

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 3838 - L2 Version 001  
Chandra X-Ray Center

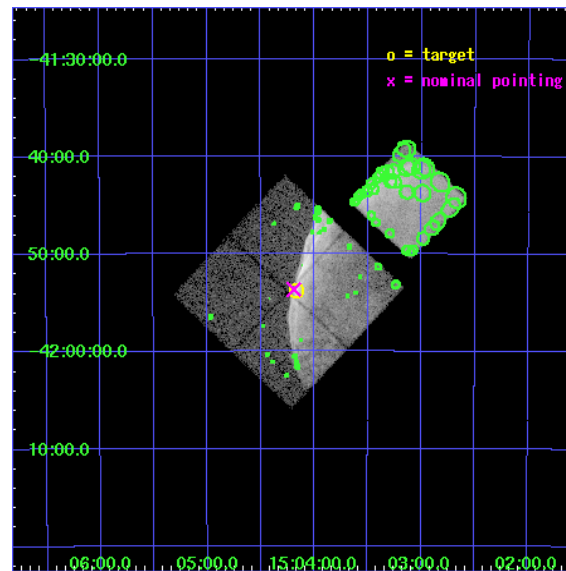
L2 Processing Date : Jul 30 2006

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# 1 Front

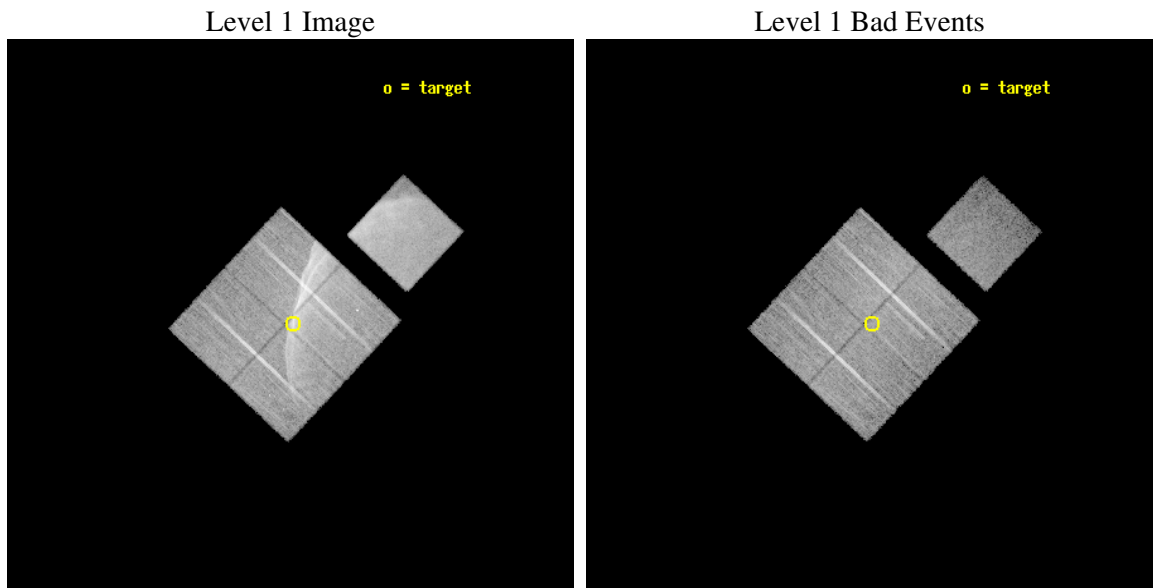
seq_num	500317
obs_id	3838
title	STUDYING HIGH MACH NUMBER SHOCKS IN YOUNG SUPERNOVA REMNANTS WITH CHANDRA
observer	Prof. John Hughes
object	SN1006
dtcycle	0
cycle	P
ra_targ	226.041708
dec_targ	-41.8958
ra_nom	226.04753567828
dec_nom	-41.89418437914
roll_nom	43.212603016939
revision	2
ontime	20397.99996078
livetime	20131.485074503
ontime0	20394.858960629
ontime1	20394.858980566
ontime2	20397.99996078
ontime3	20397.99996078
ontime7	20397.99996078
l2events	245711



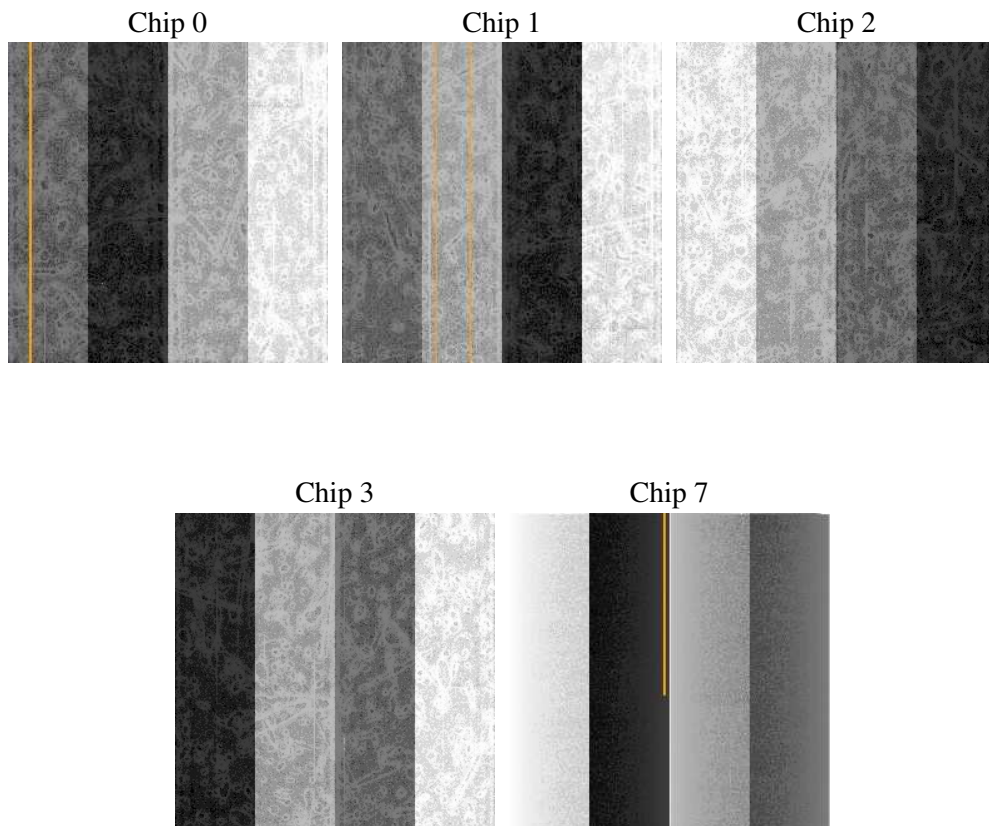
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-30T09:09:27
revision	2

sched_exp_time	20280.000000
ontime	20611.280970335
ontime0	20608.139970183
ontime1	20608.139990121
ontime2	20611.280970335
ontime3	20611.280970335
ontime7	20611.280990243
l1events	701824

