

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11122 - L2 Version 2
Chandra X-Ray Center

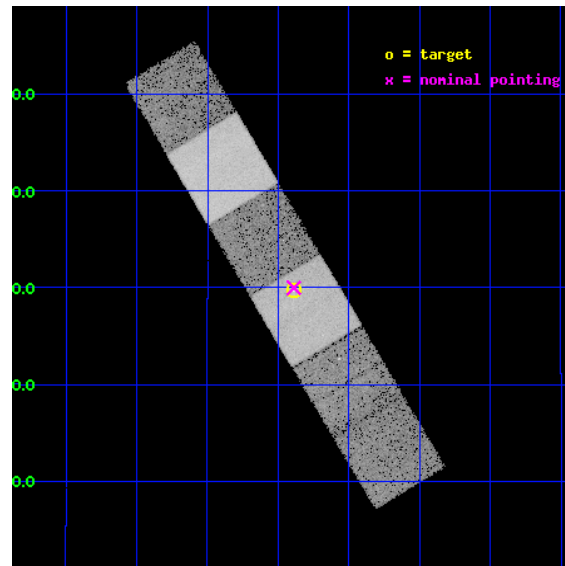
L2 Processing Date : Jul 7 2012

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1 Front

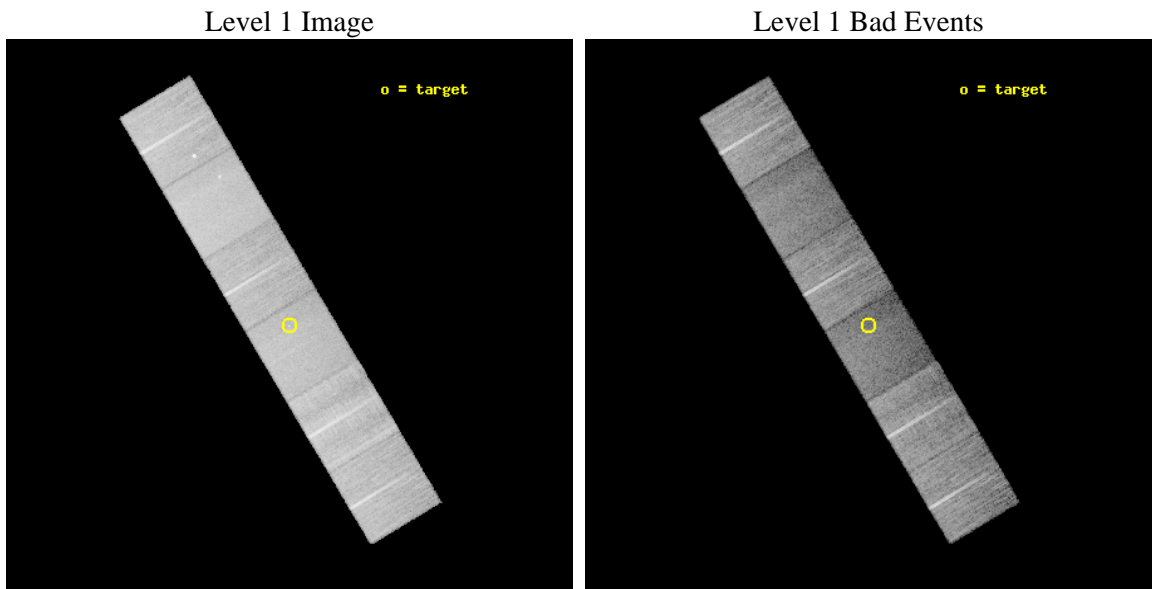
seq_num	501207	Sequence number
obs_id	11122	Observation id
title	Solving the mystery of Type II _n supernovae	Proposal title
observer	Dr. Poonam Chandra	Principal investigator
object	SN2010jl	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	145.722208	Observer's specified target RA [deg]
dec_targ	9.494944	Observer's specified target Dec [deg]
ra_nom	145.72212415264	Nominal RA [deg]
dec_nom	9.4998008559375	Nominal Dec [deg]
roll_nom	59.156641805492	Nominal Roll [deg]
revision	2	Processing version of data
ontime	19045.680489302	Sum of GTIs [s]
livetime	18804.512615014	Livetime [s]
ontime4	19042.48052901	Sum of GTIs [s]
ontime5	19045.639449298	Sum of GTIs [s]
ontime6	19045.598409295	Sum of GTIs [s]
ontime7	19045.680489302	Sum of GTIs [s]
ontime8	19045.557369292	Sum of GTIs [s]
ontime9	19042.275338948	Sum of GTIs [s]
l2events	196236	Number of level 2 events



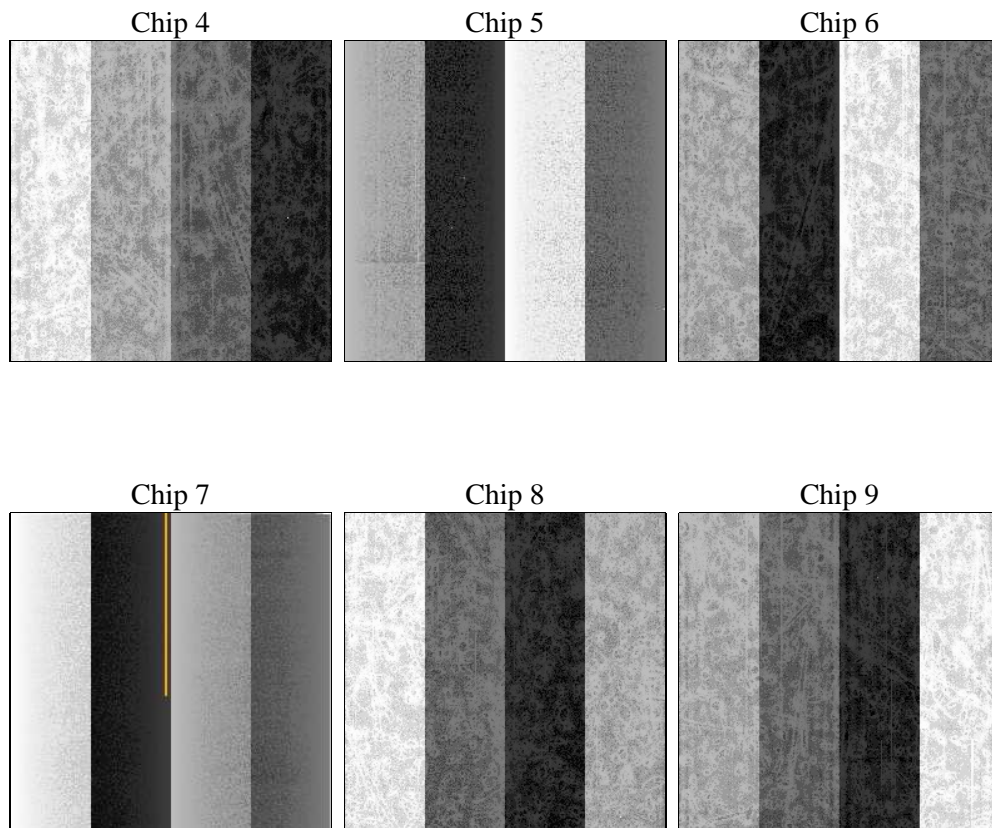
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	19045.680489302	Sum of GTIs [s]
caldsver	4.5.0	 	ontime4	19042.48052901	Sum of GTIs [s]
date	2012-07-07T18:23:34	Date and time of file creation	ontime5	19045.639449298	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	19045.598409295	Sum of GTIs [s]
			ontime7	19045.680489302	Sum of GTIs [s]
			ontime8	19045.557369292	Sum of GTIs [s]
			ontime9	19042.275338948	Sum of GTIs [s]
			l1events	863263	Number of level 1 events

