

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4194 - L2 Version 001  
Chandra X-Ray Center

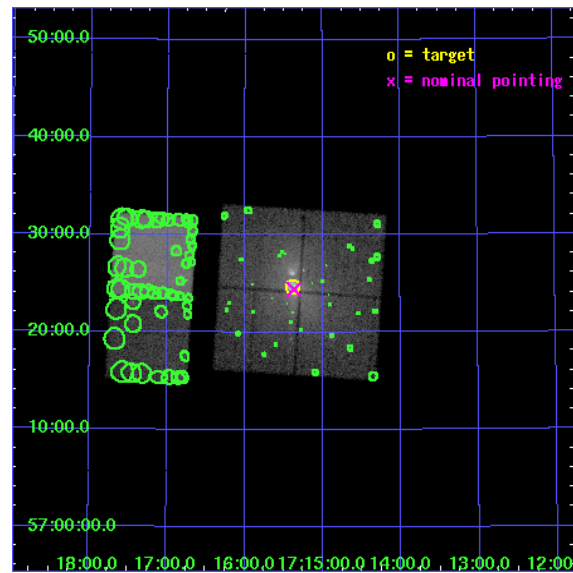
L2 Processing Date : Jul 5 2006

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# 1 Front

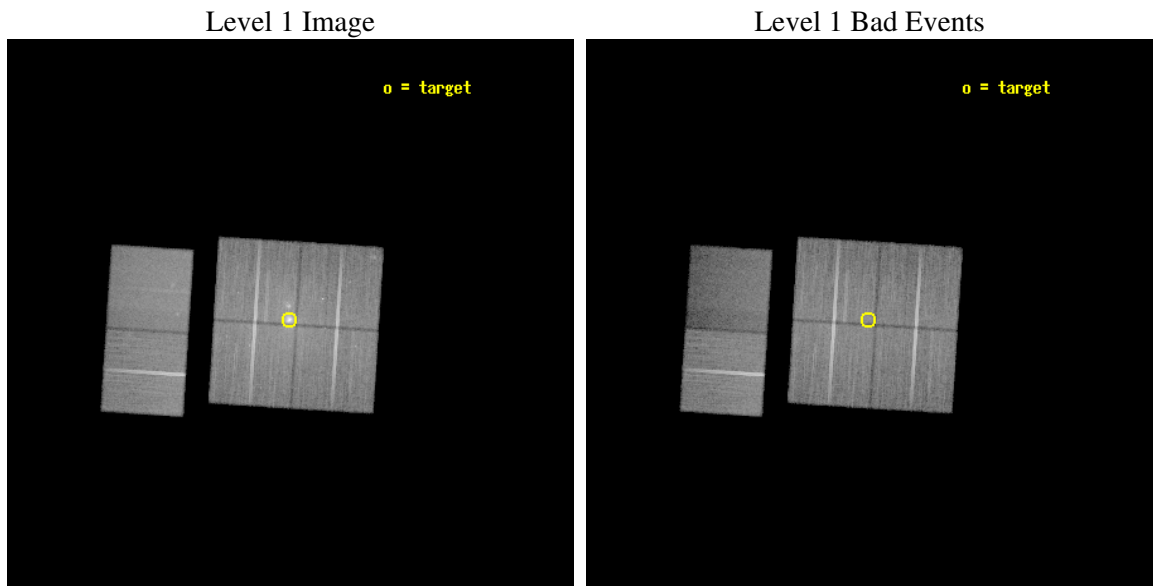
seq_num	800350
obs_id	4194
title	ENTROPY FLUCTUATIONS IN GALAXY GROUPS
observer	Professor Trevor Ponman
object	NGC 6338
dtcycle	0
cycle	P
ra_targ	258.845417
dec_targ	57.411111
ra_nom	258.84255833
dec_nom	57.406750877943
roll_nom	273.66908557287
revision	2
ontime	47935.67181021
livetime	47328.681470353
ontime0	47938.912929982
ontime1	47935.671929806
ontime2	47942.153880239
ontime3	47935.67181021
ontime6	47942.1539101
ontime7	47935.671919763
l2events	291984



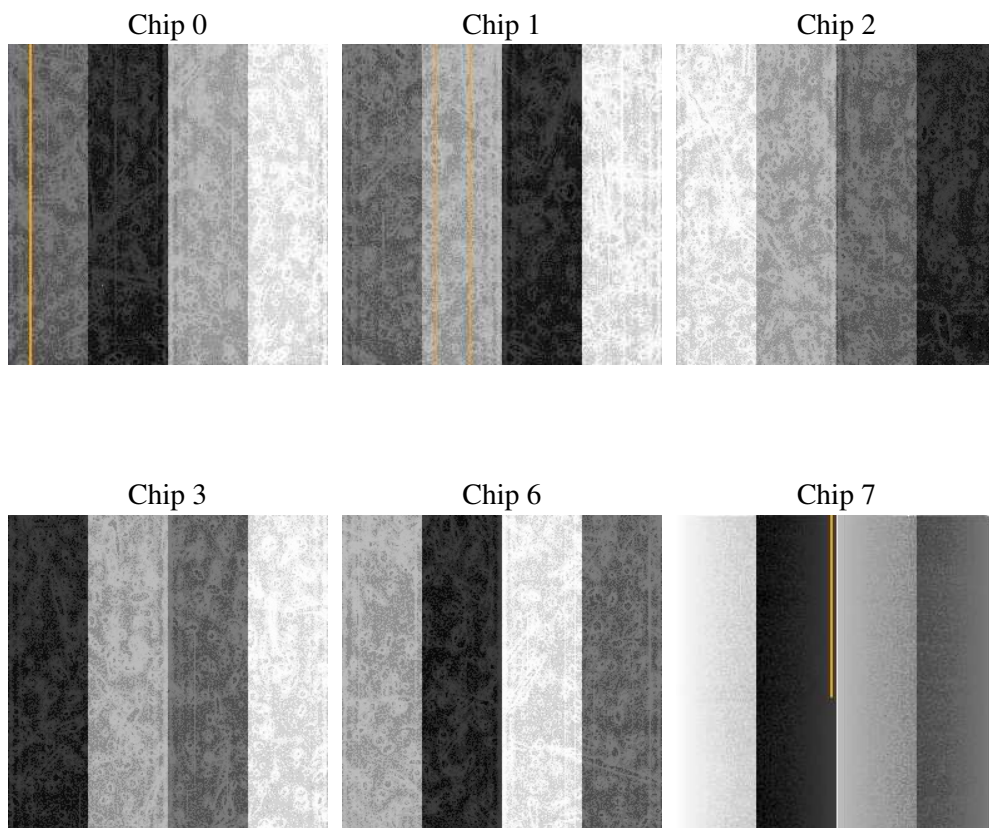
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-07-05T09:11:21
revision	2

sched_exp_time	48000.000000
ontime	47940.879446566
ontime0	47947.361576438
ontime1	47940.879566163
ontime2	47947.361516595
ontime3	47940.879446566
ontime6	47947.361546457
ontime7	47940.879556119
l1events	1506481

