

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 1949 - L2 Version 001  
Chandra X-Ray Center

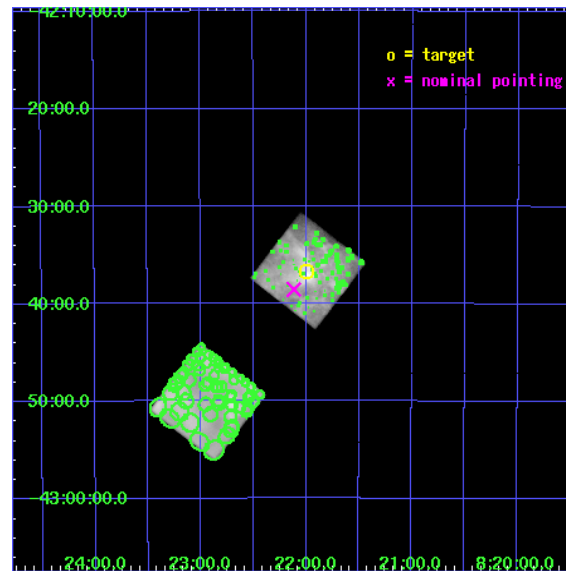
L2 Processing Date : Sep 6 2006

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# 1 Front

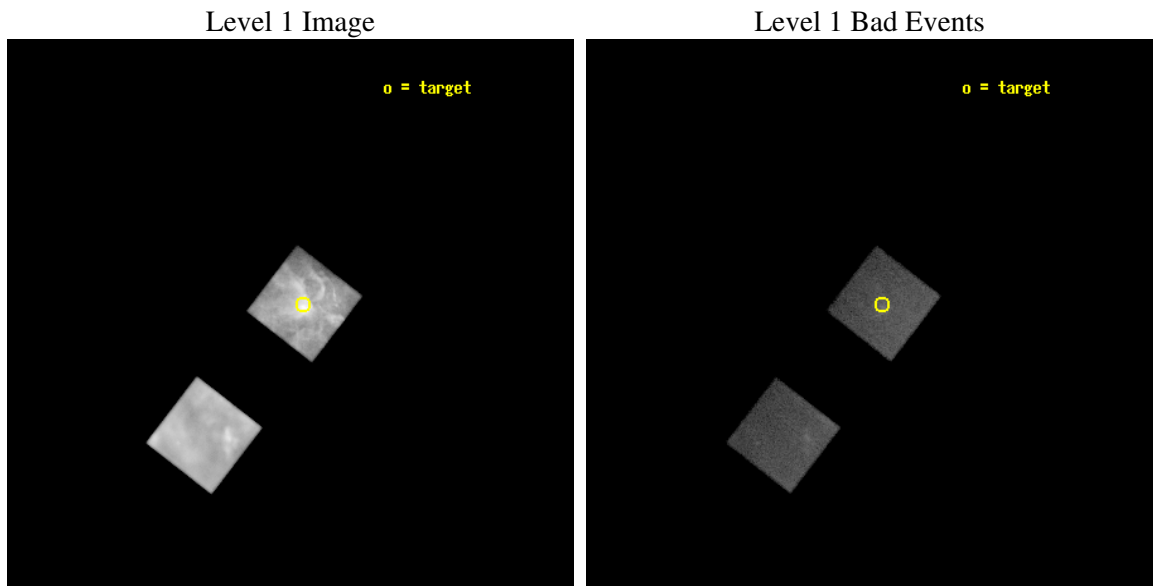
seq_num	500126
obs_id	1949
title	EXPLORING SHOCK CONDITIONS IN THE PUPPIS A SNR
observer	Dr Una Hwang
object	PUPPIS N KNOT
dtcycle	0
cycle	P
ra_targ	125.5
dec_targ	-42.611944
ra_nom	125.52911691901
dec_nom	-42.642623094977
roll_nom	307.66859763516
revision	2
ontime	20151.0
livetime	19879.054533975
ontime5	15200.305995211
ontime7	20151.0
l2events	3432446



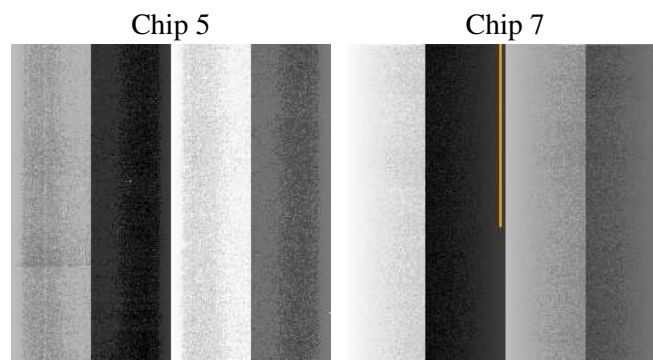
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	3
ascdsver	7.6.8.1
caldbver	3.2.3
date	2006-09-06T14:07:54
revision	2

sched_exp_time	20000.000000
ontime	20982.922258958
ontime5	16032.228254169
ontime7	20982.922258958
l1events	3783743