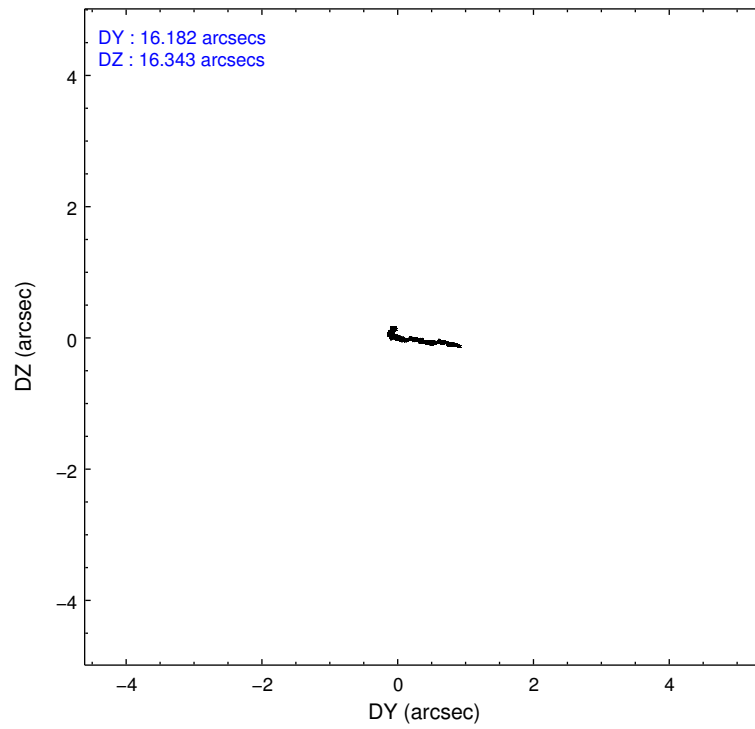
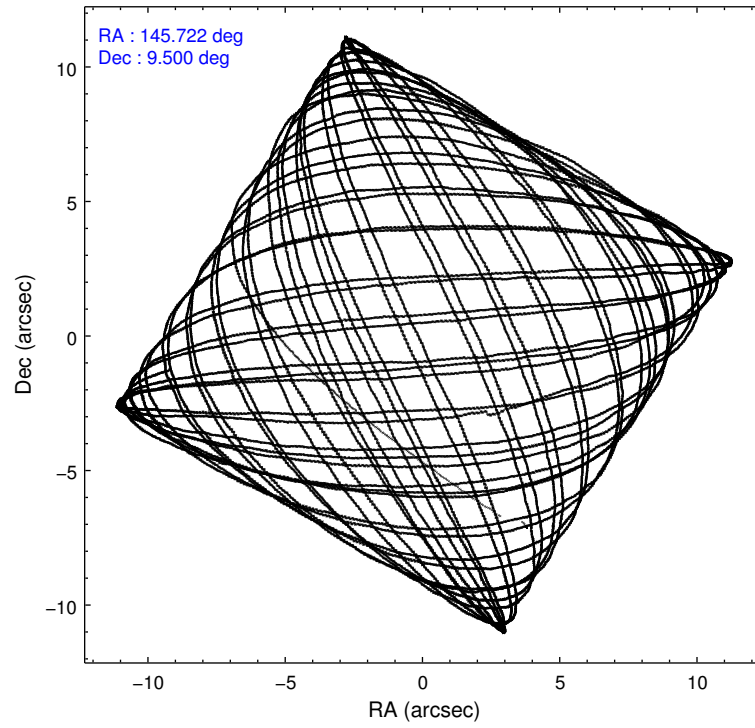
2.1.4 Events

