

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4179 - L2 Version 001  
Chandra X-Ray Center

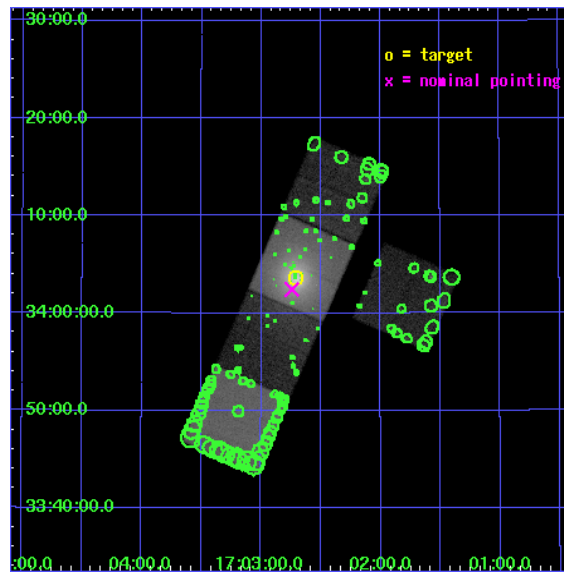
L2 Processing Date : Jul 1 2006

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# 1 Front

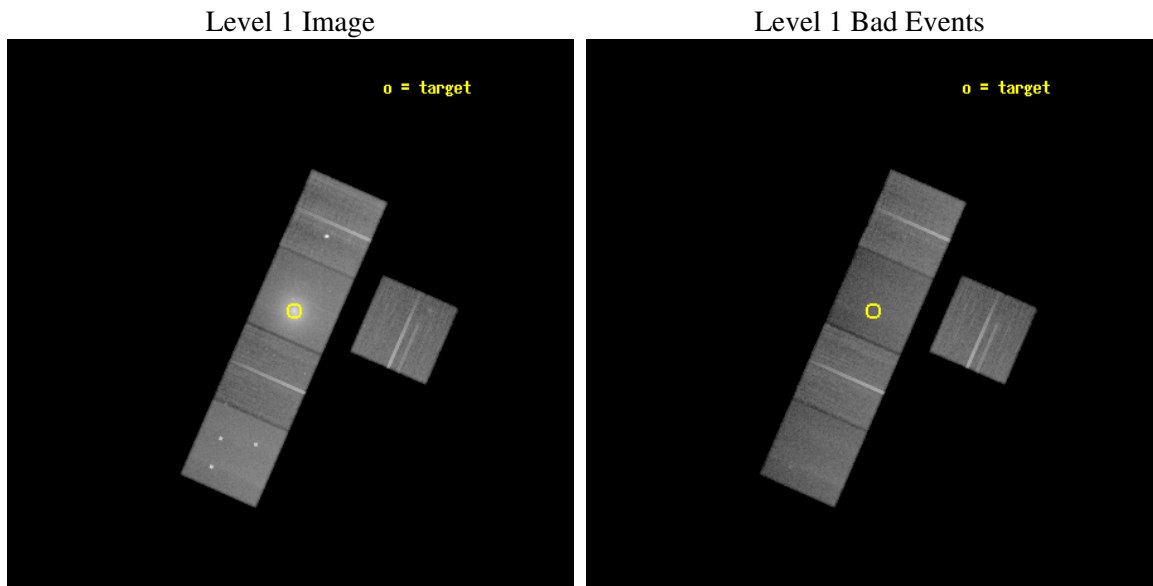
seq_num	800335
obs_id	4179
title	A SEARCH FOR FOSSILS OF FEEDBACK IN THREE RADIO- AND OPTICALLY-QUIET COOLING FLOWS
observer	Dr. Megan Donahue
object	ABELL 2244
dtcycle	0
cycle	P
ra_targ	255.6775
dec_targ	34.060389
ra_nom	255.6855794757
dec_nom	34.04076138099
roll_nom	293.61847199289
revision	2
ontime	57718.899889022
livetime	56964.759969936
ontime3	57706.336018115
ontime5	57718.899889022
ontime6	57715.759048343
ontime7	57718.899889022
ontime8	57715.758918822
l2events	678155



