

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10820 - L2 Version 2
Chandra X-Ray Center

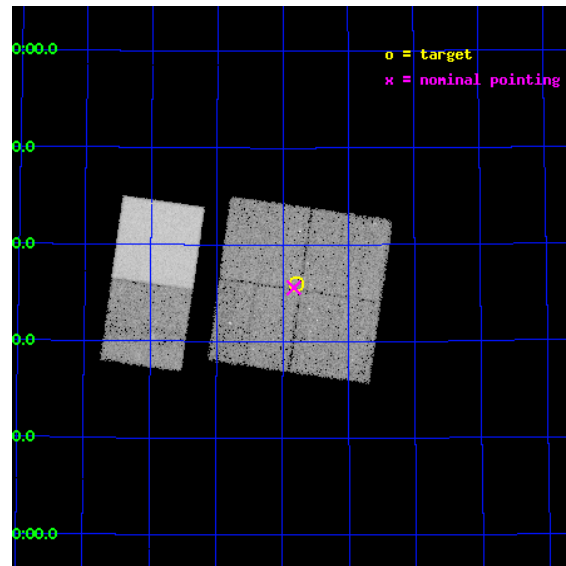
L2 Processing Date : May 24 2012

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1 Front

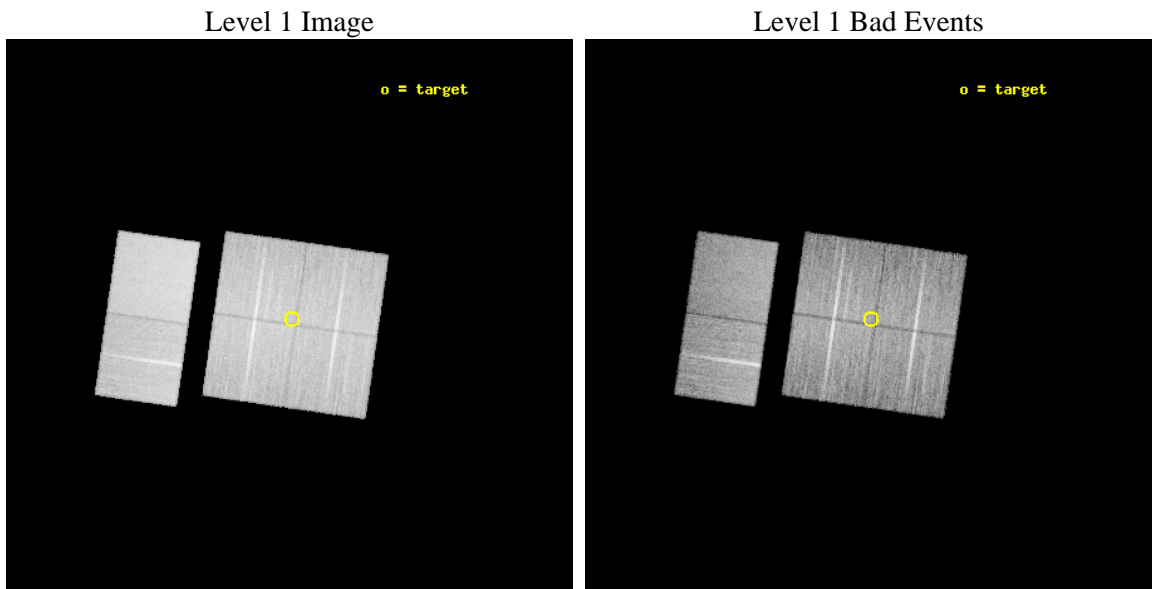
seq_num	200519	Sequence number
obs_id	10820	Observation id
title	The Evolution of X-ray Emission in the Planet-Forming Era	Proposal
observer	Dr Jon Miller	Principal investigator
object	NGC 7160	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	328.45	Observer's specified target RA [deg]
dec_targ	62.6	Observer's specified target Dec [deg]
ra_nom	328.45756471257	Nominal RA [deg]
dec_nom	62.592742616195	Nominal Dec [deg]
roll_nom	278.20197513845	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15945.558940291	Sum of GTIs [s]
livetime	15743.646671727	Livetime [s]
ontime0	15948.799940646	Sum of GTIs [s]
ontime1	15948.799940646	Sum of GTIs [s]
ontime2	15948.799940646	Sum of GTIs [s]
ontime3	15945.558940291	Sum of GTIs [s]
ontime6	15948.799940646	Sum of GTIs [s]
ontime7	15948.799940646	Sum of GTIs [s]
l2events	177185	Number of level 2 events



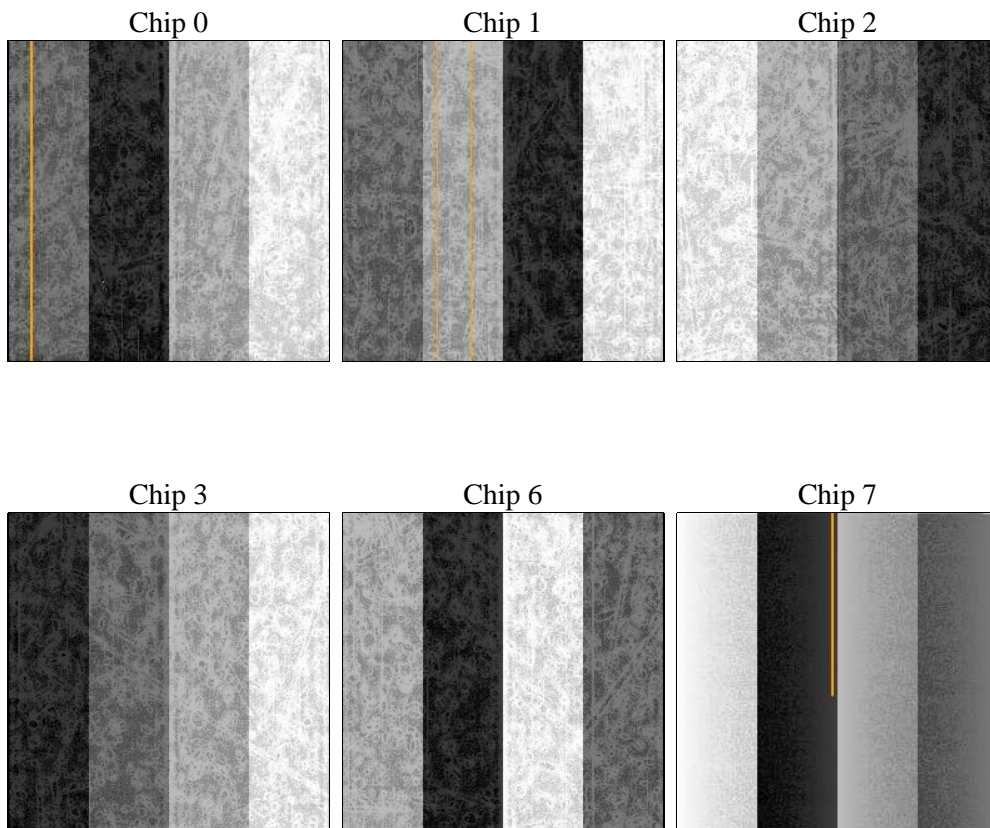
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	16000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	15945.558940291	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	15948.799940646	Sum of GTIs [s]
date	2012-05-24T15:53:38	Date and time of file creation	ontime1	15948.799940646	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	15948.799940646	Sum of GTIs [s]
			ontime3	15945.558940291	Sum of GTIs [s]
			ontime6	15948.799940646	Sum of GTIs [s]
			ontime7	15948.799940646	Sum of GTIs [s]
			l1events	1001882	Number of level 1 events

