

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1622 - L2 Version 001
Chandra X-Ray Center

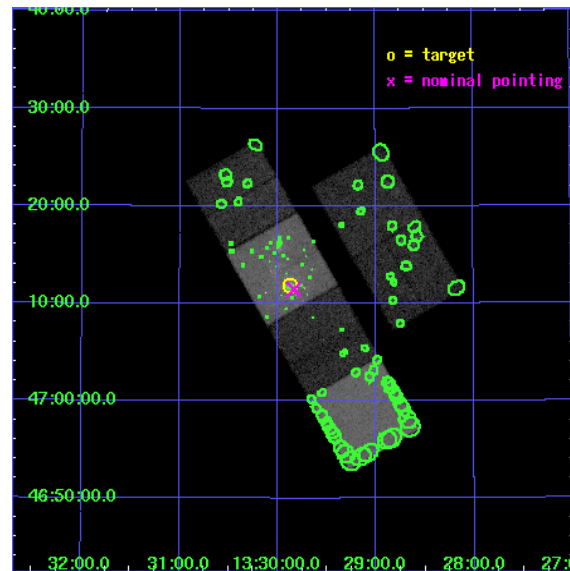
L2 Processing Date : Dec 8 2006

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1 Front

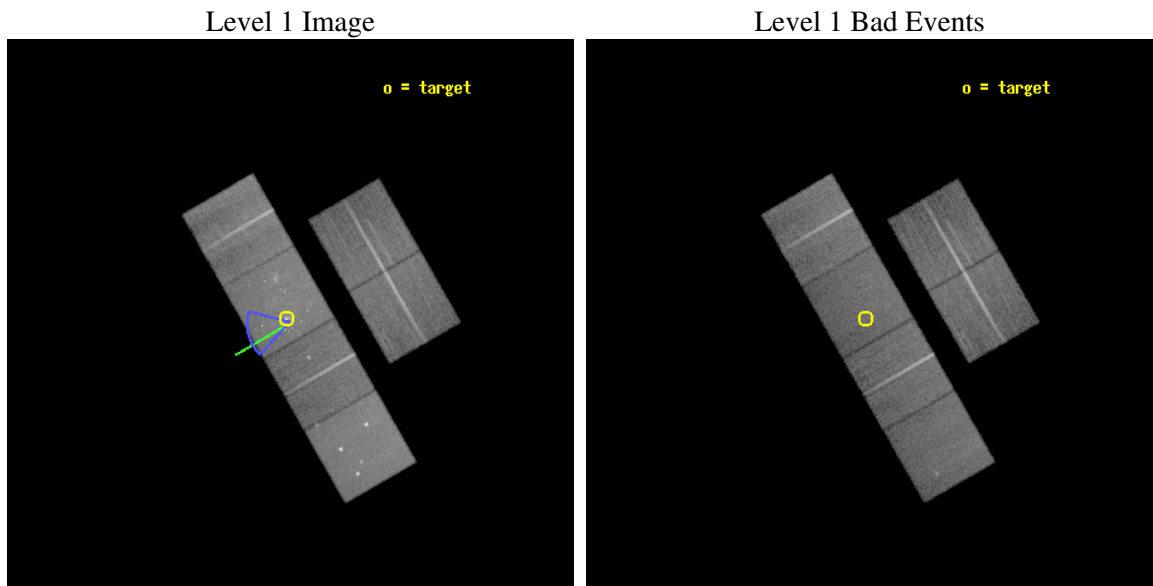
seq_num	700238
obs_id	1622
title	STUDIES OF RADIO JETS AND THE NARROW LINE REGIONS OF ACTIVE GALAXIES
observer	Prof. Andrew Wilson
object	M51
dtcycle	0
cycle	P
ra_targ	202.467917
dec_targ	47.198278
ra_nom	202.45864881304
dec_nom	47.190796116165
roll_nom	240.09376547824
revision	2
ontime	27151.959065035
livetime	26808.144610407
ontime2	27148.718104795
ontime3	27155.20002529
ontime5	27155.20002529
ontime6	27155.20002529
ontime7	27151.959065035
ontime8	27151.959065035
l2events	285422



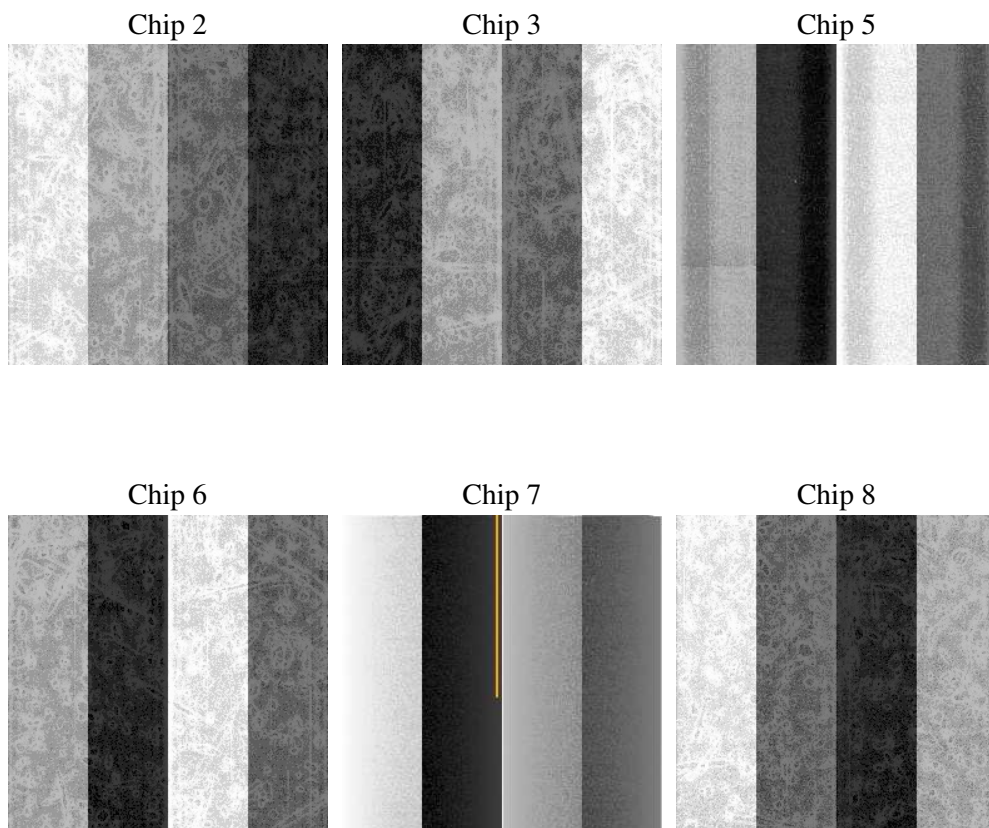
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.4
date	2006-12-08T12:35:24
revision	2

sched_exp_time	27000.000000
ontime	27159.556959599
ontime2	27156.315999359
ontime3	27162.797919855
ontime5	27162.797949791
ontime6	27162.797919855
ontime7	27159.556959599
ontime8	27159.556959599
l1events	1281593

