

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8567 - L2 Version 2
Chandra X-Ray Center

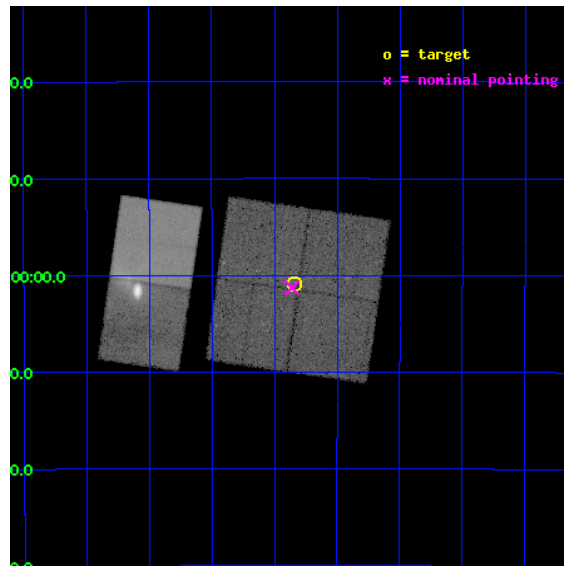
L2 Processing Date : Apr 28 2012

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

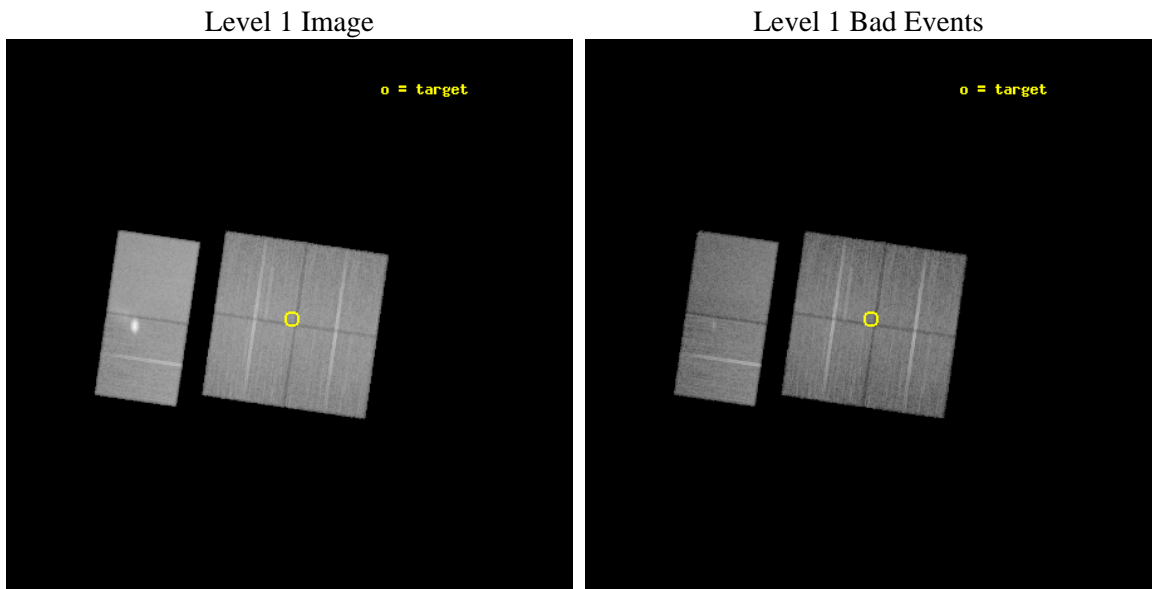
seq_num	900452	Sequence number
obs_id	8567	Observation id
title	A Legacy Study of Stellar Life Cycles at the Galactic Center	Propo
observer	Dr. Michael Muno	Principal investigator
object	Deep GCS 4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.08625	Observer's specified target RA [deg]
dec_targ	-29.014194	Observer's specified target Dec [deg]
ra_nom	266.09027653457	Nominal RA [deg]
dec_nom	-29.02149893322	Nominal Dec [deg]
roll_nom	278.28899233716	Nominal Roll [deg]
revision	2	Processing version of data
ontime	19756.61336869	Sum of GTIs [s]
liveltime	19506.443234211	Livetime [s]
ontime0	19756.490238726	Sum of GTIs [s]
ontime1	19756.531288683	Sum of GTIs [s]
ontime2	19756.572328687	Sum of GTIs [s]
ontime3	19756.61336869	Sum of GTIs [s]
ontime6	19750.213408351	Sum of GTIs [s]
ontime7	19756.654398739	Sum of GTIs [s]
l2events	291106	Number of level 2 events



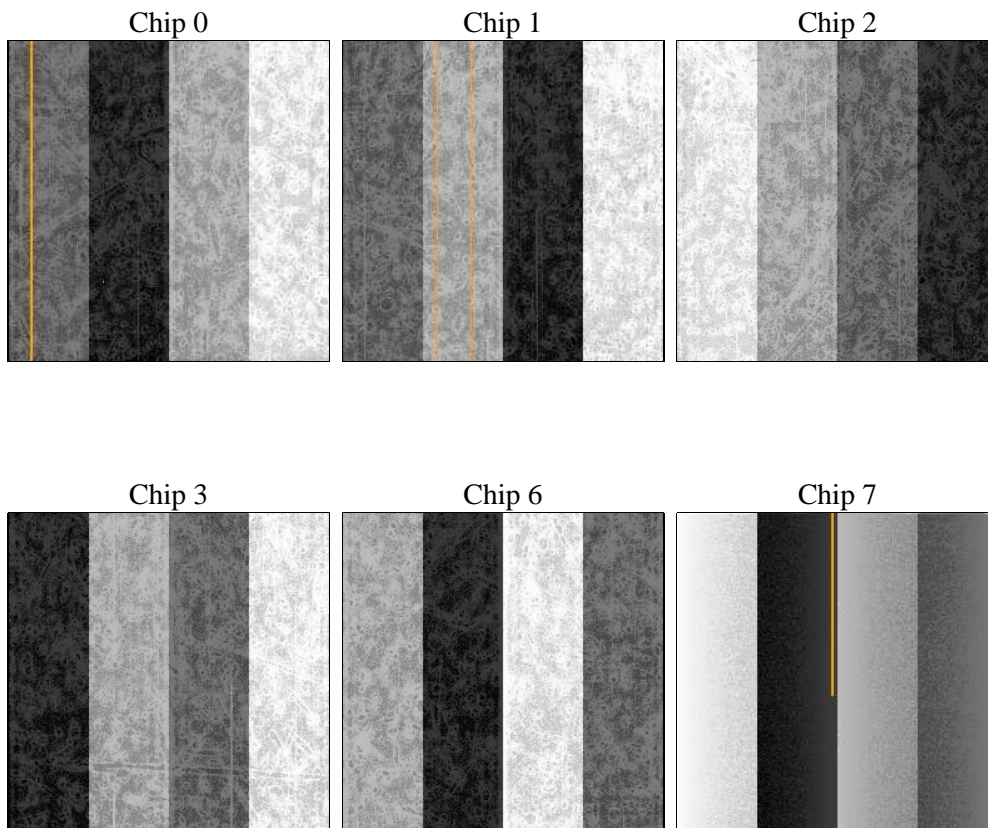
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	19756.61336869	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	19756.490238726	Sum of GTIs [s]
date	2012-04-28T02:29:49	Date and time of file creation	ontime1	19756.531288683	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	19756.572328687	Sum of GTIs [s]
			ontime3	19756.61336869	Sum of GTIs [s]
			ontime6	19750.213408351	Sum of GTIs [s]
			ontime7	19756.654398739	Sum of GTIs [s]
			l1events	1298305	Number of level 1 events