### 2.1.4 Events

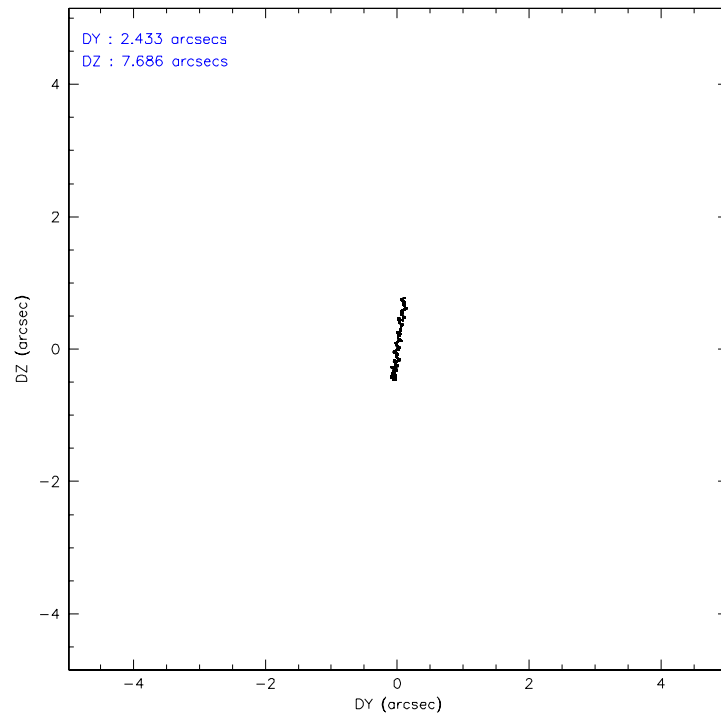
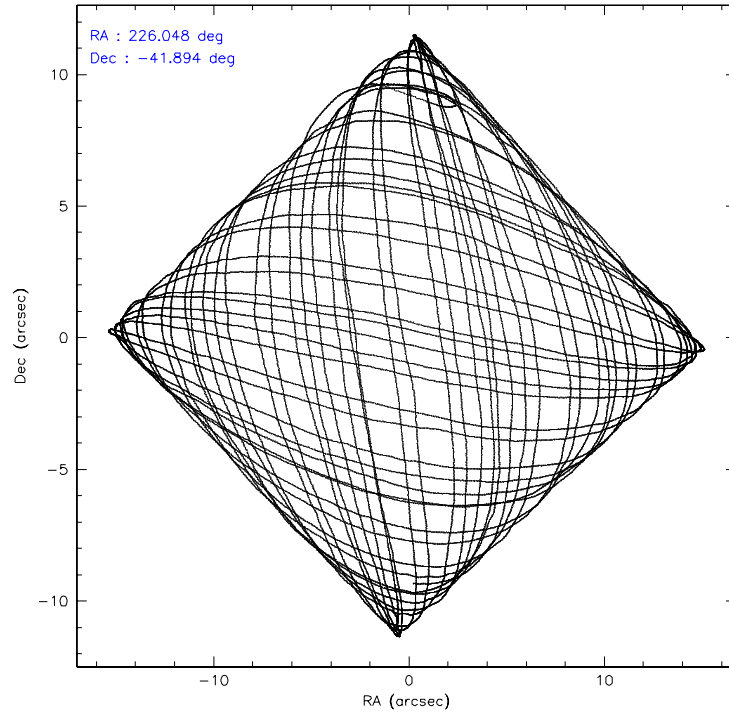
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	100498	127495	160455	150318	163058
rejected events	89736	90450	104992	98989	57293
rejected %	89%	70%	65%	65%	35%

