

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 443 - L2 Version 001  
Chandra X-Ray Center

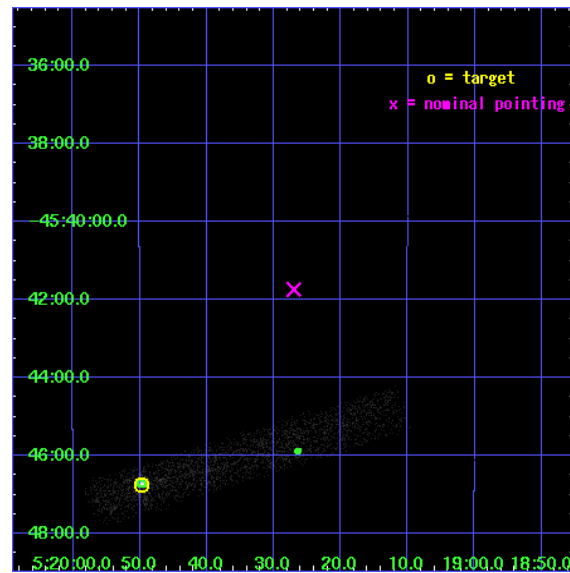
L2 Processing Date : May 30 2007

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# 1 Front

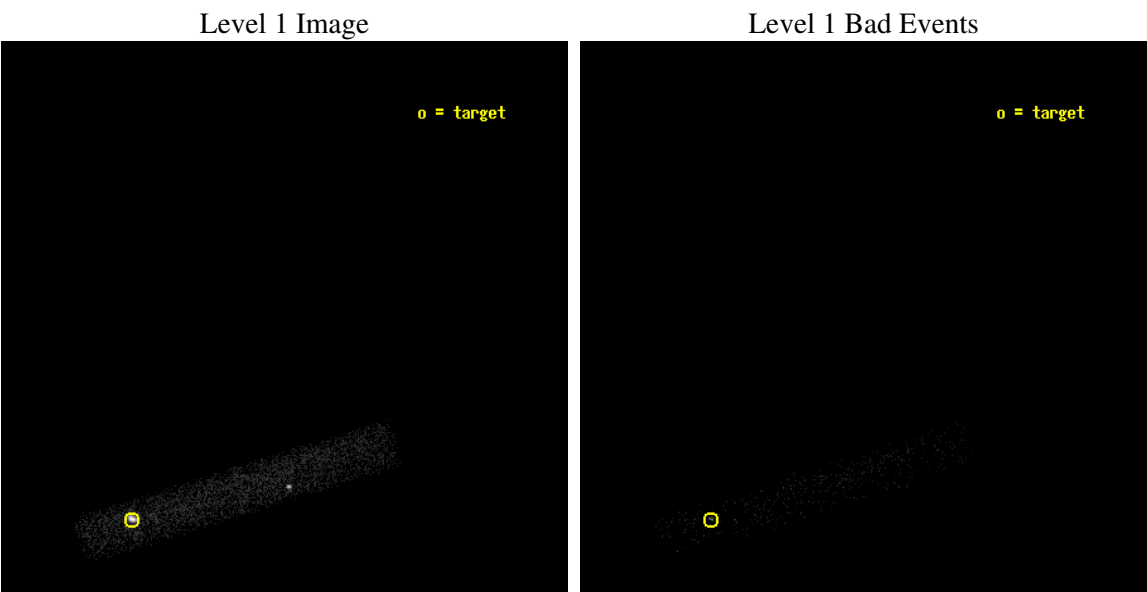
seq_num	700018
obs_id	443
title	STUDIES OF RADIO JETS AND THE NARROW LINE REGIONS
observer	Professor Andrew Wilson
object	PICTOR A
dtcycle	0
cycle	P
ra_targ	79.957083
dec_targ	-45.779167
ra_nom	79.862575636775
dec_nom	-45.695758337405
roll_nom	162.9037278466
revision	4
ontime	5577.6000831127
livetime	5058.5888655113
ontime7	5577.6000831127
l2events	8502



# 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	2007-05-30T14:47:49
revision	4

sched_exp_time	4902.052000
ontime	5577.6000831127
ontime7	5577.6000831127
l1events	12054

