

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5740 - L2 Version 002
Chandra X-Ray Center

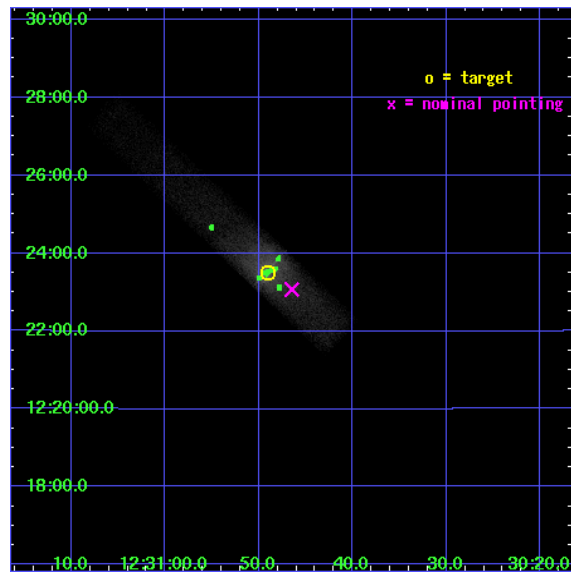
L2 Processing Date: Mar 2 2006

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1 Front

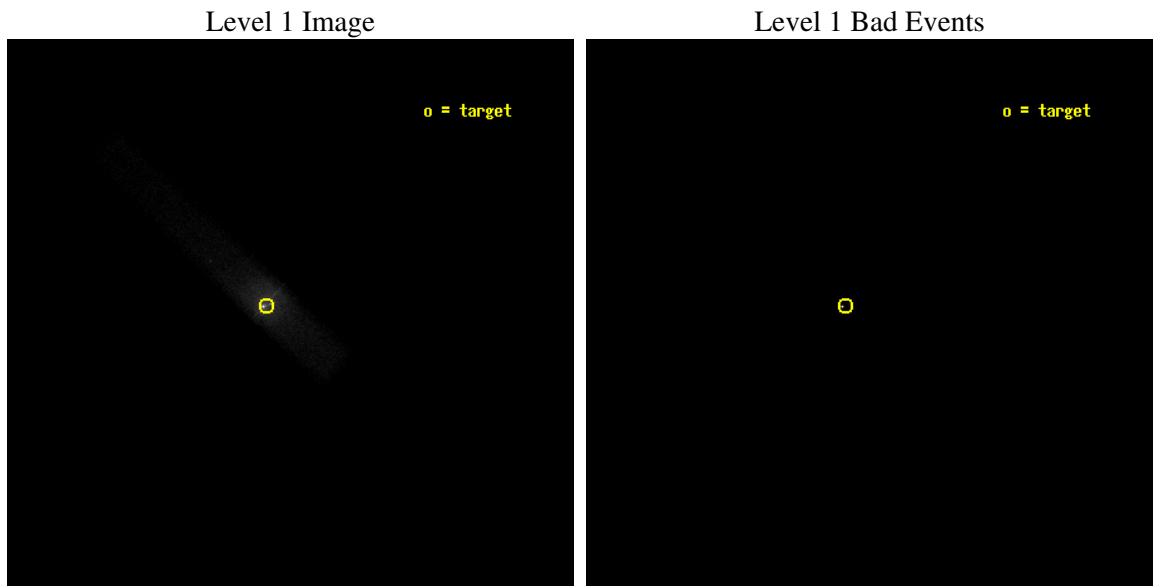
seq_num	701162
obs_id	5740
title	The X-ray Flares of Knot 'HST-1' in the M87 Jet (monitoring)
observer	Dr. John Biretta
object	M87
dtcycle	0
cycle	P
ra_targ	187.704167
dec_targ	12.391667
ra_nom	187.69373562201
dec_nom	12.384392245109
roll_nom	223.21257890972
revision	2
ontime	5180.8000771999
livetime	4698.71220497
ontime7	5180.8000771999
l2events	59021



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1
ascdsver	7.6.7
caldbver	3.2.1
date	2006-03-02T05:17:09
revision	2

sched_exp_time	5000.000000
ontime	5743.1684612632
ontime7	5743.1684612632
l1events	76496

2.1.4 Events

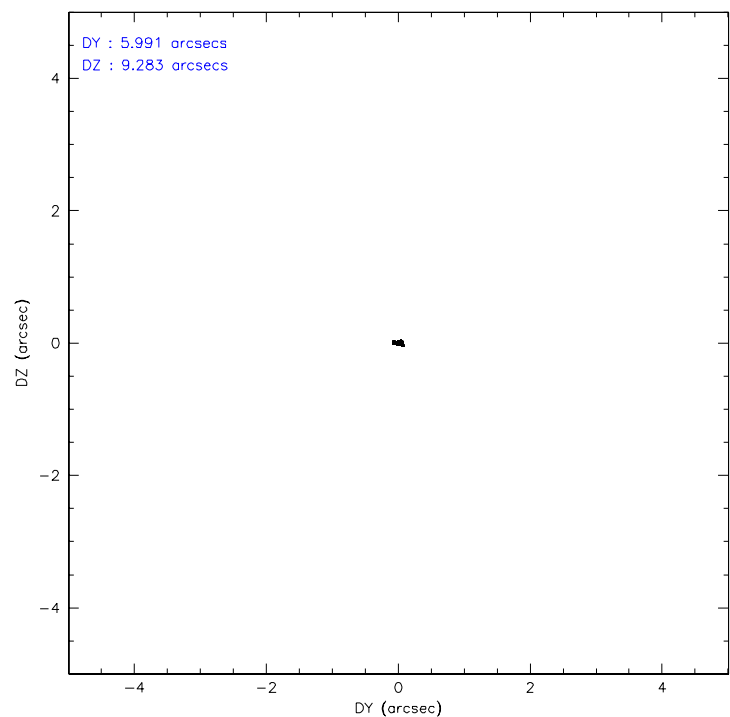
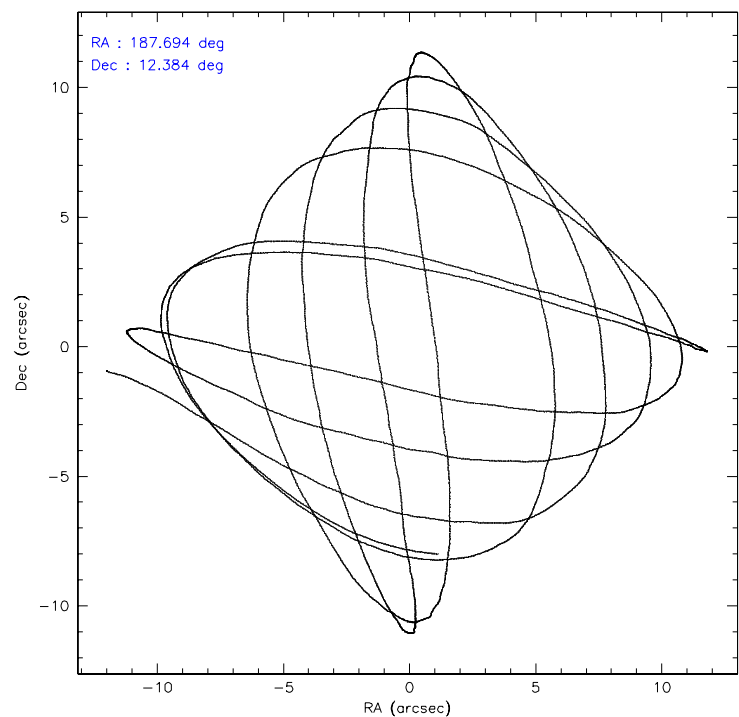
	ccd 7
level 1 events	76496
rejected events	16908
rejected %	22%

