

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 1996 - L2 Version 001
Chandra X-Ray Center

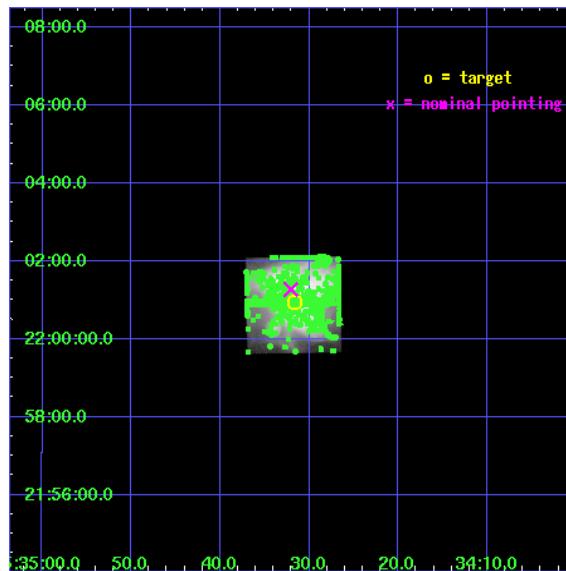
L2 Processing Date : Jun 18 2007

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1 Front

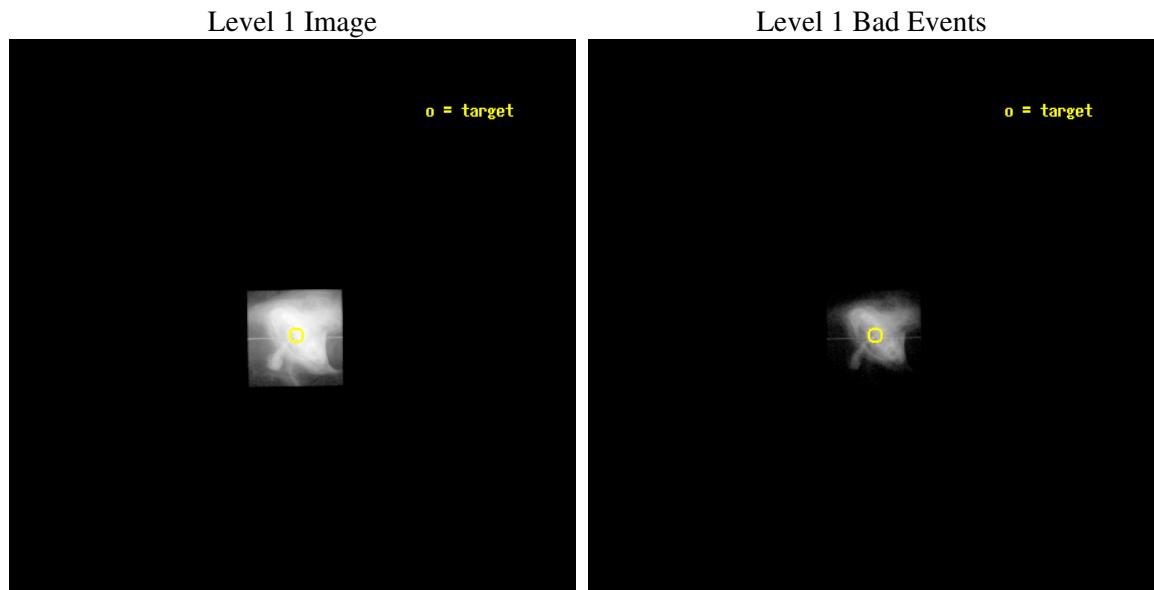
seq_num	500173
obs_id	1996
title	COORDINATED CHANDRA/HST OBSERVATIONS OF THE CRAB NEBULA
observer	PROF. JEFF HESTER
object	CRAB NEBULA
dtycycle	0
cycle	P
ra_targ	83.631667
dec_targ	22.015667
ra_nom	83.63366823404
dec_nom	22.021168911792
roll_nom	89.052029717926
revision	3
ontime	17429.376023218
livetime	3048.4793827995
ontime7	17429.376023218
l2events	10358887



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.10
caldbver	3.4.0
date	2007-06-18T07:08:02
revision	3

sched_exp_time	28515.953000
ontime	17429.376023218
ontime7	17429.376023218
l1events	11716865

2.1.3 Events

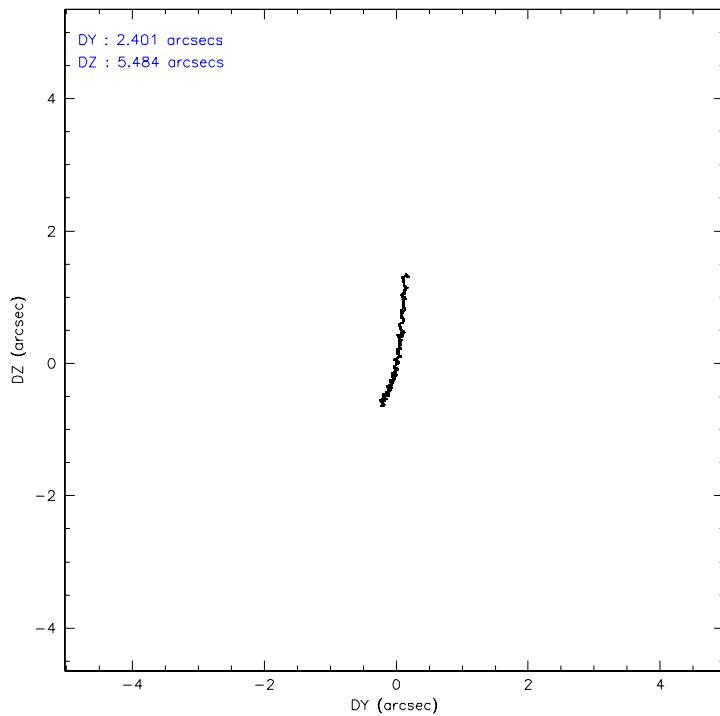
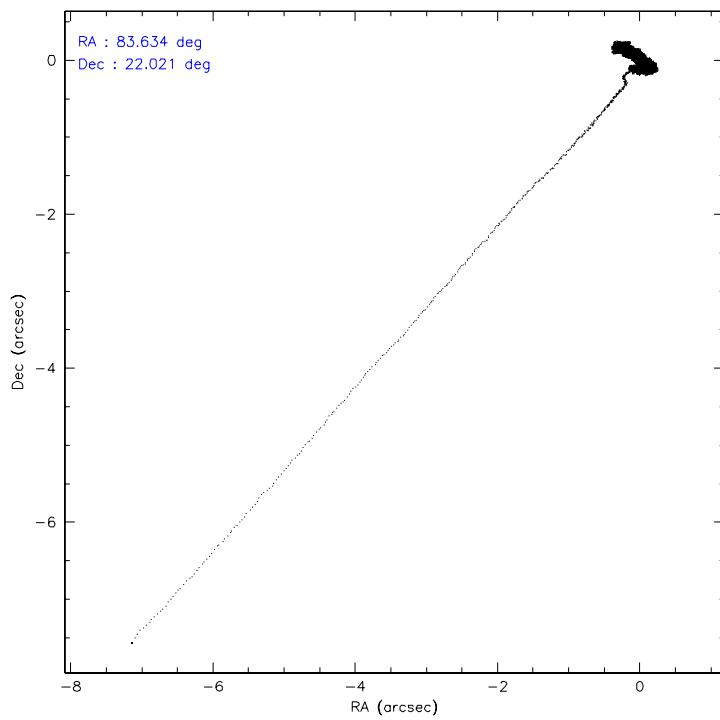
ccd 7	
level 1 events	11716865
rejected events	1256407
rejected %	10%

