

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3534 - L2 Version 3
Chandra X-Ray Center

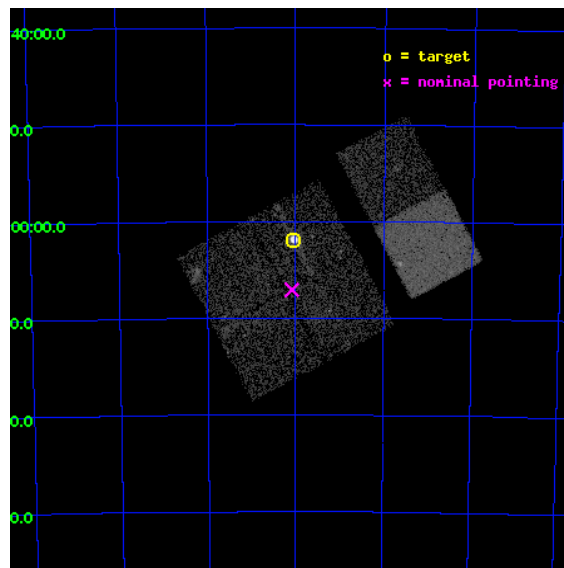
L2 Processing Date : Nov 3 2012

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1 Front

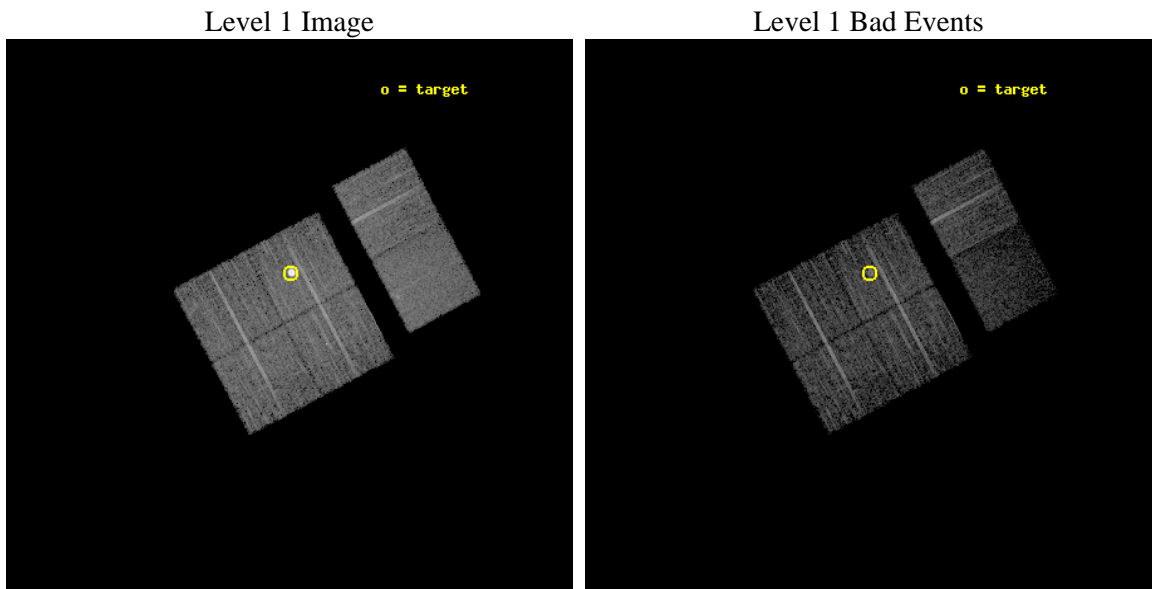
seq_num	590289	Sequence number
obs_id	3534	Observation id
title	AO4B ACIS-I CALIBRATION OBSERVATIONS OF E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72[I2,-120,4.7,2.5,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	16.020836860377	Nominal RA [deg]
dec_nom	-72.117795609595	Nominal Dec [deg]
roll_nom	61.999300870415	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7756.7999711037	Sum of GTIs [s]
livetime	7658.5786992854	Livetime [s]
ontime0	7756.7999711037	Sum of GTIs [s]
ontime1	7756.7999711037	Sum of GTIs [s]
ontime2	7756.7999711037	Sum of GTIs [s]
ontime3	7753.5590008497	Sum of GTIs [s]
ontime6	7756.7999711037	Sum of GTIs [s]
ontime7	7756.7999711037	Sum of GTIs [s]
l2events	61254	Number of level 2 events



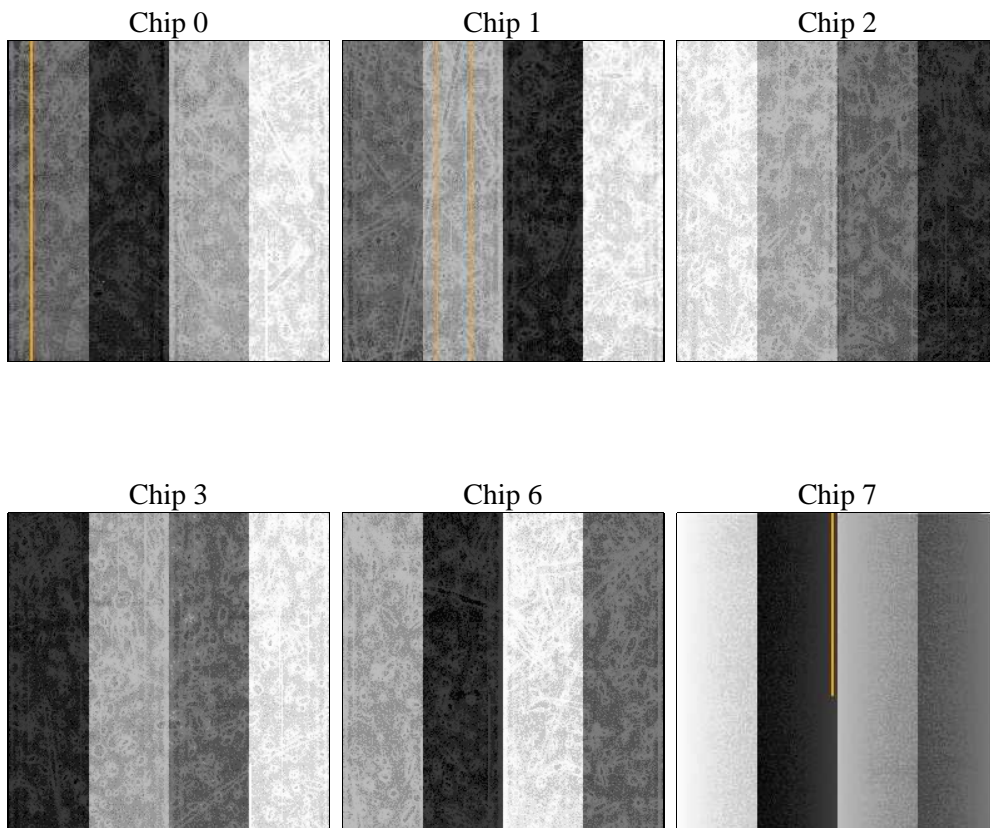
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7756.7999711037	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	7756.7999711037	Sum of GTIs [s]
date	2012-11-03T14:28:28	Date and time of file creation	ontime1	7756.7999711037	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7756.7999711037	Sum of GTIs [s]
			ontime3	7753.5590008497	Sum of GTIs [s]
			ontime6	7756.7999711037	Sum of GTIs [s]
			ontime7	7756.7999711037	Sum of GTIs [s]
			l1events	250744	Number of level 1 events