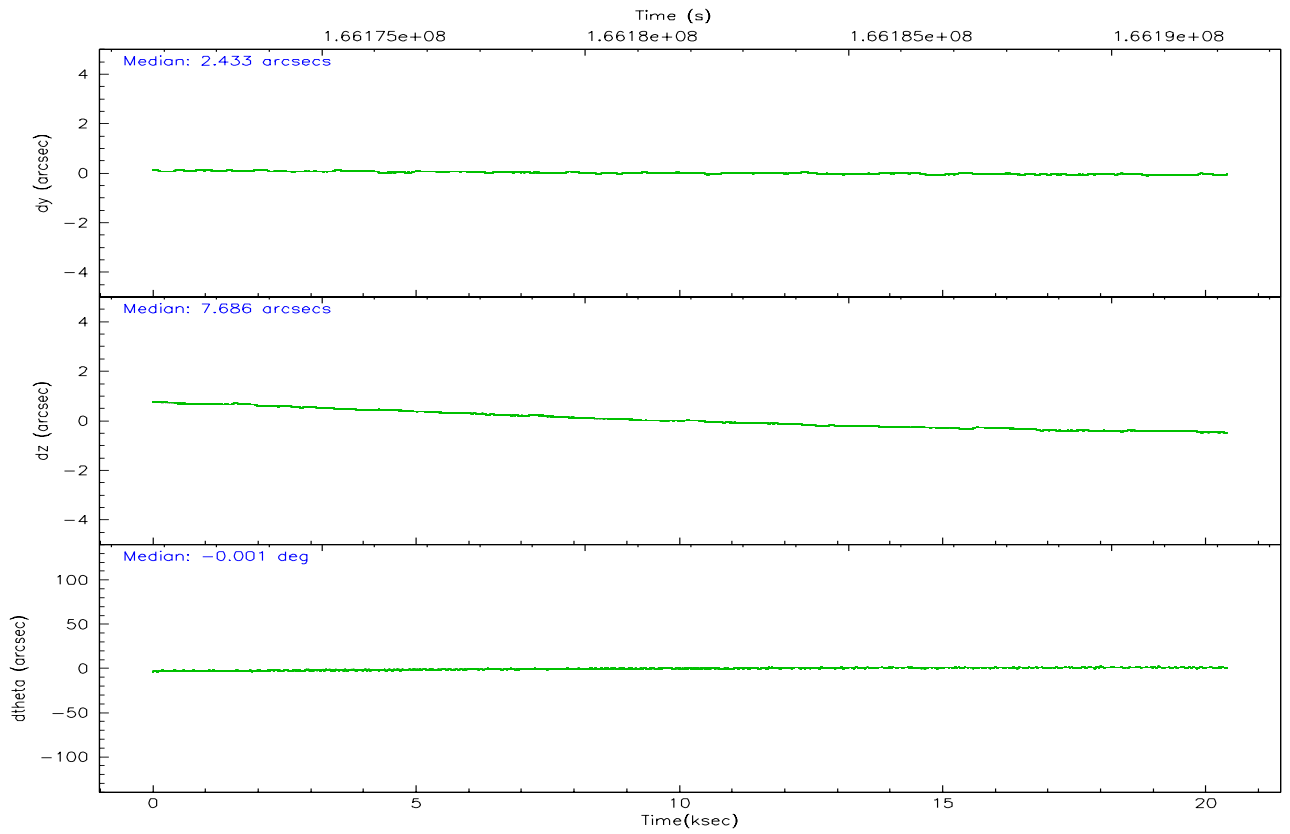
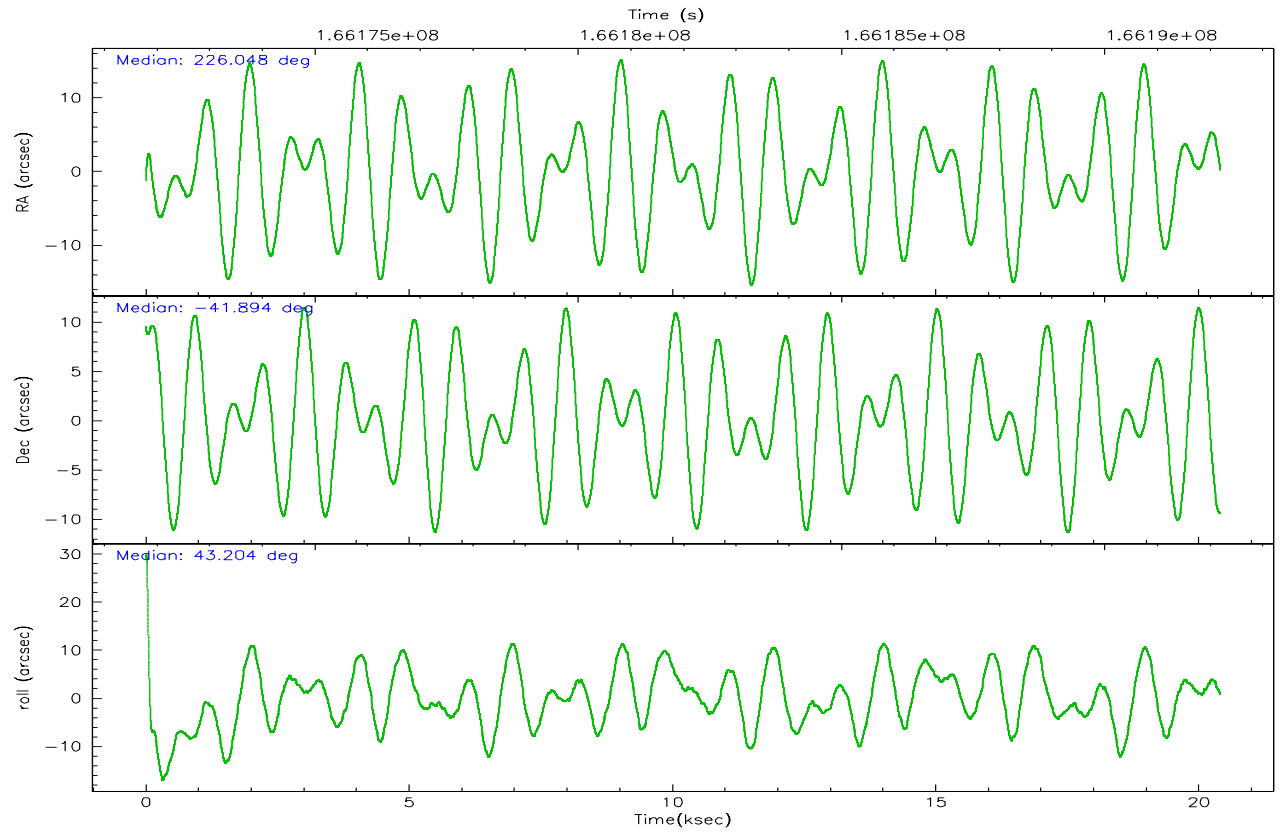
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	4242	27179	43185	40804	23353
	4%	21%	26%	27%	14%
grade 1 events	53	126	250	232	48
	0%	0%	0%	0%	0%
grade 2 events	2358	4260	6178	5092	28904
	2%	3%	3%	3%	17%
grade 3 events	1165	1763	2230	1801	9455
	1%	1%	1%	1%	5%
grade 4 events	1130	1805	2211	1869	9309
	1%	1%	1%	1%	5%
grade 5 events	3058	3405	3053	3625	8336
	3%	2%	1%	2%	5%
grade 6 events	1983	2445	2353	2227	35792
	1%	1%	1%	1%	21%
grade 7 events	86509	86512	100995	94668	47861
	86%	67%	62%	62%	29%

## 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	226.037055	226.0475356782842	Alternating exposures requested	N	N
Pointing Dec	-41.920440	-41.89418437914025	Primary exposure time	0.000000	3.1
Pointing Roll	42.996894	43.21260301693943			
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	166171919.184000	166170846.99536			
Observation start date	2003-04-08T06:50:55	2003-04-08T06:34:06			
Observation end time	166192199.184000	166192333.55877			
Observation end date	2003-04-08T12:28:55	2003-04-08T12:32:13			
Read mode	TIMED	TIMED			