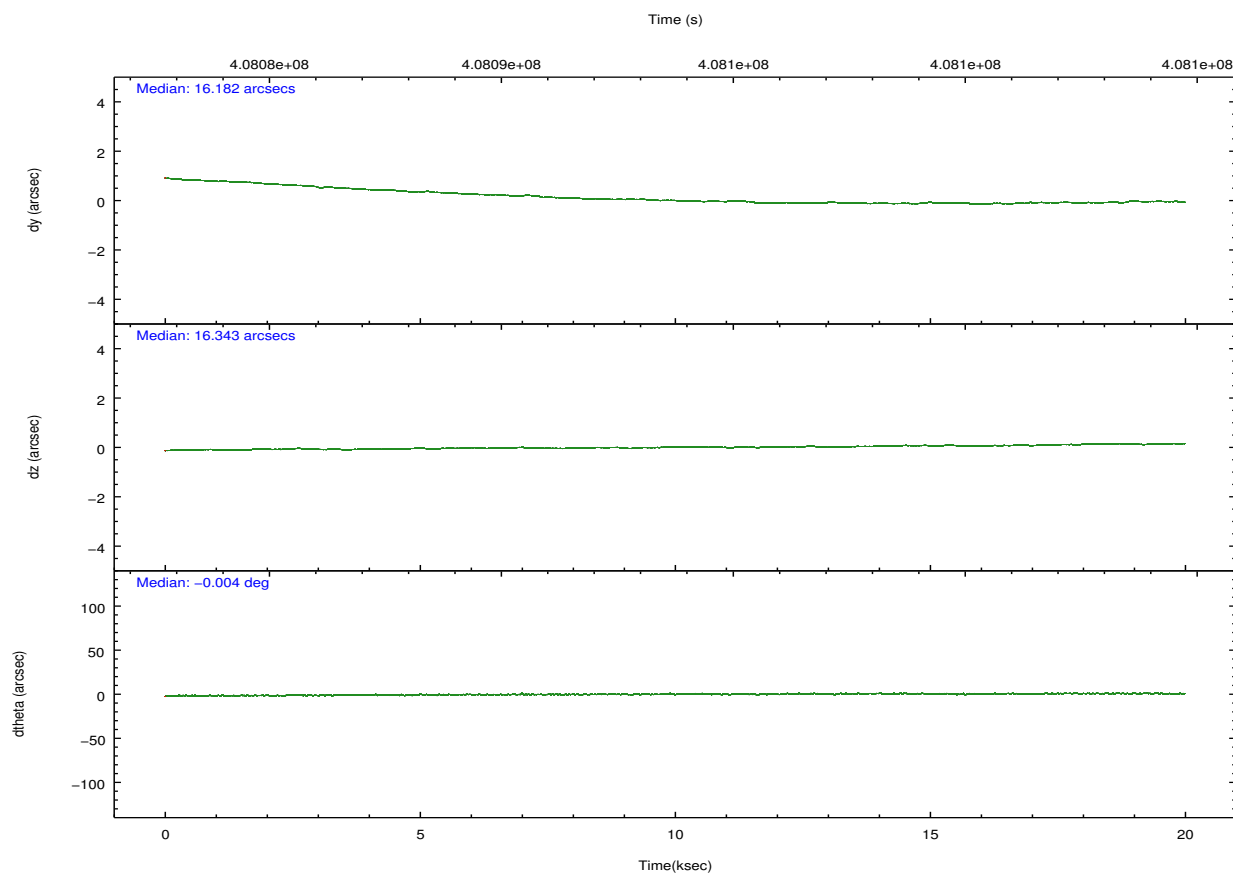
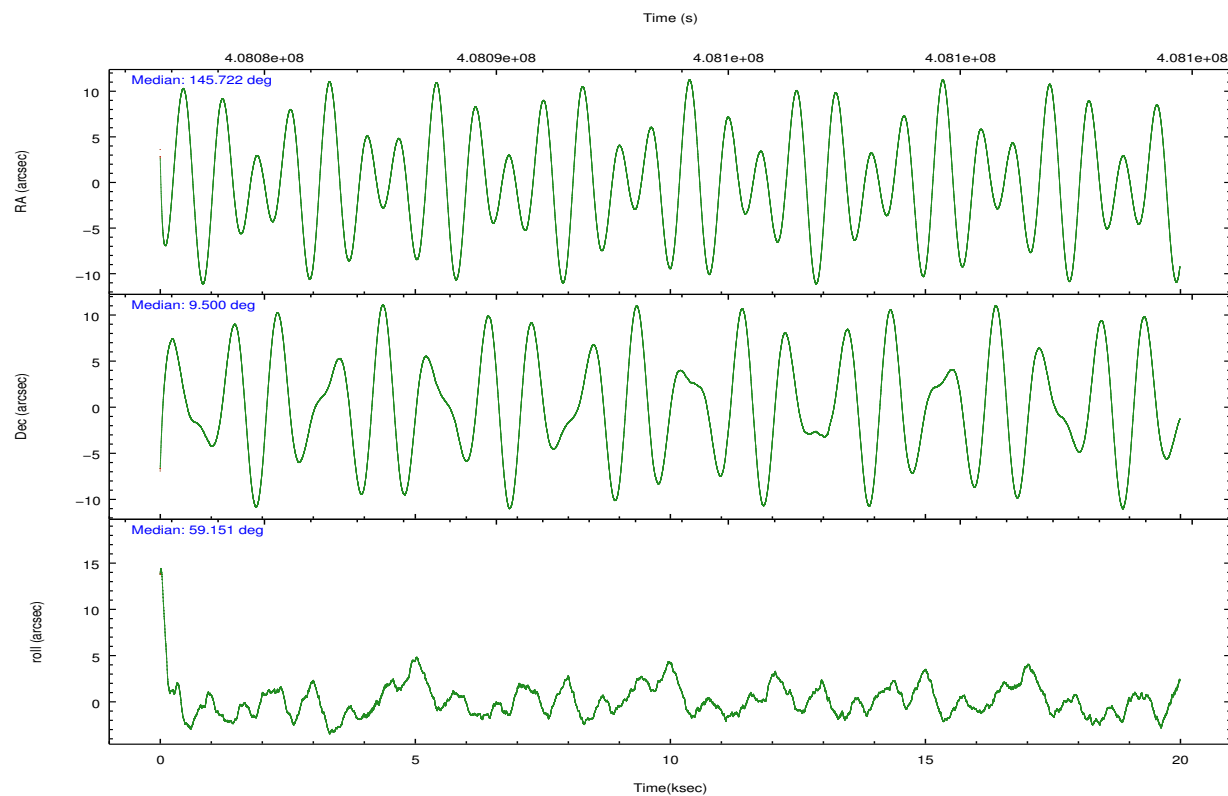
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	151176	170276	125165	133709	158901	124036	grade 0 events	6562	6180	4919	6539	12023	4685
rejected events	135541	82574	111433	68880	116818	110474		4%	3%	3%	4%	7%	3%
rejected %	89%	48%	89%	51%	73%	89%	grade 1 events	137	363	76	202	121	66
								0%	0%	0%	0%	0%	0%
							grade 2 events	3670	27289	3082	13782	10107	3023
								2%	16%	2%	10%	6%	2%
							grade 3 events	1500	3634	1451	5926	4434	1511
								0%	2%	1%	4%	2%	1%
							grade 4 events	1486	3401	1416	5789	4191	1502
								0%	1%	1%	4%	2%	1%
							grade 5 events	4928	13332	4943	14303	7299	5504
								3%	7%	3%	10%	4%	4%
							grade 6 events	2419	47235	2867	32813	11338	2844
								1%	27%	2%	24%	7%	2%
							grade 7 events	130474	68842	106411	54355	109388	104901
								86%	40%	85%	40%	68%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	145.722101	145.7221241526399	CCD I2 on	N	N
[deg] Pointing Dec	9.472447	9.499800855937467	CCD I3 on	N	N
[deg] Pointing Roll	59.000018	59.15664180549244	CCD S0 on	O2	Y
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	408084734.184000	408083038.79943	CCD S5 on	O1	Y
Observation start date	2010-12-07T04:51:08	2010-12-07T04:23:58	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	408103734.184000	408104637.60054	On-chip summing requested	N	N
Observation end date	2010-12-07T10:07:48	2010-12-07T10:23:57	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



