

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2900 - L2 Version 4
Chandra X-Ray Center

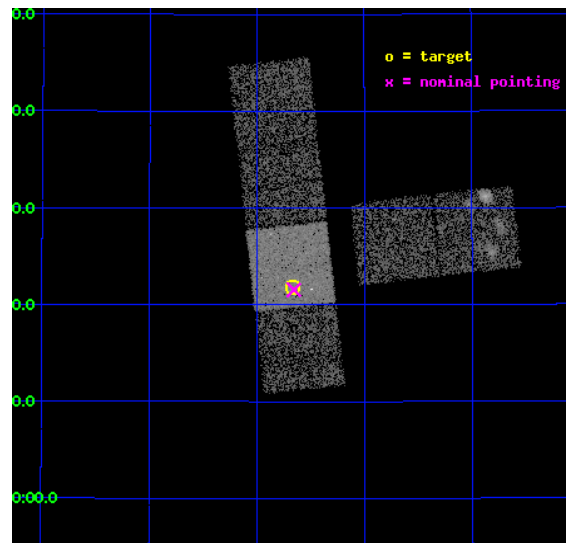
L2 Processing Date : Oct 18 2012

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1 Front

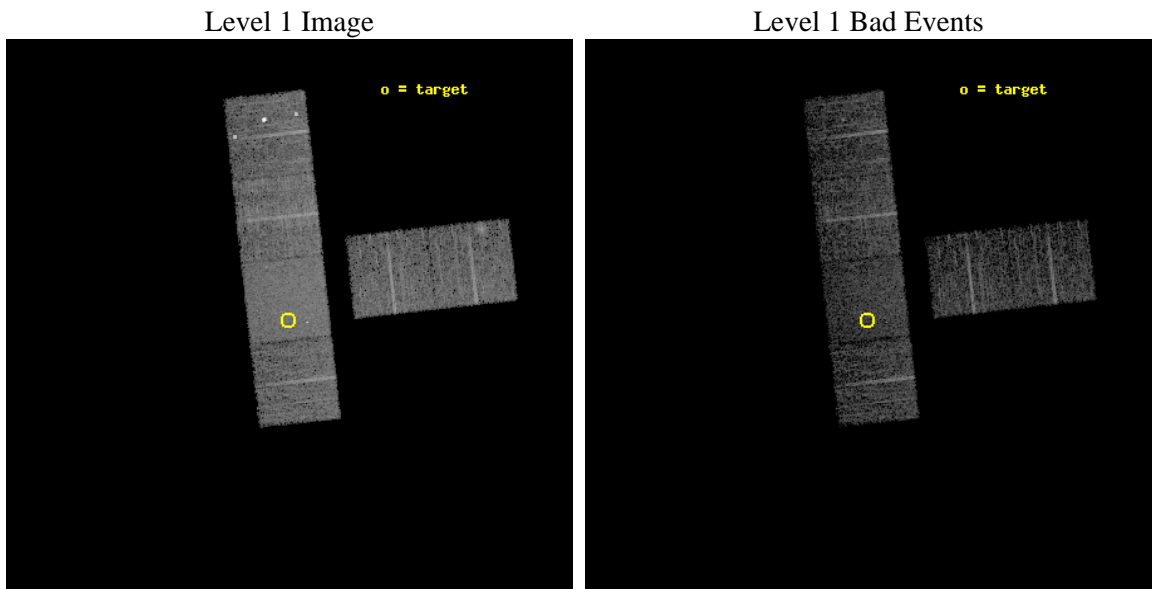
seq_num	600237	Sequence number
obs_id	2900	Observation id
title	SEARCHING FOR X-RAY TRANSIENTS IN M31 WITH CHANDRA AND HST	Proposa
observer	Dr. Michael Garcia	Principal investigator
object	M31-T5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	11.167	Observer's specified target RA [deg]
dec_targ	41.363	Observer's specified target Dec [deg]
ra_nom	11.164100505497	Nominal RA [deg]
dec_nom	41.359164407307	Nominal Dec [deg]
roll_nom	263.66075218727	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5180.7999807	Sum of GTIs [s]
livetime	5115.1975718412	Livetime [s]
ontime1	5180.7999807	Sum of GTIs [s]
ontime3	5180.7999807	Sum of GTIs [s]
ontime6	5180.7999807	Sum of GTIs [s]
ontime7	5180.7999807	Sum of GTIs [s]
ontime8	5180.7999807	Sum of GTIs [s]
ontime9	5180.7999807	Sum of GTIs [s]
l2events	38744	Number of level 2 events



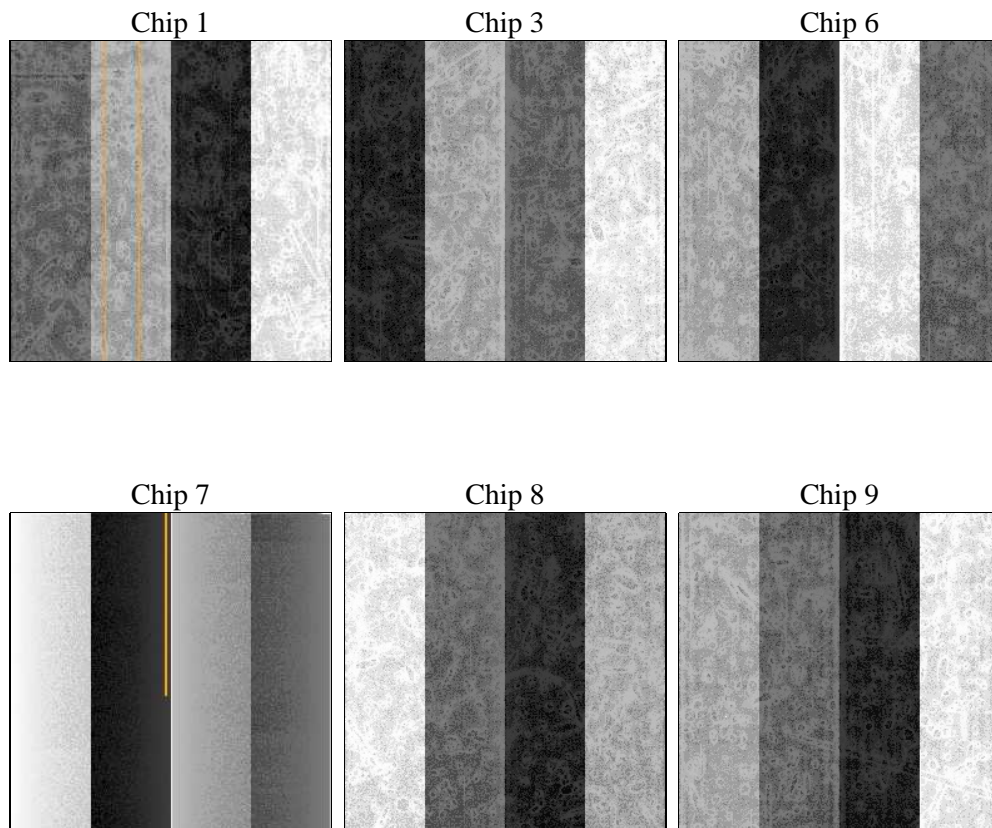
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5180.7999807	Sum of GTIs [s]
caldsver	4.5.2	 	ontime1	5180.7999807	Sum of GTIs [s]
date	2012-10-18T05:21:34	Date and time of file creation	ontime3	5180.7999807	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	5180.7999807	Sum of GTIs [s]
			ontime7	5180.7999807	Sum of GTIs [s]
			ontime8	5180.7999807	Sum of GTIs [s]
			ontime9	5180.7999807	Sum of GTIs [s]
			l1events	234844	Number of level 1 events