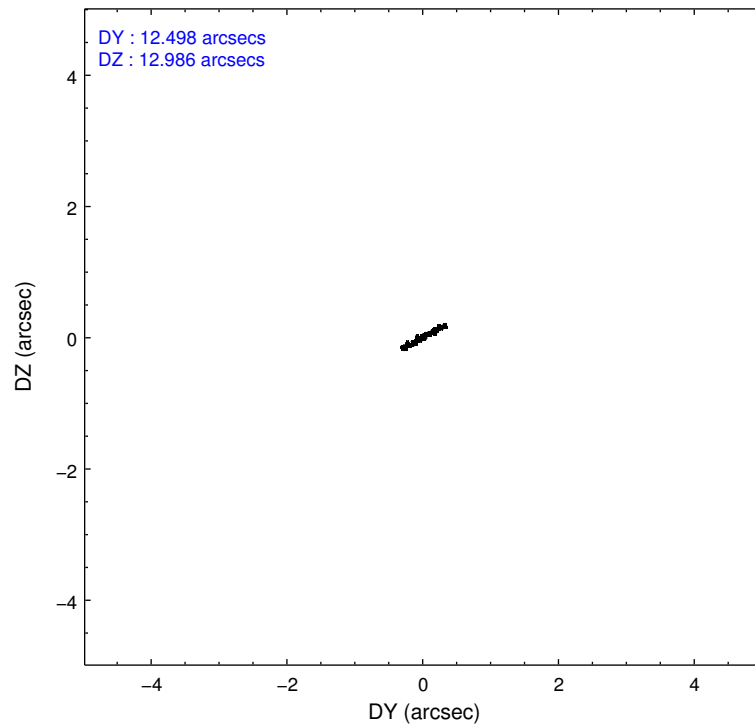
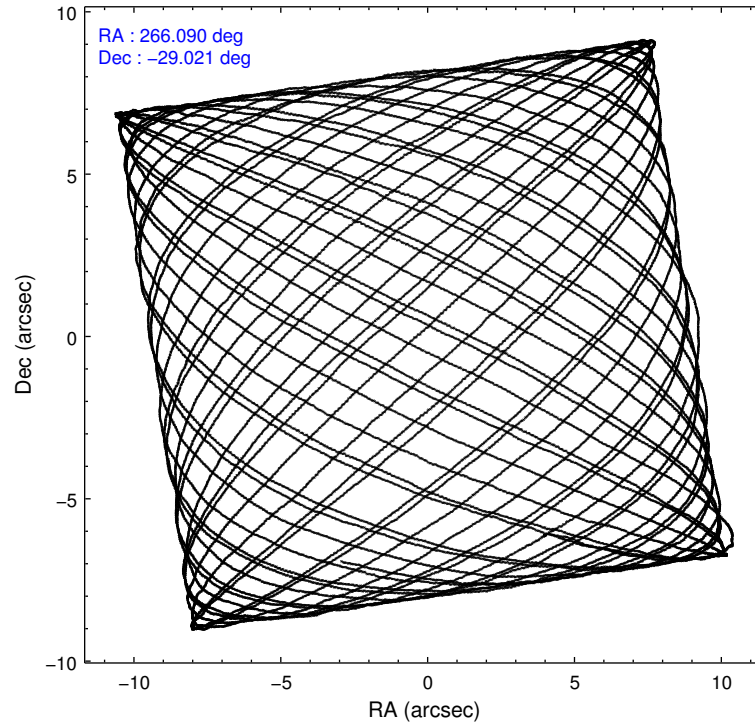
2.1.4 Events

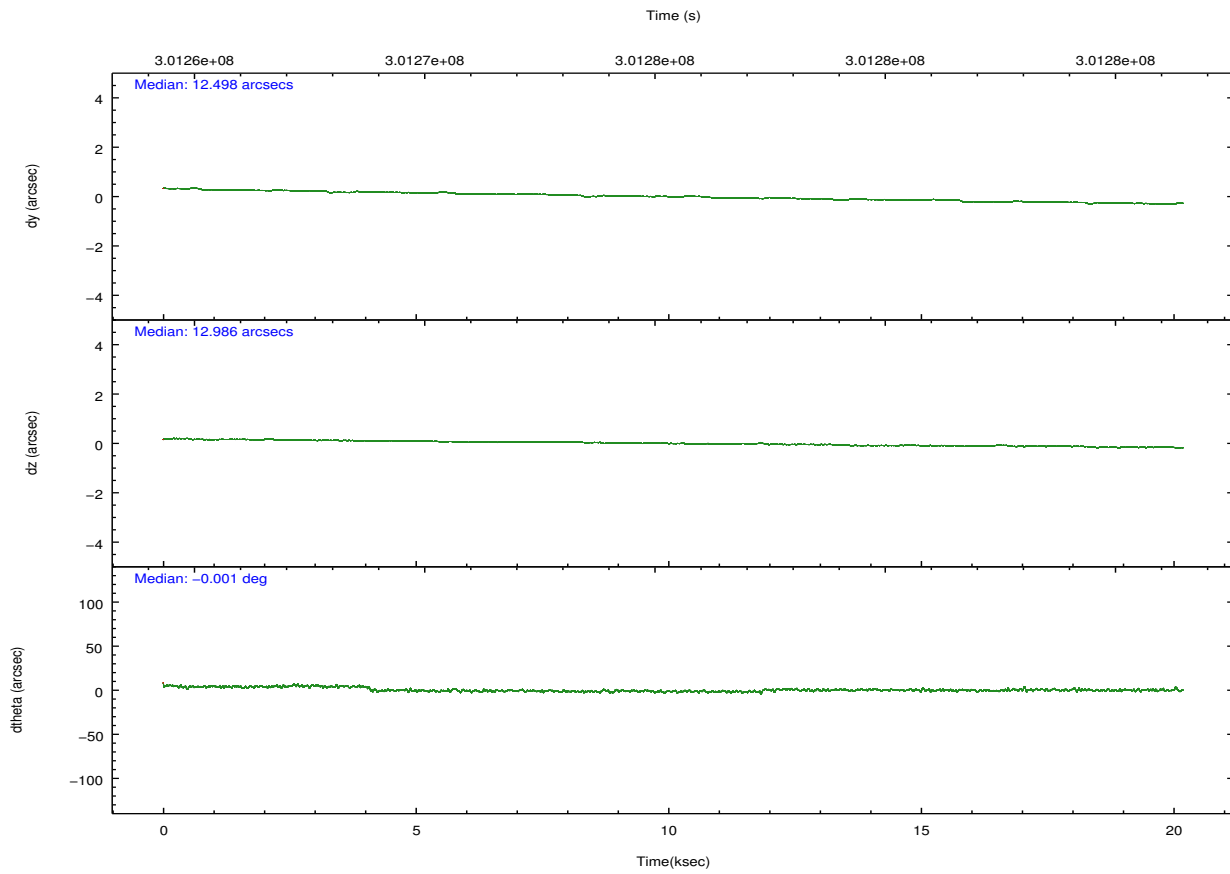
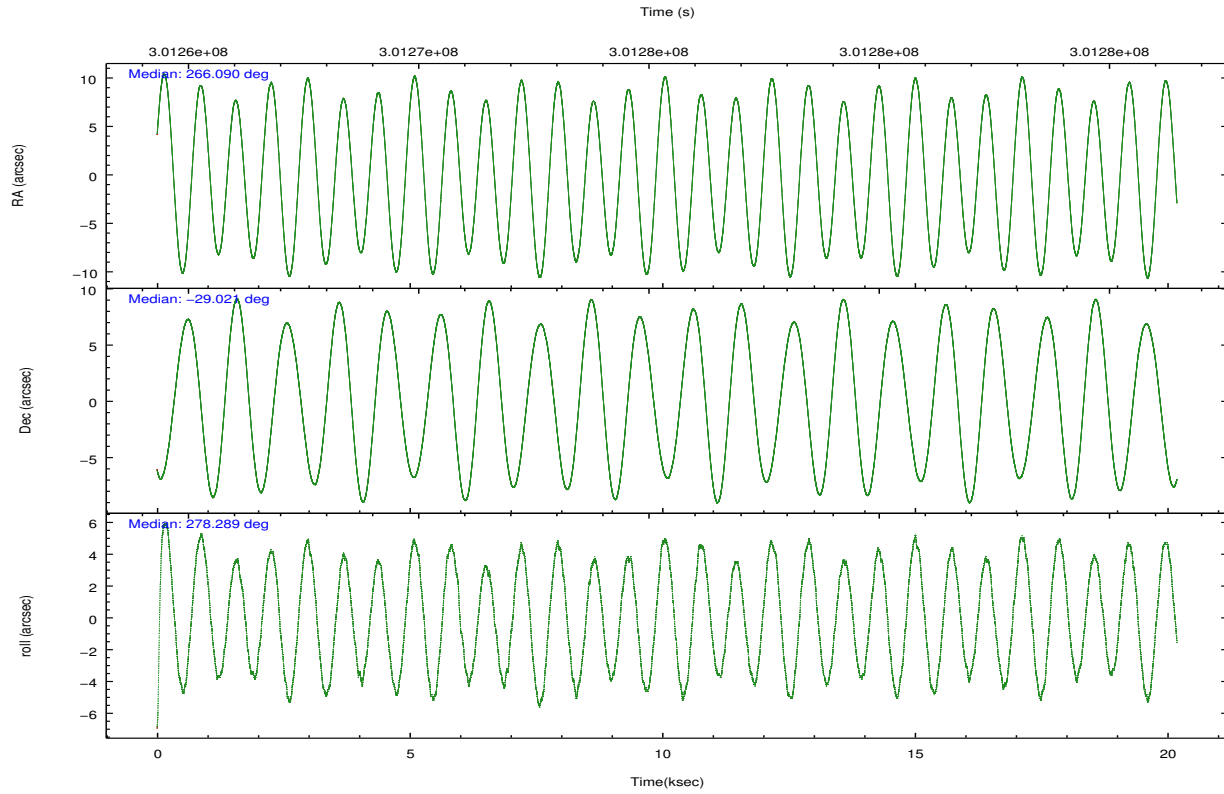
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	180837	183187	200590	194678	255811	283202	grade 0 events	12800	11589	13931	13149	39777	12294
rejected events	153267	155553	172226	167212	184209	154261		7%	6%	6%	6%	15%	4%
rejected %	84%	84%	85%	85%	72%	54%	grade 1 events	131	120	152	166	353	252
								0%	0%	0%	0%	0%	0%
							grade 2 events	5635	6087	5587	5137	12713	26780
								3%	3%	2%	2%	4%	9%
							grade 3 events	2499	2456	2220	2446	4684	11152
								1%	1%	1%	1%	1%	3%
							grade 4 events	2266	2450	2435	2378	4747	11301
								1%	1%	1%	1%	1%	3%
							grade 5 events	7651	8126	7318	9158	9554	24771
								4%	4%	3%	4%	3%	8%
							grade 6 events	4375	5055	4197	4361	9697	67434
								2%	2%	2%	2%	3%	23%
							grade 7 events	145480	147304	164750	157883	174286	129218
								80%	80%	82%	81%	68%	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	266.070660	266.0902765345678	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.999965	-29.02149893321983	Alternating exposures requested	N	N
[deg] Pointing Roll	278.070793	278.2889923371589	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	301265488.184000	301265111.54038			
Observation start date	2007-07-19T20:50:23	2007-07-19T20:45:11			
[s] Observation end time (MET)	301285488.184000	301285621.79136			
Observation end date	2007-07-20T02:23:43	2007-07-20T02:27:01			
Read mode	TIMED	TIMED			

