

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 729 - L2 Version 001  
Chandra X-Ray Center

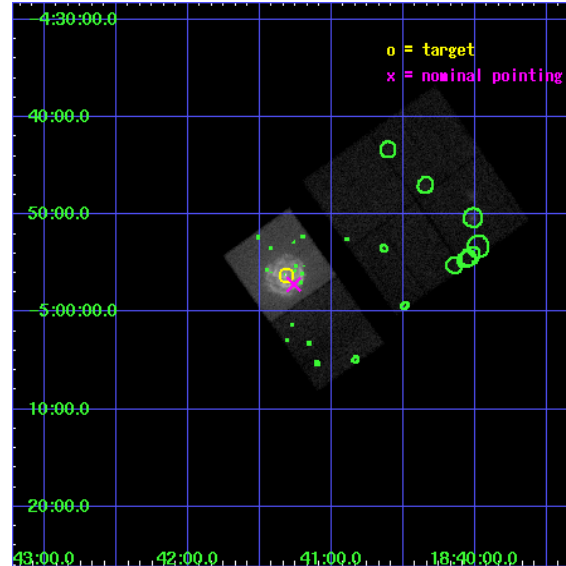
L2 Processing Date : May 31 2007

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# 1 Front

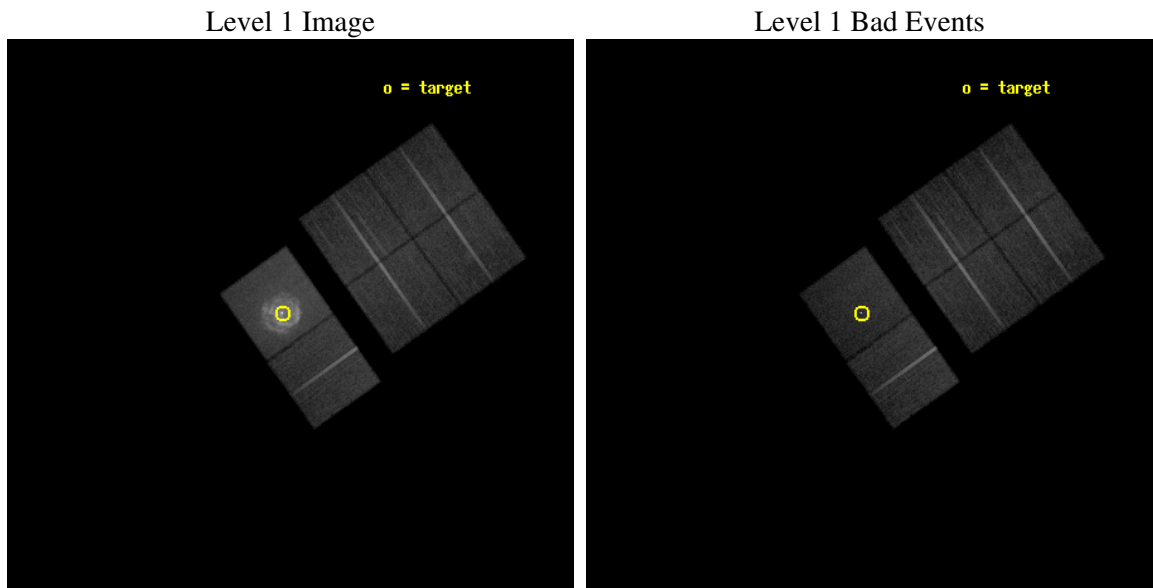
seq_num	500025
obs_id	729
title	THE TORTOISE AND THE HARE: AN AXAF STUDY OF TWO COMPOSITE SUPERNOVA REMNANTS
observer	Dr. Patrick Slane
object	KES 73
dtcycle	0
cycle	P
ra_targ	280.329167
dec_targ	-4.937222
ra_nom	280.31548498149
dec_nom	-4.9532605552053
roll_nom	234.67095919958
revision	3
ontime	29638.400027603
livetime	29263.100760351
ontime0	29638.400027603
ontime1	29638.400027603
ontime2	29638.400027603
ontime3	29638.400027603
ontime6	29638.400027603
ontime7	29638.400027603
l2events	327528



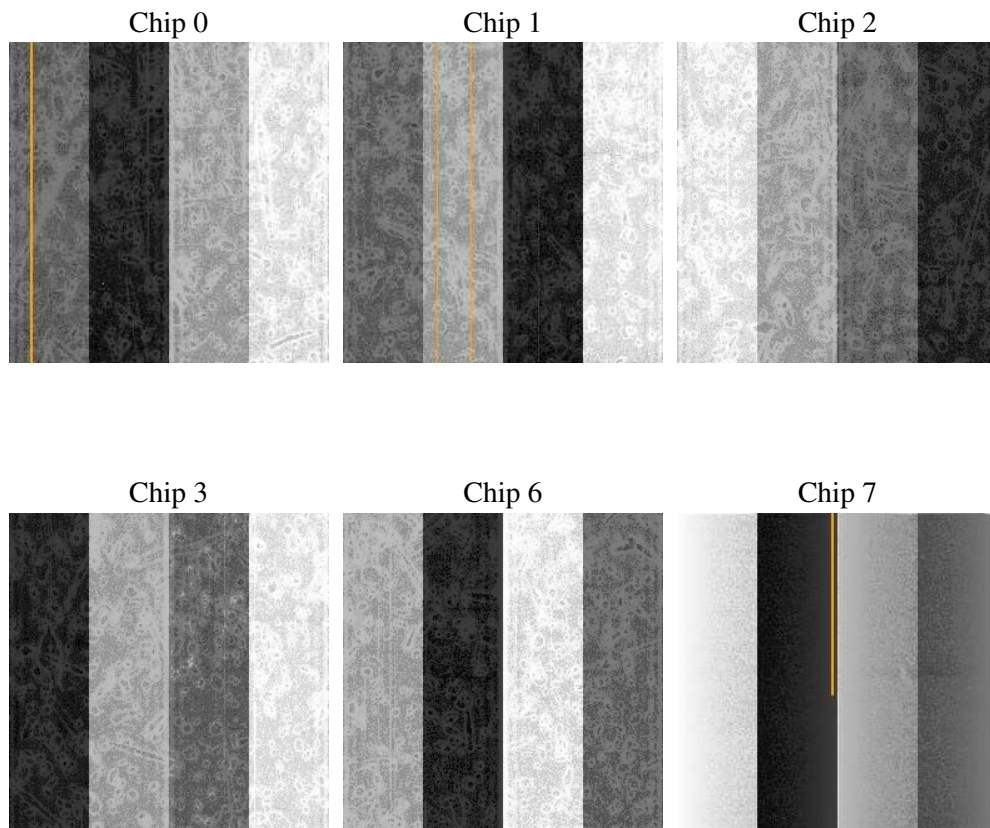
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.10
caldsver	3.4.0
date	2007-05-31T18:26:31
revision	3

sched_exp_time	30000.000000
ontime	29638.400027603
ontime0	29638.400027603
ontime1	29638.400027603
ontime2	29638.400027603
ontime3	29638.400027603
ontime6	29638.400027603
ontime7	29638.400027603
l1events	1163070

