

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 1563 - L2 Version 001  
Chandra X-Ray Center

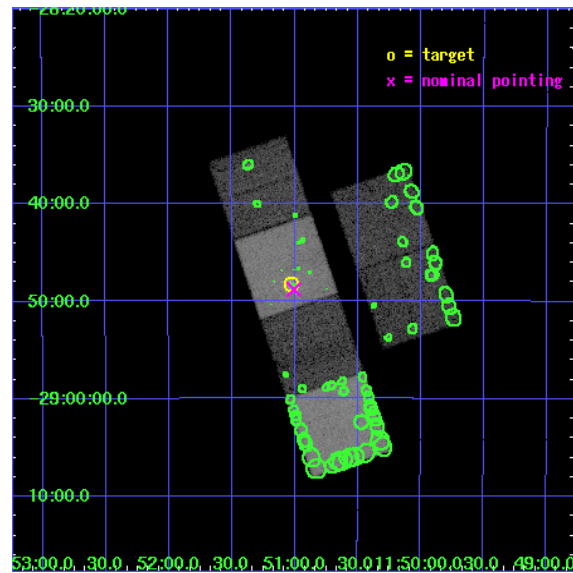
L2 Processing Date : Dec 8 2006

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# 1 Front

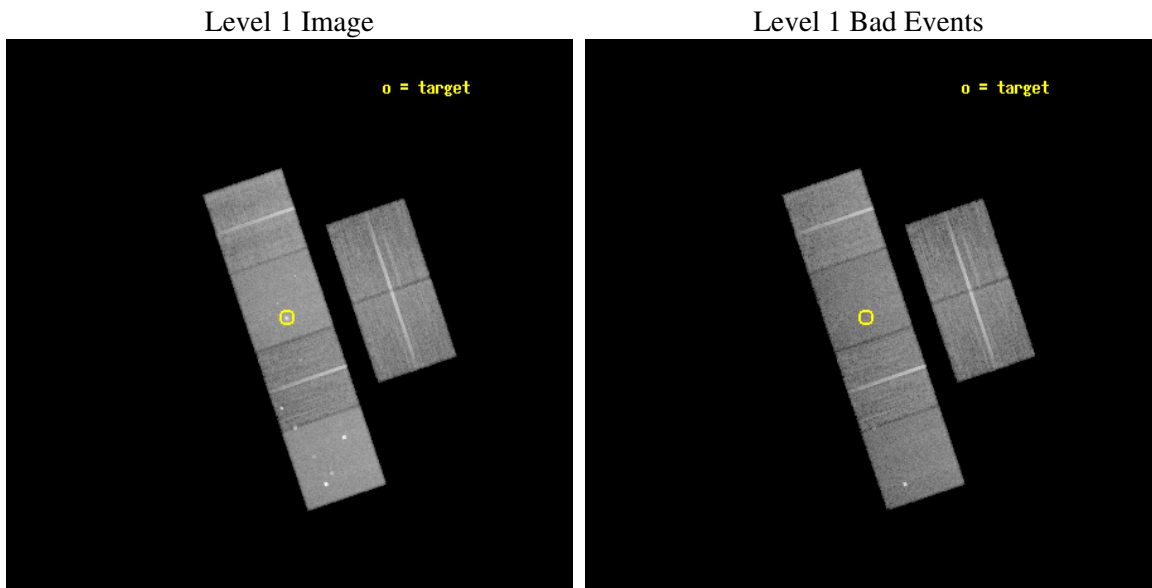
seq_num	600120
obs_id	1563
title	CHANDRA OBSERVATIONS OF THE ELLIPTICAL GALAXY NGC3923
observer	Dr. Stephen Murray
object	NGC3923
dtcycle	0
cycle	P
ra_targ	177.757083
dec_targ	-28.804778
ra_nom	177.75168135745
dec_nom	-28.813344853674
roll_nom	251.33923635912
revision	2
ontime	21379.200019911
livetime	21108.48371625
ontime2	21372.718129337
ontime3	21375.959059656
ontime5	21375.959089577
ontime6	21375.959059656
ontime7	21379.200019911
ontime8	21372.718129337
l2events	240856



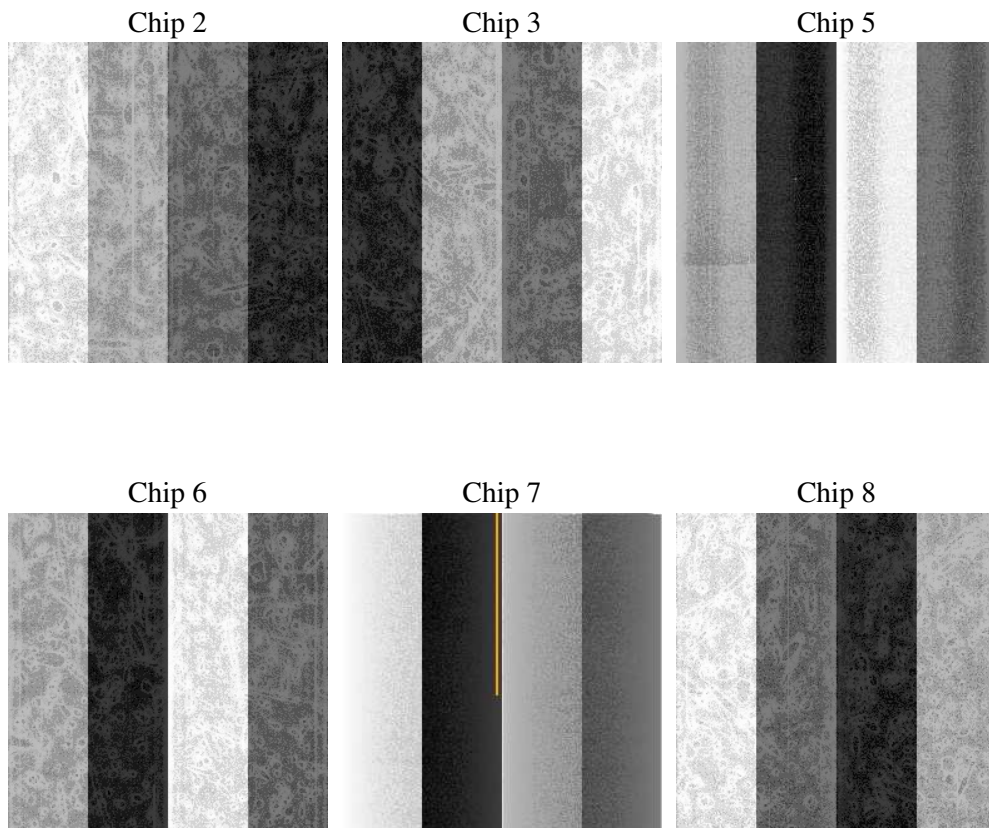
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.4
date	2006-12-08T05:29:10
revision	2

sched_exp_time	21625.672000
ontime	21384.109133482
ontime2	21377.627232924
ontime3	21380.868163243
ontime5	21380.868203148
ontime6	21380.86819315
ontime7	21384.109133482
ontime8	21377.62713322
l1events	1034330

