

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4620 - L2 Version 001  
Chandra X-Ray Center

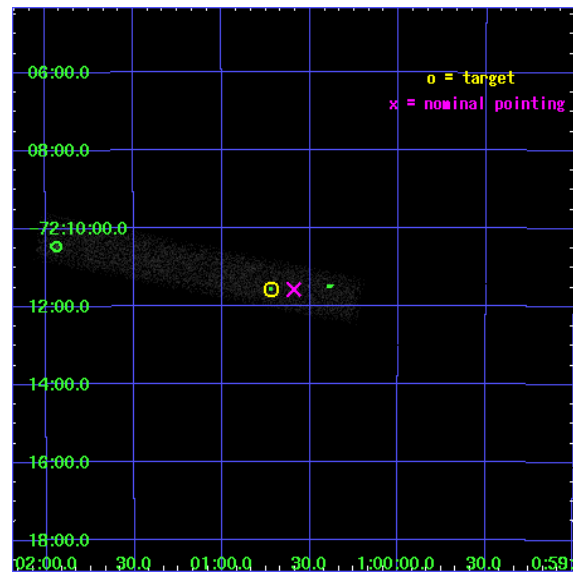
L2 Processing Date : May 27 2006

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# 1 Front

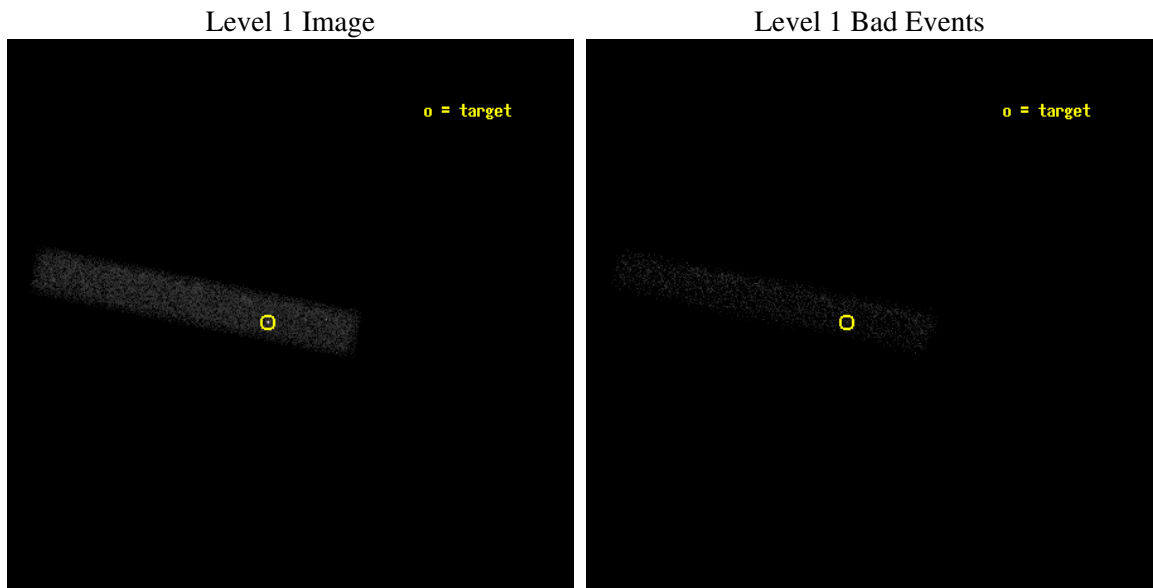
seq_num	500445
obs_id	4620
title	PRECISION TIMING OF A POSSIBLE NEW ANOMALOUS X-RAY PULSAR
observer	Prof. Bryan Gaensler
object	CXOU J010043.1-721134
dtcycle	0
cycle	P
ra_targ	15.179583
dec_targ	-72.192722
ra_nom	15.147962283448
dec_nom	-72.192920378396
roll_nom	191.29125934782
revision	2
ontime	16780.400250047
livetime	15218.937284643
ontime7	16780.400250047
l2events	9983



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-05-27T02:55:15
revision	2

sched_exp_time	16340.000000
ontime	17200.352465749
ontime7	17200.352465749
l1events	22395

### 2.1.4 Events

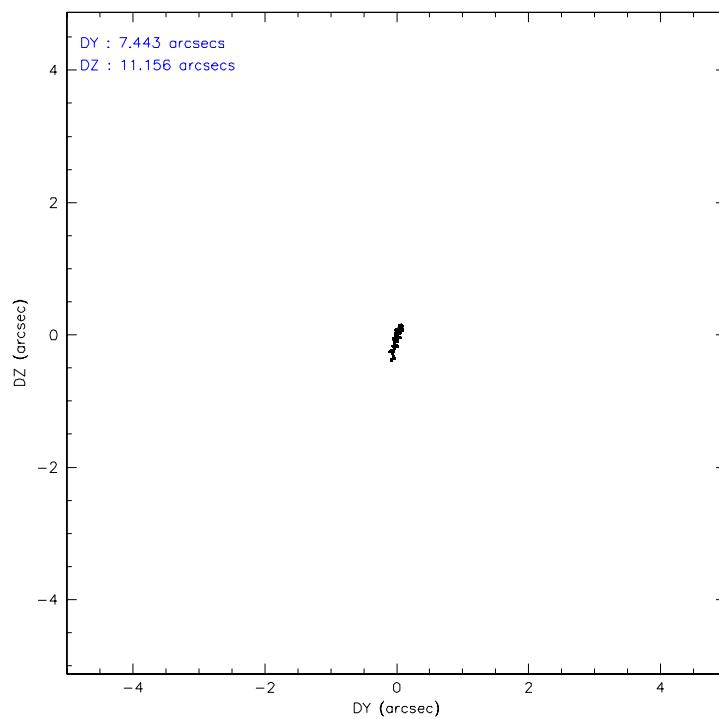
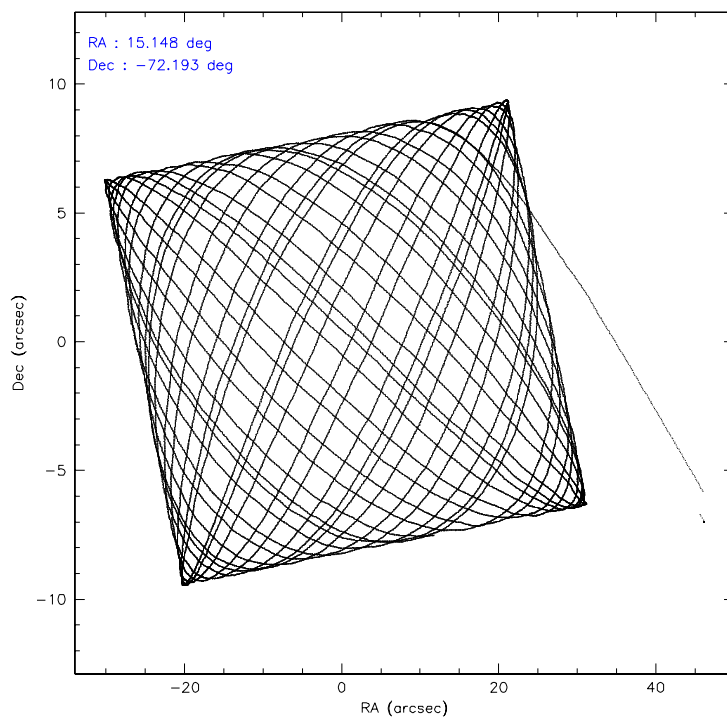
	<b>ccd 7</b>
level 1 events	22395
rejected events	12010
rejected %	53%

