

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4635 - L2 Version 001  
Chandra X-Ray Center

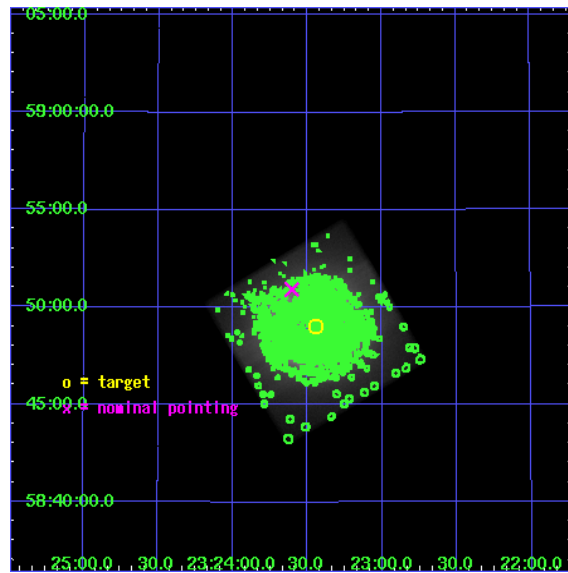
L2 Processing Date : May 24 2006

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Parameters . . . . .	4
2.1.3	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	9
2.4.1	Slot 3 . . . . .	9
2.4.2	Slot 4 . . . . .	10
2.4.3	Slot 5 . . . . .	11
2.4.4	Slot 6 . . . . .	12
2.4.5	Slot 7 . . . . .	13
2.5	FID Slots . . . . .	14
2.5.1	Slot 0 . . . . .	14
2.5.2	Slot 1 . . . . .	15
2.5.3	Slot 2 . . . . .	16
<b>3</b>	<b>Point Sources</b>	<b>17</b>
<b>A</b>	<b>Summary</b>	<b>18</b>
A.1	Status . . . . .	18
A.2	Comments . . . . .	18

# 1 Front

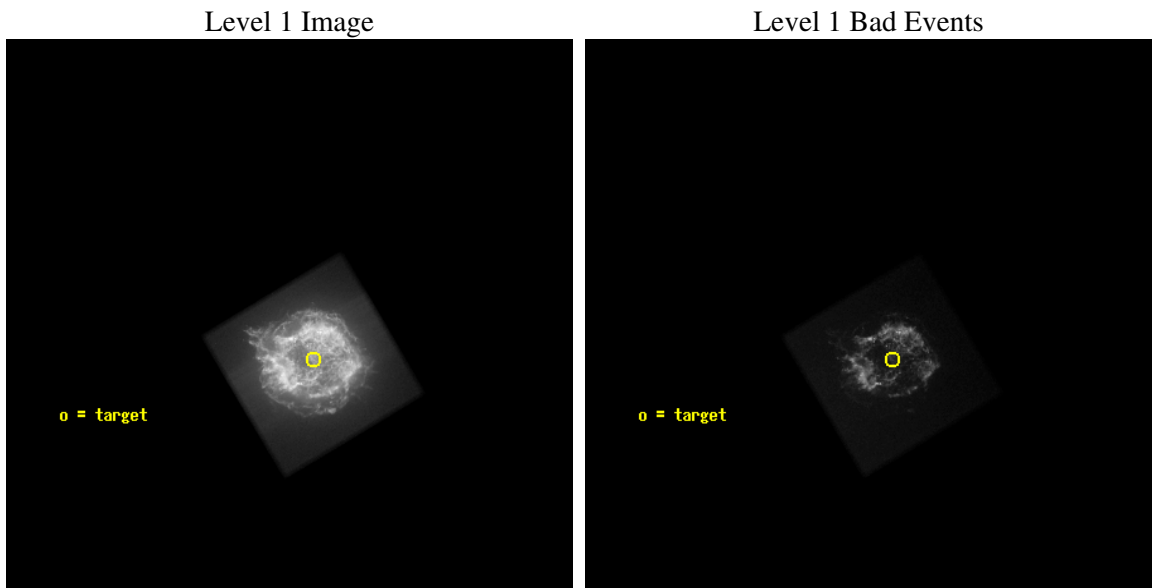
seq_num	500459
obs_id	4635
title	The Cassiopeia A Explosion: Getting at the Core Issues
observer	Dr Una Hwang
object	Cassiopeia A
dtcycle	0
cycle	P
ra_targ	350.86125
dec_targ	58.8175
ra_nom	350.90108118098
dec_nom	58.848678963645
roll_nom	59.222543763979
revision	2
ontime	136884.0
livetime	135036.69797175
ontime7	136884.0
l2events	40713530



## 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	2006-05-24T01:29:04
revision	2

sched_exp_time	136765.304000
ontime	138870.39666203
ontime7	138870.39666203
l1events	43518534

