

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7855 - L2 Version 2
Chandra X-Ray Center

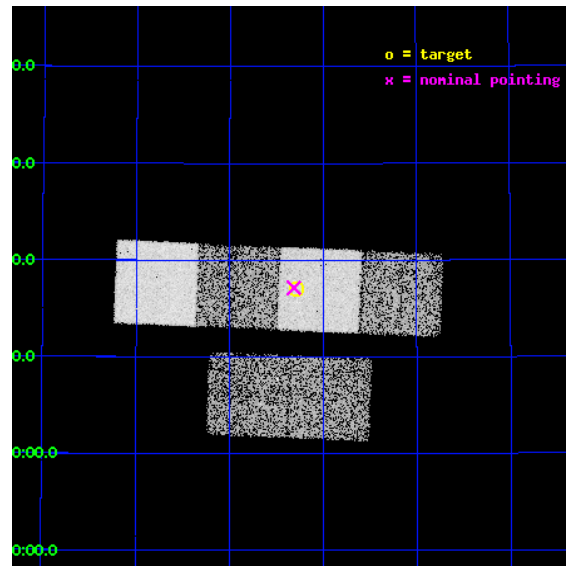
L2 Processing Date : May 1 2012

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1 Front

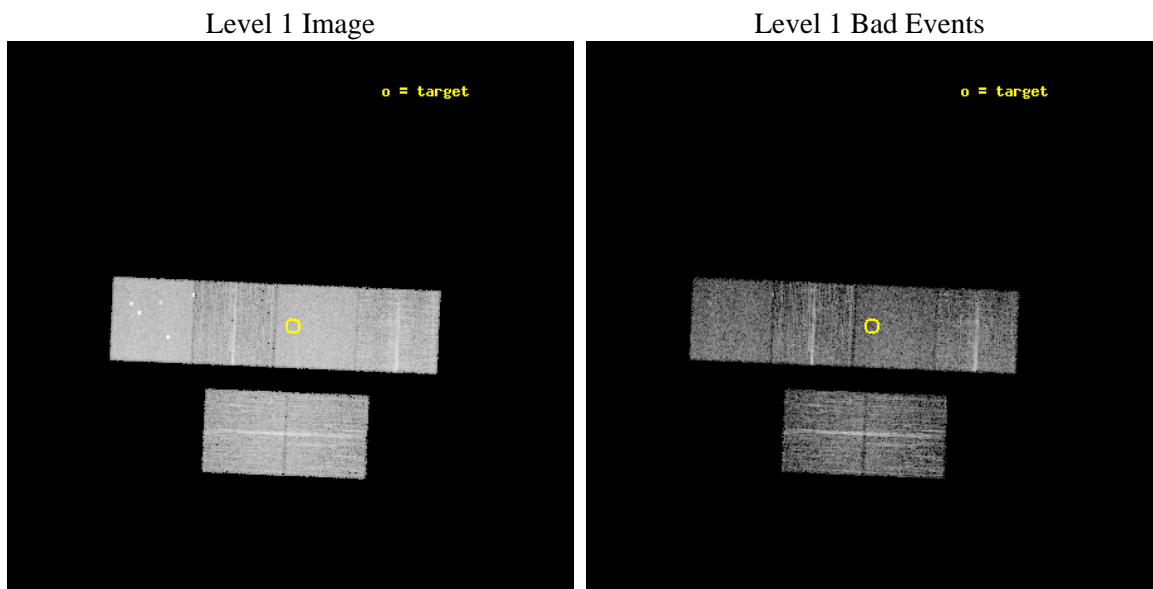
seq_num	701519	Sequence number
obs_id	7855	Observation id
title	Demographics of black holes in the local Universe.	Proposal title
observer	Prof. Smita Mathur	Principal investigator
object	UGC 6930	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	179.322083	Observer's specified target RA [deg]
dec_targ	49.283083	Observer's specified target Dec [deg]
ra_nom	179.3283071829	Nominal RA [deg]
dec_nom	49.285833288491	Nominal Dec [deg]
roll_nom	2.4114029516211	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4854.3999819756	Sum of GTIs [s]
livetime	4792.930646435	Livetime [s]
ontime2	4854.3999819756	Sum of GTIs [s]
ontime3	4854.2938682437	Sum of GTIs [s]
ontime5	4854.3759482503	Sum of GTIs [s]
ontime6	4854.334908247	Sum of GTIs [s]
ontime7	4854.3999819756	Sum of GTIs [s]
ontime8	4854.2528282404	Sum of GTIs [s]
l2events	78467	Number of level 2 events



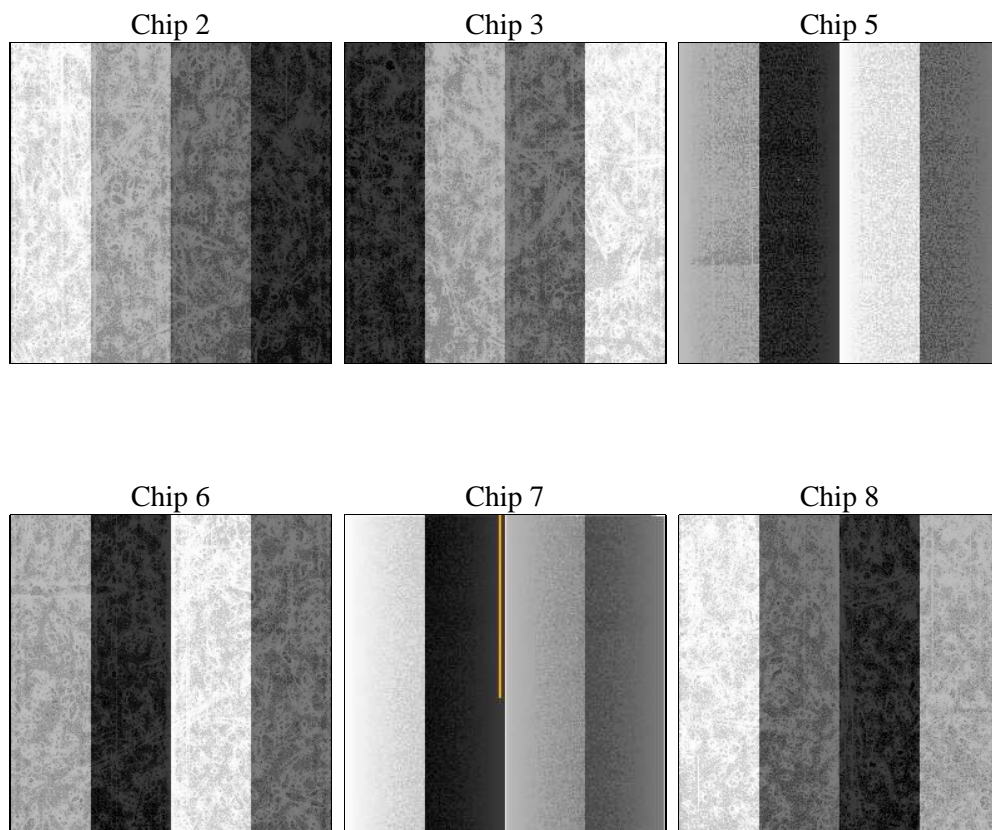
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.840000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4854.3999819756	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	4854.3999819756	Sum of GTIs [s]
date	2012-05-01T20:39:11	Date and time of file creation	ontime3	4854.2938682437	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	4854.3759482503	Sum of GTIs [s]
			ontime6	4854.334908247	Sum of GTIs [s]
			ontime7	4854.3999819756	Sum of GTIs [s]
			ontime8	4854.2528282404	Sum of GTIs [s]
			l1events	338461	Number of level 1 events

