

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2667 - L2 Version 001  
Chandra X-Ray Center

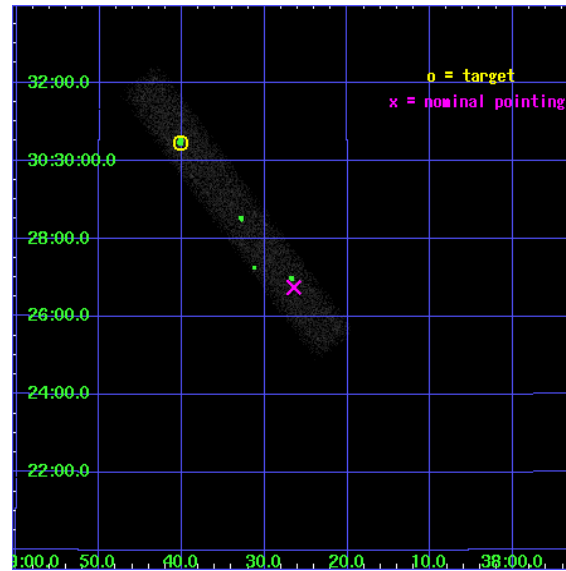
L2 Processing Date : Oct 2 2006

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# 1 Front

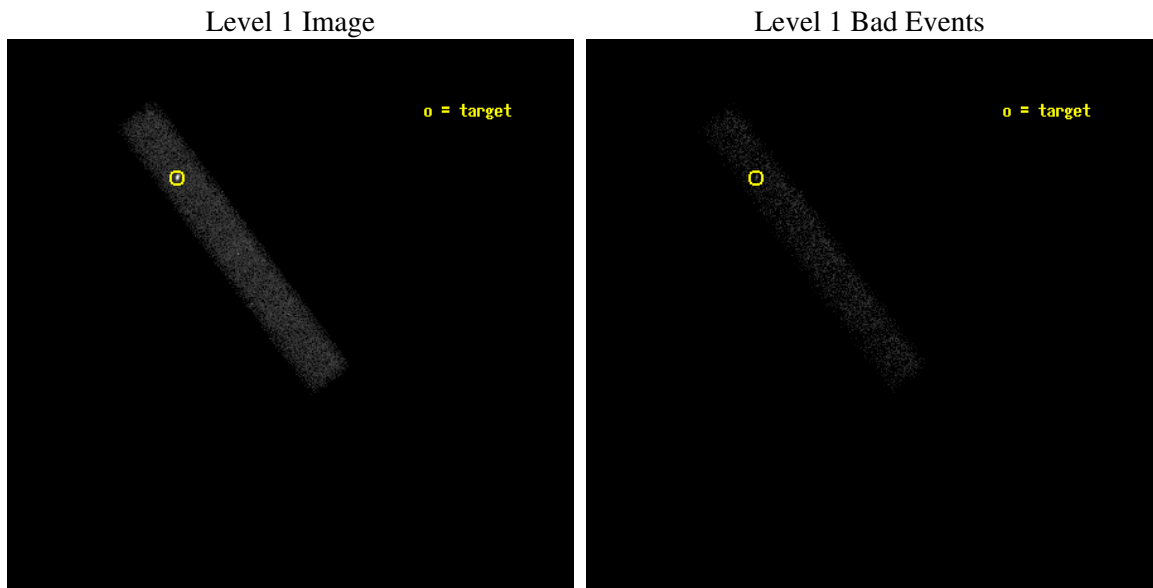
seq_num	300068
obs_id	2667
title	FLARES, MAGNETIC RECONNECTIONS AND ACCRETION DISK VISCOSITY
observer	DR. WILLIAM WELSH
object	EM CYG
dtcycle	0
cycle	P
ra_targ	294.667083
dec_targ	30.507778
ra_nom	294.61036924771
dec_nom	30.445634391778
roll_nom	233.20744383109
revision	2
ontime	24939.159351557
livetime	22618.501135097
ontime7	24939.159351557
l2events	15392



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-02T18:42:15
revision	2

sched_exp_time	25000.000000
ontime	26049.719204605
ontime7	26049.719204605
l1events	31717

