

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 827 - L2 Version 001  
Chandra X-Ray Center

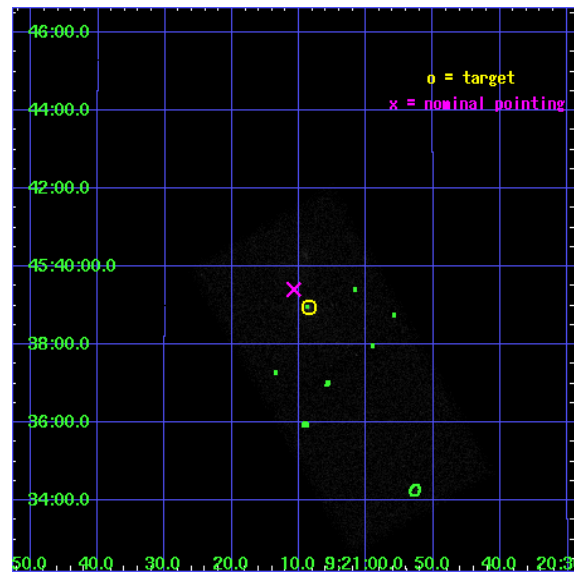
L2 Processing Date : Jun 12 2007

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# 1 Front

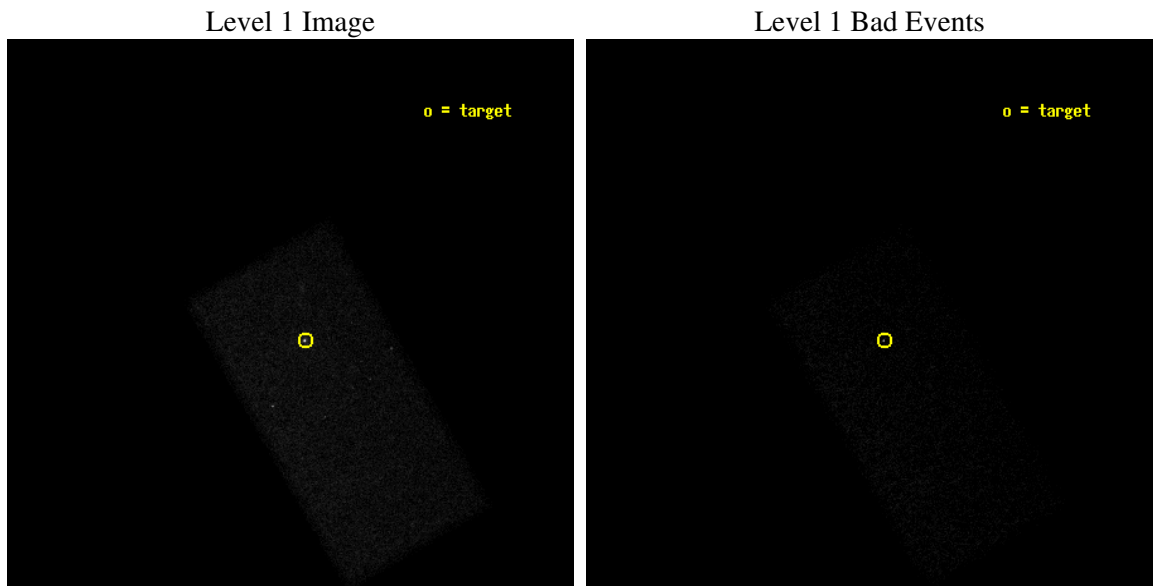
seq_num	700132
obs_id	827
title	THE X-RAY COMPLEX STRUCTURE OF THE POWERFUL RADIOGALAXY 3C 219
observer	Dr. Gianfranco Brunetti
object	3C 219
dtcycle	0
cycle	P
ra_targ	140.285833
dec_targ	45.649444
ra_nom	140.29494539486
dec_nom	45.65695834916
roll_nom	60.170029365641
revision	2
ontime	19236.635877967
livetime	18755.555869904
ontime7	19236.635877967
l2events	41243



## 2 OBI

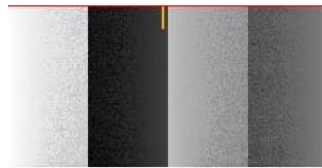
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.4.0
date	2007-06-12T06:58:14
revision	2

sched_exp_time	18500.000000
ontime	19236.635877967
ontime7	19236.635877967
l1events	84088

### 2.1.4 Events

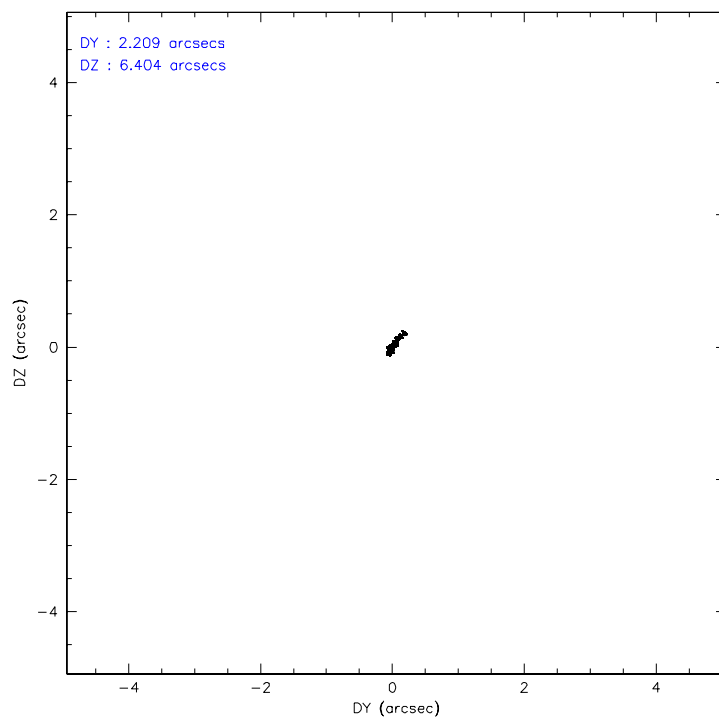
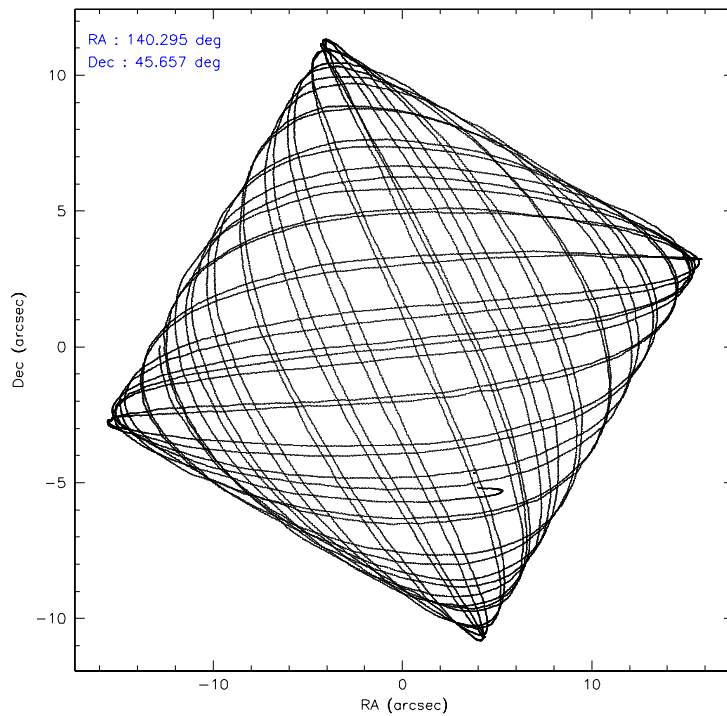
	<b>ccd 7</b>
level 1 events	84088
rejected events	41885
rejected %	49%