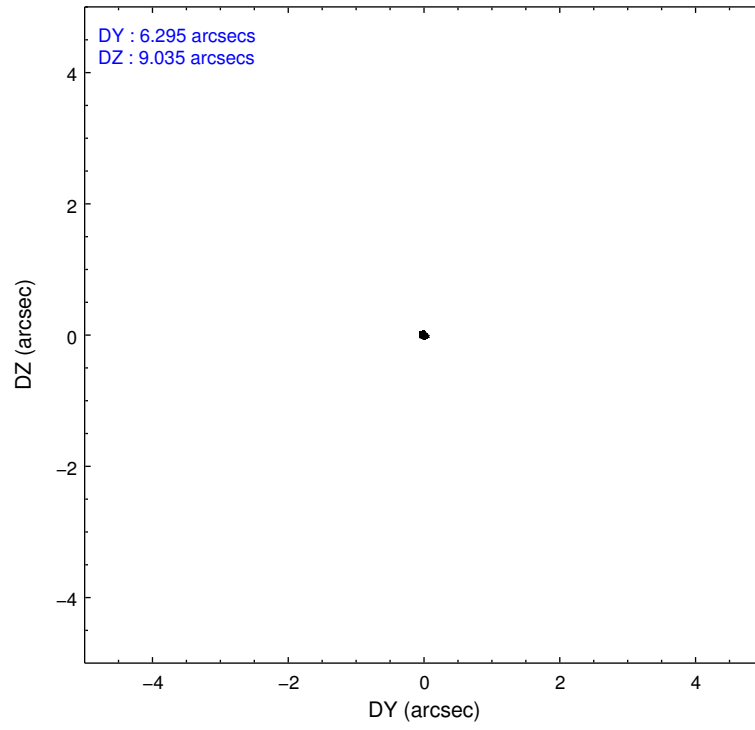
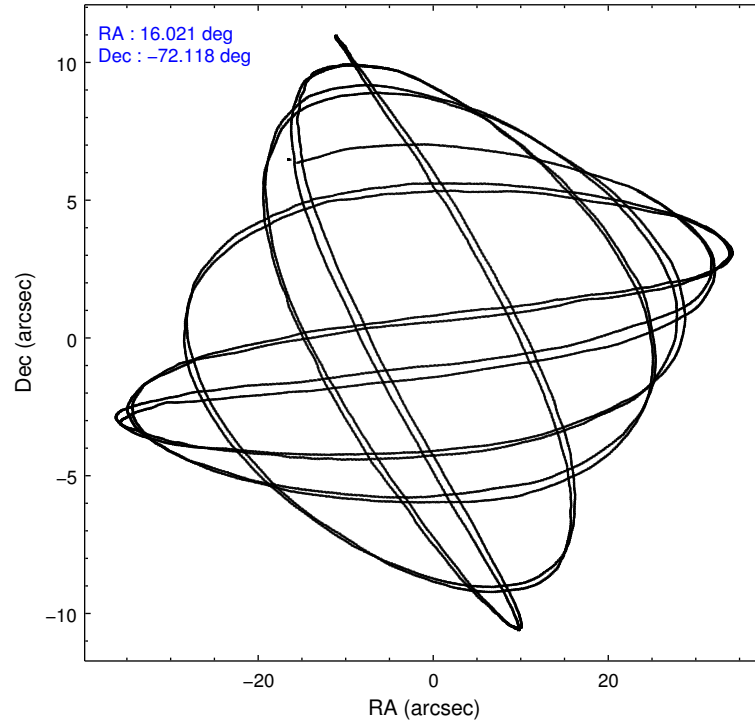
2.1.4 Events

