

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 5319 - L2 Version 001  
Chandra X-Ray Center

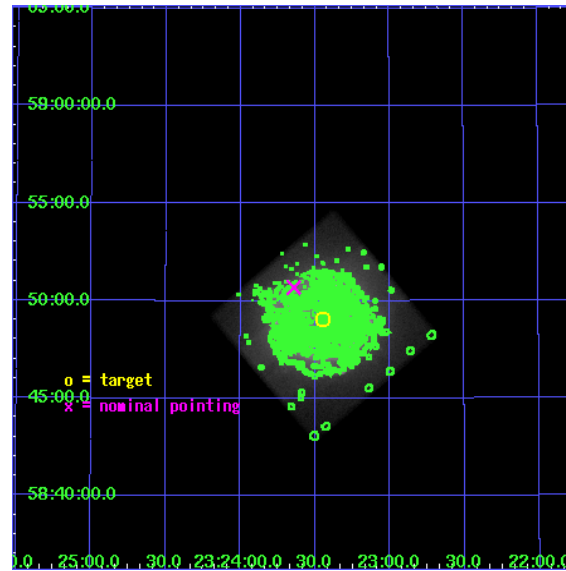
L2 Processing Date : May 25 2006

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# 1 Front

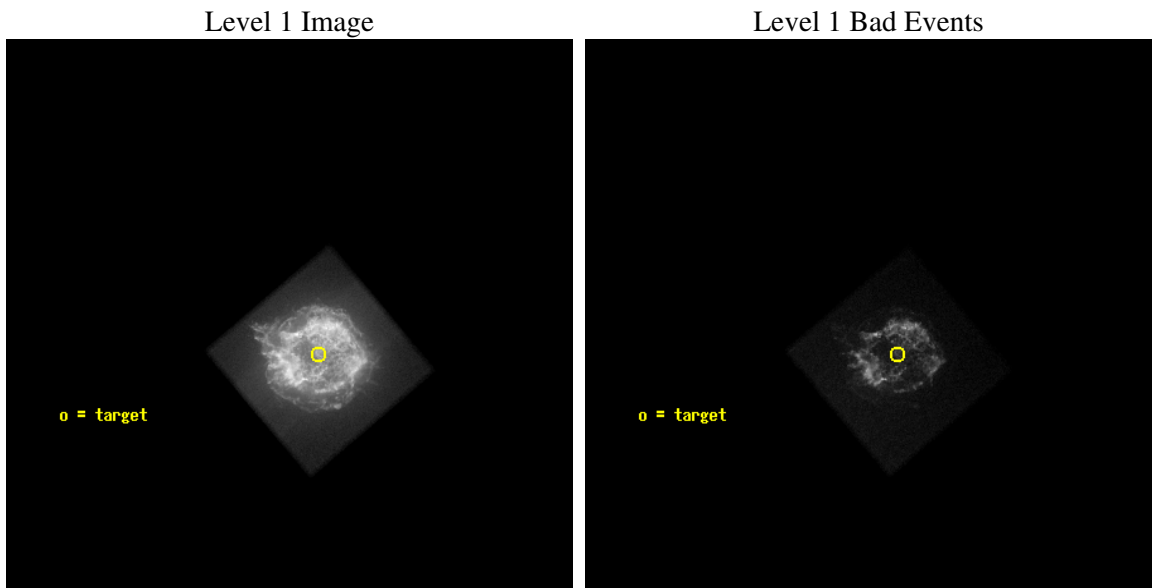
seq_num	500459
obs_id	5319
title	The Cassiopeia A Explosion: Getting at the Core Issues
observer	Dr Una Hwang
object	Cassiopeia A
dtcycle	0
cycle	P
ra_targ	350.86125
dec_targ	58.8175
ra_nom	350.91045101086
dec_nom	58.844865997473
roll_nom	49.767526031074
revision	2
ontime	42837.0
livetime	42258.898271644
ontime7	42837.0
l2events	12709158



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-05-25T17:48:11
revision	2

sched_exp_time	42388.863000
ontime	43036.272206157
ontime7	43036.272206157
l1events	13654993

### 2.1.3 Events

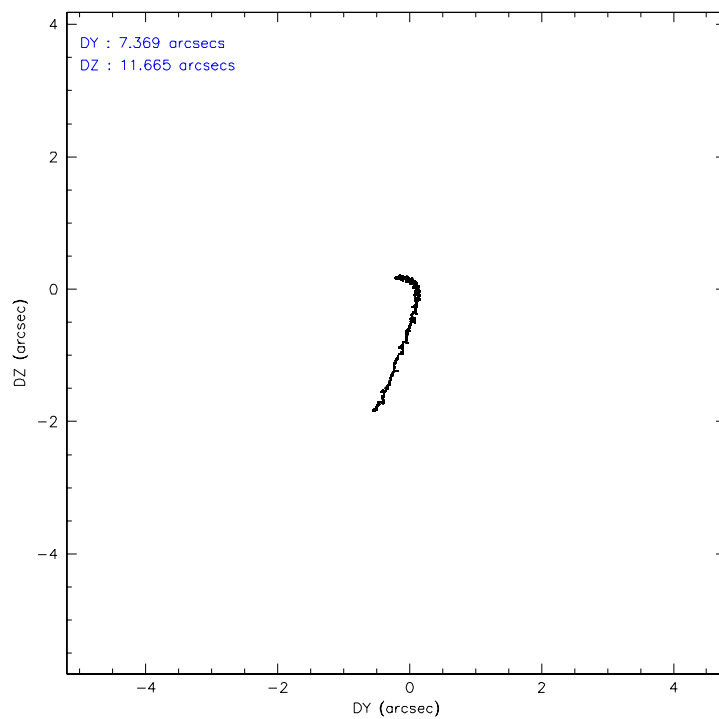
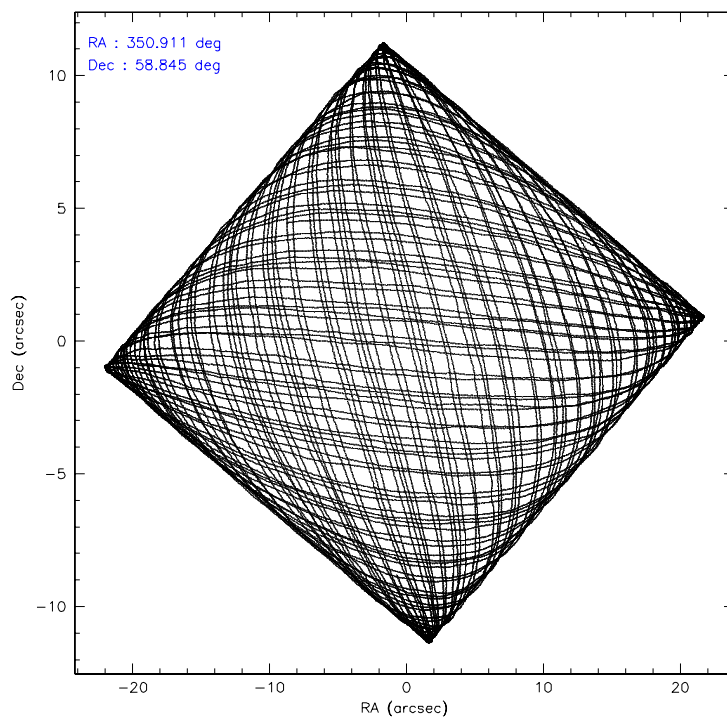
	<b>ccd 7</b>
level 1 events	13654993
rejected events	817668
rejected %	5%

