

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4876 - L2 Version 001  
Chandra X-Ray Center

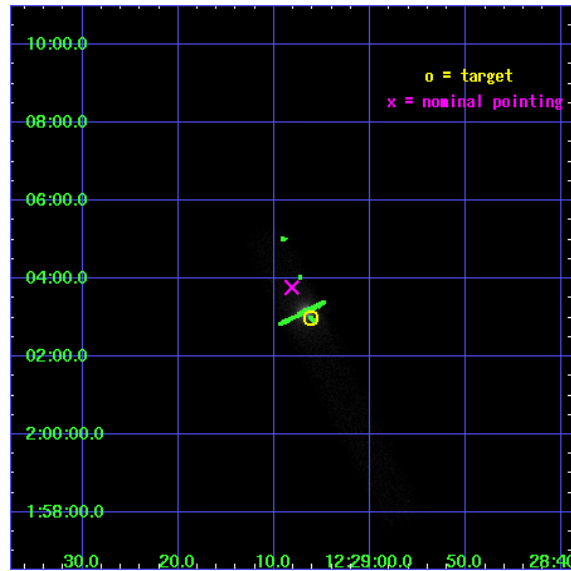
L2 Processing Date : Jun 26 2006

## 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	Bias . . . . .	3
2.1.3	Parameters . . . . .	4
2.1.4	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

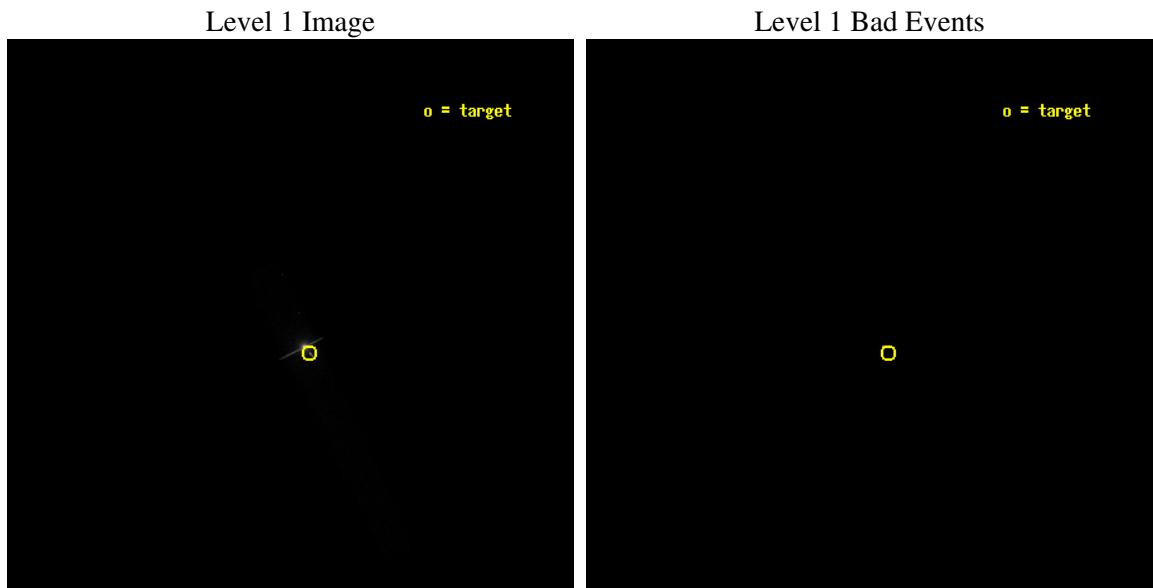
seq_num	700958
obs_id	4876
title	The X-ray emission mechanism in 3C273's jet
observer	Dr. Sebastian Jester
object	3C273-JET
dtcycle	0
cycle	P
ra_targ	187.275833
dec_targ	2.050111
ra_nom	187.28404414004
dec_nom	2.0627984479435
roll_nom	63.613132606212
revision	2
ontime	41300.072355241
livetime	37456.98562964
ontime7	41300.072355241
l2events	106881



## 2 OBI

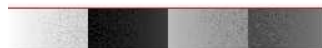
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.8
caldbver	3.2.2
date	2006-06-26T21:09:12
revision	2

sched_exp_time	41151.000000
ontime	42541.308193833
ontime7	42541.308193833
l1events	206757

### 2.1.4 Events

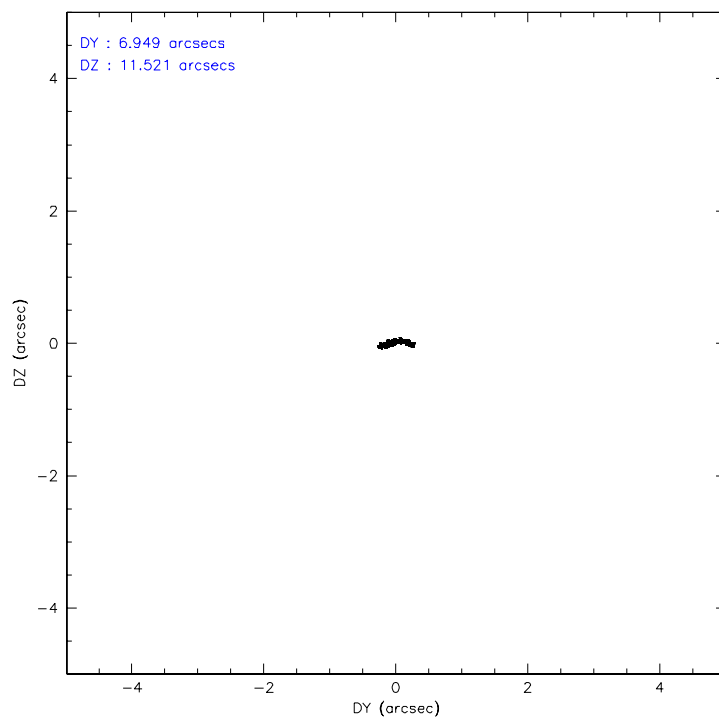
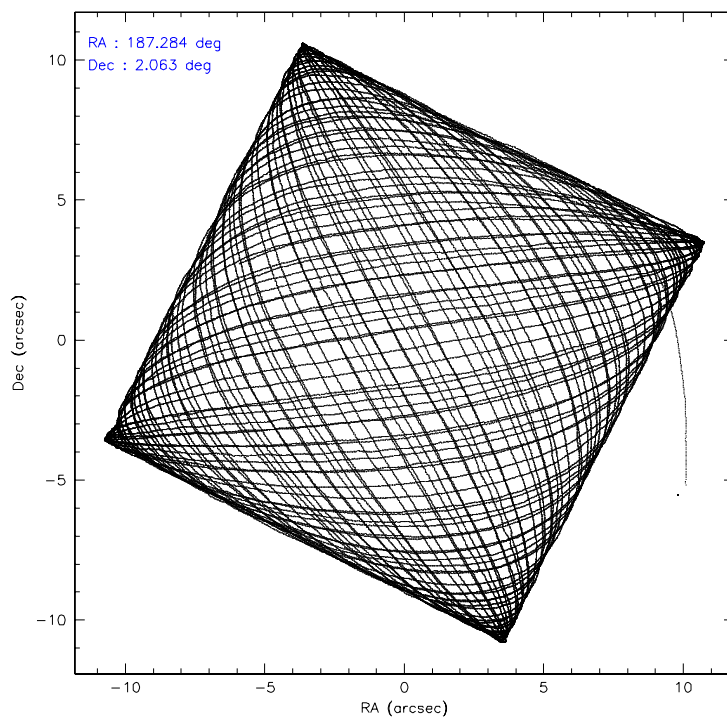
	<b>ccd 7</b>
level 1 events	206757
rejected events	99240
rejected %	47%