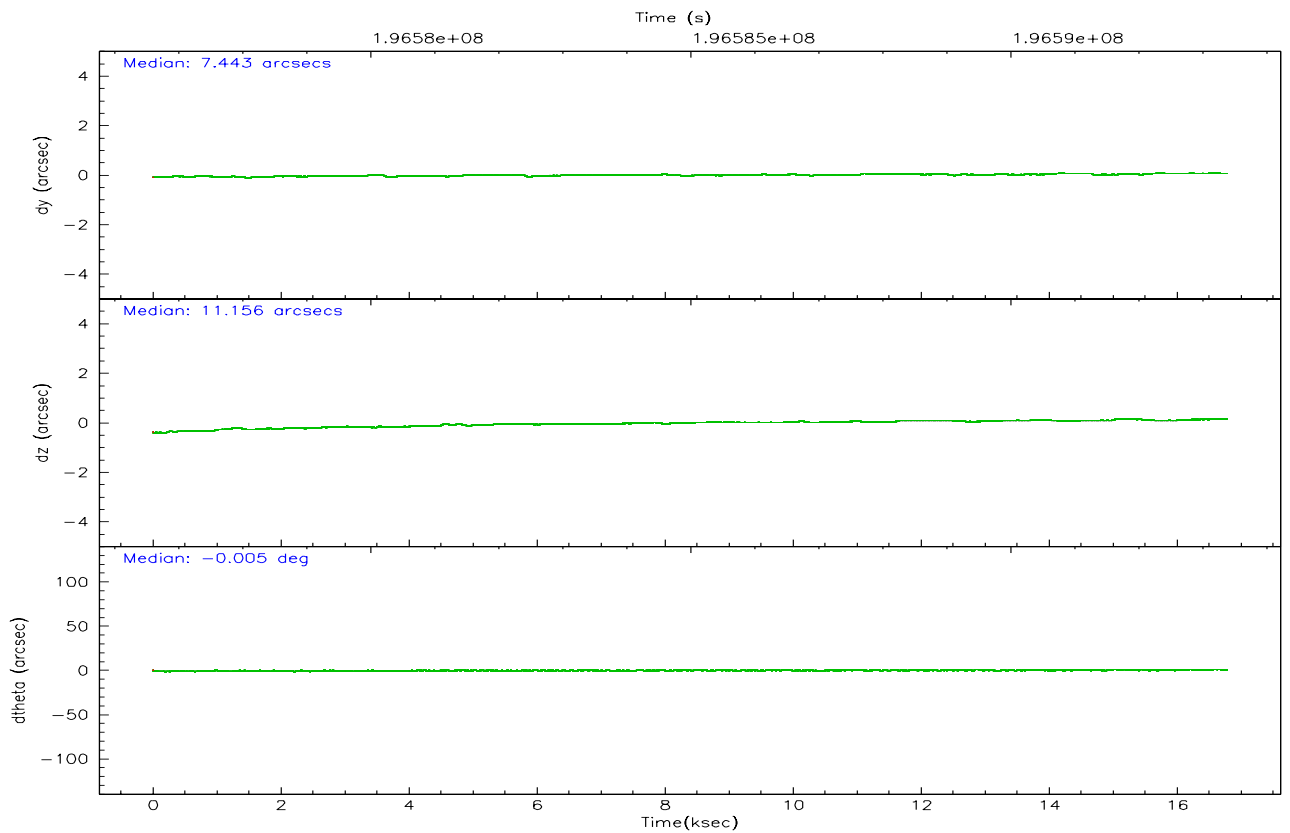
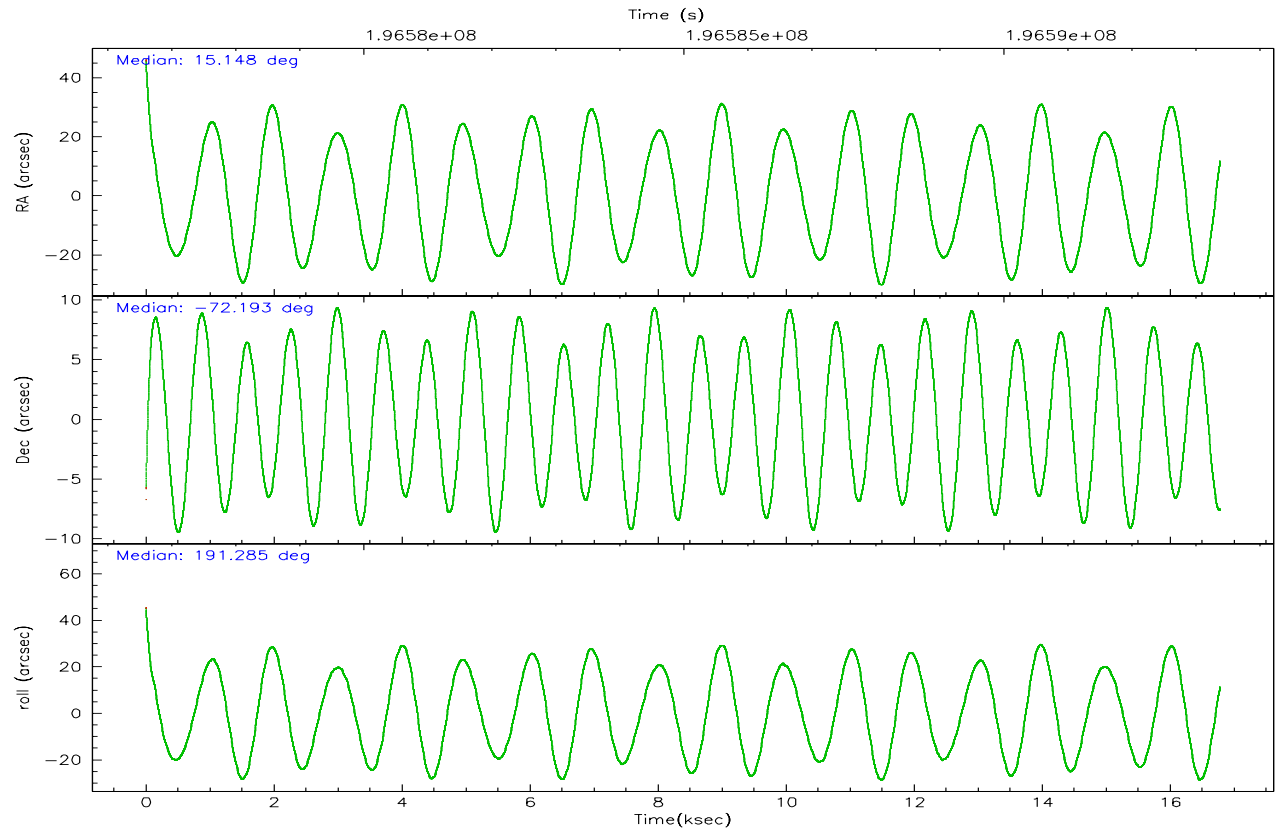
	<b>ccd 7</b>
grade 0 events	1145
	5%
grade 1 events	16
	0%
grade 2 events	2540
	11%
grade 3 events	1185
	5%
grade 4 events	1027
	4%
grade 5 events	1490
	6%
grade 6 events	4706
	21%
grade 7 events	10286
	45%