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	240770	235641	265415	276575	249098	238982
rejected events	202303	196185	226388	216994	222176	121641
rejected %	84%	83%	85%	78%	89%	50%

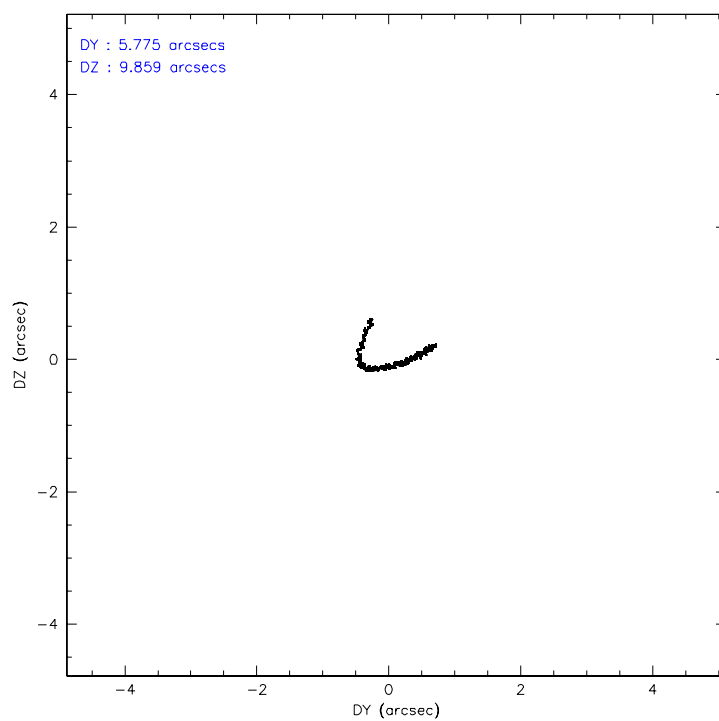
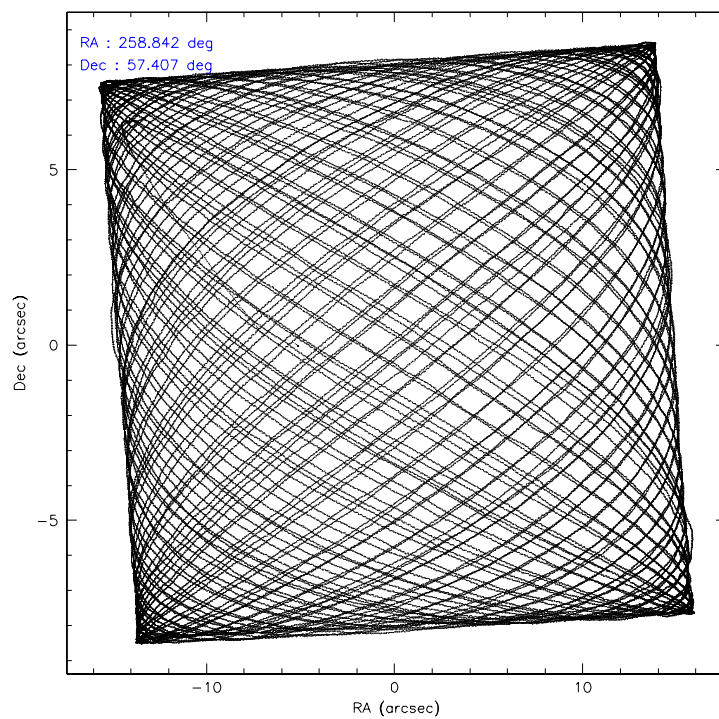
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	21144	21172	22087	40172	11018	8907
	8%	8%	8%	14%	4%	3%
grade 1 events	173	147	162	294	120	147
	0%	0%	0%	0%	0%	0%
grade 2 events	6800	6698	6793	7946	5435	29553
	2%	2%	2%	2%	2%	12%
grade 3 events	3093	3289	2878	3444	2778	7594
	1%	1%	1%	1%	1%	3%
grade 4 events	2958	3282	3057	3411	2804	7395
	1%	1%	1%	1%	1%	3%
grade 5 events	6888	7580	6522	7923	8128	18012
	2%	3%	2%	2%	3%	7%
grade 6 events	4478	5018	4218	4617	4891	63929
	1%	2%	1%	1%	1%	26%
grade 7 events	195236	188455	219698	208768	213924	103445
	81%	79%	82%	75%	85%	43%

