

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 3778 - L2 Version 001  
Chandra X-Ray Center

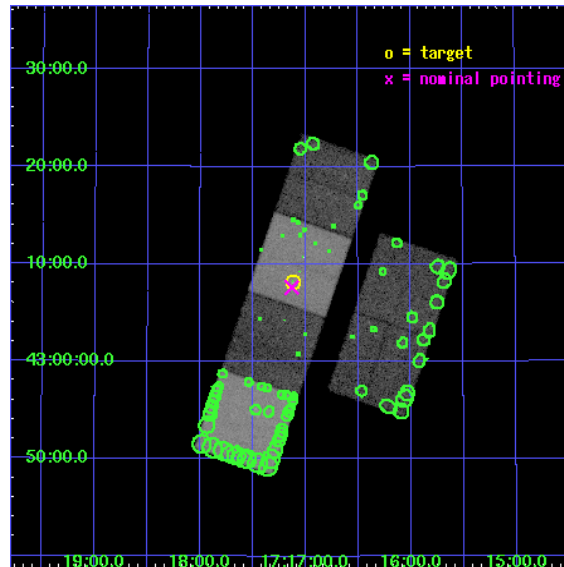
L2 Processing Date : Jul 1 2006

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# 1 Front

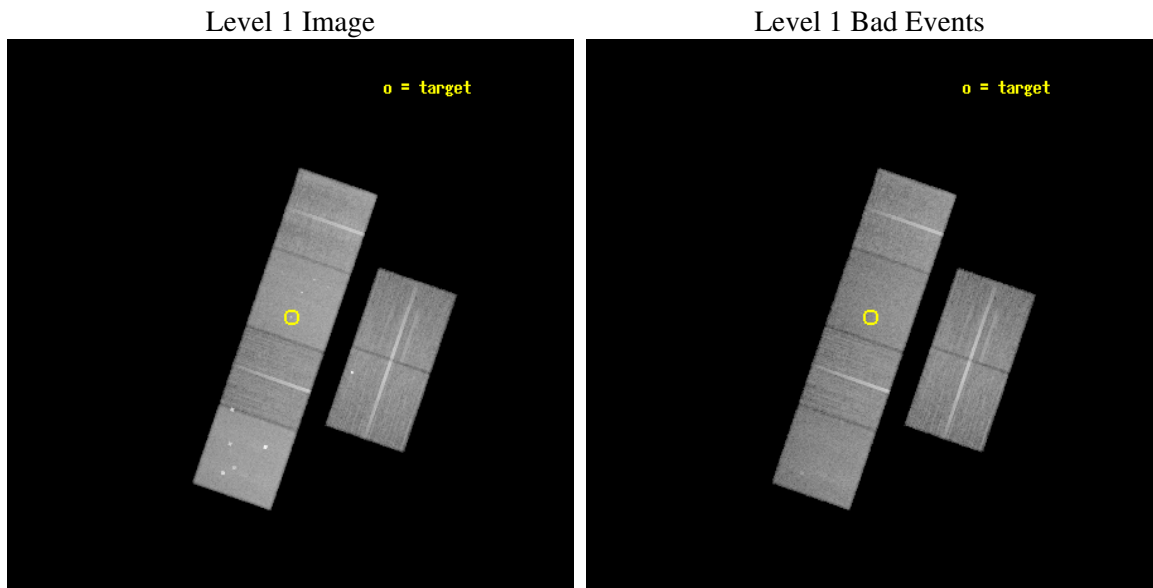
seq_num	300103
obs_id	3778
title	A UNIFORM STUDY OF GLOBULAR CLUSTER X-RAY SOURCES: THE KEY TO CLUSTER DYNAMICAL EVOLUTION
observer	Prof. Walter Lewin
object	NGC 6341
dtcycle	0
cycle	P
ra_targ	259.280417
dec_targ	43.136528
ra_nom	259.28246382696
dec_nom	43.127001621414
roll_nom	288.97717916367
revision	2
ontime	30041.599888086
livetime	29661.195061424
ontime2	30041.599888086
ontime3	30041.599888086
ontime5	30041.599888086
ontime6	30041.599888086
ontime7	30041.599888086
ontime8	30041.599888086
l2events	299691



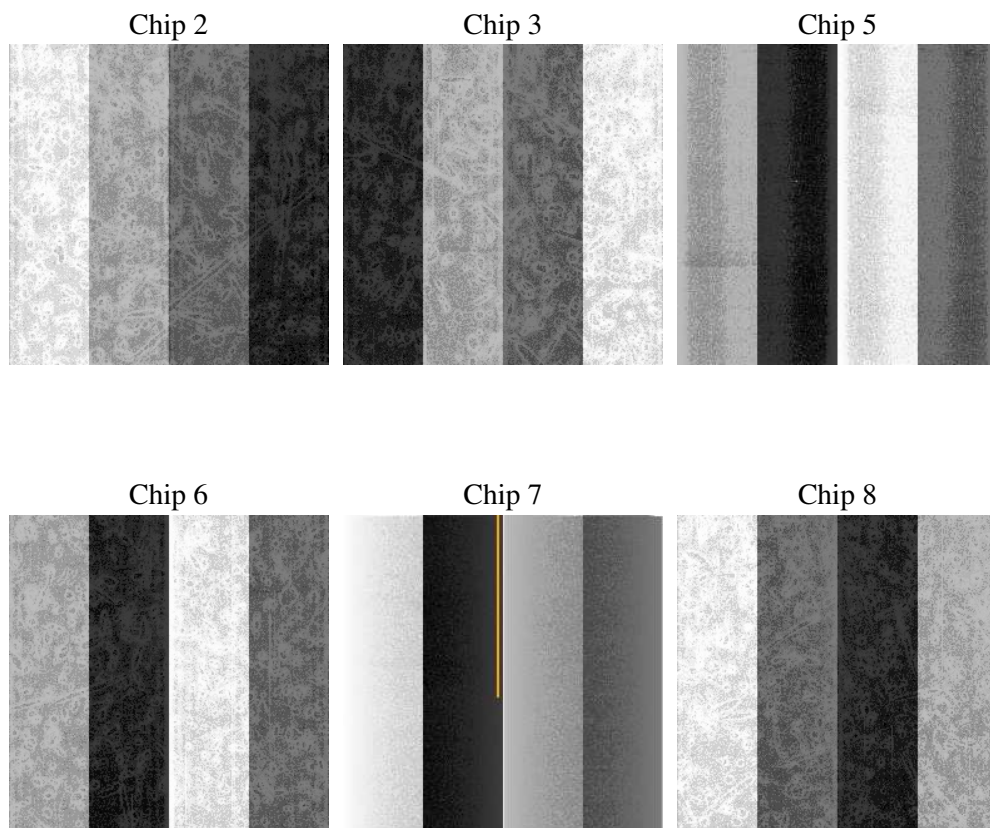
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-07-01T16:57:25
revision	2

sched_exp_time	30046.695000
ontime	30047.319041163
ontime2	30047.319041163
ontime3	30047.319041163
ontime5	30047.319041163
ontime6	30047.319041163
ontime7	30047.319041163
ontime8	30047.319041163
l1events	1376025