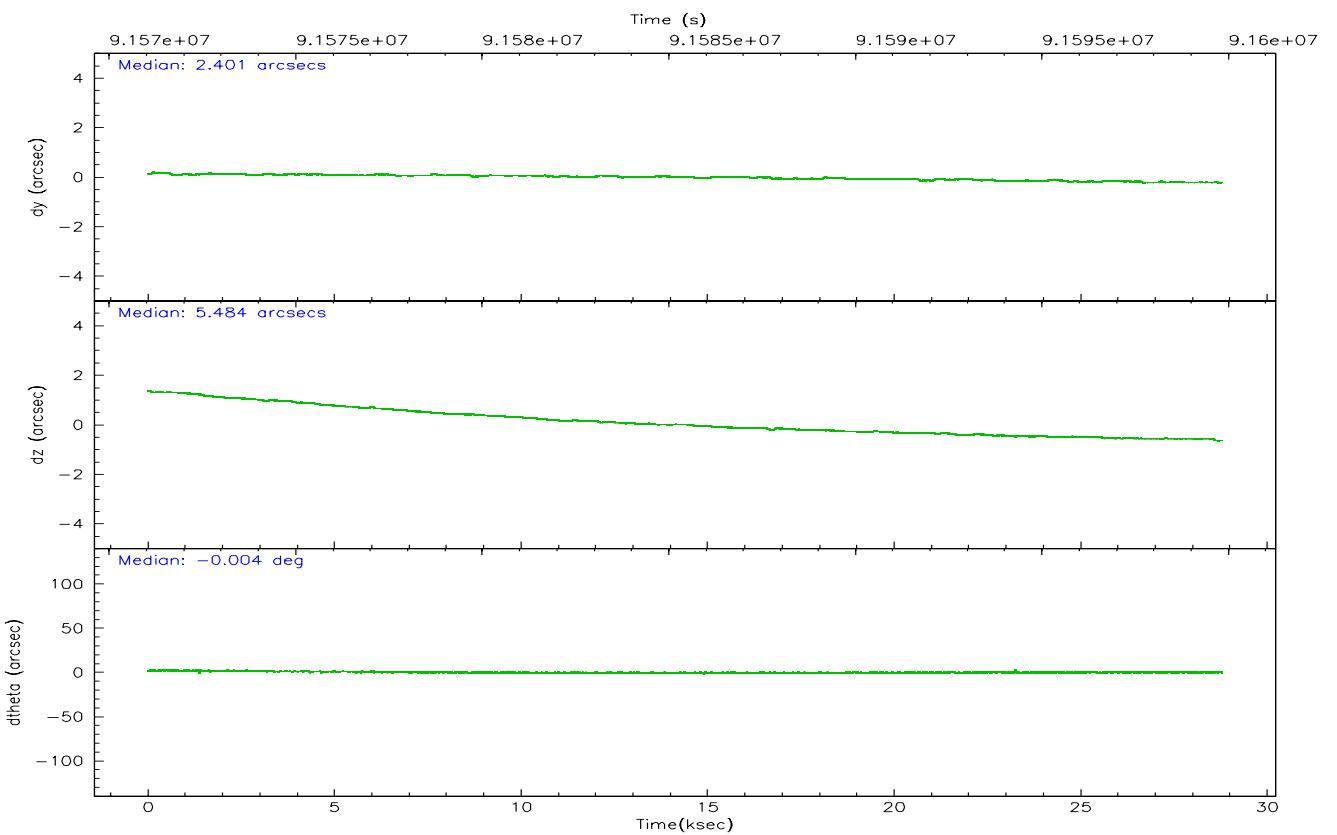
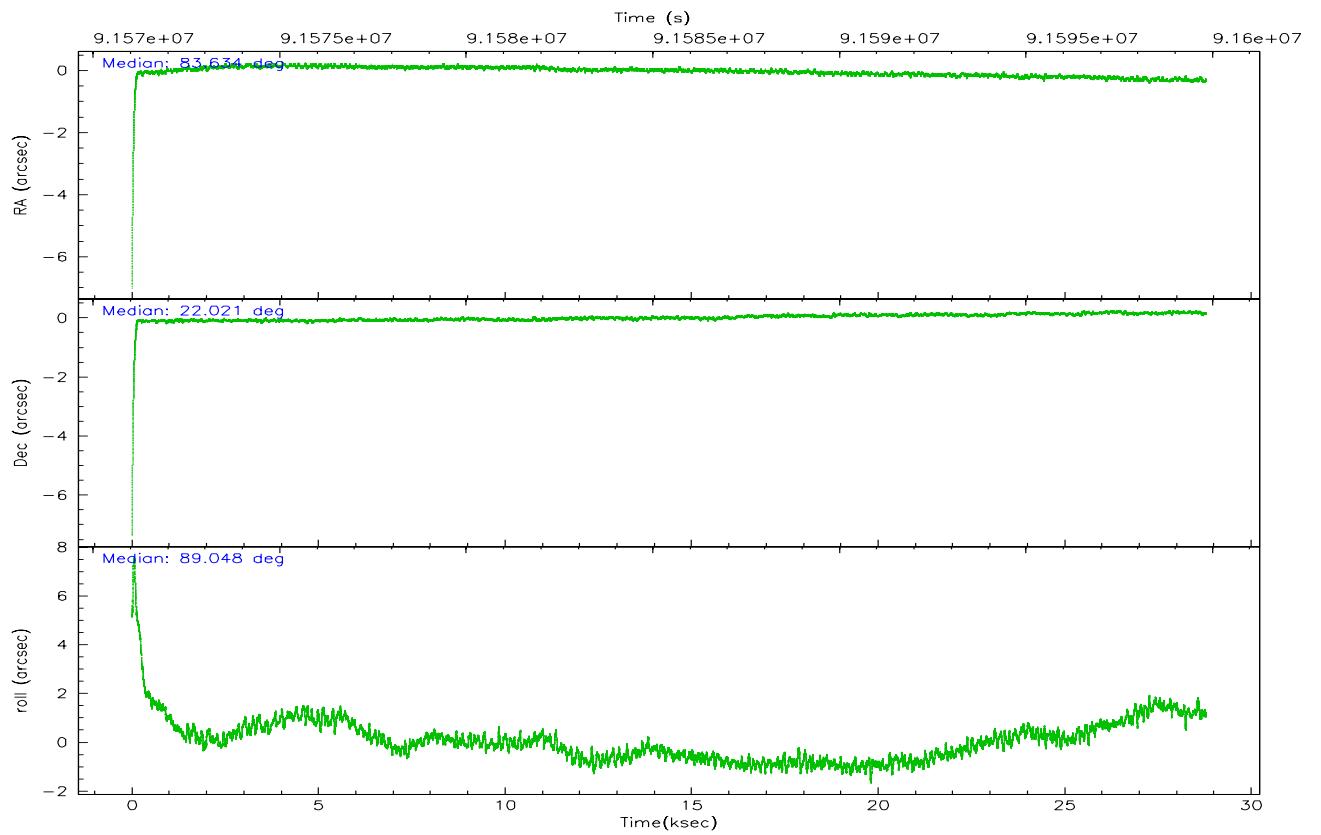
ccd 7	
grade 0 events	2335083
	19%
grade 1 events	154593
	1%
grade 2 events	2790781
	23%
grade 3 events	1228450
	10%
grade 4 events	1204700
	10%
grade 5 events	430738
	3%
grade 6 events	2973950
	25%
grade 7 events	598570
	5%