### 2.1.3 Events

	<b>ccd 7</b>
level 1 events	43518534
rejected events	2397279
rejected %	5%

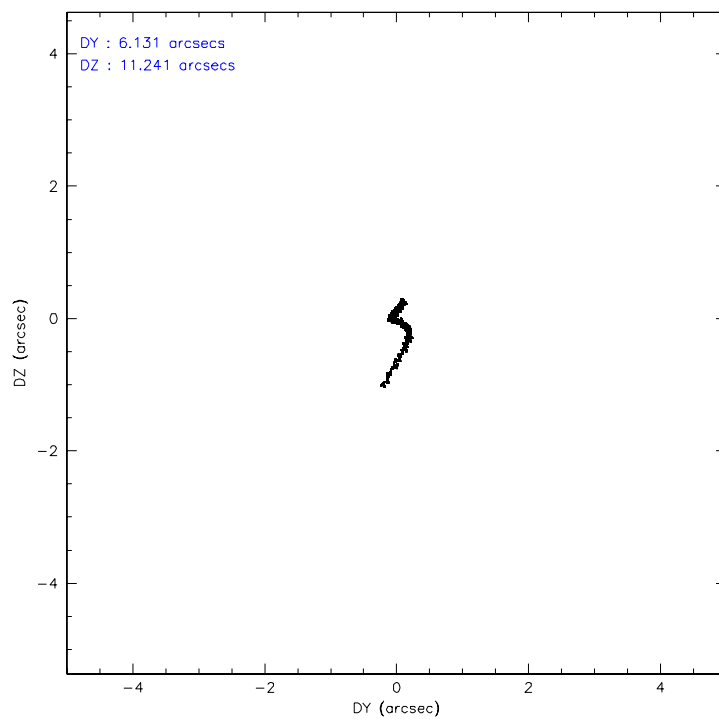
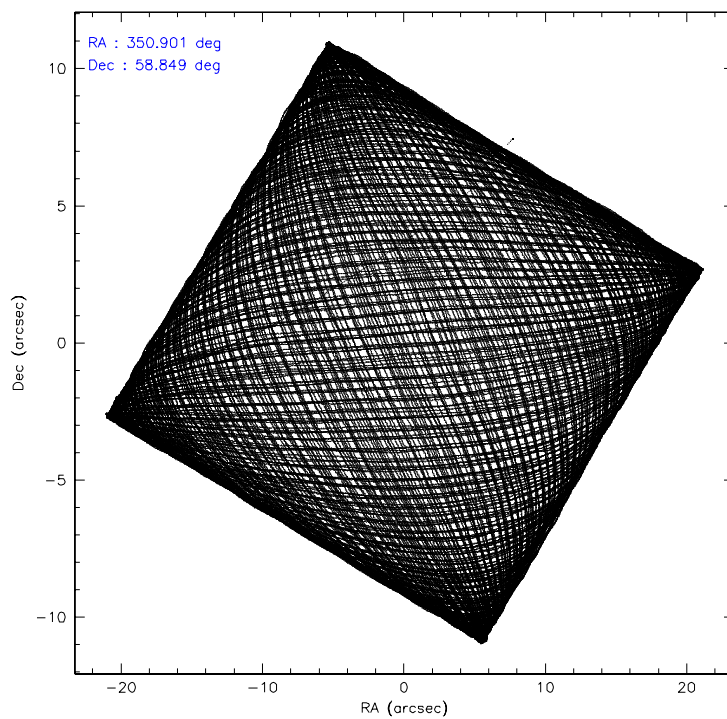
	<b>ccd 7</b>
grade 0 events	9571769
	21%
grade 1 events	170694
	0%