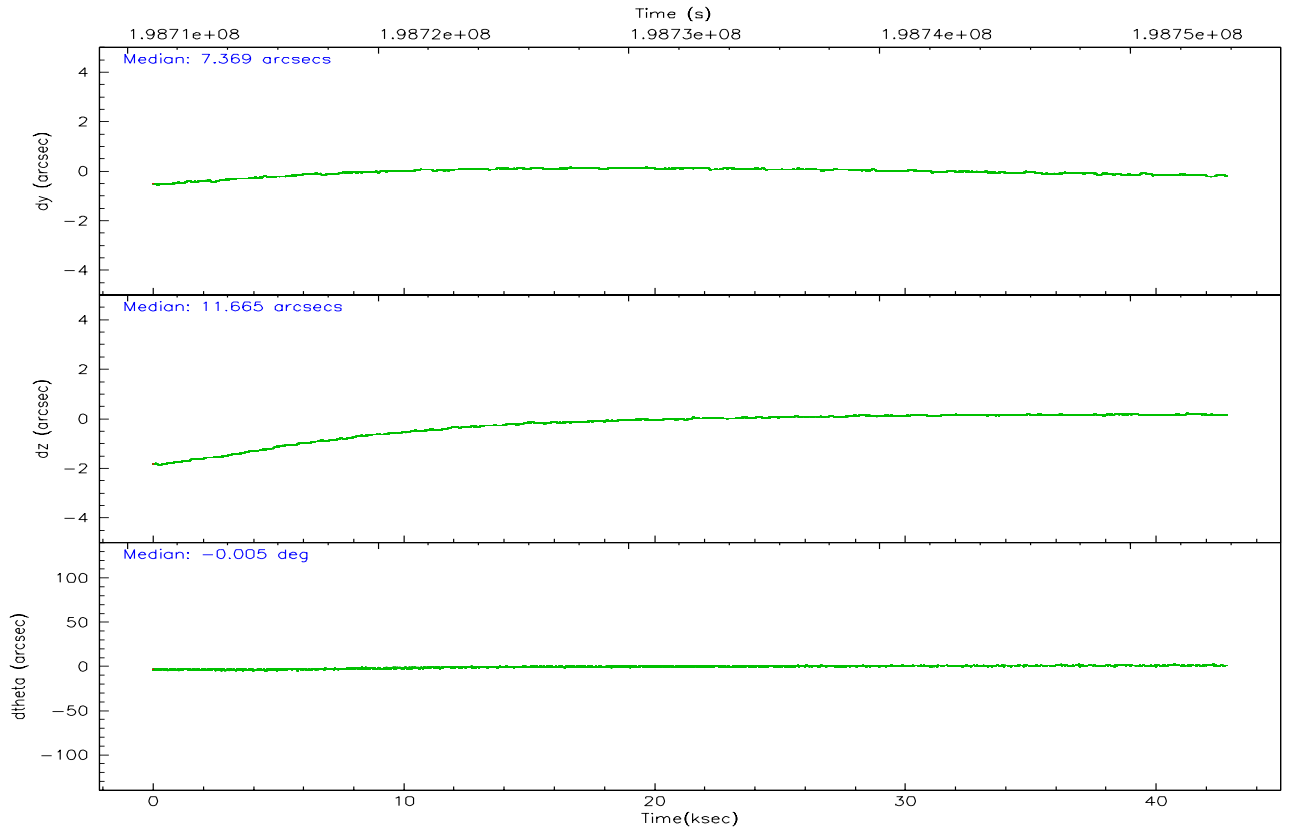
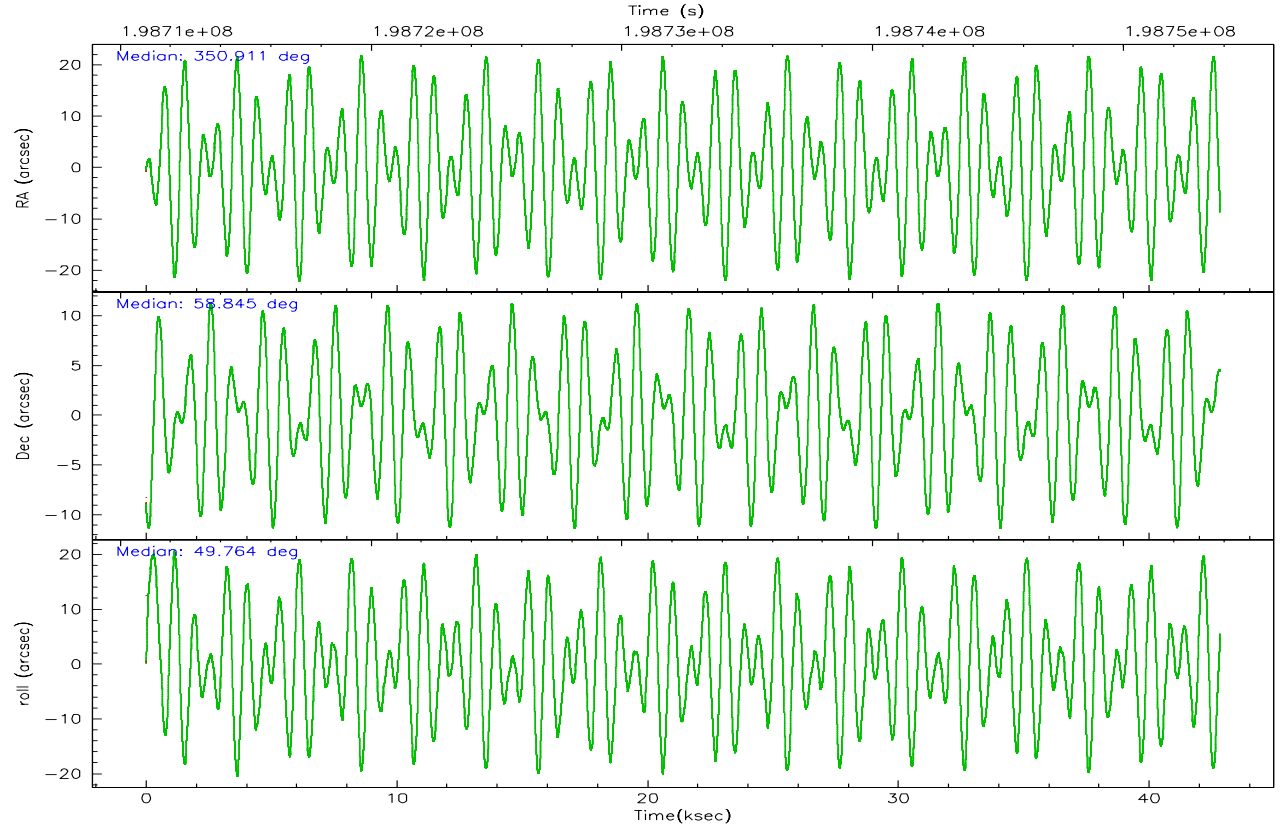
	<b>ccd 7</b>
grade 0 events	2856372
	20%
grade 1 events	51111
	0%
grade 2 events	3752830
	27%
grade 3 events	1383983
	10%
grade 4 events	1363082
	9%
grade 5 events	239537
	1%
grade 6 events	3522574
	25%
grade 7 events	485504
	3%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	GRADED	GRADED	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	350.901823	350.910451010856	Alternating exposures requested	N	N
Pointing Dec	58.818026	58.84486599747277	Primary exposure time	0.000000	3
Pointing Roll	49.618278	49.76752603107418			
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	198711472.184000	198710376.93488			
Observation start date	2004-04-18T21:36:48	2004-04-18T21:19:36			
Observation end time	198753861.184000	198754176.21181			
Observation end date	2004-04-19T09:23:17	2004-04-19T09:29:36			
Read mode	TIMED	TIMED			