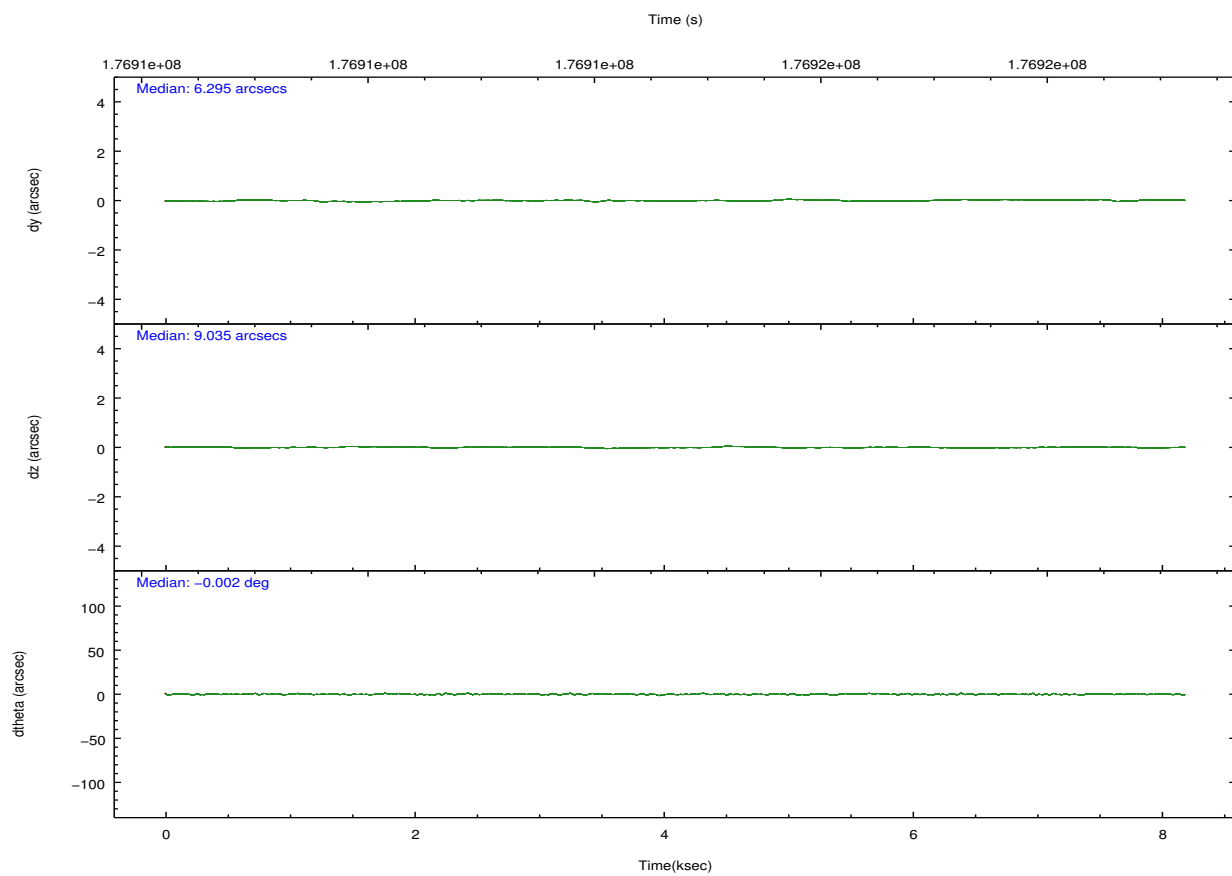
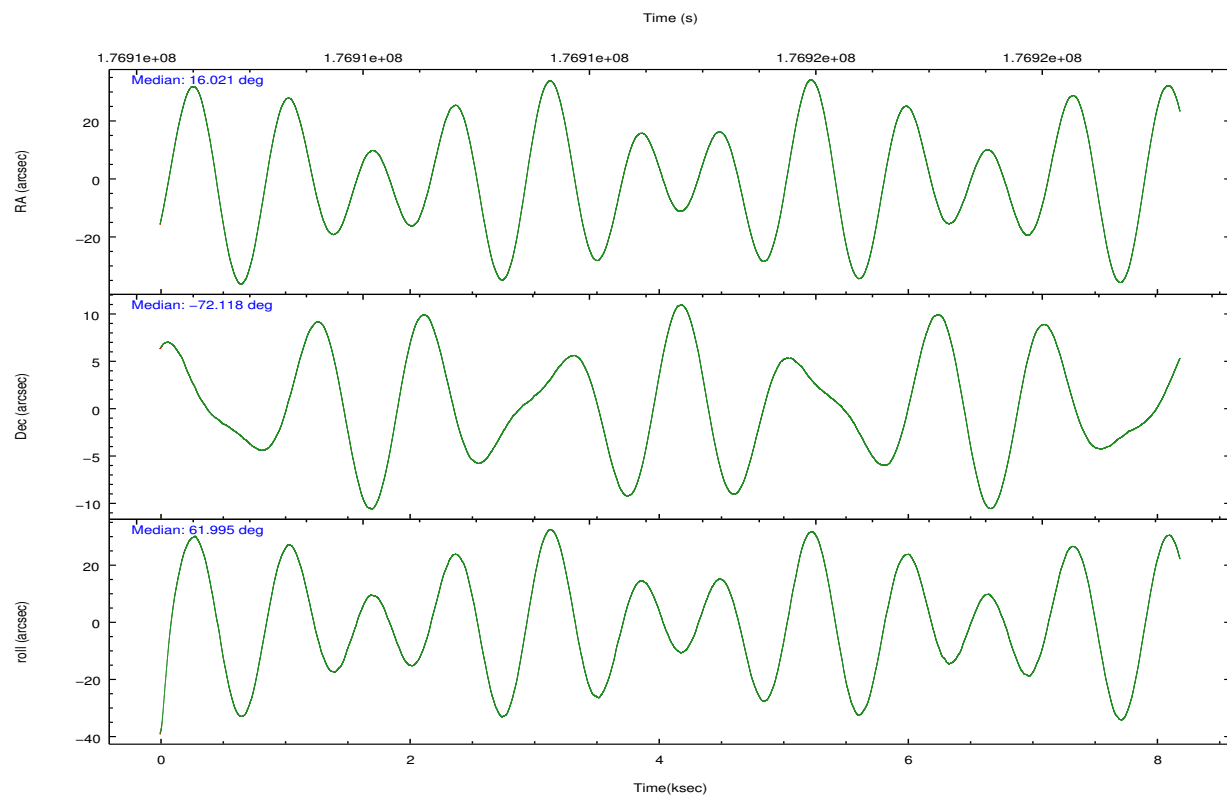
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	35351	36146	65866	37606	38586	37189	grade 0 events	2071	1737	23953	1796	1568	2194
rejected events	30847	31864	36906	33613	34580	17585		5%	4%	36%	4%	4%	5%
rejected %	87%	88%	56%	89%	89%	47%	grade 1 events	21	18	223	24	27	45
								0%	0%	0%	0%	0%	0%
							grade 2 events	875	870	2451	760	819	4164
								2%	2%	3%	2%	2%	11%
							grade 3 events	481	486	921	409	449	1930
								1%	1%	1%	1%	1%	5%
							grade 4 events	435	452	871	448	425	1932
								1%	1%	1%	1%	1%	5%
							grade 5 events	1102	1184	1139	1255	1264	3799
								3%	3%	1%	3%	3%	10%
							grade 6 events	644	740	778	582	749	9388
								1%	2%	1%	1%	1%	25%
							grade 7 events	29722	30659	35530	32332	33285	13737
								84%	84%	53%	85%	86%	36%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	16.024147	16.02083686037686	Subarray requested	NONE	NONE
[deg] Pointing Dec	-72.145205	-72.11779560959549	Alternating exposures requested	N	N
[deg] Pointing Roll	61.793798	61.9993008704154	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	174614464.184000	174614464.184000			
[s] Window stop time (MET)	177292864.184000	177292864.184000			
[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)	176910805.184000	176910429.98881			
Observation start date	2003-08-10T13:52:21	2003-08-10T13:47:09			
[s] Observation end time (MET)	176918805.184000	176918955.42667			
Observation end date	2003-08-10T16:05:41	2003-08-10T16:09:15			
Read mode	TIMED	TIMED			

