

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 3712 - L2 Version 001  
Chandra X-Ray Center

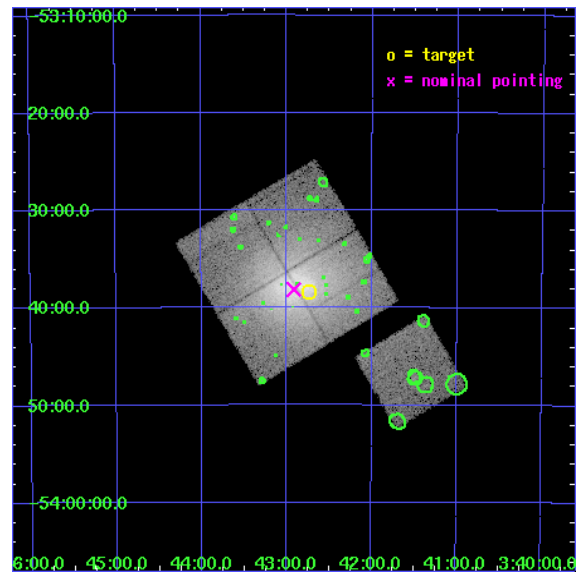
L2 Processing Date : Oct 17 2006

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# 1 Front

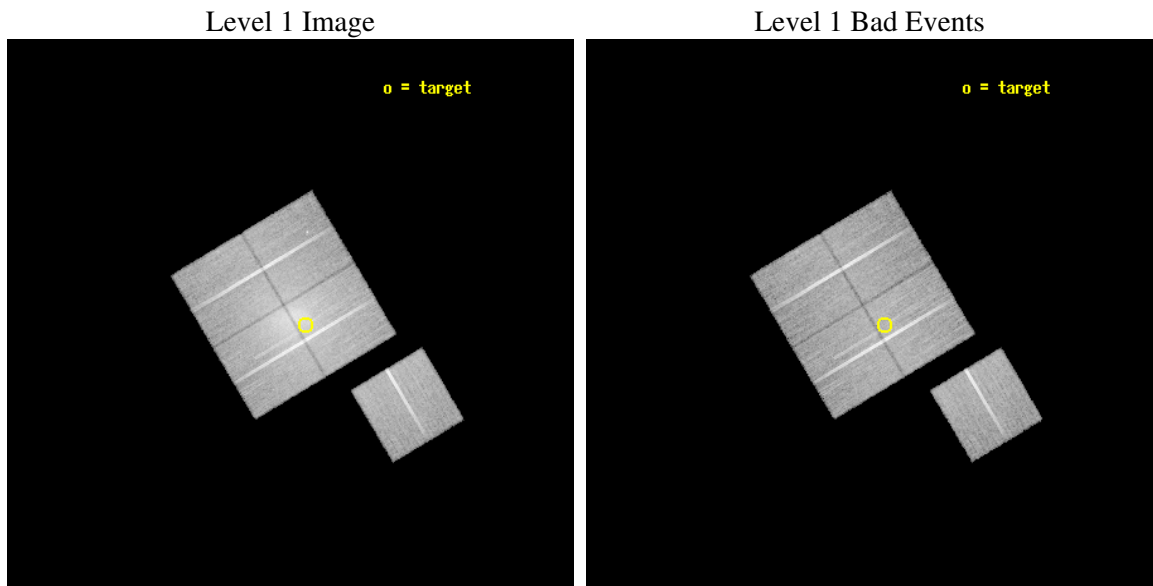
seq_num	800201
obs_id	3712
title	GAS DENSITY DISCONTINUITIES IN MERGING CLUSTERS
observer	Dr Maxim Markevitch
object	A3158
dtcycle	0
cycle	P
ra_targ	55.682917
dec_targ	-53.641
ra_nom	55.728883429705
dec_nom	-53.635805439461
roll_nom	149.24568523154
revision	2
ontime	31375.058979452
livetime	30965.120735903
ontime0	31371.918019235
ontime1	31378.199939668
ontime2	31375.058979452
ontime3	31375.058979452
ontime6	31378.199939668
l2events	203857



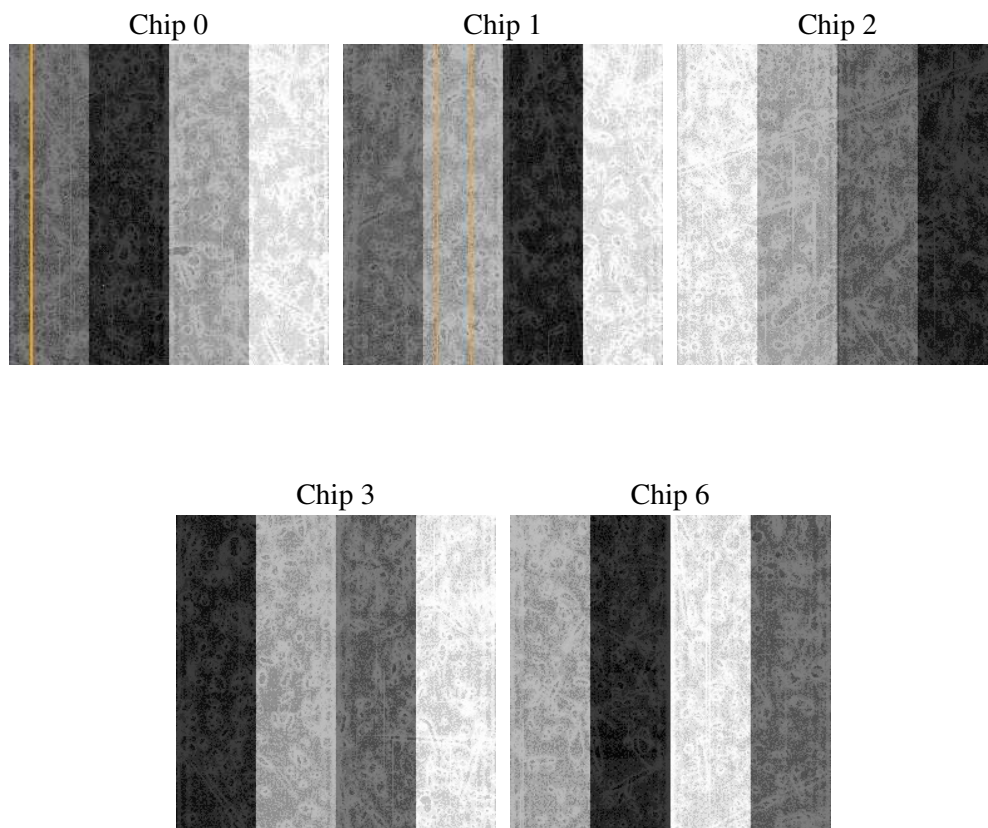
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-17T20:22:36
revision	2

sched_exp_time	31261.310000
ontime	31381.73399514
ontime0	31378.593054831
ontime1	31384.874975264
ontime2	31381.73399514
ontime3	31381.734015048
ontime6	31384.874975264
l1events	986724