### 2.1.4 Events

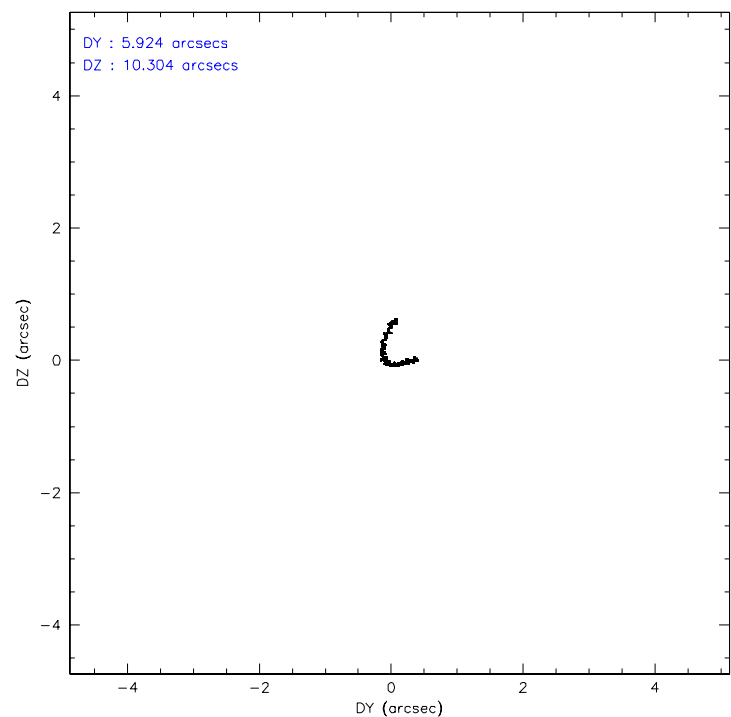
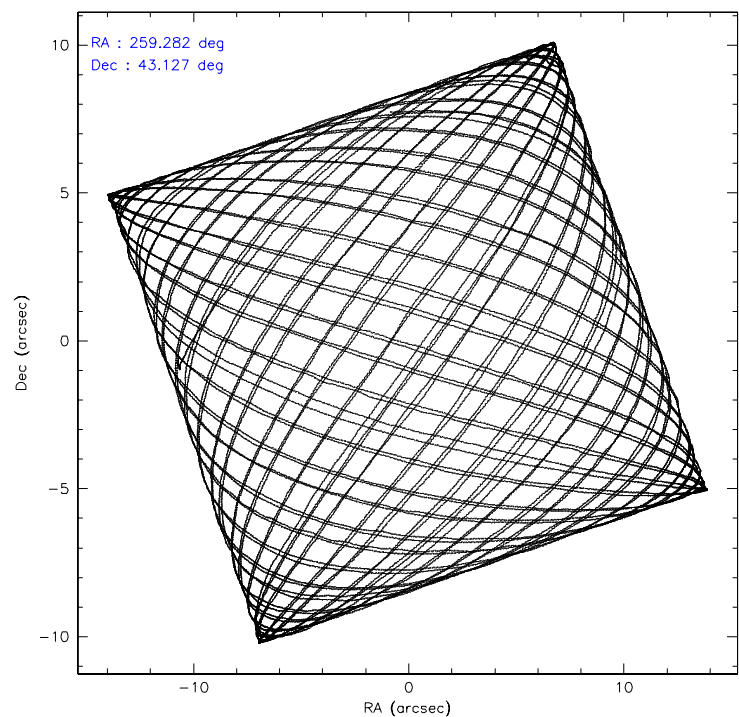
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	200259	185232	289517	196050	260984	243983
rejected events	175230	163305	159038	172848	160275	192511
rejected %	87%	88%	54%	88%	61%	78%

