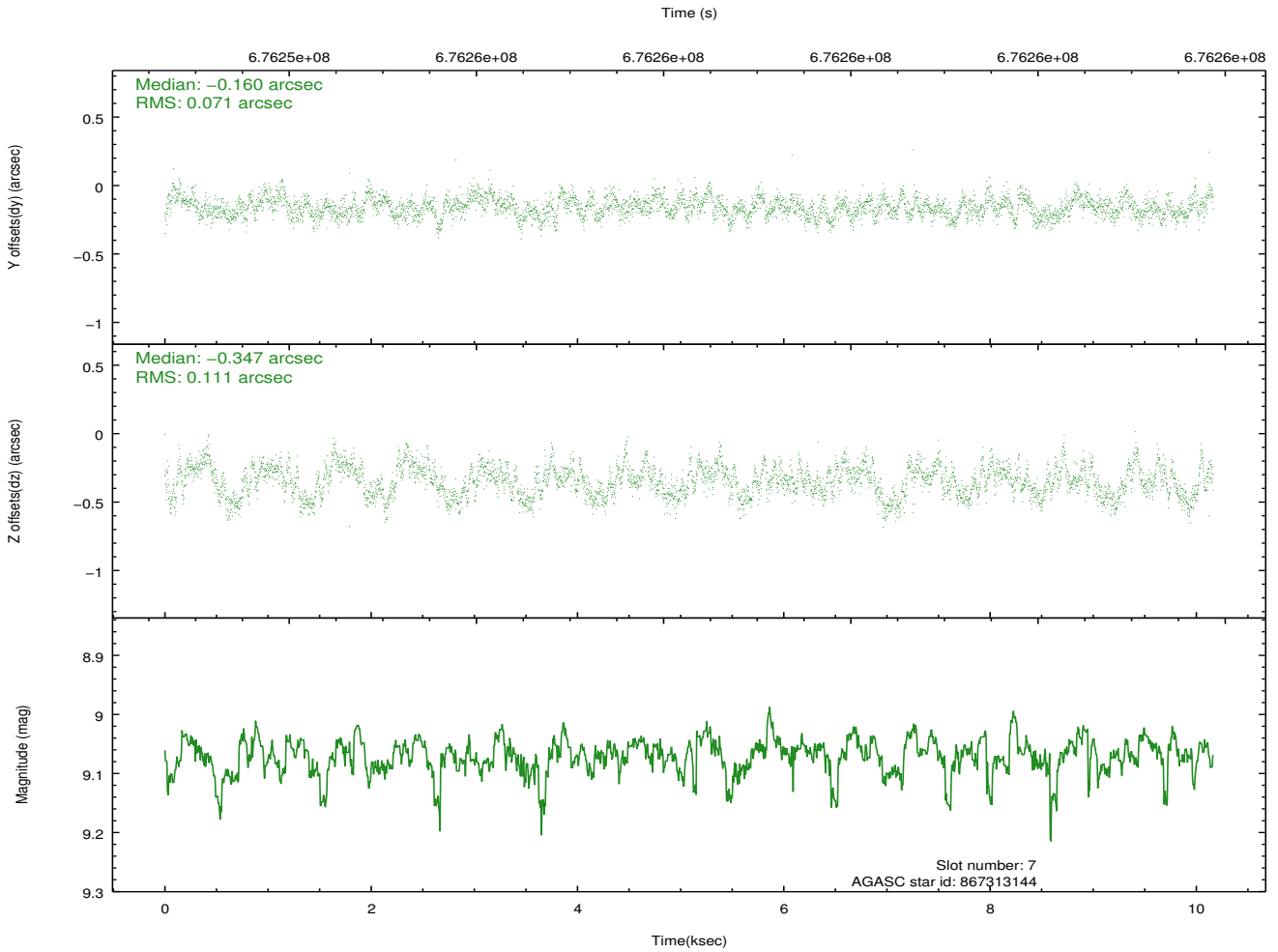
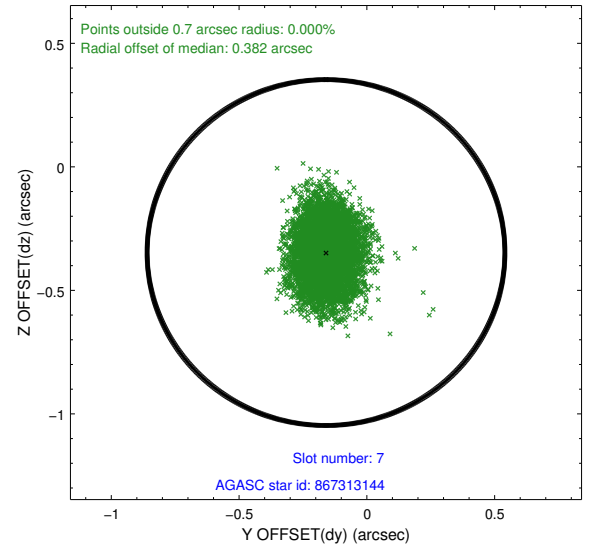
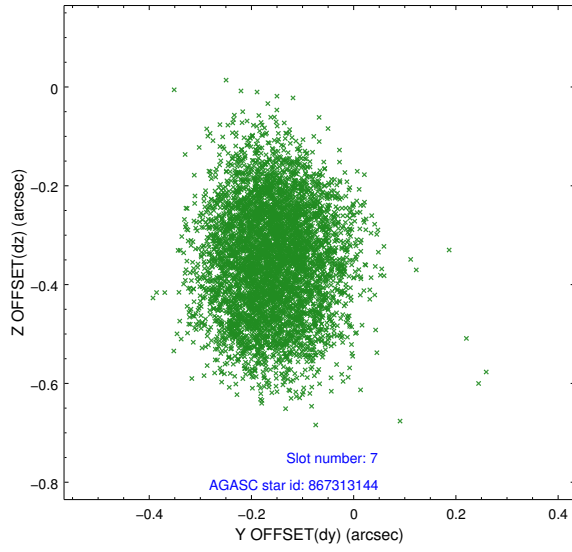
2.4.2 Slot 4