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	83.648189	83.63366823404006	Subarray requested	CUSTOM	CUSTOM
Pointing Dec	21.997371	22.02116891179161	Subarray start row	29	29
Pointing Roll	88.889963	89.05202971792639	Subarray row count	300	300
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	0.000000	0.2
SIM translation stage pos (mm)	-182.132523	-182.1370004450064			
SIM translation stage offset (mm)	-8	-7.995522138001405			
Observation start time	91571317.184000	91570305.156827			
Observation start date	2000-11-25T20:27:33	2000-11-25T20:11:45			
Observation end time	91599833.184000	91600148.032967			
Observation end date	2000-11-26T04:22:49	2000-11-26T04:29:08			
Read mode	TIMED	TIMED			

2.3 Aspect



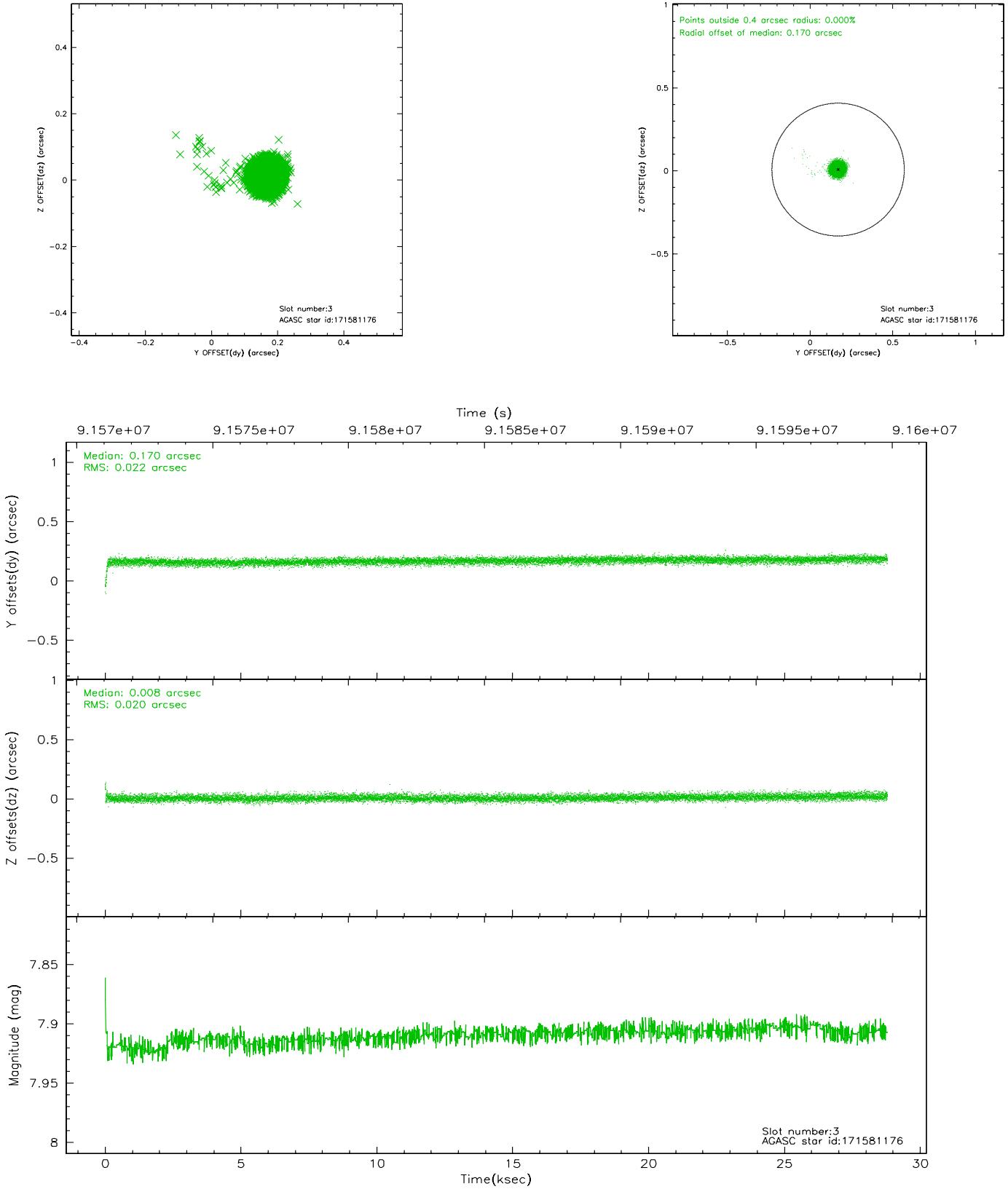


Slot Statistics