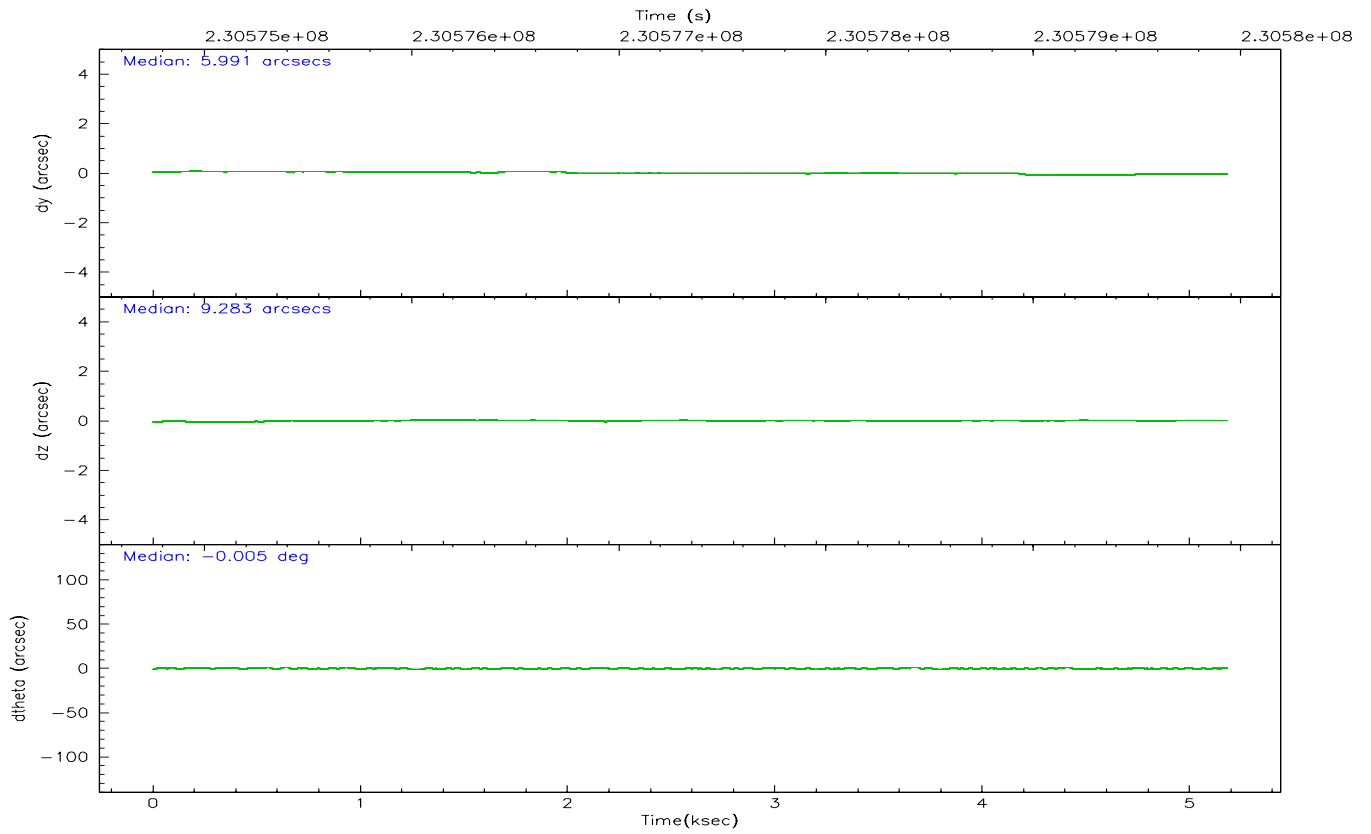
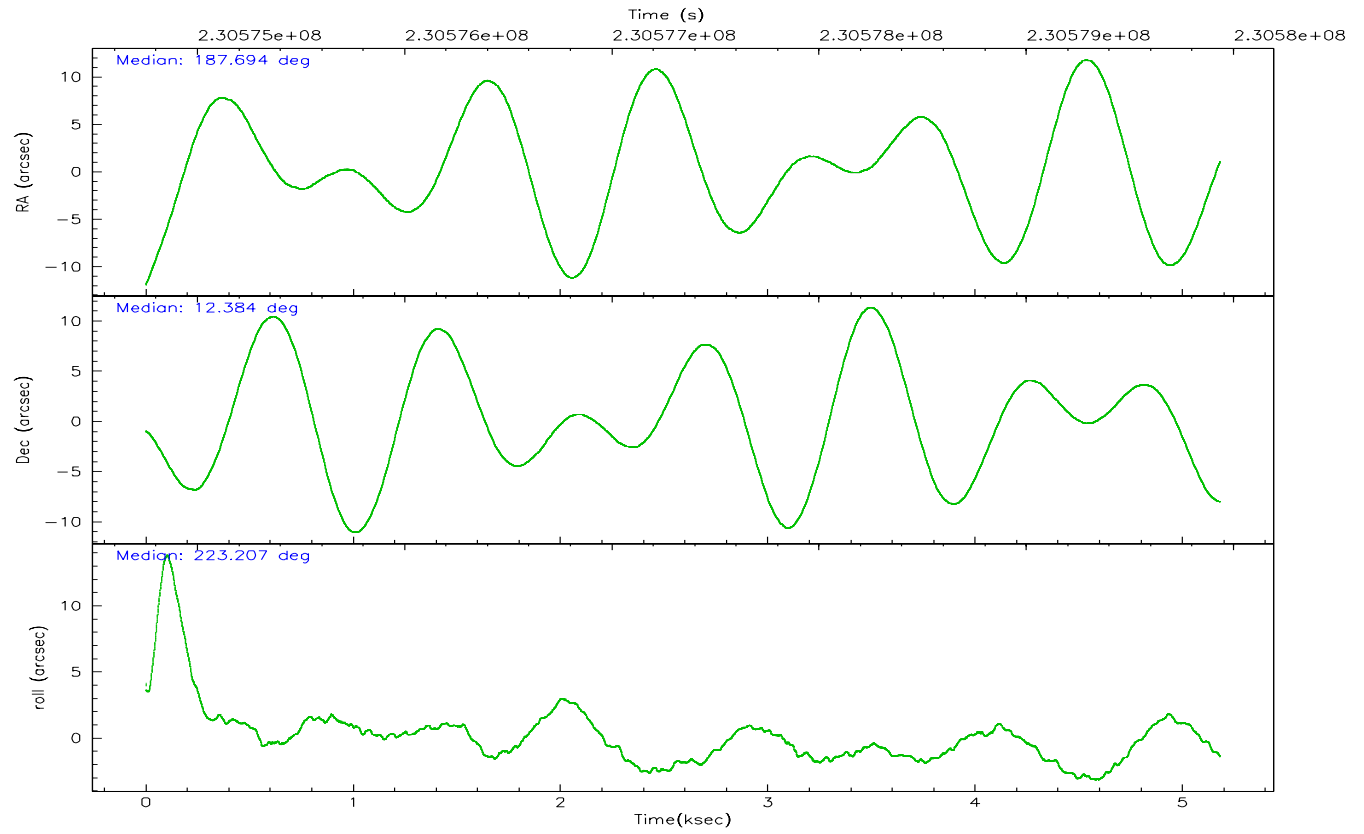
	ccd 7
grade 0 events	17768
	23%
grade 1 events	386
	0%
grade 2 events	15795
	20%
grade 3 events	6755
	8%
grade 4 events	6324
	8%
grade 5 events	2546
	3%
grade 6 events	14946
	19%
grade 7 events	11976
	15%

