

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2000 - L2 Version 001
Chandra X-Ray Center

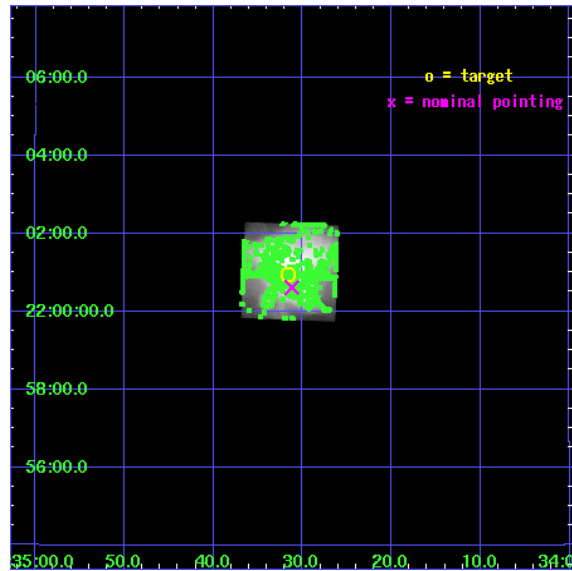
L2 Processing Date : Nov 13 2006

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1 Front

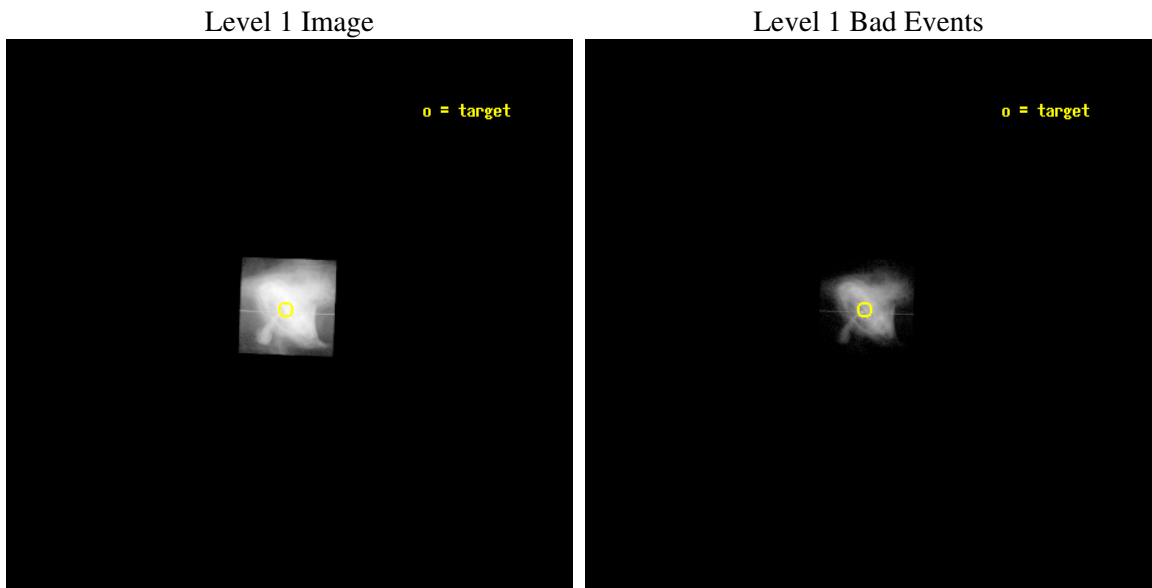
seq_num	500177
obs_id	2000
title	COORDINATED CHANDRA/HST OBSERVATIONS OF THE CRAB NEBULA
observer	PROF. JEFF HESTER
object	CRAB NEBULA
dtcycle	0
cycle	P
ra_targ	83.631667
dec_targ	22.015667
ra_nom	83.630020929237
dec_nom	22.010136921481
roll_nom	272.2075234217
revision	3
ontime	15121.434343472
livetime	2642.9605242549
ontime7	15121.434343472
l2events	9051639



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.9
caldsver	3.2.4
date	2006-11-13T16:32:58
revision	3

sched_exp_time	24902.108000
ontime	16111.37602371
ontime7	16111.37602371
l1events	10223705

2.1.3 Events

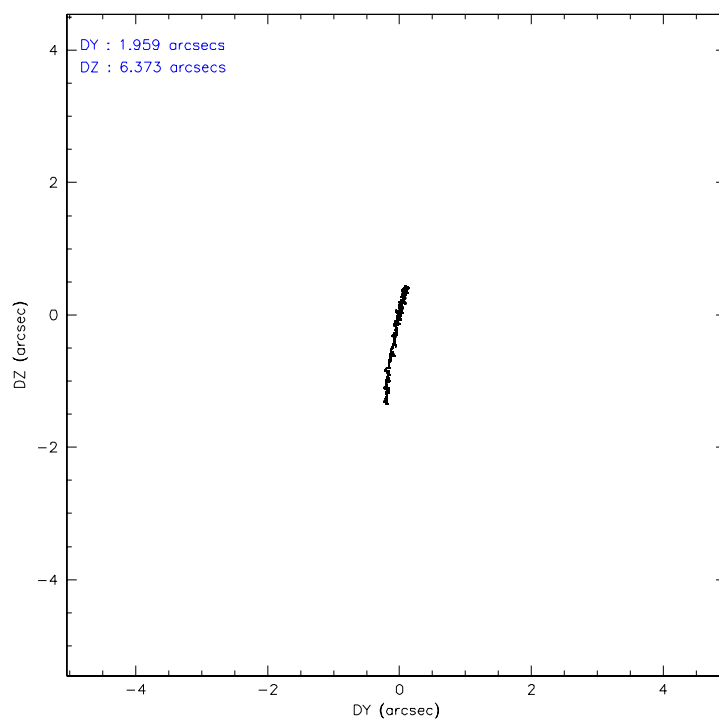
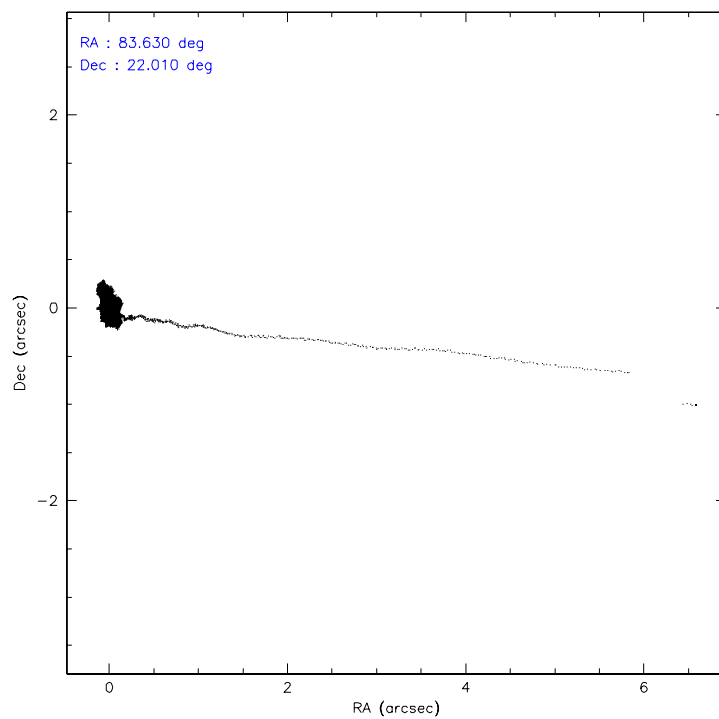
	ccd 7
level 1 events	10223705
rejected events	1081407
rejected %	10%

