

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 410 - L2 Version 001
Chandra X-Ray Center

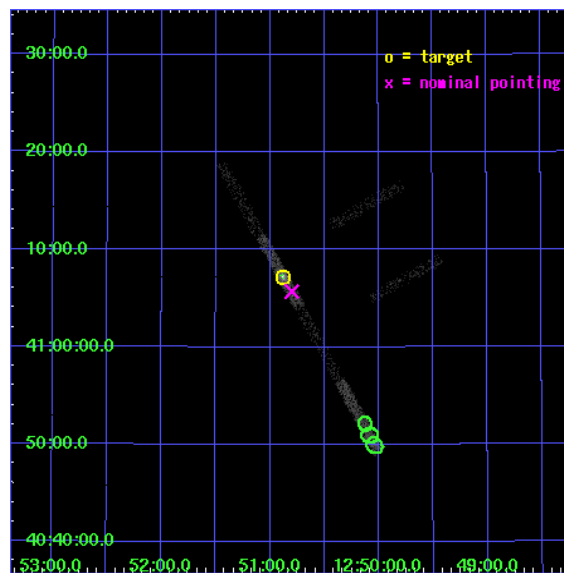
L2 Processing Date : May 27 2007

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

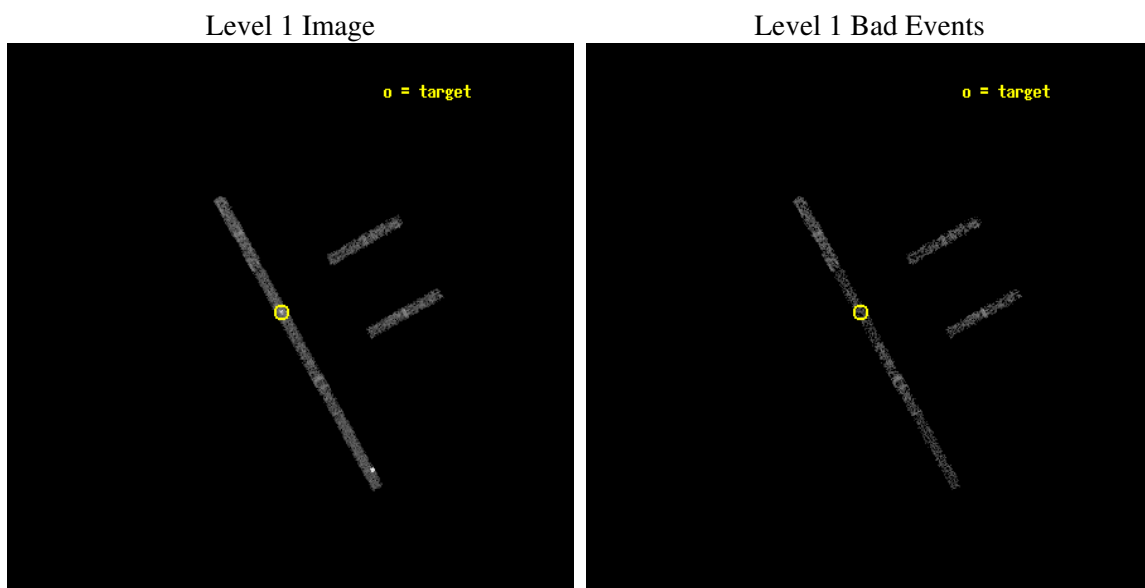
seq_num	700082
obs_id	410
title	LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI IN NEARBY GALAXIES
observer	Prof. Gordon Garmire
object	NGC 4736
dtcycle	0
cycle	P
ra_targ	192.720833
dec_targ	41.12
ra_nom	192.69972235054
dec_nom	41.095275514581
roll_nom	240.91588158342
revision	3
ontime	2431.9999909401
livetime	2313.3263492249
ontime2	2431.9999909401
ontime3	2431.1589808613
ontime5	2431.9999909401
ontime6	2431.9999909401
ontime7	2431.9999909401
ontime8	2431.9999909401
l2events	4657



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 2

Chip 3

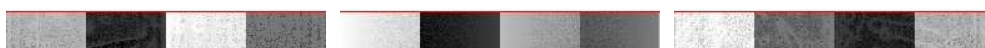
Chip 5



Chip 6

Chip 7

Chip 8



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-05-27T10:00:27
revision	3

sched_exp_time	2000.000000
ontime	2431.9999909401
ontime2	2431.9999909401
ontime3	2431.1589808613
ontime5	2431.9999909401
ontime6	2431.9999909401
ontime7	2431.9999909401
ontime8	2431.9999909401
l1events	21230