### 2.1.4 Events

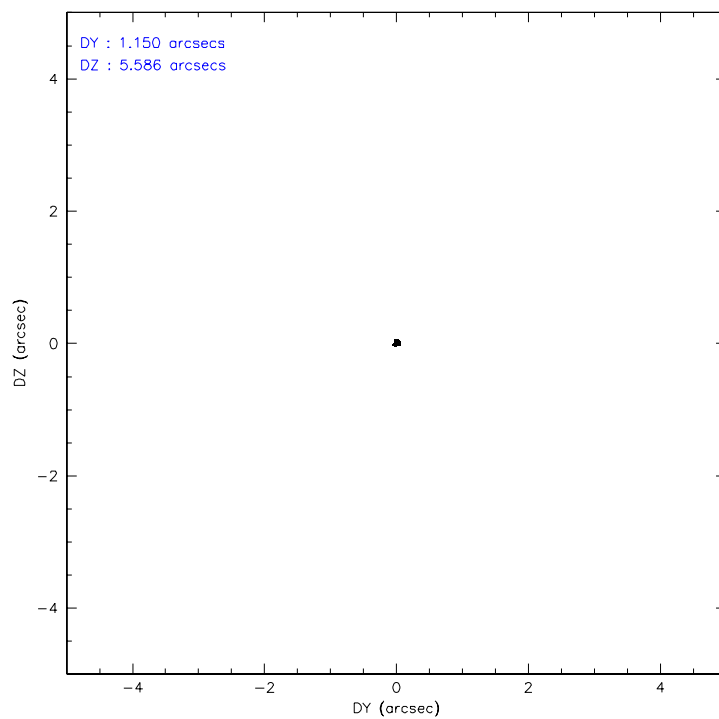
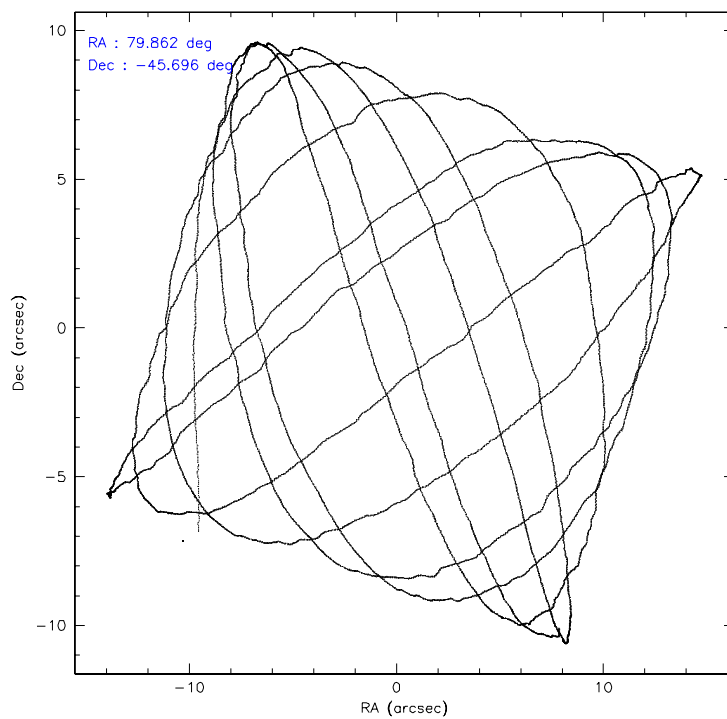
	<b>ccd 7</b>
level 1 events	12054
rejected events	3426
rejected %	28%

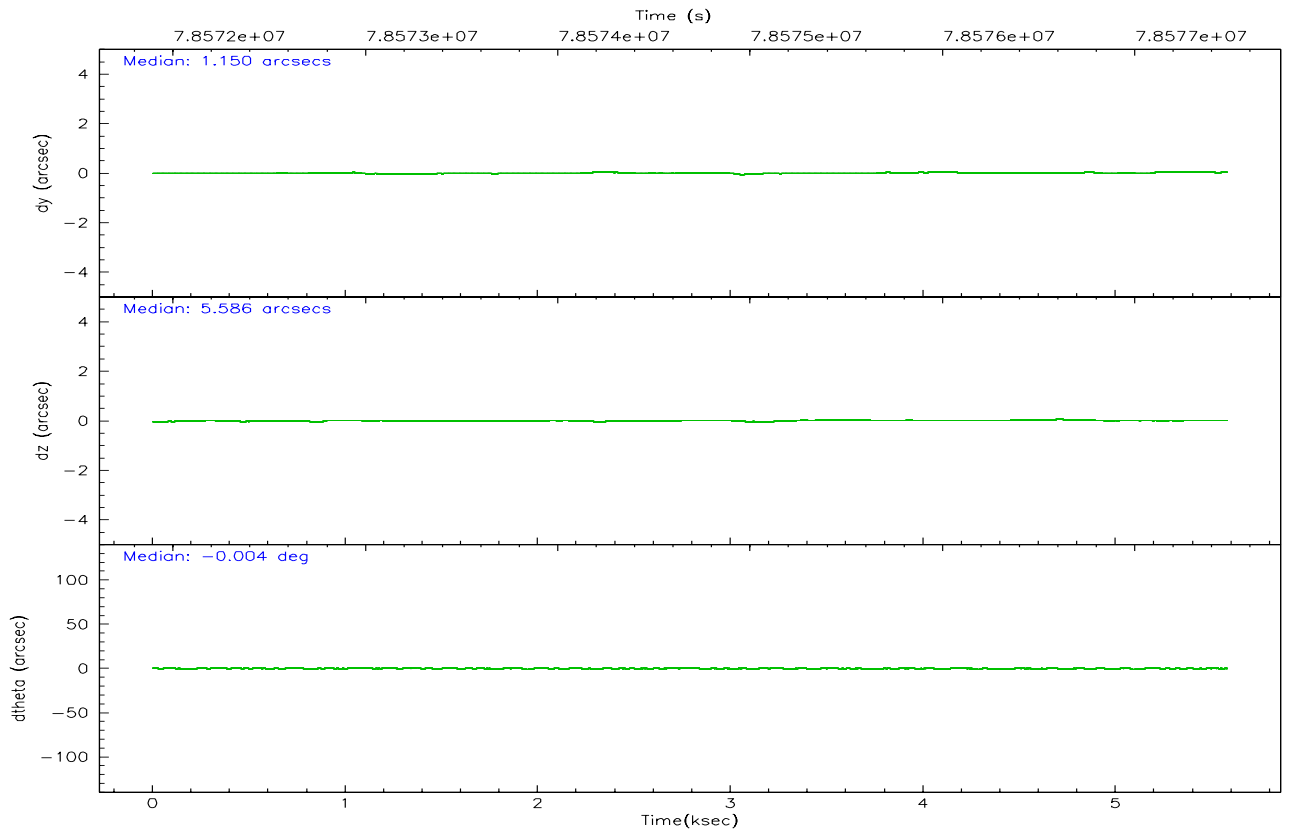