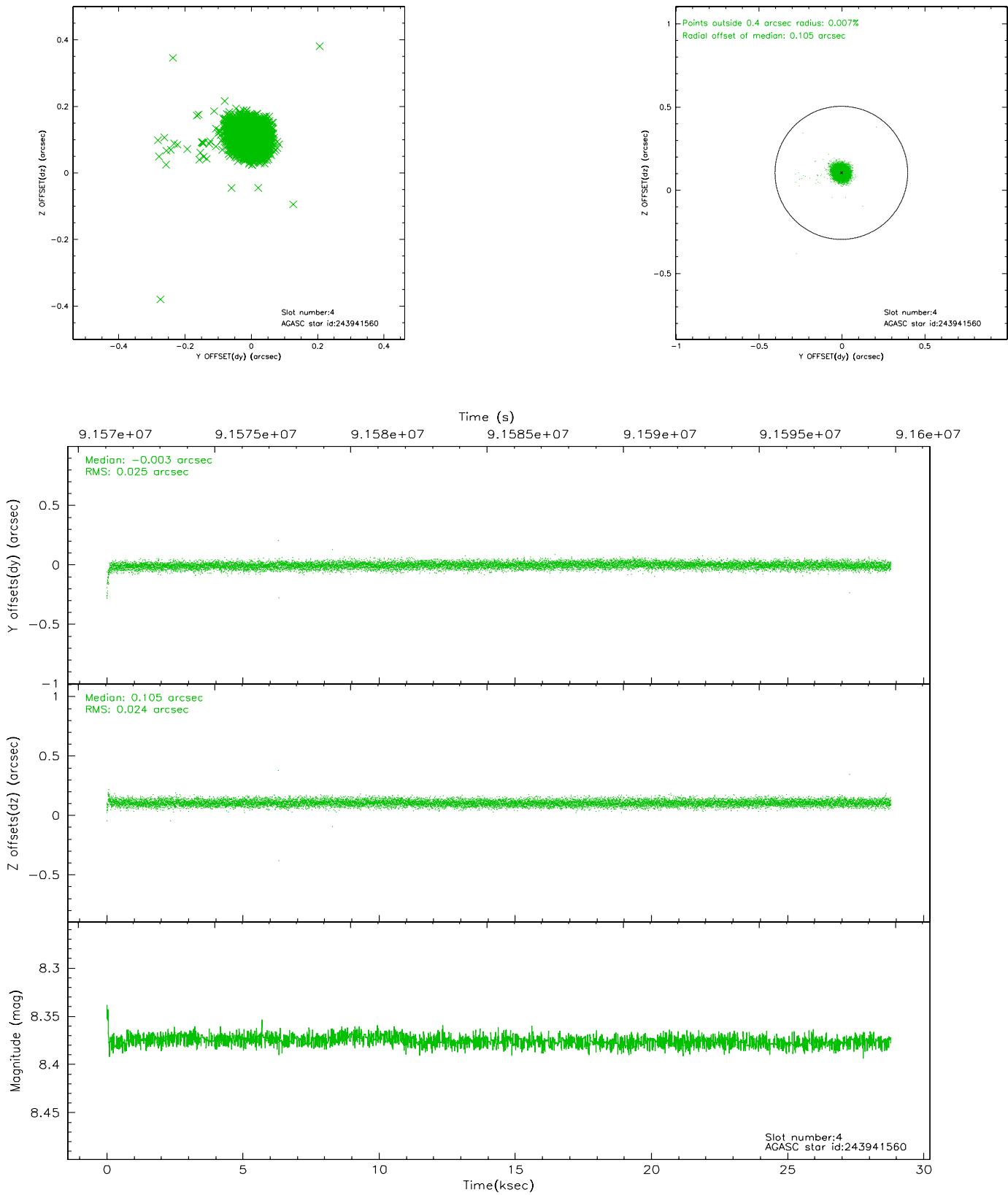
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	7023	-0.045	-0.050	0.012	0.041	0.000000	0.000000	-754.48	-1891.49
1	FID	ACIS-S-4	7.18	7023	-0.001	0.035	0.010	0.022	0.000000	0.000000	2158.80	16.94
2	FID	ACIS-S-5	7.23	7022	0.014	0.022	0.011	0.037	0.000000	0.000000	-1807.16	10.72
3	GUIDE	171581176	7.91	14045	0.170	0.008	0.030	0.049	83.918863	21.403256	-2120.42	-948.66
4	GUIDE	243941560	8.38	14046	-0.003	0.105	0.035	0.058	83.733264	22.568598	2060.85	-242.78
5	GUIDE	171586976	8.52	14044	-0.221	0.108	0.038	0.063	83.857953	22.438065	1599.57	-666.98
6	GUIDE	171586792	9.02	14042	-0.105	-0.185	0.051	0.085	83.501733	22.424168	1526.36	516.91
7	GUIDE	171597832	9.17	14040	0.161	-0.039	0.057	0.095	83.183230	21.366702	-2298.28	1514.50