2.1.4 Events

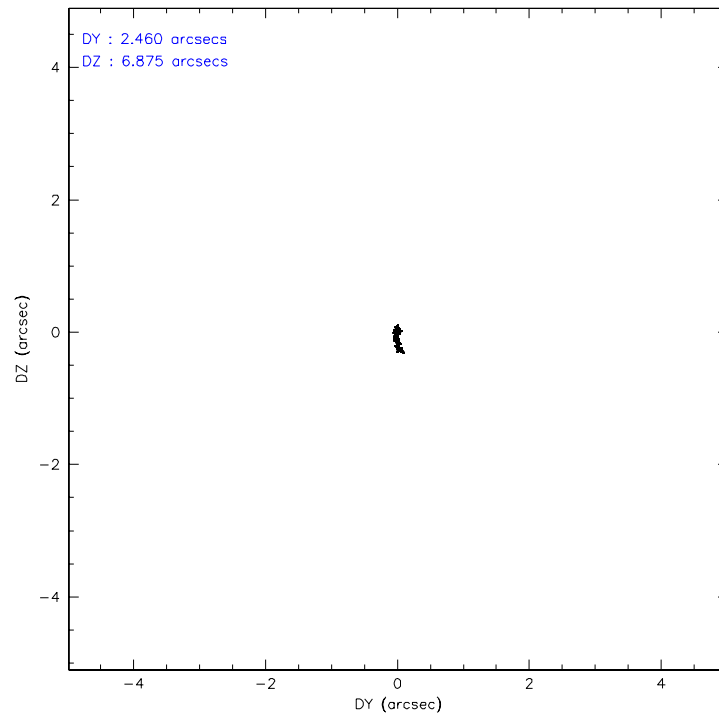
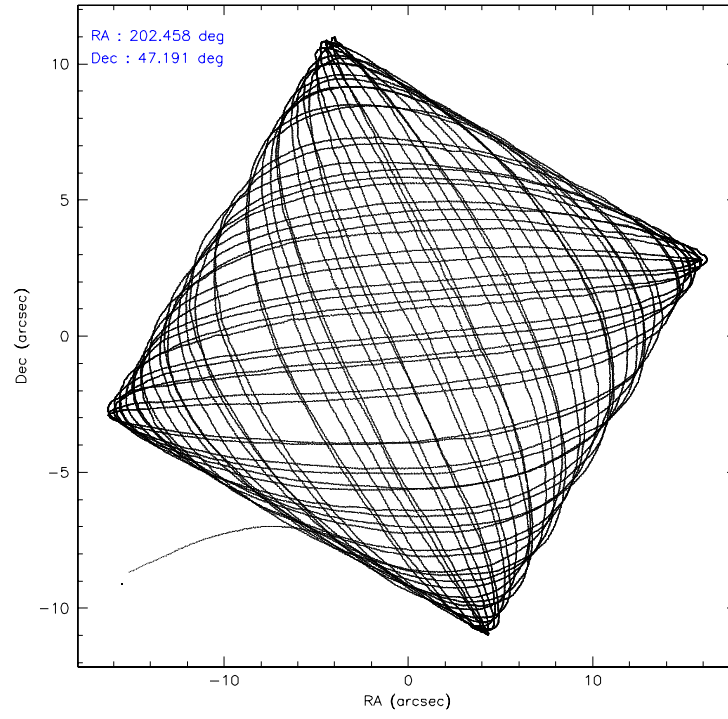
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	186955	177054	257115	182082	252329	226058
rejected events	166539	157149	141180	161004	140957	181162
rejected %	89%	88%	54%	88%	55%	80%