## 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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	1/8	1/8
Pointing RA	15.213993	15.14796228344824	Subarray start row	0	449
Pointing Dec	-72.174694	-72.19292037839621	Subarray row count	1024	128
Pointing Roll	191.197498	191.2912593478195	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)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	196577033.184000	196575945.54101			
Observation start date	2004-03-25T04:42:49	2004-03-25T04:25:45			
Observation end time	196593373.184000	196594148.00431			
Observation end date	2004-03-25T09:15:09	2004-03-25T09:29:08			
Read mode	TIMED	TIMED			

## 2.3 Aspect





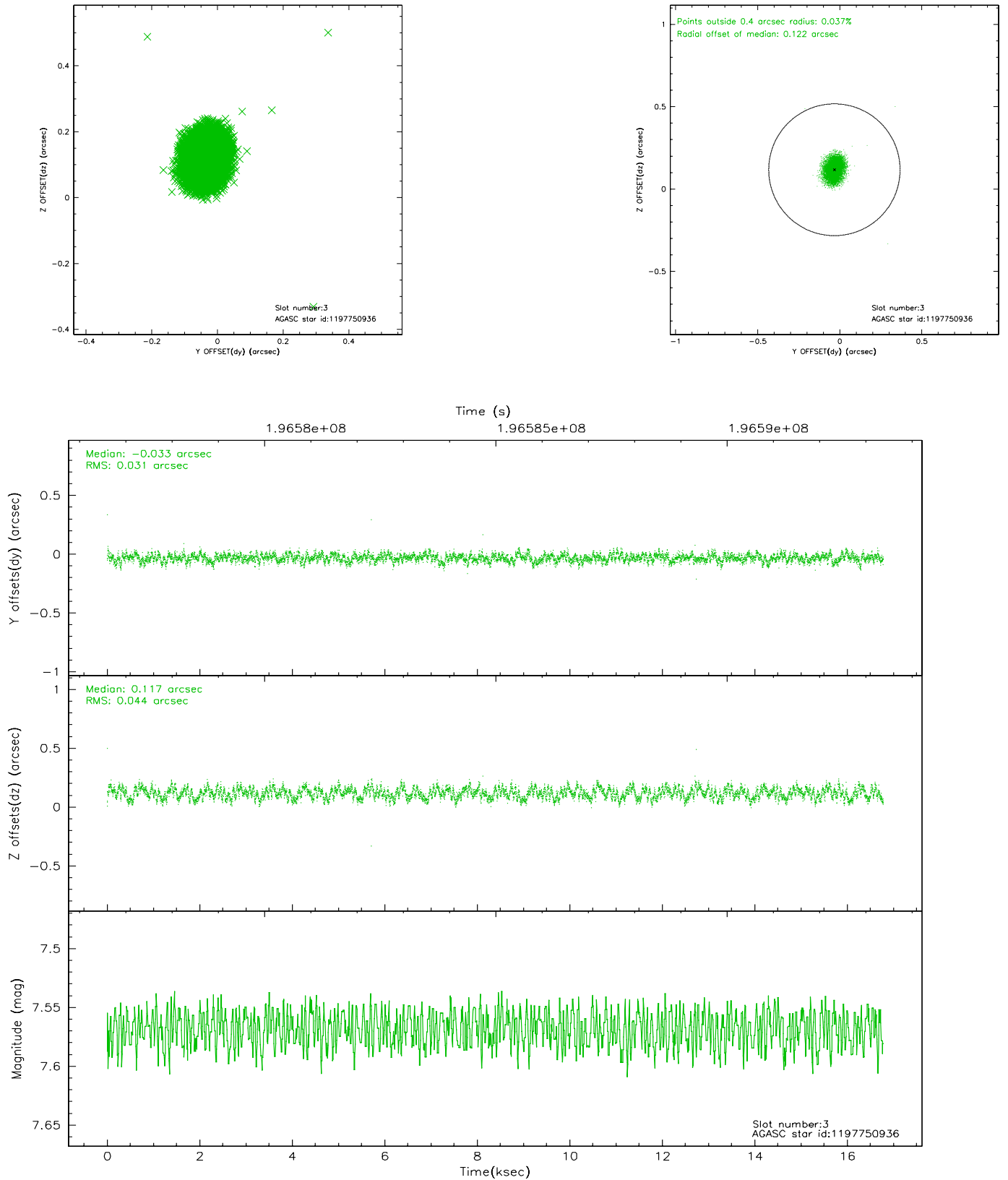
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	4094	-0.021	0.018	0.008	0.013	0.000000	0.000000	-760.20	-1732.34
1	FID	ACIS-S-4	7.20	4093	0.020	0.006	0.006	0.010	0.000000	0.000000	2152.97	175.91
2	FID	ACIS-S-5	7.23	4094	-0.030	-0.014	0.007	0.012	0.000000	0.000000	-1812.76	169.80
3	GUIDE	1197750936	7.57	8186	-0.033	0.117	0.058	0.089	15.387940	-71.549550	-630.99	-2168.19
4	GUIDE	1197884712	8.30	8186	0.053	-0.083	0.055	0.090	16.087398	-72.252690	-884.15	468.46
5	GUIDE	1197885328	7.23	8187	0.021	0.078	0.061	0.096	16.283090	-71.733943	-1489.55	-1311.42
6	GUIDE	1198189696	7.35	8187	-0.144	-0.153	0.055	0.086	15.223750	-72.697522	354.87	1848.67
7	GUIDE	1197884536	8.50	8185	0.105	0.046	0.060	0.094	17.160729	-71.835289	-2372.84	-739.30