## 2.3 Aspect





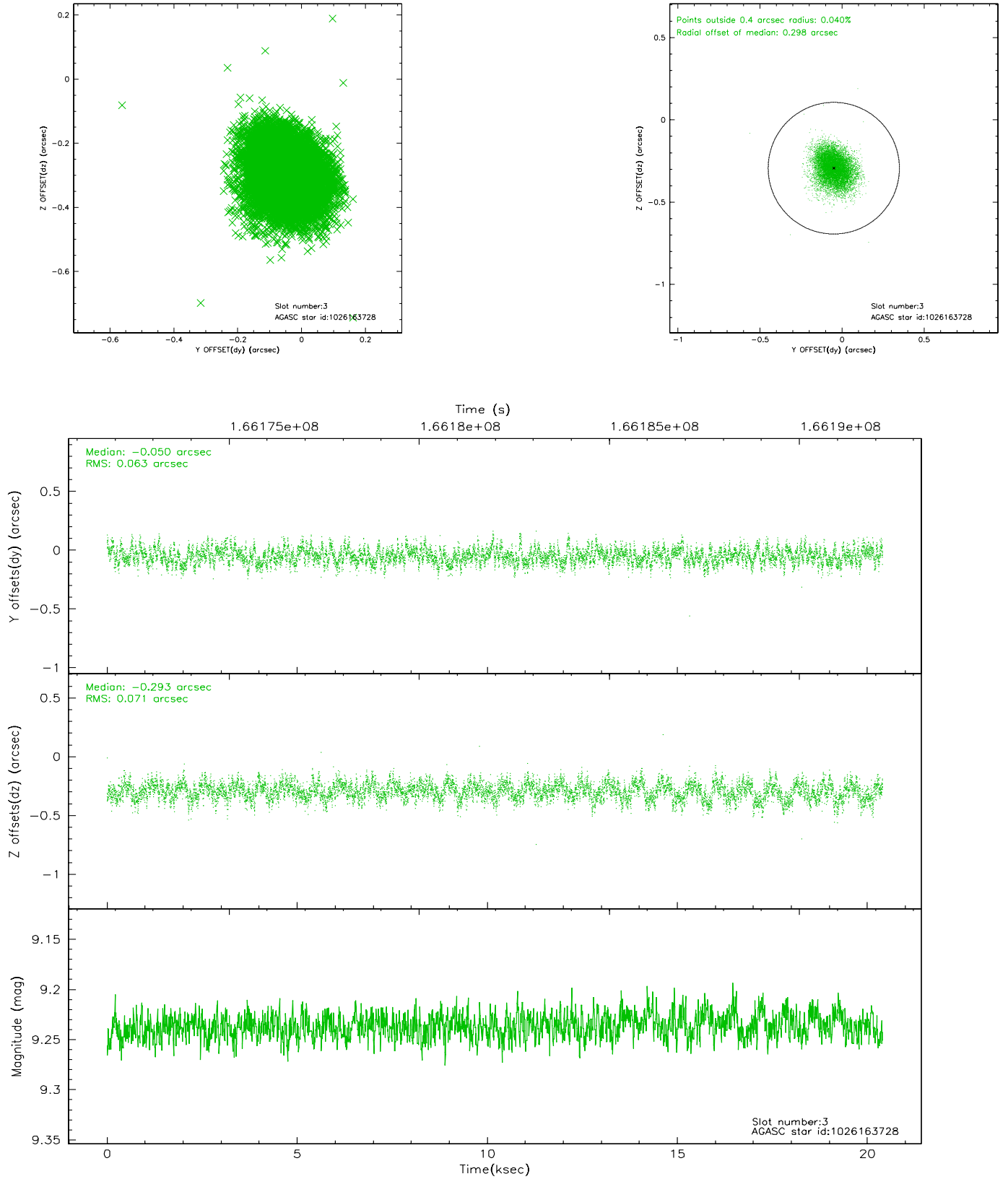
### Slot Statistics

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	4977	-0.016	0.055	0.019	0.040	0.000000	0.000000	937.33	-831.10
1	FID	ACIS-I-5	7.24	4977	-0.044	0.044	0.009	0.020	0.000000	0.000000	-1810.67	1066.32
2	FID	ACIS-I-6	7.26	4977	-0.030	-0.029	0.013	0.022	0.000000	0.000000	402.71	1710.92
3	GUIDE	1026163728	9.24	9949	-0.050	-0.293	0.102	0.162	225.377558	-41.568164	-439.12	2133.63
4	GUIDE	1026170368	9.28	9950	0.065	0.088	0.111	0.183	225.763429	-42.291155	-1443.46	-479.83
5	GUIDE	1026183784	9.17	9886	-0.126	0.029	0.080	0.129	226.363370	-41.841537	832.75	-390.13
6	GUIDE	1026162968	9.45	9952	0.067	0.100	0.081	0.134	225.835985	-42.679852	-2253.43	-1637.33
7	GUIDE	1026185256	9.33	9948	0.047	0.074	0.099	0.154	226.095983	-42.018643	-125.66	-366.09