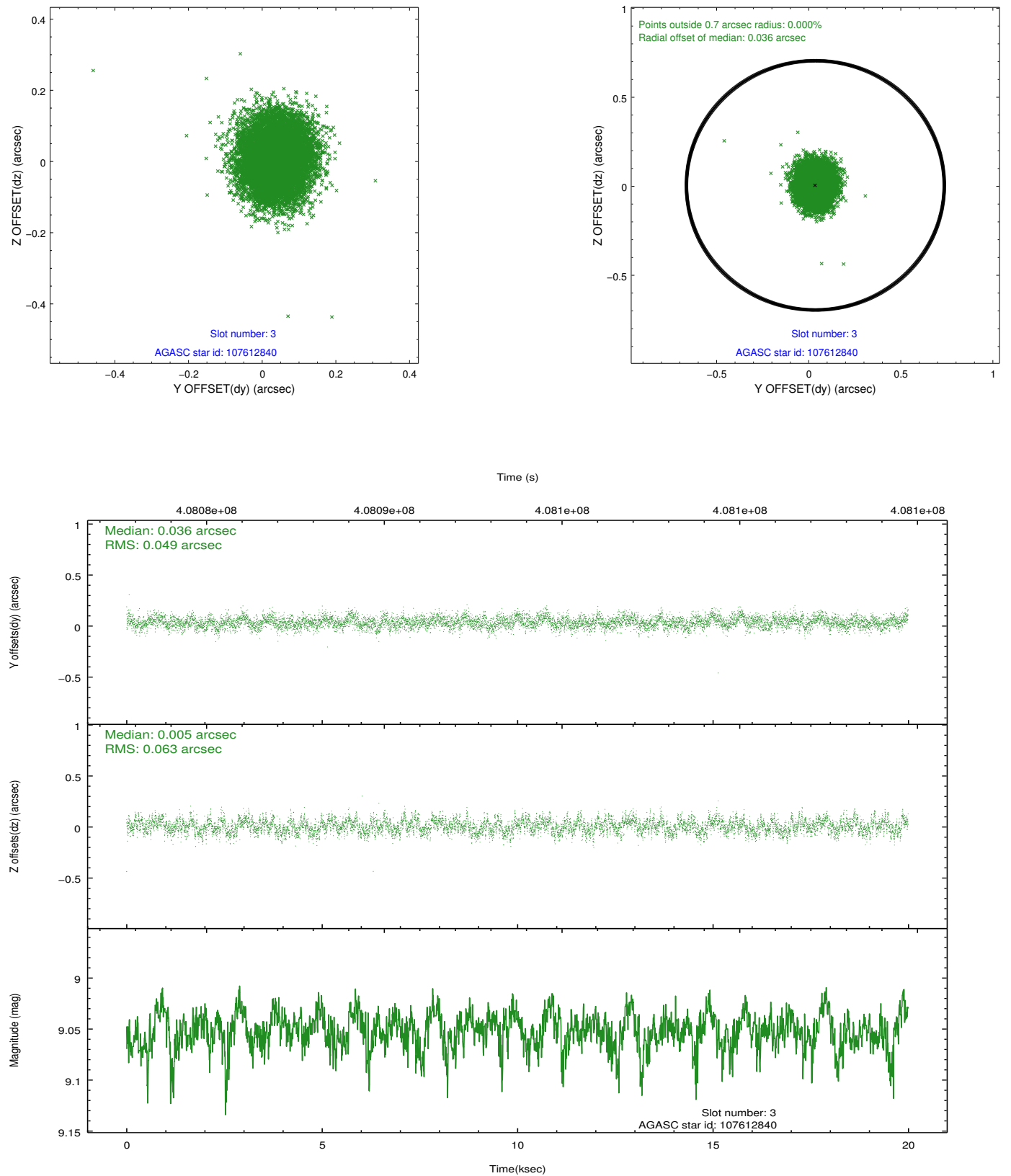


Slot Statistics

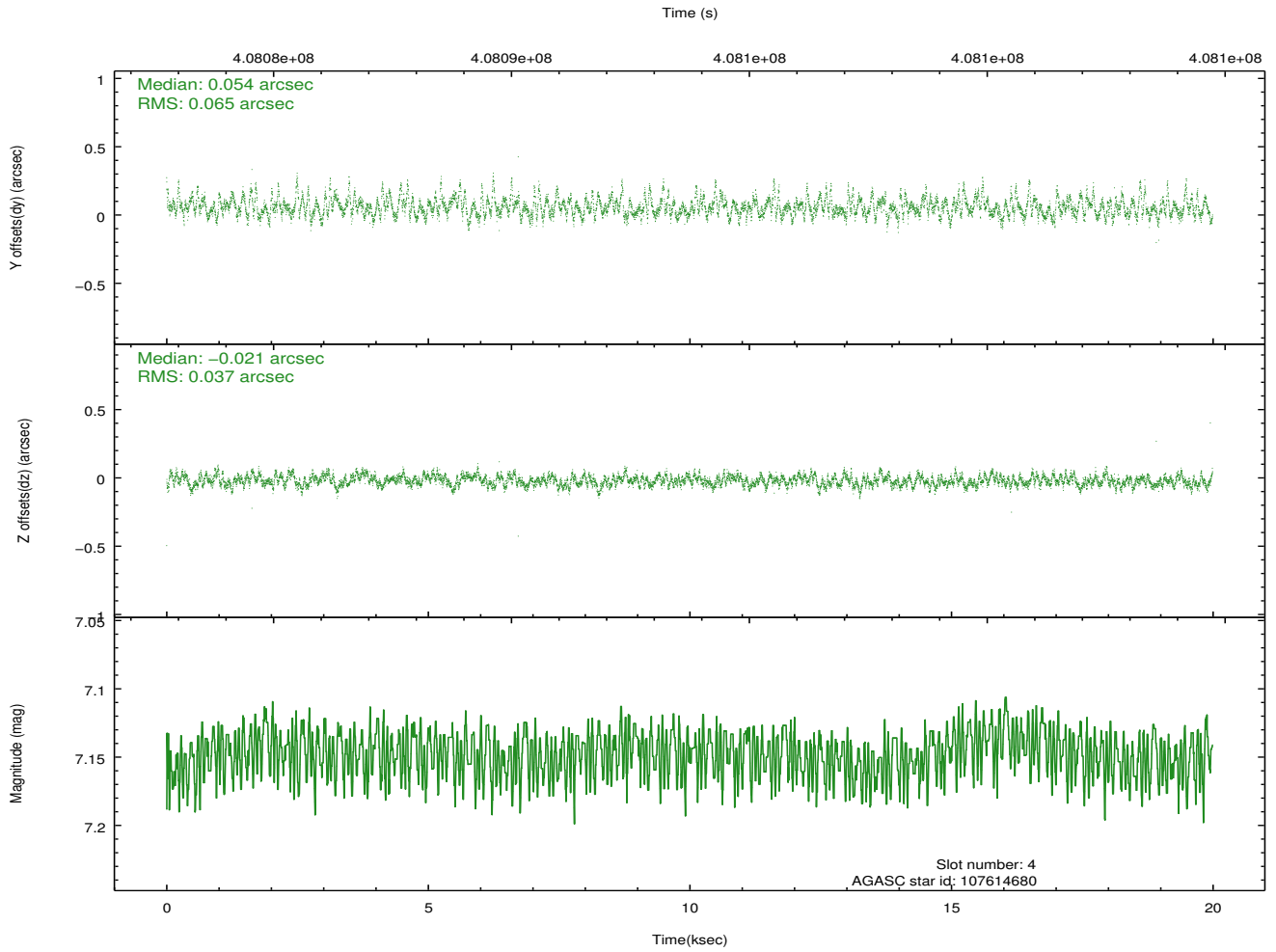
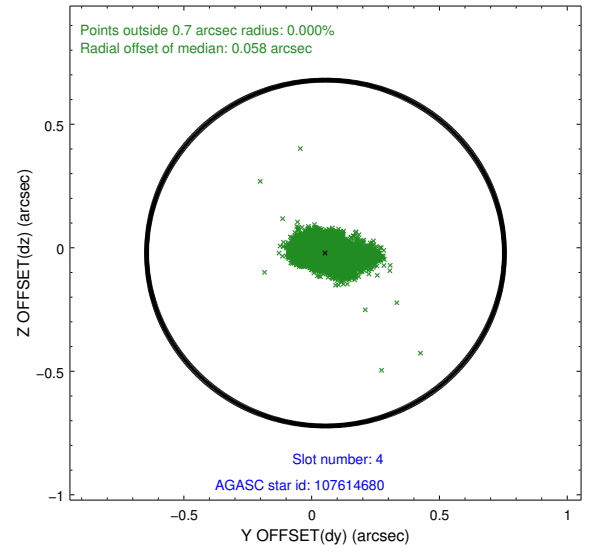
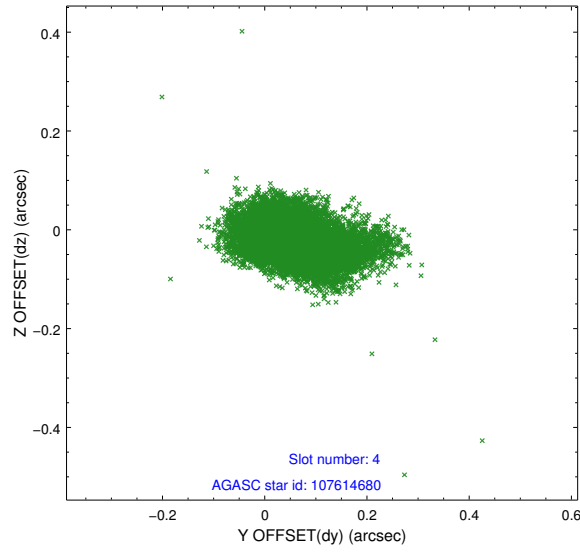
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.97	4877	-0.103	-0.042	0.010	0.017	0.000000	0.000000	-769.45	-1737.80
1	FID	ACIS-S-4	7.05	4877	0.218	0.061	0.010	0.019	0.000000	0.000000	2144.07	170.57
2	FID	ACIS-S-5	7.08	4877	-0.146	-0.011	0.009	0.016	0.000000	0.000000	-1822.09	164.40
3	GUIDE	107612840	9.05	9738	0.036	0.005	0.085	0.135	145.374441	9.465044	-658.27	1045.11
4	GUIDE	107614680	7.15	9753	0.054	-0.021	0.075	0.136	145.310964	8.995416	-2224.74	369.14
5	GUIDE	107618792	8.88	9746	-0.138	-0.350	0.087	0.141	144.990311	9.510841	-1218.16	2299.36
6	GUIDE	108531080	8.75	9746	0.077	0.570	0.090	0.141	145.751319	8.809136	-1993.17	-1318.12
7	GUIDE	107617024	8.33	9751	-0.035	-0.205	0.074	0.117	145.130994	9.426697	-1221.19	1715.33