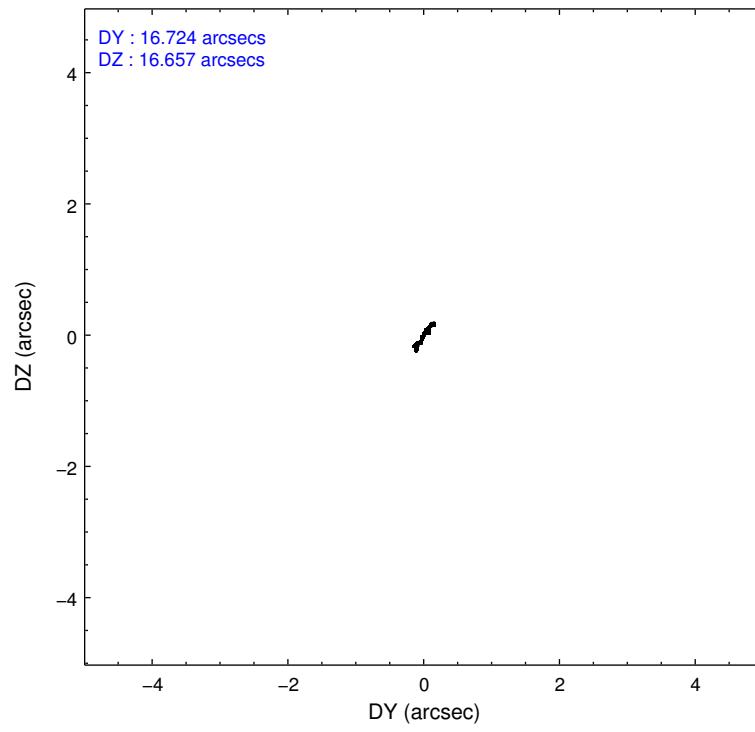
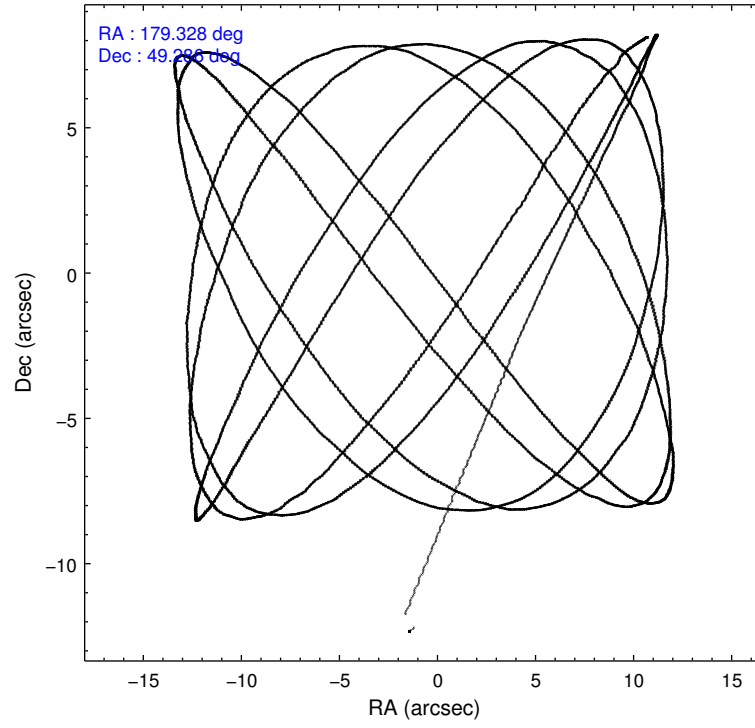
2.1.4 Events