2.3 Aspect



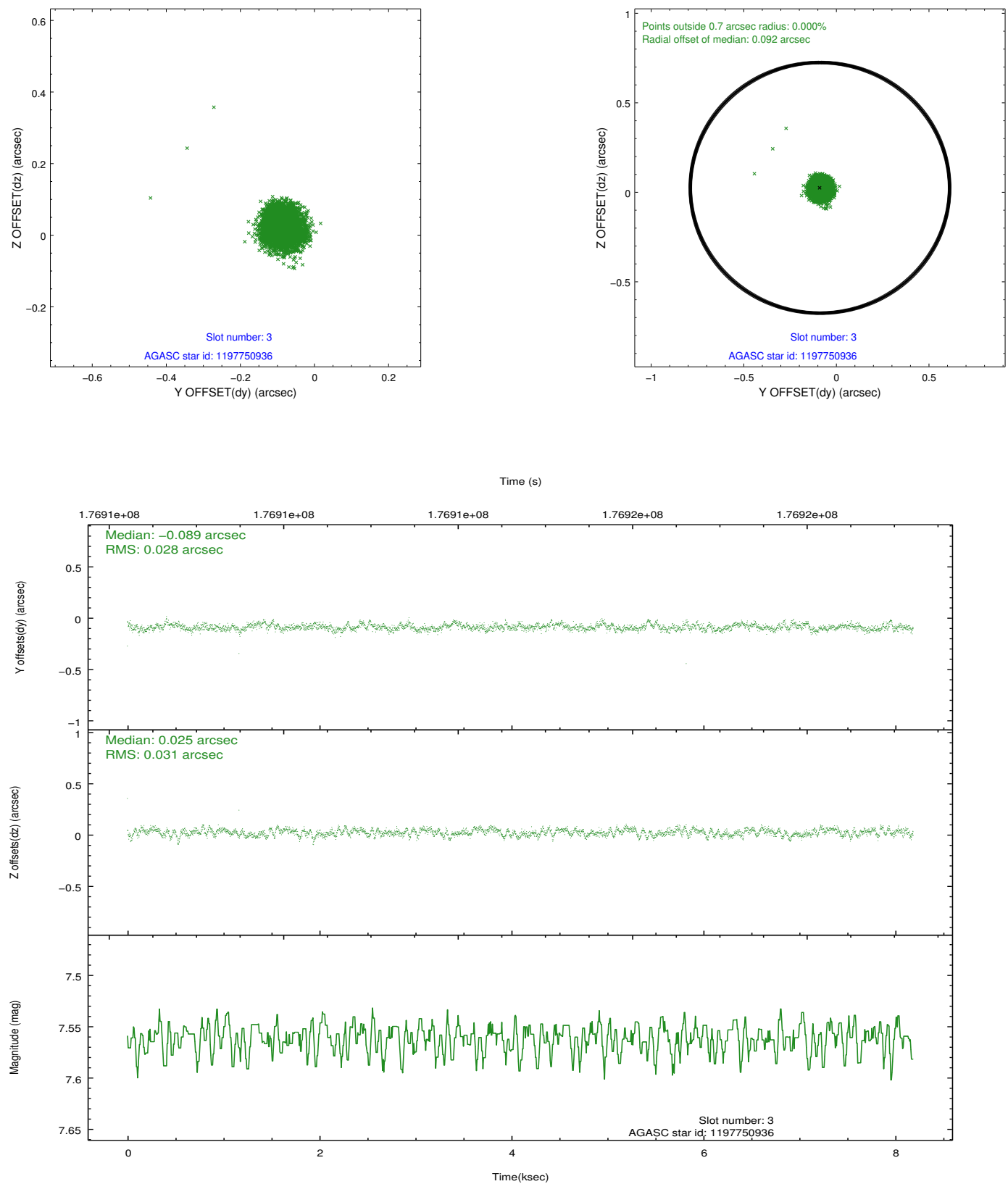


Slot Statistics

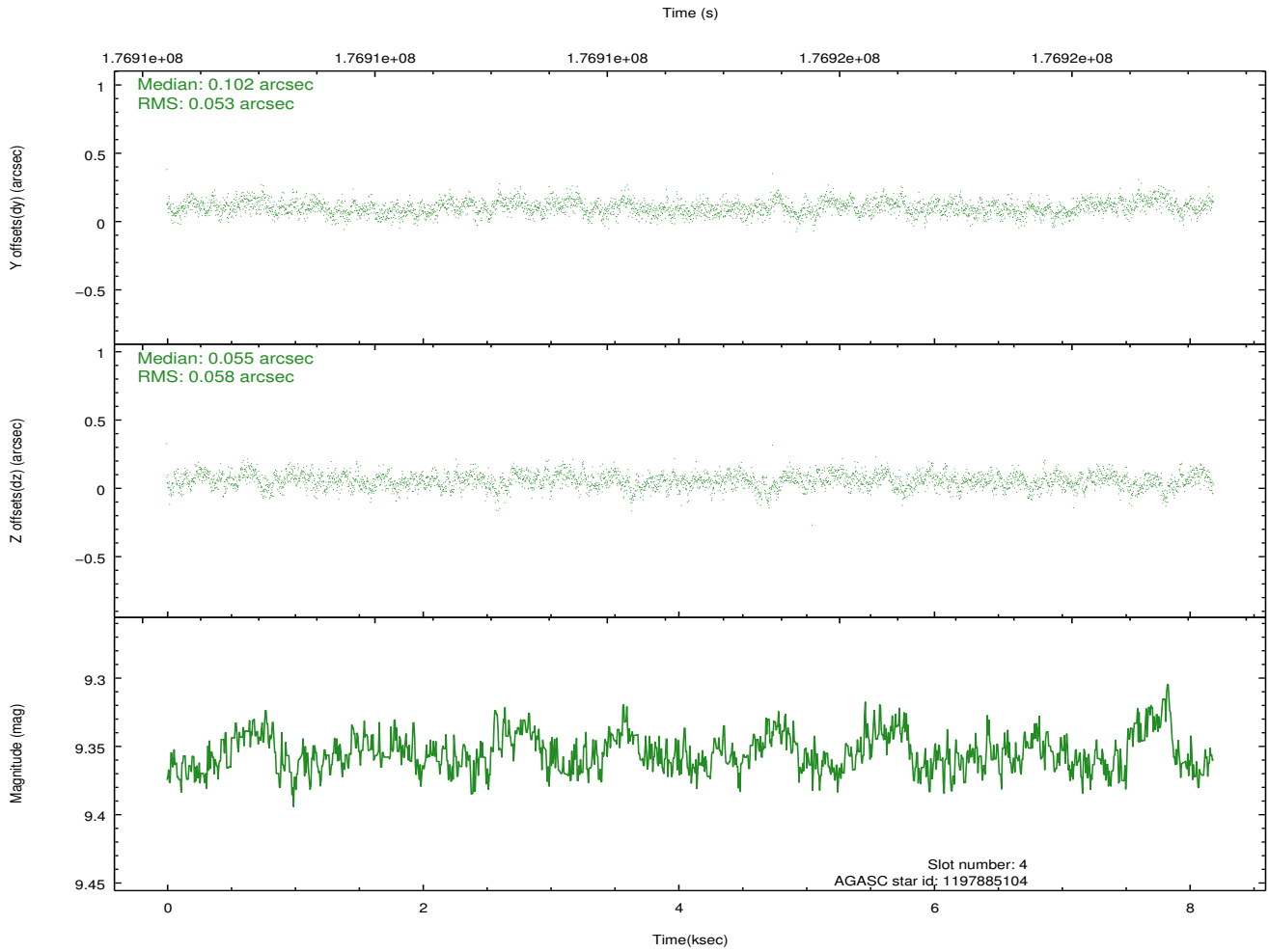
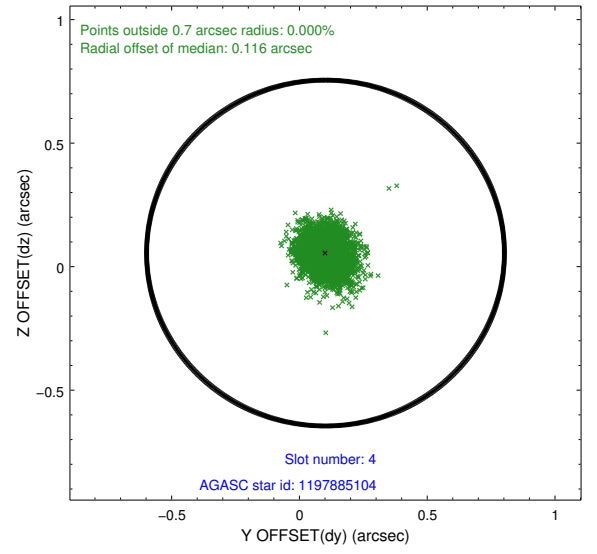
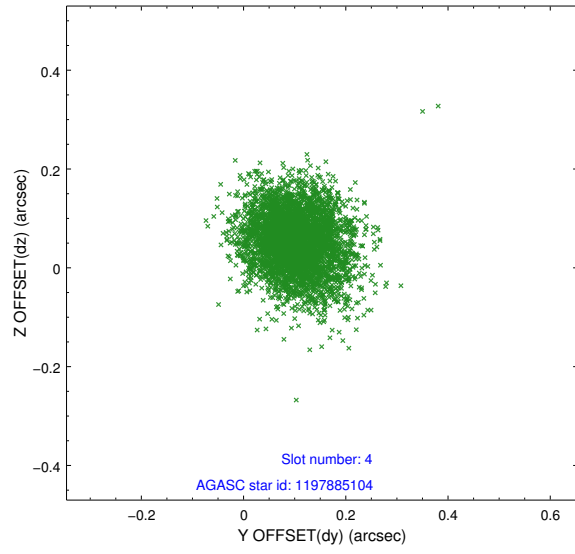
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	1998	0.001	0.042	0.006	0.011	0.000000	0.000000	933.41	-832.43
1	FID	ACIS-I-5	7.23	1998	-0.139	0.033	0.006	0.010	0.000000	0.000000	-1814.46	1064.70
2	FID	ACIS-I-6	7.26	1998	0.047	-0.005	0.007	0.011	0.000000	0.000000	398.25	1709.94
3	GUIDE	1197750936	7.56	3995	-0.089	0.025	0.044	0.070	15.387940	-71.549550	1543.40	1650.79
4	GUIDE	1197885104	9.36	3992	0.102	0.055	0.082	0.134	17.845067	-72.189368	781.03	-1855.43
5	GUIDE	1197885328	7.24	3995	0.022	-0.115	0.055	0.087	16.283090	-71.733943	1442.73	441.52
6	GUIDE	1198189696	7.35	3995	0.041	0.103	0.053	0.087	15.223750	-72.697522	-2161.96	-187.06
7	GUIDE	1198282744	9.00	3993	-0.079	-0.072	0.070	0.116	17.028326	-73.013356	-2263.46	-2412.26

