

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4897 - L2 Version 001  
Chandra X-Ray Center

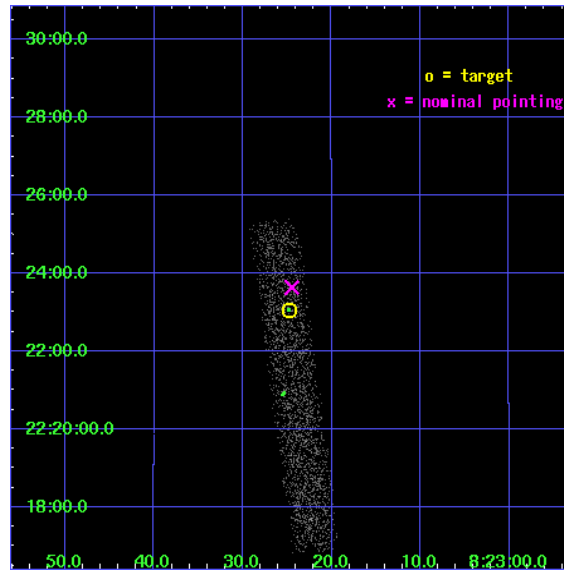
L2 Processing Date : Jun 22 2006

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# 1 Front

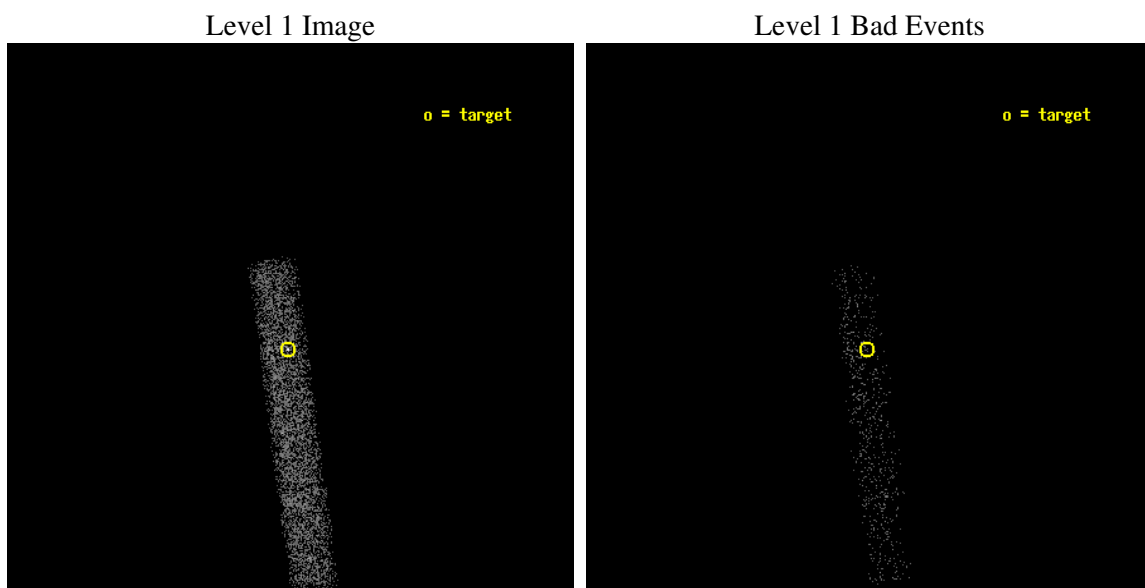
seq_num	700979
obs_id	4897
title	Continuing a Flux-limited Survey for X-ray Emission from Radio Jets
observer	Dr. Herman Marshall
object	0820+225
dtcycle	0
cycle	P
ra_targ	125.853333
dec_targ	22.38425
ra_nom	125.85203191086
dec_nom	22.393970914783
roll_nom	82.475143534571
revision	2
ontime	6193.6000922918
livetime	5617.2683586902
ontime7	6193.6000922918
l2events	3028



## 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	2006-06-22T12:59:31
revision	2

sched_exp_time	6000.000000
ontime	7703.5773748755
ontime7	7703.5773748755
l1events	8481

### 2.1.4 Events

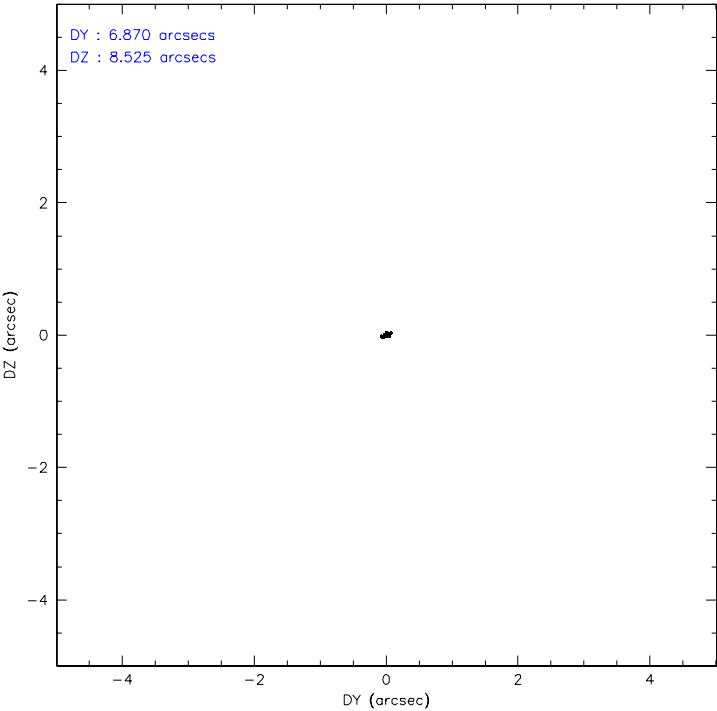
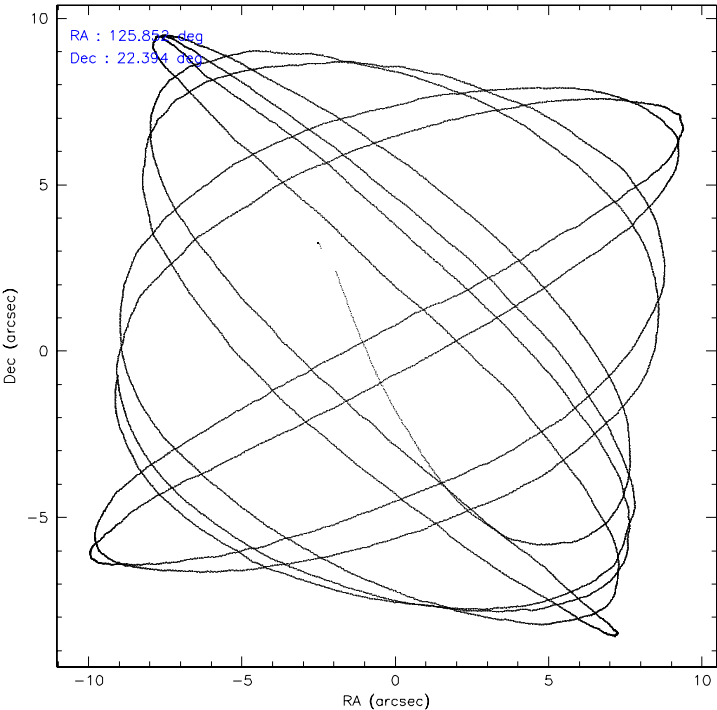
	<b>ccd 7</b>
level 1 events	8481
rejected events	5358
rejected %	63%

