

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4639 - L2 Version 001  
Chandra X-Ray Center

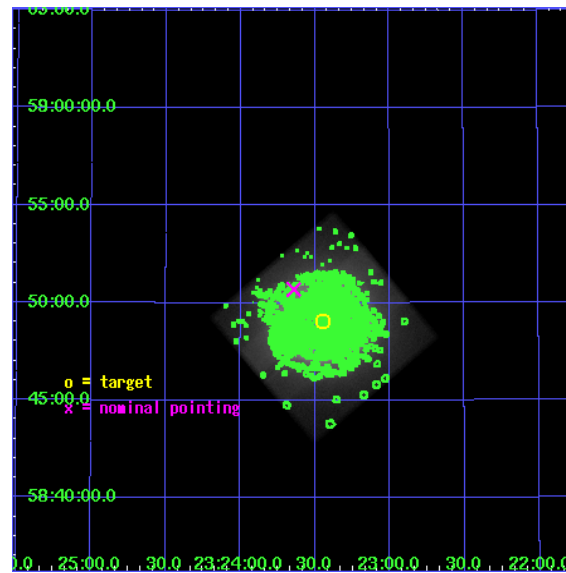
L2 Processing Date : May 23 2006

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# 1 Front

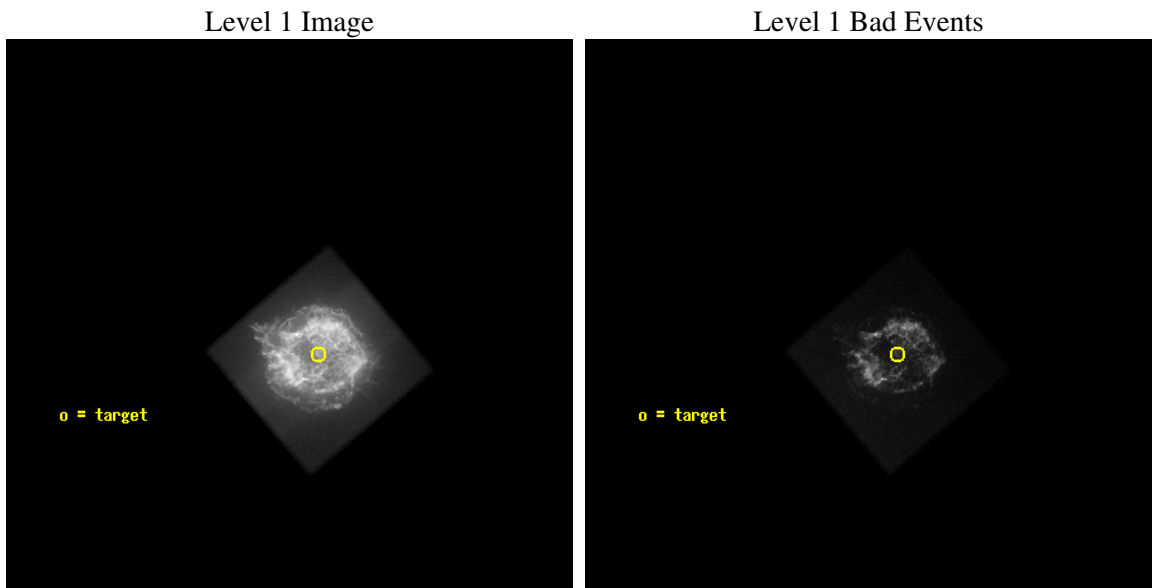
seq_num	500459
obs_id	4639
title	The Cassiopeia A Explosion: Getting at the Core Issues
observer	Dr Una Hwang
object	Cassiopeia A
dtcycle	0
cycle	P
ra_targ	350.86125
dec_targ	58.8175
ra_nom	350.91044386802
dec_nom	58.844867894628
roll_nom	49.767538380581
revision	2
ontime	80127.0
livetime	79045.655433668
ontime7	80127.0
l2events	23807652



## 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	2006-05-22T19:25:07
revision	2

sched_exp_time	80000.000000
ontime	81298.141953528
ontime7	81298.141953528
l1events	25503257

### 2.1.3 Events

	<b>ccd 7</b>
level 1 events	25503257
rejected events	1458500
rejected %	5%

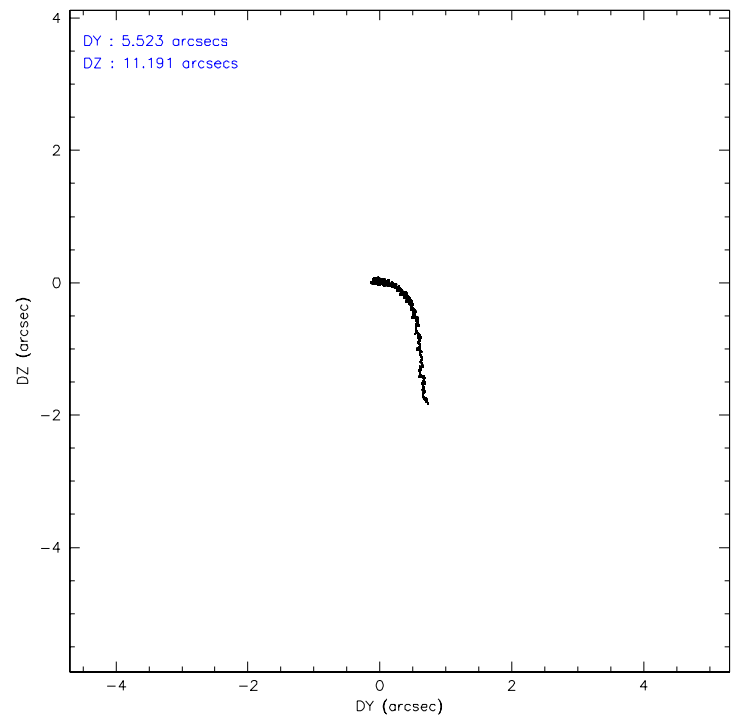
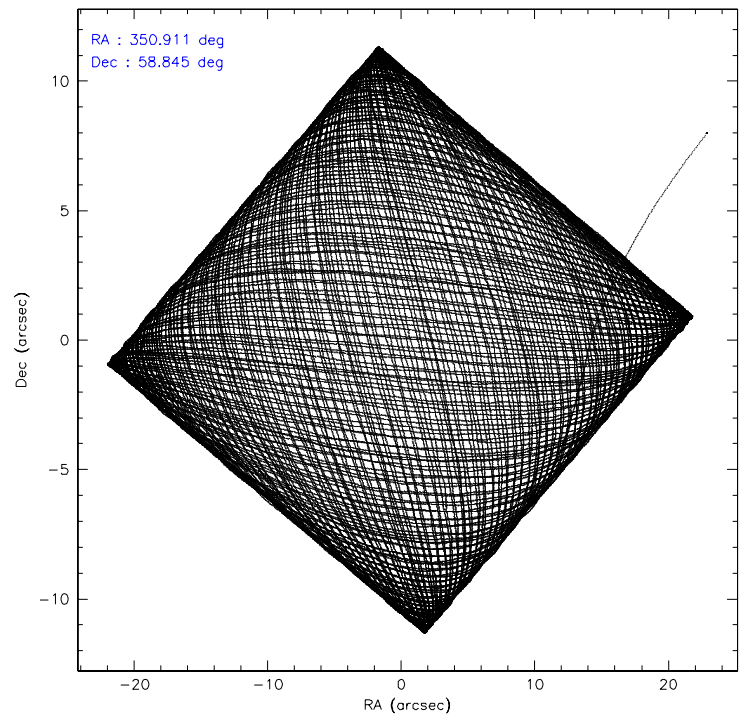
	<b>ccd 7</b>
grade 0 events	5481041
	21%
grade 1 events	97888
	0%
grade 2 events	6985793
	27%
grade 3 events	2621396
	10%
grade 4 events	2584204
	10%
grade 5 events	438330
	1%
grade 6 events	6432693
	25%
grade 7 events	861912
	3%