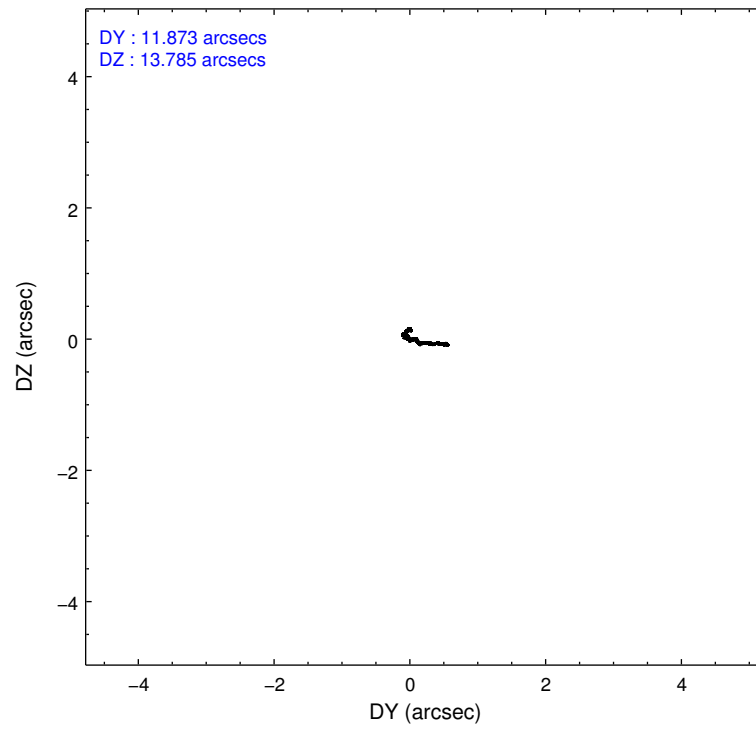
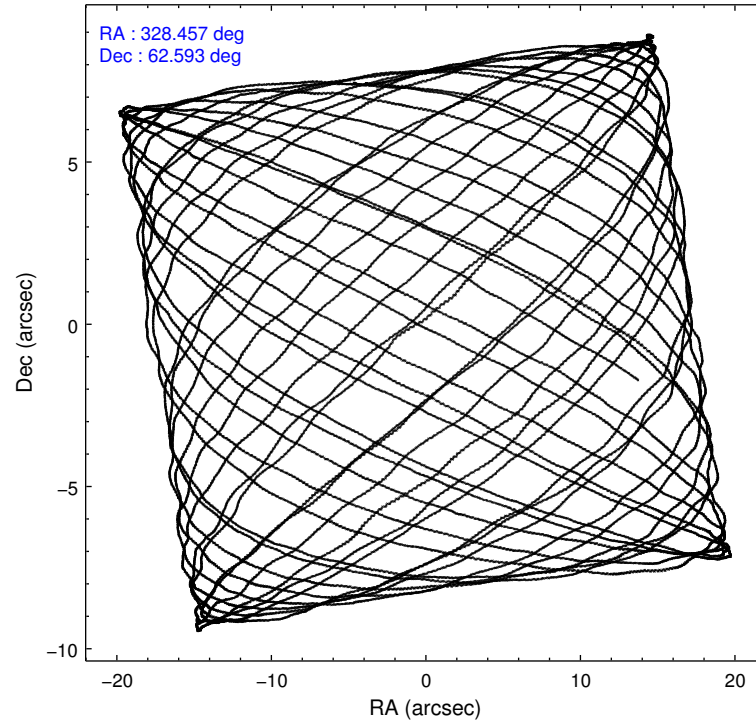
2.1.4 Events

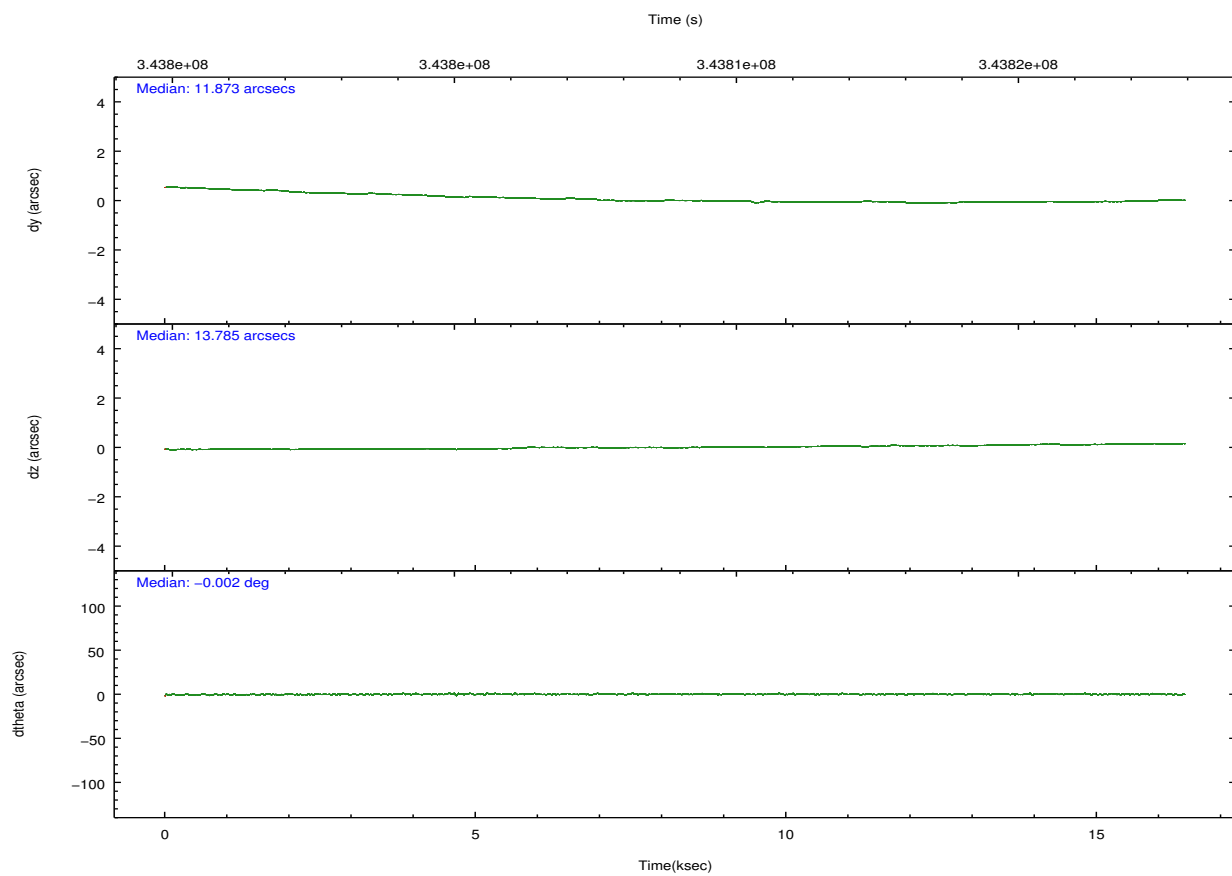
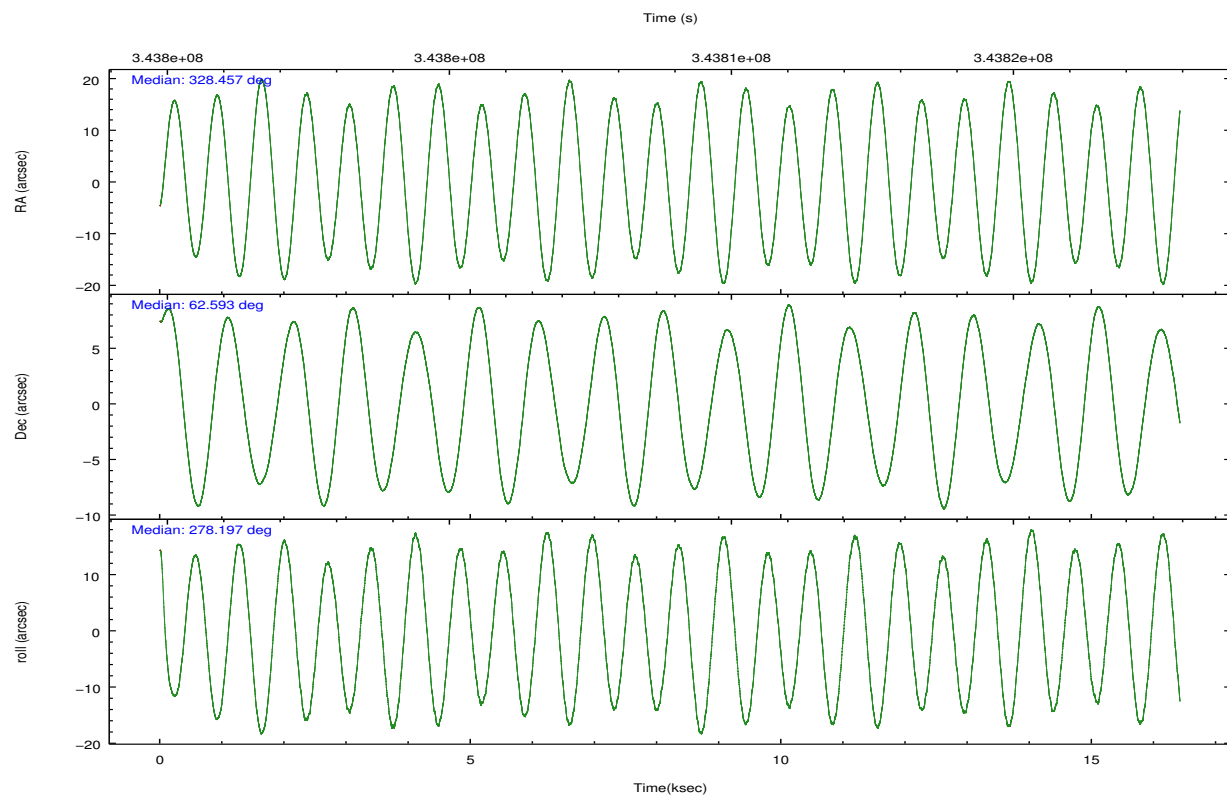
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	146766	150494	158262	157154	165350	223856	grade 0 events	8927	8018	8030	8598	7795	7737
rejected events	126338	129600	139255	137489	145295	131063		6%	5%	5%	5%	4%	3%
rejected %	86%	86%	87%	87%	87%	58%	grade 1 events	104	82	101	117	92	258
								0%	0%	0%	0%	0%	0%
							grade 2 events	4554	4851	4207	3939	4477	19071
								3%	3%	2%	2%	2%	8%
							grade 3 events	1844	1966	1749	1794	1853	7867
								1%	1%	1%	1%	1%	3%
							grade 4 events	1694	1859	1808	1896	1785	7941
								1%	1%	1%	1%	1%	3%
							grade 5 events	6770	7214	6311	7566	8034	21038
								4%	4%	3%	4%	4%	9%
							grade 6 events	3416	4206	3231	3444	4150	50212
								2%	2%	2%	2%	2%	22%
							grade 7 events	119457	122298	132825	129800	137164	109732
								81%	81%	83%	82%	82%	49%

