

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 3445 - L2 Version 001  
Chandra X-Ray Center

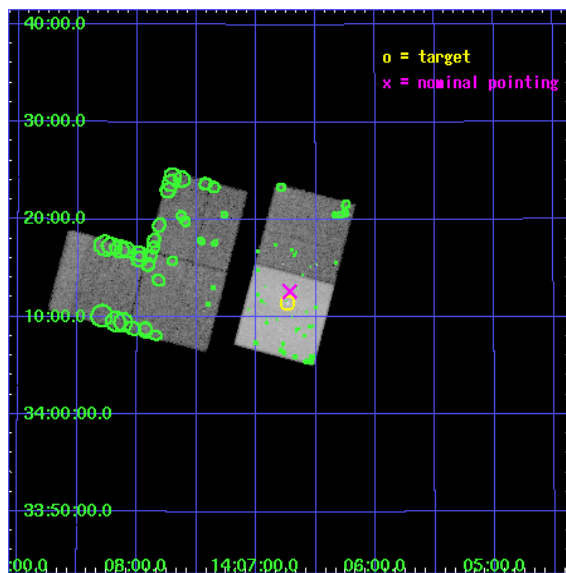
L2 Processing Date : Sep 2 2006

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# 1 Front

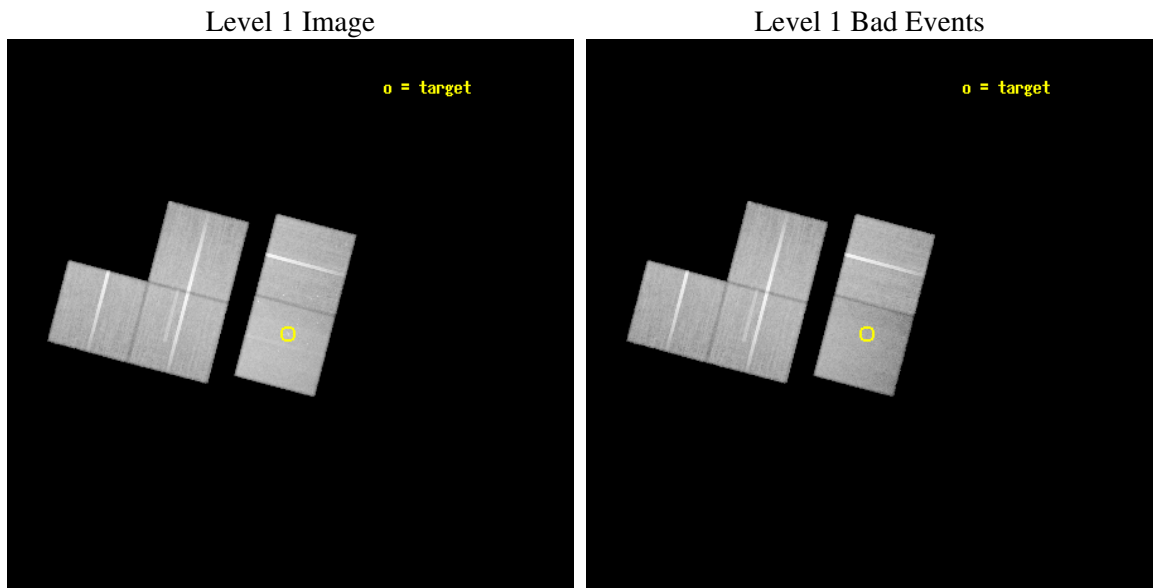
seq_num	800207
obs_id	3445
title	THE Z=1.786 CLUSTER AROUND 3C294
observer	Prof Andrew Fabian
object	3C294
dtcycle	0
cycle	P
ra_targ	211.68375
dec_targ	34.190222
ra_nom	211.6794142831
dec_nom	34.210715491947
roll_nom	104.7411959931
revision	2
ontime	70757.499863952
livetime	69833.001037316
ontime1	70754.358883694
ontime2	70754.358863771
ontime3	70744.935943097
ontime6	70751.217923433
ontime7	70757.499863952
l2events	299412



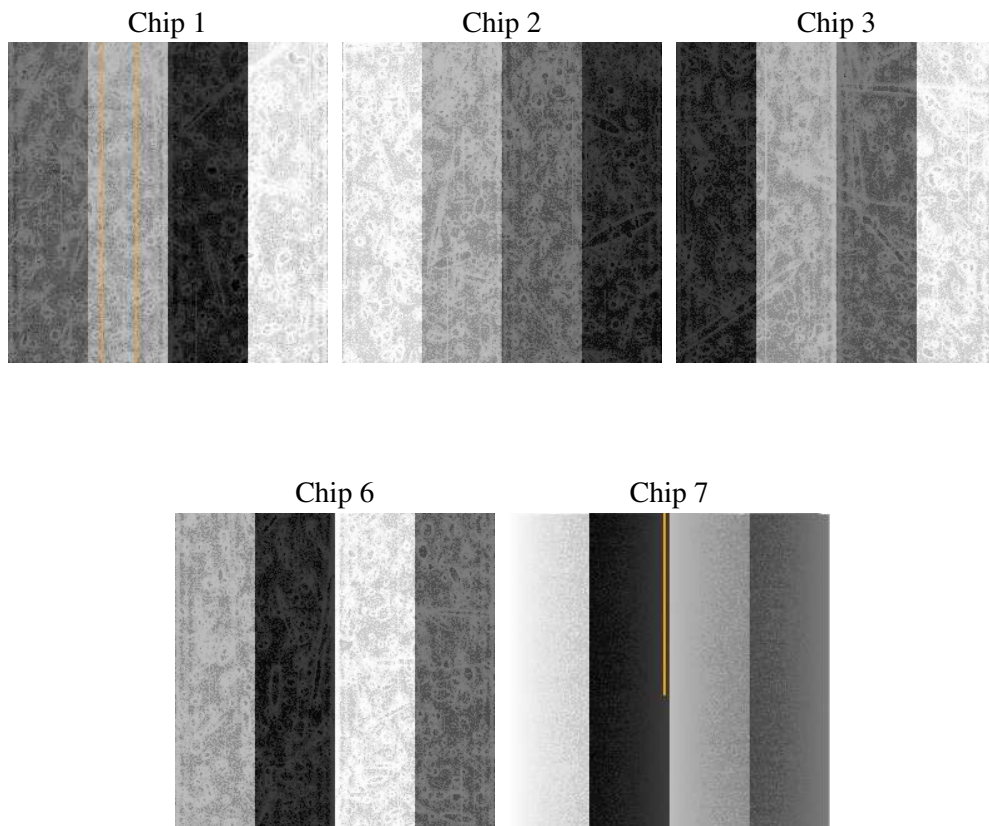
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldbver	3.2.3
date	2006-09-02T19:29:16
revision	2

sched_exp_time	70600.000000
ontime	70977.279789463
ontime1	70974.138809204
ontime2	70974.138789281
ontime3	70964.715868607
ontime6	70970.997848943
ontime7	70977.279789463
l1events	2021547