### 2.1.4 Events

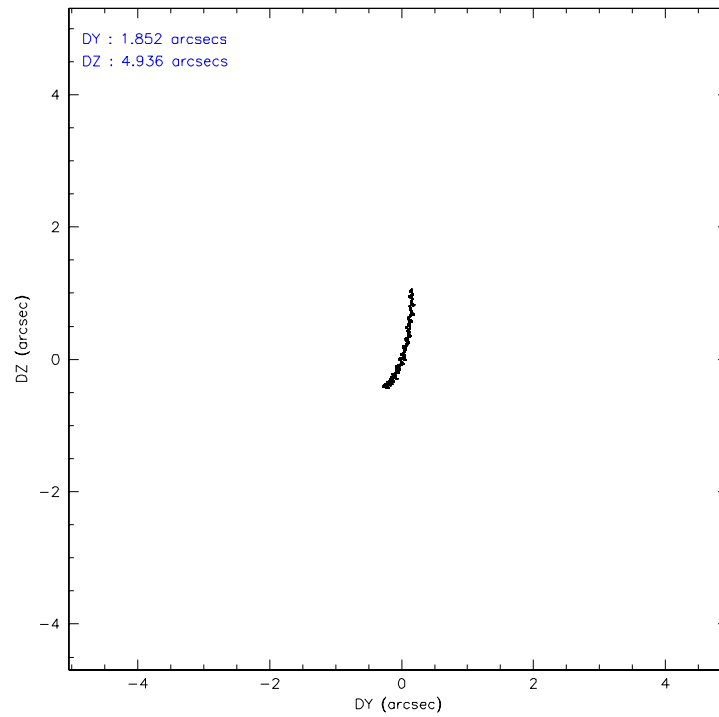
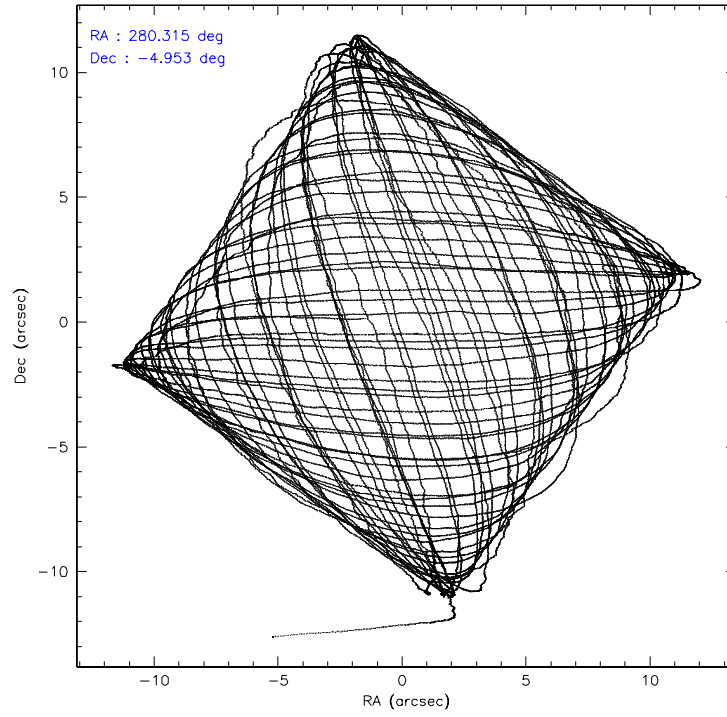
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	157121	149011	163700	163152	172536	357550
rejected events	135234	127740	143072	141842	147789	121739
rejected %	86%	85%	87%	86%	85%	34%