2.3 Aspect



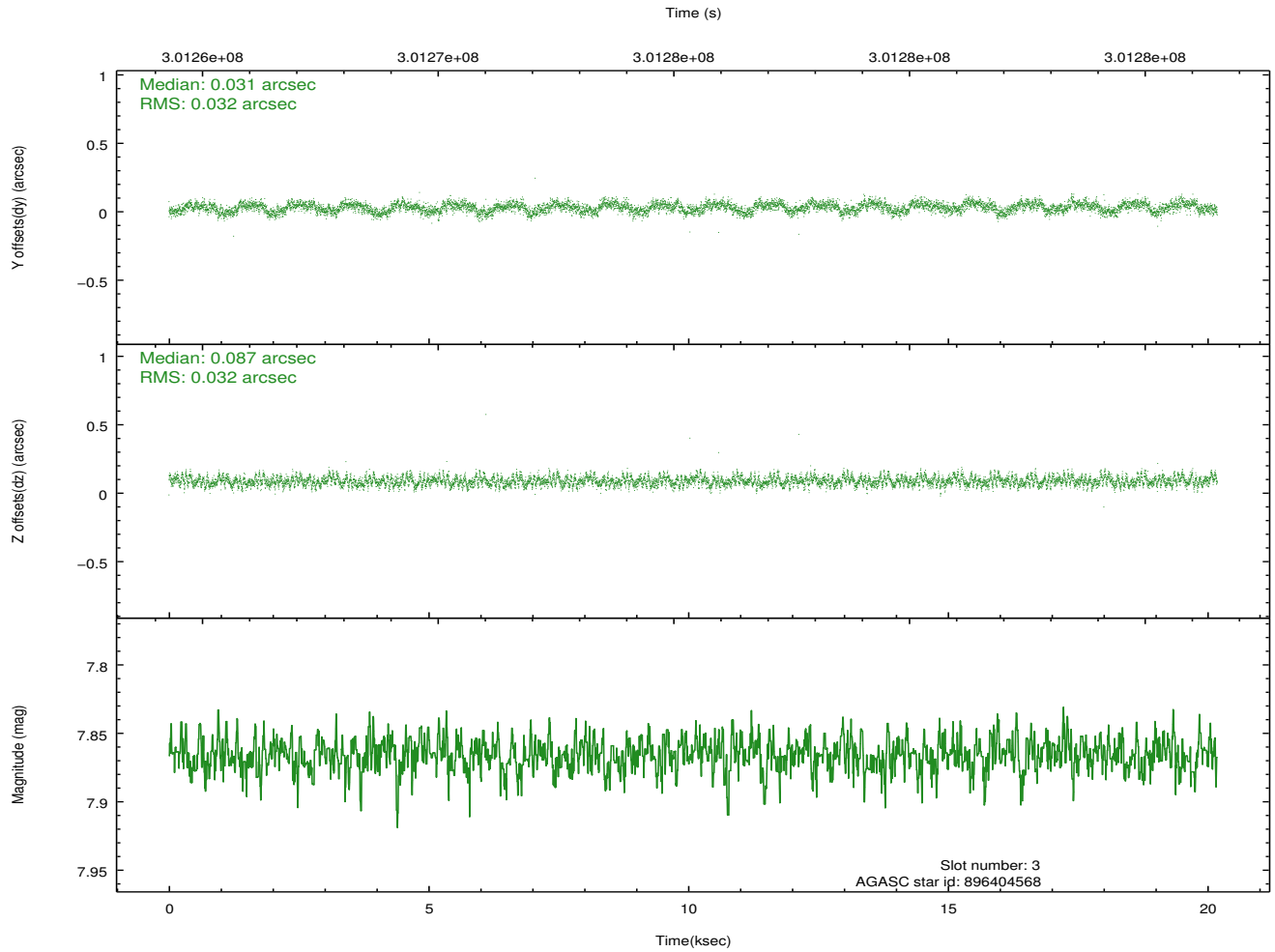
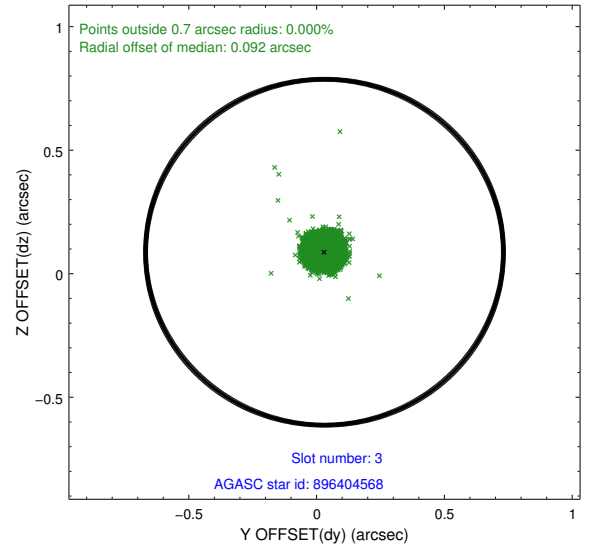
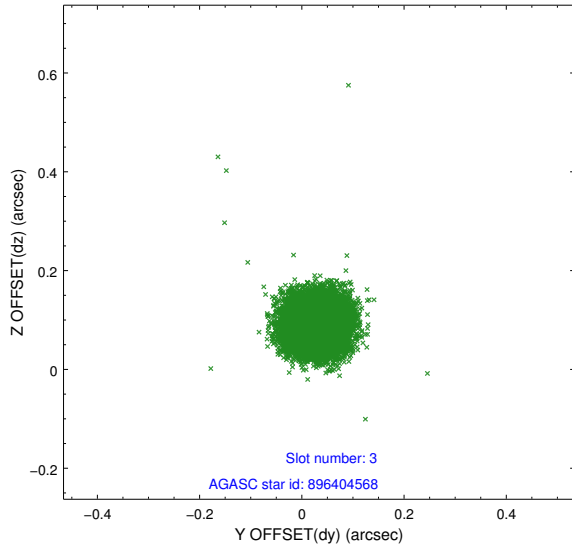


