

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4446 - L2 Version 001  
Chandra X-Ray Center

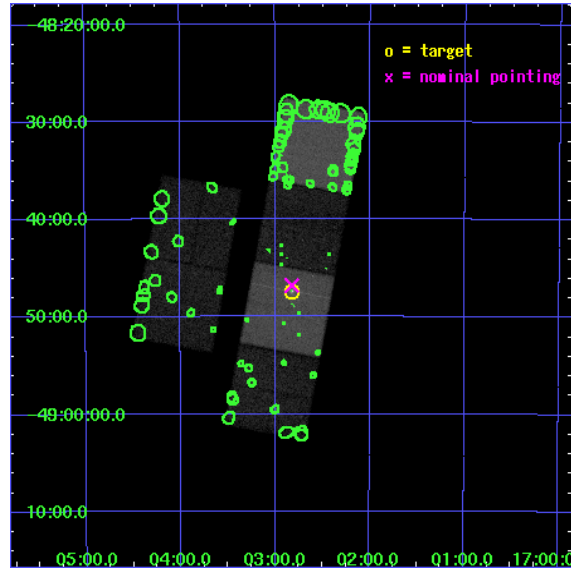
L2 Processing Date : Jun 4 2006

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# 1 Front

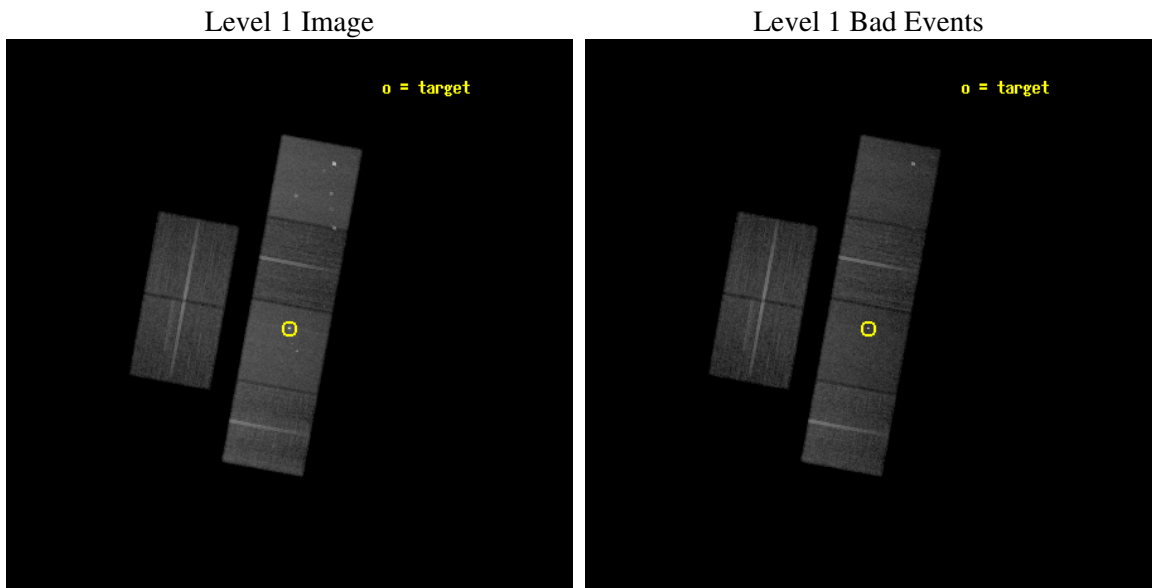
seq_num	400326
obs_id	4446
title	The large-scale relativistic jet and low-luminosity spectrum of GX 339-4
observer	Prof. Rob Fender
object	GX 339-4
dtcycle	0
cycle	P
ra_targ	255.705833
dec_targ	-48.789806
ra_nom	255.70570994673
dec_nom	-48.780165711736
roll_nom	100.51026982666
revision	2
ontime	29753.599889159
livetime	29376.841891896
ontime2	29753.599889159
ontime3	29753.599889159
ontime5	29753.599889159
ontime6	29753.599889159
ontime7	29753.599889159
ontime8	29743.877028167
l2events	304094



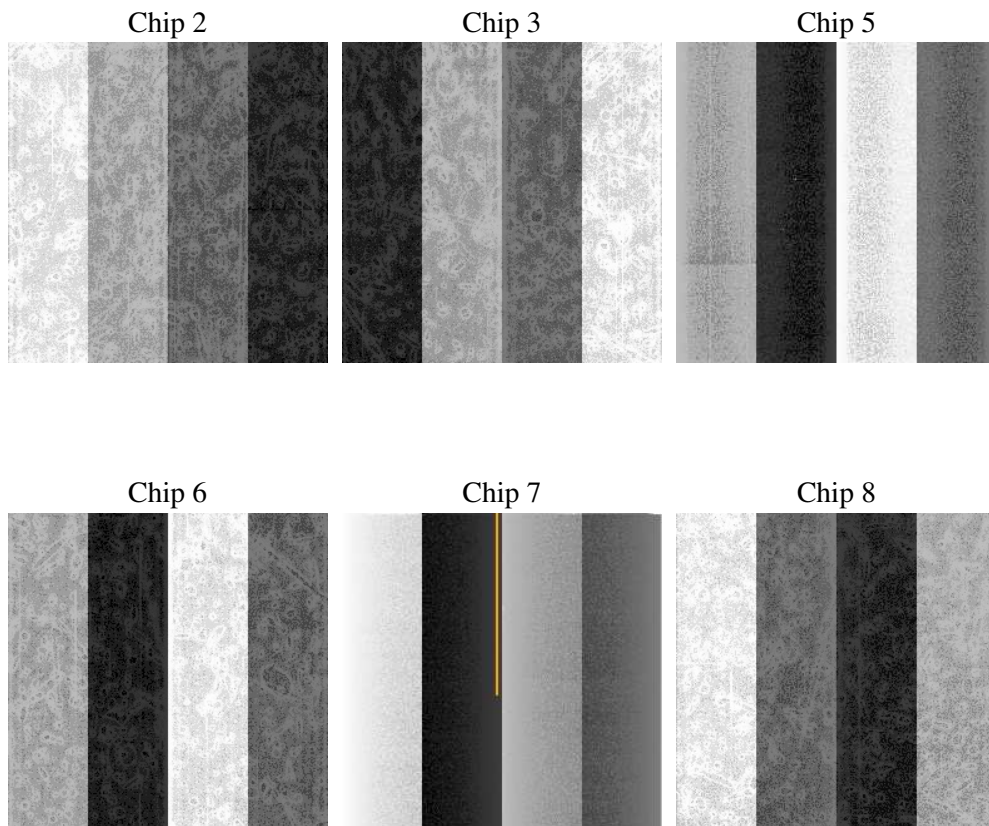
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.2
date	2006-06-04T10:40:54
revision	2

sched_exp_time	30000.000000
ontime	29758.876560658
ontime2	29758.876560658
ontime3	29758.876560658
ontime5	29758.876560658
ontime6	29758.876560658
ontime7	29758.876560658
ontime8	29749.153600097
l1events	1313864