grade 2 events	11887657
	27%
grade 3 events	4519887
	10%
grade 4 events	4450112
	10%
grade 5 events	737191
	1%
grade 6 events	10760059
	24%
grade 7 events	1421165
	3%

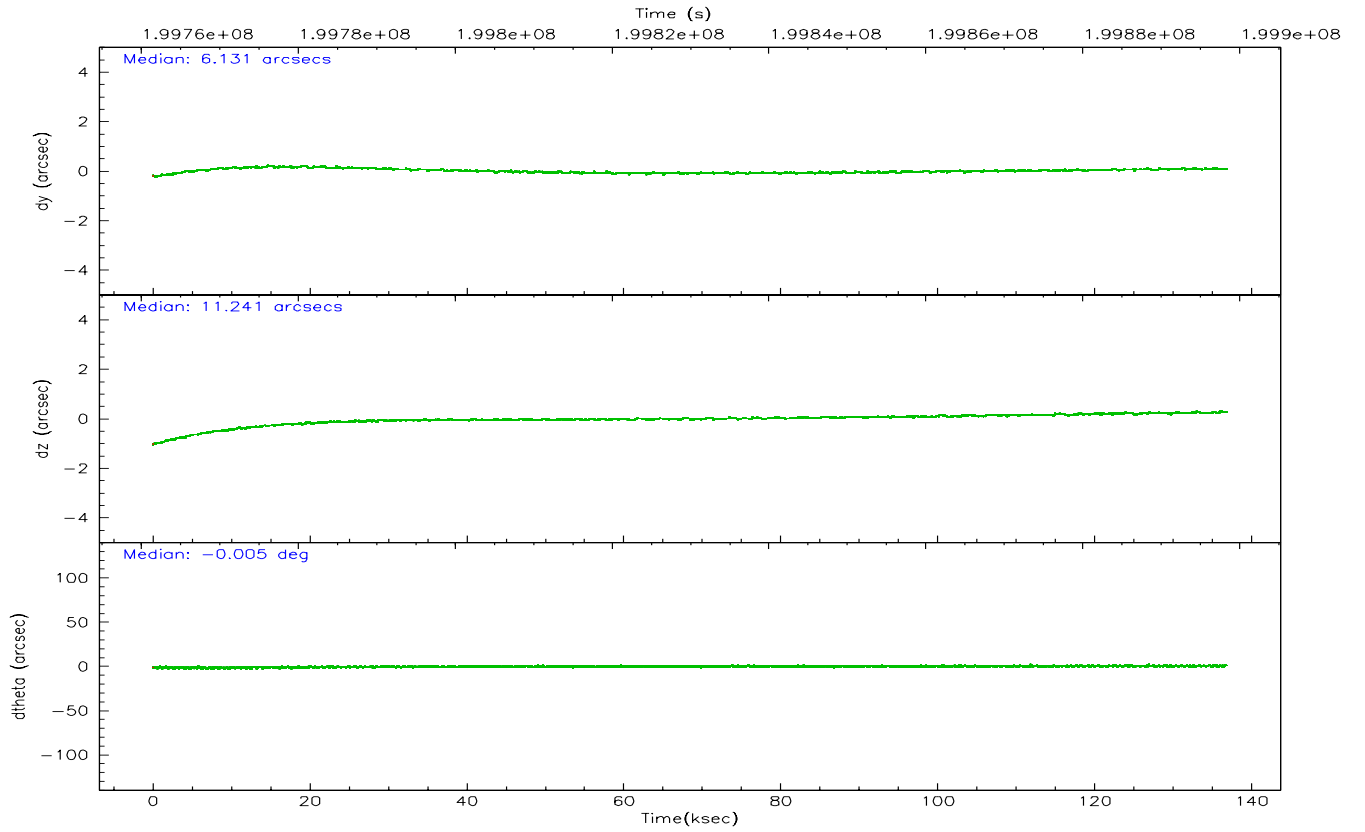
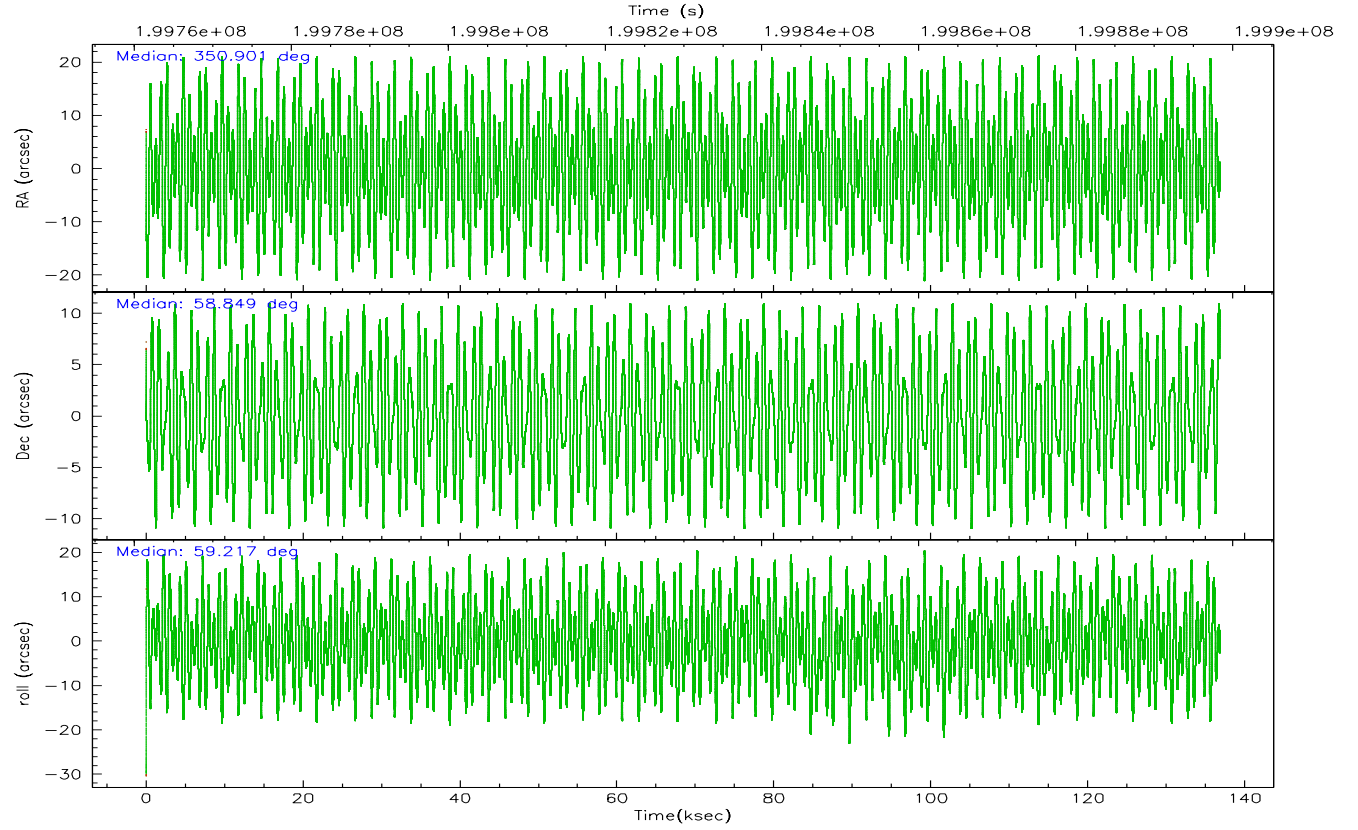