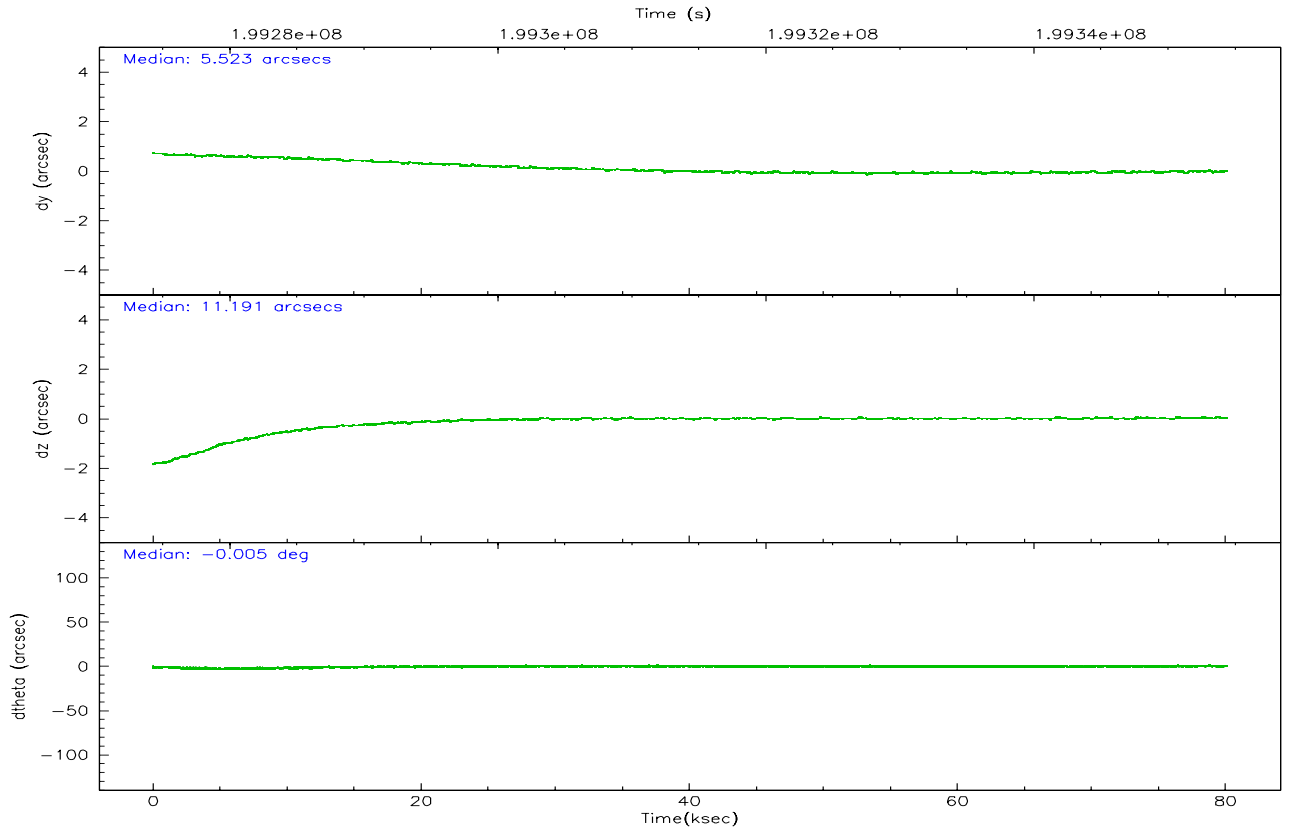
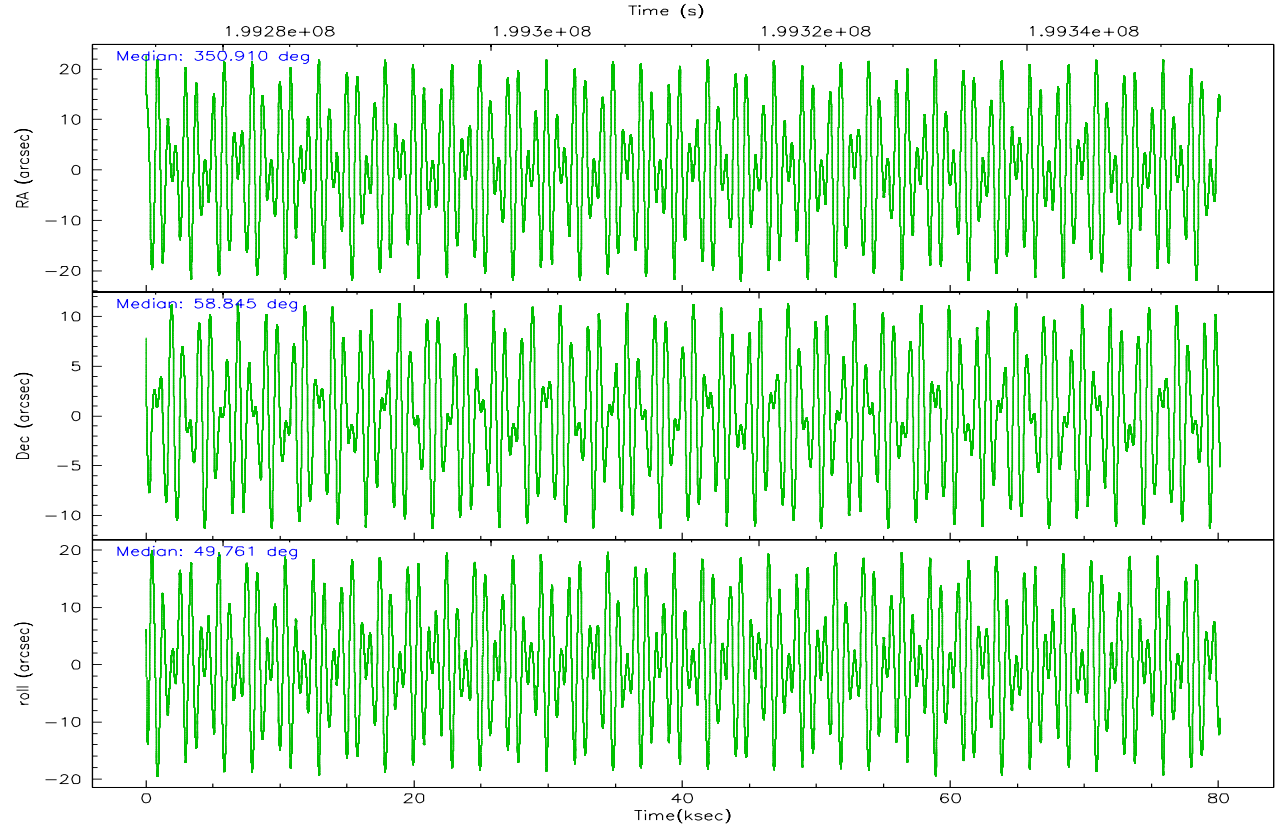