## 2.3 Aspect





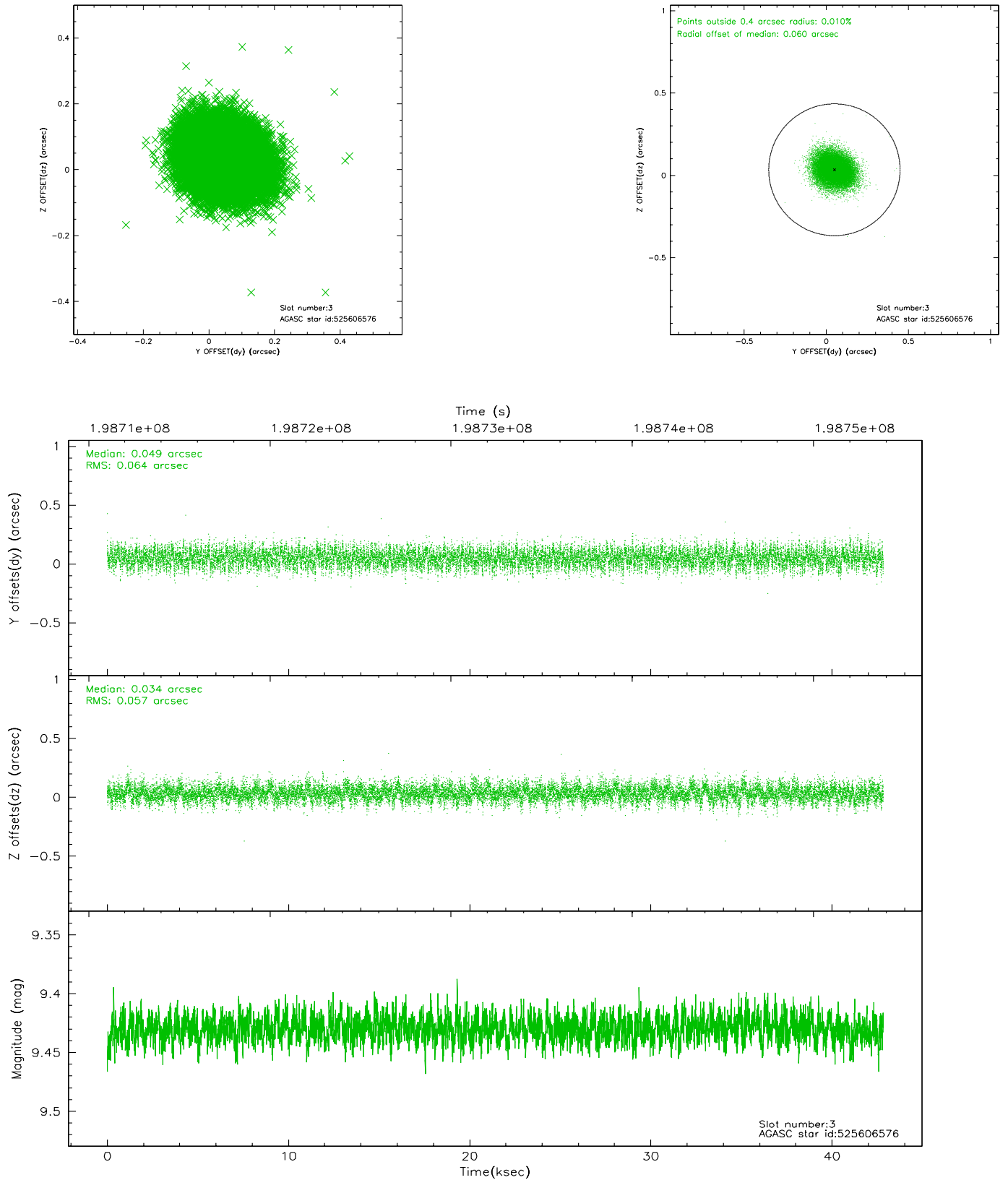
# Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	10450	0.031	-0.054	0.011	0.064	0.000000	0.000000	935.95	-1728.38
1	FID	ACIS-S-5	7.23	10448	-0.014	0.032	0.013	0.026	0.000000	0.000000	-1813.06	169.29
2	FID	ACIS-S-6	7.34	10449	-0.039	0.033	0.016	0.046	0.000000	0.000000	401.48	813.23
3	GUIDE	525606576	9.43	20889	0.049	0.034	0.091	0.146	349.543555	58.678895	-2008.69	1628.53
4	GUIDE	525732232	9.11	20883	0.015	0.017	0.073	0.121	351.669550	58.757012	767.85	-1229.22
5	GUIDE	525732488	8.41	20897	-0.058	-0.044	0.059	0.095	350.087090	58.516915	-1810.80	470.58
6	GUIDE	525736400	9.07	20888	0.033	-0.037	0.071	0.115	350.974563	59.175145	1066.39	731.12
7	GUIDE	525732528	9.37	20882	-0.040	0.030	0.092	0.149	351.607241	59.298932	2164.18	138.94