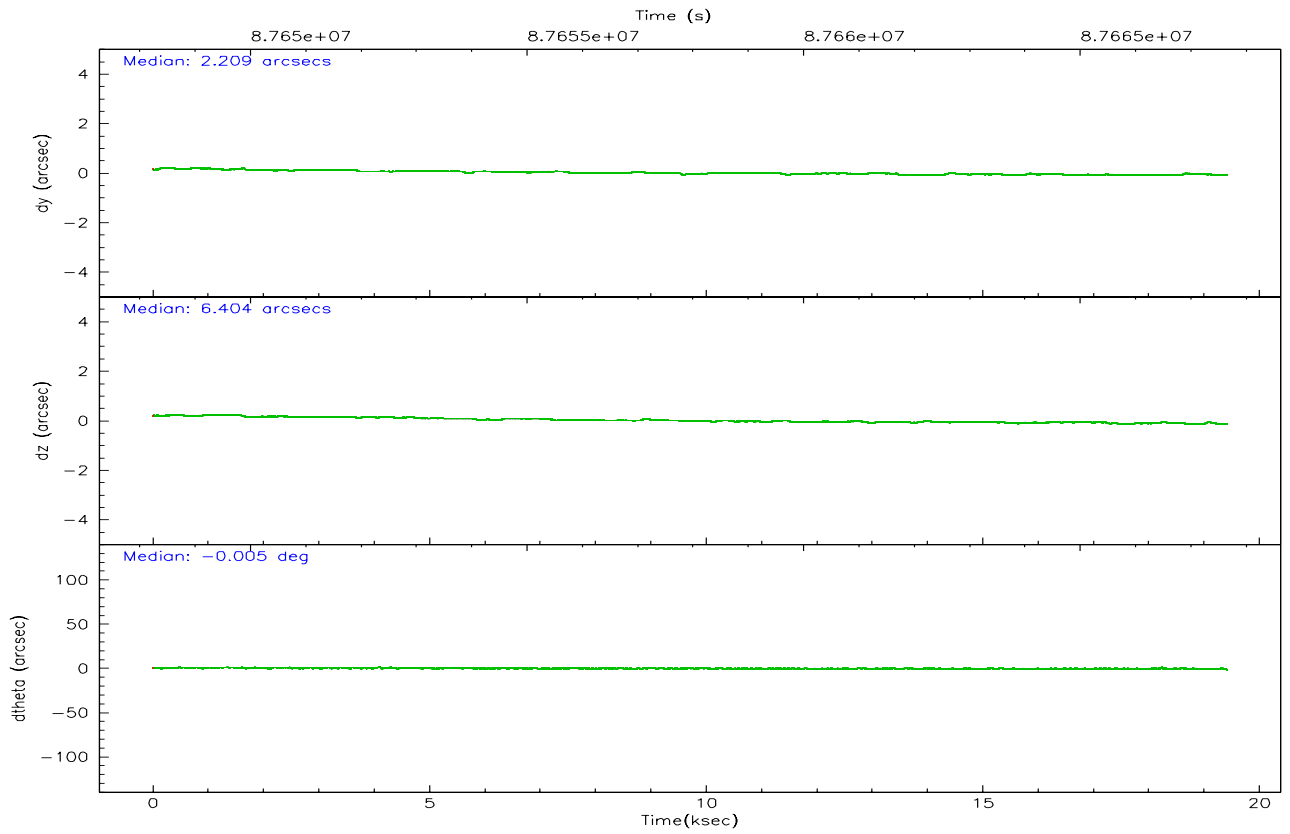
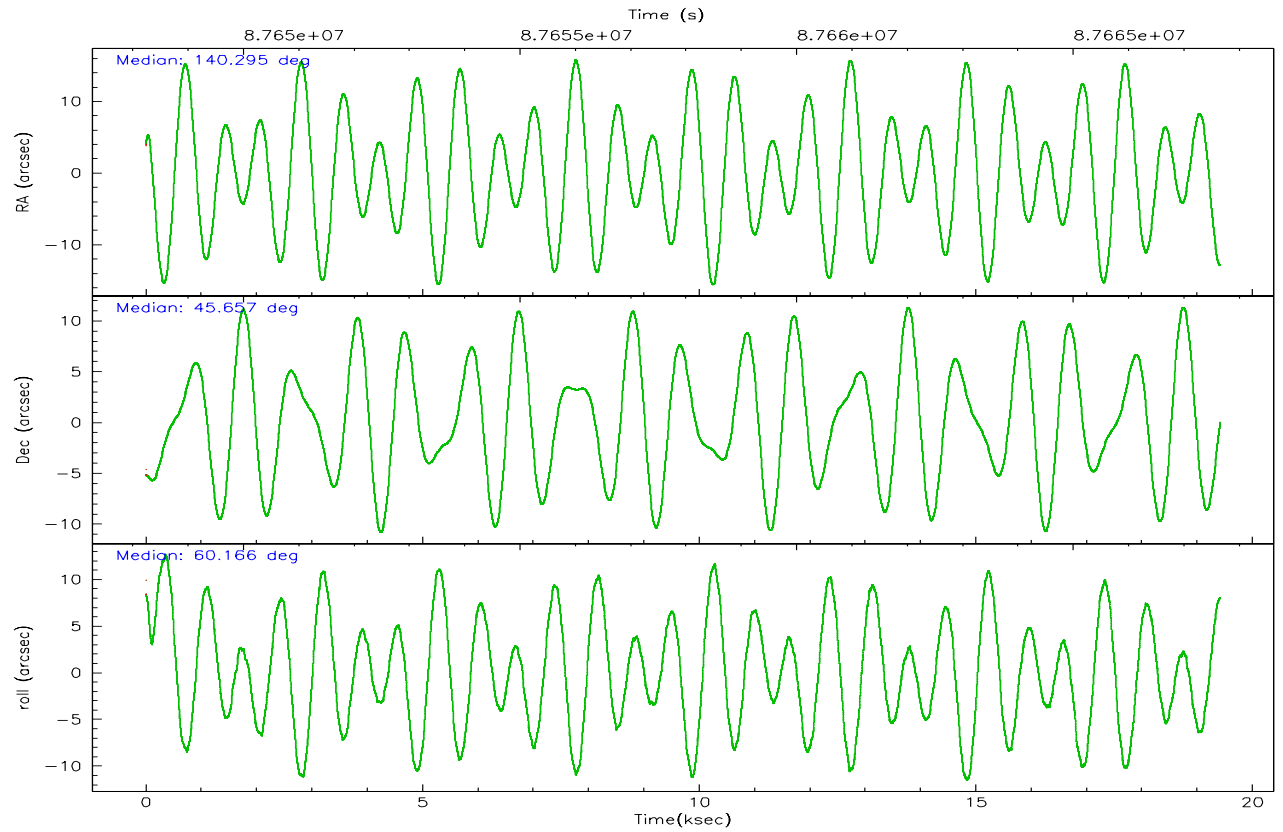
	<b>ccd 7</b>
grade 0 events	6028
	7%
grade 1 events	136
	0%
grade 2 events	8789
	10%
grade 3 events	4306
	5%
grade 4 events	4223
	5%
grade 5 events	7425
	8%
grade 6 events	18864
	22%
grade 7 events	34317
	40%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	140.295350	140.2949453948628	Subarray requested	CUSTOM	1/2
Pointing Dec	45.629637	45.65695834915958	Subarray start row	256	256
Pointing Roll	60.013116	60.17002936564057	Subarray row count	512	512
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	0.000000	1.6
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	87649158.184000	87647837.570628			
Observation start date	2000-10-11T10:58:14	2000-10-11T10:37:17			
Observation end time	87667658.184000	87667996.758889			
Observation end date	2000-10-11T16:06:34	2000-10-11T16:13:16			
Read mode	TIMED	TIMED			