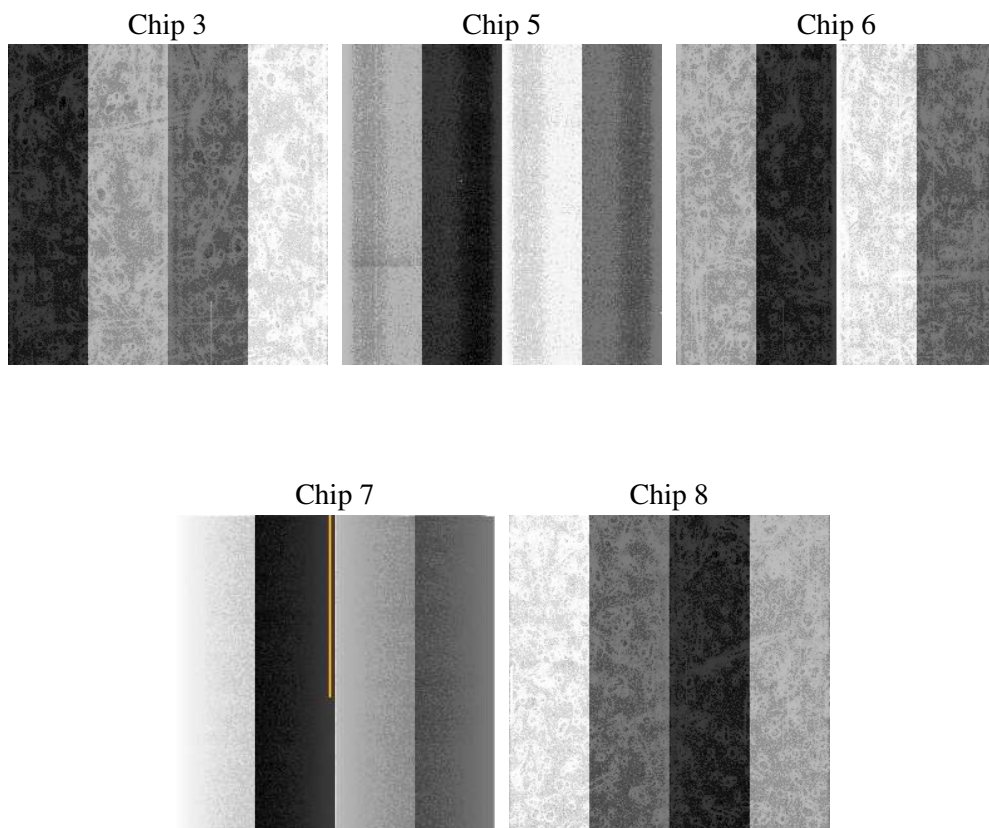
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-01T22:18:37
revision	2

sched_exp_time	57569.000000
ontime	58664.48779276
ontime3	58541.987771094
ontime5	58664.48779276
ontime6	58573.398061395
ontime7	58664.48779276
ontime8	58570.256861925
l1events	2066970

### 2.1.4 Events

	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	314973	426158	332767	587372	405700
rejected events	282617	221957	286998	206062	306952
rejected %	89%	52%	86%	35%	75%