### 2.1.4 Events

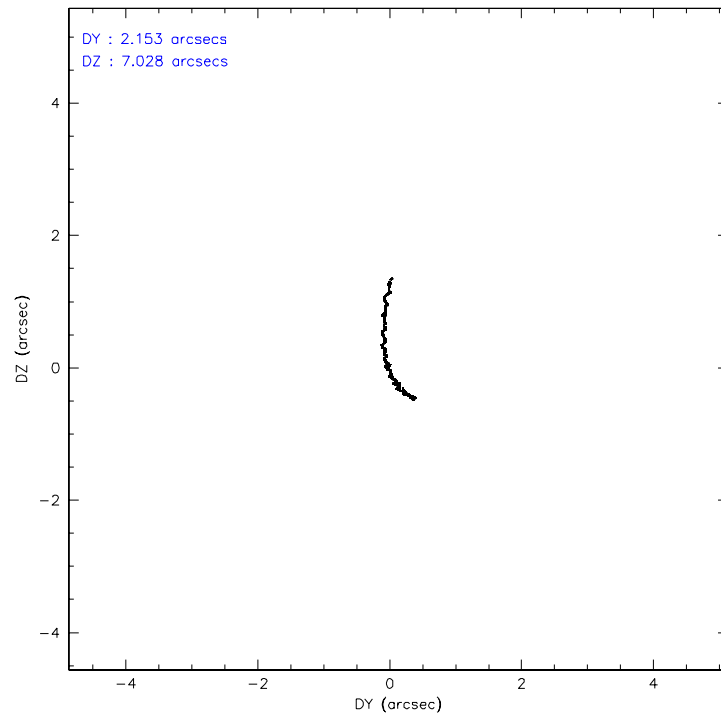
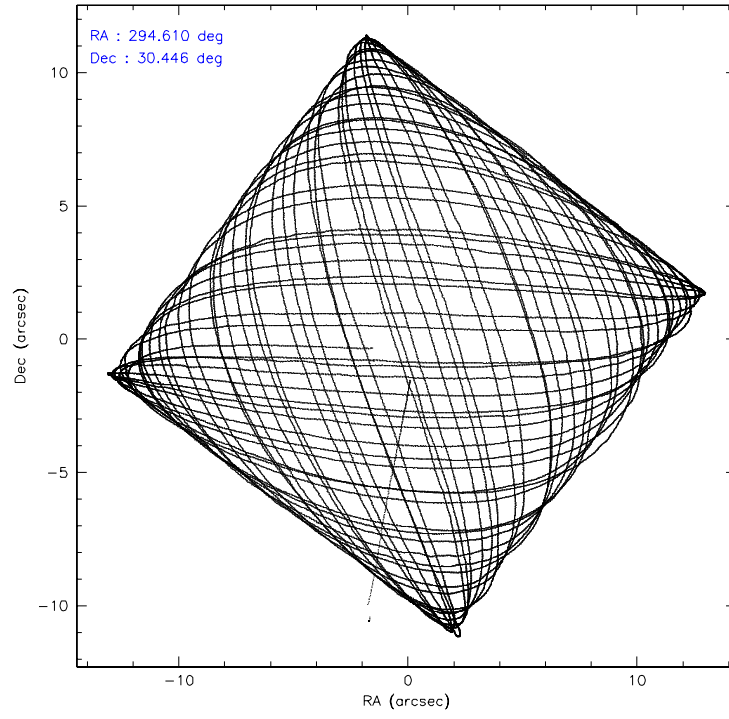
	<b>ccd 7</b>
level 1 events	31717
rejected events	15850
rejected %	49%