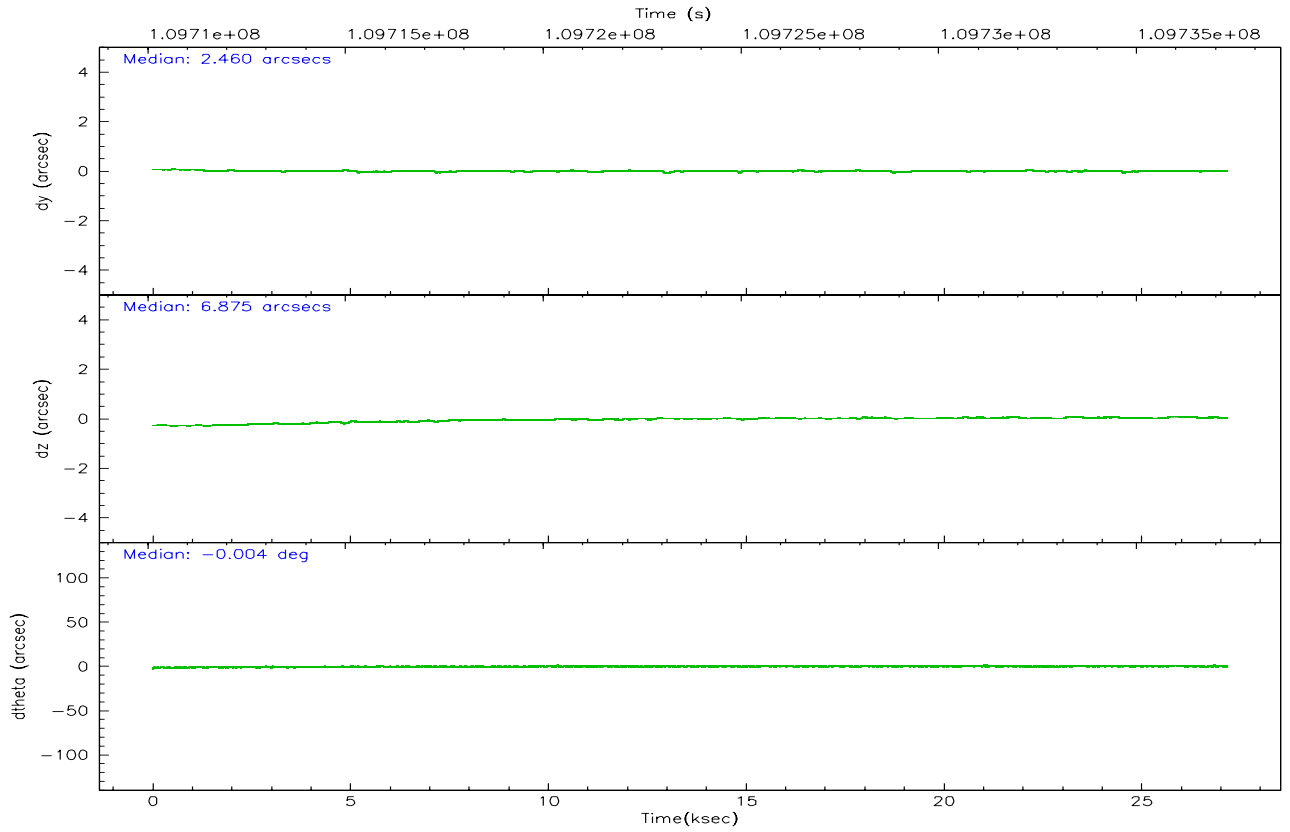
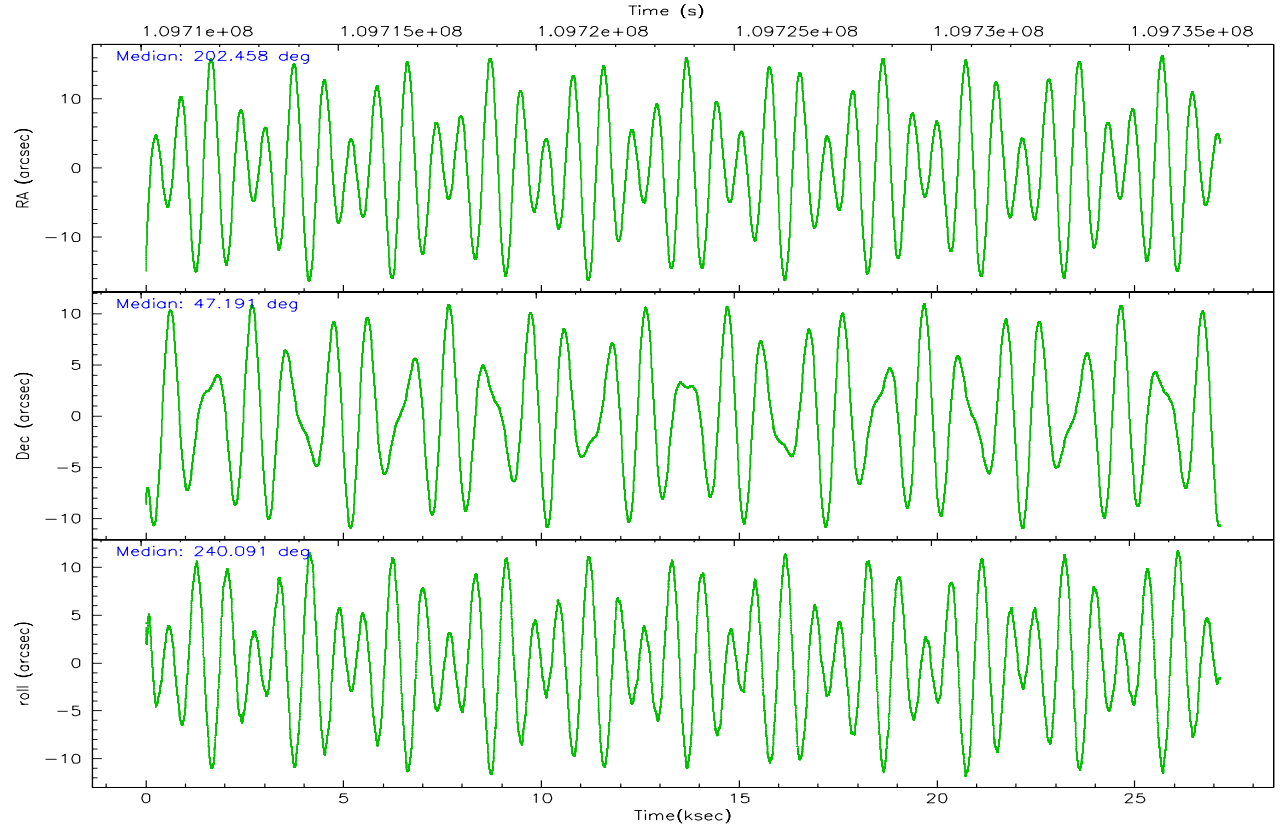
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	8877	8662	14000	8992	14006	14049
	4%	4%	5%	4%	5%	6%
grade 1 events	83	95	237	88	139	144
	0%	0%	0%	0%	0%	0%
grade 2 events	4197	3809	34465	4114	27617	9705
	2%	2%	13%	2%	10%	4%
grade 3 events	1909	1971	2599	1992	7414	4826
	1%	1%	1%	1%	2%	2%
grade 4 events	1922	1972	2449	1990	7140	4421
	1%	1%	0%	1%	2%	1%
grade 5 events	6317	6908	12076	7587	15693	9361
	3%	3%	4%	4%	6%	4%
grade 6 events	3514	3494	62449	3997	55218	11898
	1%	1%	24%	2%	21%	5%
grade 7 events	160136	150143	128840	153322	125102	171654
	85%	84%	50%	84%	49%	75%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	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
Pointing RA	202.458157	202.4586488130388	Subarray requested	NONE	NONE
Pointing Dec	47.218095	47.19079611616488	Alternating exposures requested	N	N
Pointing Roll	239.937504	240.0937654782352	Primary exposure time	0.000000	3.2
Roll angle	253.000000	253.000000			
Roll tolerance	30.000000	30.000000			
Roll constraint allows 180D rotation	N	N			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	109710298.184000	109709233.73233			
Observation start date	2001-06-23T19:03:54	2001-06-23T18:47:13			
Observation end time	109737298.184000	109738039.82095			
Observation end date	2001-06-24T02:33:54	2001-06-24T02:47:19			
Read mode	TIMED	TIMED			