## 2.3 Aspect





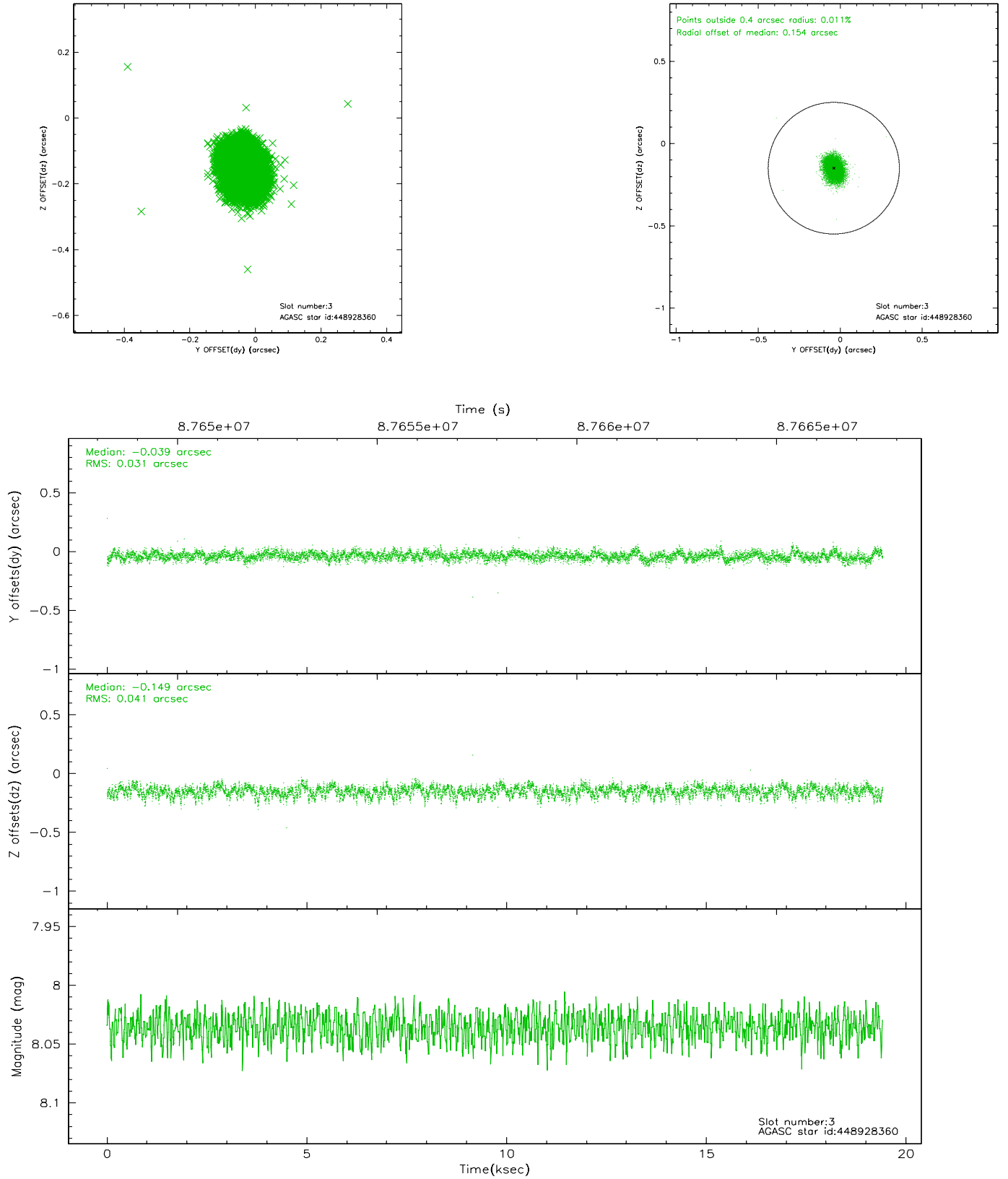
### Slot Statistics

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	4731	-0.026	0.021	0.007	0.011	0.000000	0.000000	-754.86	-1727.51
1	FID	ACIS-S-4	7.20	4726	-0.061	0.007	0.005	0.010	0.000000	0.000000	2158.27	180.77
2	FID	ACIS-S-5	7.23	4732	0.055	-0.019	0.007	0.011	0.000000	0.000000	-1807.38	174.61
3	GUIDE	448928360	8.03	9462	-0.039	-0.149	0.054	0.089	140.281457	45.866986	722.67	457.52
4	GUIDE	392829712	8.99	9461	0.170	0.159	0.064	0.105	140.455655	44.898437	-2075.03	-1669.13
5	GUIDE	448930216	9.01	9458	-0.115	0.106	0.071	0.118	141.088326	45.654108	1081.98	-1678.92
6	GUIDE	448927896	9.33	9458	-0.152	0.036	0.083	0.135	140.809040	46.107191	2133.48	-248.80
7	GUIDE	448934152	9.18	9455	0.137	-0.149	0.073	0.118	139.901788	45.321134	-1457.35	309.13

