

# V&V Reference Report

## L2 ASCDS Version : 7.6.7

Observation 5505 - L2 Version 002  
Chandra X-Ray Center

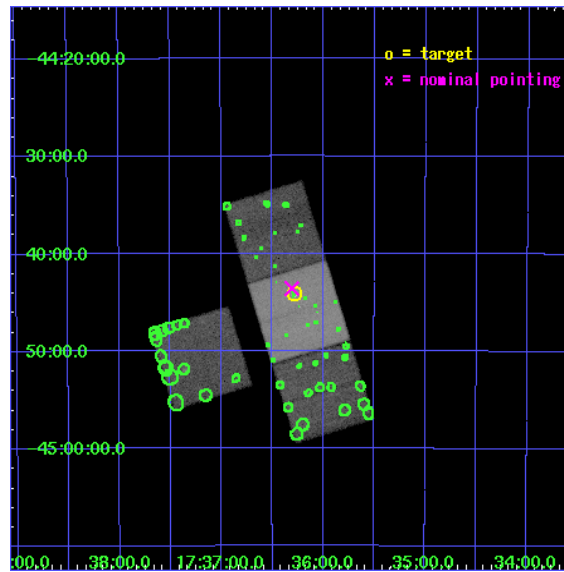
L2 Processing Date: Mar 2 2006

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# 1 Front

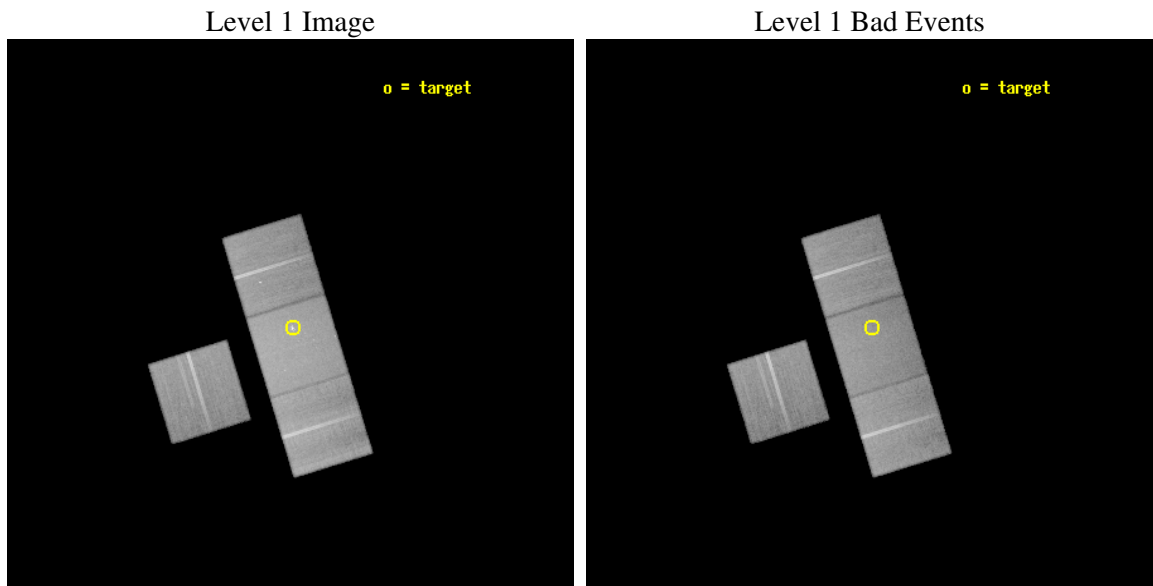
seq_num	400435
obs_id	5505
title	X-ray Binaries in the Ultrahigh Collision Rate Globular Cluster NGC 6388
observer	Dr Haldan Cohn
object	NGC 6388
dtcycle	0
cycle	P
ra_targ	264.070833
dec_targ	-44.735
ra_nom	264.07703559613
dec_nom	-44.72640303511
roll_nom	72.973475669716
revision	2
ontime	45163.899913162
livetime	44573.800311617
ontime3	45157.61794275
ontime6	45163.899913162
ontime7	45163.899913162
ontime8	45154.477042168
l2events	317923



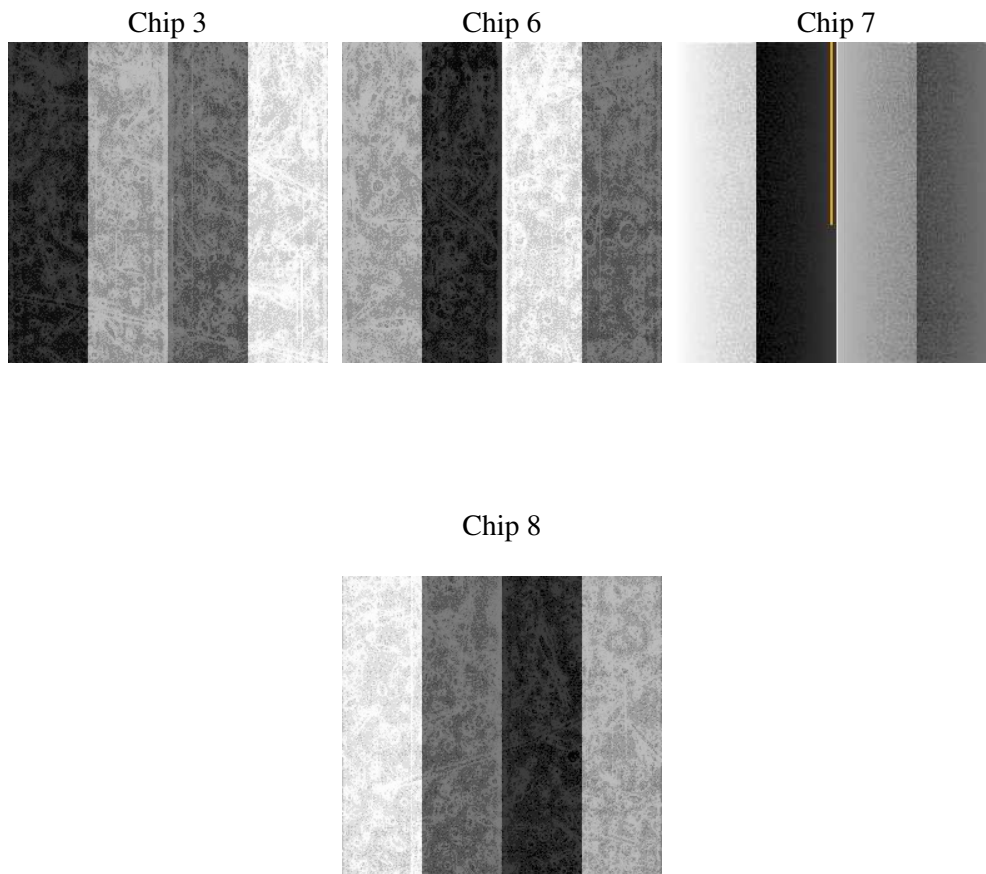
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.7
caldbver	3.2.1
date	2006-03-02T05:47:05
revision	2

sched_exp_time	45000.000000
ontime	45274.492698997
ontime3	45268.210708648
ontime6	45274.49267906
ontime7	45274.492698997
ontime8	45265.069828004
l1events	1651560