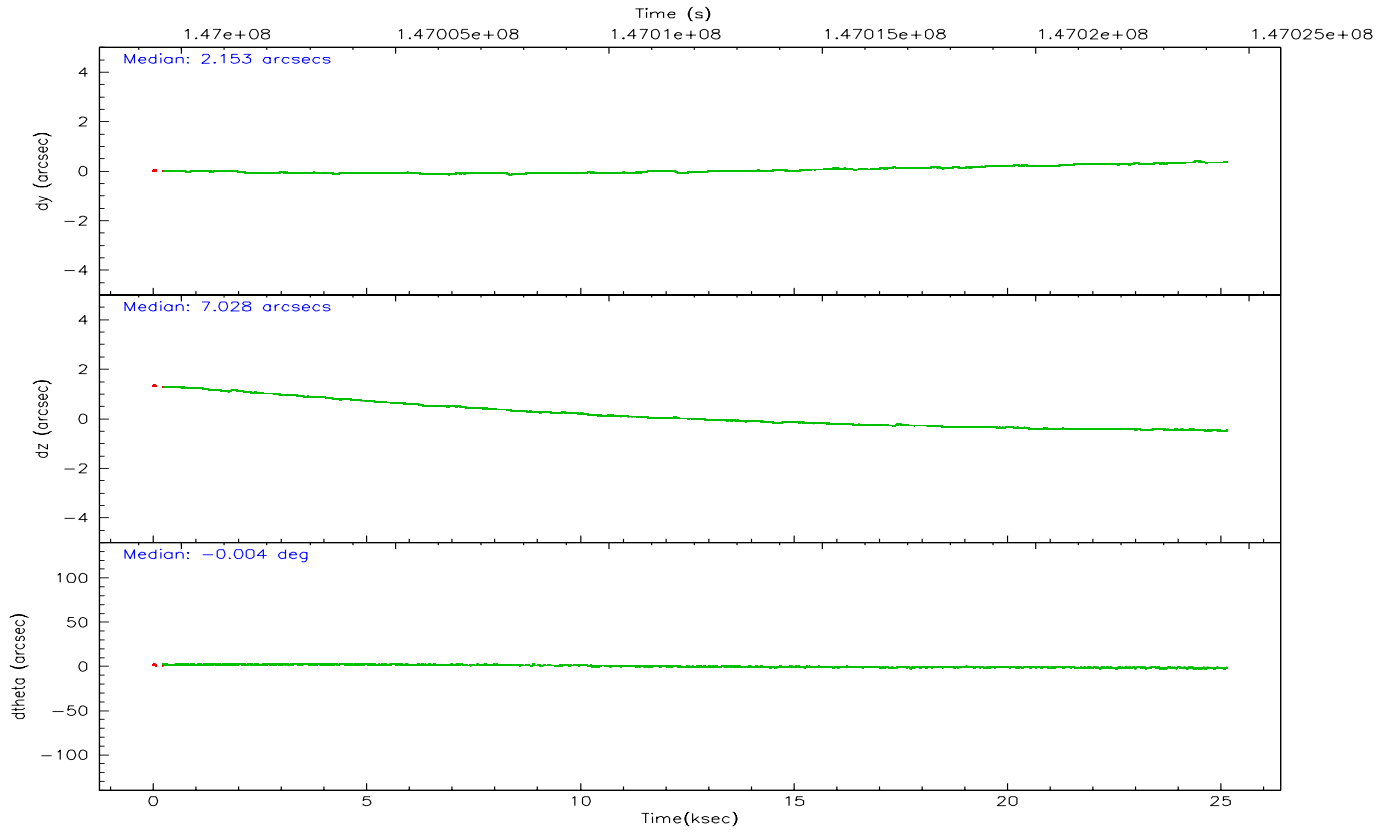
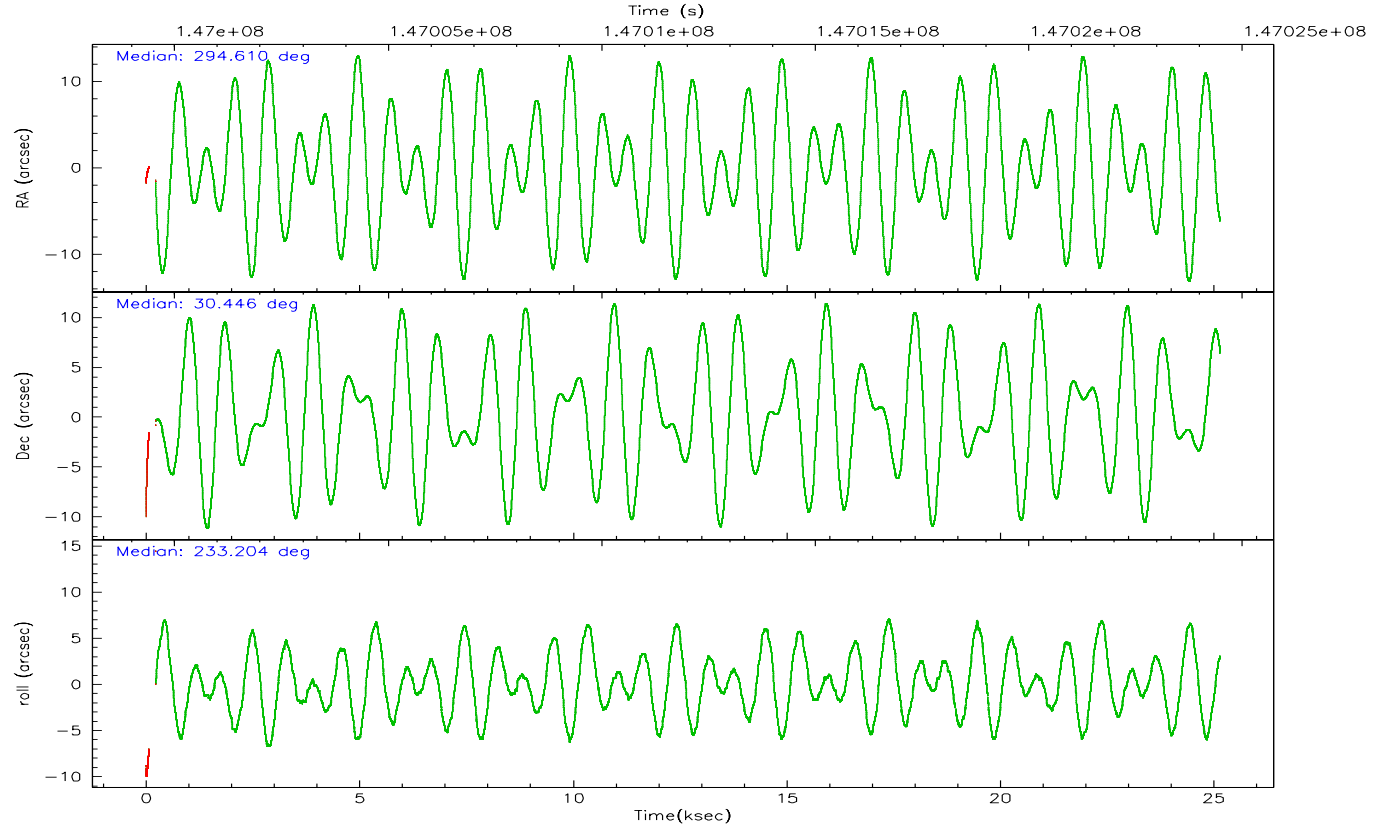
	<b>ccd 7</b>
grade 0 events	2318
	7%
grade 1 events	22
	0%
grade 2 events	3870
	12%
grade 3 events	1693
	5%
grade 4 events	1697
	5%
grade 5 events	1899
	5%
grade 6 events	6875
	21%
grade 7 events	13343
	42%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	294.613704	294.6103692477121	Subarray requested	1/8	1/8
Pointing Dec	30.472722	30.44563439177838	Subarray start row	0	449
Pointing Roll	233.049132	233.2074438310861	Subarray row count	1024	128
Window start time	146999479.184000	146999479.184000	Alternating exposures requested	N	N
Window stop time	147026467.184000	147026467.184000	Primary exposure time	0.000000	0.4
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	146999479.184000	146998422.60748			
Observation start date	2002-08-29T09:10:15	2002-08-29T08:53:42			
Observation end time	147024479.184000	147025167.42108			
Observation end date	2002-08-29T16:06:55	2002-08-29T16:19:27			
Read mode	TIMED	TIMED			