### 2.1.4 Events

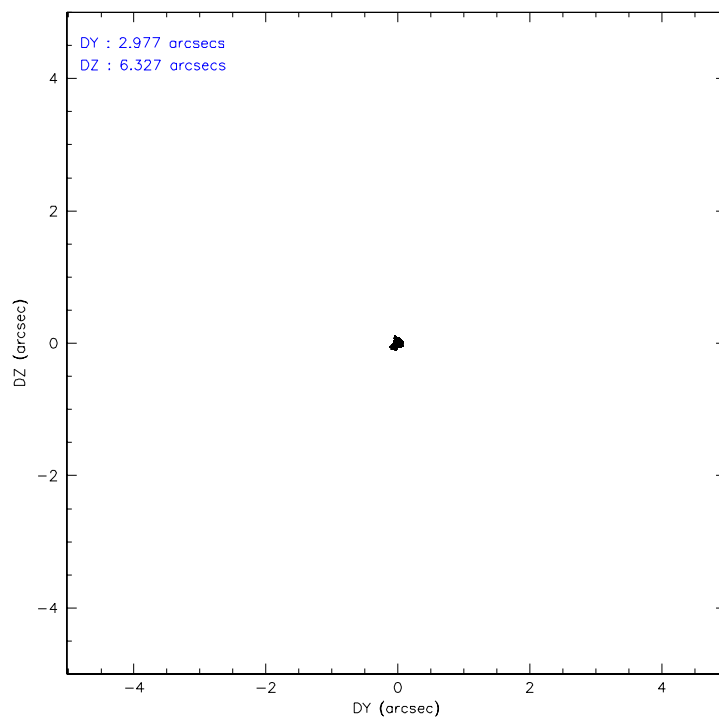
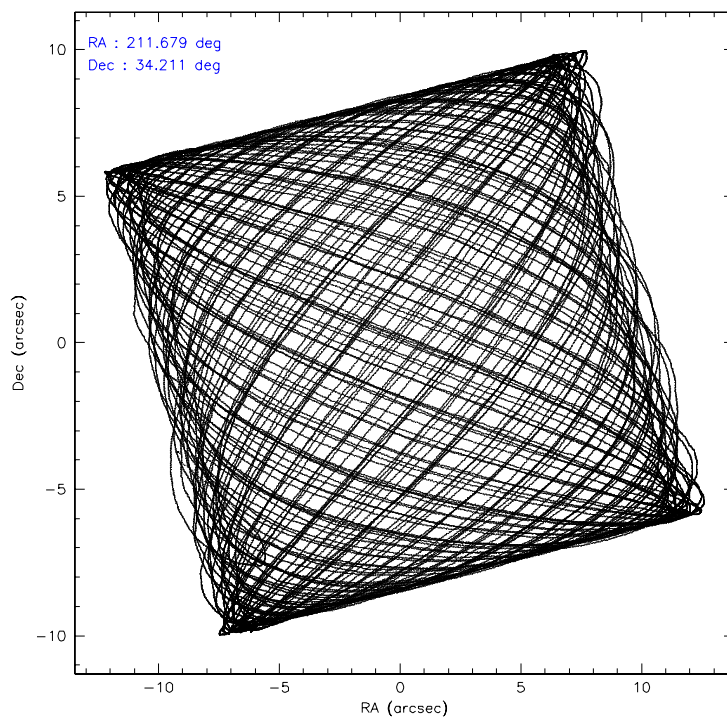
	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	371086	415423	402435	412558	420045
rejected events	329738	378835	366712	372528	243714
rejected %	88%	91%	91%	90%	58%