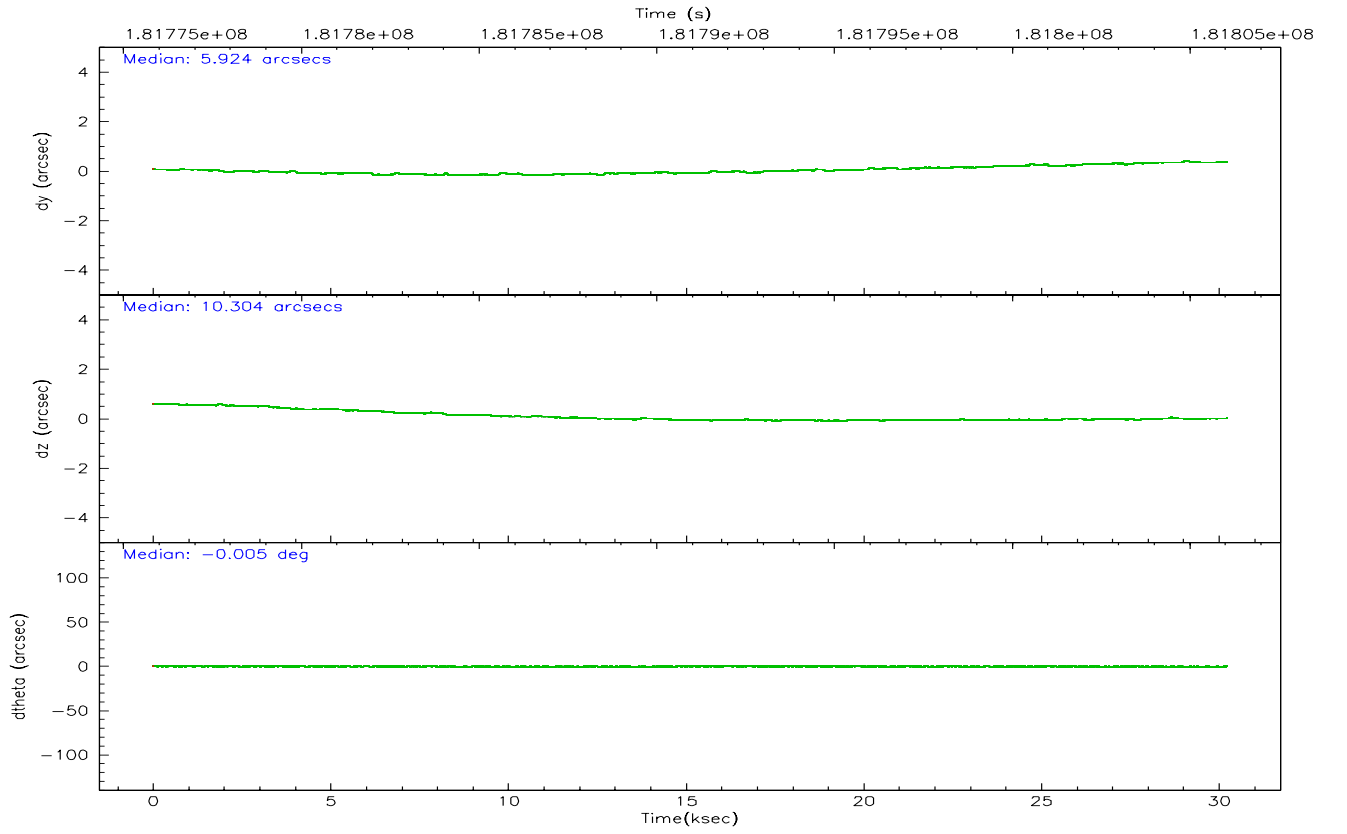
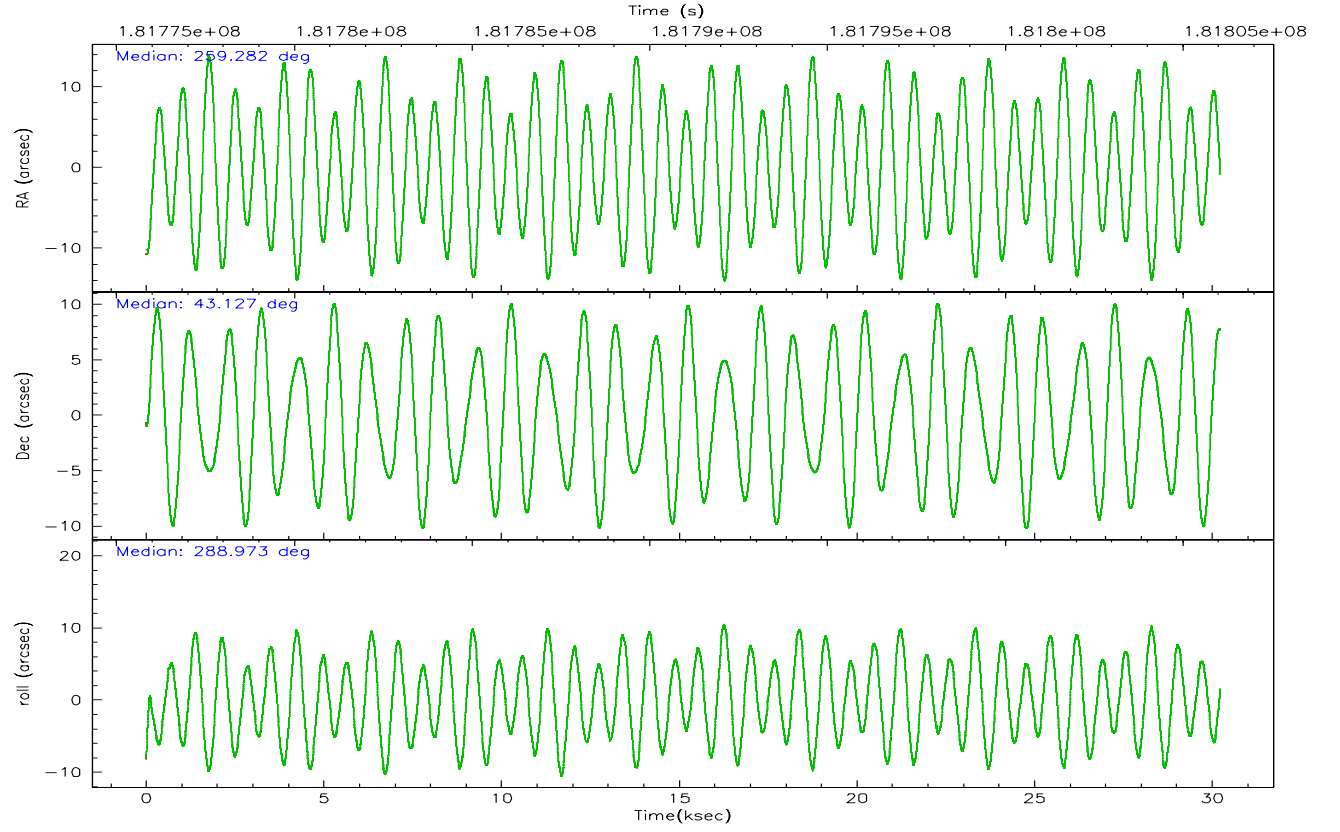
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	12076	9356	14230	9208	6440	16423
	6%	5%	4%	4%	2%	6%
grade 1 events	115	109	281	105	176	167
	0%	0%	0%	0%	0%	0%
grade 2 events	4761	4327	39207	4864	24833	11093
	2%	2%	13%	2%	9%	4%
grade 3 events	2178	2223	2937	2233	5112	5462
	1%	1%	1%	1%	1%	2%
grade 4 events	2225	2196	2756	2268	5238	5208
	1%	1%	0%	1%	2%	2%
grade 5 events	7580	8331	14057	8813	17560	11472
	3%	4%	4%	4%	6%	4%
grade 6 events	3794	3831	71384	4634	59107	13291
	1%	2%	24%	2%	22%	5%
grade 7 events	167530	154859	144665	163925	142518	180867
	83%	83%	49%	83%	54%	74%

## 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	259.253967	259.2824638269614	Alternating exposures requested	N	N
Pointing Dec	43.144560	43.12700162141393	Primary exposure time	0.000000	3.2
Pointing Roll	288.840037	288.9771791636655			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	181776001.184000	181775021.25973			
Observation start date	2003-10-05T21:18:57	2003-10-05T21:03:41			
Observation end time	181806047.184000	181806650.71109			
Observation end date	2003-10-06T05:39:43	2003-10-06T05:50:50			
Read mode	TIMED	TIMED			