2.1.4 Events

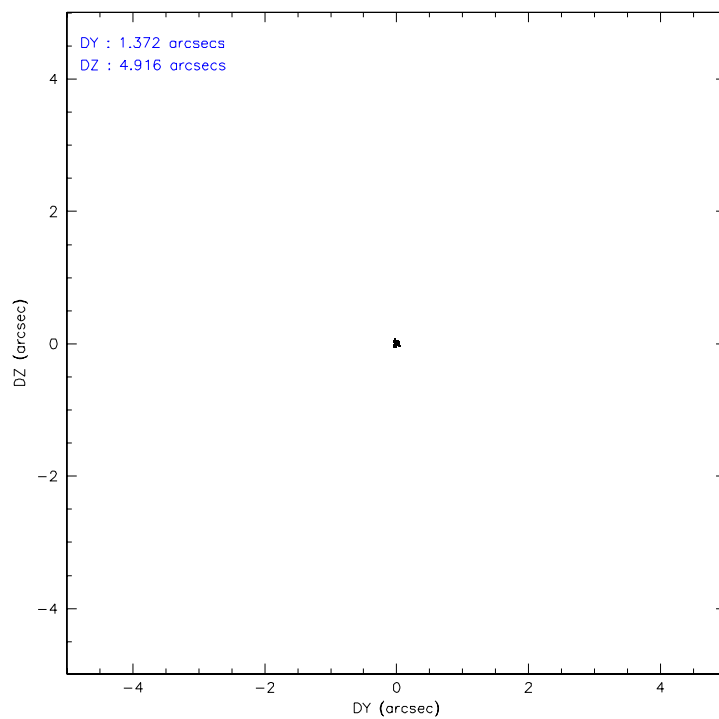
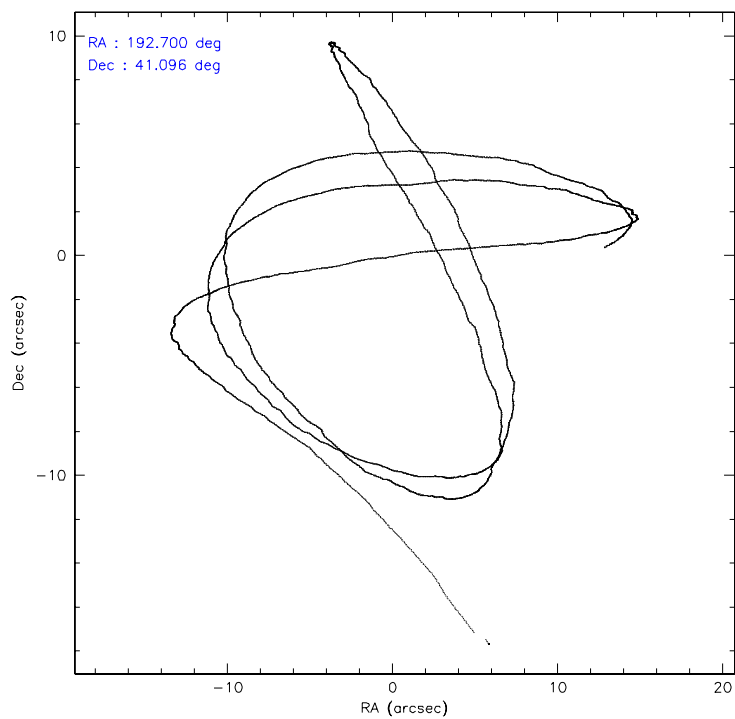
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	2572	2505	5411	2788	4119	3835
rejected events	2306	2272	1421	2510	1512	3247
rejected %	89%	90%	26%	90%	36%	84%