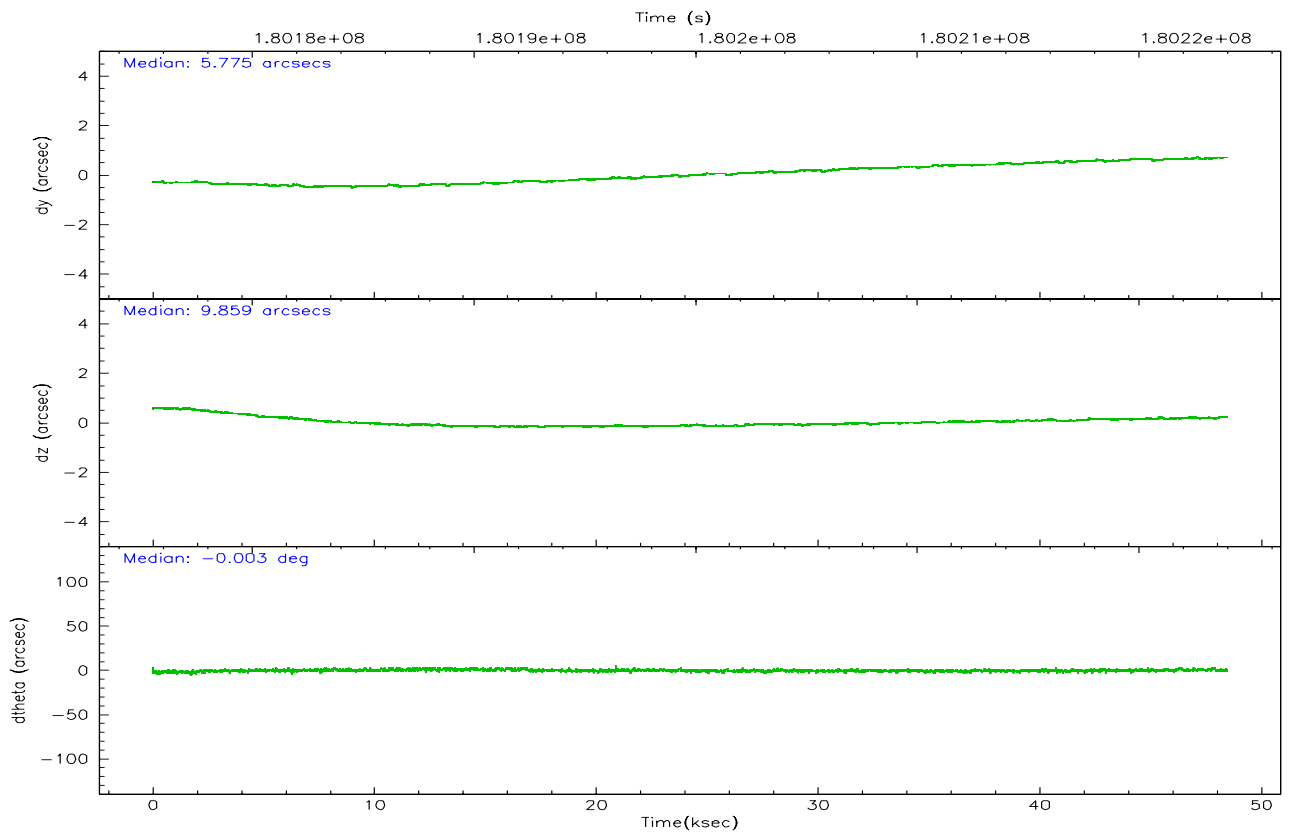
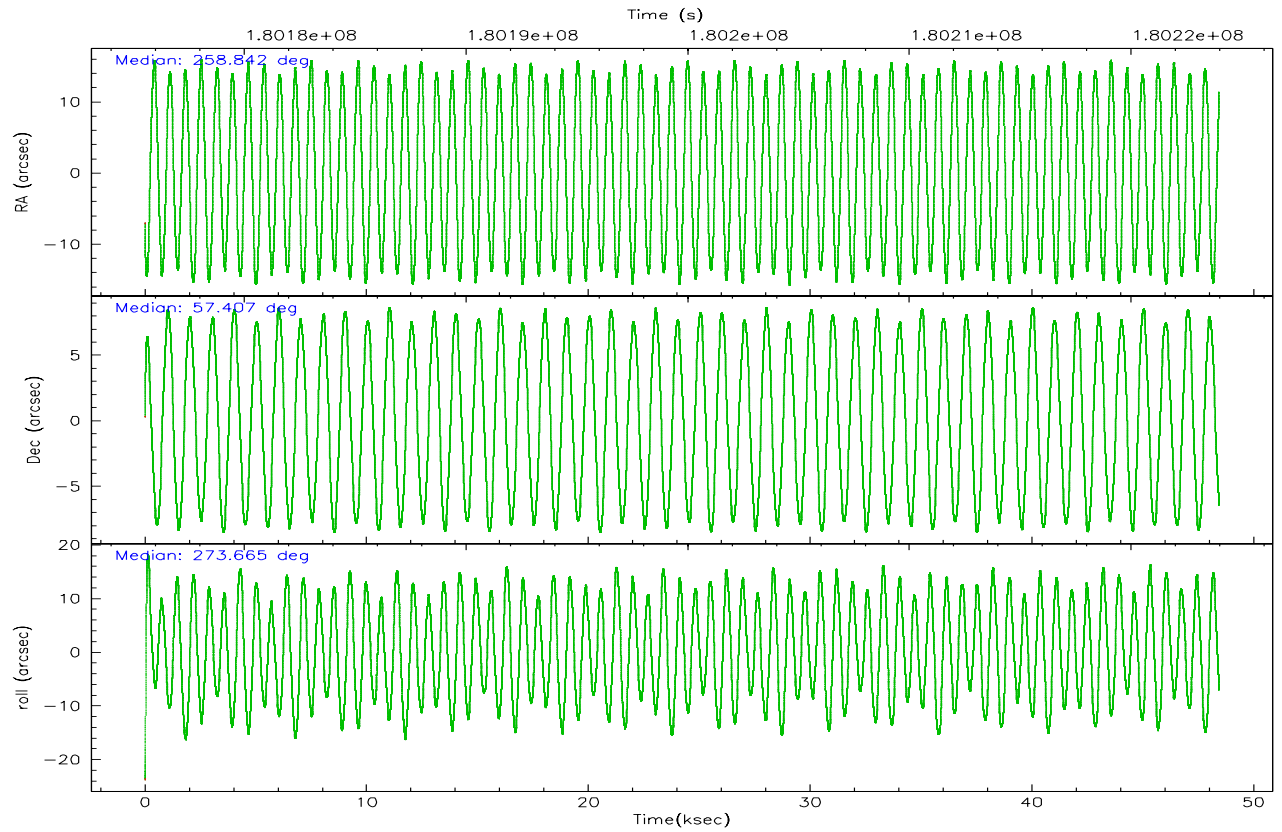


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	258.814189	258.8425583300007	Alternating exposures requested	N	N
Pointing Dec	57.429457	57.40675087794283	Primary exposure time	0.000000	3.2
Pointing Roll	273.484315	273.6690855728651			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	180175974.184000	180174881.90356			
Observation start date	2003-09-17T08:51:50	2003-09-17T08:34:41			
Observation end time	180223974.184000	180224735.85569			
Observation end date	2003-09-17T22:11:50	2003-09-17T22:25:35			
Read mode	TIMED	TIMED			