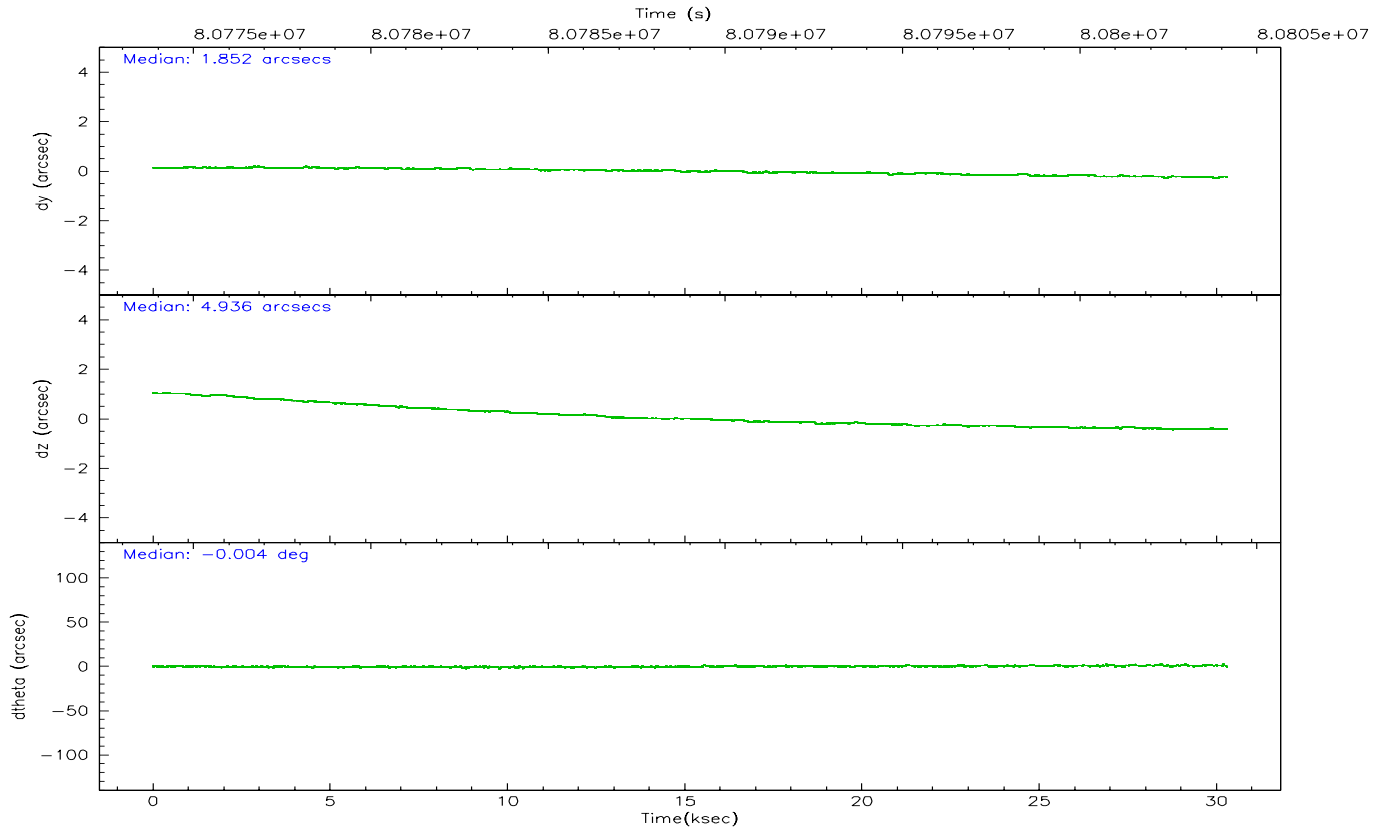
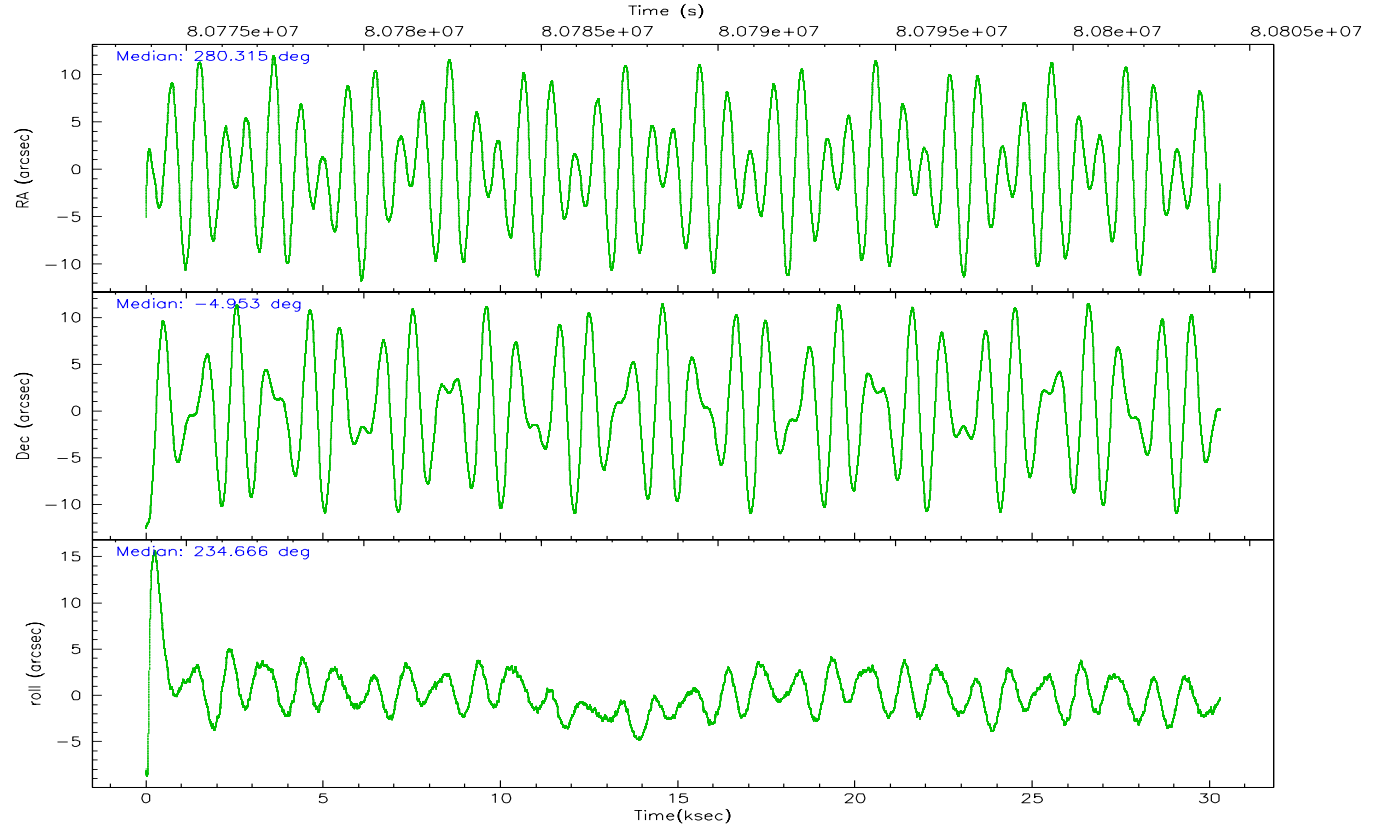
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	10542	9472	9803	10350	12427	44810
	6%	6%	5%	6%	7%	12%
grade 1 events	81	72	79	81	103	478
	0%	0%	0%	0%	0%	0%
grade 2 events	4175	3947	4046	3813	4329	56628
	2%	2%	2%	2%	2%	15%
grade 3 events	1978	2039	1783	1934	2086	25744
	1%	1%	1%	1%	1%	7%
grade 4 events	1901	2127	1781	1945	2021	25723
	1%	1%	1%	1%	1%	7%
grade 5 events	5657	5876	5155	5916	6557	20973
	3%	3%	3%	3%	3%	5%
grade 6 events	3292	3688	3215	3273	3888	82931
	2%	2%	1%	2%	2%	23%
grade 7 events	129495	121790	137838	135840	141125	100263
	82%	81%	84%	83%	81%	28%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	280.317917	280.315484981486	Subarray requested	NONE	NONE
Pointing Dec	-4.925950	-4.953260555205323	Alternating exposures requested	N	N
Pointing Roll	234.514550	234.6709591995788	Primary exposure time	3.200000	3.2
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	80774000.184000	80772929.637795			
Observation start date	2000-07-23T21:12:16	2000-07-23T20:55:29			
Observation end time	80804000.184000	80804815.33898			
Observation end date	2000-07-24T05:32:16	2000-07-24T05:46:55			
Read mode	TIMED	TIMED			