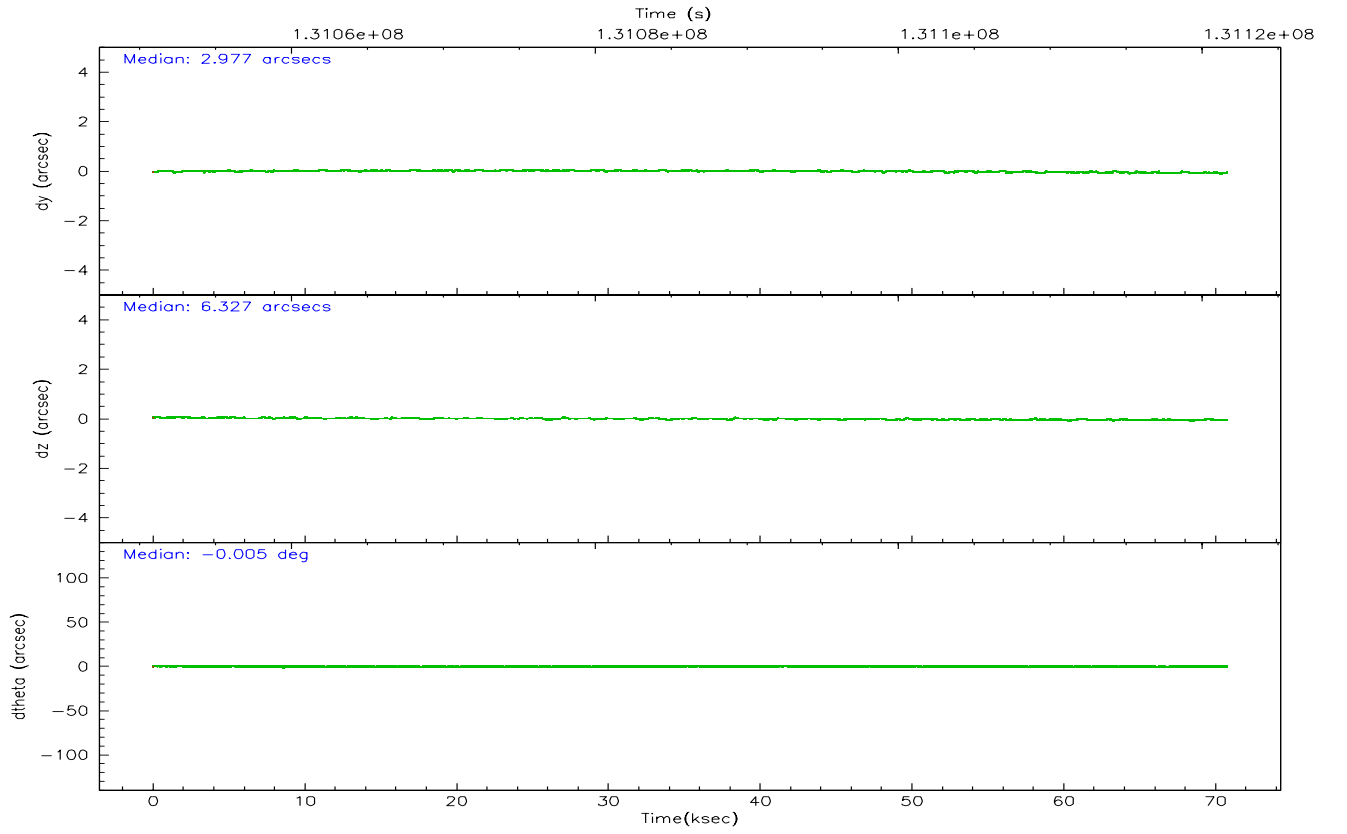
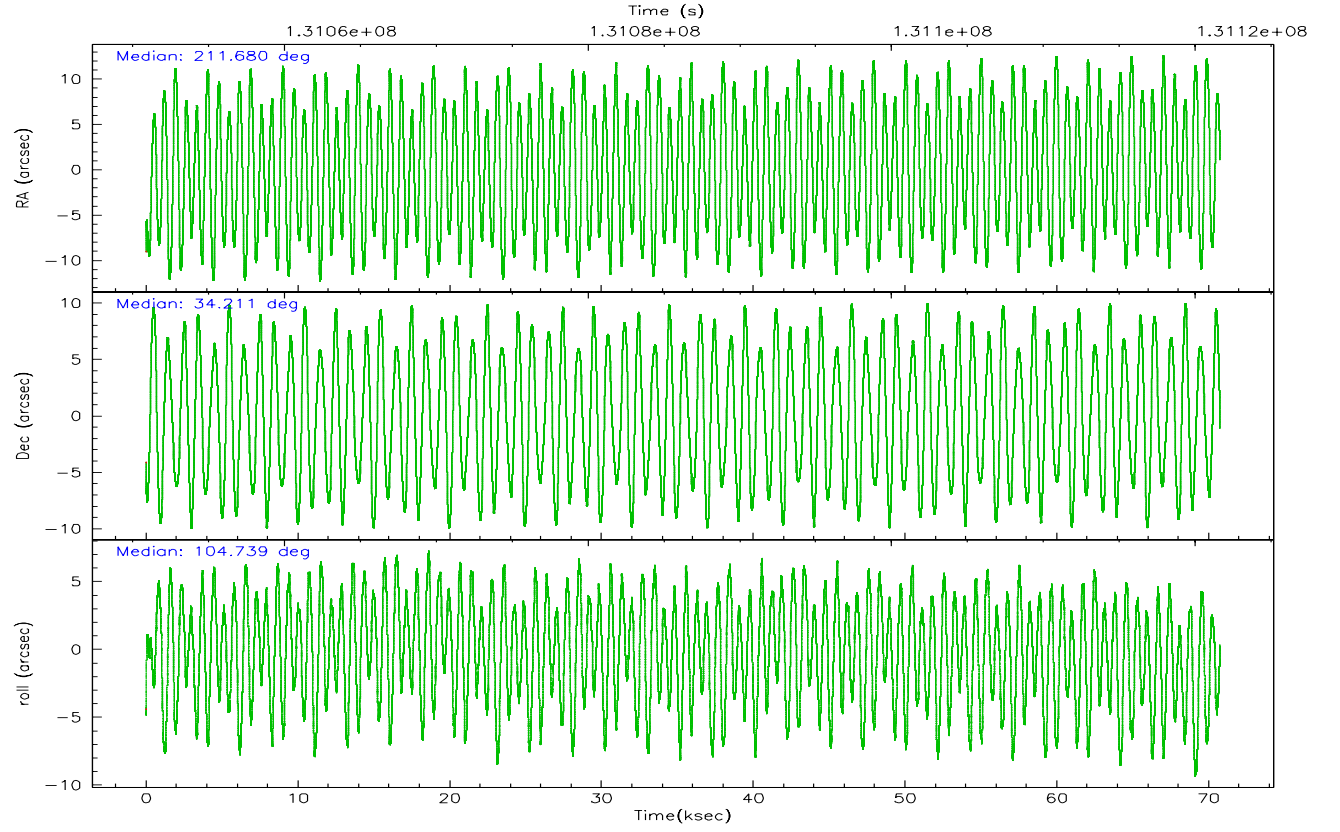
	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	14941	12991	12696	14316	11445
	4%	3%	3%	3%	2%
grade 1 events	180	171	168	165	243
	0%	0%	0%	0%	0%
grade 2 events	8560	8400	7503	8489	43286
	2%	2%	1%	2%	10%
grade 3 events	4970	4118	4219	4579	10718
	1%	0%	1%	1%	2%
grade 4 events	4800	4152	4135	4397	10466
	1%	0%	1%	1%	2%
grade 5 events	13784	11787	13972	14925	32343
	3%	2%	3%	3%	7%
grade 6 events	8213	7048	7281	8374	101009
	2%	1%	1%	2%	24%
grade 7 events	315638	366756	352461	357313	210535
	85%	88%	87%	86%	50%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-12367	ACIS-12367	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	NONE	NONE
Pointing RA	211.702889	211.6794142830955	Alternating exposures requested	N	N
Pointing Dec	34.191591	34.21071549194678	Primary exposure time	0.000000	3.1
Pointing Roll	104.571371	104.7411959931049			
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	131051047.184000	131049945.73104			
Observation start date	2002-02-25T19:03:03	2002-02-25T18:45:45			
Observation end time	131121647.184000	131122705.87148			
Observation end date	2002-02-26T14:39:43	2002-02-26T14:58:25			
Read mode	TIMED	TIMED			