### 2.1.4 Events

	<b>ccd 3</b>	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
level 1 events	348733	363231	489857	449739
rejected events	304304	315195	296366	350897
rejected %	87%	86%	60%	78%

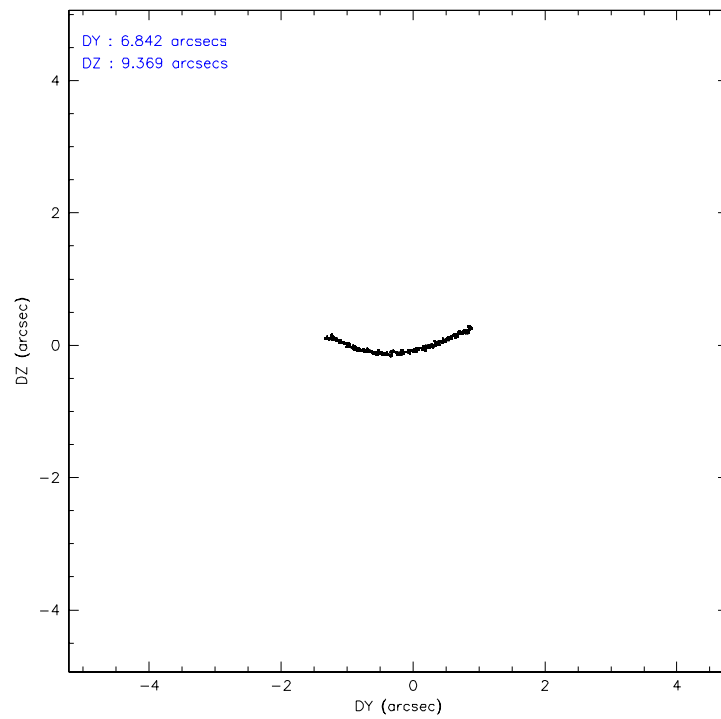
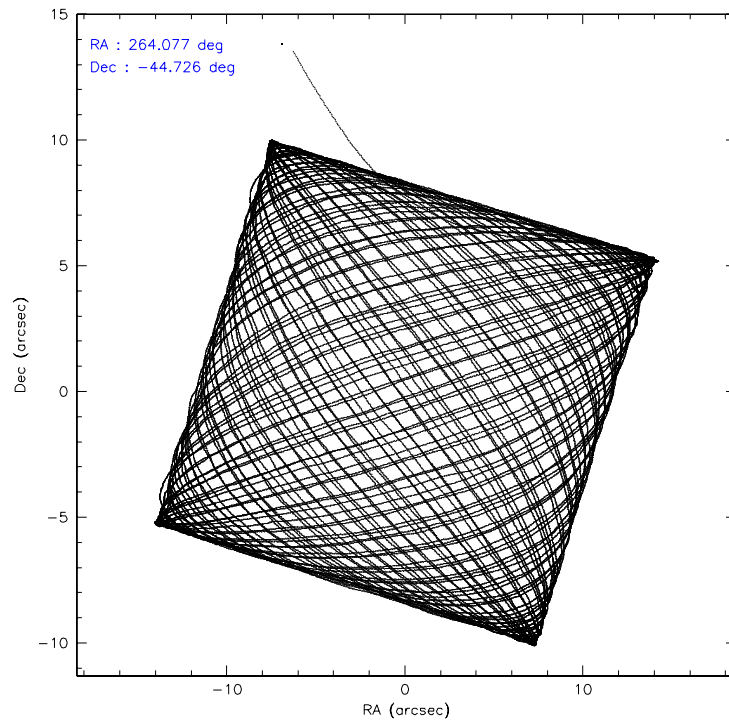
	<b>ccd 3</b>	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
grade 0 events	21206	21680	14076	33618
	6%	5%	2%	7%
grade 1 events	213	176	312	327
	0%	0%	0%	0%
grade 2 events	8077	9260	49013	21308
	2%	2%	10%	4%
grade 3 events	3957	4320	10333	10096
	1%	1%	2%	2%
grade 4 events	4061	4285	9917	9157
	1%	1%	2%	2%
grade 5 events	15781	16540	30601	21505
	4%	4%	6%	4%
grade 6 events	7253	8596	110589	24950
	2%	2%	22%	5%
grade 7 events	288185	298374	265016	328778
	82%	82%	54%	73%