## 2.2 Compared Parameters

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	350.901100	350.9010811809758	Alternating exposures requested	N	N
Pointing Dec	58.821462	58.84867896364542	Primary exposure time	0.000000	3
Pointing Roll	59.065901	59.22254376397876			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.145094680475			
SIM translation stage offset (mm)	0	0.01257209746719923			
Observation start time	199761632.184000	199759524.44362			
Observation start date	2004-05-01T01:19:28	2004-05-01T00:45:24			
Observation end time	199898398.184000	199898712.27476			
Observation end date	2004-05-02T15:18:54	2004-05-02T15:25:12			
Read mode	TIMED	TIMED			

## 2.3 Aspect



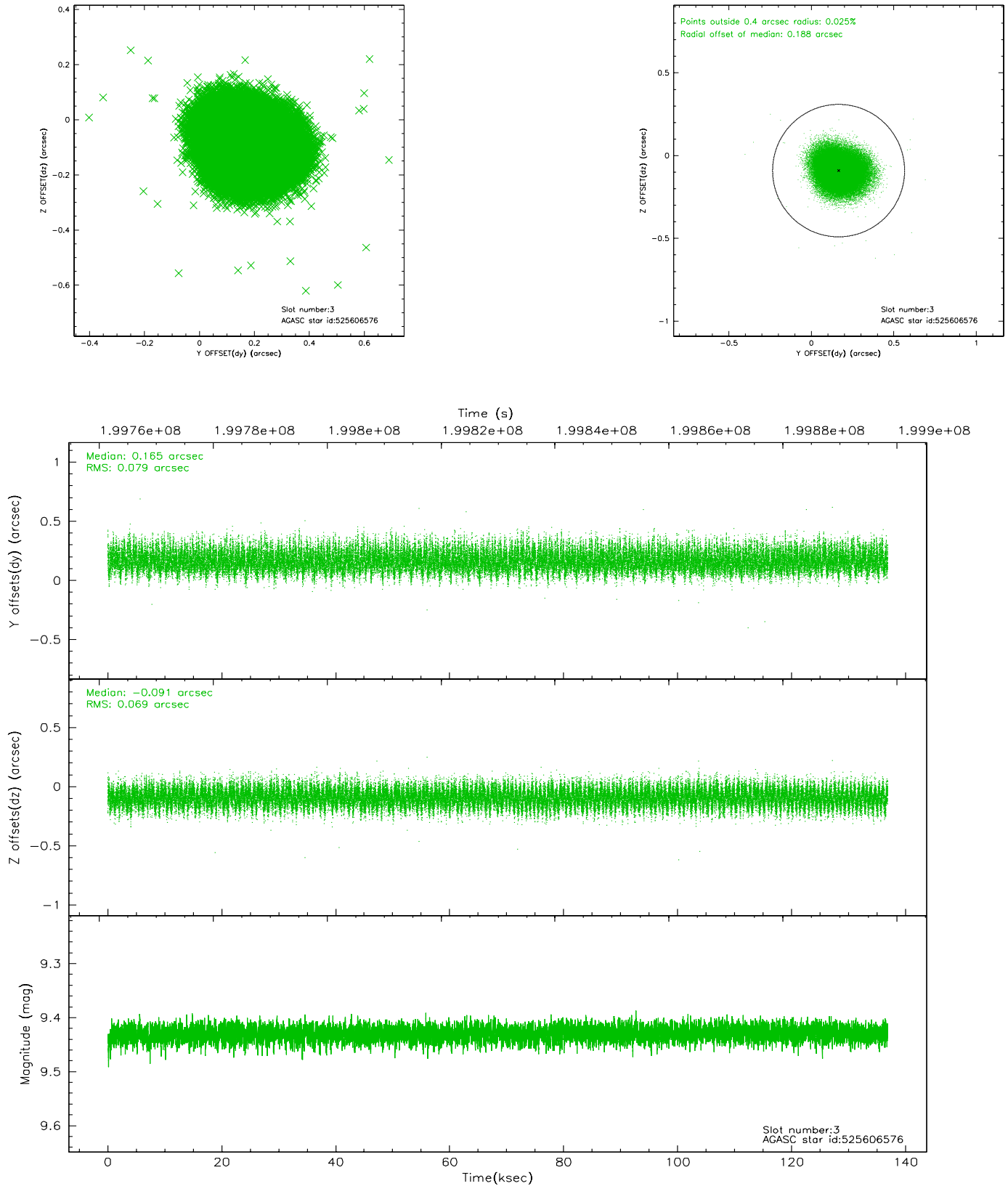


### Slot Statistics

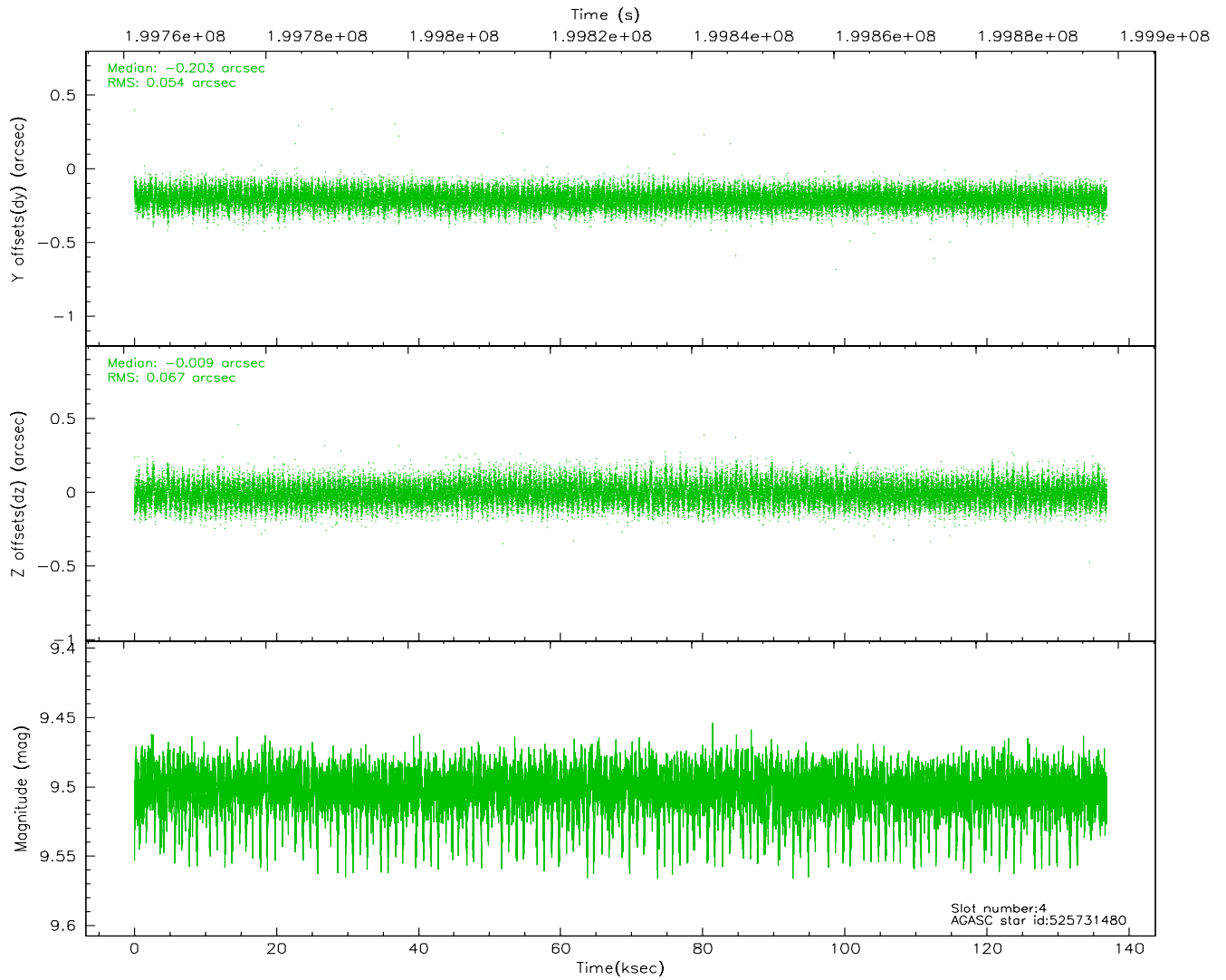
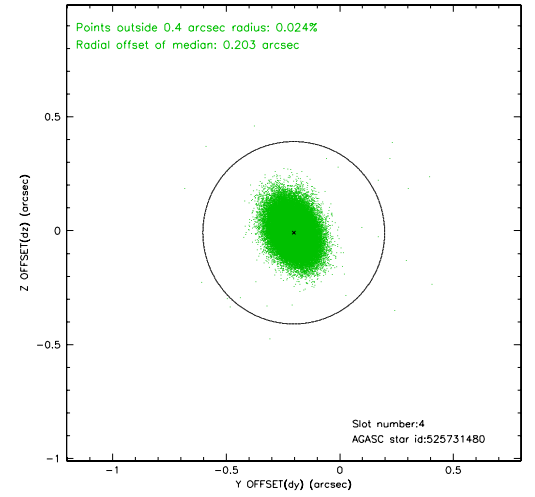