### 2.1.4 Events

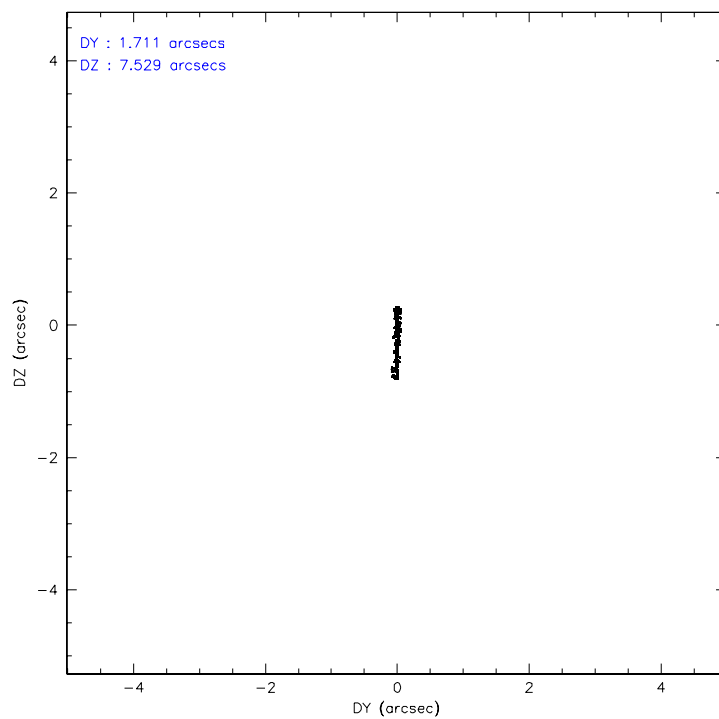
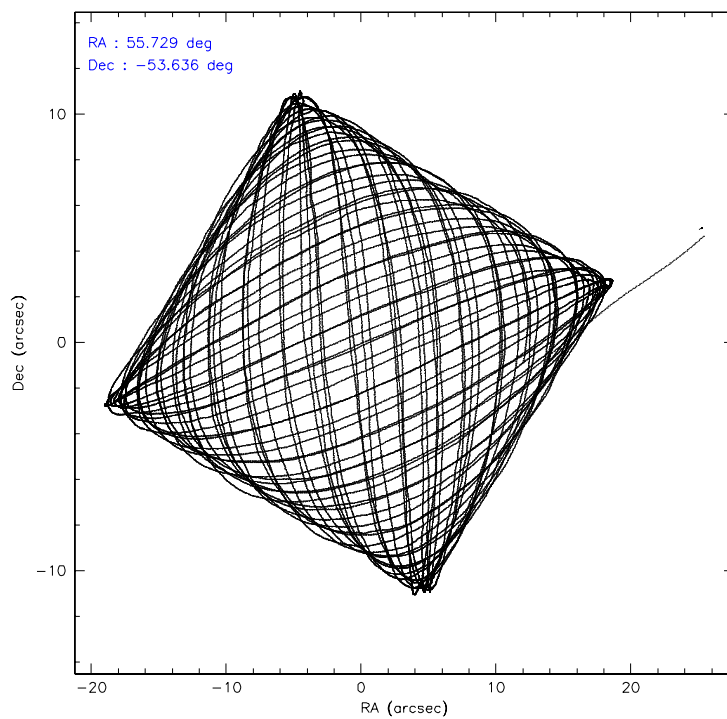
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	173869	178508	241807	221312	171228
rejected events	140852	142131	168201	157353	151959
rejected %	81%	79%	69%	71%	88%