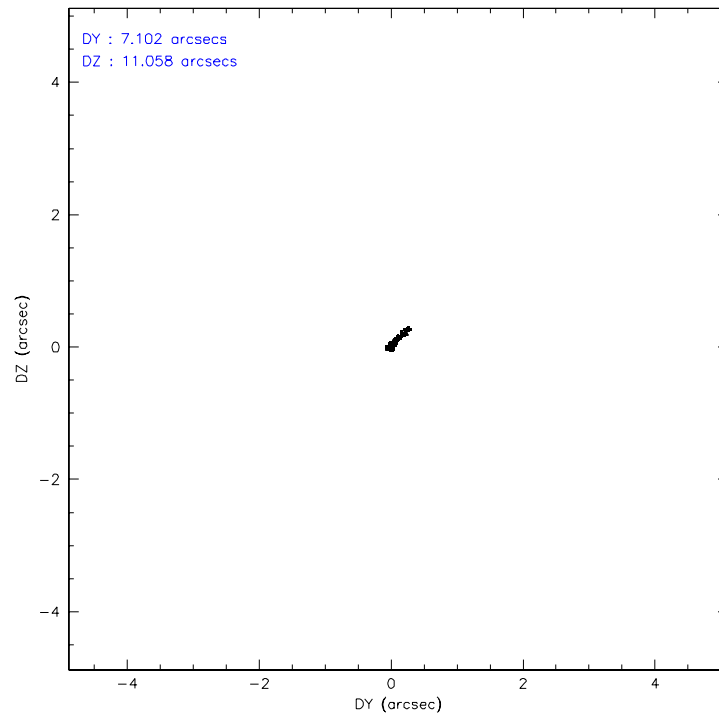
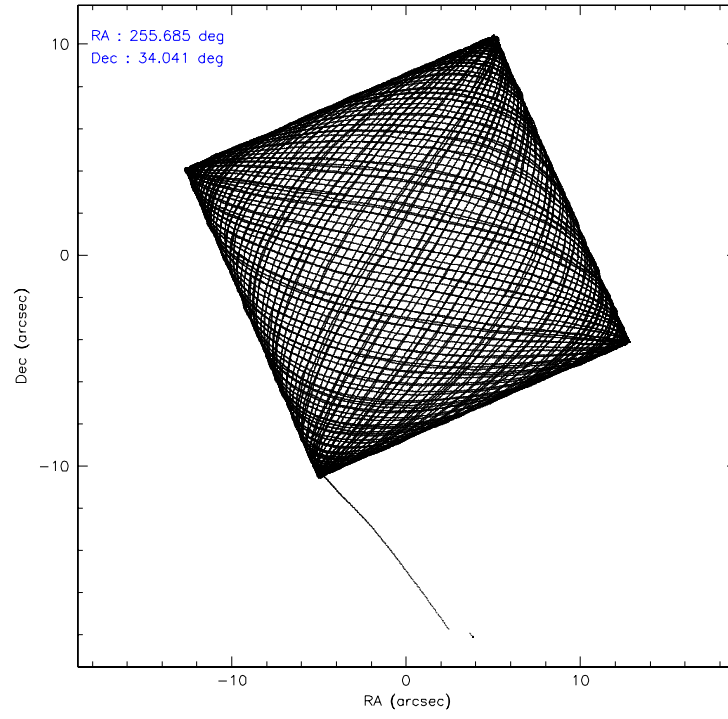
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	13312	23733	22666	79864	38194
	4%	5%	6%	13%	9%
grade 1 events	152	413	179	202	335
	0%	0%	0%	0%	0%
grade 2 events	6415	61080	8200	102501	20065
	2%	14%	2%	17%	4%
grade 3 events	3578	5257	4240	35134	9813
	1%	1%	1%	5%	2%
grade 4 events	3601	5128	4034	34025	9393
	1%	1%	1%	5%	2%
grade 5 events	11853	22619	12411	28182	17483
	3%	5%	3%	4%	4%
grade 6 events	5836	112561	7128	132840	22318
	1%	26%	2%	22%	5%
grade 7 events	270226	195367	273909	174624	288099
	85%	45%	82%	29%	71%