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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	1/8	1/8
Pointing RA	187.701441	187.6937356220131	Subarray start row	0	449
Pointing Dec	12.410629	12.38439224510877	Subarray row count	1024	128
Pointing Roll	223.054294	223.2125789097179	Alternating exposures requested	N	N
Window start time	230169664.184000	230169664.184000	Primary exposure time	0.000000	0.4
Window stop time	230774464.184000	230774464.184000			
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	230574933.184000	230574031.1239			
Observation start date	2005-04-22T16:34:29	2005-04-22T16:20:31			
Observation end time	230579933.184000	230581771.92425			
Observation end date	2005-04-22T17:57:49	2005-04-22T18:29:31			
Read mode	TIMED	TIMED			

2.3 Aspect



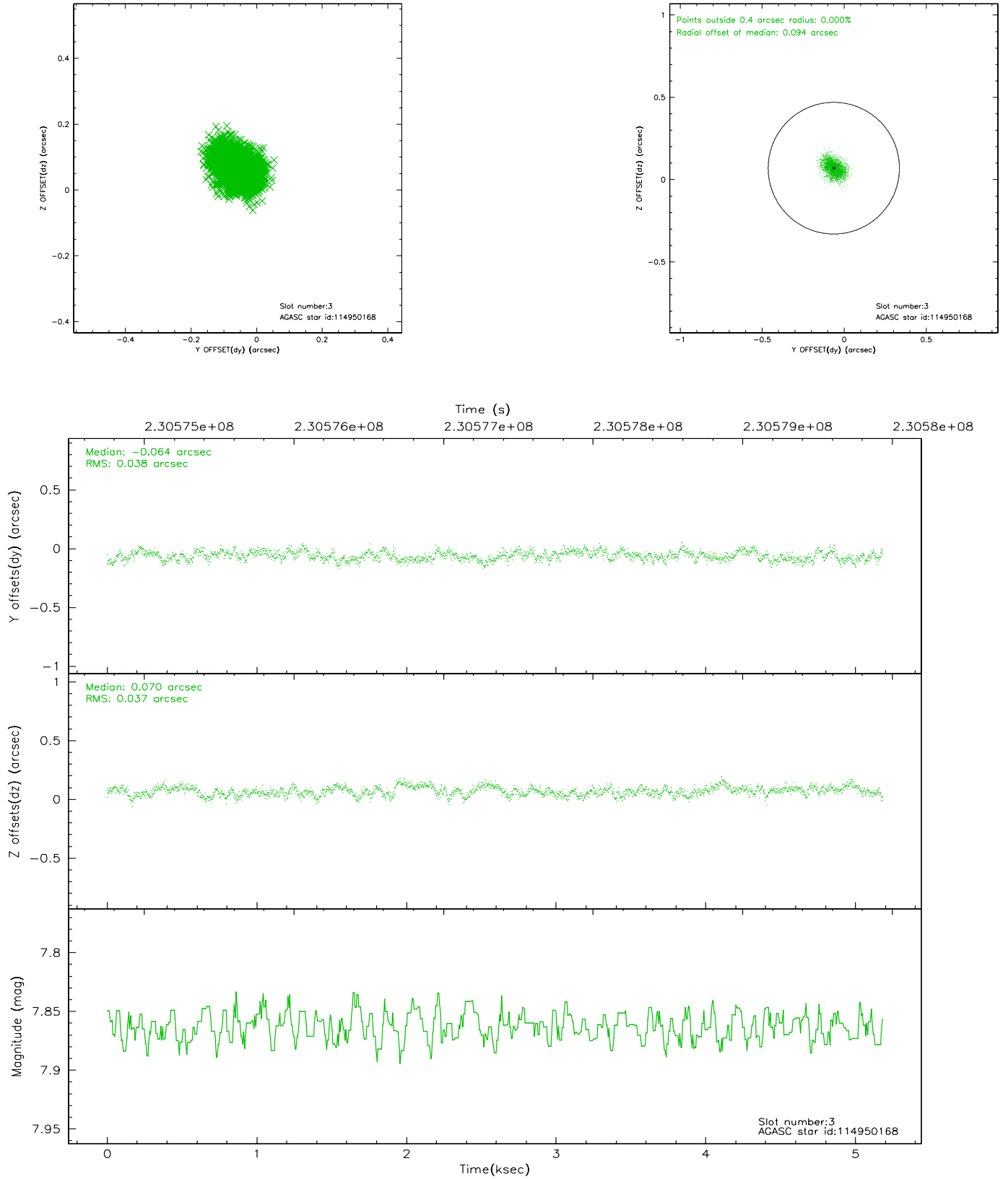