### 2.1.4 Events

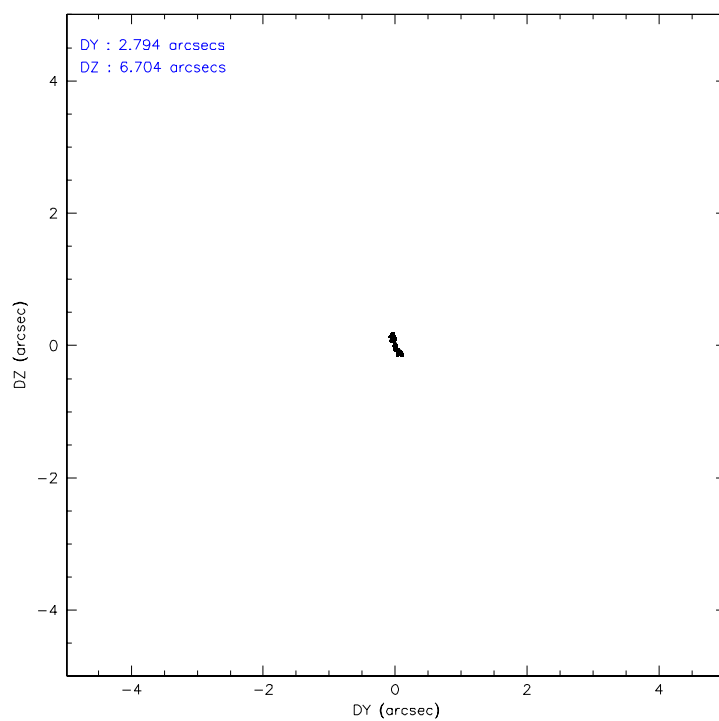
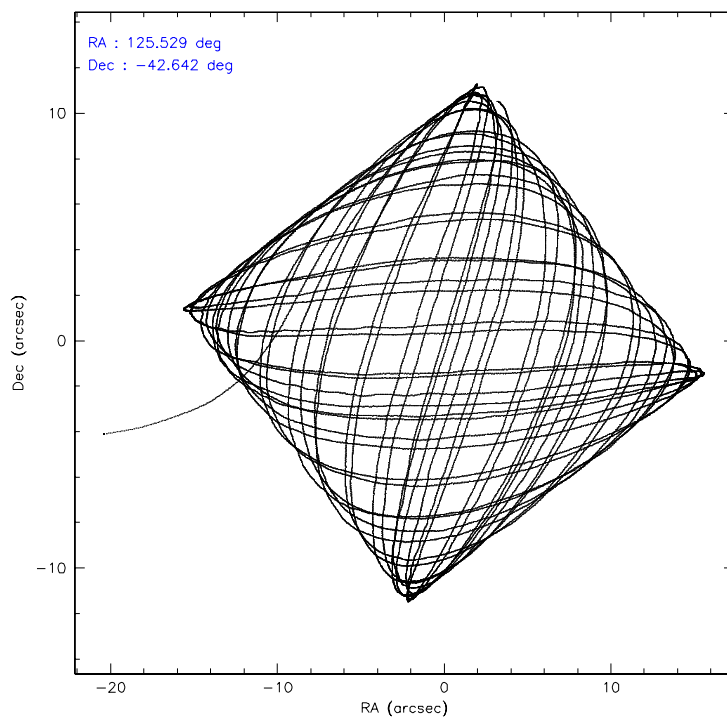
	ccd 5	ccd 7
level 1 events	2185396	1598347
rejected events	153721	154491
rejected %	7%	9%

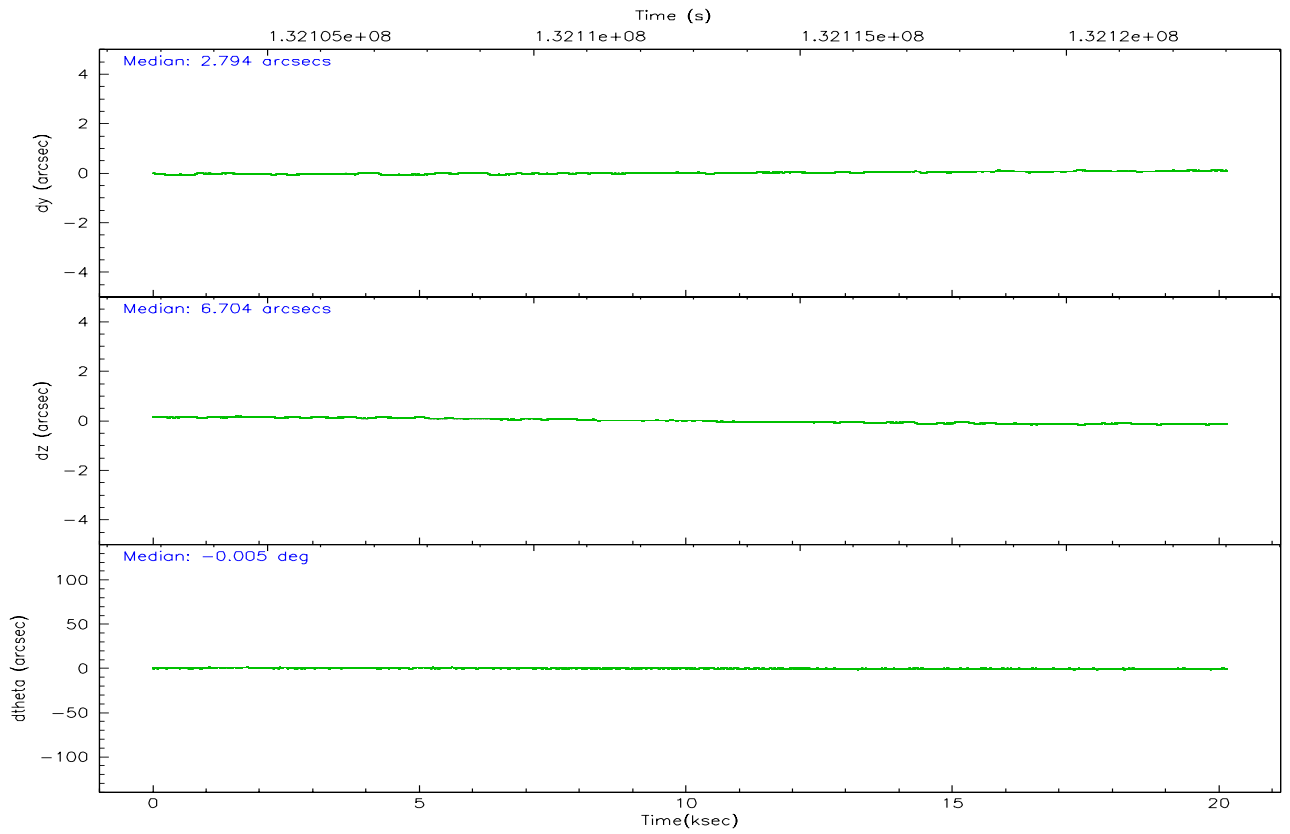
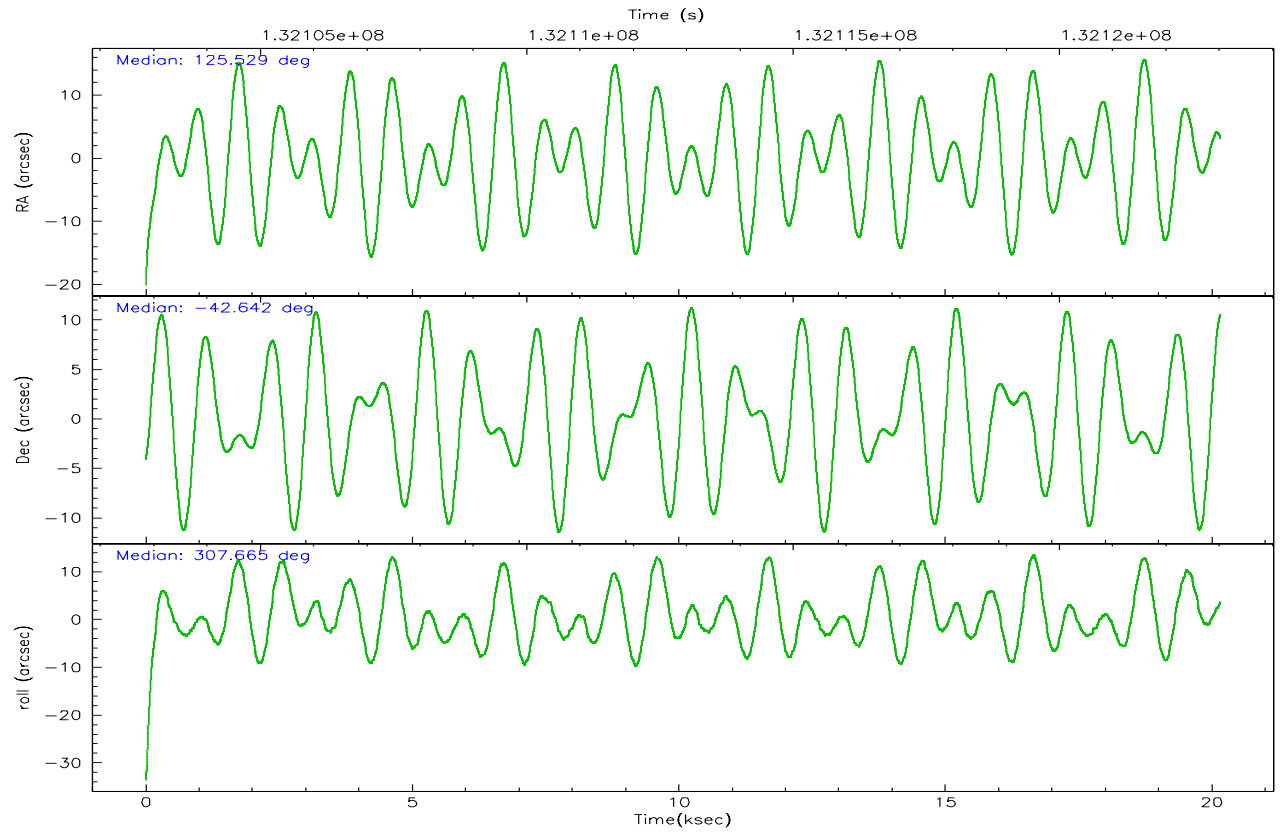
	ccd 5	ccd 7
grade 0 events	771330	480400
	35%	30%
grade 1 events	1291	794
	0%	0%
grade 2 events	680449	419826
	31%	26%
grade 3 events	178640	166409
	8%	10%
grade 4 events	177500	164985
	8%	10%
grade 5 events	24514	22286
	1%	1%
grade 6 events	264368	240148
	12%	15%
grade 7 events	87304	103499
	3%	6%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-57	ACIS-57	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	NONE	NONE
Pointing RA	125.494684	125.5291169190102	Alternating exposures requested	N	N
Pointing Dec	-42.632587	-42.64262309497725	Primary exposure time	0.000000	3
Pointing Roll	307.488651	307.6685976351636			
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	132103015.184000	132101820.76108			
Observation start date	2002-03-09T23:15:51	2002-03-09T22:57:00			
Observation end time	132123015.184000	132123765.49947			
Observation end date	2002-03-10T04:49:11	2002-03-10T05:02:45			
Read mode	TIMED	TIMED			