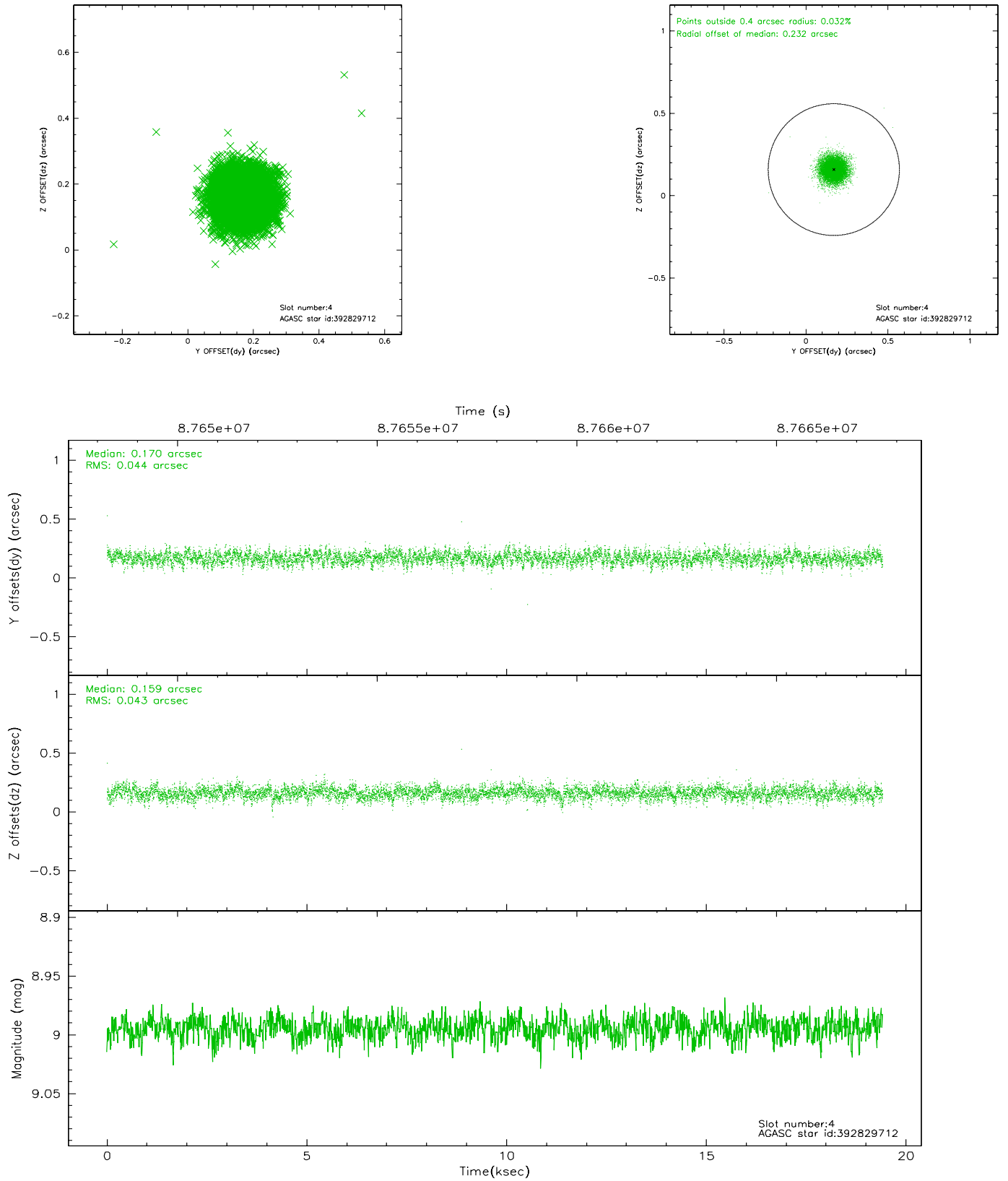


## 2.4 Star Slots

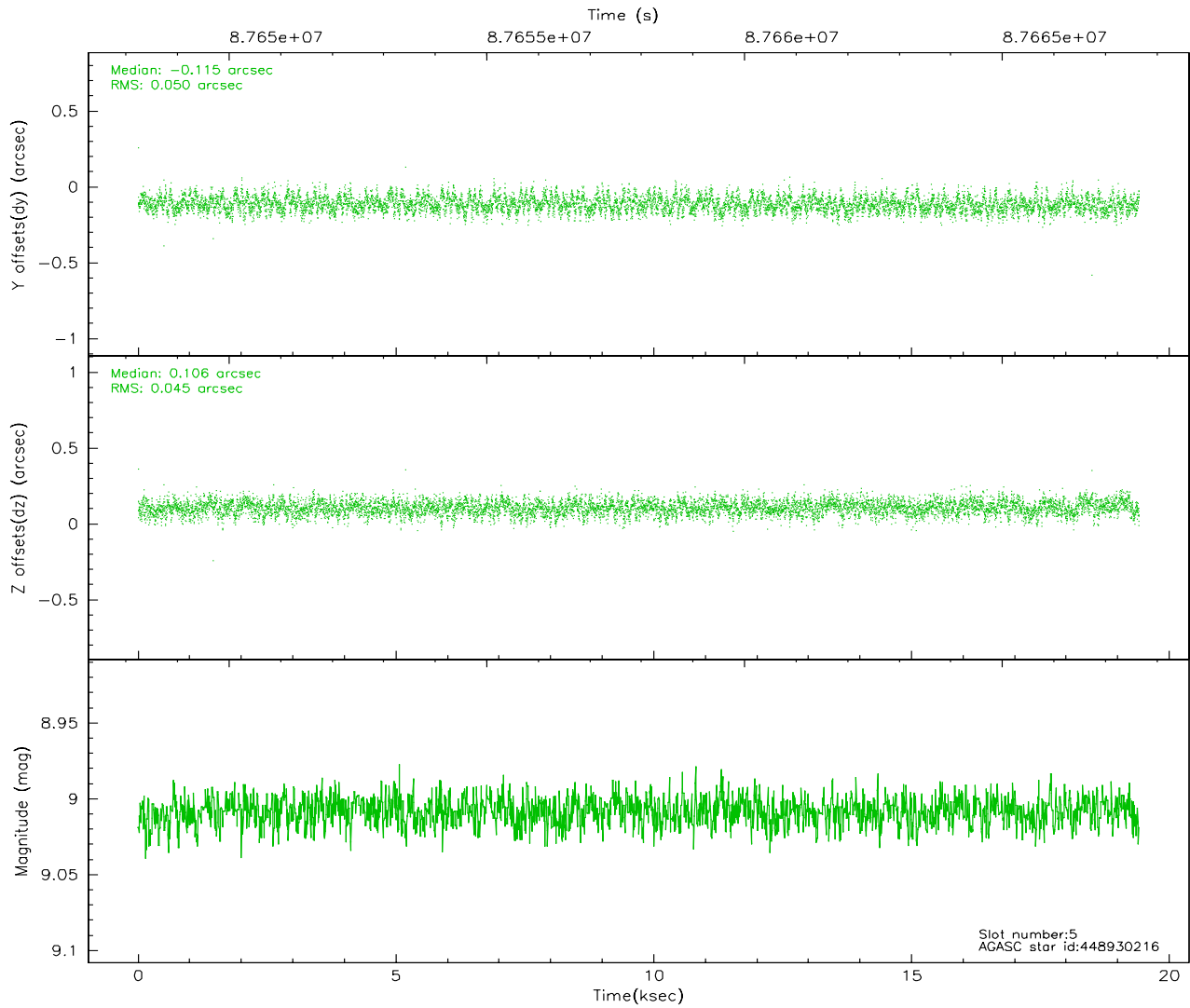