## 2.3 Aspect



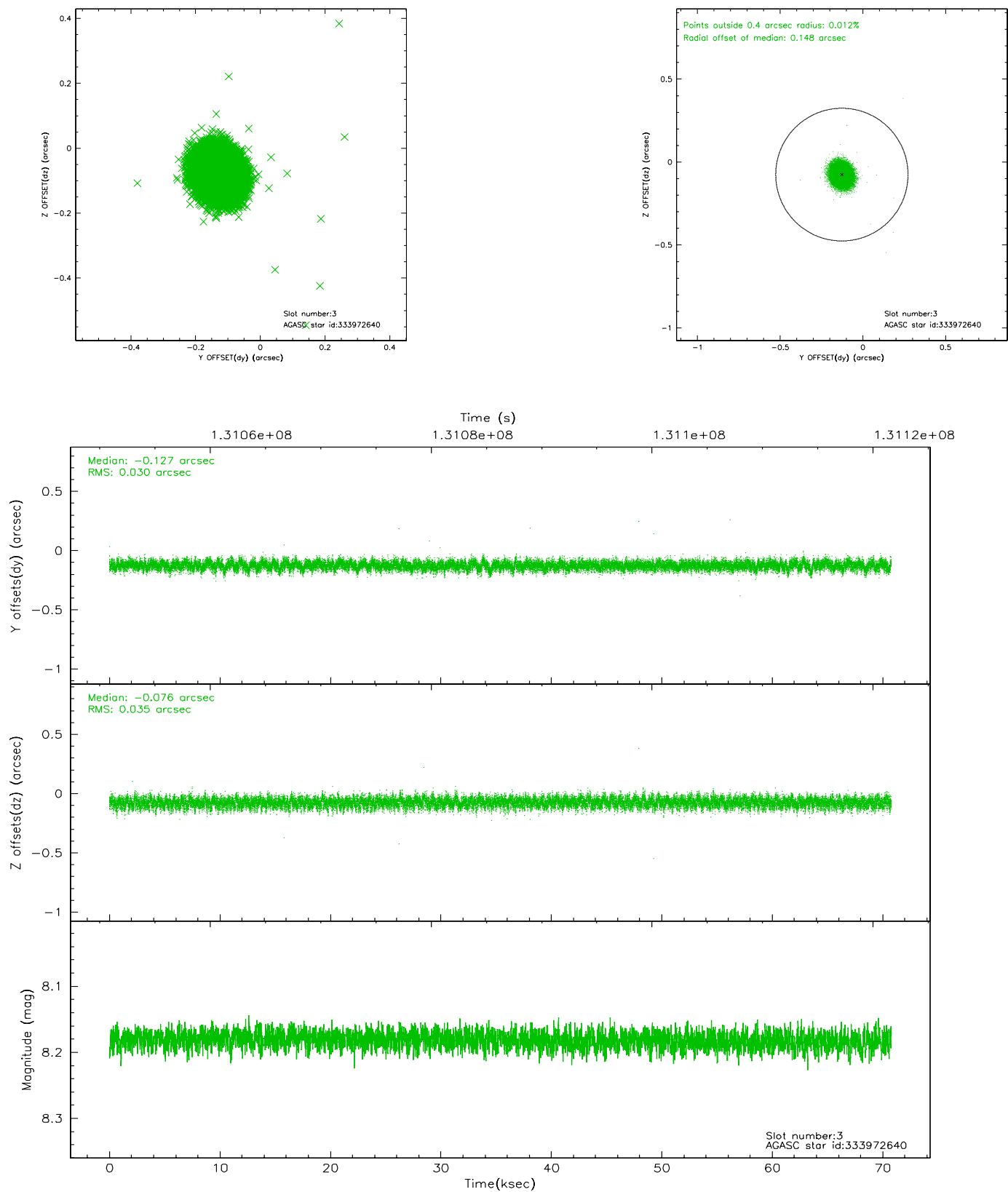


### Slot Statistics

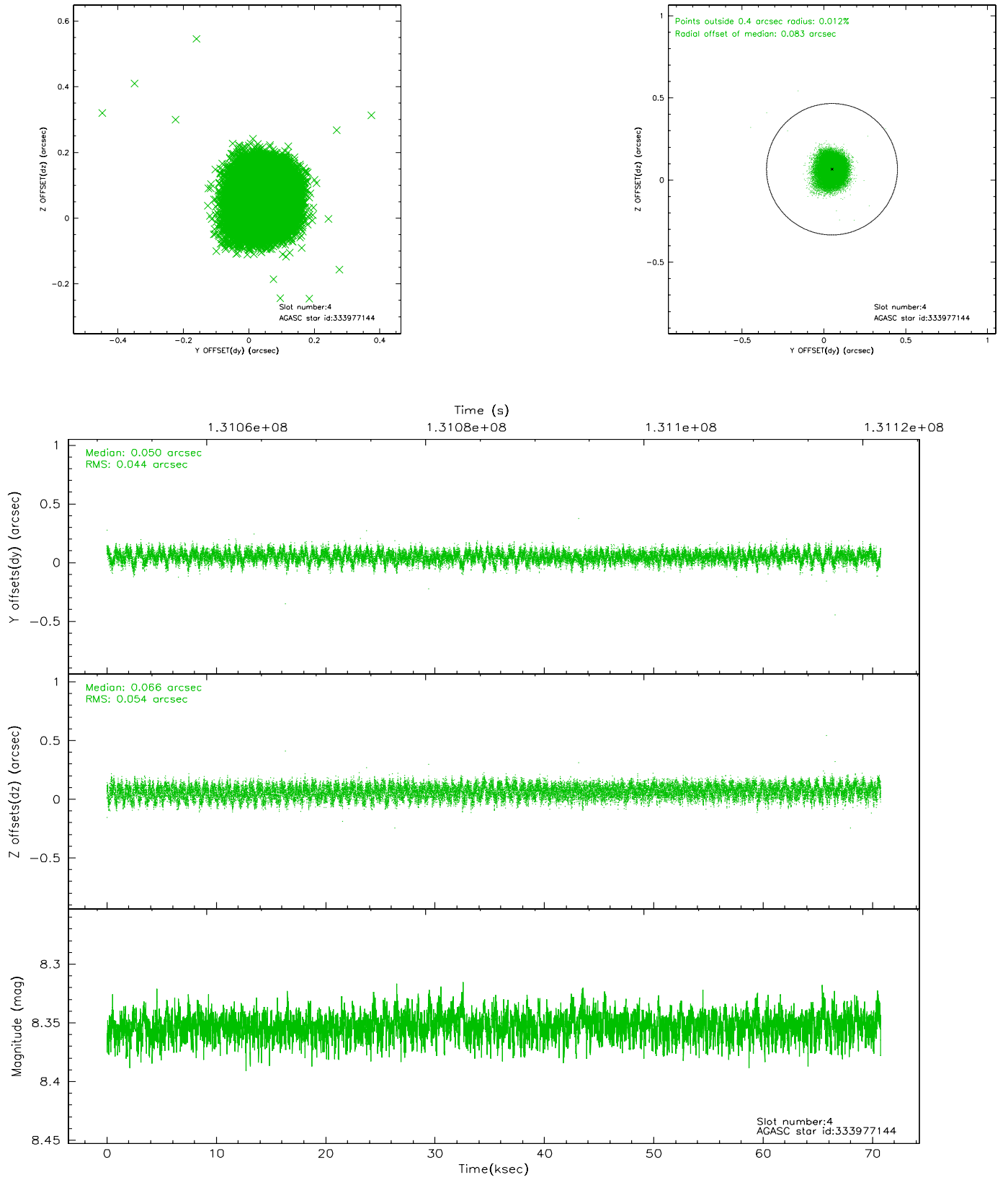
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	17259	-0.020	0.032	0.007	0.011	0.000000	0.000000	-755.60	-1727.46
1	FID	ACIS-S-4	7.21	17254	-0.060	0.001	0.005	0.009	0.000000	0.000000	2157.63	181.11
2	FID	ACIS-S-5	7.24	17259	0.049	-0.024	0.006	0.011	0.000000	0.000000	-1808.48	174.61
3	GUIDE	333972640	8.18	34512	-0.127	-0.076	0.049	0.079	211.483705	34.382666	830.03	457.24
4	GUIDE	333977144	8.35	34514	0.050	0.066	0.074	0.118	212.190837	33.799759	-1728.97	-1058.38
5	GUIDE	333973208	8.40	34507	-0.076	-0.067	0.065	0.103	211.140123	34.422788	1230.40	1407.13
6	GUIDE	333972048	9.74	34492	0.045	0.064	0.102	0.171	212.095723	33.936855	-1180.46	-905.22
7	GUIDE	333978704	8.77	34509	0.111	0.014	0.061	0.099	212.177710	33.682681	-2127.40	-916.20