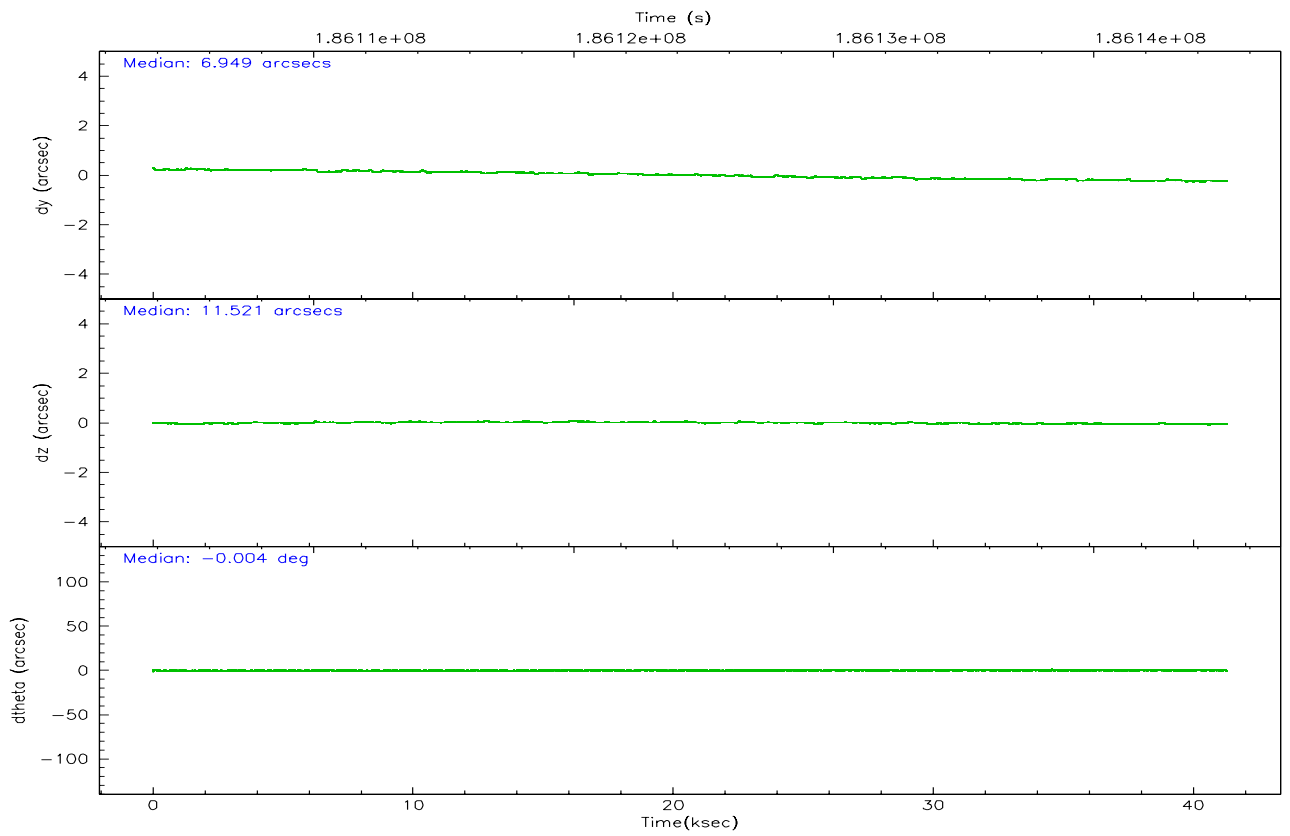
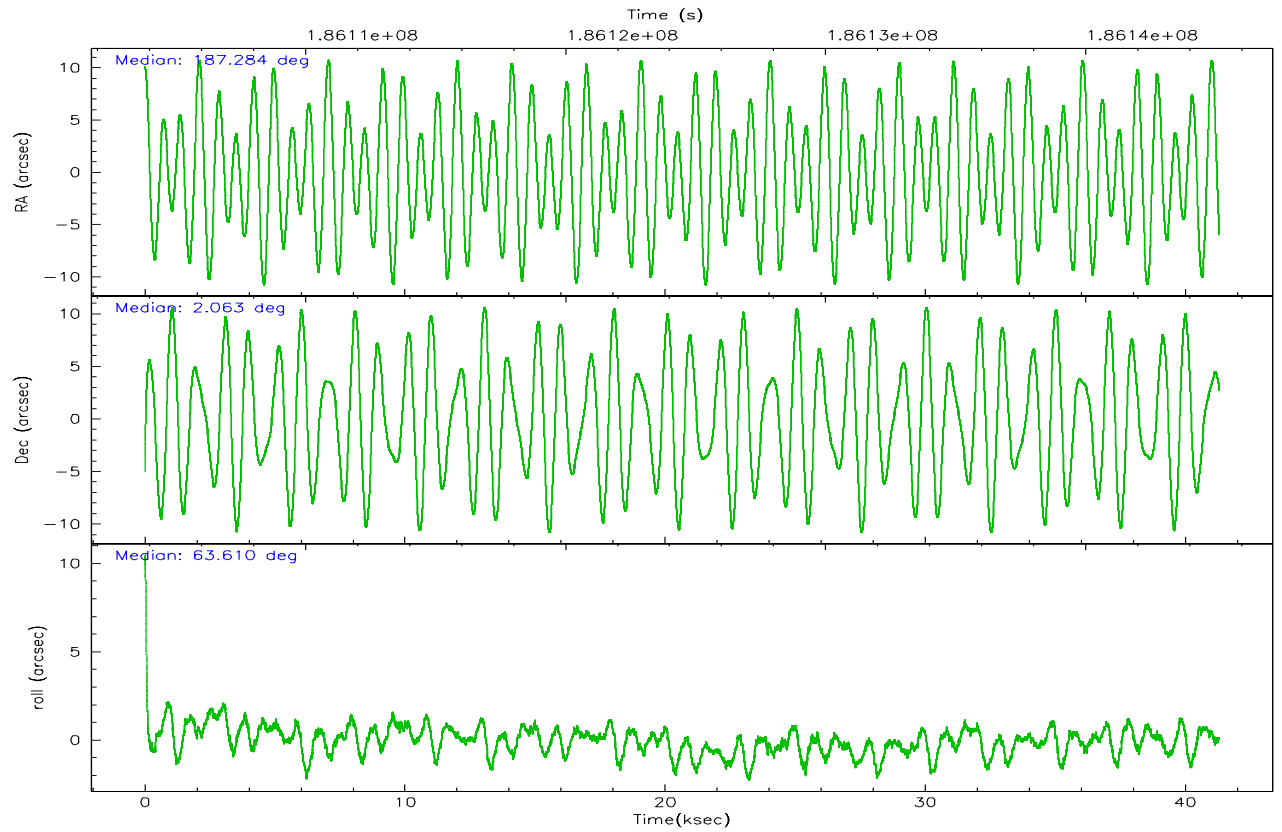
	<b>ccd 7</b>
grade 0 events	23001
	11%
grade 1 events	1708
	0%
grade 2 events	22794
	11%
grade 3 events	11109
	5%
grade 4 events	10565
	5%
grade 5 events	11214
	5%
grade 6 events	40877
	19%
grade 7 events	85489
	41%