## 2.3 Aspect





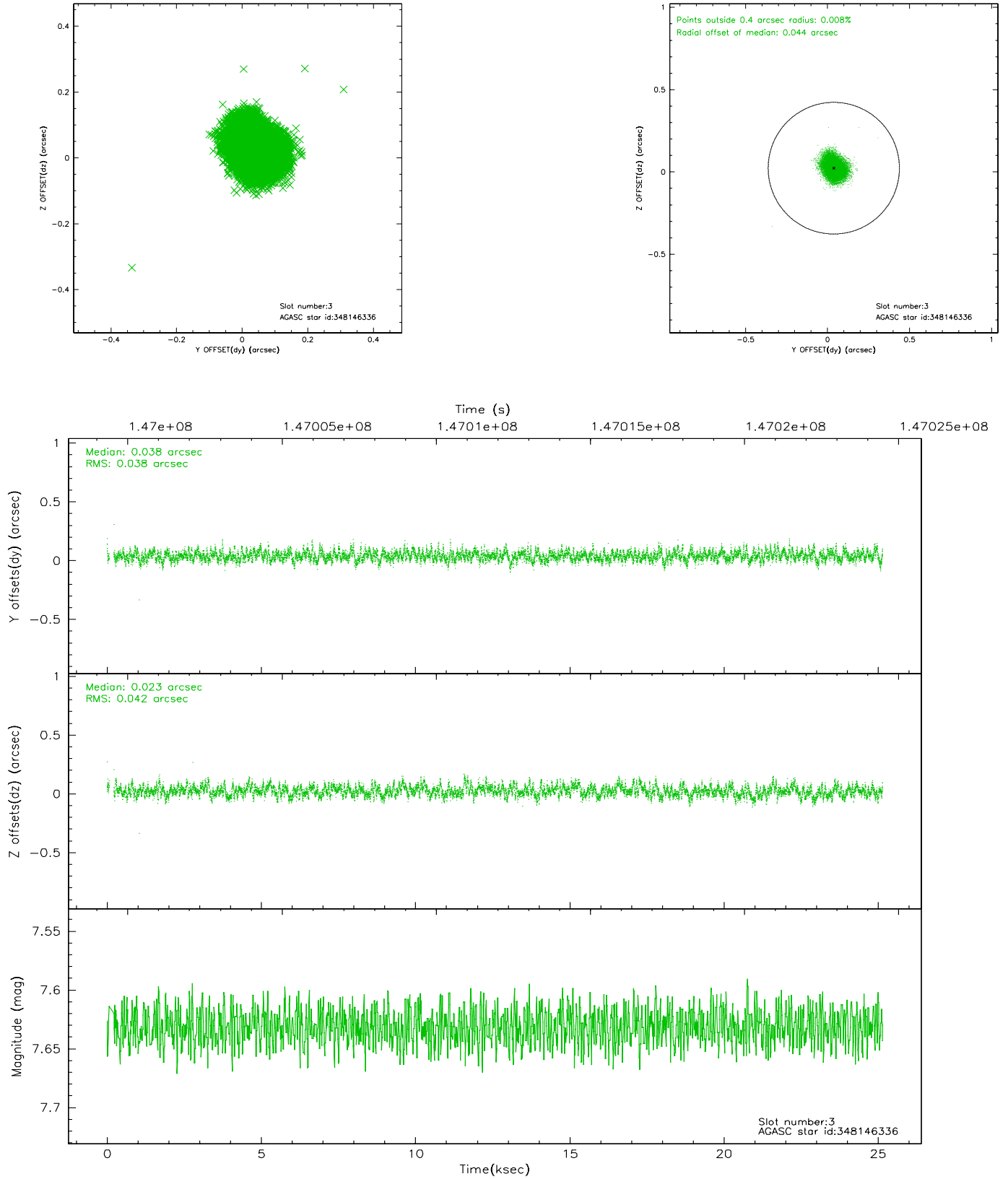
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	6101	-0.018	0.018	0.014	0.024	0.000000	0.000000	-754.84	-1728.33
1	FID	ACIS-S-4	7.20	6100	-0.059	0.003	0.012	0.020	0.000000	0.000000	2158.33	180.02
2	FID	ACIS-S-5	7.24	6100	0.045	-0.015	0.014	0.025	0.000000	0.000000	-1807.47	173.80
3	GUIDE	348146336	7.63	12196	0.038	0.023	0.061	0.096	294.874036	30.408269	-300.55	785.52
4	GUIDE	348022912	8.02	12199	-0.091	-0.068	0.060	0.092	294.661394	31.219227	-2235.34	-1497.71
5	GUIDE	348024776	8.15	12197	-0.013	0.058	0.055	0.088	293.903873	30.390500	1556.66	-1587.10
6	GUIDE	348009424	8.85	12196	0.063	-0.012	0.059	0.096	294.512266	30.147769	1125.41	451.37
7	MONITOR		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