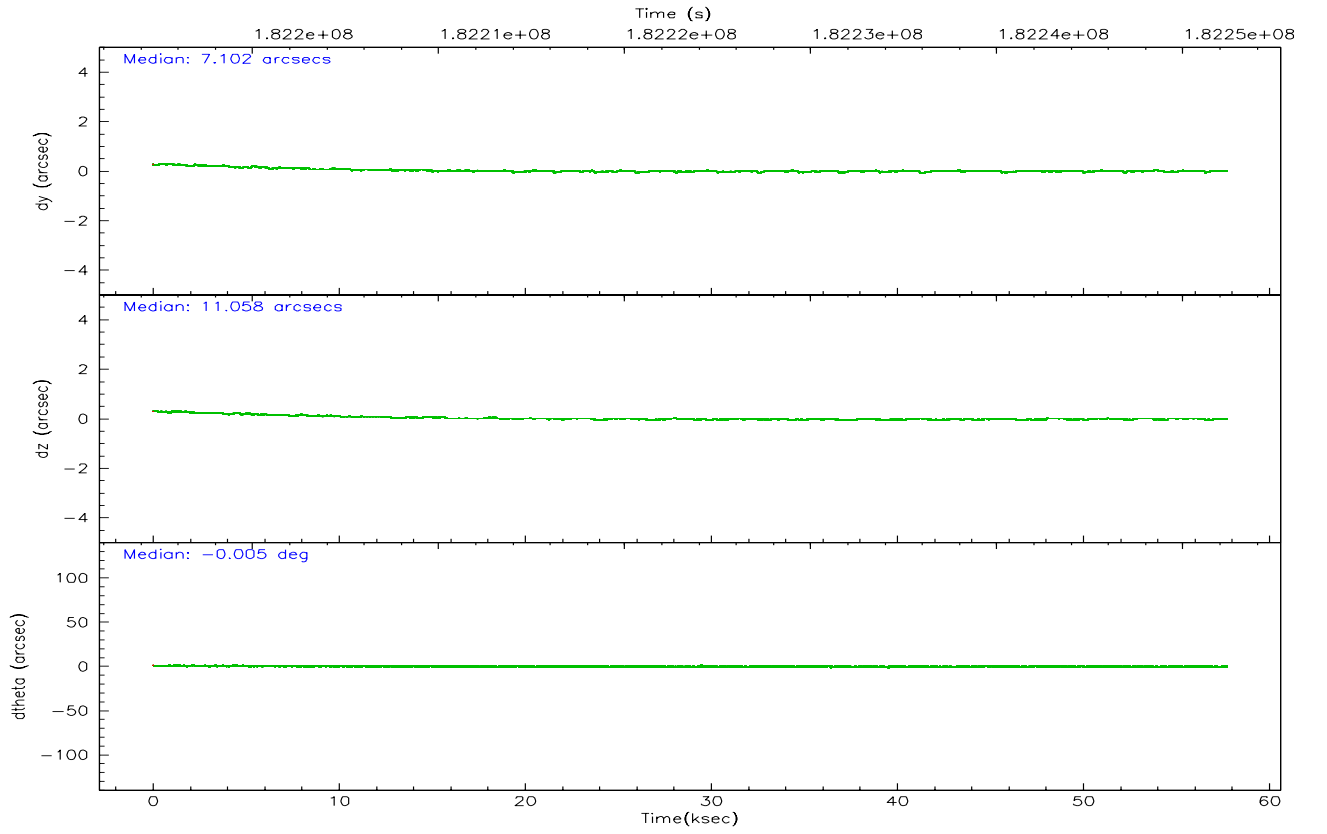