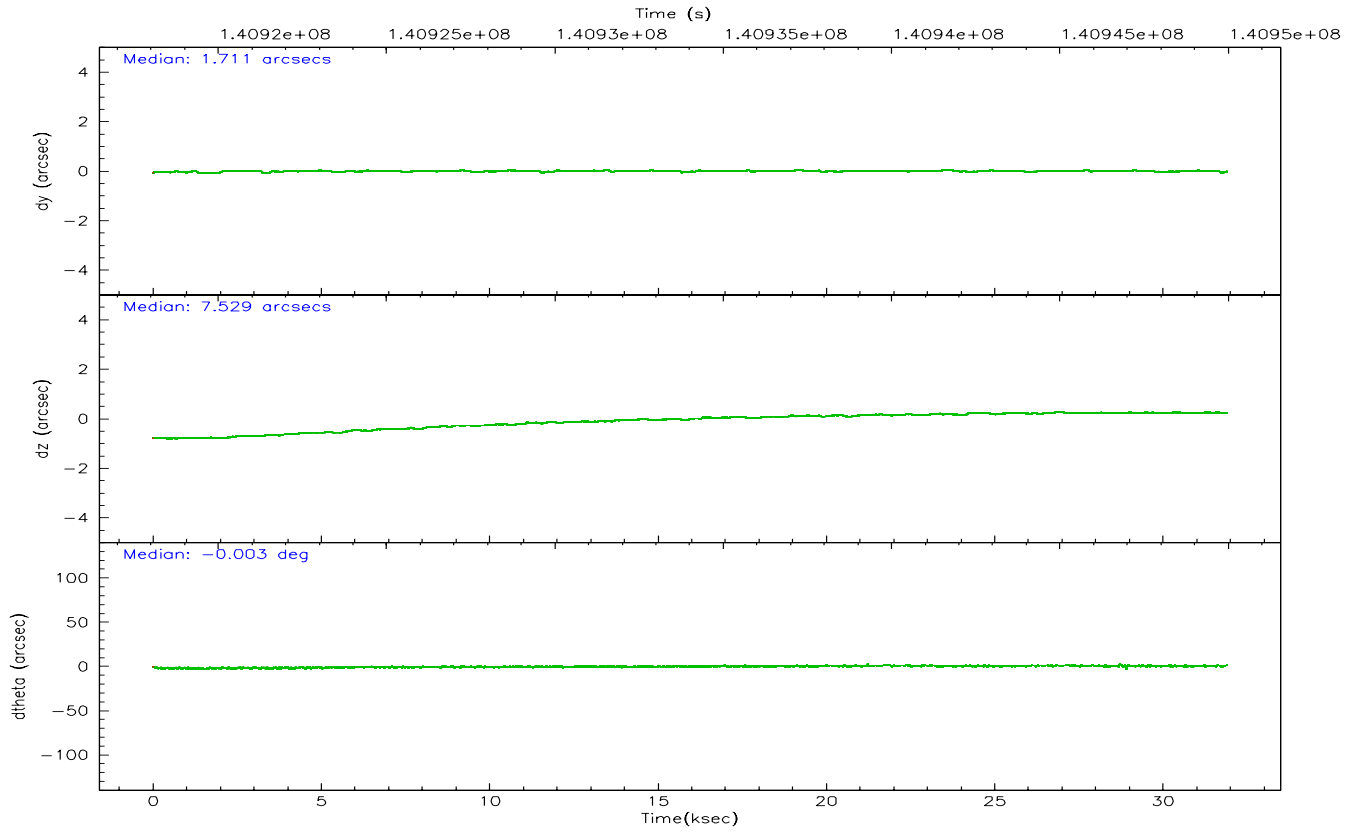
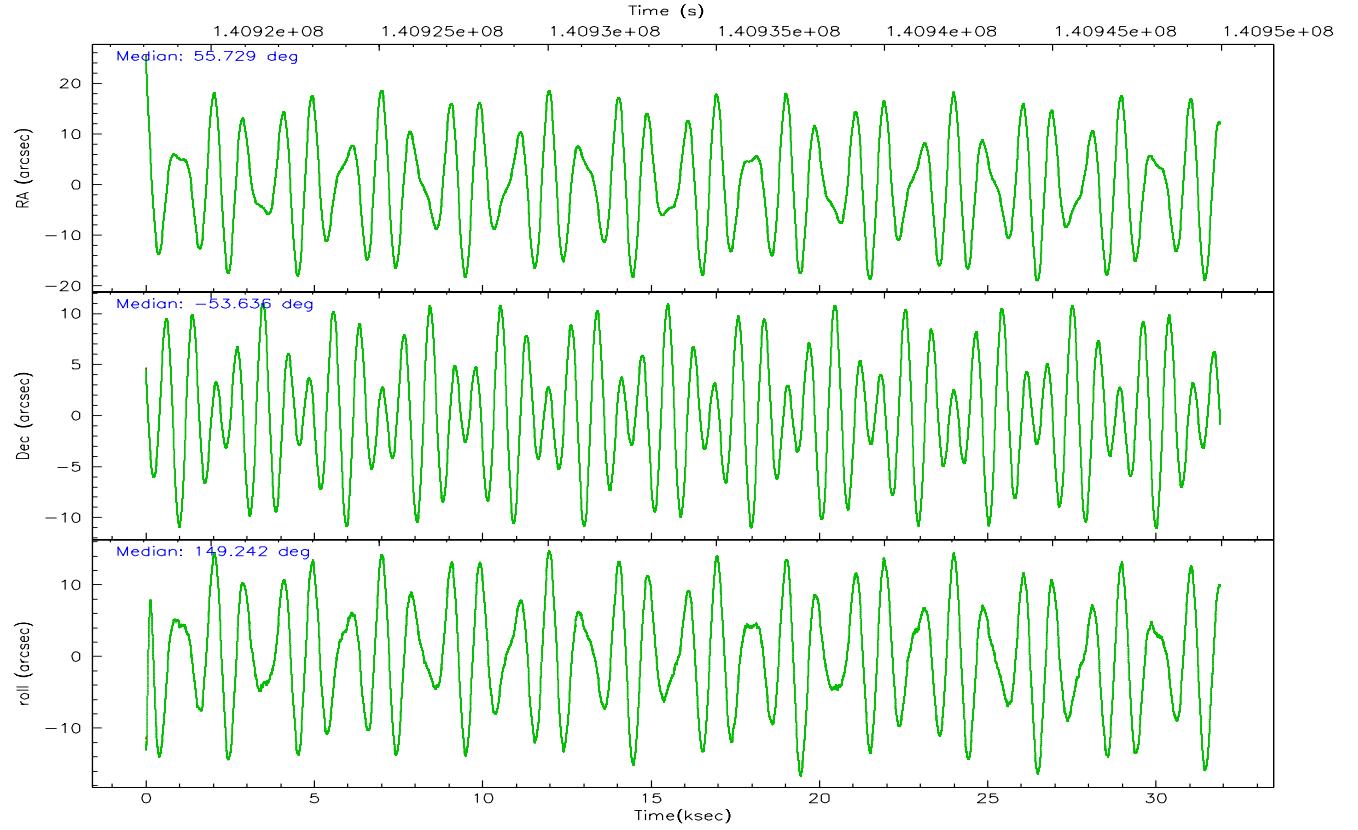
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	19268	21508	53051	45504	8099
	11%	12%	21%	20%	4%
grade 1 events	123	130	227	244	71
	0%	0%	0%	0%	0%
grade 2 events	5323	5602	9424	7902	3674
	3%	3%	3%	3%	2%
grade 3 events	2531	2712	3366	3214	1973
	1%	1%	1%	1%	1%
grade 4 events	2276	2578	3358	3068	1976
	1%	1%	1%	1%	1%
grade 5 events	5533	6120	5488	6235	6341
	3%	3%	2%	2%	3%
grade 6 events	3624	3990	4419	4283	3554
	2%	2%	1%	1%	2%
grade 7 events	135191	135868	162474	150862	145540
	77%	76%	67%	68%	84%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	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	55.775092	55.72888342970501	Subarray requested	NONE	NONE
Pointing Dec	-53.636083	-53.6358054394614	Alternating exposures requested	N	N
Pointing Roll	149.074220	149.2456852315437	Primary exposure time	0.000000	3.1
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-229.592463	-229.5846445007452			
SIM translation stage offset (mm)	-4	-4.007808502184531			
Observation start time	140918707.184000	140917519.65748			
Observation start date	2002-06-20T00:04:03	2002-06-19T23:45:19			
Observation end time	140949968.184000	140950282.75883			
Observation end date	2002-06-20T08:45:04	2002-06-20T08:51:22			
Read mode	TIMED	TIMED			