Slot Statistics

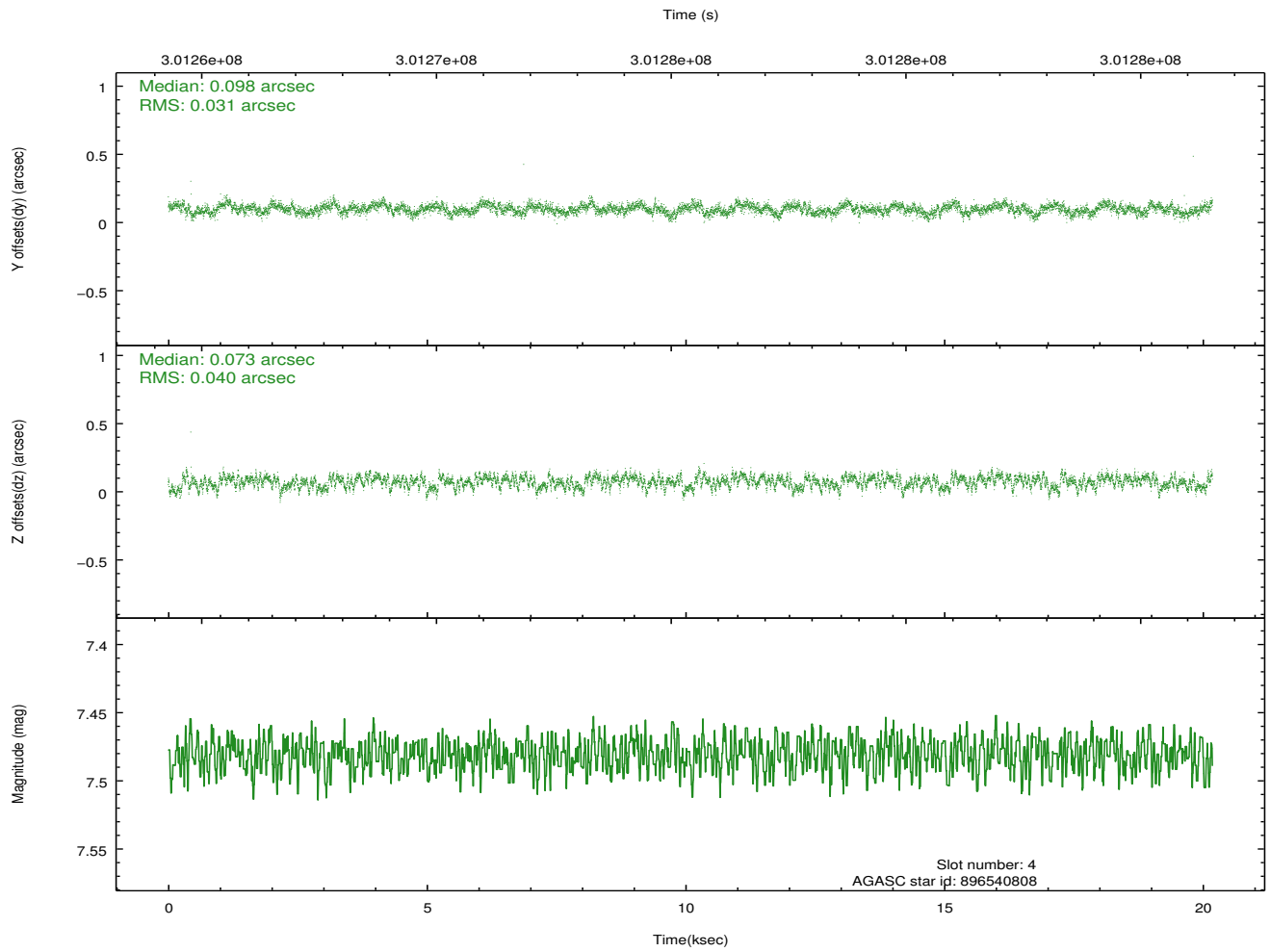
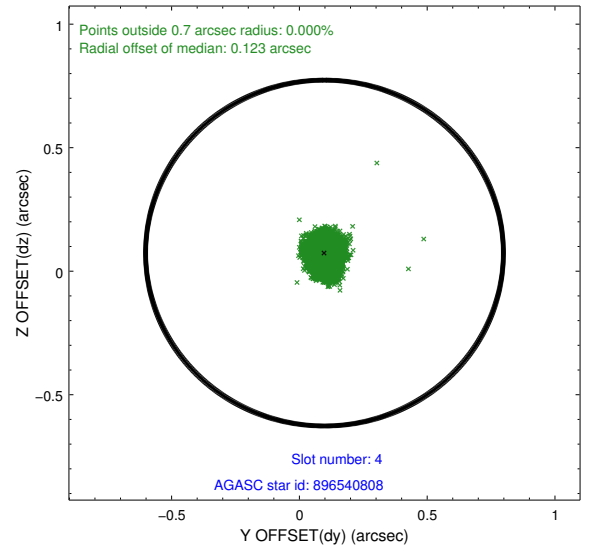
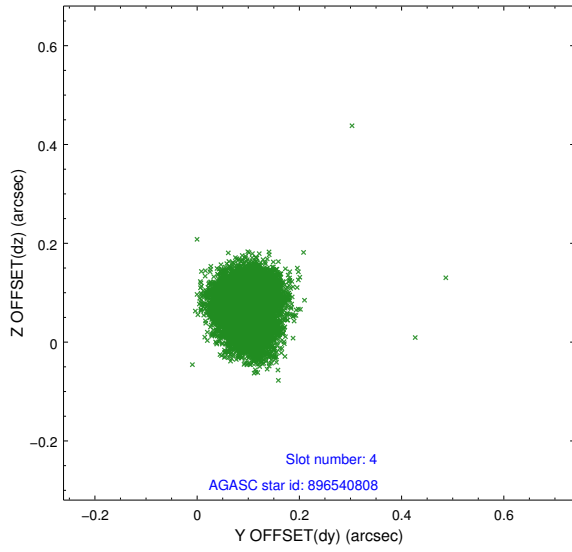
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	4923	-0.051	0.037	0.018	0.040	0.000000	0.000000	926.96	-836.51
1	FID	ACIS-I-2	7.14	4923	-0.173	-0.093	0.015	0.021	0.000000	0.000000	-767.15	-843.14
2	FID	ACIS-I-4	7.16	4923	0.126	0.120	0.014	0.023	0.000000	0.000000	2146.99	1063.24
3	GUIDE	896404568	7.87	9841	0.031	0.087	0.049	0.076	265.687293	-28.431080	-2196.19	-914.37
4	GUIDE	896540808	7.48	9843	0.098	0.073	0.054	0.086	265.985401	-29.308604	1062.45	-421.06
5	GUIDE	896538696	6.79	9846	-0.082	-0.040	0.040	0.063	266.298470	-28.325572	-2301.76	1055.49
6	GUIDE	896533888	7.02	9845	-0.038	-0.090	0.049	0.075	266.666434	-29.392757	1666.82	1651.03
7	GUIDE	896541360	7.72	9843	-0.009	-0.030	0.053	0.085	266.684478	-29.453744	1892.70	1675.19