### 2.1.4 Events

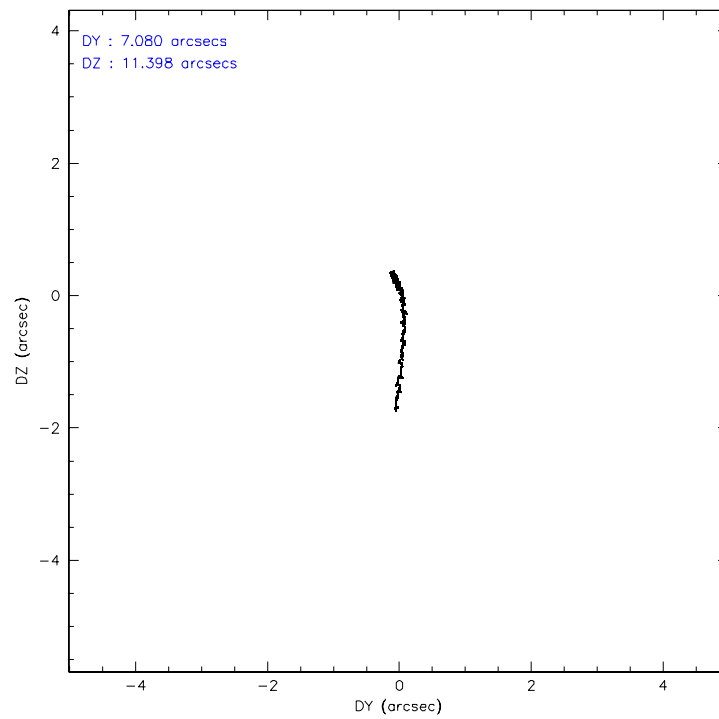
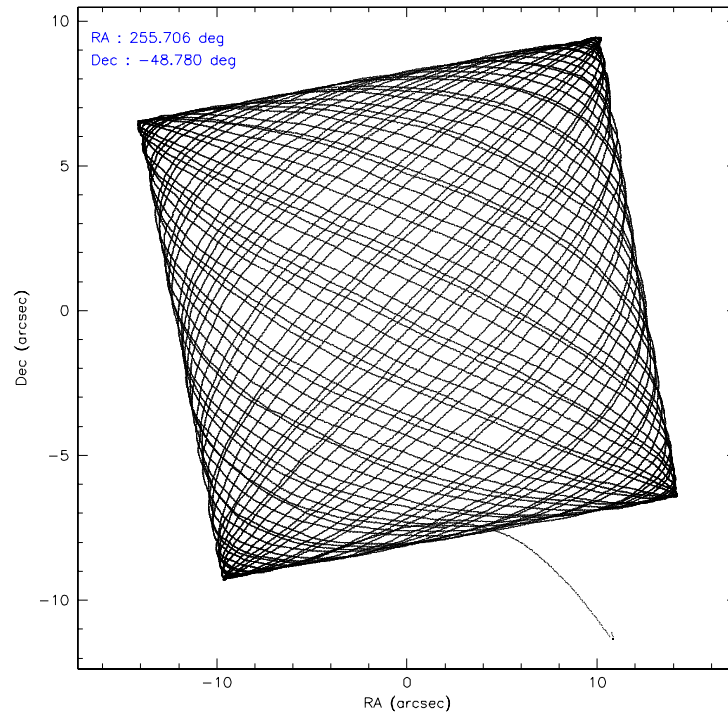
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	182224	173016	279138	181080	268617	229789
rejected events	159418	150769	153279	157298	159576	180773
rejected %	87%	87%	54%	86%	59%	78%