2.4 Star Slots

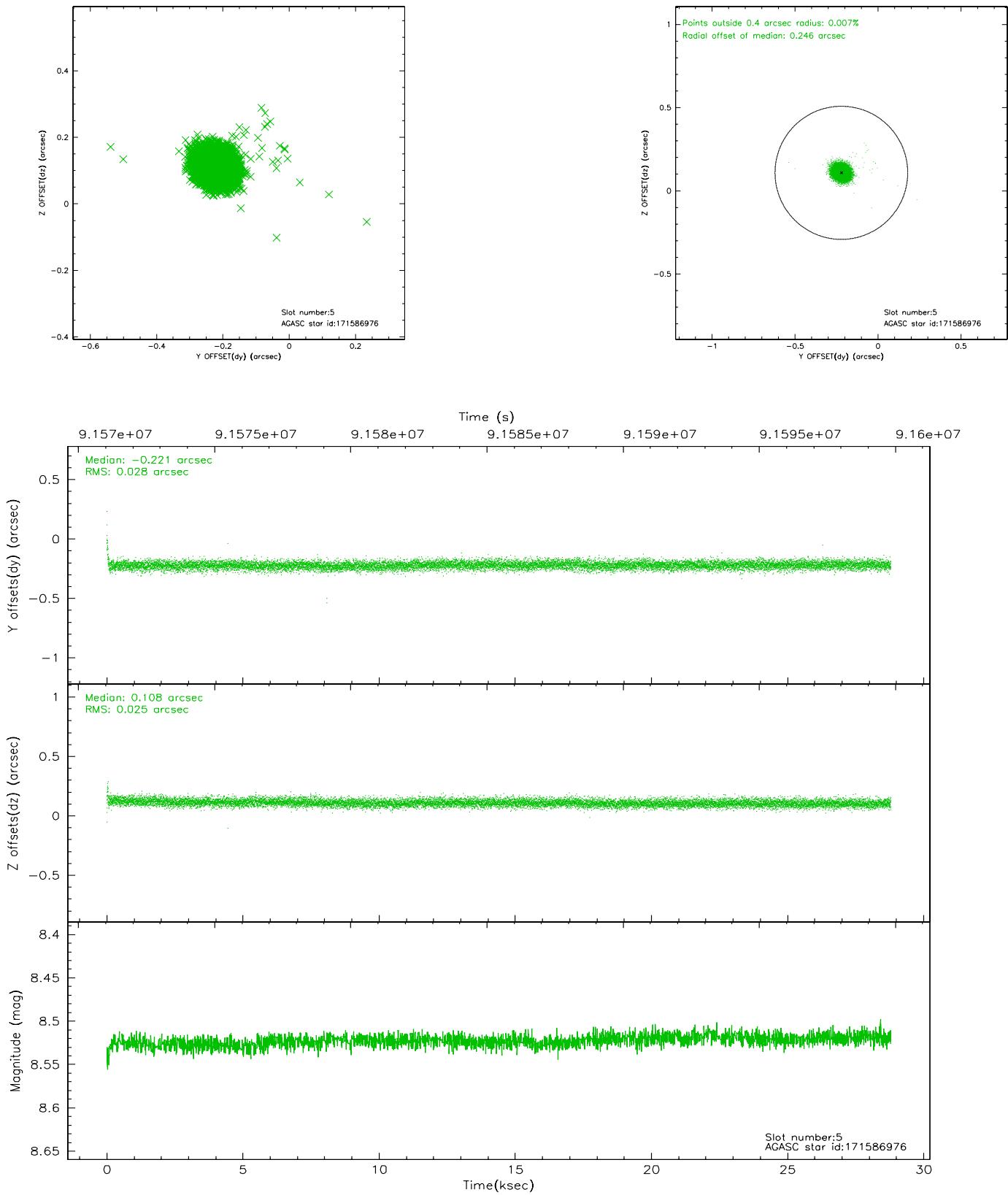
2.4.1 Slot 3



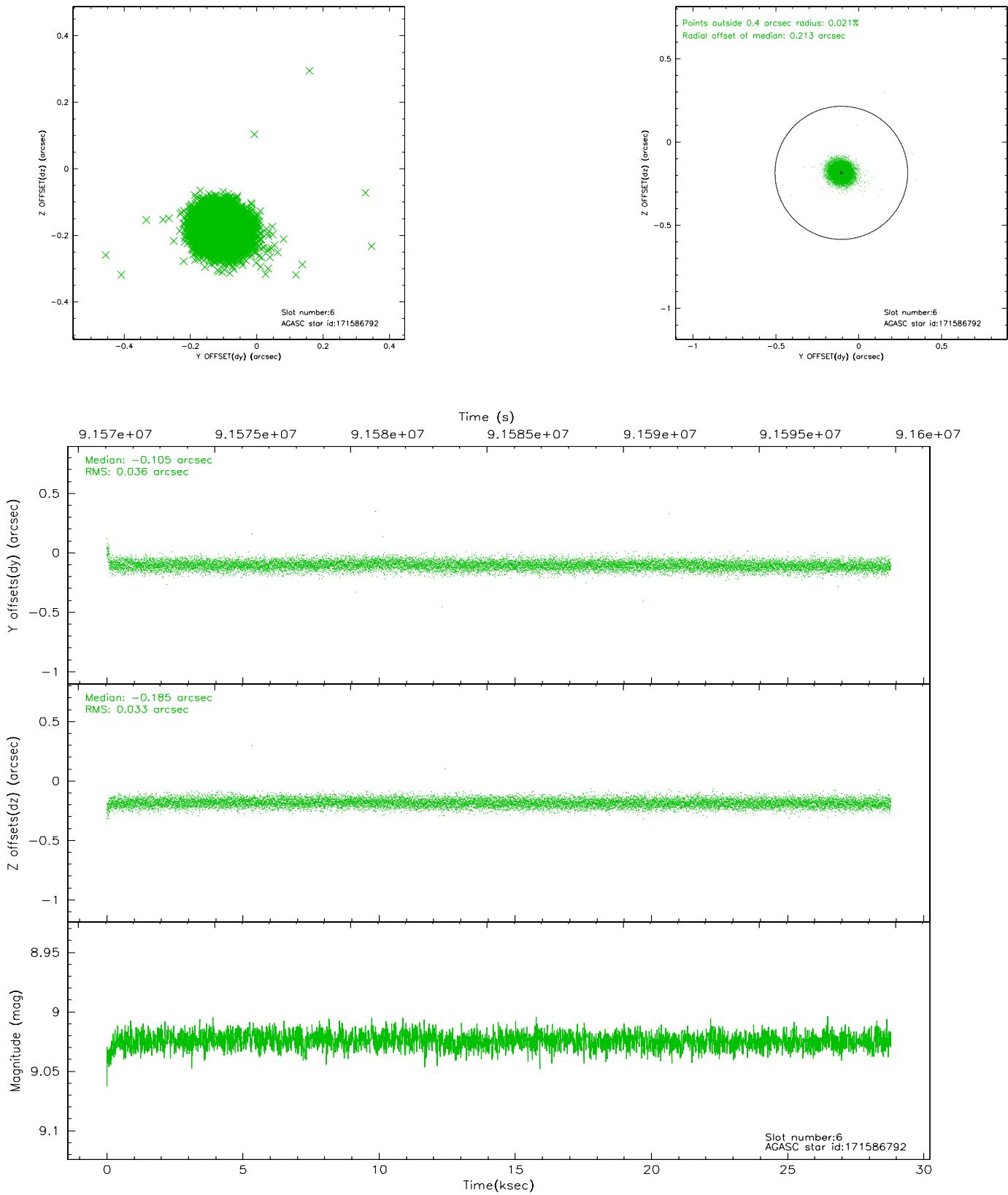