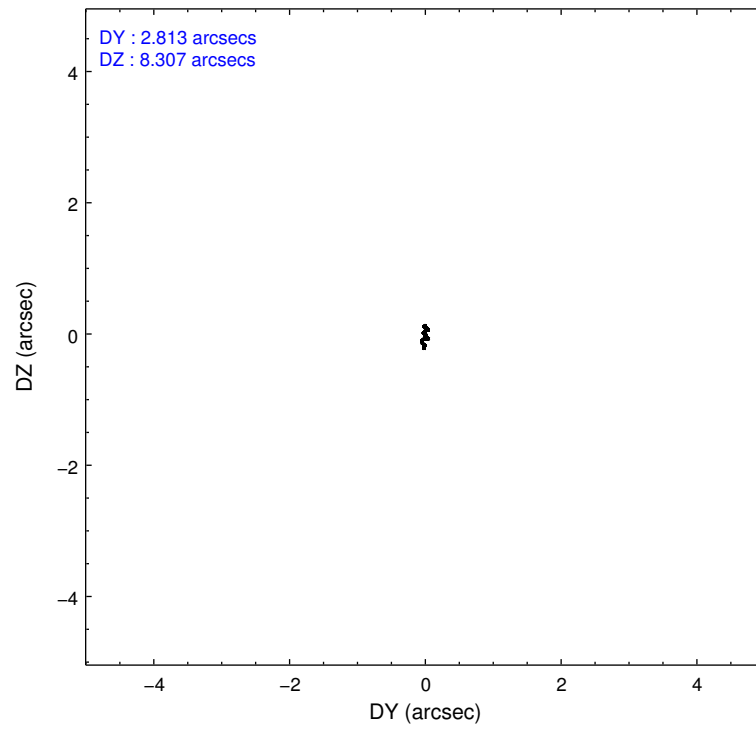
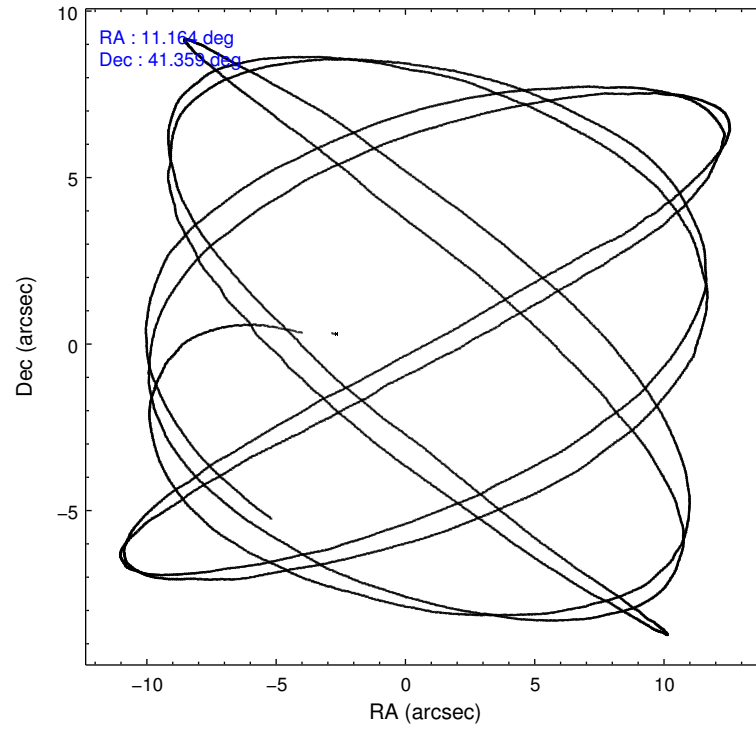
2.1.4 Events