## 2.3 Aspect





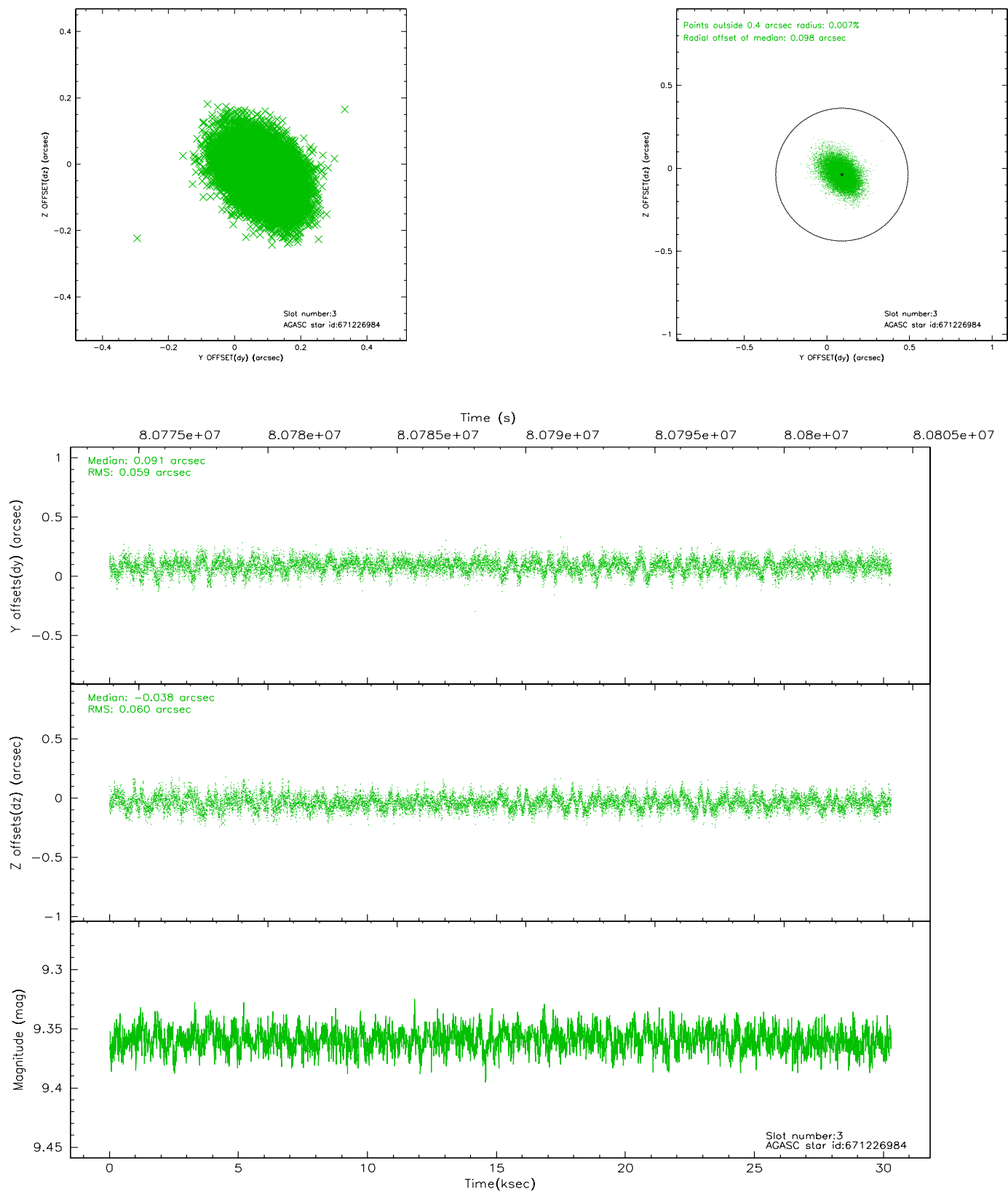
### Slot Statistics

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	7392	0.005	0.002	0.008	0.013	0.000000	0.000000	-754.44	-1726.16
1	FID	ACIS-S-4	7.21	7391	-0.027	-0.008	0.009	0.014	0.000000	0.000000	2158.77	182.25
2	FID	ACIS-S-6	7.35	7392	-0.006	0.013	0.013	0.021	0.000000	0.000000	407.62	819.74
3	GUIDE	671226984	9.36	14779	0.091	-0.038	0.088	0.149	280.194593	-5.352386	1506.89	532.02
4	GUIDE	671221480	9.19	14780	-0.057	0.006	0.077	0.126	280.711295	-4.815985	-1141.06	920.10
5	GUIDE	671223936	9.49	14779	-0.057	-0.026	0.102	0.169	280.598328	-4.808883	-926.98	575.18
6	GUIDE	671226624	9.34	14779	0.083	-0.034	0.130	0.222	279.514679	-4.922399	1663.88	-2351.51
7	GUIDE	671227648	9.80	14773	-0.054	0.086	0.103	0.168	280.513174	-4.545518	-1521.62	-223.96