## 2.3 Aspect





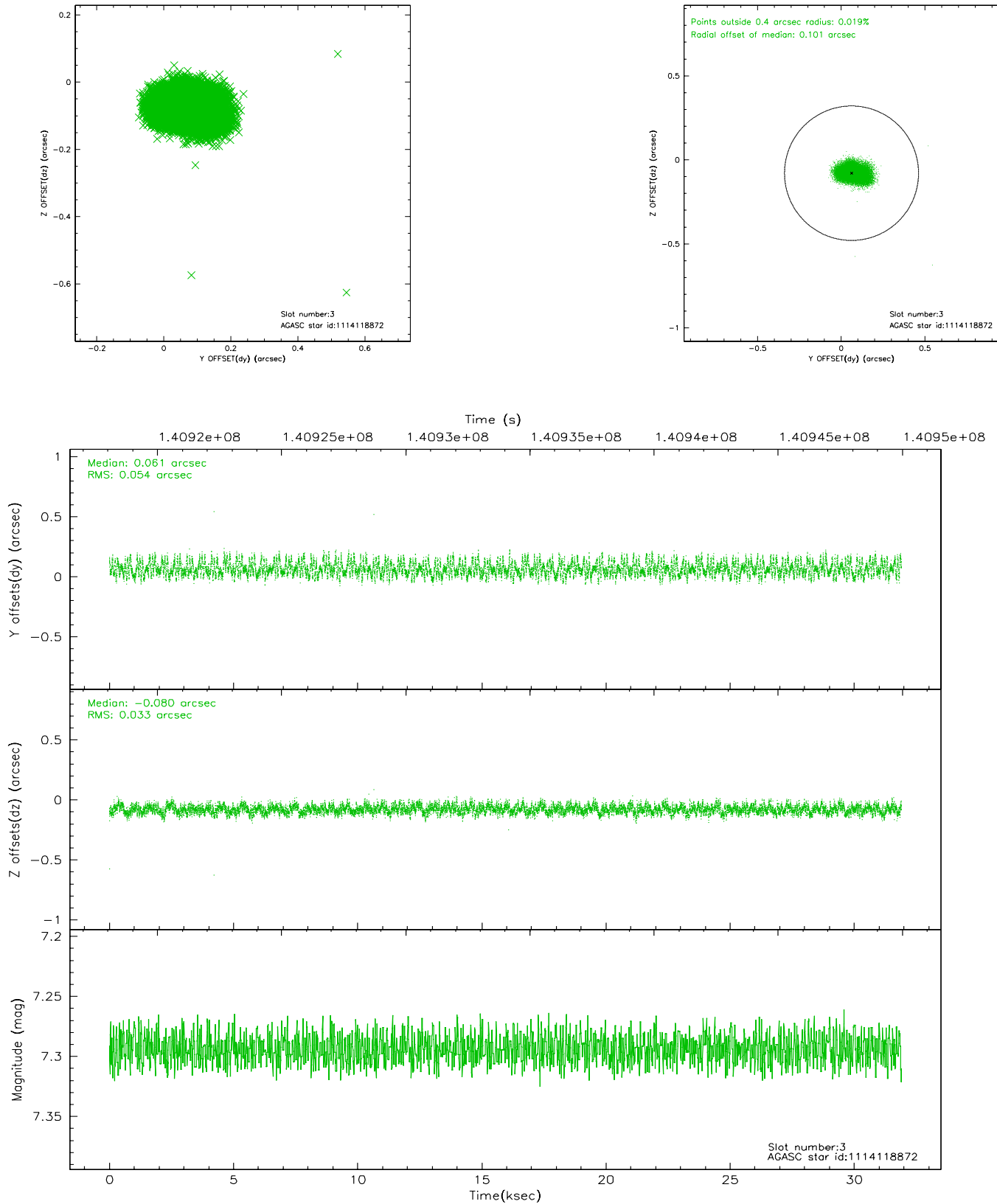
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-3	7.42	7782	-0.030	0.237	0.010	0.017	0.000000	0.000000	55.45	-1046.05
1	FID	ACIS-I-5	7.24	7781	-0.085	-0.023	0.009	0.014	0.000000	0.000000	-1810.24	984.32
2	FID	ACIS-I-6	7.27	7782	0.022	-0.145	0.009	0.013	0.000000	0.000000	403.52	1628.83
3	GUIDE	1114118872	7.29	15559	0.061	-0.080	0.067	0.110	56.068532	-54.477824	-2084.77	2284.64
4	GUIDE	1114117784	7.92	15496	0.145	-0.012	0.062	0.104	56.191874	-54.166281	-1736.02	1188.09
5	GUIDE	1114120328	8.00	15559	-0.052	-0.037	0.061	0.096	55.167791	-53.738234	916.90	984.73
6	GUIDE	1114119656	9.33	15555	-0.031	0.126	0.069	0.112	55.642480	-53.276810	909.36	-962.37
7	GUIDE	1114113800	9.61	15481	-0.125	0.004	0.107	0.181	54.861207	-53.366759	2175.53	187.92