### 2.1.4 Events

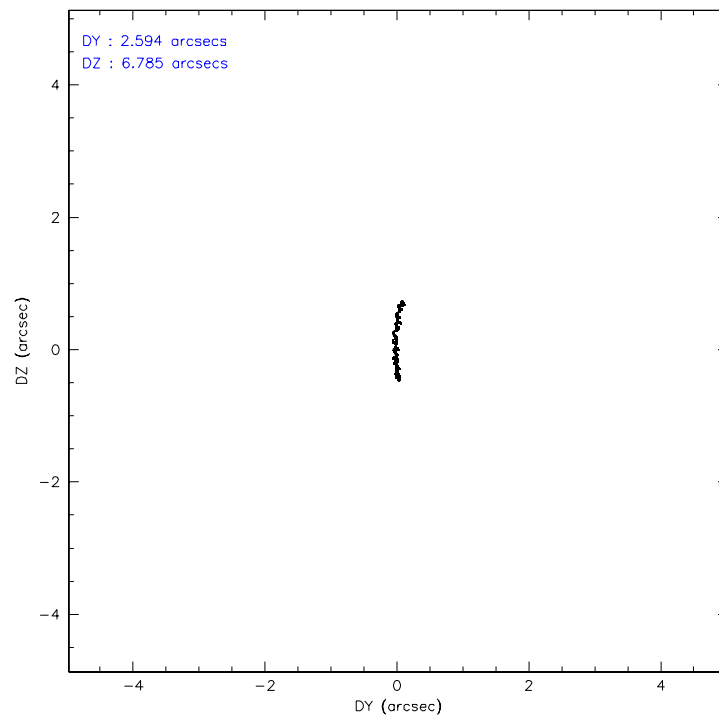
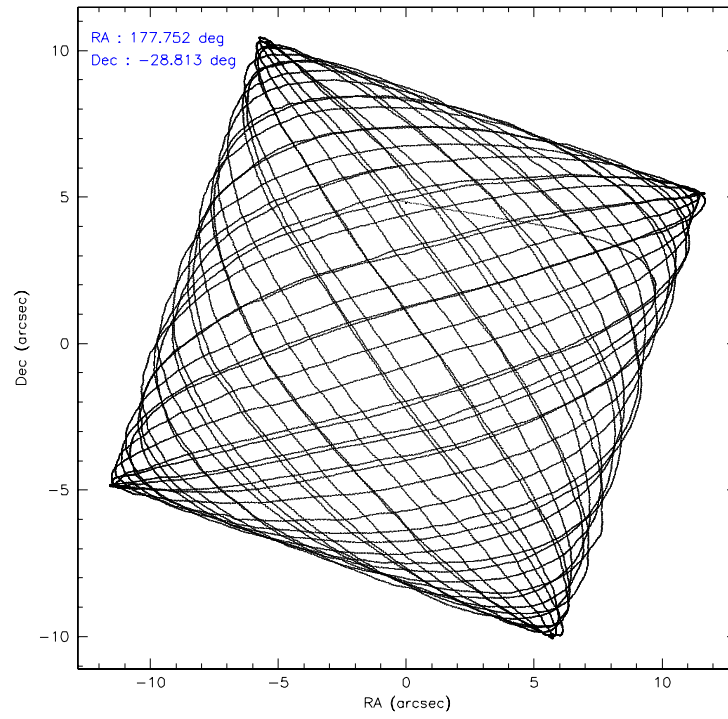
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	148736	141756	211759	144883	196368	190828
rejected events	130115	123997	111794	125062	111693	146542
rejected %	87%	87%	52%	86%	56%	76%