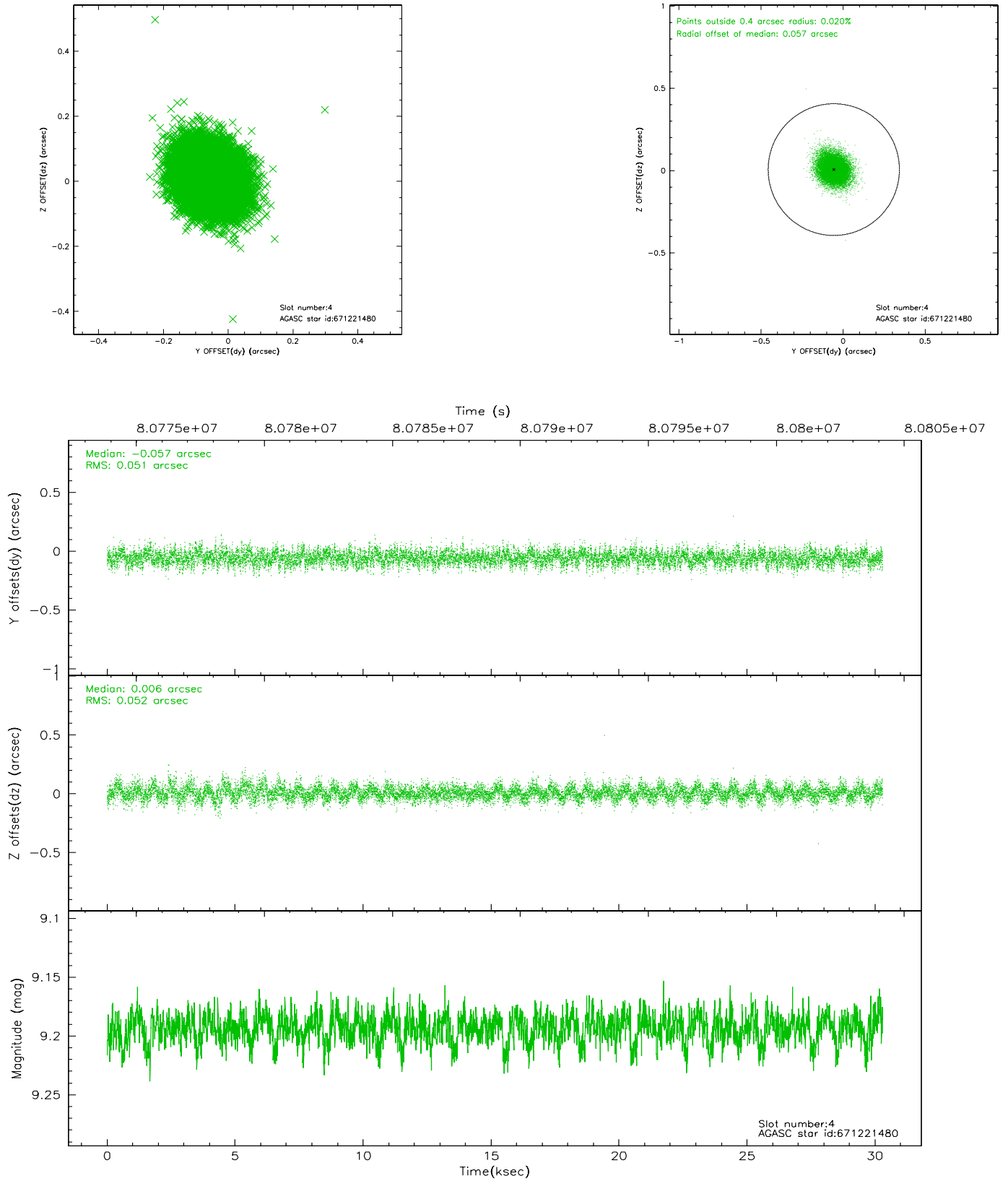


## 2.4 Star Slots

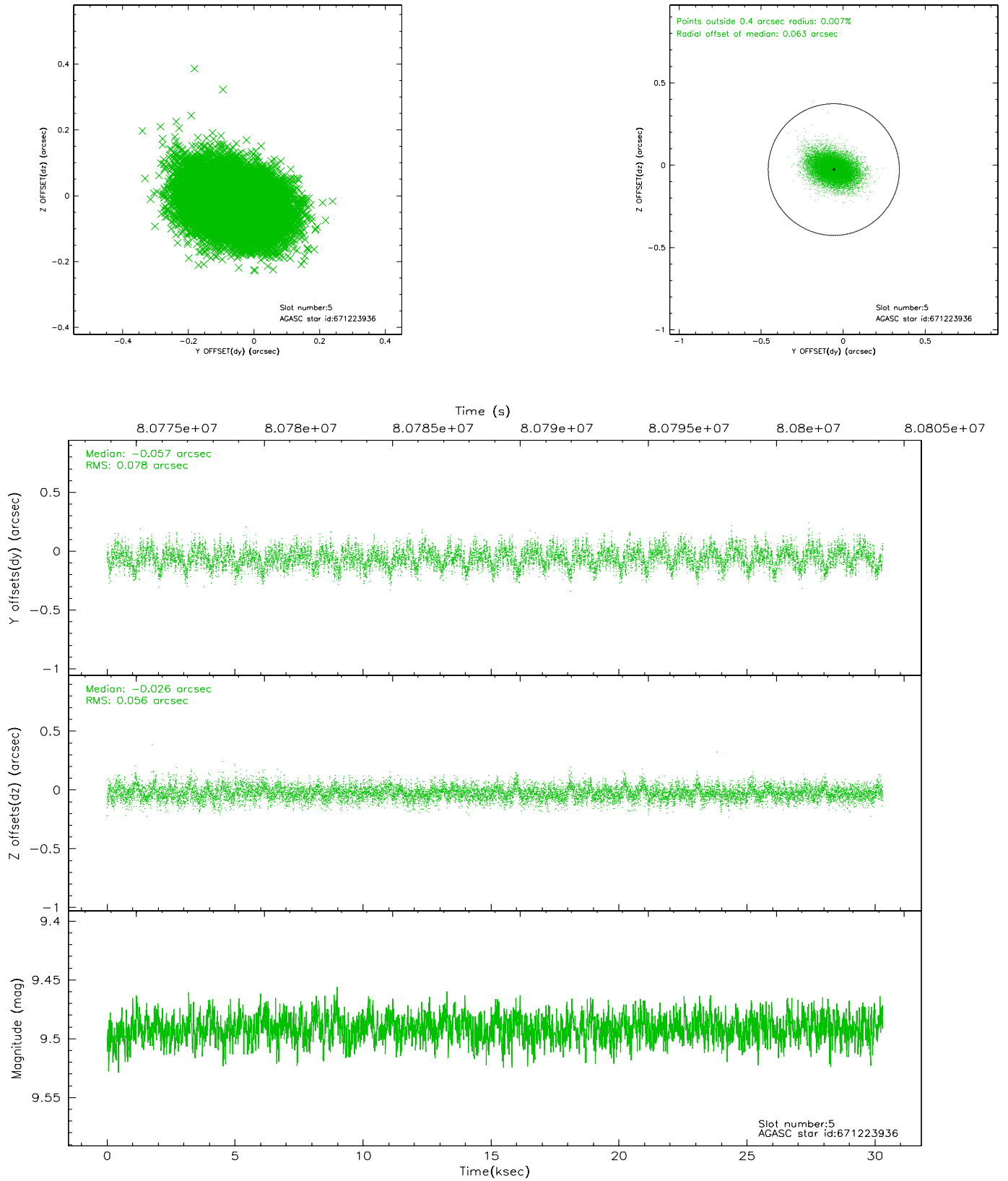
### 2.4.1 Slot 3



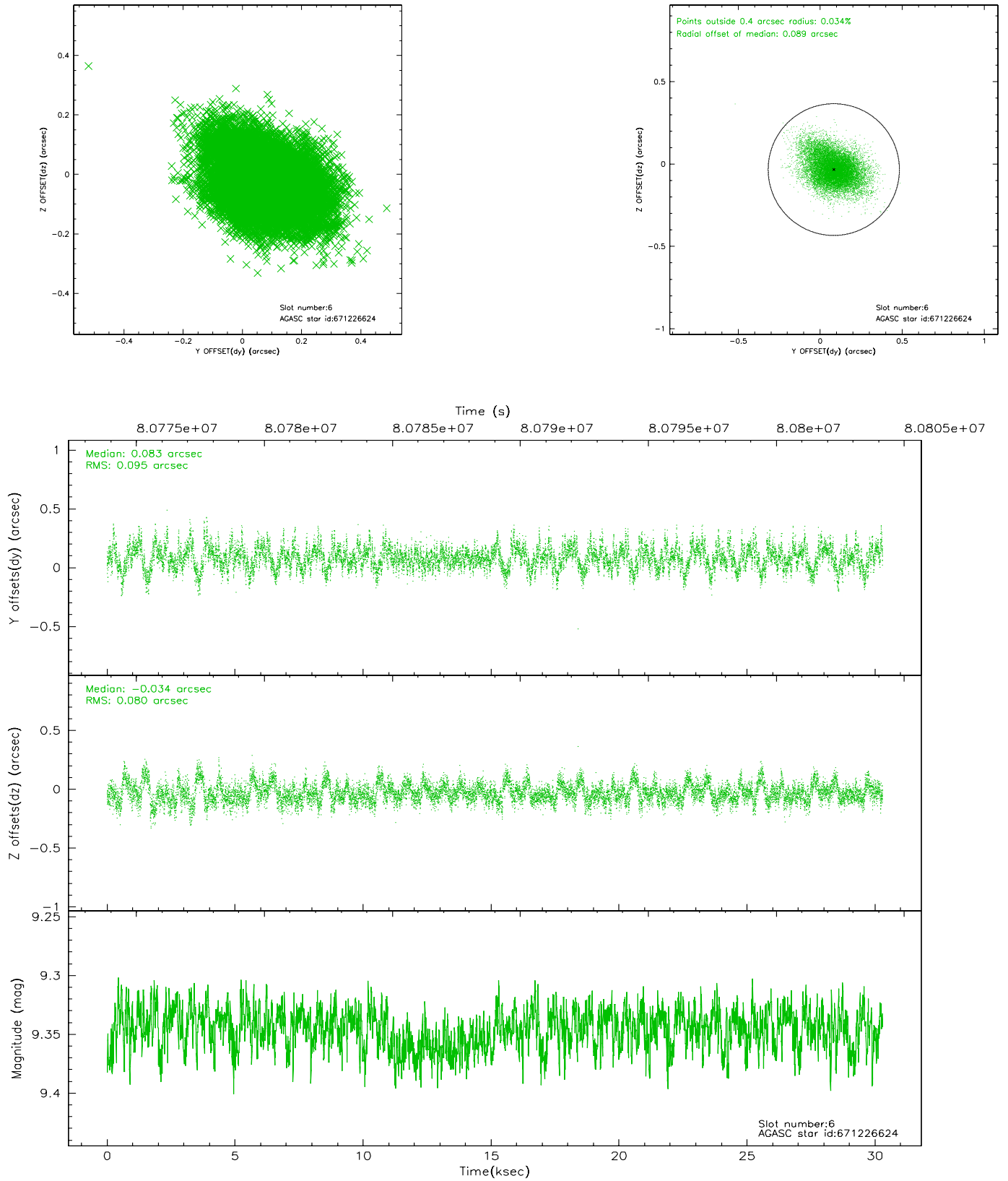