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	328.420397	328.4575647125723	Subarray requested	NONE	NONE
[deg] Pointing Dec	62.614238	62.59274261619461	Alternating exposures requested	N	N
[deg] Pointing Roll	278.026288	278.2019751384476	[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)	343801130.184000	343799996.55685			
Observation start date	2008-11-23T04:17:45	2008-11-23T03:59:56			
[s] Observation end time (MET)	343817130.184000	343818223.10775			
Observation end date	2008-11-23T08:44:25	2008-11-23T09:03:43			
Read mode	TIMED	TIMED			

2.3 Aspect



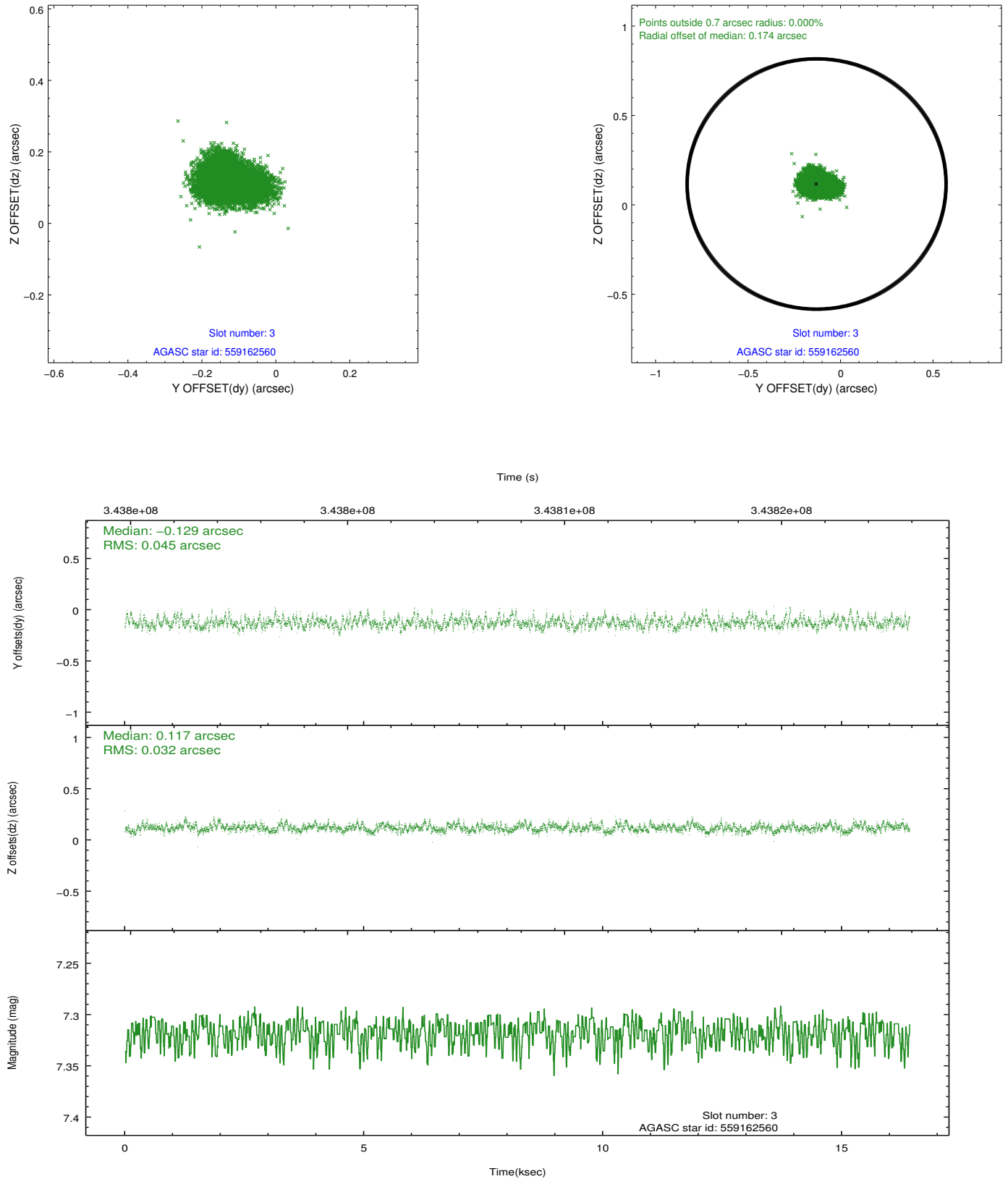


Slot Statistics

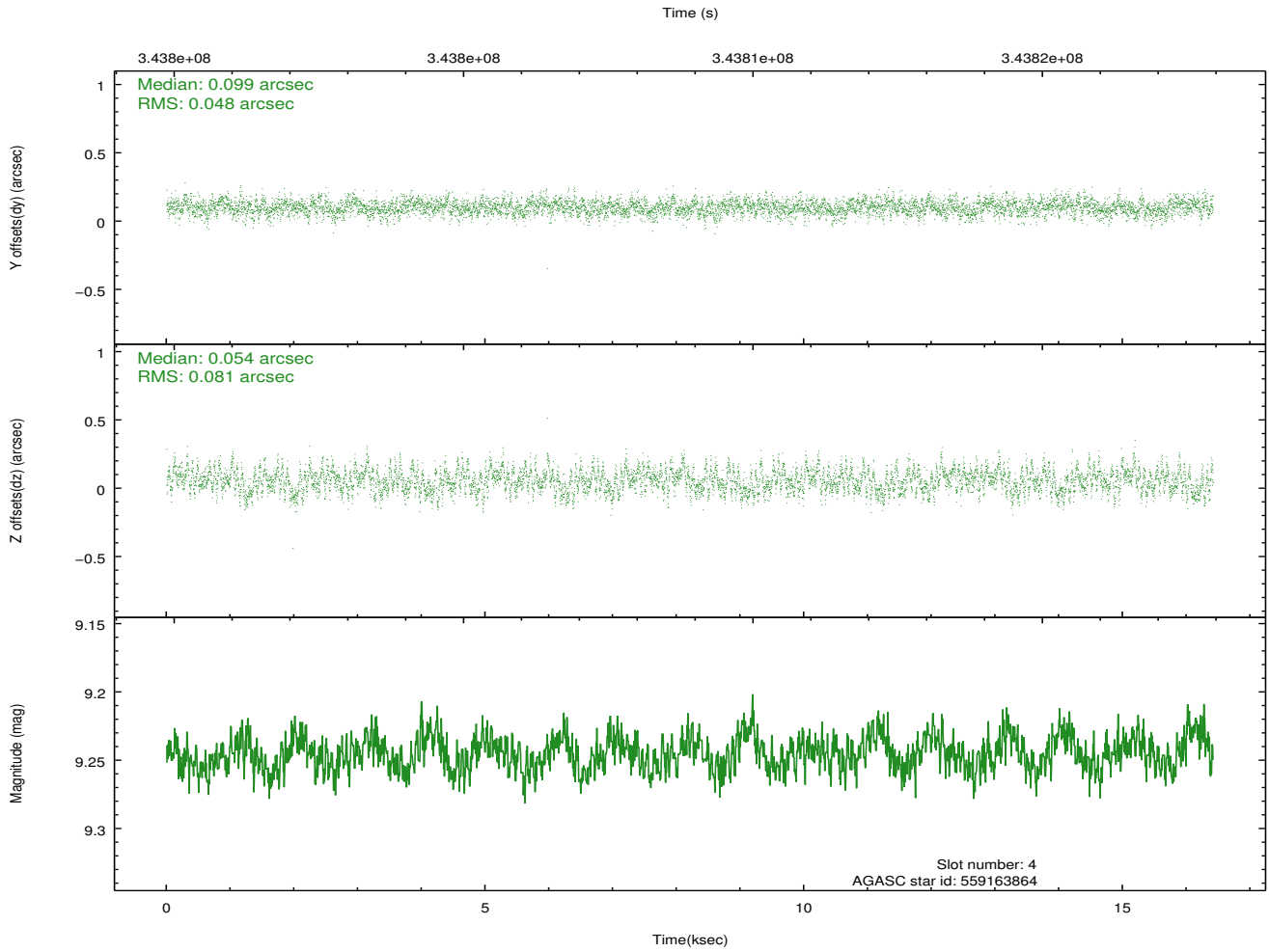
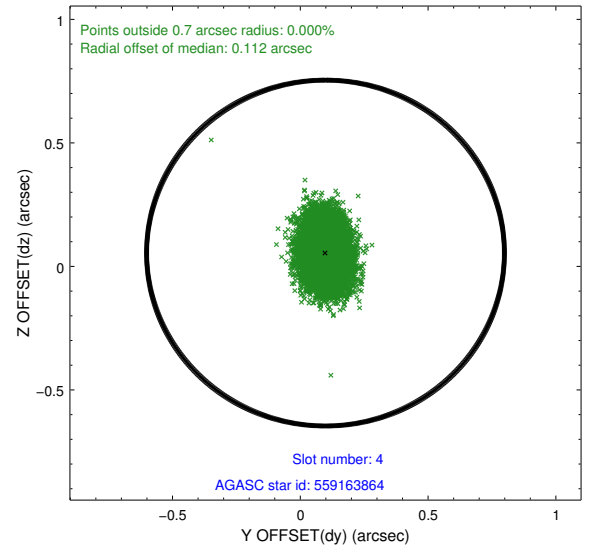
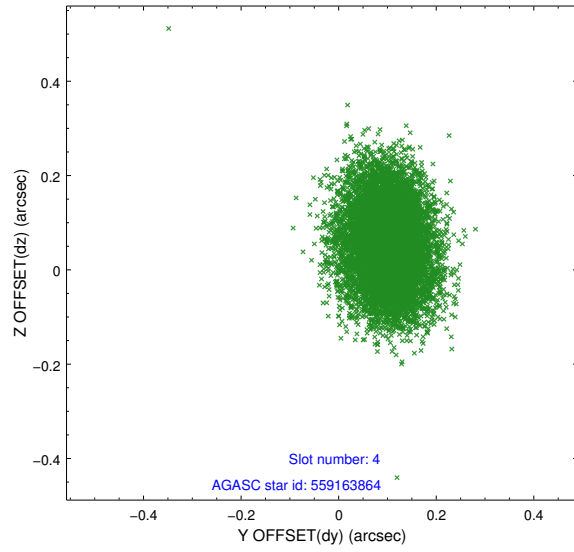
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.10	4005	0.043	0.002	0.006	0.011	0.000000	0.000000	927.63	-837.36
1	FID	ACIS-I-5	7.08	4005	-0.201	0.053	0.007	0.013	0.000000	0.000000	-1820.59	1060.03
2	FID	ACIS-I-6	7.09	4005	0.068	0.015	0.007	0.011	0.000000	0.000000	392.89	1704.81
3	GUIDE	559162560	7.32	8010	-0.129	0.117	0.057	0.096	328.973659	63.261063	-2184.19	1212.87
4	GUIDE	559163864	9.25	8002	0.099	0.054	0.100	0.165	327.323031	62.690574	-540.26	-1753.51
5	GUIDE	559167352	7.19	8010	-0.035	0.043	0.065	0.107	328.757272	62.009100	2235.37	259.83
6	GUIDE	559171856	8.05	8007	0.036	0.152	0.067	0.105	329.066735	62.894631	-856.24	1191.71
7	GUIDE	559165880	8.06	8008	0.020	-0.366	0.061	0.097	329.840271	62.759696	-217.35	2393.20