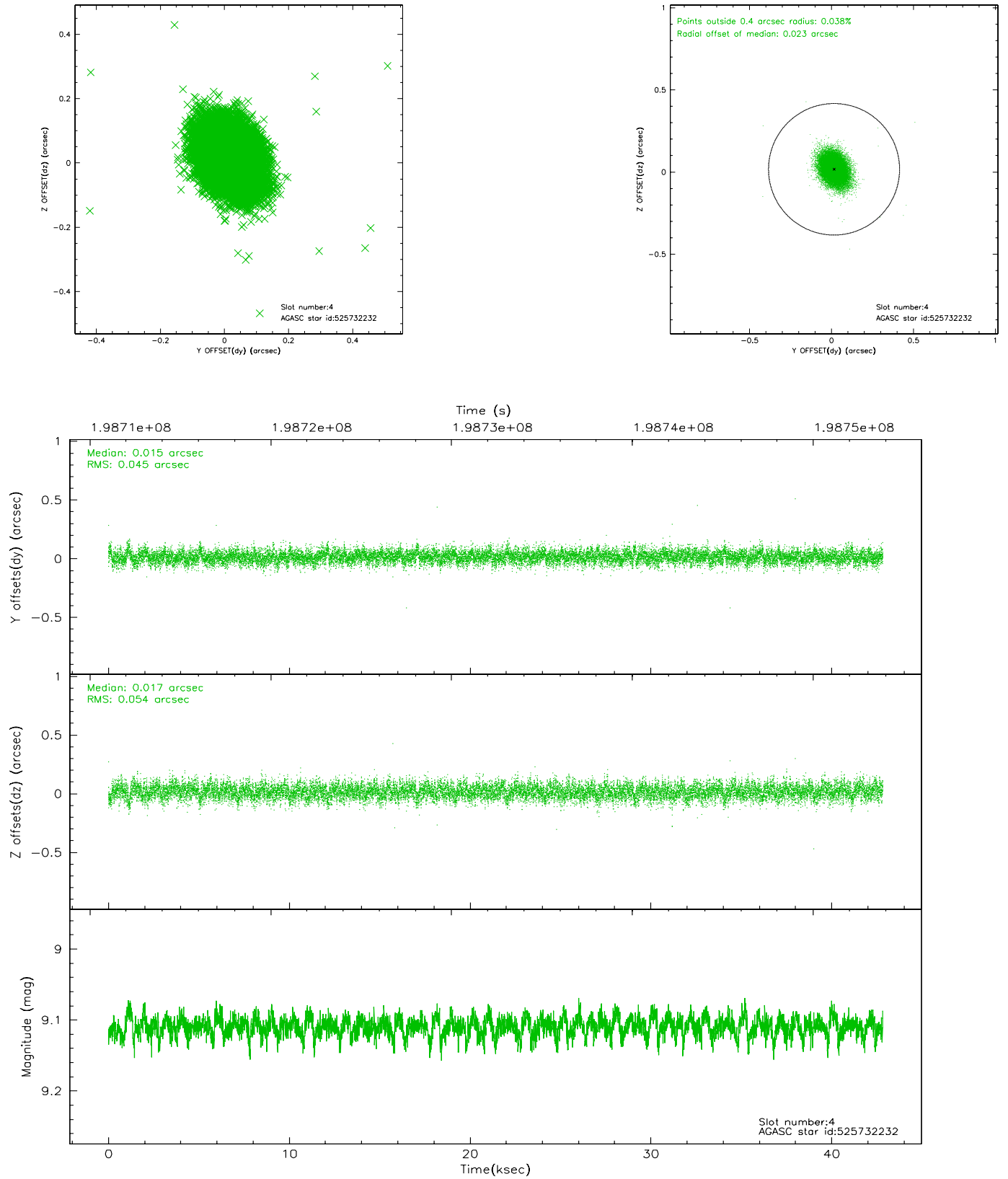


## 2.4 Star Slots

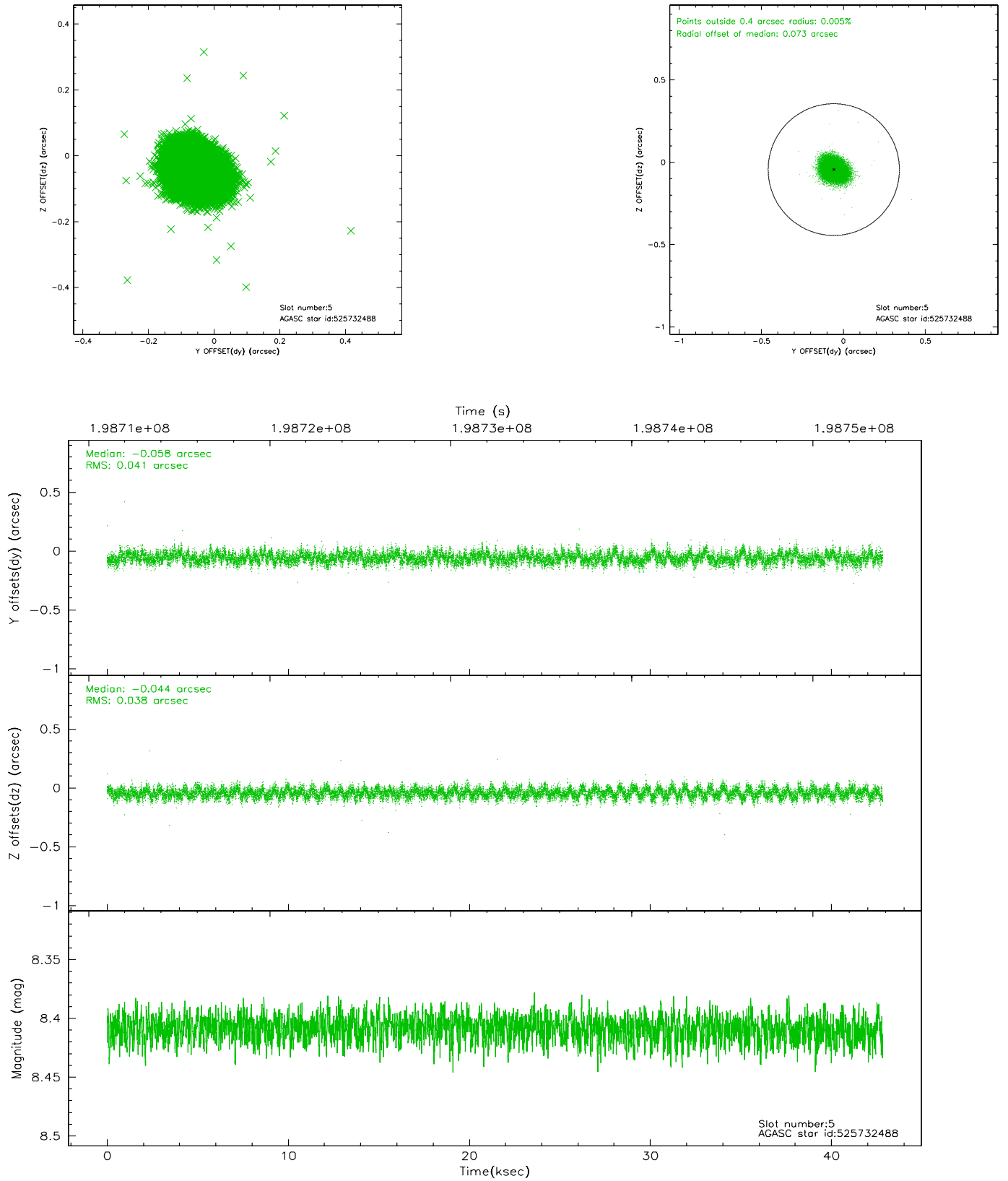