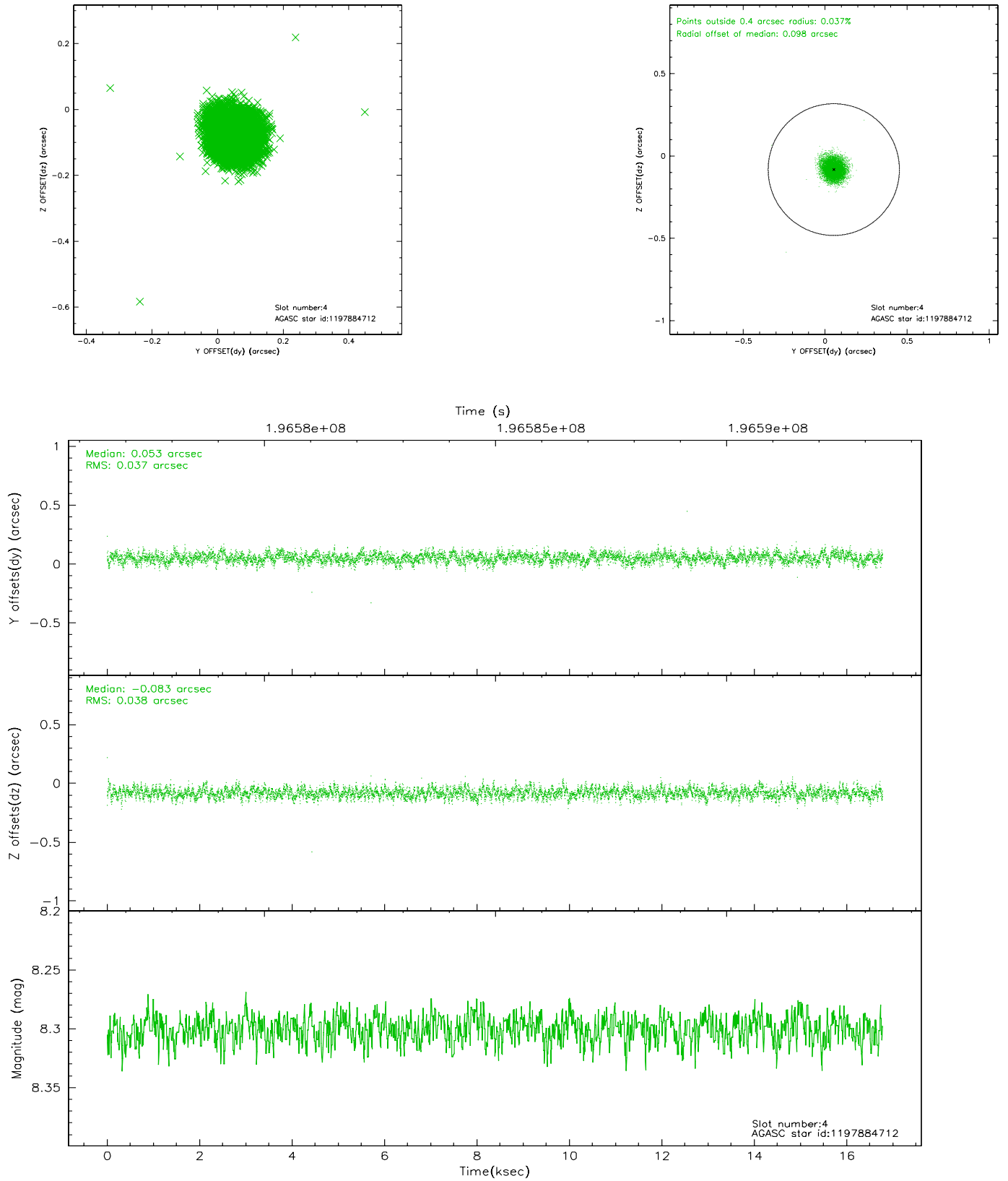


## 2.4 Star Slots

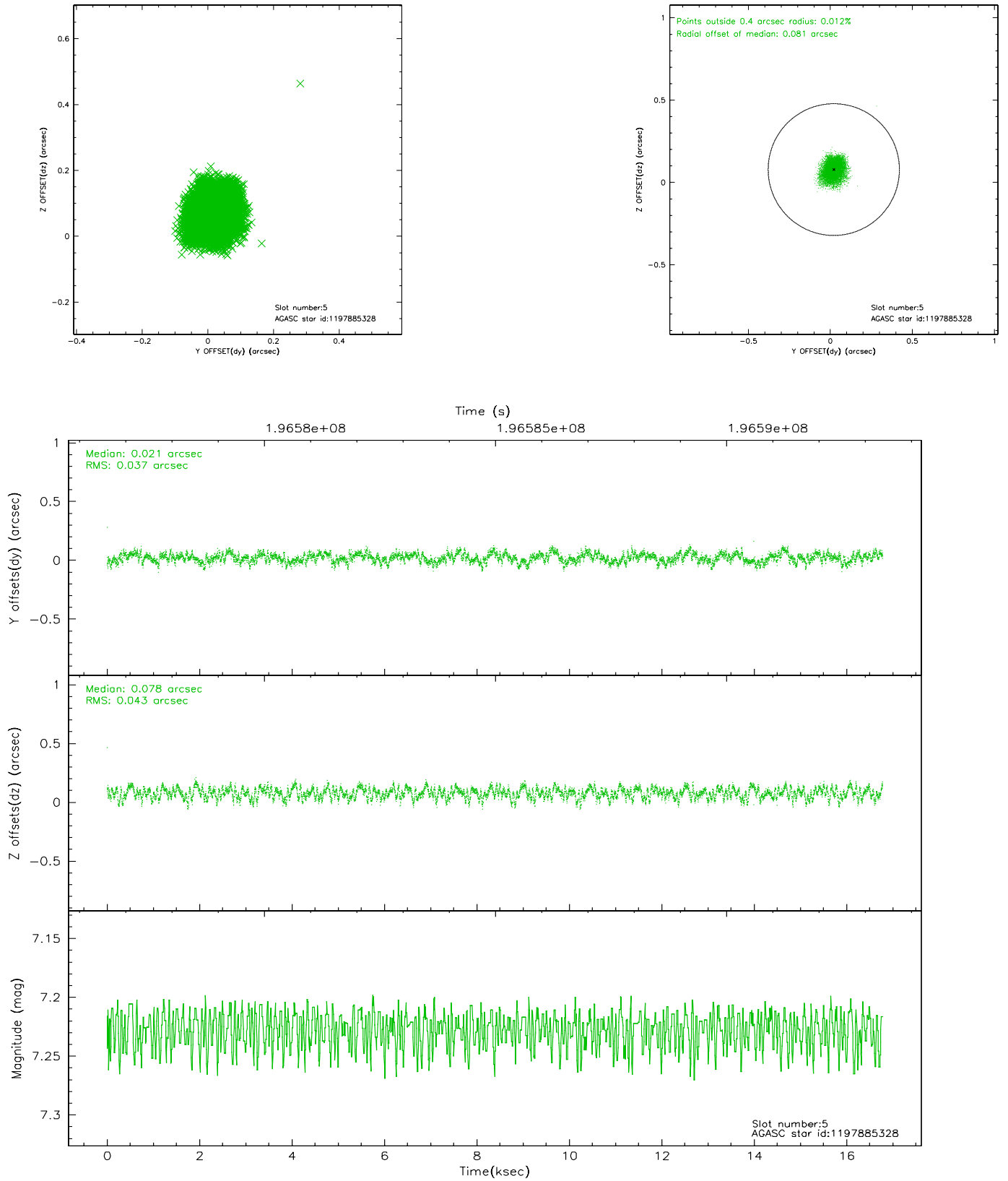