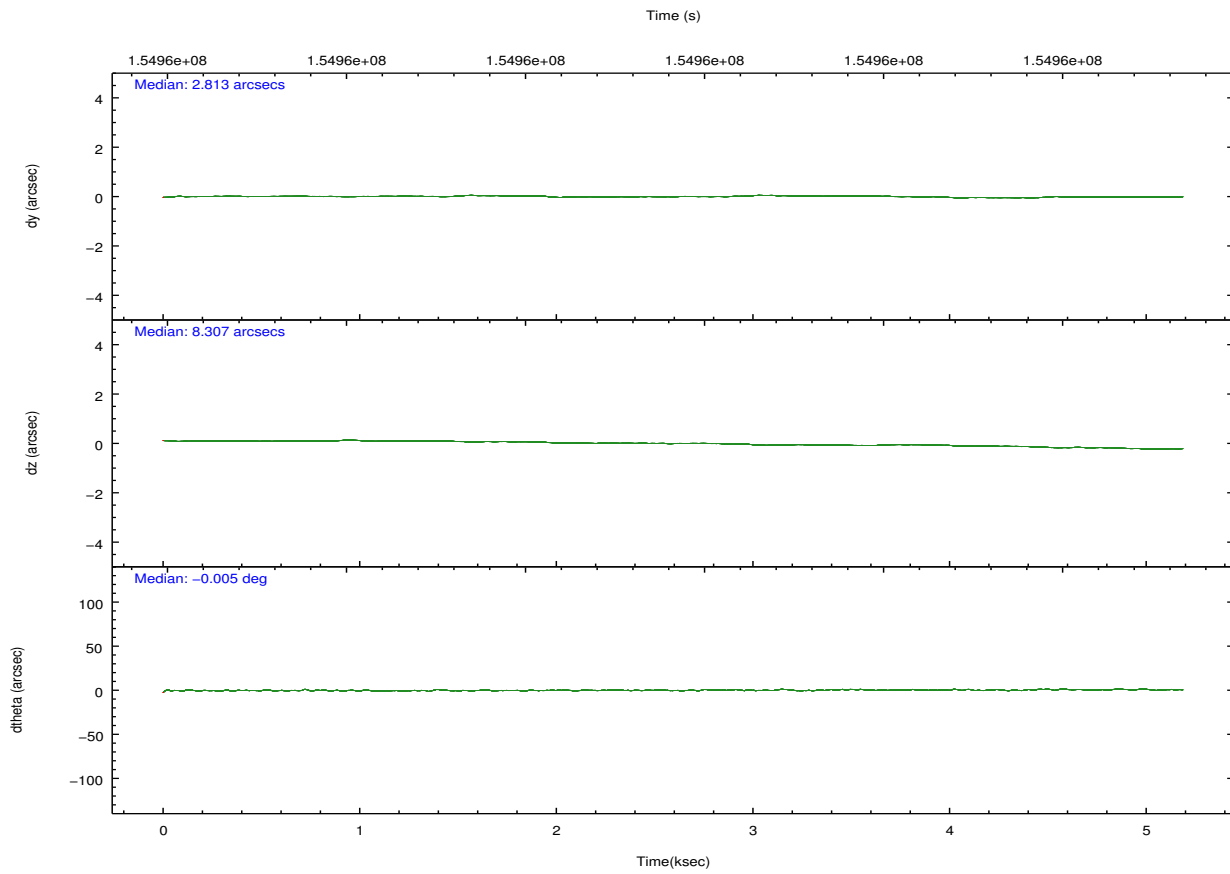
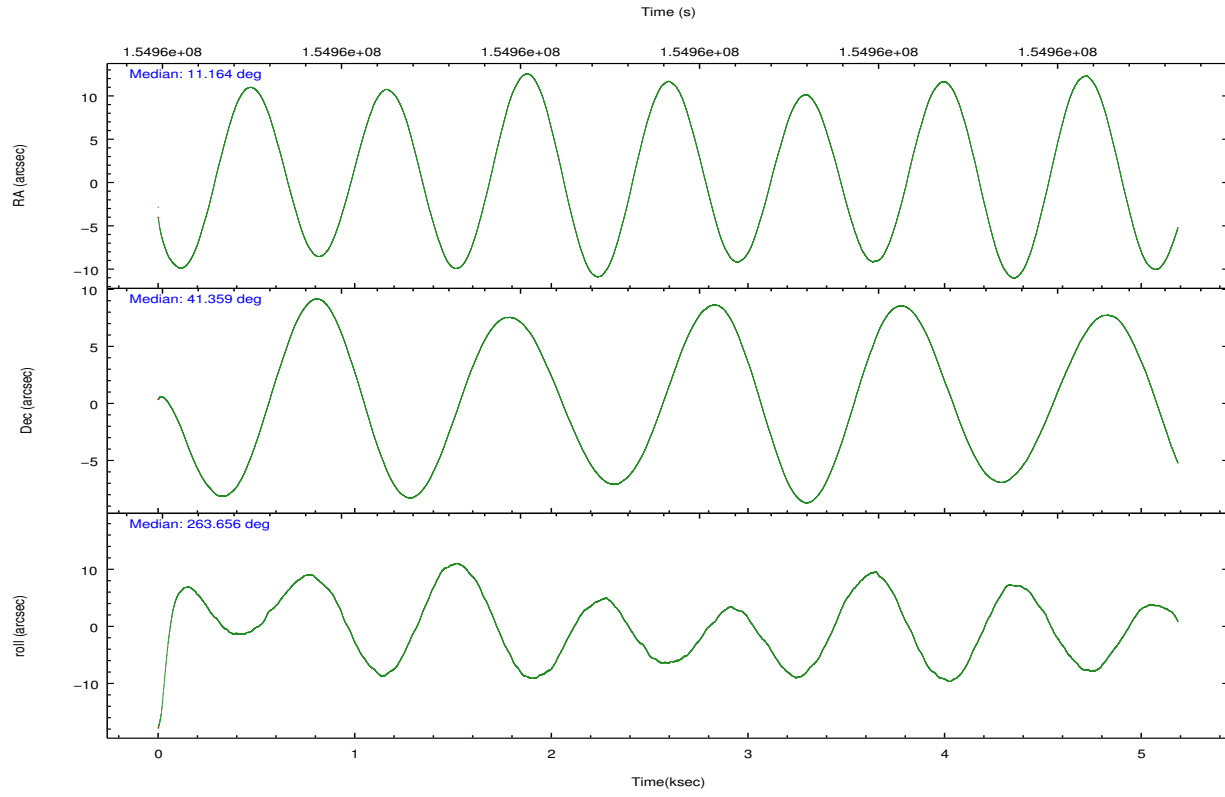
	ccd 1	ccd 3	ccd 6	ccd 7	ccd 8	ccd 9		ccd 1	ccd 3	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	33582	32675	34148	46663	43652	44124	grade 0 events	2986	1867	1847	2102	3203	13072
rejected events	27965	28690	29986	27171	34367	29151		8%	5%	5%	4%	7%	29%
rejected %	83%	87%	87%	58%	78%	66%	grade 1 events	25	24	16	46	28	95
								0%	0%	0%	0%	0%	0%
							grade 2 events	1105	808	918	3957	2071	844
								3%	2%	2%	8%	4%	1%
							grade 3 events	464	392	368	1769	1018	400
								1%	1%	1%	3%	2%	0%
							grade 4 events	466	393	373	1863	964	482
								1%	1%	1%	3%	2%	1%
							grade 5 events	1431	1425	1437	4310	1915	1531
								4%	4%	4%	9%	4%	3%
							grade 6 events	815	709	813	10625	2445	821
								2%	2%	2%	22%	5%	1%
							grade 7 events	26290	27057	28376	21991	32008	26879
								78%	82%	83%	47%	73%	60%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-136789	ACIS-136789	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	11.149176	11.16410050549689	Subarray requested	NONE	NONE
[deg] Pointing Dec	41.383980	41.35916440730727	Alternating exposures requested	N	N
[deg] Pointing Roll	263.514023	263.6607521872698	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	154526464.184000	154526464.184000			
[s] Window stop time (MET)	155131264.184000	155131264.184000			
[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)	154959419.184000	154958243.40008			
Observation start date	2002-11-29T12:15:55	2002-11-29T11:57:23			
[s] Observation end time (MET)	154964419.184000	154965080.66287			
Observation end date	2002-11-29T13:39:15	2002-11-29T13:51:20			
Read mode	TIMED	TIMED			