2.4 Star Slots

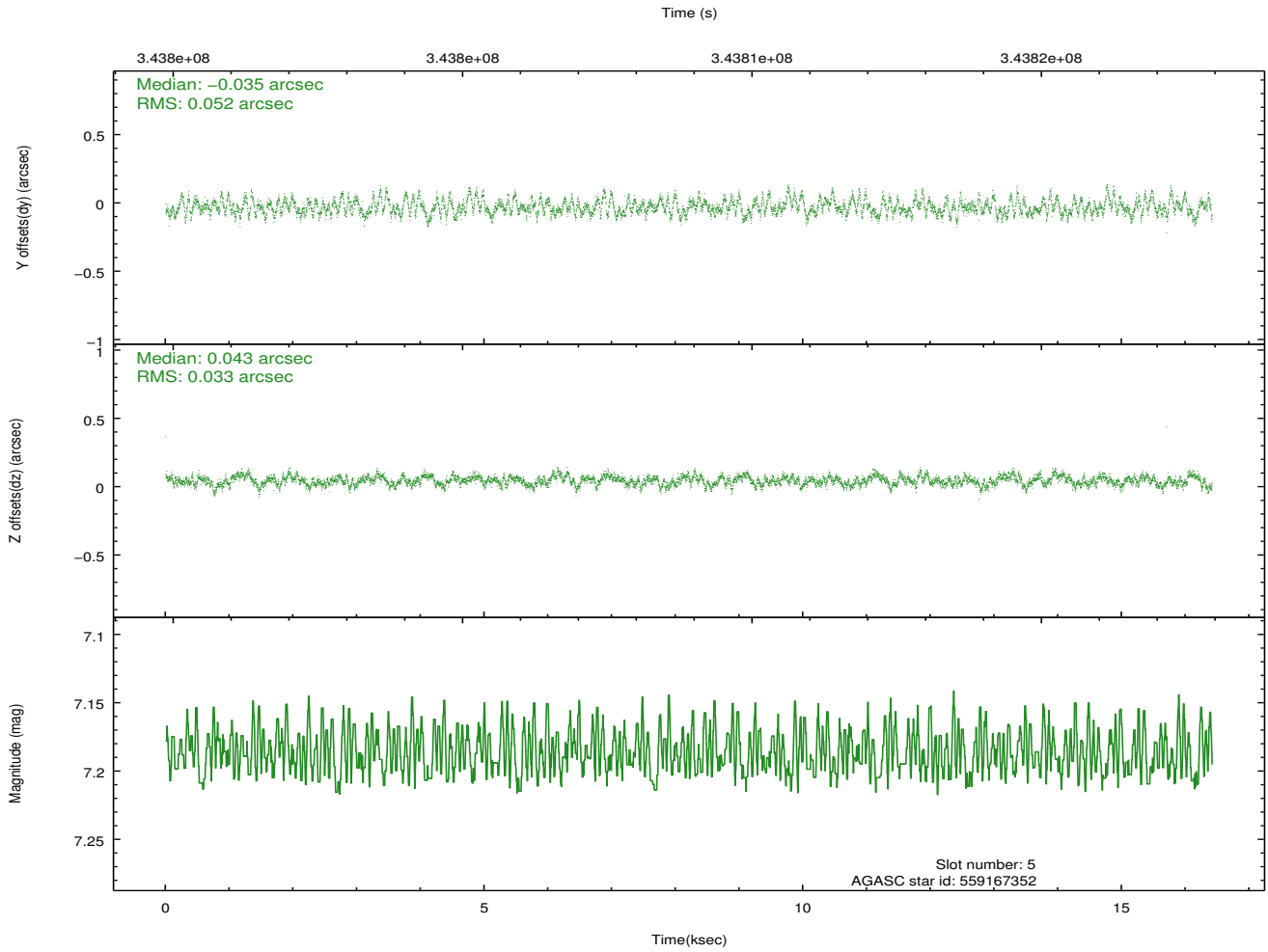
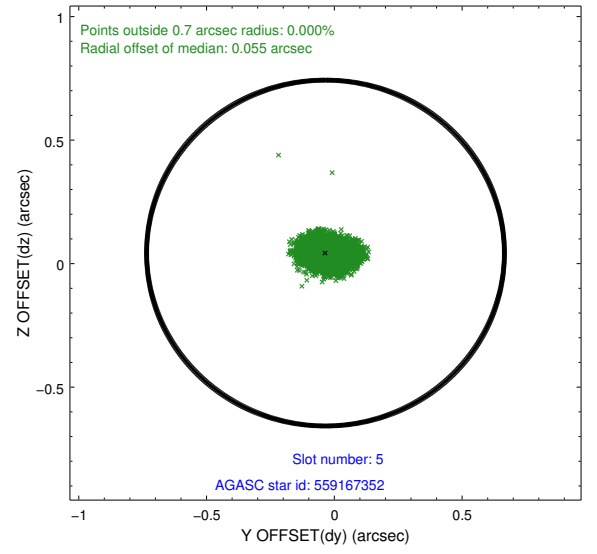
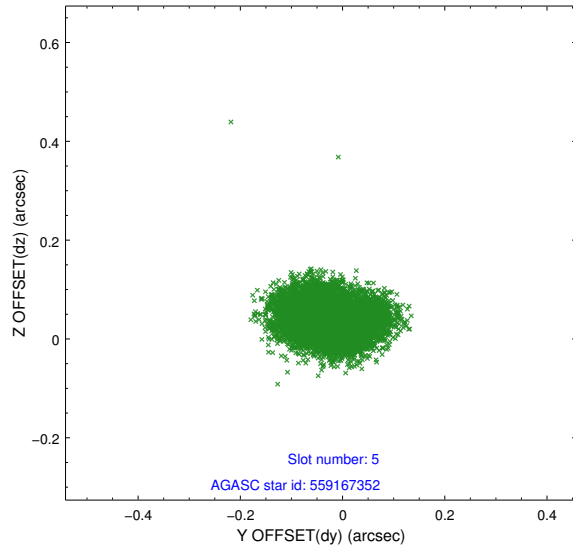
2.4.1 Slot 3