2.3 Aspect





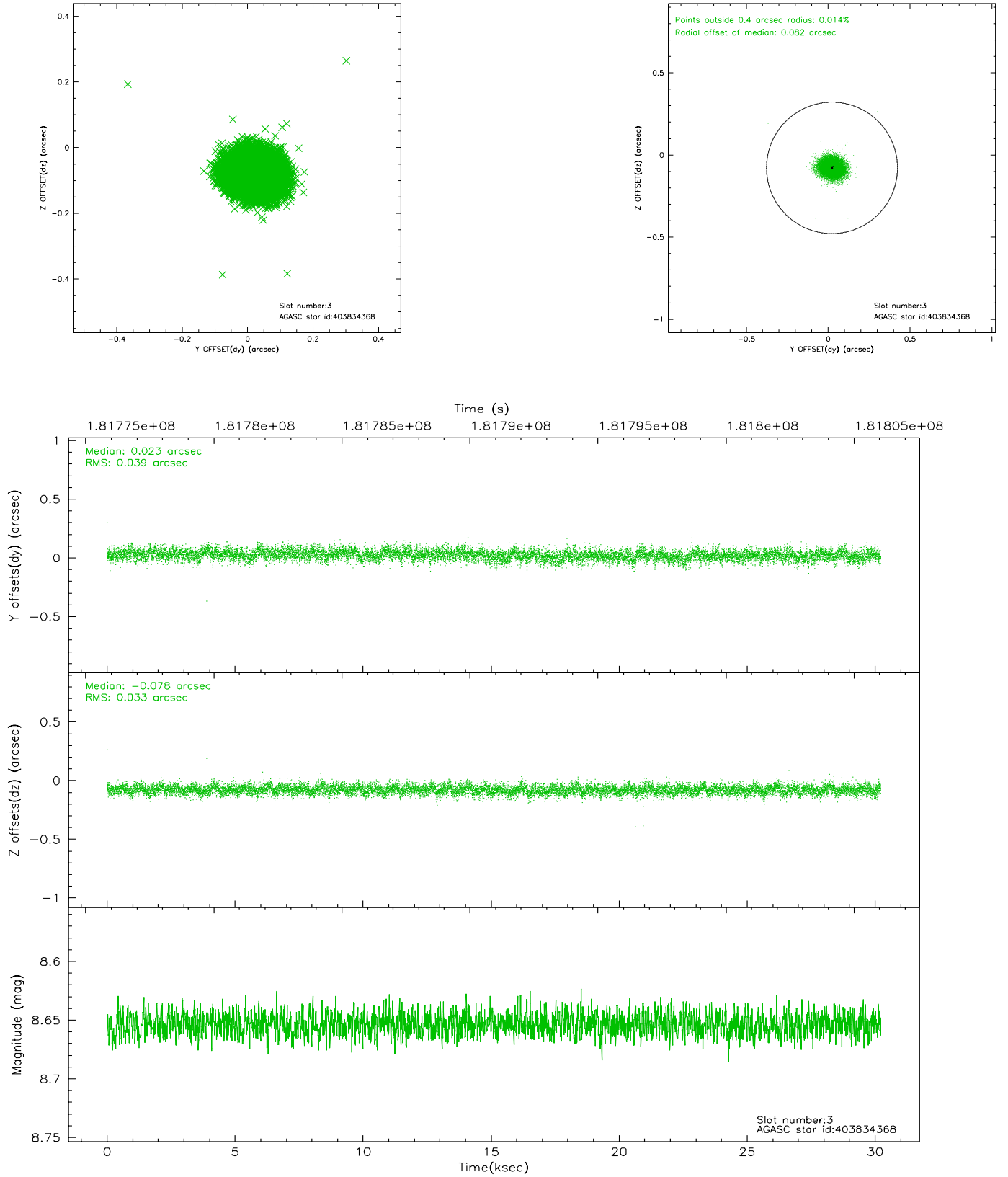
### Slot Statistics

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	7374	-0.054	0.004	0.012	0.017	0.000000	0.000000	-758.72	-1731.63
1	FID	ACIS-S-4	7.20	7374	0.032	0.025	0.018	0.027	0.000000	0.000000	2154.59	176.85
2	FID	ACIS-S-5	7.23	7374	-0.013	-0.020	0.013	0.019	0.000000	0.000000	-1811.46	170.50
3	GUIDE	403834368	8.65	14741	0.023	-0.078	0.053	0.087	259.778485	42.643335	2152.44	733.50
4	GUIDE	404362392	6.55	14743	-0.052	-0.066	0.034	0.054	259.672399	43.609161	-1233.08	1573.22
5	GUIDE	404365112	8.47	14744	0.017	0.007	0.057	0.094	259.601582	43.325231	-323.22	1072.35
6	GUIDE	404366080	9.73	14737	-0.017	0.067	0.094	0.154	258.621629	43.511816	-1790.02	-1133.40
7	GUIDE	403836152	8.27	14742	0.029	0.072	0.055	0.091	259.353083	42.479308	2351.84	-523.97