### 2.4.1 Slot 3



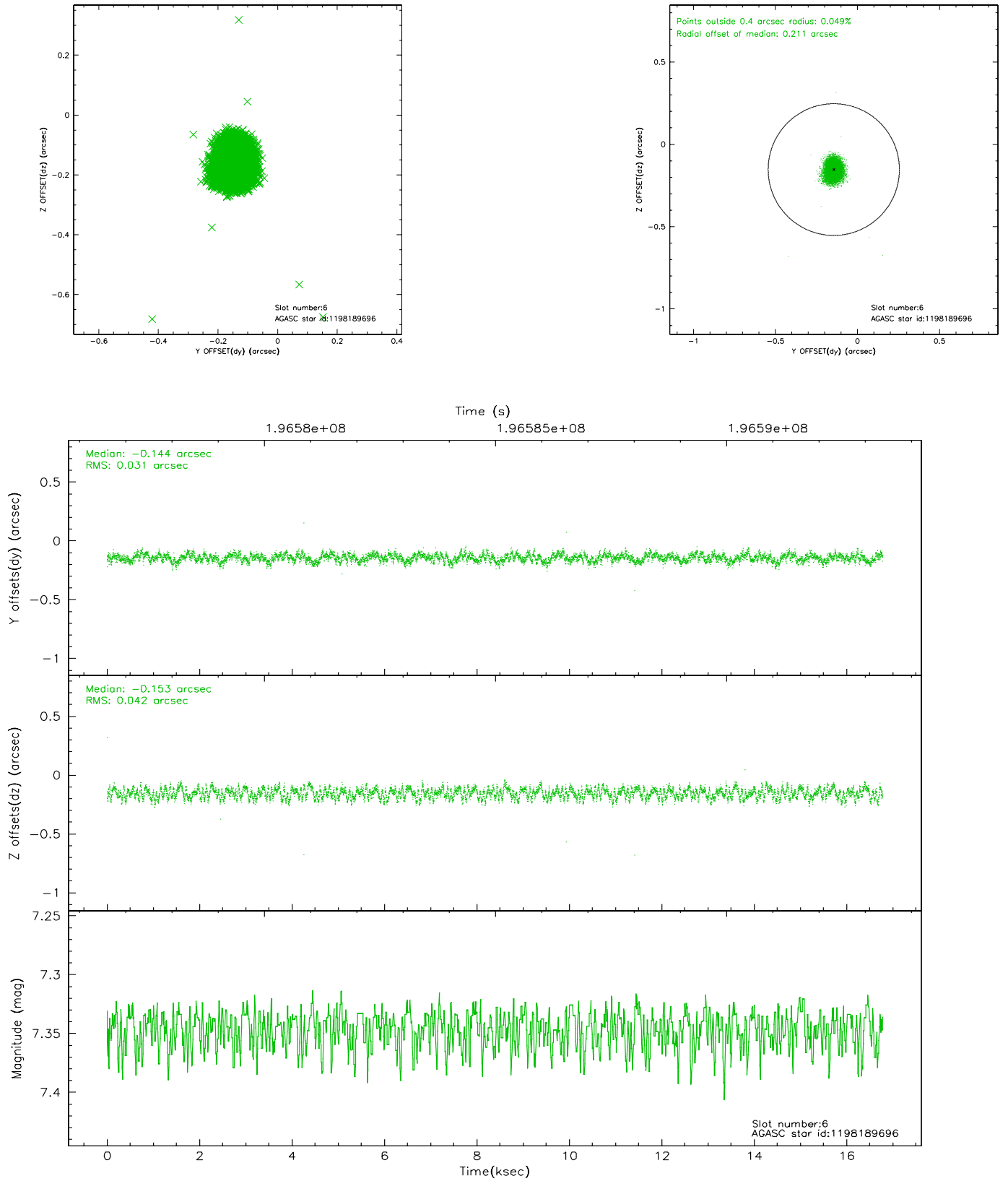
## 2.4.2 Slot 4