## 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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	CUSTOM	1/8
Pointing RA	187.286131	187.2840441400355	Subarray start row	115	115
Pointing Dec	2.035655	2.062798447943484	Subarray row count	128	128
Pointing Roll	63.456430	63.6131326062116	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.4
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-182.132523	-182.1370004450064			
SIM translation stage offset (mm)	-8	-7.995522138001405			
Observation start time	186103979.184000	186102584.25903			
Observation start date	2003-11-24T23:31:55	2003-11-24T23:09:44			
Observation end time	186145130.184000	186145748.0359			
Observation end date	2003-11-25T10:57:46	2003-11-25T11:09:08			
Read mode	TIMED	TIMED			

## 2.3 Aspect





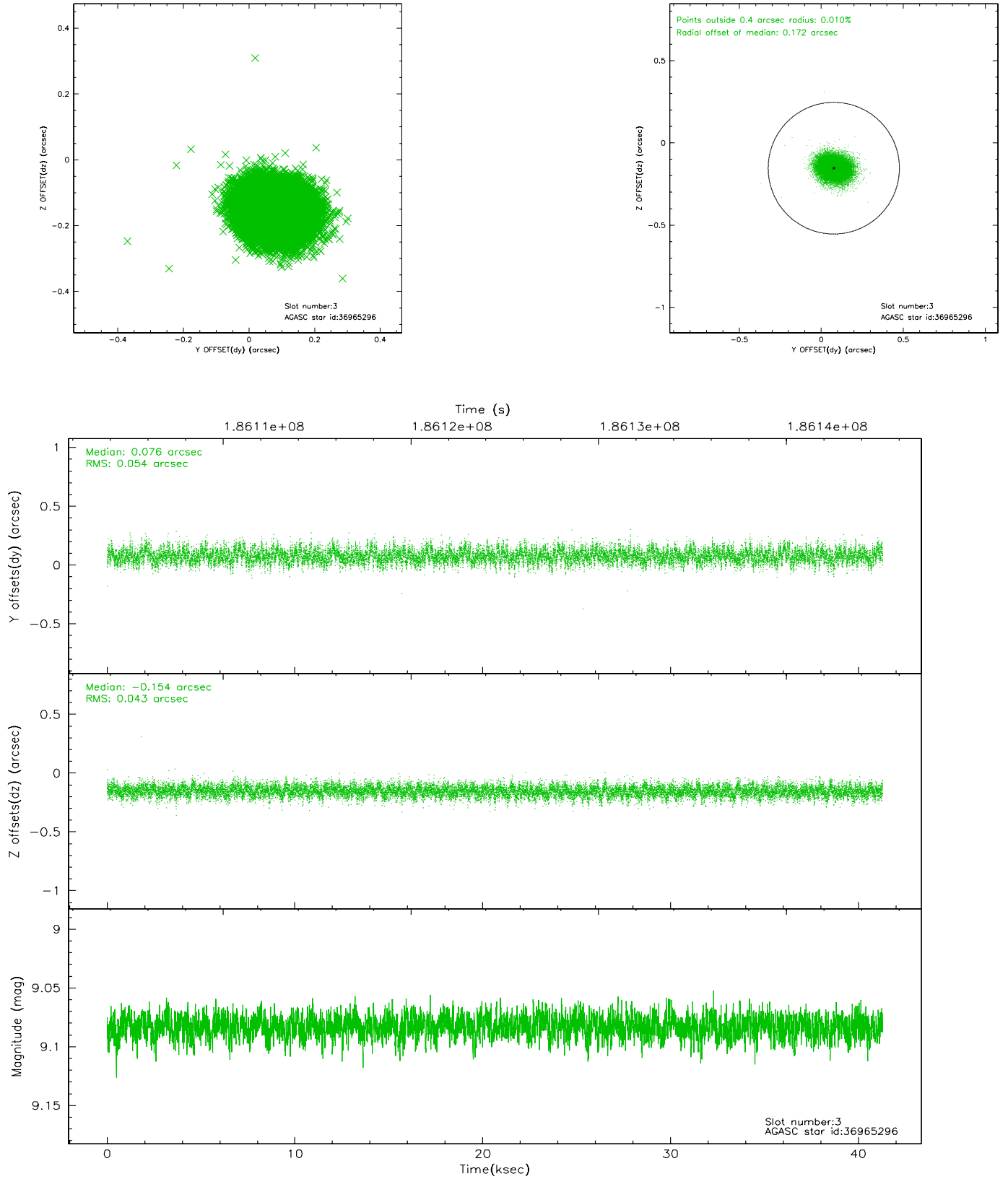
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.08	10073	-0.047	-0.120	0.007	0.011	0.000000	0.000000	-759.18	-1897.64
1	FID	ACIS-S-4	7.17	10071	0.047	0.054	0.005	0.009	0.000000	0.000000	2154.20	10.97
2	FID	ACIS-S-5	7.23	10072	-0.032	0.073	0.006	0.010	0.000000	0.000000	-1811.98	4.69
3	GUIDE	36965296	9.08	20140	0.076	-0.154	0.073	0.119	186.926292	1.837429	-1216.62	839.62
4	GUIDE	36965896	9.72	20139	0.179	0.102	0.088	0.144	187.153754	1.617178	-1560.22	-246.72
5	GUIDE	37356352	7.69	20146	-0.467	-0.022	0.054	0.087	187.433784	2.618460	2113.93	462.97
6	GUIDE	37883040	10.02	20134	-0.043	0.287	0.105	0.172	187.575516	1.280402	-1966.54	-2146.33
7	GUIDE	36963280	9.61	20141	0.250	-0.212	0.110	0.178	186.985307	1.456816	-2347.50	37.35