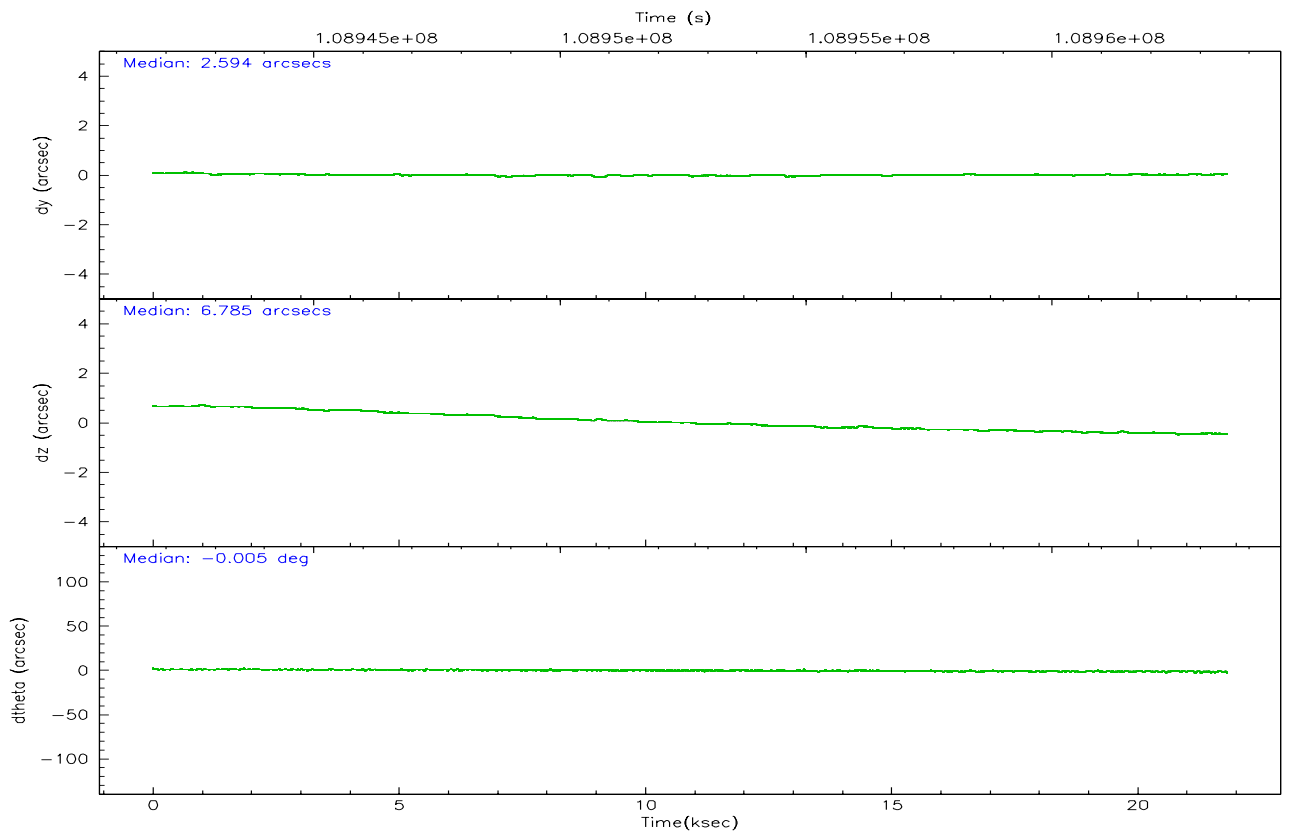
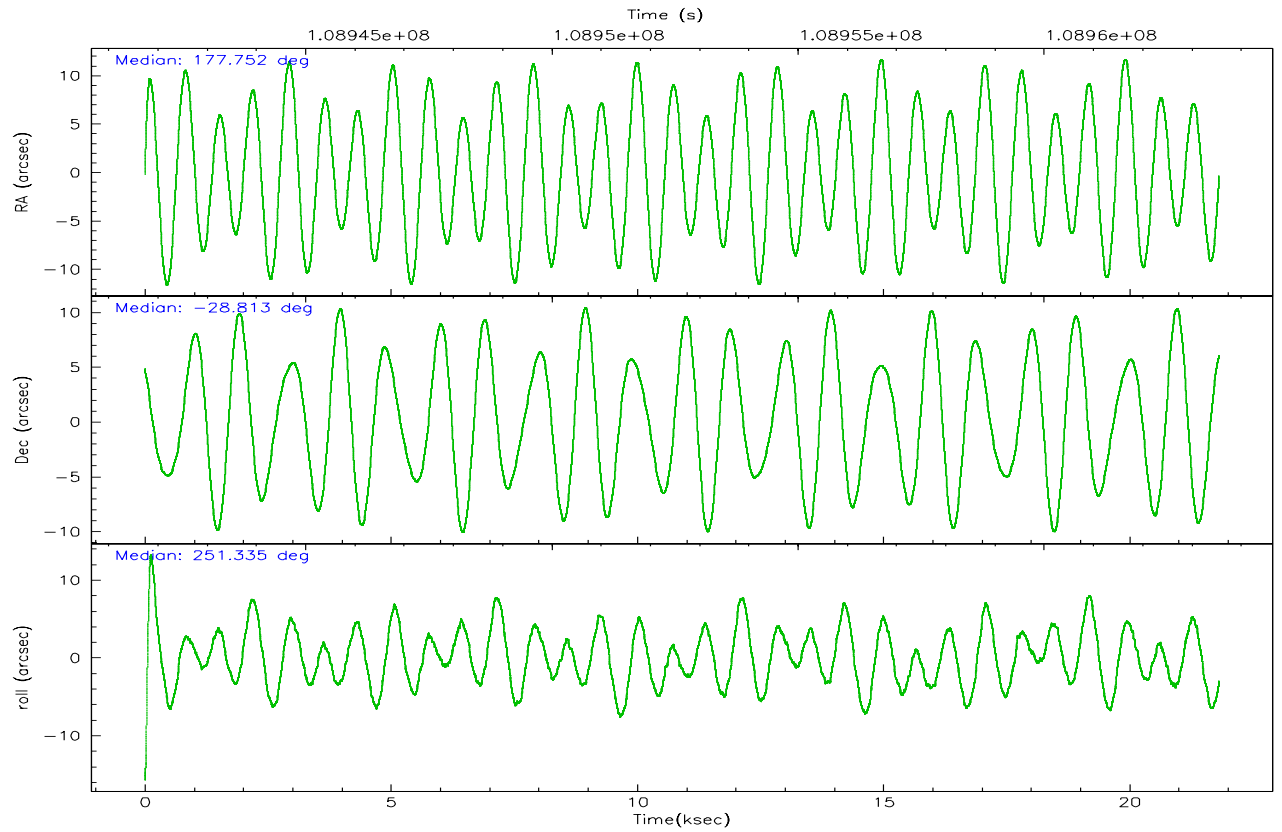
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	8447	7937	11172	9034	7794	15172
	5%	5%	5%	6%	3%	7%
grade 1 events	78	55	202	80	125	132
	0%	0%	0%	0%	0%	0%
grade 2 events	3956	3741	29844	3890	20562	8828
	2%	2%	14%	2%	10%	4%
grade 3 events	1598	1488	3275	1733	5149	5374
	1%	1%	1%	1%	2%	2%
grade 4 events	1498	1556	2388	1687	4876	4863
	1%	1%	1%	1%	2%	2%
grade 5 events	4920	5274	10633	5932	12180	7486
	3%	3%	5%	4%	6%	3%
grade 6 events	3128	3046	53326	3489	46322	10051
	2%	2%	25%	2%	23%	5%
grade 7 events	125111	118659	100919	119038	99360	138922
	84%	83%	47%	82%	50%	72%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	177.745250	177.7516813574459	Subarray requested	NONE	NONE
Pointing Dec	-28.786630	-28.81334485367369	Alternating exposures requested	N	N
Pointing Roll	251.179522	251.3392363591178	Primary exposure time	0.000000	3.2
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	108941926.184000	108941127.91488			
Observation start date	2001-06-14T21:37:42	2001-06-14T21:25:27			
Observation end time	108963551.184000	108963866.00327			
Observation end date	2001-06-15T03:38:07	2001-06-15T03:44:26			
Read mode	TIMED	TIMED			