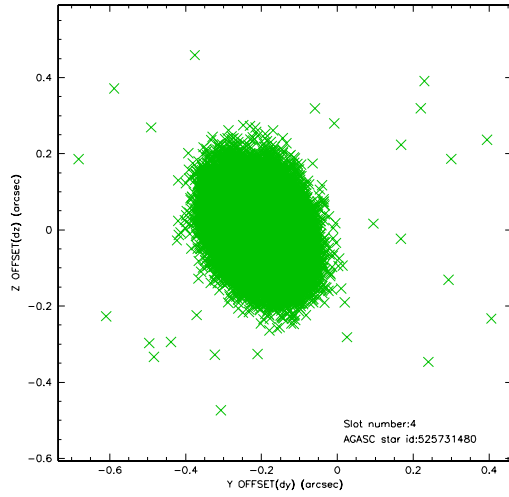
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	33388	-0.043	0.008	0.008	0.013	0.000000	0.000000	-758.90	-1732.39
1	FID	ACIS-S-4	7.20	33387	0.027	0.019	0.007	0.015	0.000000	0.000000	2154.48	176.24
2	FID	ACIS-S-5	7.23	33386	-0.015	-0.018	0.007	0.011	0.000000	0.000000	-1811.87	169.72
3	GUIDE	525606576	9.43	66713	0.165	-0.091	0.113	0.179	349.543555	58.678895	-1724.01	1928.48
4	GUIDE	525731480	9.50	66727	-0.203	-0.009	0.090	0.151	351.647209	58.687294	310.07	-1441.29
5	GUIDE	525732232	9.11	66669	-0.035	-0.030	0.088	0.140	351.669550	58.757012	545.84	-1346.20
6	GUIDE	525732488	8.40	66765	0.074	-0.080	0.066	0.107	350.087090	58.516915	-1718.81	753.90
7	GUIDE	525732528	9.37	66709	-0.004	0.209	0.104	0.166	351.607241	59.298932	2147.68	-225.44