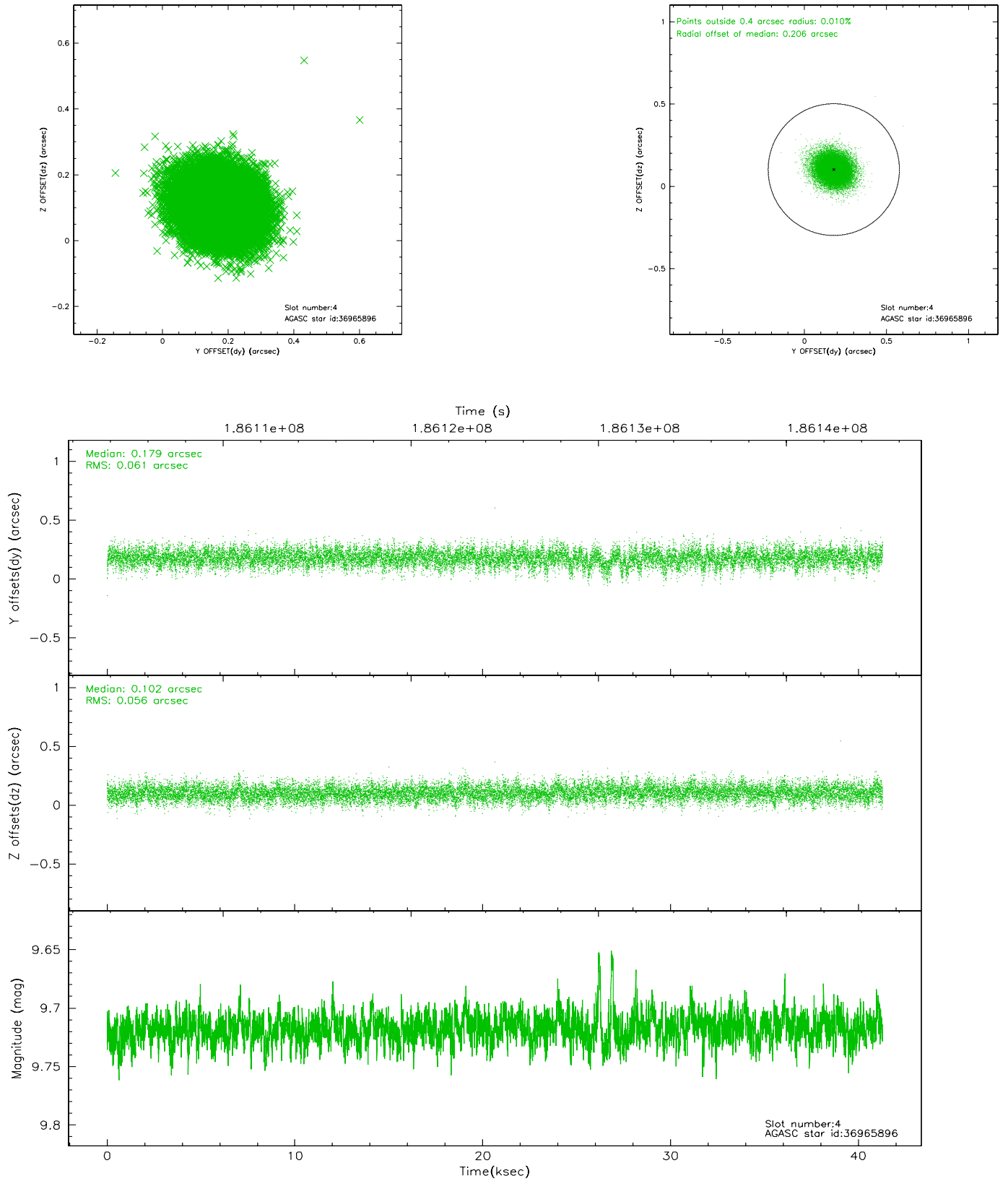


## 2.4 Star Slots

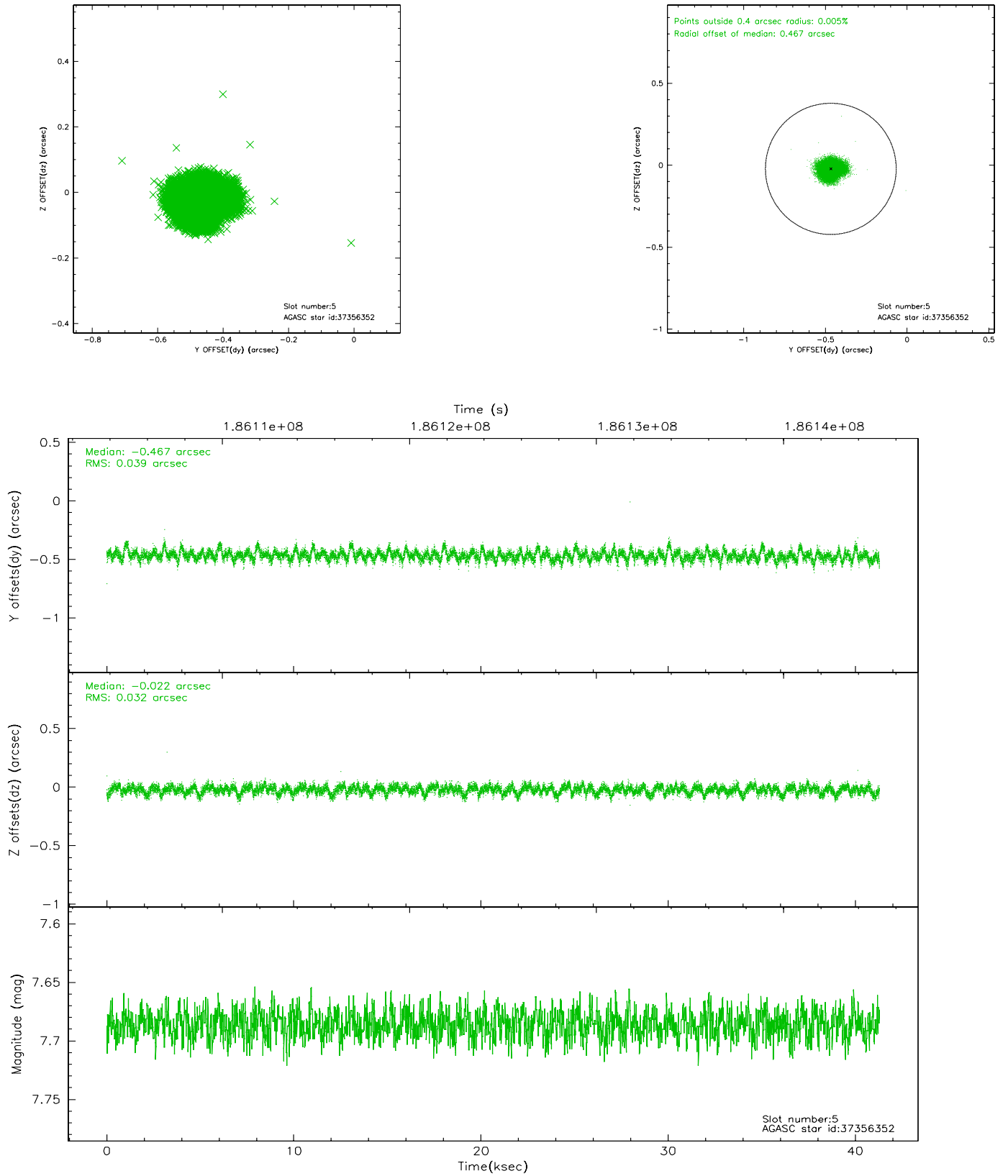