### 2.4.1 Slot 3



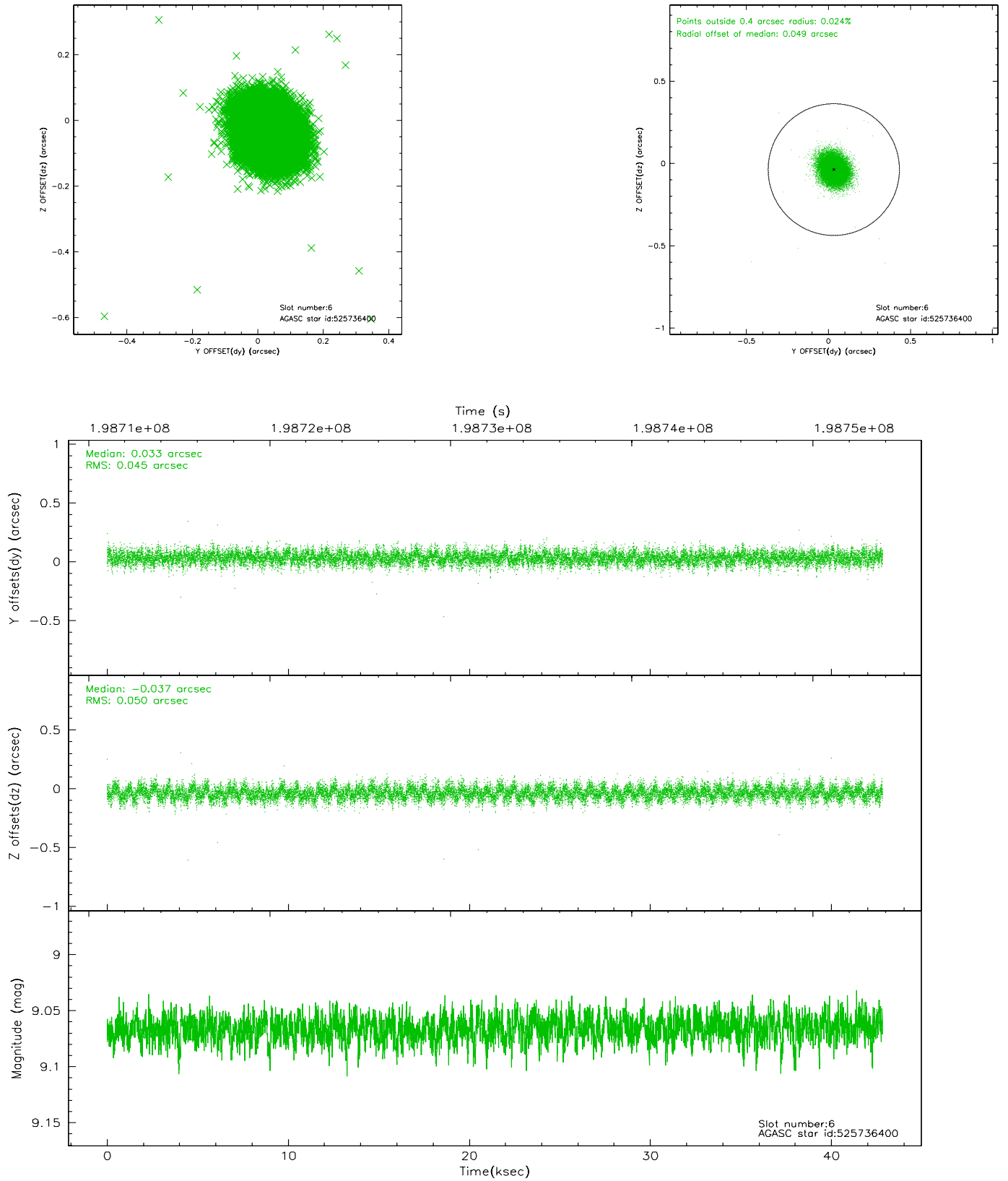
## 2.4.2 Slot 4



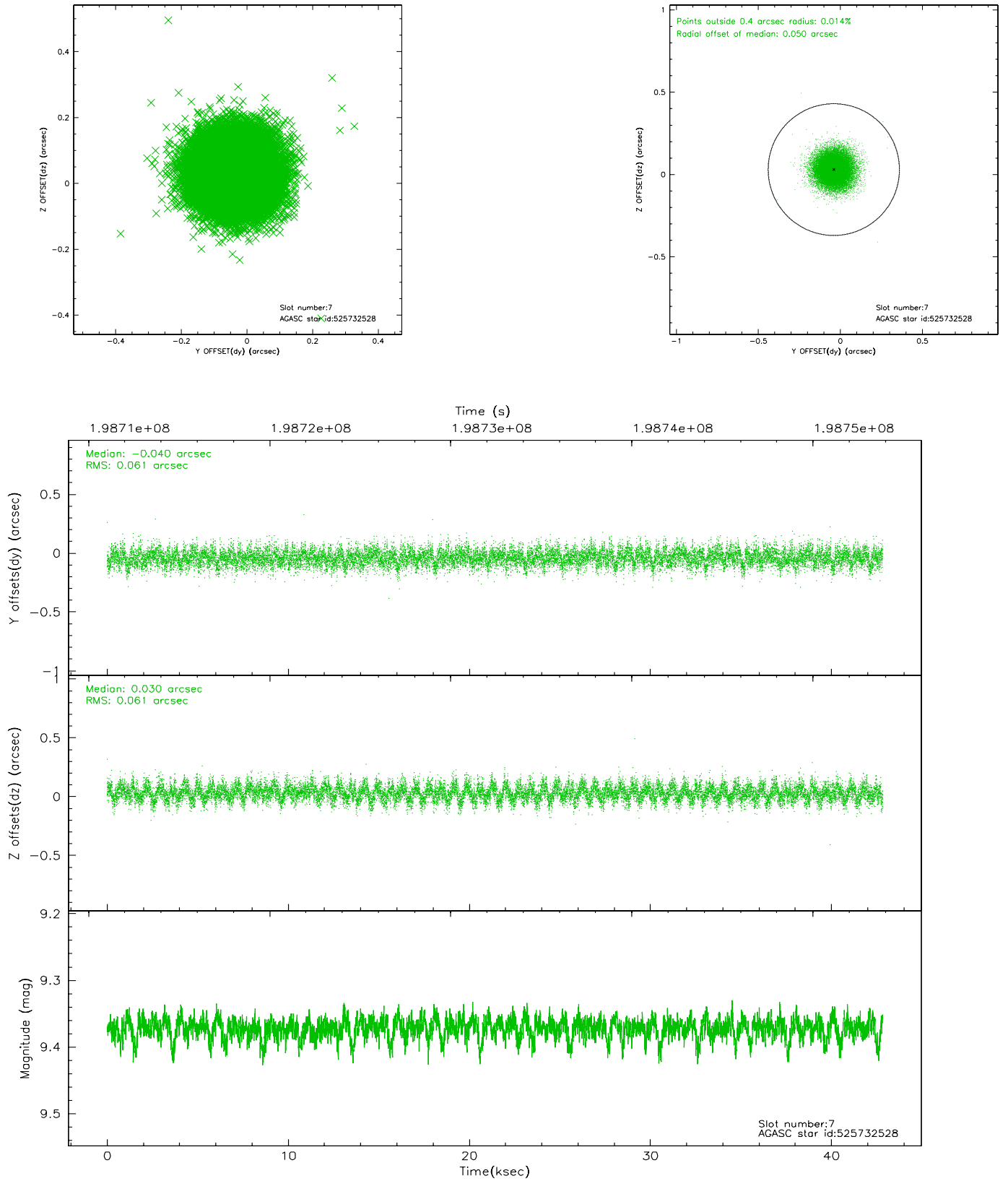