## 2.3 Aspect





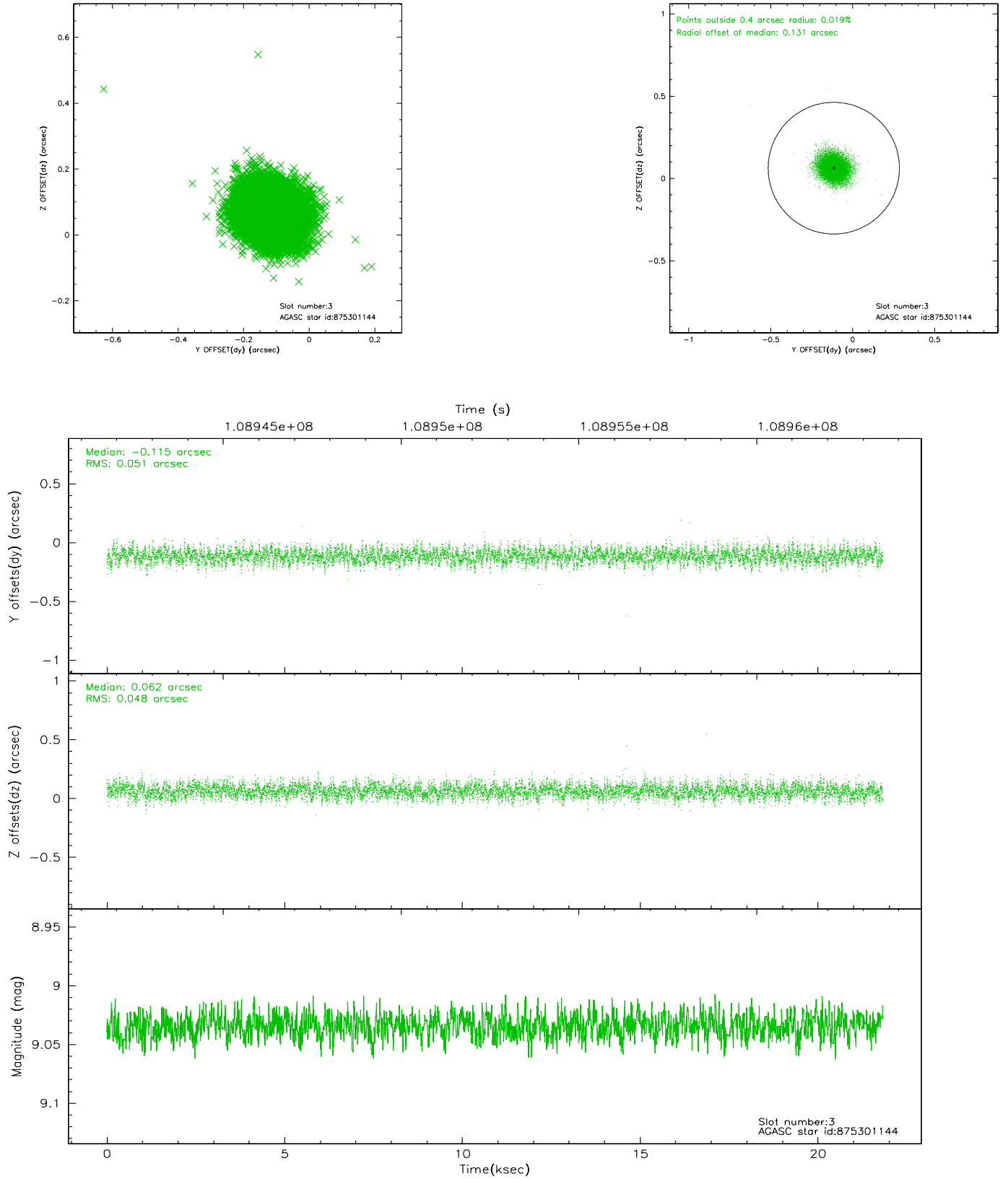
### Slot Statistics

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	5321	0.015	0.012	0.011	0.022	0.000000	0.000000	-755.20	-1727.99
1	FID	ACIS-S-4	7.20	5320	-0.049	-0.008	0.007	0.011	0.000000	0.000000	2157.93	180.33
2	FID	ACIS-S-6	7.35	5320	0.005	0.003	0.010	0.018	0.000000	0.000000	406.96	817.90
3	GUIDE	875301144	9.03	10640	-0.115	0.062	0.074	0.119	178.305115	-28.400581	-1882.66	1230.55
4	GUIDE	875175688	9.40	10625	0.194	0.067	0.079	0.129	177.575125	-29.128754	1339.85	-109.19
5	GUIDE	875300464	9.49	10639	-0.084	0.068	0.098	0.159	178.404263	-28.636939	-1175.45	1798.32
6	GUIDE	875174096	10.09	10640	-0.150	-0.184	0.133	0.212	177.355536	-28.280737	-1322.47	-1756.98
7	GUIDE	875176128	9.52	10639	0.148	-0.013	0.097	0.157	177.792980	-29.489014	2346.17	956.81