### 2.4.1 Slot 3



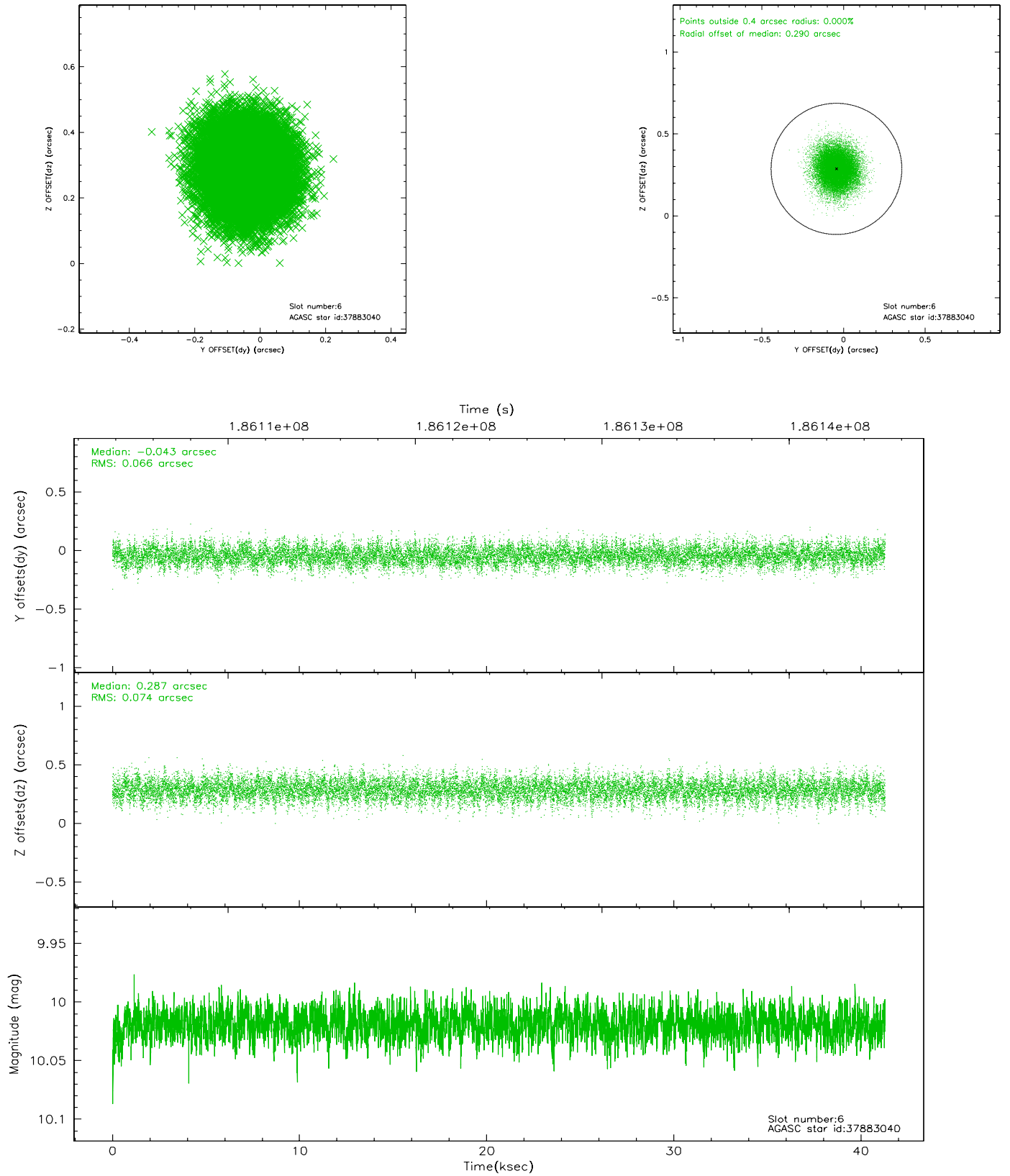
## 2.4.2 Slot 4