## 2.2 Compared Parameters

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	350.910443868018	Alternating exposures requested	N	N
Pointing Dec	58.818026	58.84486789462839	Primary exposure time	0.000000	3
Pointing Roll	49.618278	49.7675383805806			
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	199274423.184000	199273125.02218			
Observation start date	2004-04-25T09:59:19	2004-04-25T09:38:45			
Observation end time	199354423.184000	199355678.01332			
Observation end date	2004-04-26T08:12:39	2004-04-26T08:34:38			
Read mode	TIMED	TIMED			

2.3 Aspect



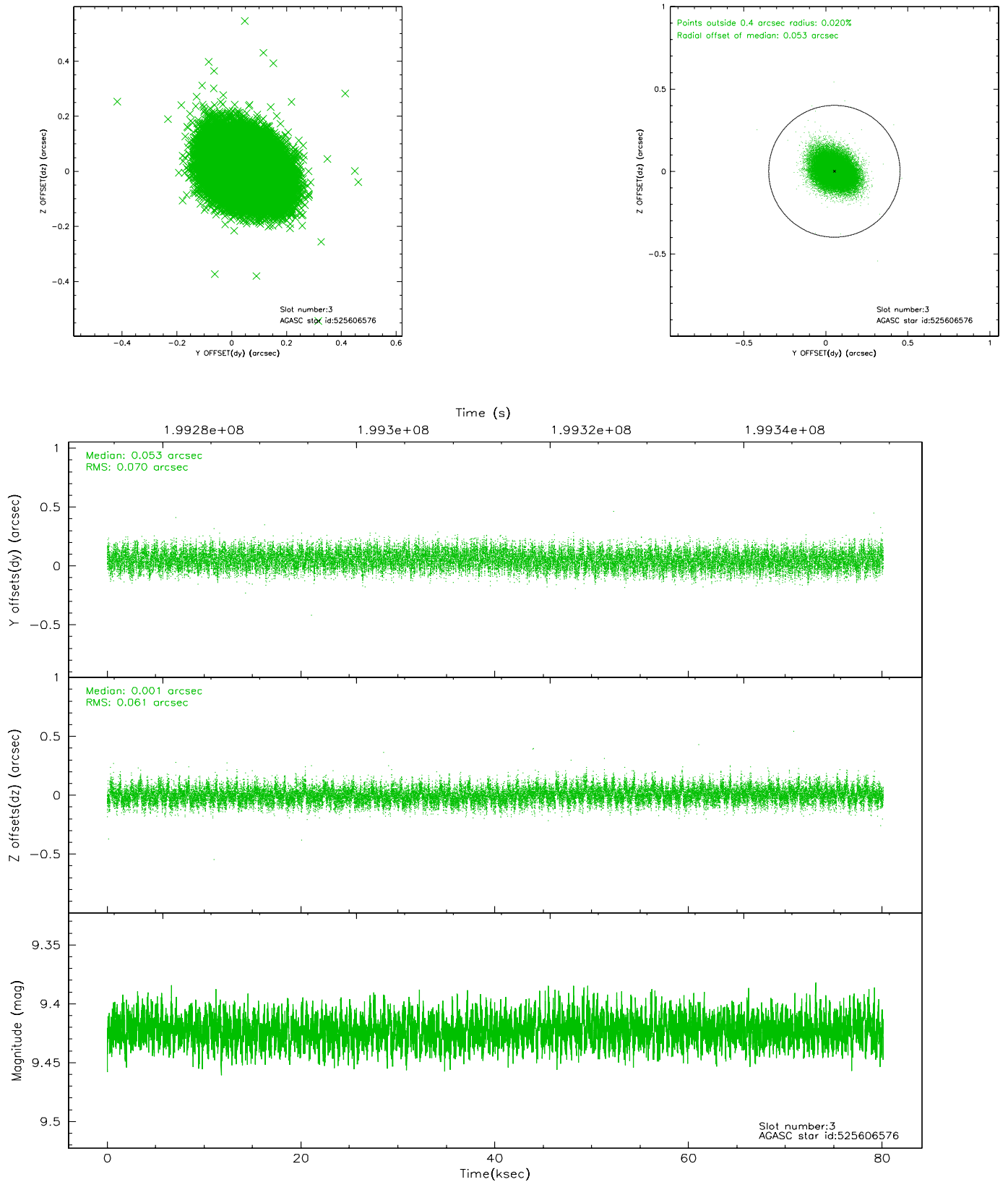


### Slot Statistics

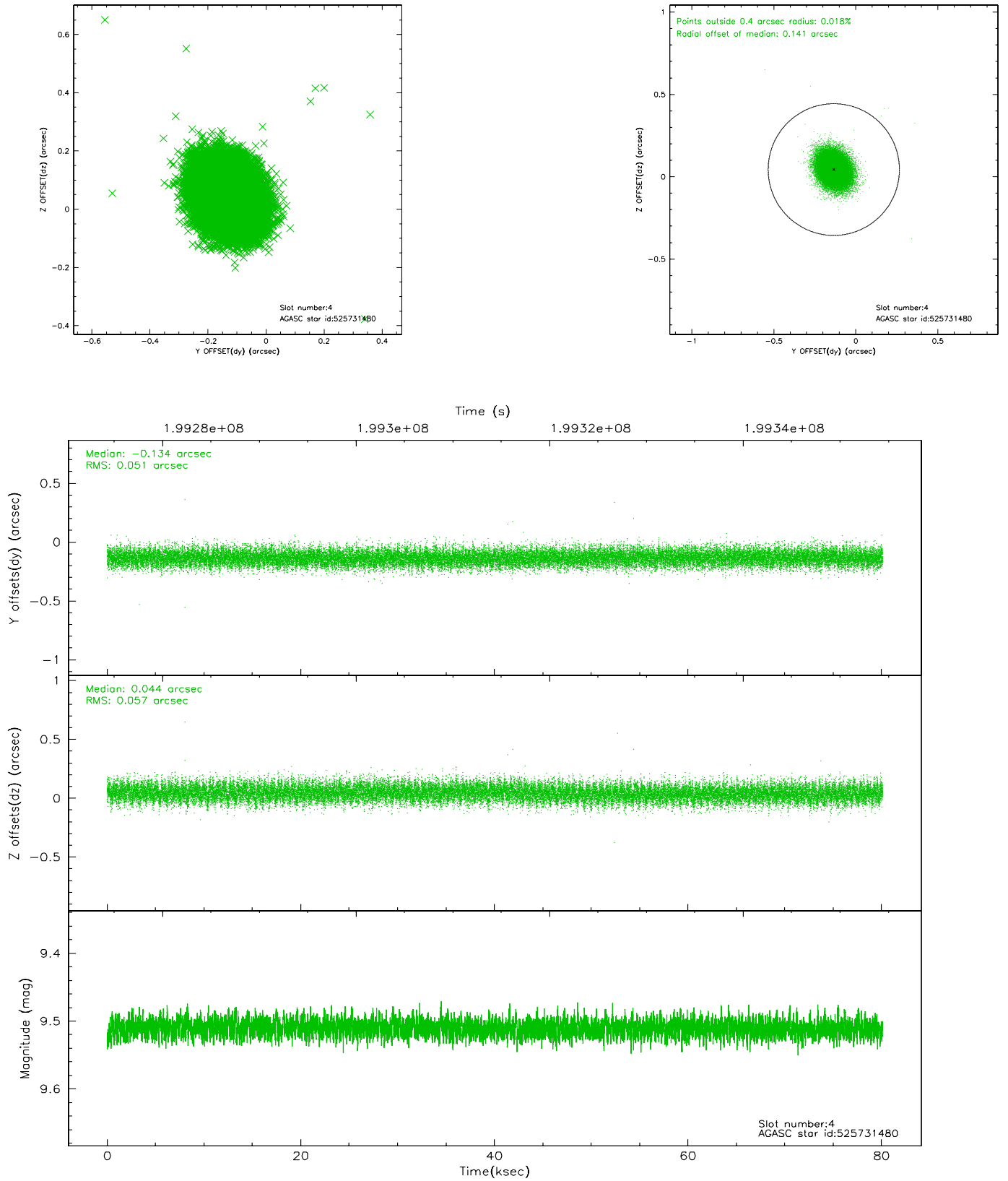
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	19543	-0.017	-0.048	0.013	0.046	0.000000	0.000000	937.62	-1727.98
1	FID	ACIS-S-4	7.20	19543	0.039	0.046	0.014	0.030	0.000000	0.000000	2155.06	176.33
2	FID	ACIS-S-5	7.23	19544	-0.046	0.015	0.016	0.022	0.000000	0.000000	-1811.36	169.85
3	GUIDE	525606576	9.42	39067	0.053	0.001	0.099	0.159	349.543555	58.678895	-2008.71	1628.42
4	GUIDE	525731480	9.51	39044	-0.134	0.044	0.080	0.132	351.647209	58.687294	551.11	-1361.72
5	GUIDE	525732232	9.11	39068	0.069	0.044	0.074	0.124	351.669550	58.757012	768.13	-1229.26
6	GUIDE	525732488	8.41	39084	-0.030	-0.086	0.063	0.100	350.087090	58.516915	-1810.76	470.50
7	GUIDE	525736400	9.07	39074	0.041	-0.006	0.071	0.114	350.974563	59.175145	1066.46	731.21