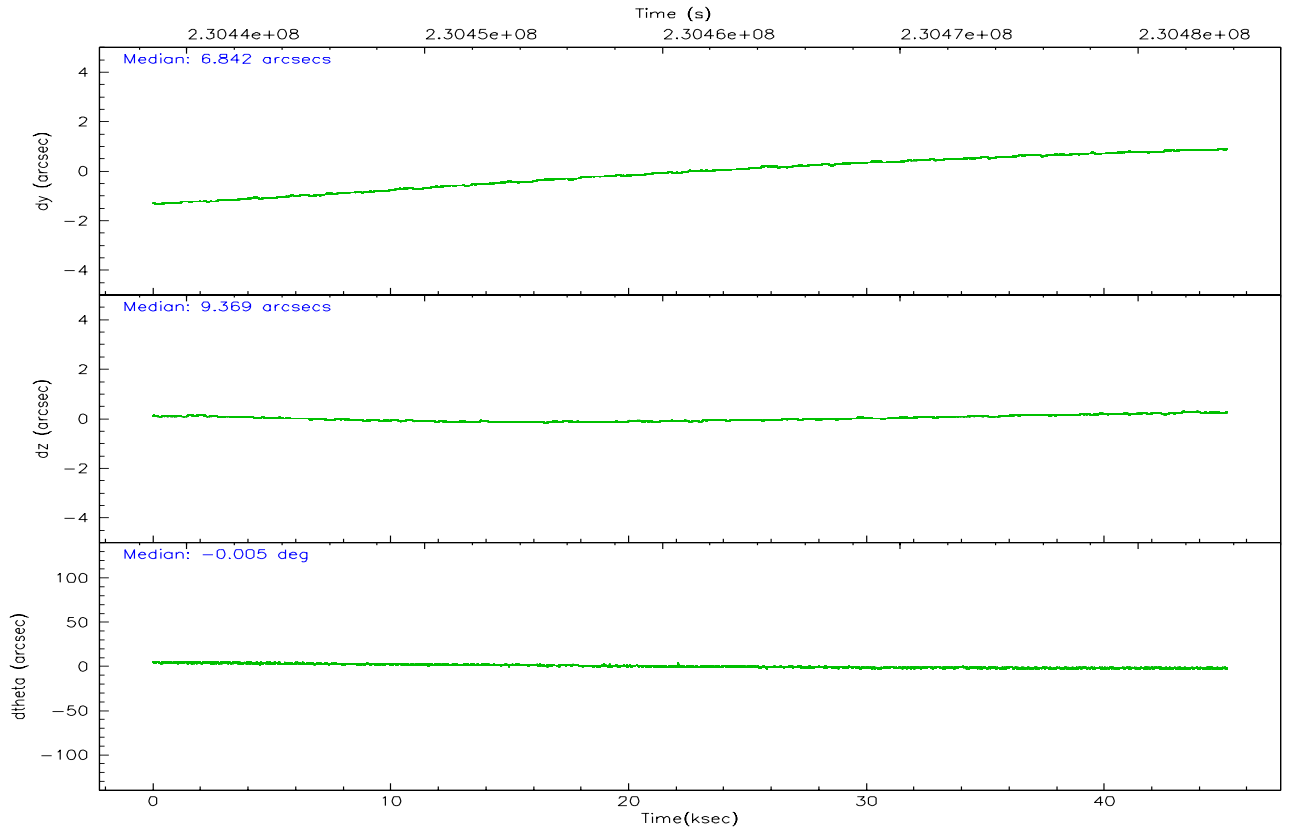
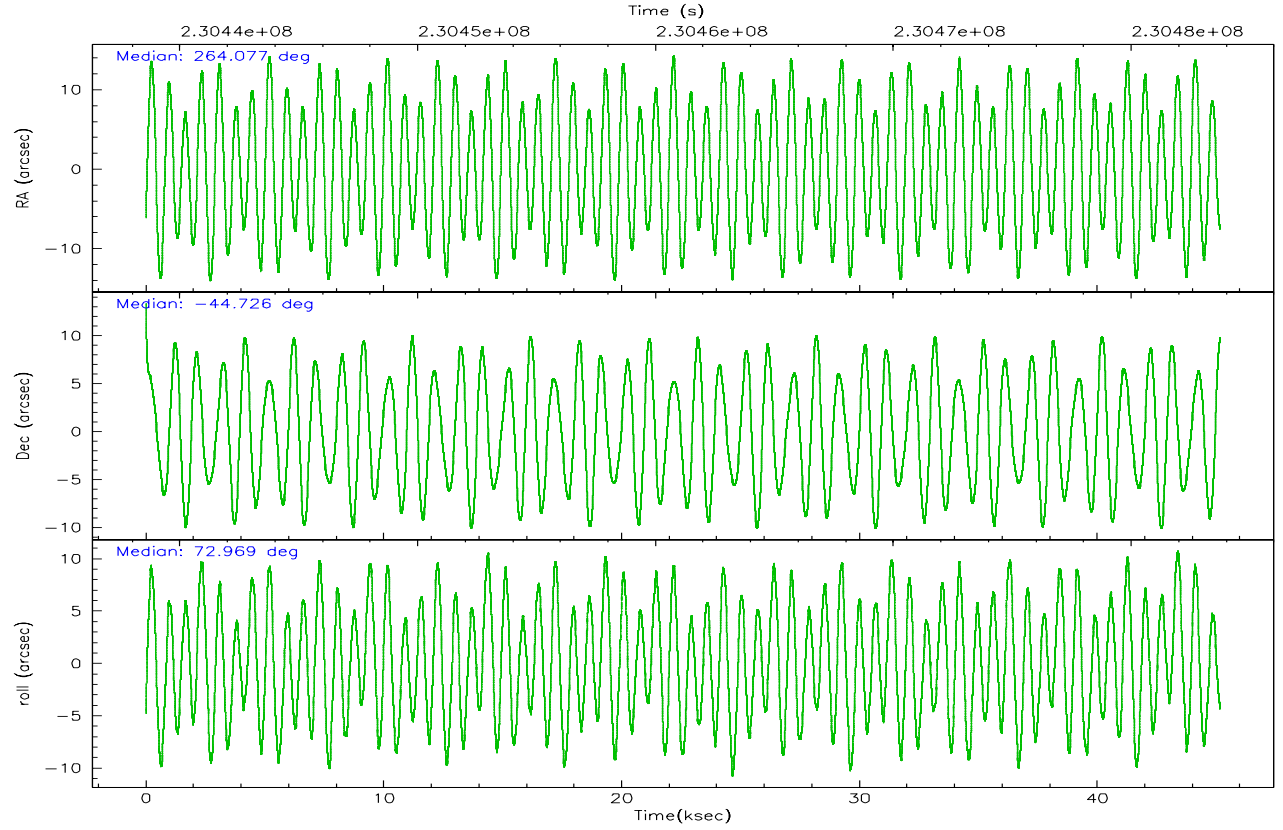


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-3678	ACIS-3678	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	264.086154	264.0770355961344	Alternating exposures requested	N	N
Pointing Dec	-44.752850	-44.72640303510963	Primary exposure time	0.000000	3.1
Pointing Roll	72.823263	72.97347566971614			
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	230438747.184000	230437712.2677			
Observation start date	2005-04-21T02:44:43	2005-04-21T02:28:32			
Observation end time	230483747.184000	230484164.24481			
Observation end date	2005-04-21T15:14:43	2005-04-21T15:22:44			
Read mode	TIMED	TIMED			