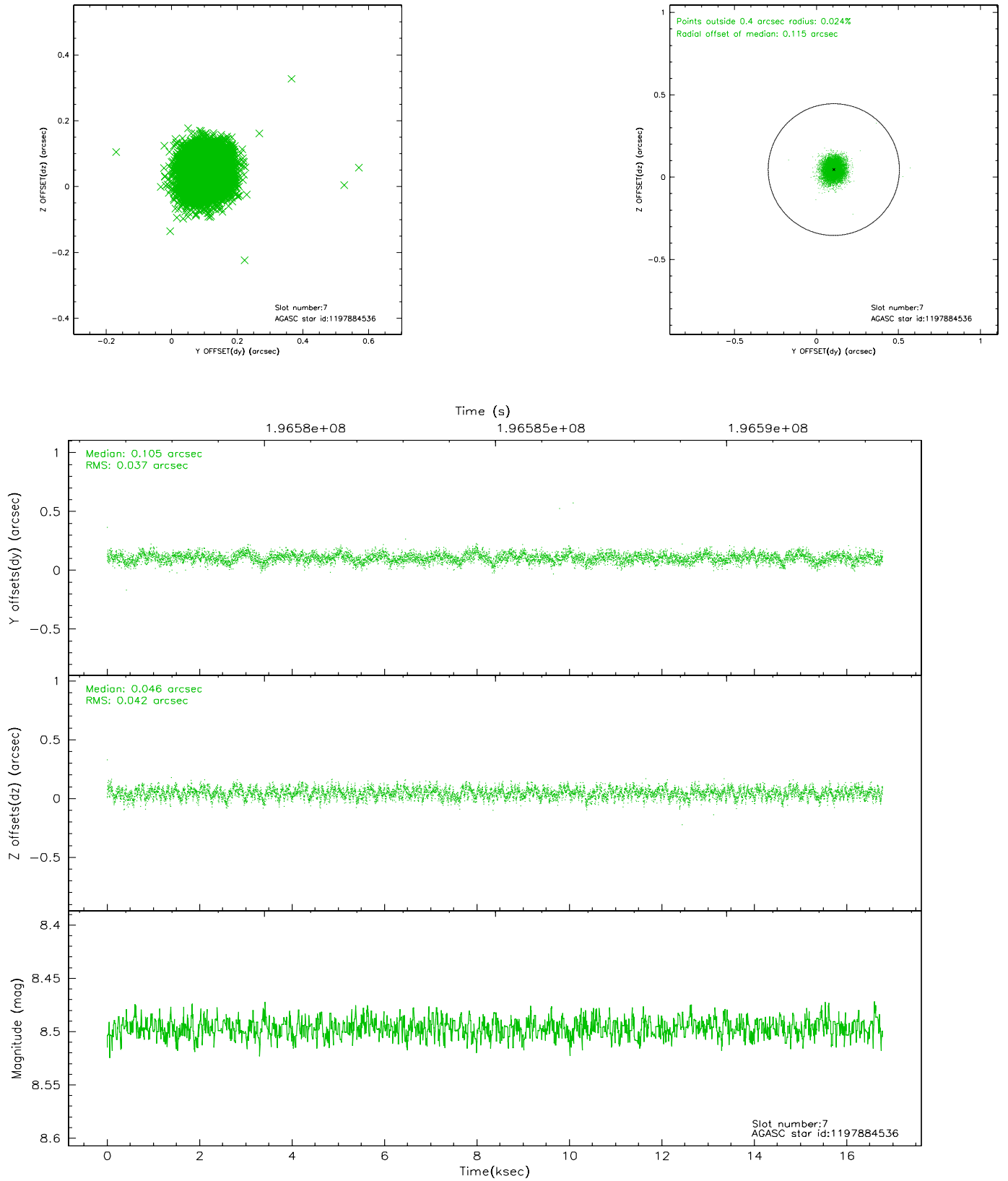
### 2.4.3 Slot 5



## 2.4.4 Slot 6

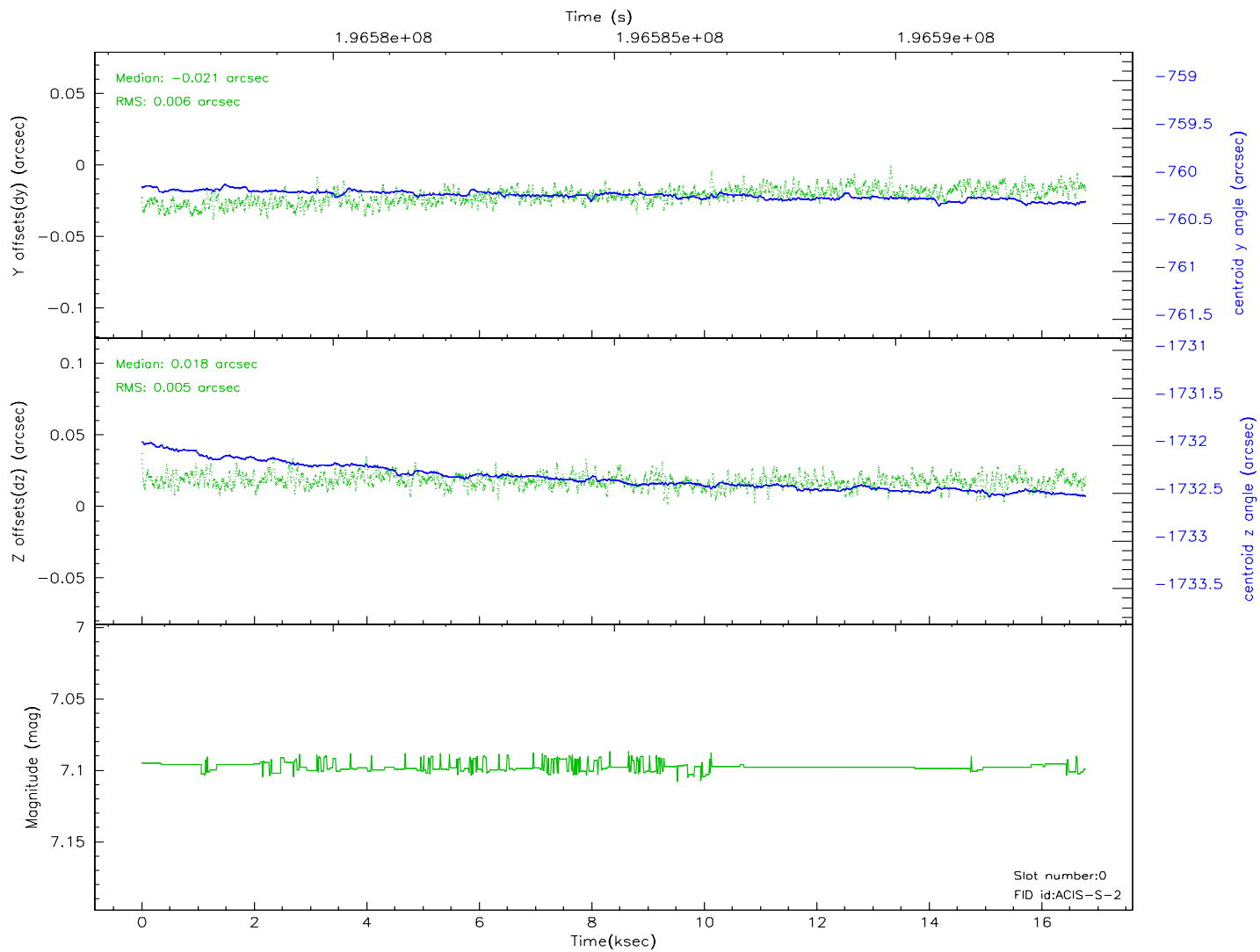