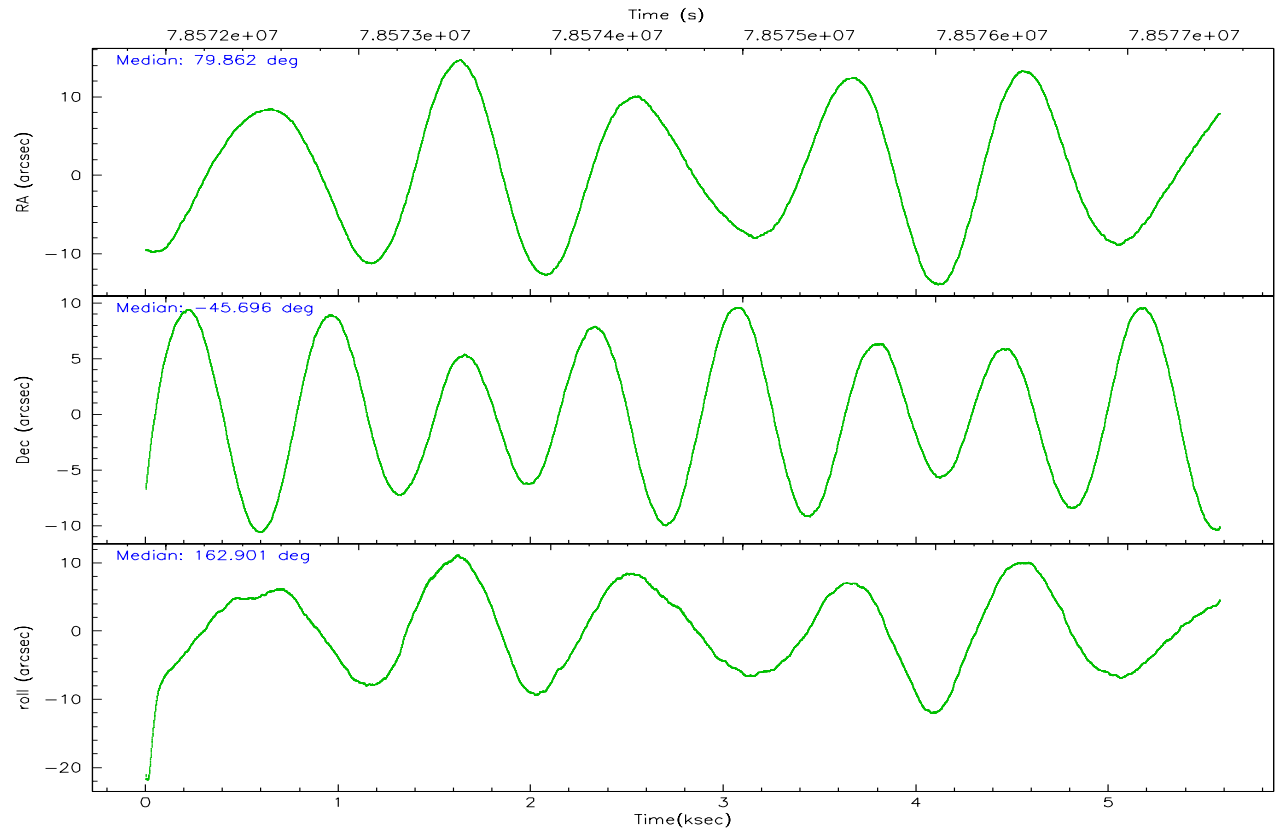
	<b>ccd 7</b>
grade 0 events	2083
	17%
grade 1 events	13
	0%
grade 2 events	2059
	17%
grade 3 events	1060
	8%
grade 4 events	1074
	8%
grade 5 events	543
	4%
grade 6 events	2555
	21%
grade 7 events	2667
	22%