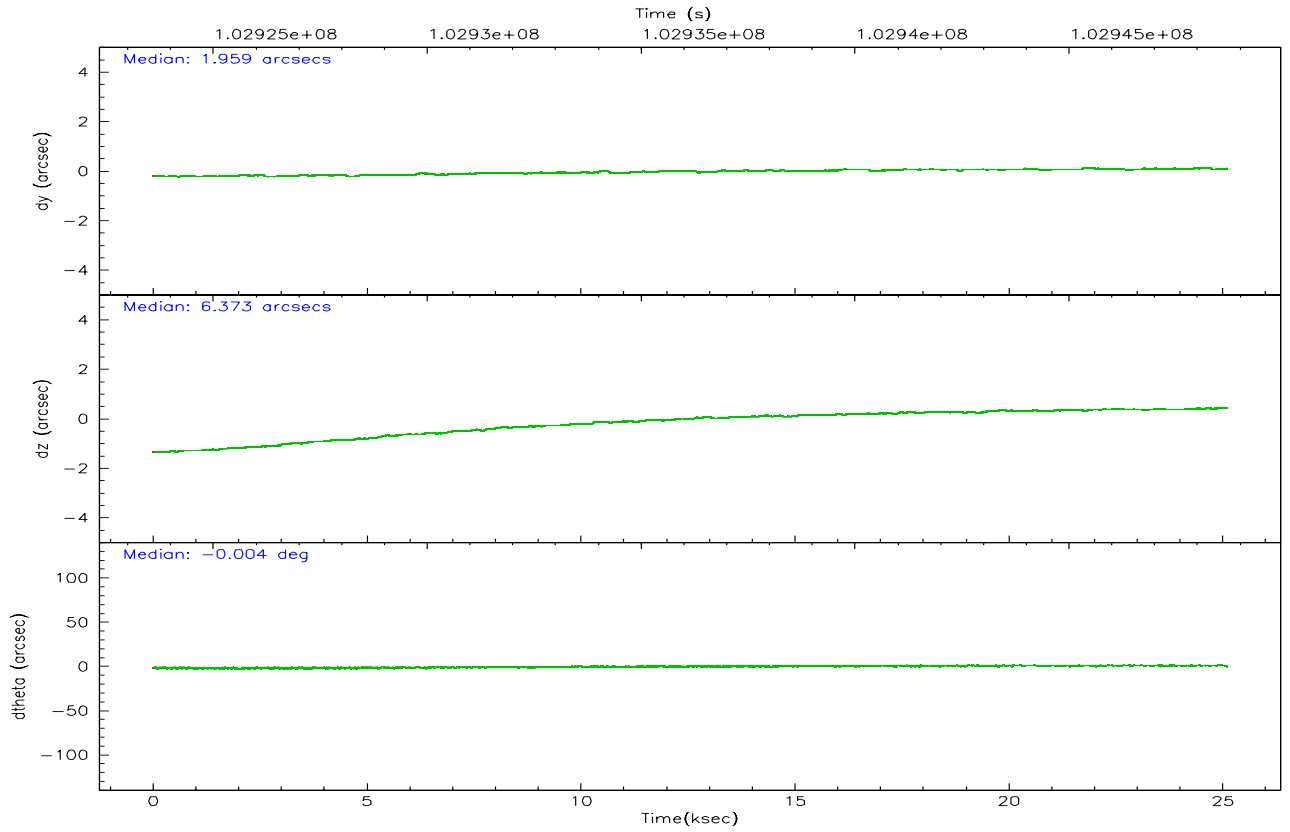
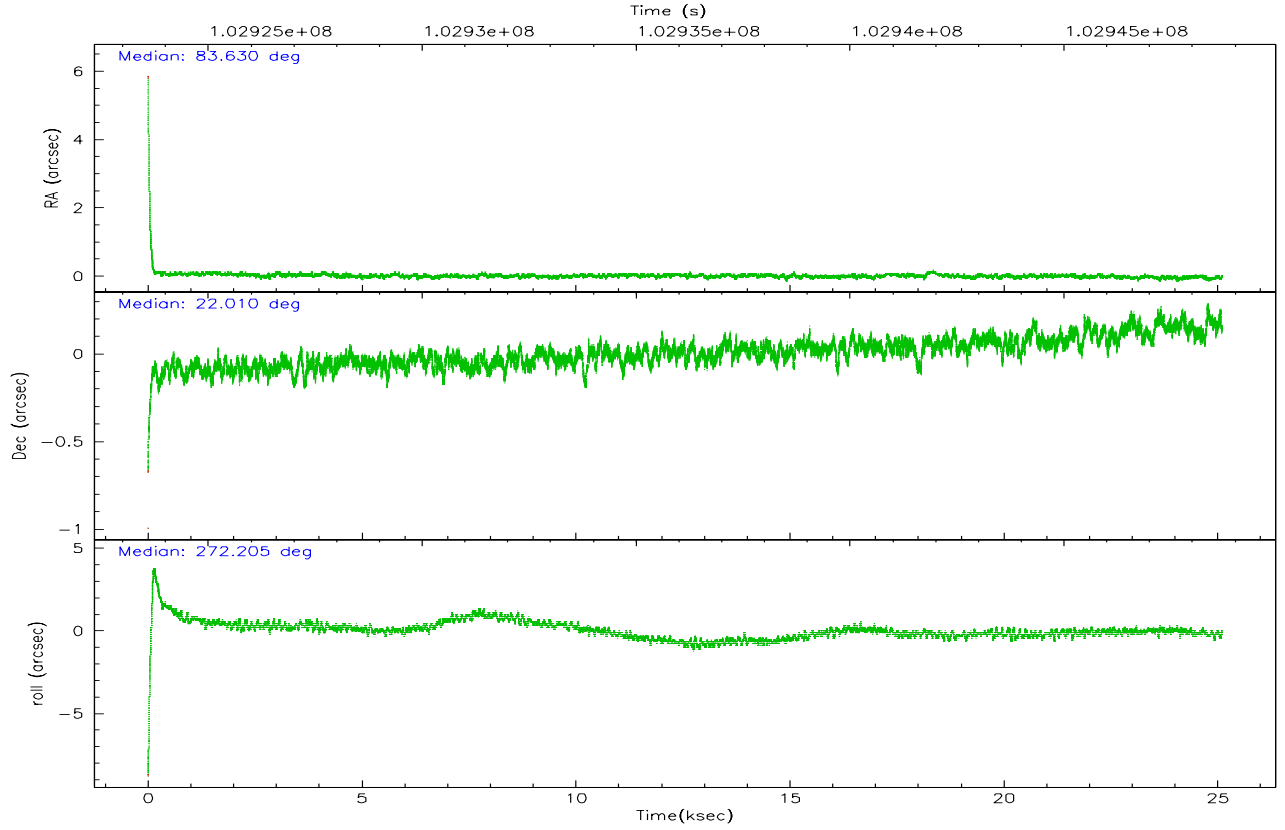
	ccd 7
grade 0 events	2146865
	20%
grade 1 events	140793
	1%
grade 2 events	2439253
	23%
grade 3 events	1082154
	10%
grade 4 events	1048878
	10%
grade 5 events	378862
	3%
grade 6 events	2485952
	24%
grade 7 events	500948
	4%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	GRADED	GRADED	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	83.614082	83.63002092923681	Subarray requested	CUSTOM	CUSTOM
Pointing Dec	22.033102	22.01013692148131	Subarray start row	49	49
Pointing Roll	272.056876	272.2075234217034	Subarray row count	300	300
Window start time	102819664.184000	102819664.184000	Alternating exposures requested	N	N
Window stop time	103078864.184000	103078864.184000	Primary exposure time	0.000000	0.2
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-182.620523	-182.6172346676044			
SIM translation stage offset (mm)	-7.512	-7.515287915403434			
Observation start time	102923790.184000	102922605.96852			
Observation start date	2001-04-06T05:55:26	2001-04-06T05:36:45			
Observation end time	102948692.184000	102949897.61958			
Observation end date	2001-04-06T12:50:28	2001-04-06T13:11:37			
Read mode	TIMED	TIMED			