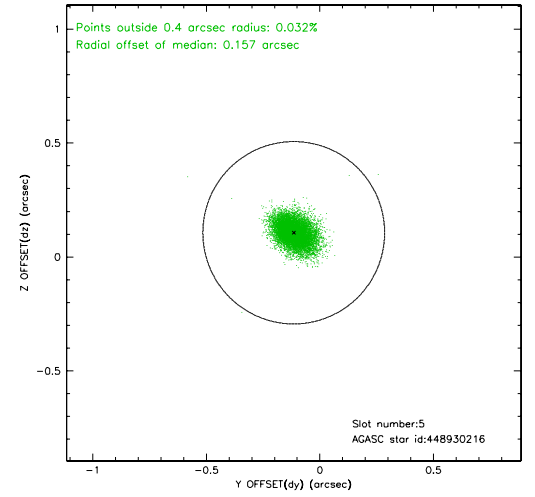
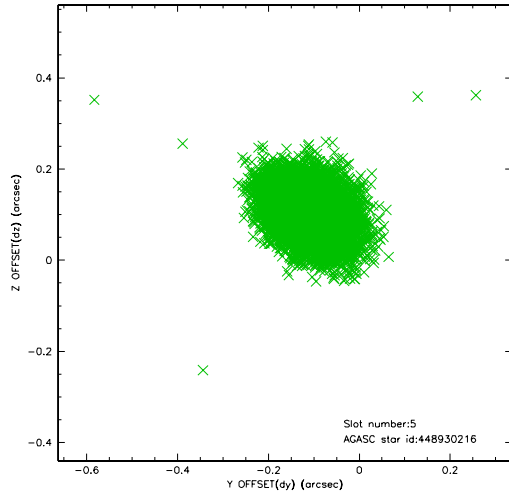
### 2.4.1 Slot 3