## 2.4 Star Slots

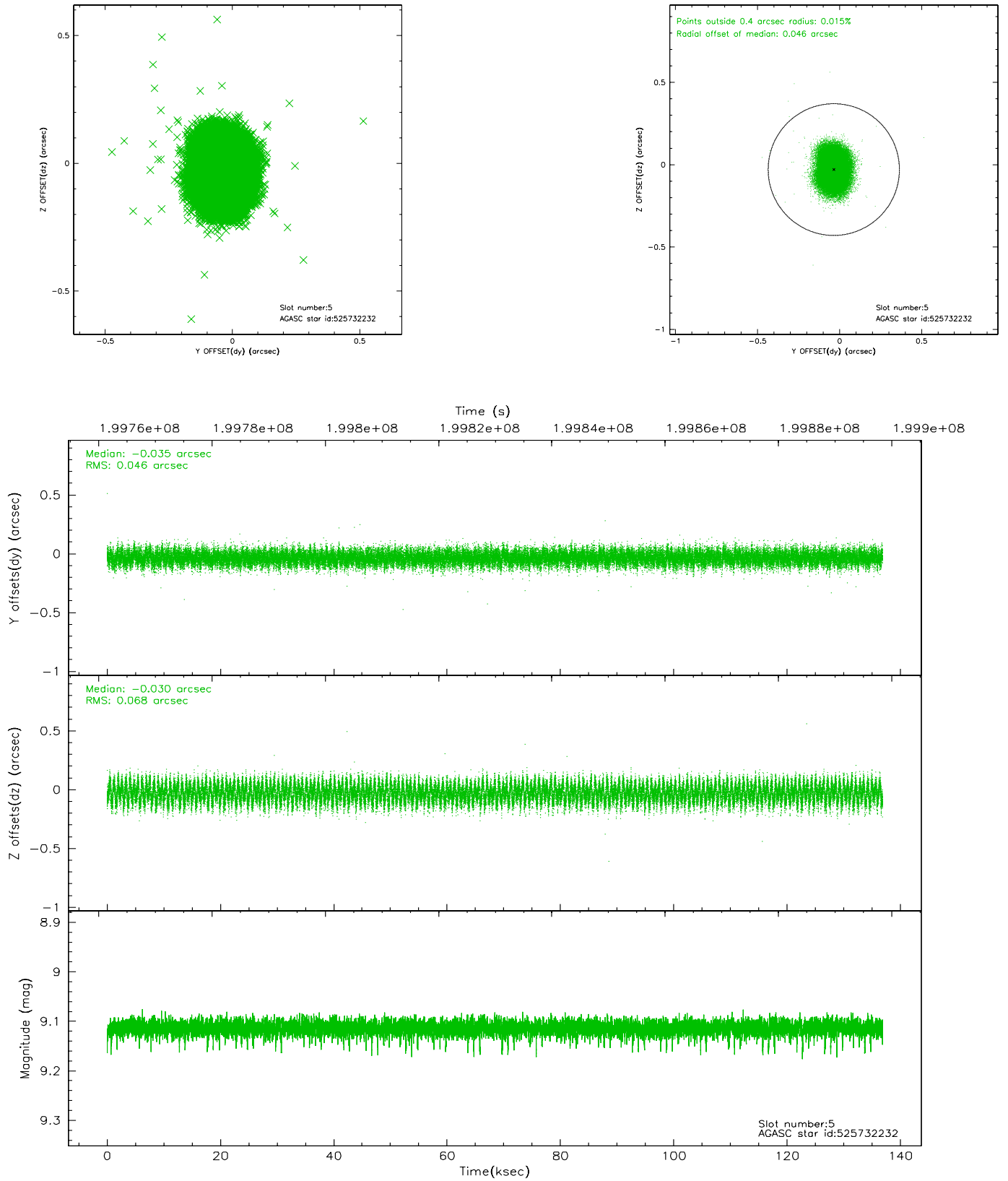
### 2.4.1 Slot 3



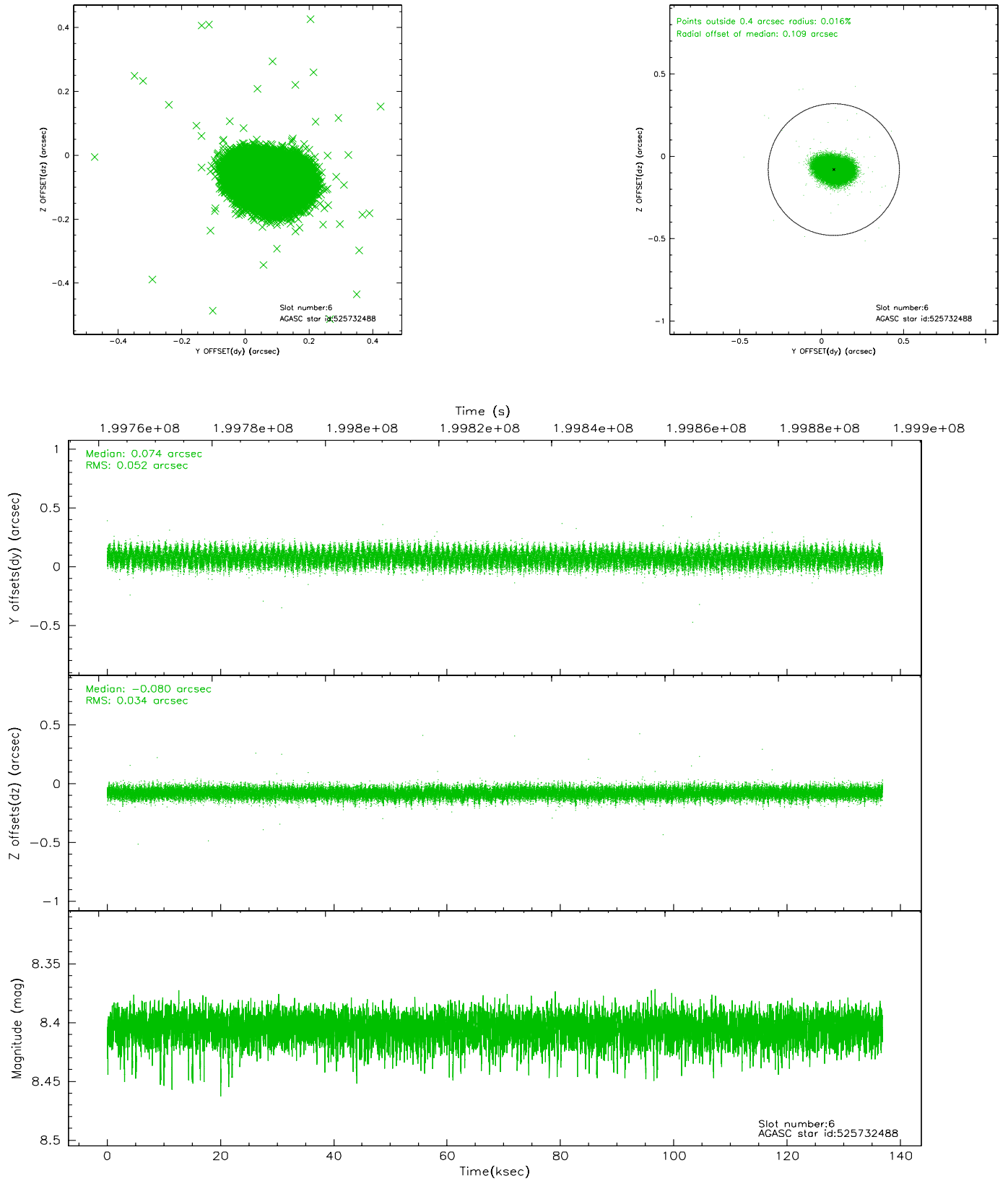
## 2.4.2 Slot 4



### 2.4.3 Slot 5

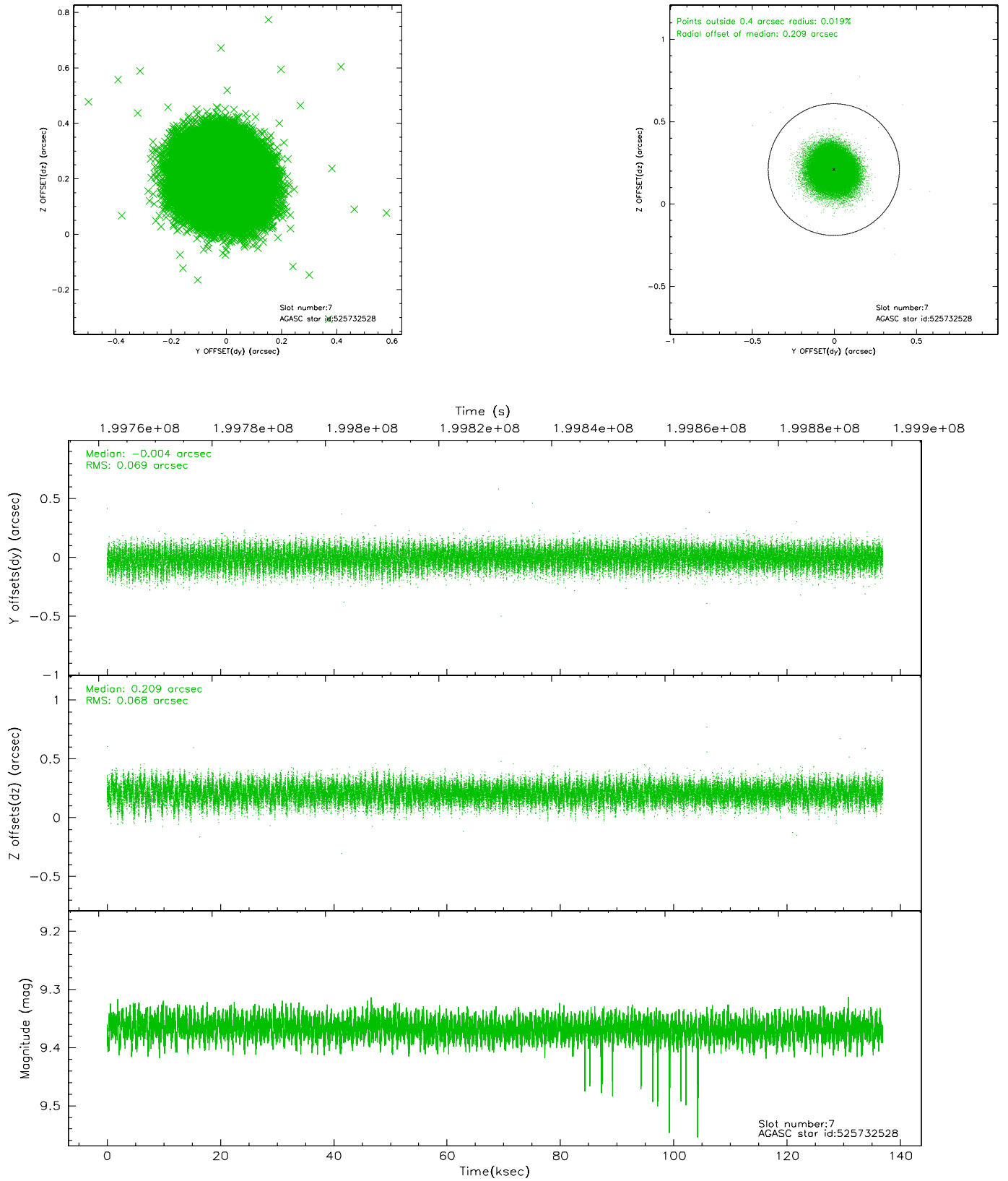