2.4 Star Slots

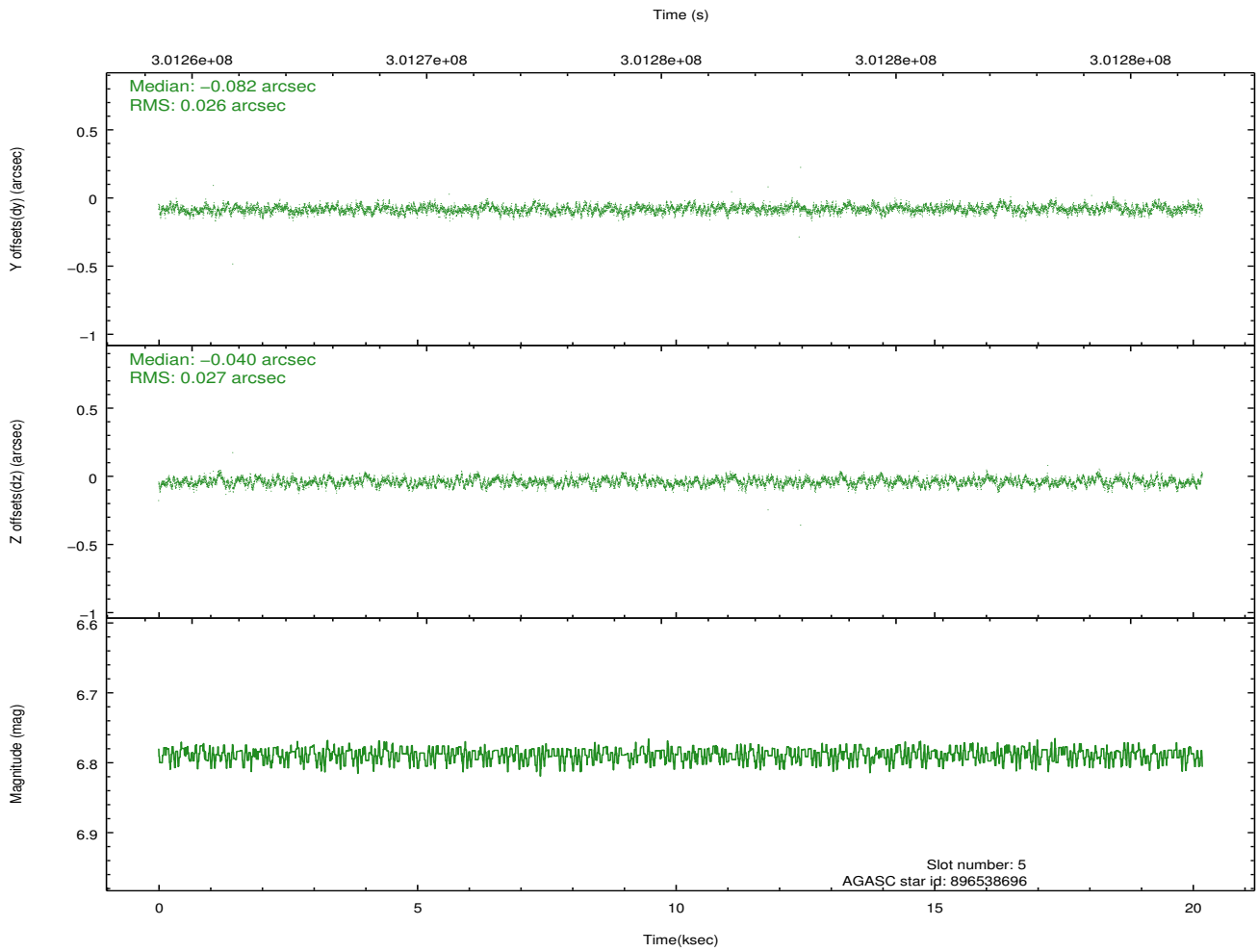
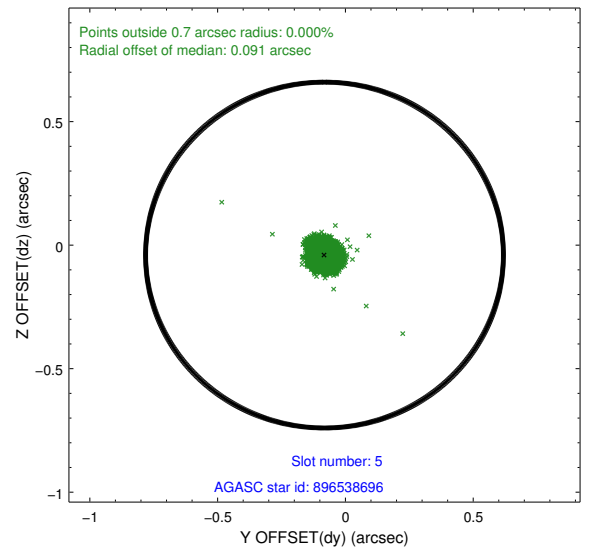
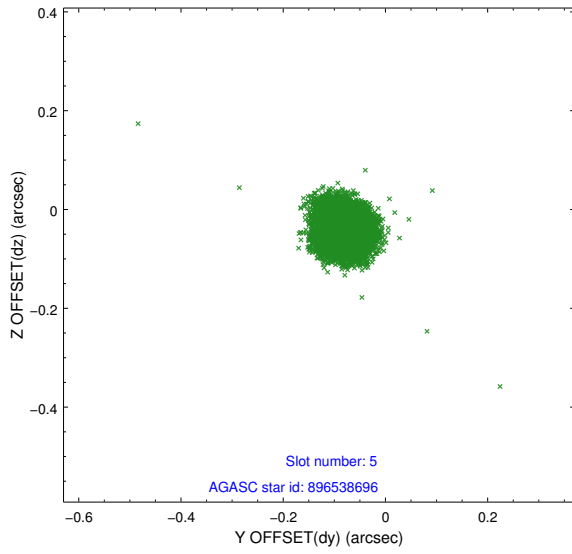
2.4.1 Slot 3



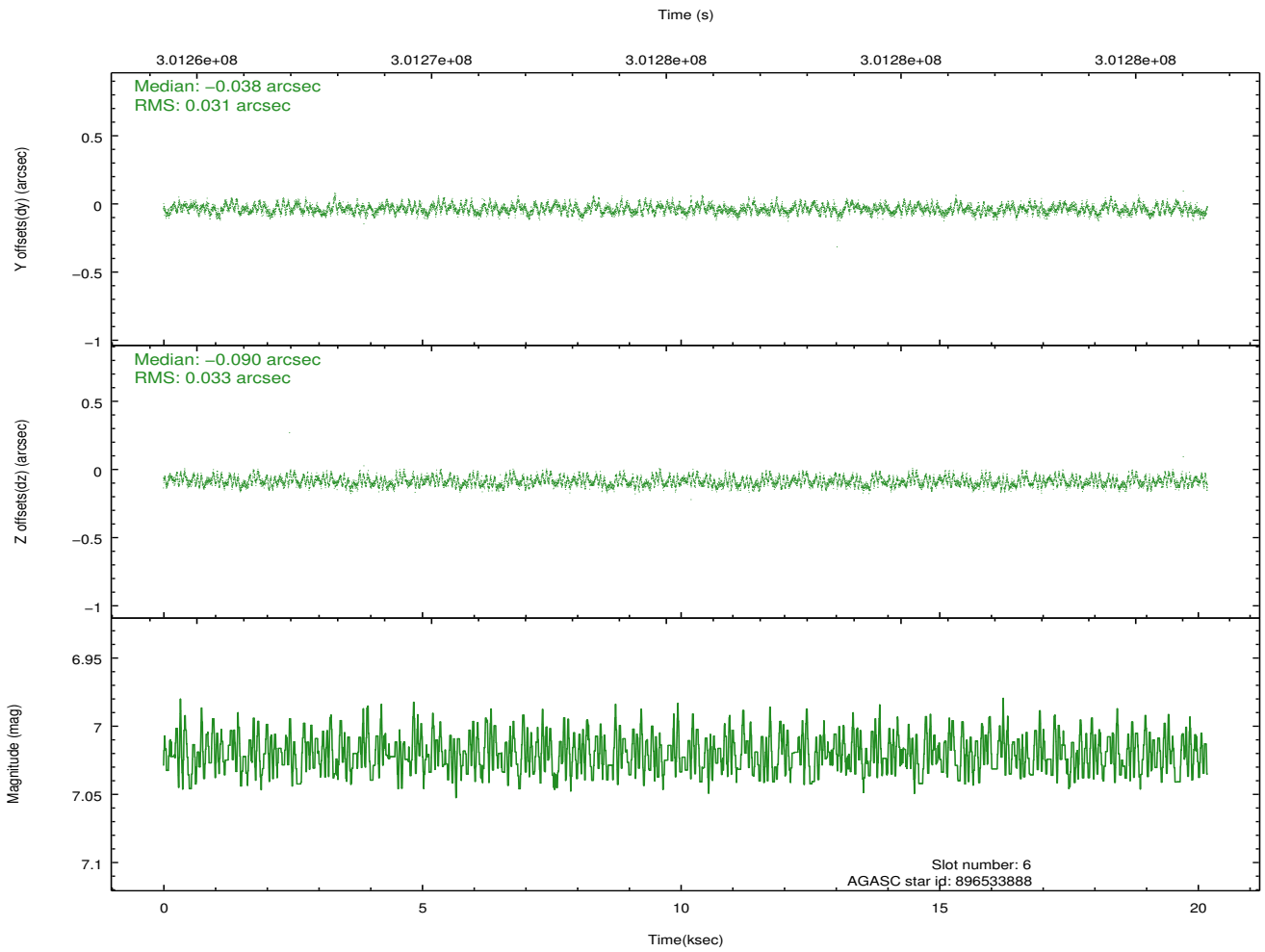
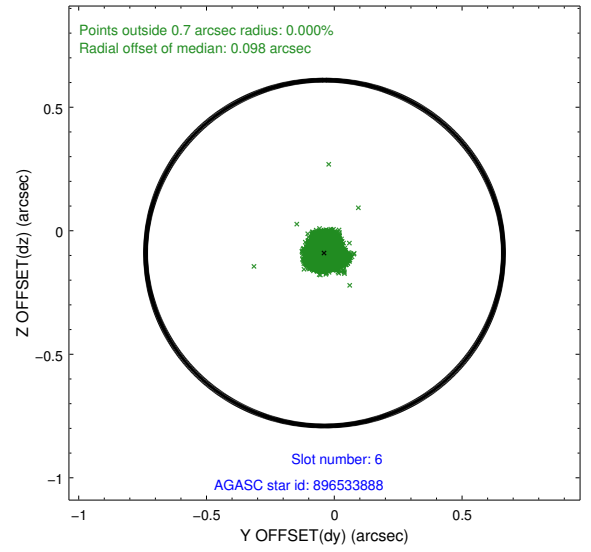
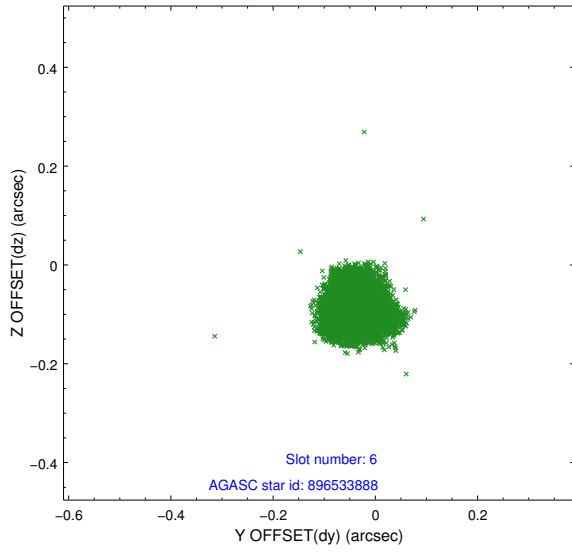
2.4.2 Slot 4