## 2.4 Star Slots

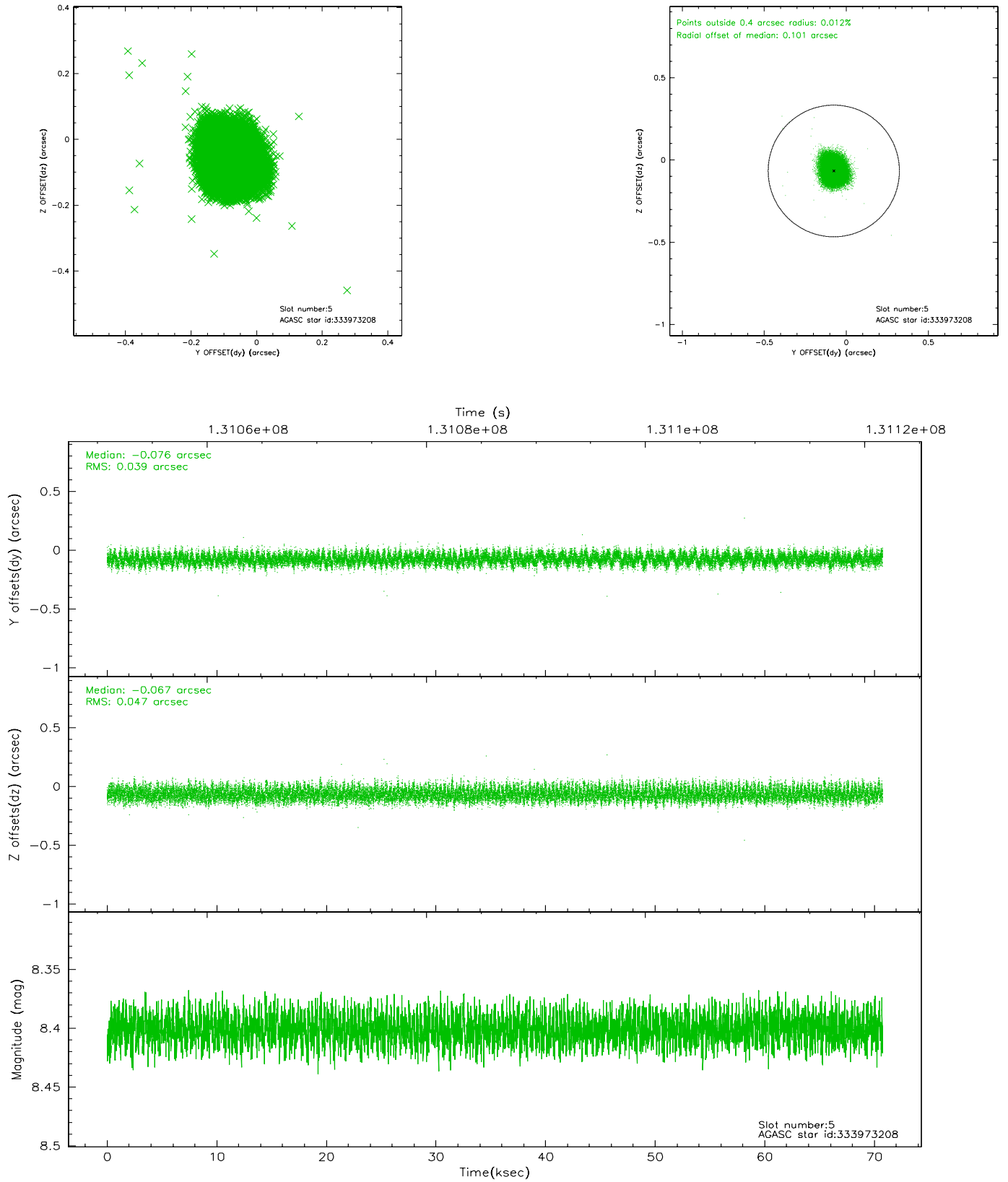
### 2.4.1 Slot 3



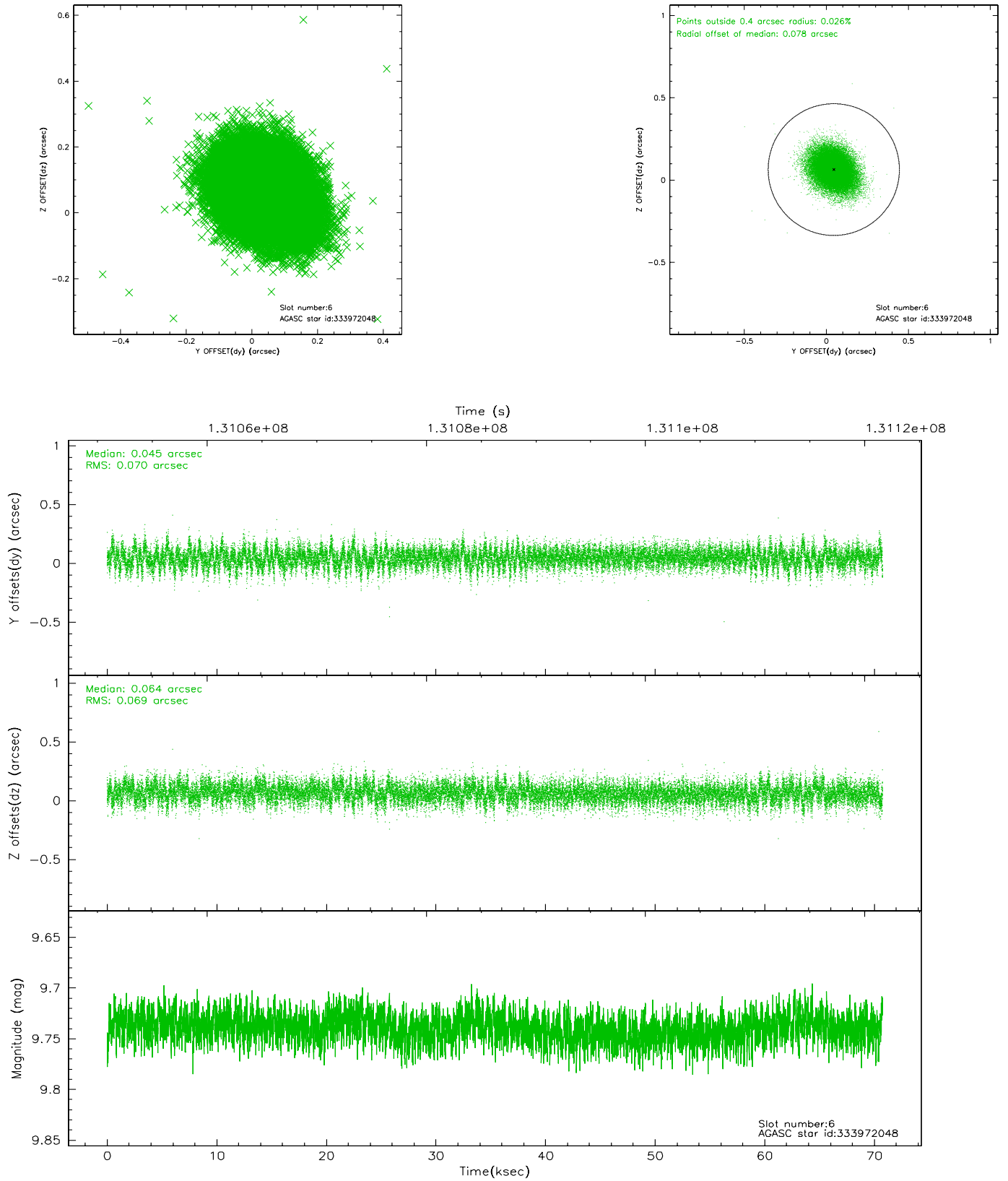