## 2.3 Aspect



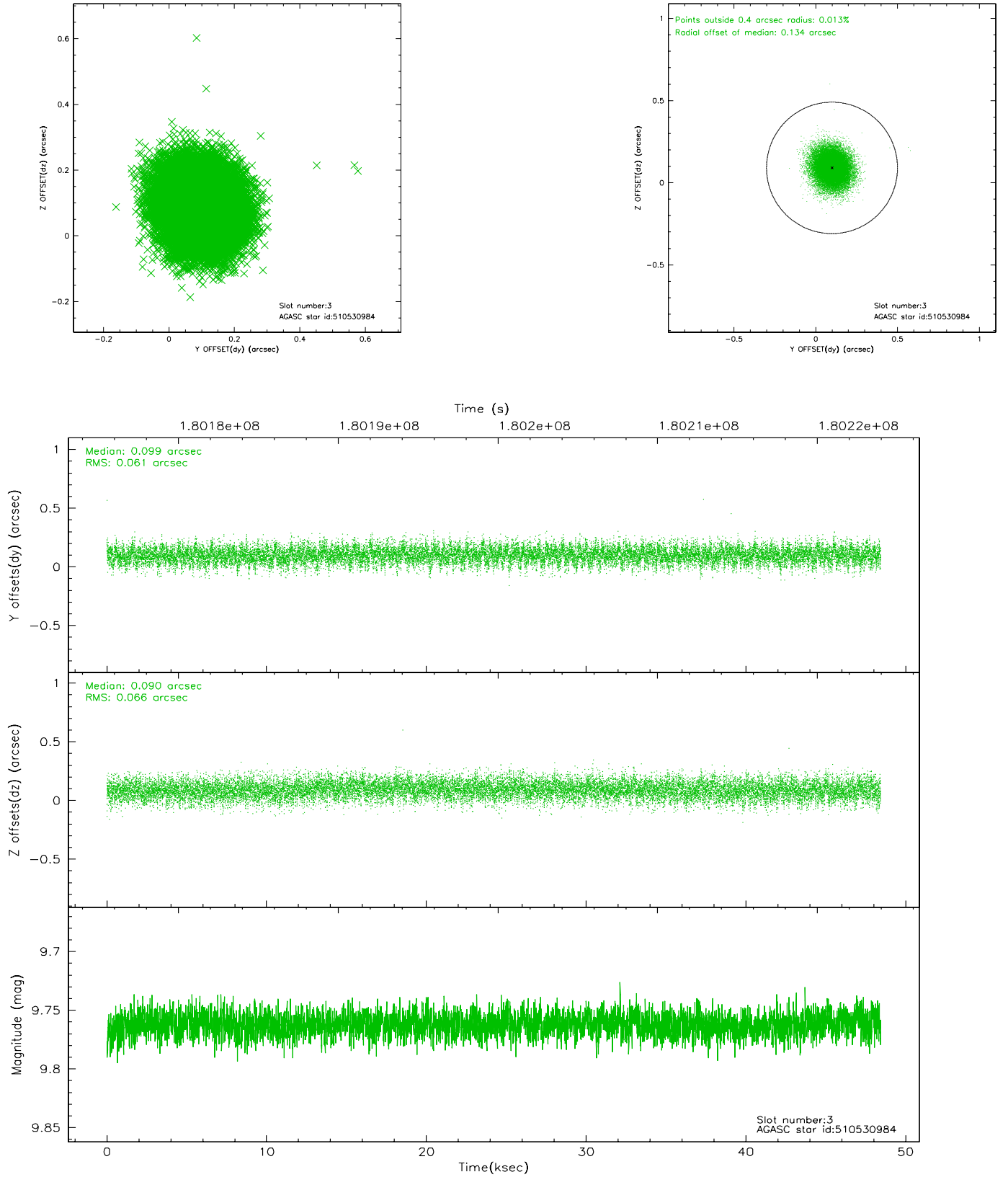


### Slot Statistics

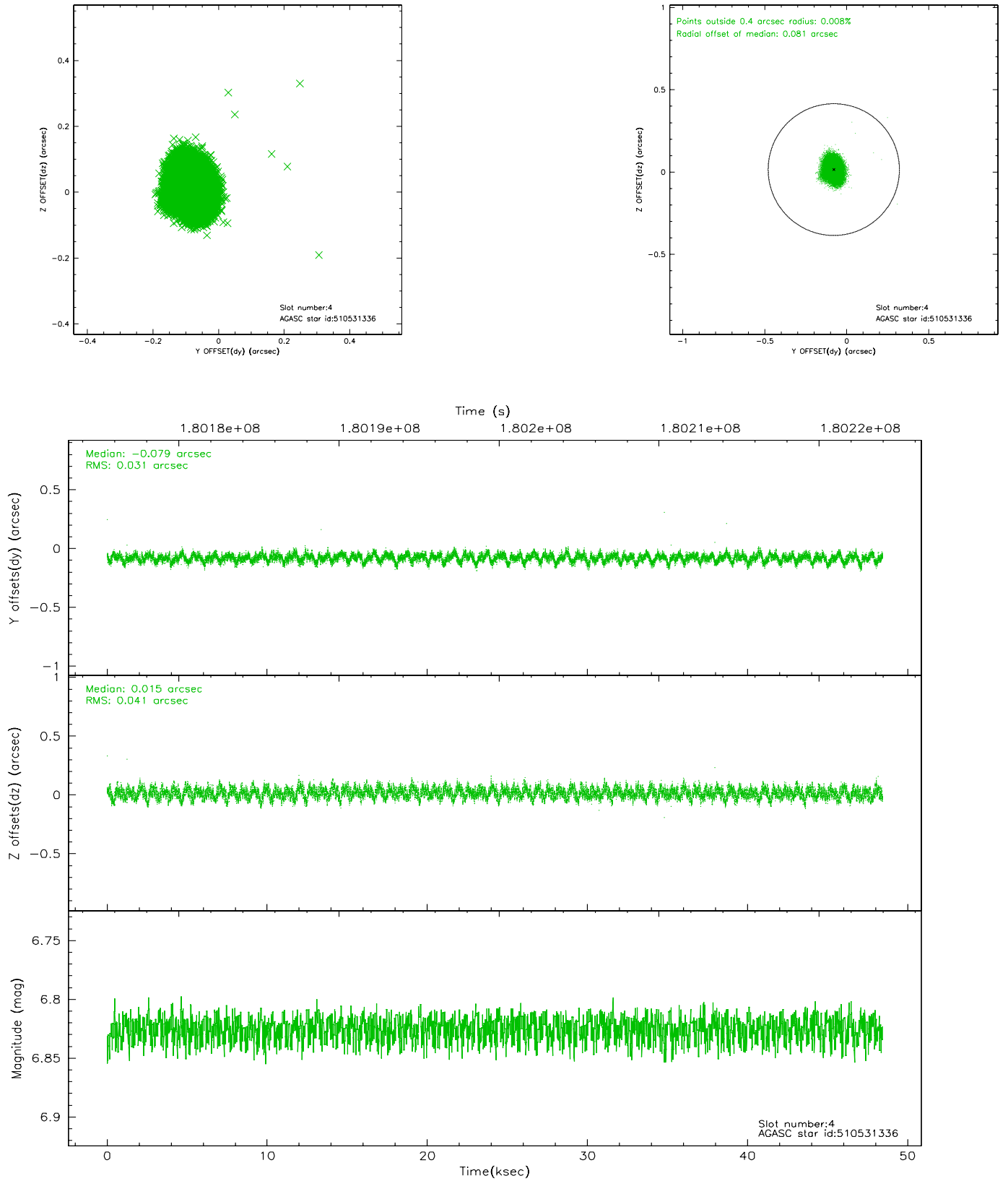
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	11808	-0.049	0.075	0.016	0.030	0.000000	0.000000	933.86	-833.29
1	FID	ACIS-I-2	7.14	11808	-0.067	-0.036	0.012	0.024	0.000000	0.000000	-760.26	-839.85
2	FID	ACIS-I-4	7.18	11809	0.021	0.030	0.015	0.024	0.000000	0.000000	2153.80	1066.49
3	GUIDE	510530984	9.76	23611	0.099	0.090	0.096	0.154	257.843013	57.888060	-1773.81	-1753.71
4	GUIDE	510531336	6.82	23622	-0.079	0.015	0.055	0.088	258.217938	57.862631	-1630.83	-1044.53
5	GUIDE	510537304	7.31	23622	-0.038	-0.018	0.054	0.086	257.977845	57.967610	-2040.70	-1475.69
6	GUIDE	510537624	9.55	23594	0.051	-0.086	0.118	0.191	259.862211	57.989137	-1905.07	2119.67
7	GUIDE	510537952	9.44	23612	-0.033	0.001	0.097	0.155	259.803735	57.190117	963.29	1875.64