## 2.4.2 Slot 4



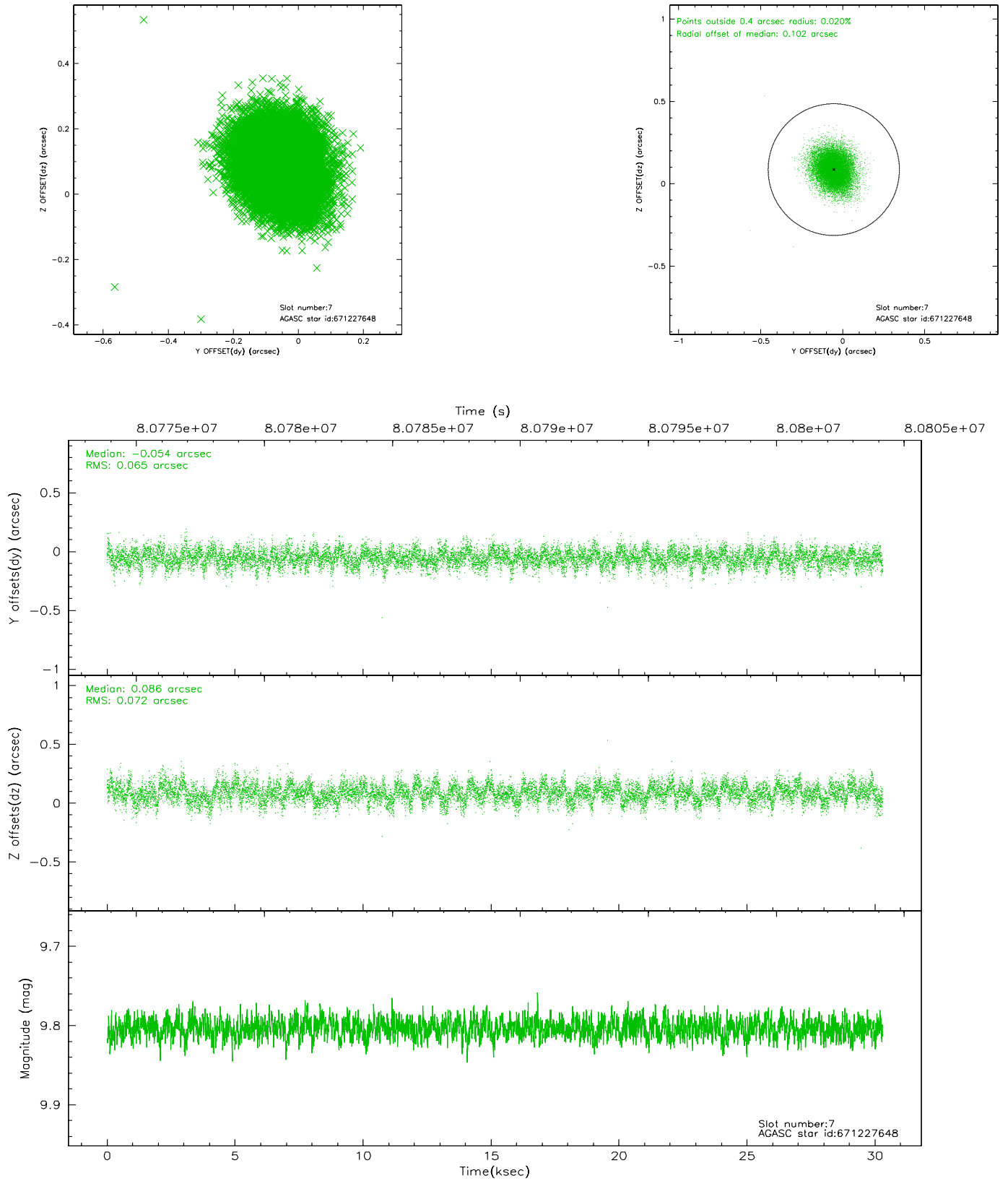
### 2.4.3 Slot 5



## 2.4.4 Slot 6

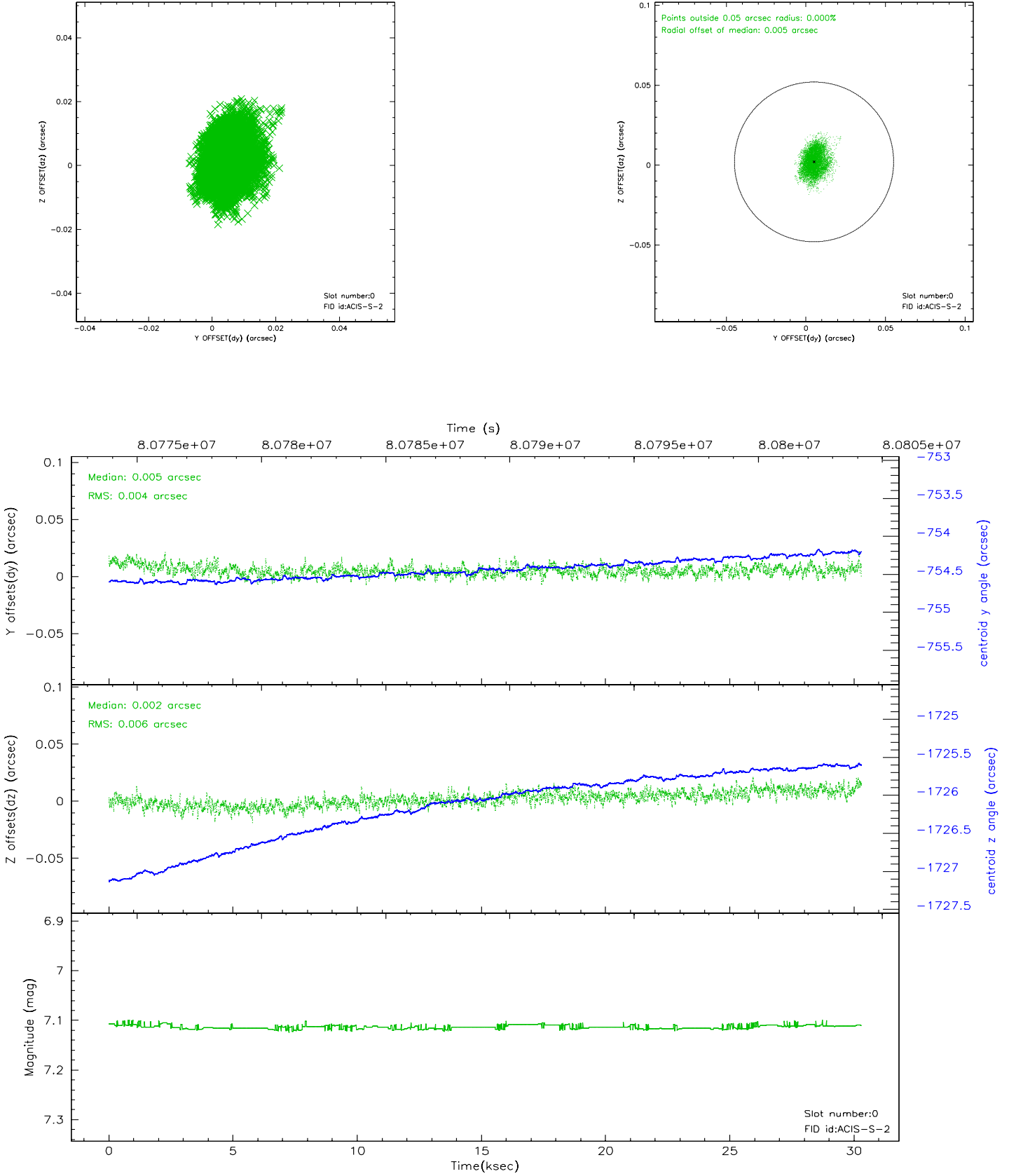