## 2.4.2 Slot 4



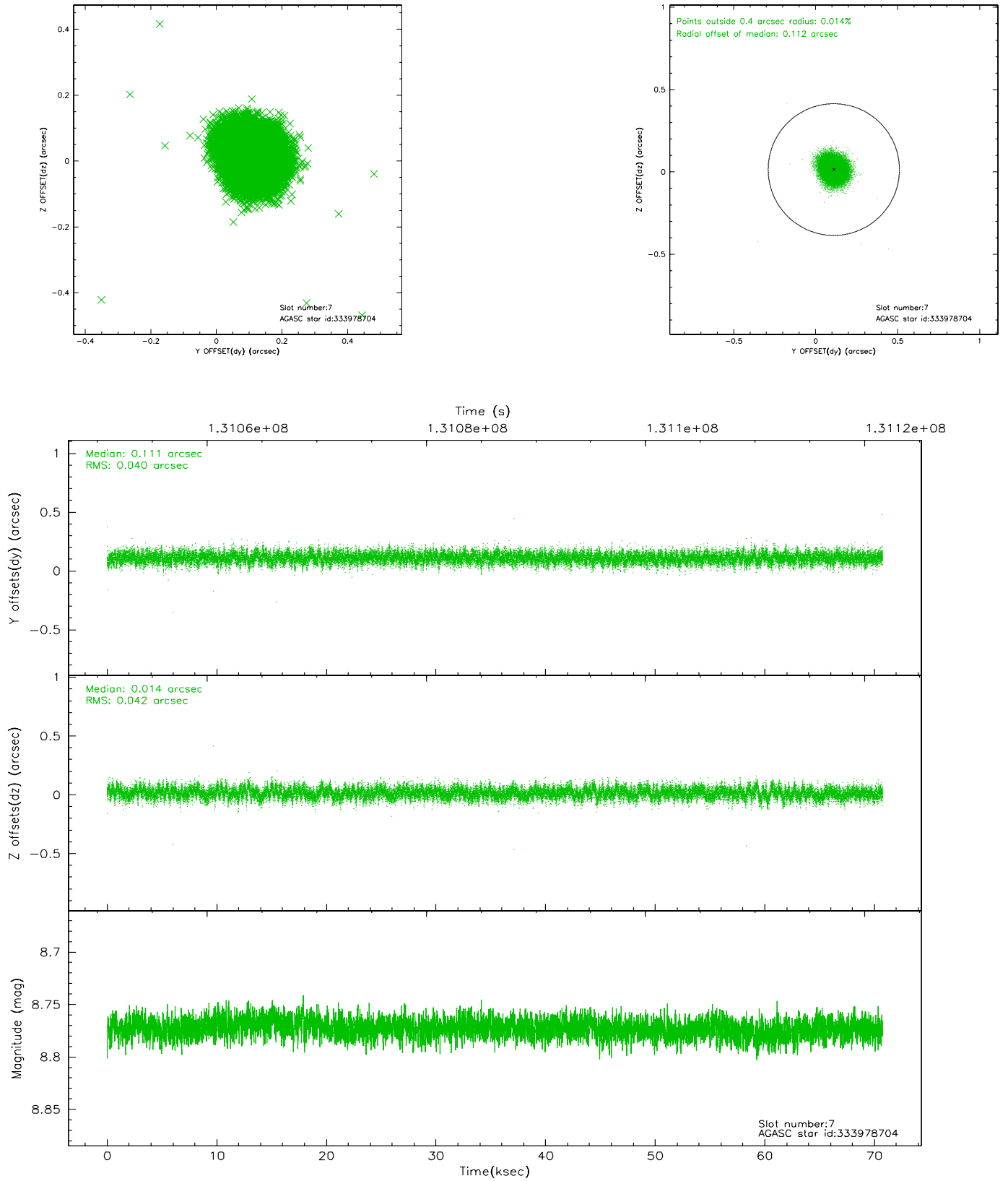
### 2.4.3 Slot 5



## 2.4.4 Slot 6