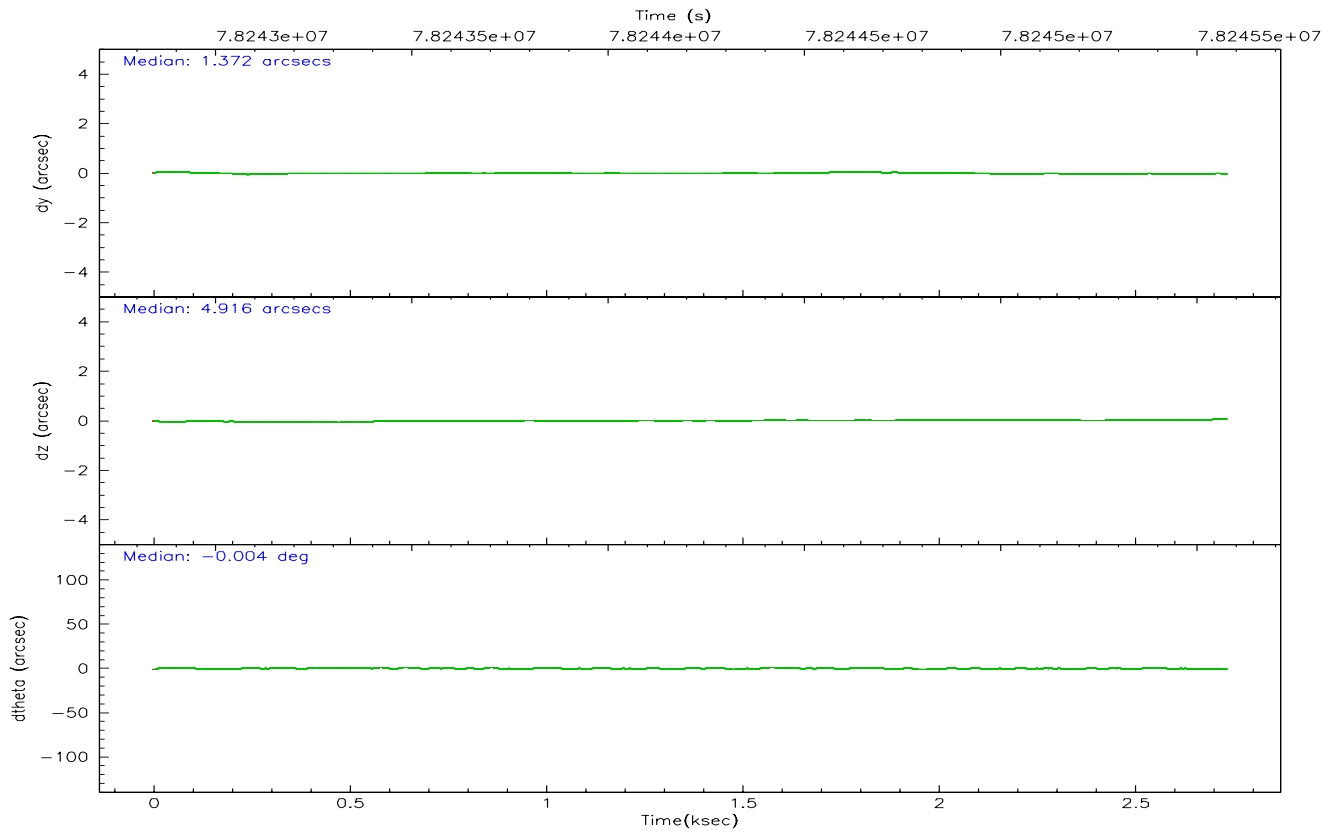
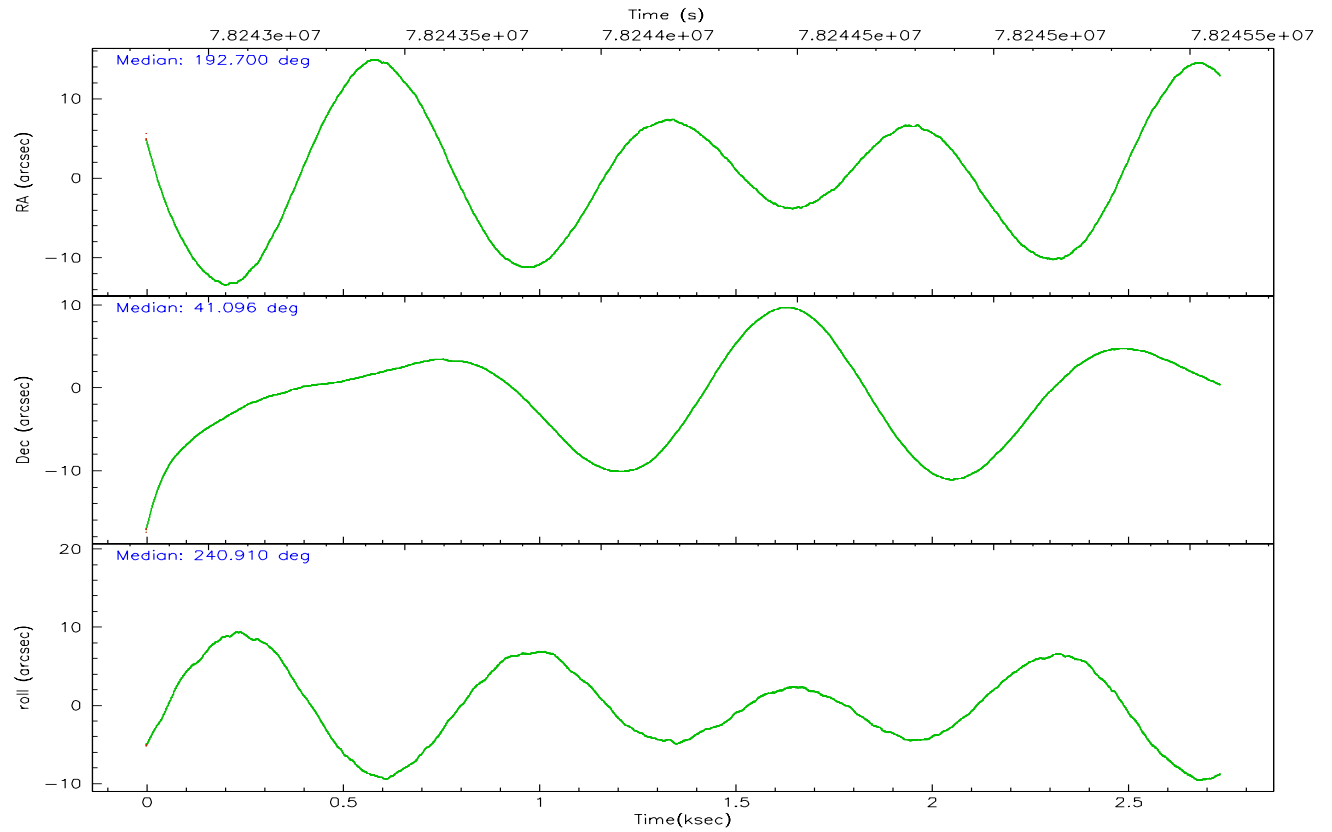
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	104	69	1537	94	727	158
	4%	2%	28%	3%	17%	4%
grade 1 events	1	0	12	0	3	0
	0%	0%	0%	0%	0%	0%
grade 2 events	33	54	1601	49	577	126
	1%	2%	29%	1%	14%	3%
grade 3 events	40	35	95	49	274	74
	1%	1%	1%	1%	6%	1%
grade 4 events	41	35	123	47	293	70
	1%	1%	2%	1%	7%	1%
grade 5 events	57	74	222	74	275	121
	2%	2%	4%	2%	6%	3%
grade 6 events	49	40	636	39	739	160
	1%	1%	11%	1%	17%	4%
grade 7 events	2247	2198	1185	2436	1231	3126
	87%	87%	21%	87%	29%	81%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	192.699001	192.6997223505401	Subarray requested	CUSTOM	1/8
Pointing Dec	41.122709	41.09527551458069	Subarray start row	447	447
Pointing Roll	240.759748	240.9158815834202	Subarray row count	128	128
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	0.000000	0.8
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	78243573.184000	78242344.96930701			
Observation start date	2000-06-24T14:18:29	2000-06-24T13:59:04			
Observation end time	78245573.184000	78246174.36944801			
Observation end date	2000-06-24T14:51:49	2000-06-24T15:02:54			
Read mode	TIMED	TIMED			

