

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4388 - L2 Version 001  
Chandra X-Ray Center

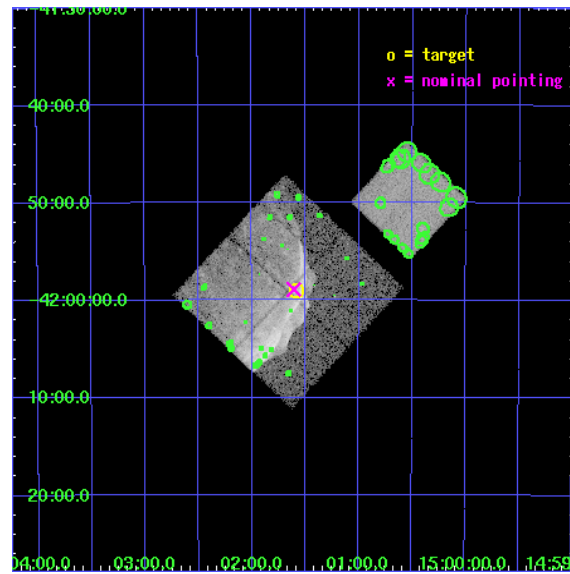
L2 Processing Date : Jul 30 2006

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# 1 Front

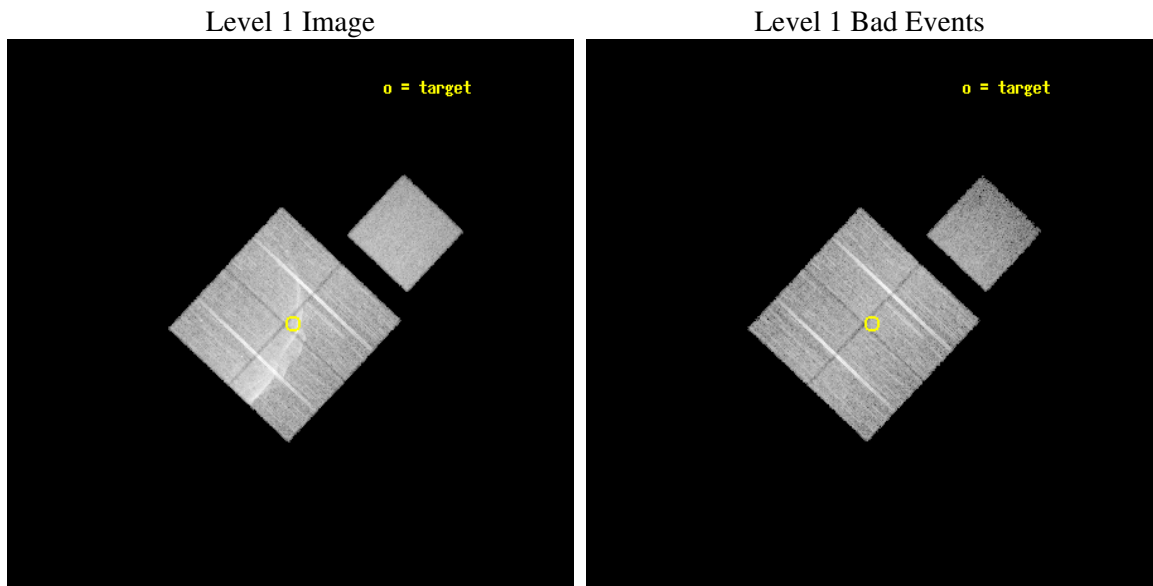
seq_num	500317
obs_id	4388
title	STUDYING HIGH MACH NUMBER SHOCKS IN YOUNG SUPERNOVA REMNANTS WITH CHANDRA
observer	Prof. John Hughes
object	SN1006
dtcycle	0
cycle	P
ra_targ	225.395792
dec_targ	-41.9833
ra_nom	225.40161695455
dec_nom	-41.98170980291
roll_nom	43.21258444705
revision	2
ontime	20056.999961436
livetime	19794.940491191
ontime0	20056.999961436
ontime1	20056.999961436
ontime2	20050.718020916
ontime3	20056.999961436
ontime7	20056.999961436
l2events	165341



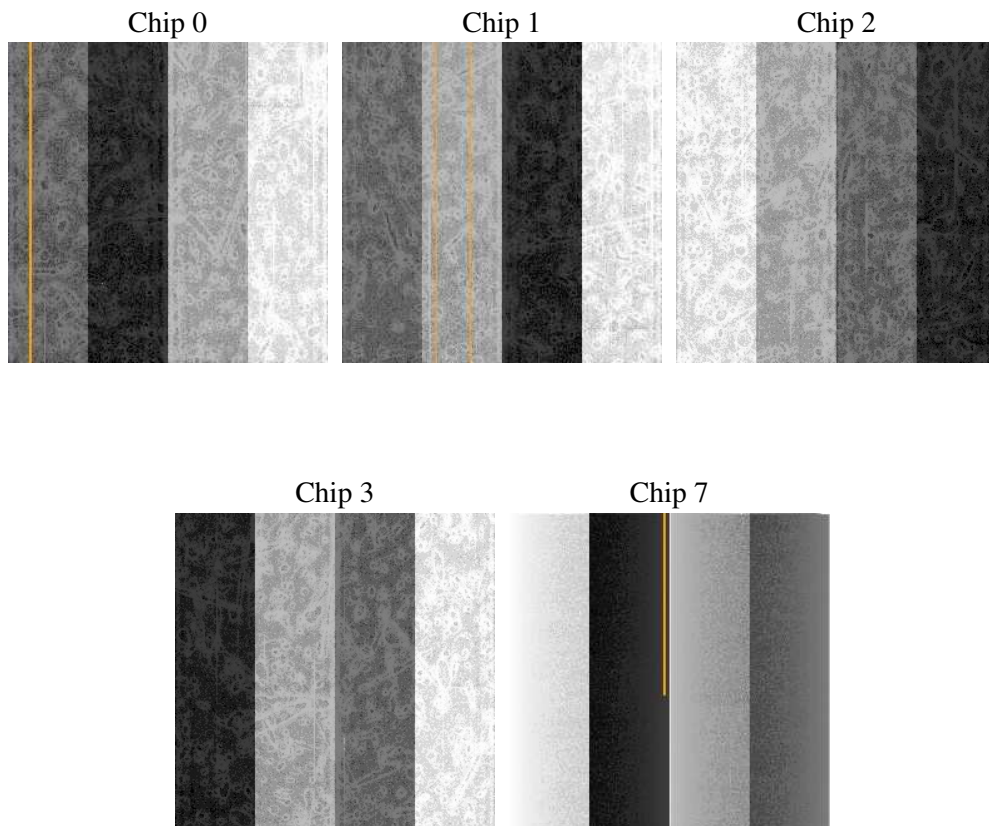
## 2 OBI

### 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	2006-07-30T10:34:52
revision	2

sched_exp_time	20280.000000
ontime	20061.629086792
ontime0	20061.629086792
ontime1	20061.62910673
ontime2	20055.347146273
ontime3	20061.629086792
ontime7	20061.629086852
l1events	587214