## 2.4.4 Slot 6



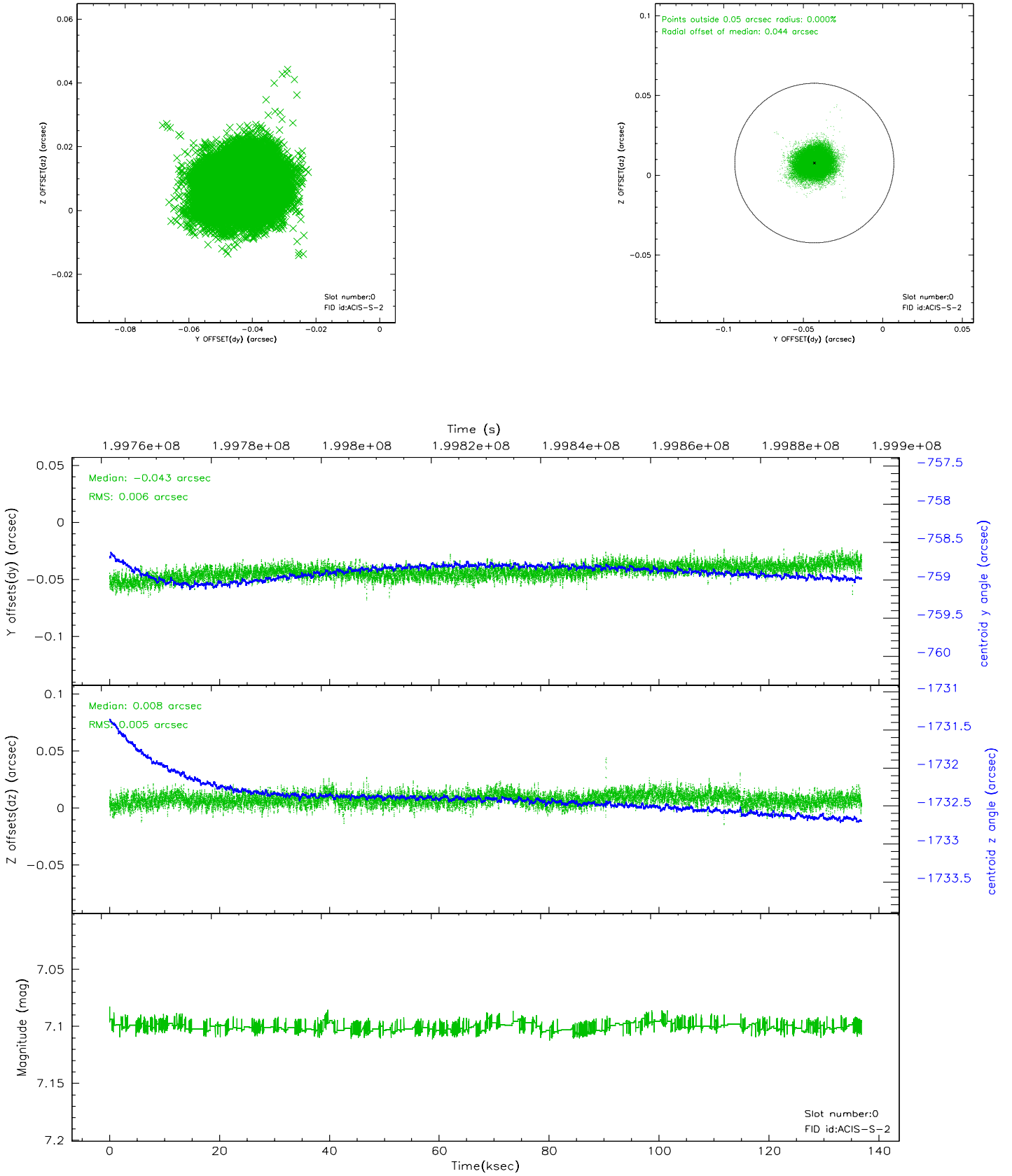


## 2.4.5 Slot 7

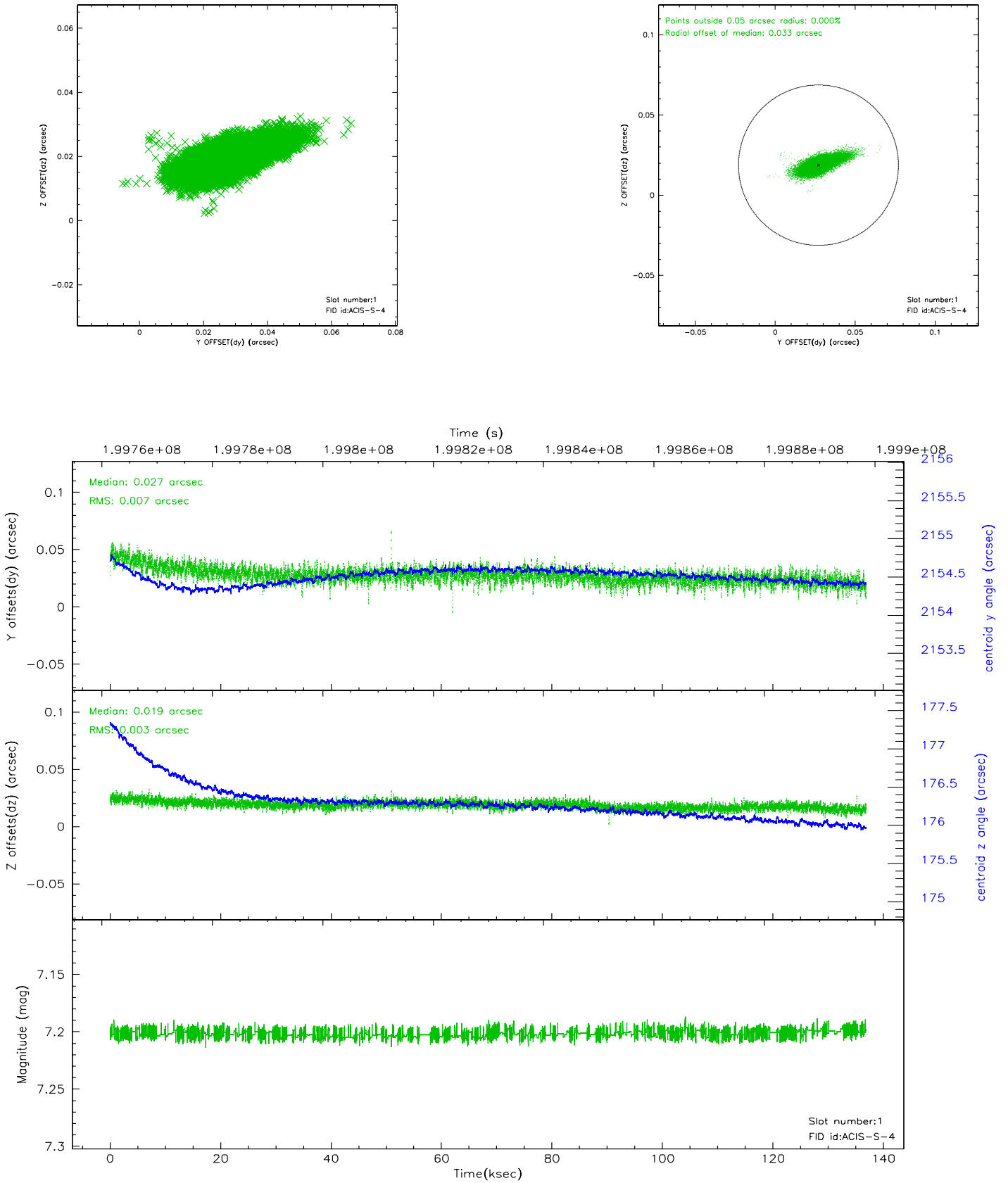


## 2.5 FID Slots

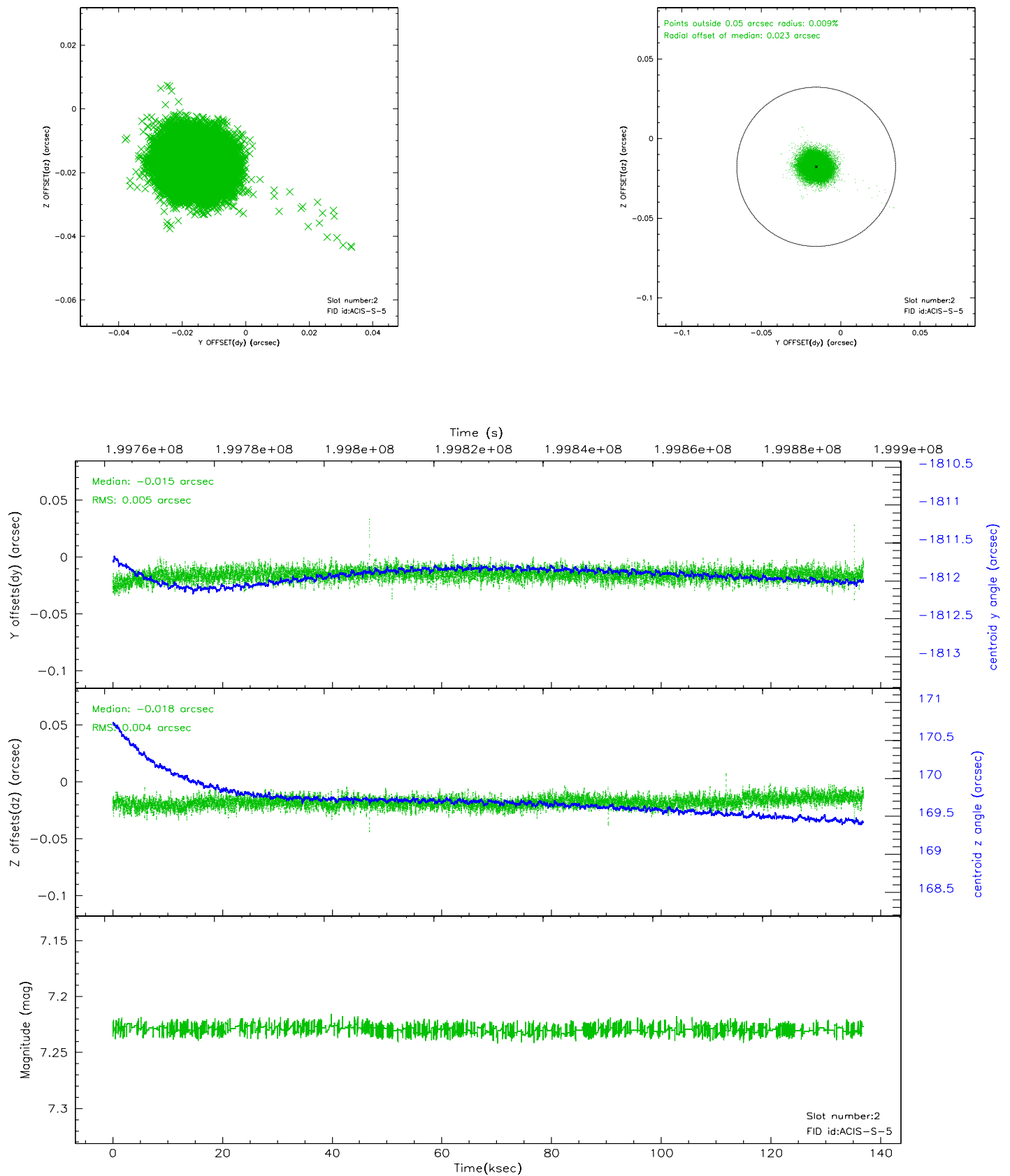
### 2.5.1 Slot 0



## 2.5.2 Slot 1

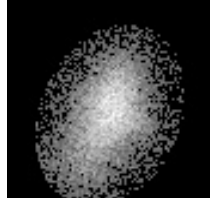


### 2.5.3 Slot 2



### 3 Point Sources

2.46 arcmin



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.05.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	136.818

### A.2 Comments