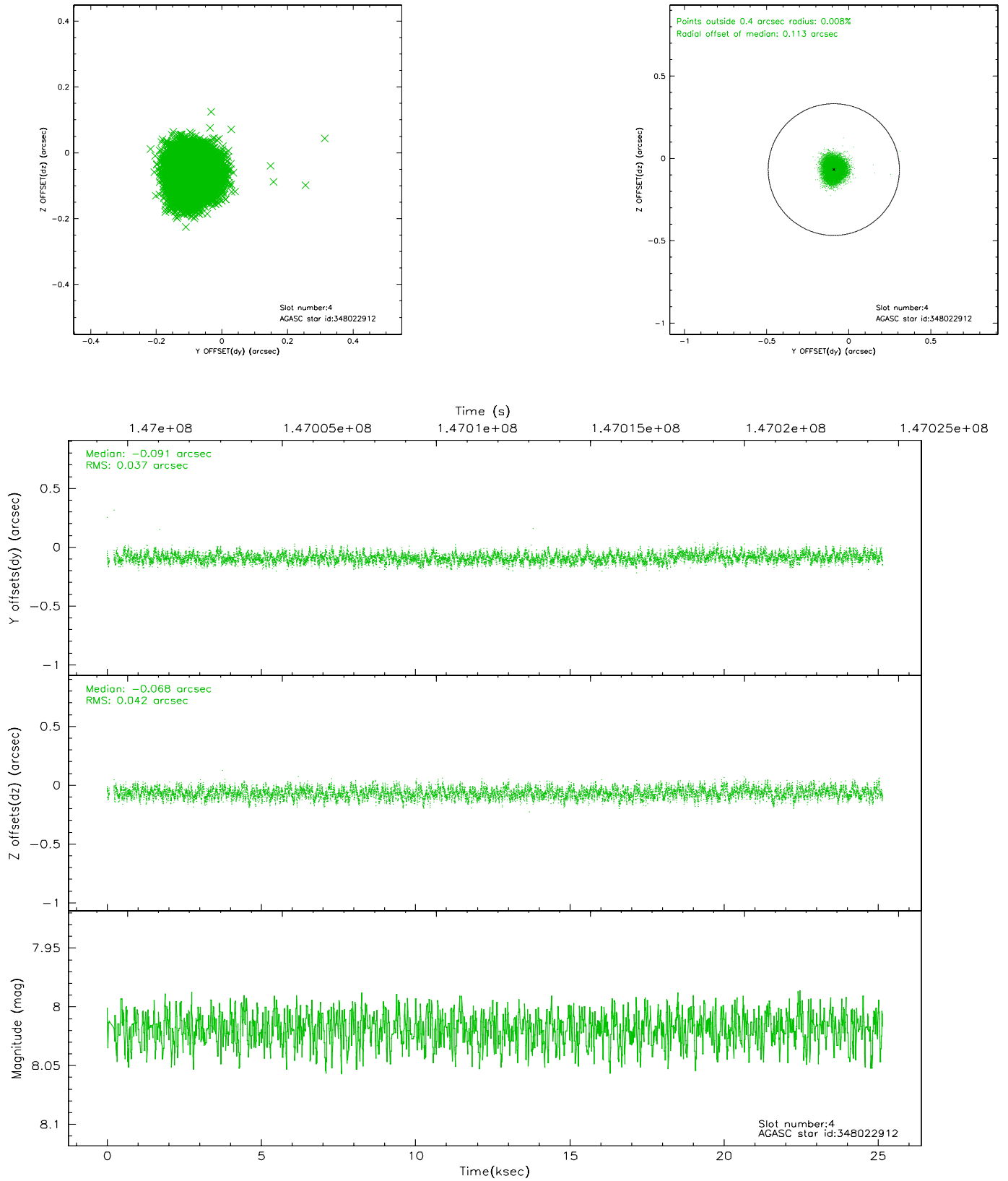


## 2.4 Star Slots

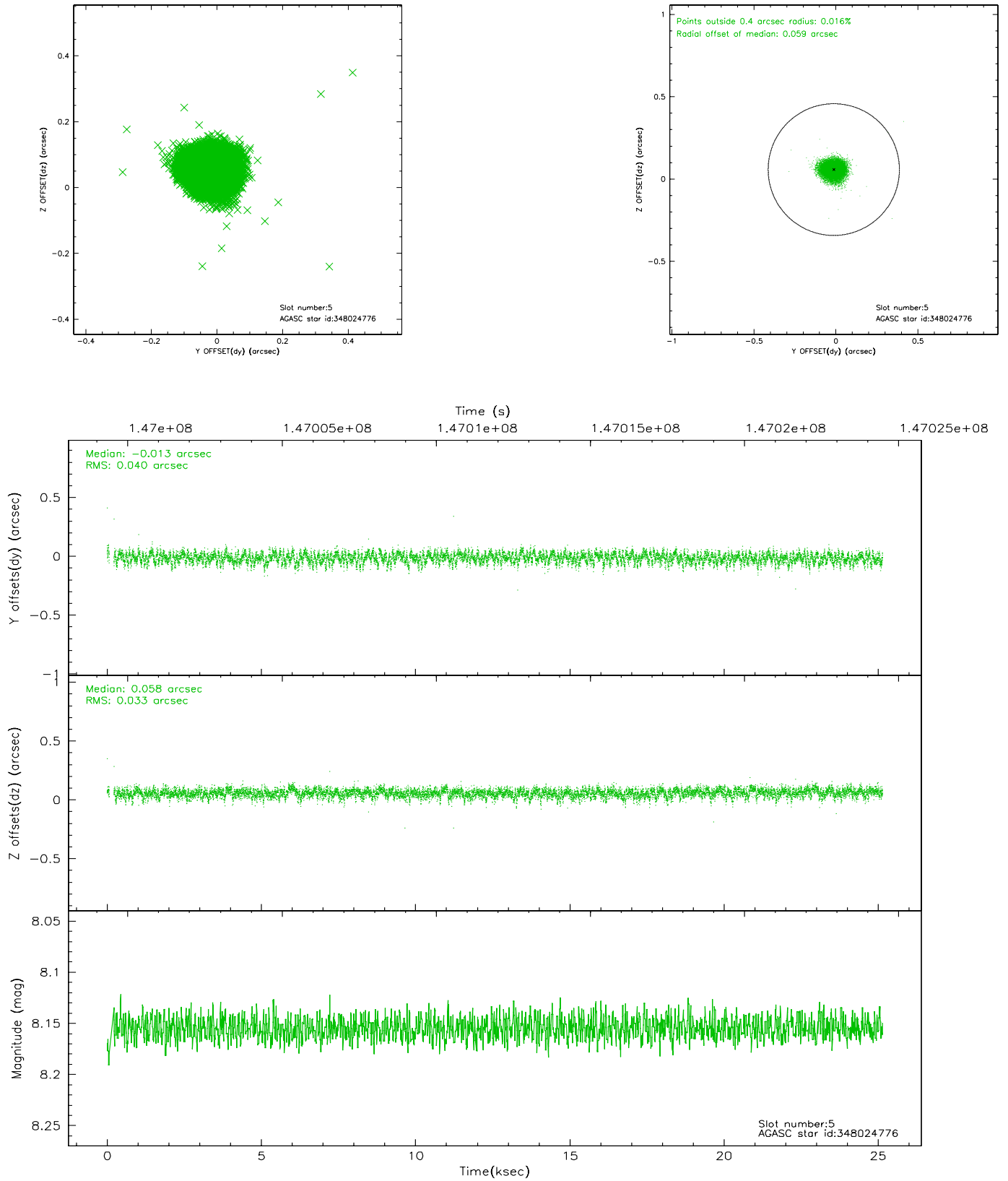
### 2.4.1 Slot 3



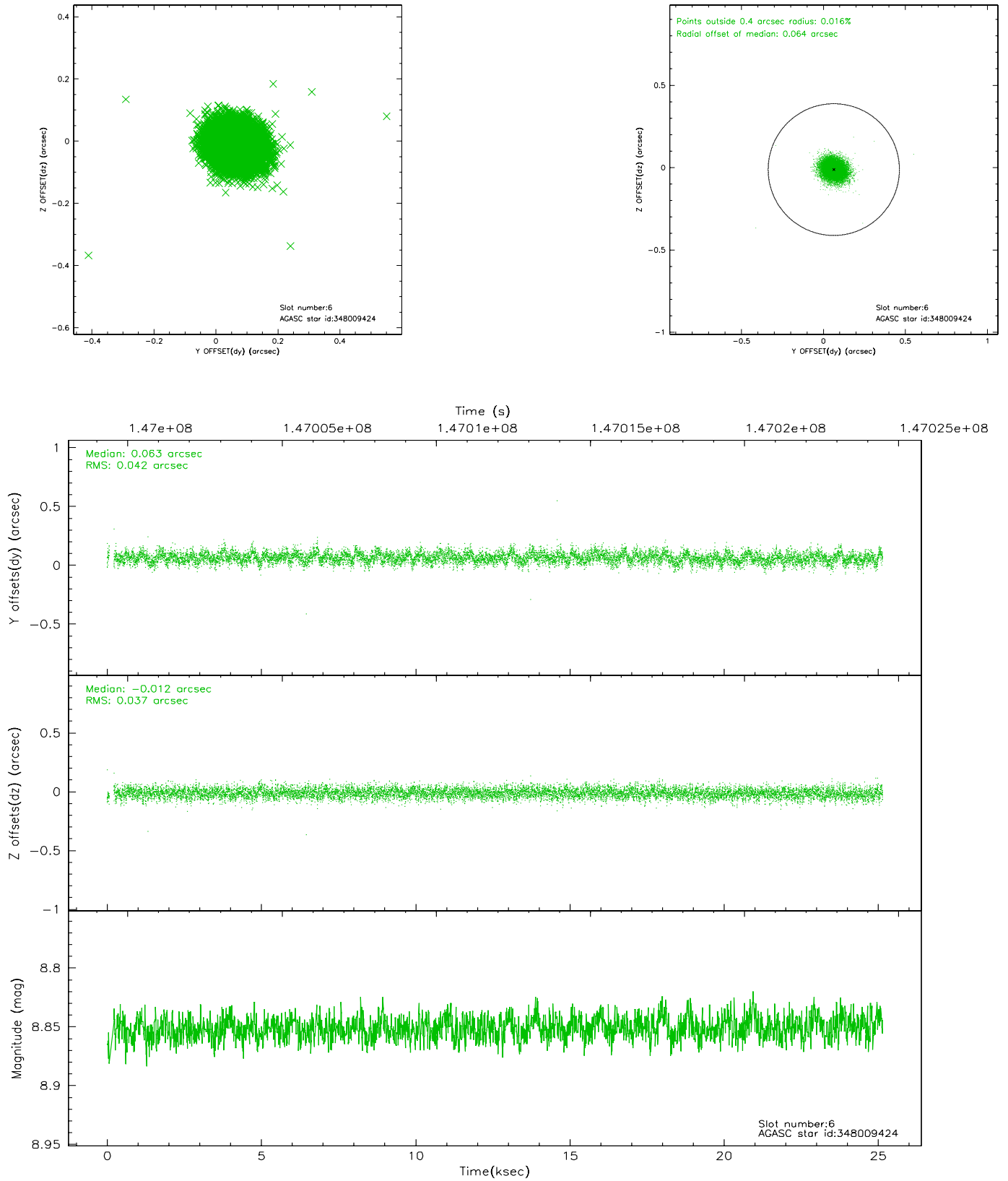