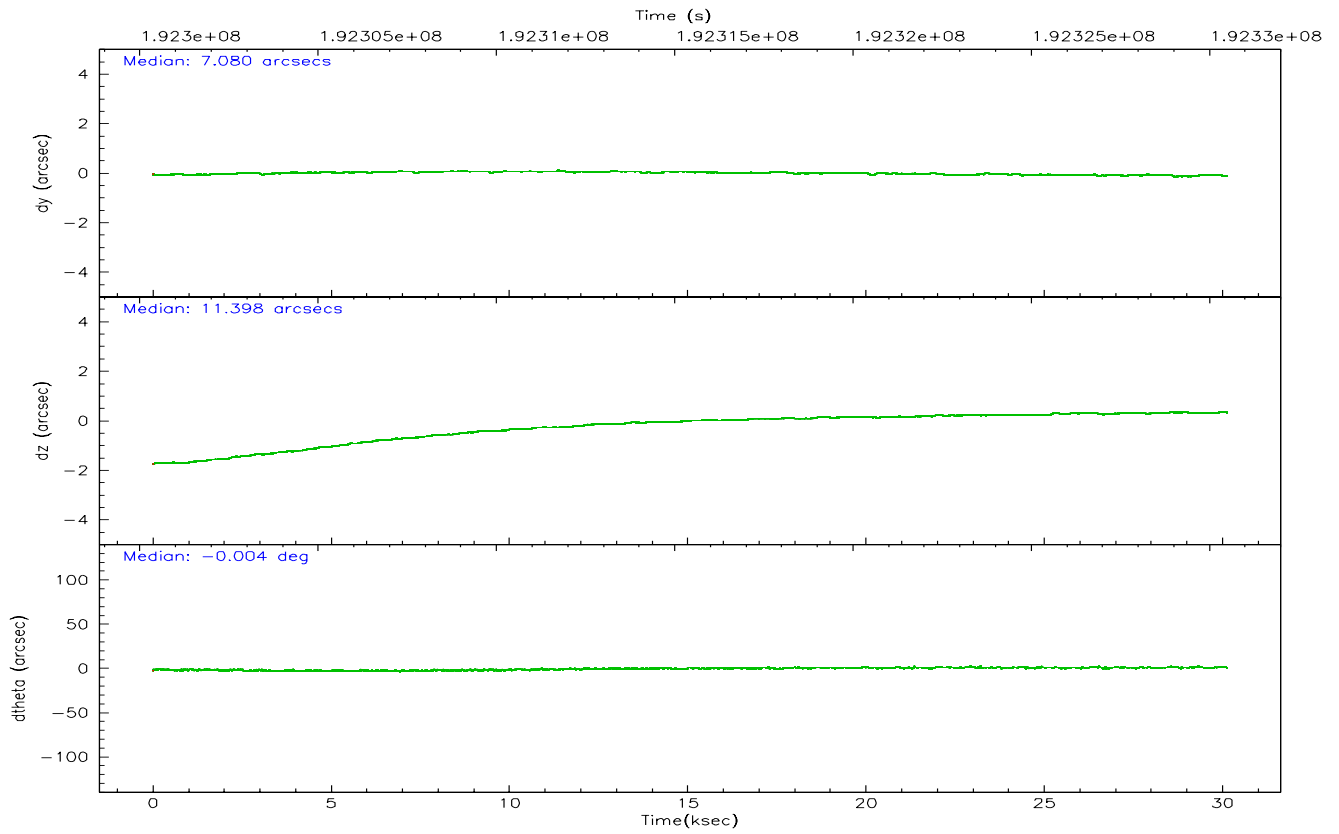
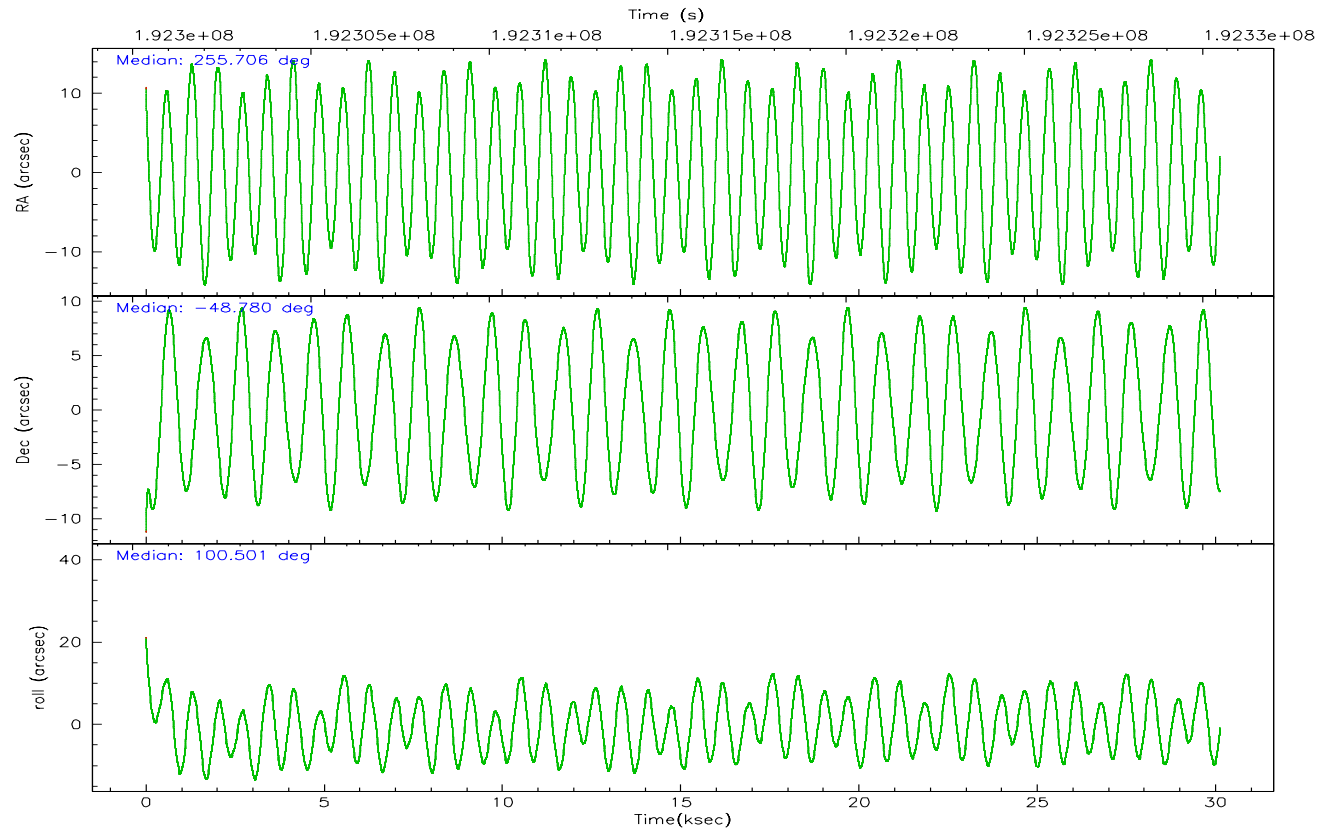
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	10490	10339	10863	10362	8402	16358
	5%	5%	3%	5%	3%	7%
grade 1 events	106	117	2011	99	290	142
	0%	0%	0%	0%	0%	0%
grade 2 events	4526	4100	40204	4682	26928	10479
	2%	2%	14%	2%	10%	4%
grade 3 events	2049	2065	2855	2178	6086	5142
	1%	1%	1%	1%	2%	2%
grade 4 events	2056	2005	2755	2150	5927	4869
	1%	1%	0%	1%	2%	2%
grade 5 events	7275	7963	12829	8405	17186	10594
	3%	4%	4%	4%	6%	4%
grade 6 events	3688	3741	69209	4413	61717	12170
	2%	2%	24%	2%	22%	5%
grade 7 events	152034	142686	138412	148791	142081	170035
	83%	82%	49%	82%	52%	73%

## 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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	255.733007	255.7057099467259	Alternating exposures requested	N	N
Pointing Dec	-48.800603	-48.7801657117356	Primary exposure time	0.000000	3.2
Pointing Roll	100.374175	100.5102698266556			
Window start time	191246464.184000	191246464.184000			
Window stop time	192888064.184000	192888064.184000			
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	192300501.184000	192299322.99113			
Observation start date	2004-02-04T16:47:17	2004-02-04T16:28:42			
Observation end time	192330501.184000	192331570.00504			
Observation end date	2004-02-05T01:07:17	2004-02-05T01:26:10			
Read mode	TIMED	TIMED			