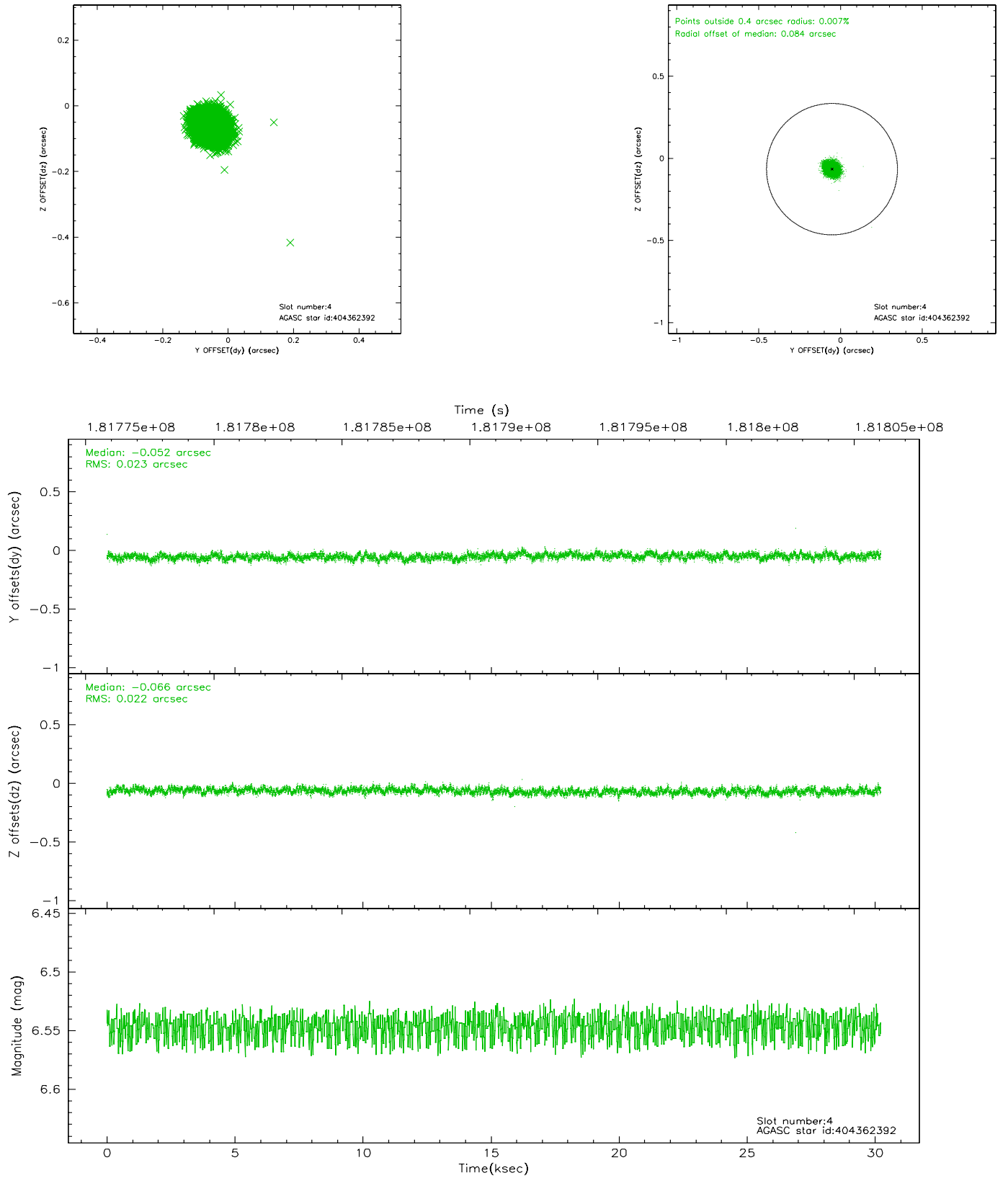


## 2.4 Star Slots

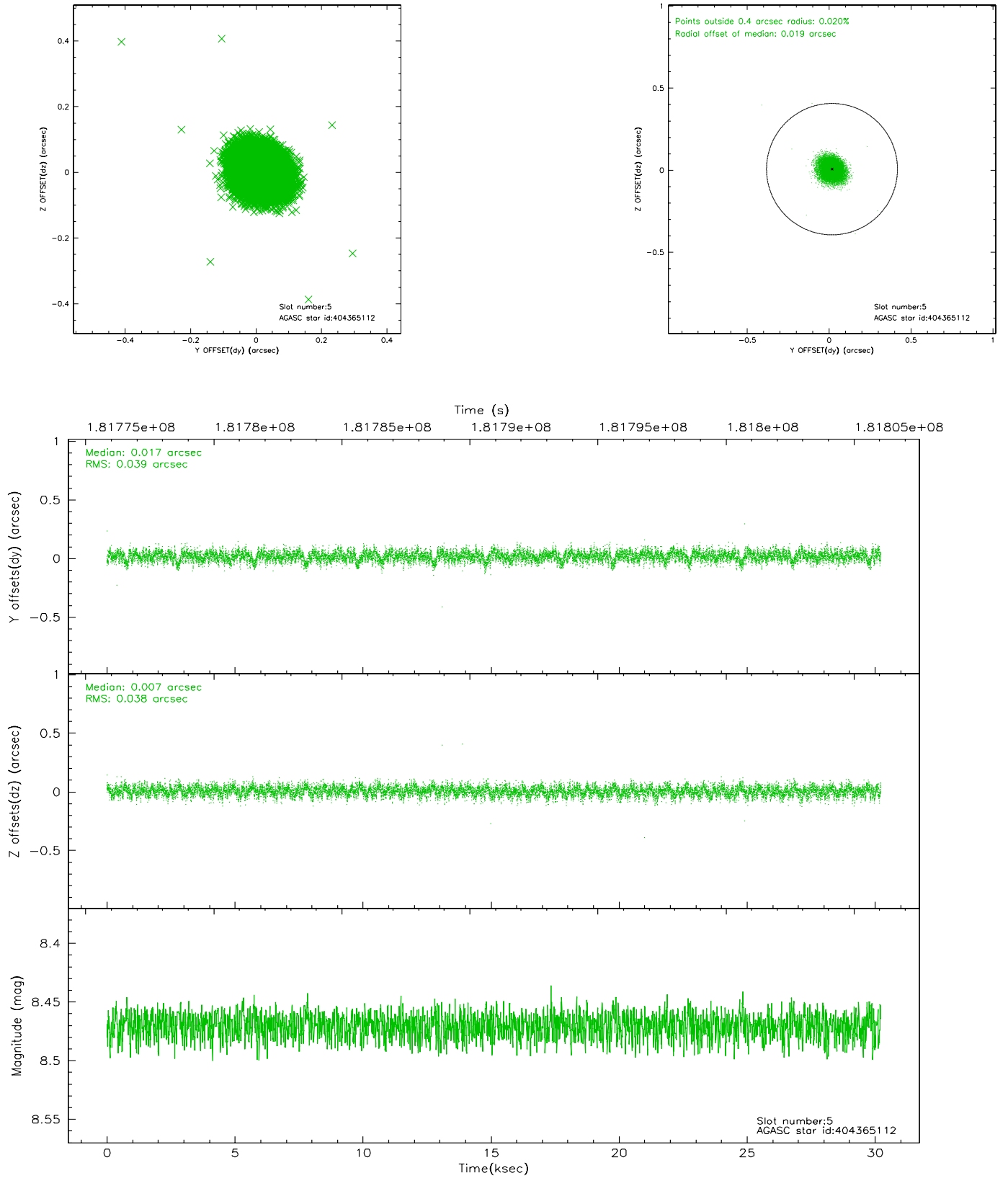
### 2.4.1 Slot 3



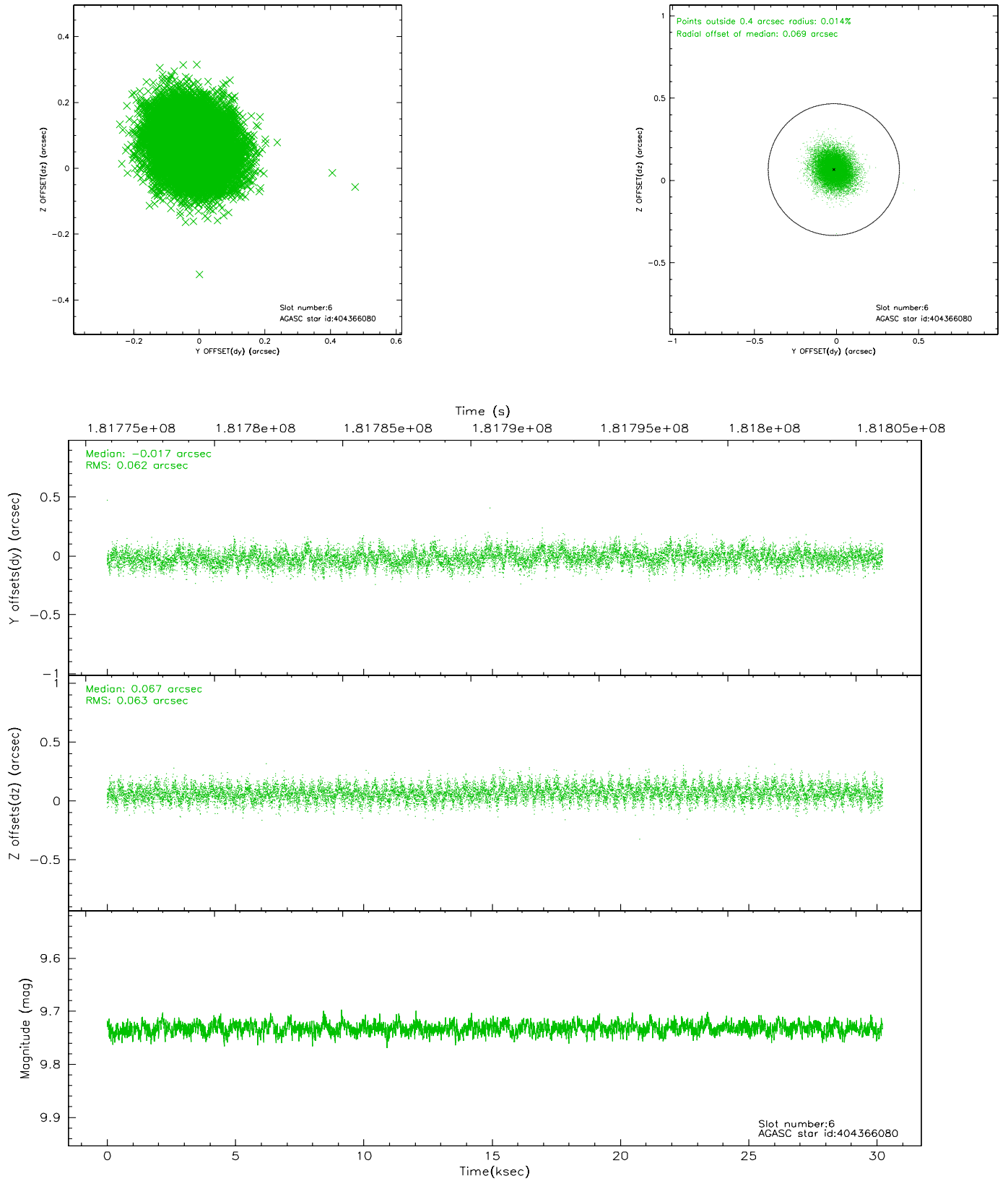