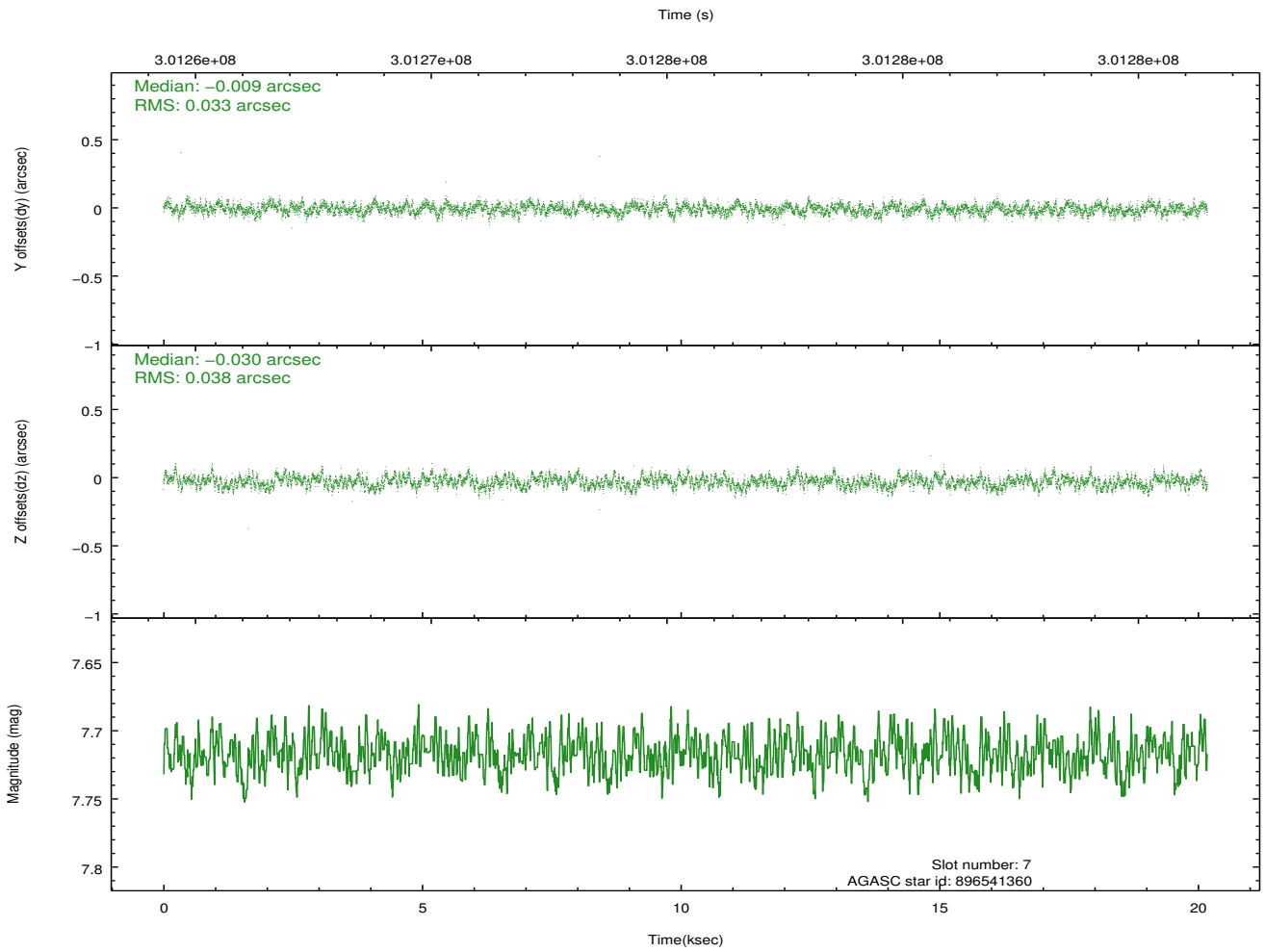
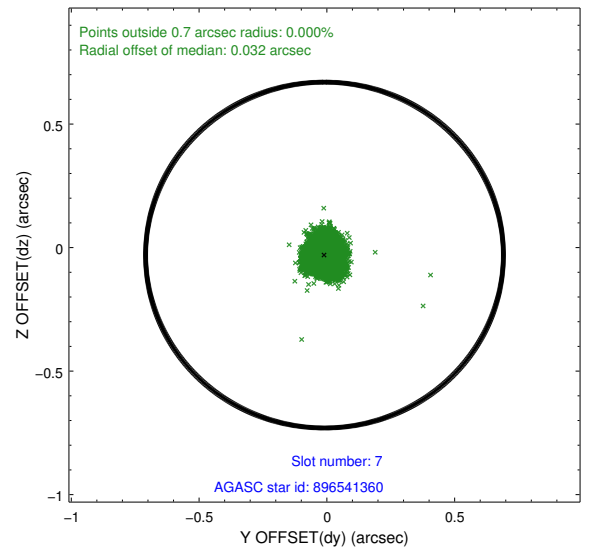
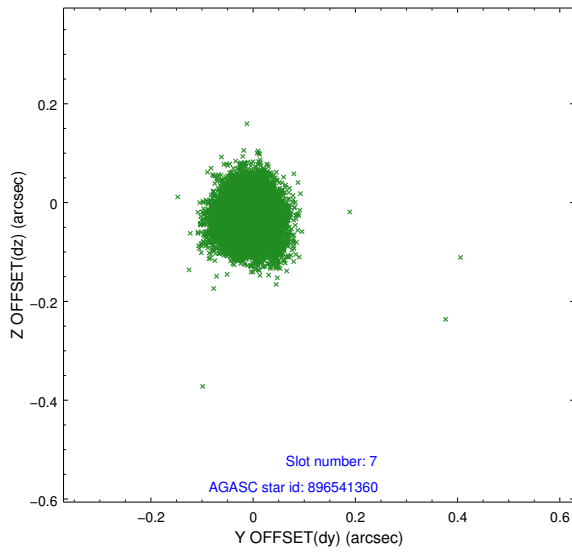
2.4.3 Slot 5



