

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4487 - L2 Version 001  
Chandra X-Ray Center

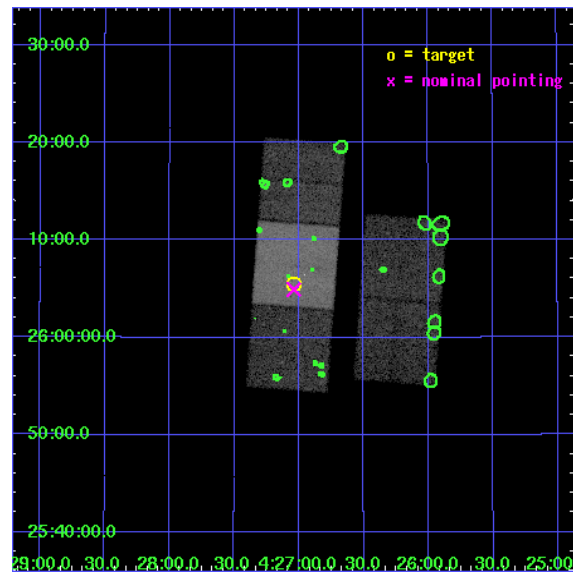
L2 Processing Date : Jun 8 2006

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# 1 Front

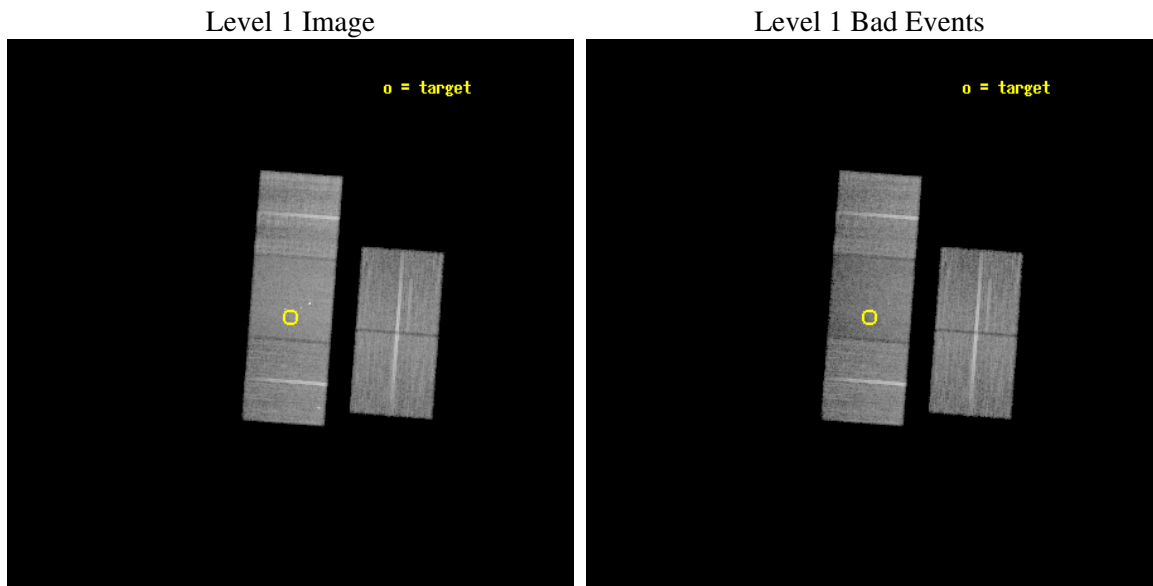
seq_num	200256
obs_id	4487
title	SHOCKS AND X-RAYS IN PROTOSTELLAR JETS
observer	Dr. Manuel Guedel
object	DG Tau AB
dtcycle	0
cycle	P
ra_targ	66.760833
dec_targ	26.091917
ra_nom	66.759752483562
dec_nom	26.082302593086
roll_nom	274.30530166841
revision	2
ontime	30110.299942106
livetime	29716.886706482
ontime2	30107.158931941
ontime3	30110.299942106
ontime6	30107.158961862
ontime7	30110.299942106
ontime8	30110.299942106
l2events	120524



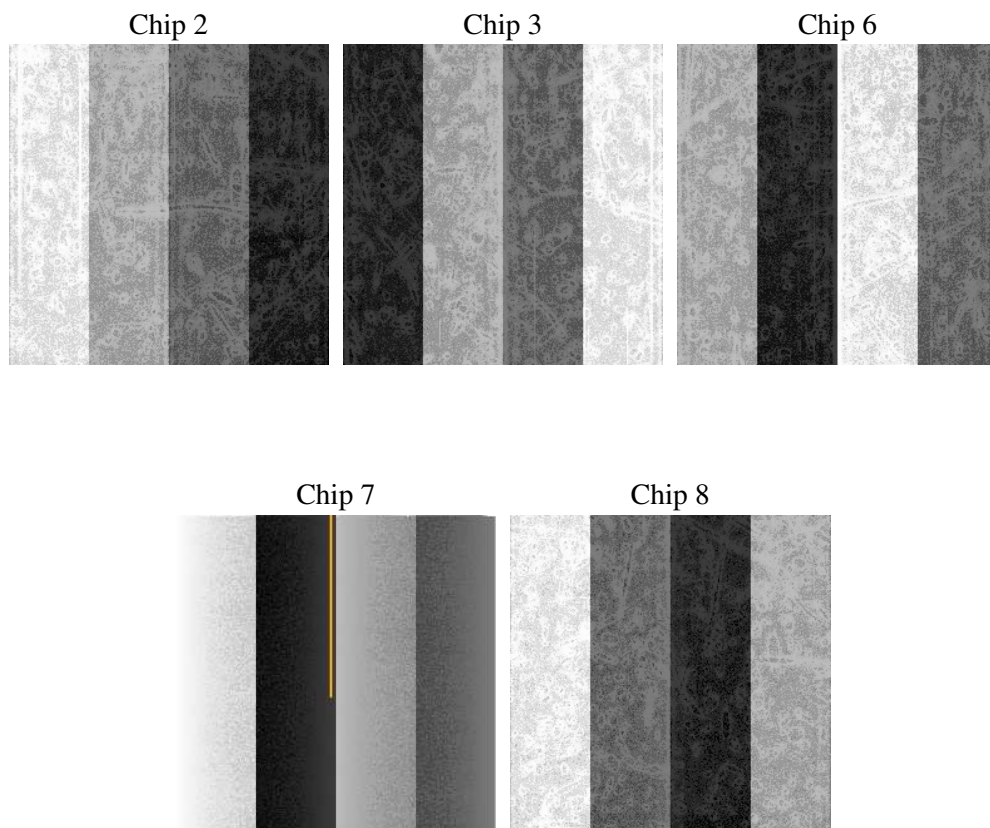
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-06-08T10:33:05
revision	2

sched_exp_time	30000.000000
ontime	30112.878731877
ontime2	30109.737721711
ontime3	30112.878731877
ontime6	30109.737751633
ontime7	30112.878731877
ontime8	30112.878731877
l1events	784782