2.4.3 Slot 5

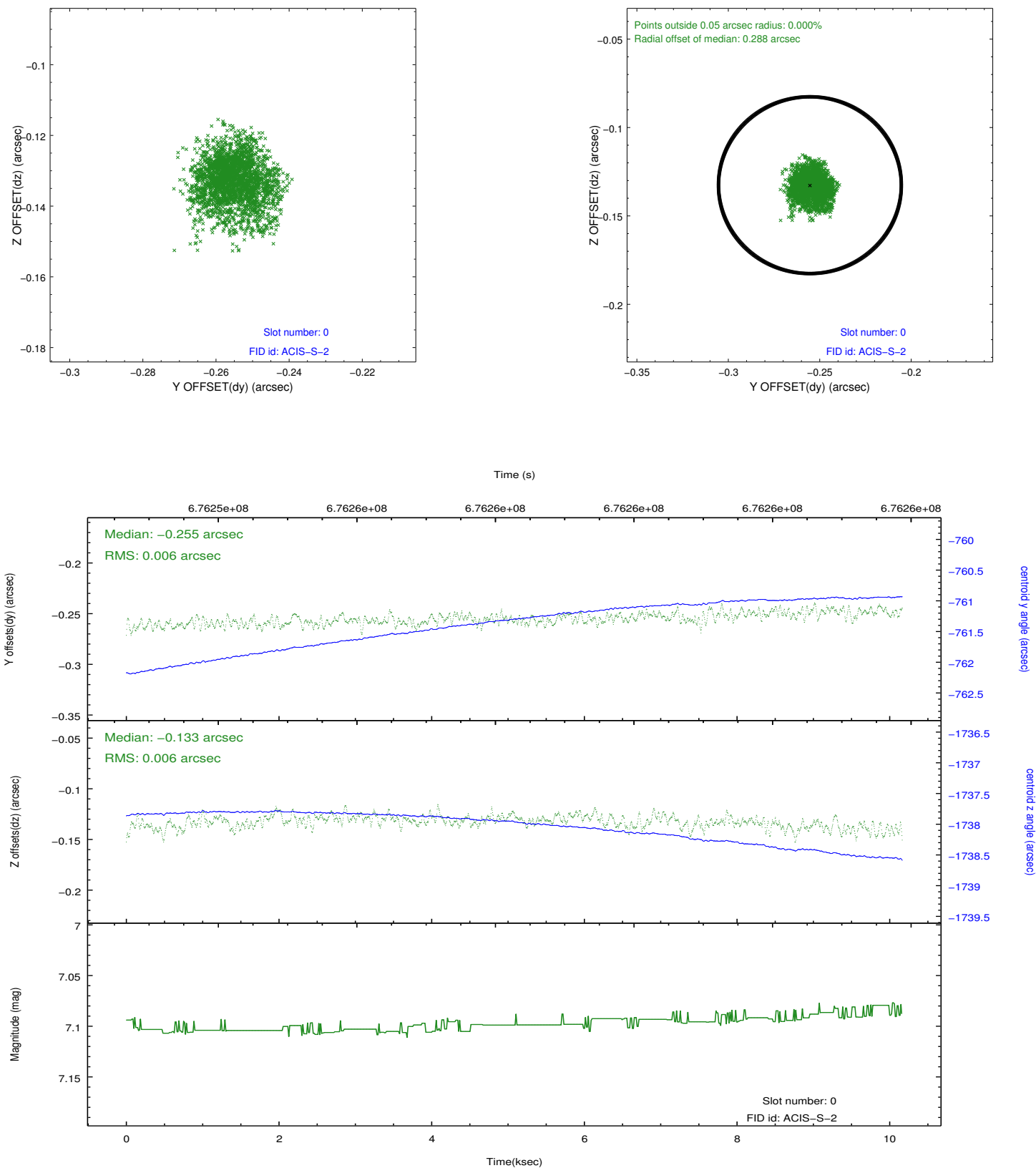


2.4.4 Slot 7

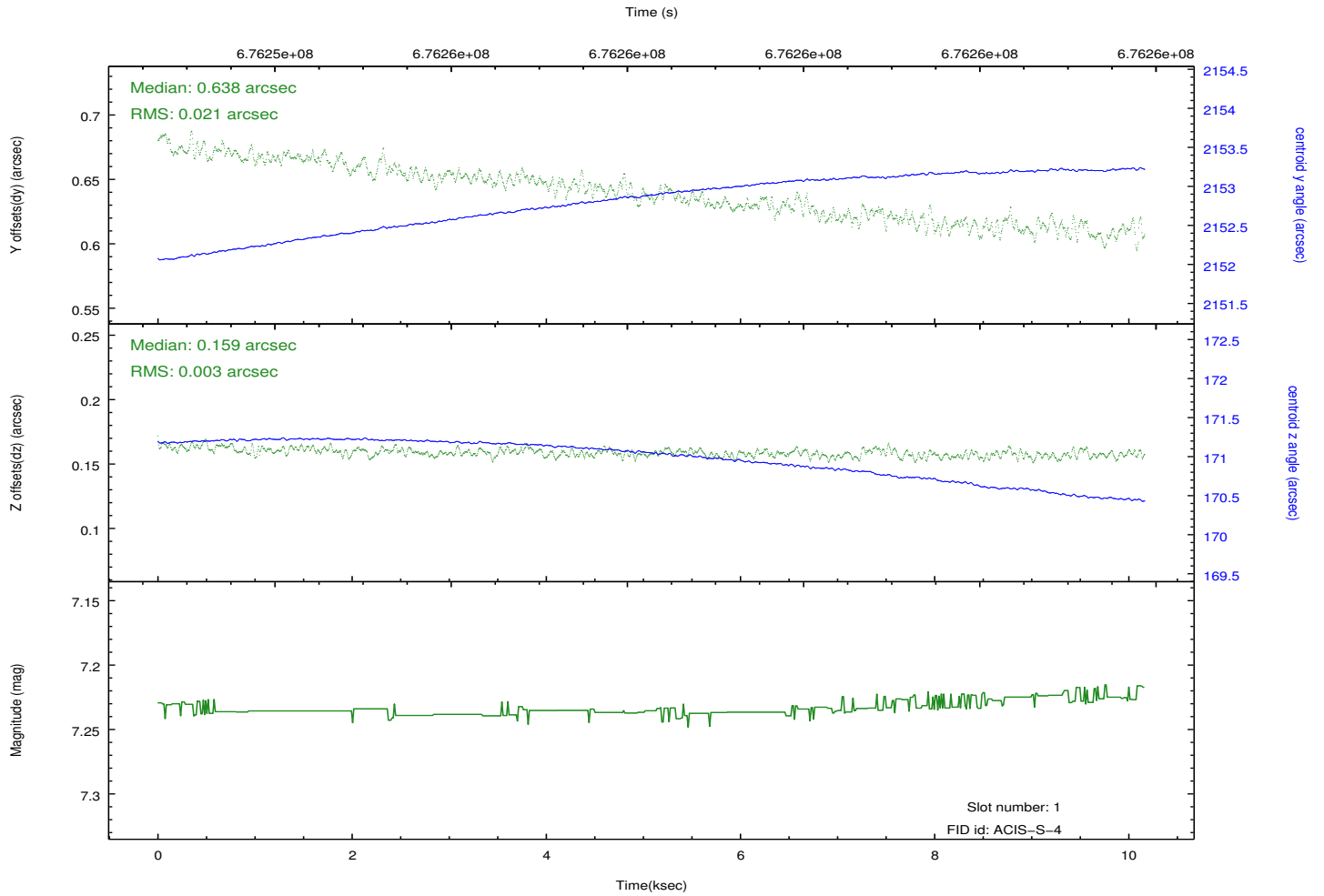