2.3 Aspect



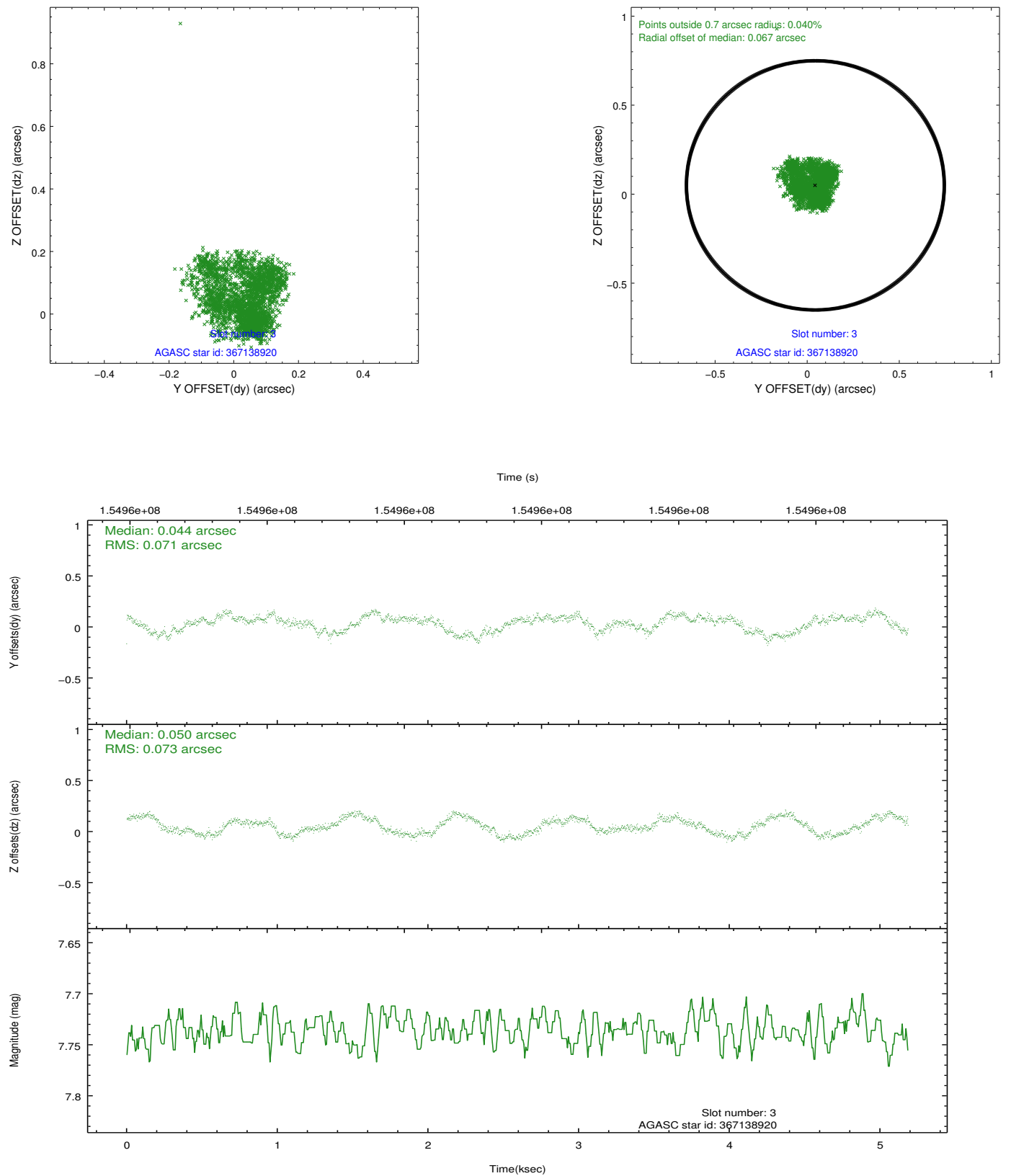


Slot Statistics

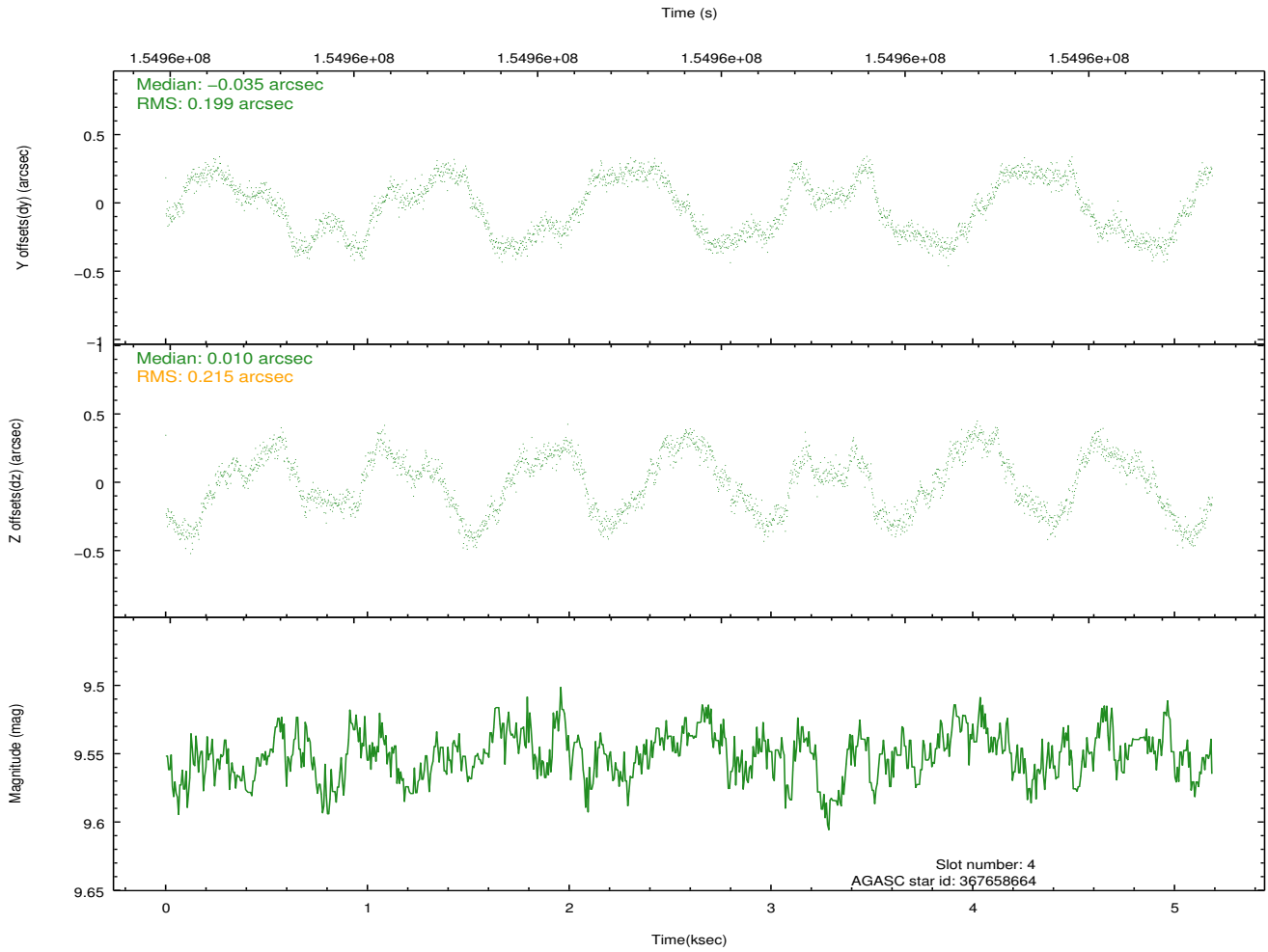
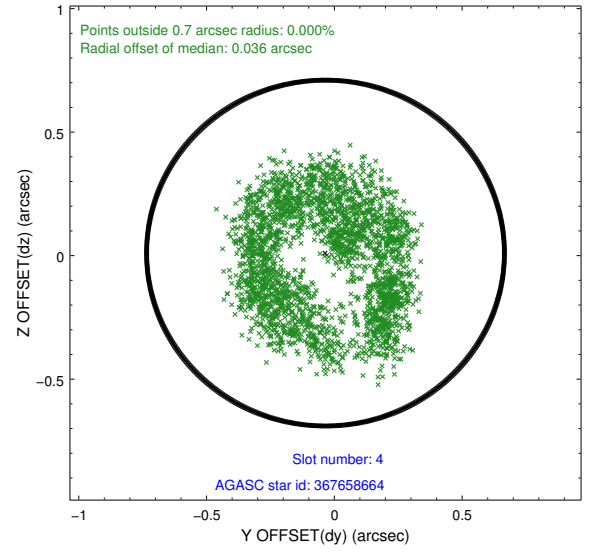
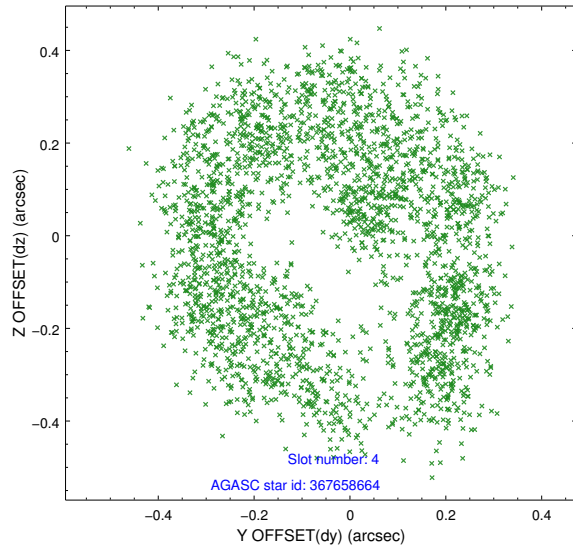
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1266	0.033	0.002	0.007	0.013	0.000000	0.000000	940.60	-1725.13
1	FID	ACIS-S-5	7.24	1265	-0.015	0.046	0.006	0.010	0.000000	0.000000	-1807.77	171.30
2	FID	ACIS-S-6	7.35	1265	-0.039	-0.037	0.007	0.012	0.000000	0.000000	404.85	816.48
3	GUIDE	367138920	7.74	2529	0.044	0.050	0.109	0.166	11.513485	40.808909	1942.58	1219.50
4	GUIDE	367658664	9.55	2531	-0.035	0.010	0.324	0.419	10.374070	41.369746	278.75	-2076.40
5	GUIDE	367663272	9.29	2531	0.019	-0.077	0.123	0.179	10.656279	41.699429	-982.39	-1447.28
6	GUIDE	367146616	8.85	2531	0.049	-0.031	0.120	0.173	11.418645	41.190163	608.96	802.50
7	GUIDE	367664016	9.38	2530	-0.061	0.068	0.110	0.176	12.105776	41.954692	-2345.22	2310.54