## 2.3 Aspect





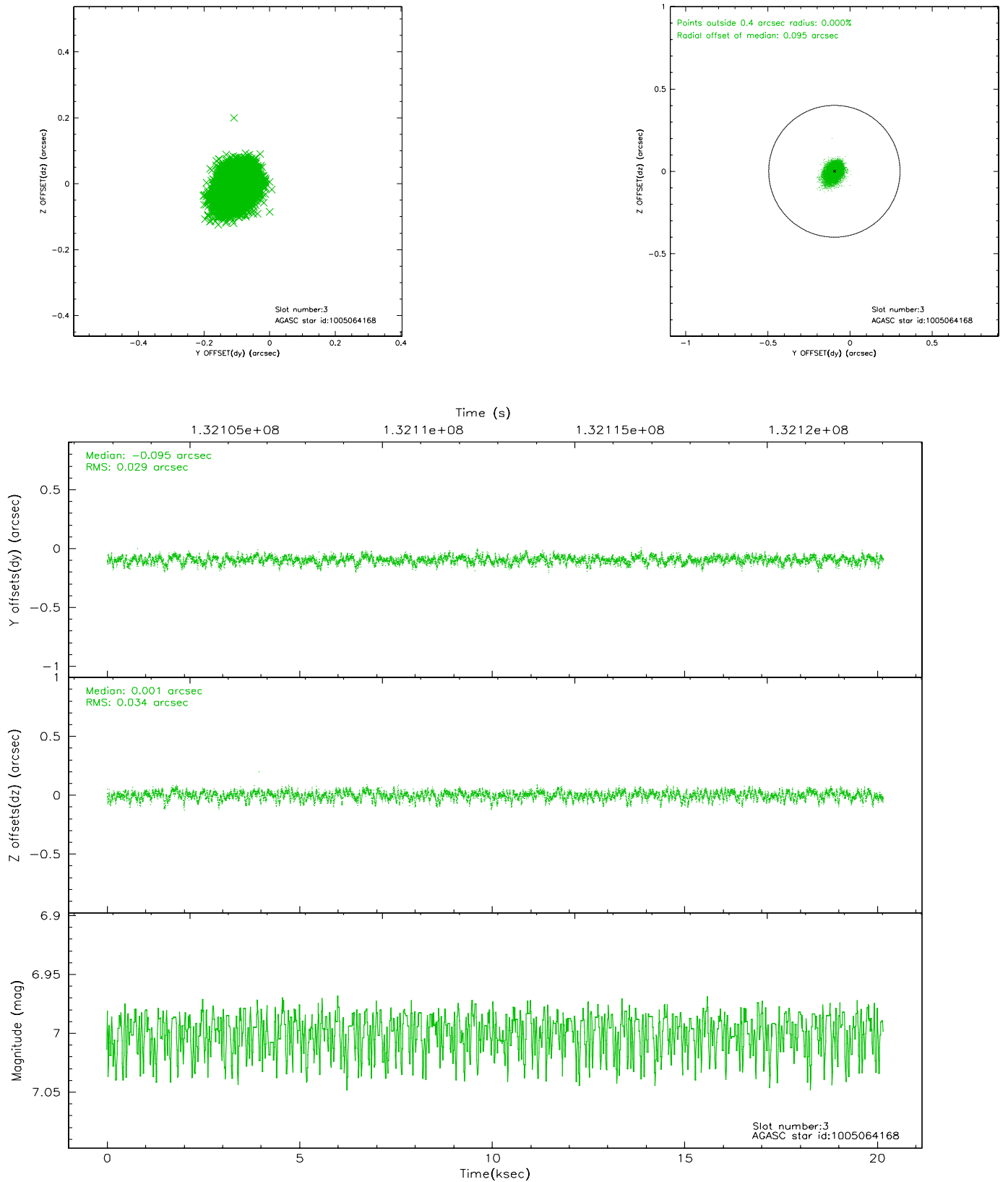
### Slot Statistics

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	4916	-0.011	0.035	0.007	0.012	0.000000	0.000000	-755.43	-1727.84
1	FID	ACIS-S-4	7.20	4916	-0.077	-0.004	0.006	0.012	0.000000	0.000000	2157.67	180.45
2	FID	ACIS-S-5	7.24	4916	0.057	-0.022	0.007	0.011	0.000000	0.000000	-1807.99	174.27
3	GUIDE	1005064168	7.00	9833	-0.095	0.001	0.046	0.079	124.723843	-42.526737	-1538.65	-1396.15
4	GUIDE	1005724040	7.59	9833	0.040	0.146	0.079	0.132	125.738175	-43.227880	2090.83	-797.54
5	GUIDE	1005065848	7.59	9829	-0.039	-0.050	0.047	0.075	124.947854	-42.722303	-619.01	-1346.70
6	GUIDE	1005216672	7.95	9832	0.018	-0.070	0.075	0.124	125.948907	-42.033869	-967.71	2273.68
7	GUIDE	1005201896	8.53	9813	0.071	-0.027	0.065	0.107	126.670468	-42.695868	2092.12	2317.41