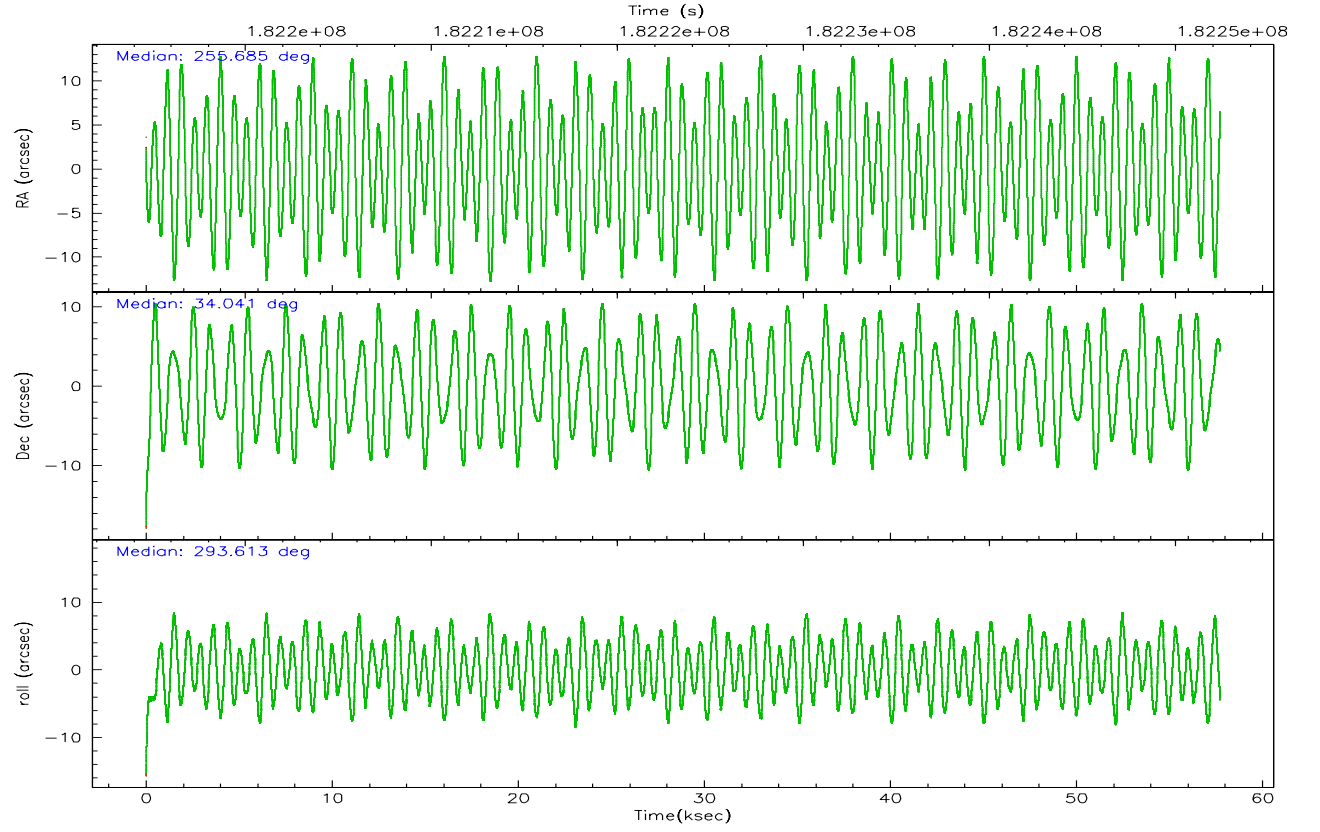