2.4 Star Slots

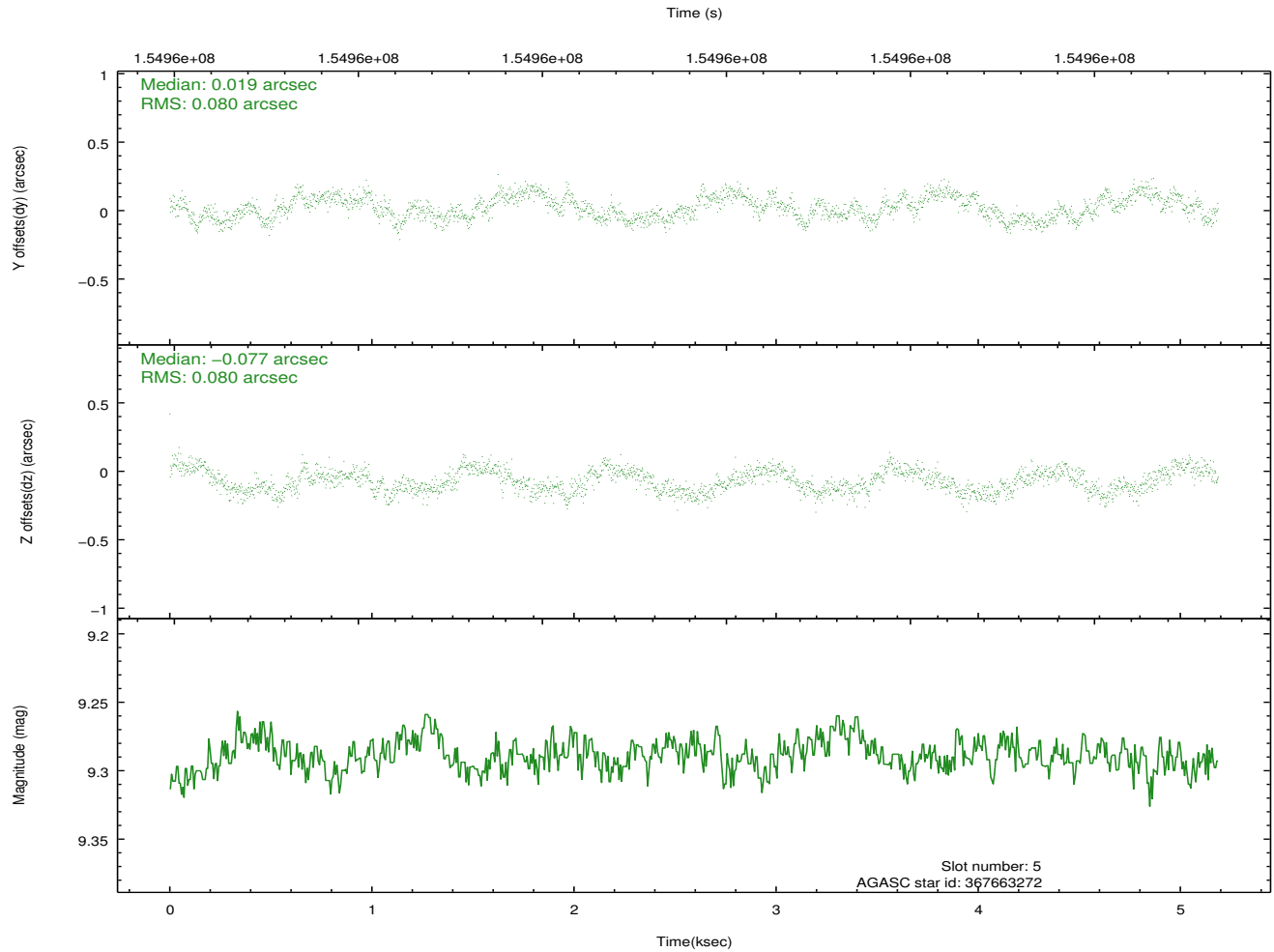
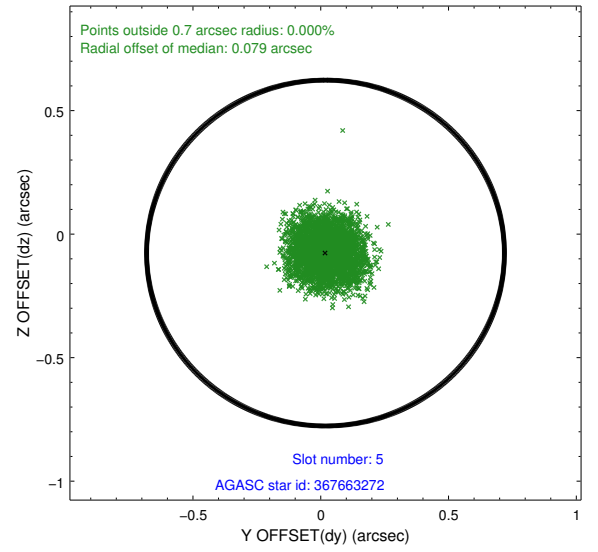
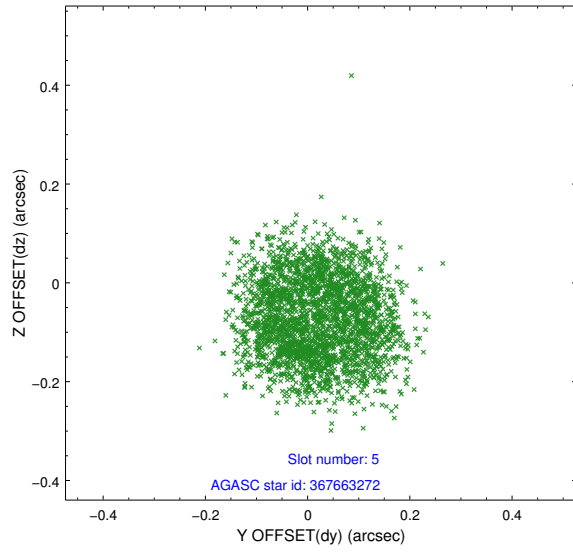
2.4.1 Slot 3