2.4.2 Slot 4



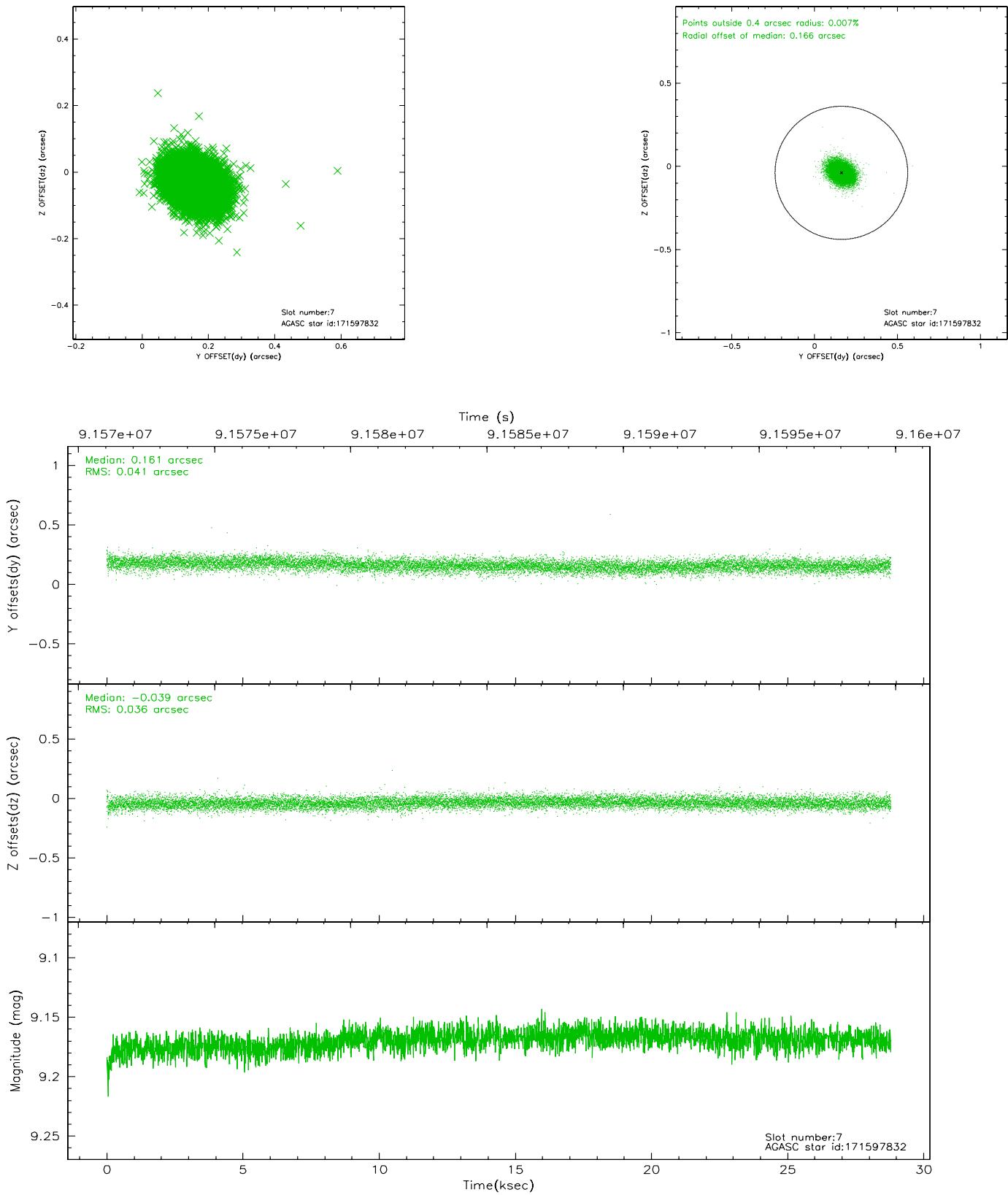
2.4.3 Slot 5



2.4.4 Slot 6