2.4.4 Slot 6

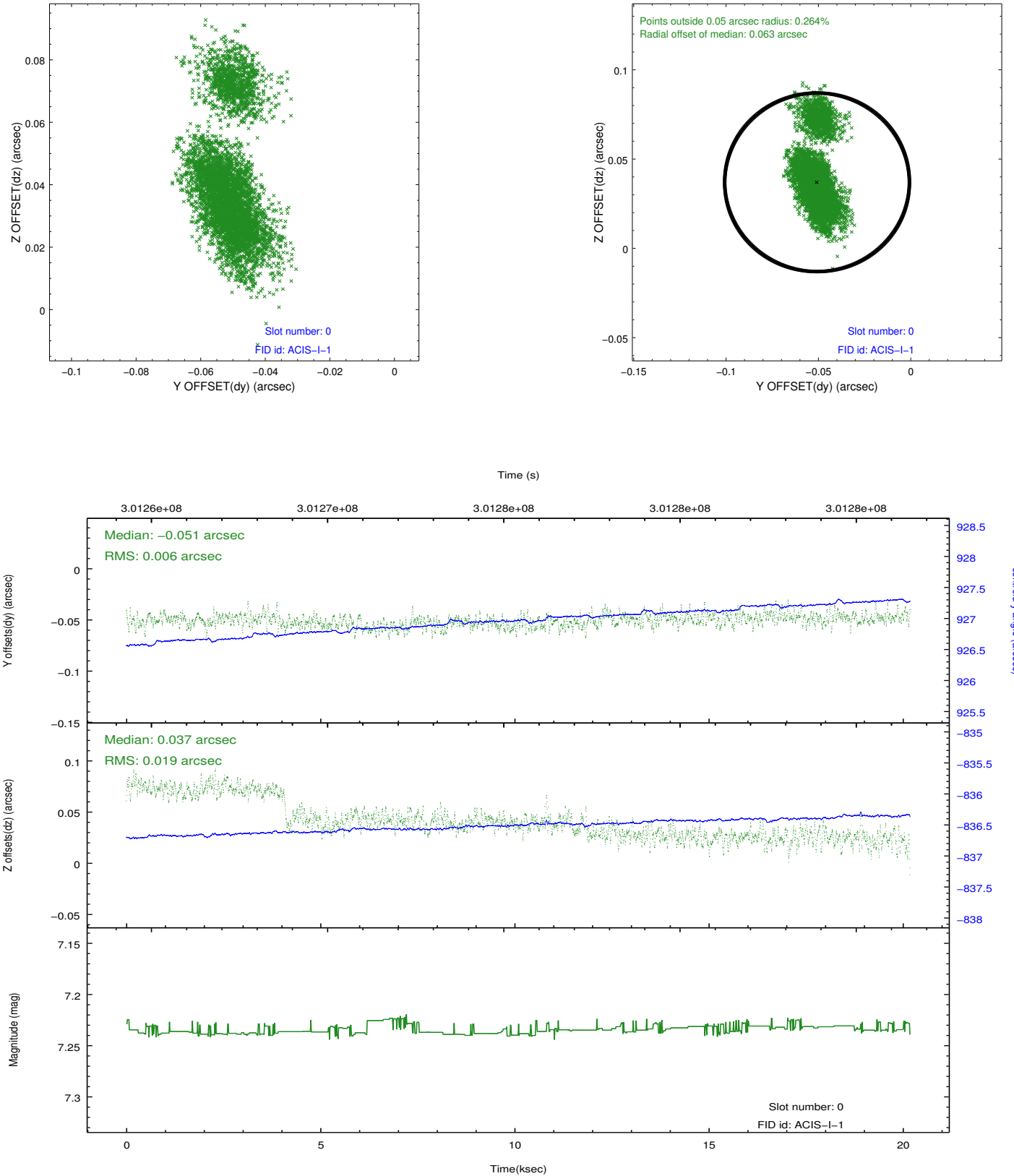


2.4.5 Slot 7

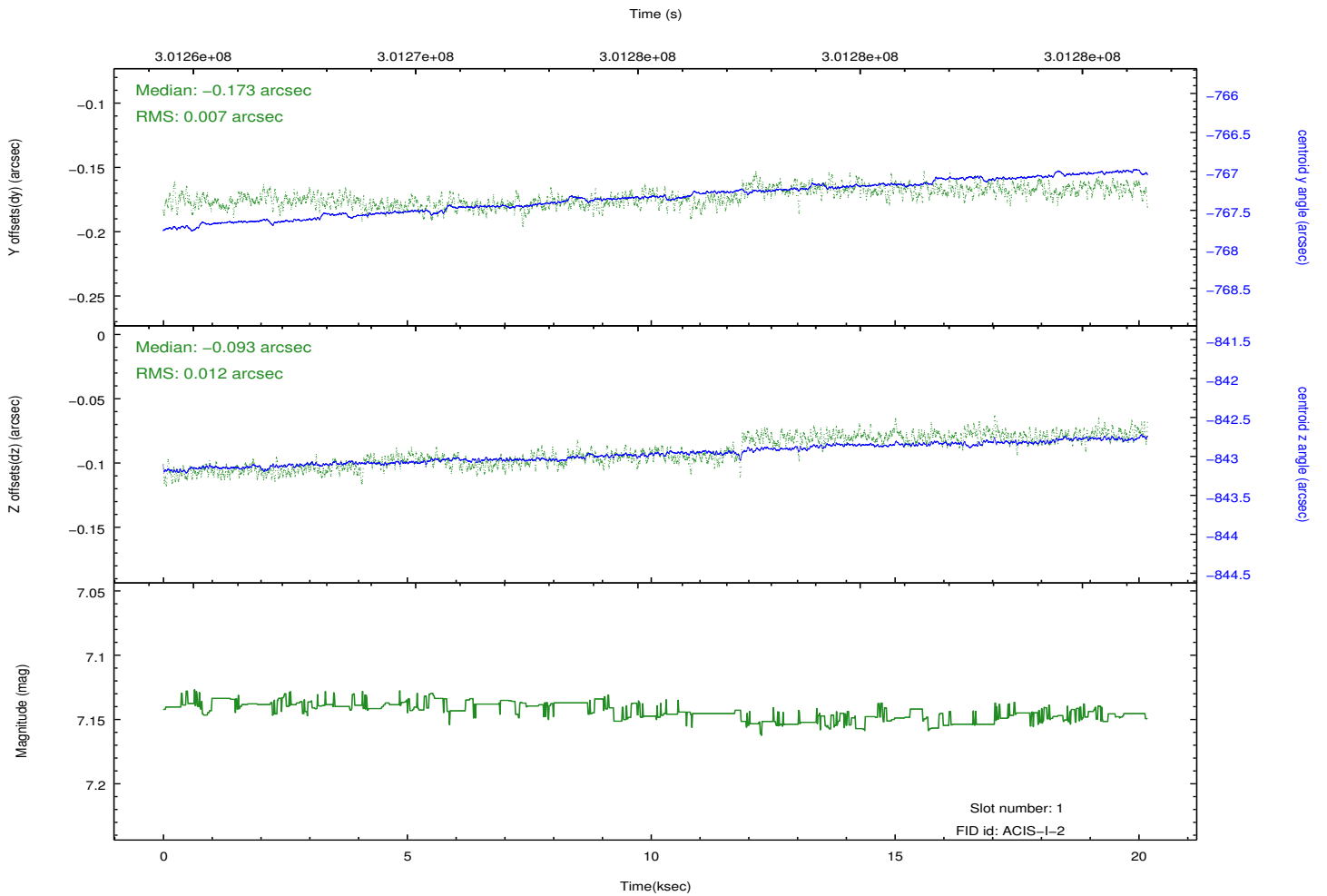
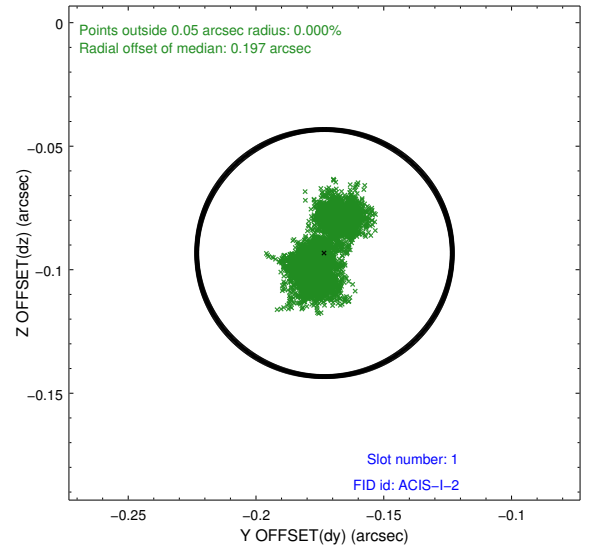
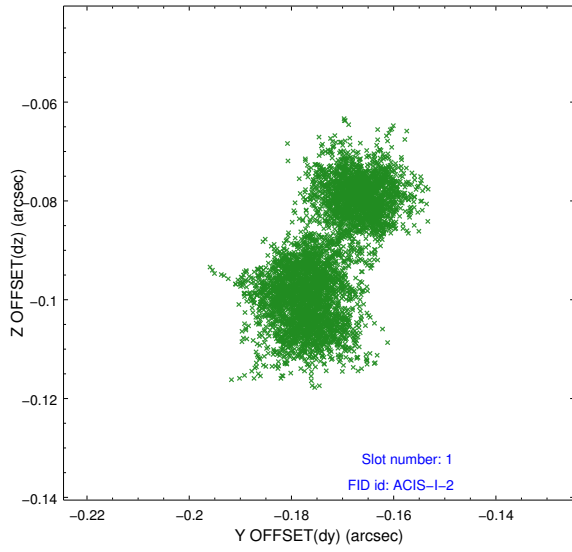