Slot Statistics

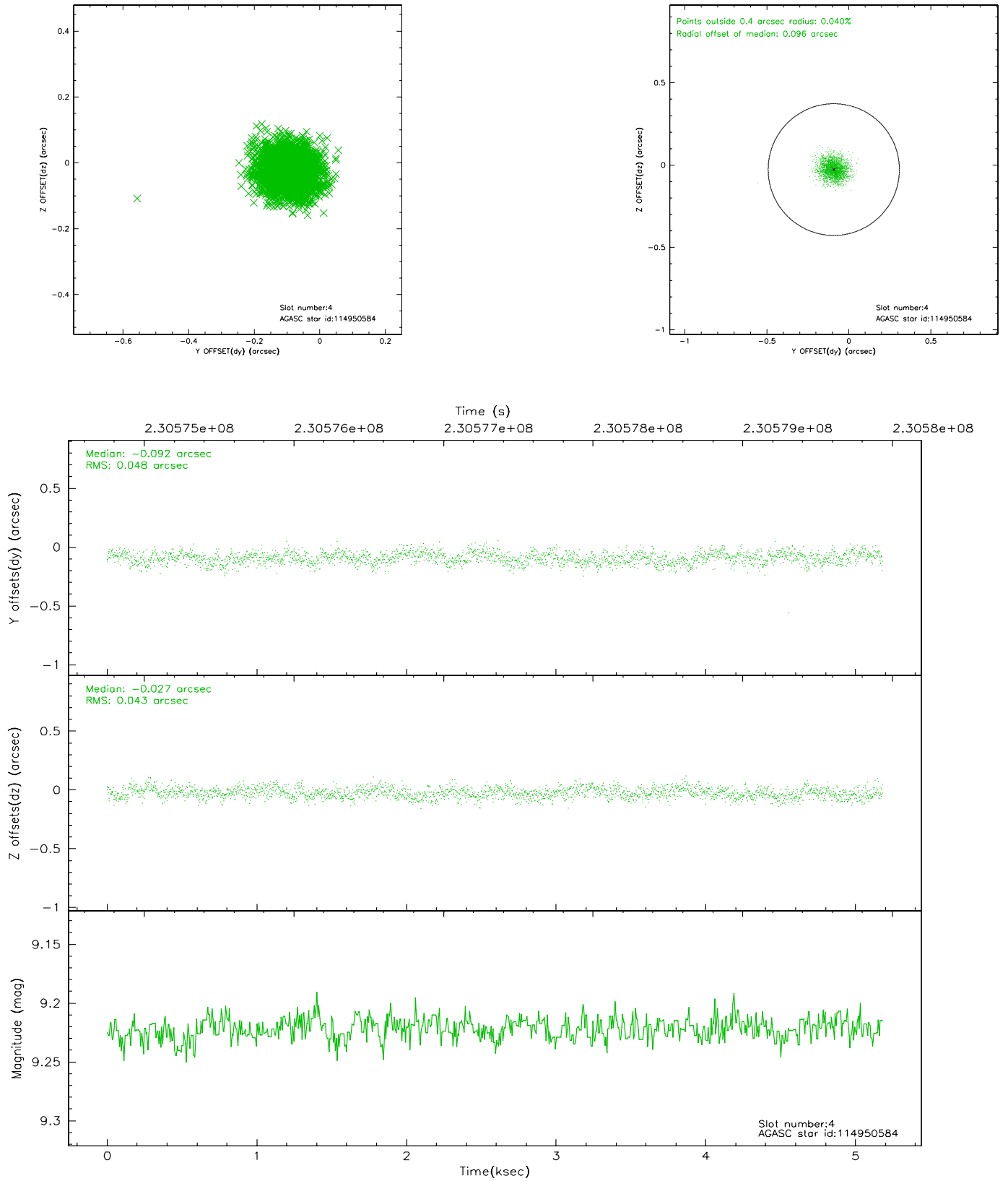
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1264	-0.055	-0.032	0.007	0.011	0.000000	0.000000	-758.76	-1730.55
1	FID	ACIS-S-4	7.20	1264	0.082	0.035	0.005	0.008	0.000000	0.000000	2154.11	176.82
2	FID	ACIS-S-5	7.23	1264	-0.058	0.006	0.006	0.011	0.000000	0.000000	-1810.12	171.76
3	GUIDE	114950168	7.86	2529	-0.064	0.070	0.057	0.090	187.143398	12.117441	2154.44	-570.97
4	GUIDE	114950584	9.22	2527	-0.092	-0.027	0.069	0.110	187.487323	11.827248	1985.63	1019.07
5	GUIDE	114952824	8.58	2528	0.011	0.065	0.070	0.114	187.703904	12.486727	-192.41	-194.08
6	GUIDE	114955056	8.32	2529	0.079	-0.127	0.058	0.094	187.914001	12.127854	147.97	1254.00
7	GUIDE	114956608	9.66	2527	0.068	0.023	0.109	0.180	187.452443	11.725979	2324.14	1202.02