### 2.1.4 Events

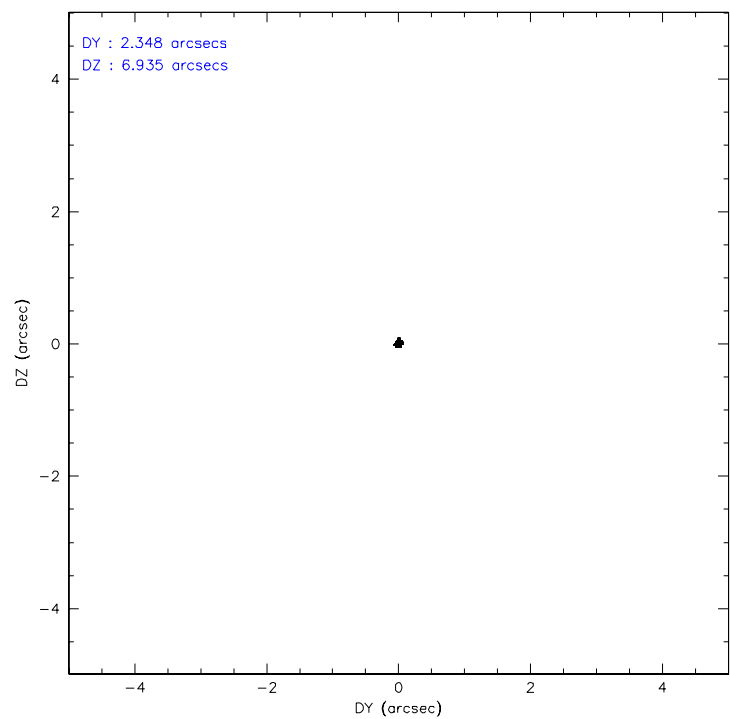
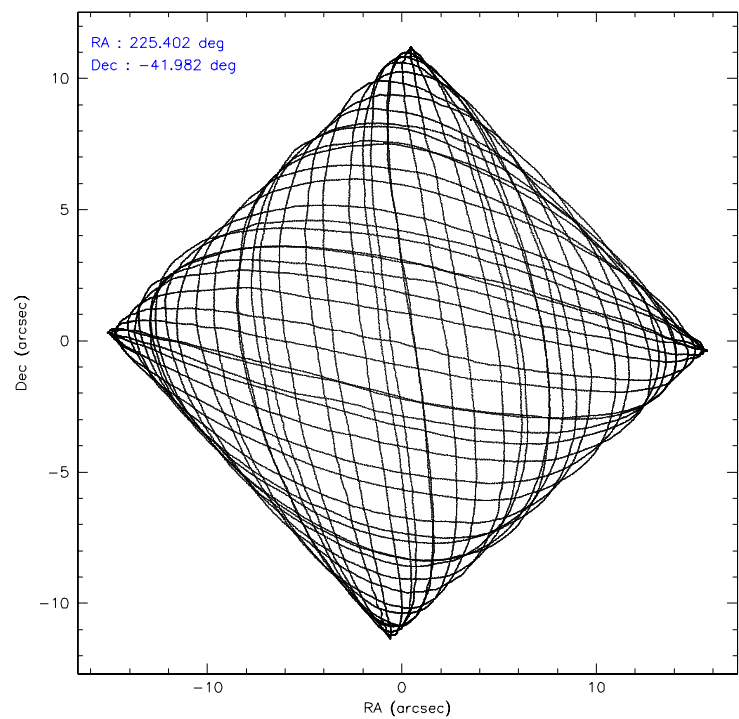
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	116656	141772	123639	109400	95747
rejected events	82672	86348	95299	91445	52913
rejected %	70%	60%	77%	83%	55%