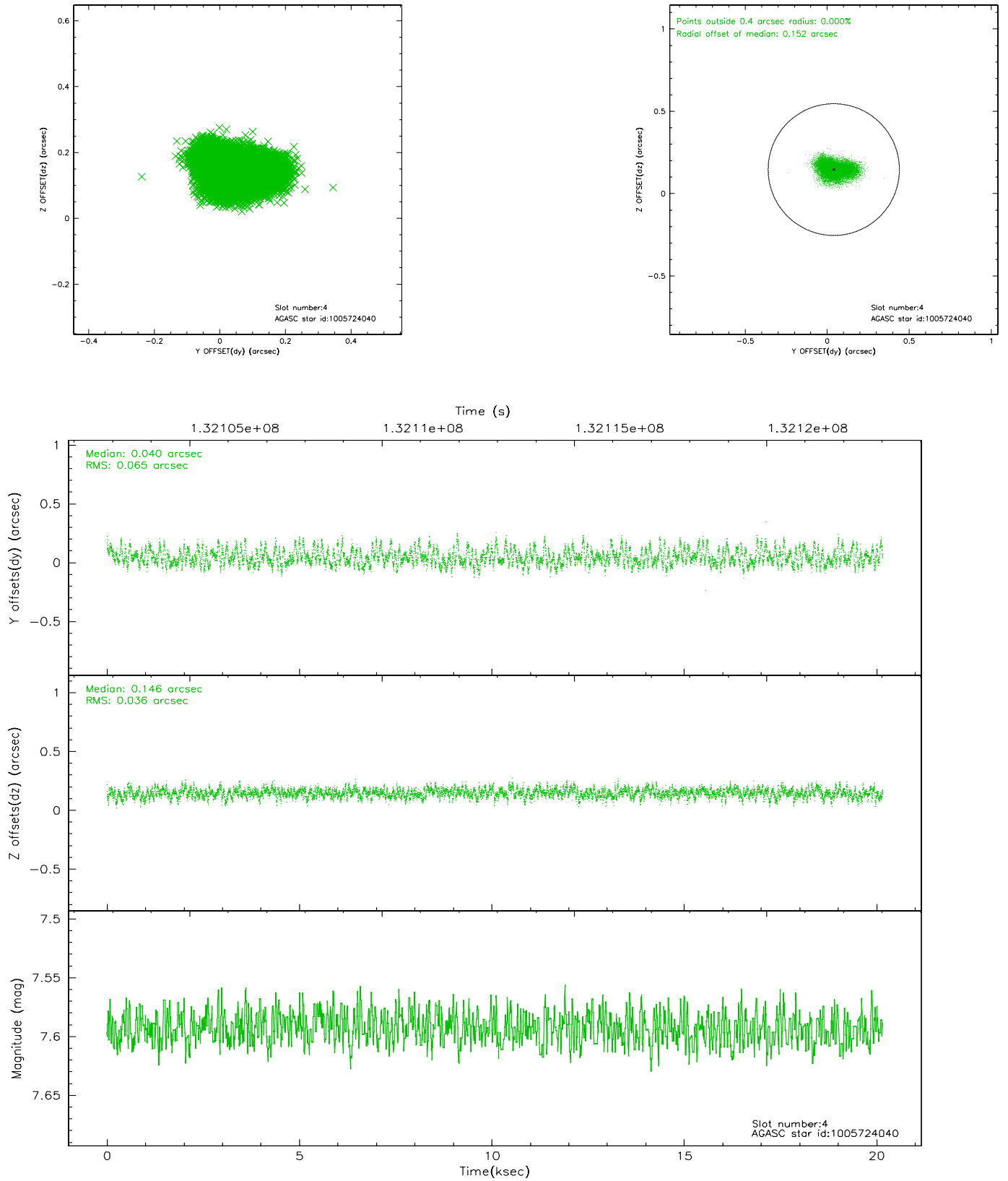


## 2.4 Star Slots

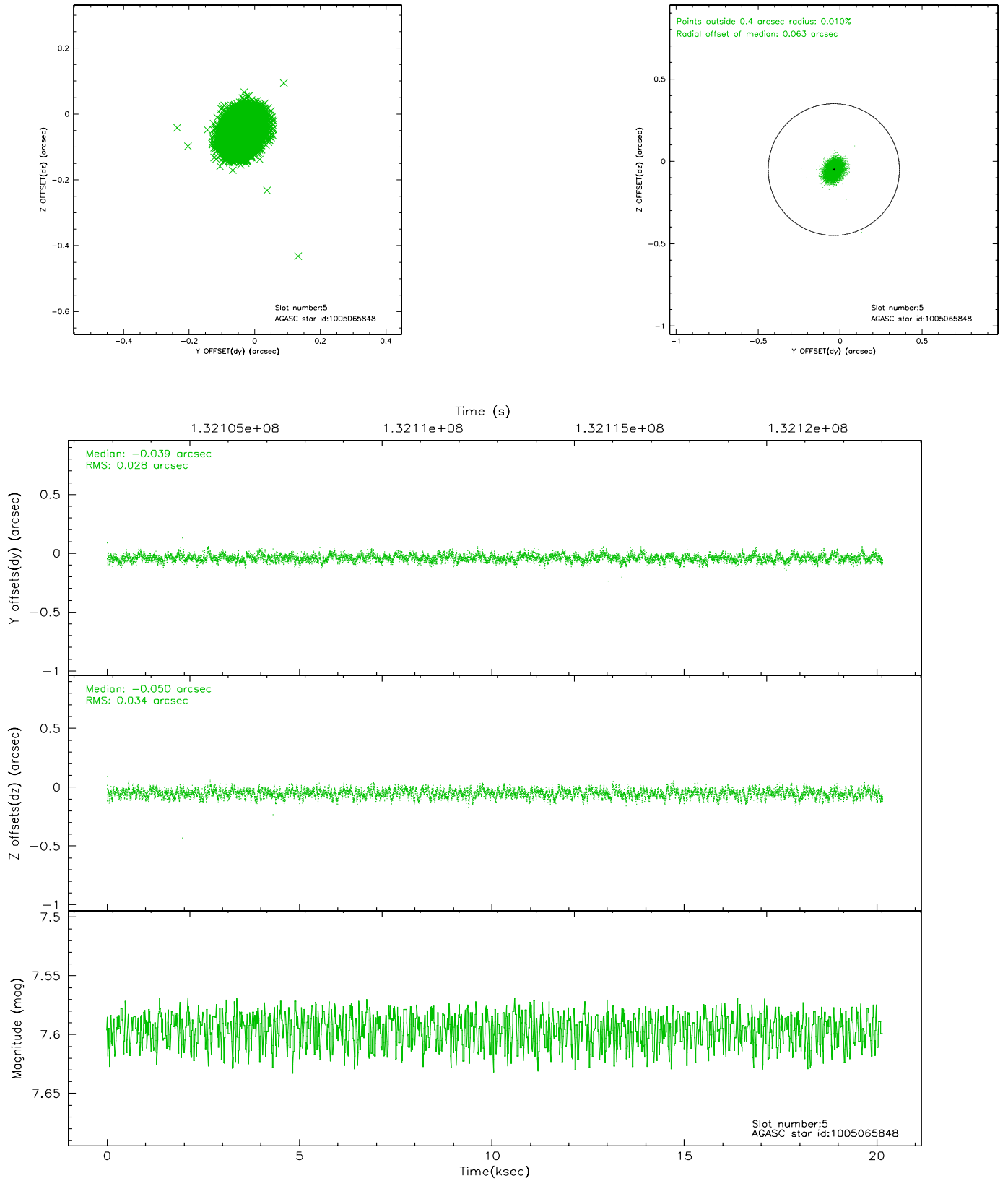
### 2.4.1 Slot 3