2.3 Aspect



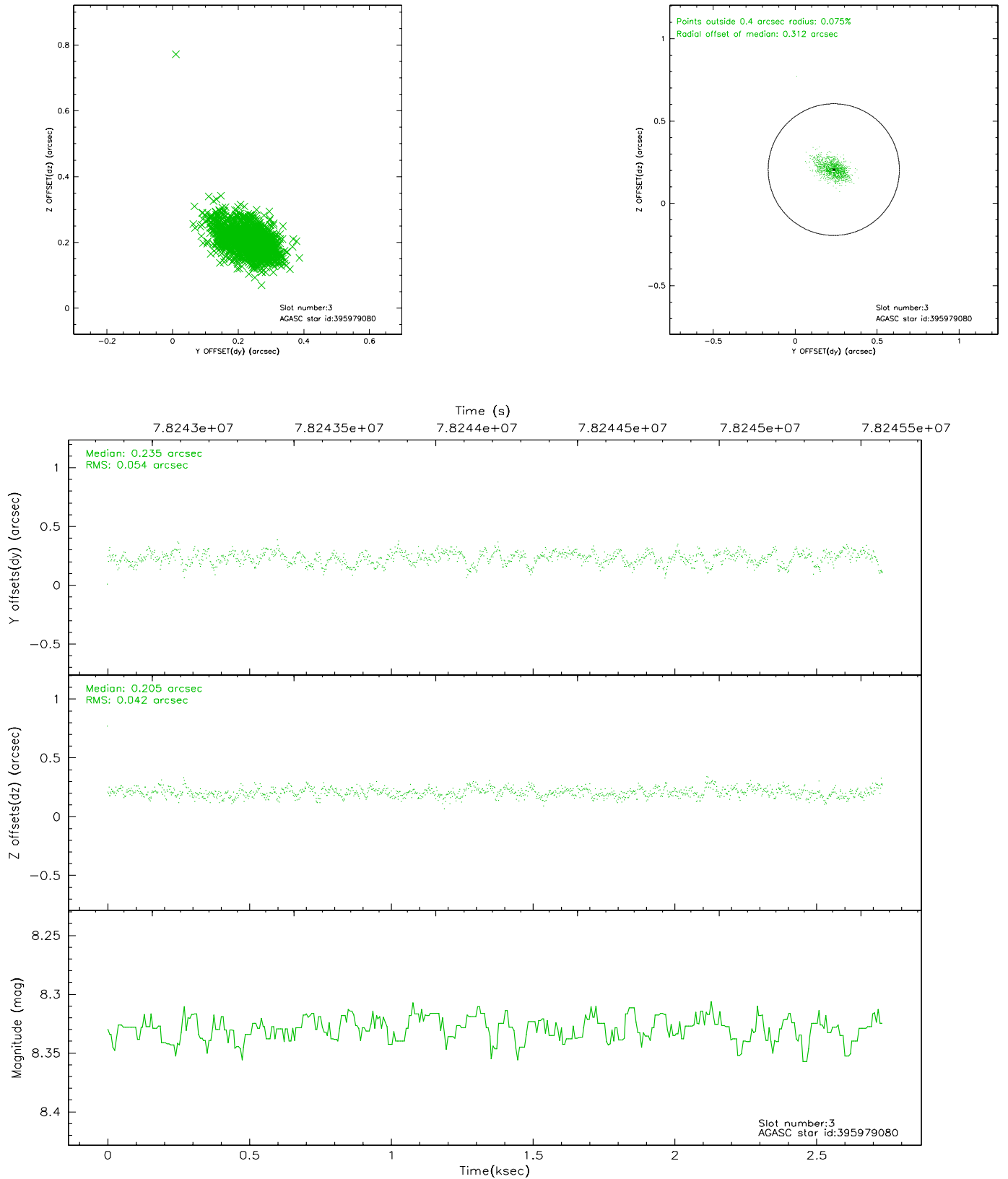


Slot Statistics

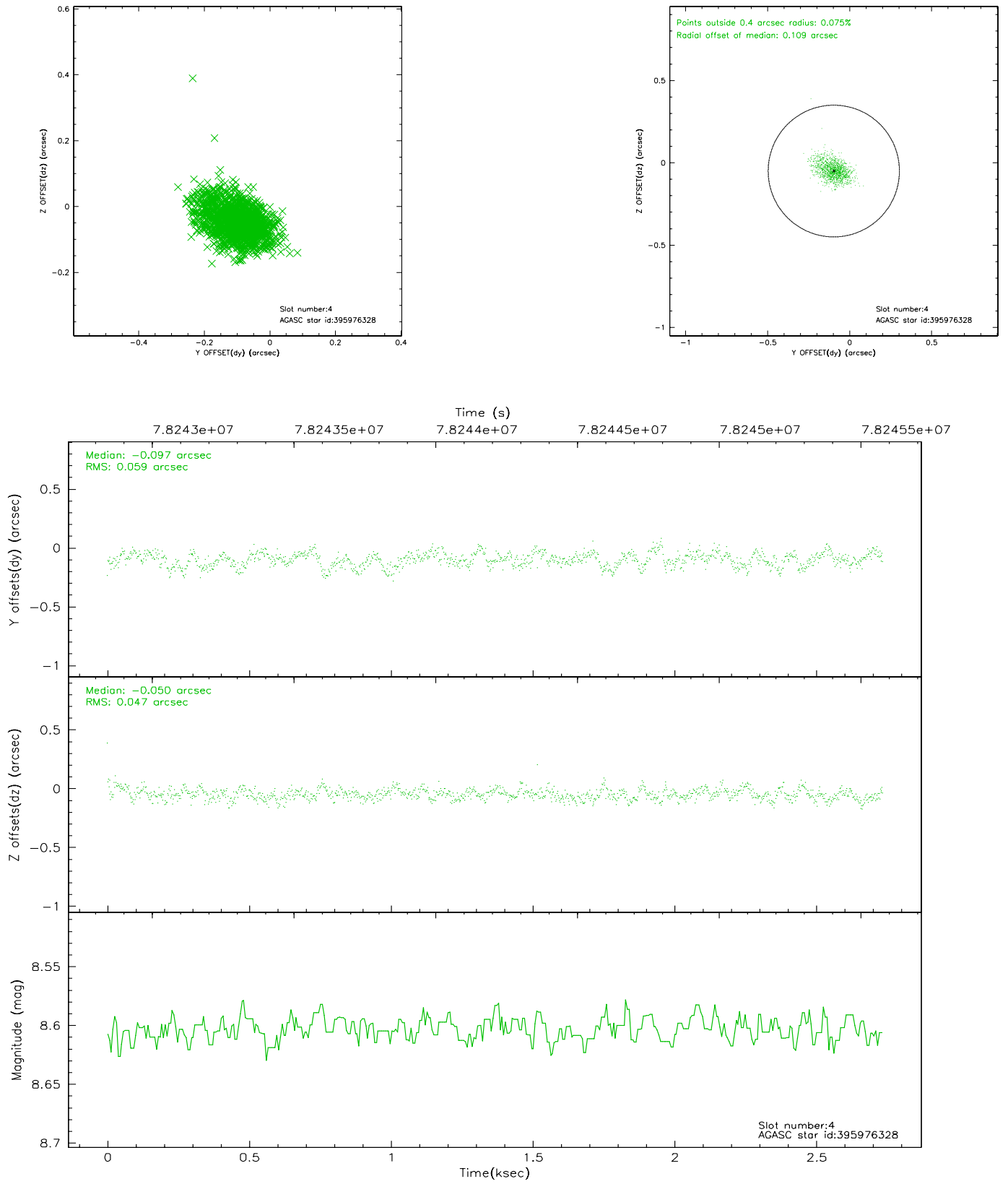
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	667	-0.024	0.020	0.006	0.010	0.000000	0.000000	-753.99	-1725.96
1	FID	ACIS-S-4	7.21	667	-0.043	0.006	0.004	0.008	0.000000	0.000000	2158.21	180.09
2	FID	ACIS-S-5	7.24	667	0.036	-0.017	0.006	0.009	0.000000	0.000000	-1803.74	176.41
3	GUIDE	395979080	8.33	1333	0.235	0.205	0.070	0.121	192.994549	40.241521	2369.91	2258.37
4	GUIDE	395976328	8.60	1334	-0.097	-0.050	0.078	0.131	193.402586	40.890368	-211.04	2077.41
5	GUIDE	396238456	8.85	1334	-0.138	-0.216	0.082	0.129	192.210514	41.569667	-764.97	-1934.36
6	GUIDE	396232360	9.42	1334	-0.055	0.049	0.084	0.141	192.726371	41.259126	-465.60	-176.53
7	GUIDE	395977376	9.44	1333	0.066	0.006	0.086	0.138	192.809994	40.775894	940.79	874.01