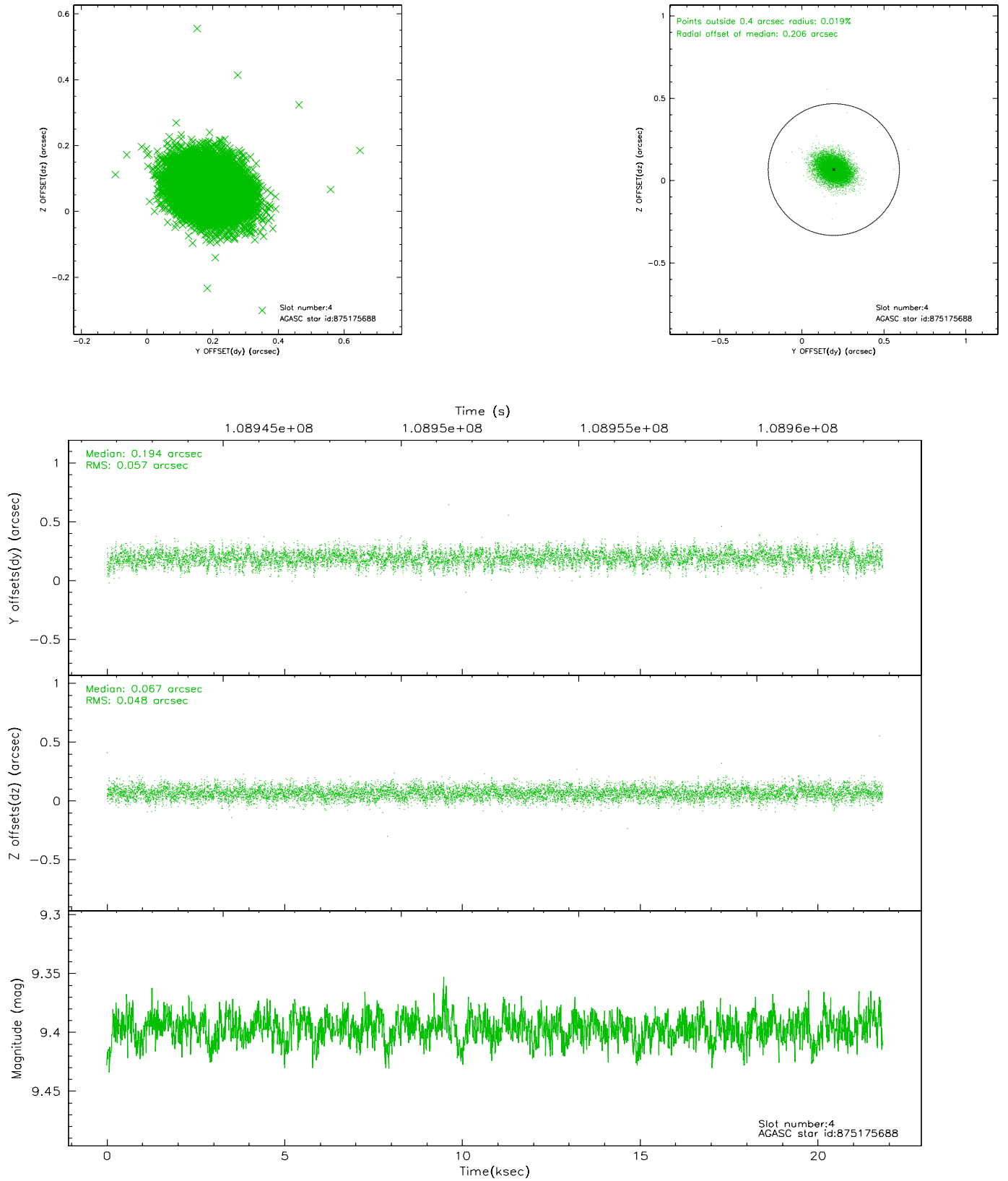


## 2.4 Star Slots

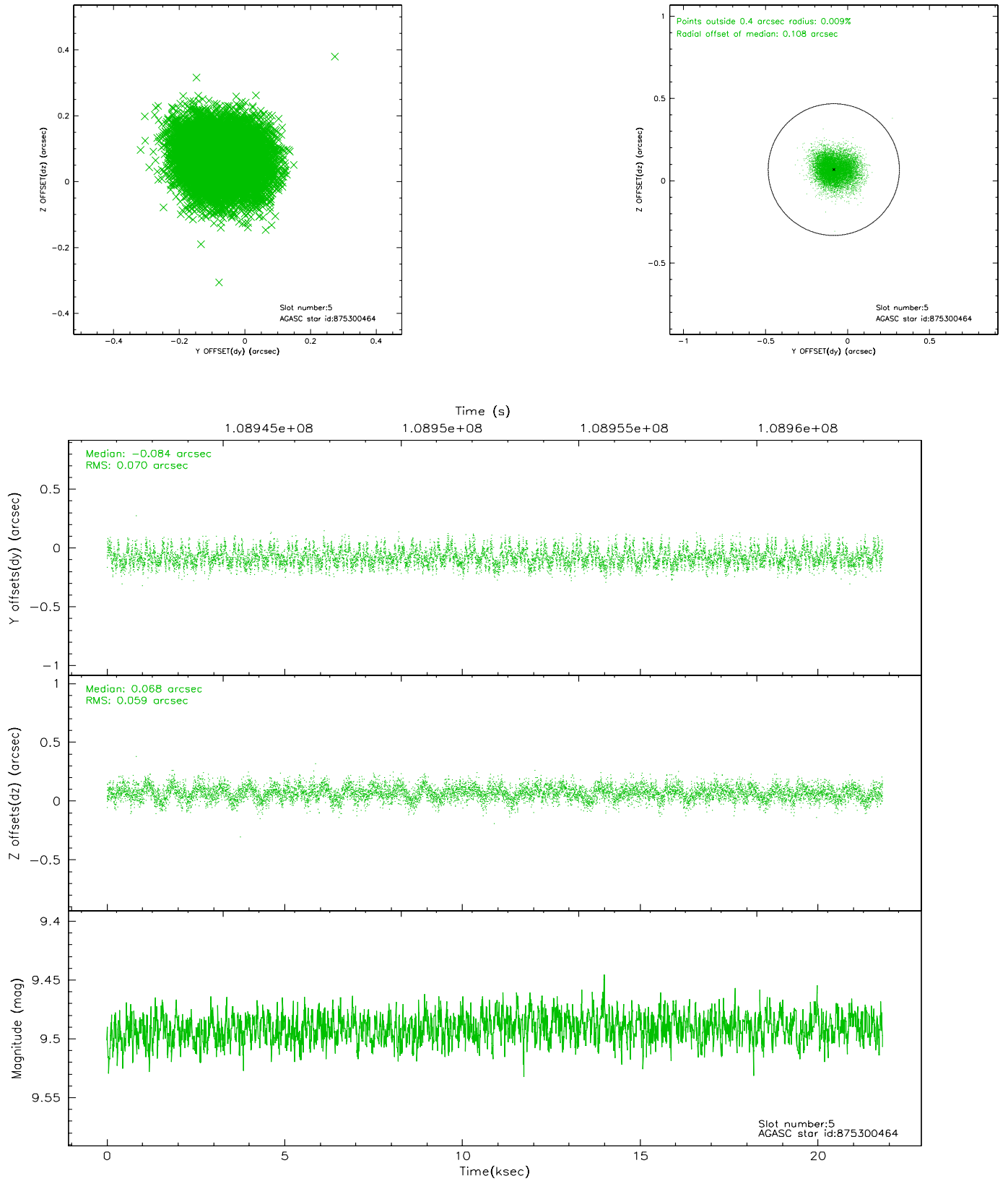
### 2.4.1 Slot 3



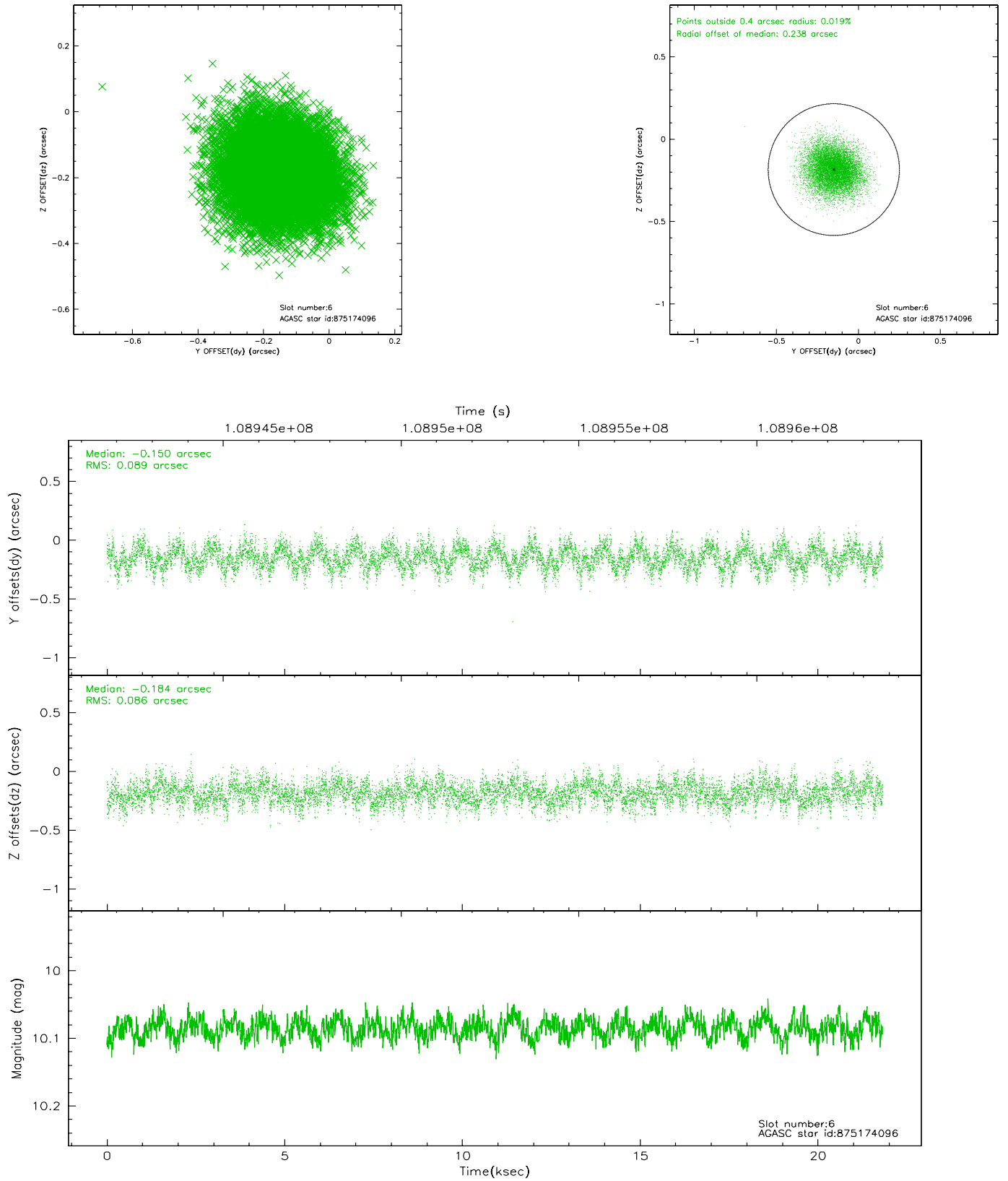