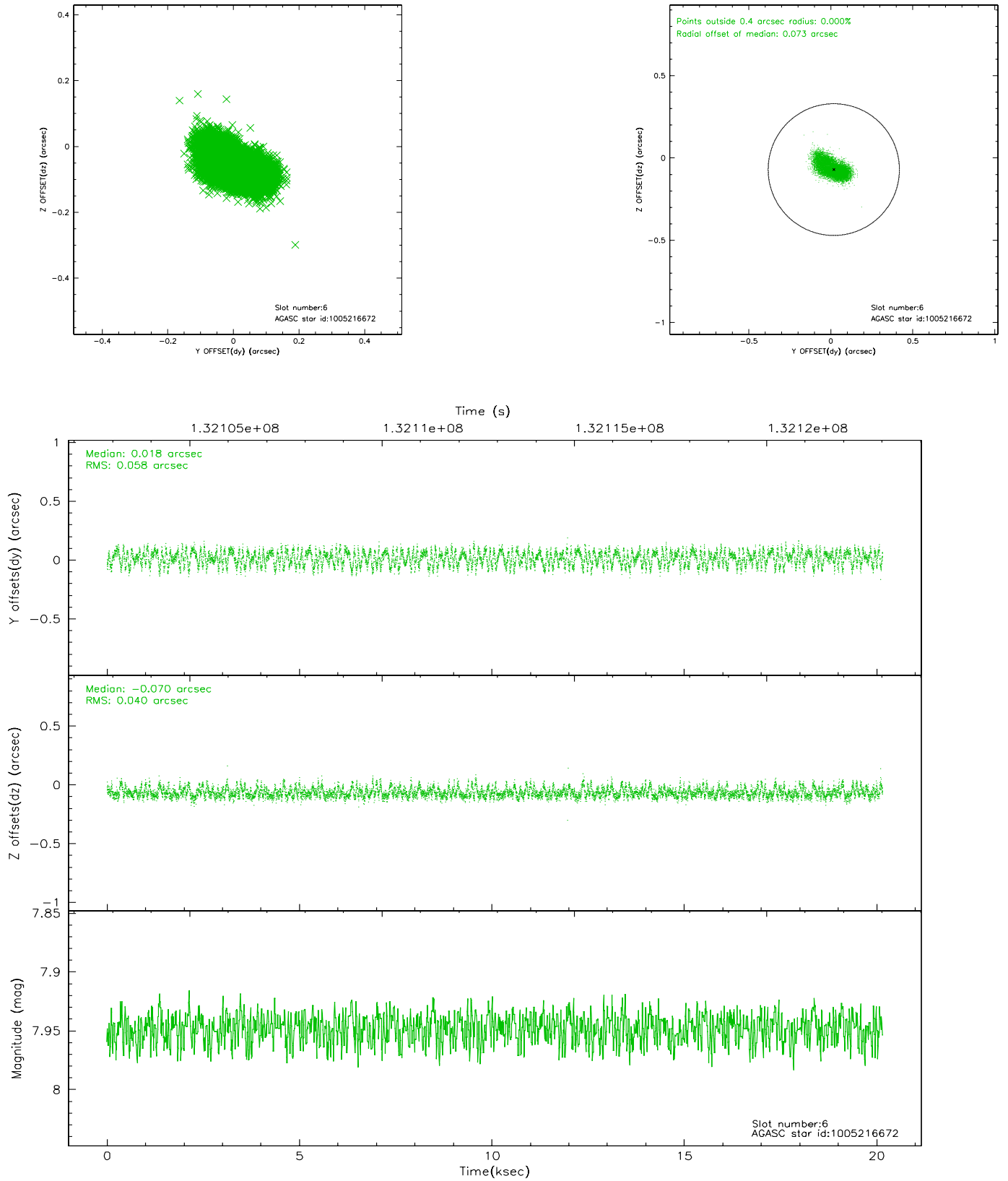
## 2.4.2 Slot 4



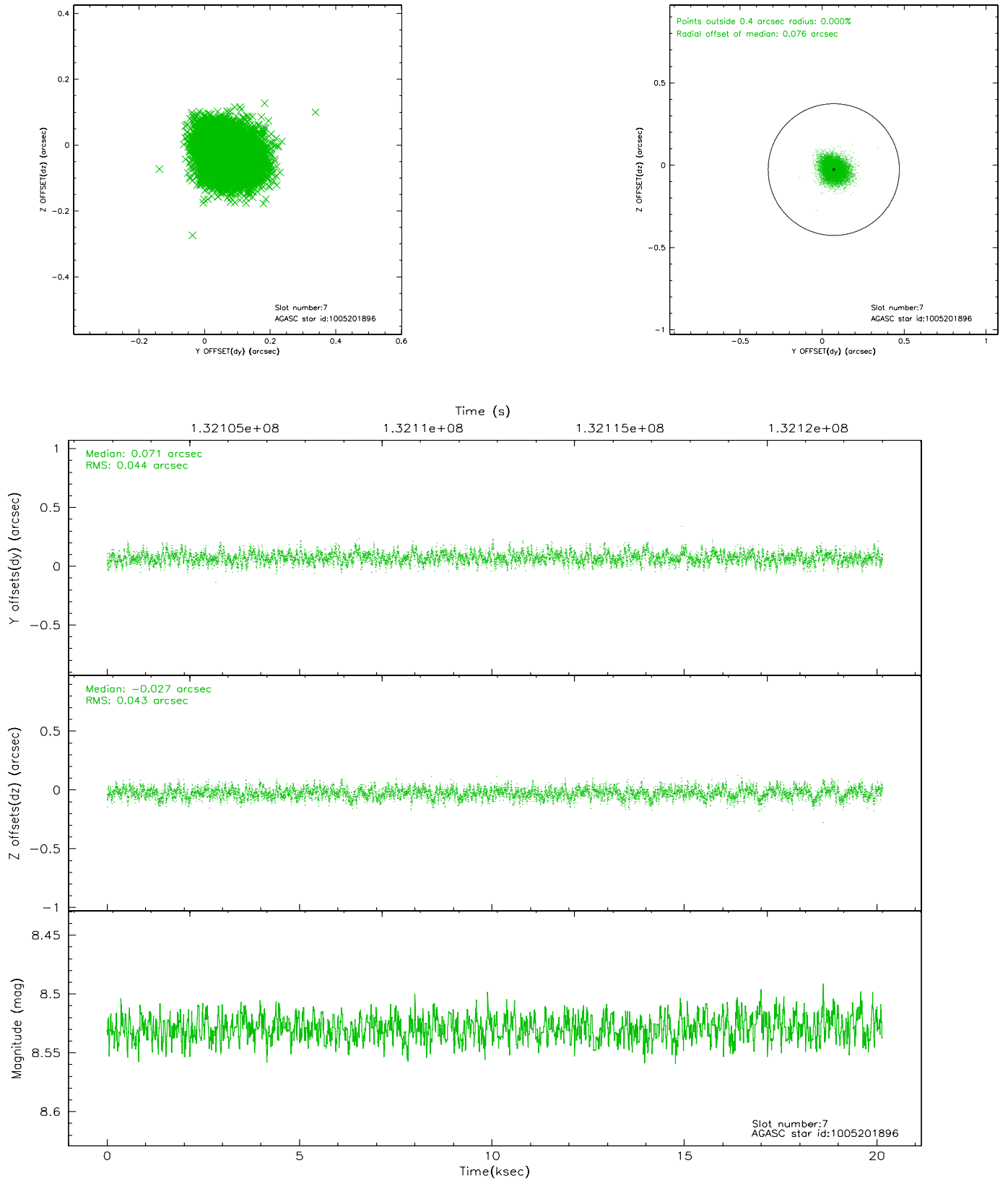
### 2.4.3 Slot 5



## 2.4.4 Slot 