## 2.4 Star Slots

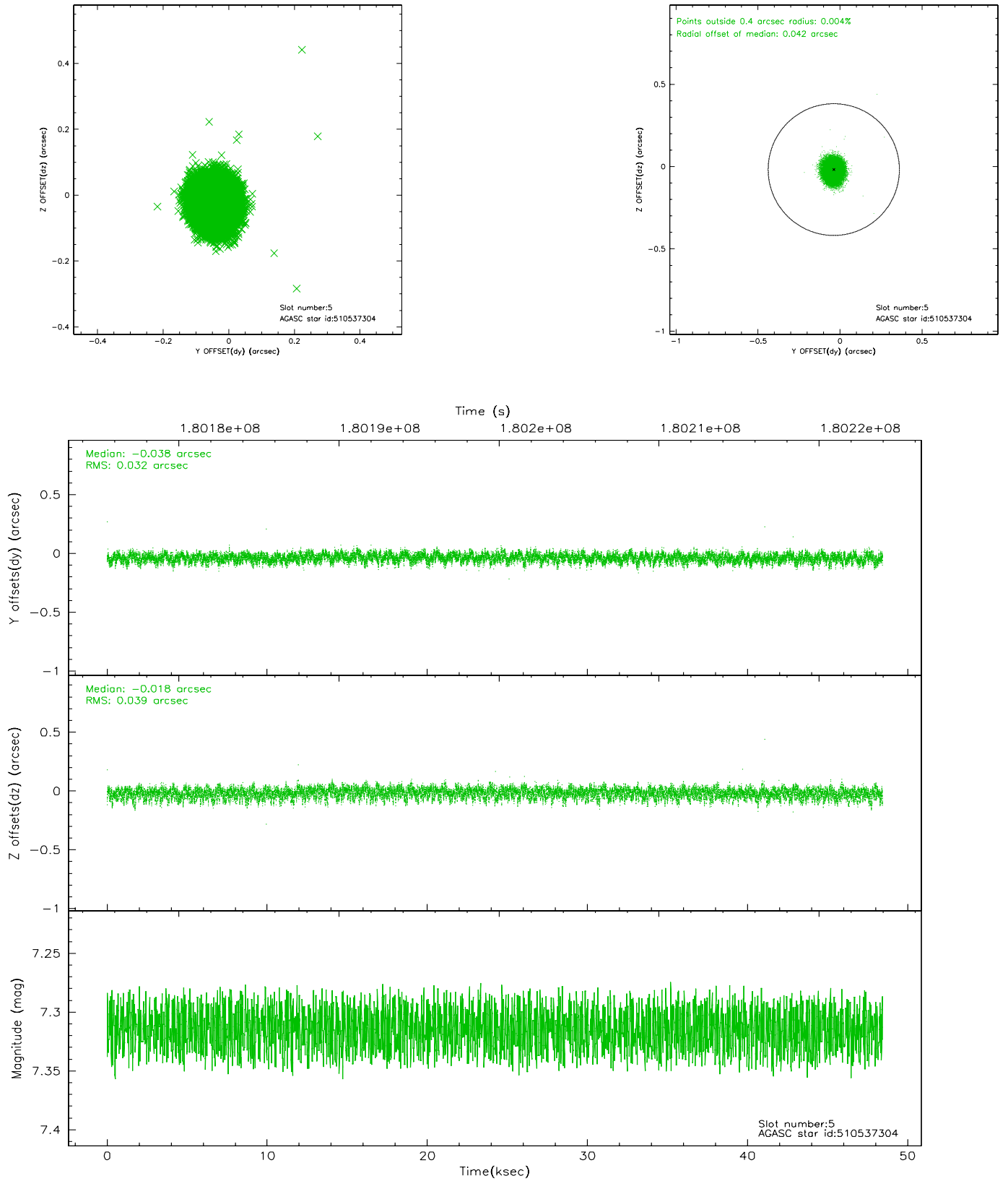
### 2.4.1 Slot 3



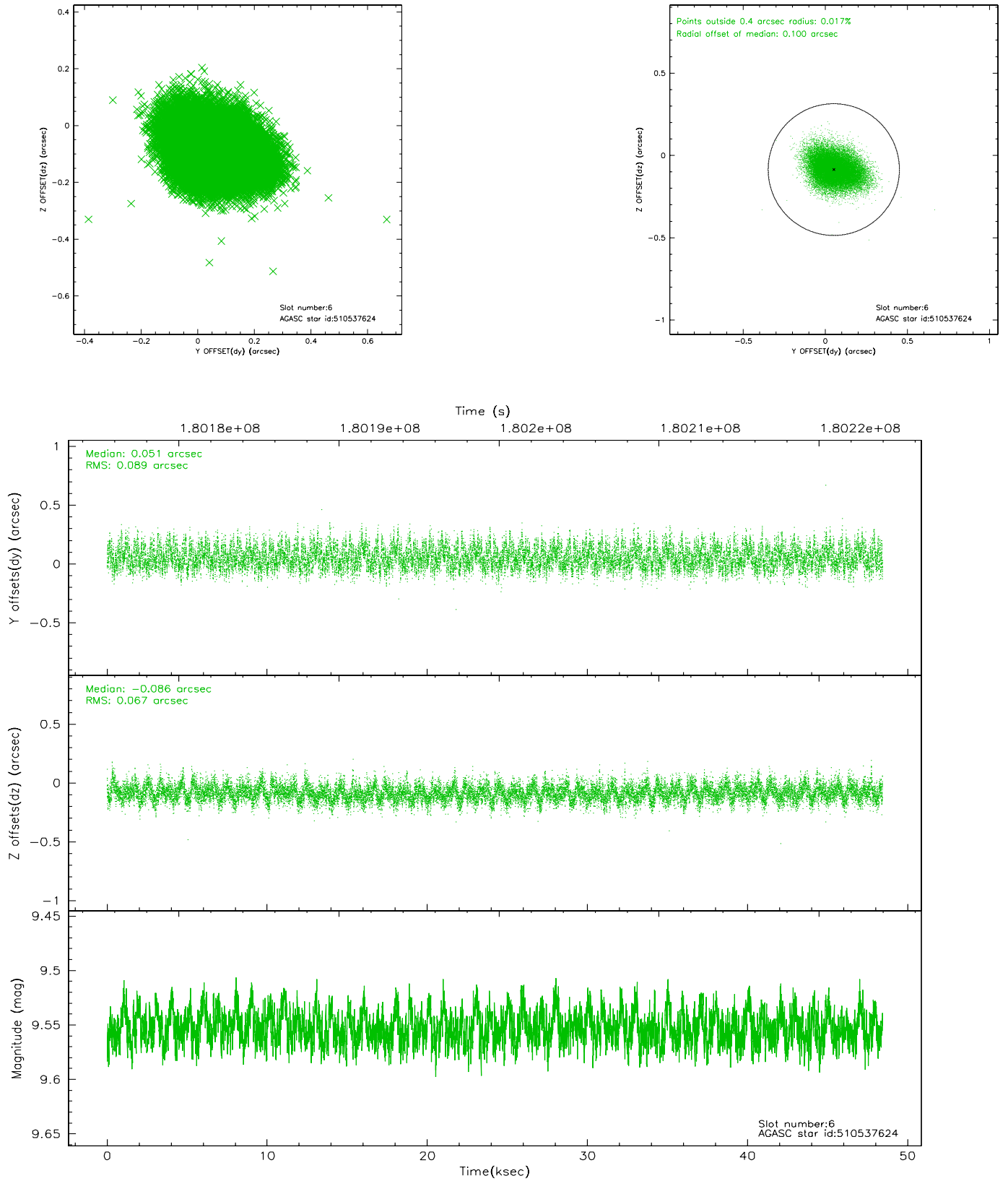