## 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	79.900862	79.86257563677515	Subarray requested	CUSTOM	1/8
Pointing Dec	-45.689540	-45.69575833740512	Subarray start row	1	1
Pointing Roll	162.774533	162.9037278466006	Subarray row count	128	128
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	0.000000	0.4
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	78572581.184000	78571377.15643799			
Observation start date	2000-06-28T09:41:57	2000-06-28T09:22:57			
Observation end time	78577483.184000	78577792.63167401			
Observation end date	2000-06-28T11:03:39	2000-06-28T11:09:52			
Read mode	TIMED	TIMED			

## 2.3 Aspect



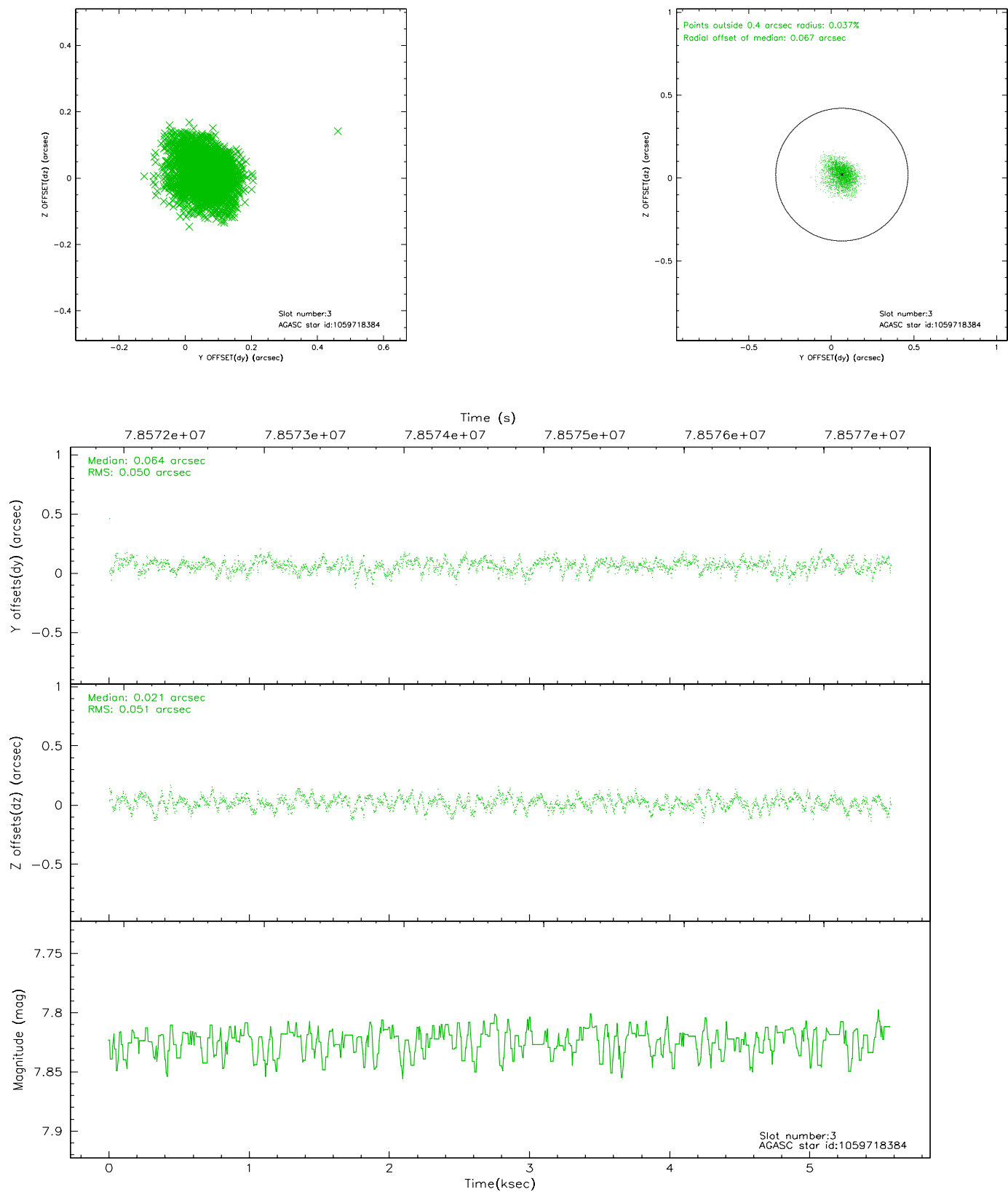


Slot Statistics

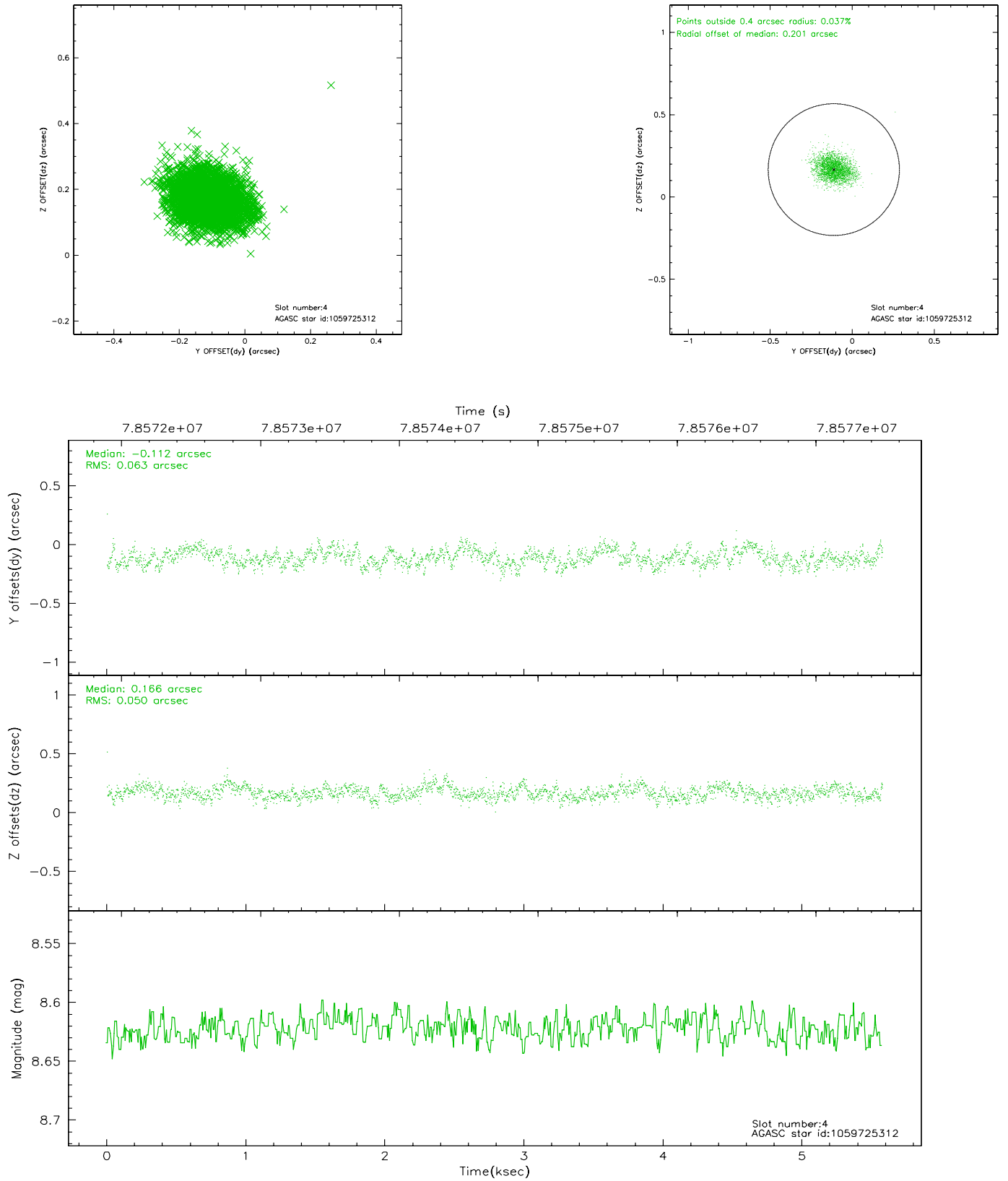
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1361	-0.025	0.035	0.006	0.010	0.000000	0.000000	-753.76	-1726.68
1	FID	ACIS-S-4	7.21	1361	-0.053	0.003	0.005	0.008	0.000000	0.000000	2159.00	180.67
2	FID	ACIS-S-5	7.23	1359	0.047	-0.029	0.006	0.010	0.000000	0.000000	-1805.15	175.52
3	GUIDE	1059718384	7.82	2722	0.064	0.021	0.076	0.125	80.663676	-45.411103	-1547.35	-1519.89
4	GUIDE	1059725312	8.62	2719	-0.112	0.166	0.085	0.138	79.636160	-45.090752	1279.83	-1859.25
5	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
6	GUIDE	1059722336	9.40	2722	-0.055	-0.085	0.083	0.139	79.112656	-45.685912	1894.44	582.97
7	GUIDE	1059720952	9.29	2719	0.101	-0.103	0.116	0.183	80.539931	-46.279907	-2149.60	1565.00