6

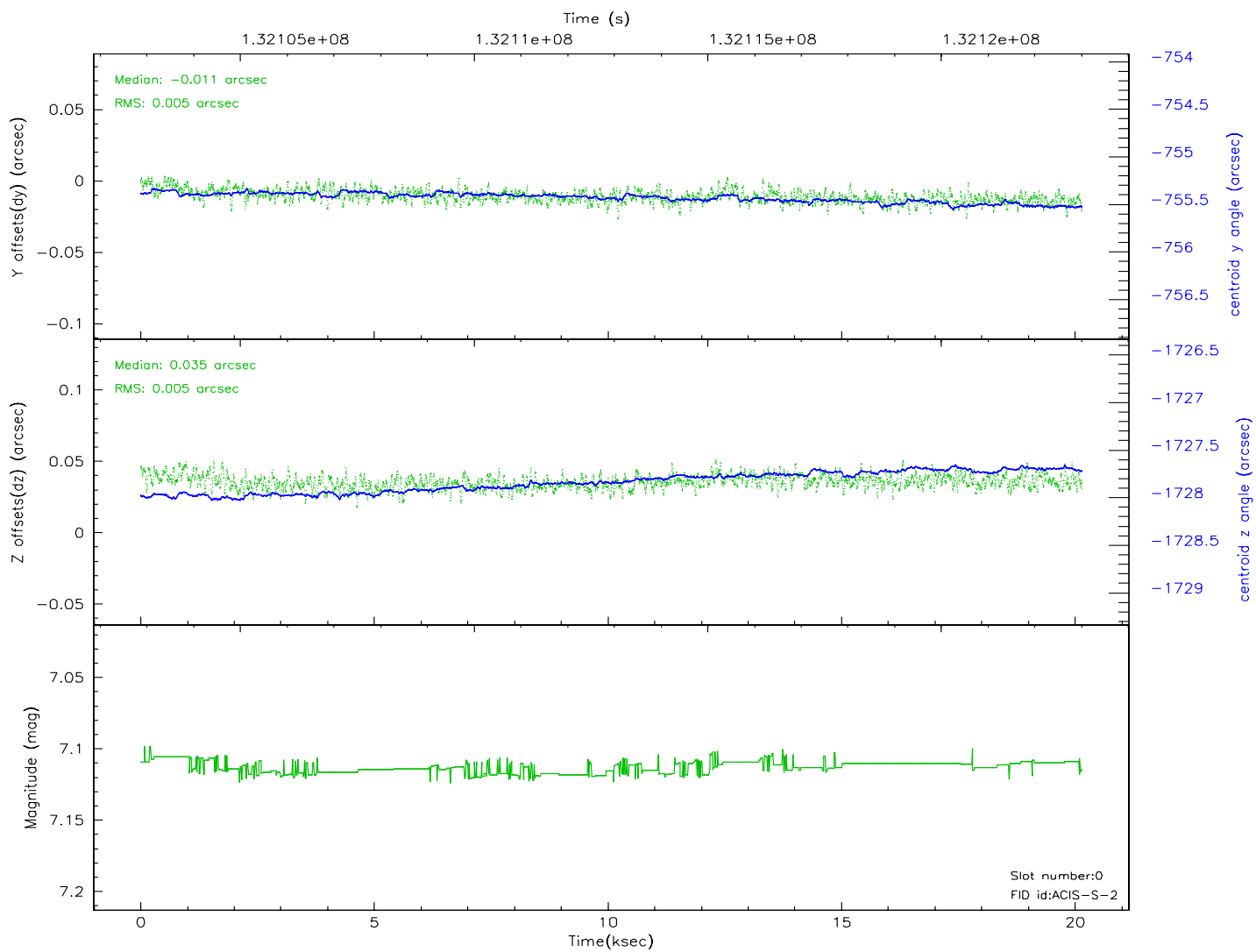
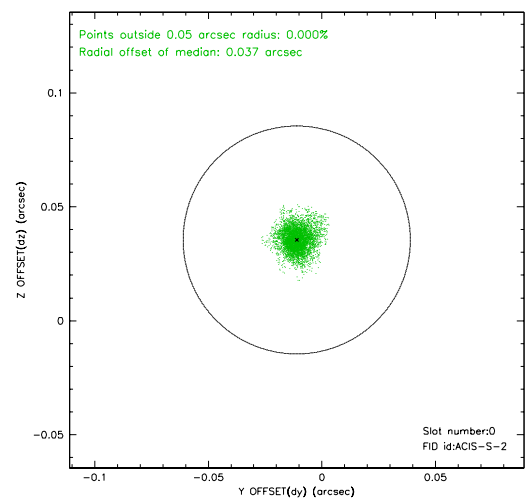
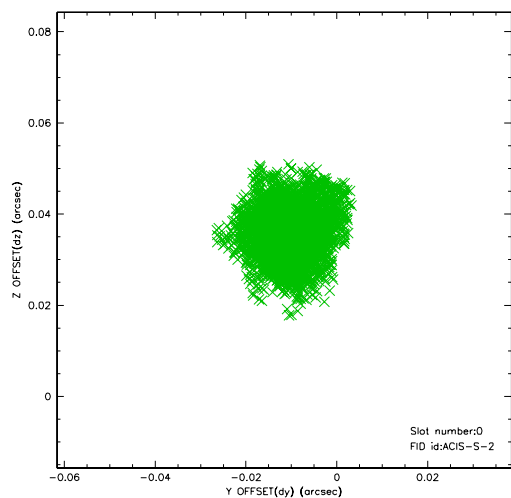