## 2.3 Aspect



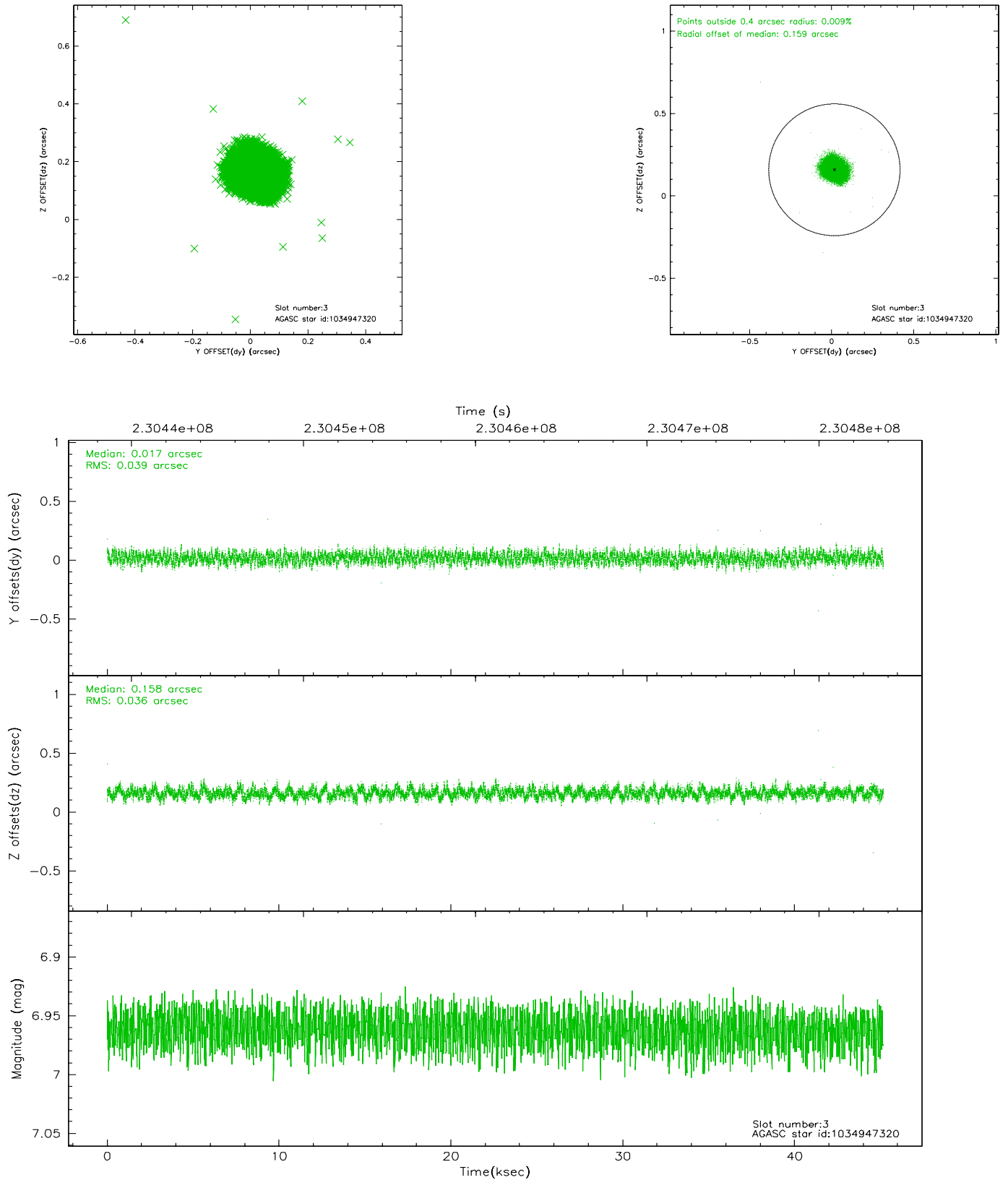


### Slot Statistics

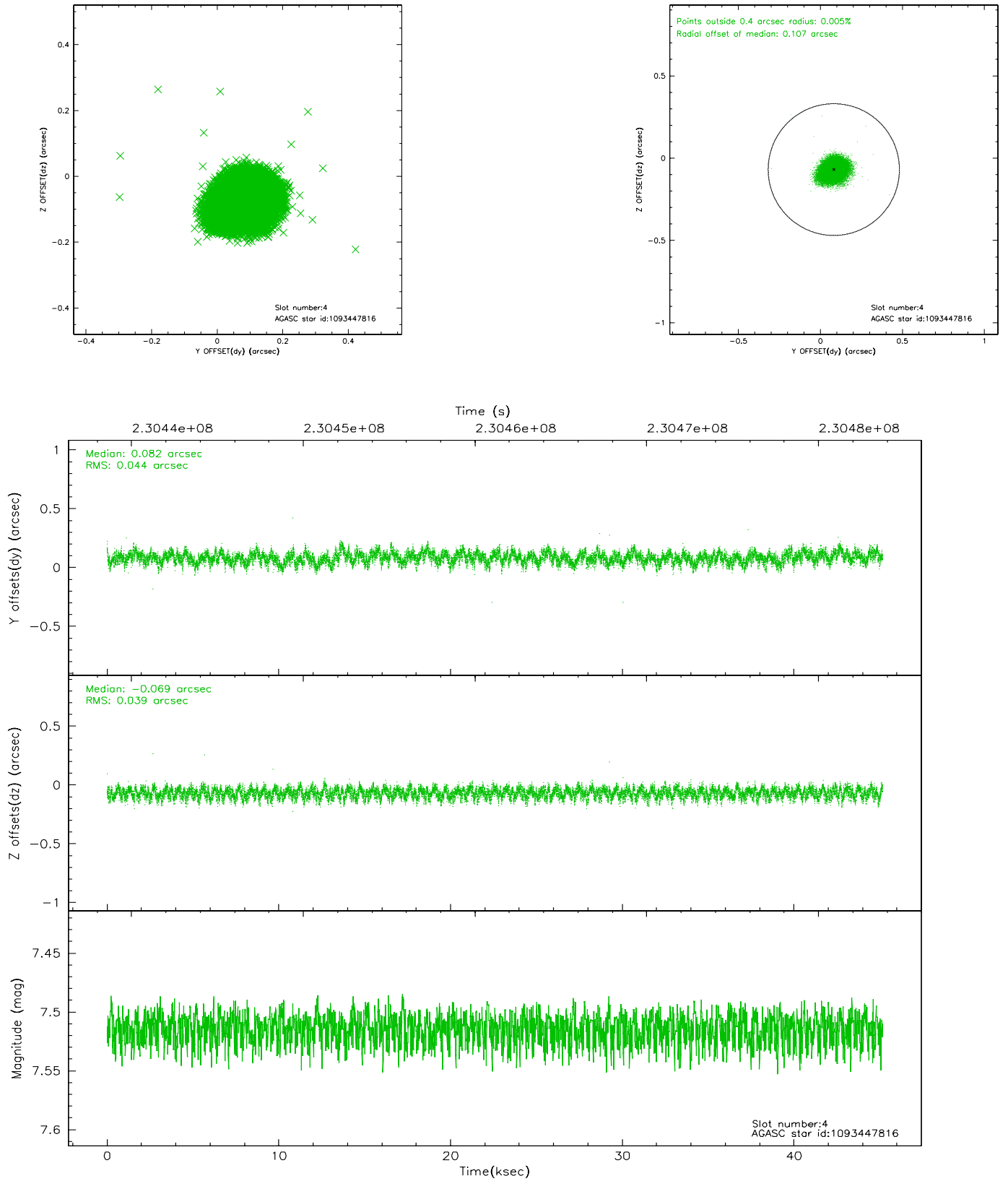
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	11017	0.026	0.024	0.015	0.023	0.000000	0.000000	936.56	-1726.23
1	FID	ACIS-S-2	7.10	11018	-0.050	-0.011	0.016	0.026	0.000000	0.000000	-759.42	-1730.80
2	FID	ACIS-S-6	7.35	11017	0.002	-0.004	0.013	0.019	0.000000	0.000000	402.22	815.09
3	GUIDE	1034947320	6.96	22032	0.017	0.158	0.057	0.087	264.173264	-44.879236	-369.08	-346.45
4	GUIDE	1093447816	7.51	22031	0.082	-0.069	0.062	0.100	263.791954	-45.303183	-2113.92	126.11
5	GUIDE	1034965928	9.18	22023	-0.131	-0.100	0.084	0.136	263.810524	-44.053836	2192.31	1424.38
6	GUIDE	1034969200	9.35	22015	0.058	-0.117	0.092	0.152	264.026236	-44.199441	1857.82	736.34
7	GUIDE	1035084528	9.26	21953	-0.018	0.129	0.103	0.168	265.175091	-44.382797	2082.75	-2288.39