2.4 Star Slots

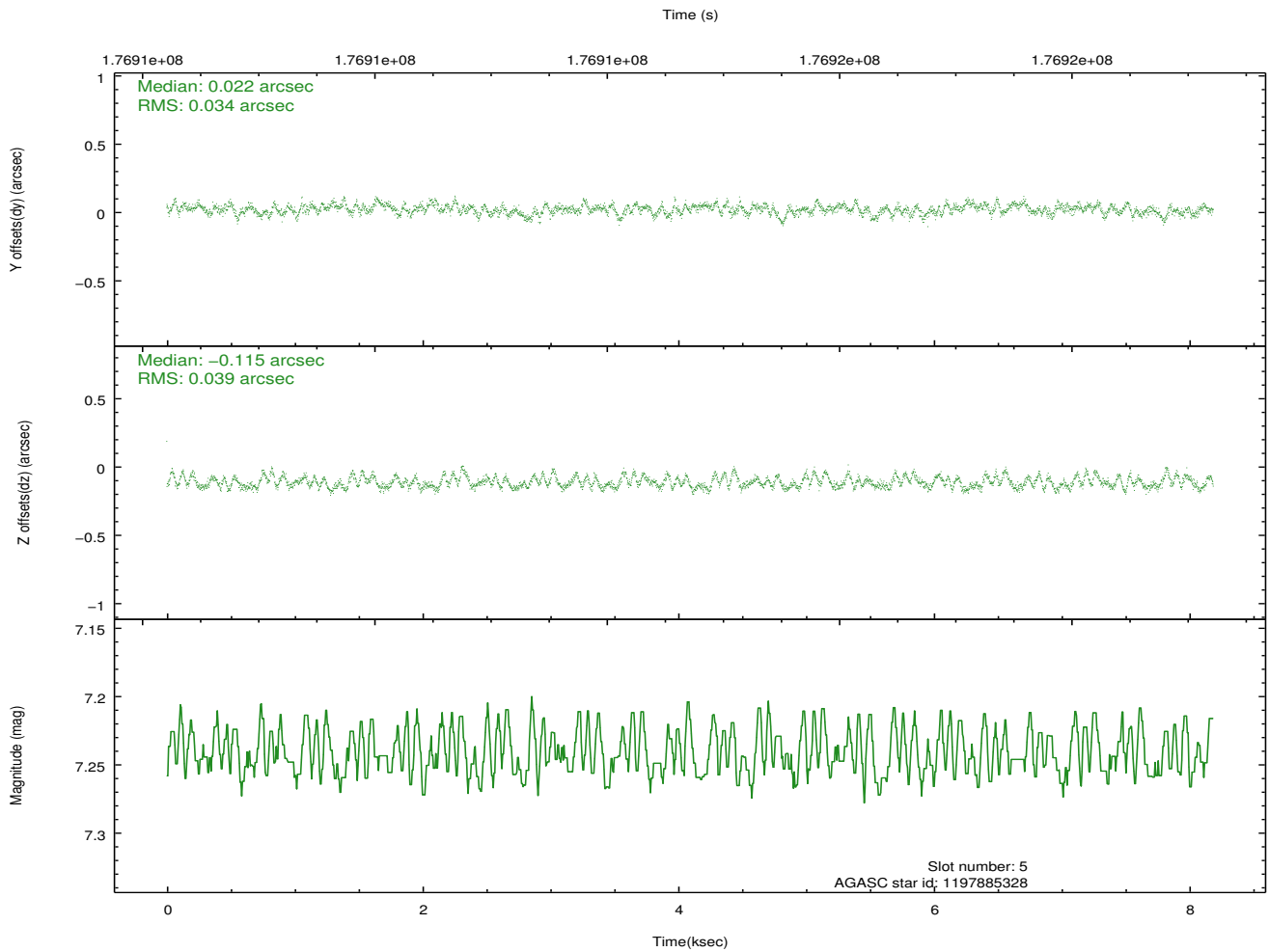
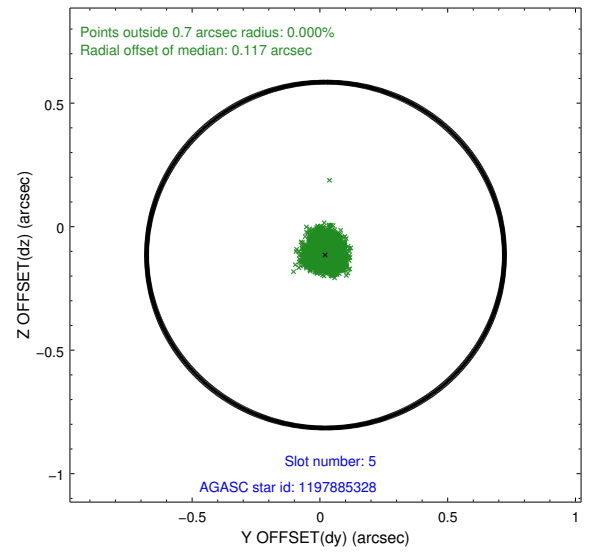
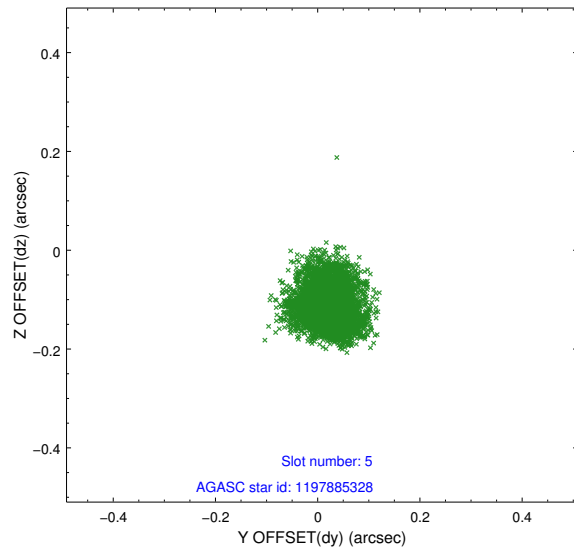
2.4.1 Slot 3