## 2.3 Aspect





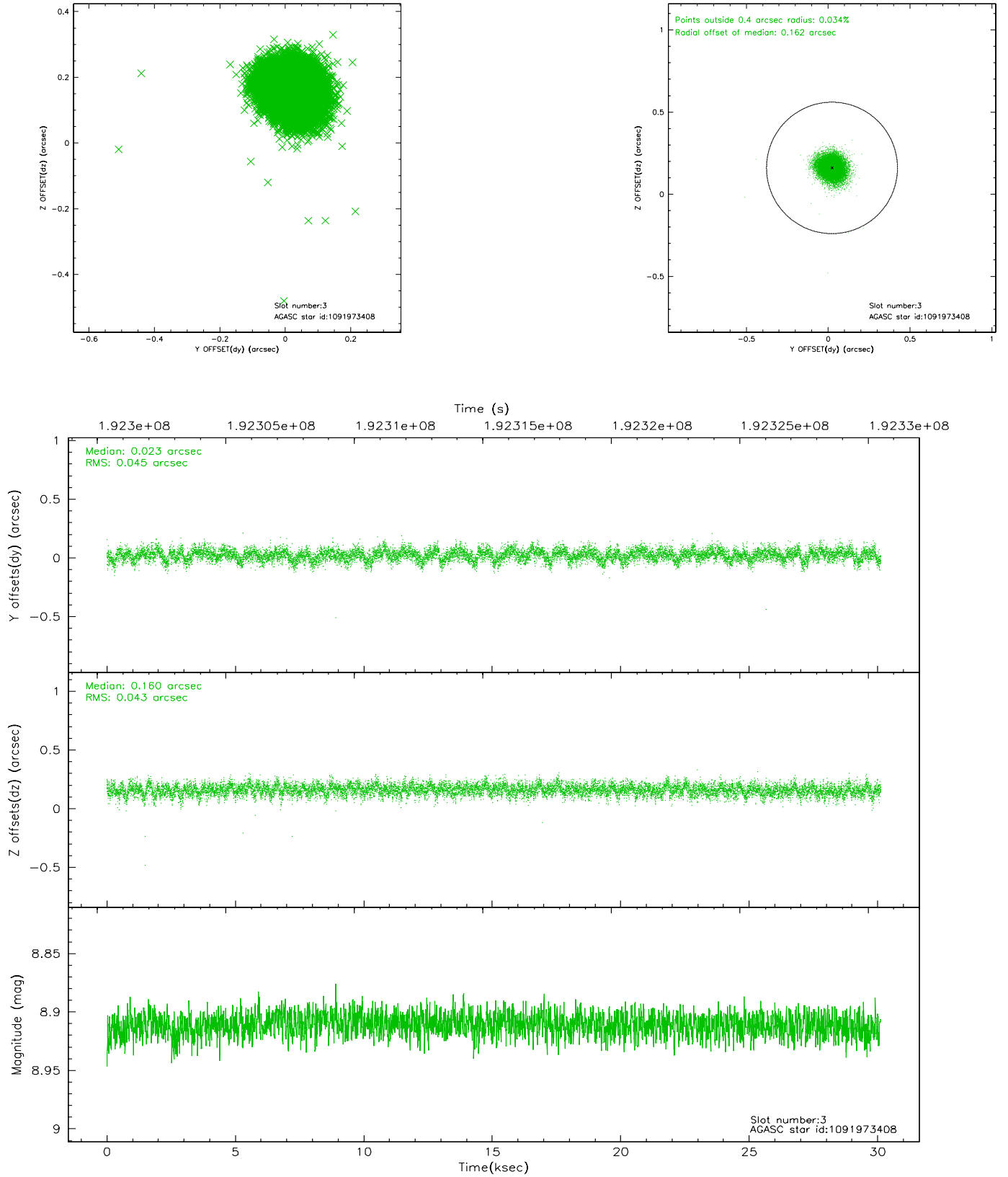
### Slot Statistics

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	7350	-0.020	0.017	0.014	0.020	0.000000	0.000000	-759.83	-1732.39
1	FID	ACIS-S-4	7.20	7350	0.013	0.006	0.015	0.024	0.000000	0.000000	2153.43	176.03
2	FID	ACIS-S-5	7.23	7349	-0.022	-0.014	0.010	0.018	0.000000	0.000000	-1812.60	169.73
3	GUIDE	1091973408	8.91	14692	0.023	0.160	0.066	0.107	255.800233	-48.601800	675.45	-286.14
4	GUIDE	1091975392	6.42	14699	-0.039	0.082	0.048	0.076	255.805002	-48.336791	1611.69	-469.94
5	GUIDE	1092111344	9.96	14692	-0.180	0.245	0.117	0.188	256.132869	-48.213784	1903.26	-1323.15
6	GUIDE	1092491384	9.13	14685	0.218	-0.018	0.080	0.128	254.923973	-49.184437	-1026.12	2122.84
7	GUIDE	1092485728	6.89	14698	-0.021	-0.477	0.070	0.122	254.773222	-48.875124	131.05	2285.77