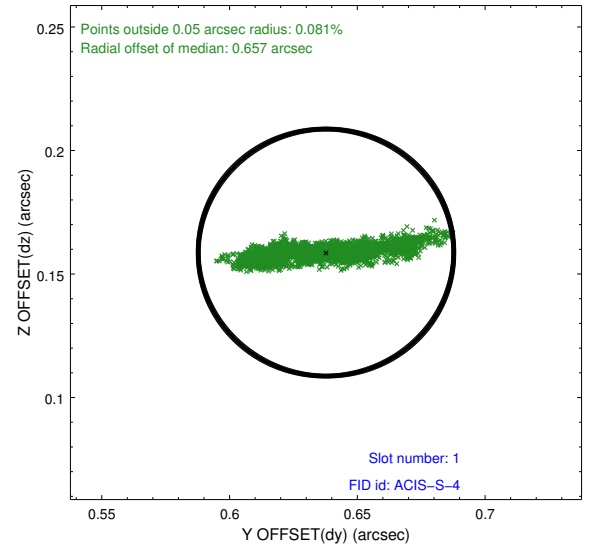
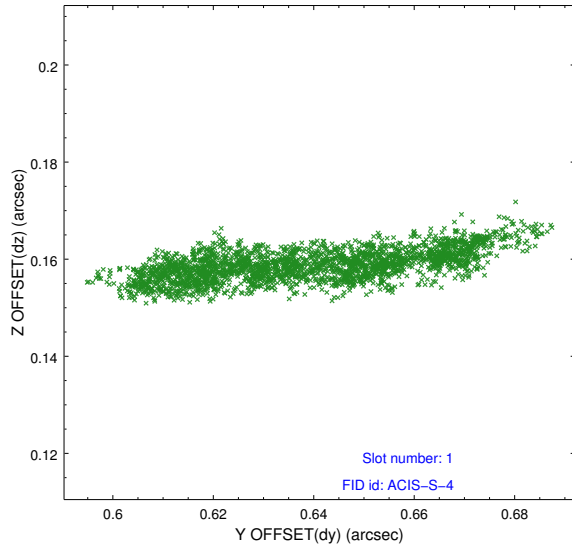


2.5 FID Slots

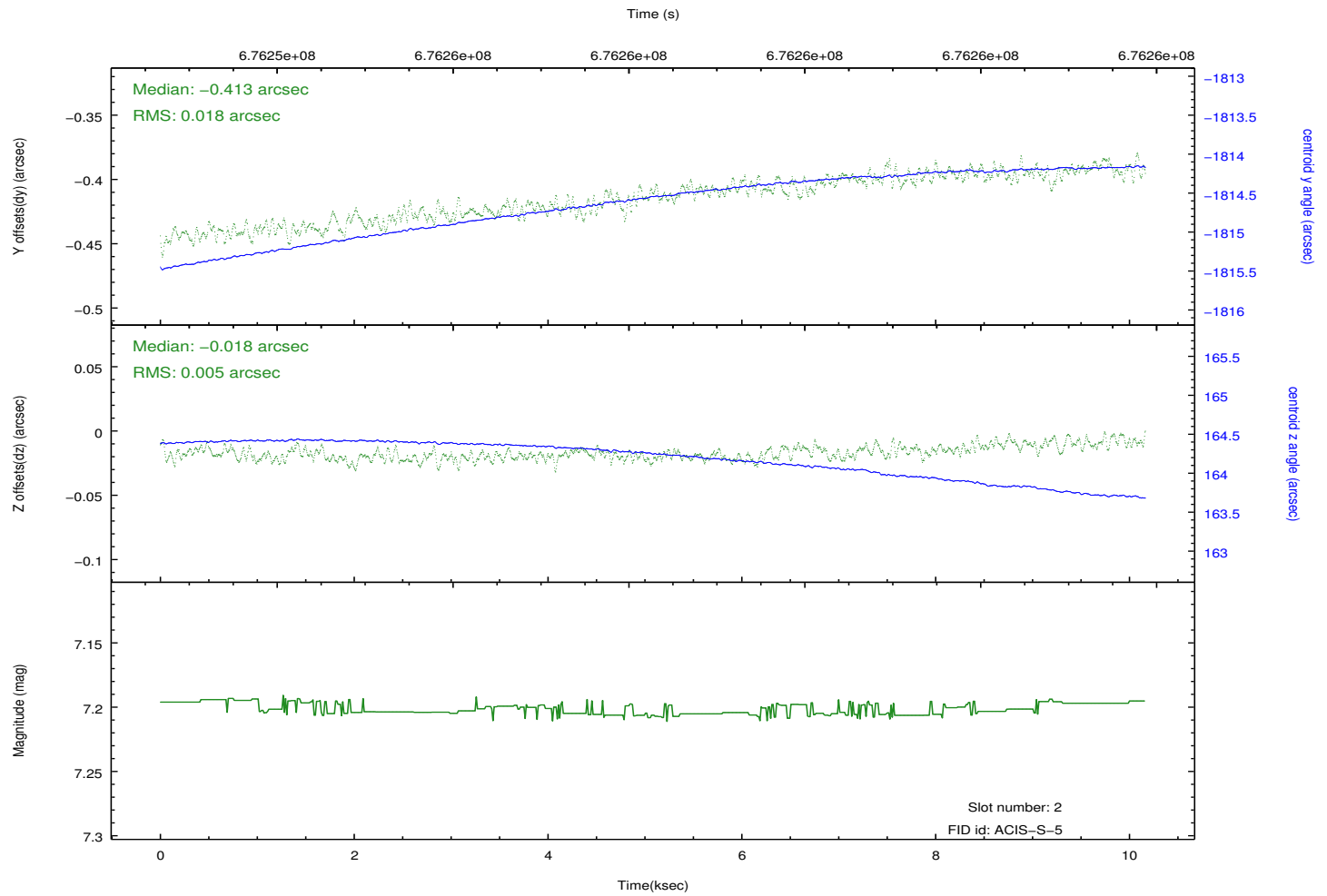