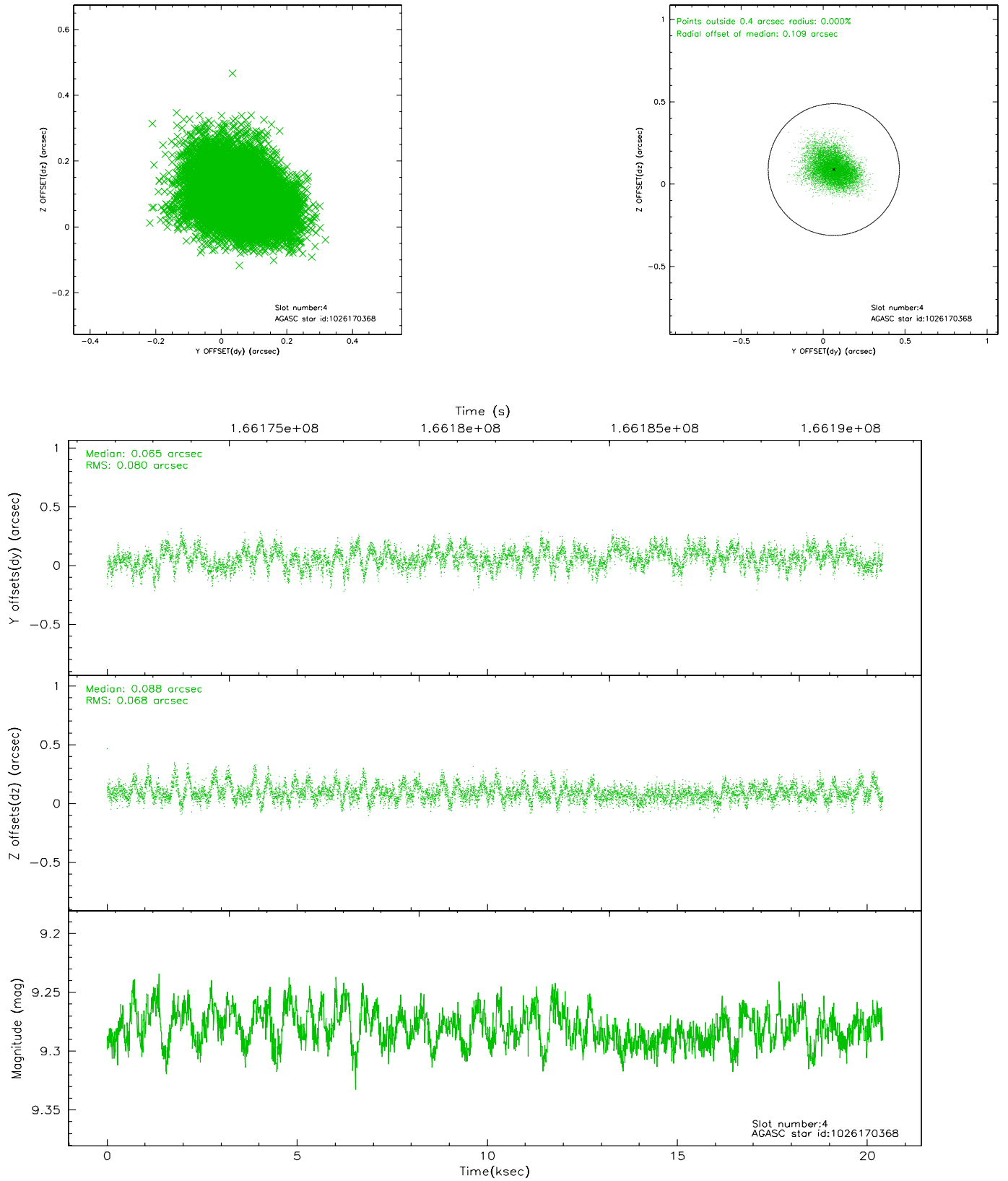


## 2.4 Star Slots

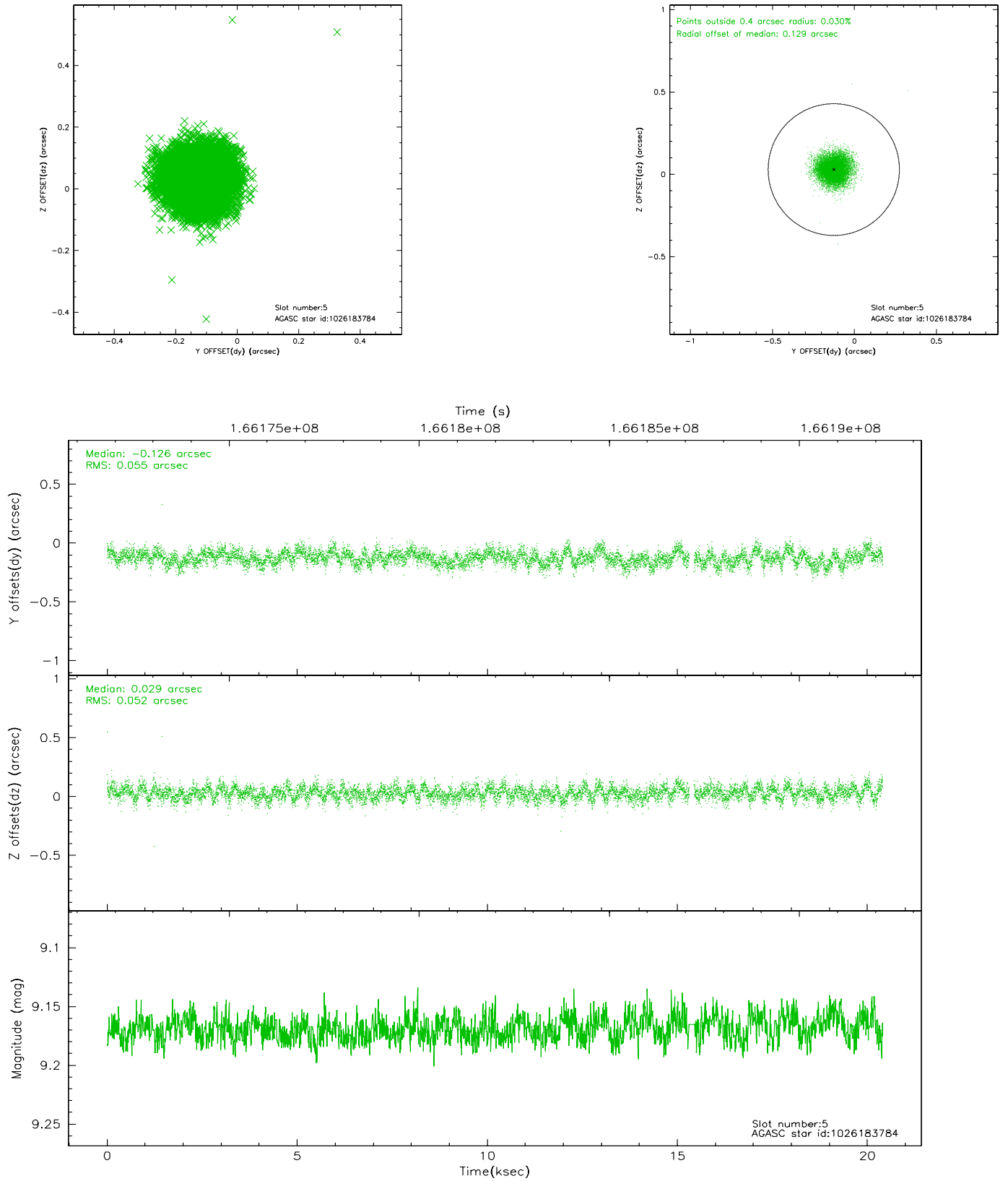
### 2.4.1 Slot 3



