

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 22226 - L2 Version 1
Chandra X-Ray Center

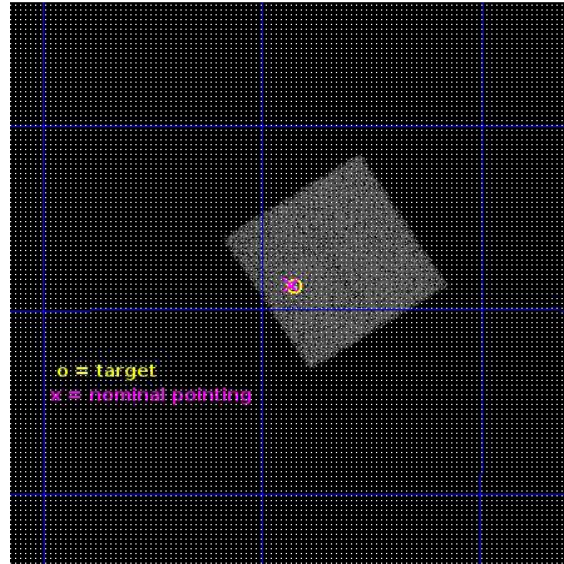
L2 Processing Date : May 19 2019

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

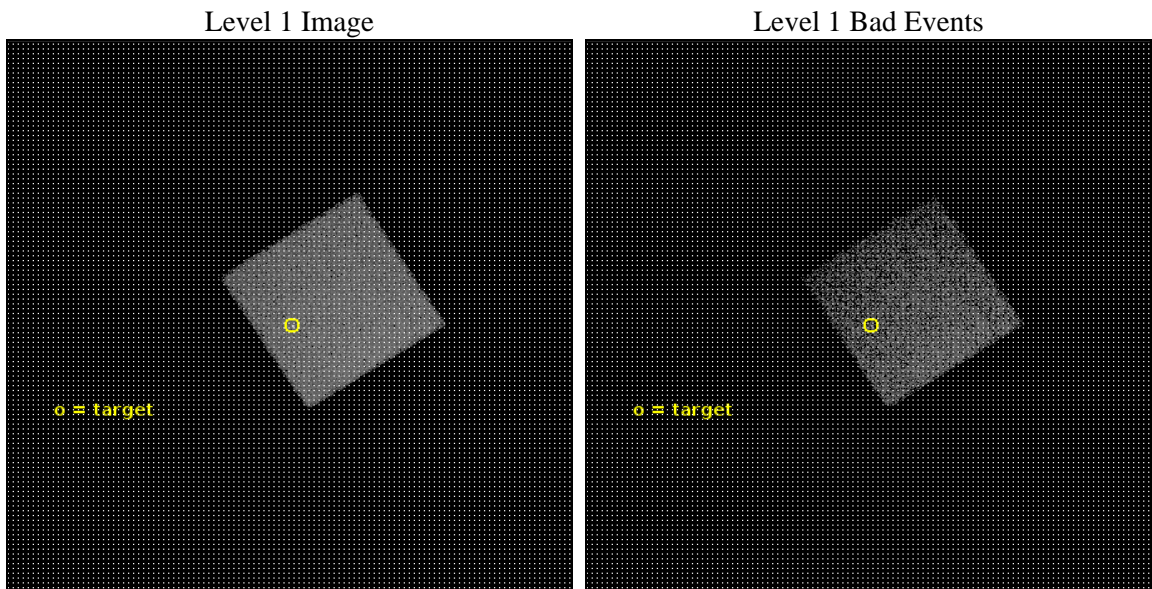
seq_num	703893	Sequence number
obs_id	22226	Observation id
title	C-BASS: A Chandra Legacy Survey of AGN at the Highest Spatial Resolutions	Proposal title
observer	Michael Koss	Principal investigator
object	WISEJ144850.99-400845.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	222.212418	Observer's specified target RA [deg]
dec_targ	-40.146049	Observer's specified target Dec [deg]
ra_nom	222.21668772511	Nominal RA [deg]
dec_nom	-40.144047331712	Nominal Dec [deg]
roll_nom	327.41310978209	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	42179	Number of level 2 events



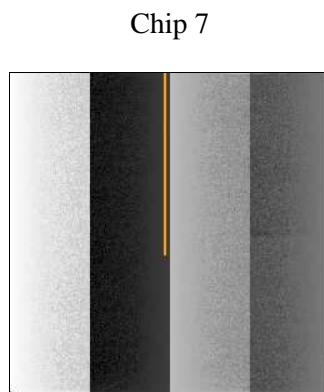
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



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	4.8.2	 	ontime7	10092.0	Sum of GTIs [s]
date	2019-05-19T13:01:31	Date and time of file creation	l1events	96382	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

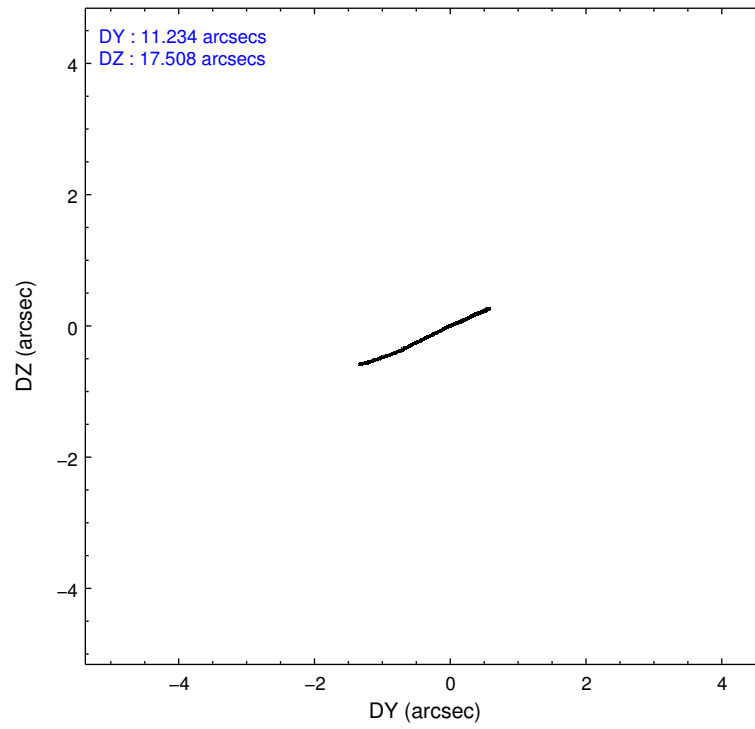
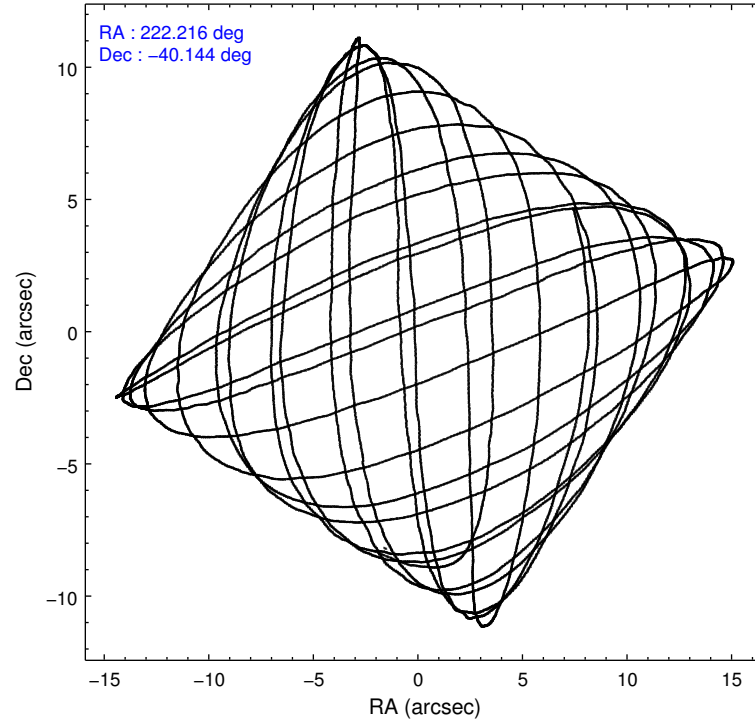
	ccd 7
level 1 events	96382
rejected events	53076
rejected %	55%