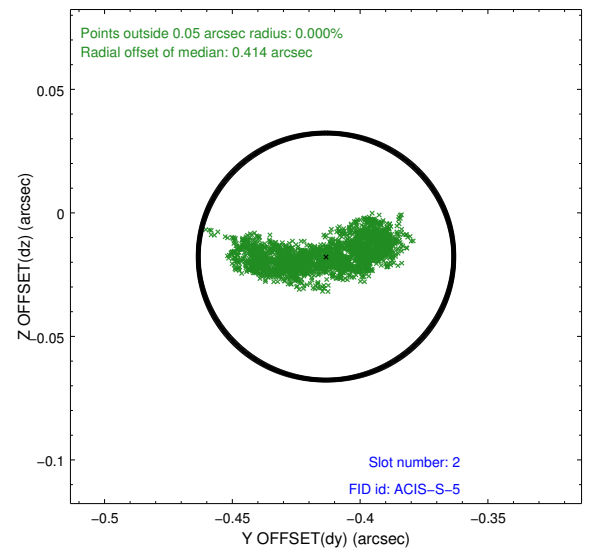
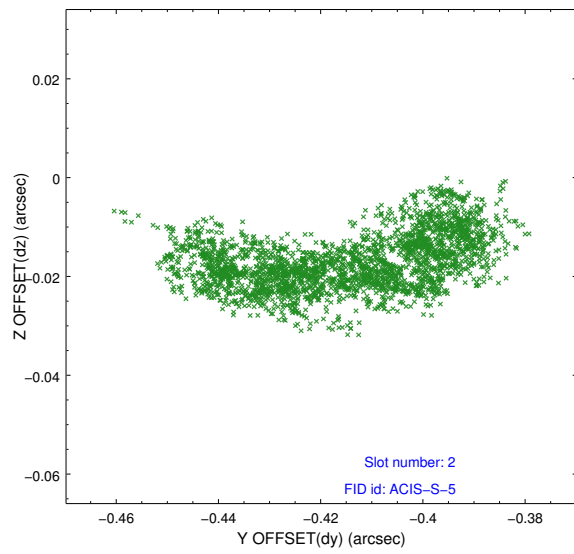
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2019.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.092

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 slot from the solution.