## 2.4.5 Slot 7

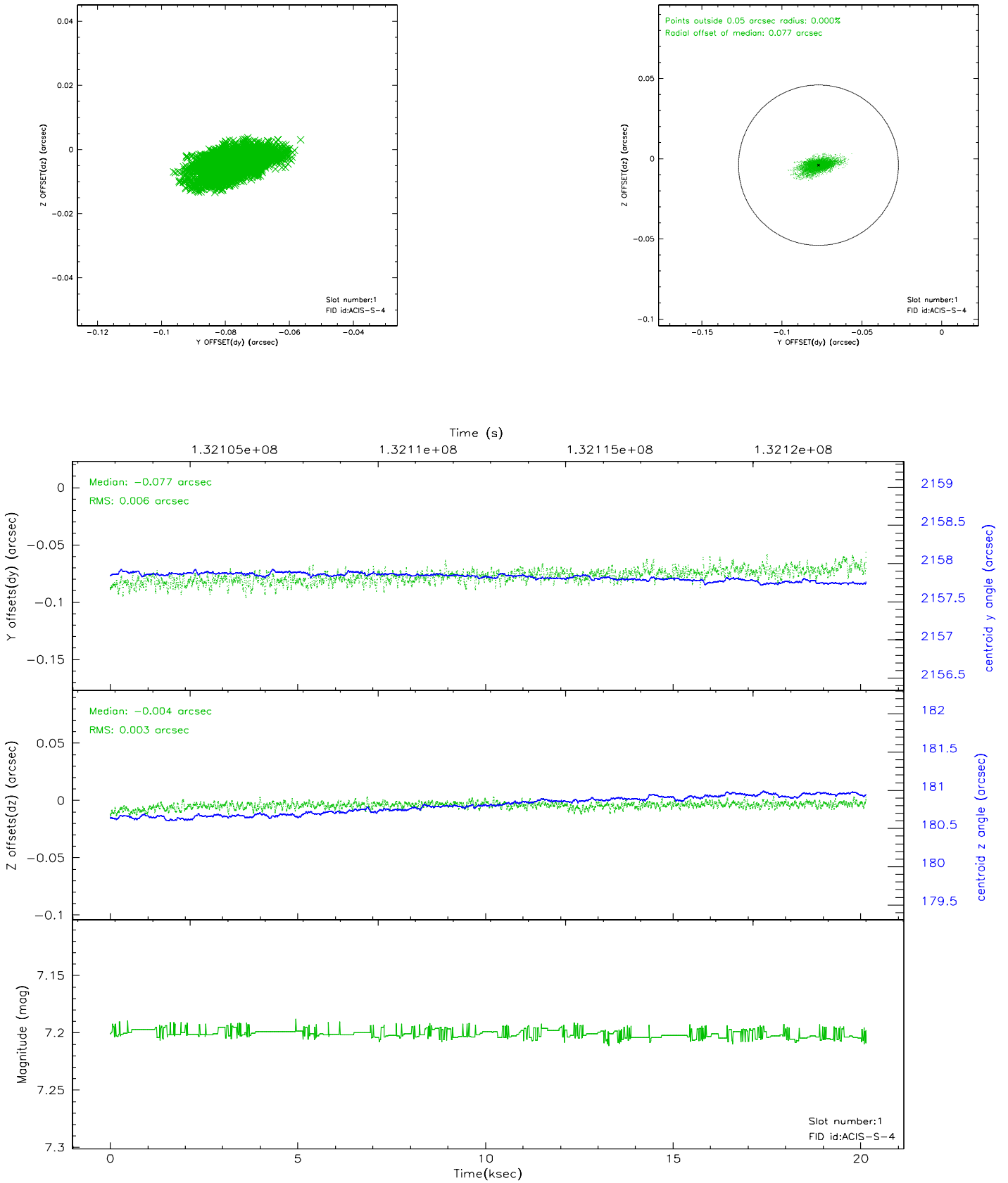


## 2.5 FID Slots

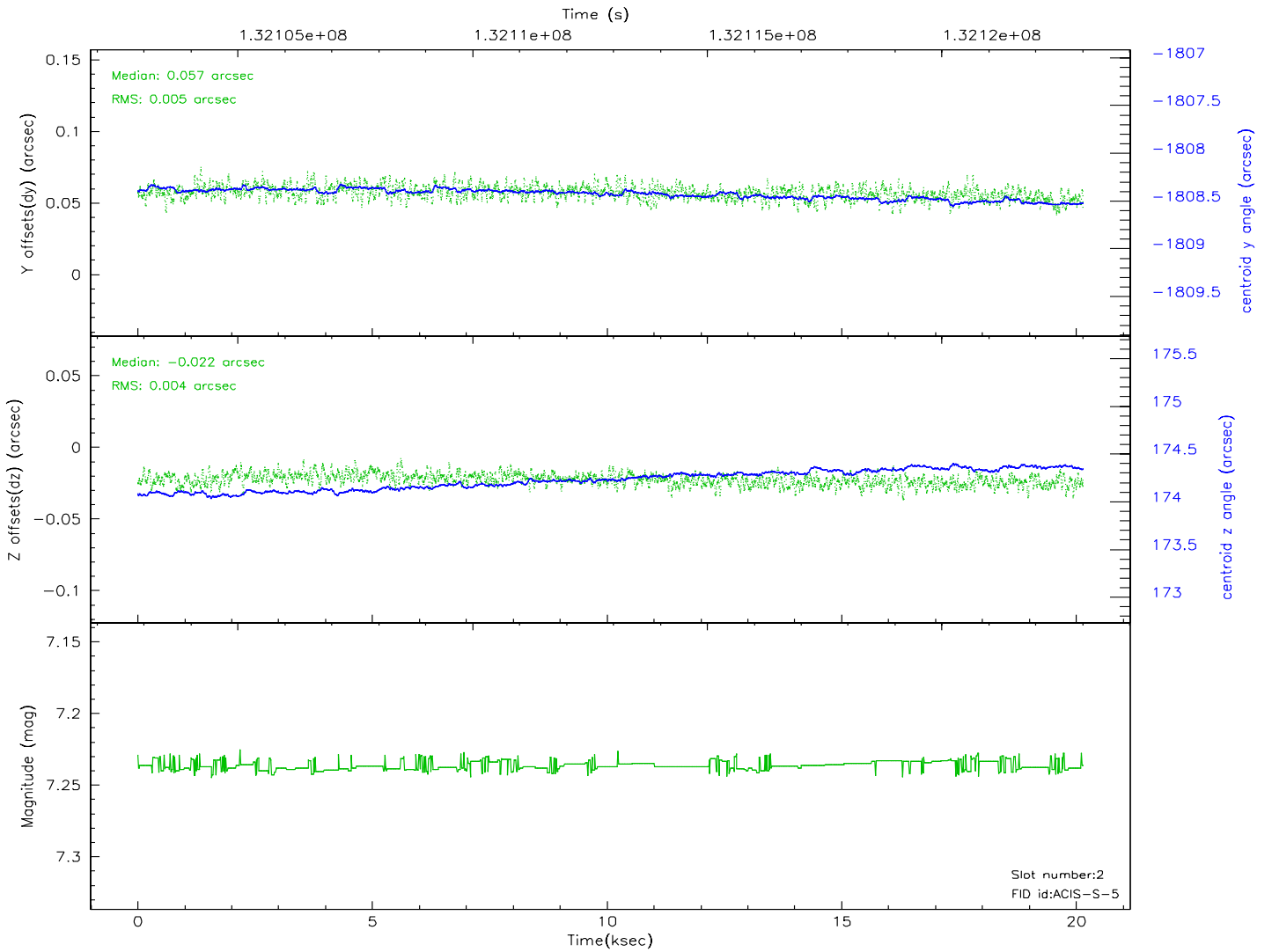
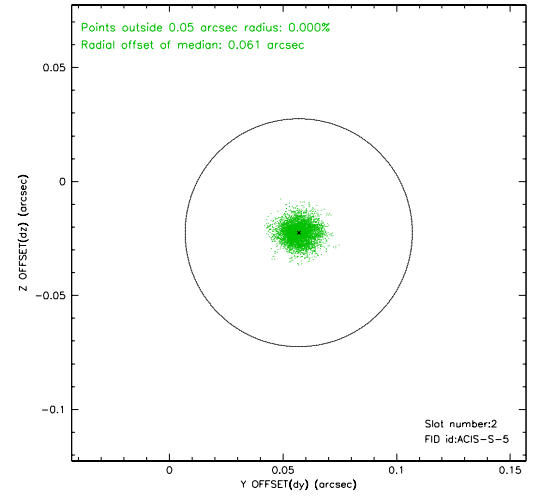
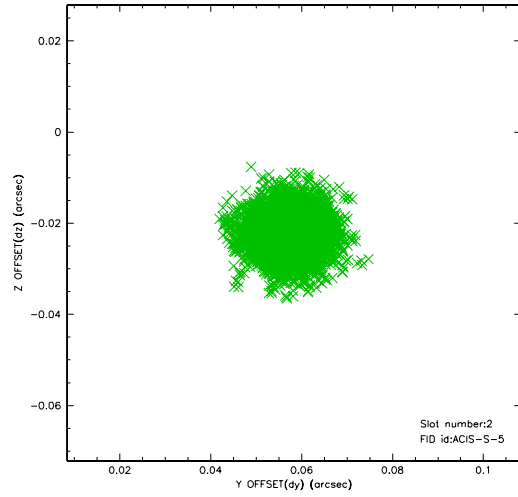
### 2.5.1 Slot 0



## 2.5.2 Slot 1

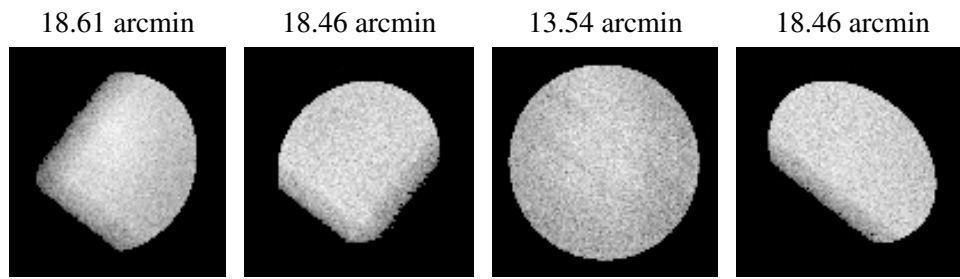


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.09.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.151

### A.2 Comments

Node boundary visable as darkened bans across chip S3 in an expected manner.