## 2.4 Star Slots

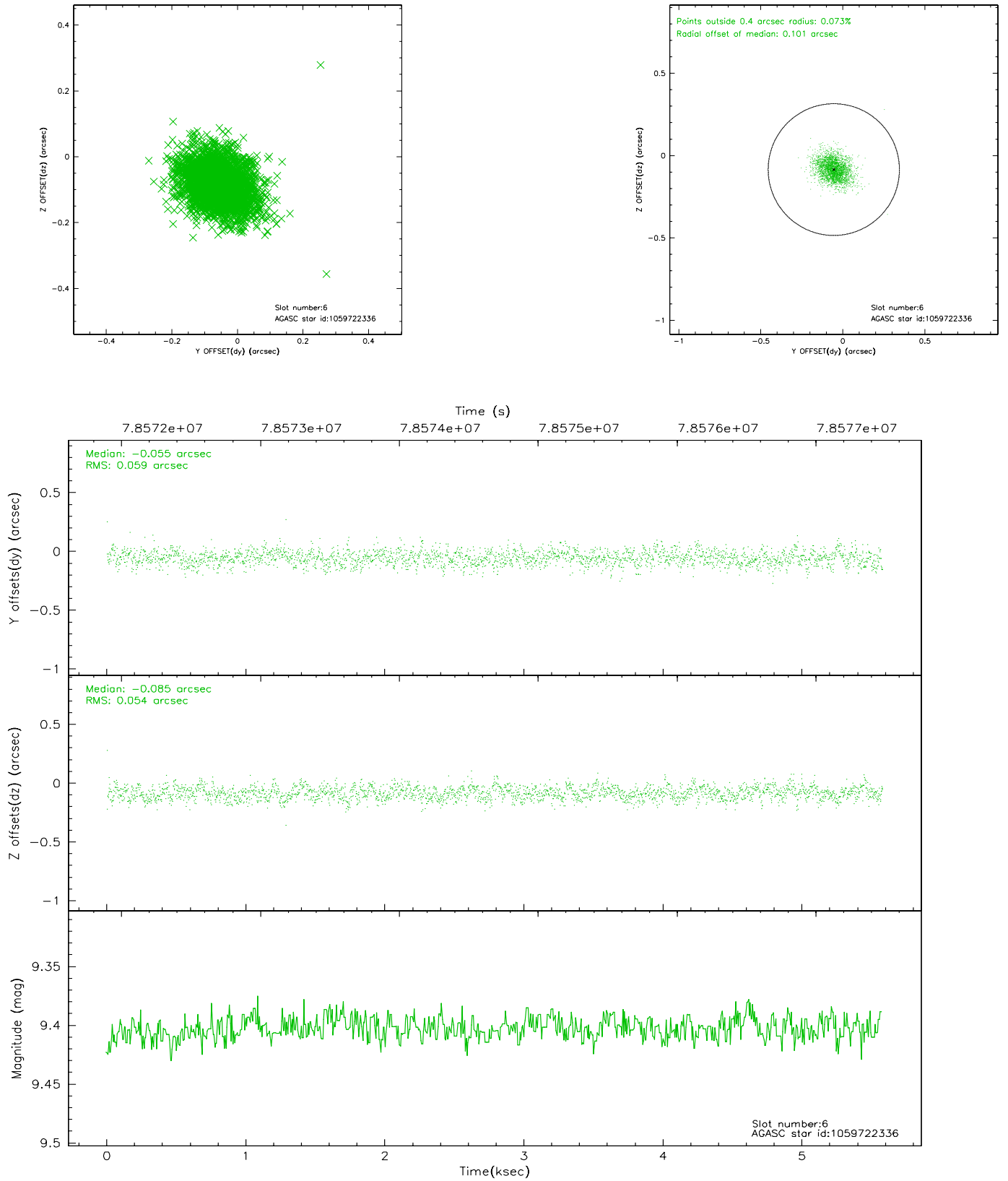
### 2.4.1 Slot 3



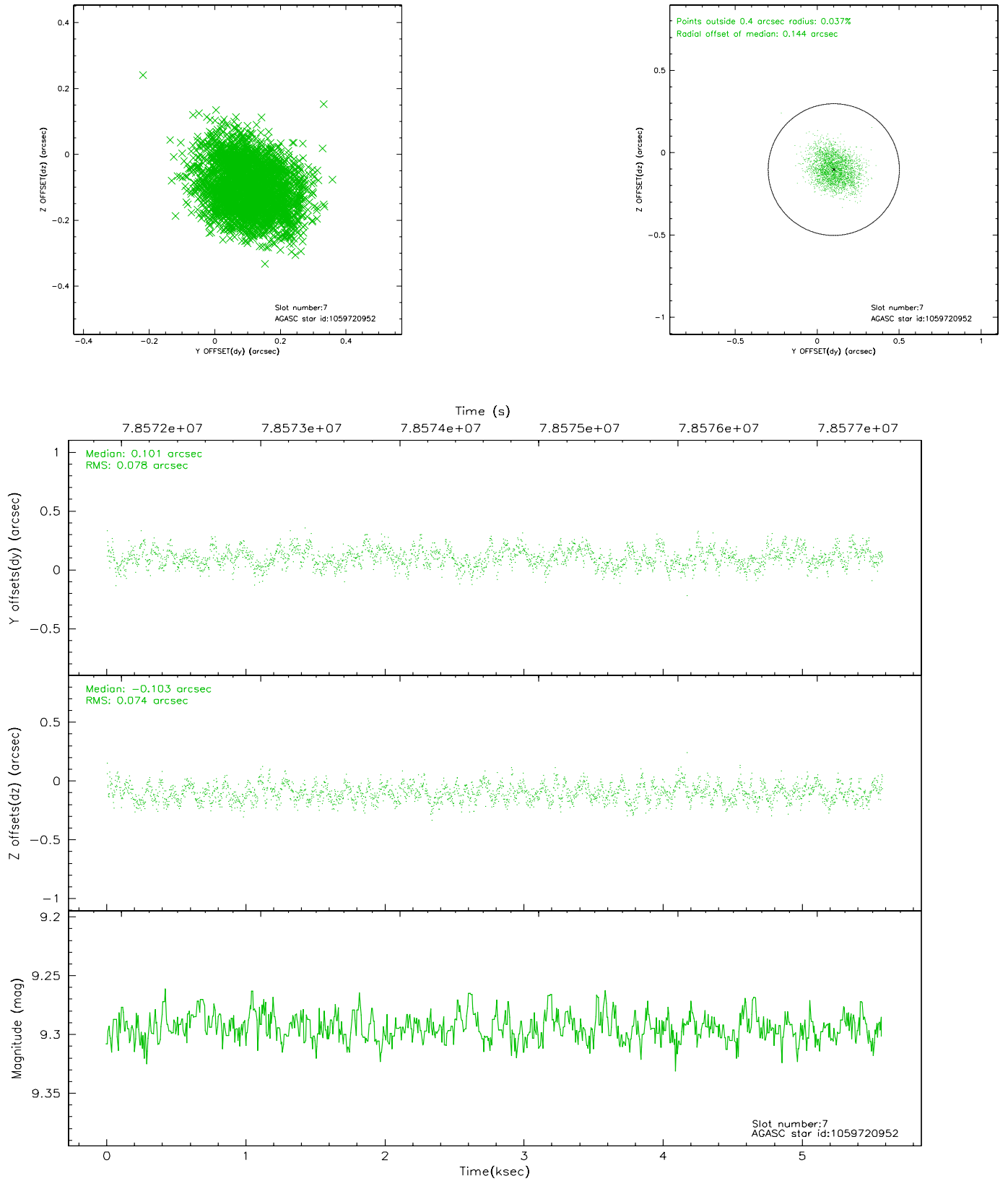