## 2.4.2 Slot 4



### 2.4.3 Slot 5

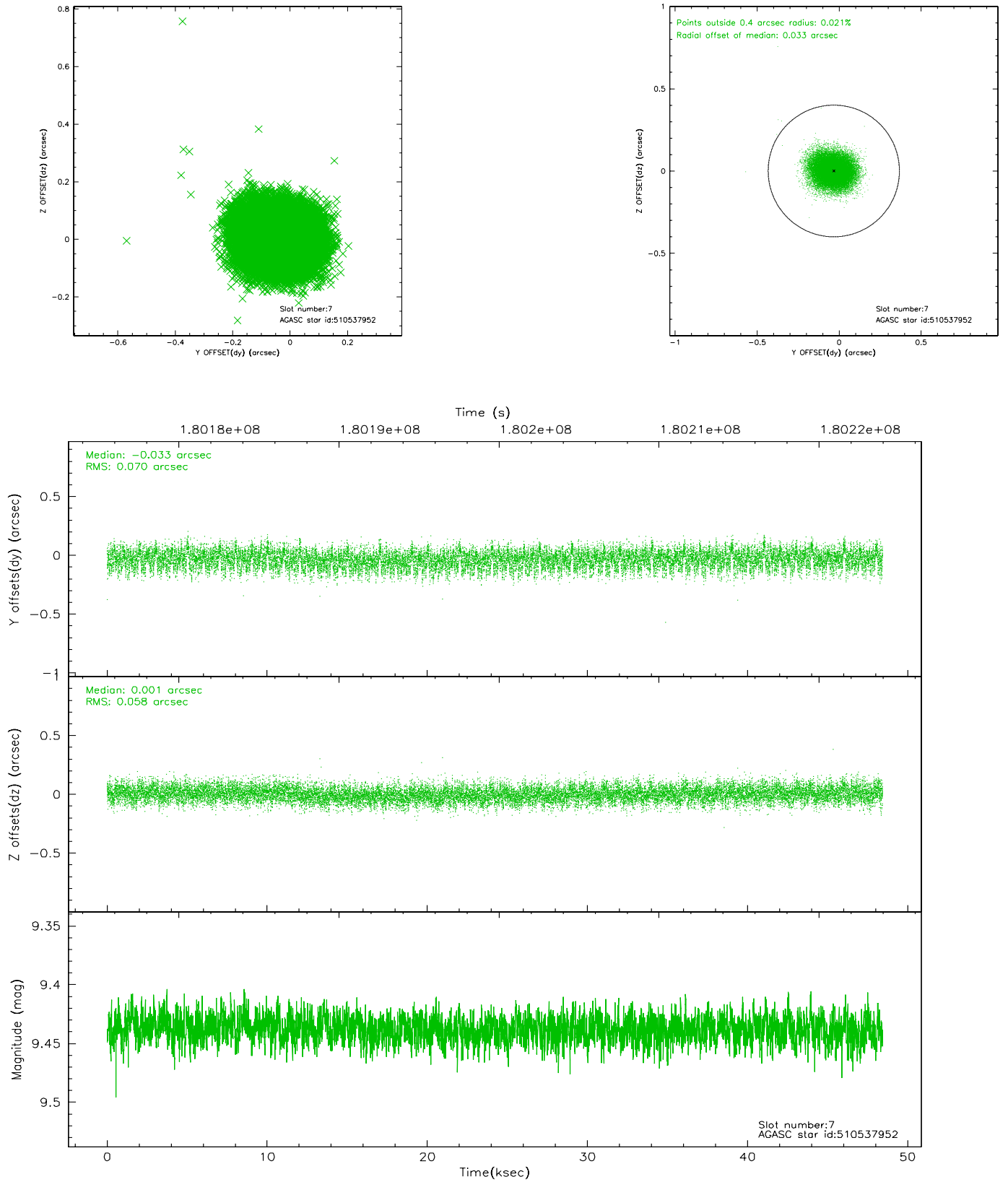


## 2.4.4 Slot 6