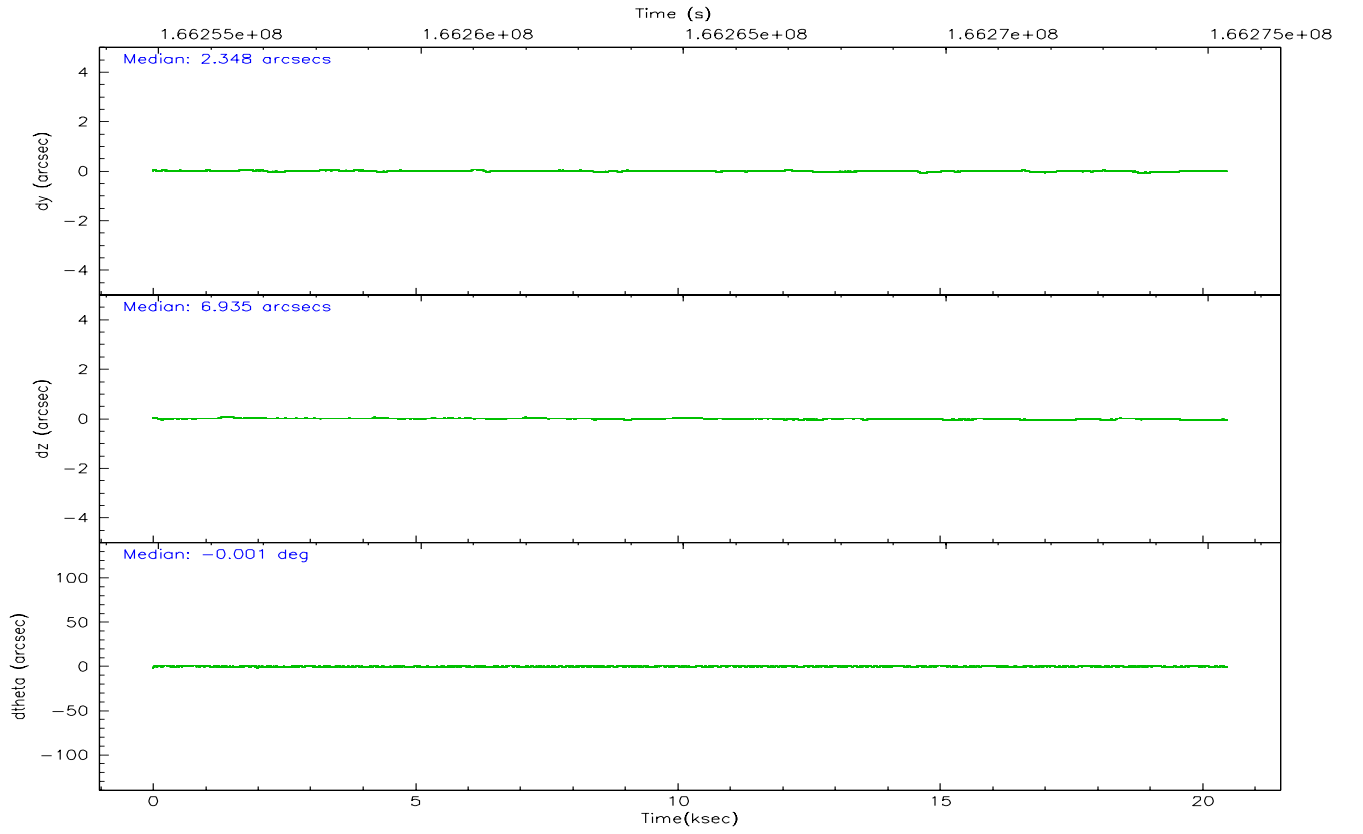
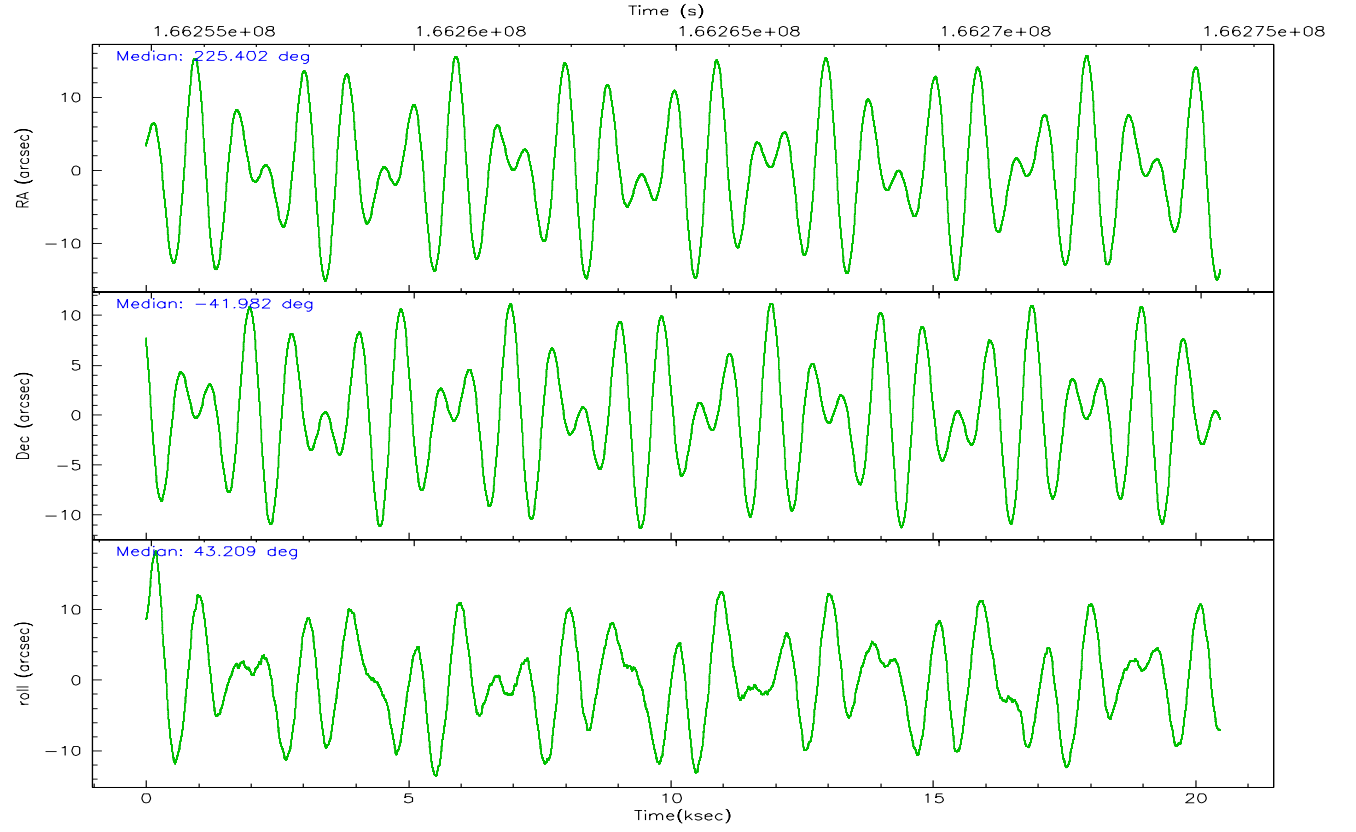
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	25208	42078	20213	10904	2997
	21%	29%	16%	9%	3%
grade 1 events	128	200	117	69	69
	0%	0%	0%	0%	0%
grade 2 events	3842	6100	3542	2702	10126
	3%	4%	2%	2%	10%
grade 3 events	1545	2240	1402	1262	2283
	1%	1%	1%	1%	2%
grade 4 events	1423	2334	1347	1286	2345
	1%	1%	1%	1%	2%
grade 5 events	3044	3385	2947	3320	7251
	2%	2%	2%	3%	7%
grade 6 events	1971	2678	1840	1805	25092
	1%	1%	1%	1%	26%
grade 7 events	79495	82757	92231	88052	45584
	68%	58%	74%	80%	47%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01237	ACIS-01237	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	225.391146	225.4016169545516	Alternating exposures requested	N	N
Pointing Dec	-42.007937	-41.98170980291015	Primary exposure time	0.000000	3.1
Pointing Roll	42.996891	43.21258444705019			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	166255079.184000	166254702.7614			
Observation start date	2003-04-09T05:56:55	2003-04-09T05:51:42			
Observation end time	166275359.184000	166275492.83728			
Observation end date	2003-04-09T11:34:55	2003-04-09T11:38:12			
Read mode	TIMED	TIMED			