2.4 Star Slots

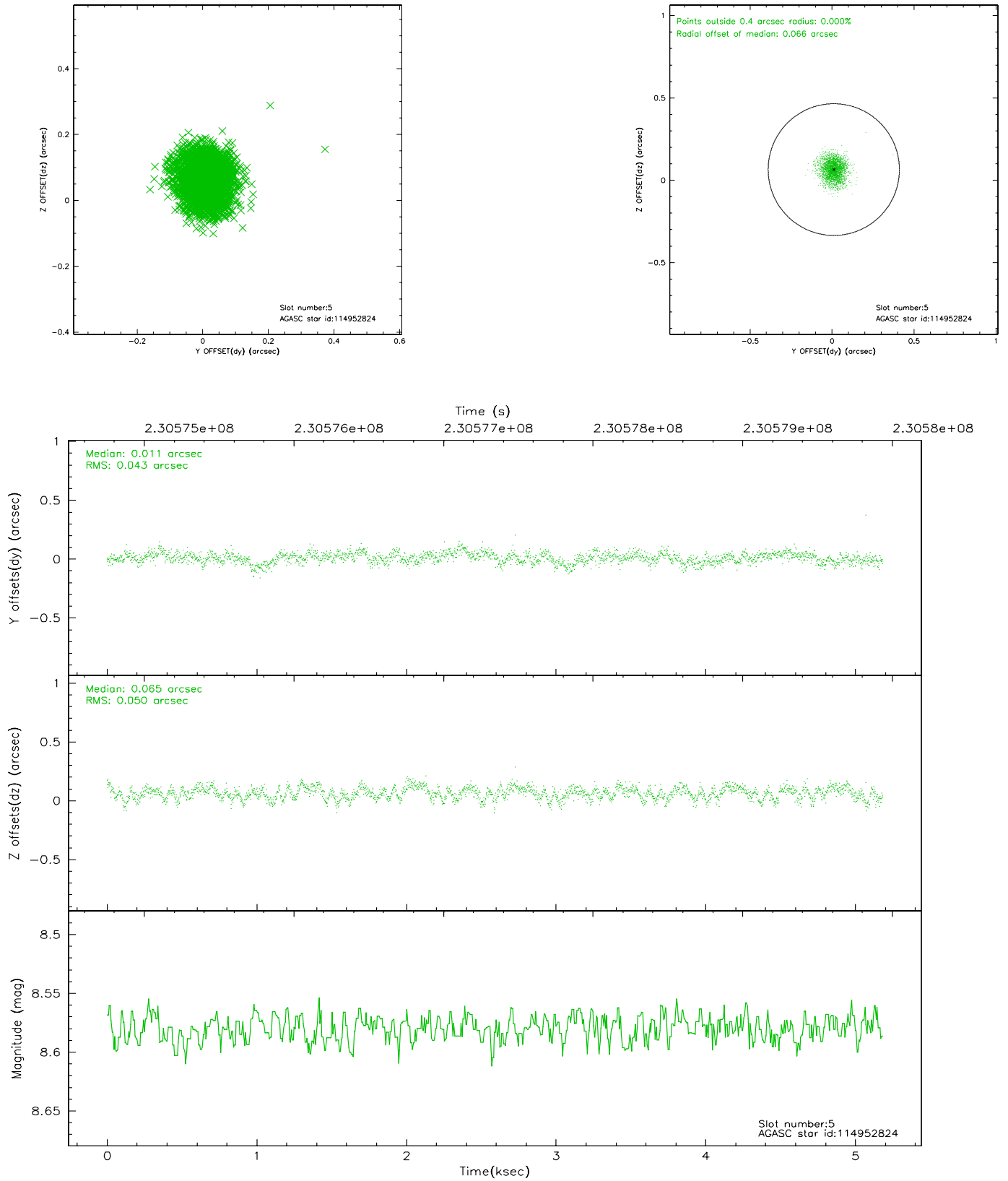
2.4.1 Slot 3



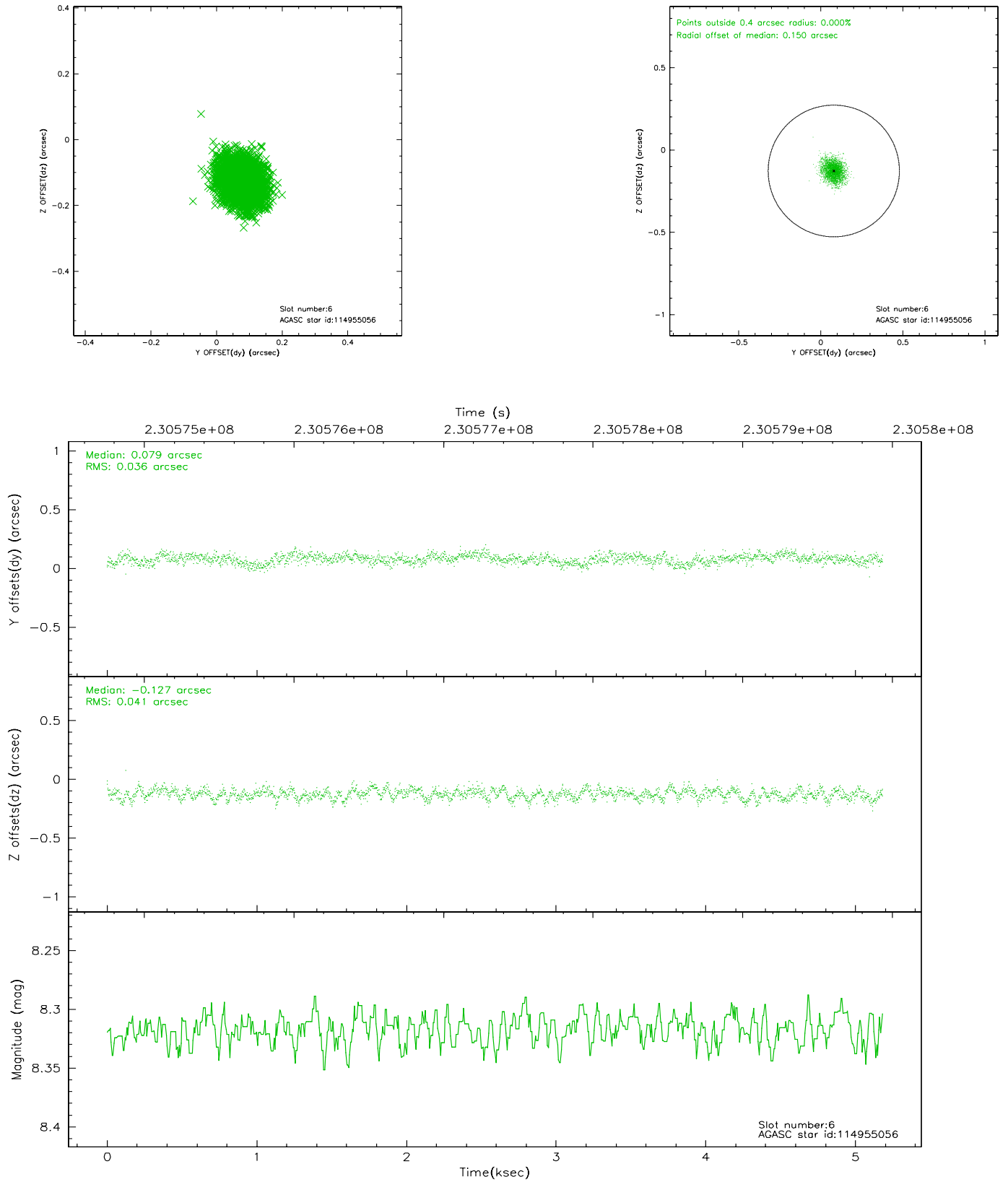
2.4.2 Slot 4