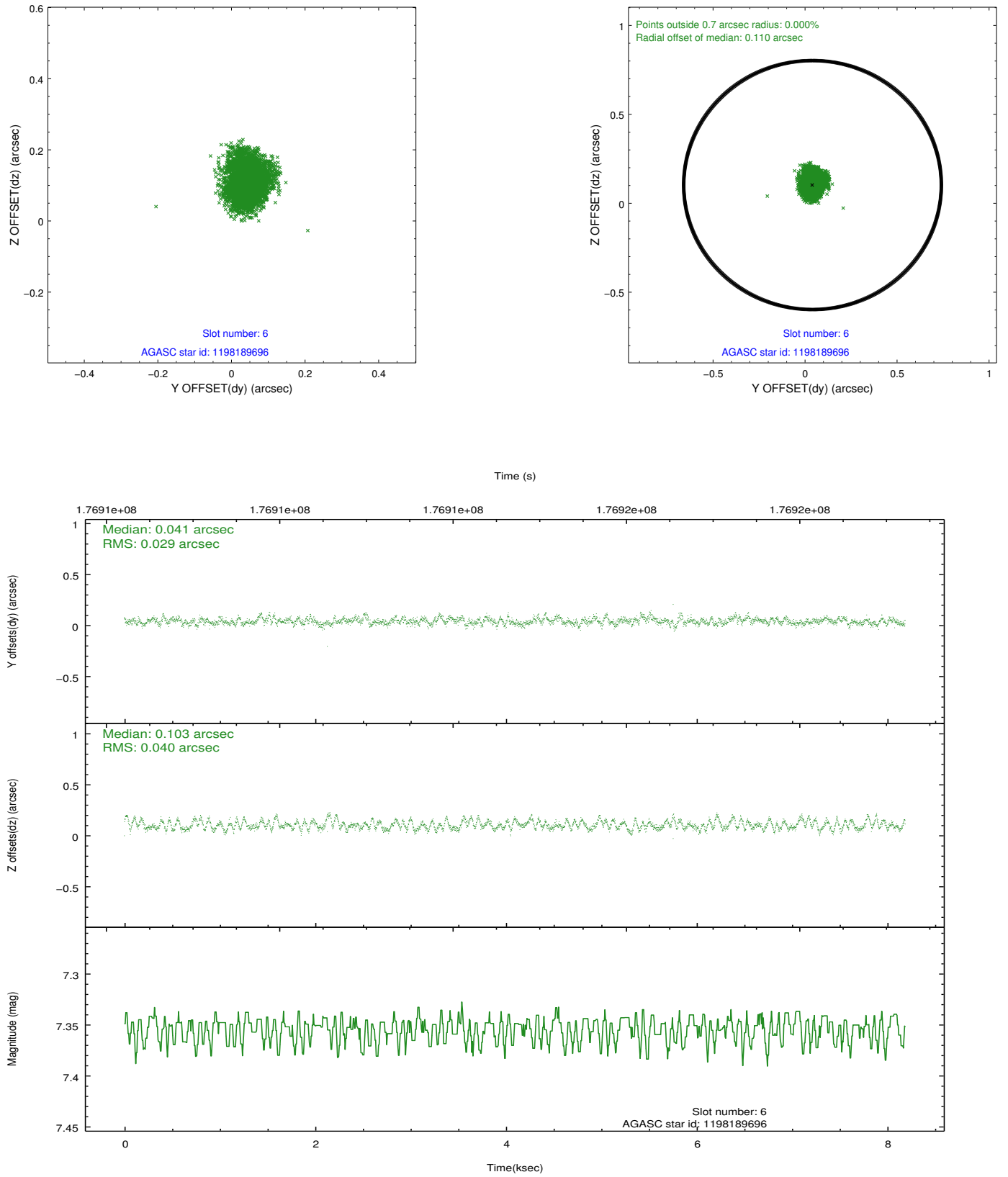
2.4.2 Slot 4



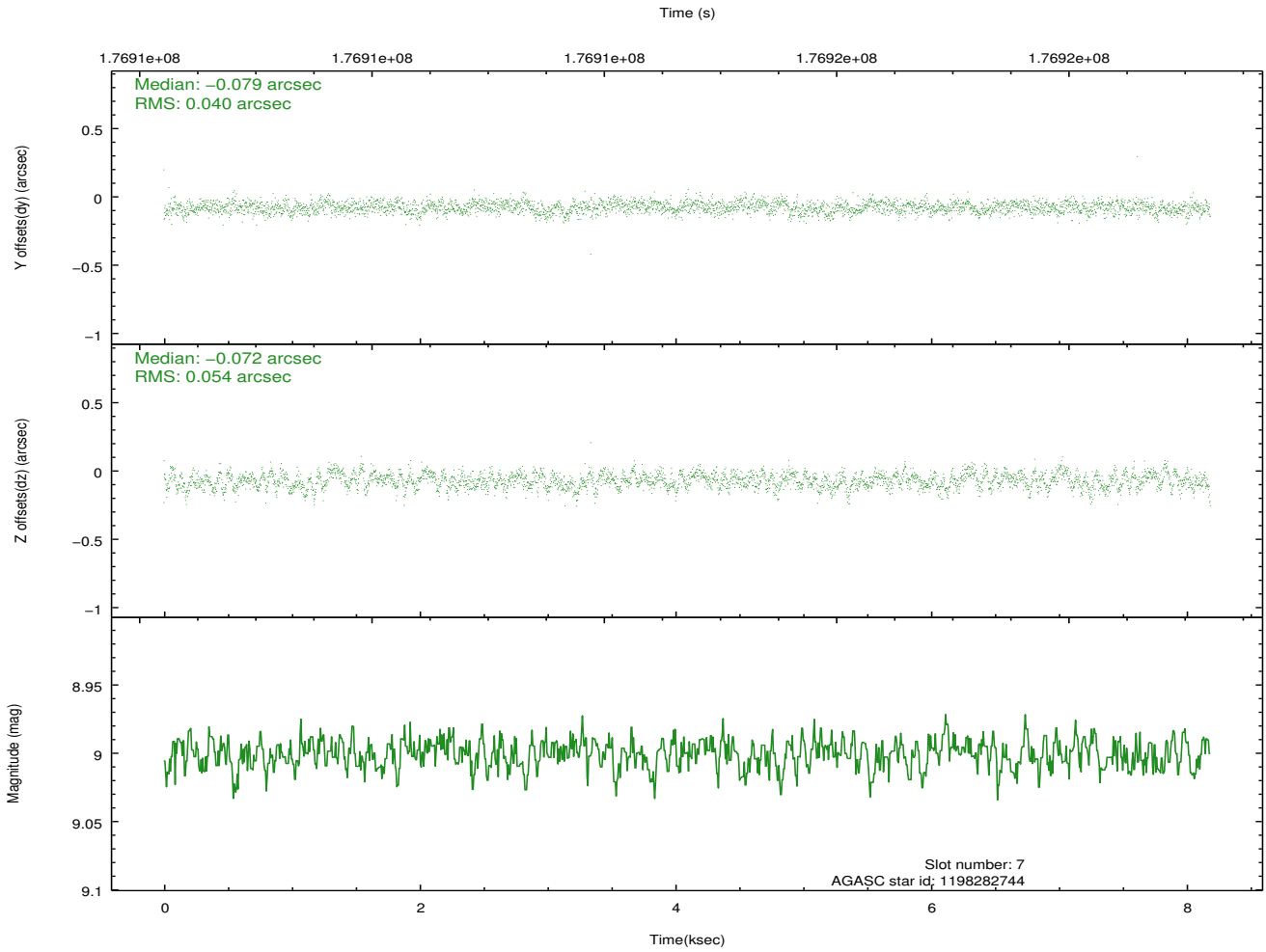
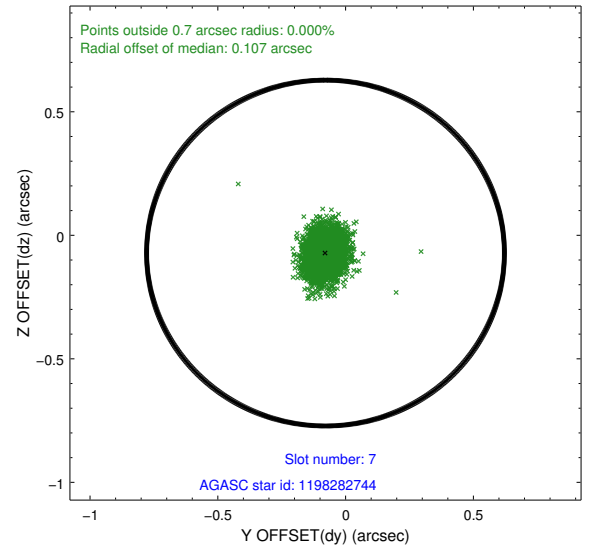
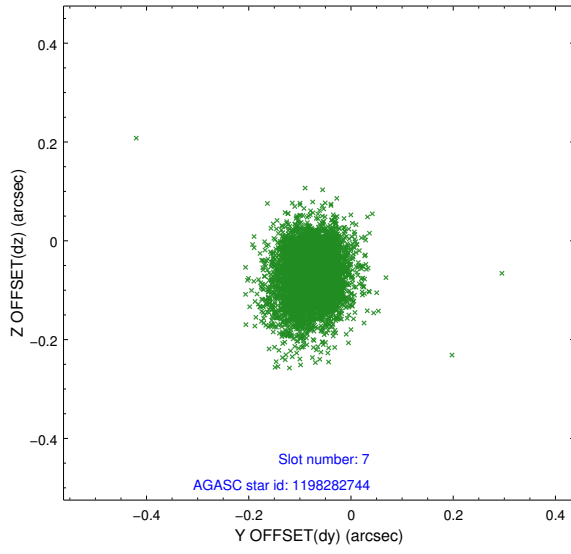
2.4.3 Slot 5