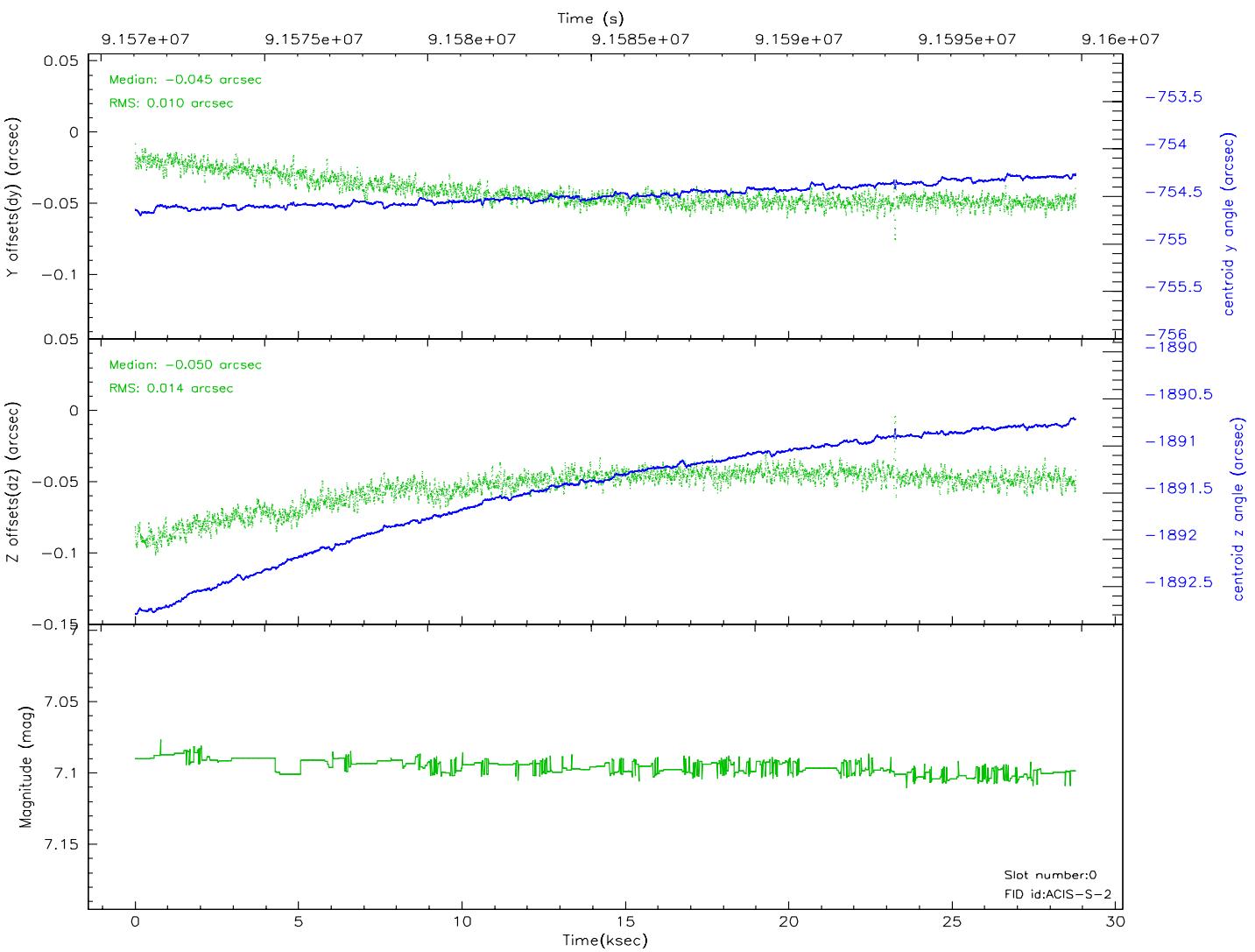
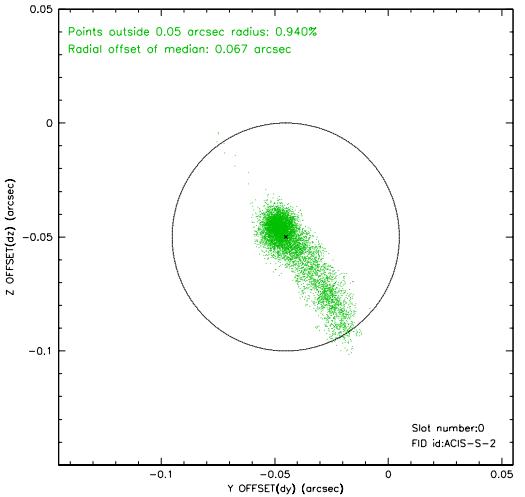
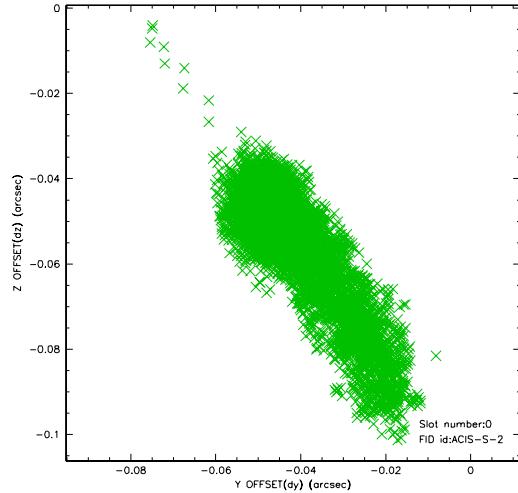