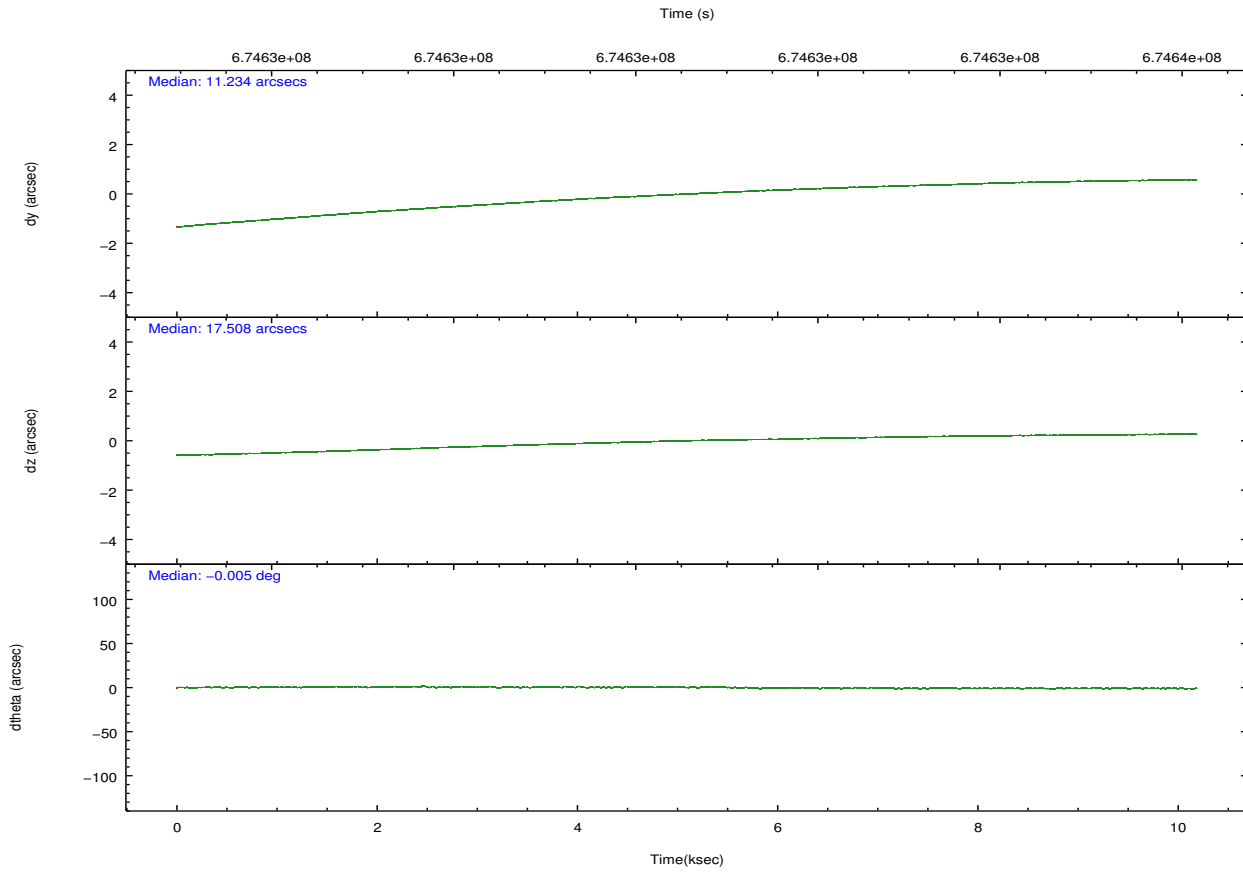
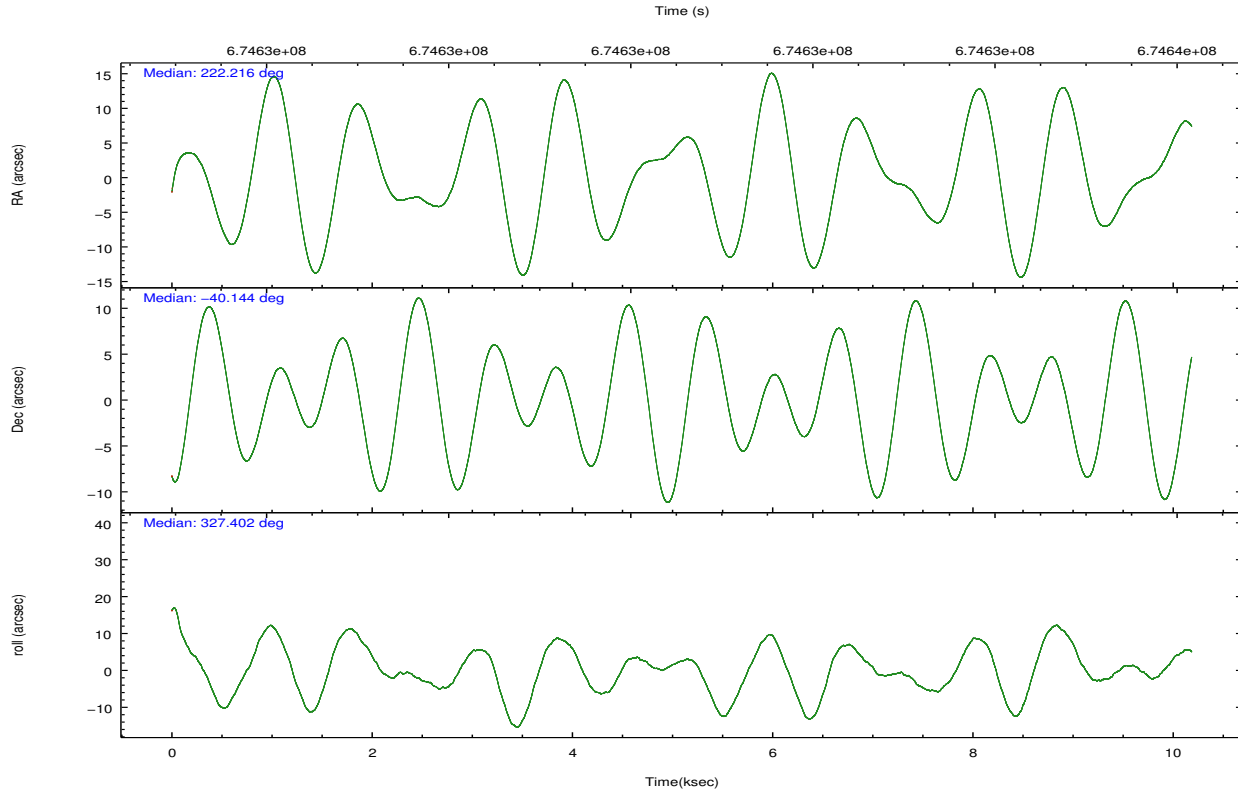
	ccd 7
grade 0 events	3903
	4%
grade 1 events	152
	0%
grade 2 events	9003
	9%
grade 3 events	3458
	3%
grade 4 events	3533
	3%
grade 5 events	9241
	9%
grade 6 events	23433
	24%
grade 7 events	43659
	45%