2.3 Aspect



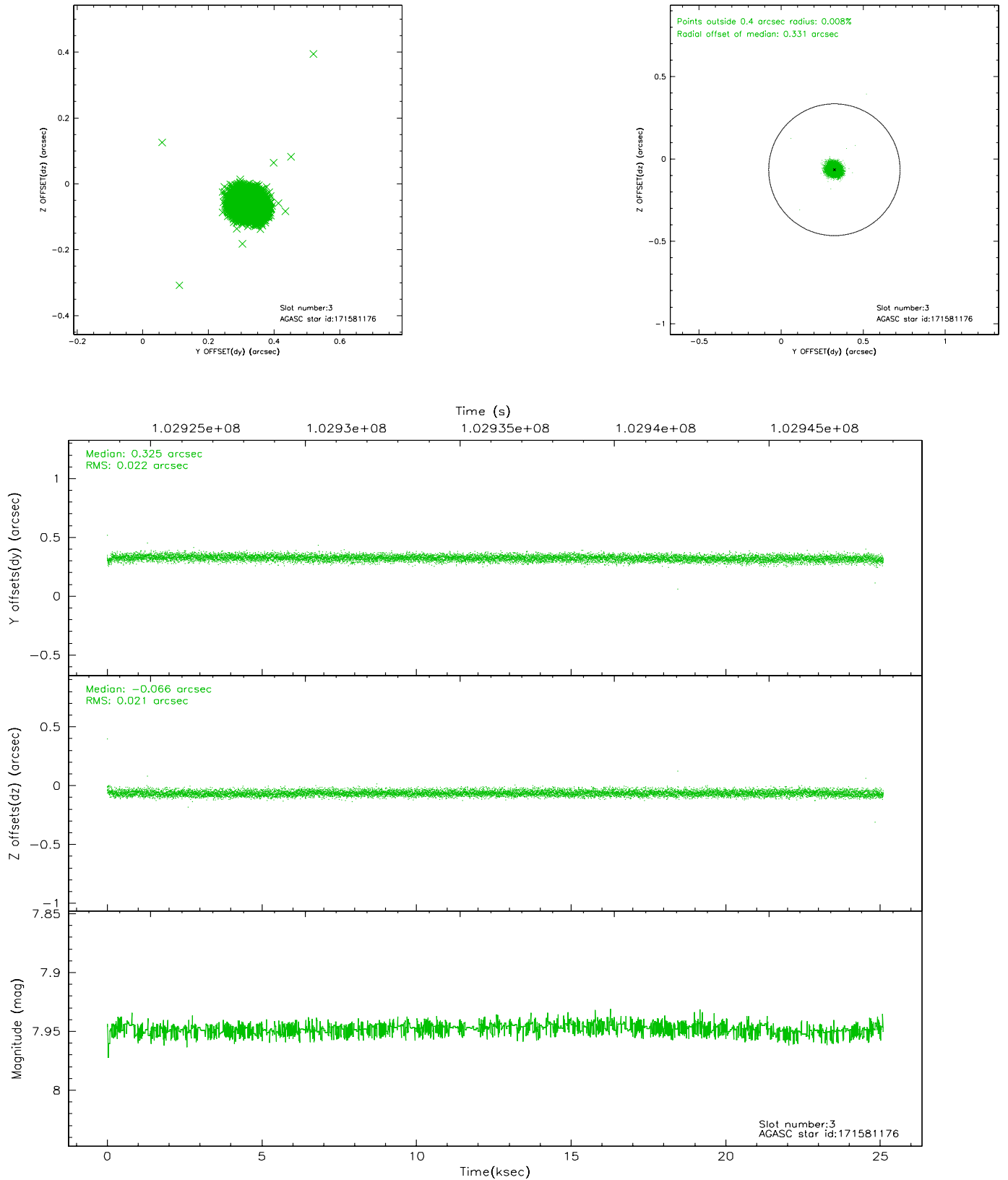


Slot Statistics

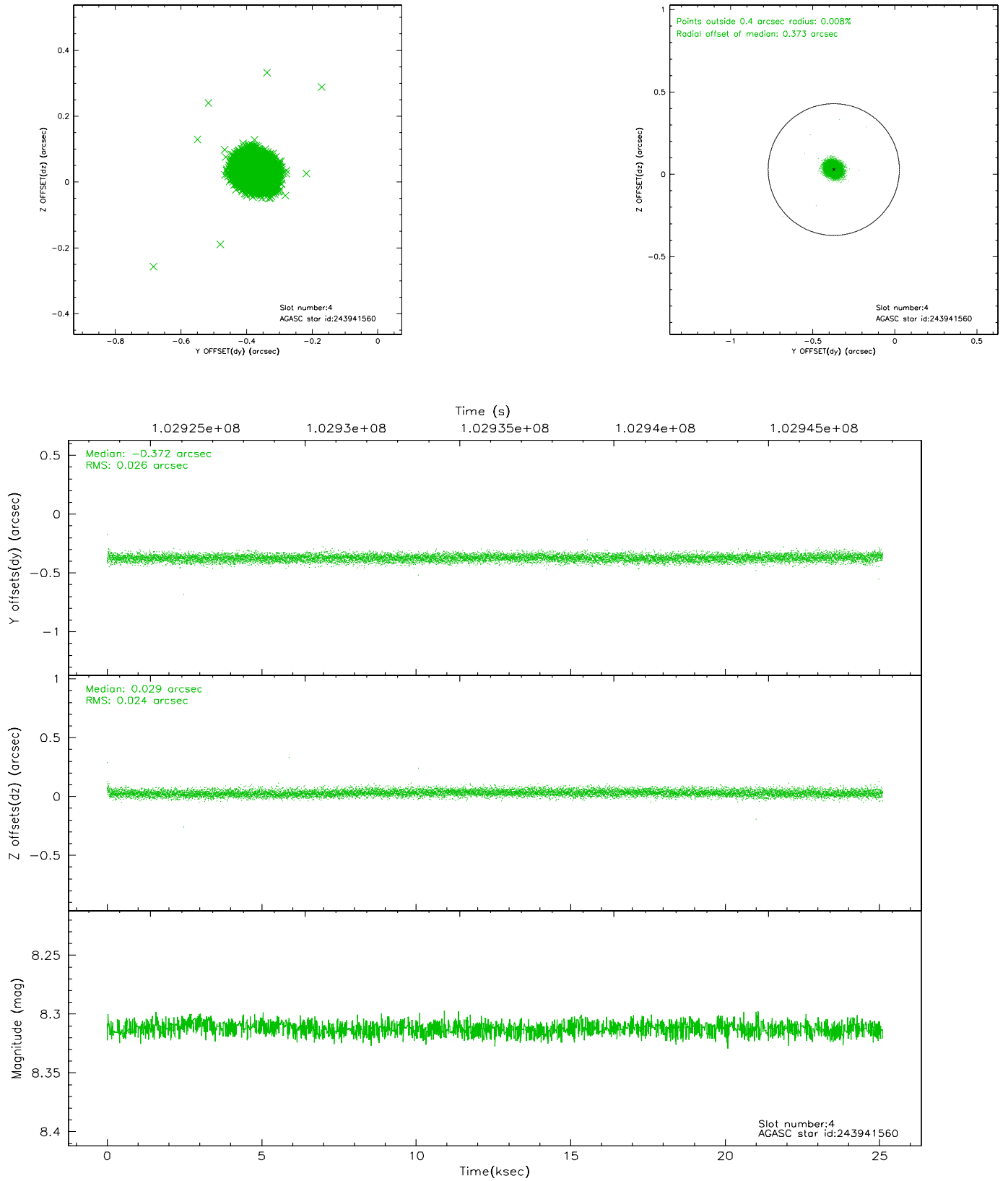
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	6123	-0.043	-0.066	0.021	0.037	0.000000	0.000000	-754.06	-1882.22
1	FID	ACIS-S-4	7.18	6123	-0.032	0.037	0.011	0.021	0.000000	0.000000	2159.19	26.18
2	FID	ACIS-S-5	7.23	6123	0.043	0.036	0.019	0.033	0.000000	0.000000	-1806.65	20.01
3	GUIDE	171581176	7.95	12243	0.325	-0.066	0.032	0.052	83.918863	21.403256	2302.16	939.36
4	GUIDE	243941560	8.31	12243	-0.372	0.029	0.037	0.060	83.733264	22.568598	-1912.46	464.90
5	GUIDE	171585880	8.39	12244	-0.177	-0.052	0.040	0.065	83.676260	22.176319	-507.99	225.36
6	GUIDE	171586976	8.49	12241	-0.057	0.109	0.040	0.064	83.857953	22.438065	-1428.36	863.15
7	GUIDE	171597832	9.21	12240	0.283	-0.023	0.058	0.101	83.183230	21.366702	2344.11	-1529.77