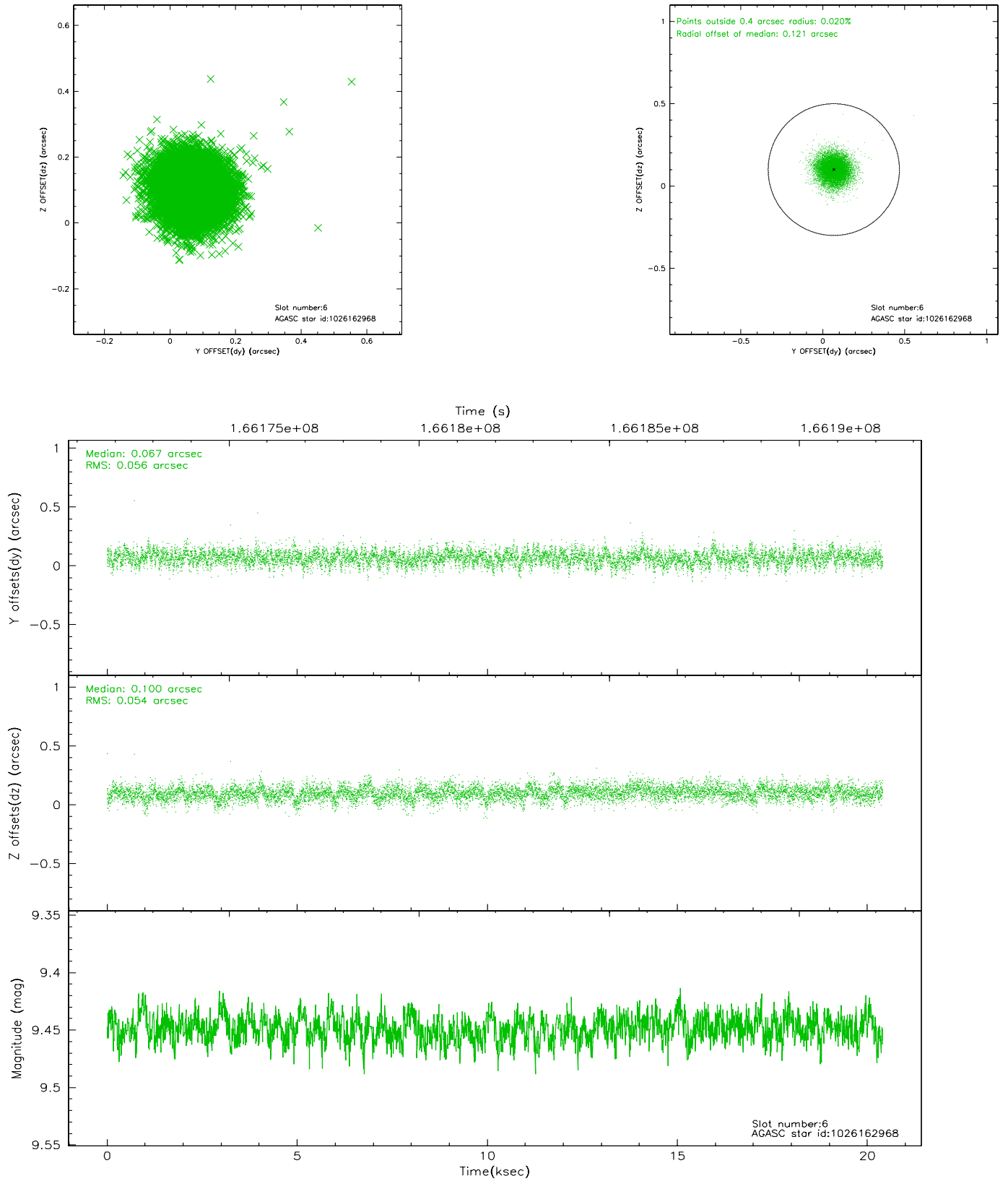
## 2.4.2 Slot 4



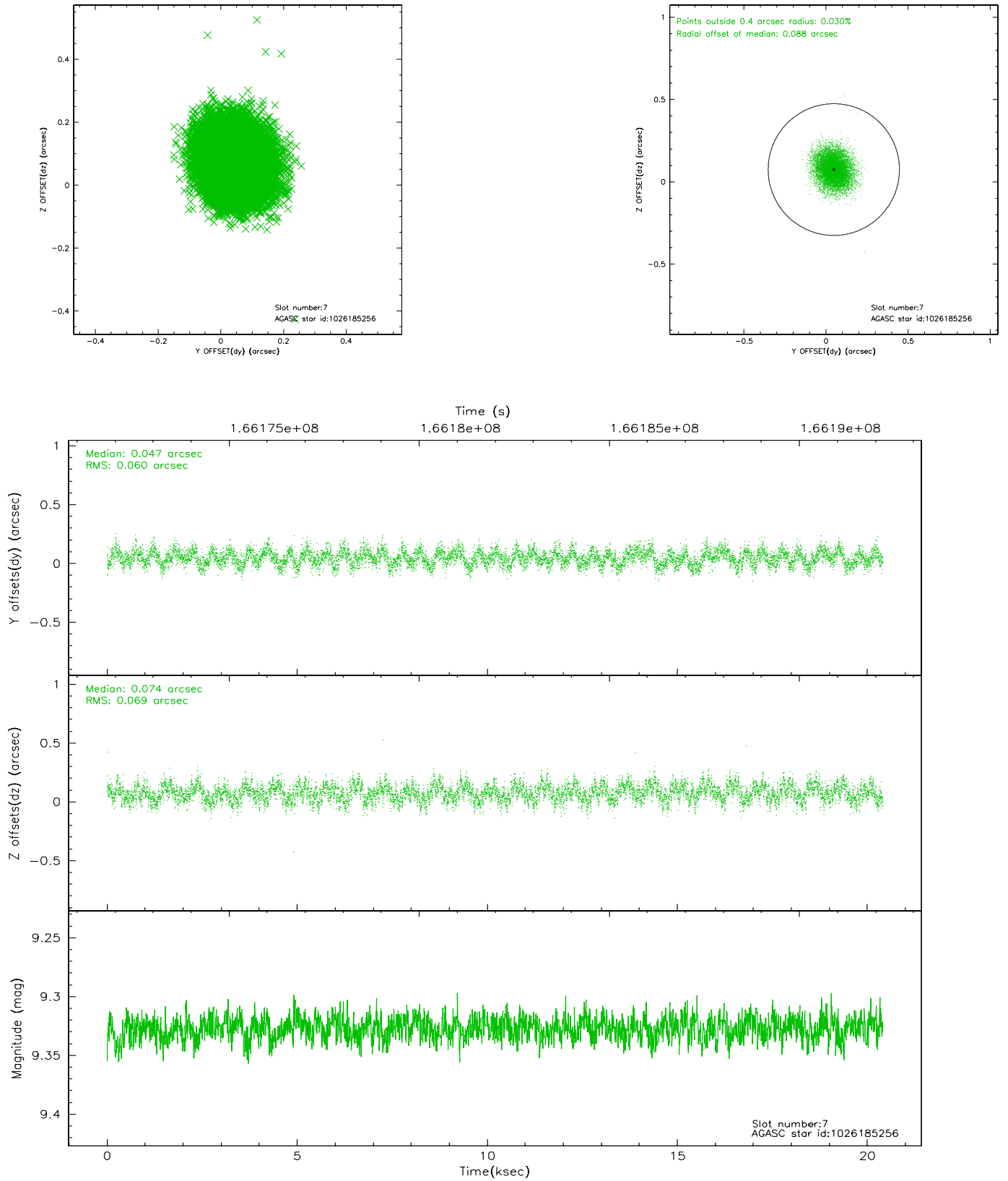
### 2.4.3 Slot 5



## 2.4.4 Slot 