2.3 Aspect



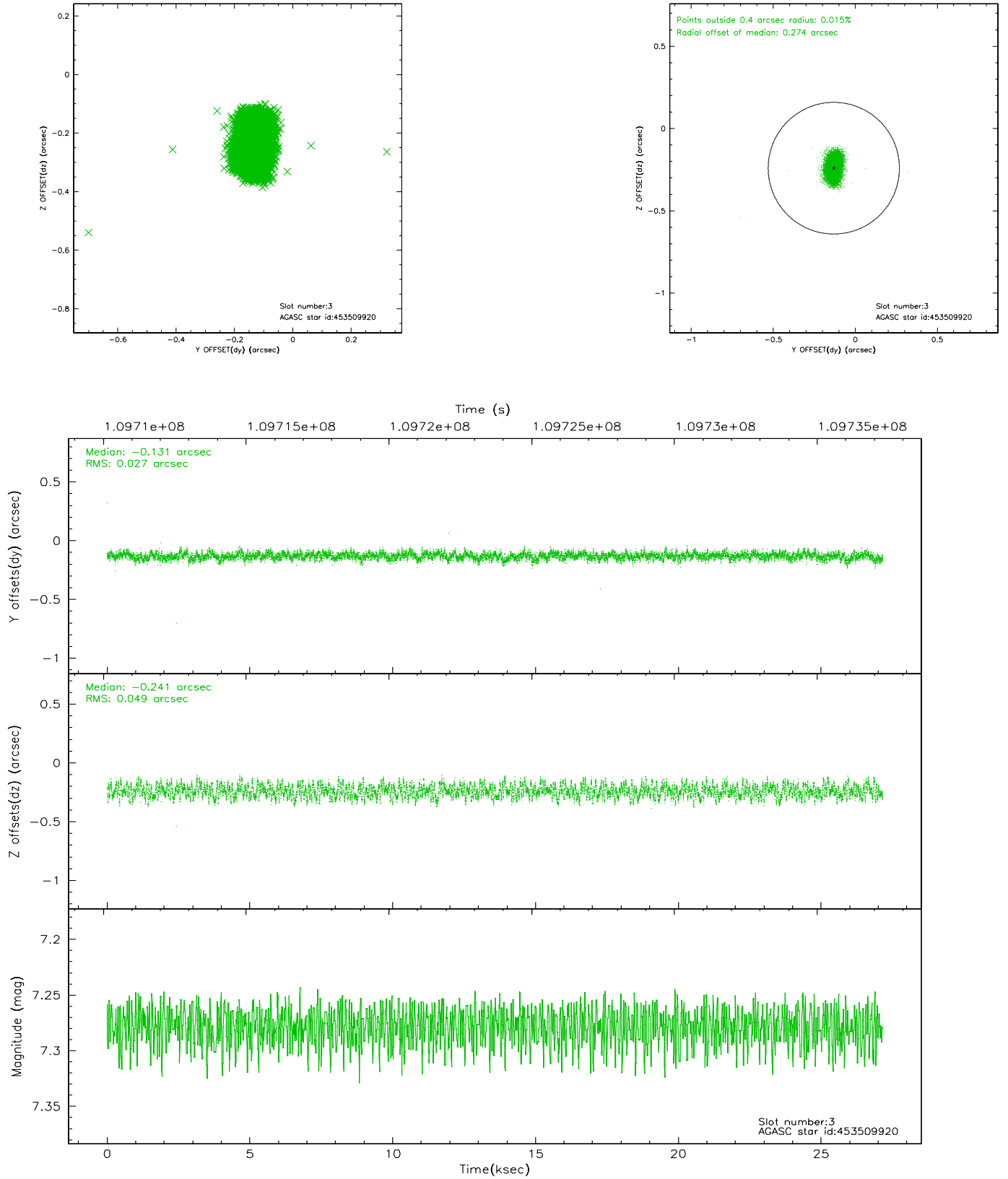


Slot Statistics

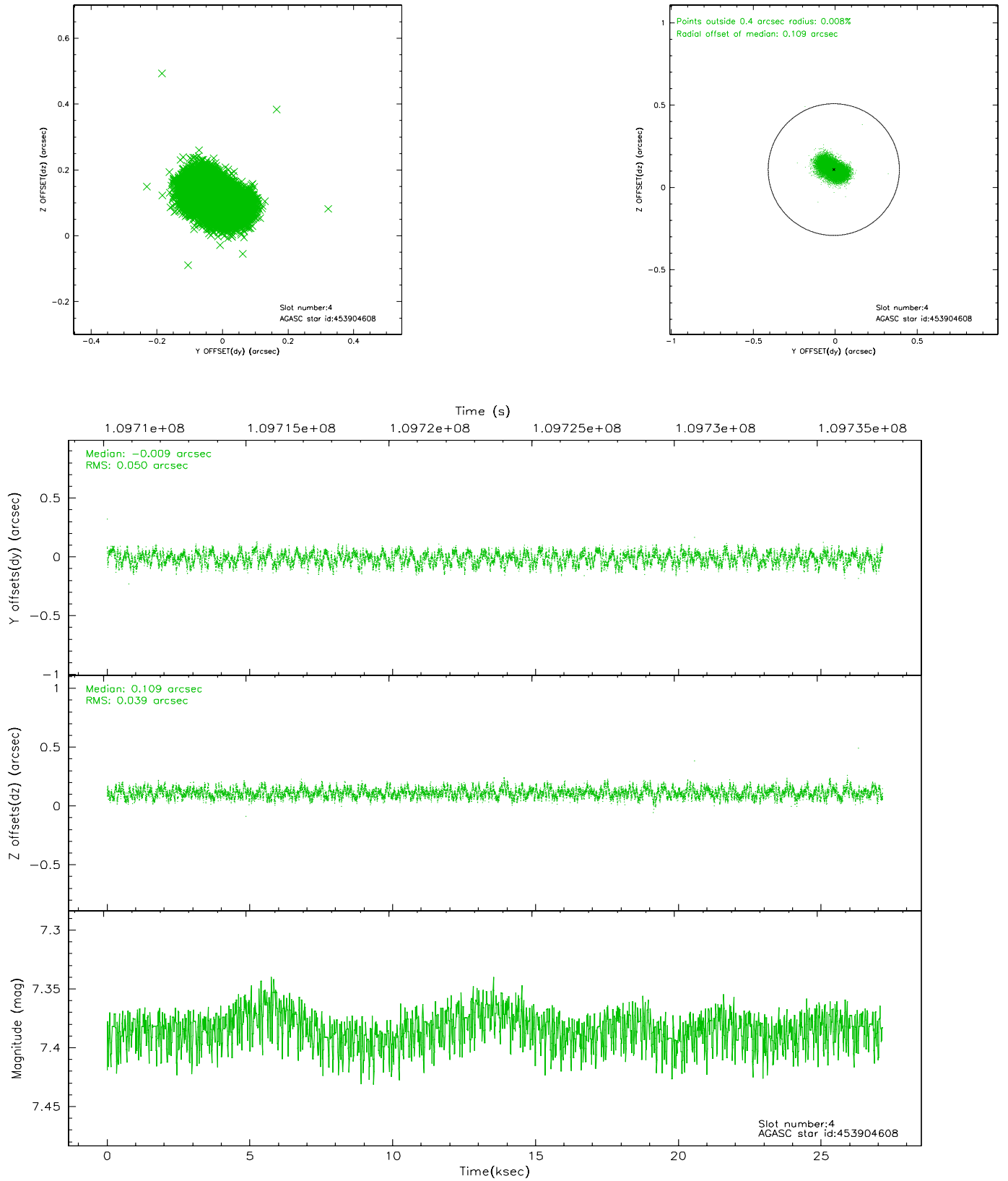
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	6624	-0.006	0.024	0.007	0.011	0.000000	0.000000	-755.08	-1727.98
1	FID	ACIS-S-4	7.19	6623	-0.084	-0.003	0.005	0.009	0.000000	0.000000	2158.06	180.40
2	FID	ACIS-S-5	7.24	6623	0.060	-0.012	0.006	0.011	0.000000	0.000000	-1807.75	174.14
3	GUIDE	453509920	7.28	13247	-0.131	-0.241	0.059	0.097	202.256826	47.847140	-1717.35	-1555.05
4	GUIDE	453904608	7.38	13249	-0.009	0.109	0.069	0.106	202.983748	47.234418	-698.85	1081.32
5	GUIDE	453511800	9.19	13242	0.223	0.017	0.086	0.139	201.825327	46.820165	2015.08	-633.66
6	GUIDE	453511320	9.73	13244	-0.026	-0.018	0.109	0.176	201.652270	47.423457	334.47	-2073.19
7	GUIDE	454303504	9.72	13122	-0.054	0.133	0.090	0.149	202.757470	47.708424	-1892.59	-256.56