## 2.4.2 Slot 4



### 2.4.3 Slot 5

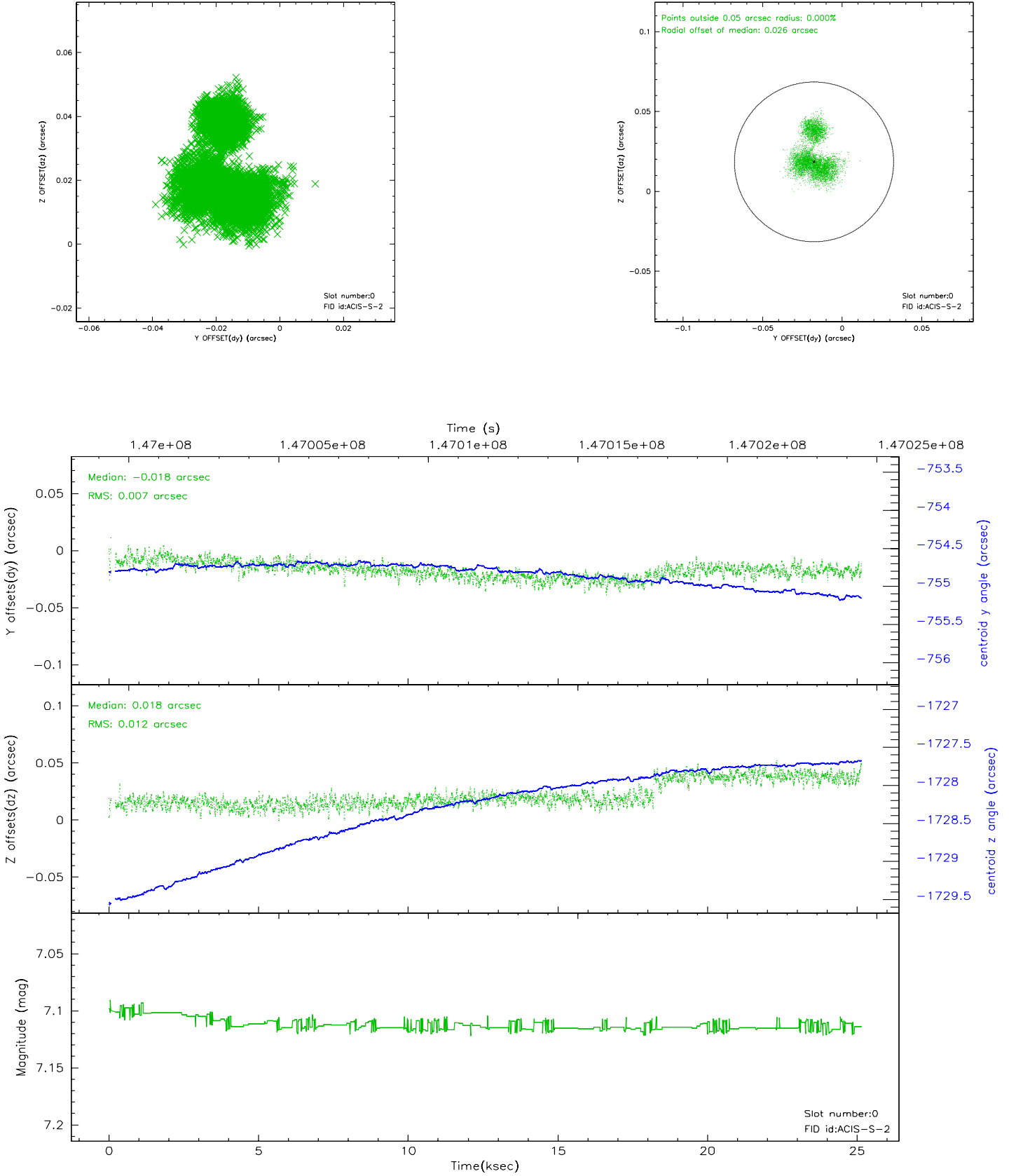


## 2.4.4 Slot 6

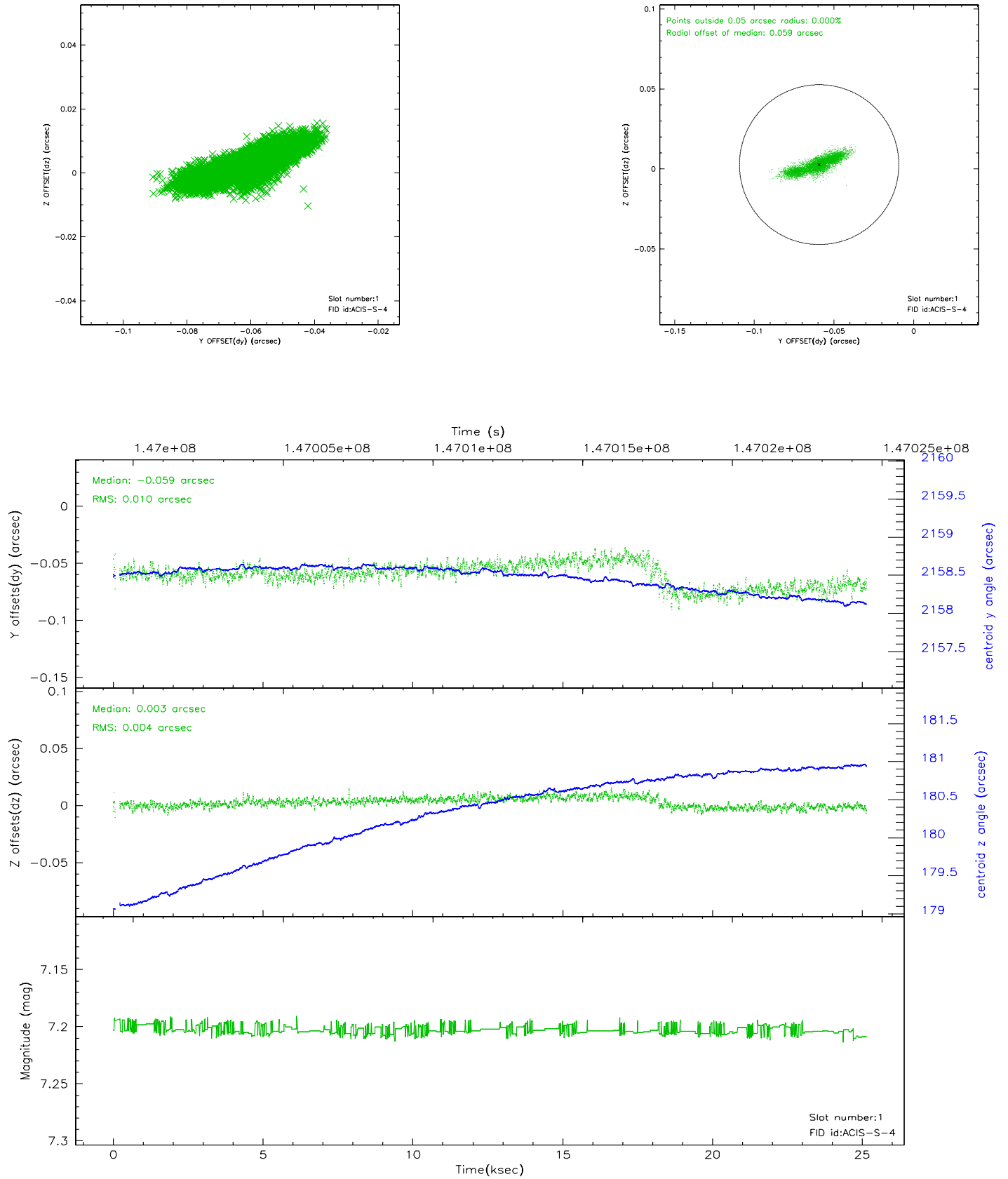


## 2.5 FID Slots

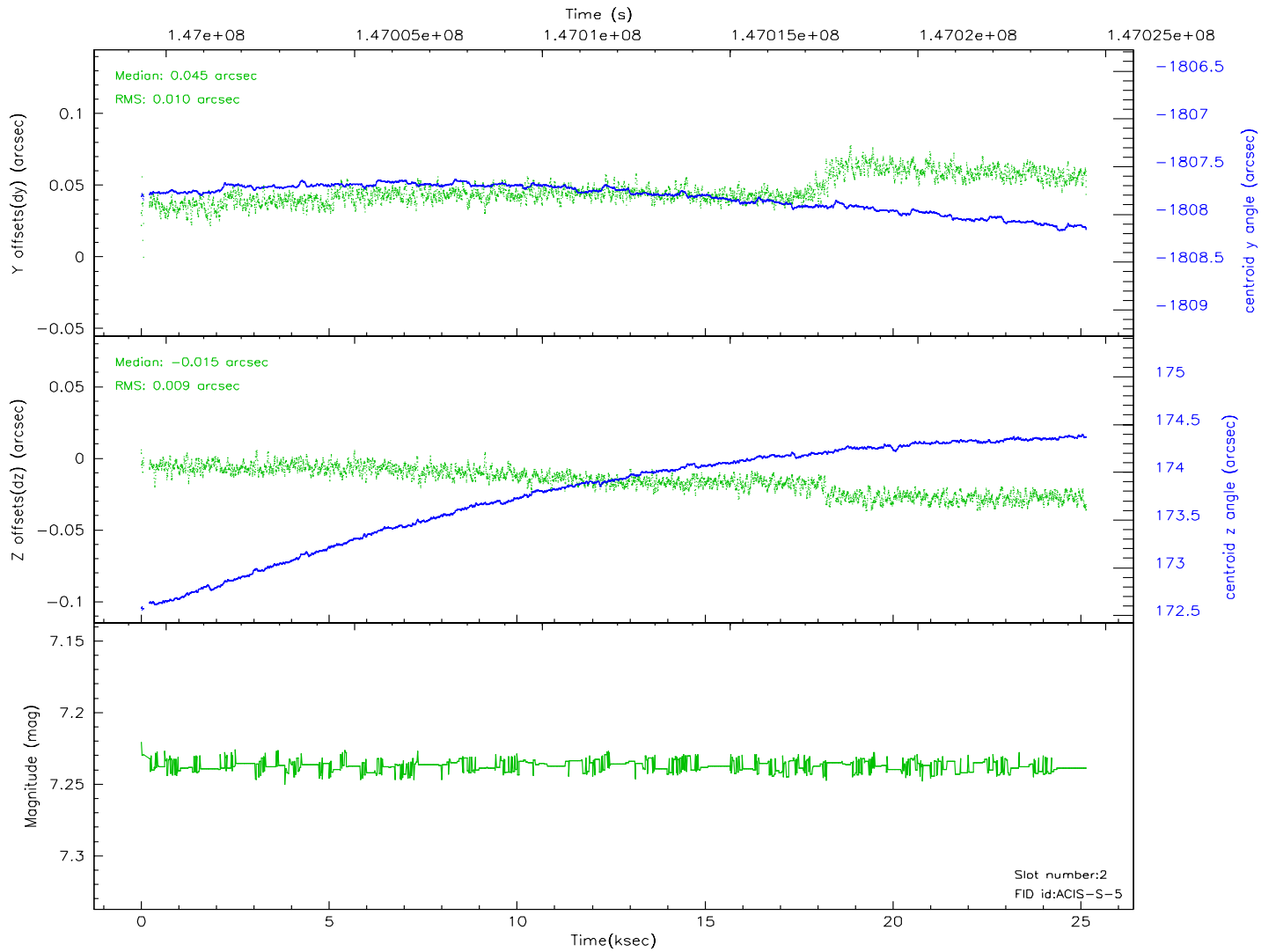