2.4 Star Slots

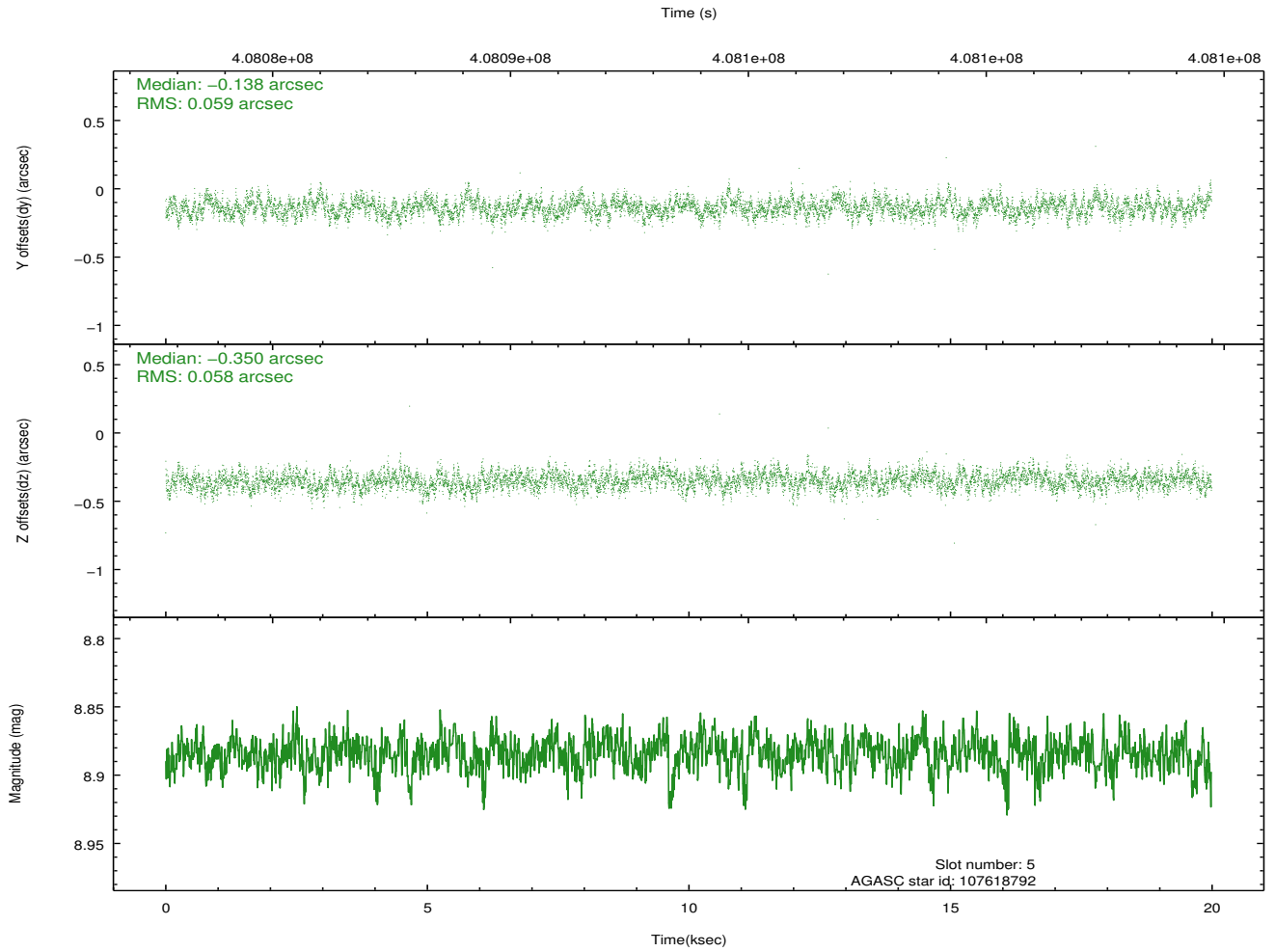
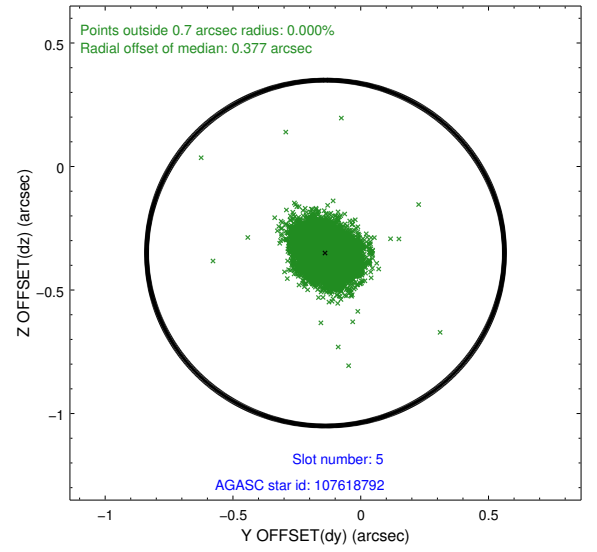
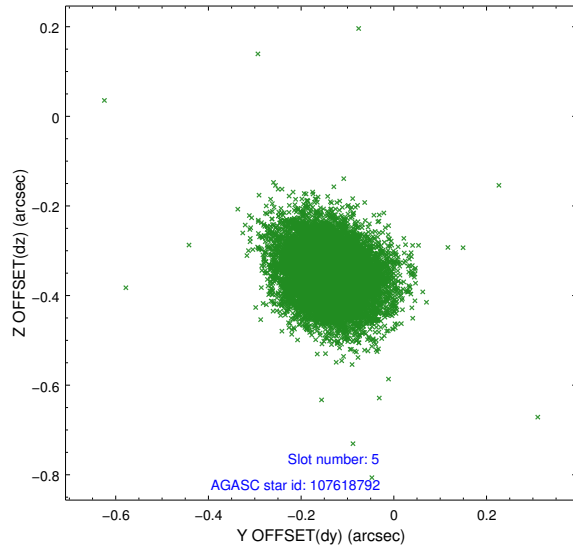
2.4.1 Slot 3