## 2.4 Star Slots

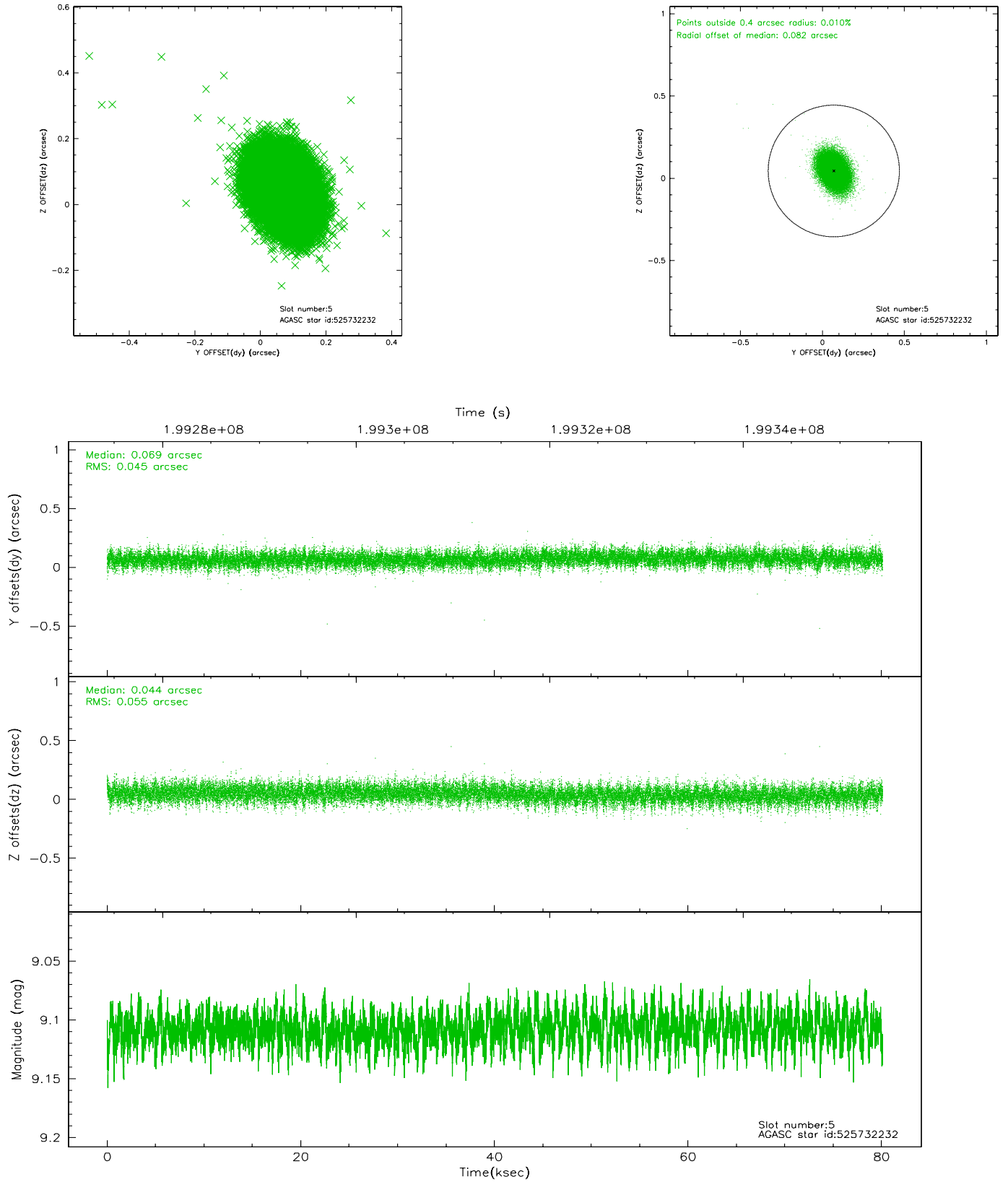
### 2.4.1 Slot 3



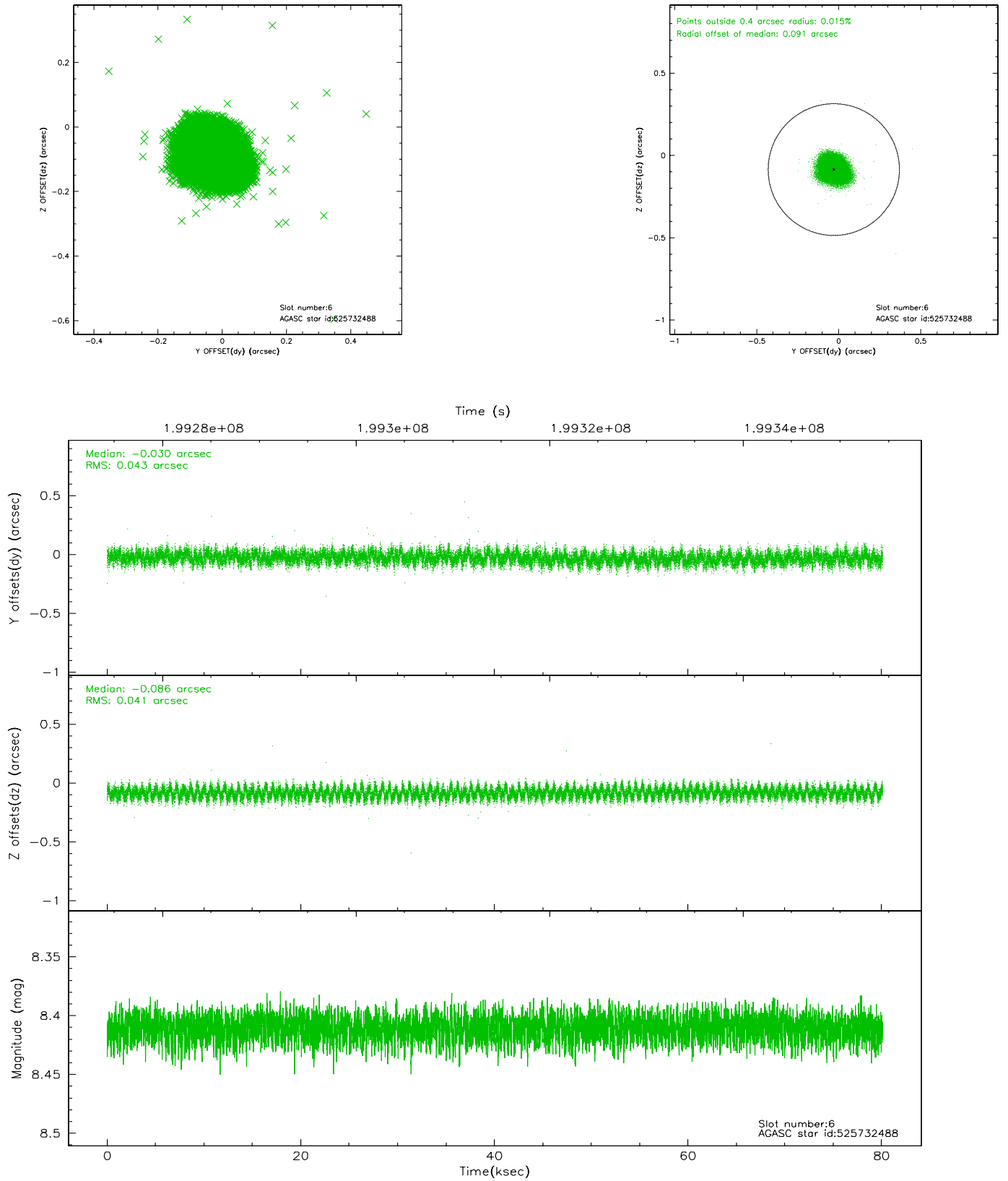