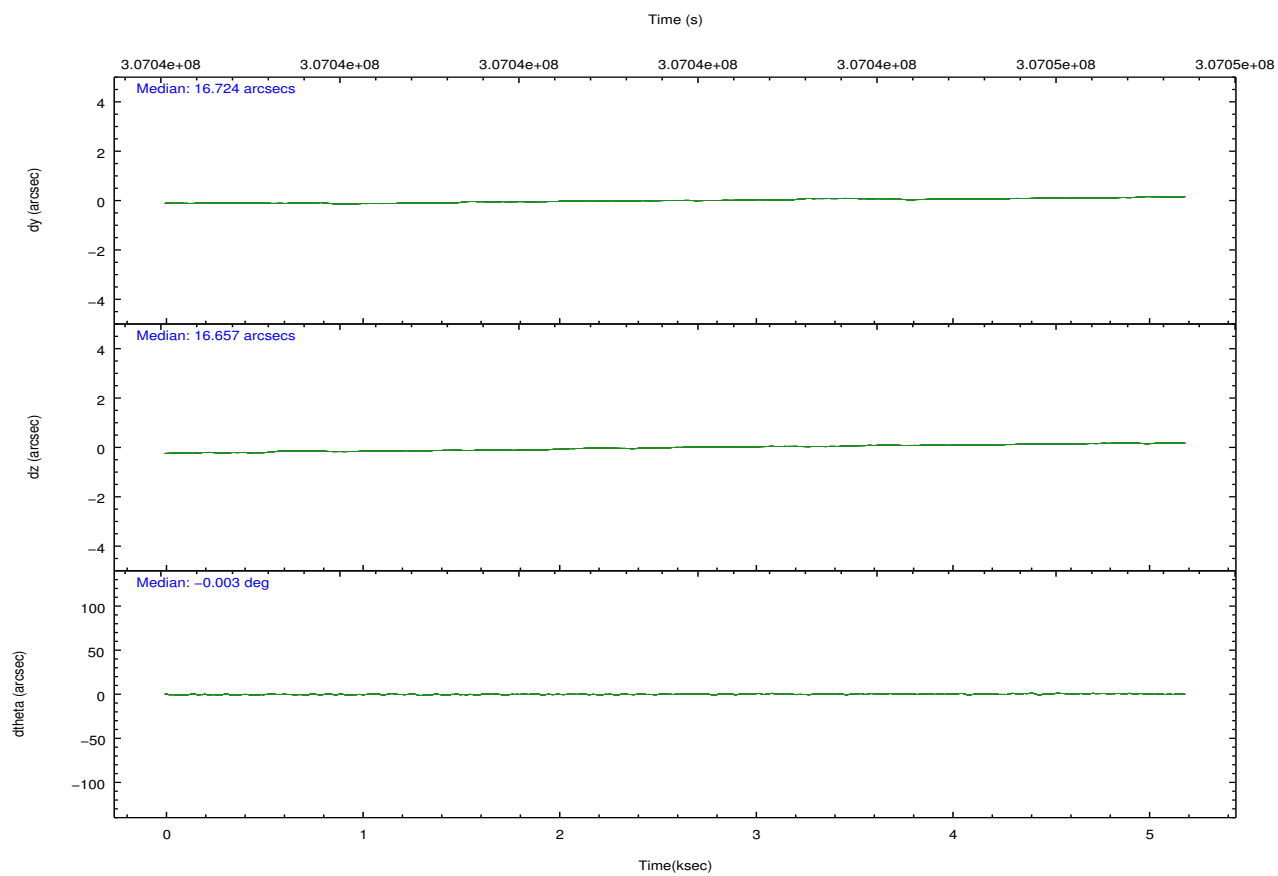
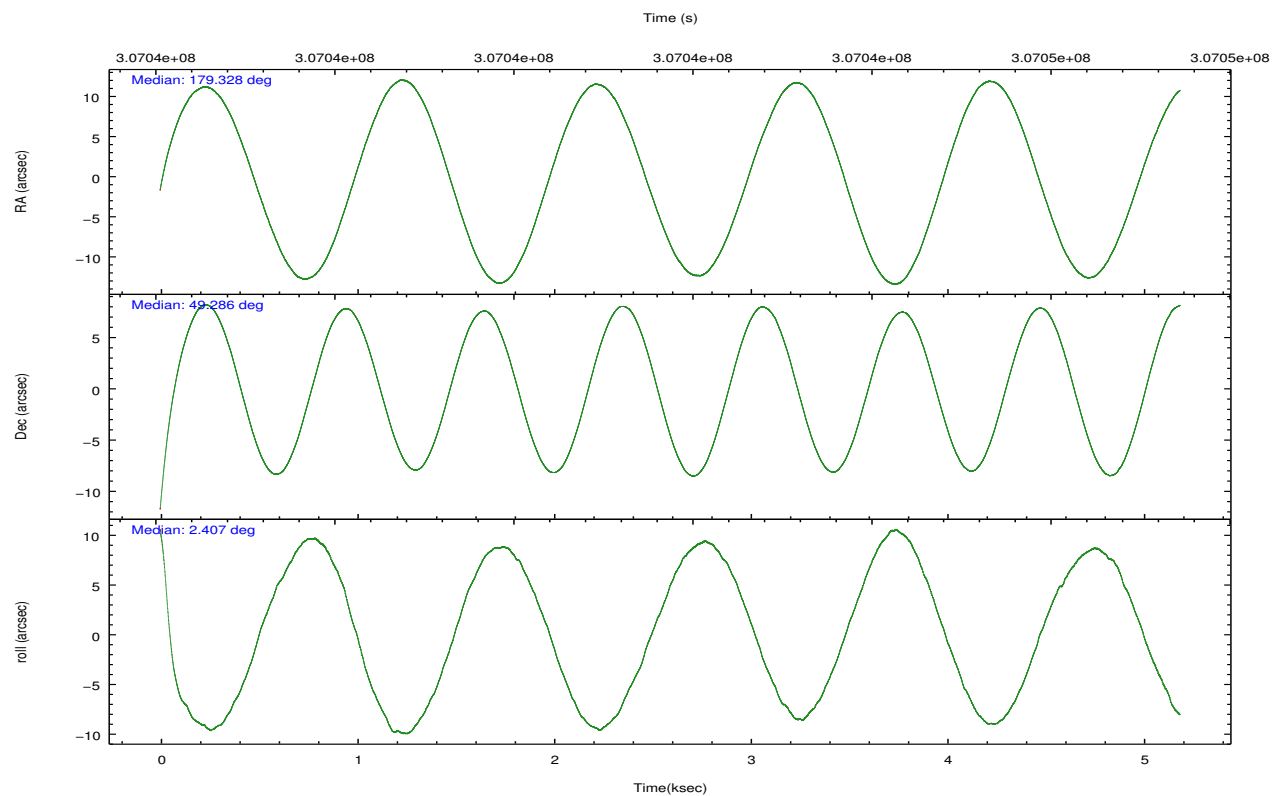
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	47416	46718	73142	47669	65298	58218	grade 0 events	2576	2411	4392	2191	2322	4265
rejected events	41672	41361	38434	42023	37771	44855		5%	5%	6%	4%	3%	7%
rejected %	87%	88%	52%	88%	57%	77%	grade 1 events	28	28	149	30	65	42
								0%	0%	0%	0%	0%	0%
							grade 2 events	1204	999	10207	1241	5656	3023
								2%	2%	13%	2%	8%	5%
							grade 3 events	525	471	1248	573	2350	1463
								1%	1%	1%	1%	3%	2%
							grade 4 events	477	507	1216	476	2283	1386
								1%	1%	1%	0%	3%	2%
							grade 5 events	1806	2170	5094	2165	6079	2902
								3%	4%	6%	4%	9%	4%
							grade 6 events	967	971	17677	1168	14946	3228
								2%	2%	24%	2%	22%	5%
							grade 7 events	39833	39161	33159	39825	31597	41909
								84%	83%	45%	83%	48%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	179.293173	179.3283071829014	Subarray requested	NONE	NONE
[deg] Pointing Dec	49.270831	49.28583328849056	Alternating exposures requested	N	N
[deg] Pointing Roll	2.281383	2.411402951621082	[s] Primary exposure time	0.000000	3.2
[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)	307041459.184000	307040490.71787			
Observation start date	2007-09-24T17:16:34	2007-09-24T17:01:30			
[s] Observation end time (MET)	307046460.184000	307046681.71816			
Observation end date	2007-09-24T18:39:55	2007-09-24T18:44:41			
Read mode	TIMED	TIMED			