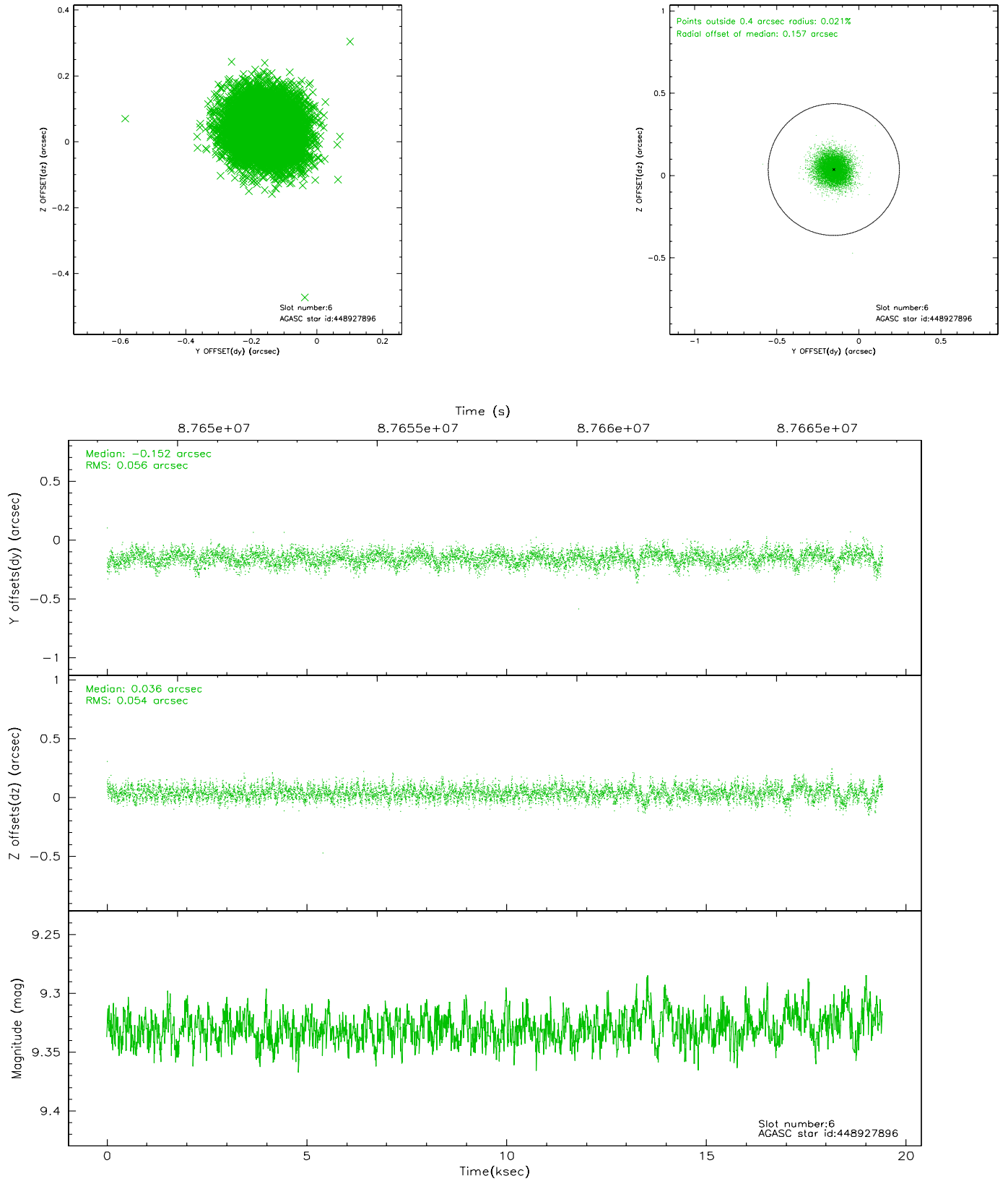
## 2.4.2 Slot 4



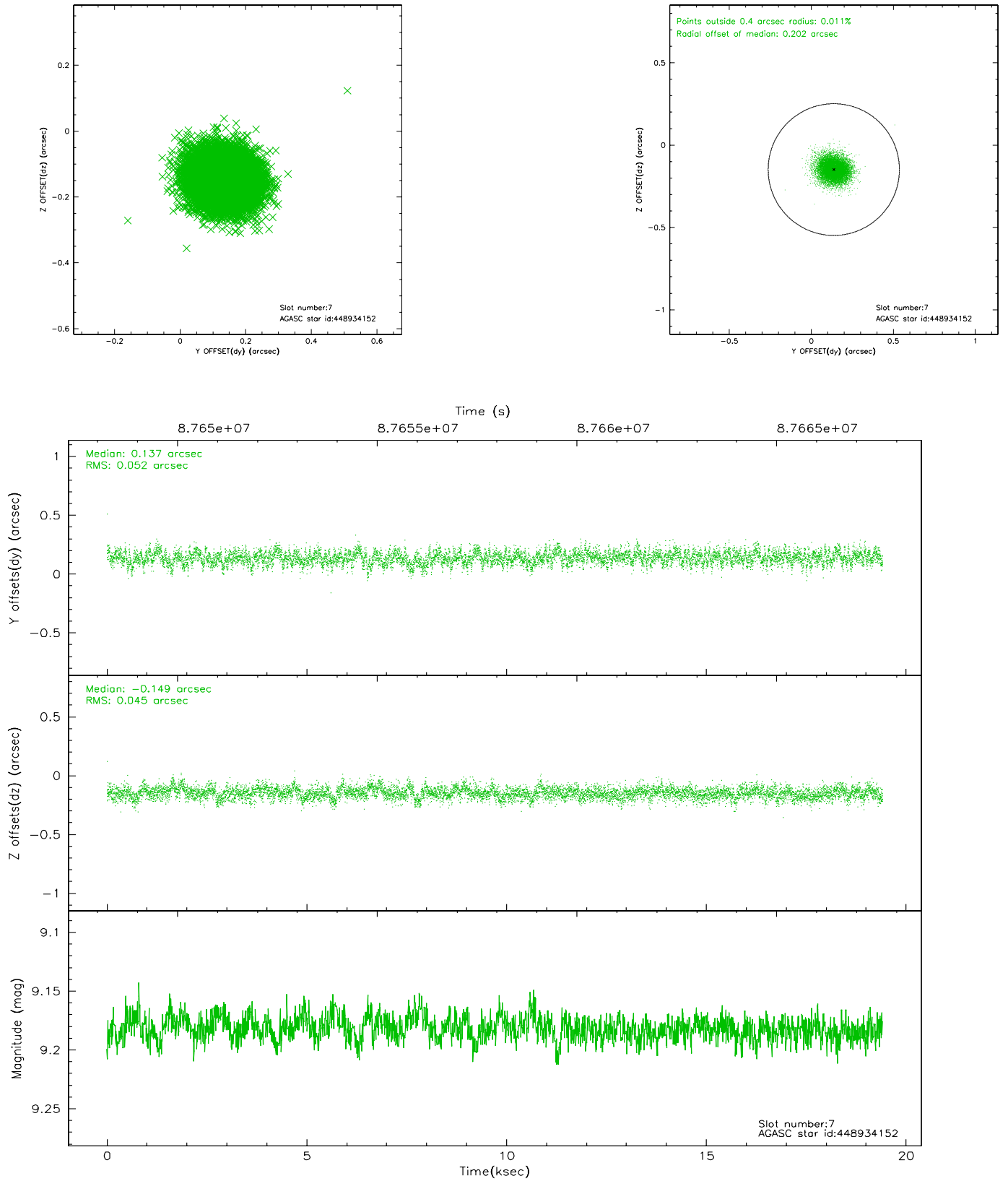
### 2.4.3 Slot 5



## 2.4.4 Slot 6