### 2.1.4 Events

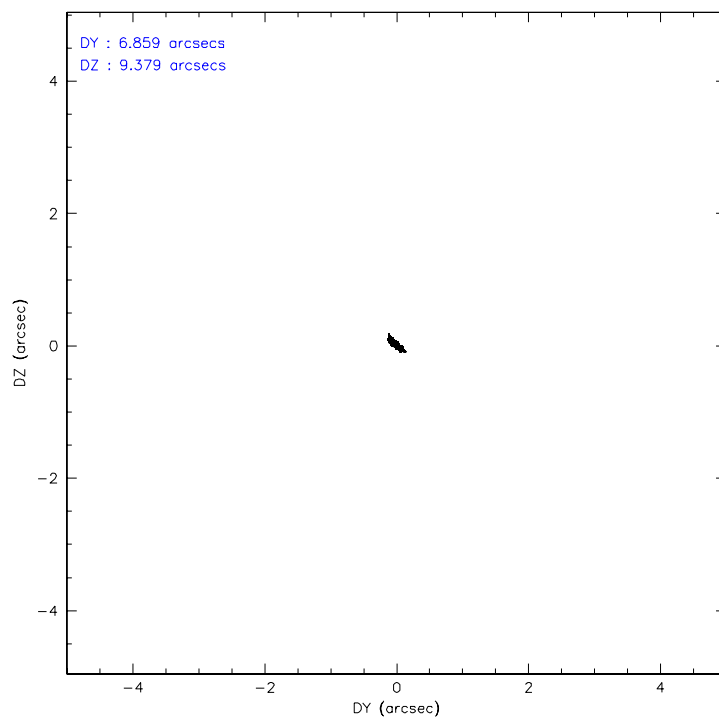
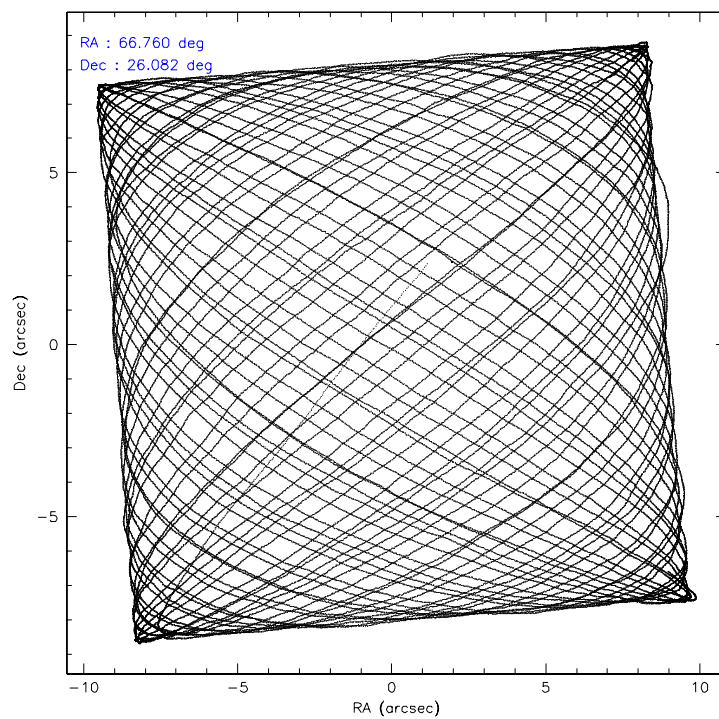
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	146241	142034	147845	163712	184950
rejected events	132279	128503	131565	94517	139745
rejected %	90%	90%	88%	57%	75%