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	222.180774	222.2166877251146	Subarray requested	NONE	NONE
[deg] Pointing Dec	-40.143149	-40.1440473317117	Alternating exposures requested	N	N
[deg] Pointing Roll	327.233316	327.4131097820871	[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)	674625652.184000	674624783.21351			
Observation start date	2019-05-19T03:59:43	2019-05-19T03:46:23			
[s] Observation end time (MET)	674635652.184000	674636941.76424			
Observation end date	2019-05-19T06:46:23	2019-05-19T07:09:01			
Read mode	TIMED	TIMED			

2.3 Aspect



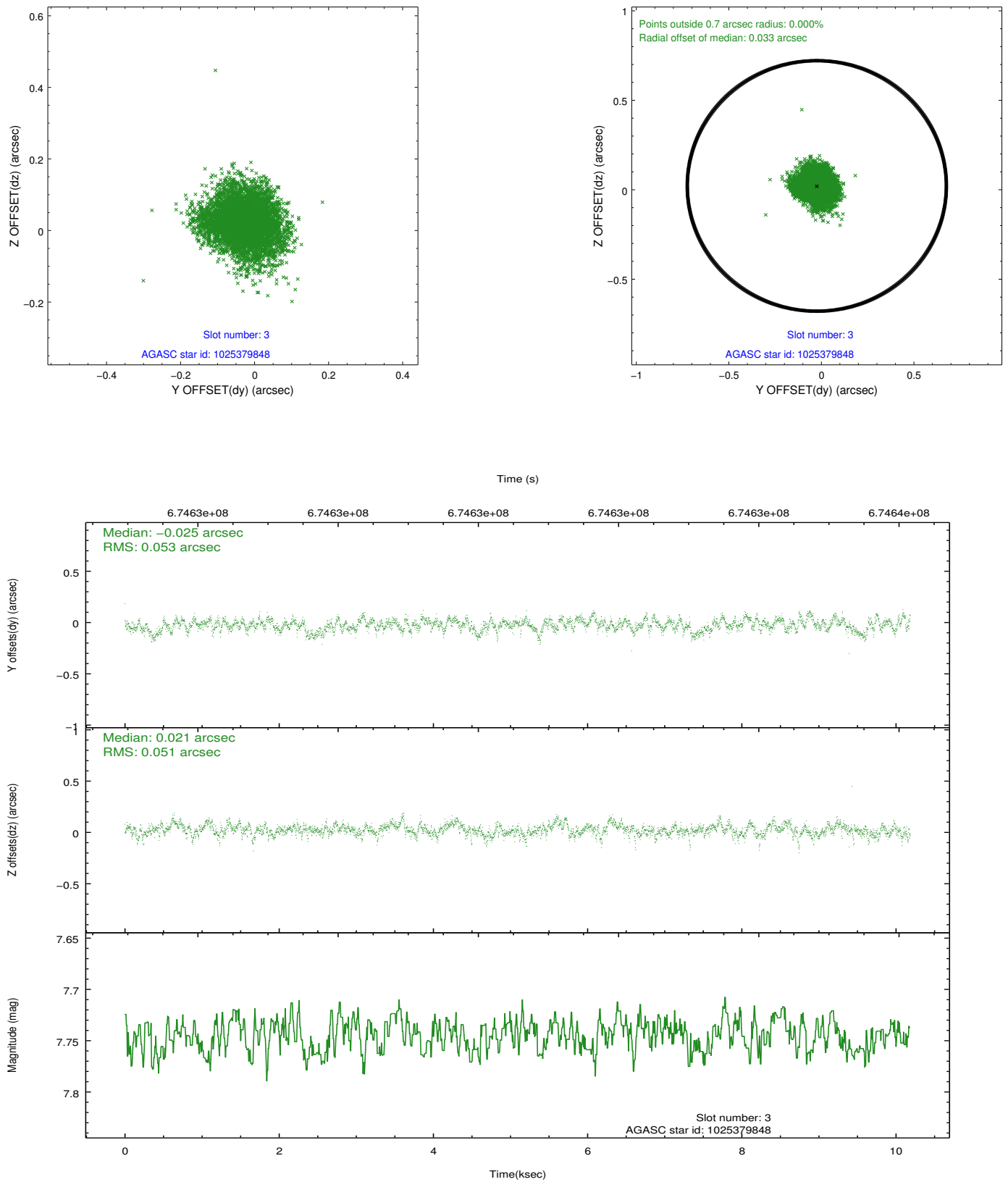


Slot Statistics

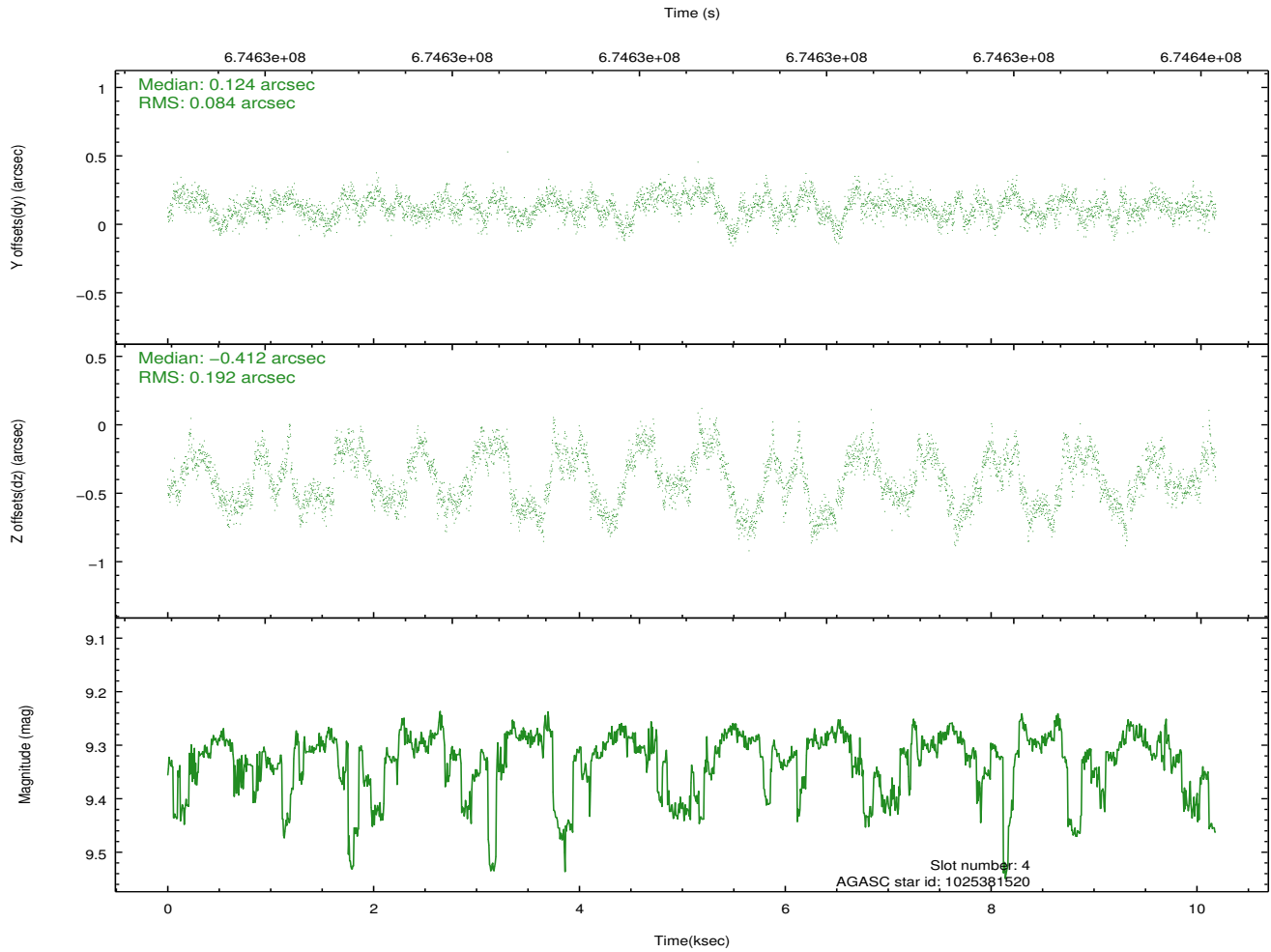
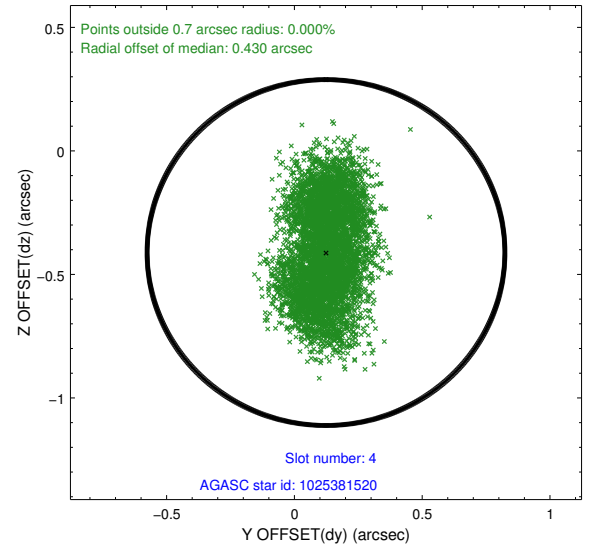
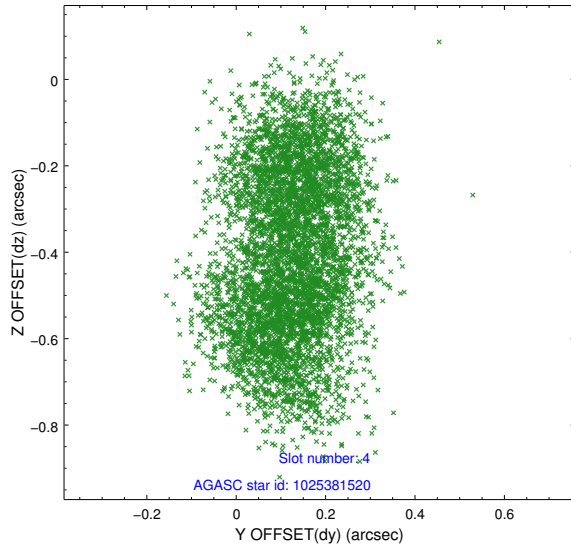
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.09	2485	1.000	-0.252	-0.193	0.016	0.030	0.000000	0.000000	-764.18	-1739
1	FID		ACIS-S-4	7.23	2485	1.000	0.690	0.173	0.008	0.014	0.000000	0.000000	2149.76	169
2	FID		ACIS-S-5	7.21	2485	1.000	-0.466	0.029	0.019	0.029	0.000000	0.000000	-1816.62	163
3	GUIDE	used	1025379848	7.74	4969	1.000	-0.025	0.021	0.078	0.127	222.308494	-40.463465	918.50	-780
4	GUIDE	used	1025381520	9.32	4965	1.000	0.124	-0.412	0.227	0.353	222.450574	-39.507398	-607.85	2328
5	GUIDE	used	1025391800	9.08	4965	1.000	0.164	0.264	0.142	0.223	221.808790	-40.516699	-126.61	-1682
6	GUIDE	used	1025392744	7.07	4969	1.000	-0.212	0.020	0.106	0.168	222.244323	-40.420933	687.73	-746
7	GUIDE	used	1025396192	7.36	4967	1.000	-0.053	0.089	0.123	0.204	221.945580	-39.926406	-967.91	303