## 2.3 Aspect





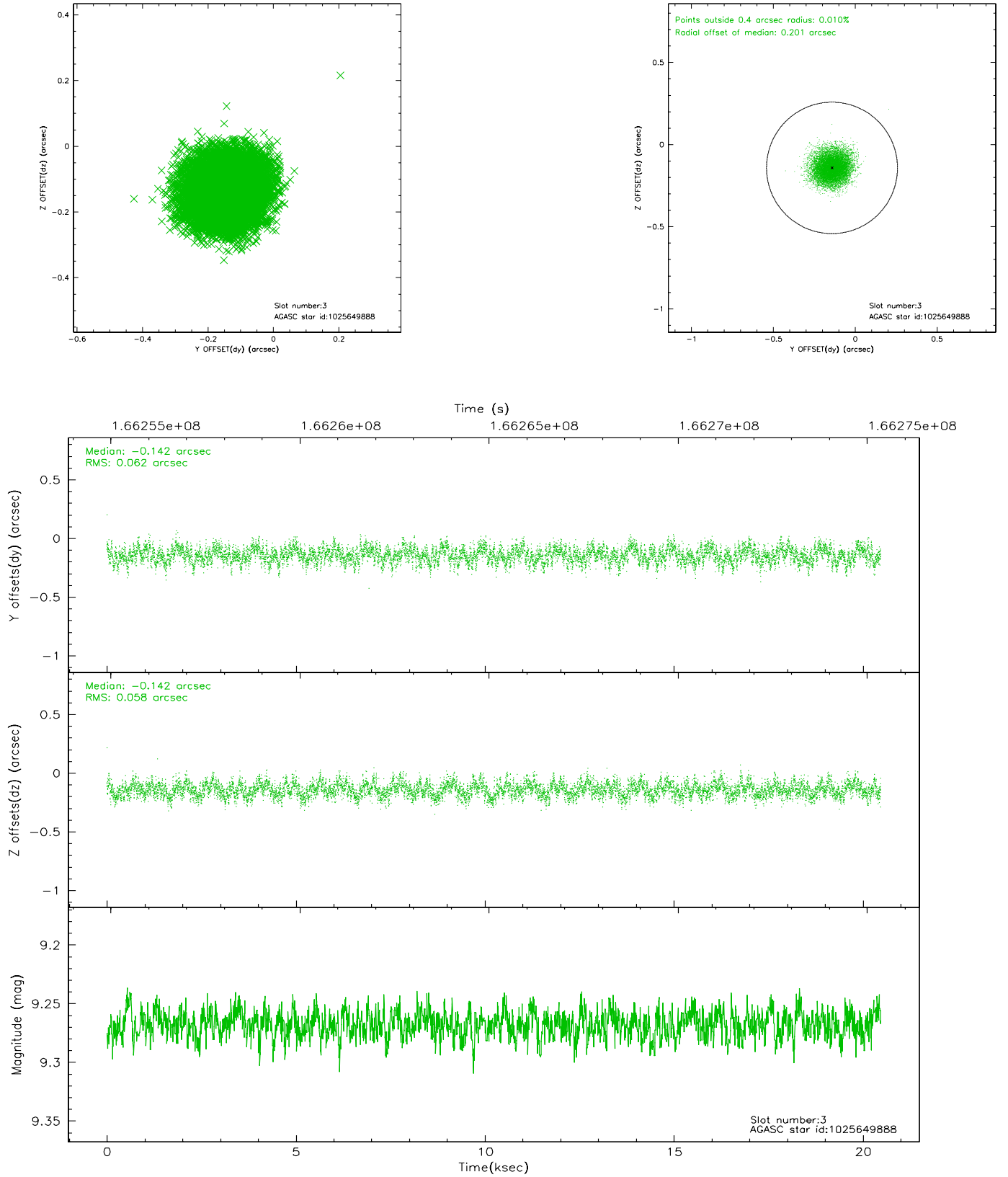
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	4992	-0.009	0.031	0.006	0.011	0.000000	0.000000	937.44	-830.31
1	FID	ACIS-I-5	7.24	4991	-0.046	0.047	0.006	0.011	0.000000	0.000000	-1810.57	1067.16
2	FID	ACIS-I-6	7.26	4992	-0.037	-0.007	0.007	0.011	0.000000	0.000000	402.81	1711.77
3	GUIDE	1025649888	9.27	9969	-0.142	-0.142	0.091	0.144	225.540879	-41.189826	2305.05	1877.35
4	GUIDE	1026170800	9.02	9983	0.144	0.085	0.076	0.123	225.400024	-42.381702	-899.67	-999.99
5	GUIDE	1026183784	9.19	9979	-0.218	0.160	0.094	0.149	226.363370	-41.841537	2305.60	-1350.66
6	GUIDE	1025639384	9.40	9969	0.012	-0.026	0.097	0.161	225.439759	-41.063650	2415.26	2396.43
7	GUIDE	1026042768	9.40	9967	0.203	-0.076	0.092	0.150	224.552169	-42.295856	-2347.64	757.49