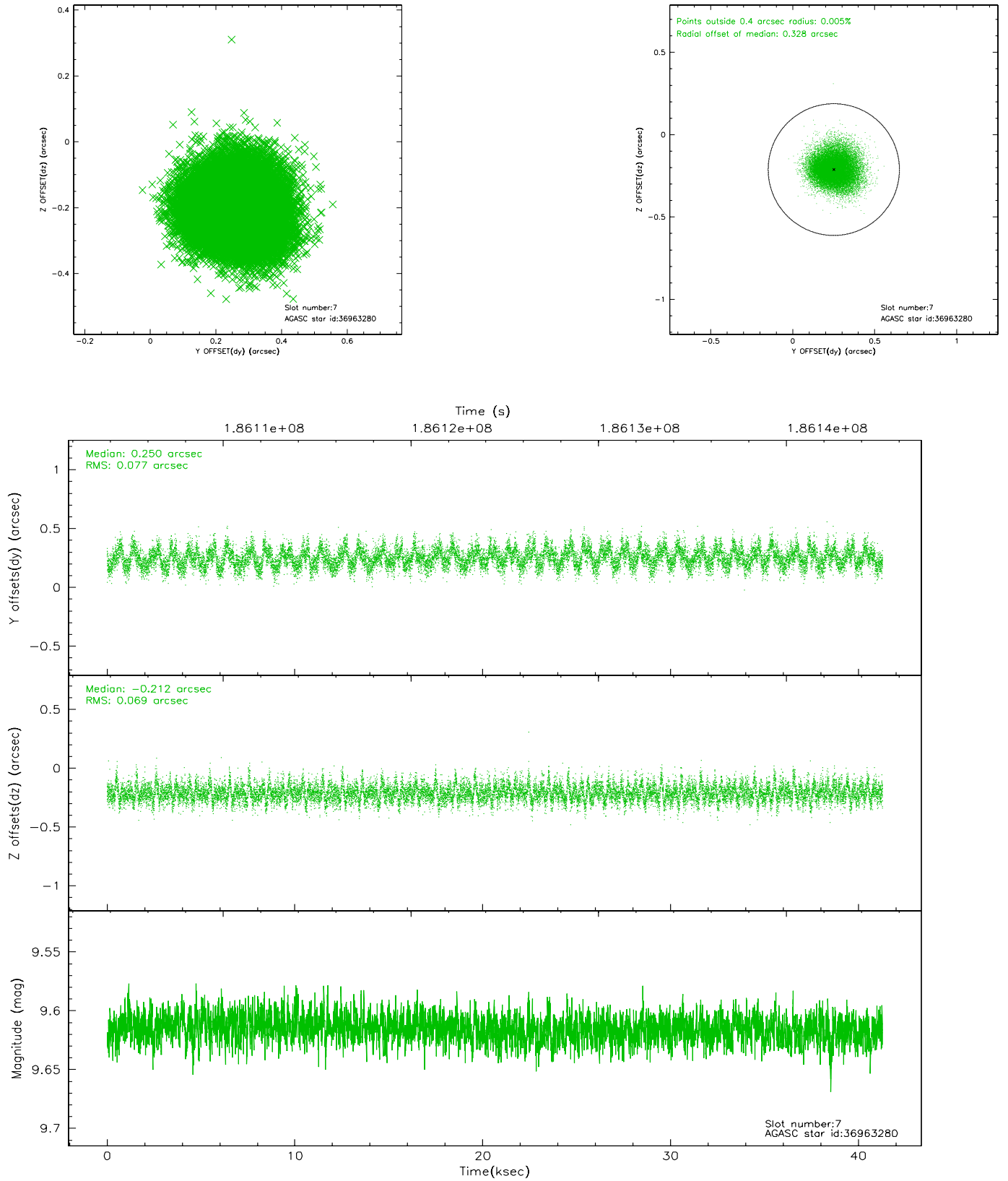
### 2.4.3 Slot 5



## 2.4.4 Slot 6

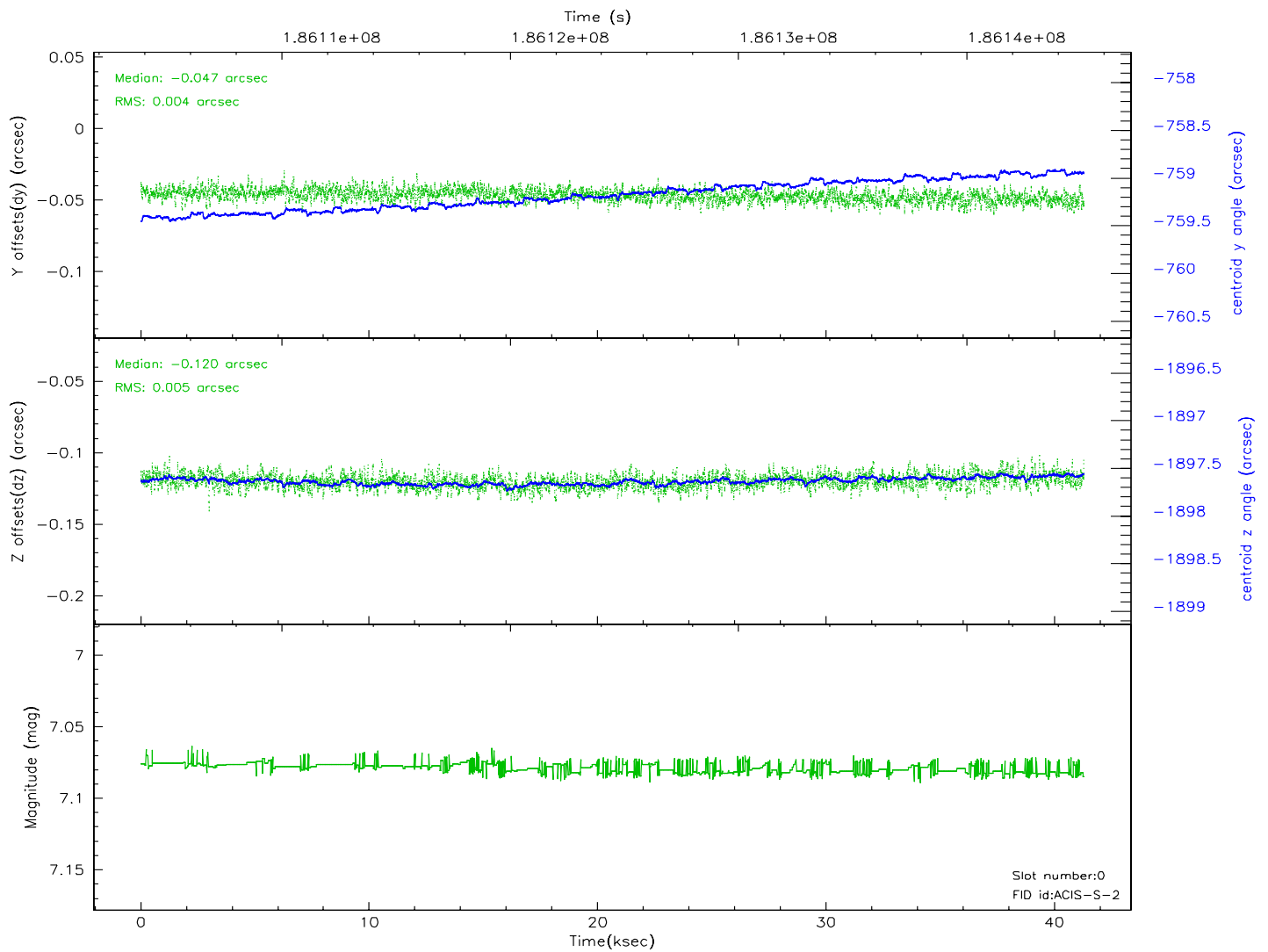