## 2.4.2 Slot 4



### 2.4.3 Slot 5

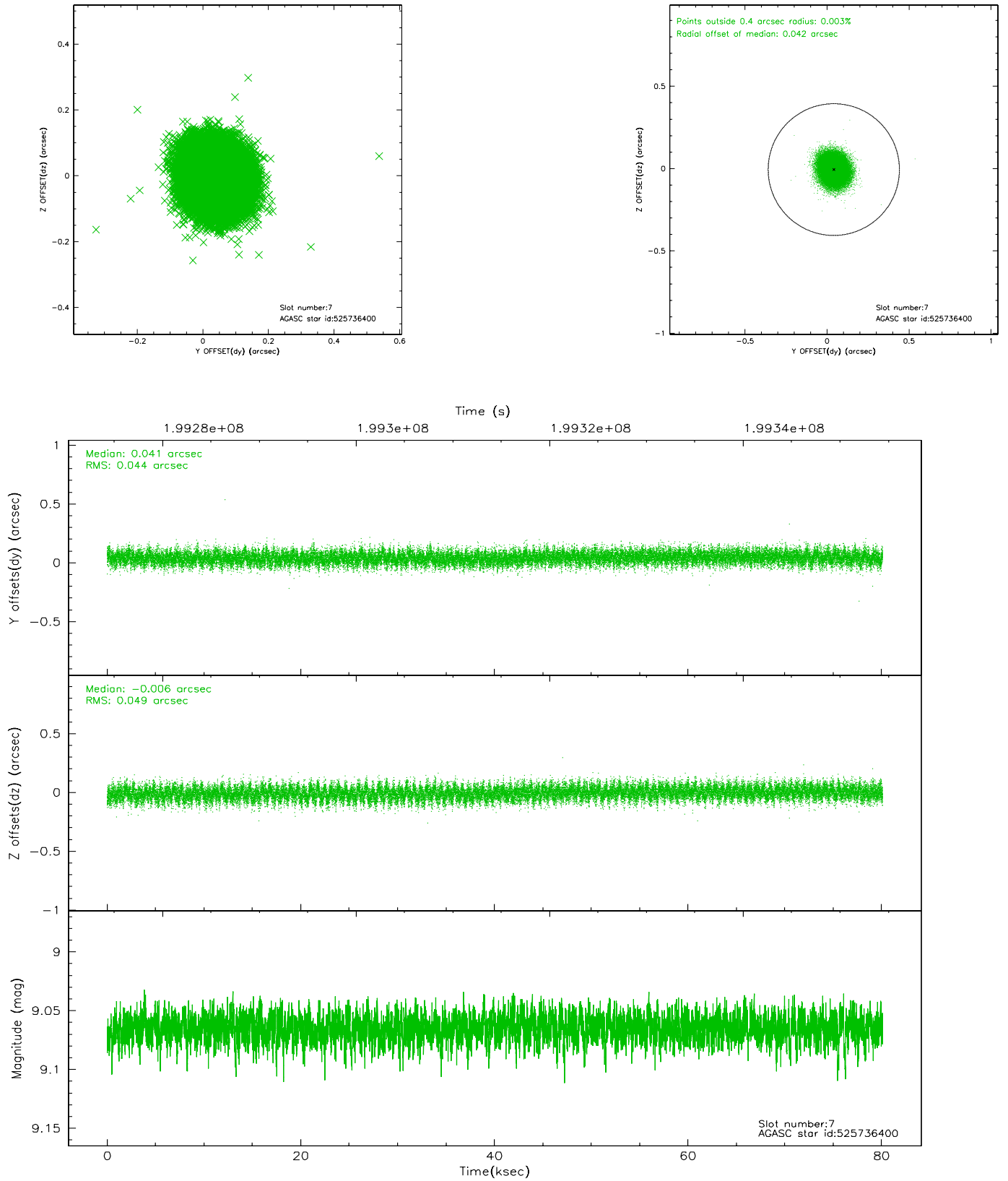


## 2.4.4 Slot 6