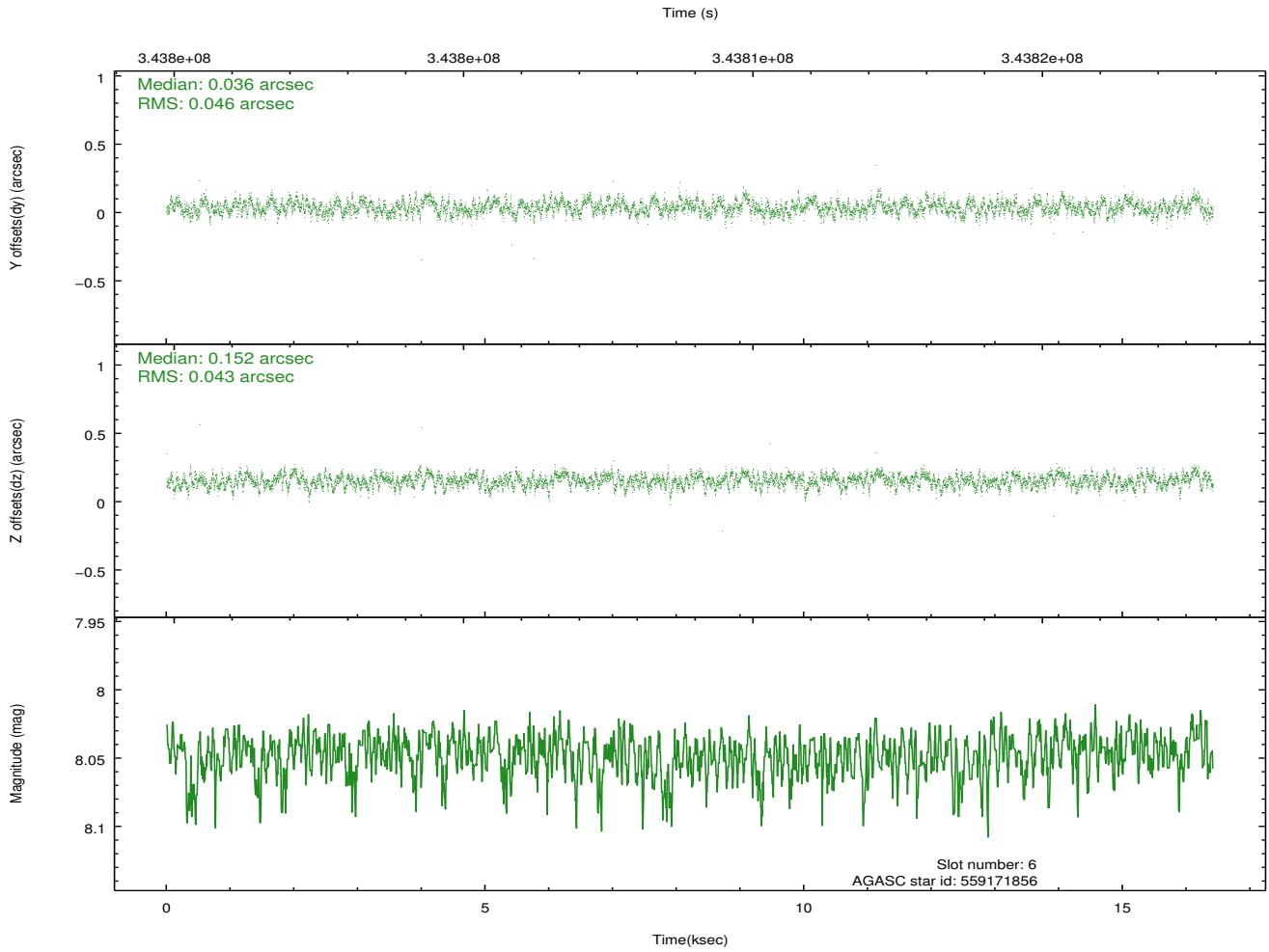
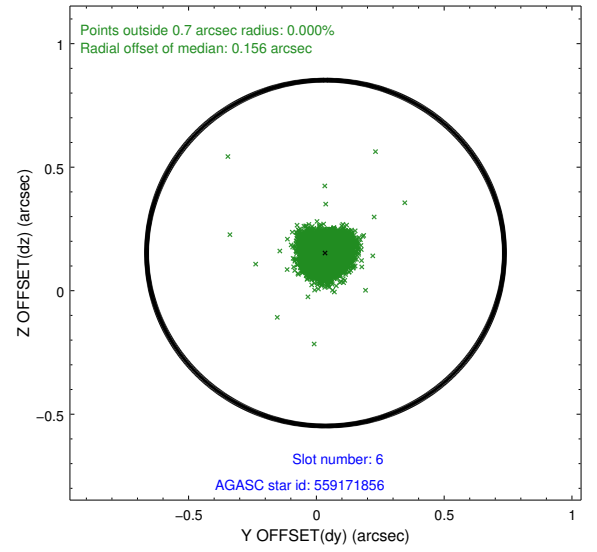
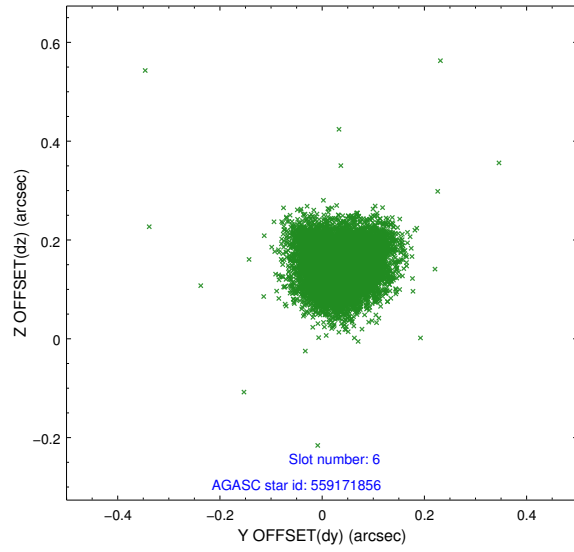
2.4.2 Slot 4