## 2.4.2 Slot 4



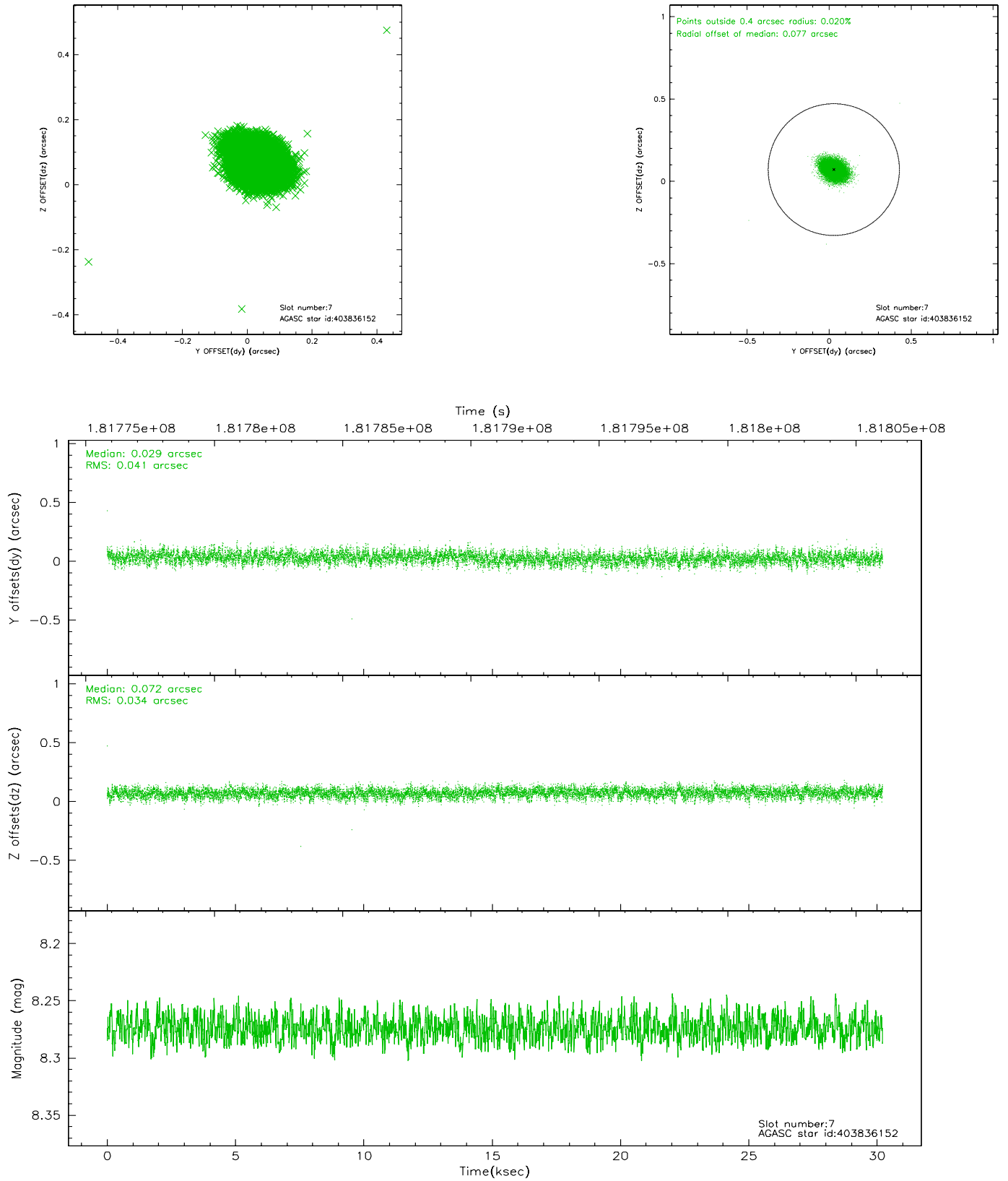
### 2.4.3 Slot 5



## 2.4.4 Slot 6

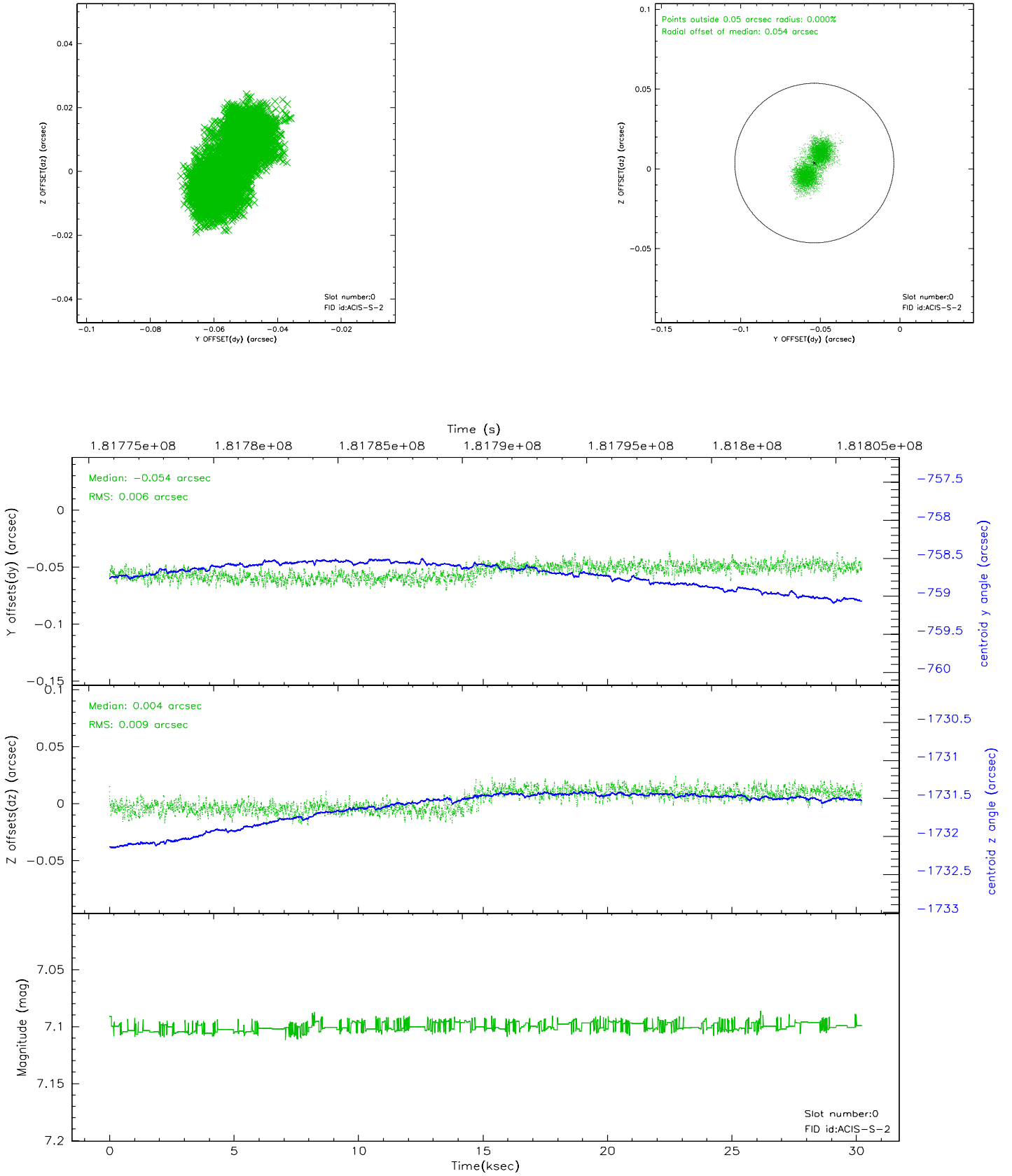


## 2.4.5 Slot 7

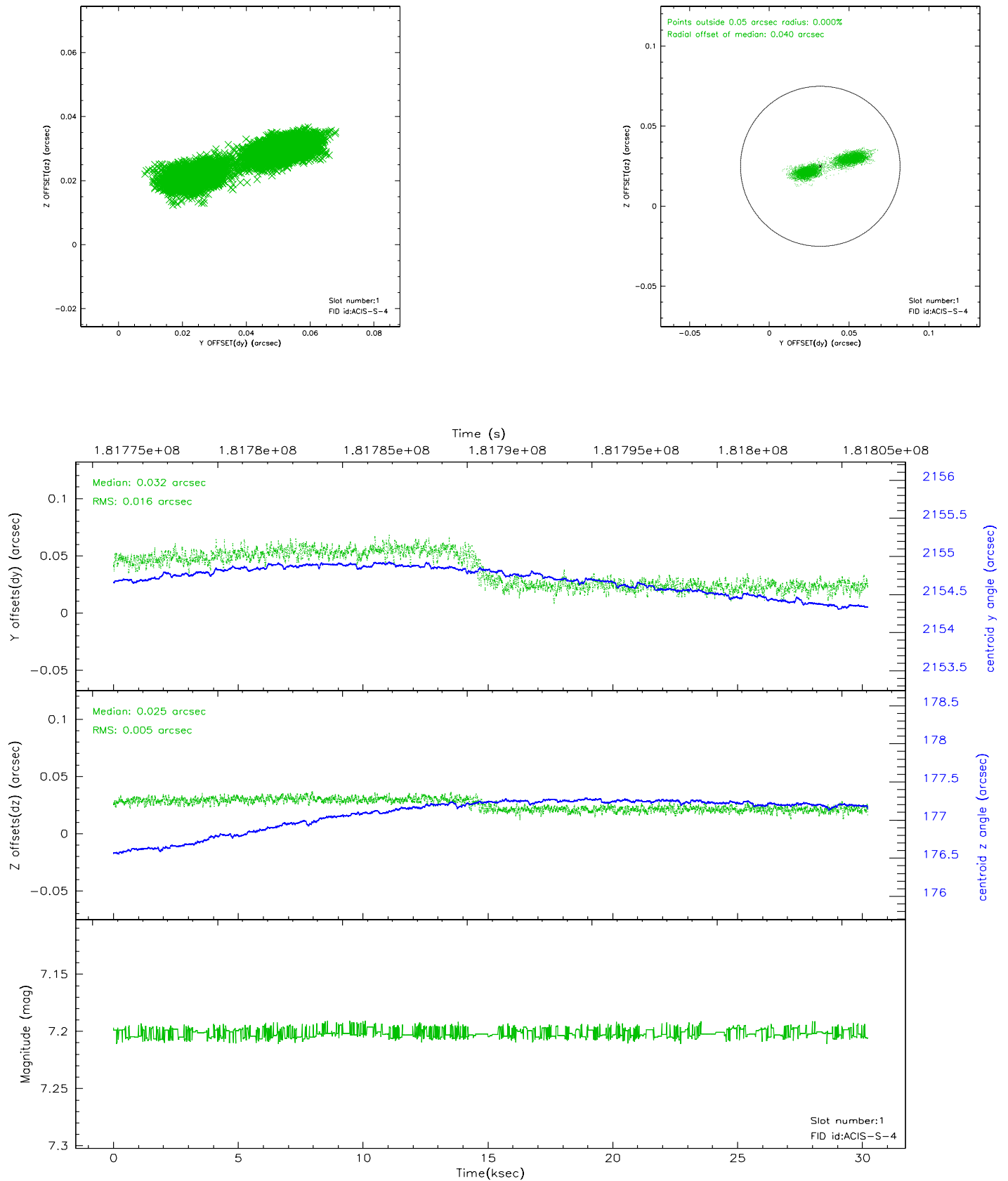