## 2.4.2 Slot 4



### 2.4.3 Slot 6

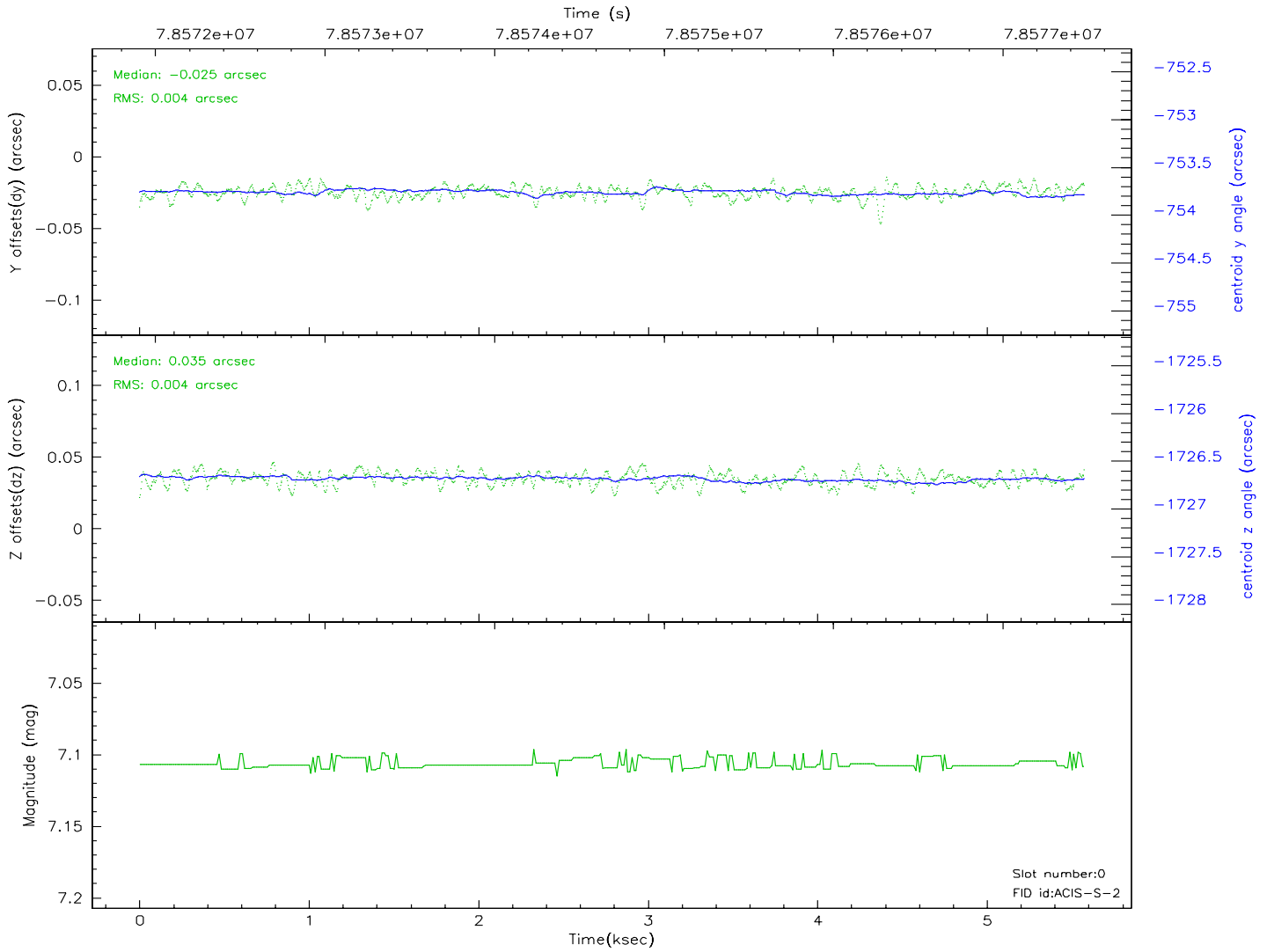
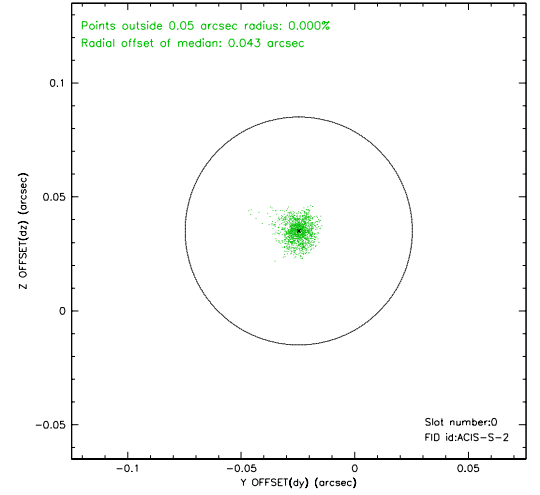
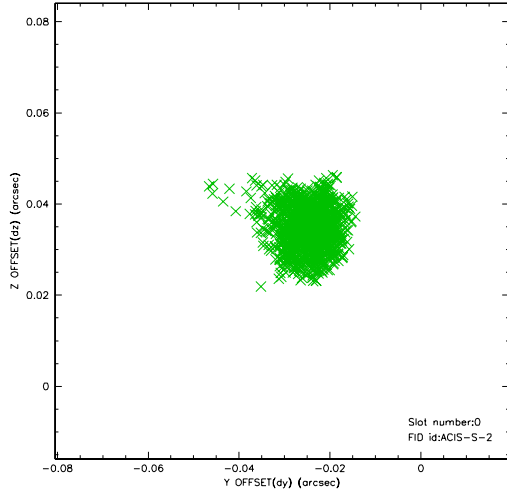