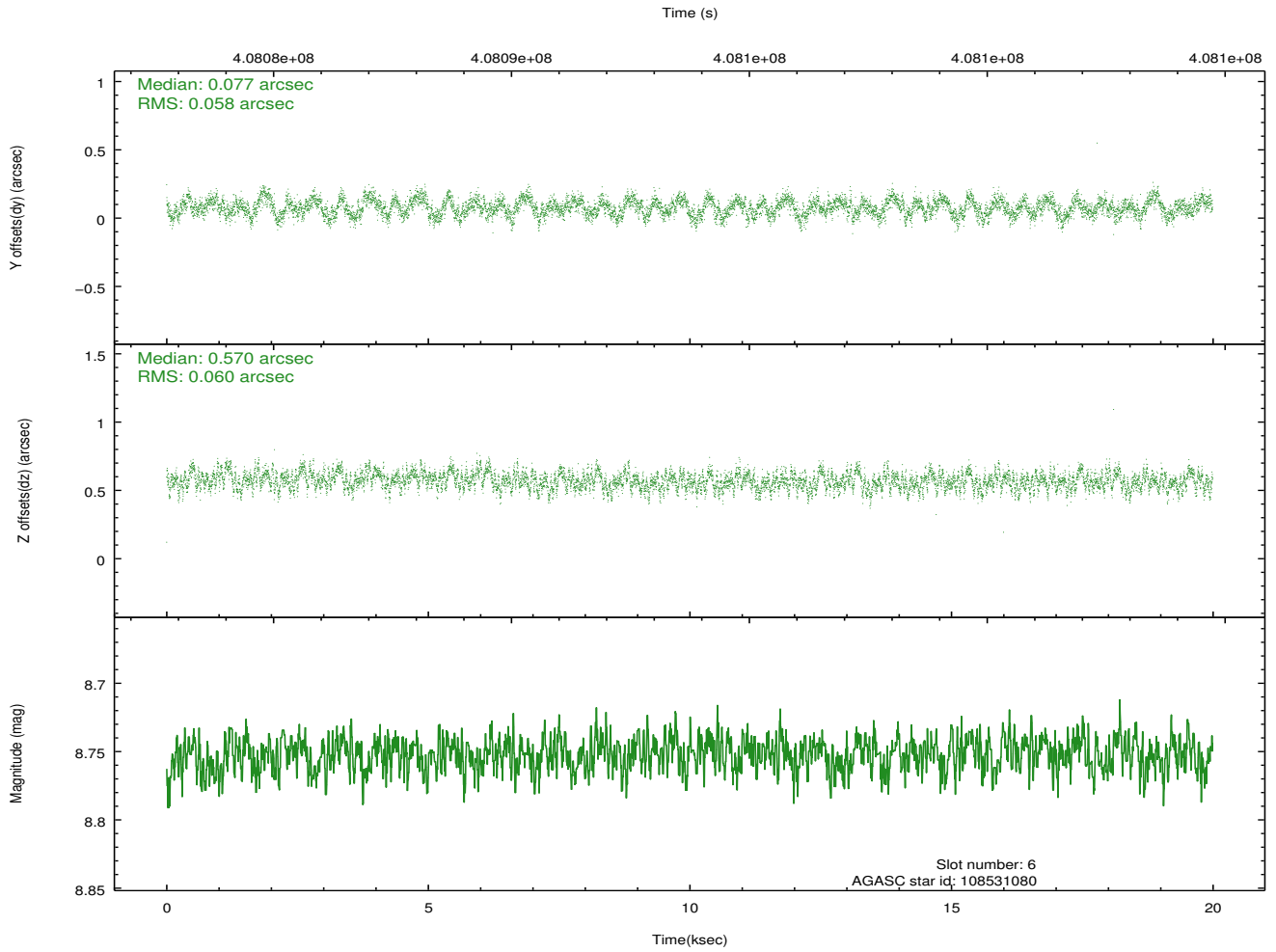
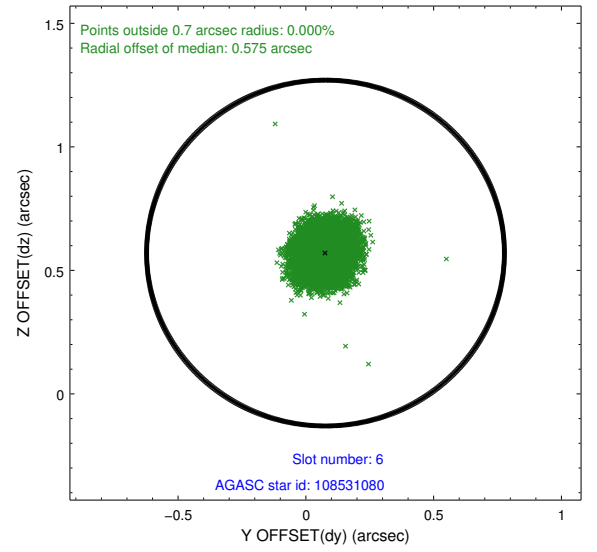
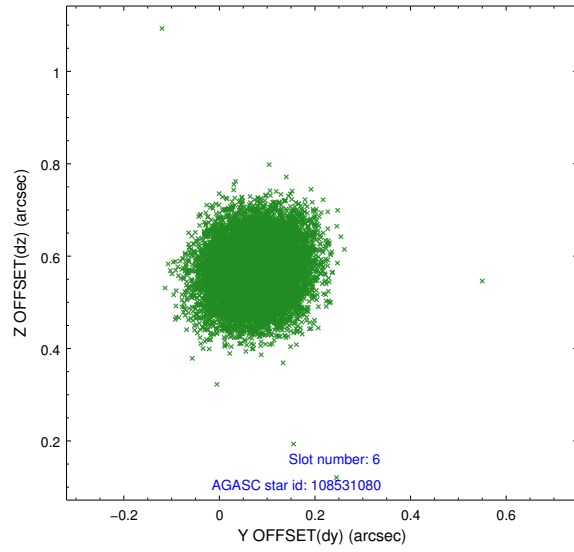
2.4.2 Slot 4