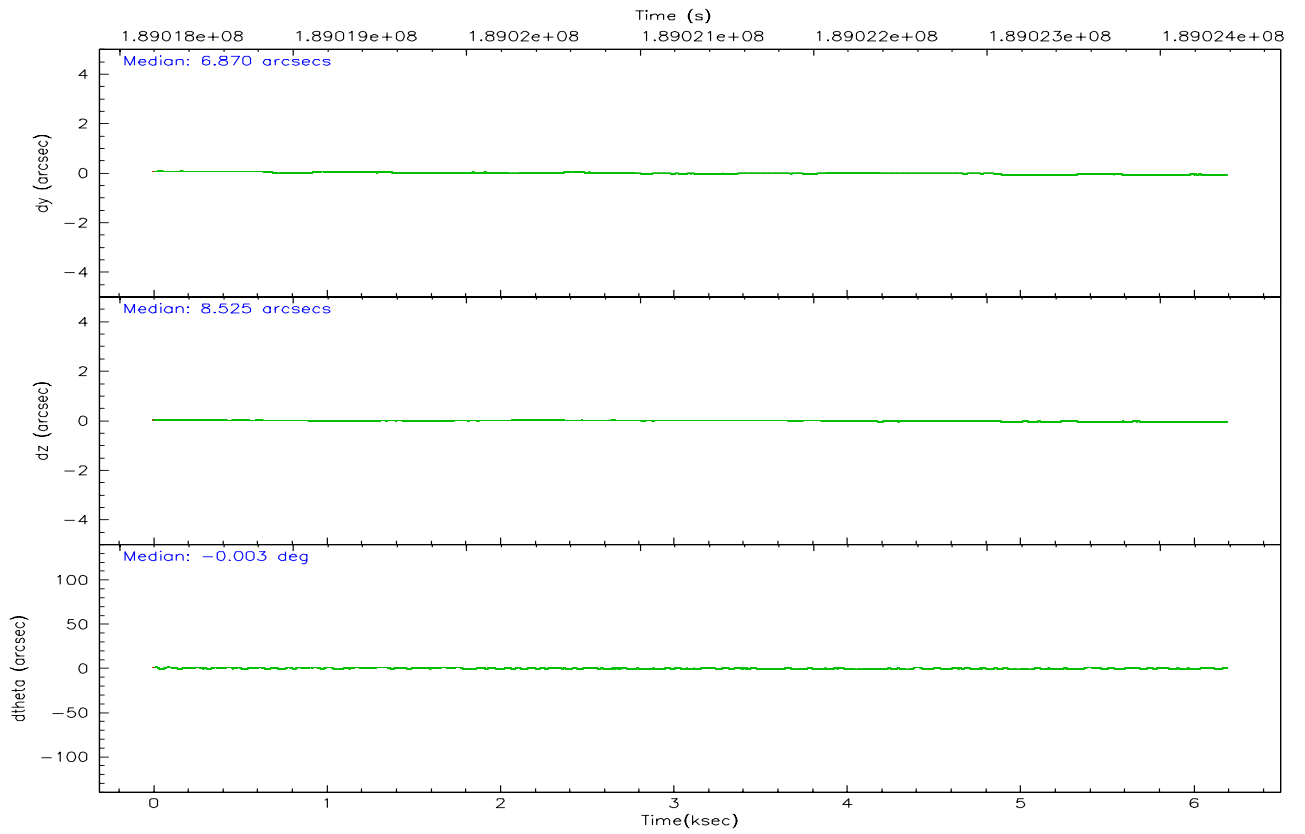
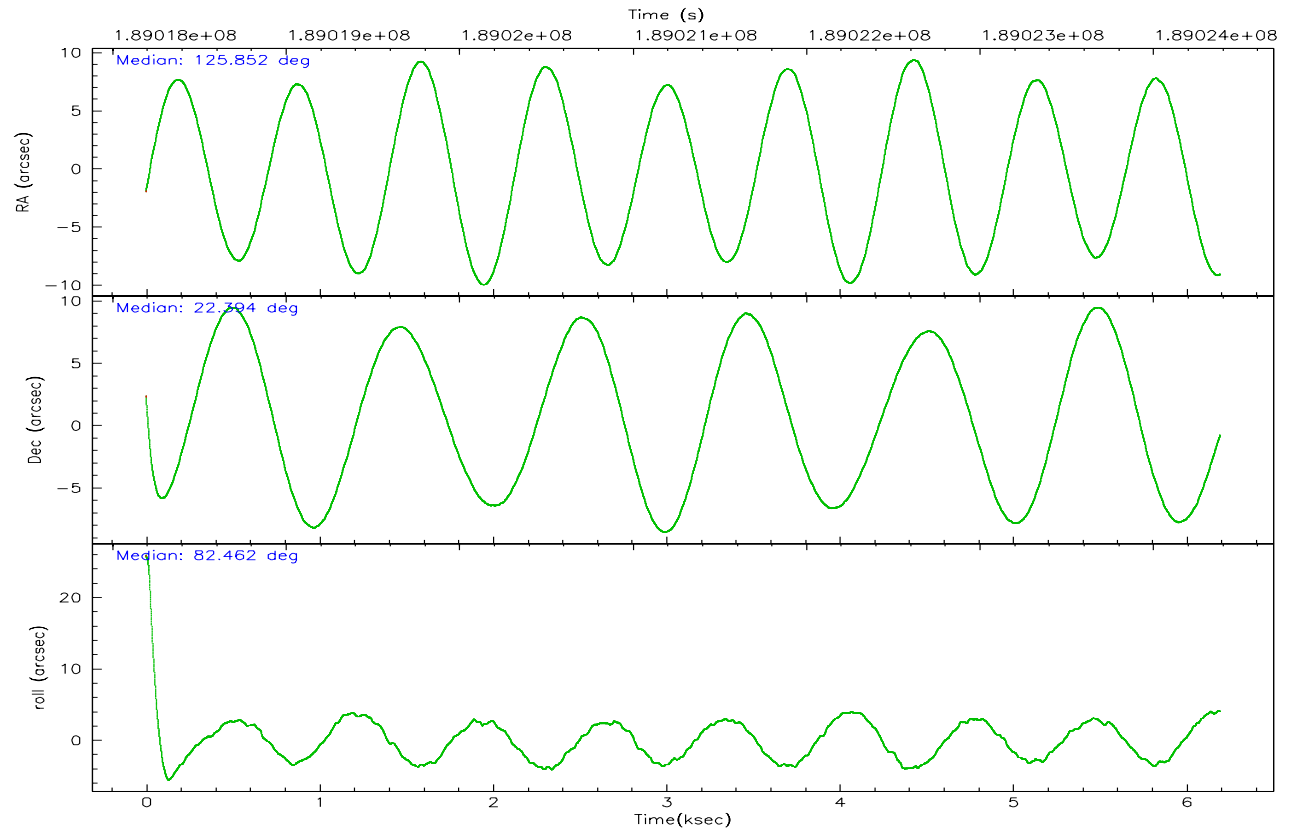
	<b>ccd 7</b>
grade 0 events	320
	3%
grade 1 events	10
	0%
grade 2 events	753
	8%
grade 3 events	431
	5%
grade 4 events	450
	5%
grade 5 events	660
	7%
grade 6 events	1835
	21%
grade 7 events	4022
	47%