2.4 Star Slots

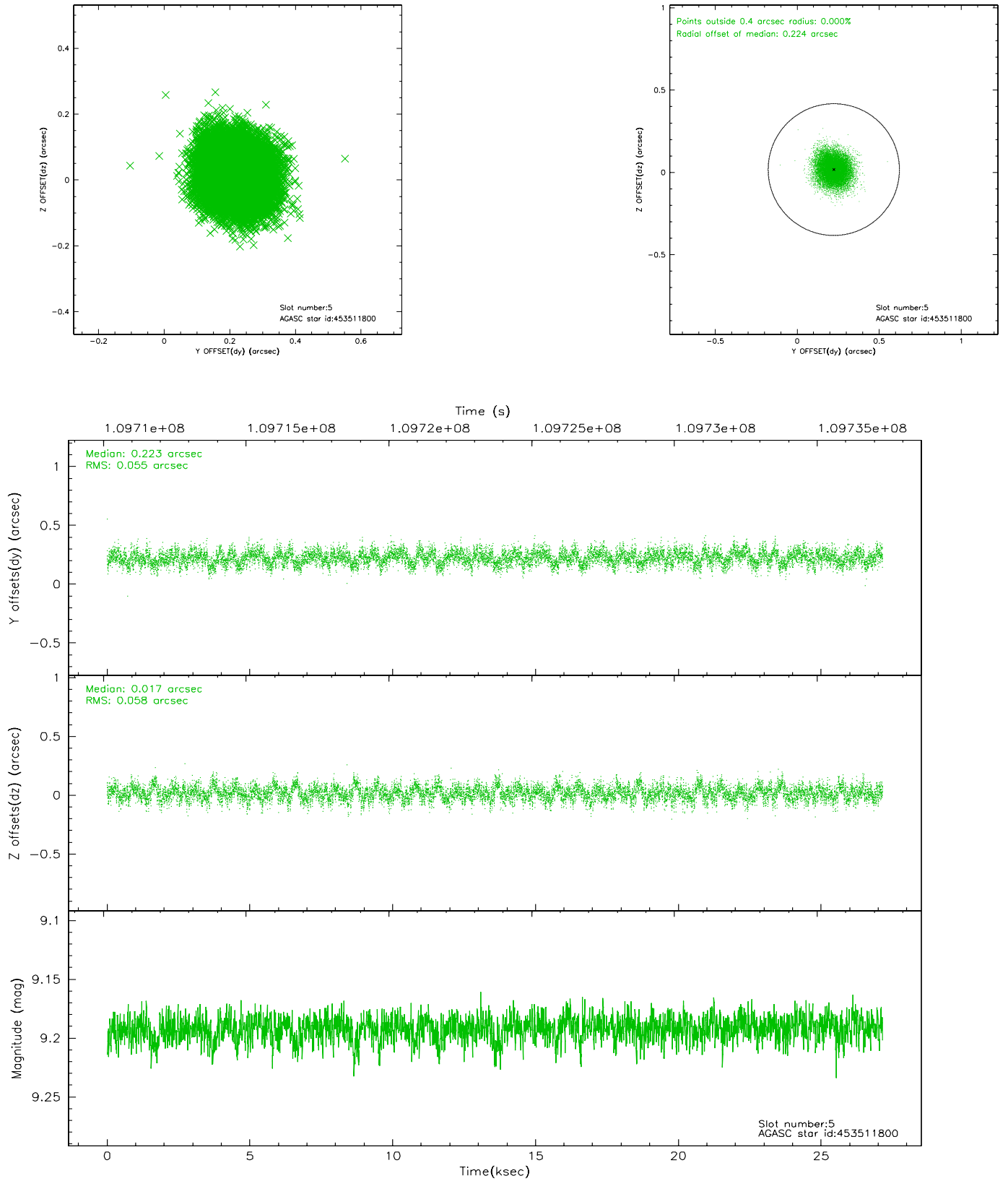
2.4.1 Slot 3



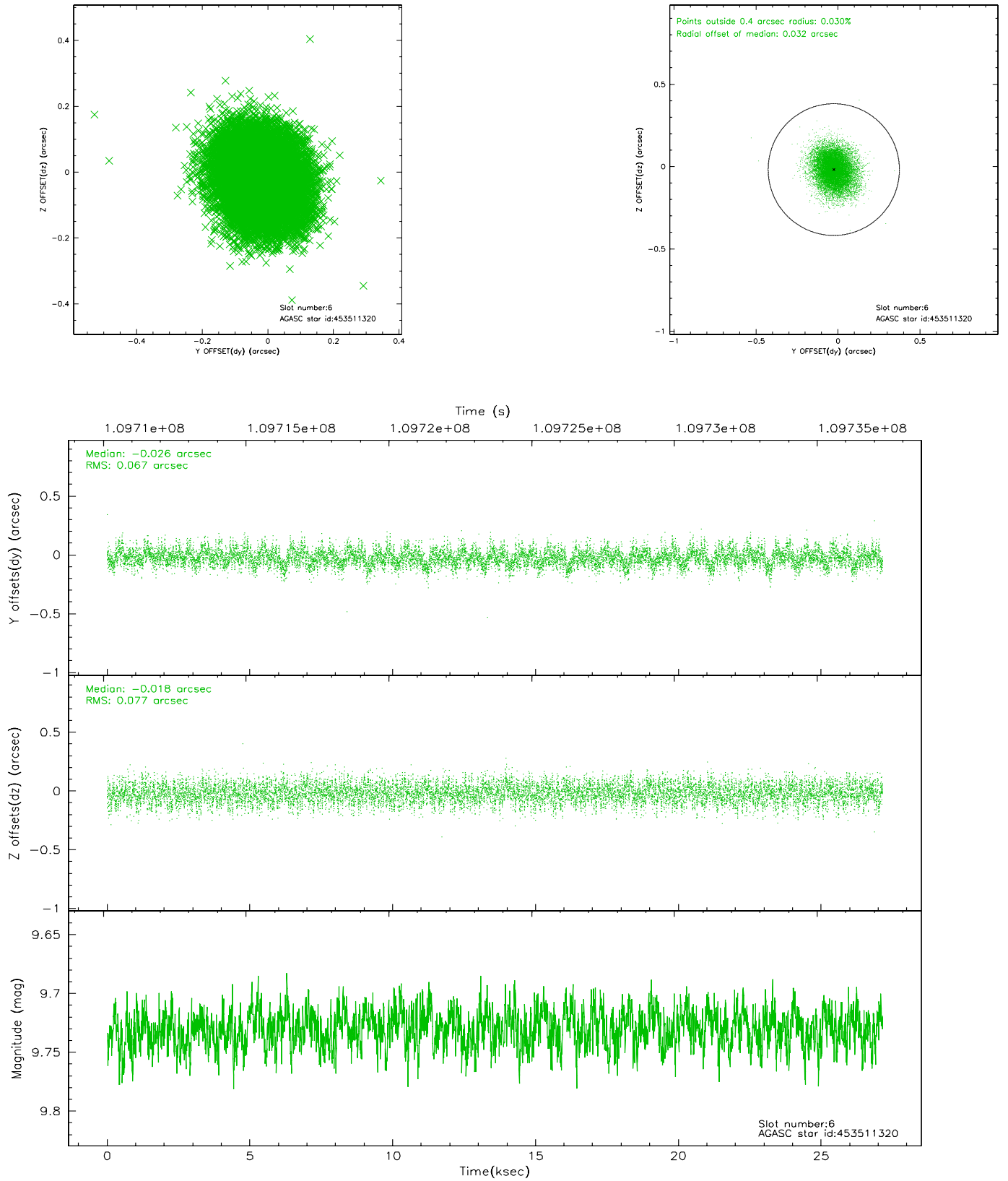
2.4.2 Slot 4