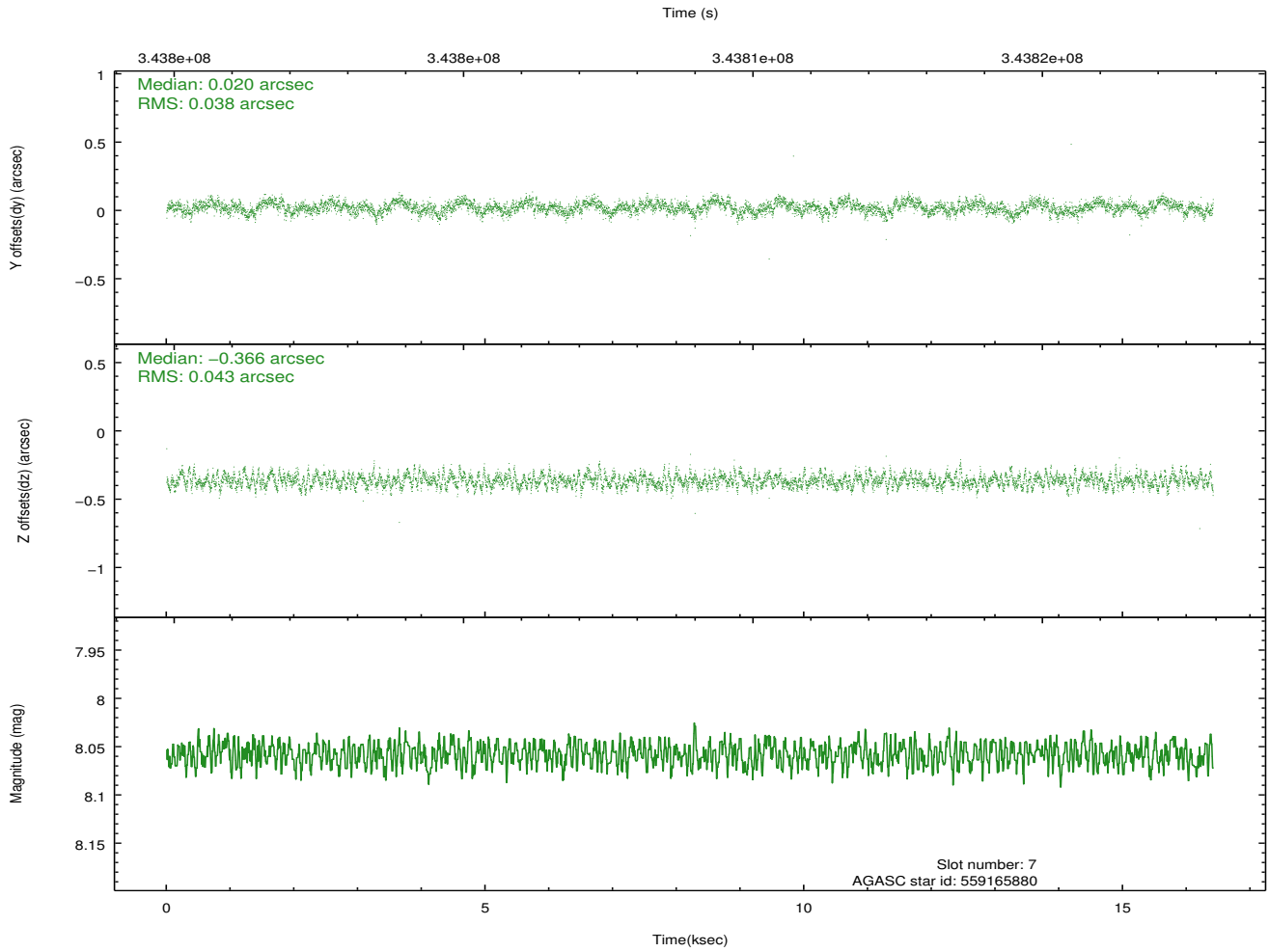
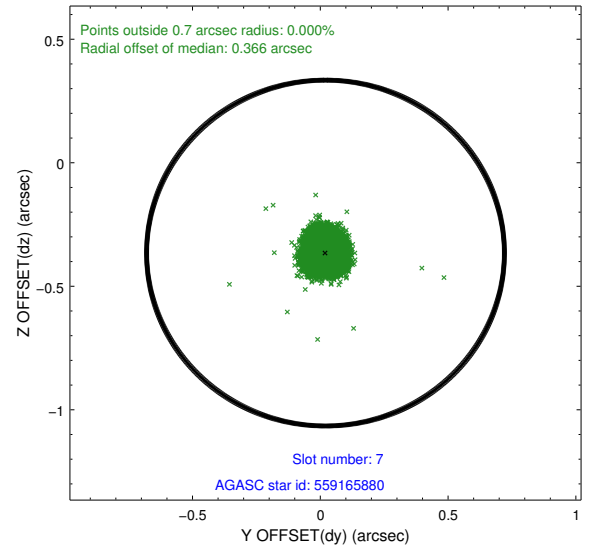
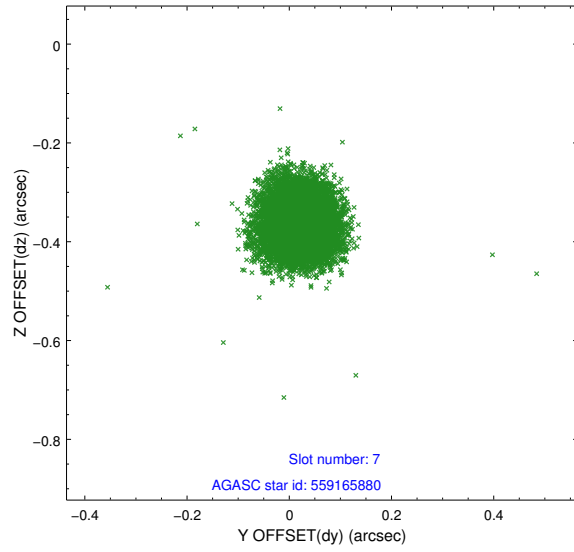
2.4.3 Slot 5