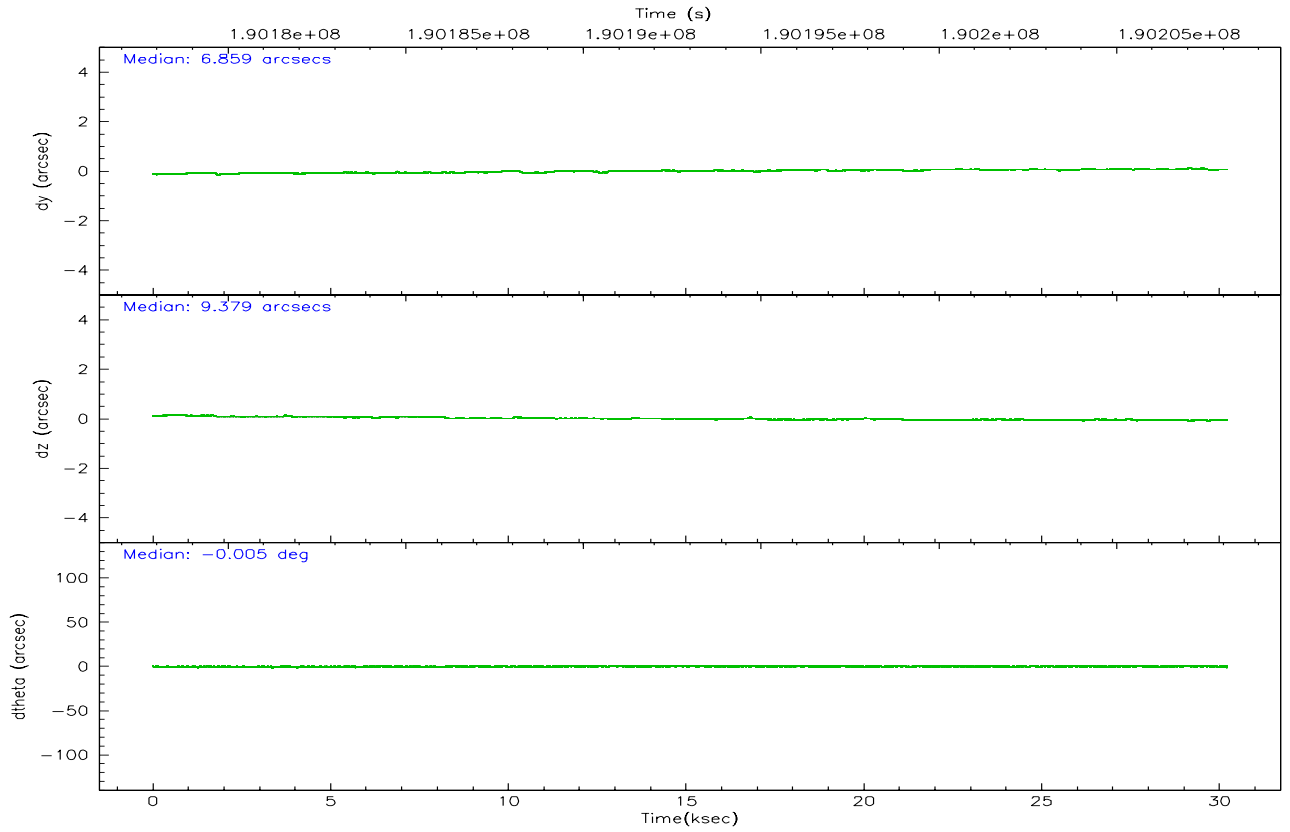
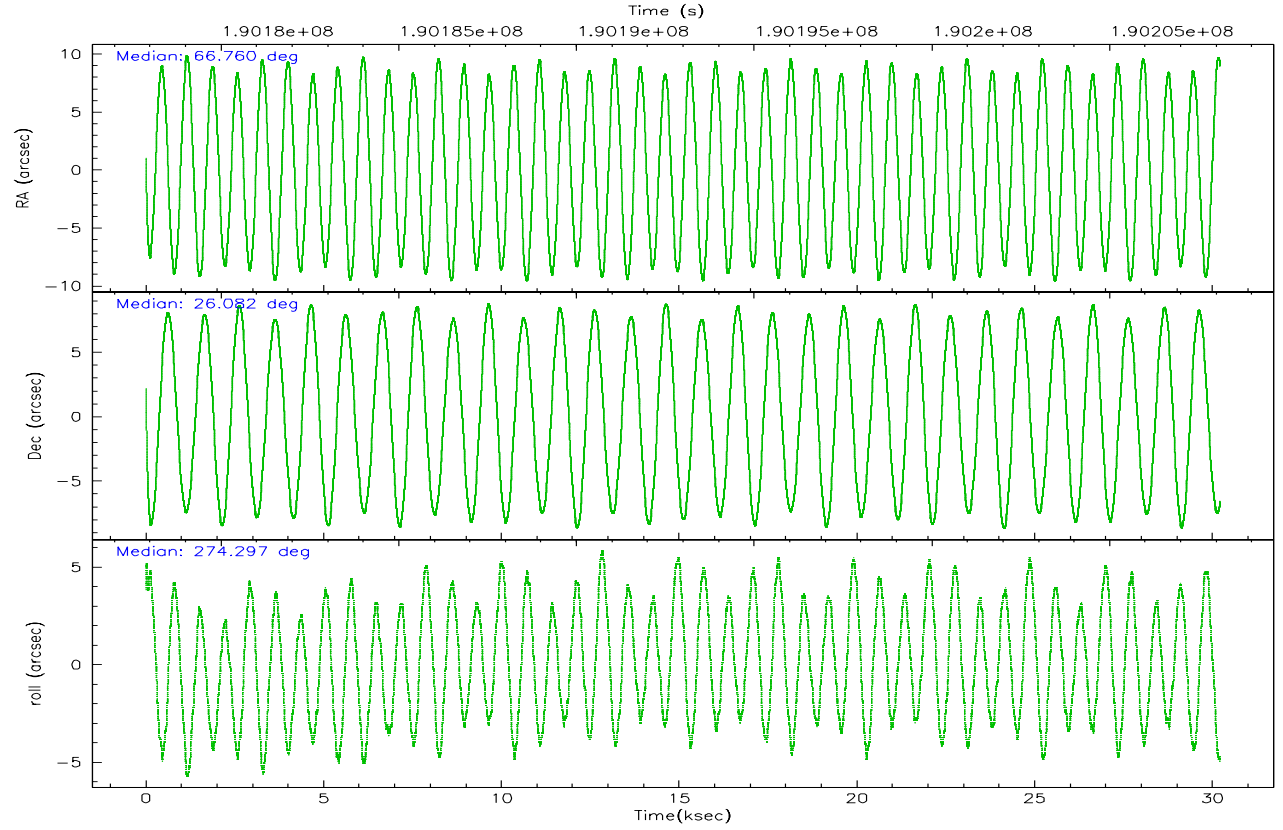
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	5037	4778	6146	4300	14578
	3%	3%	4%	2%	7%
grade 1 events	62	66	64	83	135
	0%	0%	0%	0%	0%
grade 2 events	3219	2857	3444	17114	9237
	2%	2%	2%	10%	4%
grade 3 events	1517	1601	1730	4137	5452
	1%	1%	1%	2%	2%
grade 4 events	1637	1565	1685	4016	5035
	1%	1%	1%	2%	2%
grade 5 events	4752	5770	5991	12231	8175
	3%	4%	4%	7%	4%
grade 6 events	2553	2730	3275	39635	10904
	1%	1%	2%	24%	5%
grade 7 events	127464	122667	125510	82196	131434
	87%	86%	84%	50%	71%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	66.742319	66.75975248356151	Alternating exposures requested	N	N
Pointing Dec	26.104581	26.08230259308602	Primary exposure time	0.000000	3.1
Pointing Roll	274.156330	274.3053016684062			
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	190178109.184000	190177131.63602			
Observation start date	2004-01-11T03:14:05	2004-01-11T02:58:51			
Observation end time	190208109.184000	190209141.87492			
Observation end date	2004-01-11T11:34:05	2004-01-11T11:52:21			
Read mode	TIMED	TIMED			