2.3 Aspect



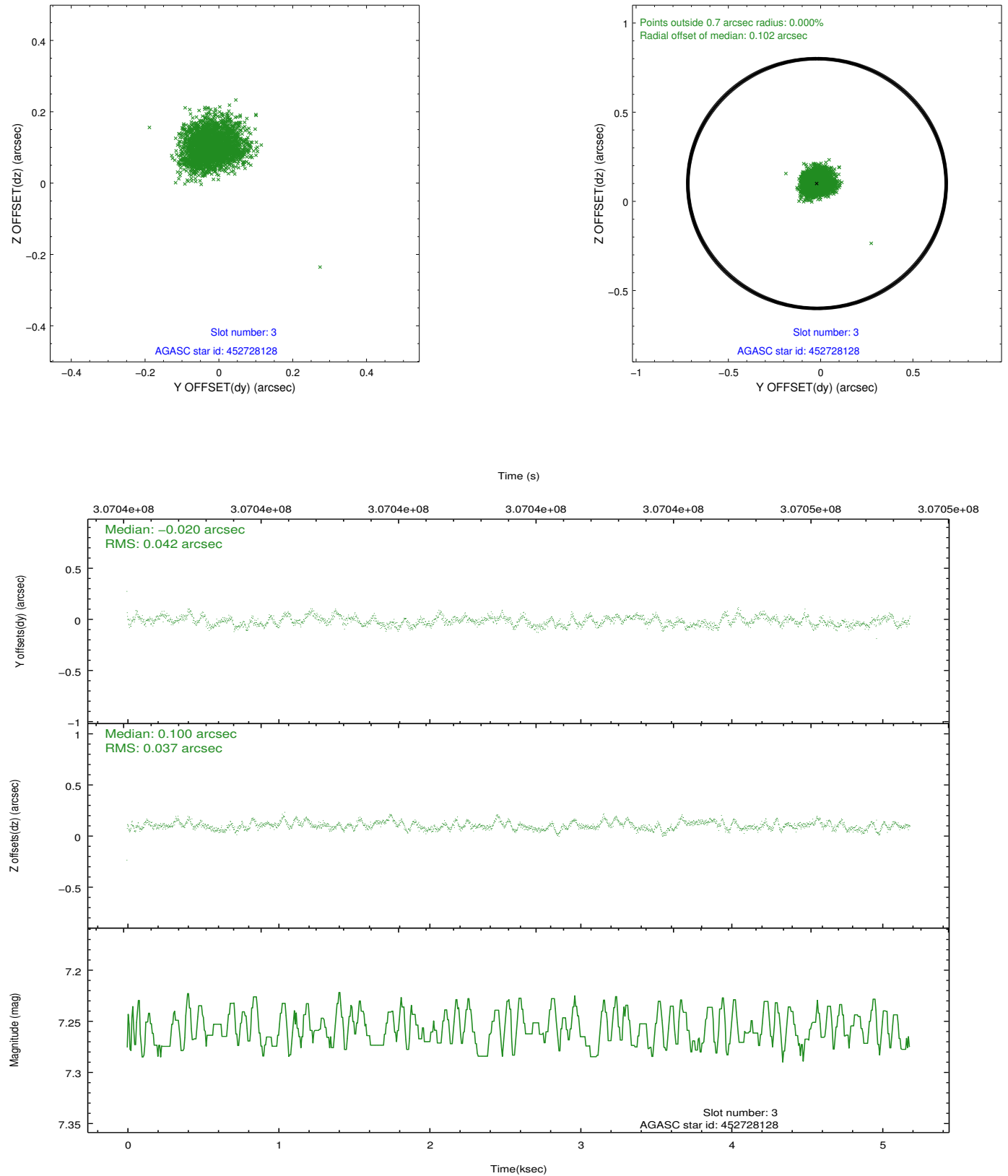


Slot Statistics

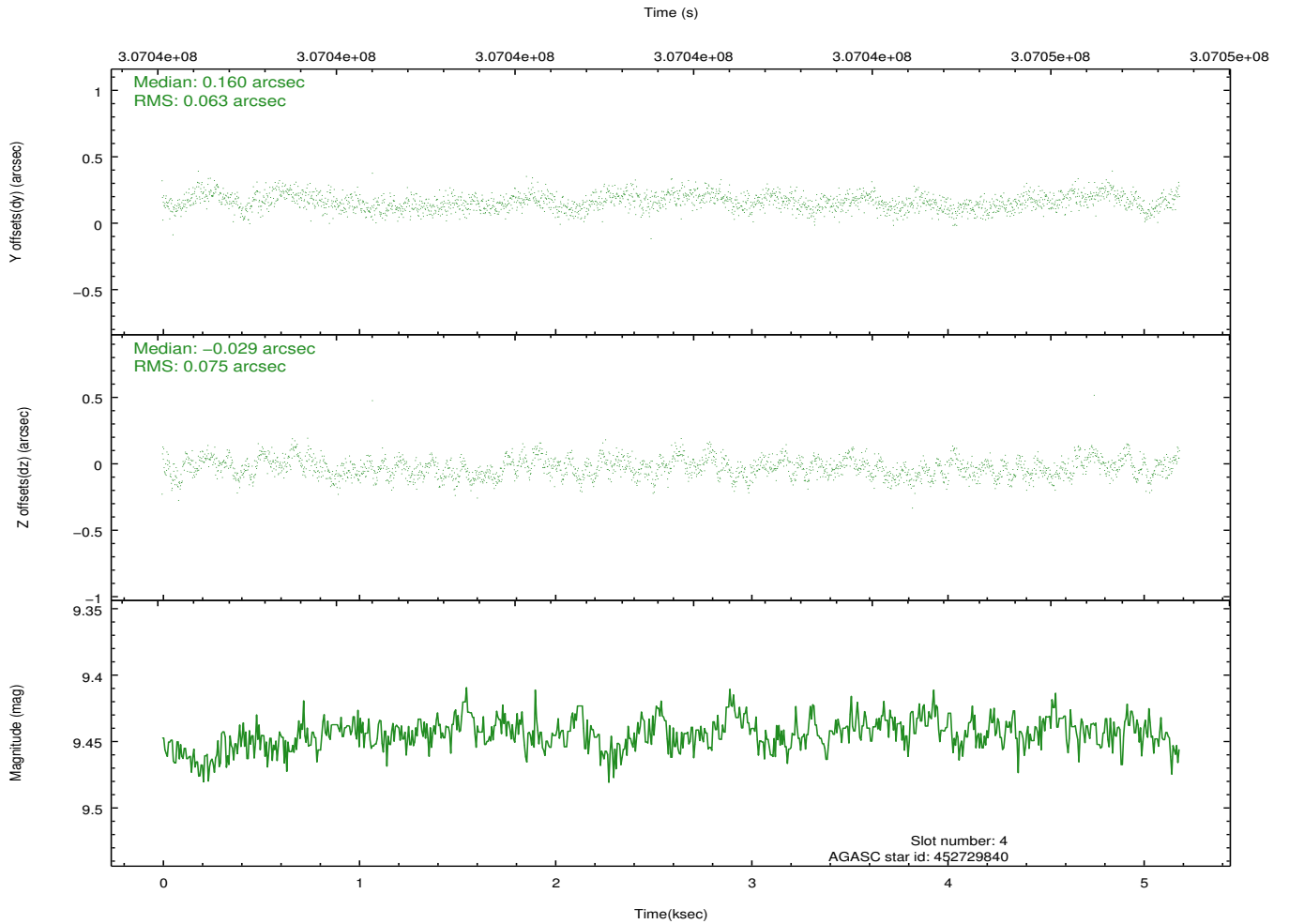
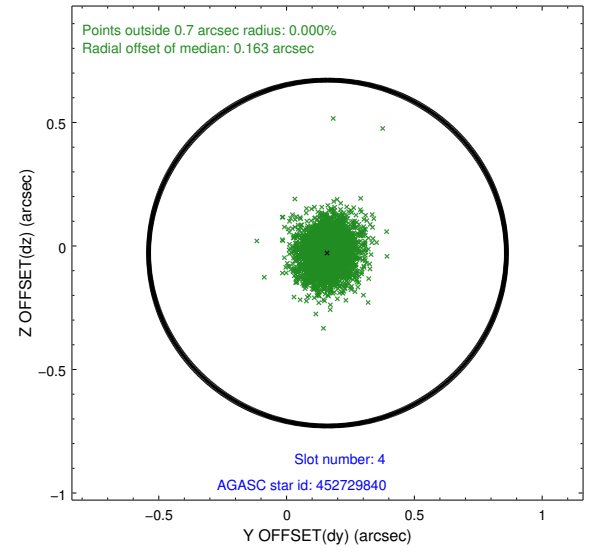
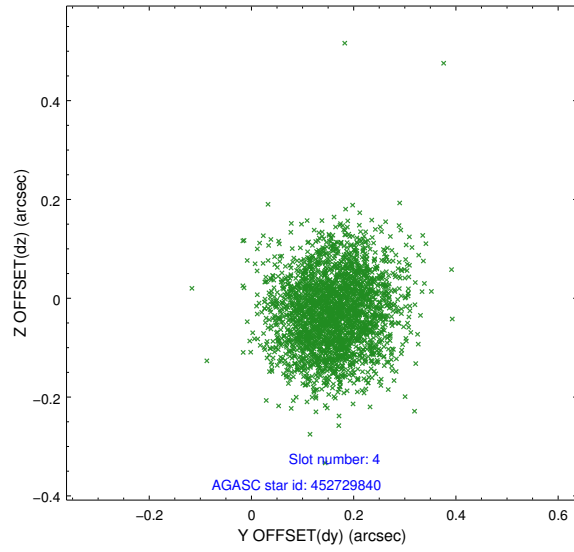
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1266	-0.065	-0.021	0.009	0.015	0.000000	0.000000	-769.83	-1738.07
1	FID	ACIS-S-4	7.18	1266	0.148	0.037	0.006	0.011	0.000000	0.000000	2143.15	169.22
2	FID	ACIS-S-5	7.22	1266	-0.114	-0.007	0.009	0.014	0.000000	0.000000	-1821.20	164.23
3	GUIDE	452728128	7.26	2530	-0.020	0.100	0.060	0.095	178.666422	48.933126	-1530.07	-1150.35
4	GUIDE	452729840	9.44	2526	0.160	-0.029	0.104	0.163	179.209091	49.489671	-165.95	794.27
5	GUIDE	453125800	9.58	2529	-0.024	0.166	0.098	0.159	180.109153	49.171947	1905.56	-421.27
6	GUIDE	453128880	8.83	2527	-0.077	-0.038	0.085	0.138	180.110350	49.584959	1951.36	1064.62
7	GUIDE	452731456	9.06	2529	-0.049	-0.196	0.105	0.164	179.499520	49.911597	570.38	2286.87