## 2.4.2 Slot 4



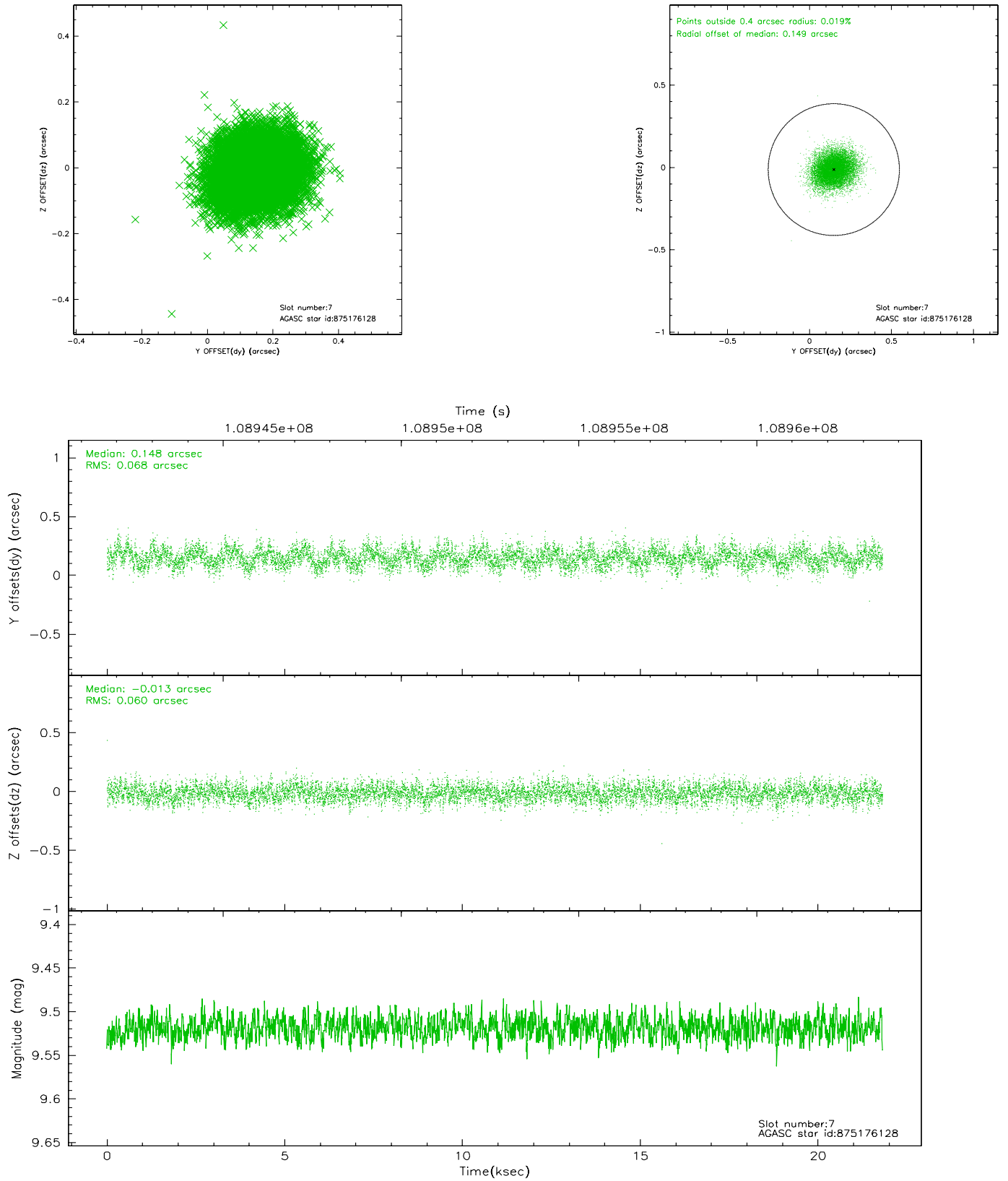
### 2.4.3 Slot 5



## 2.4.4 Slot 6

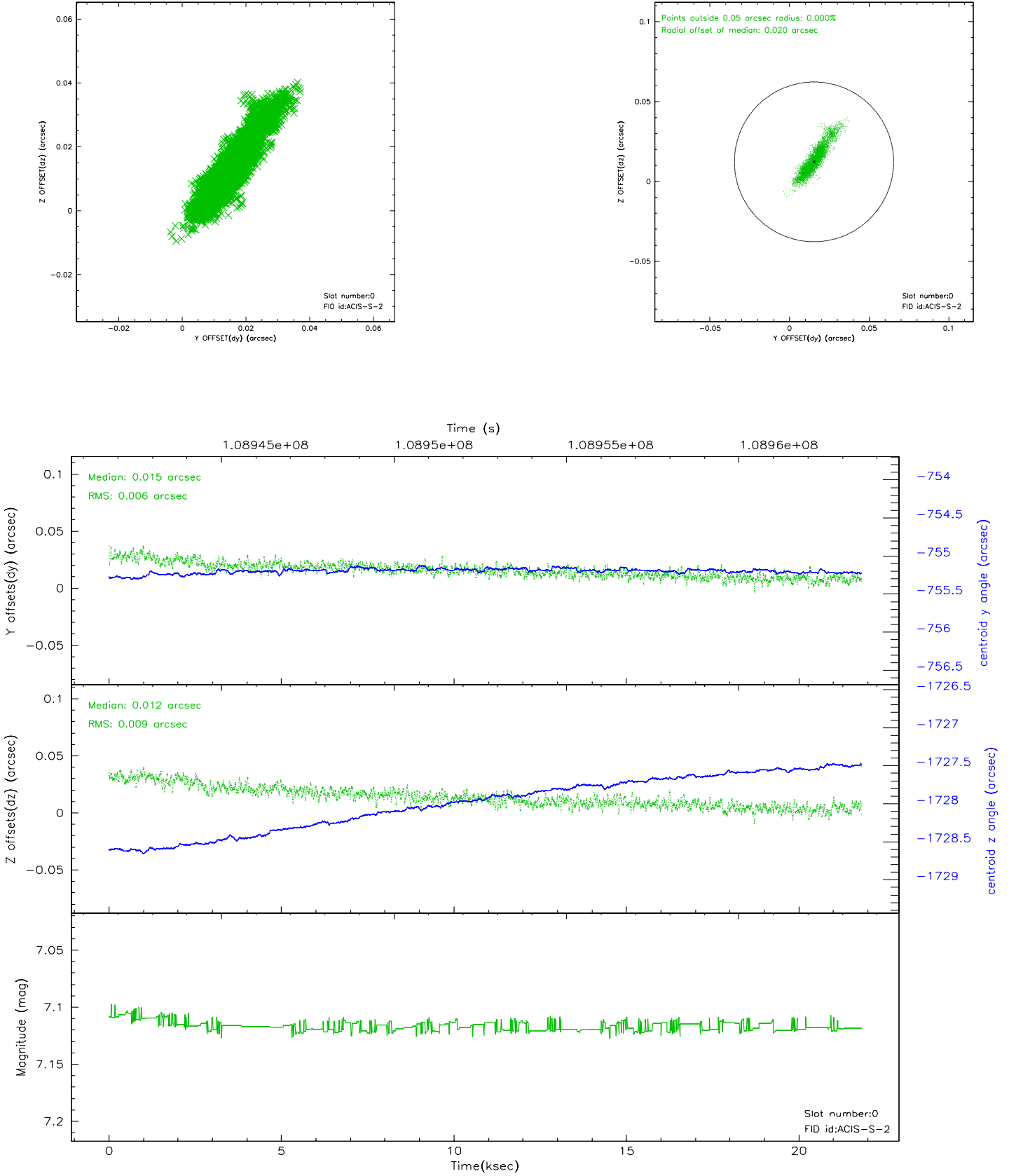