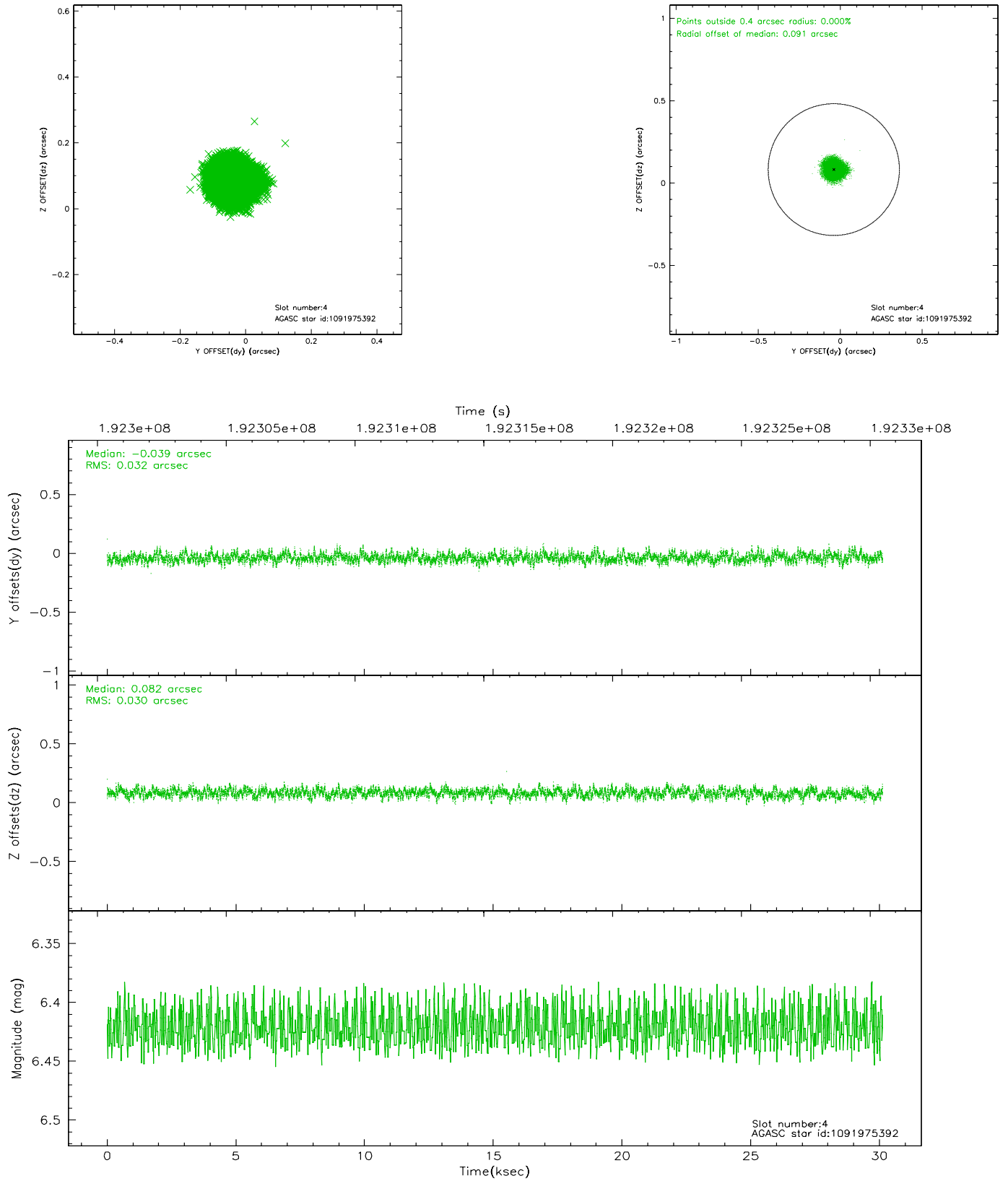


## 2.4 Star Slots

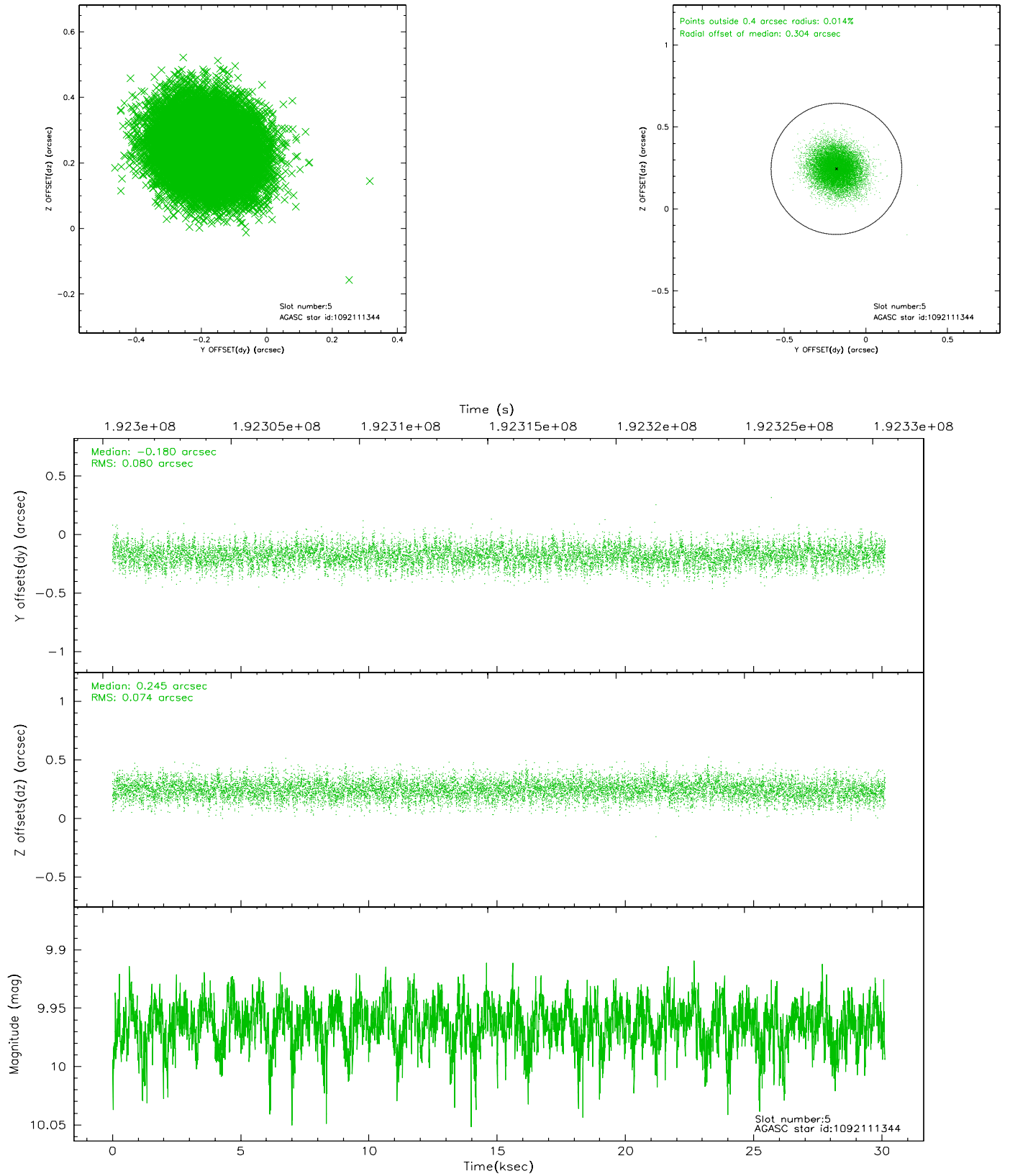
### 2.4.1 Slot 3



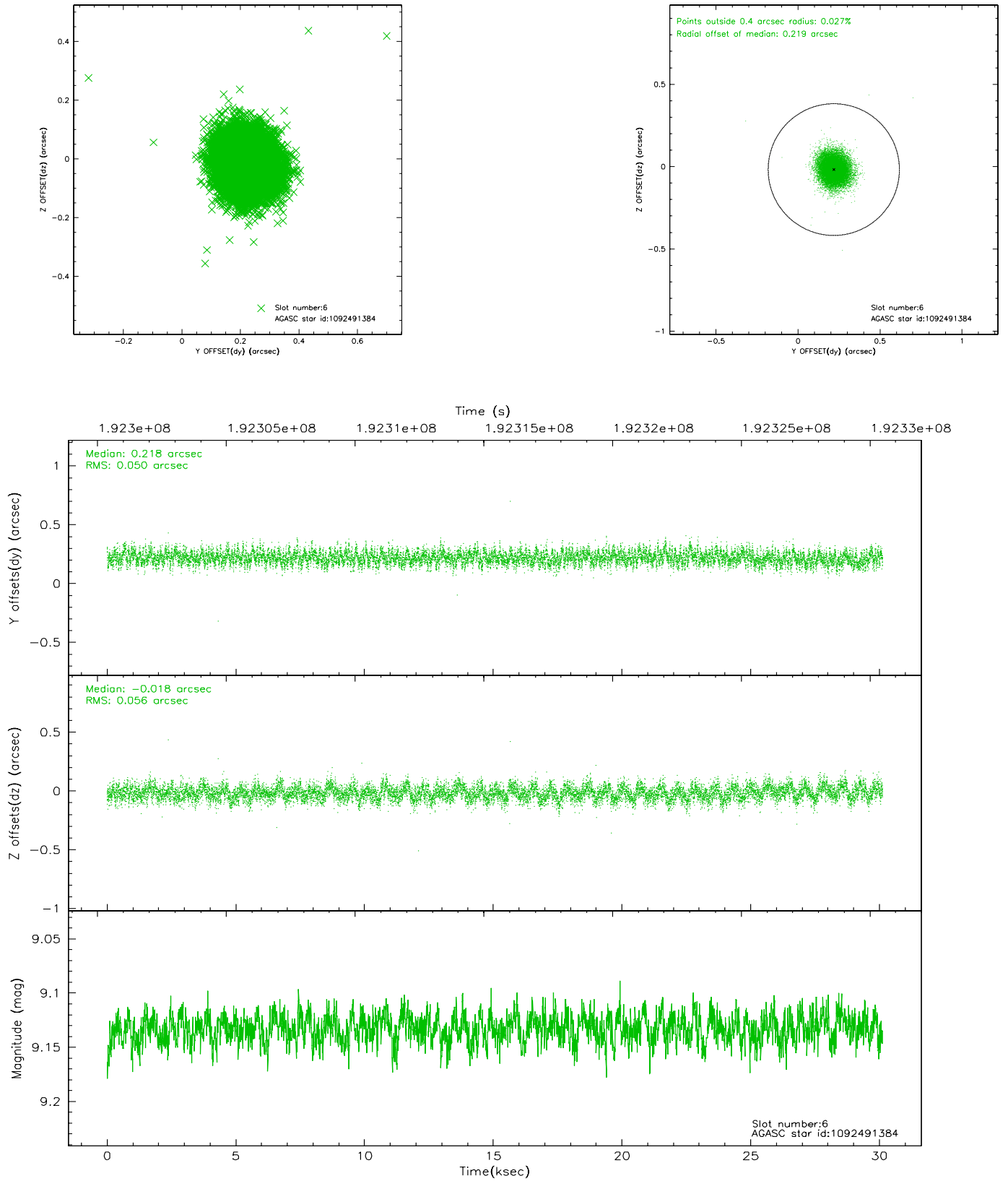