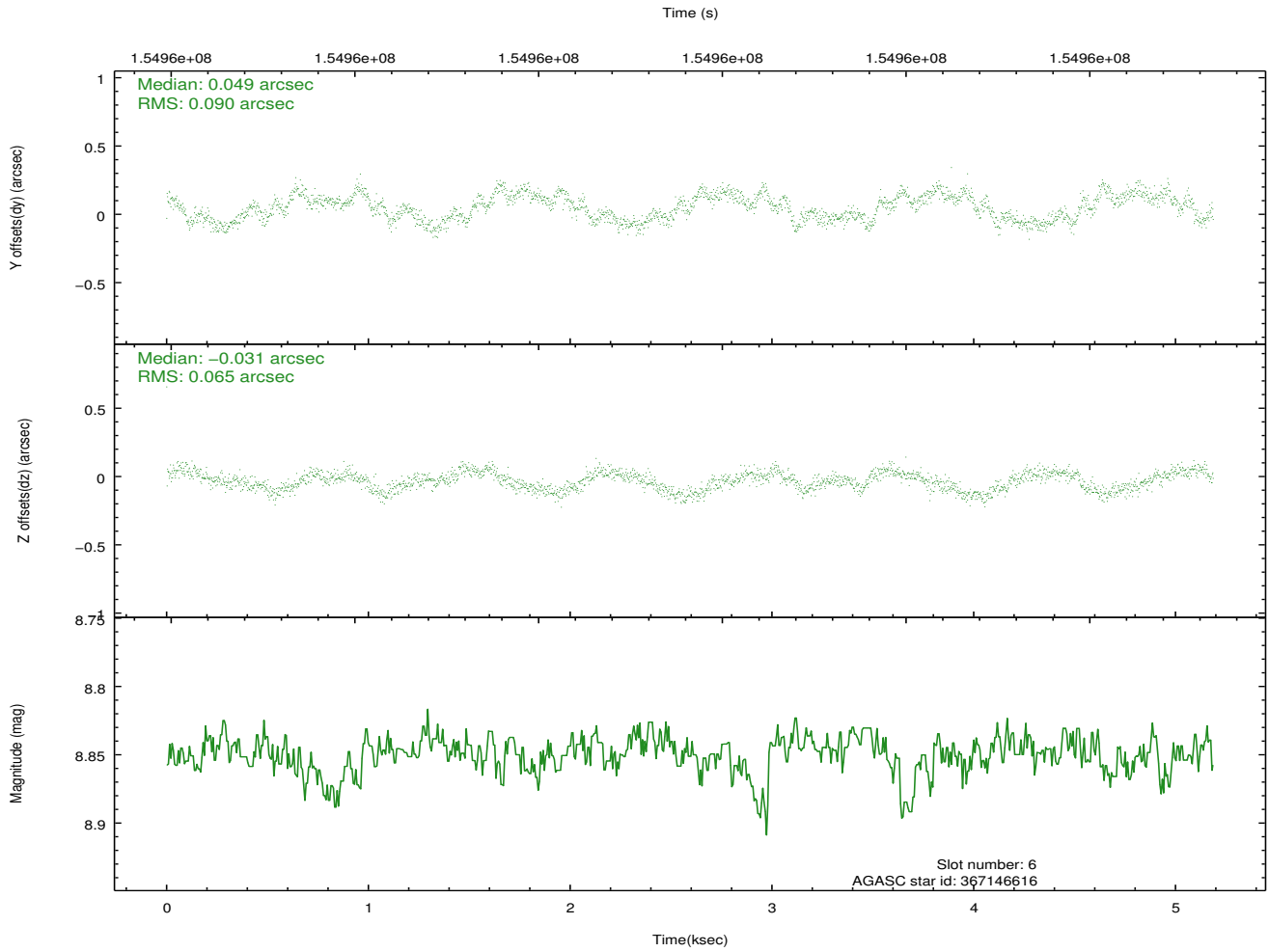
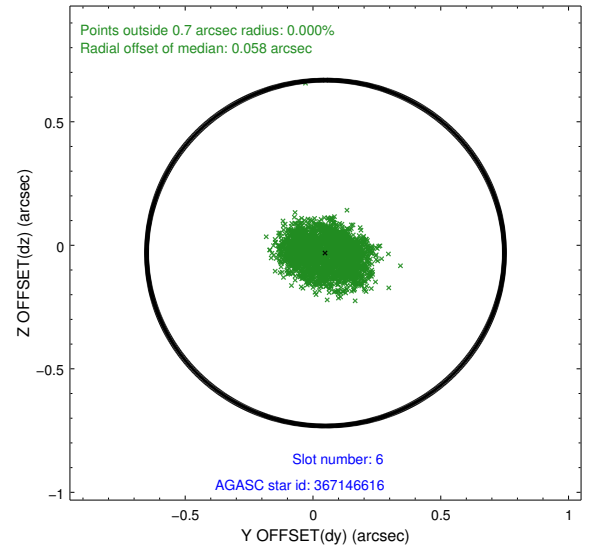
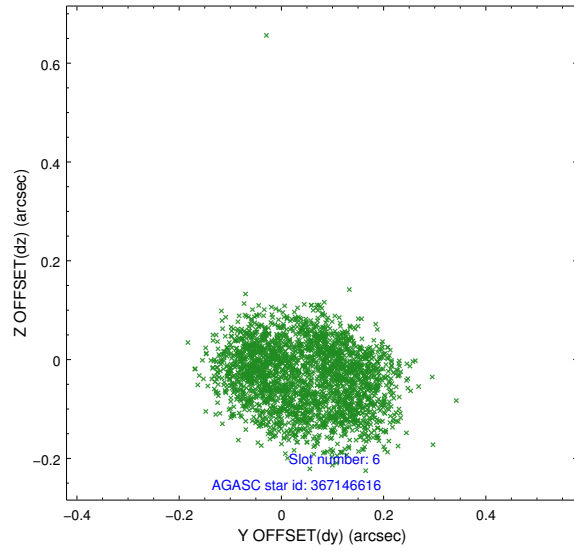
2.4.2 Slot 4