## 2.3 Aspect





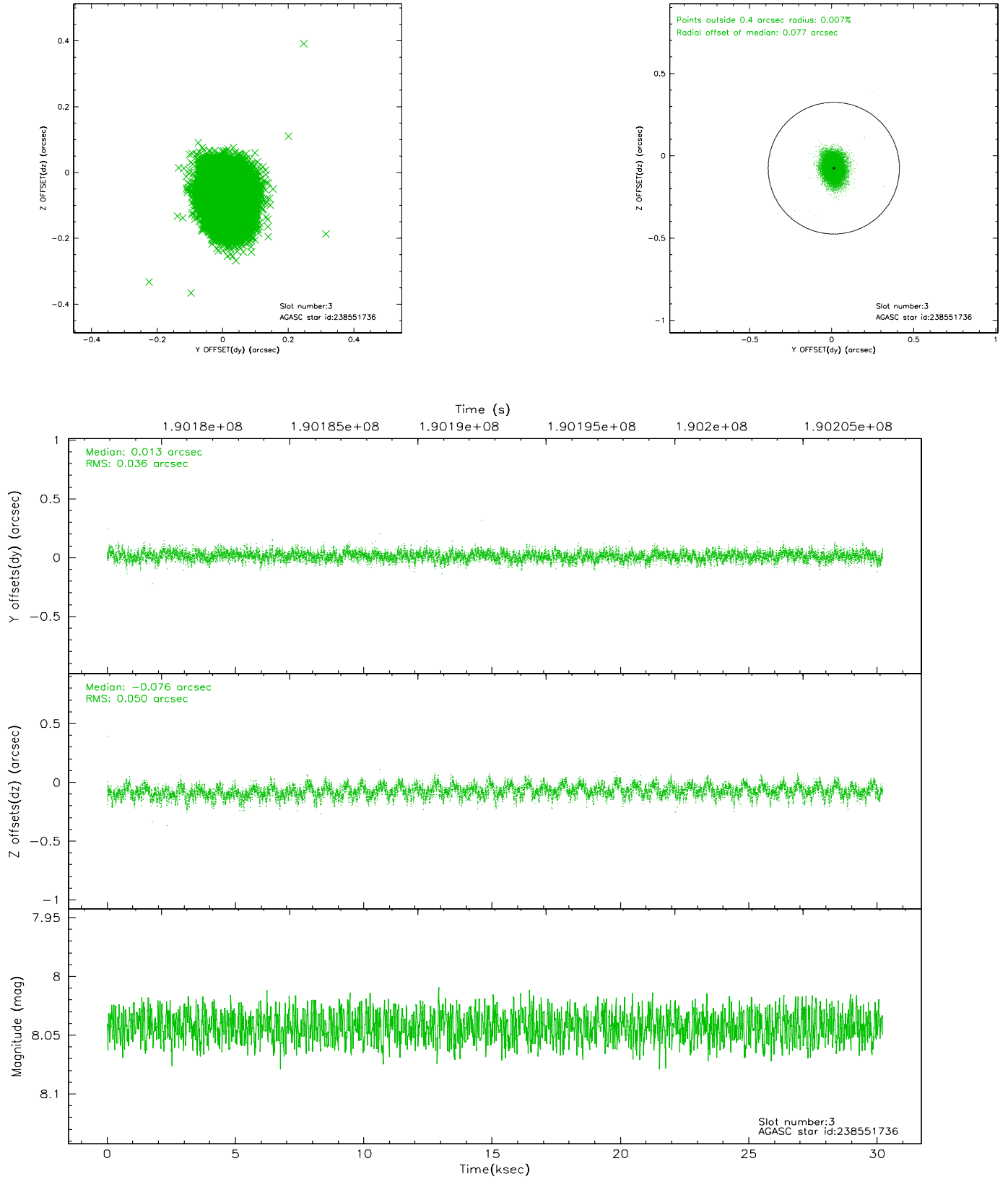
### Slot Statistics

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	7370	-0.027	-0.002	0.010	0.020	0.000000	0.000000	-759.61	-1730.63
1	FID	ACIS-S-4	7.20	7370	0.021	0.013	0.010	0.031	0.000000	0.000000	2153.66	177.83
2	FID	ACIS-S-5	7.23	7370	-0.027	-0.002	0.009	0.017	0.000000	0.000000	-1812.38	171.52
3	GUIDE	238551736	8.04	14738	0.013	-0.076	0.065	0.107	66.295103	25.749175	1169.09	-1538.44
4	GUIDE	238560976	7.88	14738	-0.014	-0.008	0.054	0.089	66.476513	25.572013	1849.22	-999.50
5	GUIDE	240255592	9.94	14729	-0.048	-0.012	0.138	0.221	67.373587	26.152056	-27.55	2047.33
6	GUIDE	240257560	8.71	14739	0.087	0.049	0.058	0.096	66.998185	25.718771	1444.83	727.67
7	GUIDE	240781424	9.20	14734	-0.033	0.046	0.097	0.152	67.378197	26.671551	-1892.36	2188.87