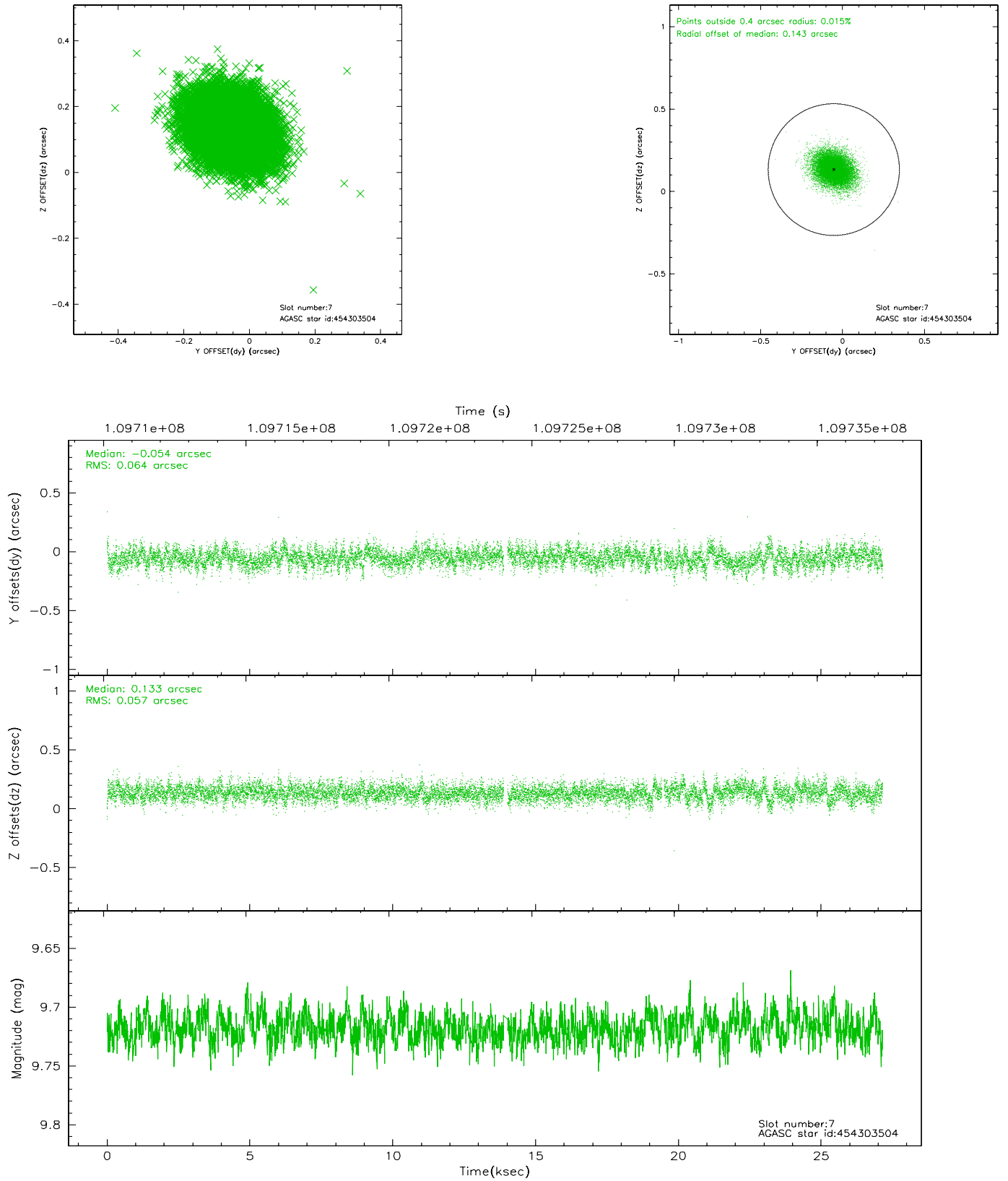
2.4.3 Slot 5



2.4.4 Slot 6

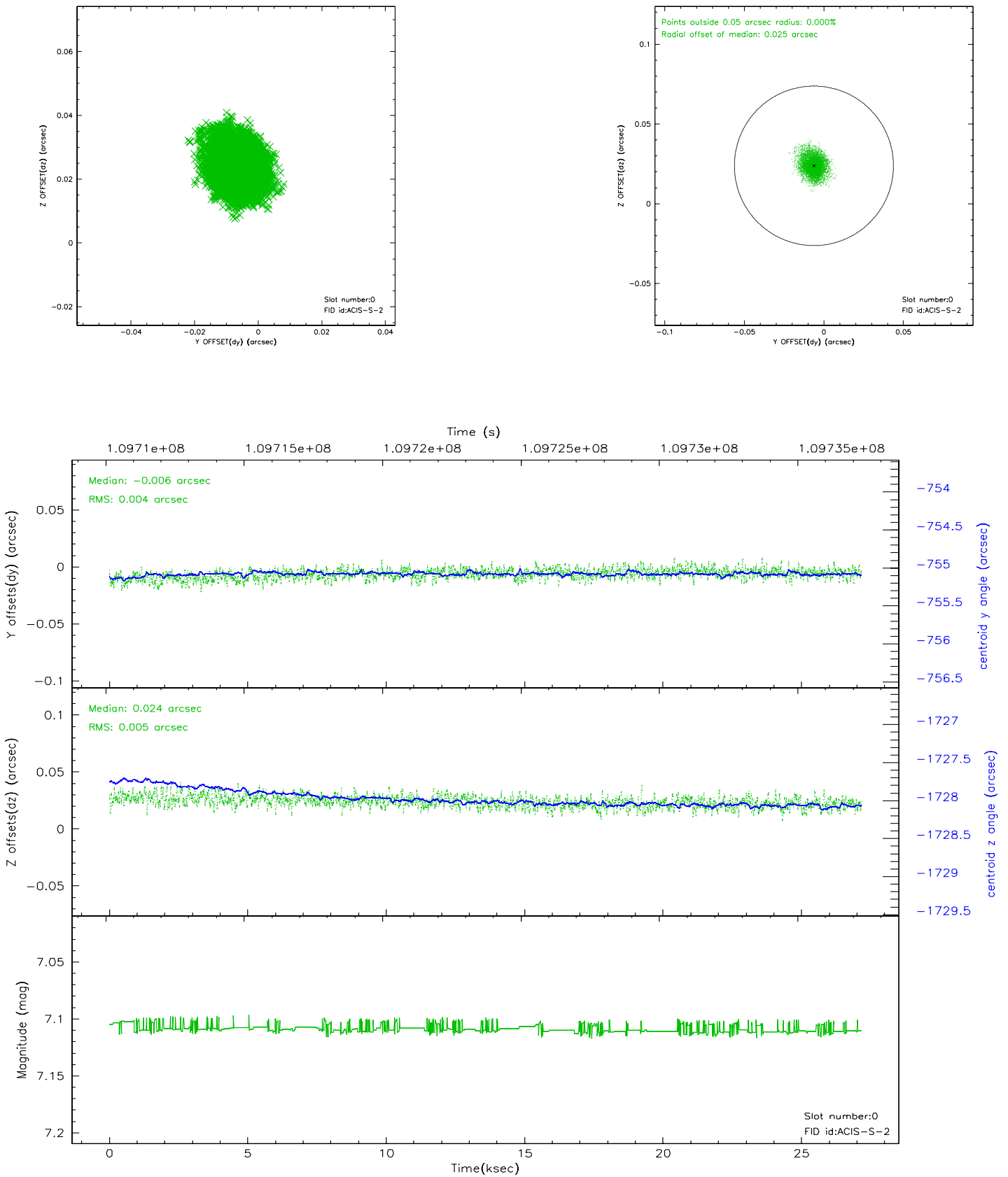


2.4.5 Slot 7

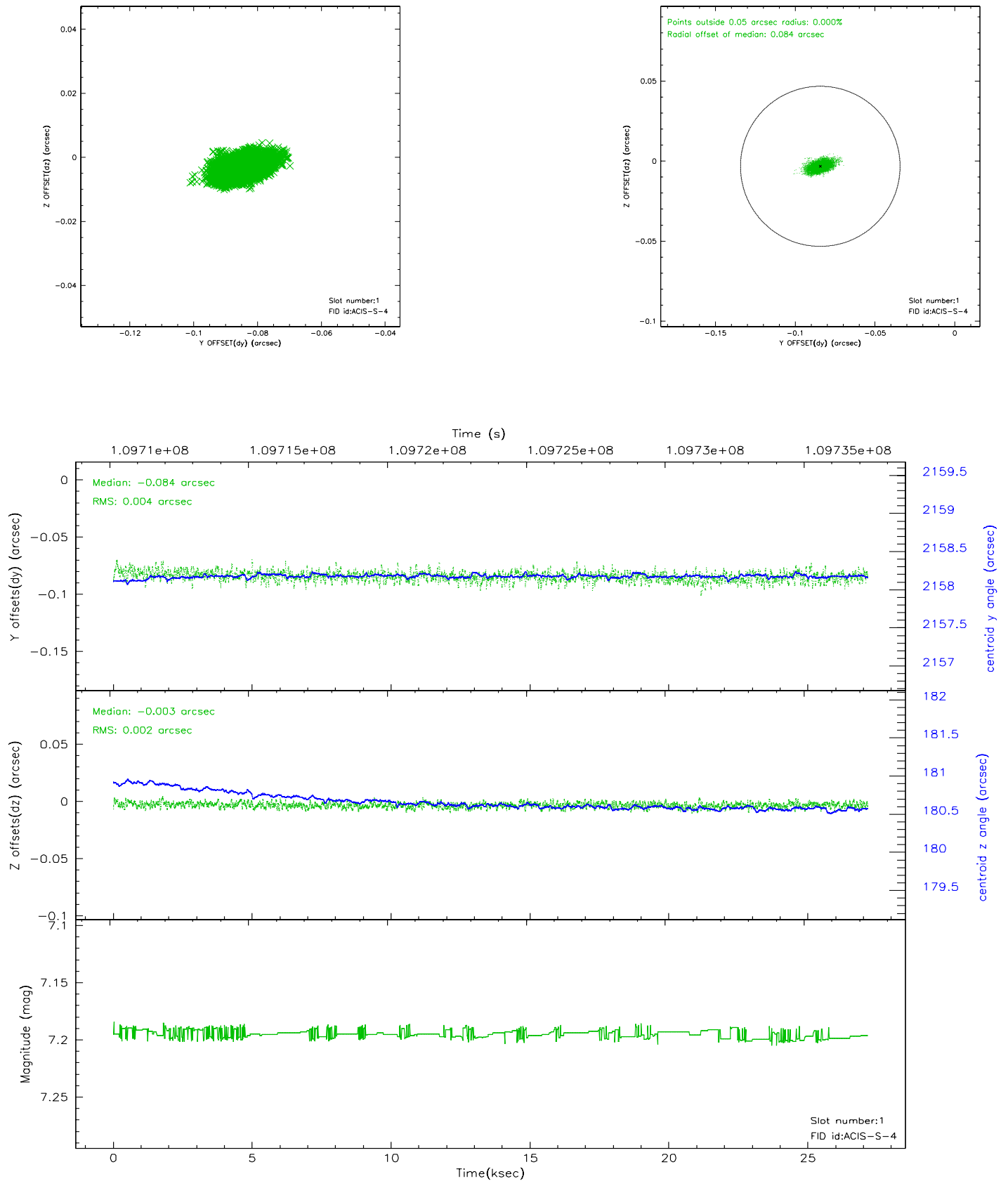