2.4.4 Slot 6

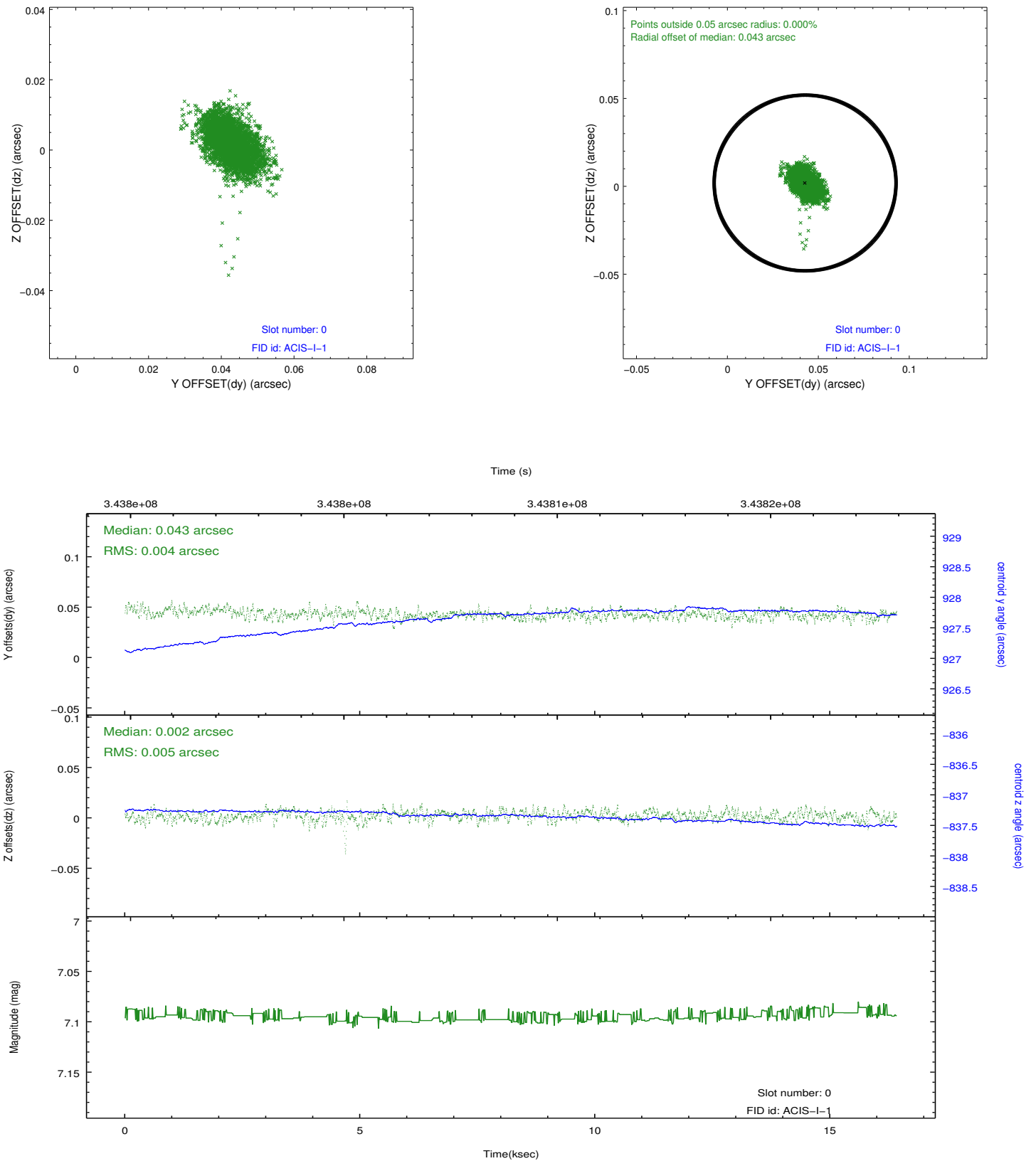


2.4.5 Slot 7

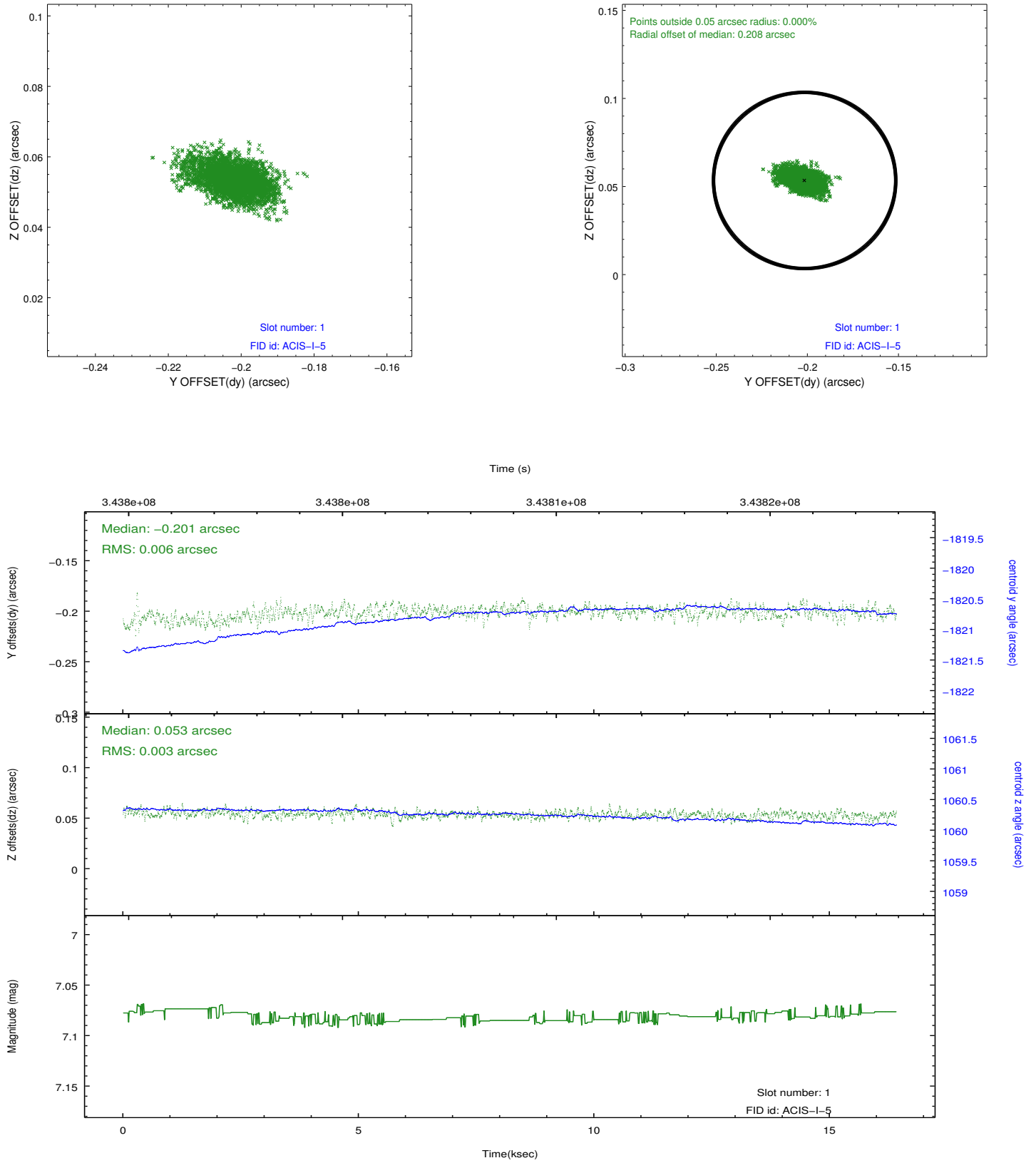


2.5 FID Slots

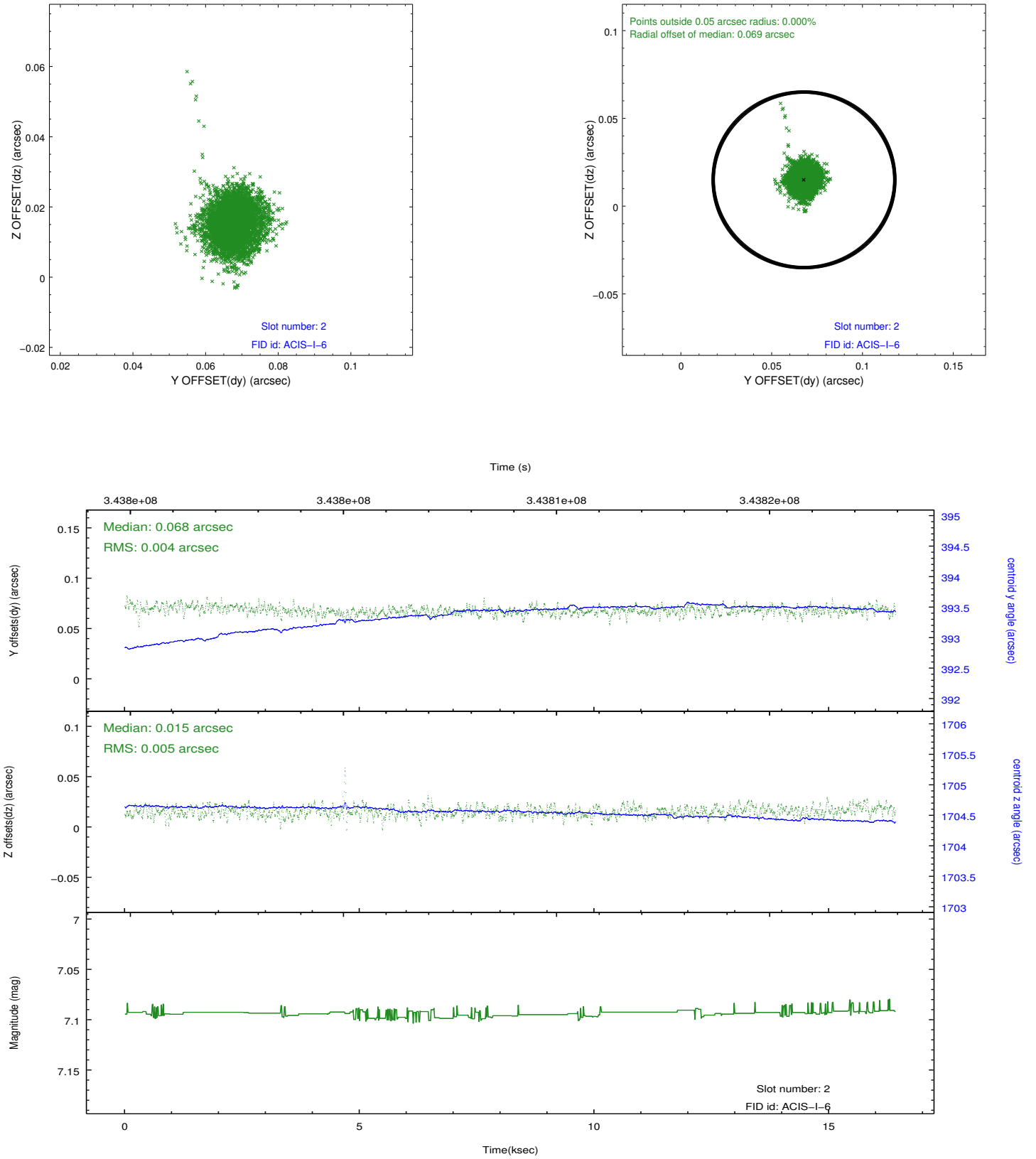
2.5.1 Slot 0



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)	2012.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.9455589

A.2 Comments