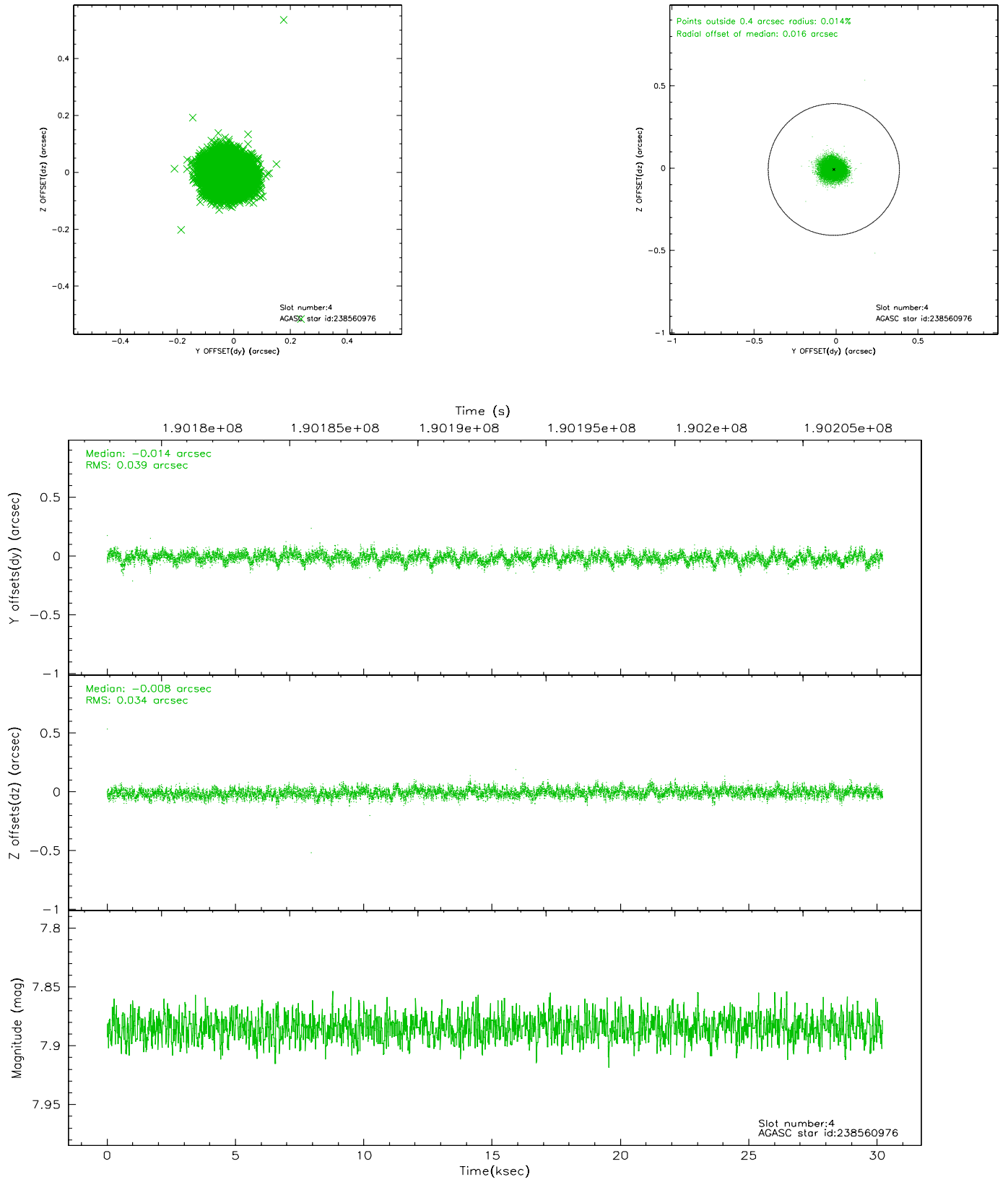


## 2.4 Star Slots

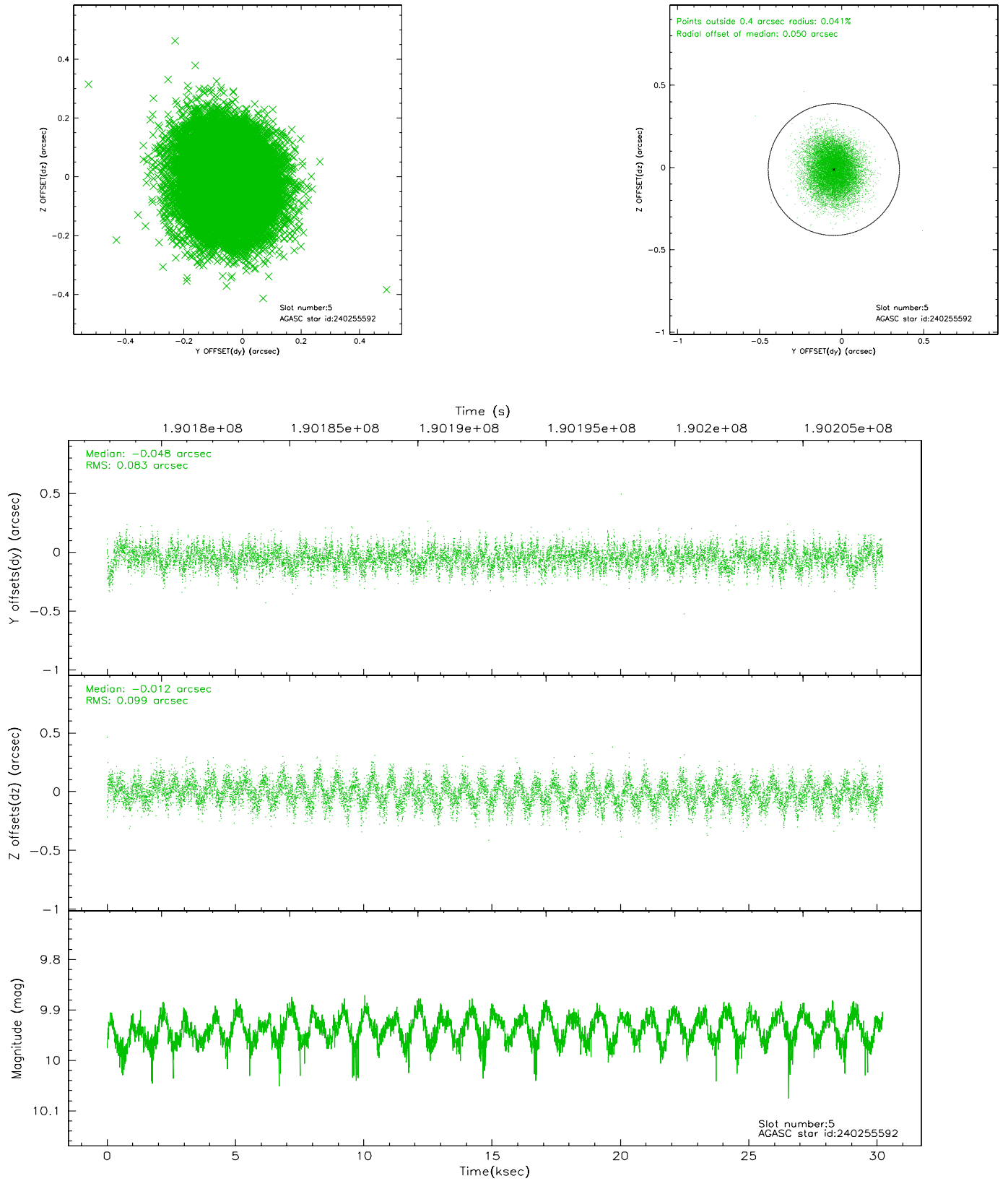
### 2.4.1 Slot 3



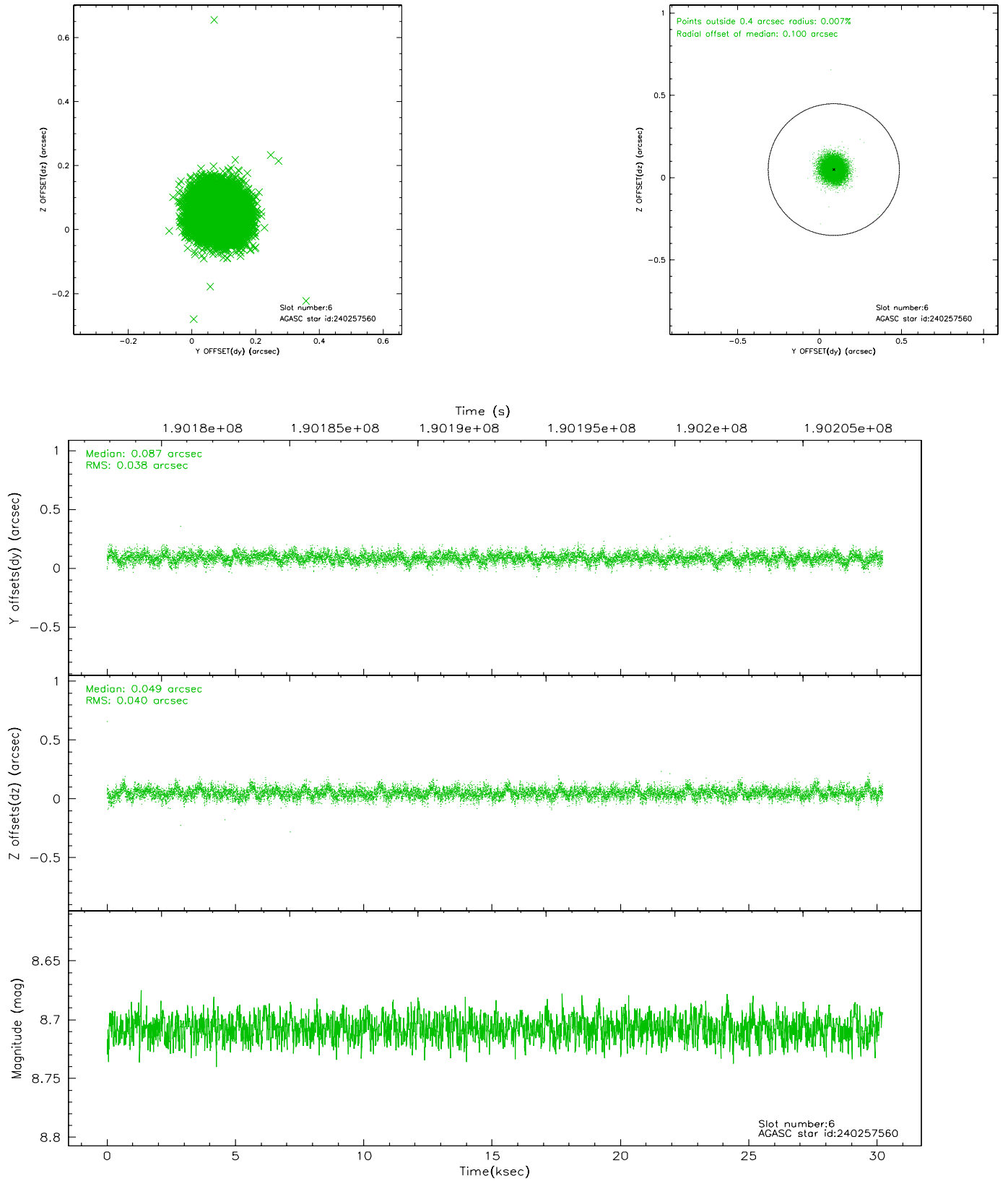