2.4 Star Slots

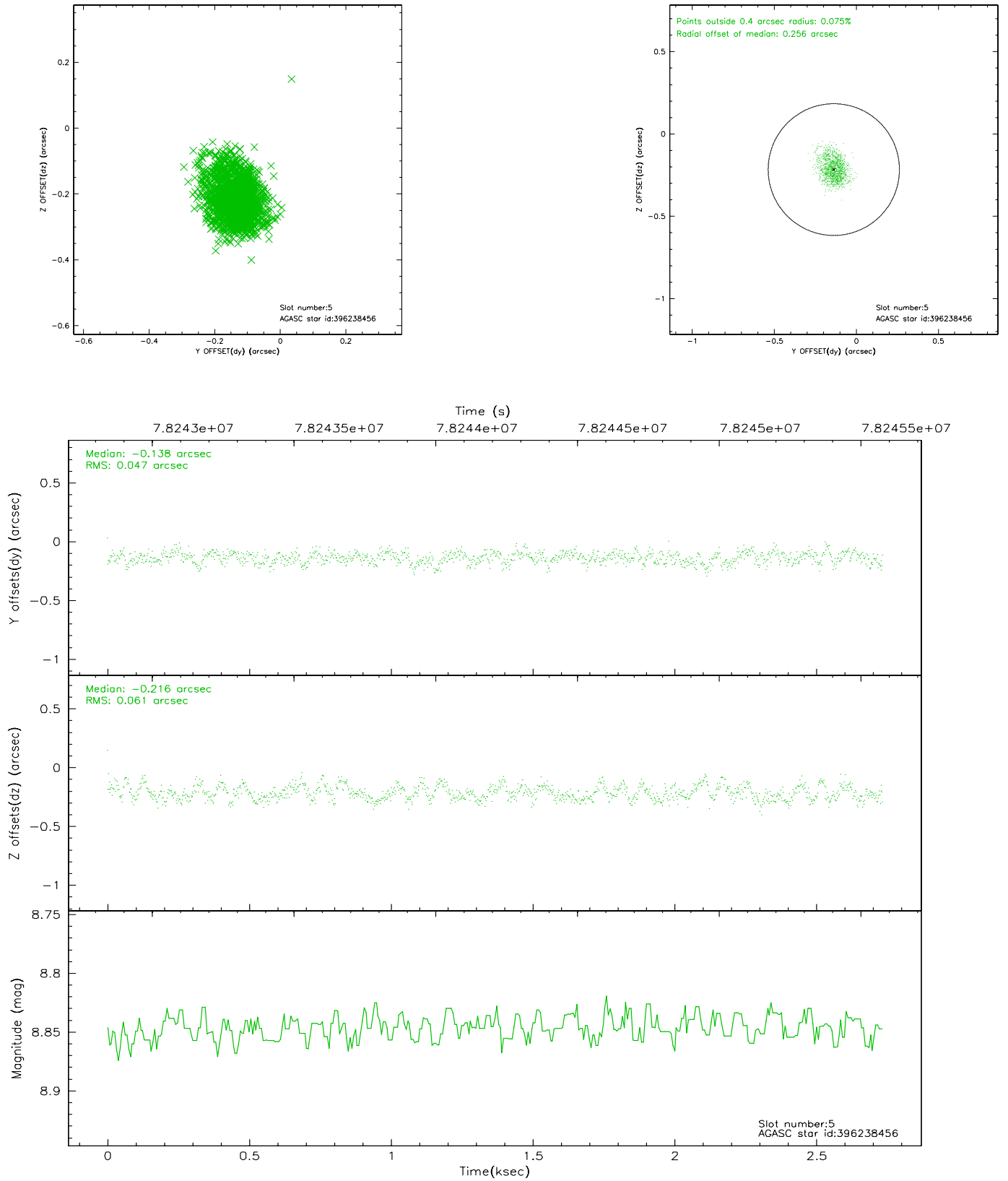
2.4.1 Slot 3



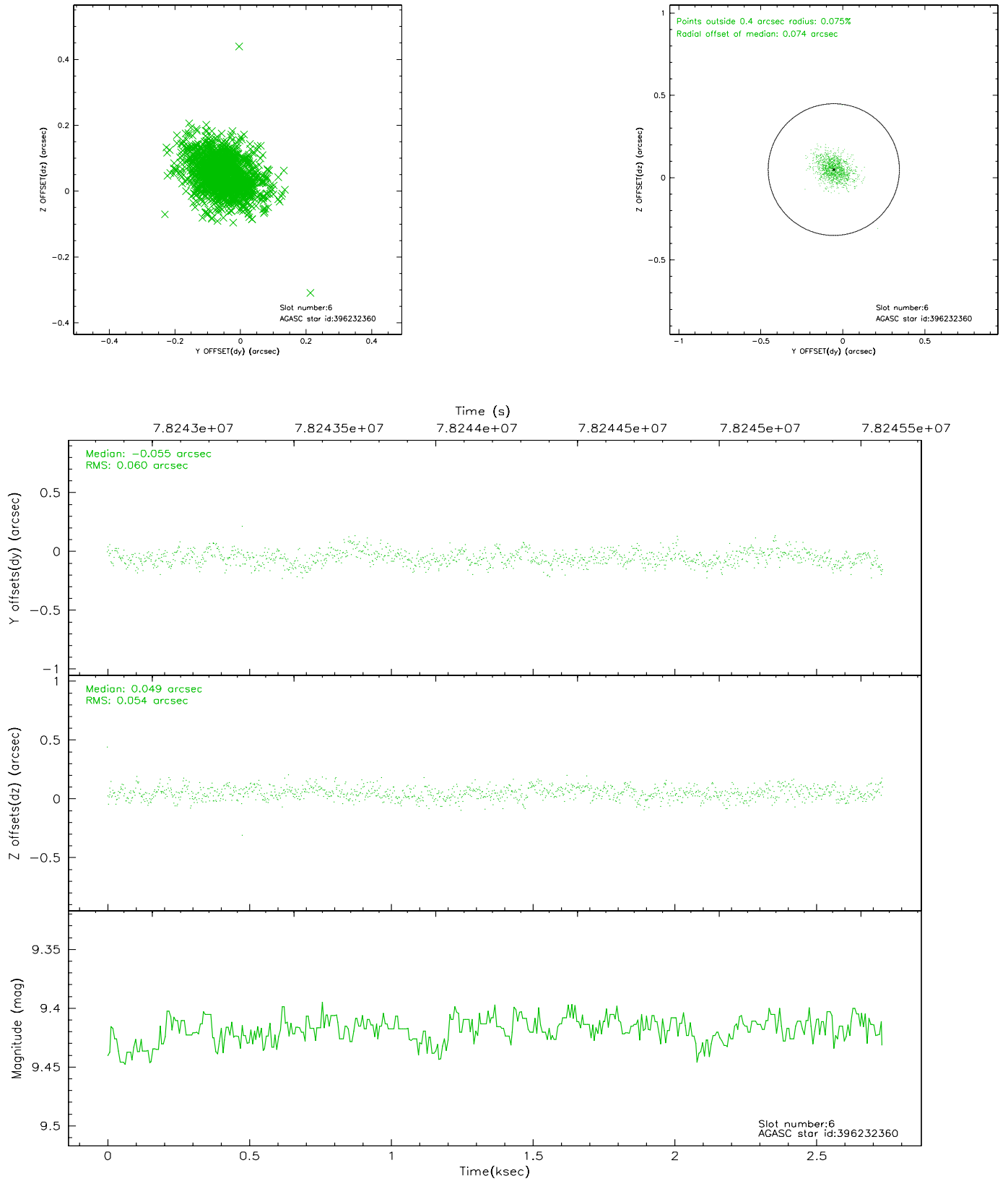
2.4.2 Slot 4