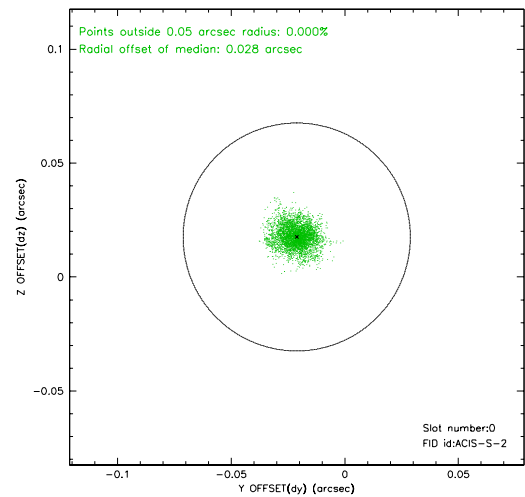
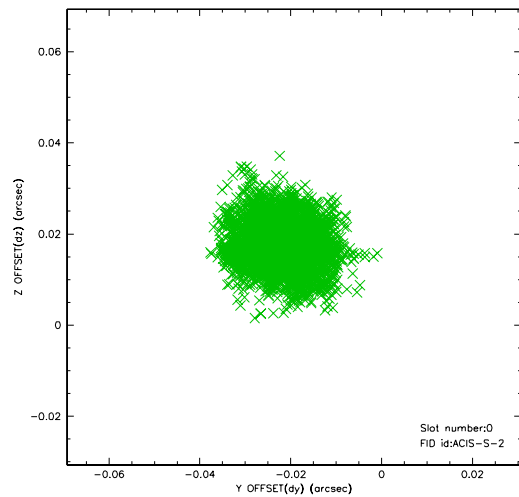