### 2.4.3 Slot 5



## 2.4.4 Slot 6

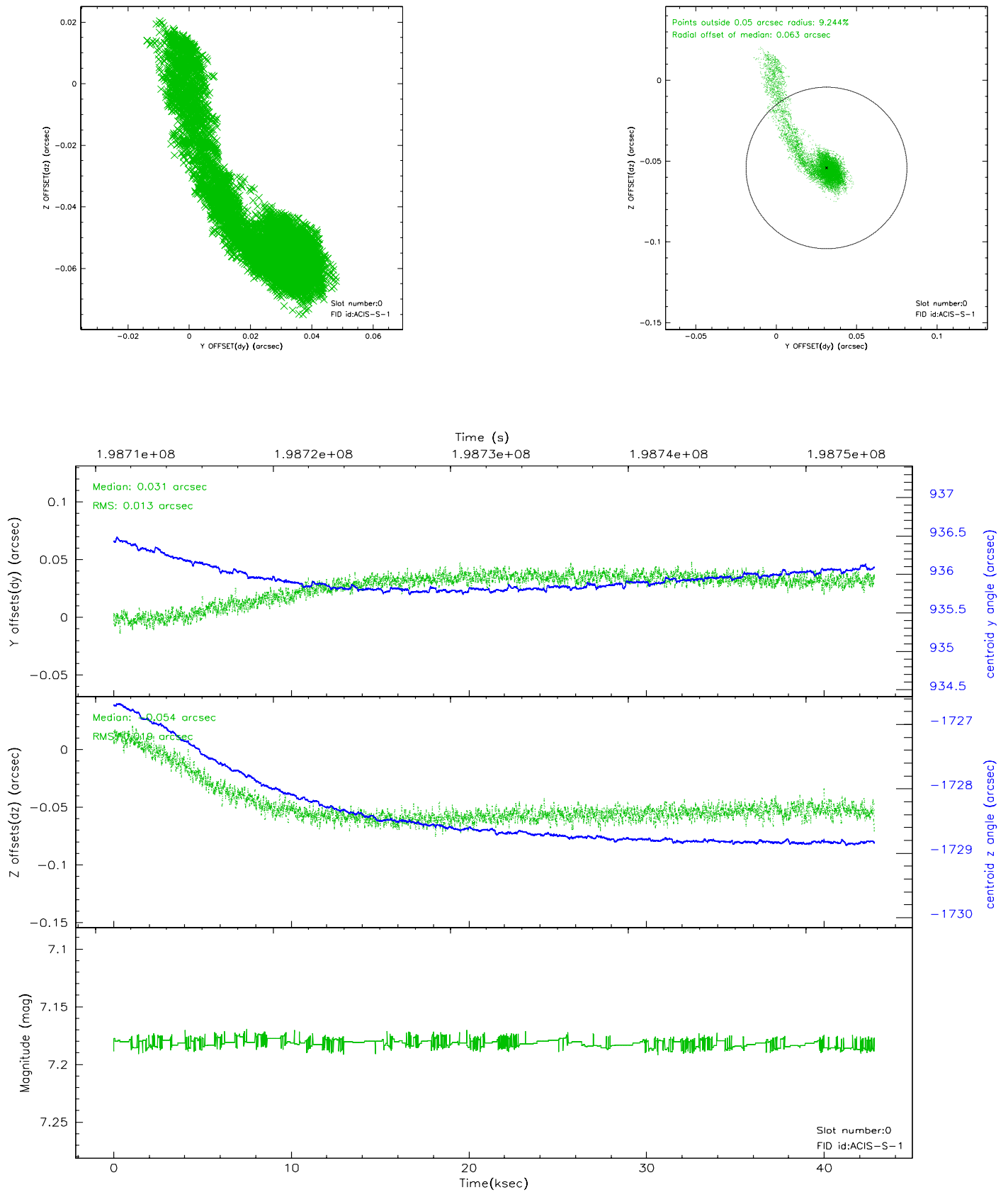


## 2.4.5 Slot 7

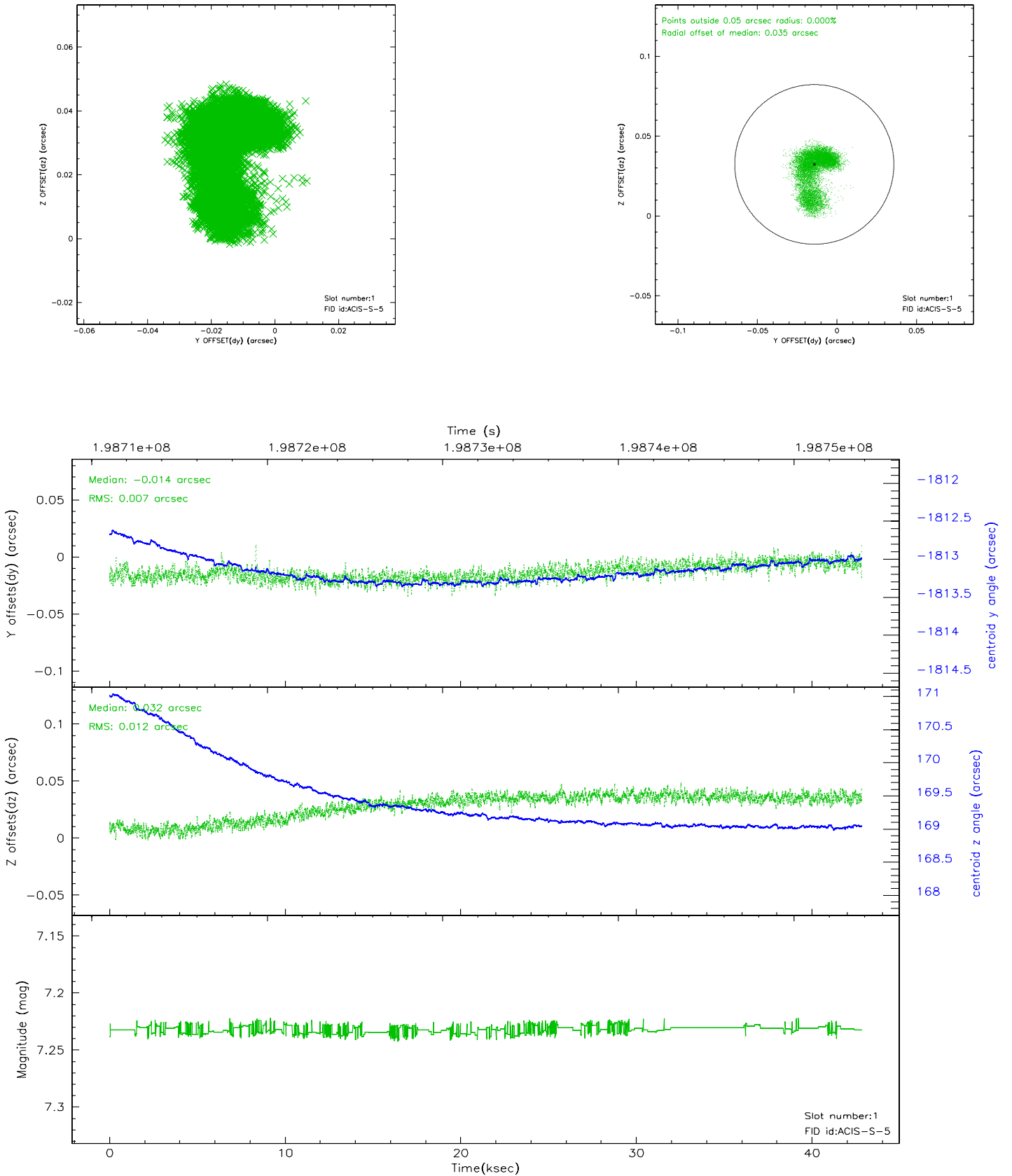