## 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	125.863664	125.8520319108602	Subarray start row	1	1
Pointing Dec	22.369003	22.39397091478323	Subarray row count	128	128
Pointing Roll	82.314018	82.47514353457134	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)	-178.632523	-178.6370735452349			
SIM translation stage offset (mm)	-11.5	-11.49544903777291			
Observation start time	189018383.184000	189016679.88553			
Observation start date	2003-12-28T17:05:19	2003-12-28T16:37:59			
Observation end time	189024383.184000	189025044.91089			
Observation end date	2003-12-28T18:45:19	2003-12-28T18:57:24			
Read mode	TIMED	TIMED			

2.3 Aspect





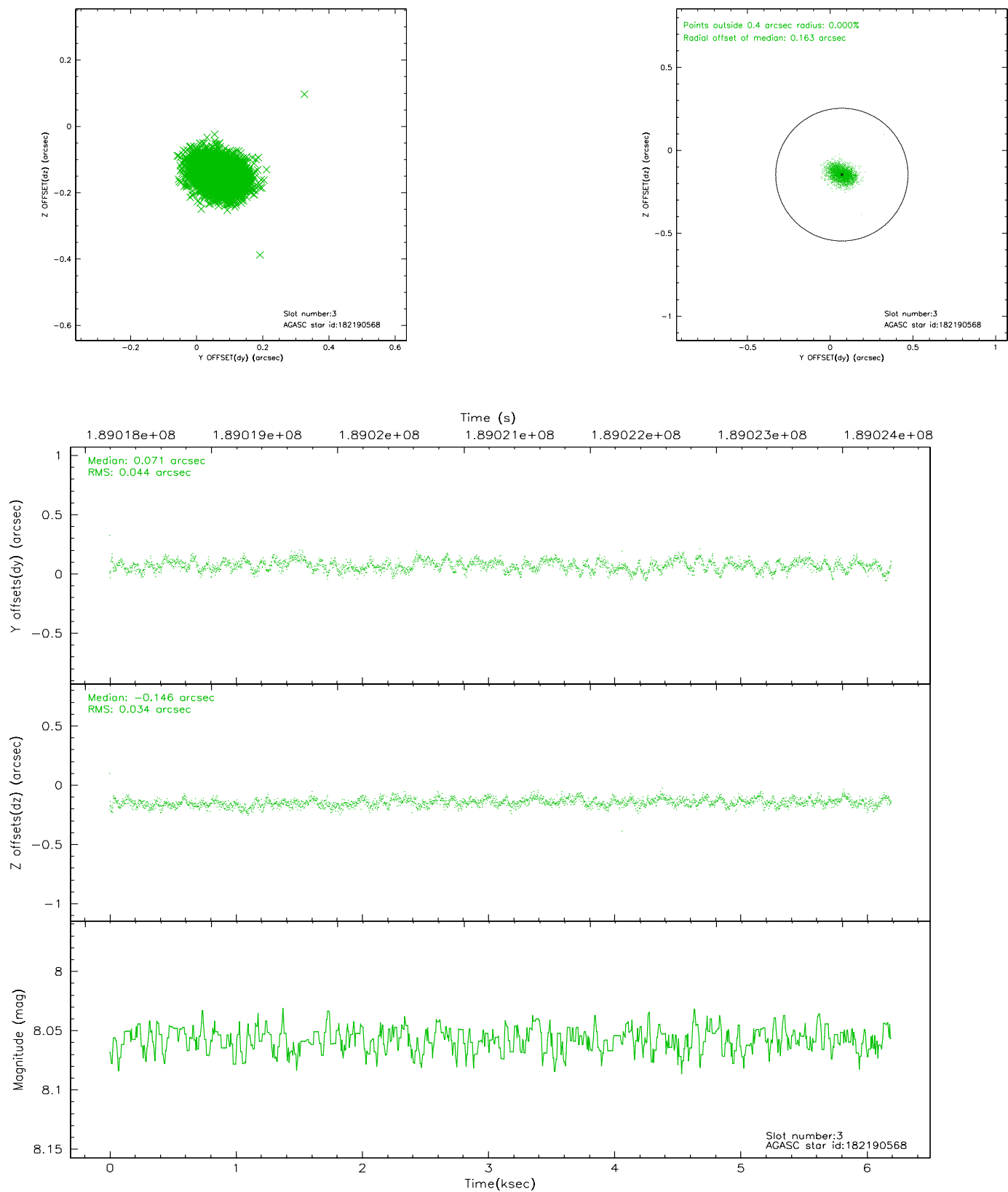
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1512	0.091	0.109	0.014	0.023	0.000000	0.000000	937.27	-1961.93
1	FID	ACIS-S-5	7.23	1512	-0.078	0.121	0.013	0.024	0.000000	0.000000	-1811.26	-65.38
2	FID	ACIS-S-6	7.43	1512	-0.037	-0.222	0.011	0.018	0.000000	0.000000	401.80	579.20
3	GUIDE	182190568	8.06	3023	0.071	-0.146	0.060	0.093	125.270475	22.031708	-1464.50	1799.93
4	GUIDE	182191512	8.17	3022	0.060	0.153	0.059	0.094	125.905406	21.821214	-1935.79	-401.24
5	GUIDE	182204184	7.18	3023	-0.115	-0.108	0.054	0.089	125.367252	21.909332	-1859.91	1422.01
6	GUIDE	182324672	8.44	3023	-0.075	0.004	0.064	0.101	126.330833	22.353388	154.57	-1547.69
7	GUIDE	182333928	9.11	3020	0.062	0.096	0.078	0.123	126.301170	21.825946	-1739.25	-1710.43