6

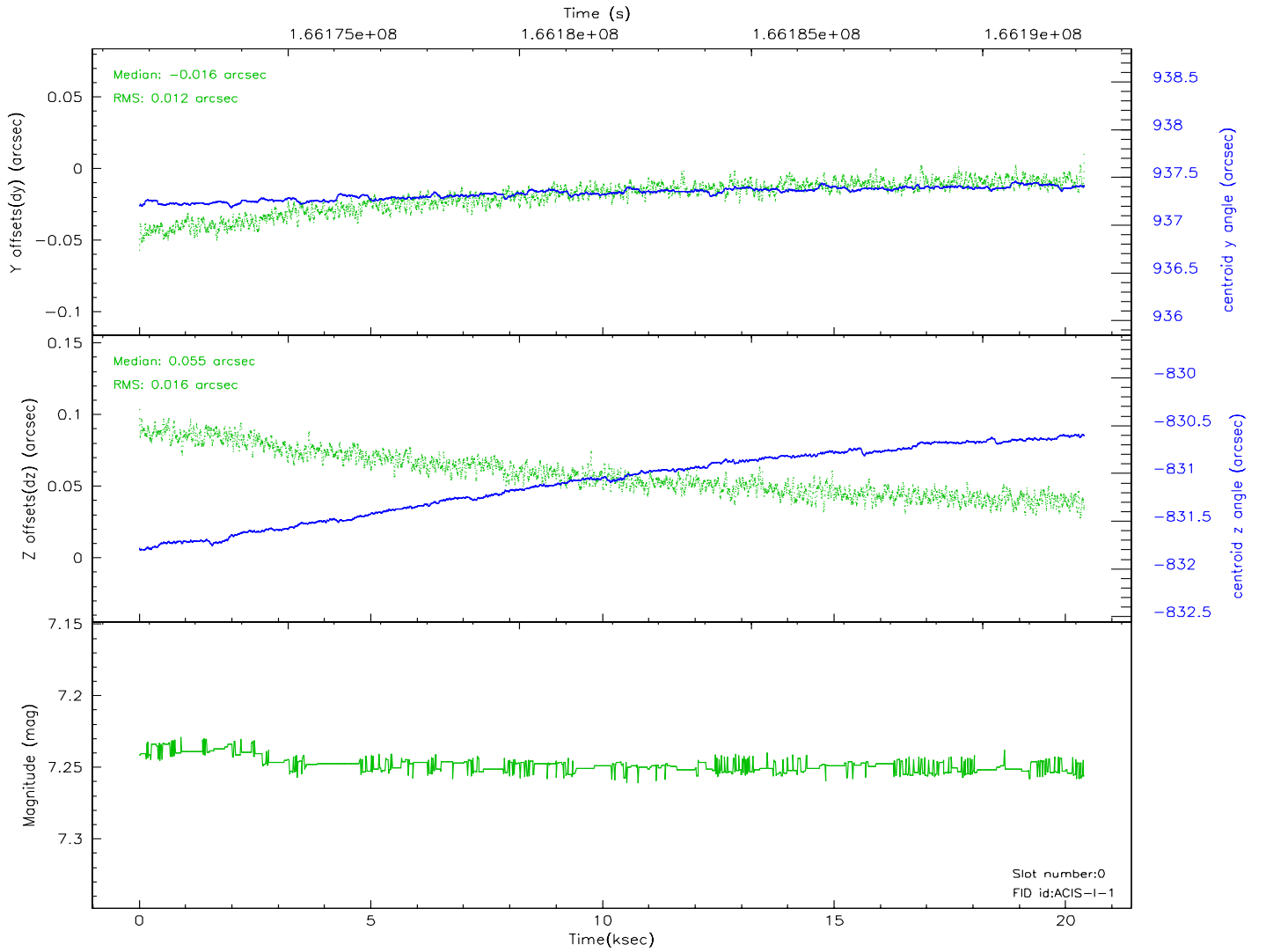
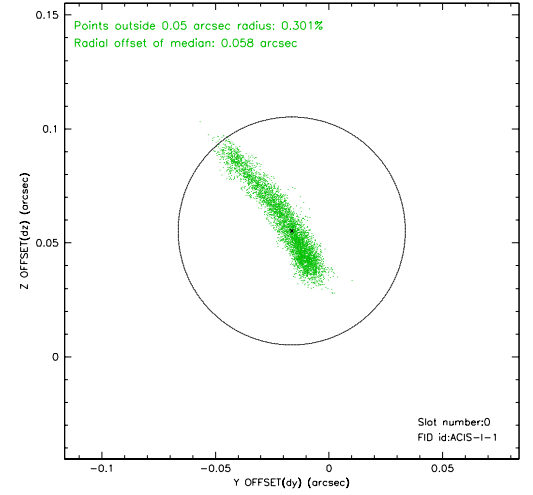
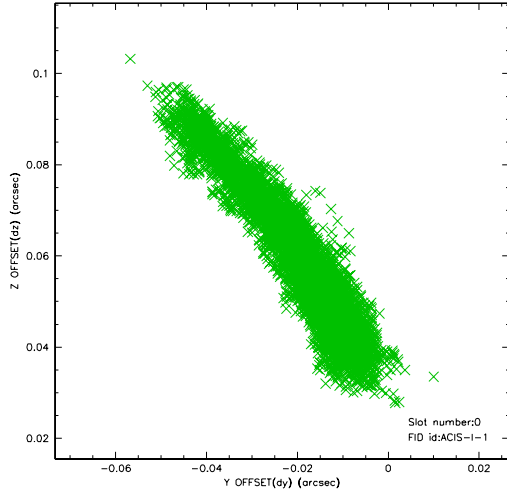