## 2.4.2 Slot 4



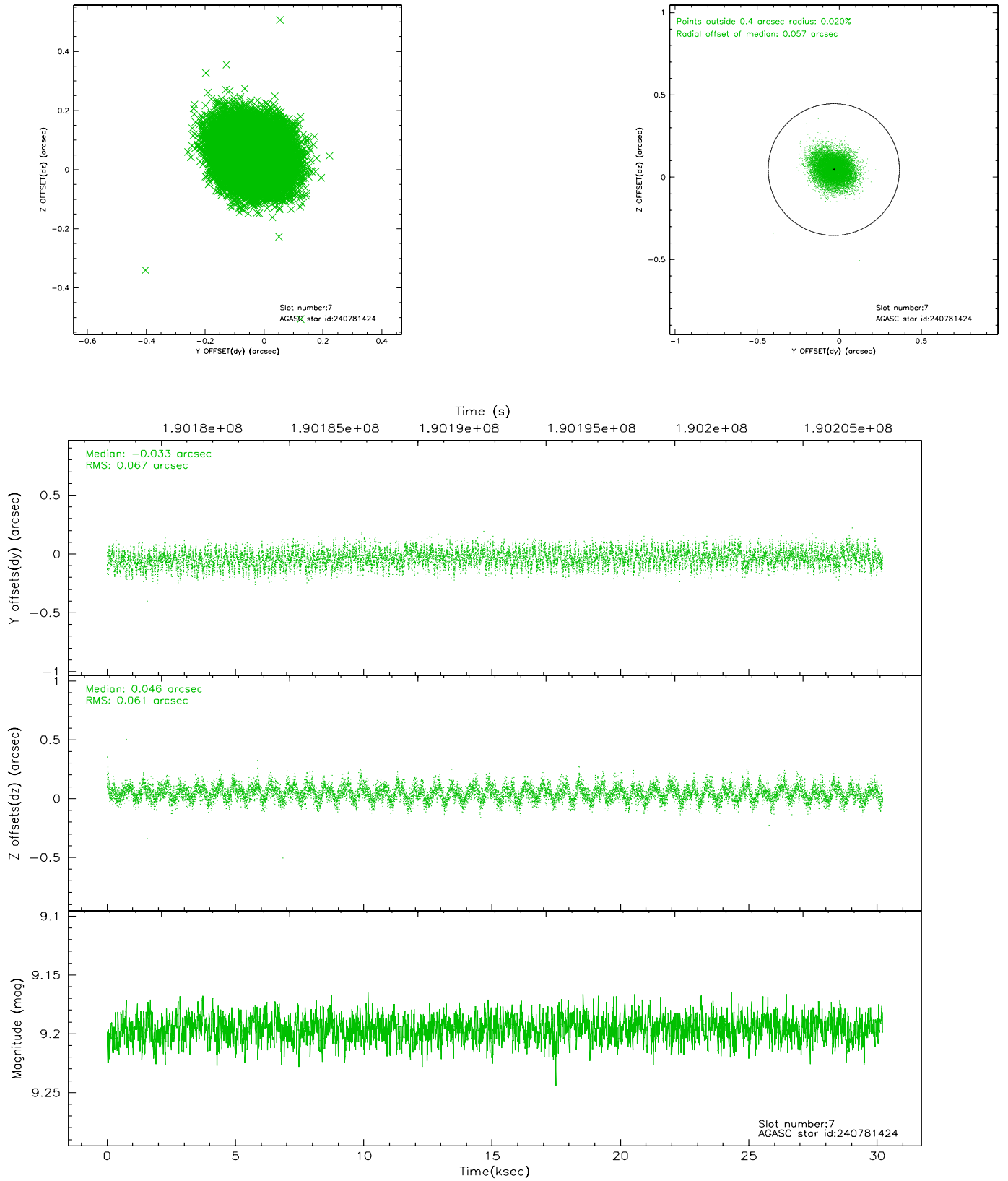
### 2.4.3 Slot 5



## 2.4.4 Slot 6

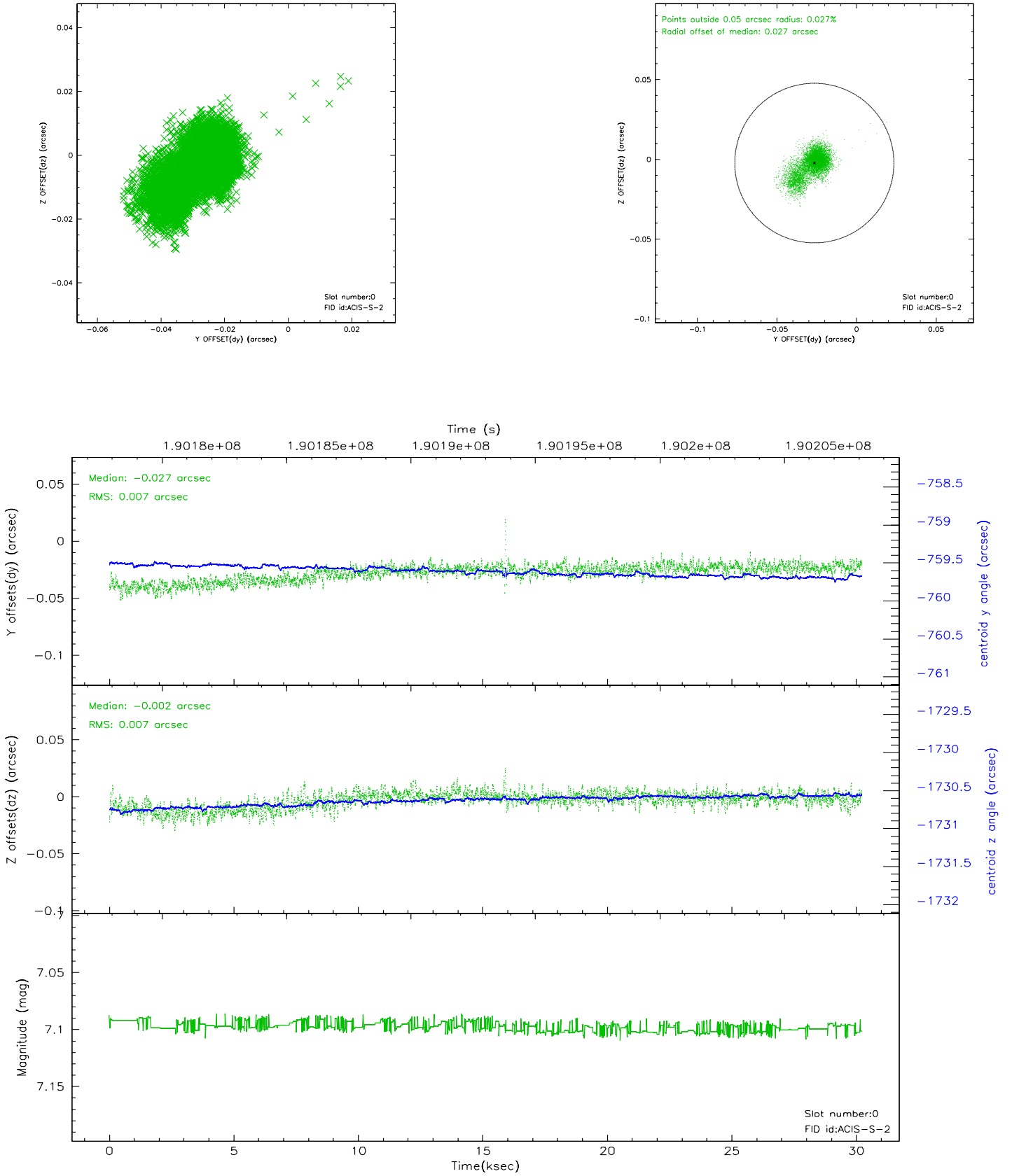