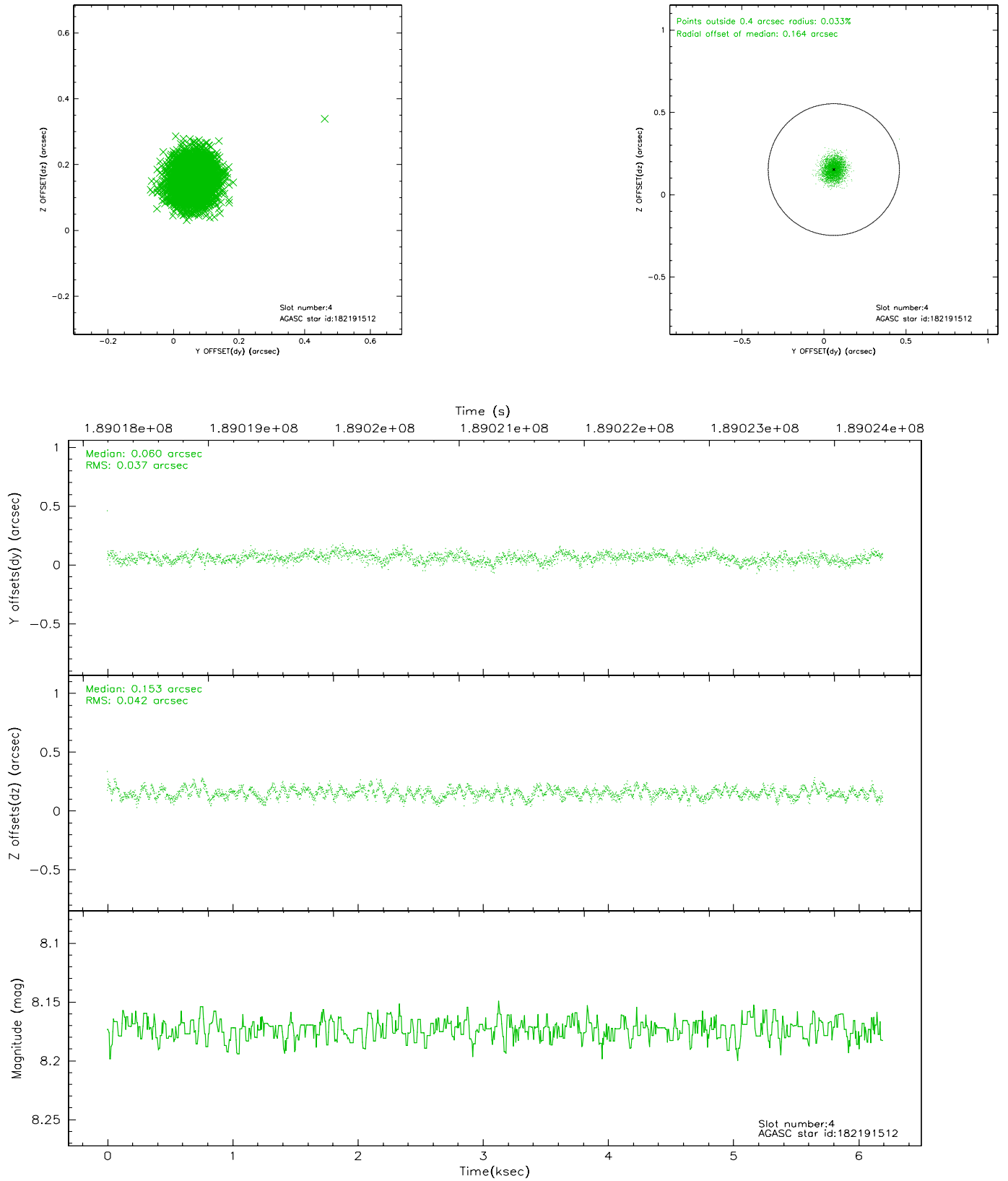


## 2.4 Star Slots

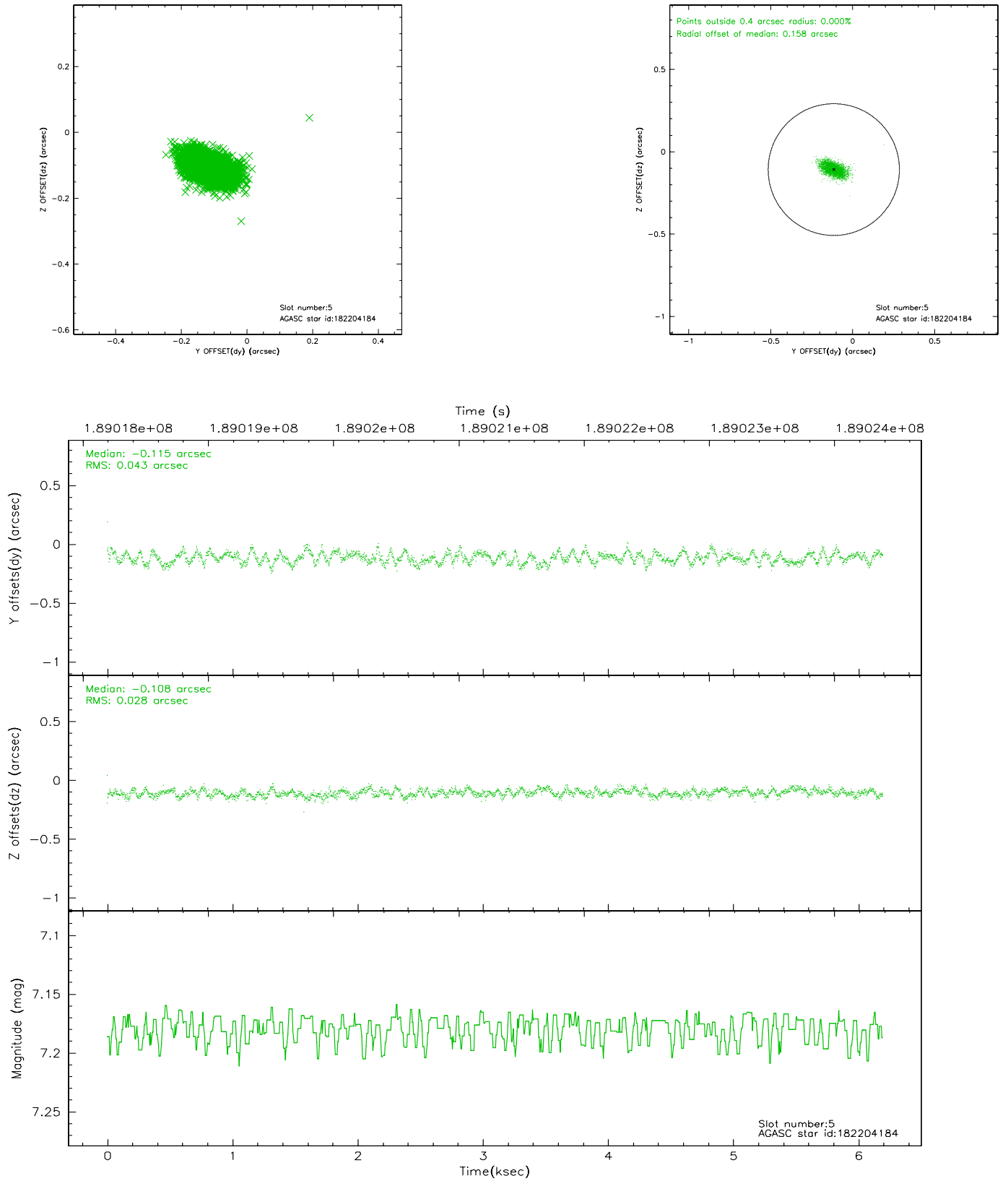
### 2.4.1 Slot 3



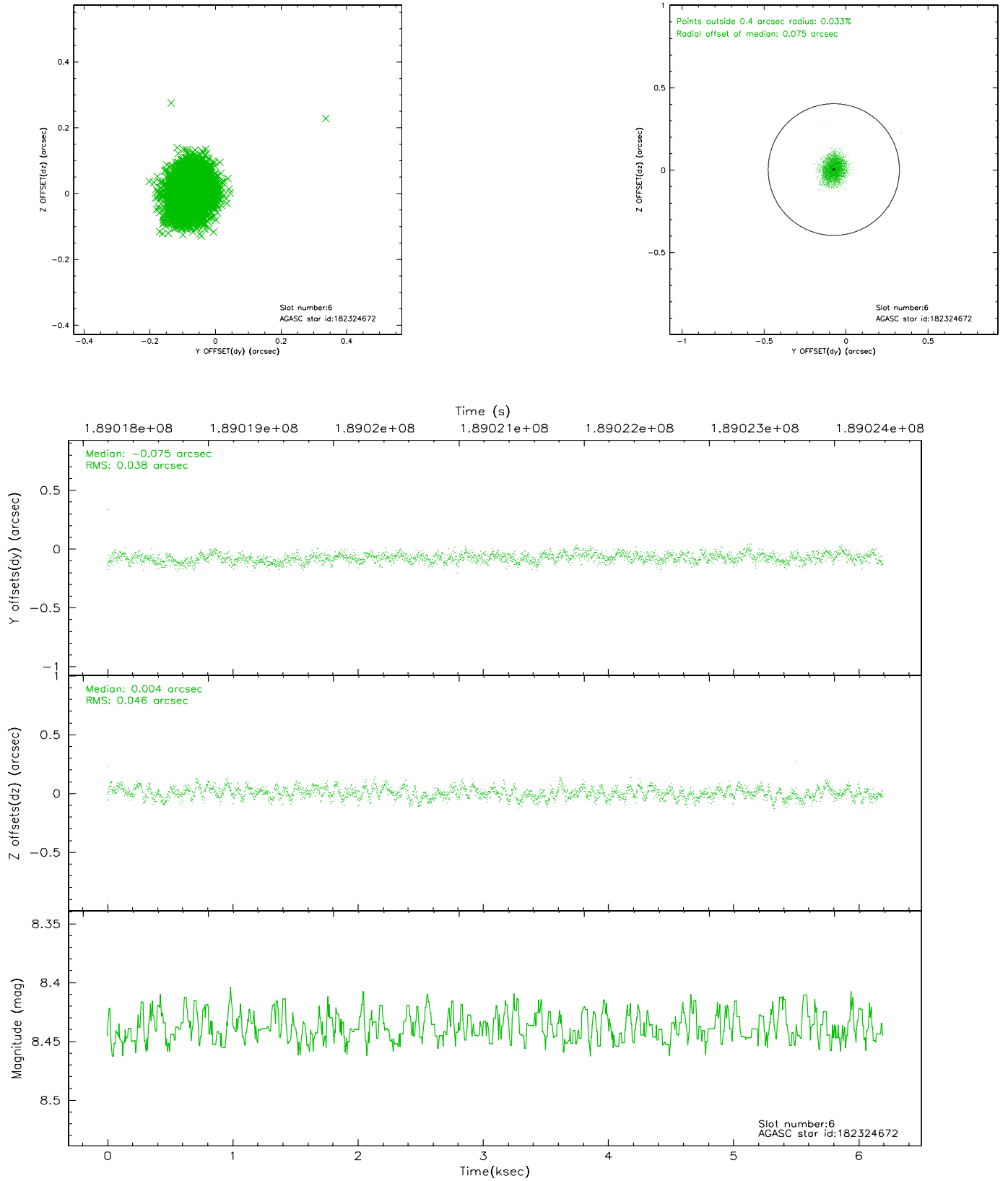
## 2.4.2 Slot 4



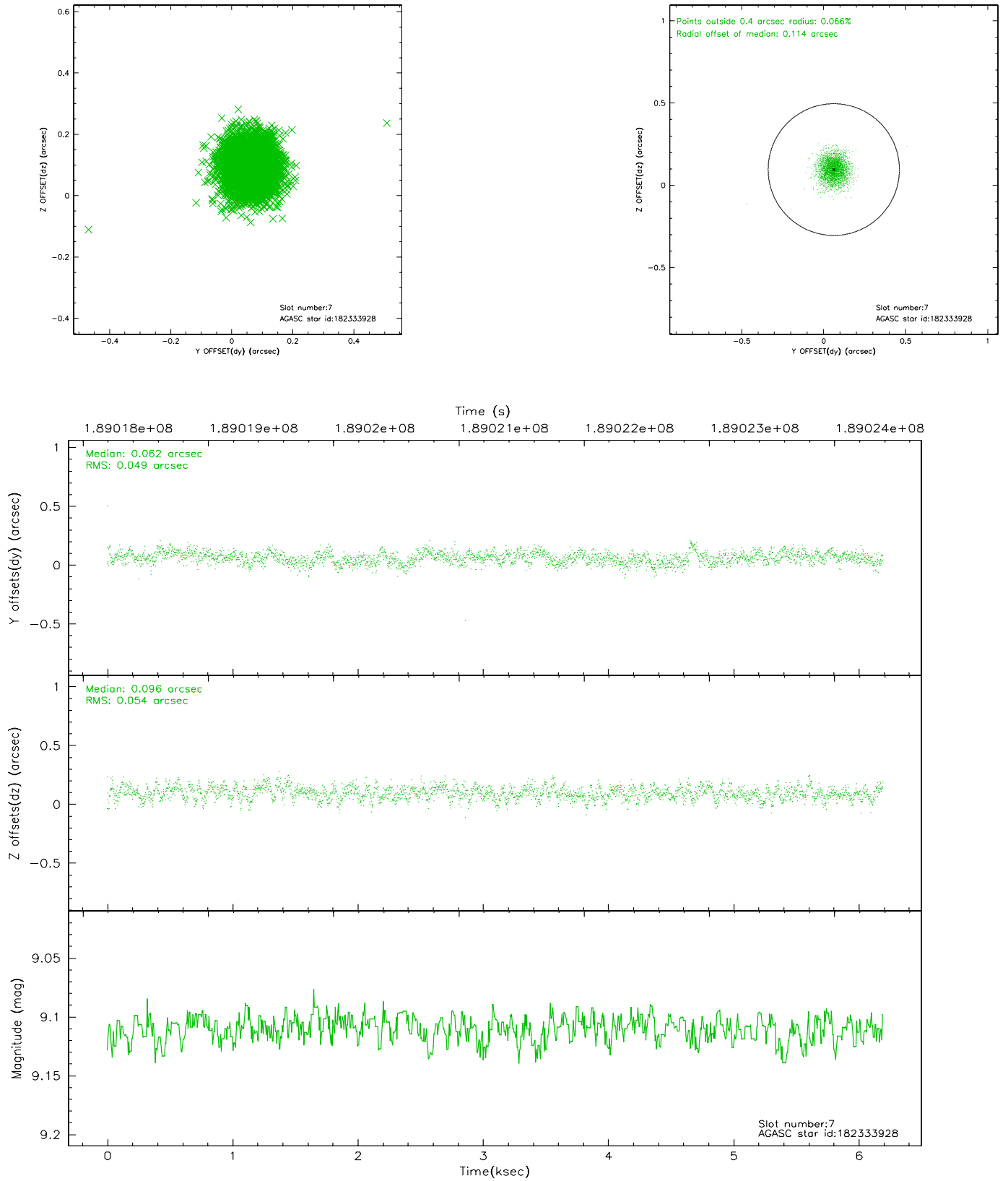