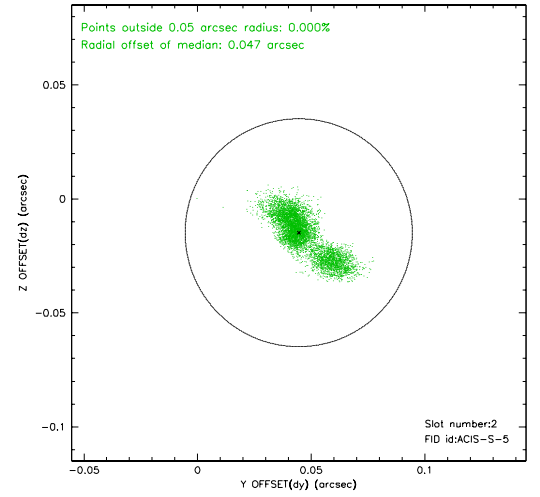
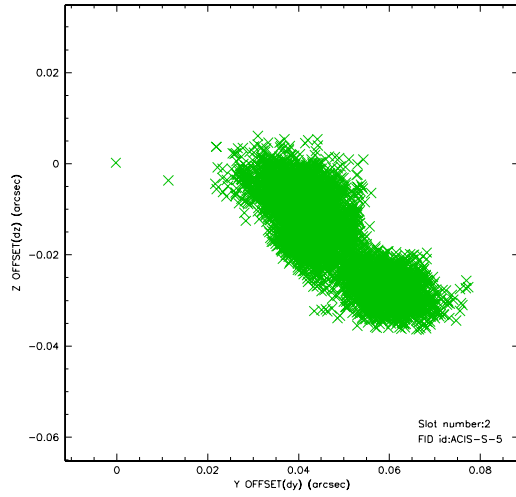
### 2.5.1 Slot 0



## 2.5.2 Slot 1

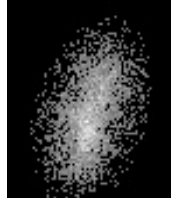


### 2.5.3 Slot 2



### 3 Point Sources

4.74 arcmin





## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.939

### A.2 Comments

Monitor constraint met.