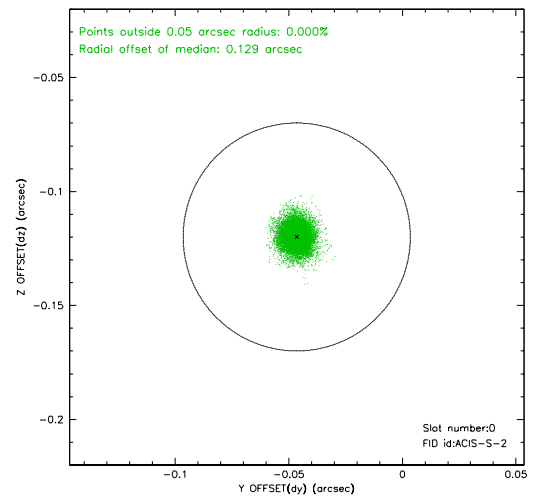
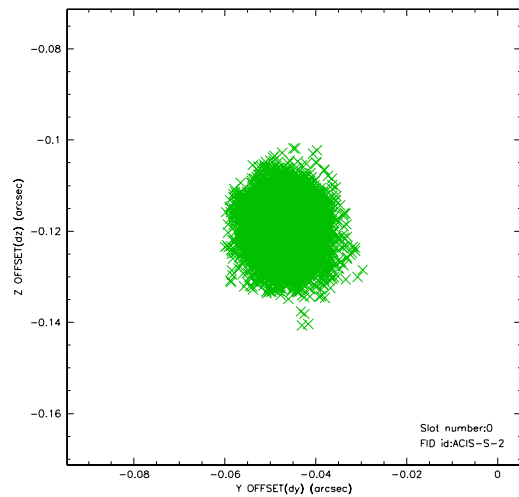