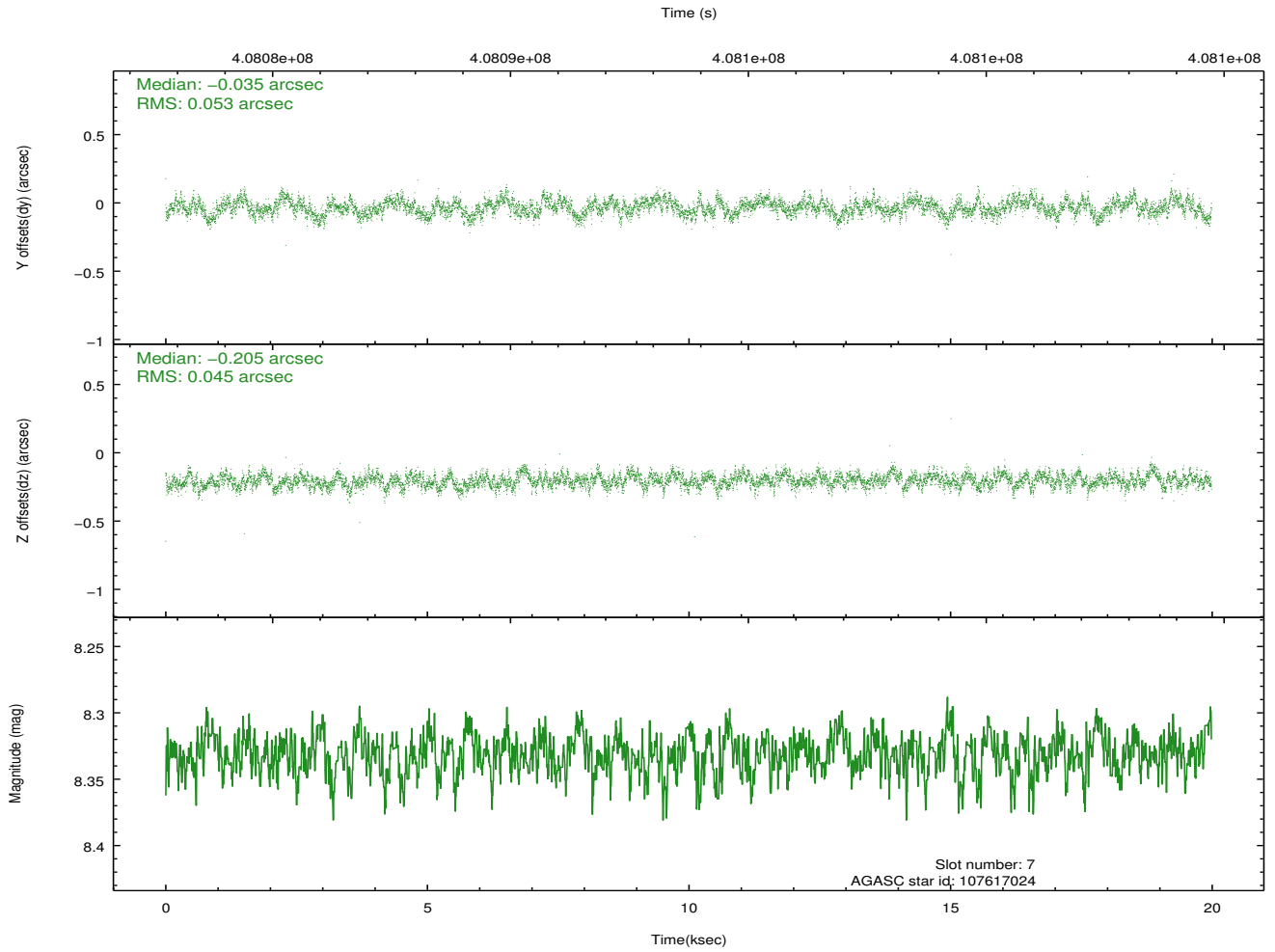
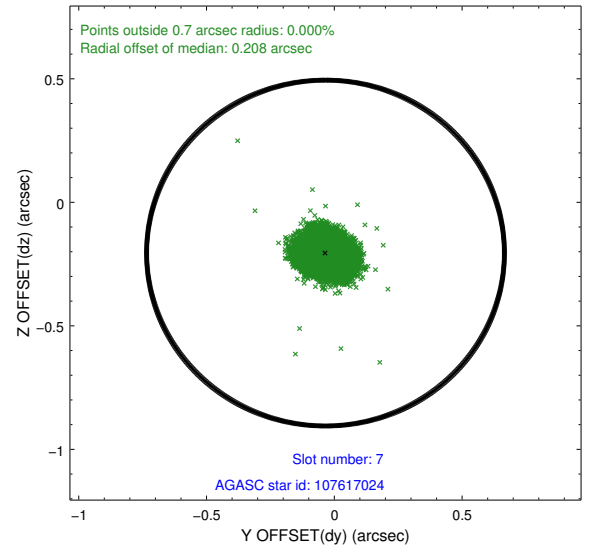
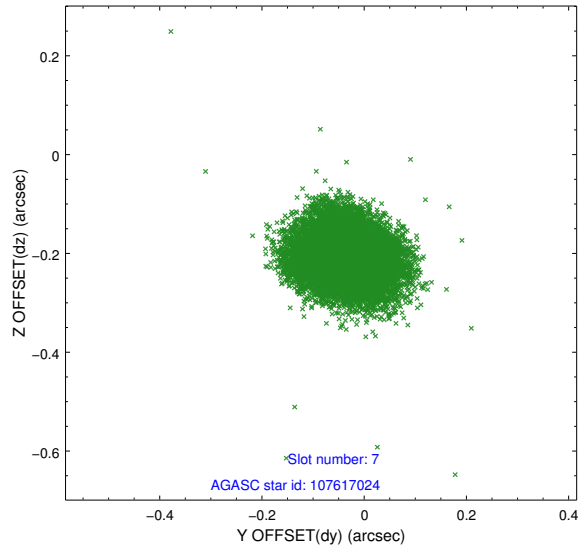
2.4.3 Slot 5