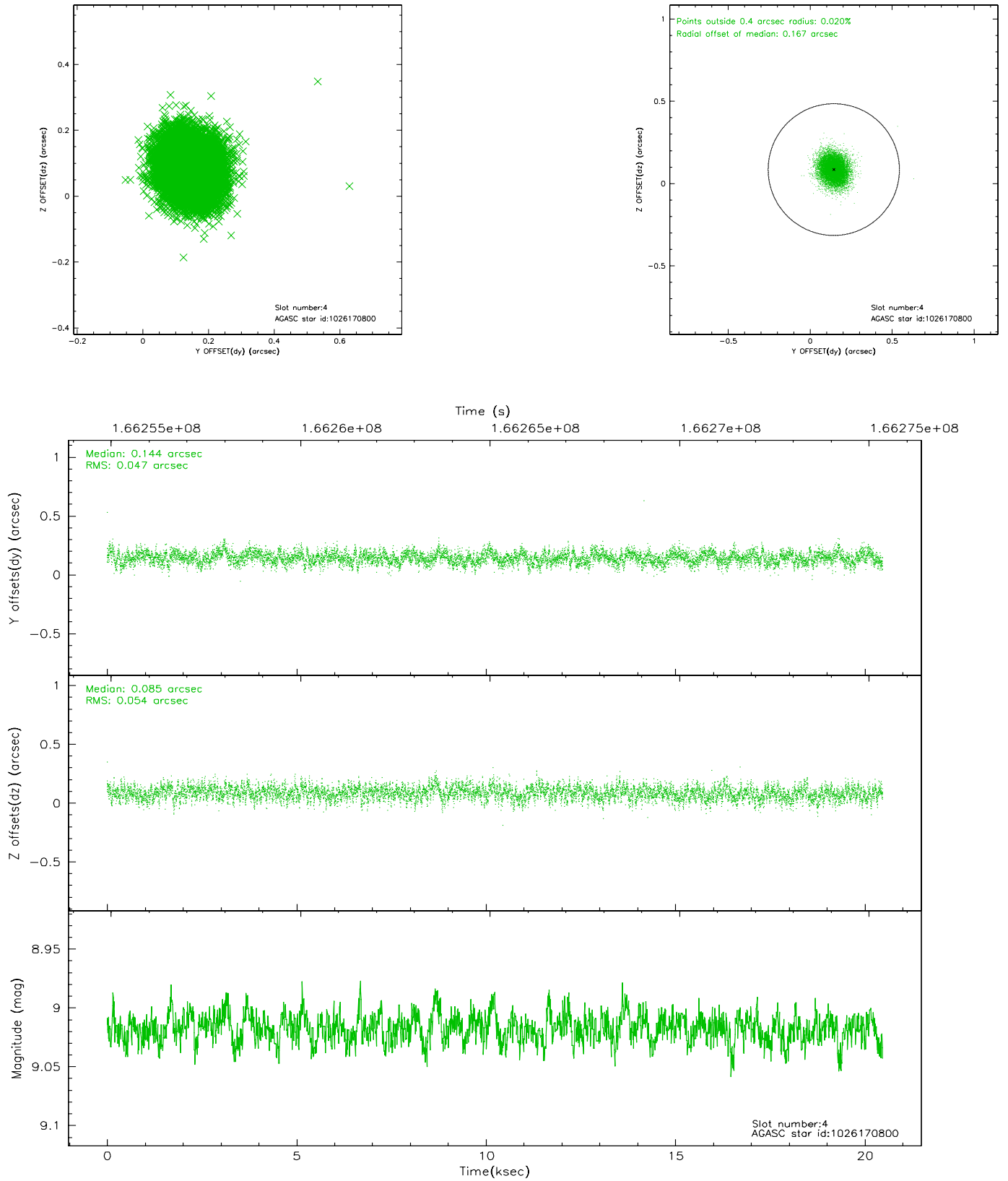


## 2.4 Star Slots

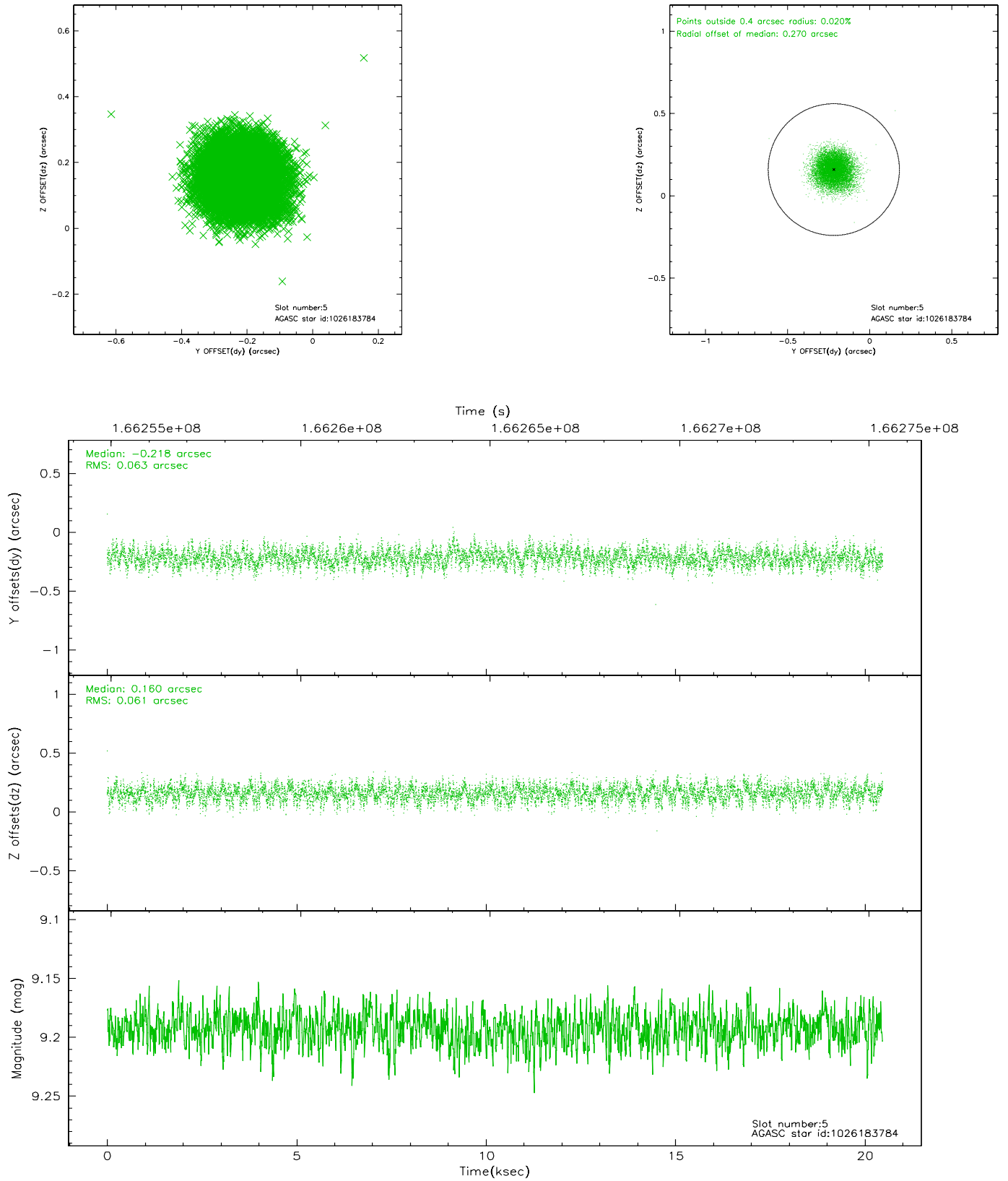
### 2.4.1 Slot 3