## 2.4 Star Slots

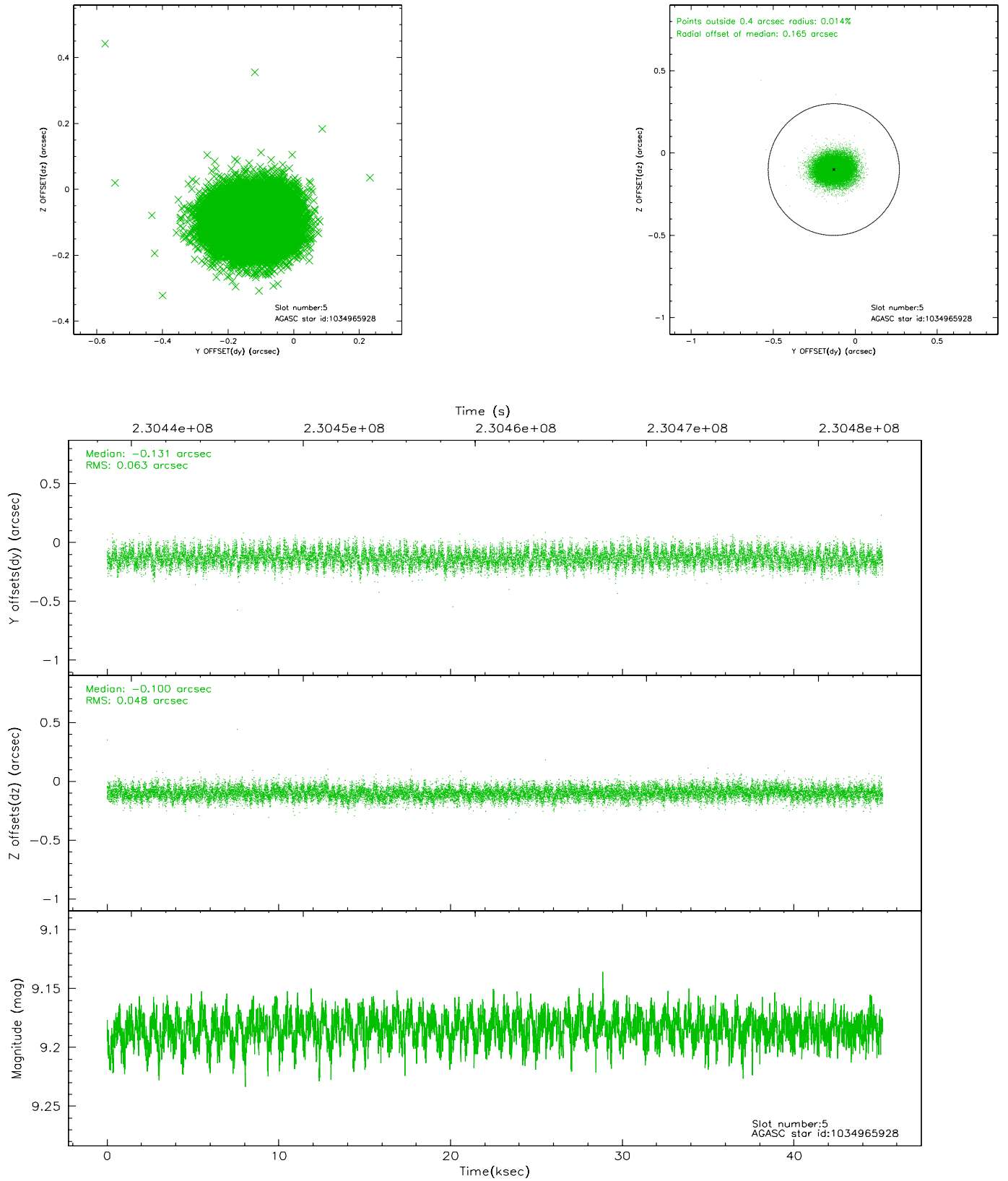
### 2.4.1 Slot 3



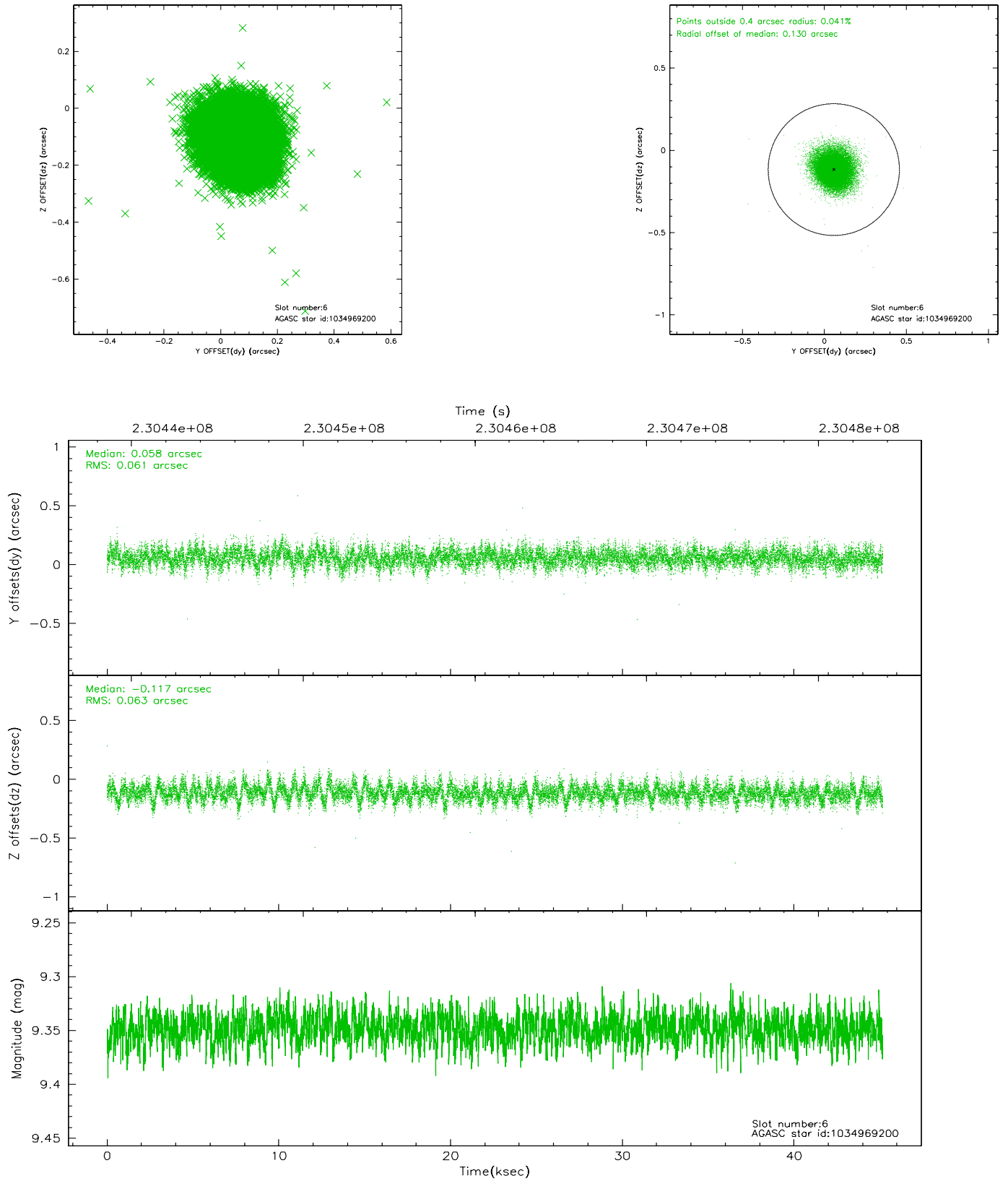
## 2.4.2 Slot 4



### 2.4.3 Slot 5

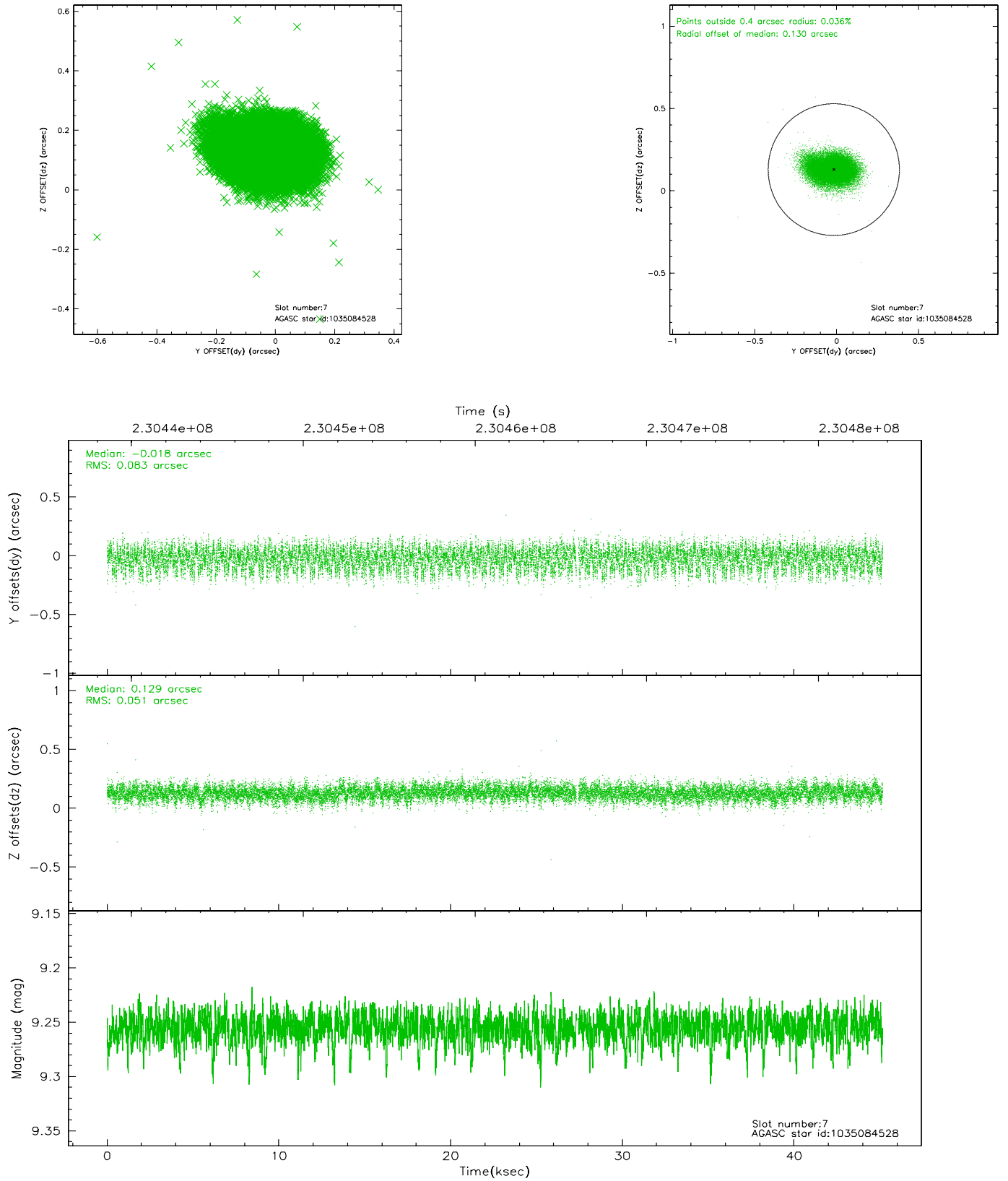