2.4.5 Slot 7

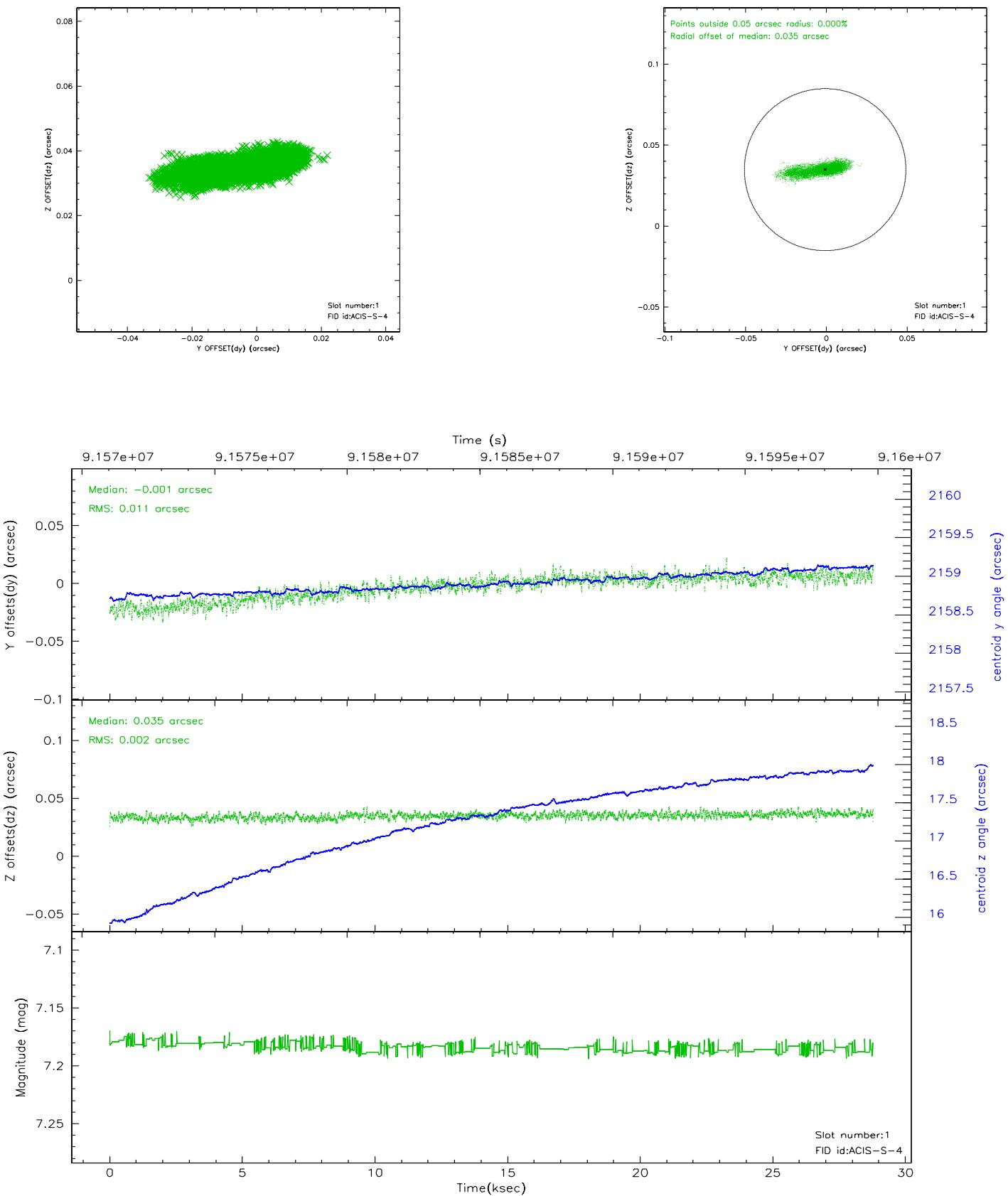


2.5 FID Slots

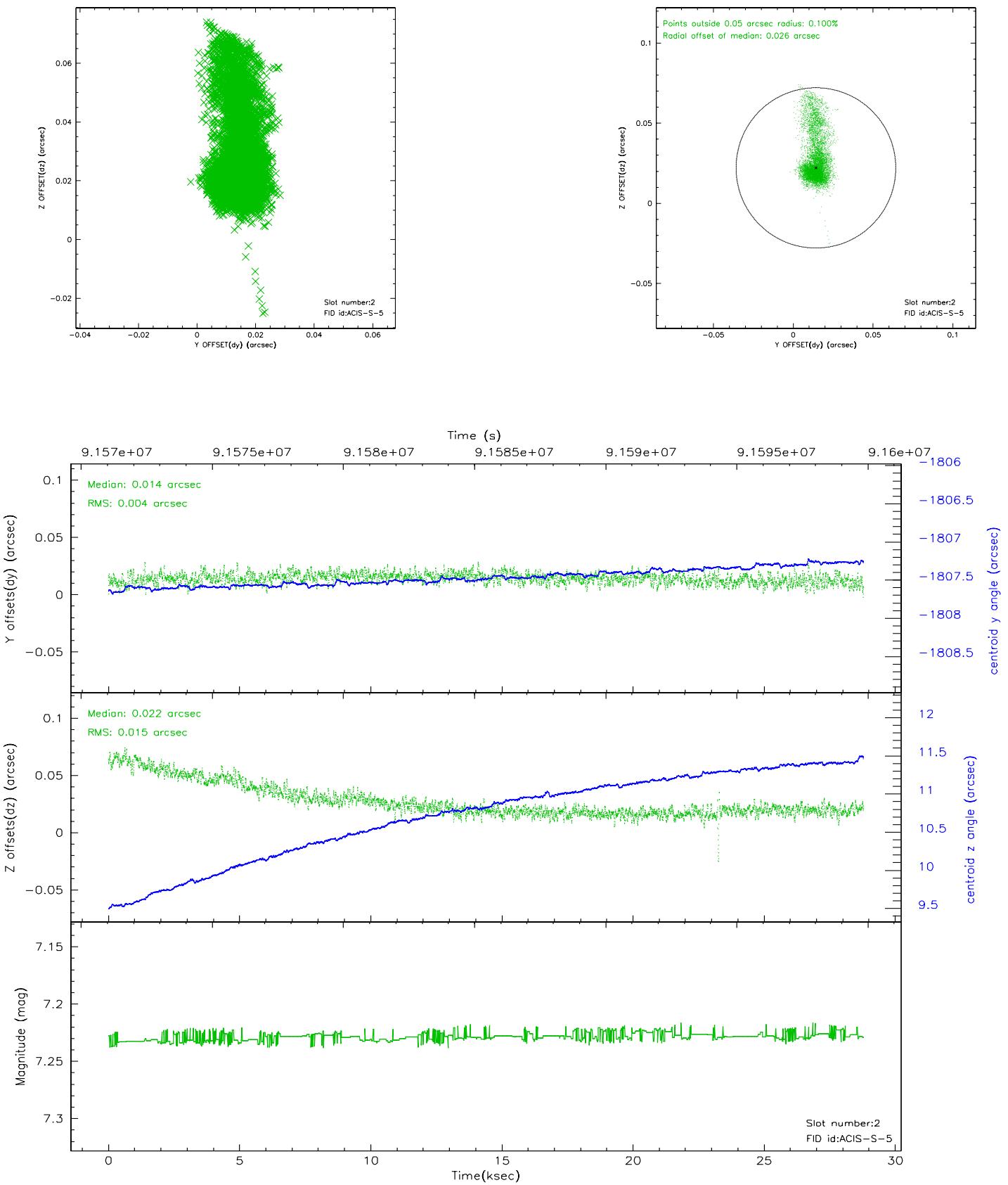
2.5.1 Slot 0



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)	2007.08.02
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	25.7

A.2 Comments

Charge time for this observation remains at original value of 25.7 ks, although

with the current processing the charge time would have been 17.4 ksec. The high count rate resulted in telemetry saturation and a large number of dropped exposures. The ONTIME value reflects the lost exposure time.