2.4 Star Slots

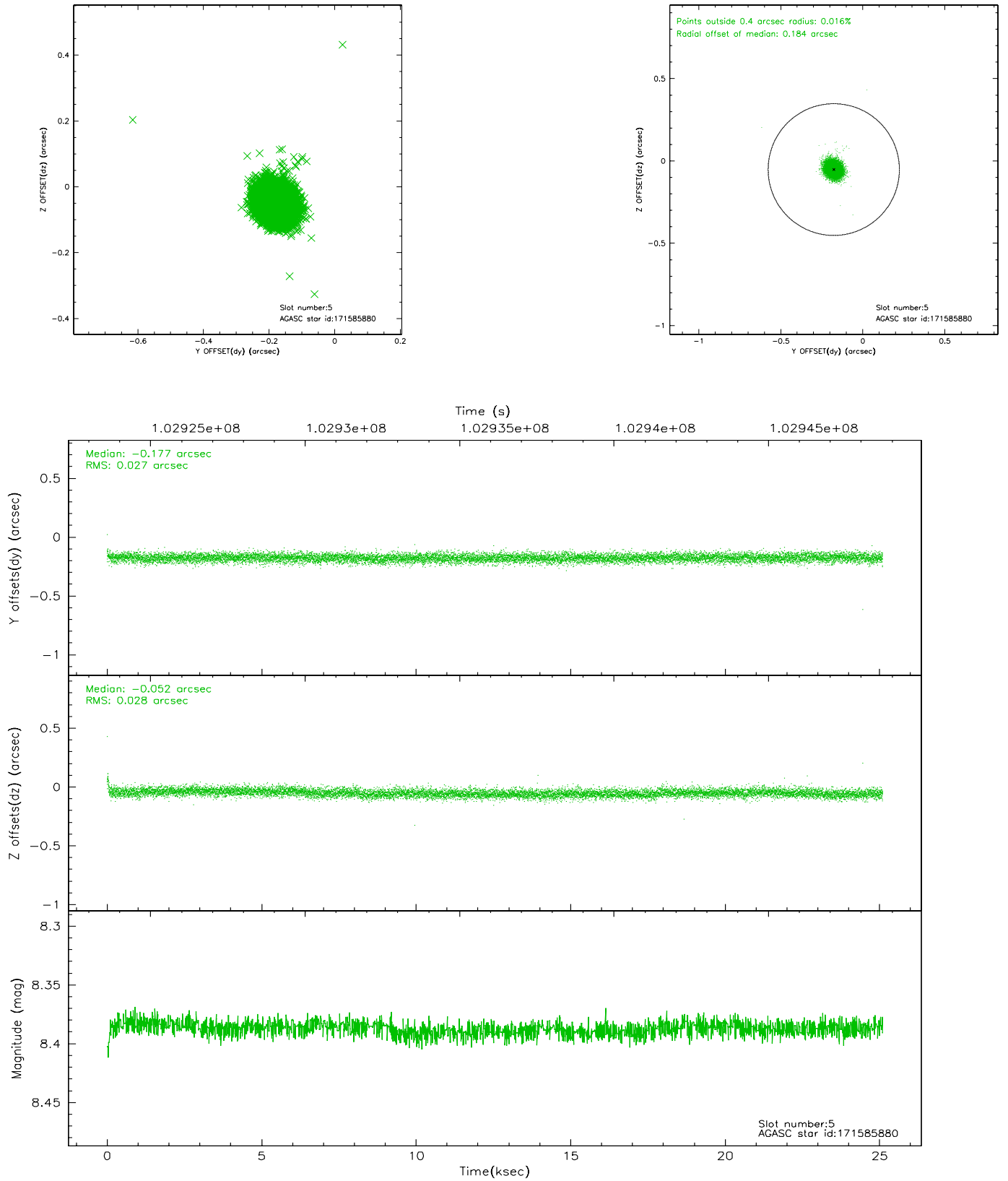
2.4.1 Slot 3



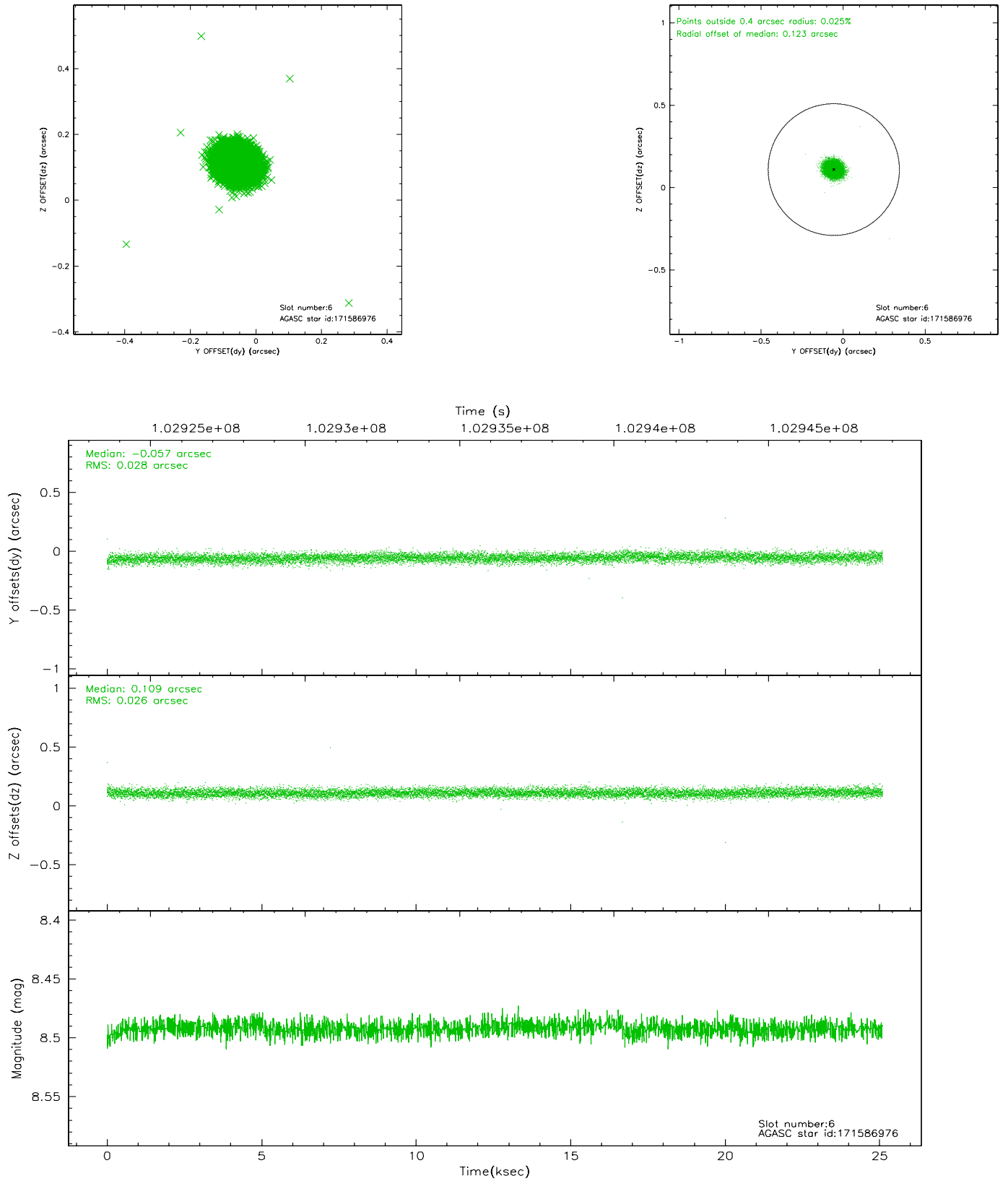
2.4.2 Slot 4



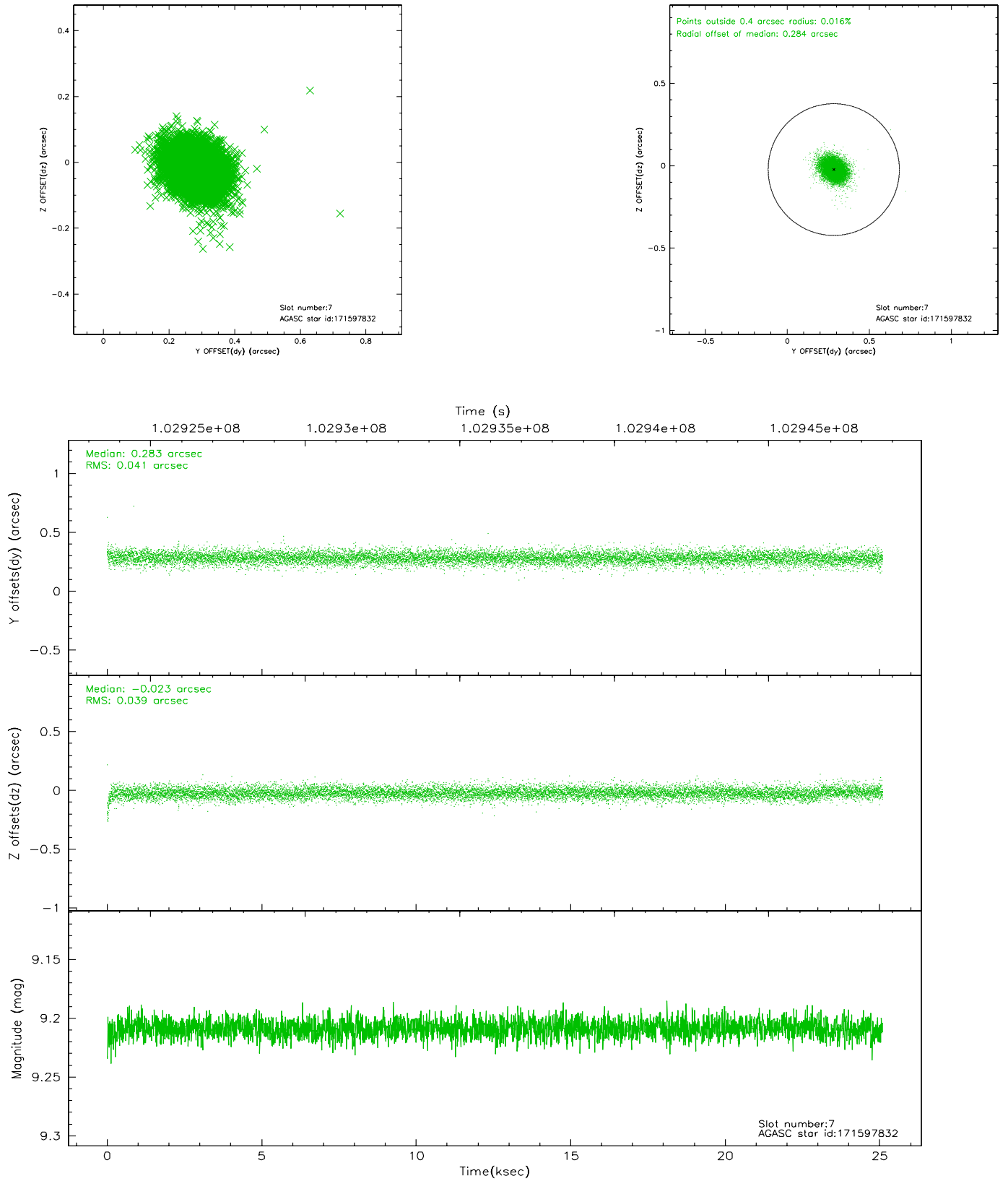
2.4.3 Slot 5



2.4.4 Slot 6