2.4.4 Slot 6

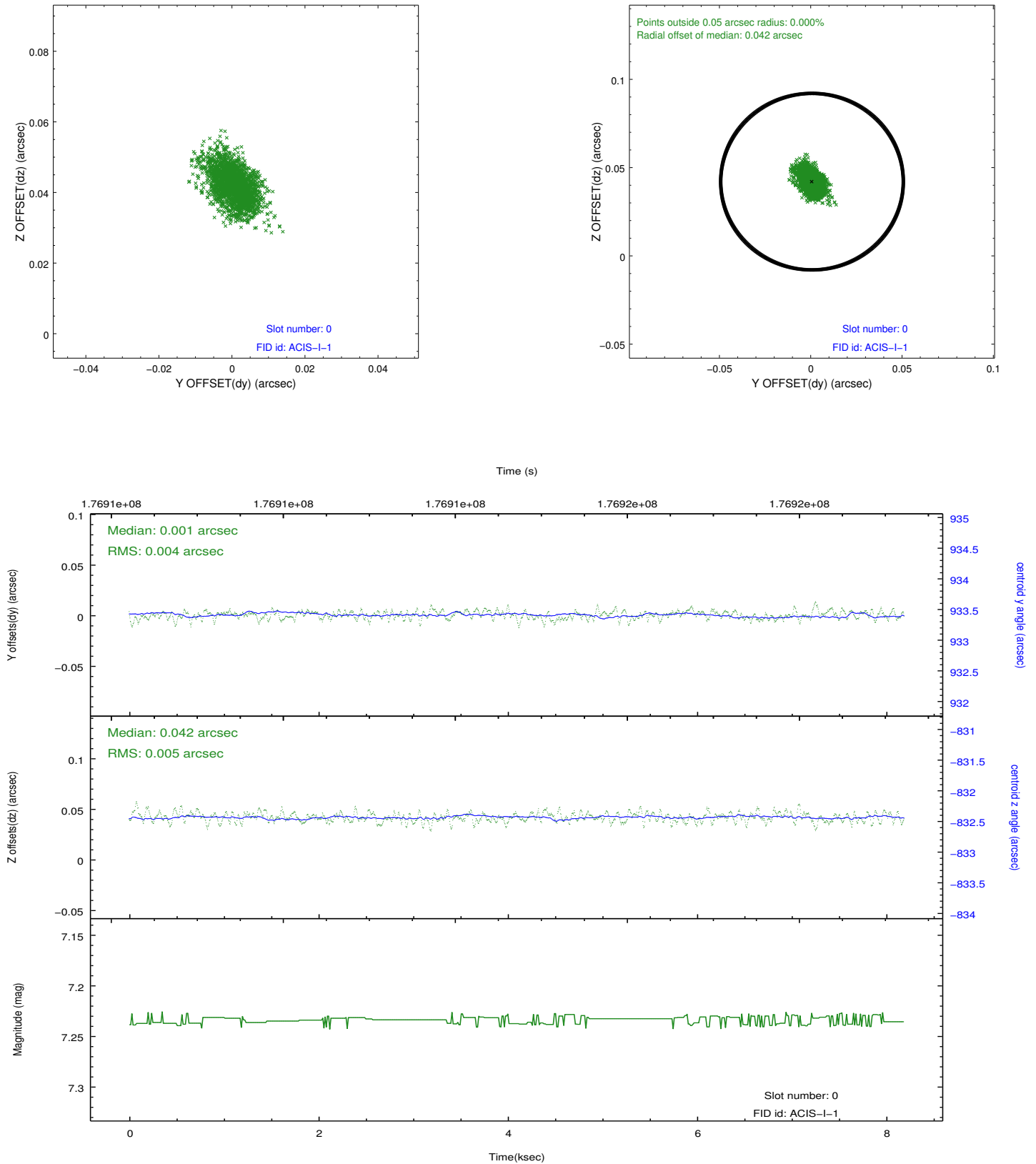


2.4.5 Slot 7

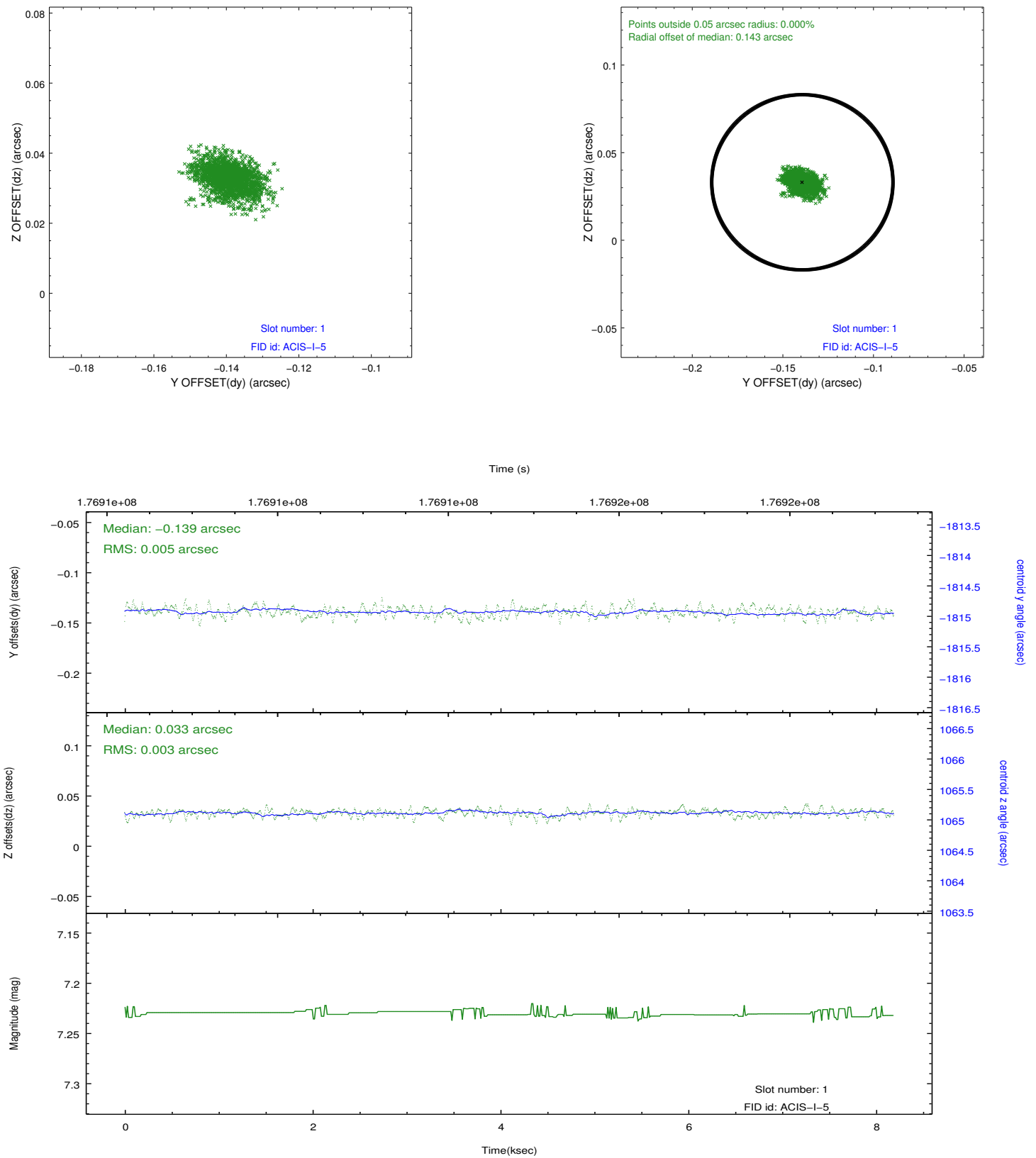


2.5 FID Slots

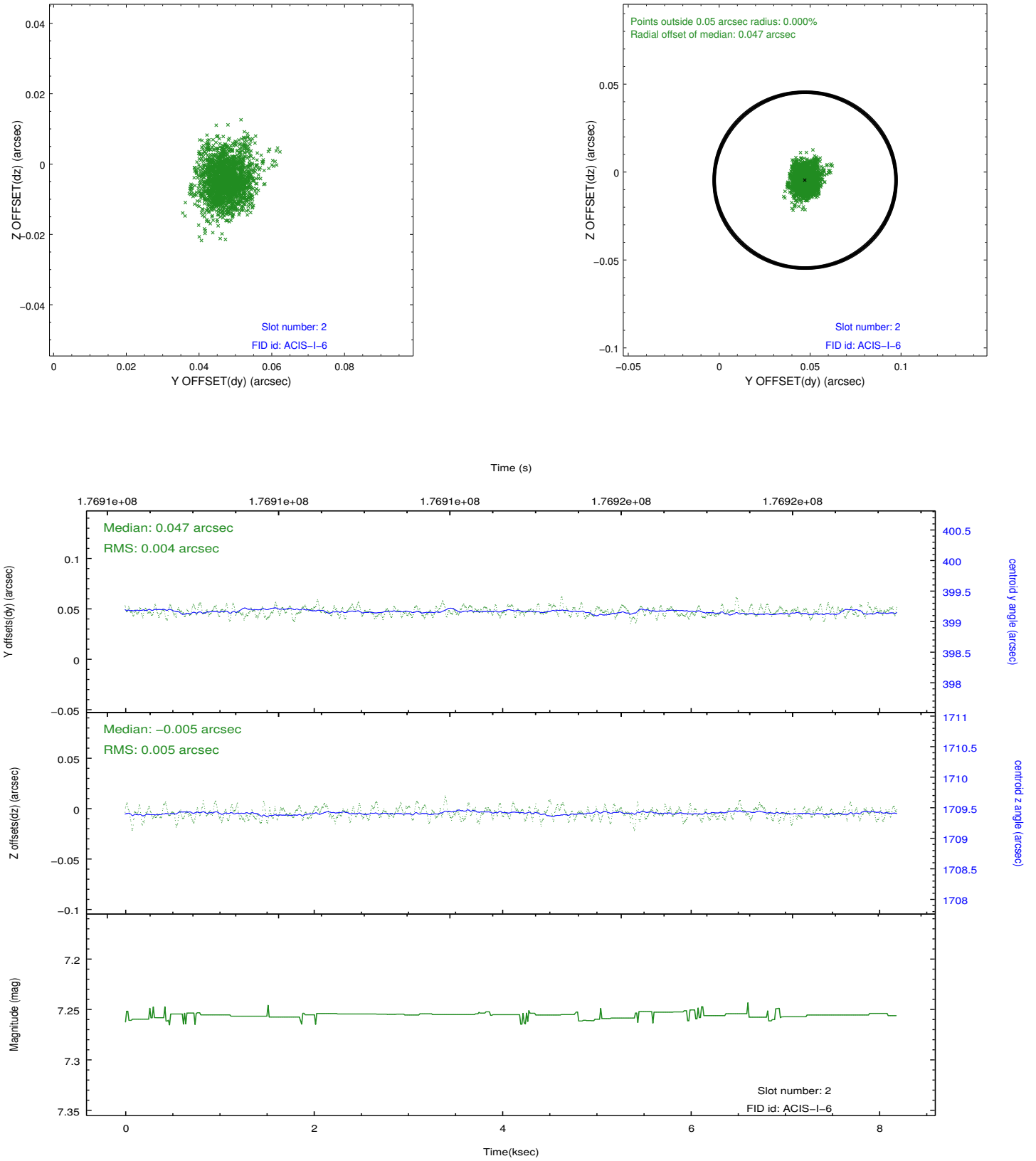
2.5.1 Slot 0



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)	2012.11.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.759

A.2 Comments

Window constraint satisfied.