2.4 Star Slots

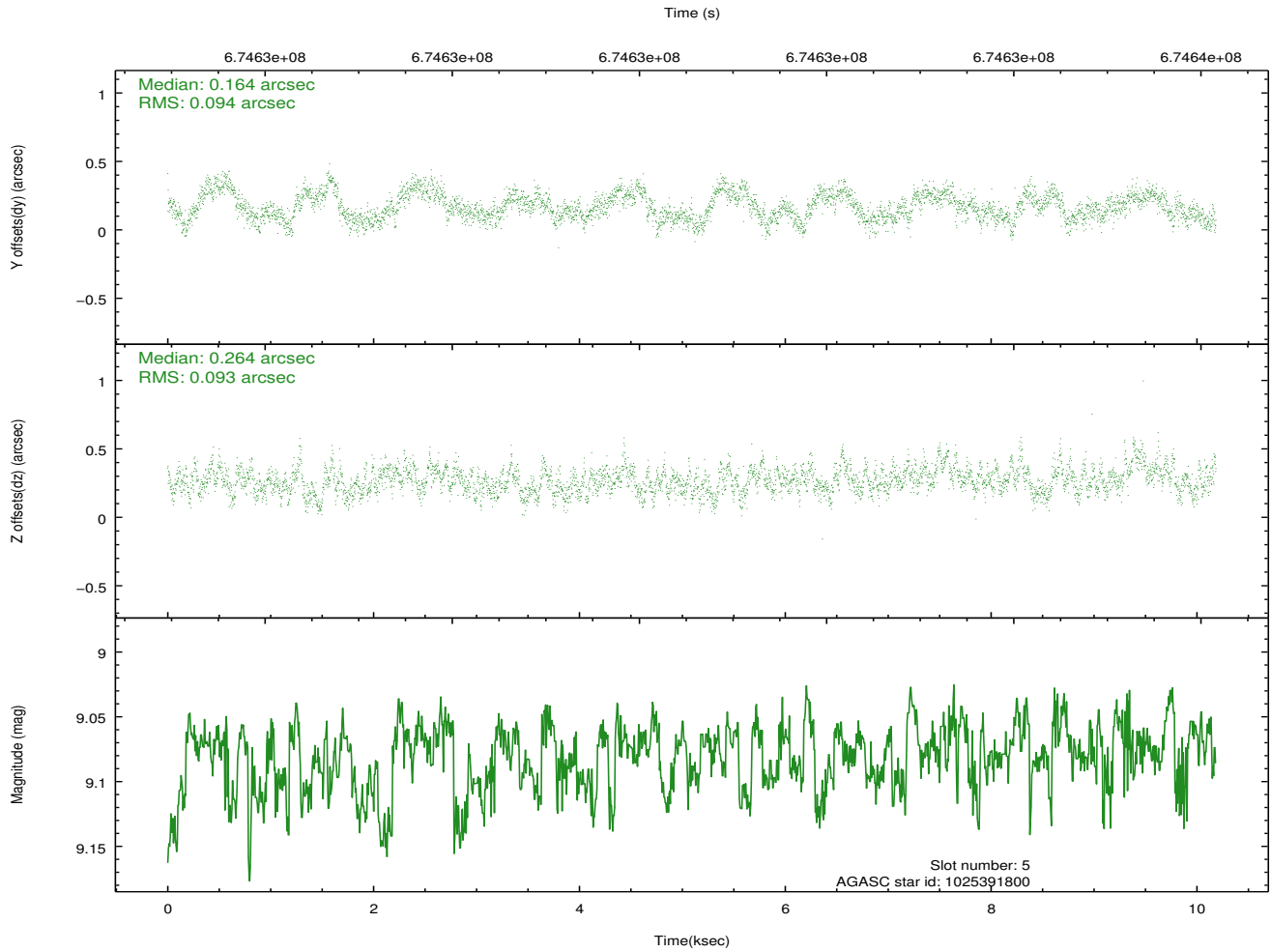
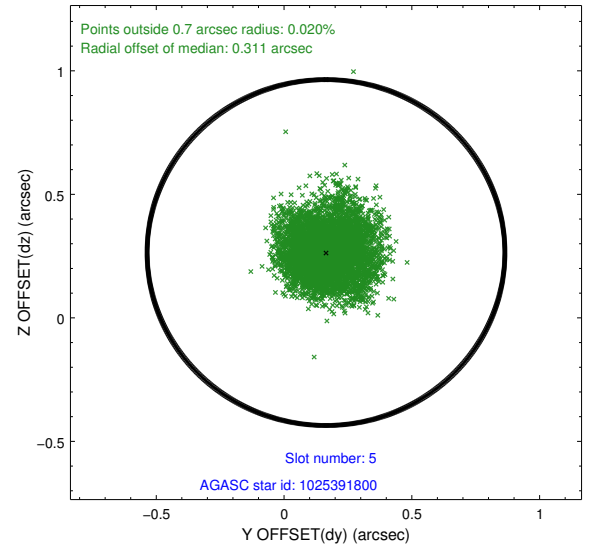
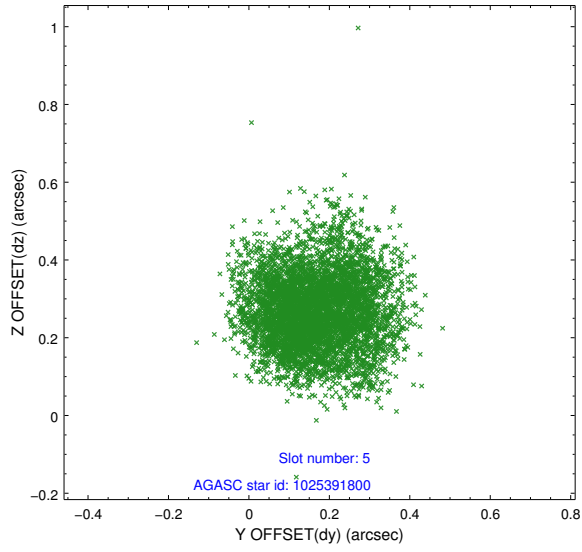
2.4.1 Slot 3