## 2.4.5 Slot 7

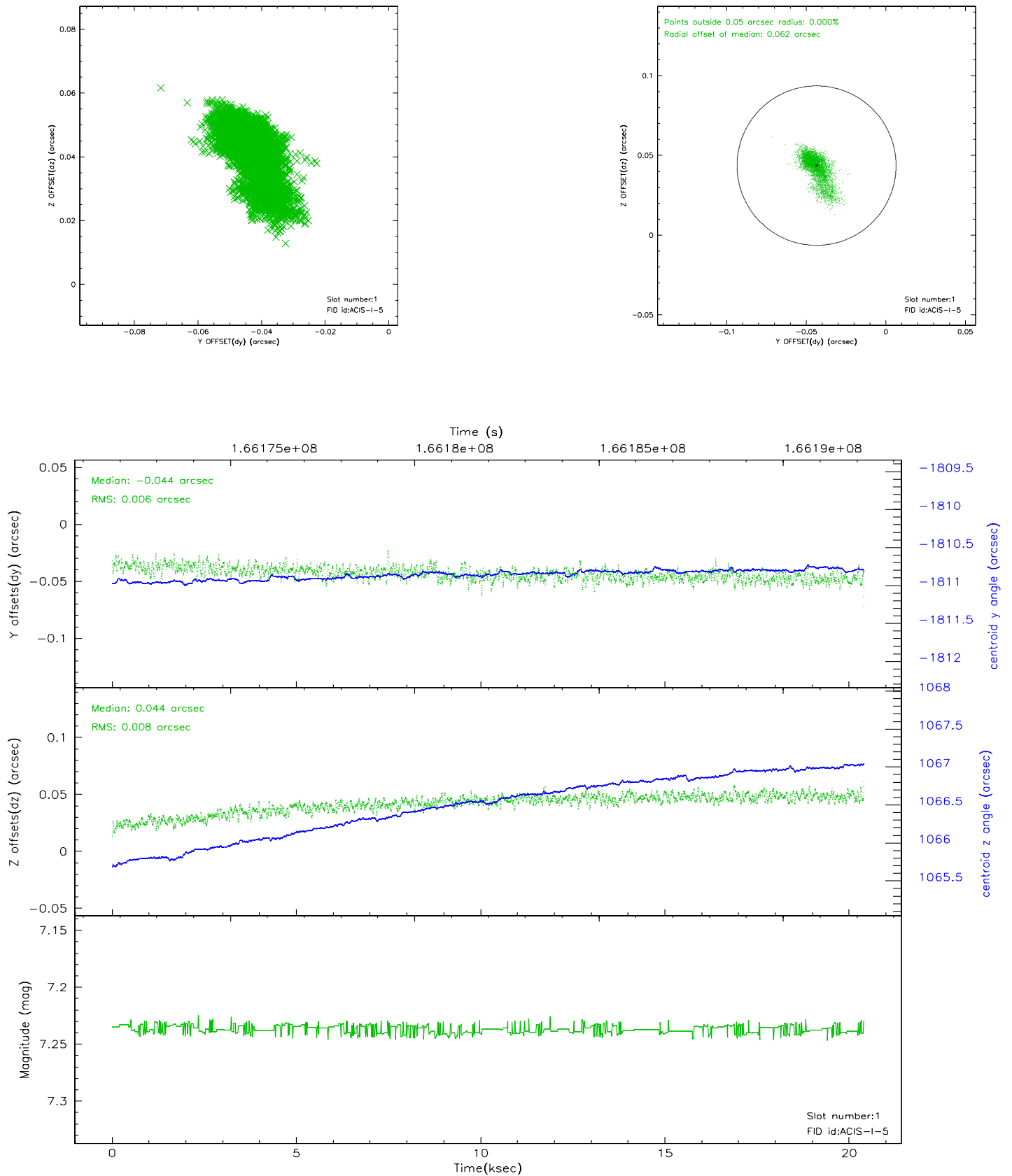


## 2.5 FID Slots

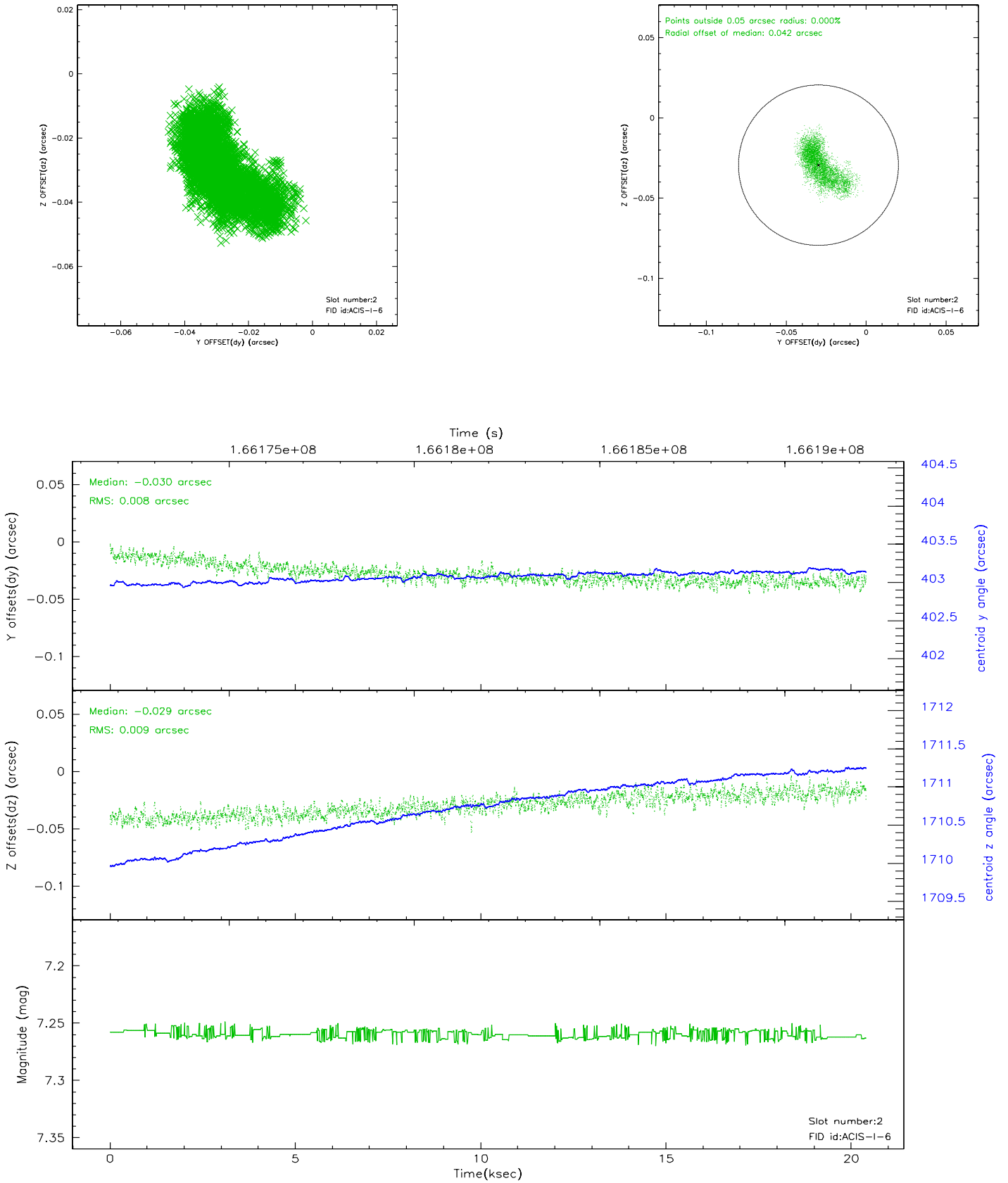
### 2.5.1 Slot 0



## 2.5.2 Slot 1

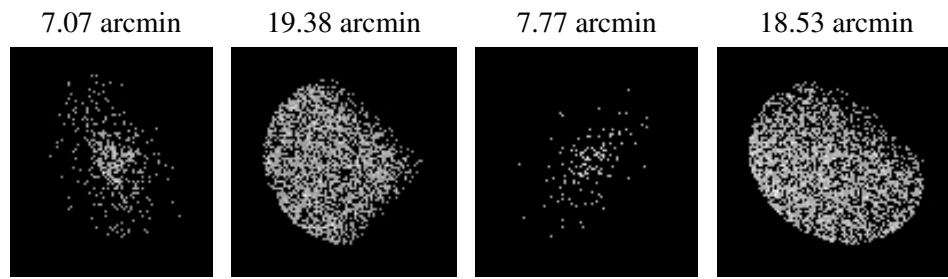


### 2.5.3 Slot 2





### 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	20.398

### A.2 Comments