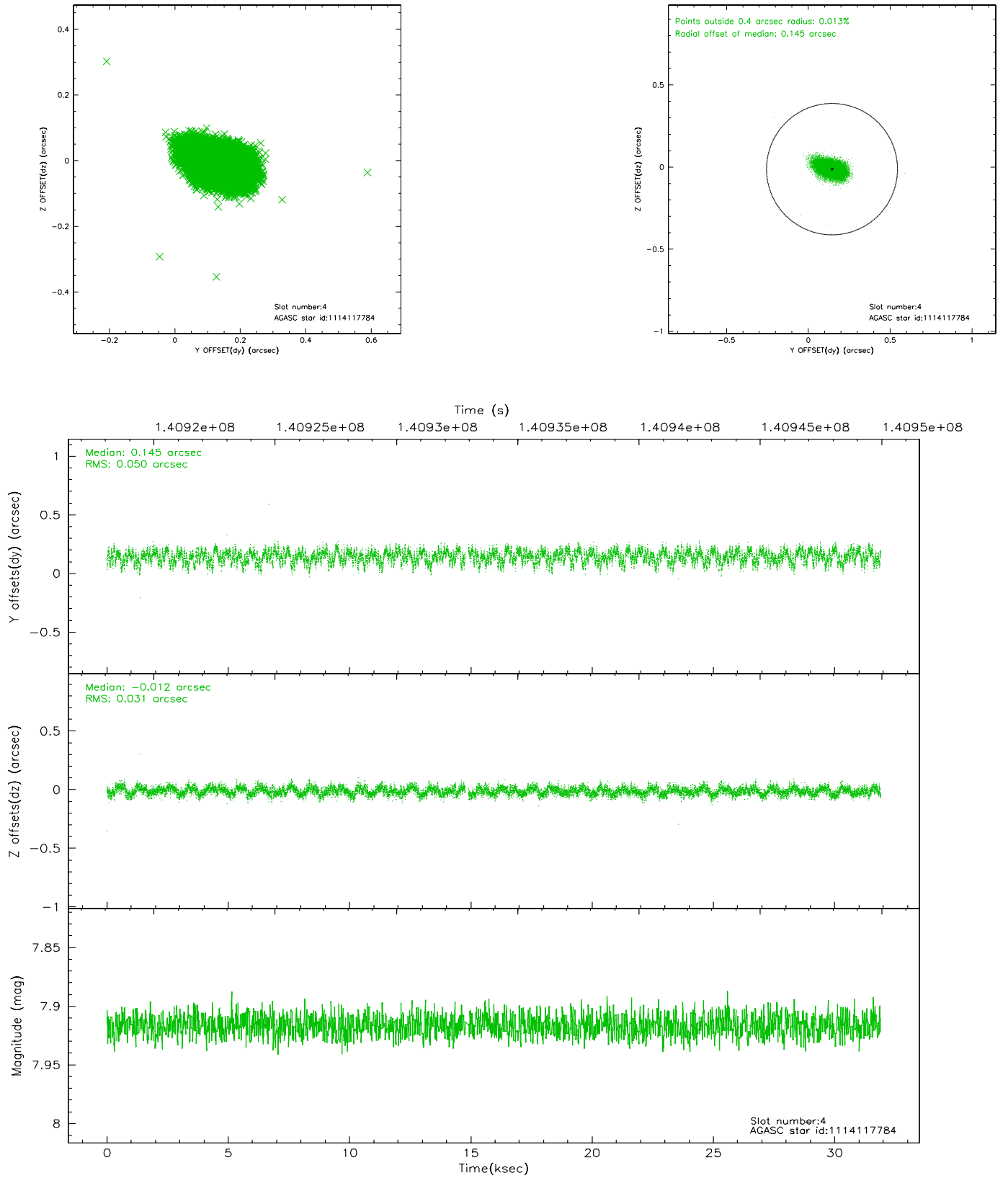


## 2.4 Star Slots

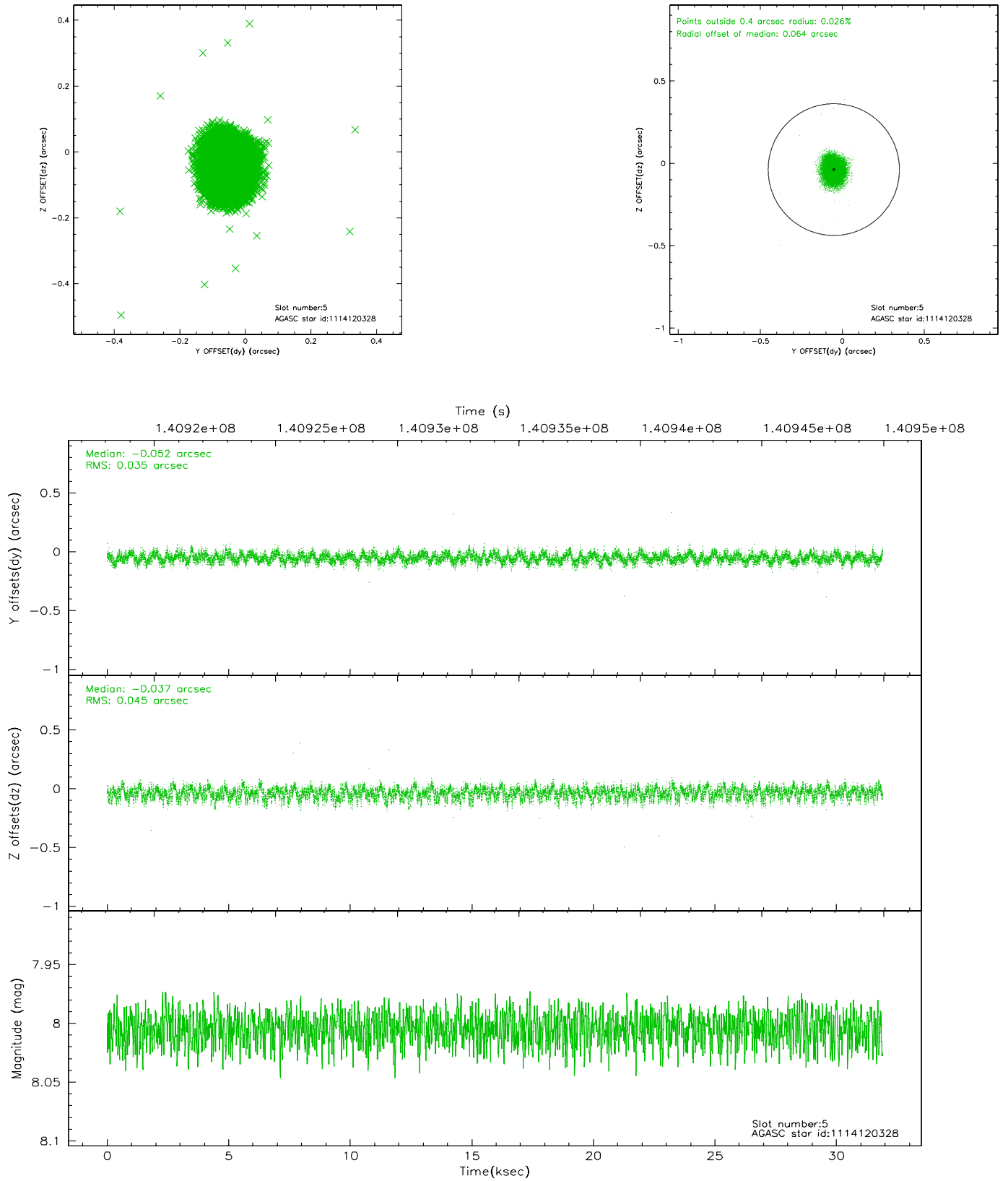
### 2.4.1 Slot 3



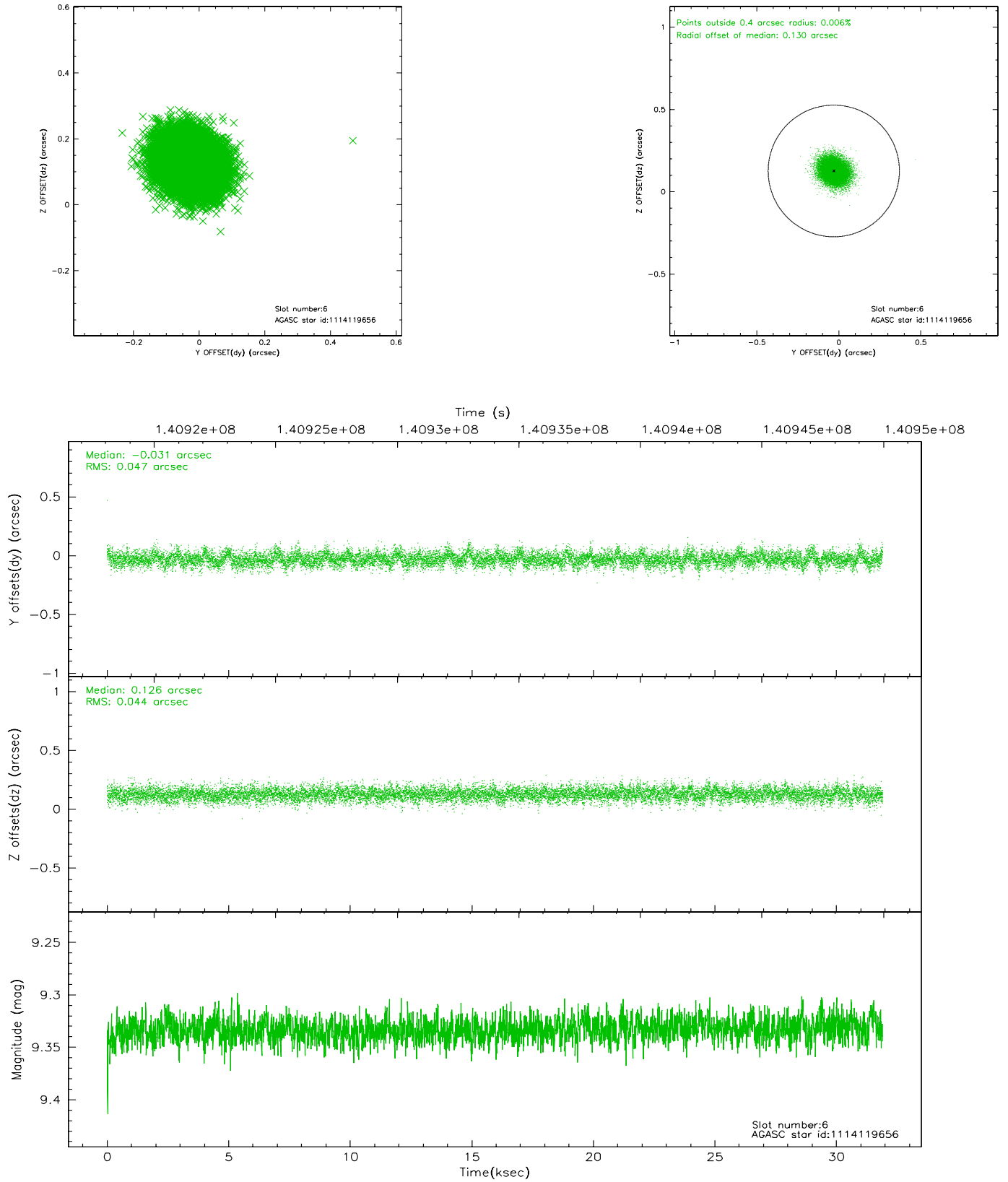