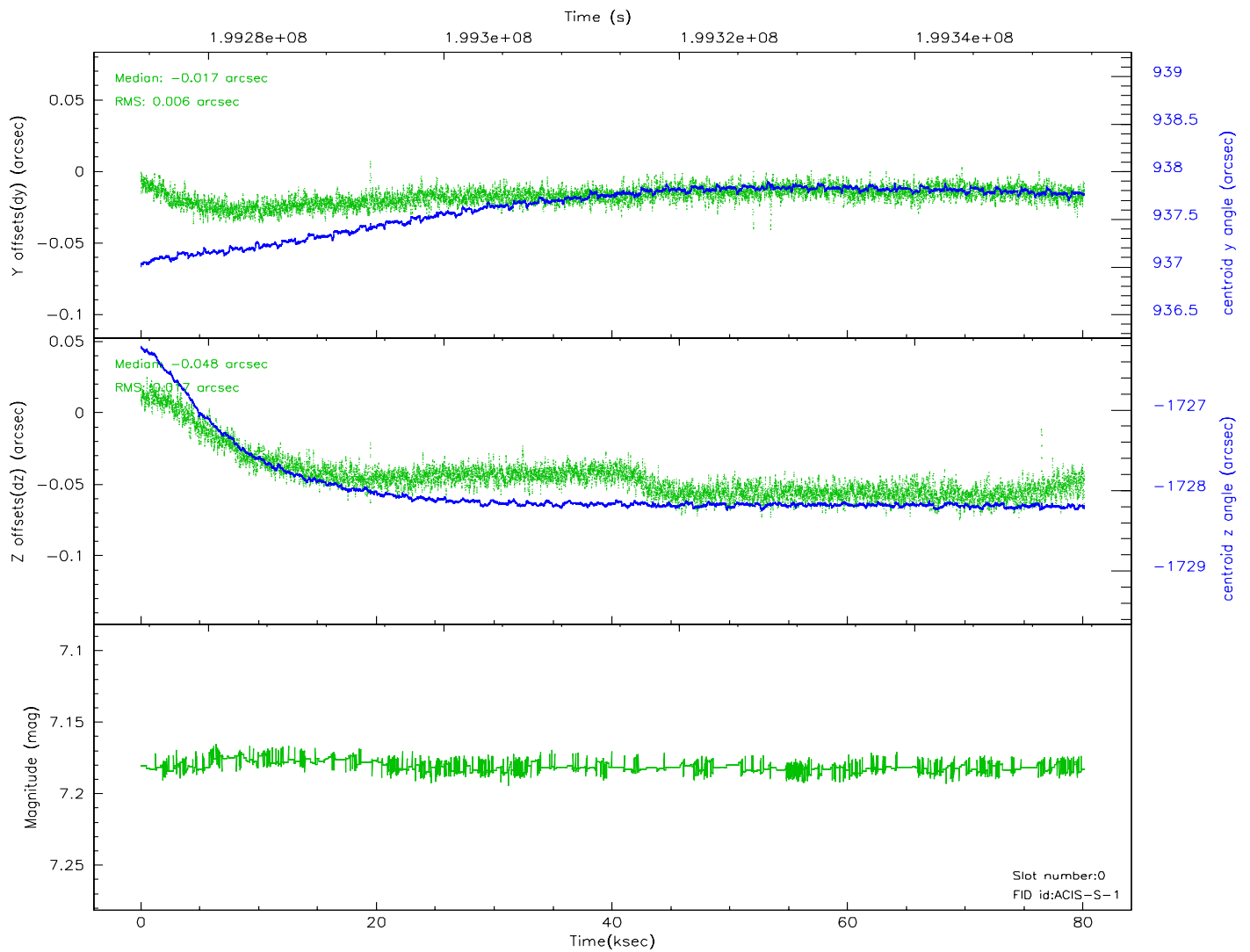
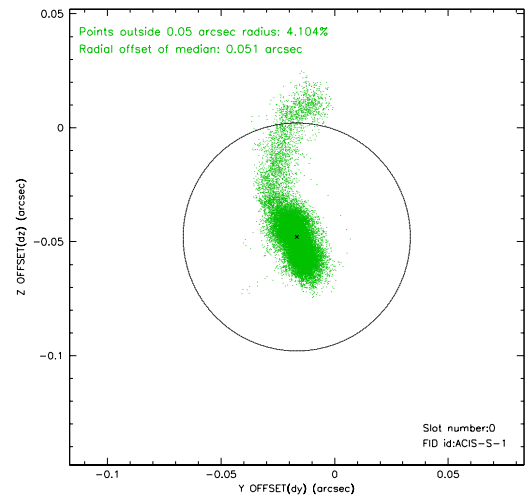
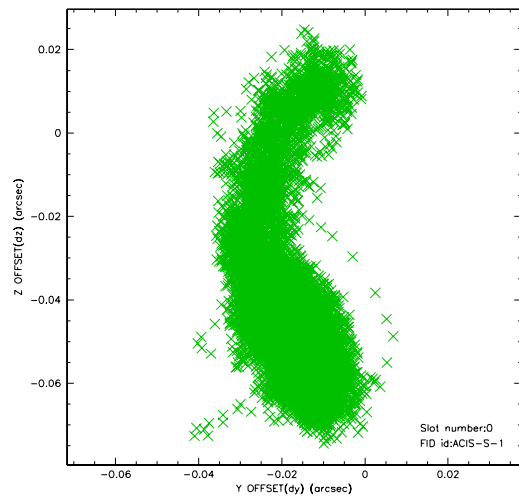