## 2.4.5 Slot 7

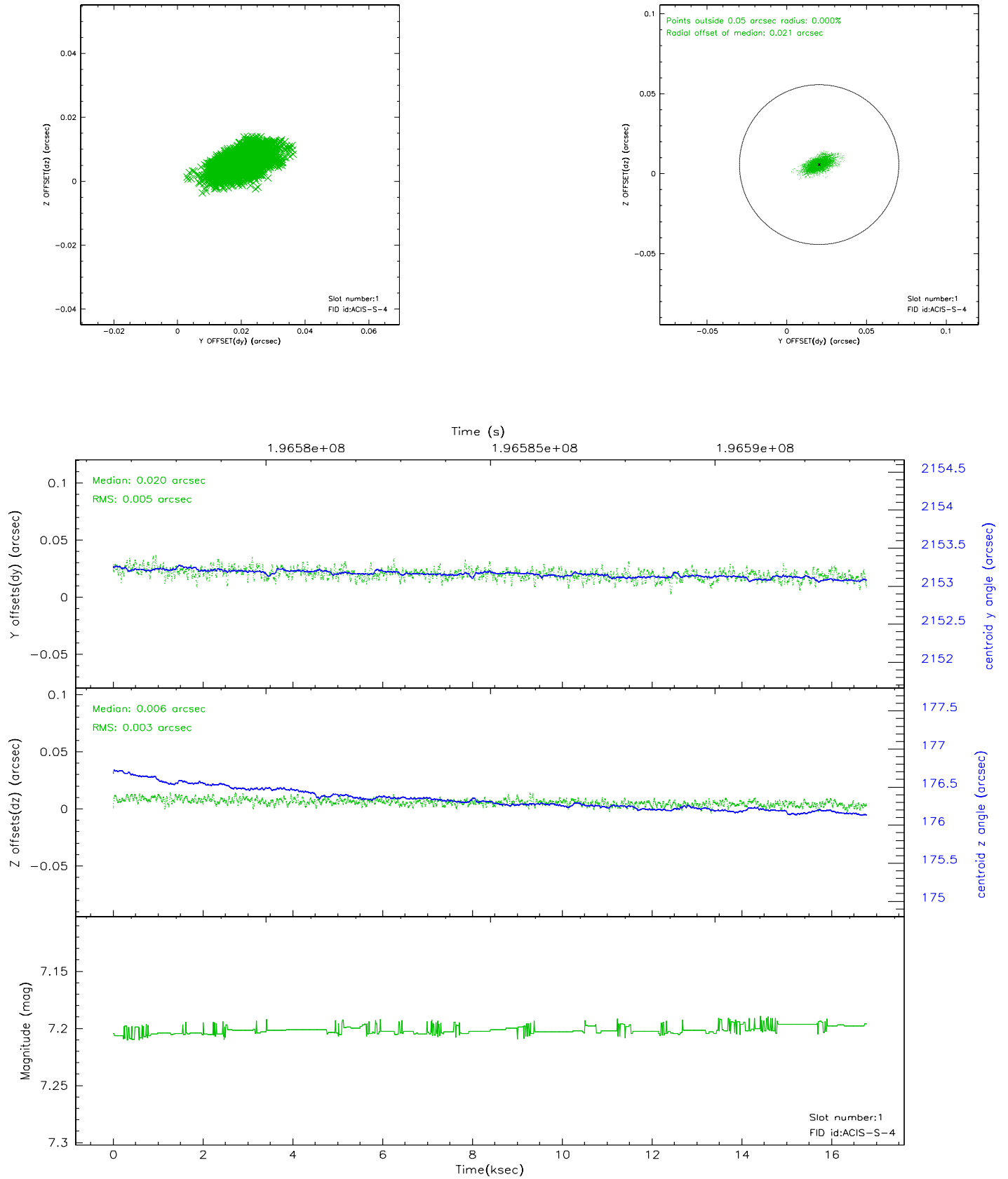


## 2.5 FID Slots

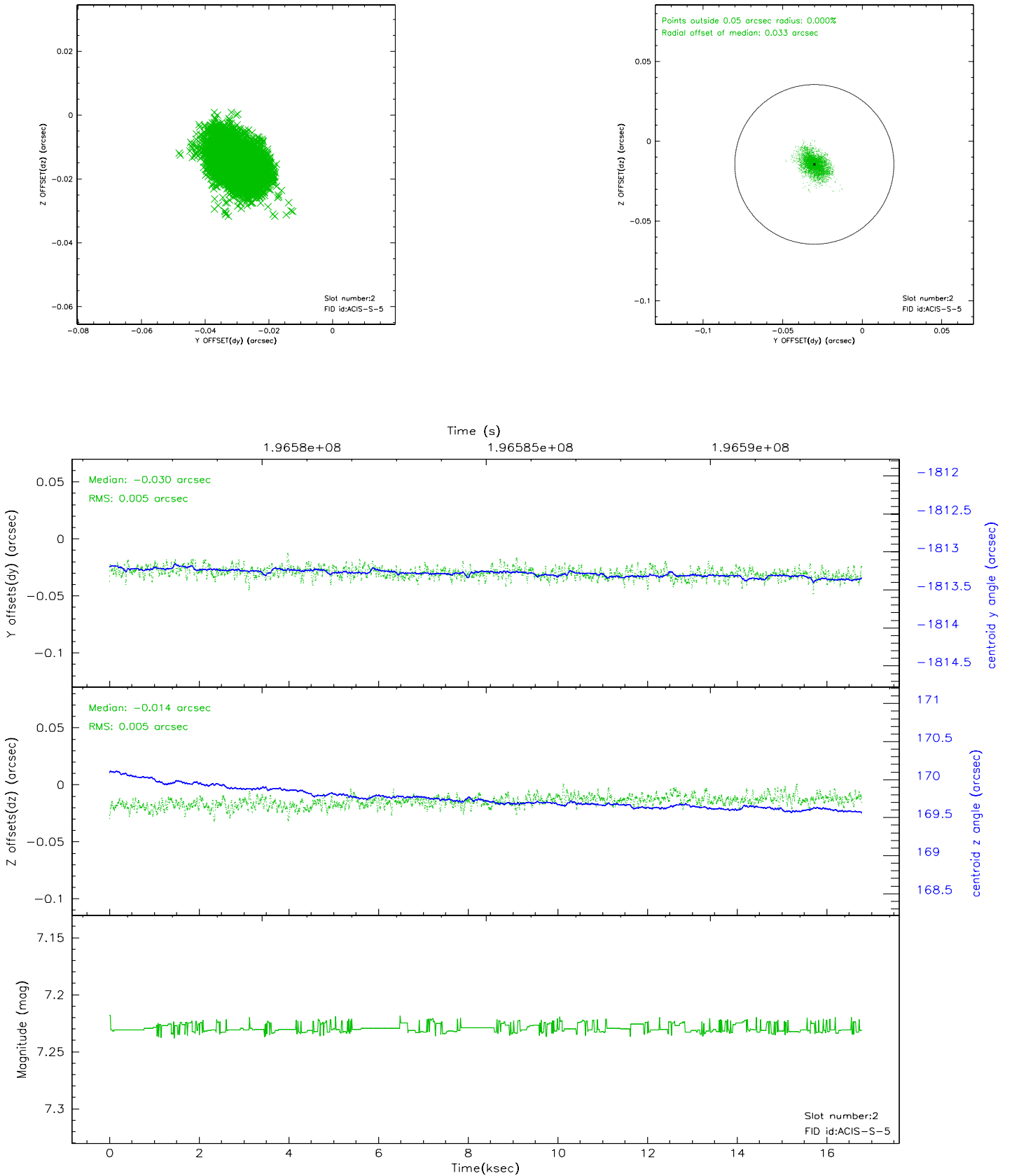
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





### 3 Point Sources

6.27 arcmin



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.78

### A.2 Comments