## 2.4.5 Slot 7

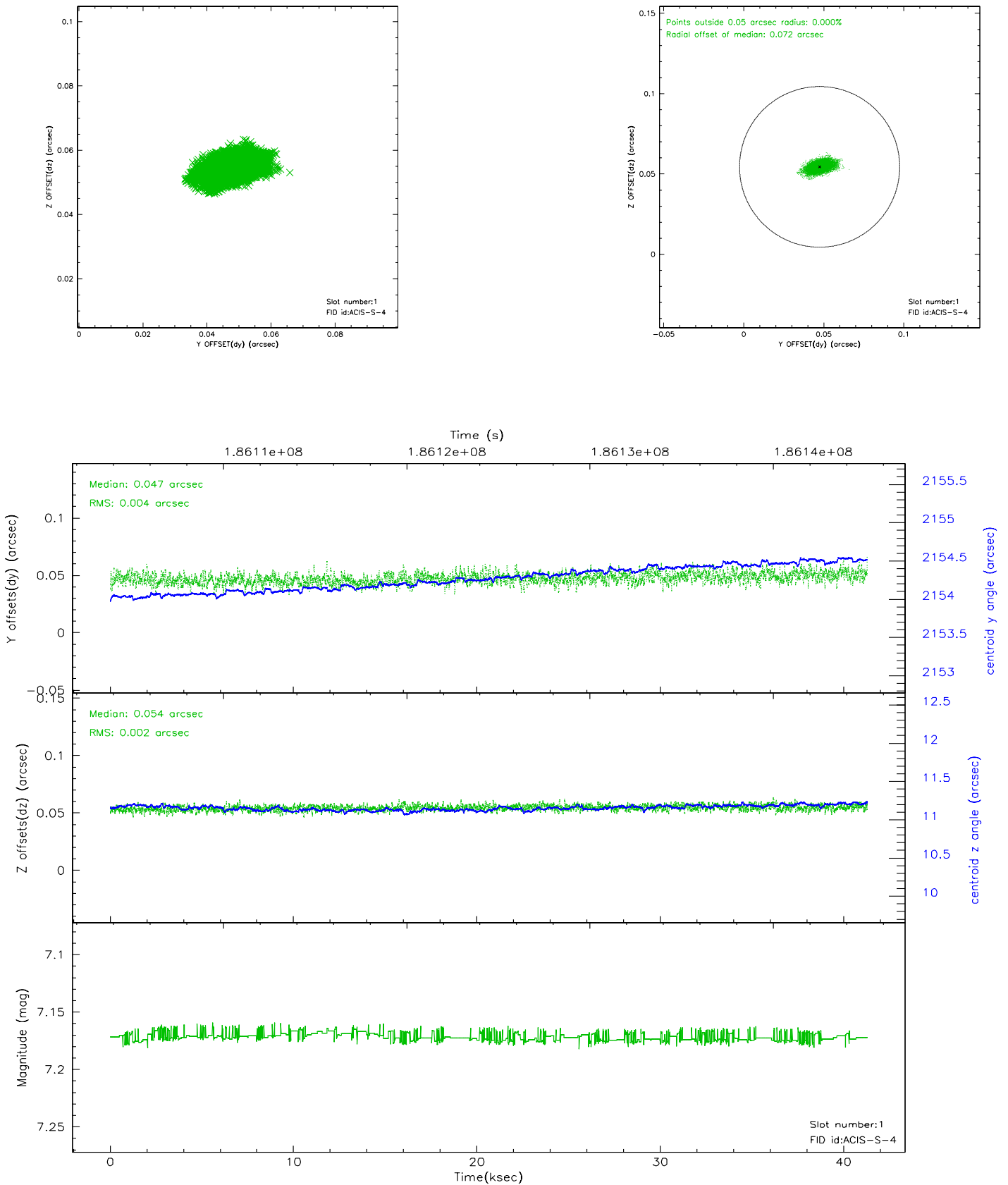


## 2.5 FID Slots

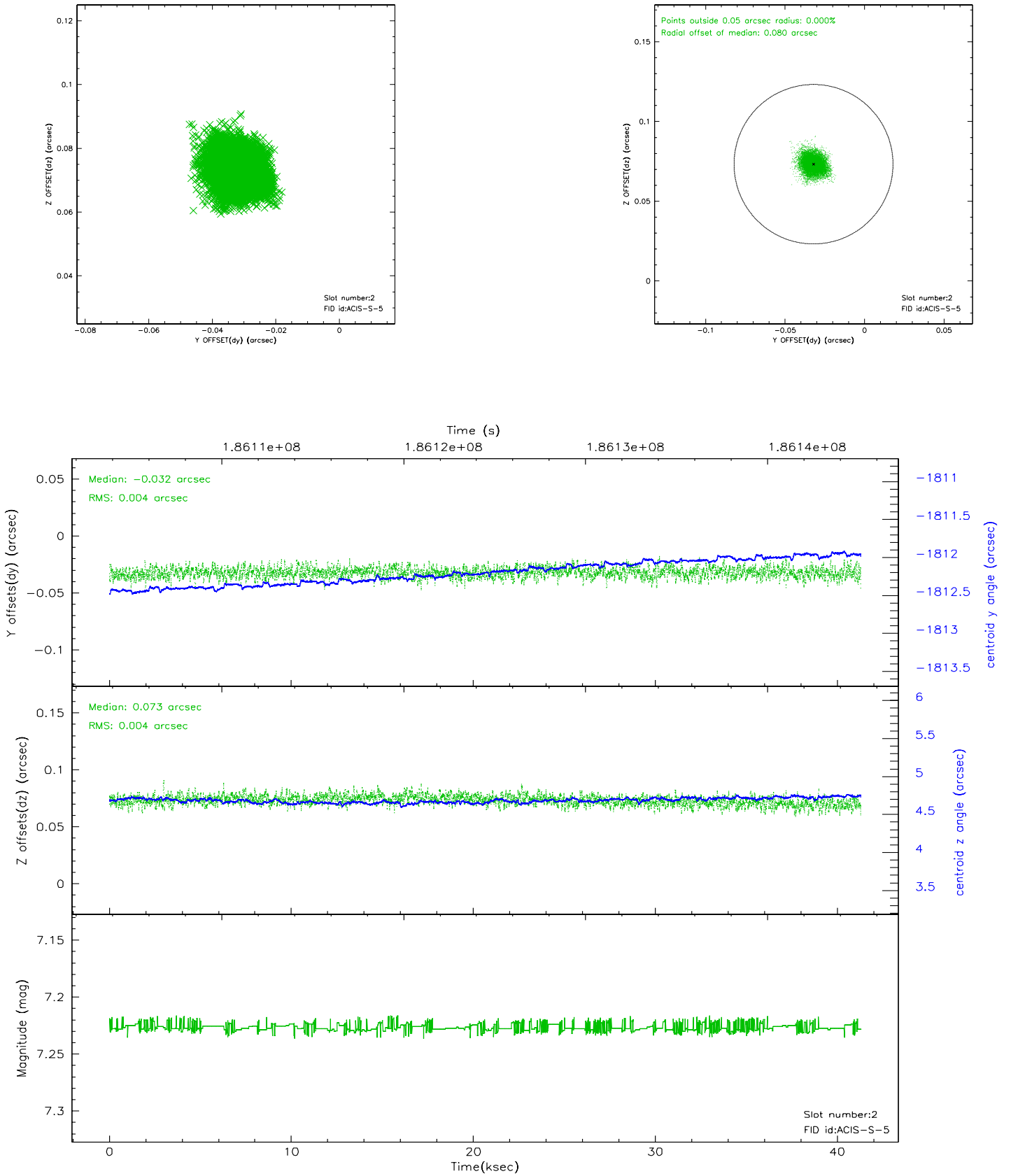
### 2.5.1 Slot 0



## 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)	2006.06.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.3

### A.2 Comments