### 2.4.3 Slot 5



## 2.4.4 Slot 6

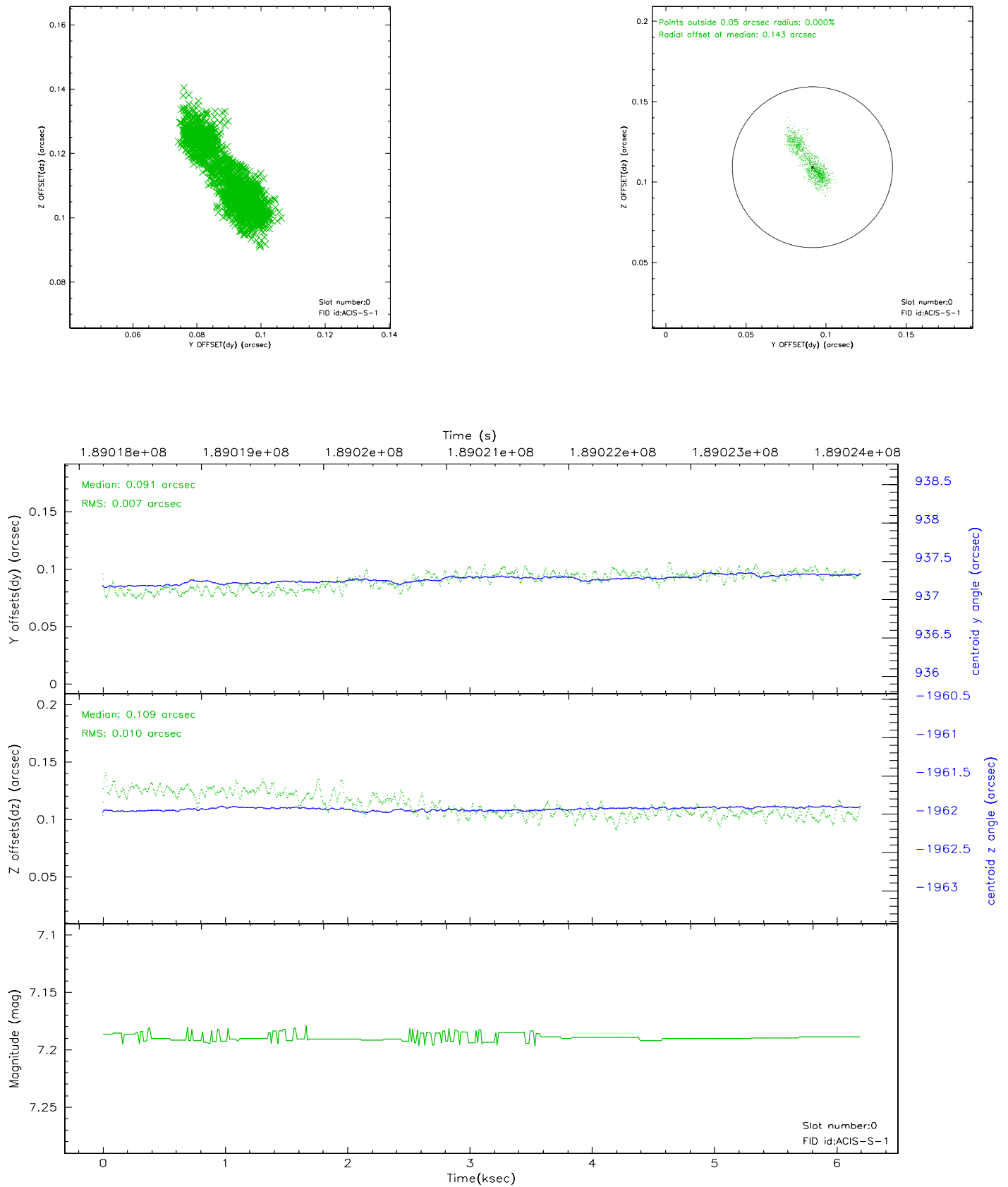


## 2.4.5 Slot 7

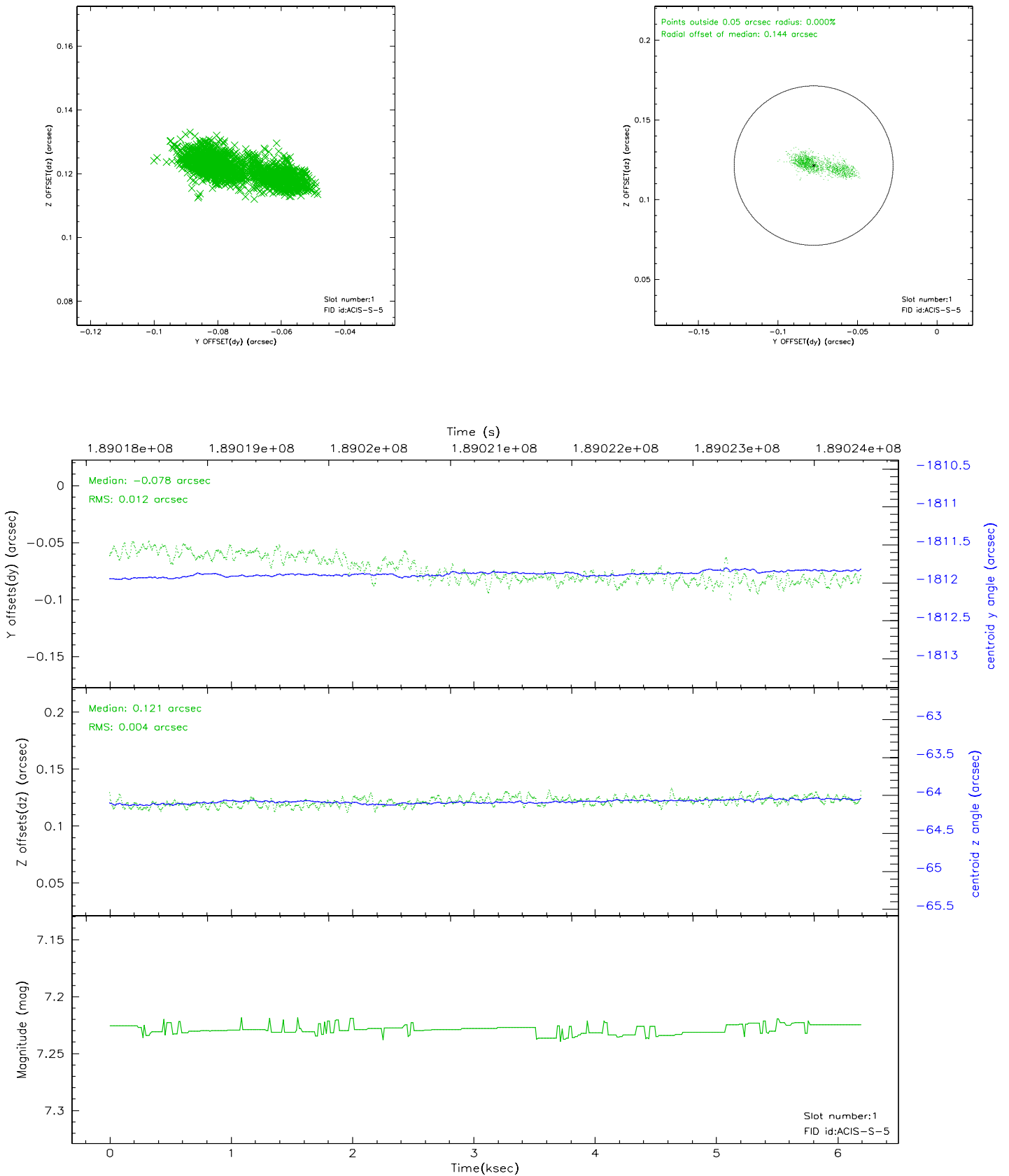


## 2.5 FID Slots

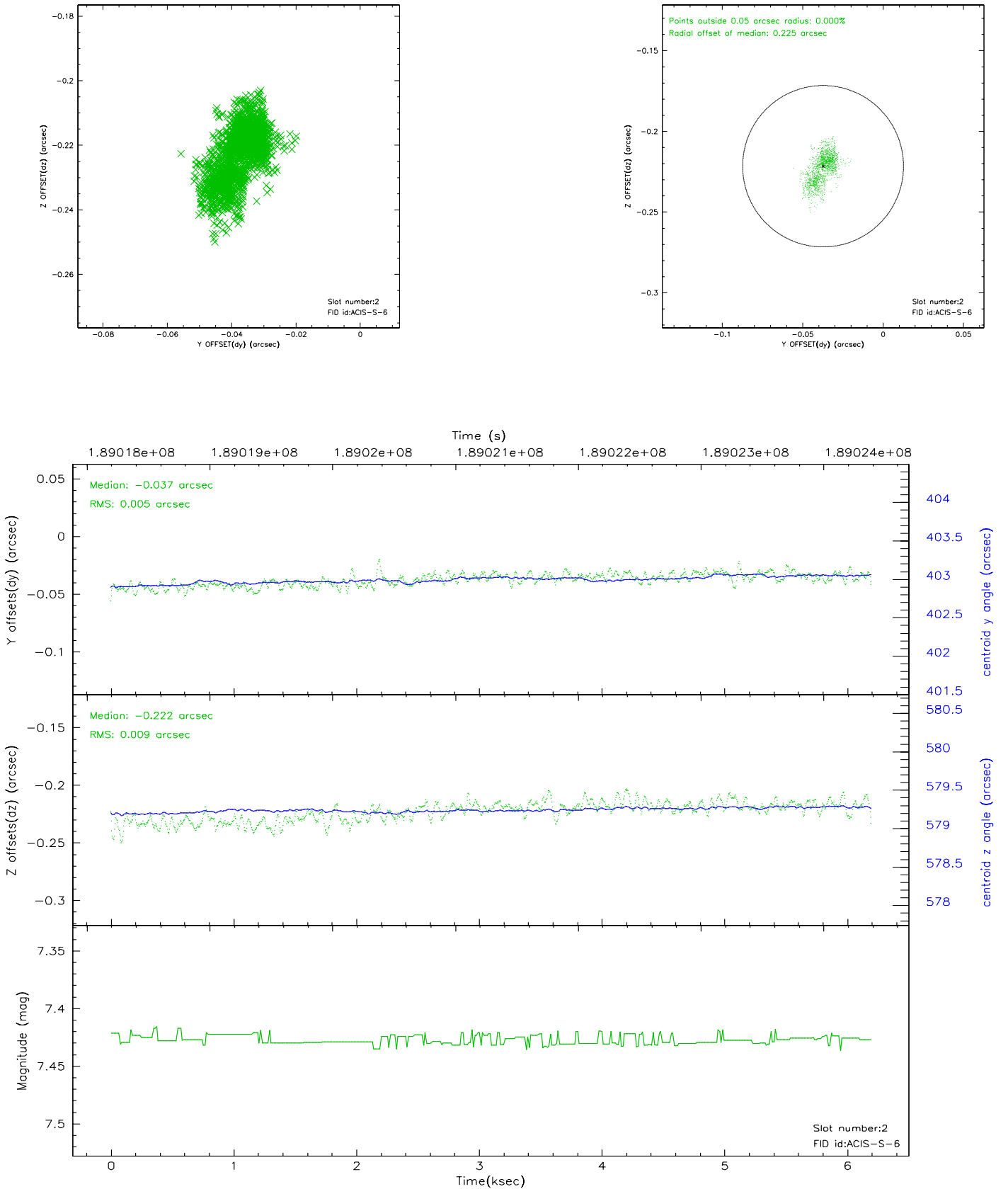
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





### 3 Point Sources

2.73 arcmin



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.06.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.193

## A.2 Comments

On day 356 at about 00:30, the OBA heater stuck in the 'on' position. This situation affected obsid 4901 and all subsequent observations to this point. The result of this anomaly could be a displacement of the target on the chip in the z direction. The displacement will be small because everything is still within spec, but the target may be spatially displaced, have a different point spread function, or trail across the chip.