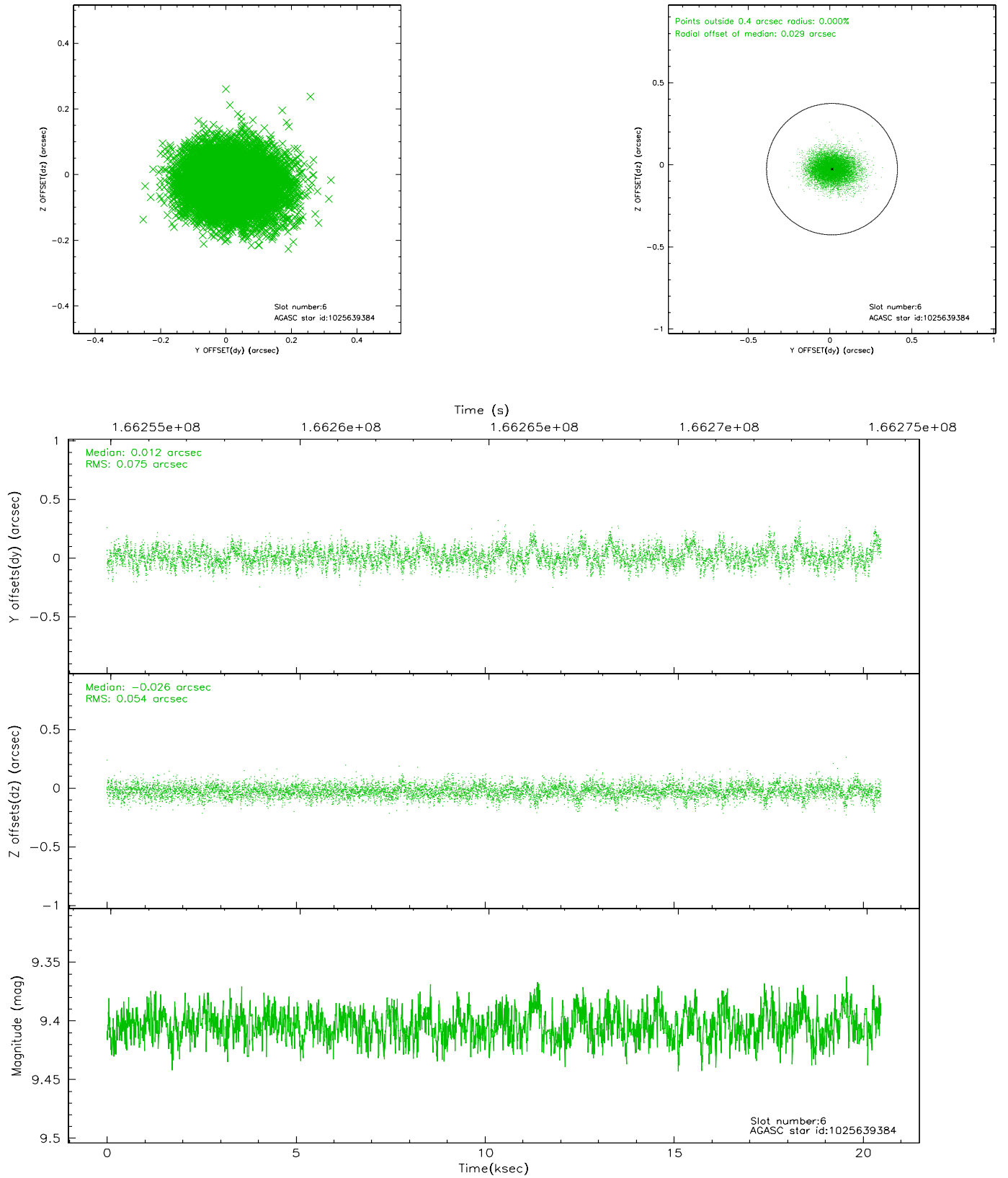
## 2.4.2 Slot 4



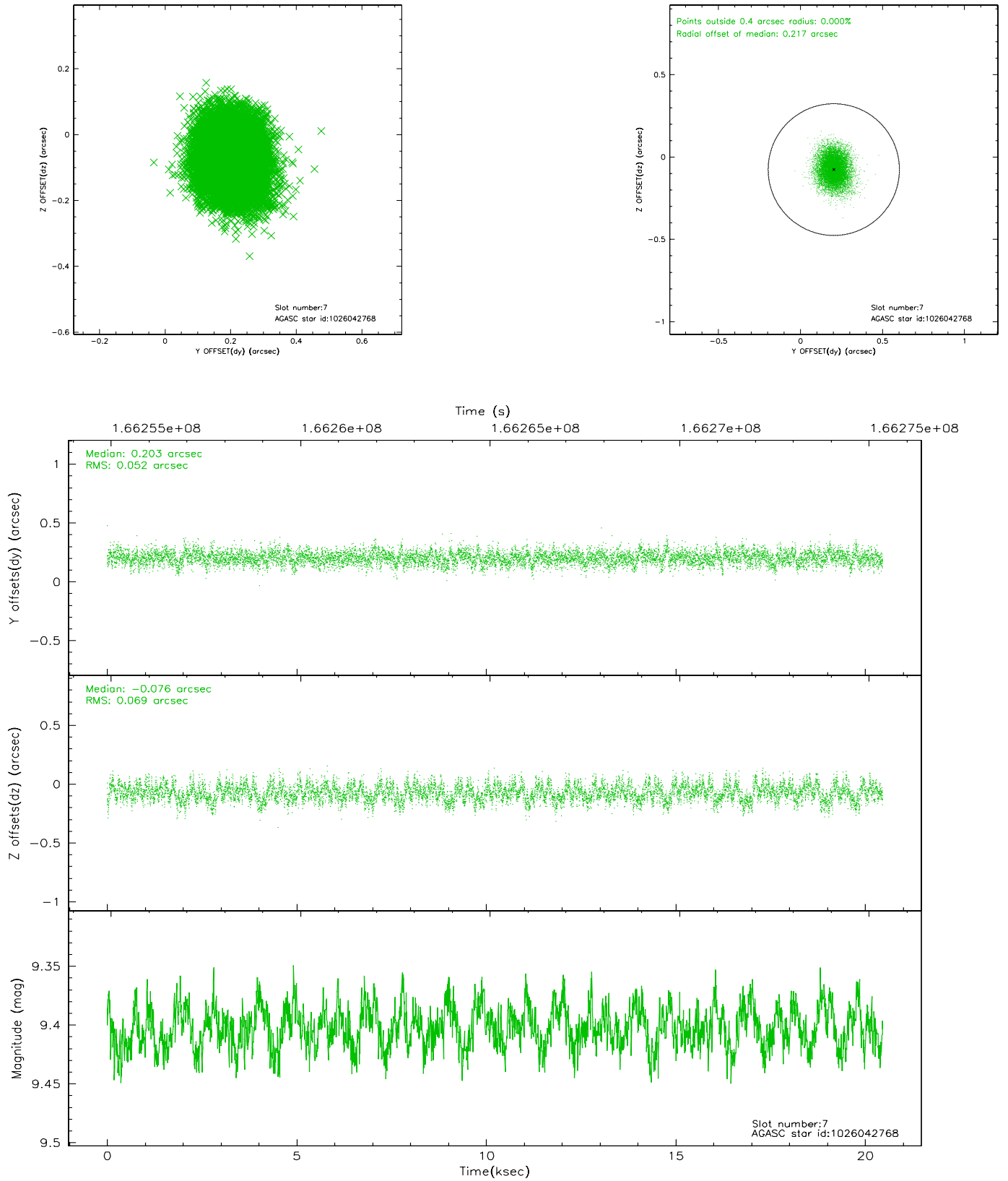
### 2.4.3 Slot 5



## 2.4.4 Slot 