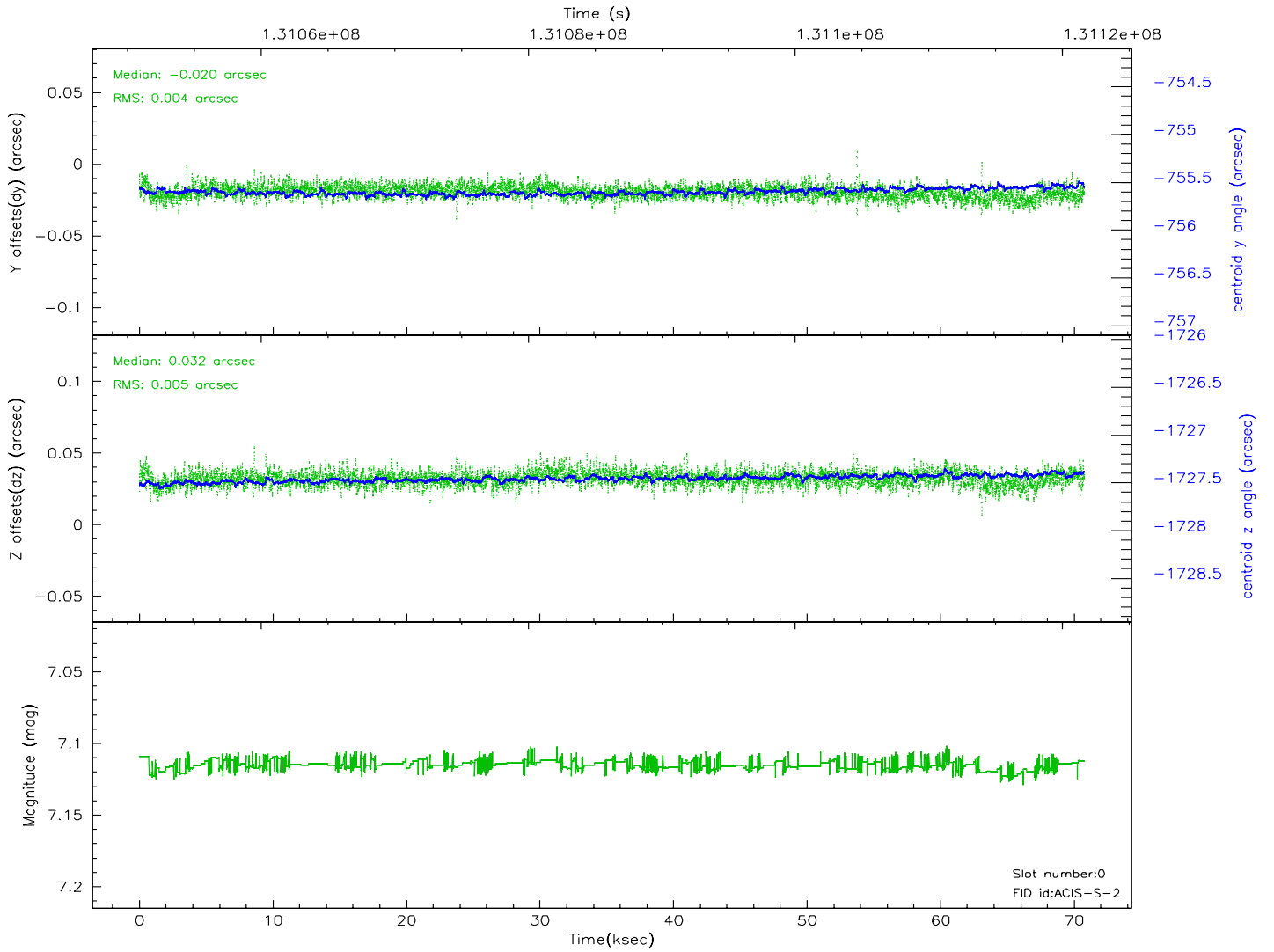
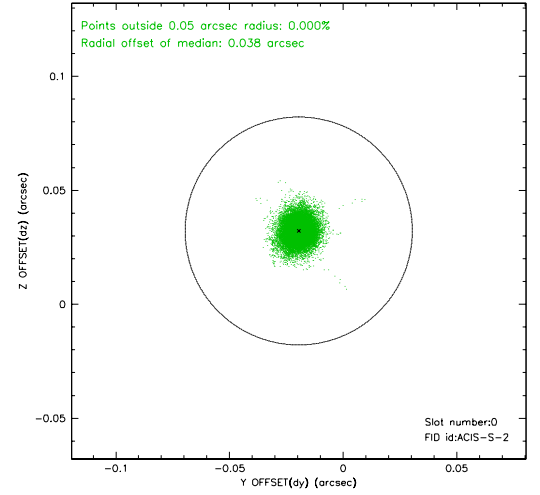
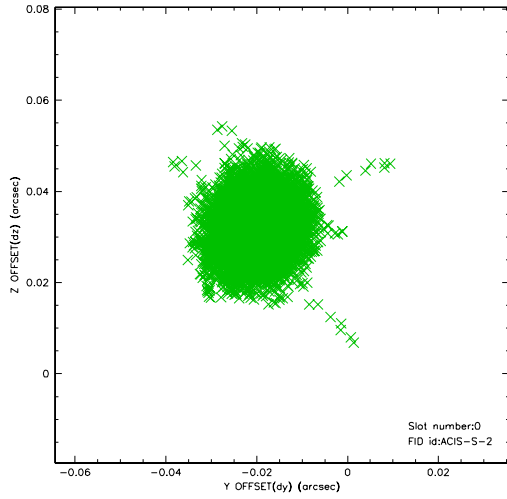