## 2.4.5 Slot 7

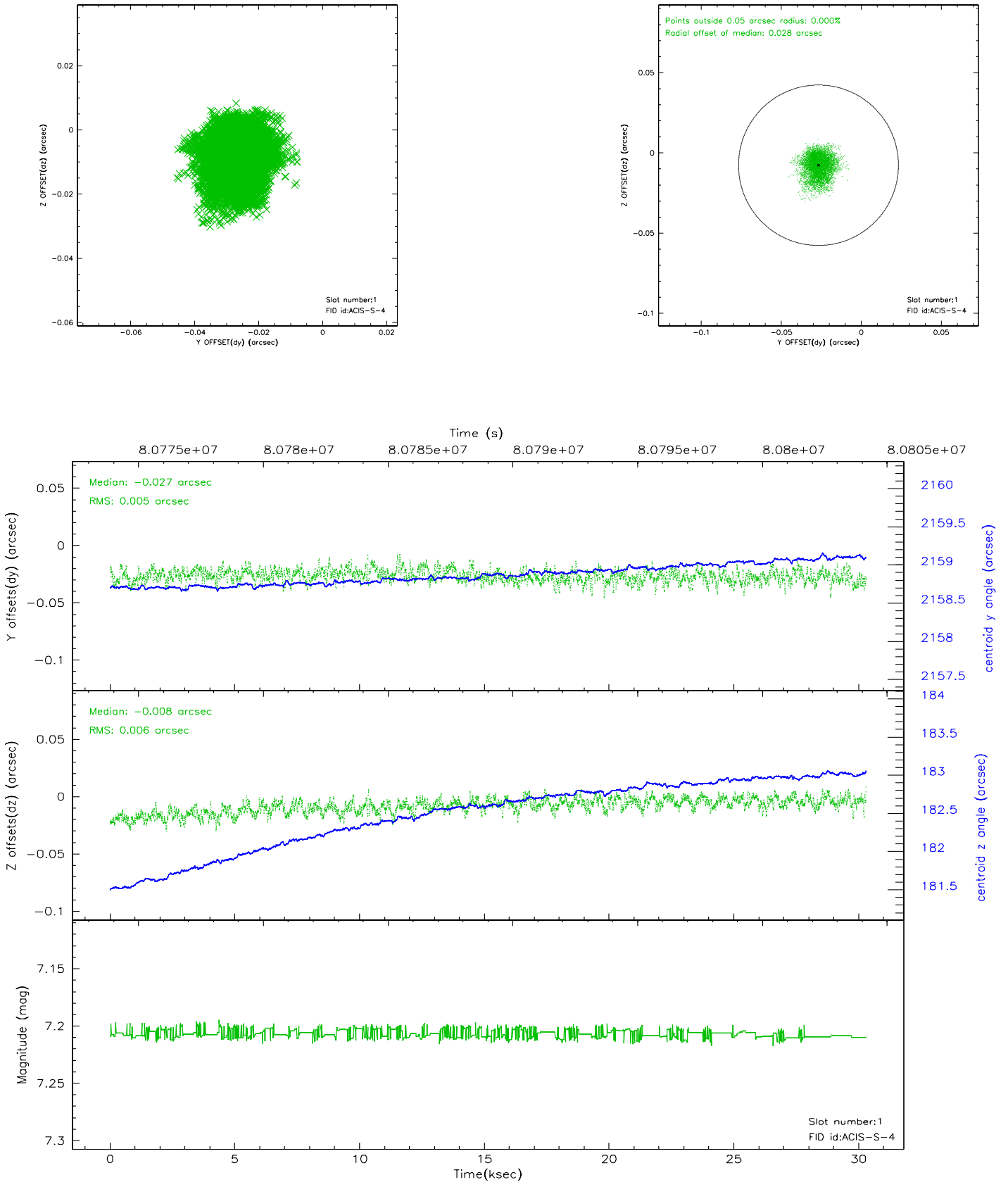


## 2.5 FID Slots

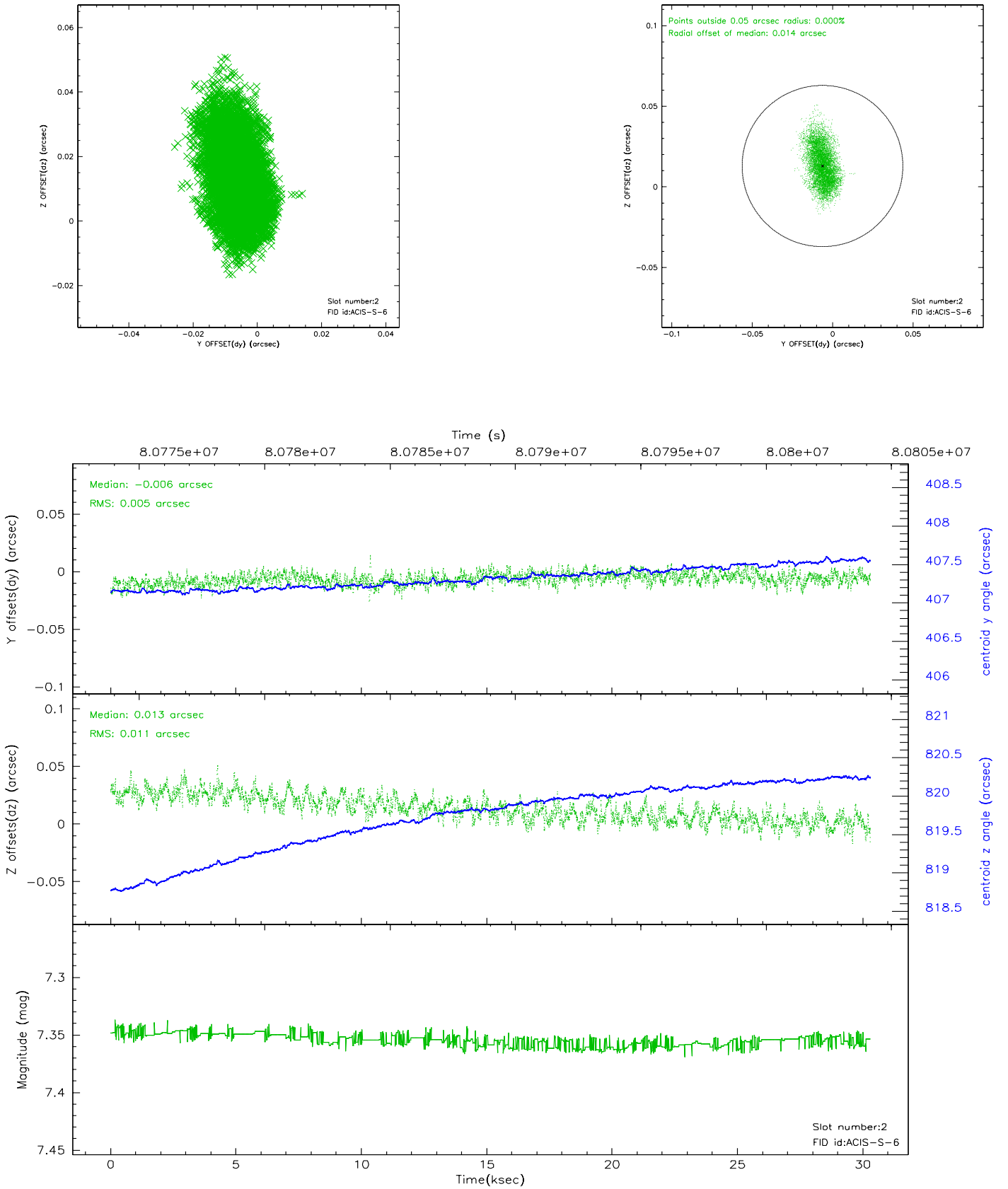
### 2.5.1 Slot 0



## 2.5.2 Slot 1

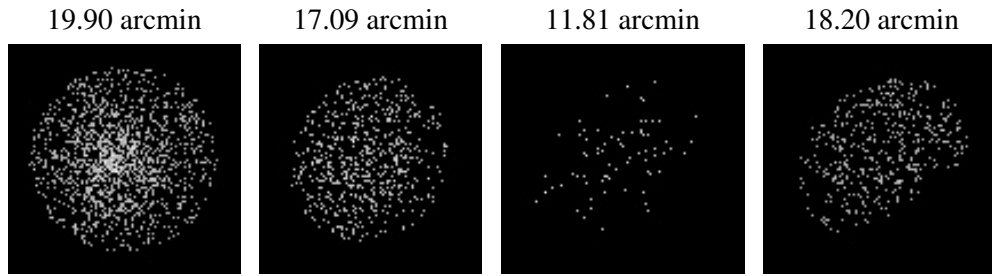


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.644

### A.2 Comments