6

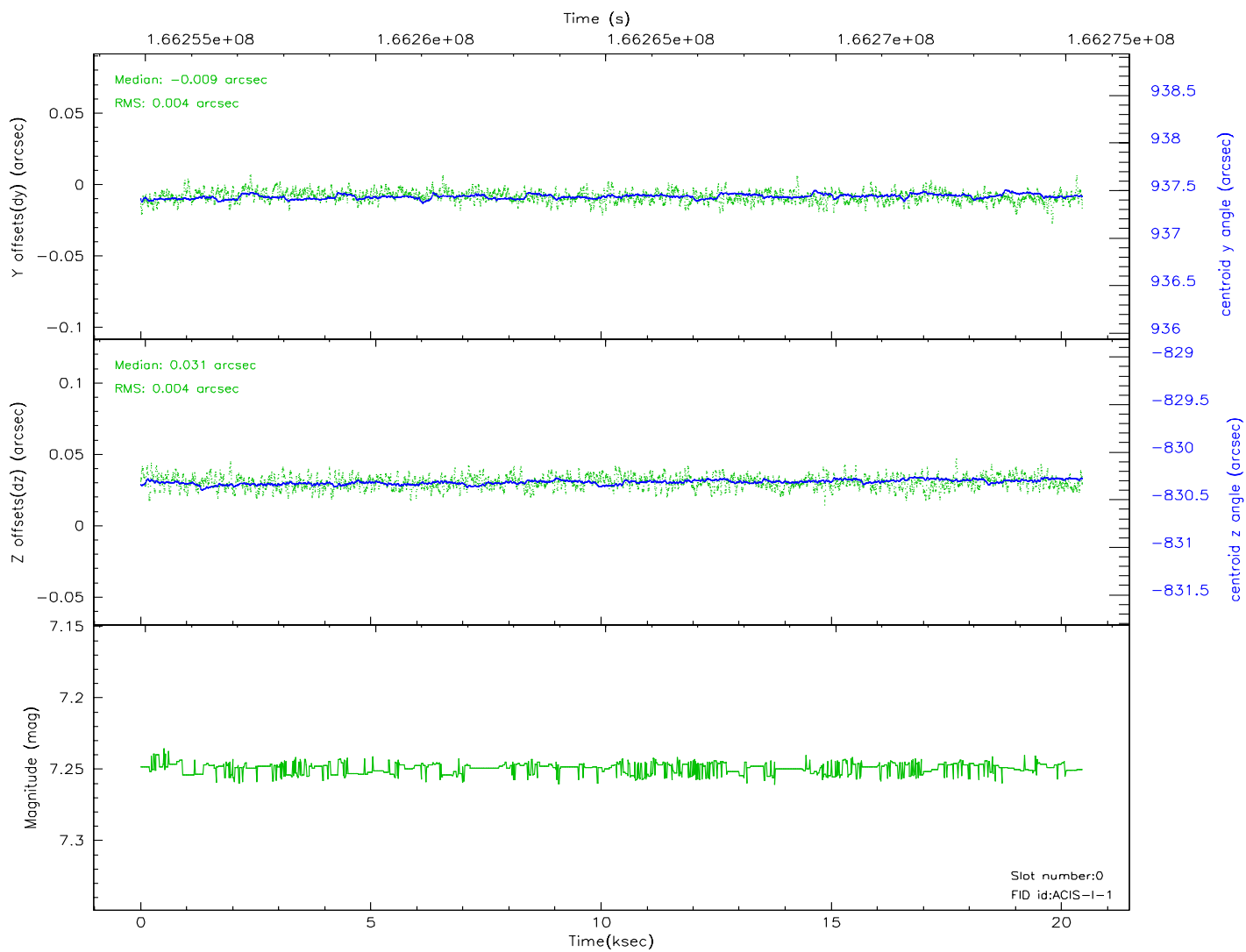
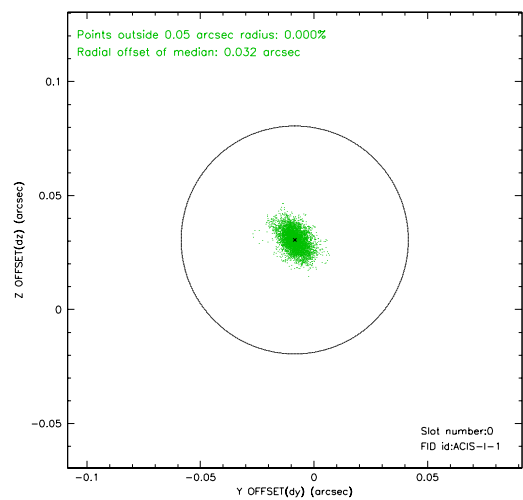
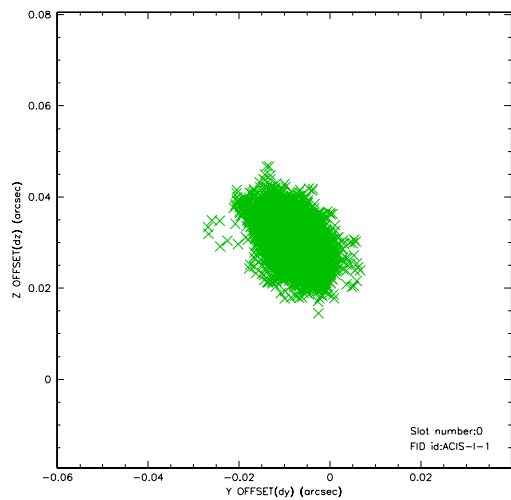