## 2.4.5 Slot 7

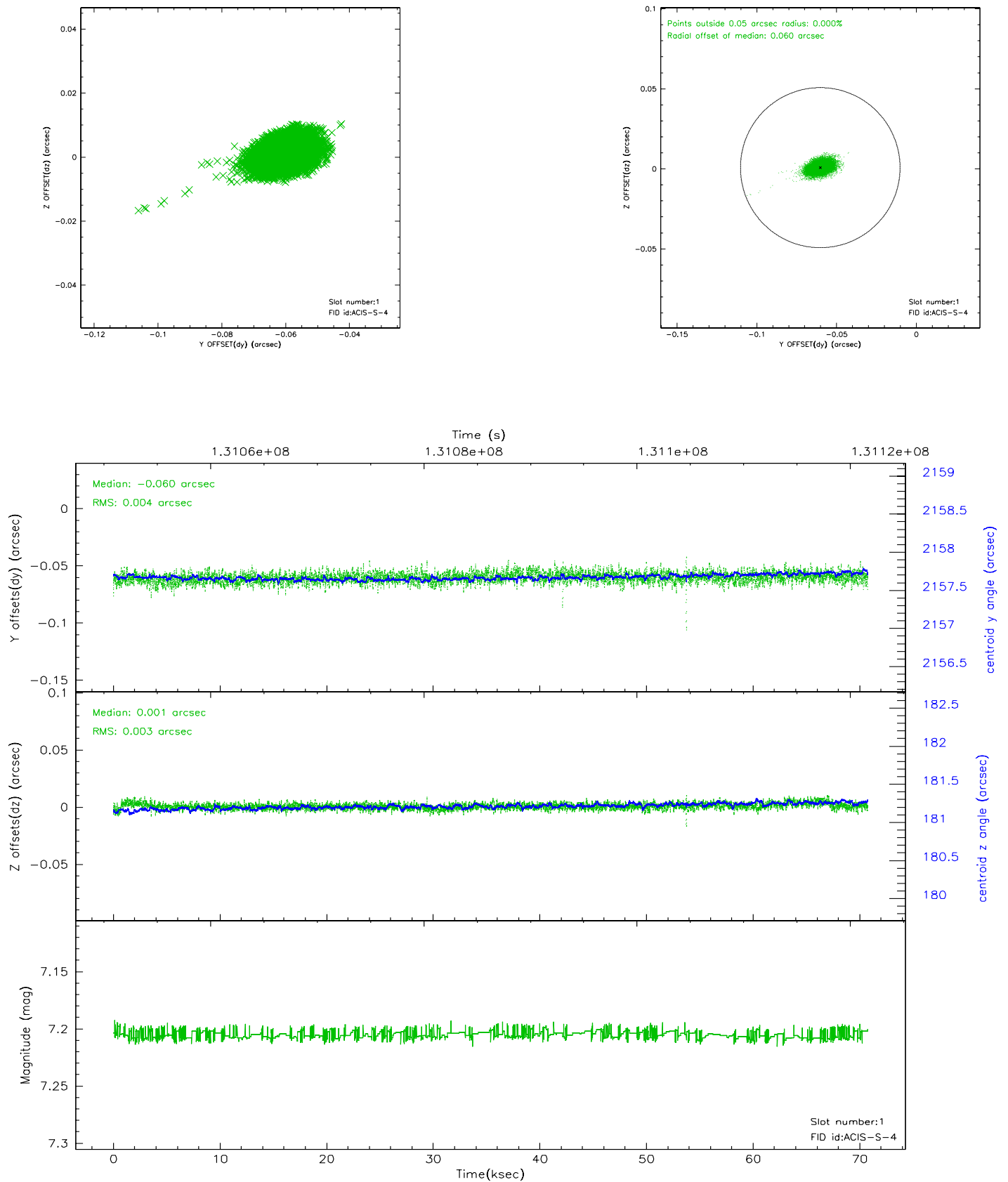


## 2.5 FID Slots

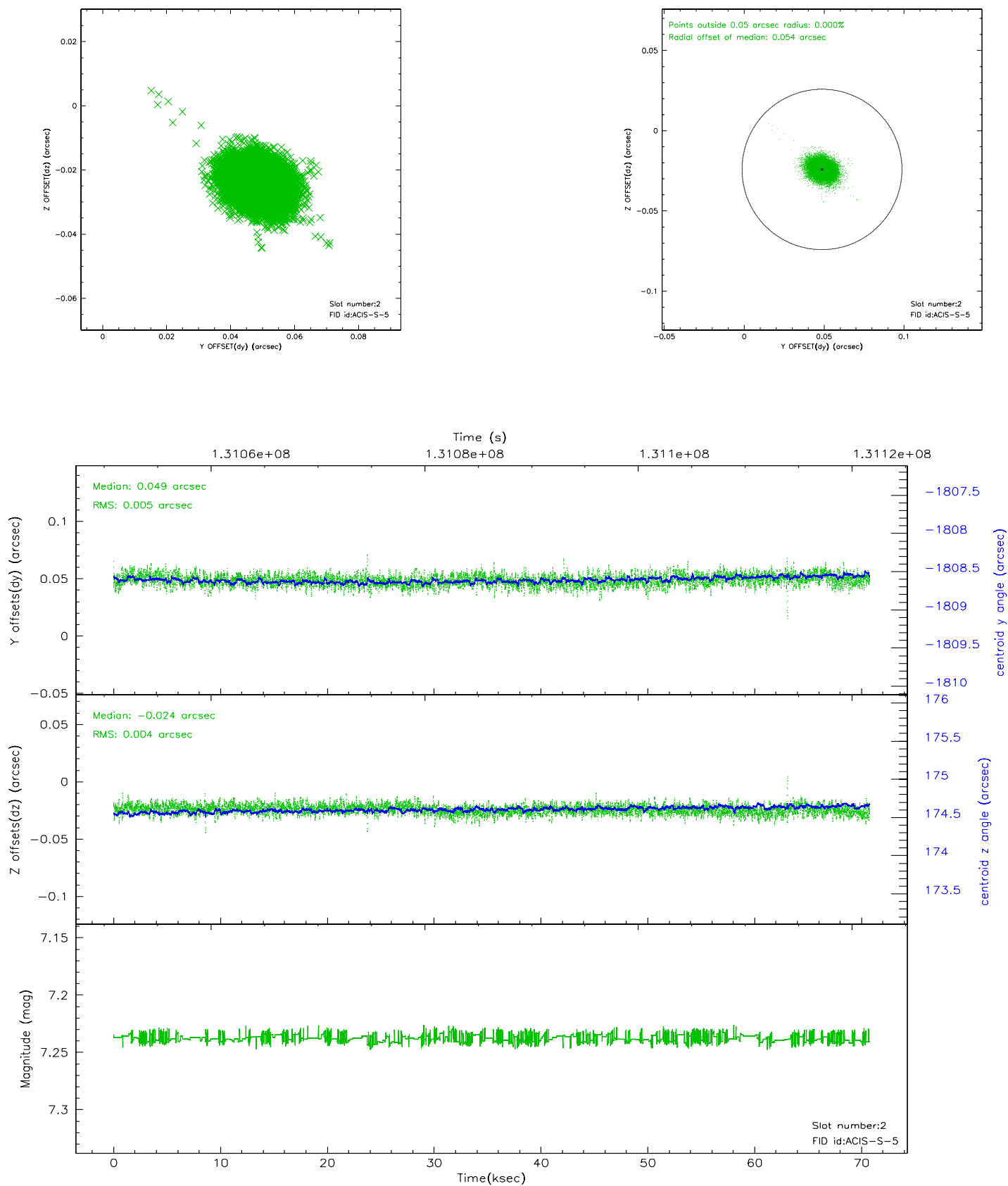
### 2.5.1 Slot 0



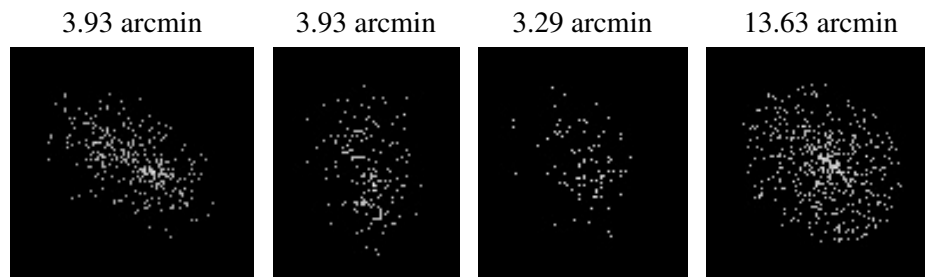
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.09.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	70.757

### A.2 Comments