## 2.5 FID Slots

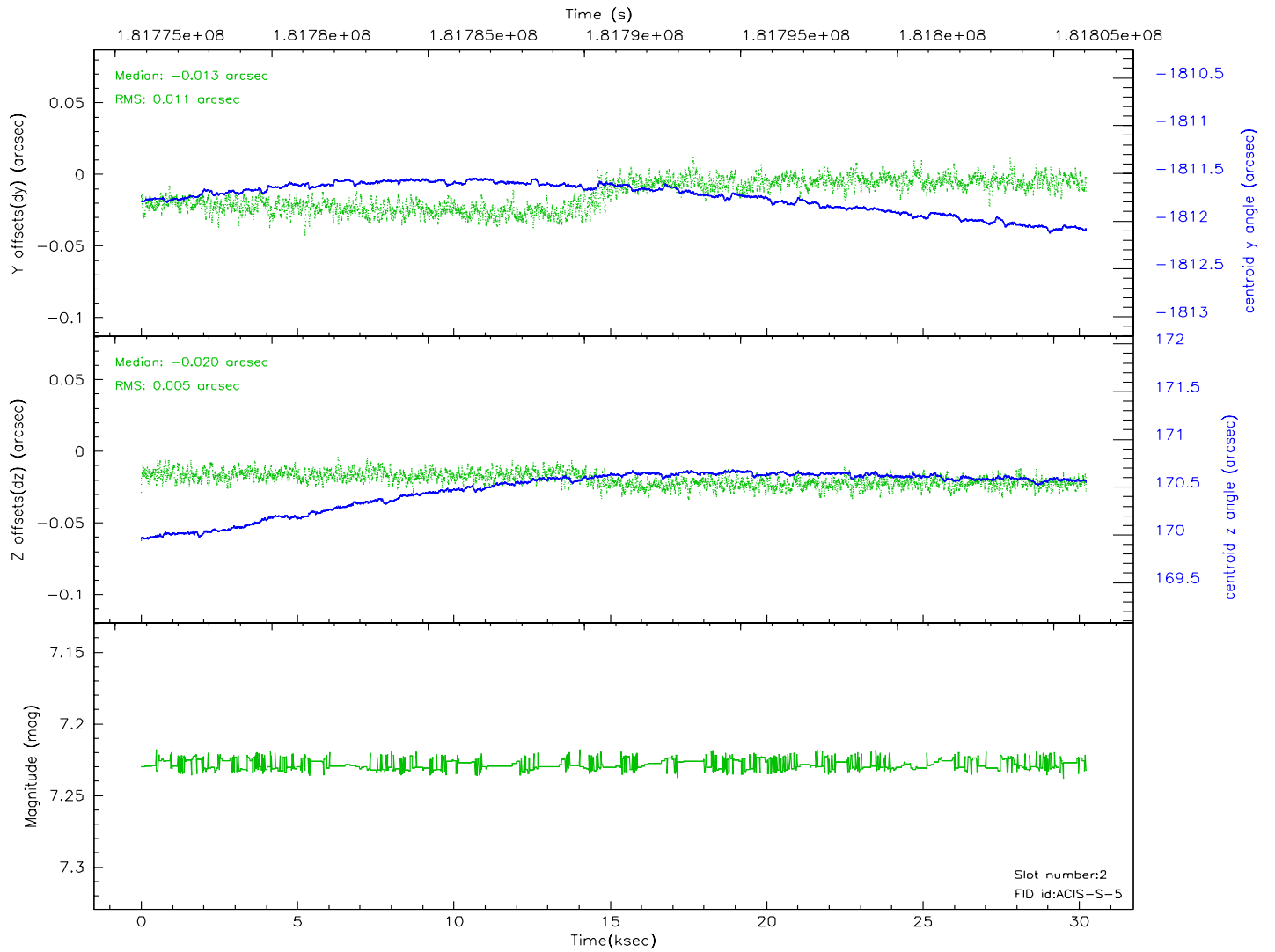
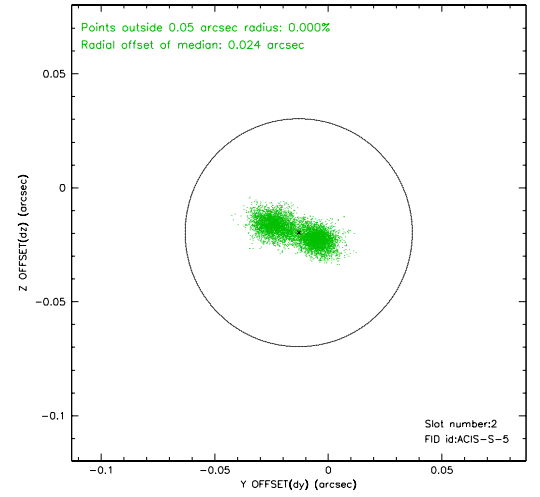
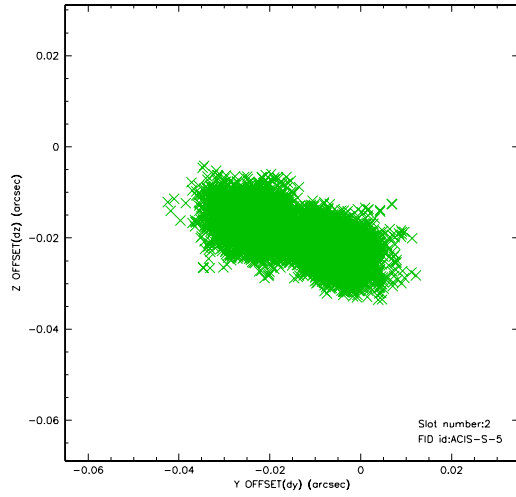
### 2.5.1 Slot 0



## 2.5.2 Slot 1

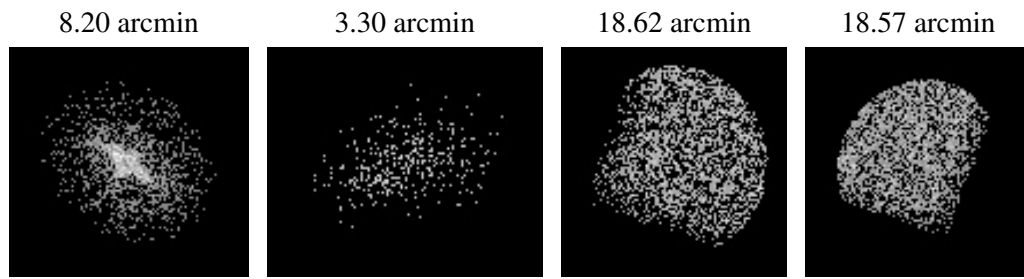


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Doug Morgan
V&V Date (YYYY-MM-DD)	2006.07.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.044

### A.2 Comments