## 2.4.5 Slot 7

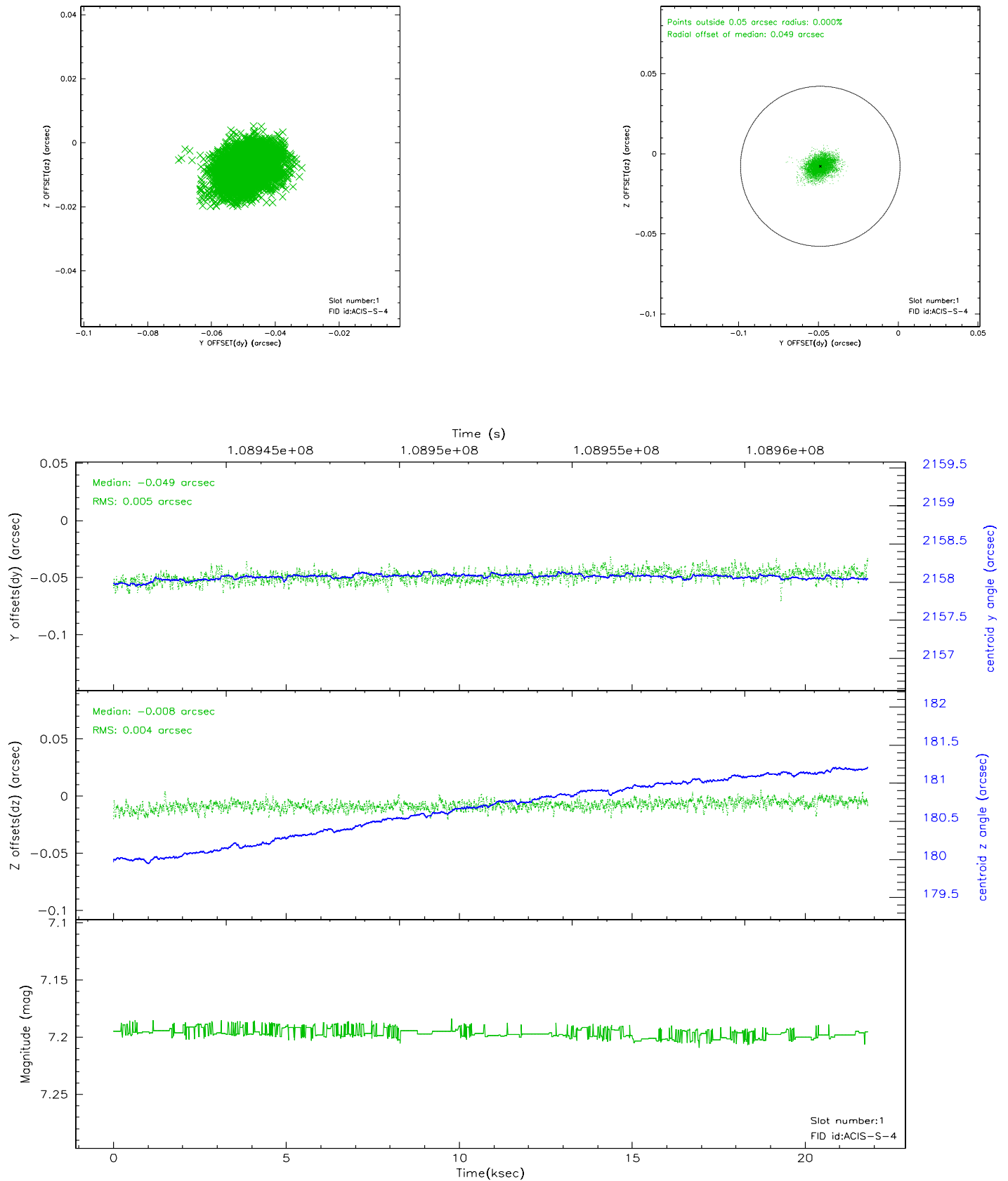


## 2.5 FID Slots

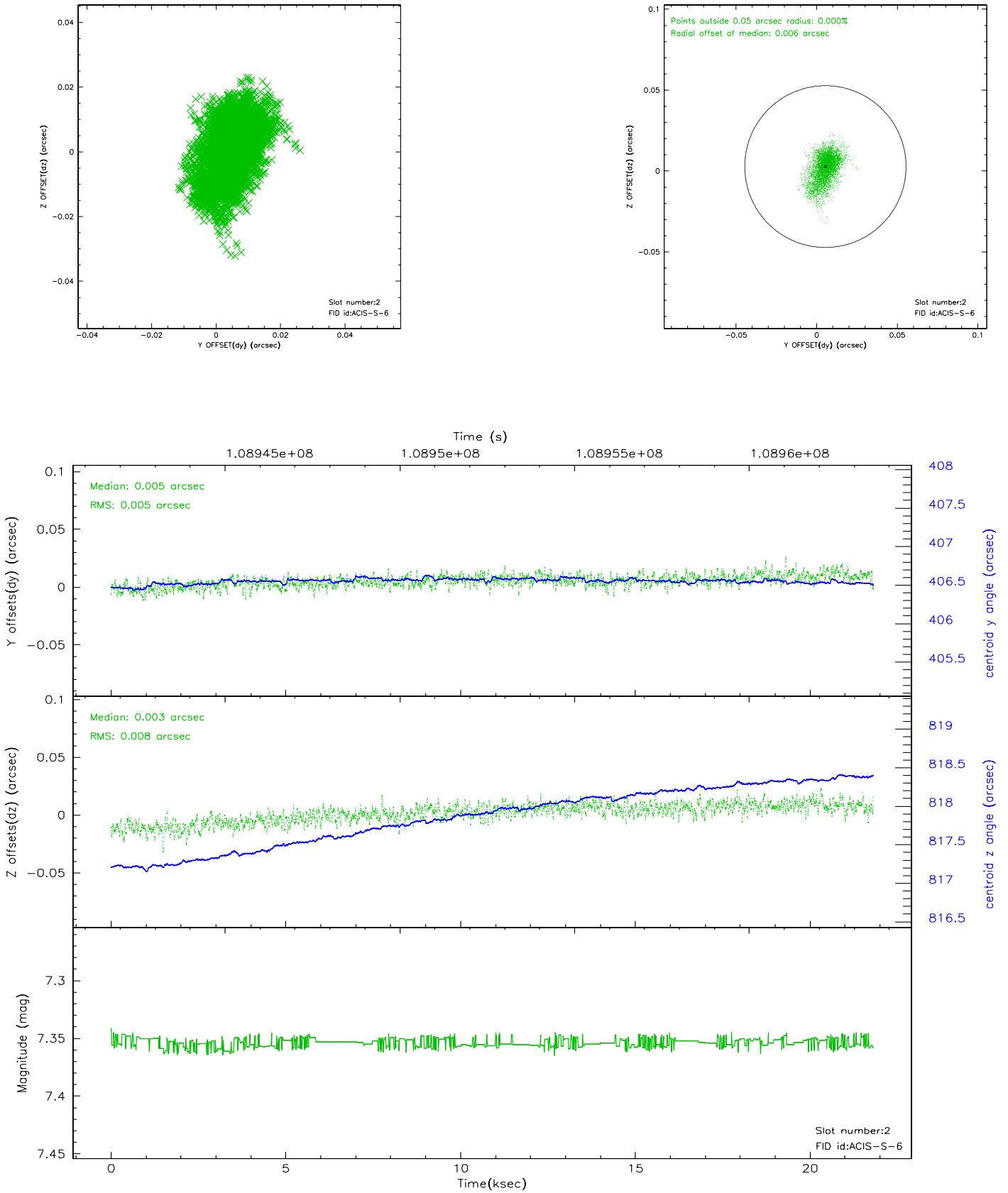
### 2.5.1 Slot 0



## 2.5.2 Slot 1

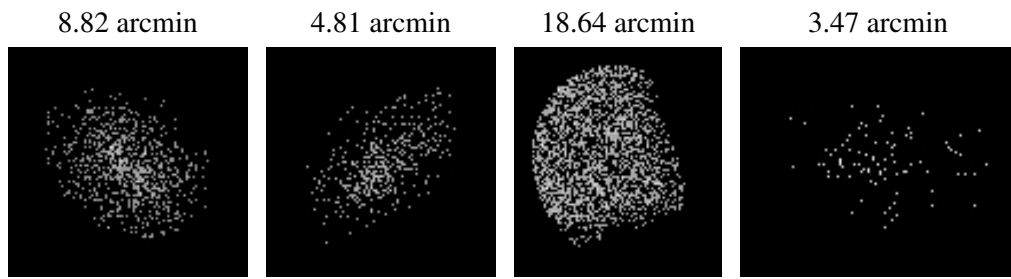


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.12.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.4

### A.2 Comments