## 2.4.4 Slot 7

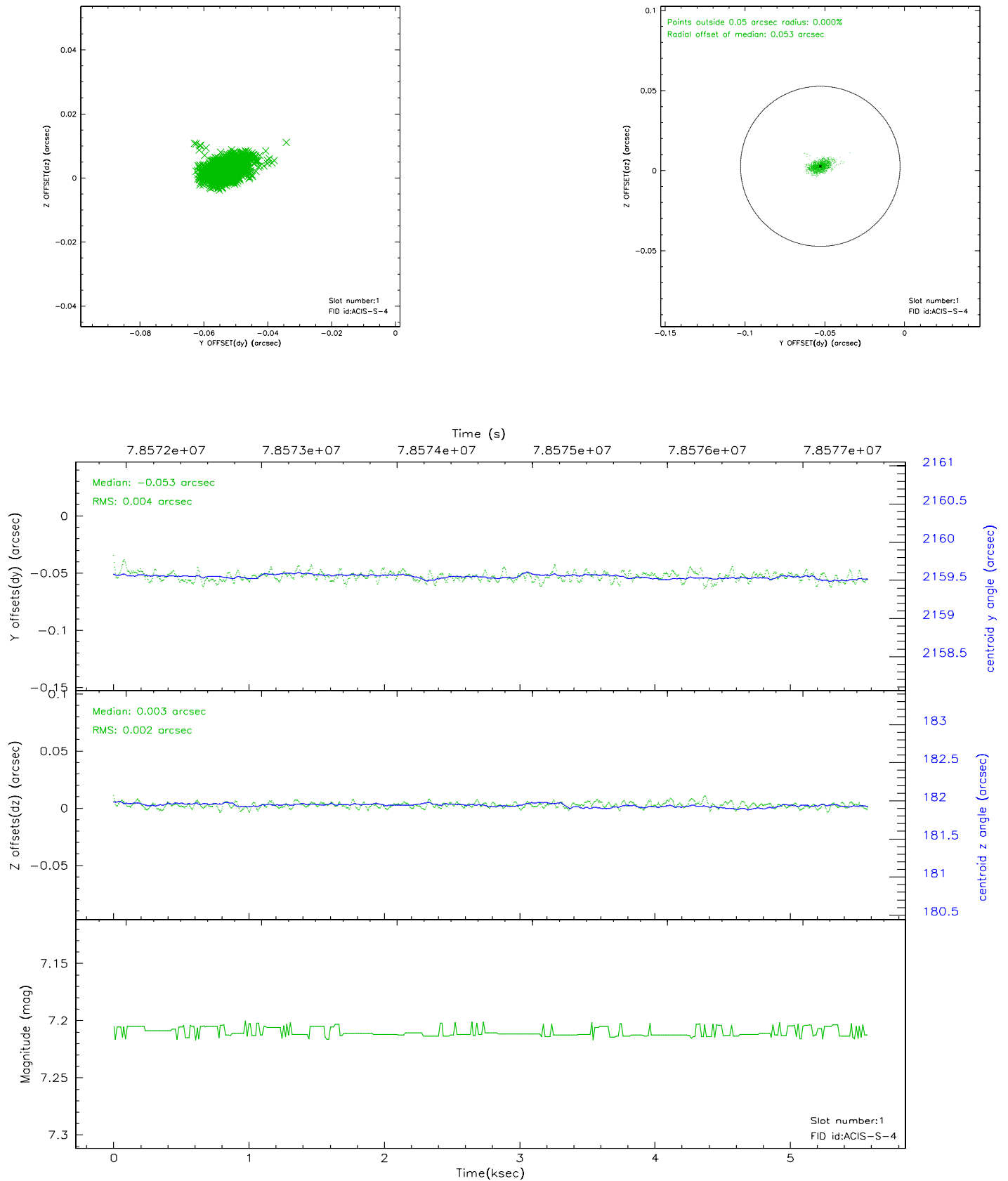


## 2.5 FID Slots

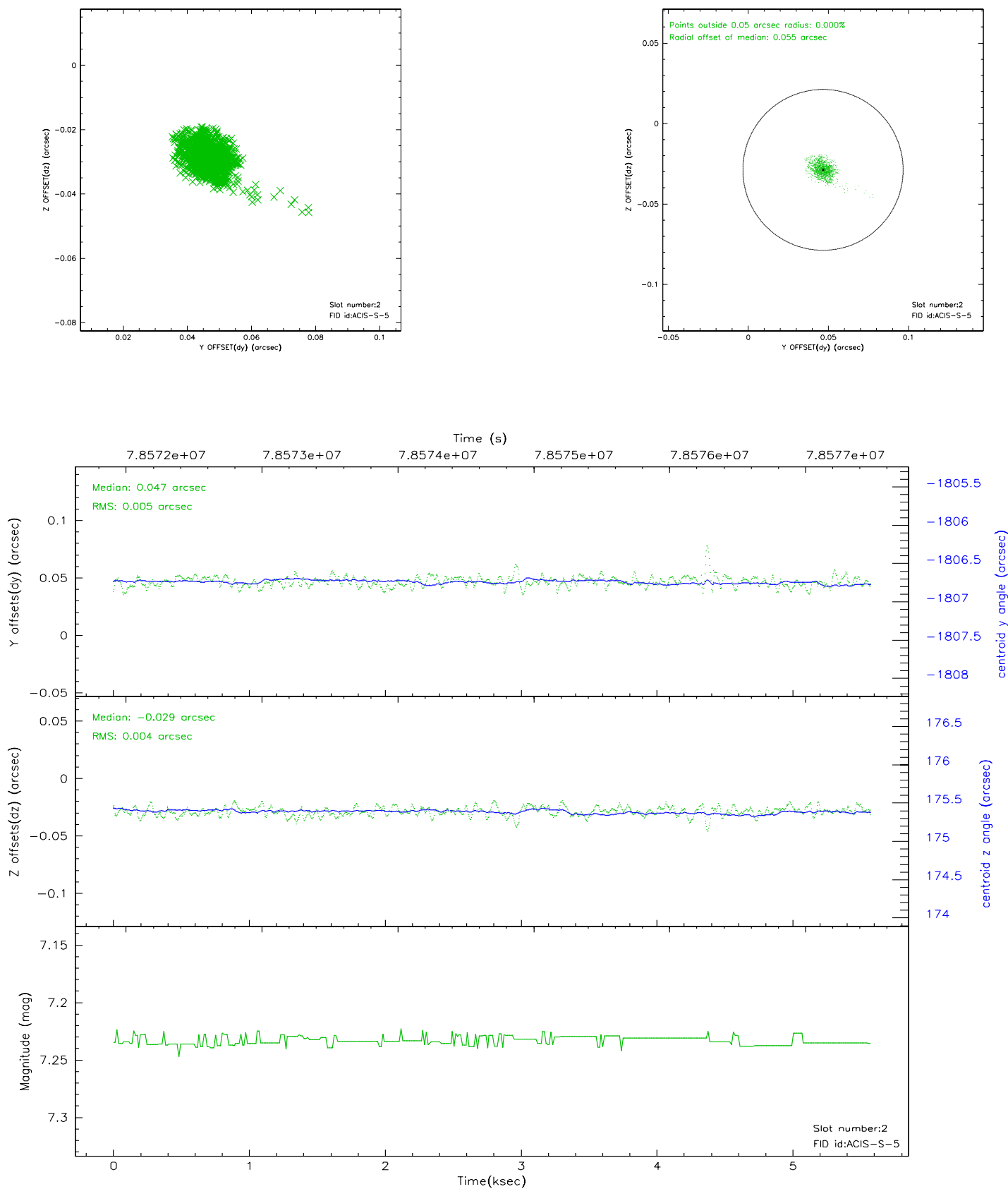
### 2.5.1 Slot 0



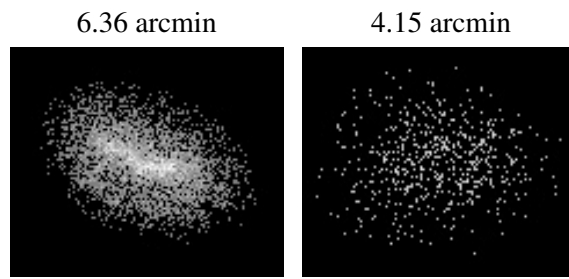
## 2.5.2 Slot 1



2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2010.10.01
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	5.577

## A.2 Comments

The guide star in slot 5 was manually excluded from the processing due to poor data quality.