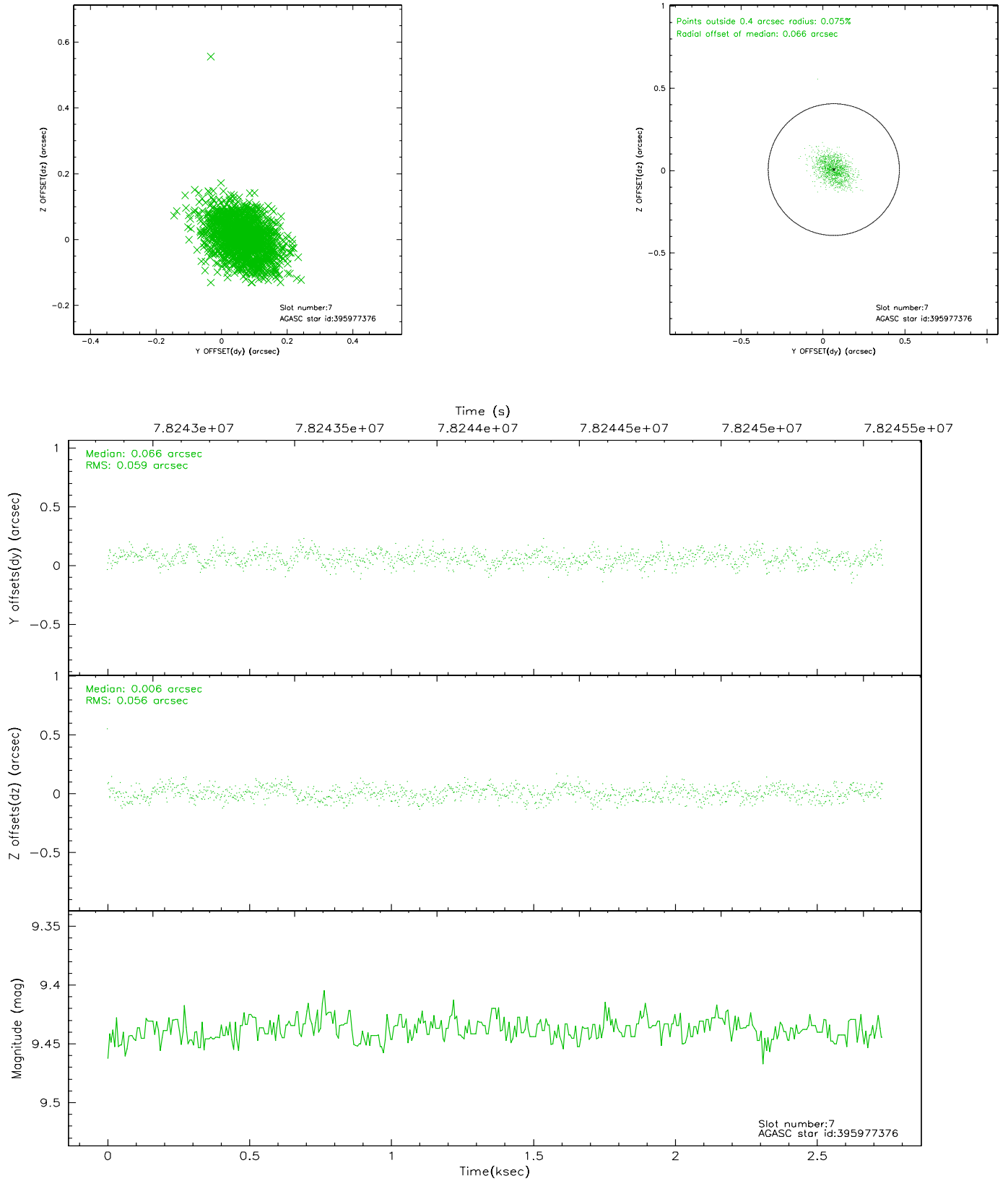
2.4.3 Slot 5



2.4.4 Slot 6

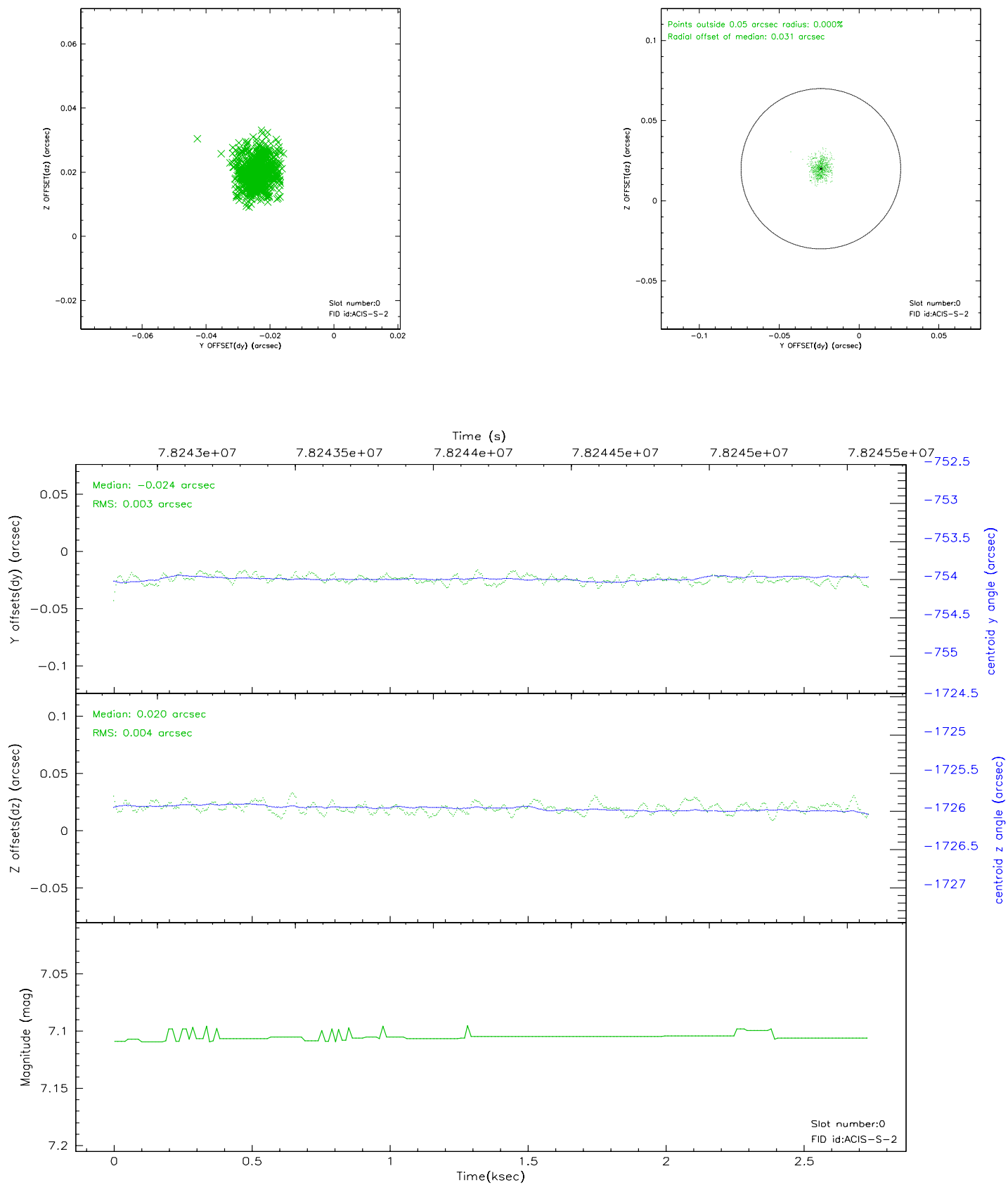


2.4.5 Slot 7