2.5 FID Slots

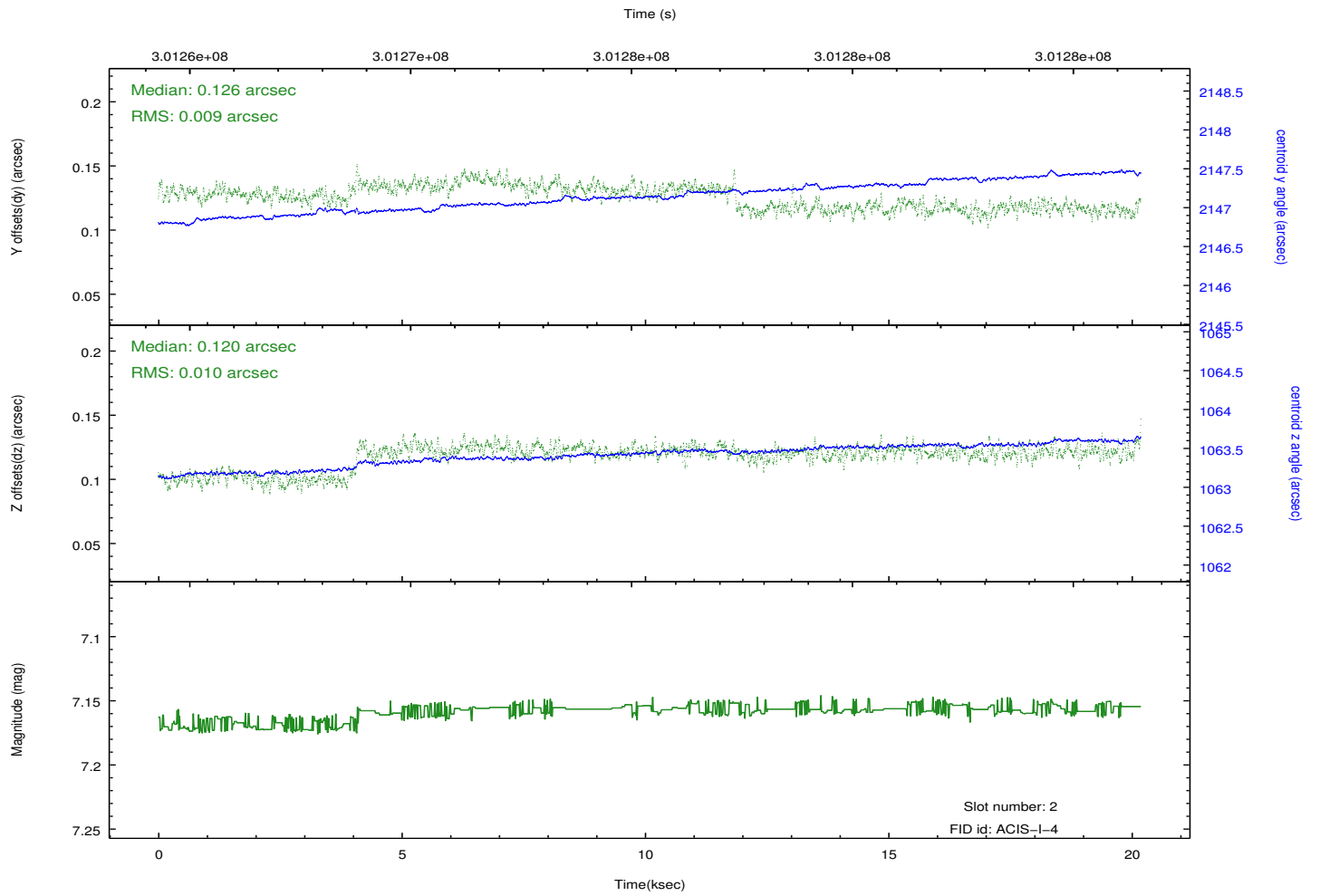
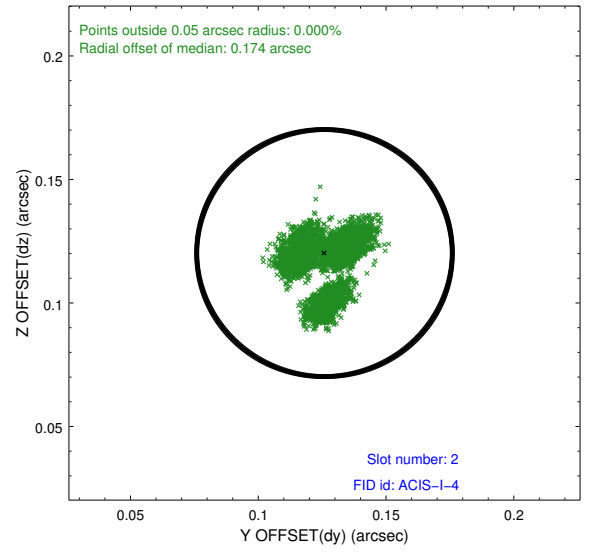
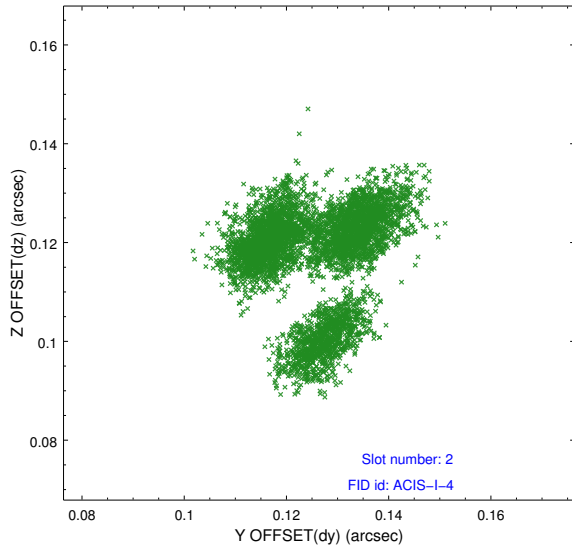
2.5.1 Slot 0



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)	2012.04.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.7567999

A.2 Comments

Roll preference met.