2.4 Star Slots

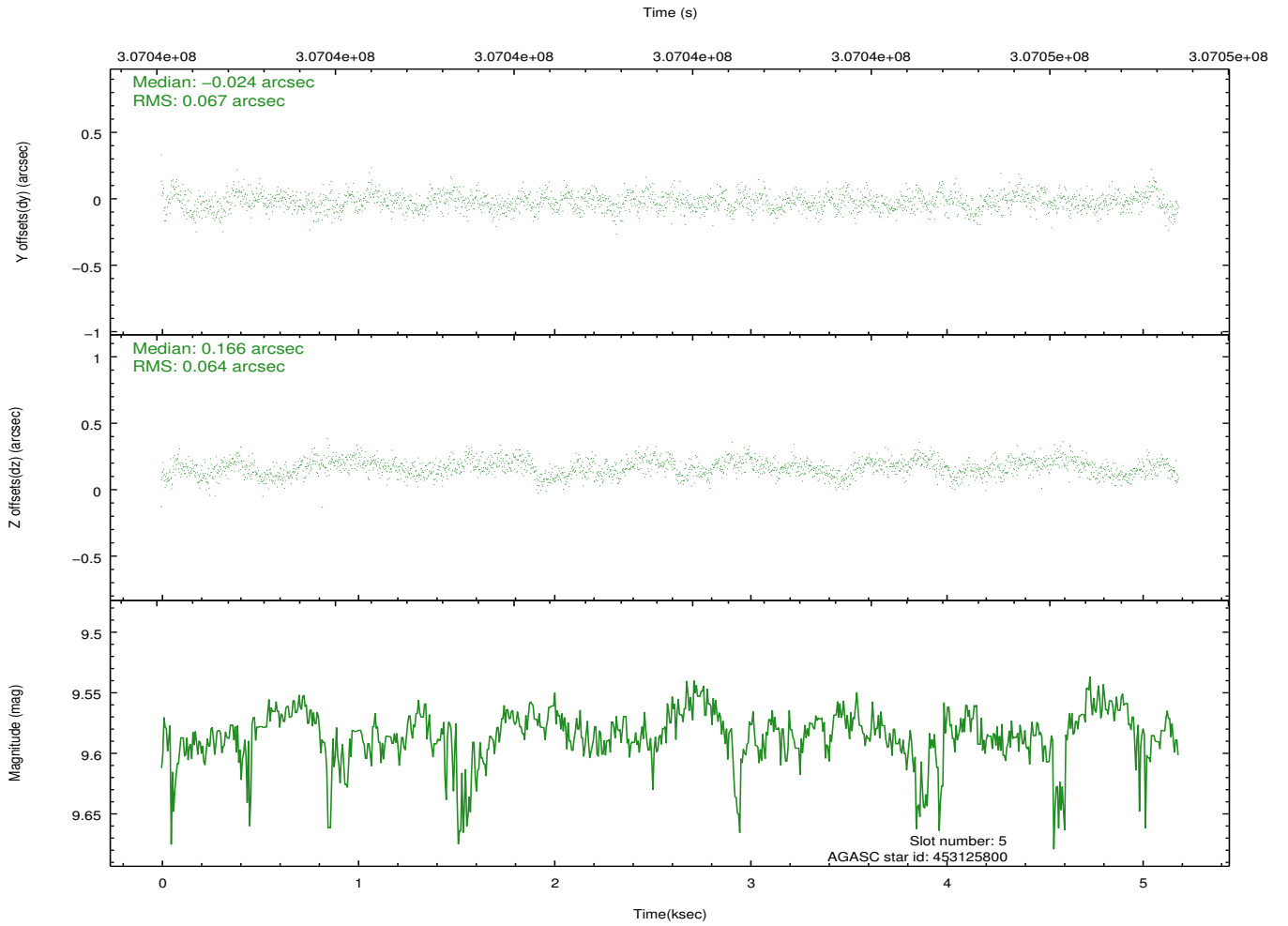
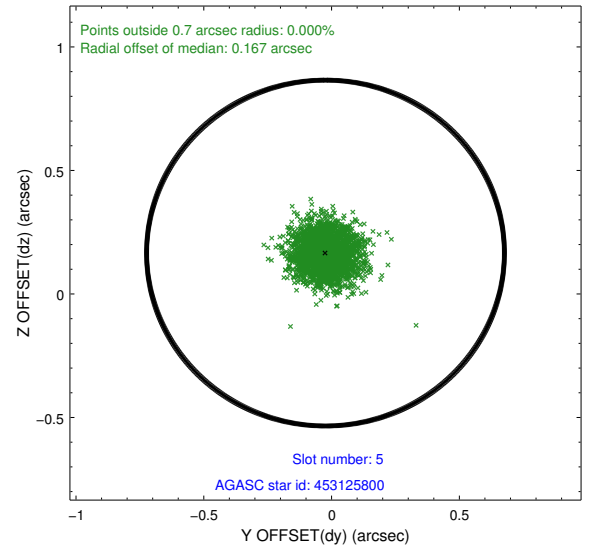
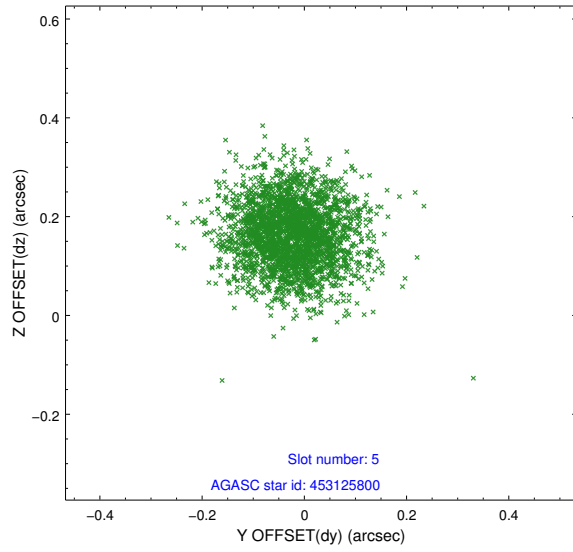
2.4.1 Slot 3