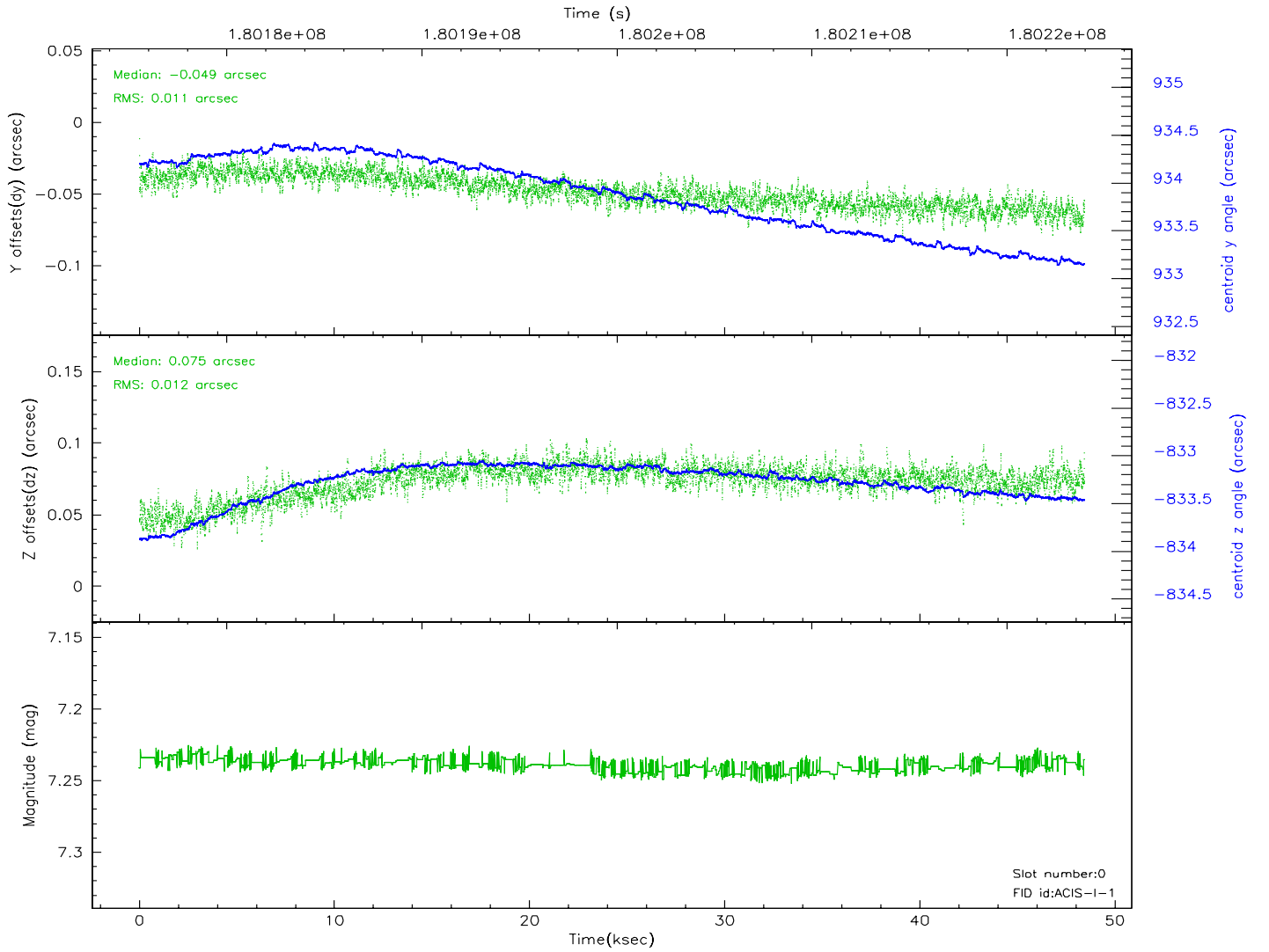
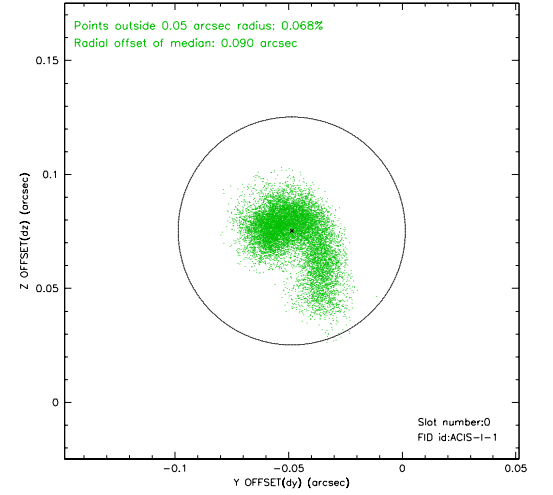
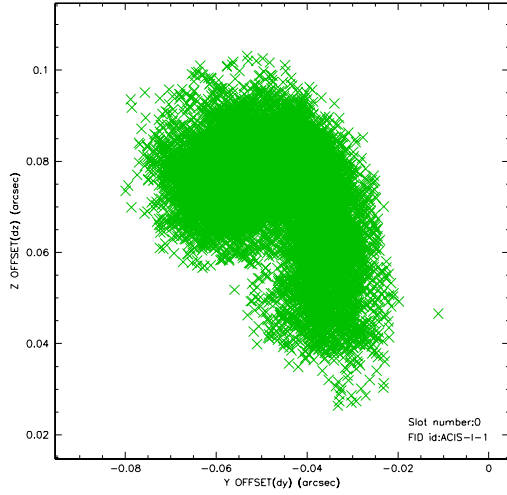