2.5 FID Slots

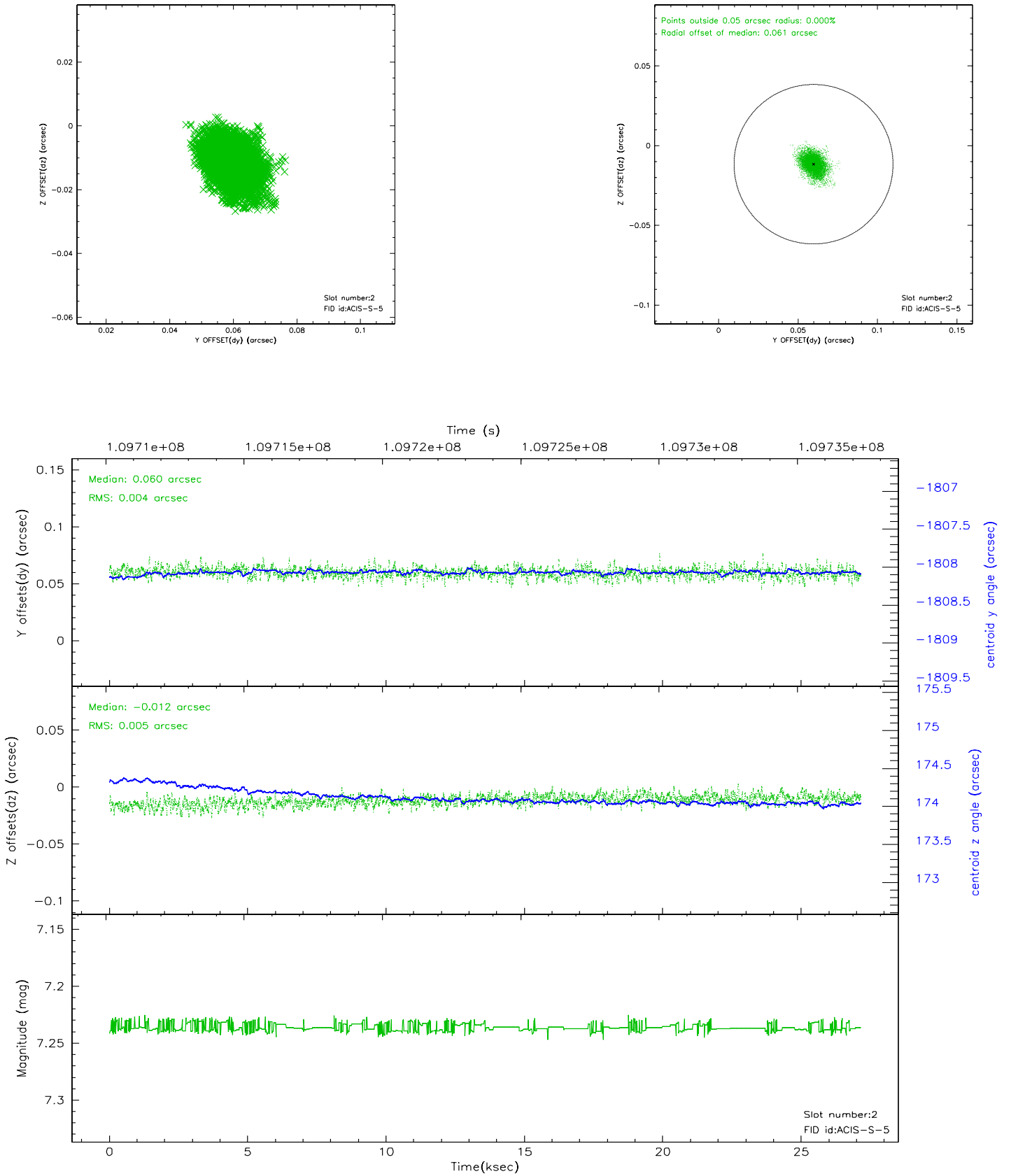
2.5.1 Slot 0



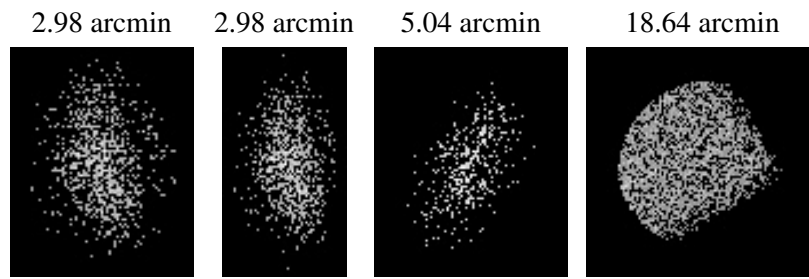
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.12.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.152

A.2 Comments

Roll constraint OK.