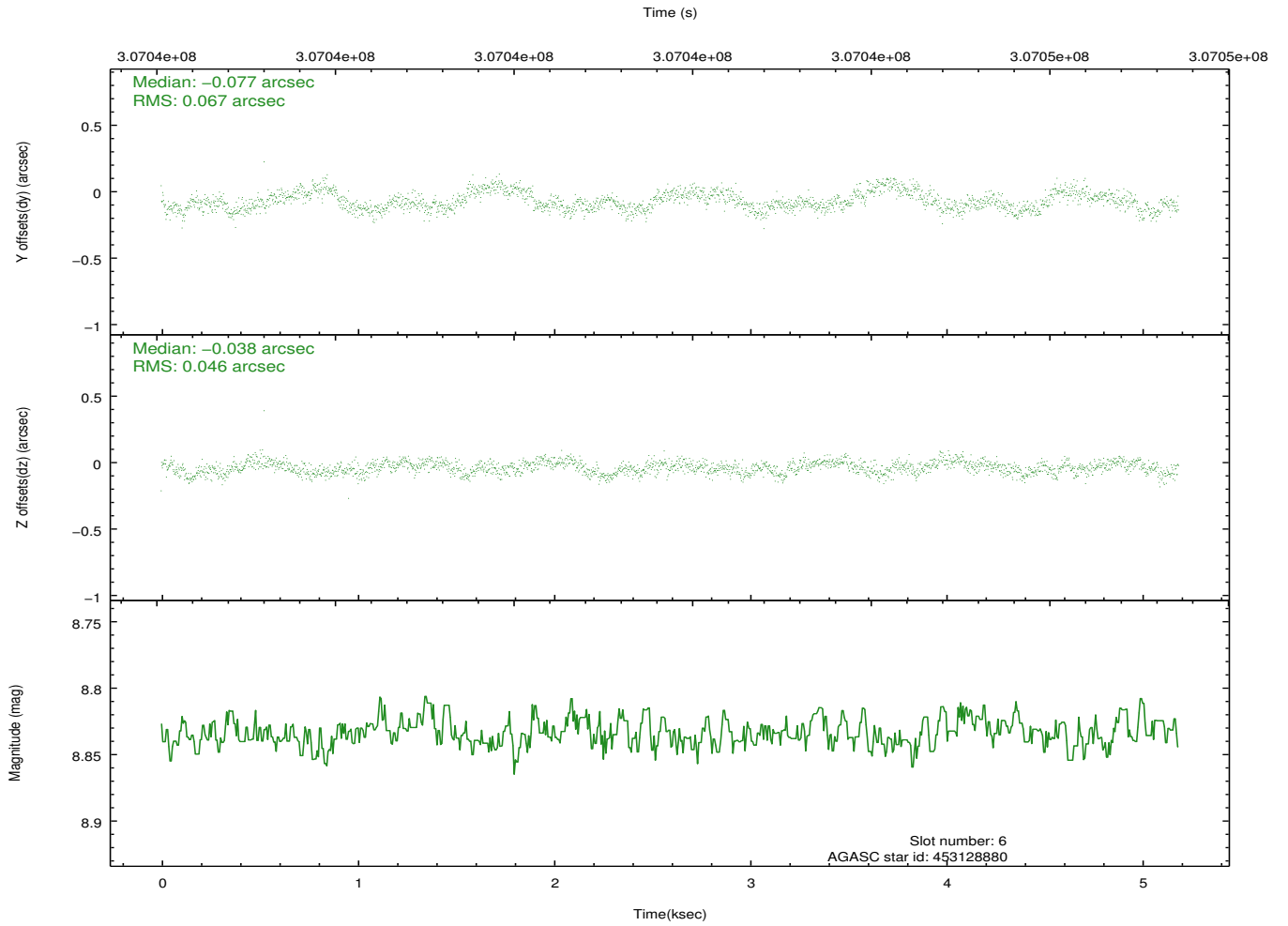
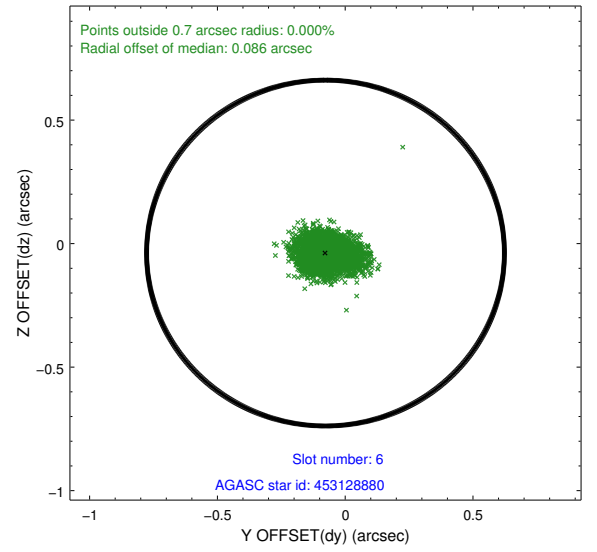
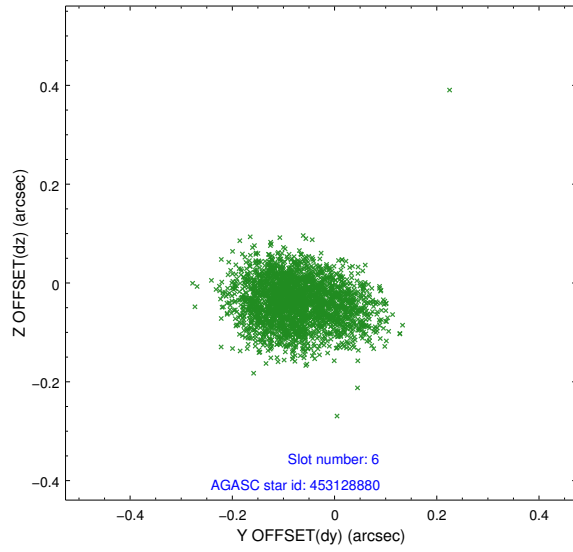
2.4.2 Slot 4