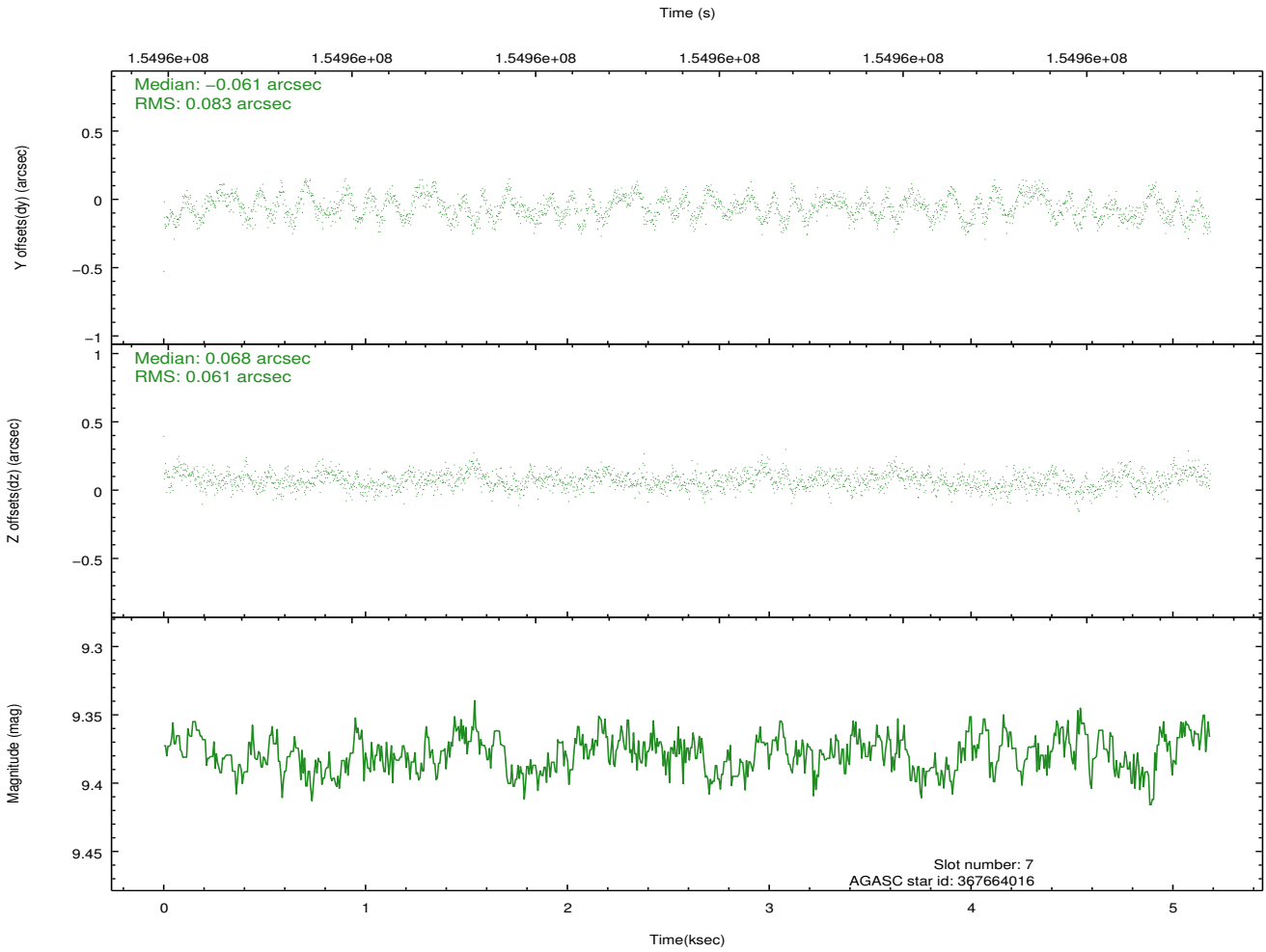
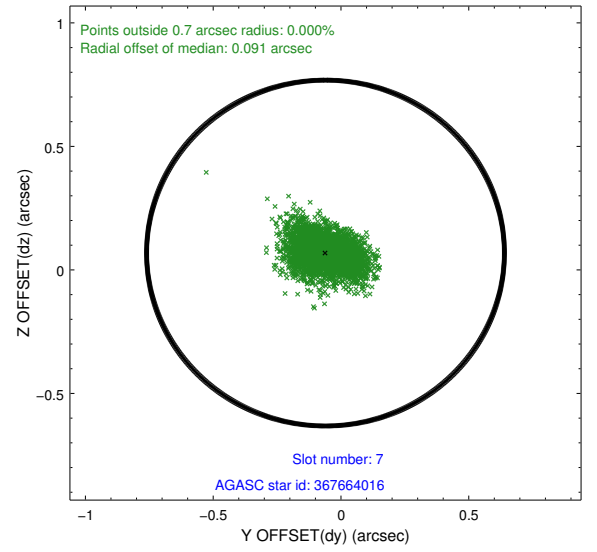
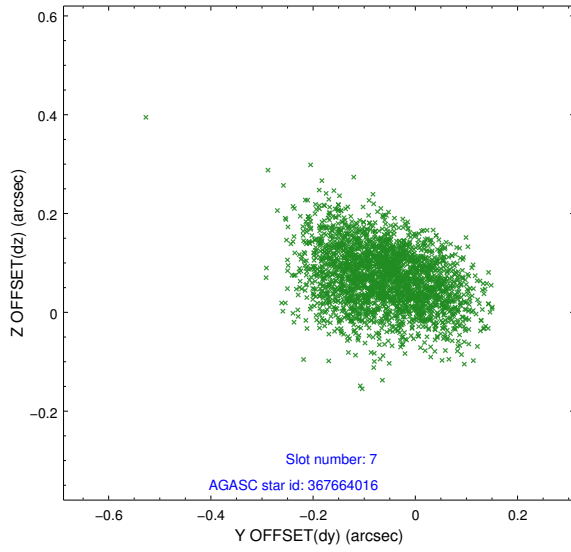
2.4.3 Slot 5