## 2.4.5 Slot 7

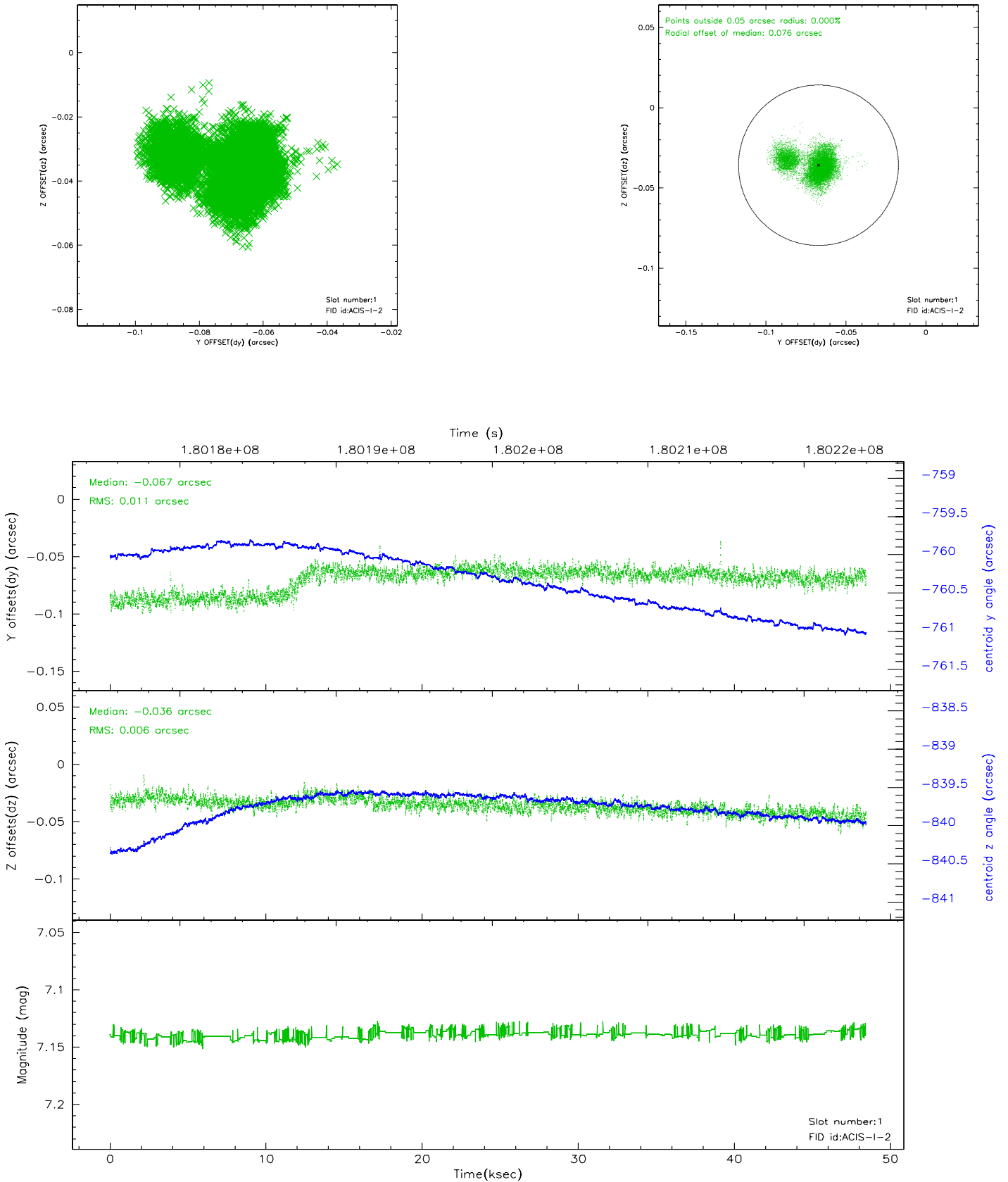


## 2.5 FID Slots

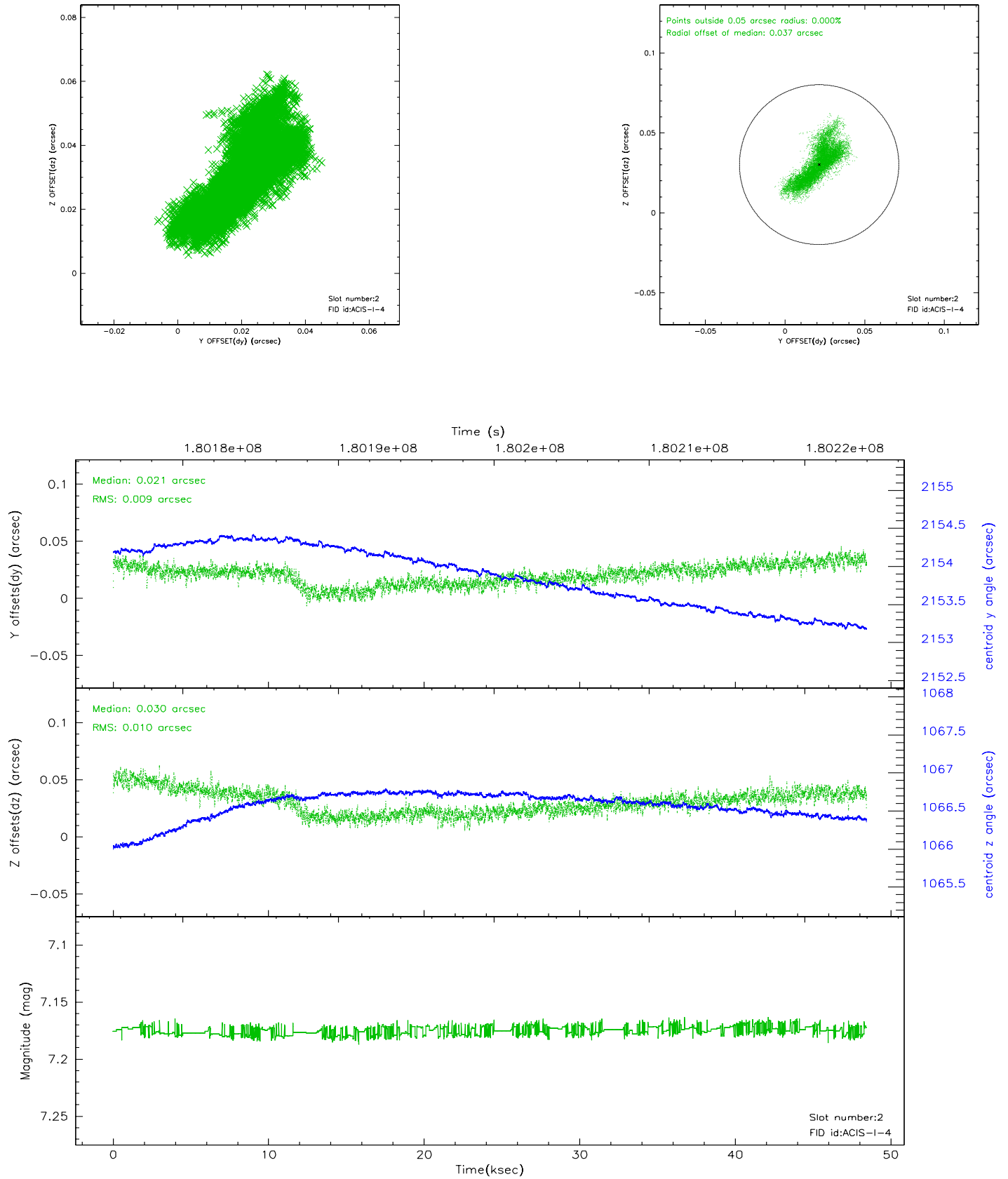
### 2.5.1 Slot 0



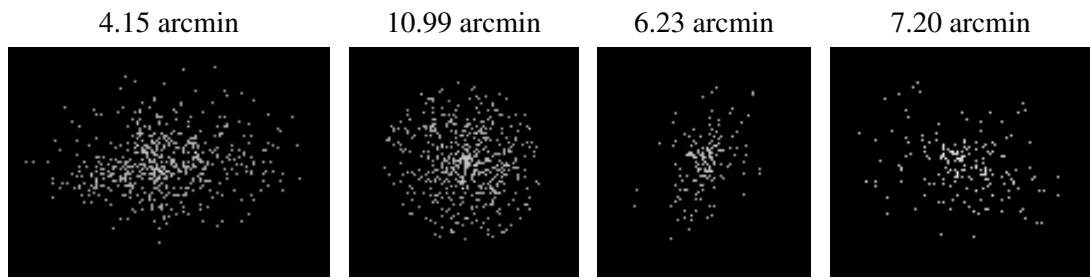
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.07.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.938

### A.2 Comments