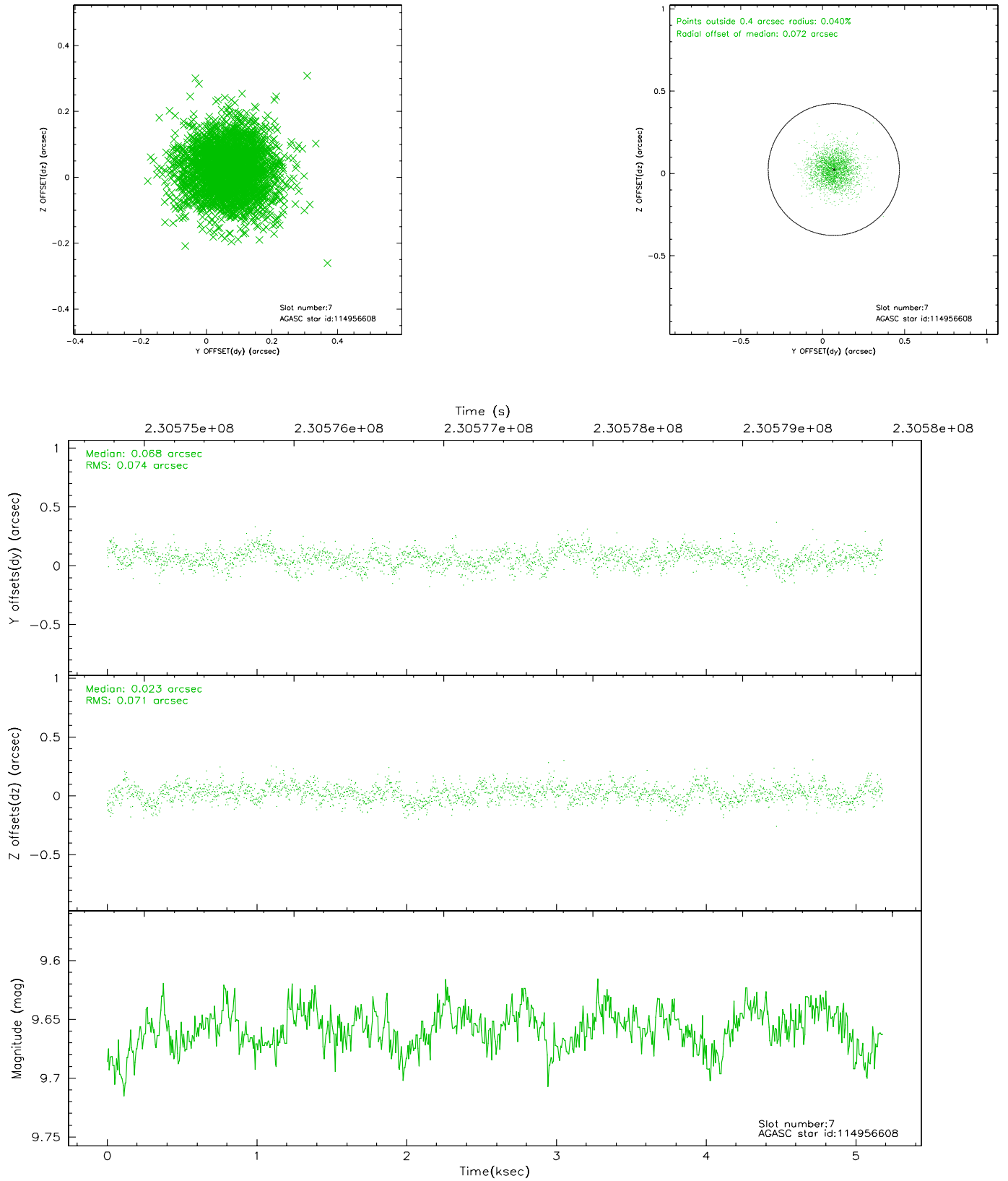
2.4.3 Slot 5



2.4.4 Slot 6

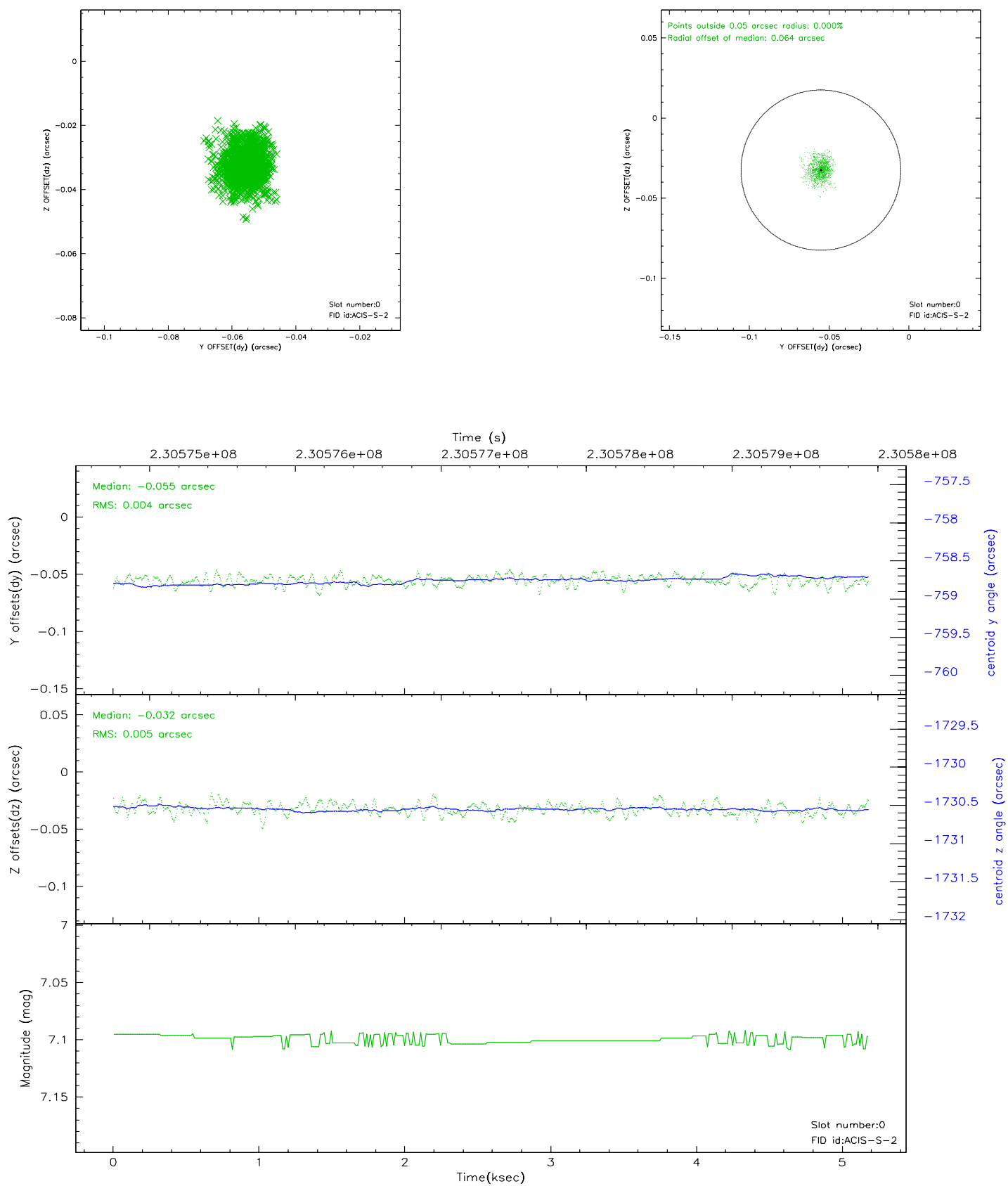


2.4.5 Slot 7