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-35678	ACIS-35678	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	255.658866	255.6855794757005	Alternating exposures requested	N	N
Pointing Dec	34.056597	34.04076138099043	Primary exposure time	0.000000	3.1
Pointing Roll	293.476798	293.618471992892			
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	182194810.184000	182193355.04021			
Observation start date	2003-10-10T17:39:06	2003-10-10T17:15:55			
Observation end time	182252379.184000	182252970.58027			
Observation end date	2003-10-11T09:38:35	2003-10-11T09:49:30			
Read mode	TIMED	TIMED			

## 2.3 Aspect



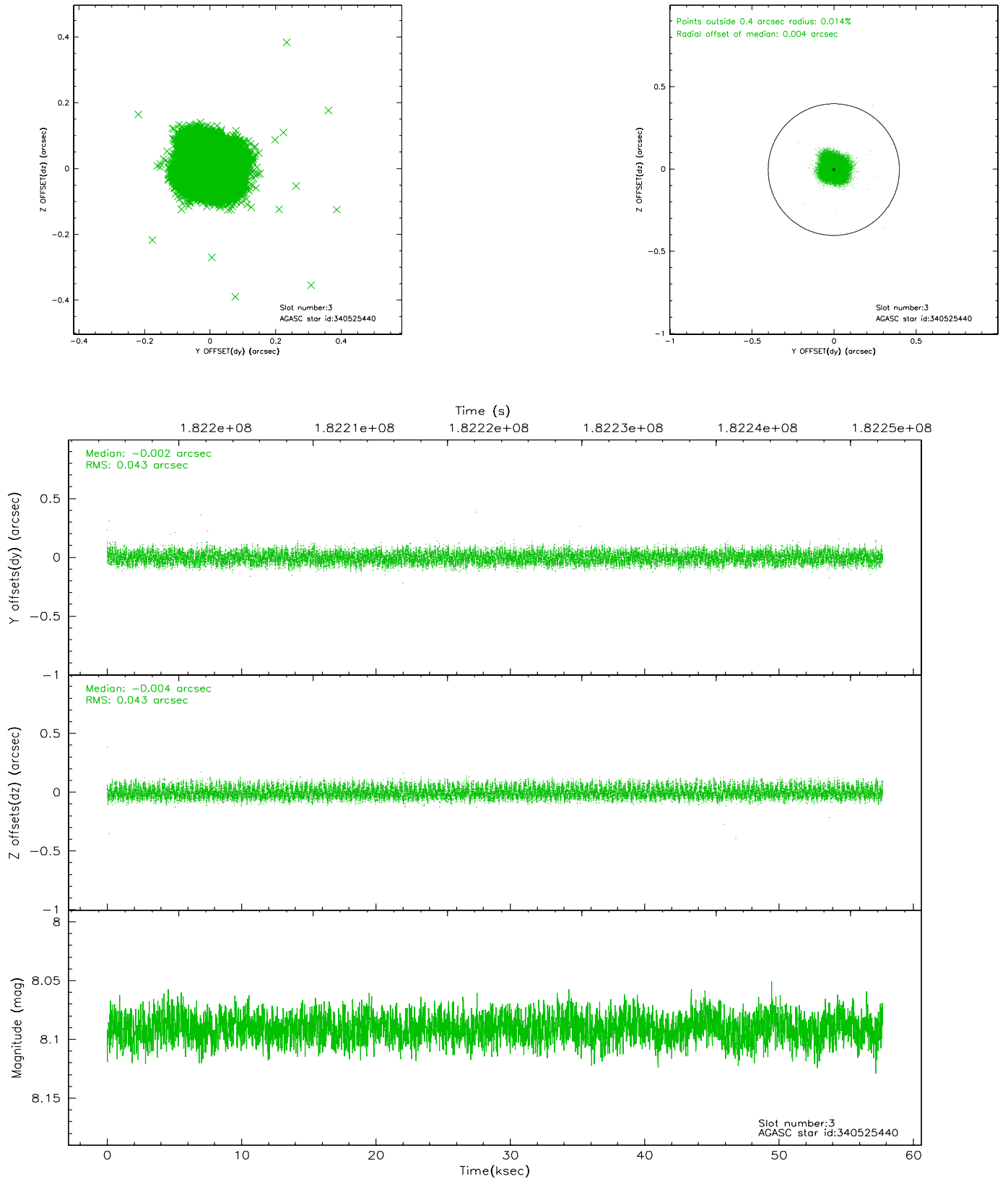


### Slot Statistics

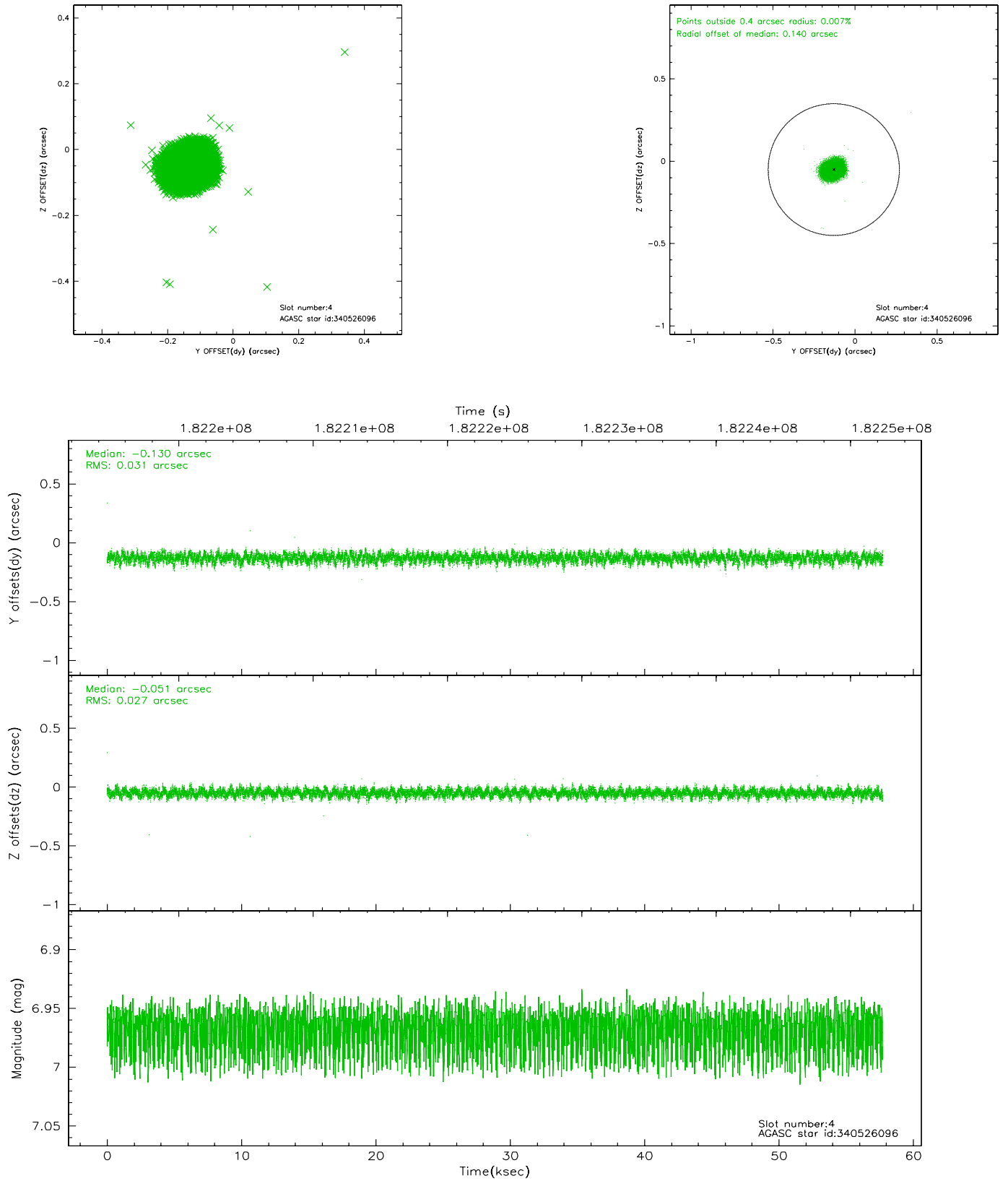
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	14080	-0.026	0.023	0.007	0.012	0.000000	0.000000	-759.89	-1732.35
1	FID	ACIS-S-4	7.20	14080	-0.000	0.006	0.005	0.009	0.000000	0.000000	2153.41	176.19
2	FID	ACIS-S-5	7.23	14080	-0.005	-0.021	0.007	0.011	0.000000	0.000000	-1812.78	169.74
3	GUIDE	340525440	8.09	28156	-0.002	-0.004	0.065	0.100	255.771513	34.540229	-1463.81	1000.22
4	GUIDE	340526096	6.97	28159	-0.130	-0.051	0.043	0.070	255.041829	34.338386	-1665.99	-1275.96
5	GUIDE	340526144	8.87	28153	0.147	0.094	0.062	0.103	255.370898	34.034692	-270.51	-818.63
6	GUIDE	340528288	8.80	28156	0.001	0.003	0.072	0.118	255.032753	34.370234	-1781.75	-1254.52
7	GUIDE	340528160	8.40	28150	-0.010	-0.043	0.073	0.116	256.487691	34.097893	838.83	2329.74