## 2.4.2 Slot 4



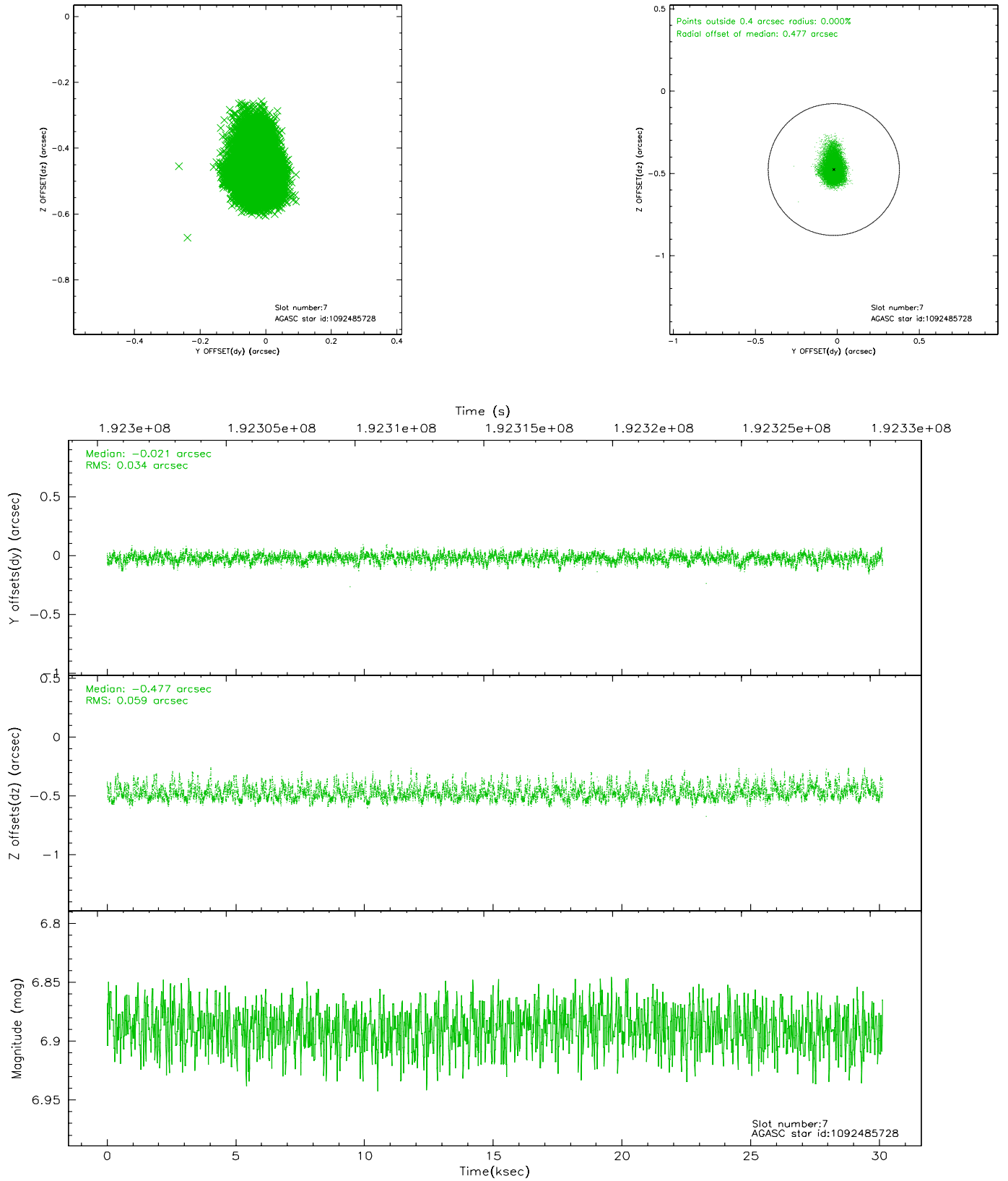
### 2.4.3 Slot 5



## 2.4.4 Slot 6

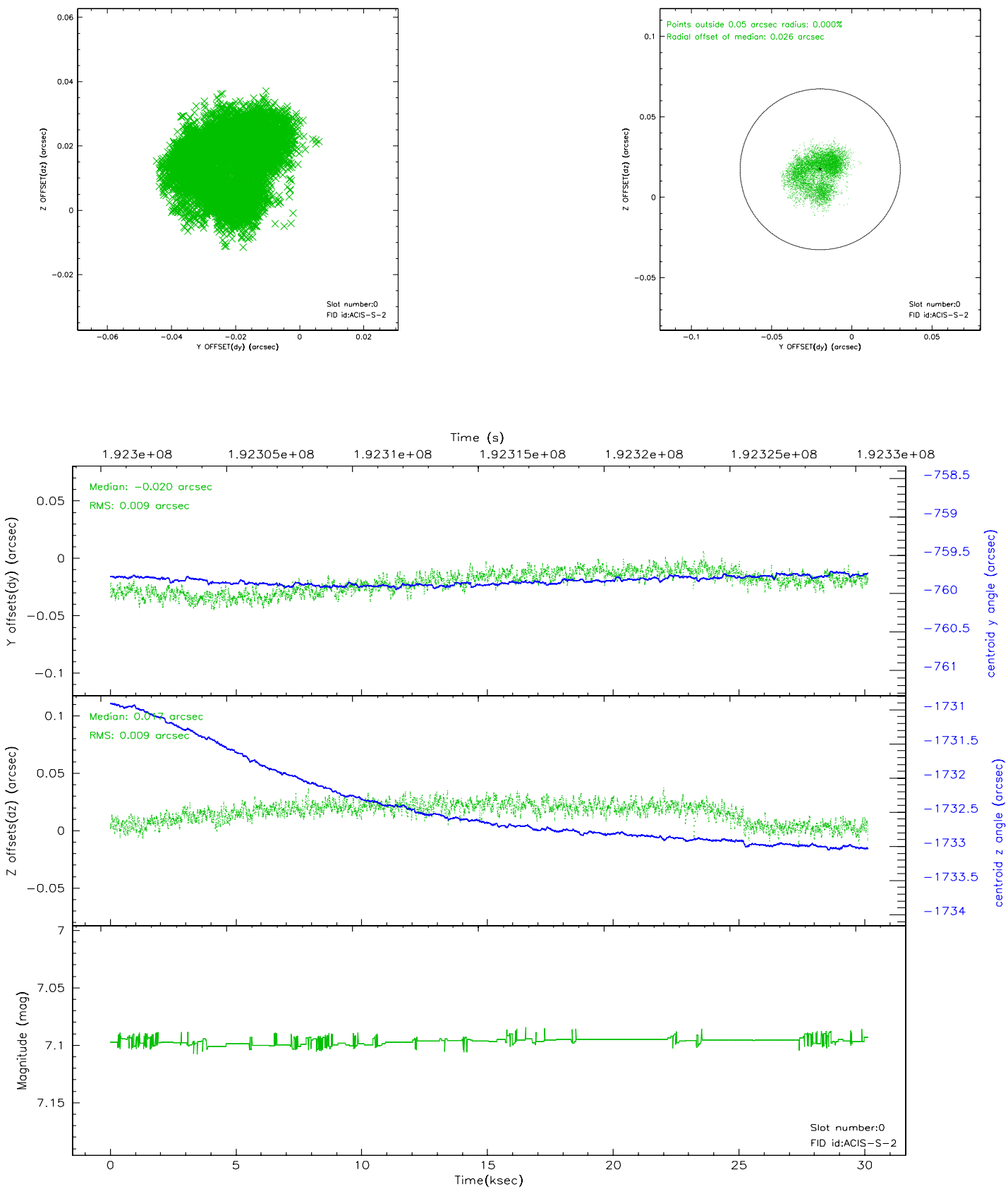