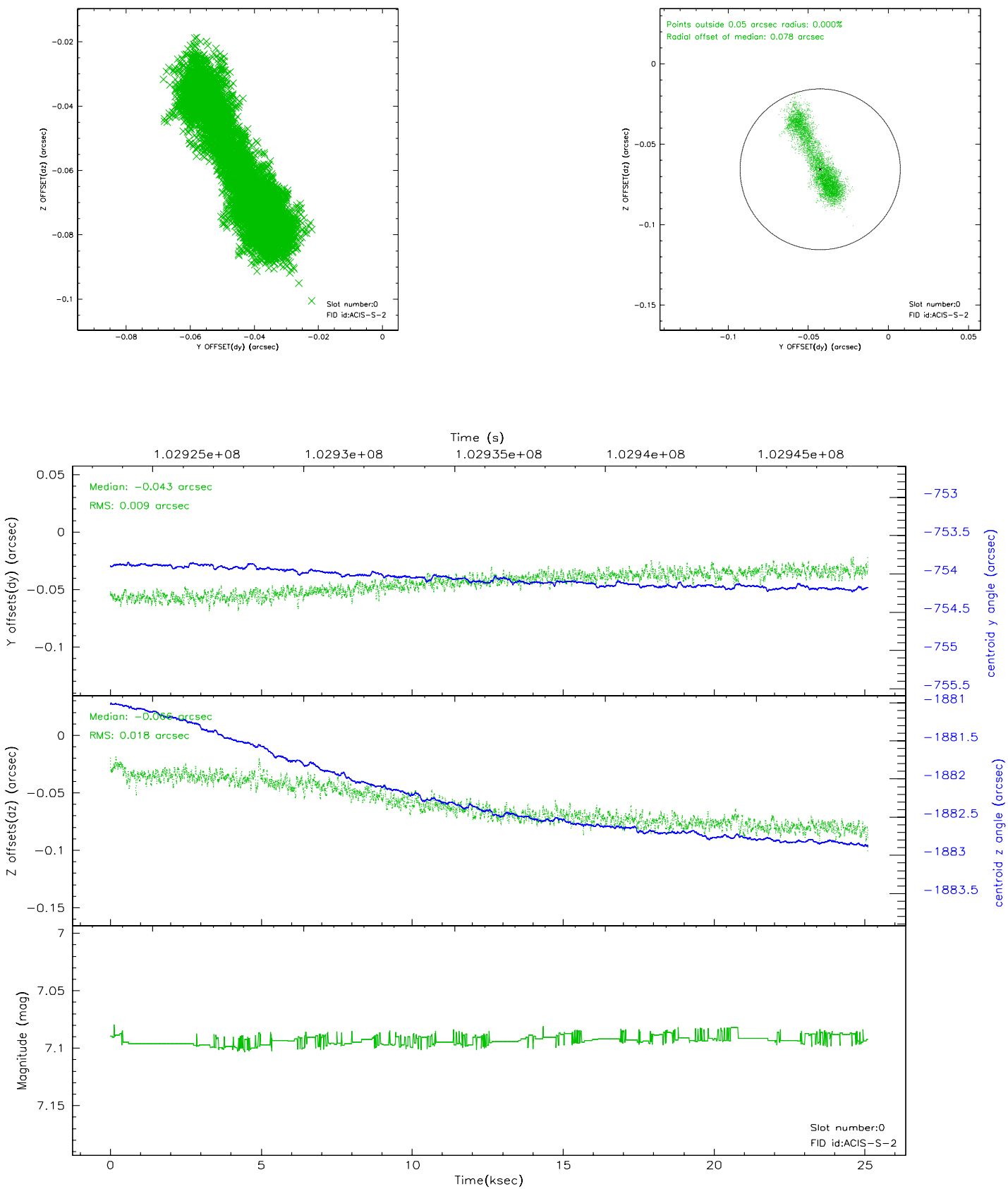


2.4.5 Slot 7

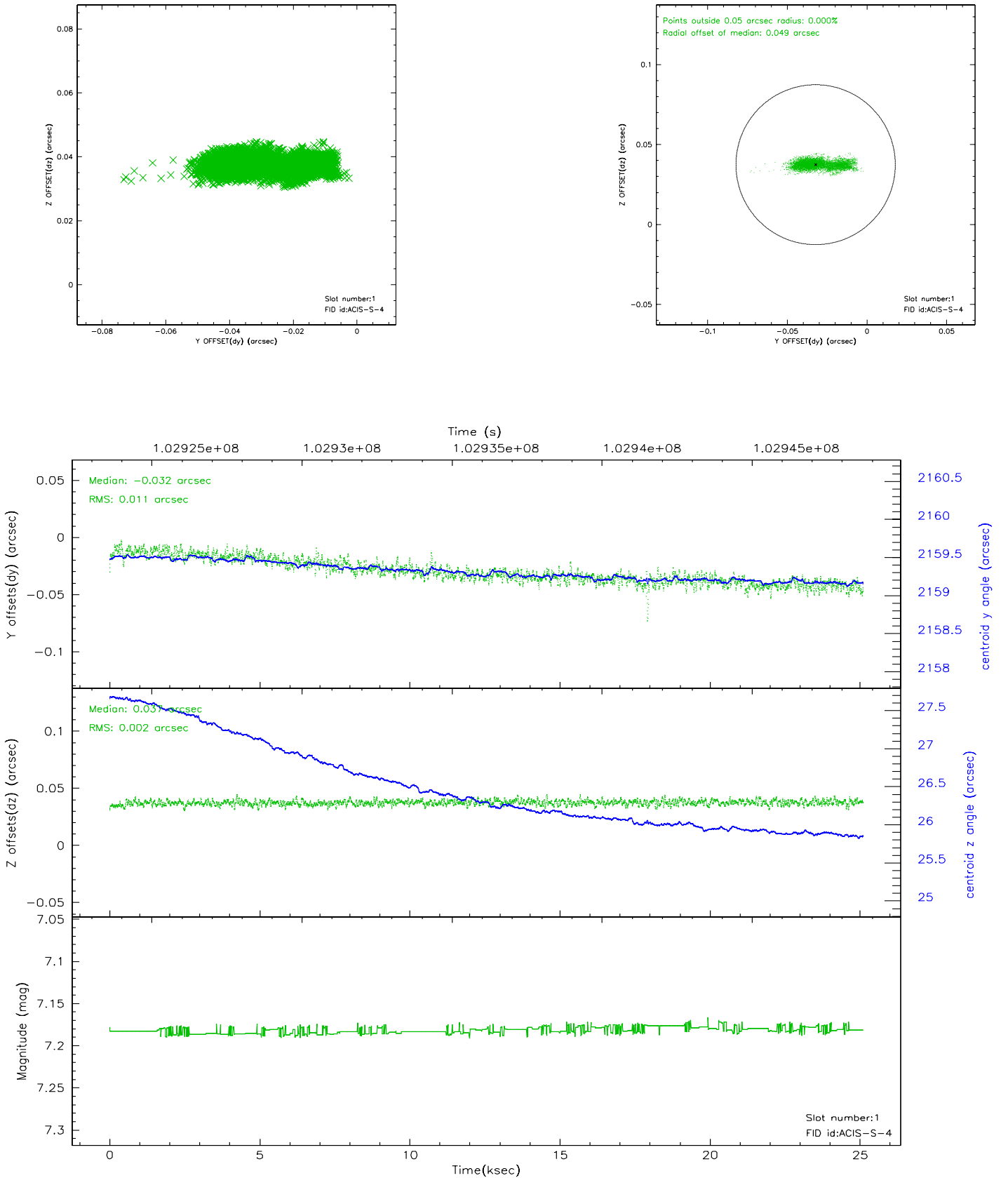


2.5 FID Slots

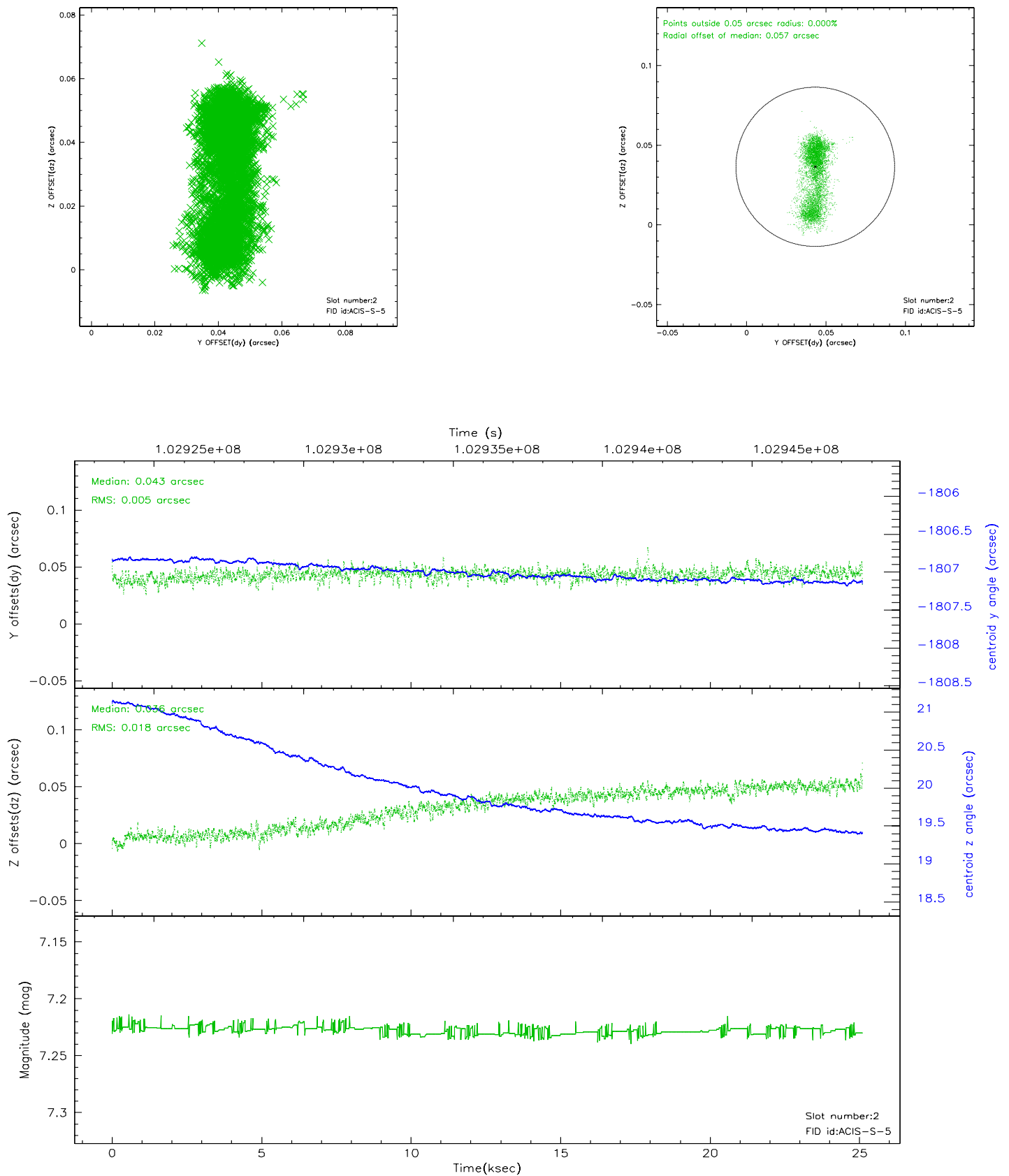
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.353

A.2 Comments

Charge time for this ObsId remains at original value of 23.353 ks, although with the current processing the charge time would have been 15.121434 ksec.

There are many dropped exposures due to telemetry saturation in this observation.

Window constraint met.

Telescope dither was turned off for this observation. Observation coordinated within 1 day of HST observation.