## 2.4.2 Slot 4



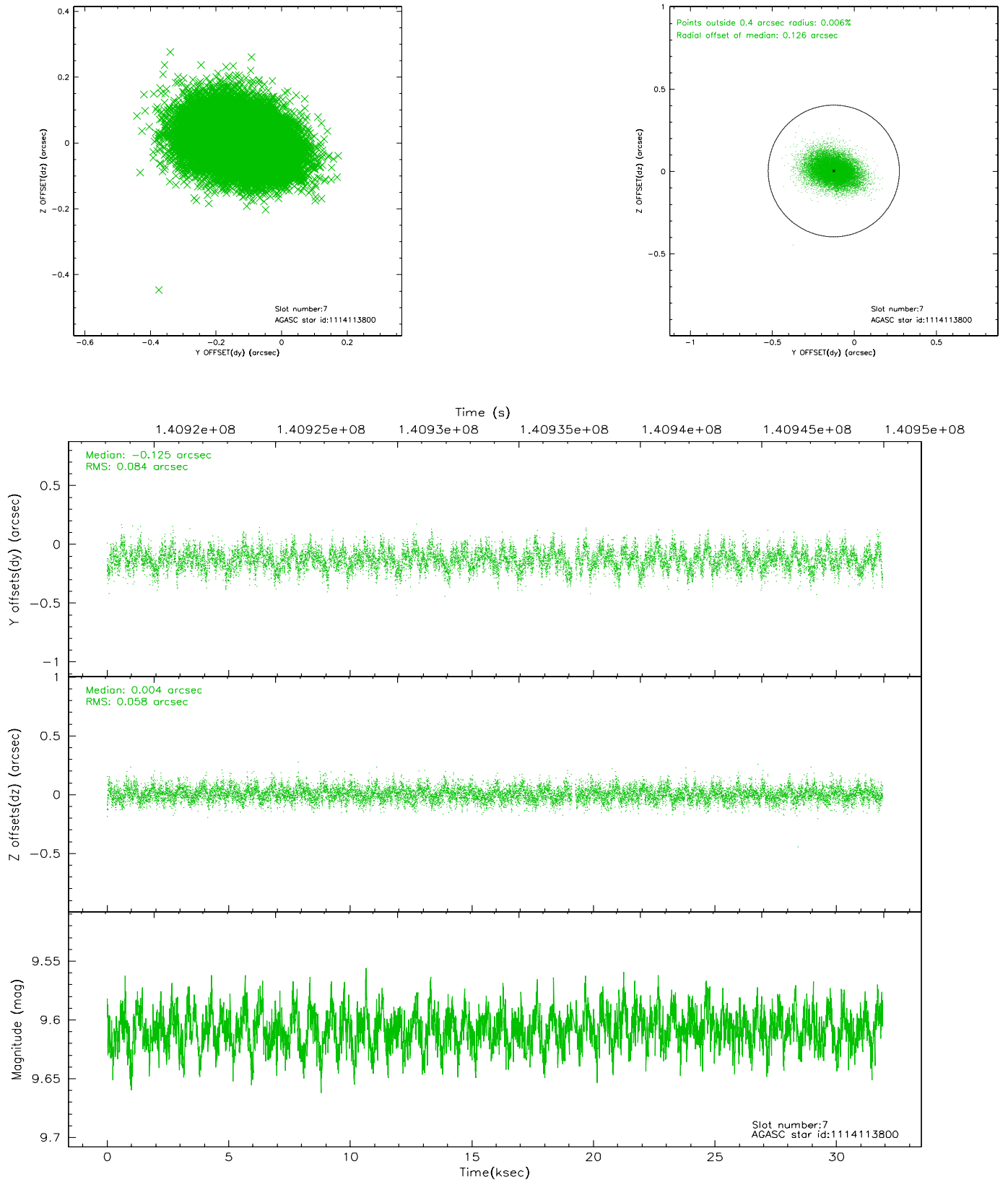
### 2.4.3 Slot 5



## 2.4.4 Slot 6

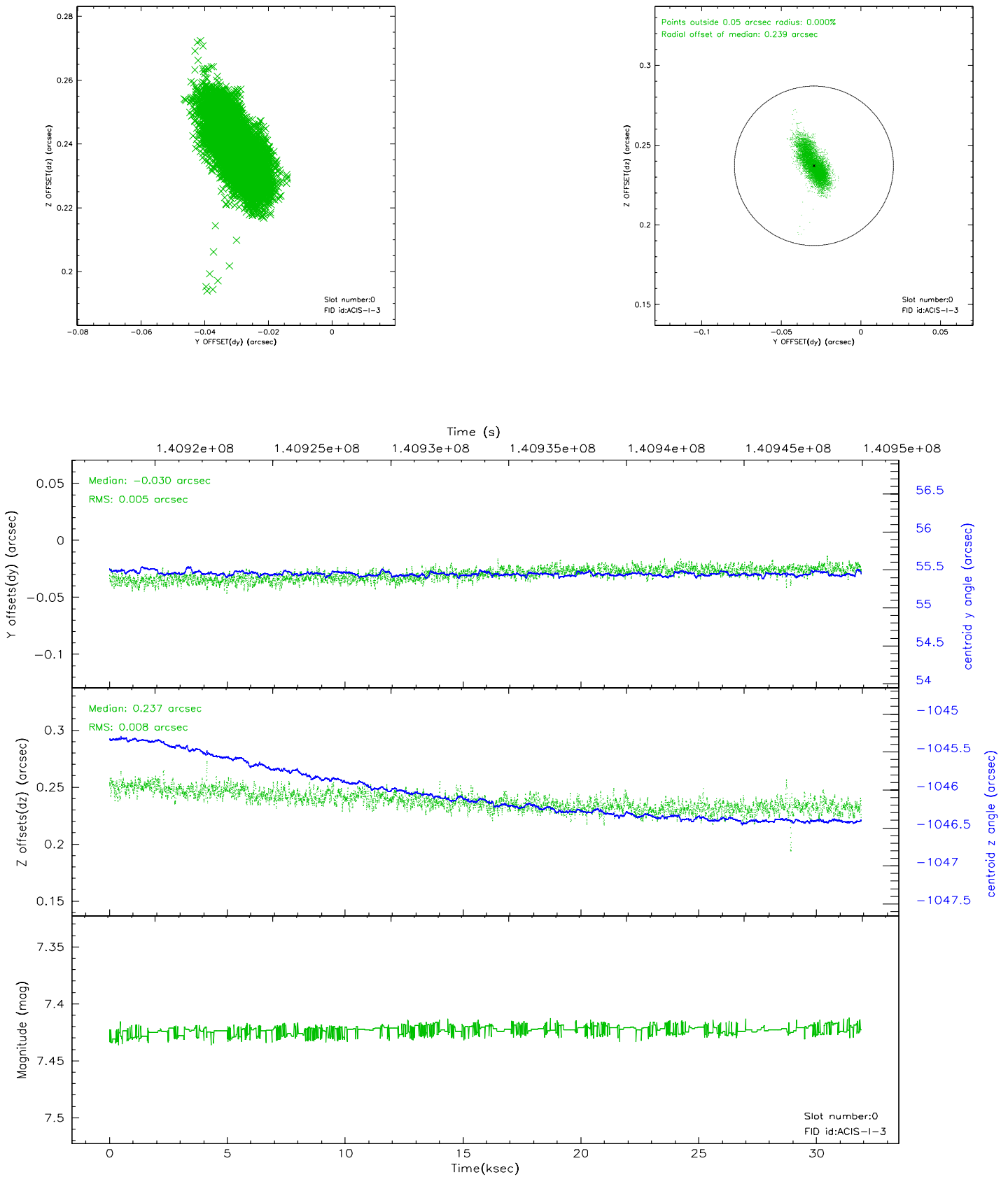


## 2.4.5 Slot 7