2.4.4 Slot 6

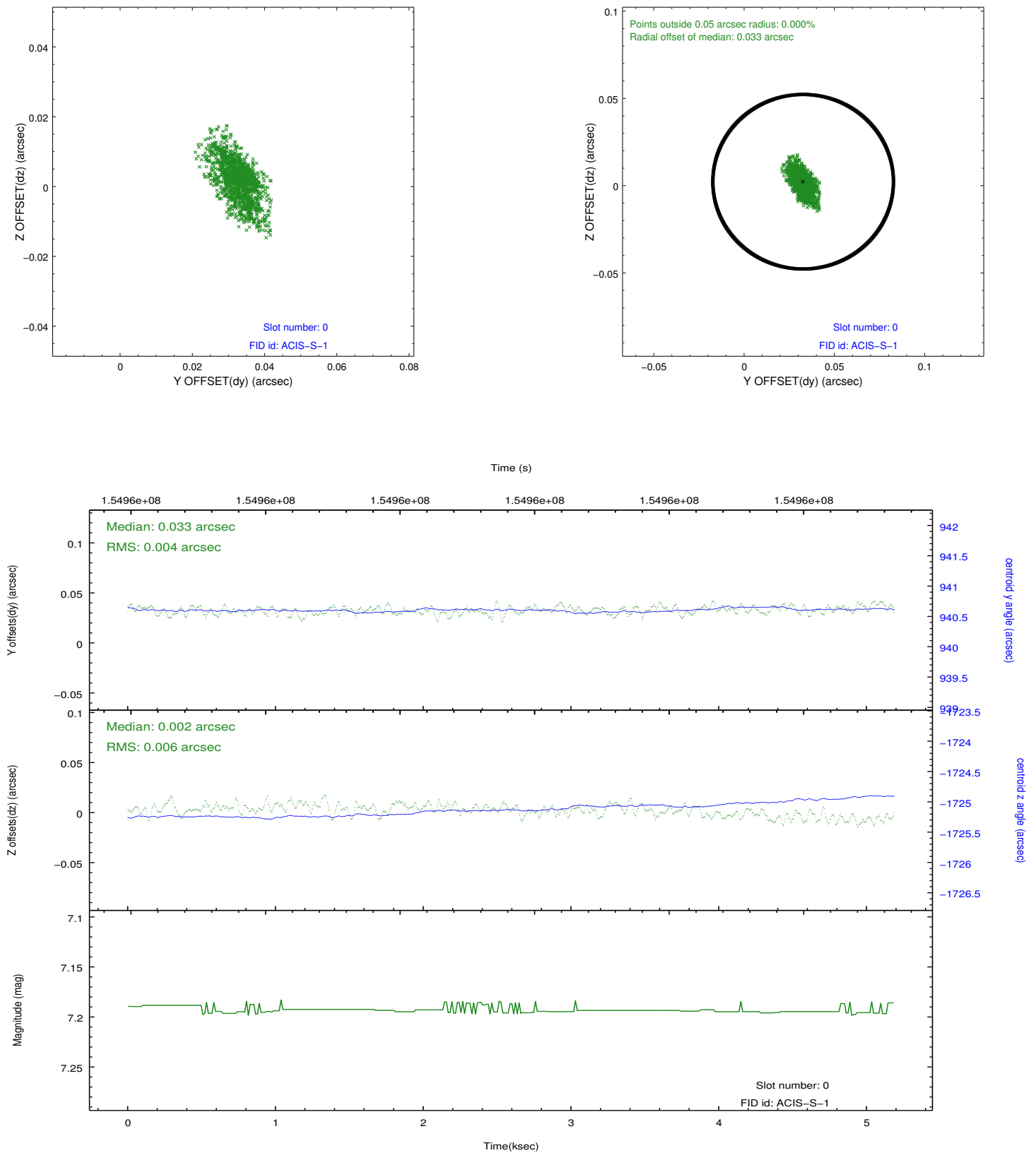


2.4.5 Slot 7

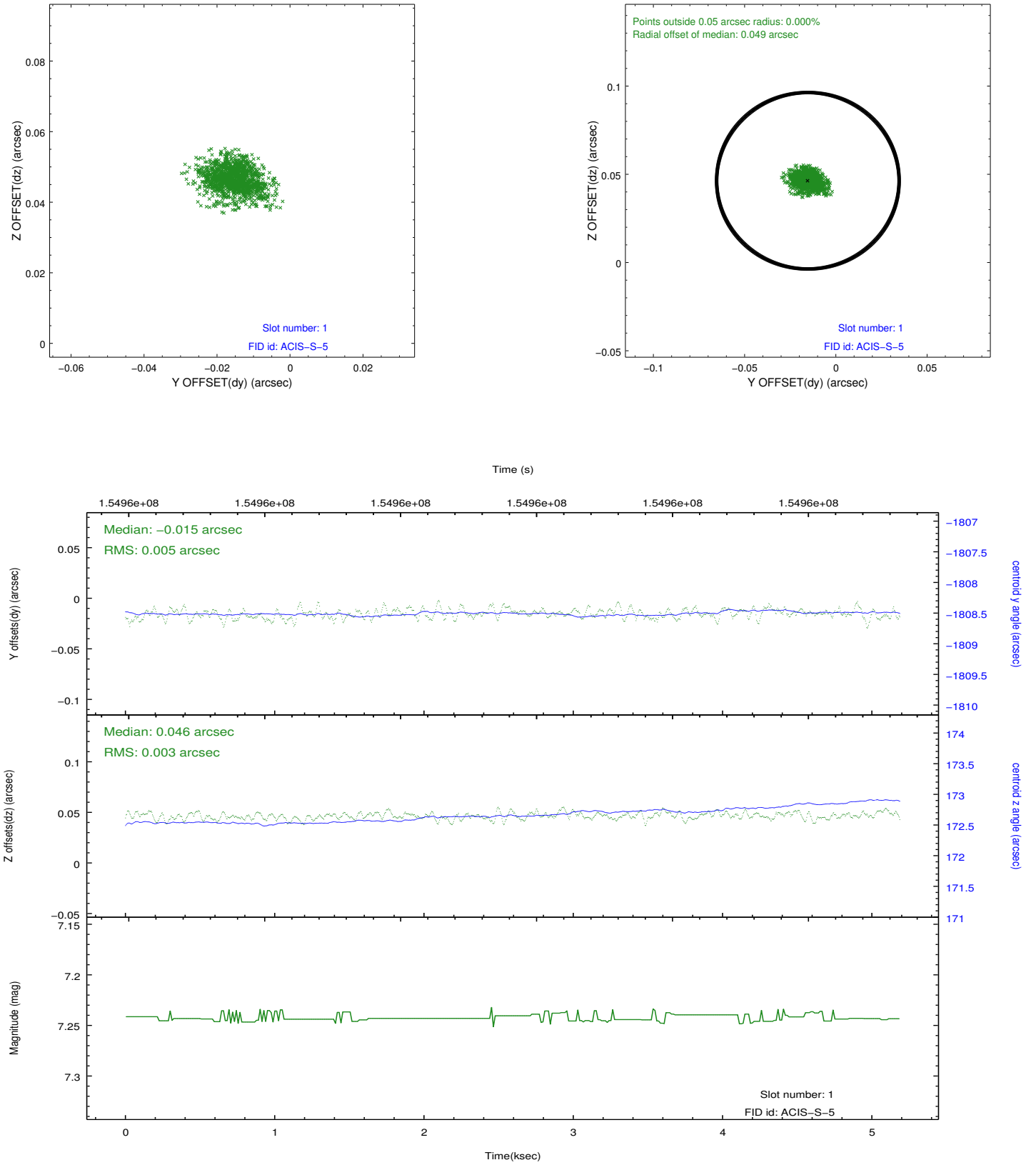


2.5 FID Slots

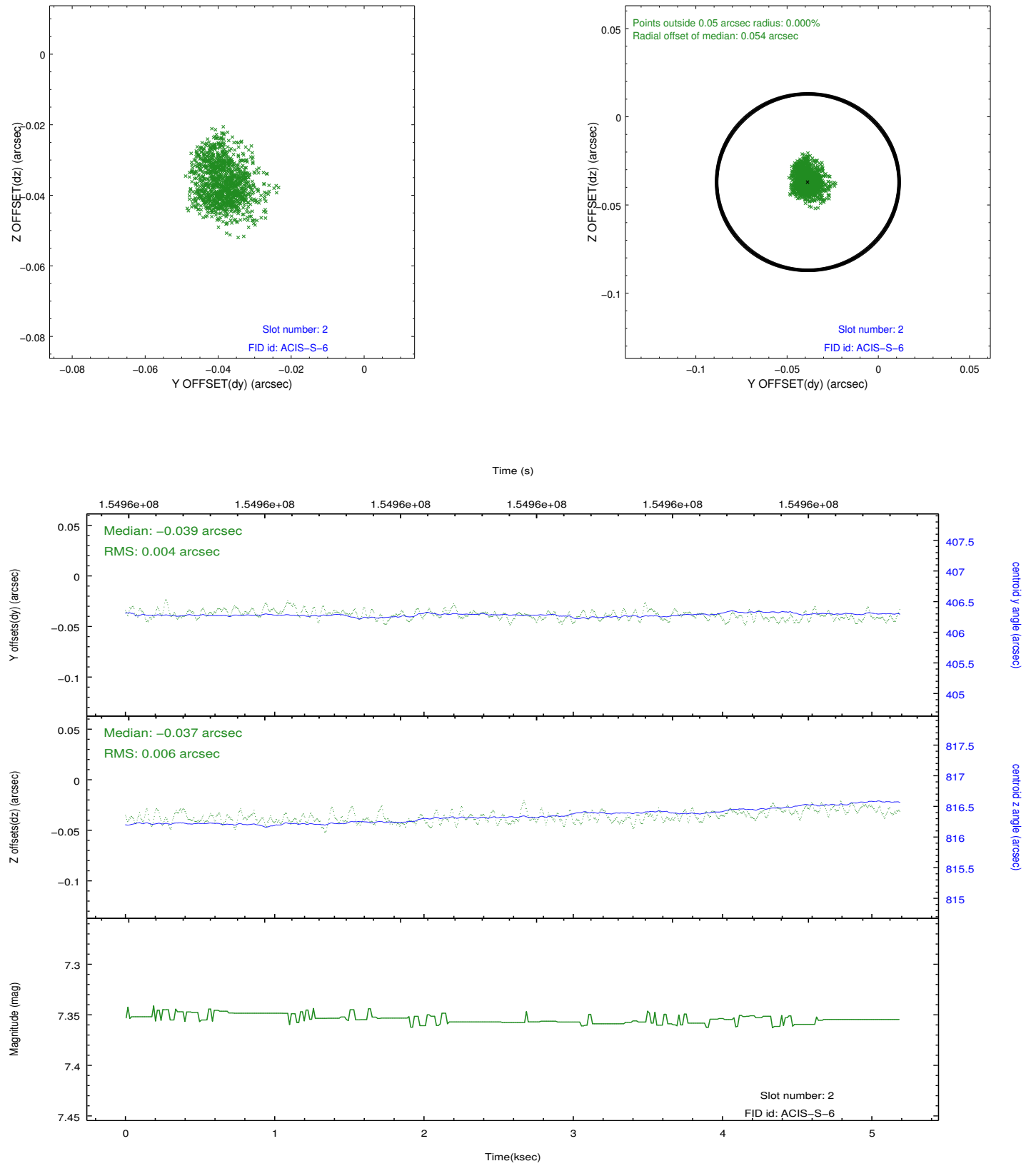
2.5.1 Slot 0



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)	2012.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18

A.2 Comments

Window constraint OK.