## 2.4.5 Slot 7

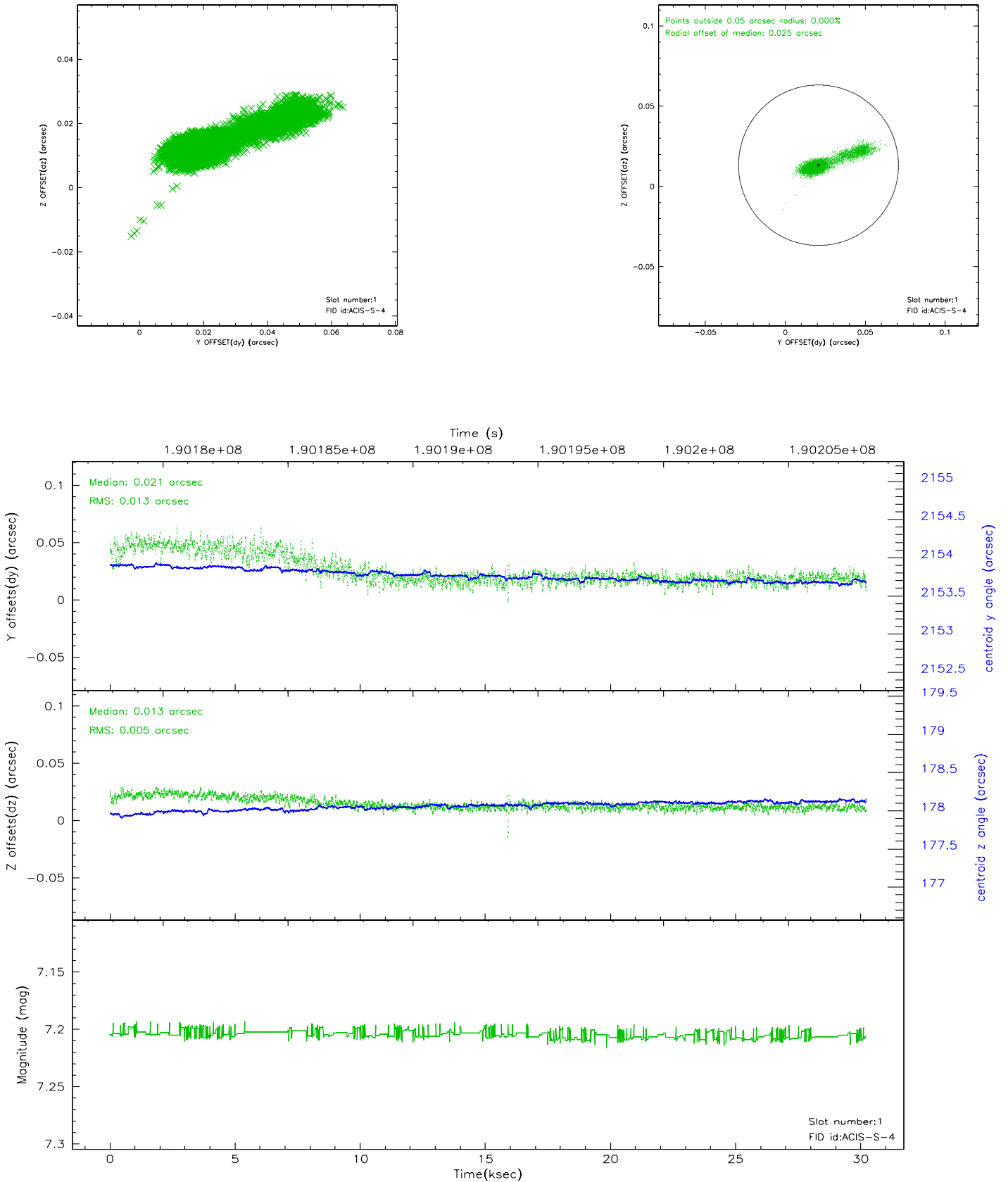


## 2.5 FID Slots

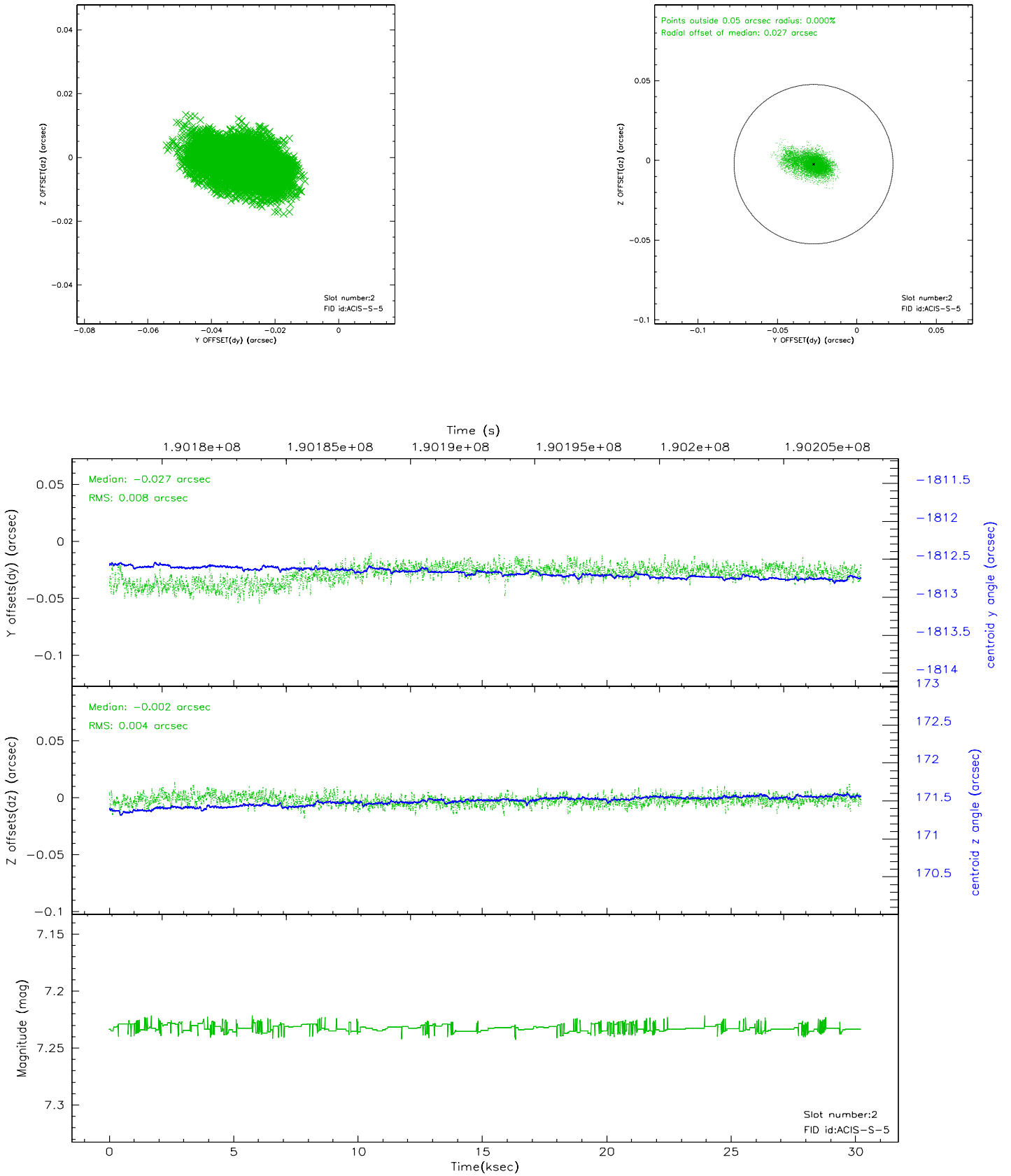
### 2.5.1 Slot 0



## 2.5.2 Slot 1

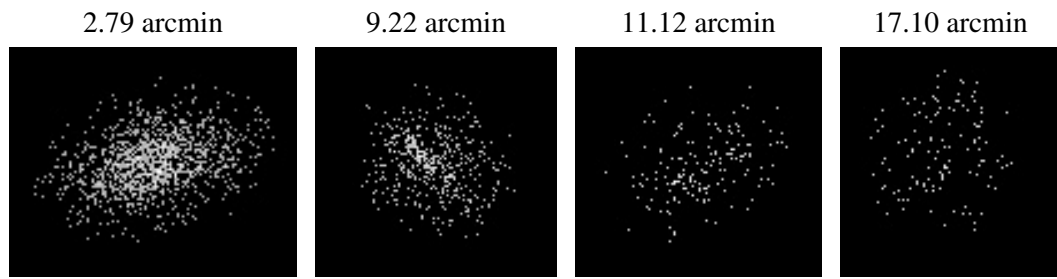


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.06.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.11

### A.2 Comments