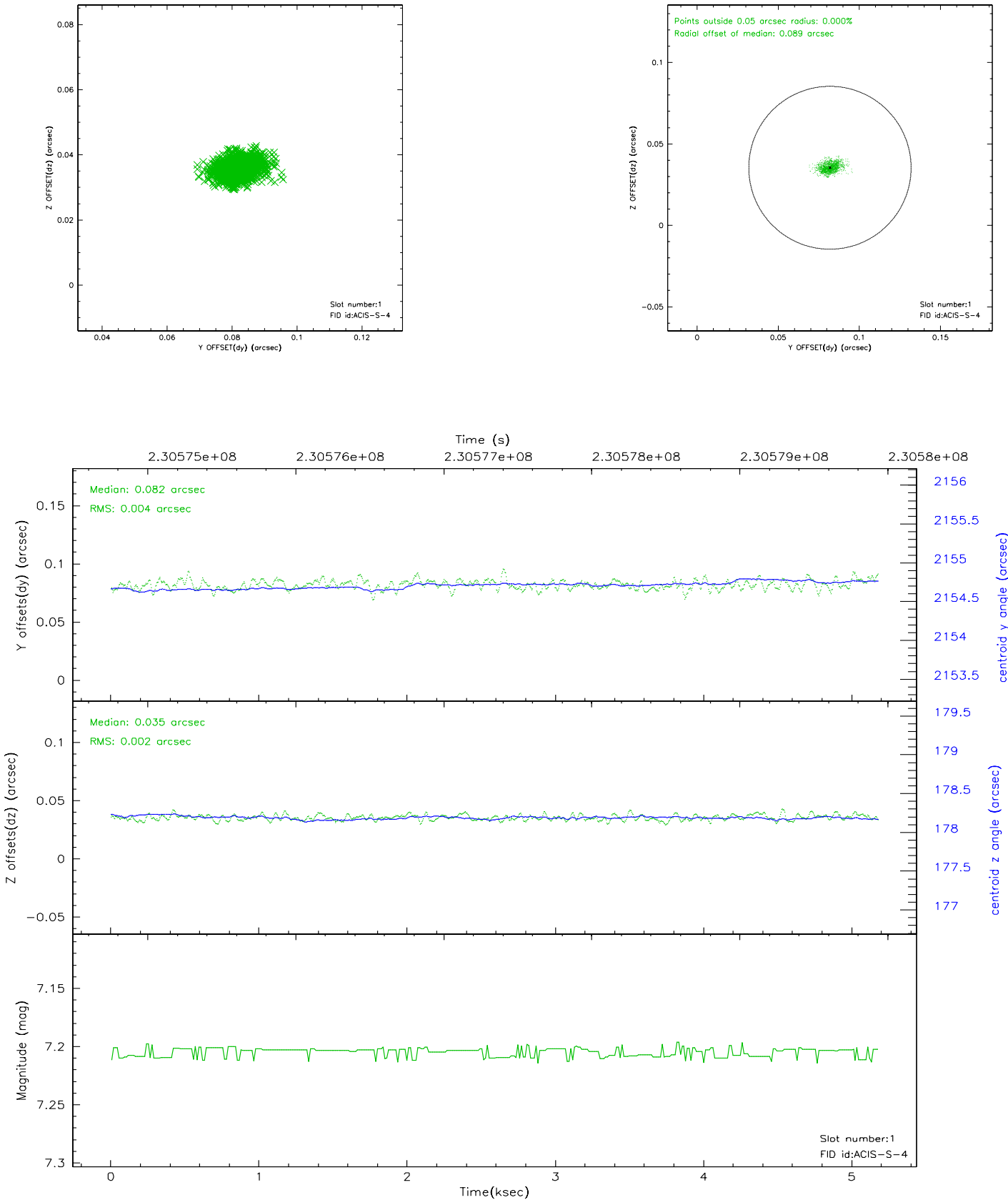


2.5 FID Slots

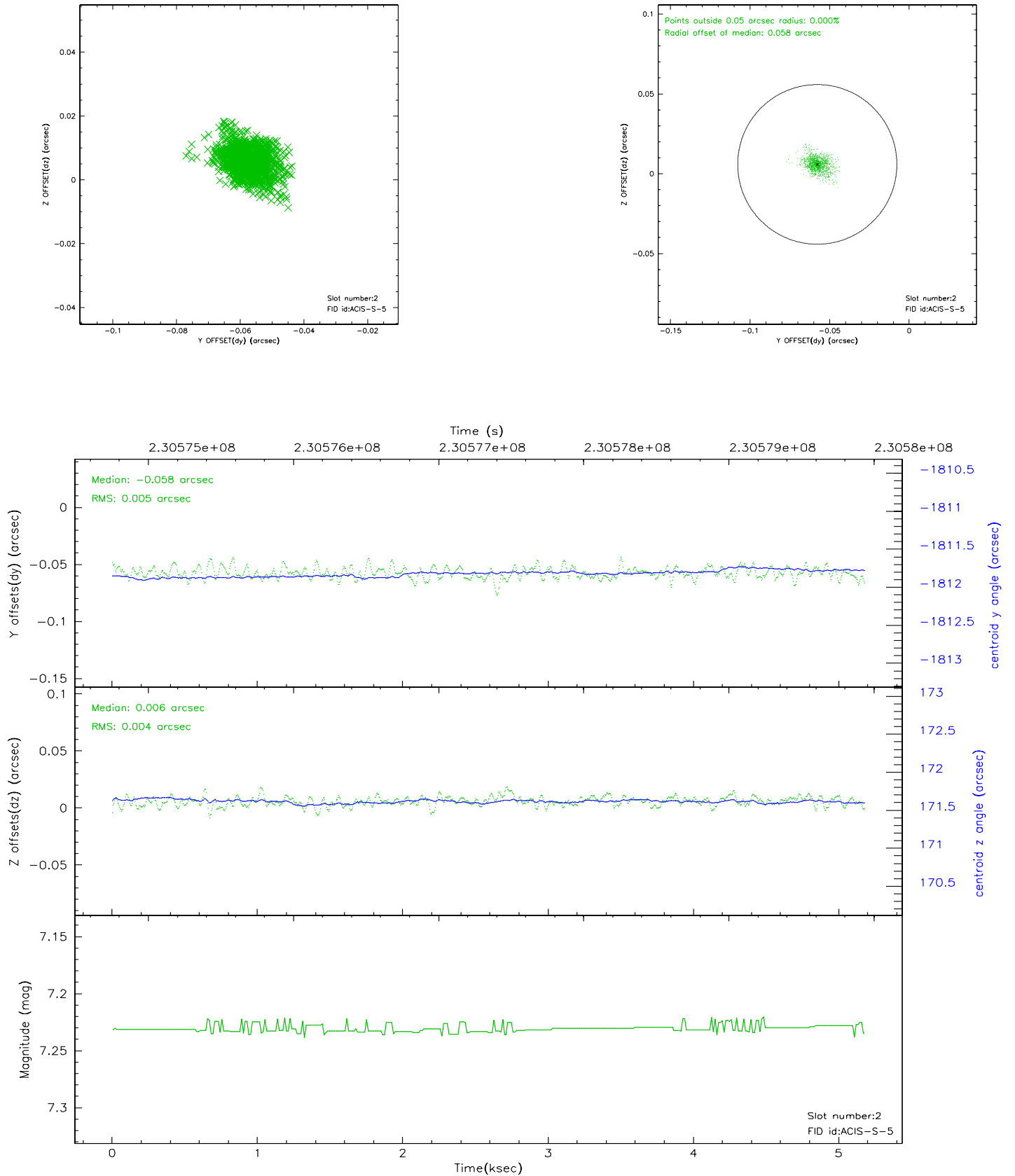
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1808

A.2 Comments

Window constraint met. The ACIS focal plane temperature is above the calibration range for most of the observation.