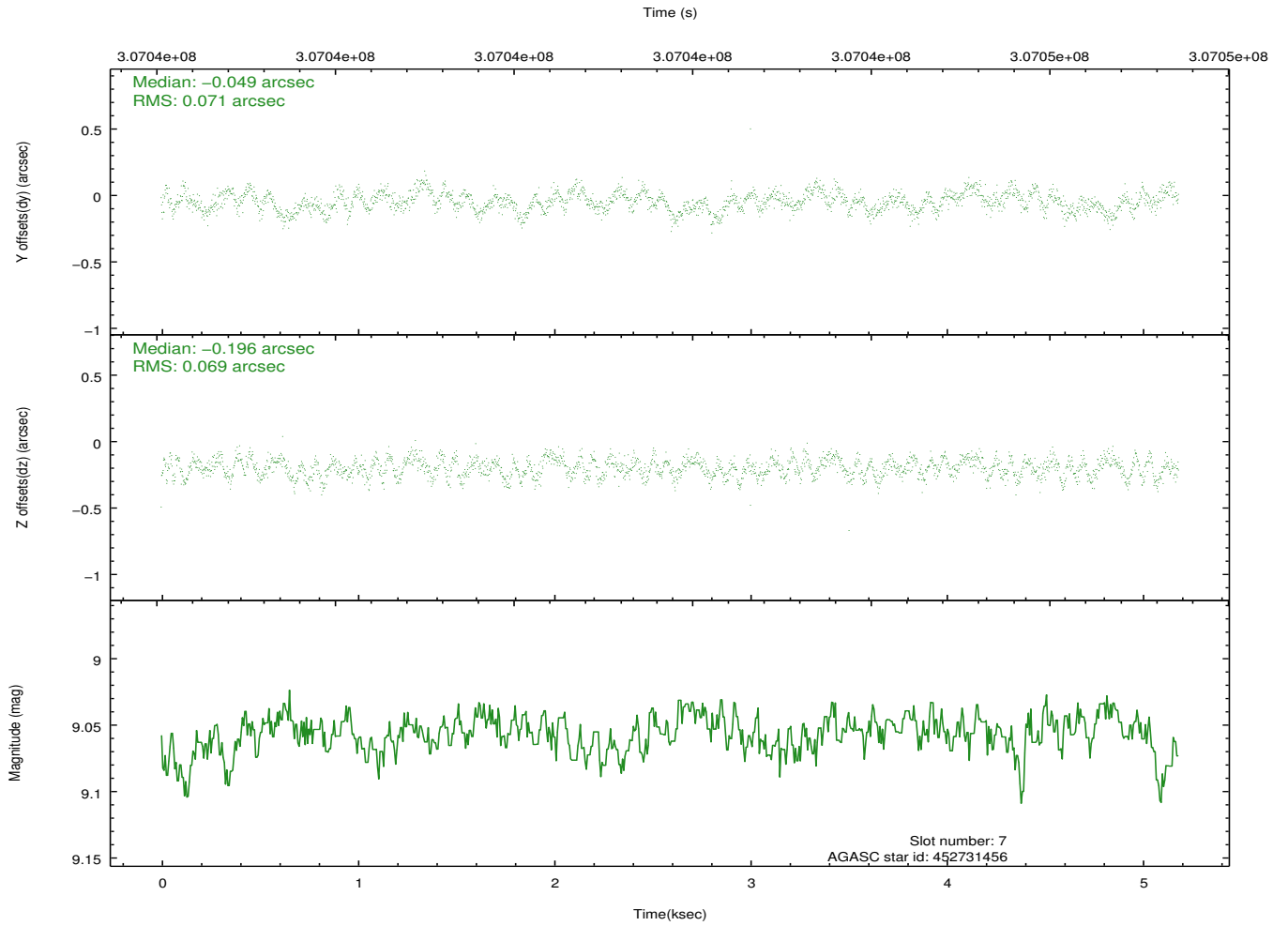
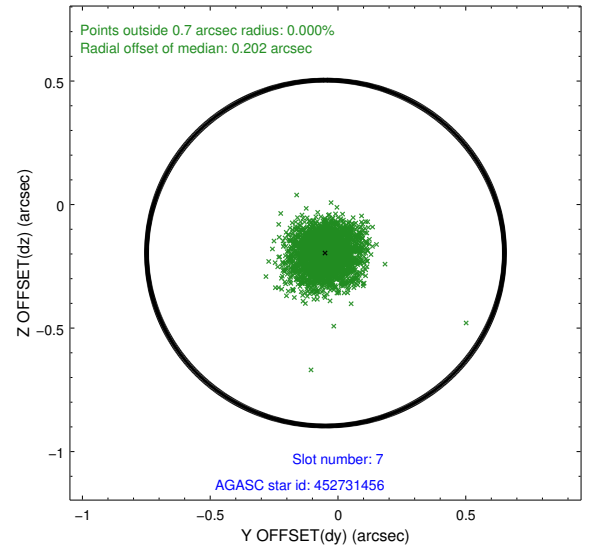
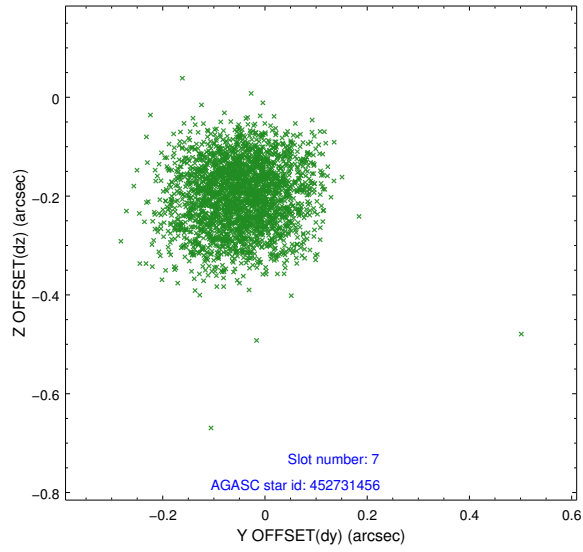
2.4.3 Slot 5