## 2.5 FID Slots

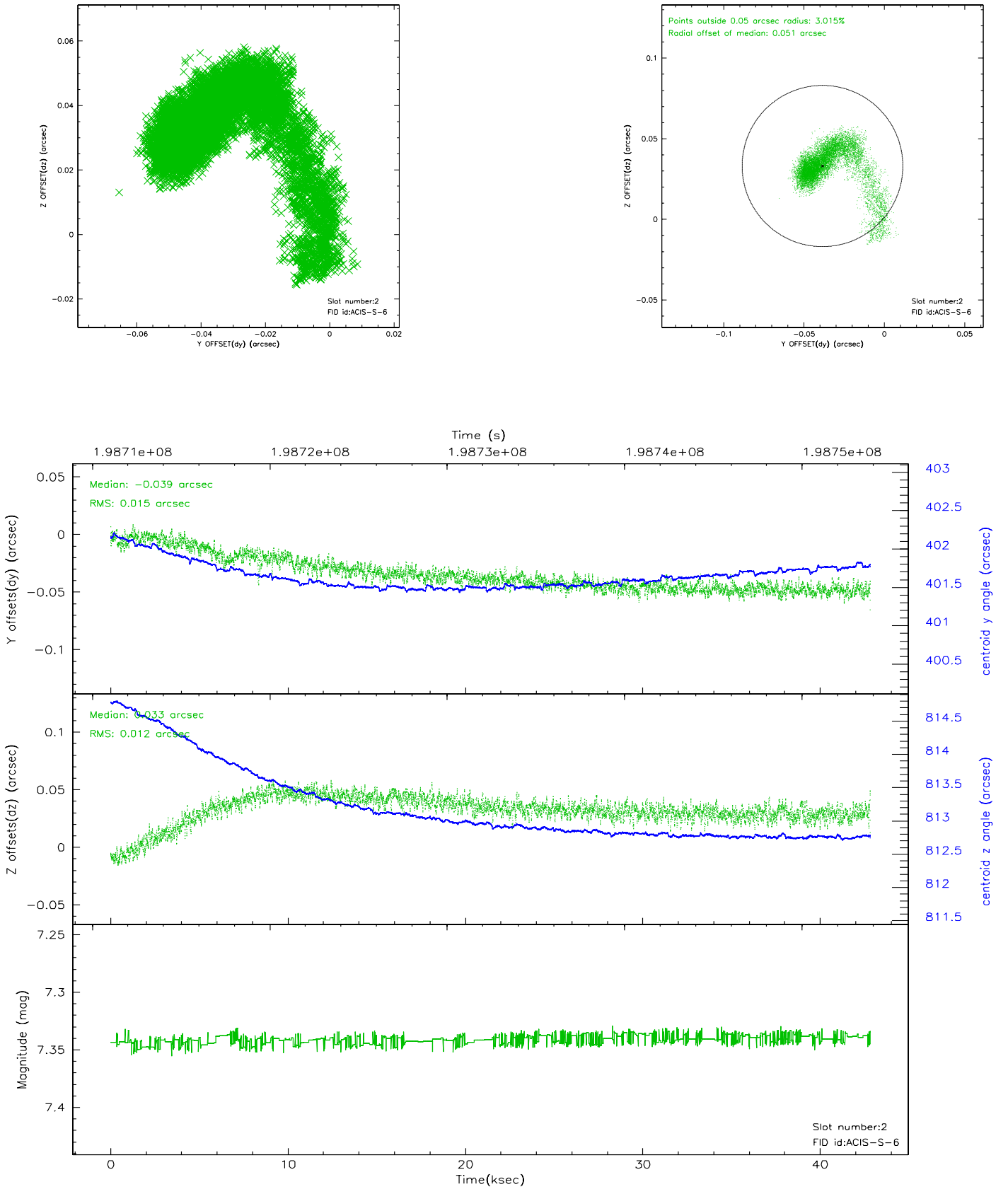
### 2.5.1 Slot 0



## 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)	2006.05.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	42.837

### A.2 Comments