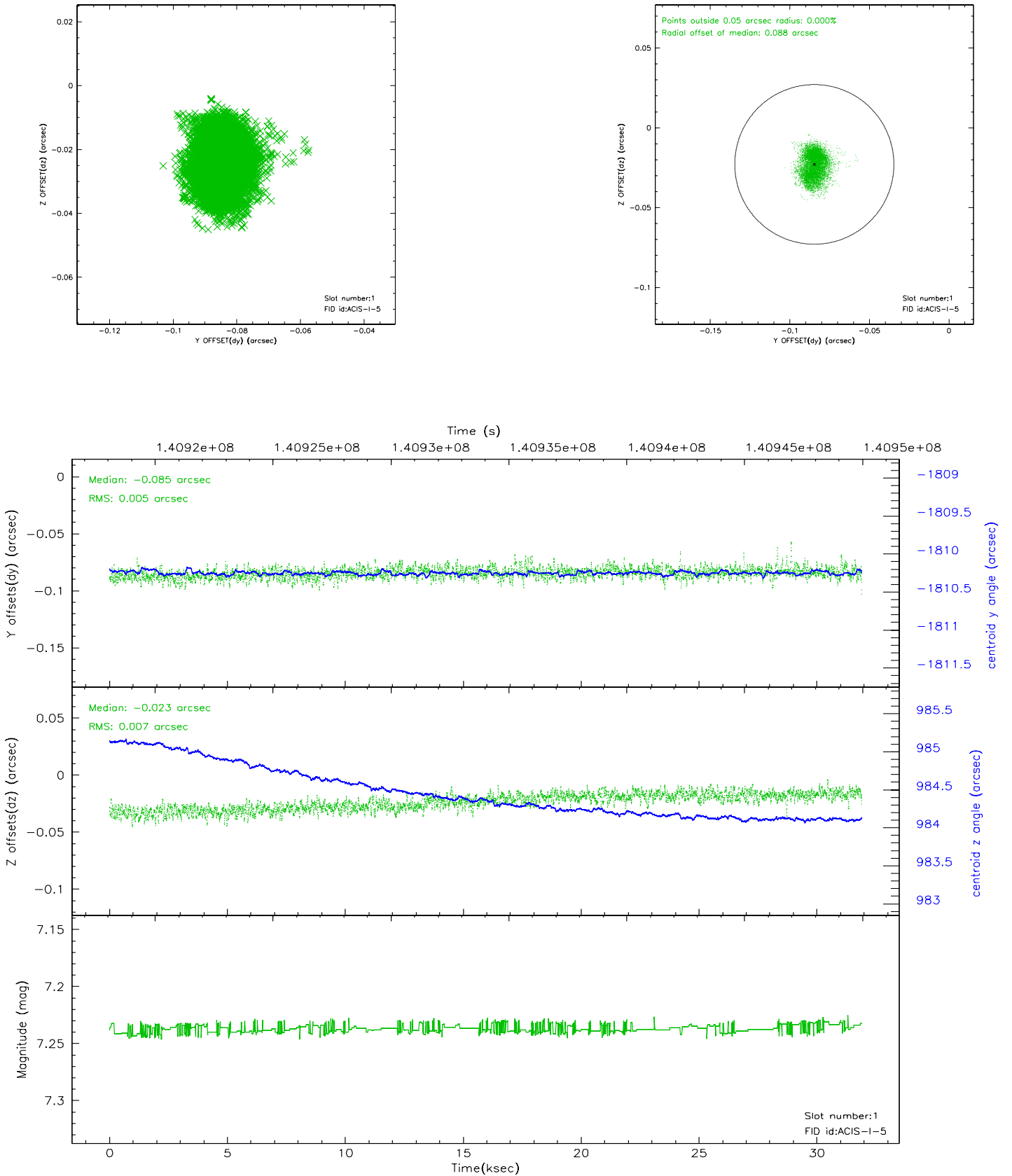


## 2.5 FID Slots

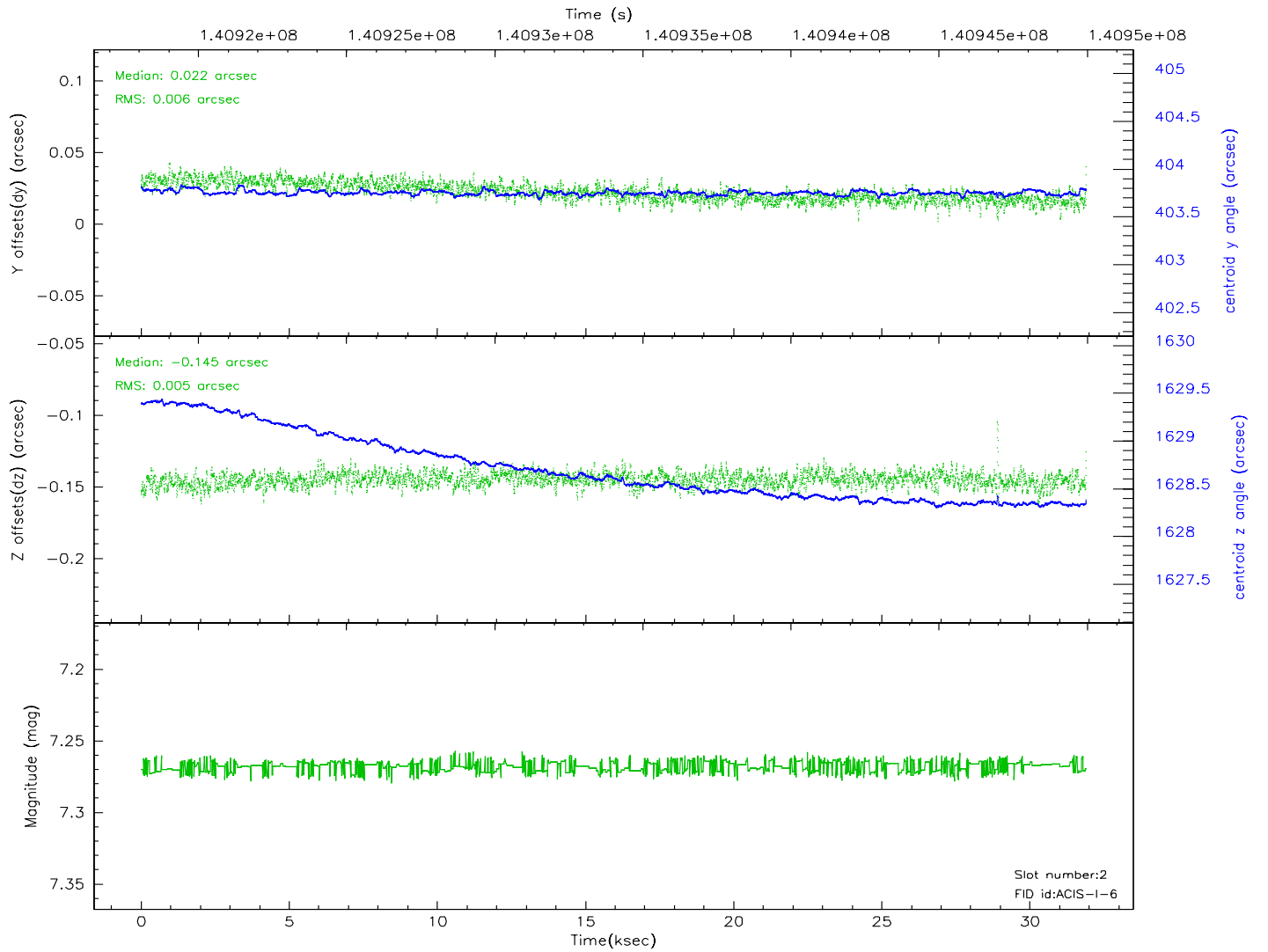
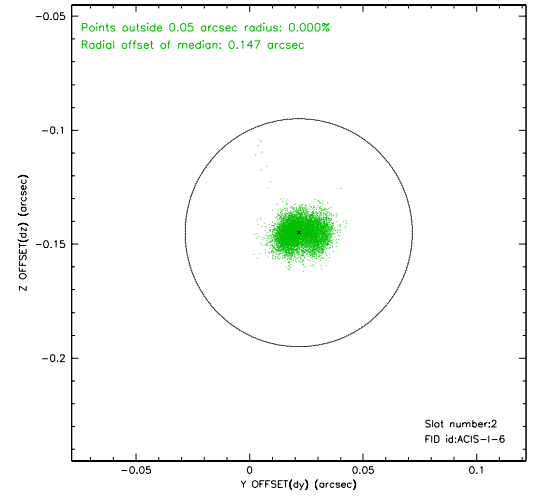
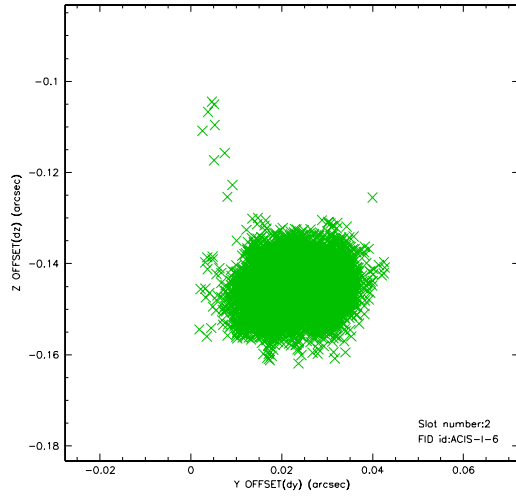
### 2.5.1 Slot 0



## 2.5.2 Slot 1

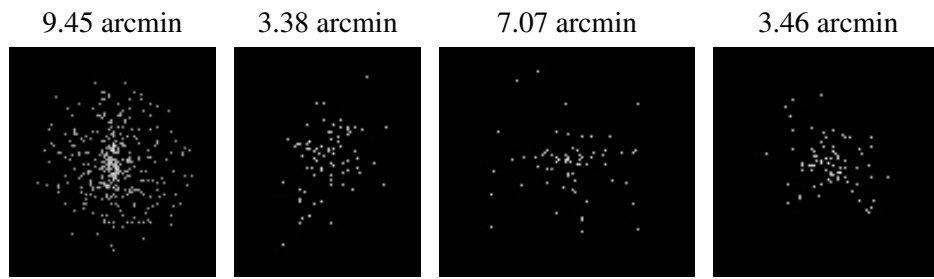


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.347

### A.2 Comments