2.4.4 Slot 6

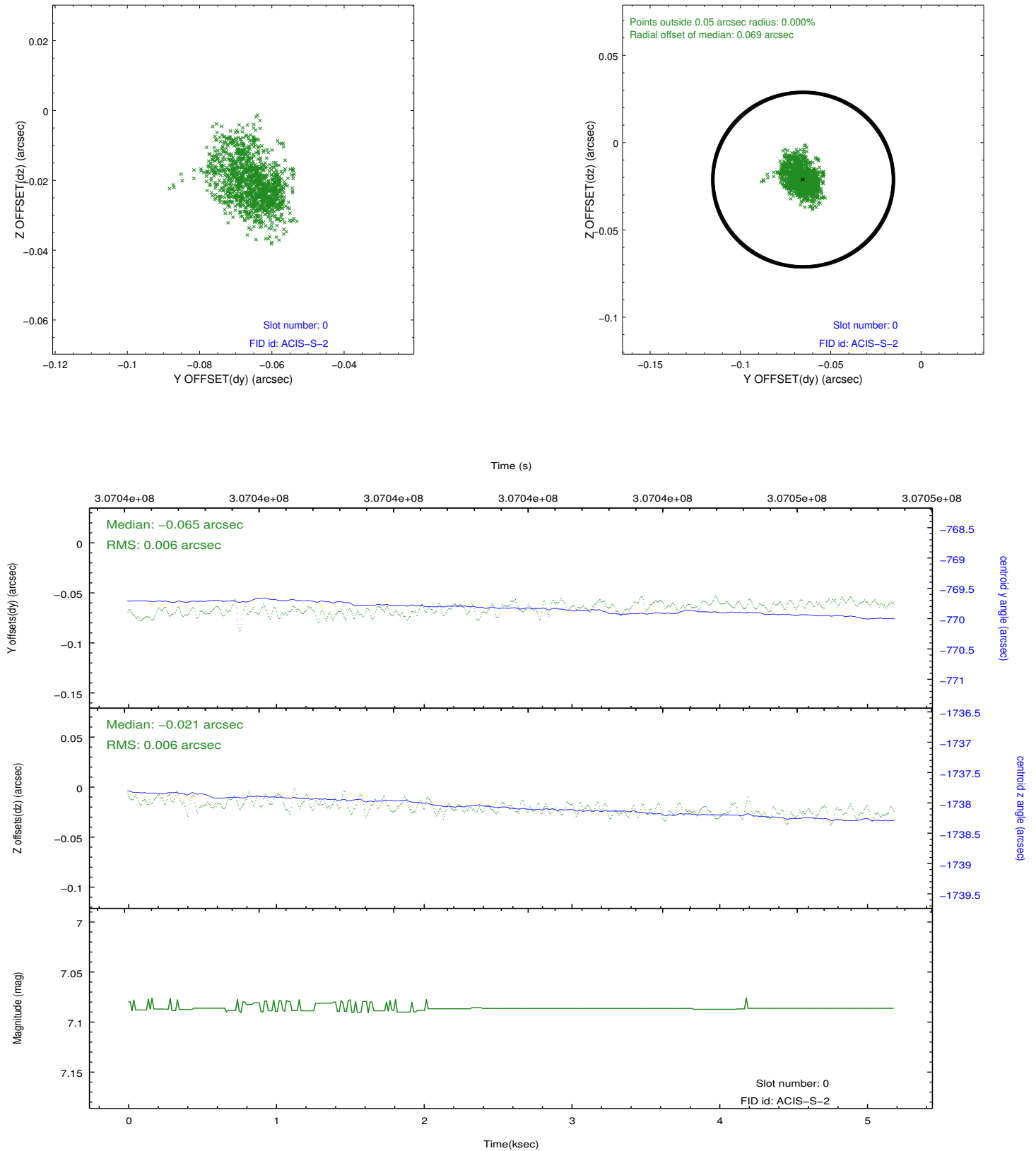


2.4.5 Slot 7

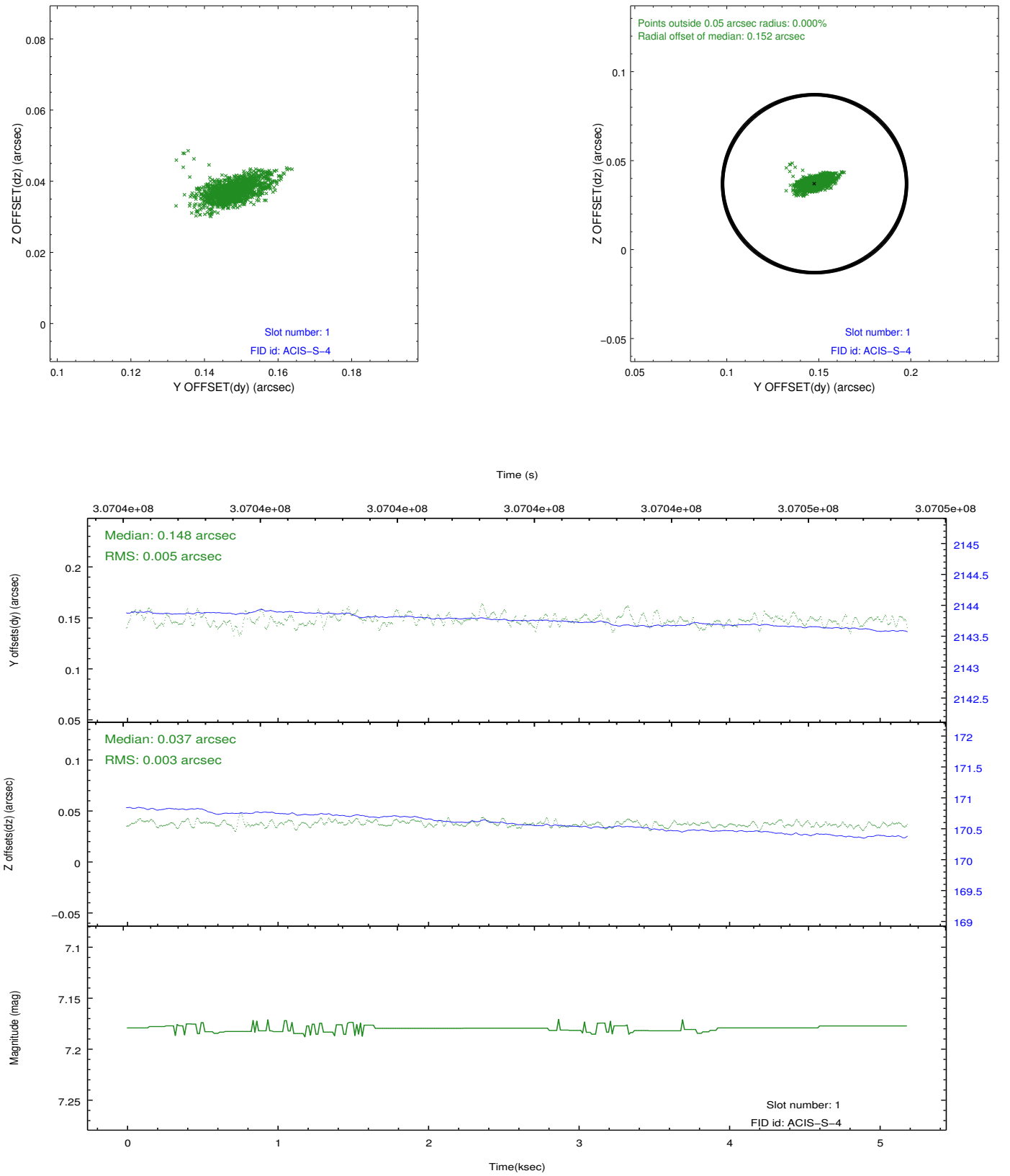


2.5 FID Slots

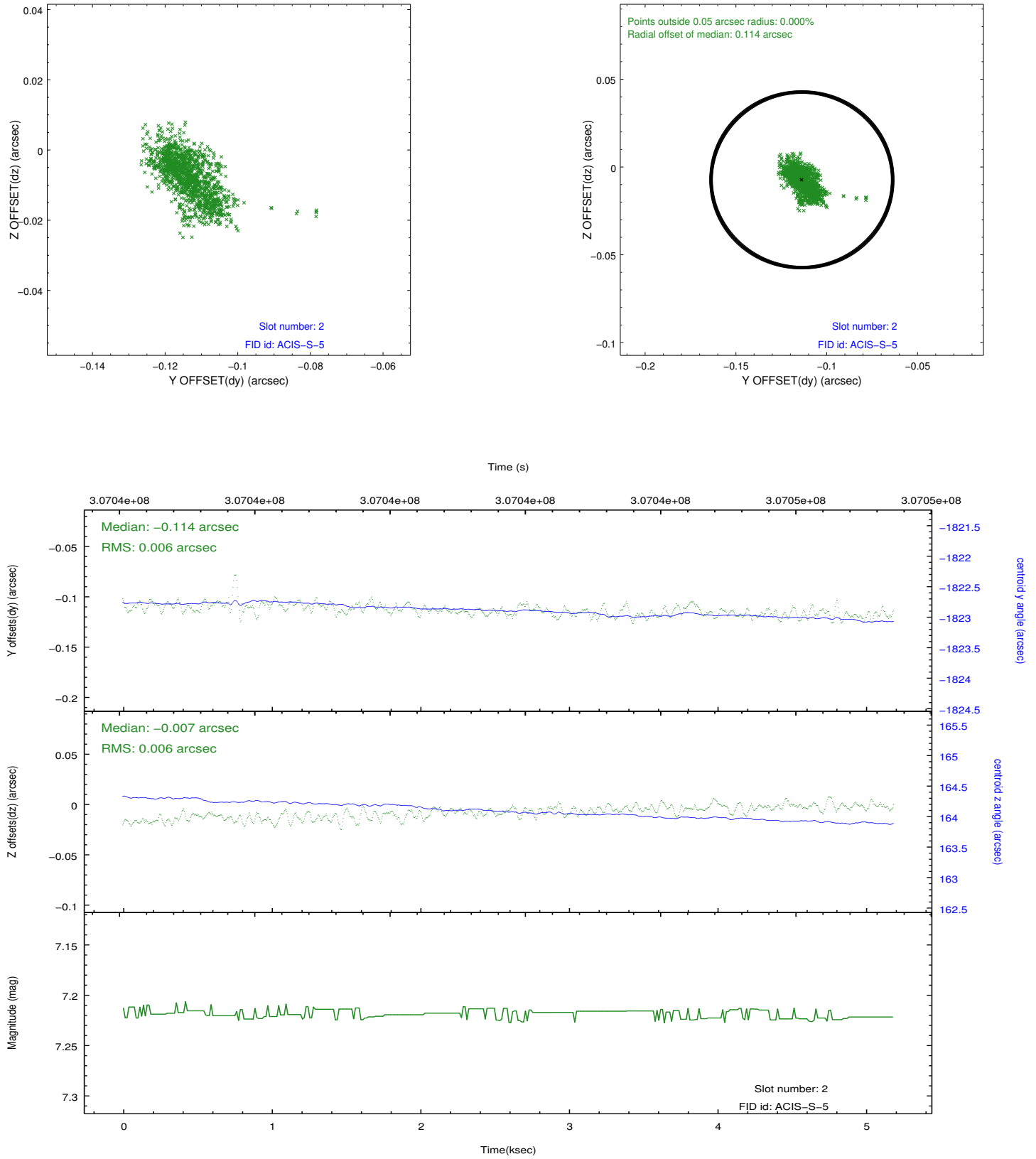
2.5.1 Slot 0



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)	2012.05.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.85439998

A.2 Comments