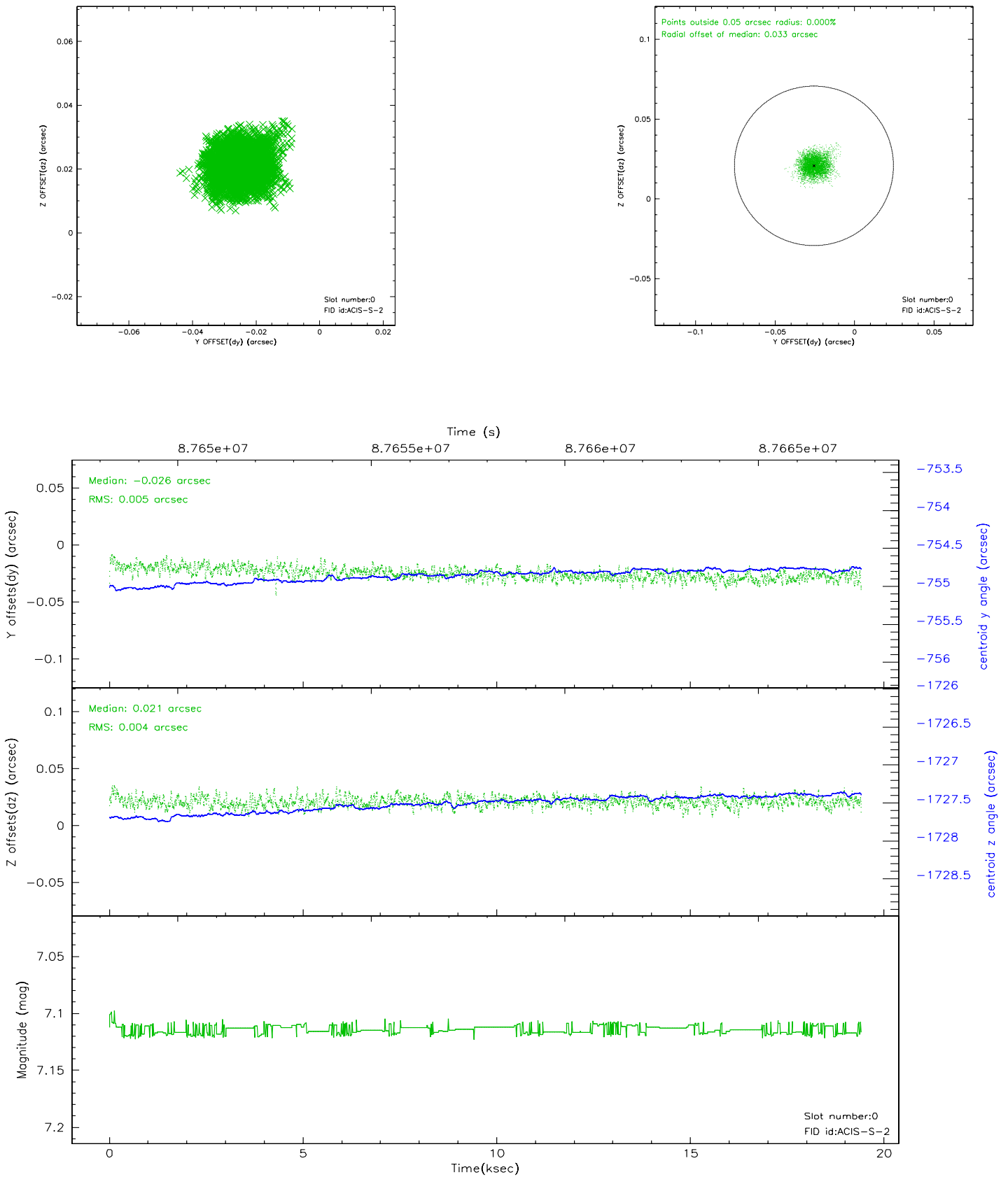


## 2.4.5 Slot 7

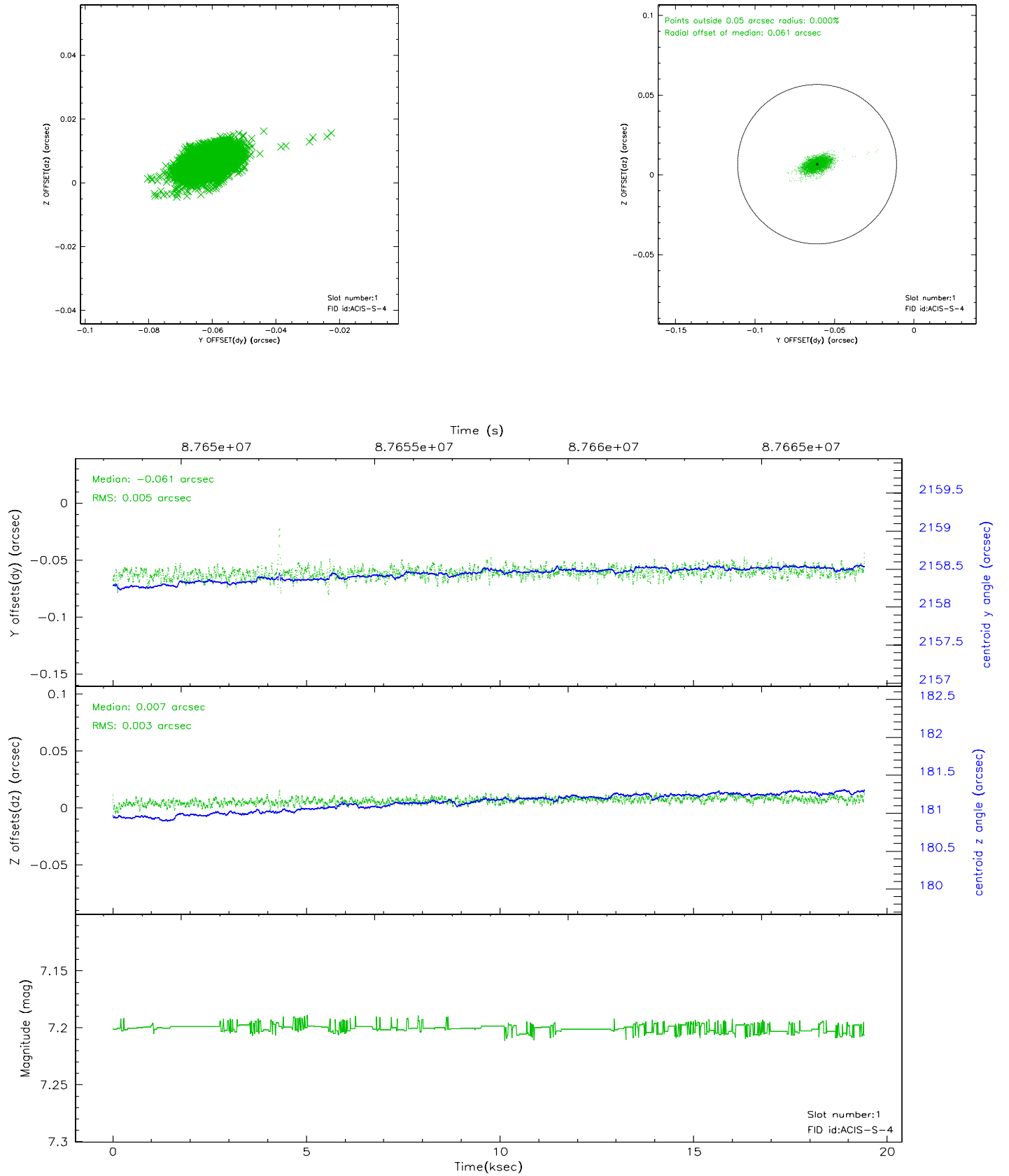


## 2.5 FID Slots

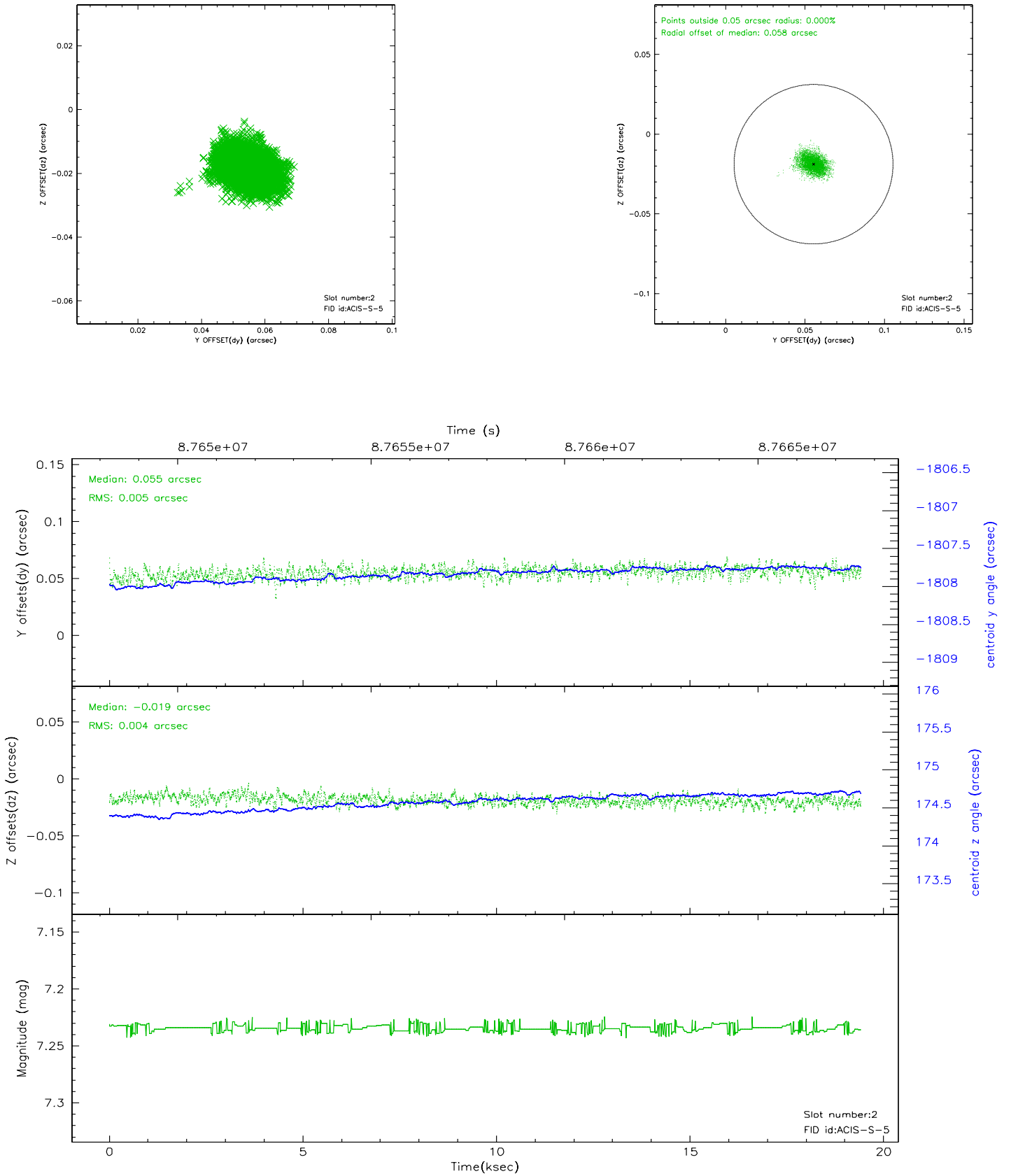
### 2.5.1 Slot 0



## 2.5.2 Slot 1

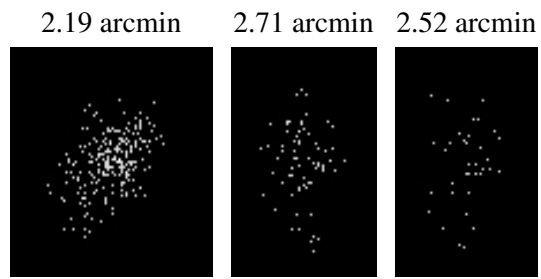


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.236

### A.2 Comments