## 2.4.5 Slot 7

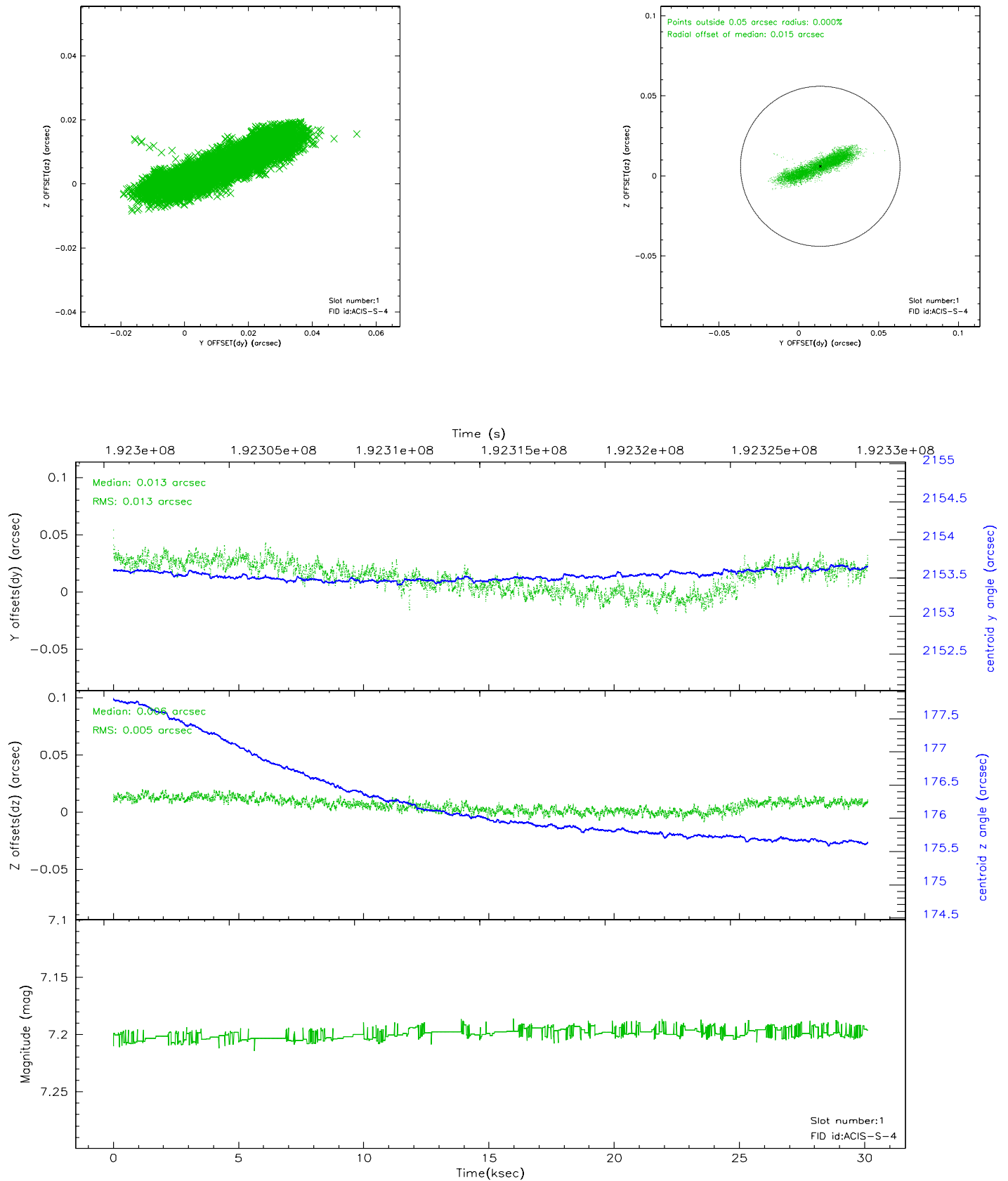


## 2.5 FID Slots

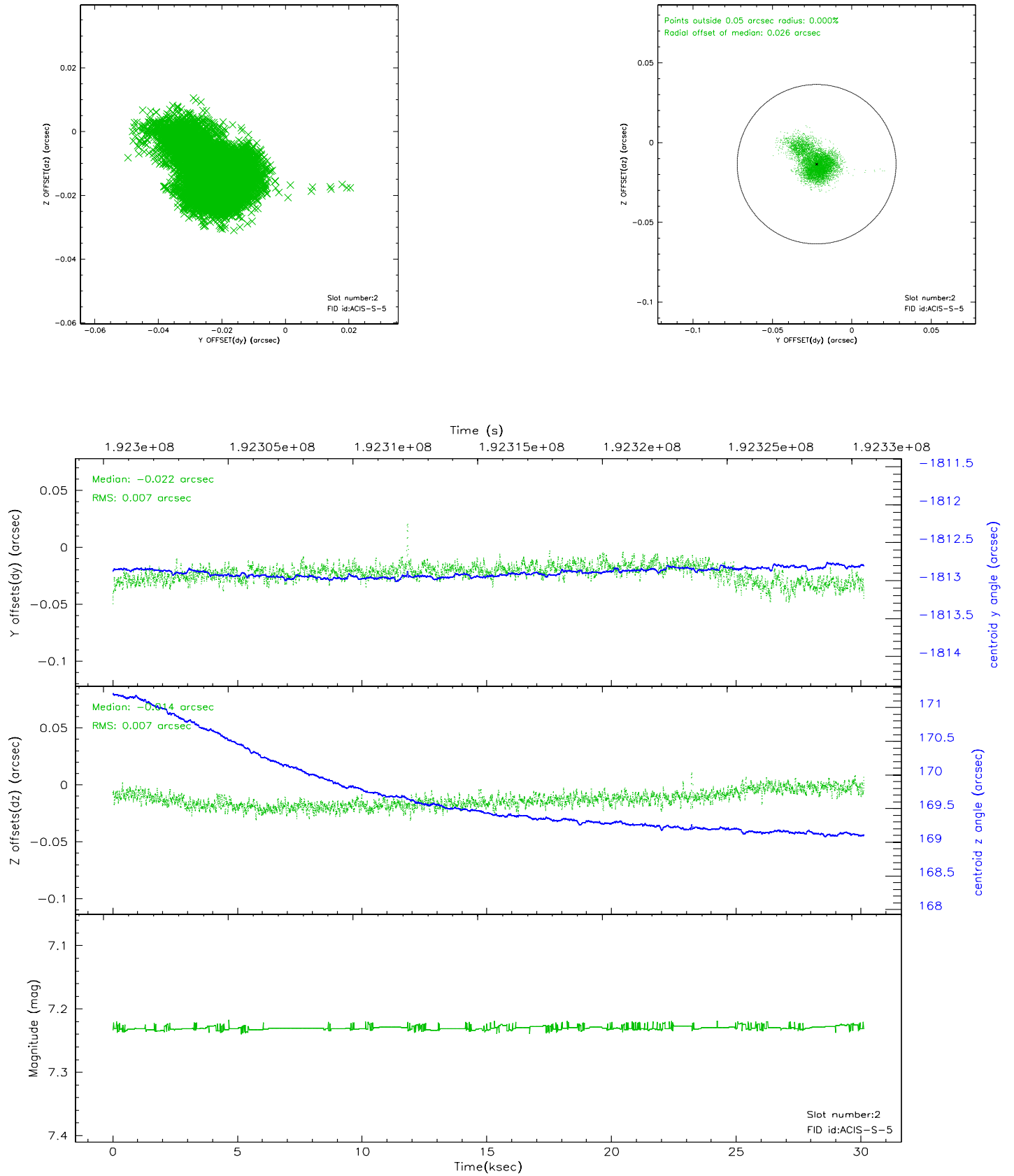
### 2.5.1 Slot 0



## 2.5.2 Slot 1

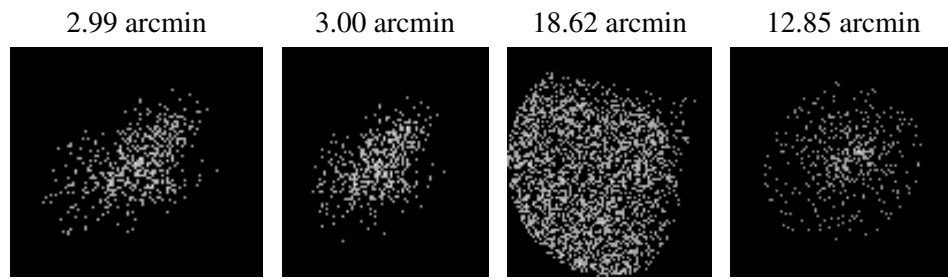


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.756

### A.2 Comments

Window constraint satisfied.