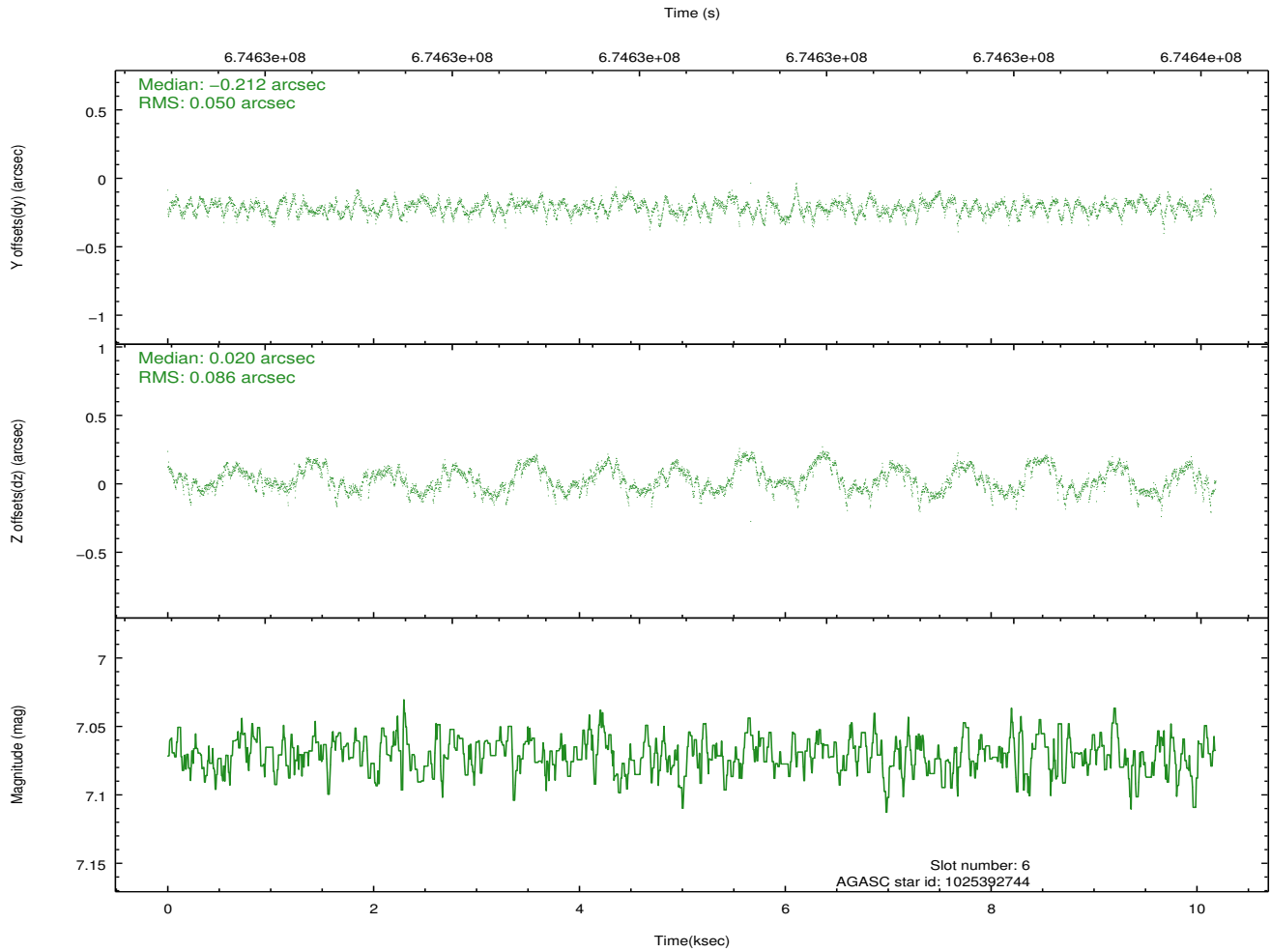
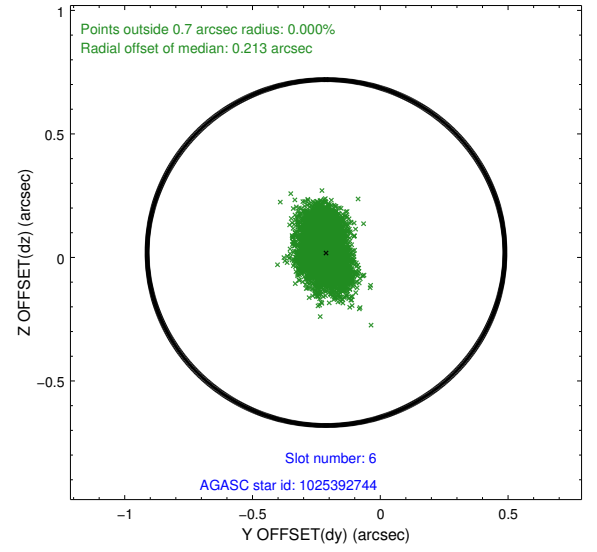
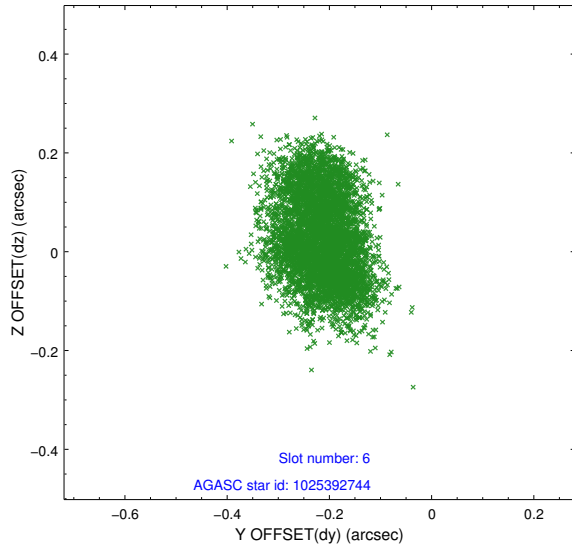
2.4.2 Slot 4