2.4.4 Slot 6

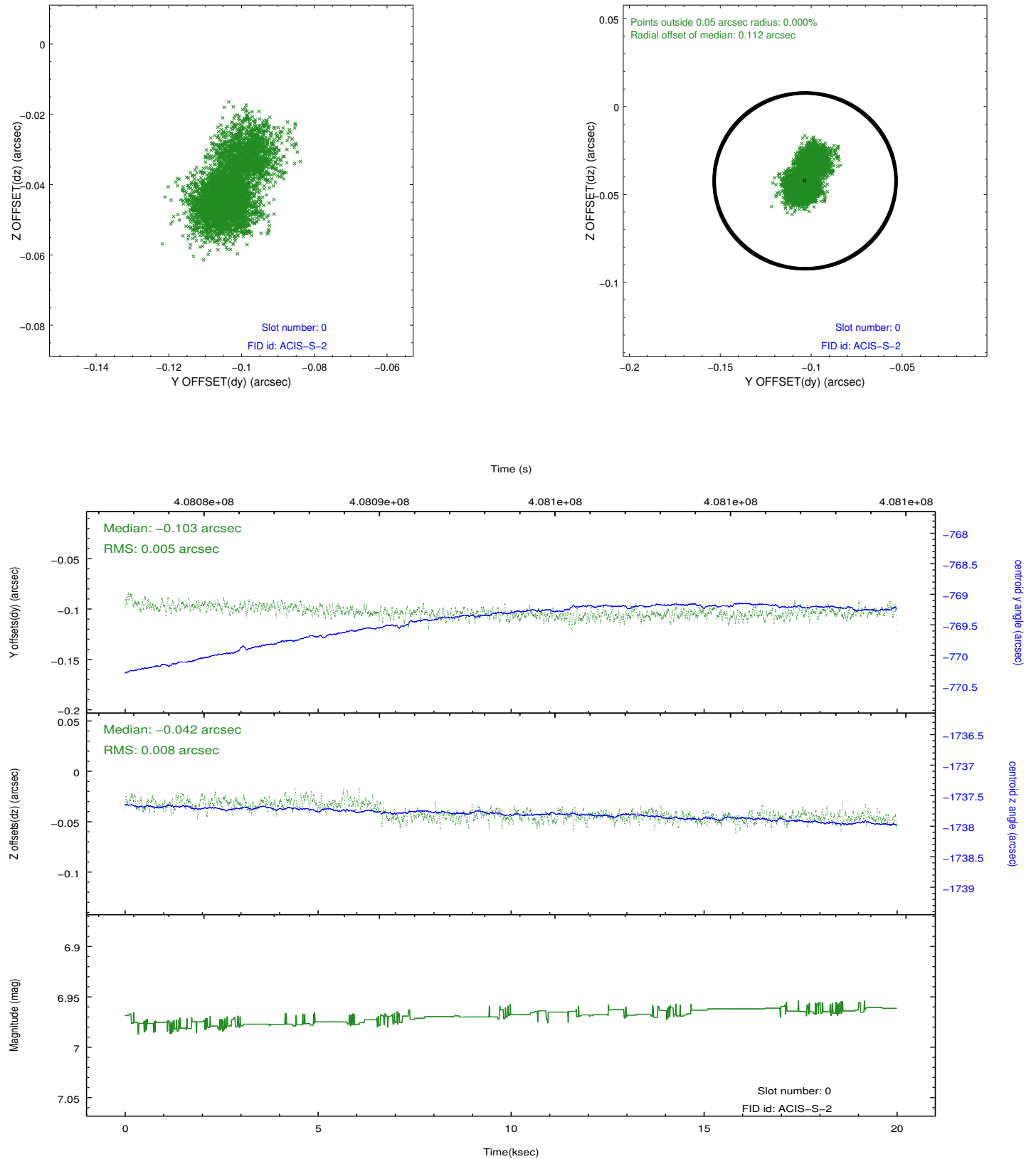


2.4.5 Slot 7

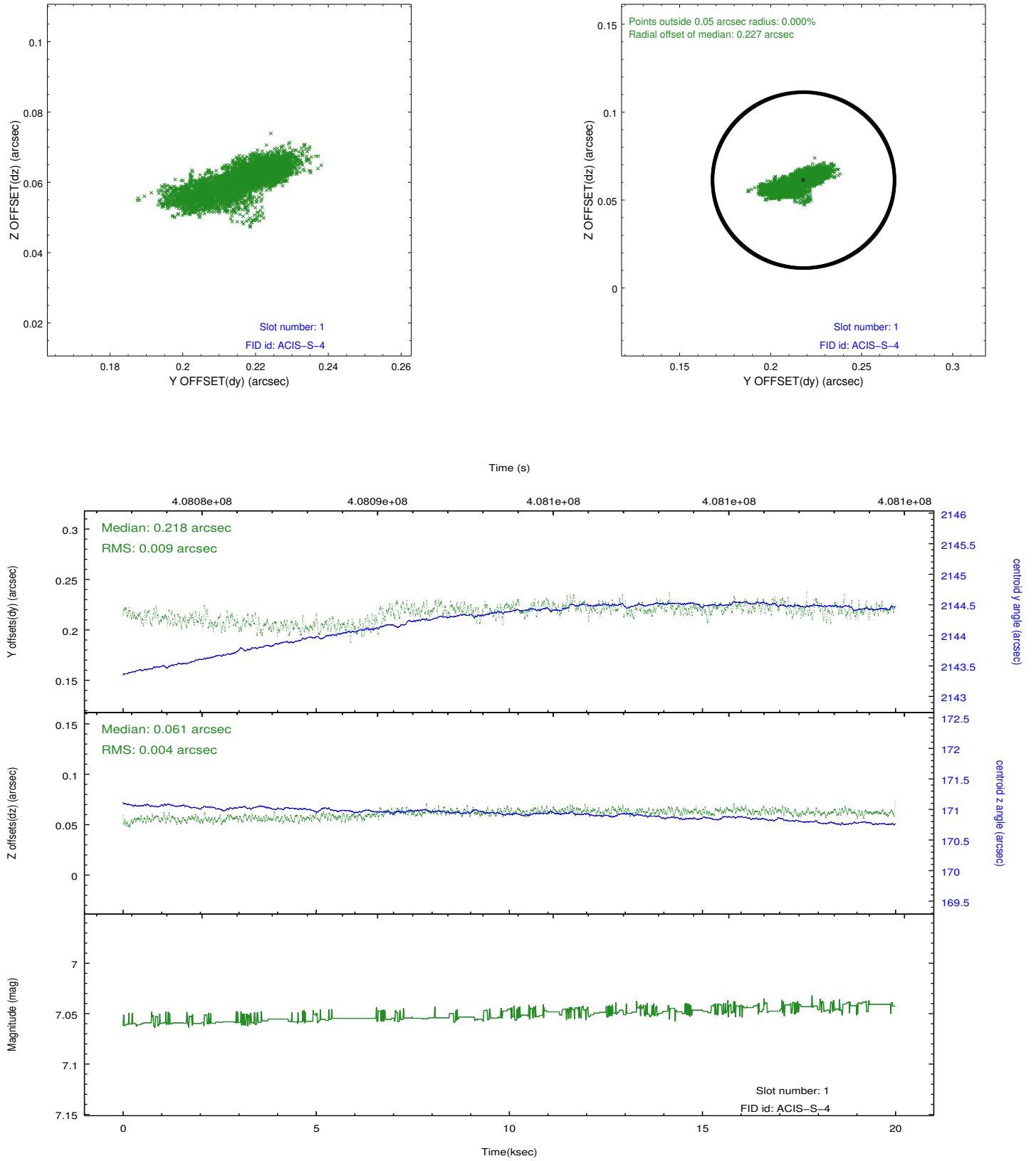


2.5 FID Slots

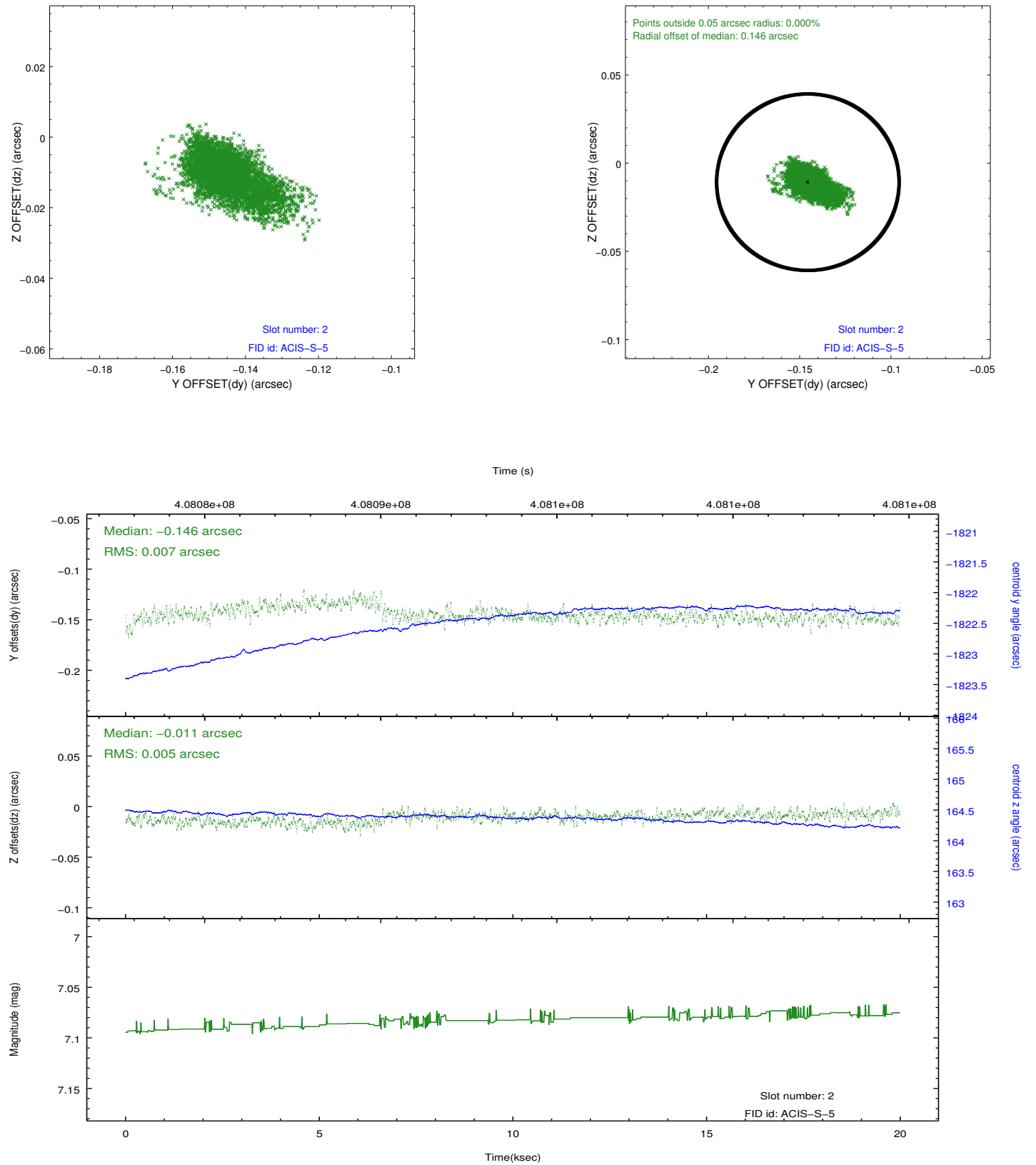
2.5.1 Slot 0



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)	2012.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.045680488765

A.2 Comments