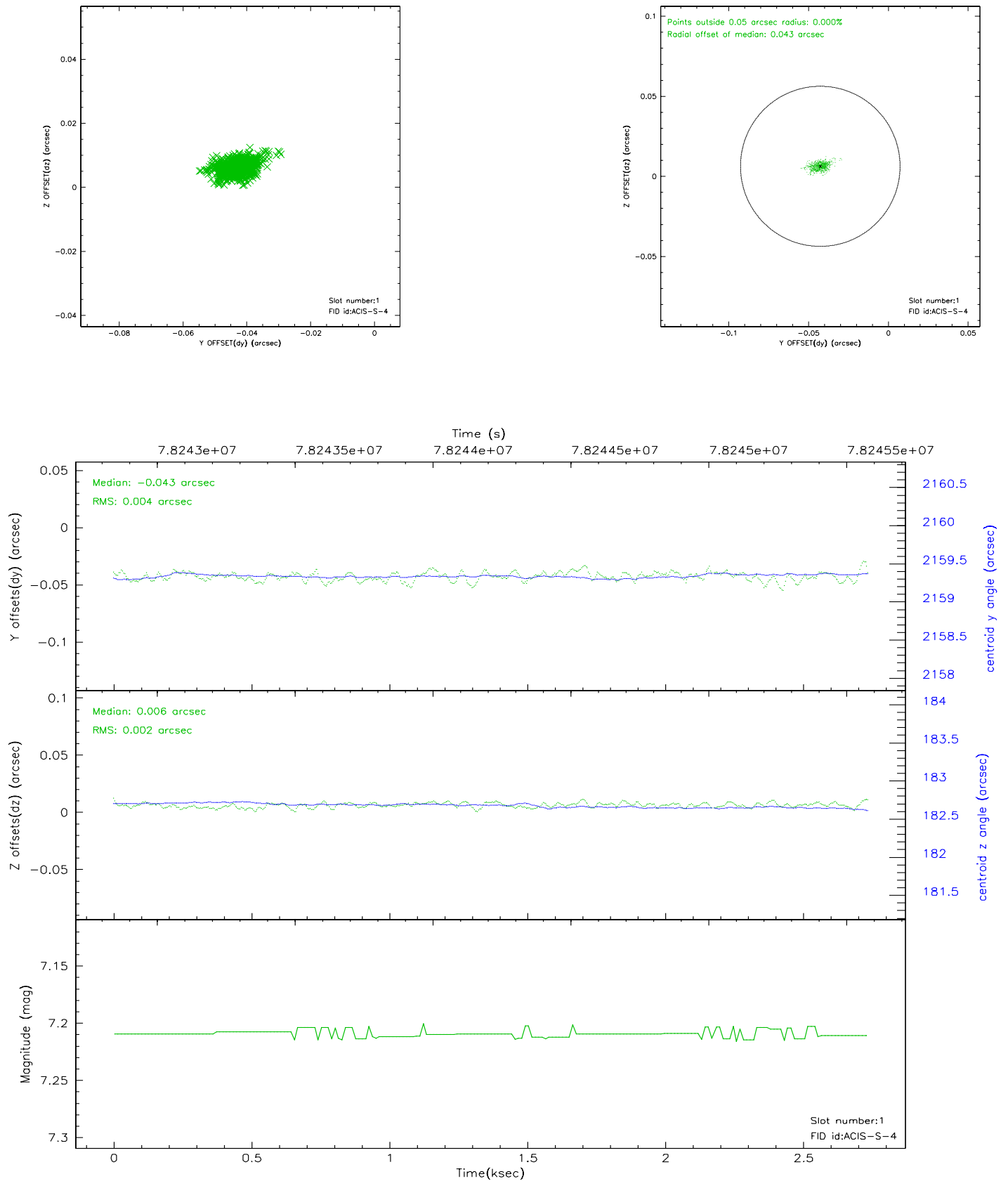


2.5 FID Slots

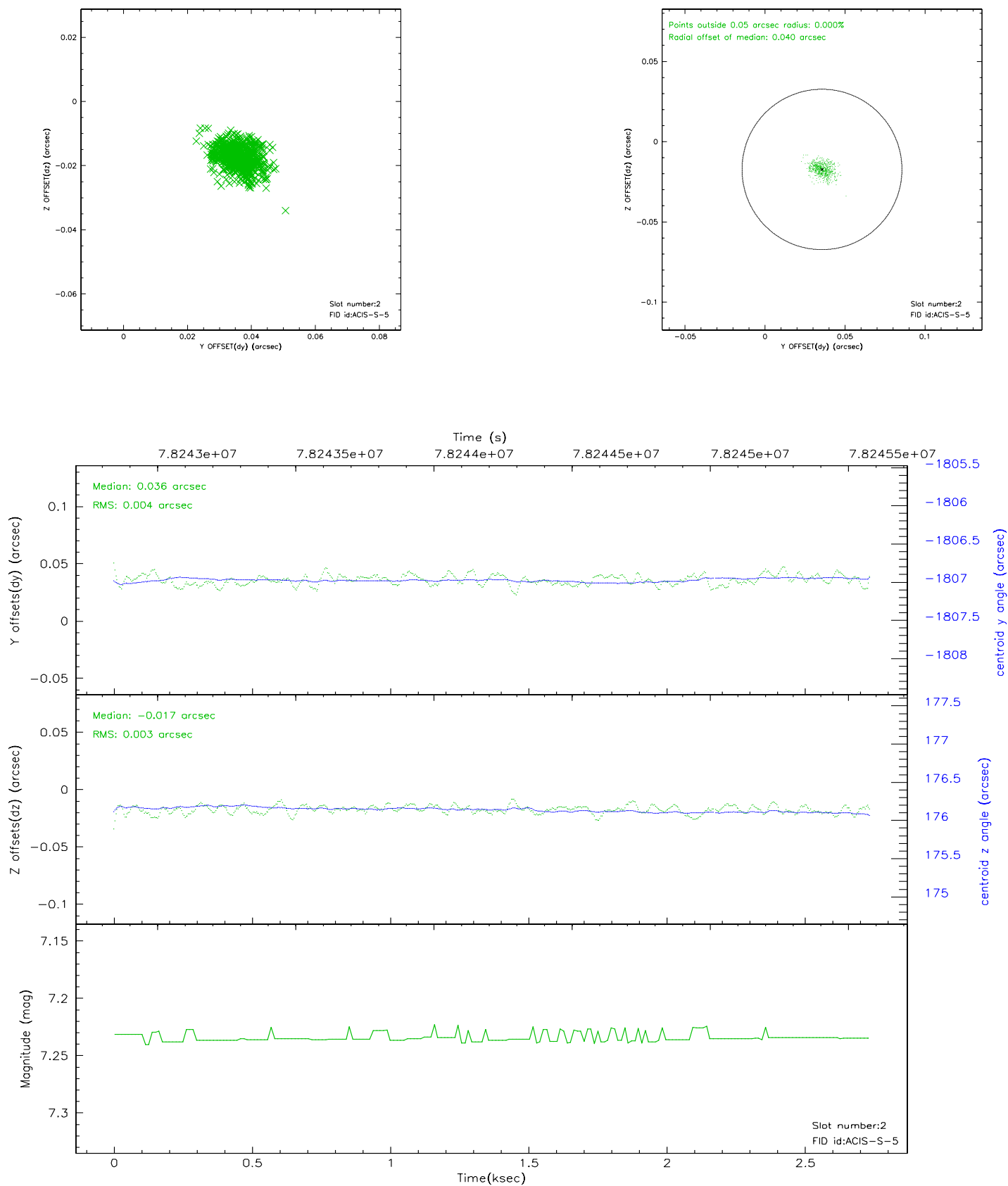
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

18.04 arcmin



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.05.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.432

A.2 Comments