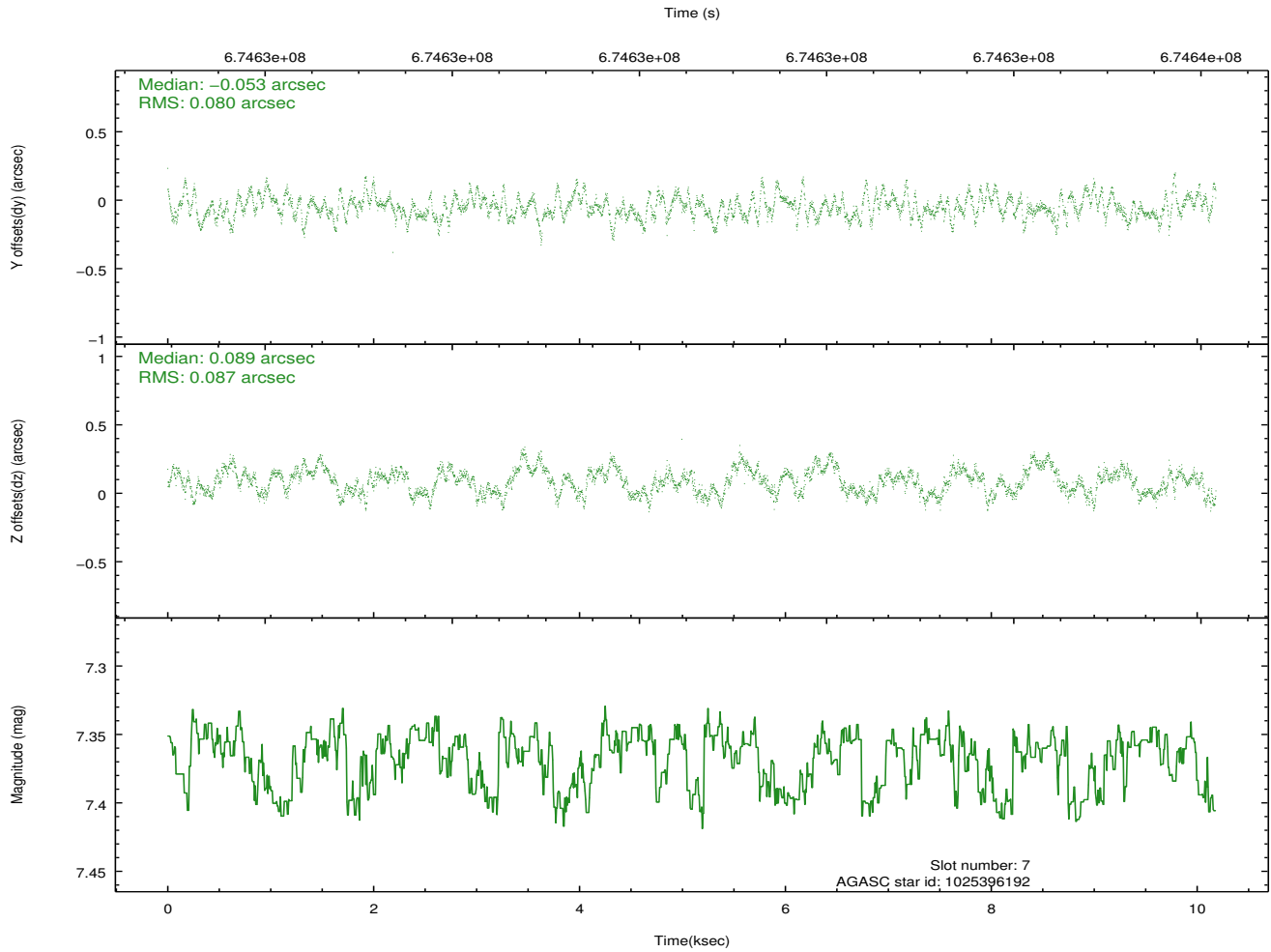
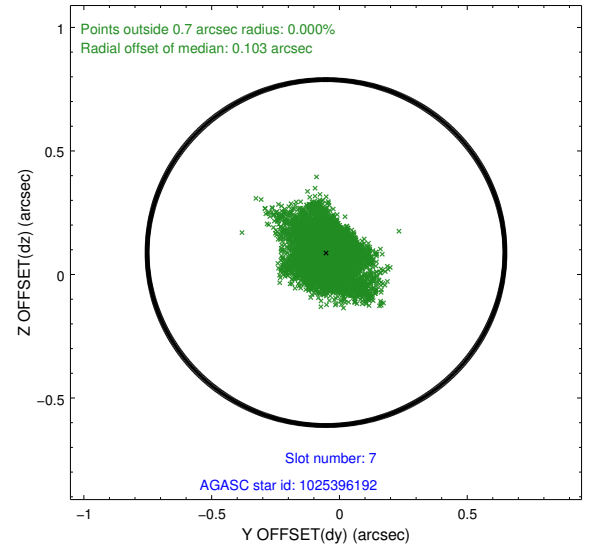
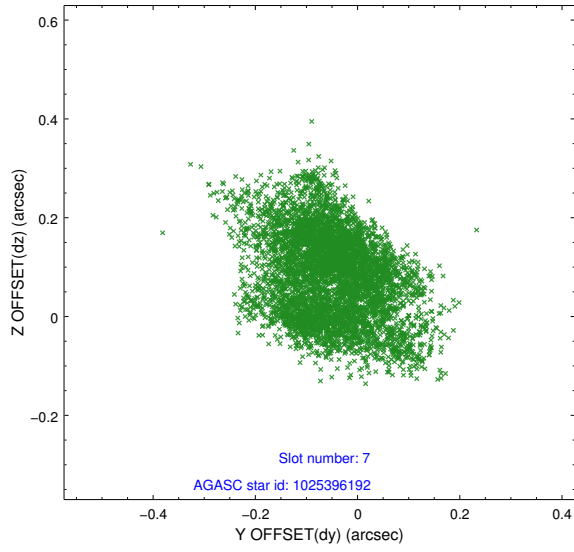
2.4.3 Slot 5