## 2.4.4 Slot 6



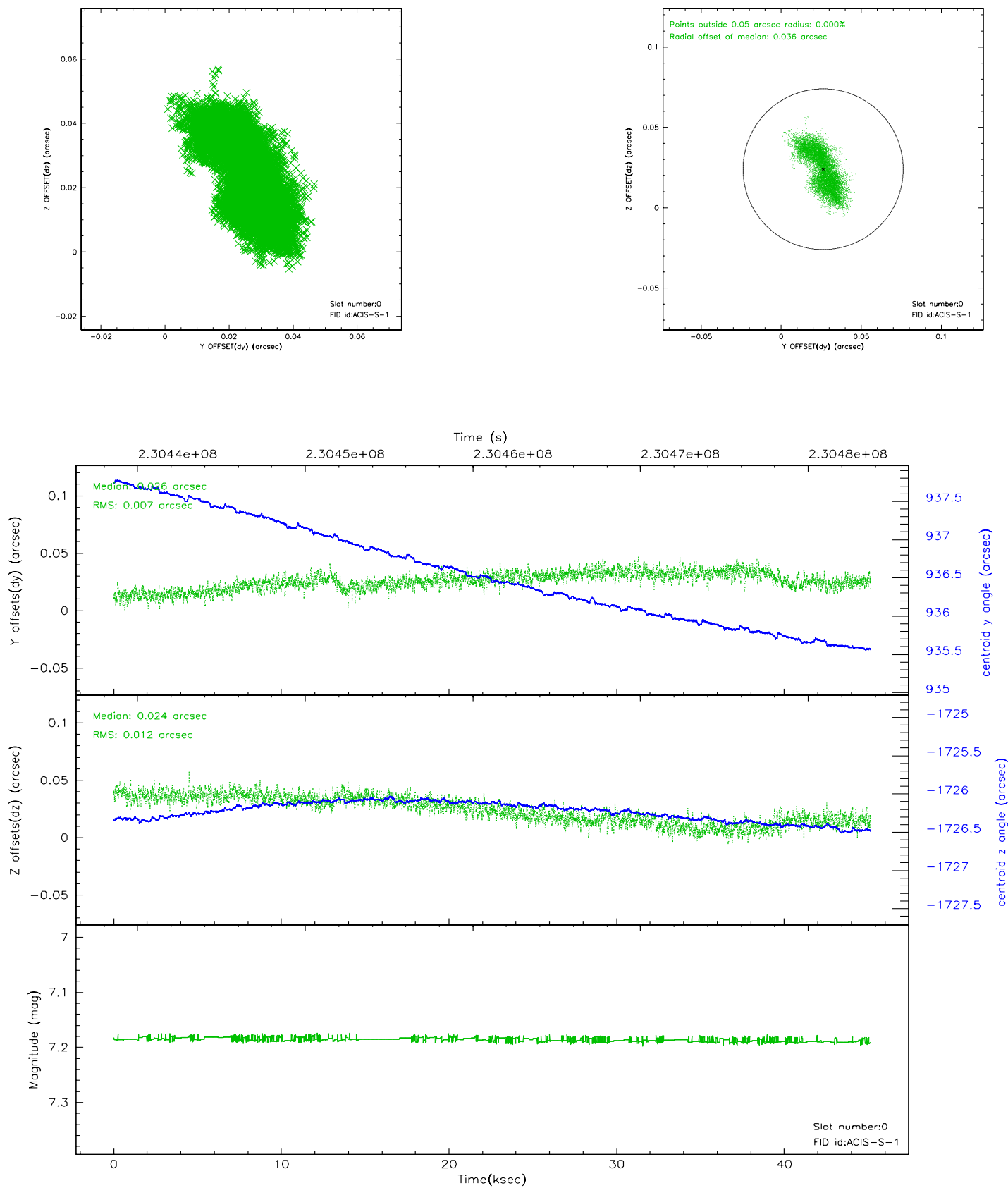


## 2.4.5 Slot 7

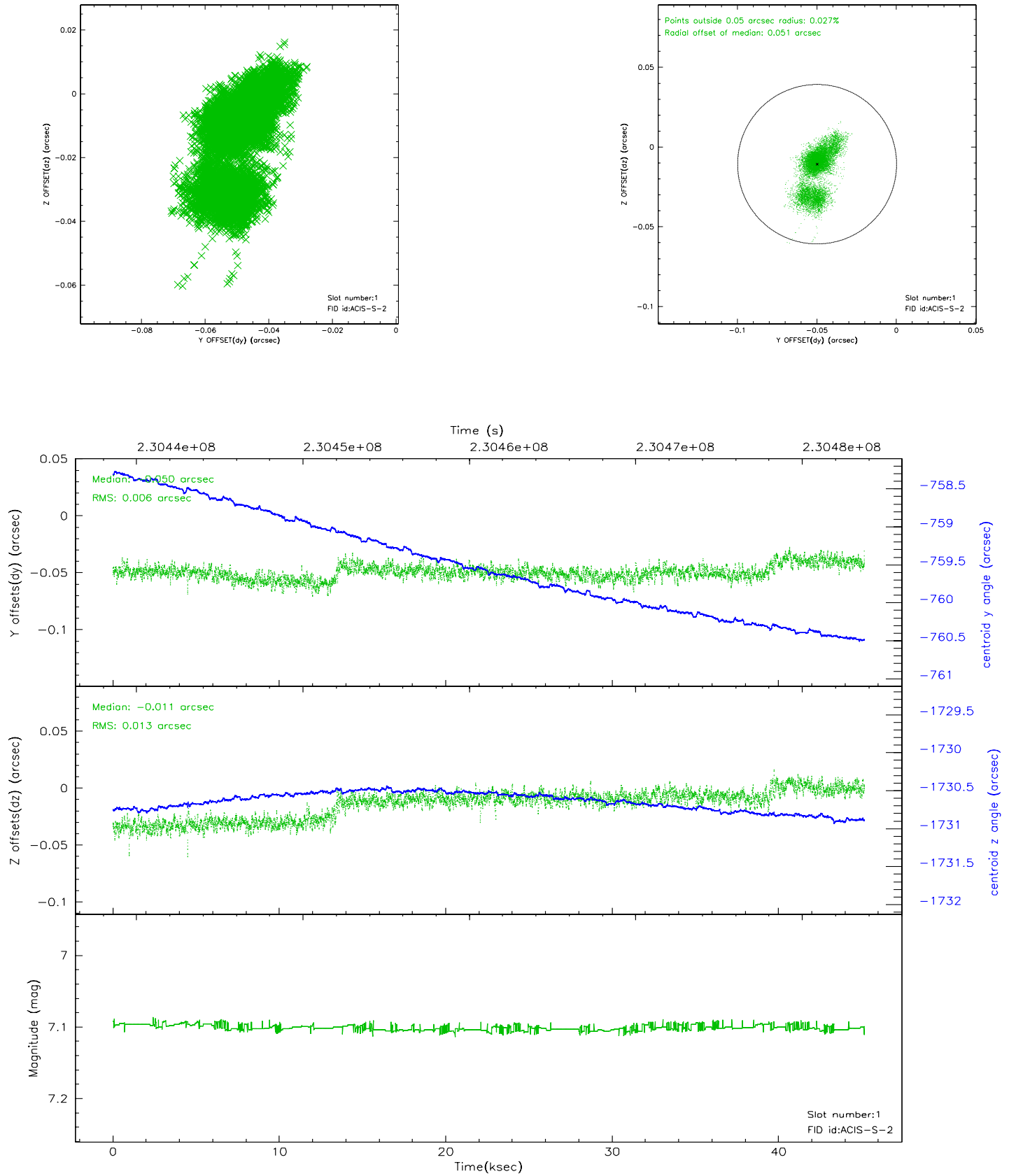


## 2.5 FID Slots

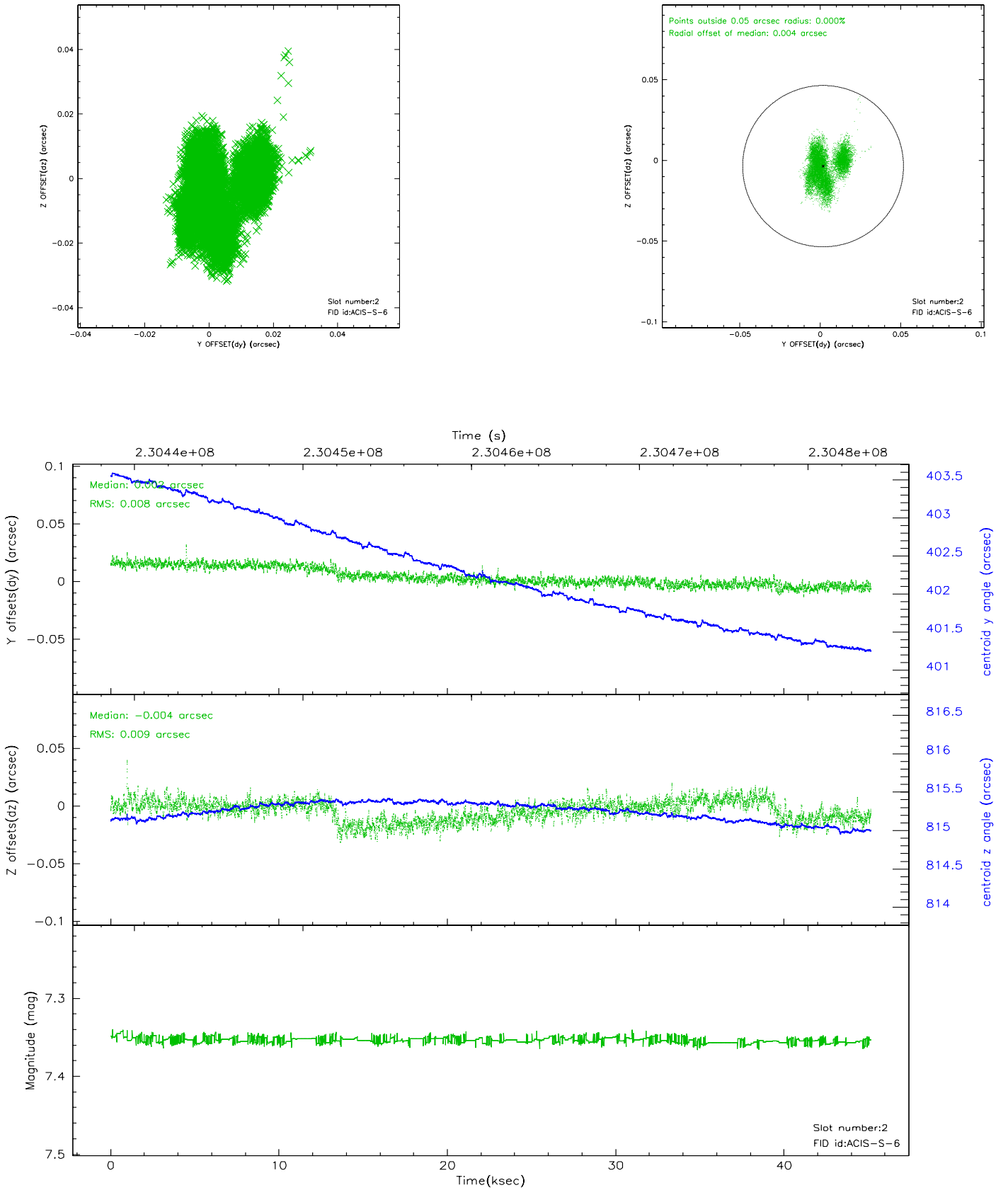
### 2.5.1 Slot 0



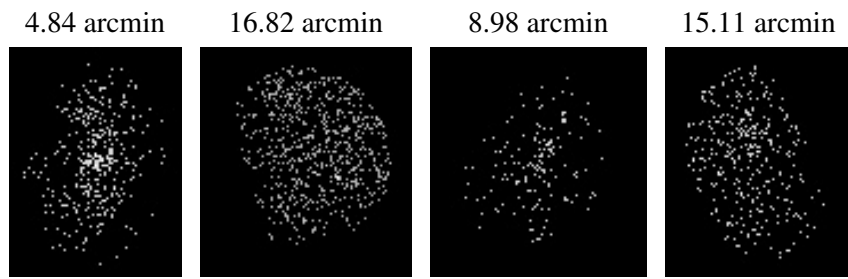
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.16389

## A.2 Comments

Streaks in column direction associated with the edges of the nodes on the CCD pass through some of the sources. This is not uncommon, but normally sources of interest are not at these points. Bias levels near node boundaries should be examined.