## 2.4.5 Slot 7

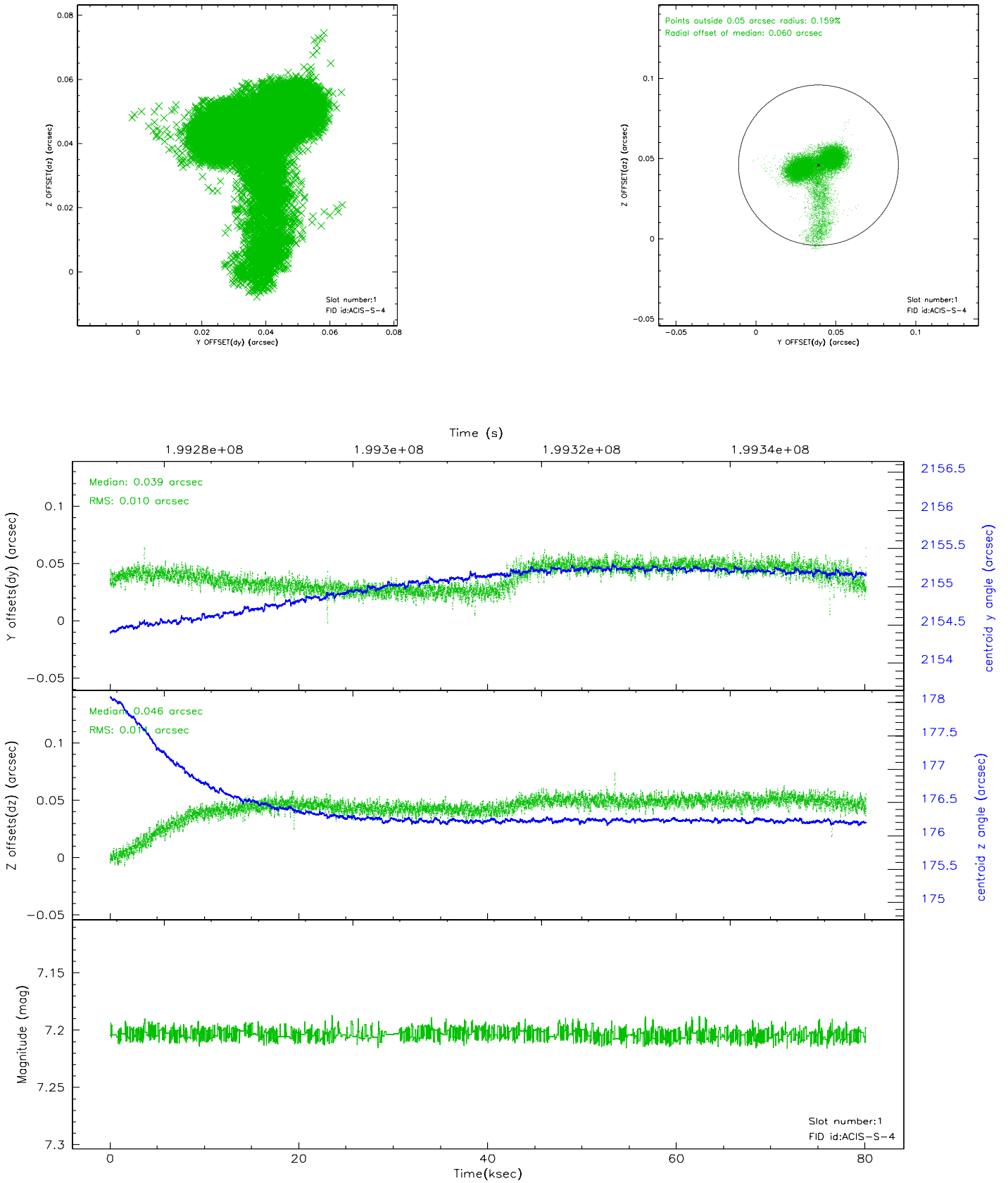


## 2.5 FID Slots

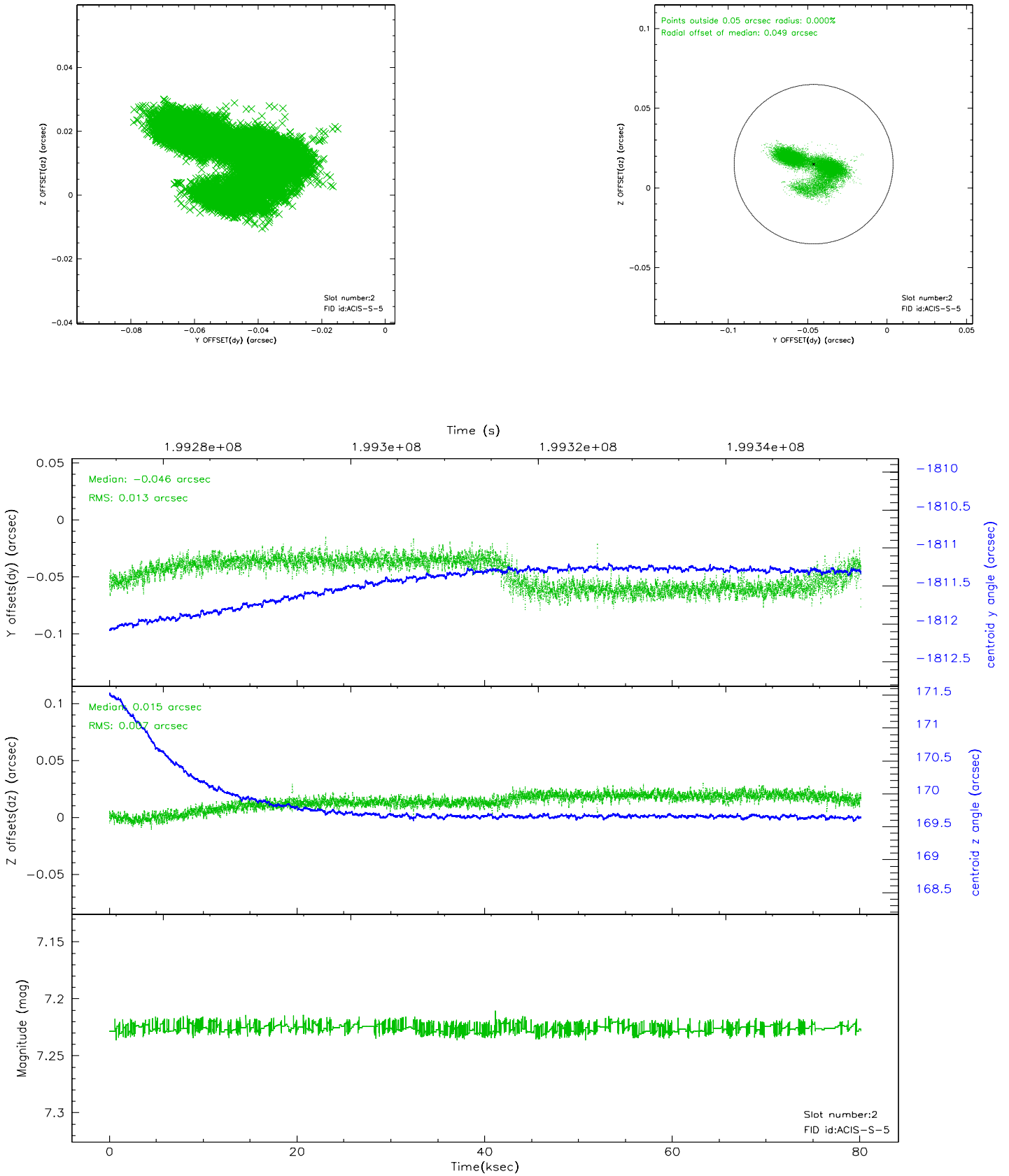
### 2.5.1 Slot 0



## 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)	2006.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	80.127

### A.2 Comments