## 2.4.5 Slot 7

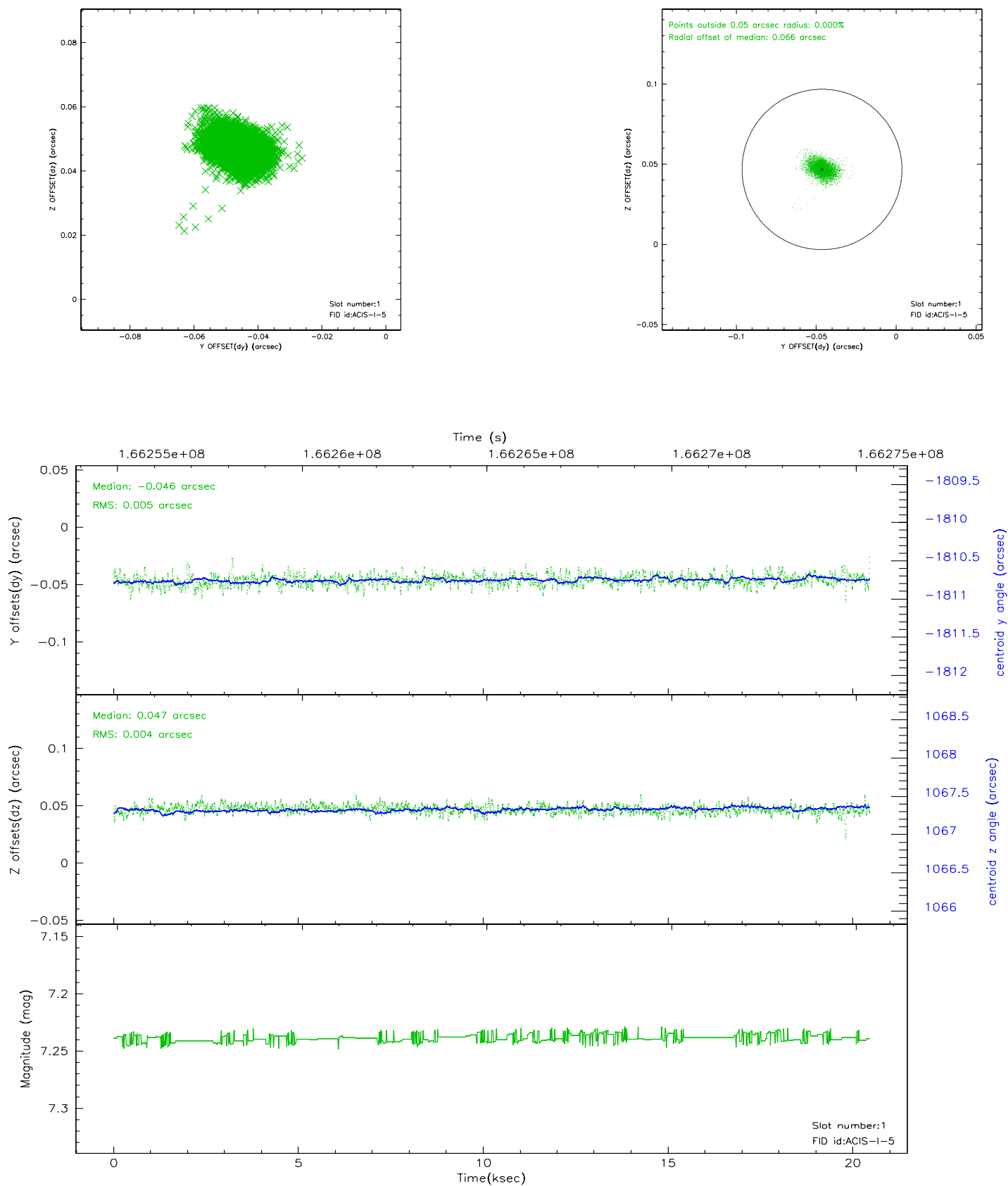


## 2.5 FID Slots

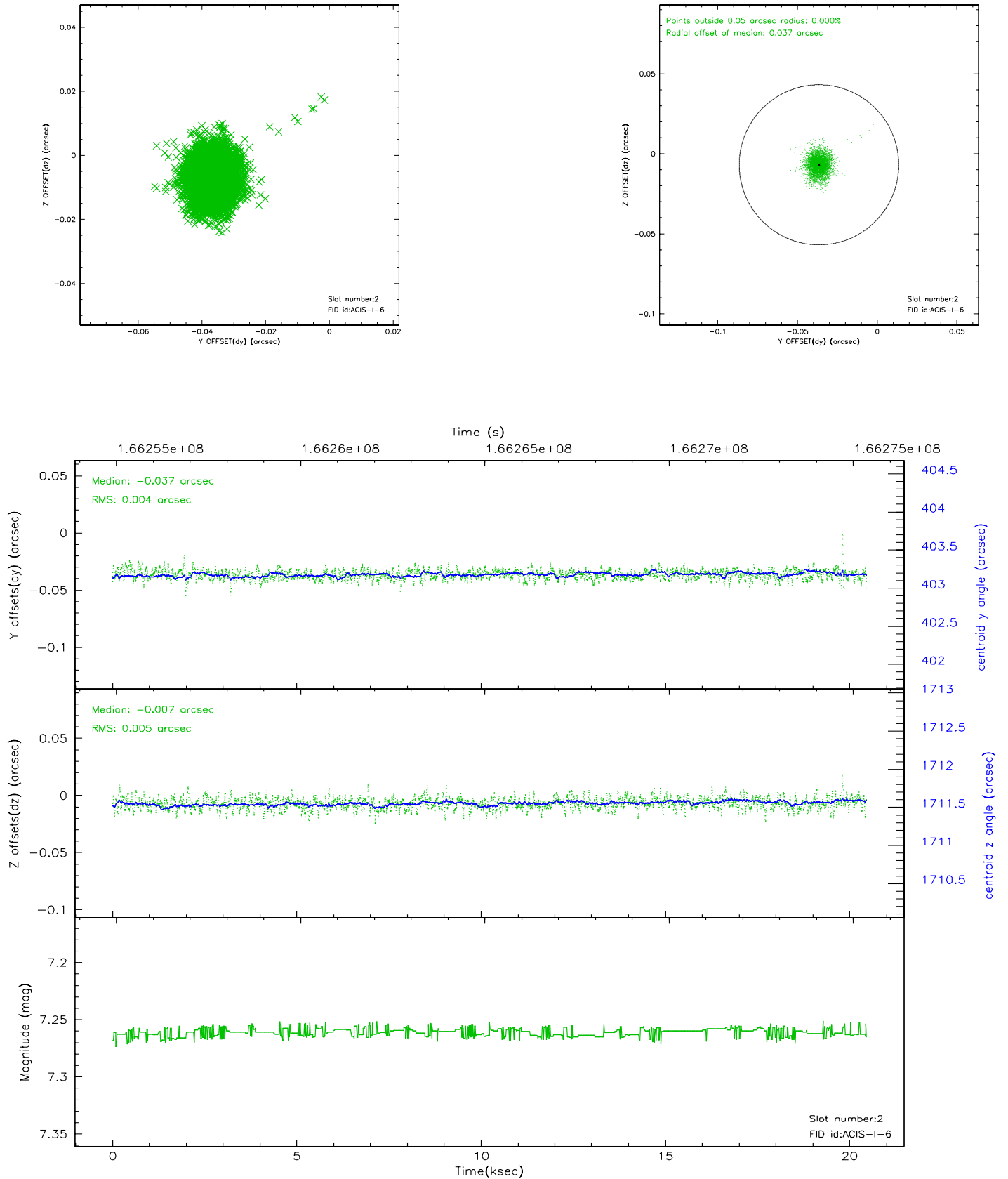
### 2.5.1 Slot 0



## 2.5.2 Slot 1

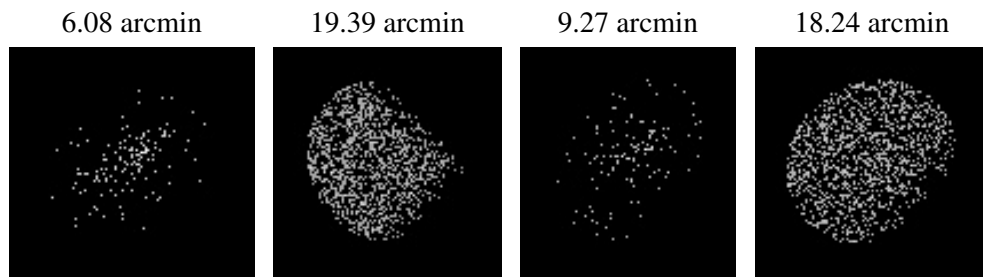


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.056

### A.2 Comments