2.4.4 Slot 6

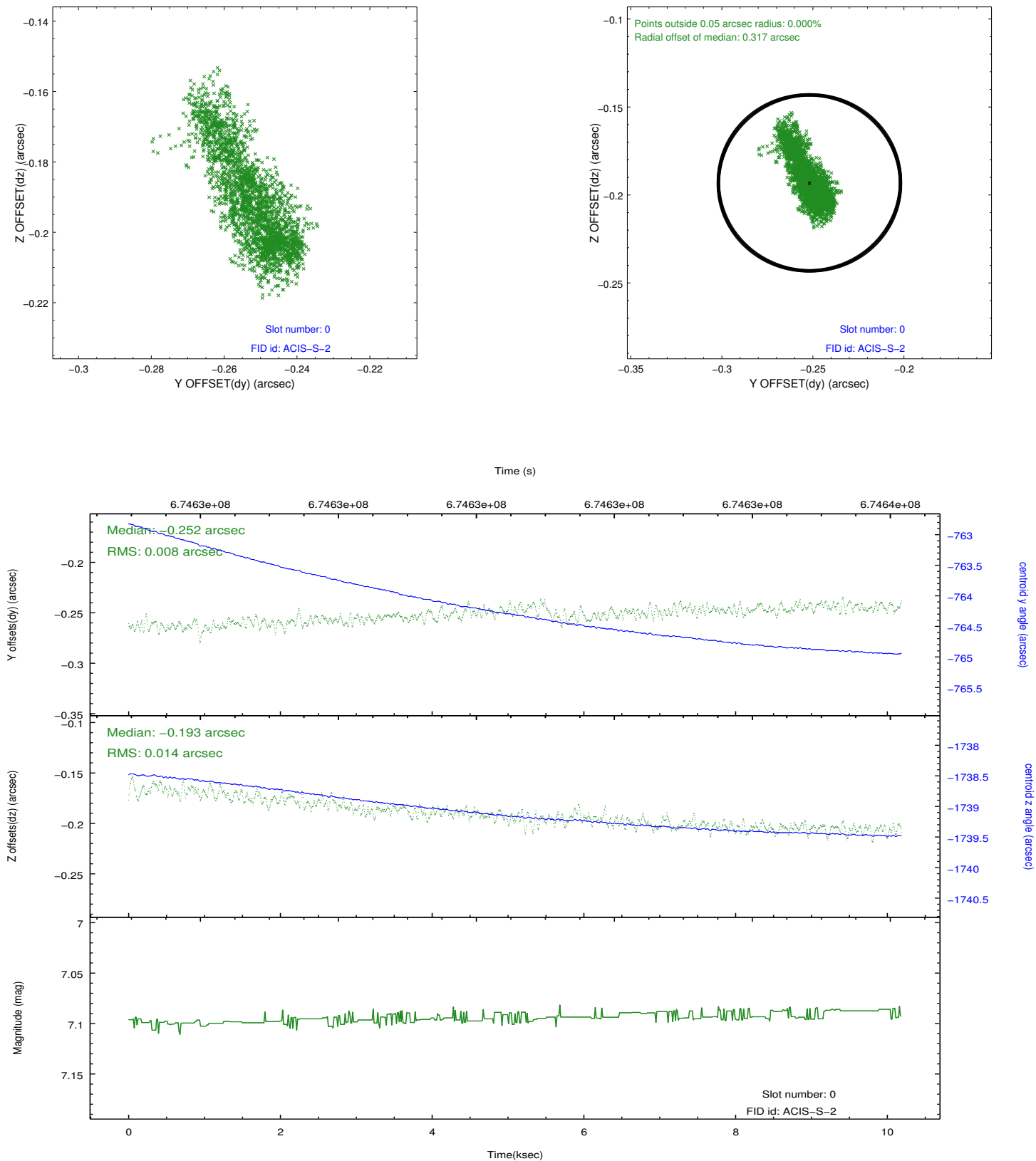


2.4.5 Slot 7

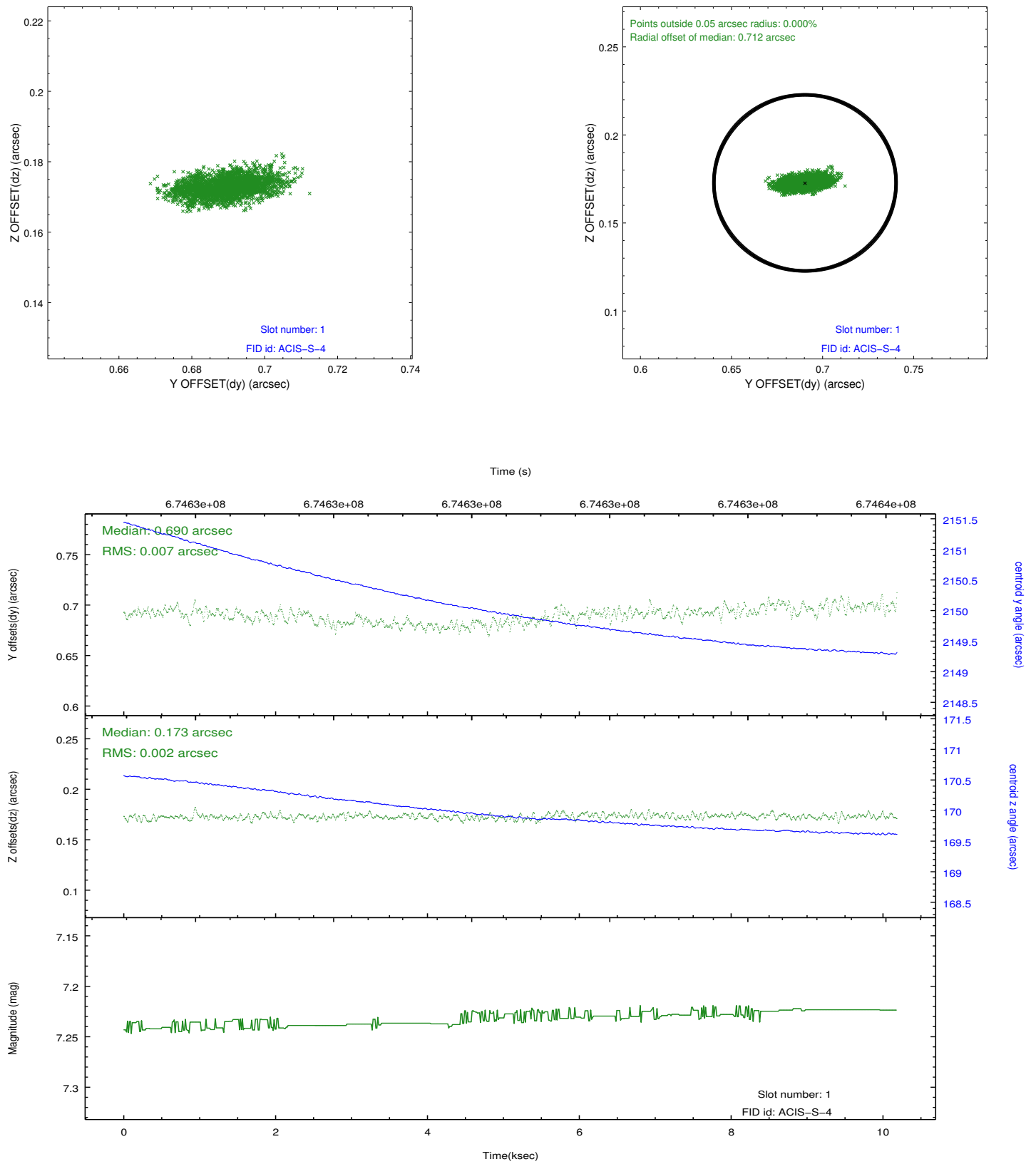


2.5 FID Slots

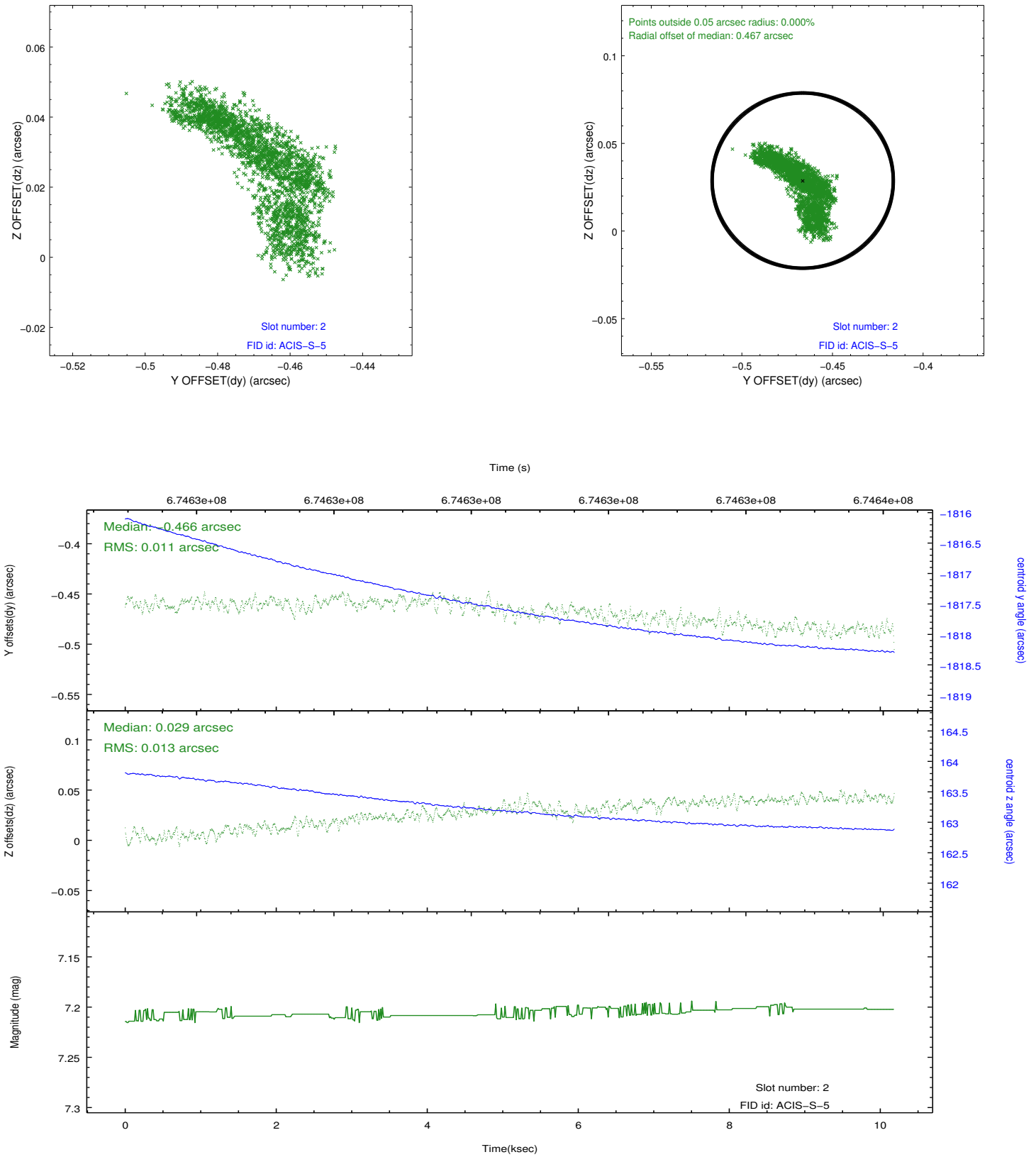
2.5.1 Slot 0



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)	2019.05.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.092

A.2 Comments