## 2.4 Star Slots

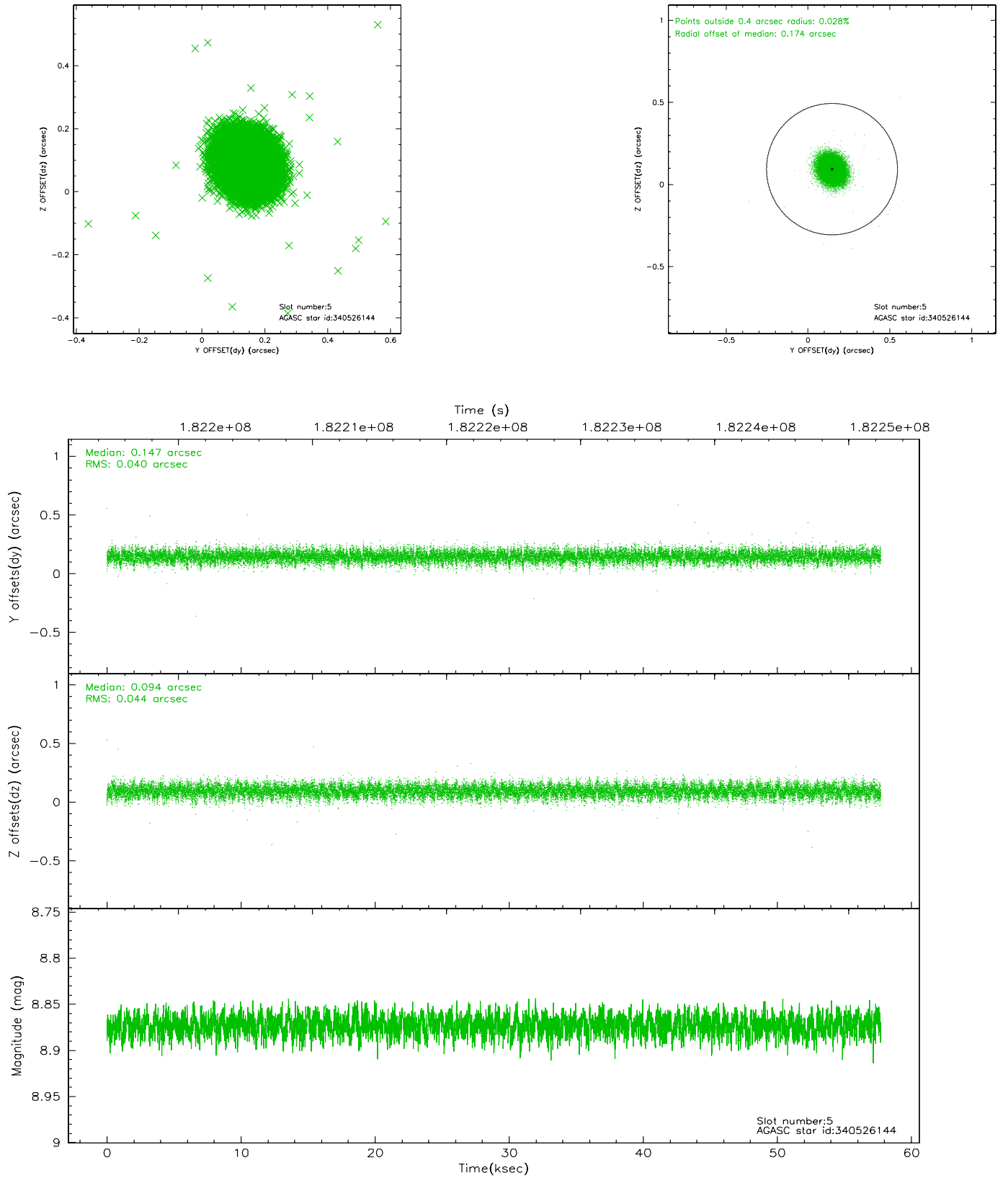
### 2.4.1 Slot 3



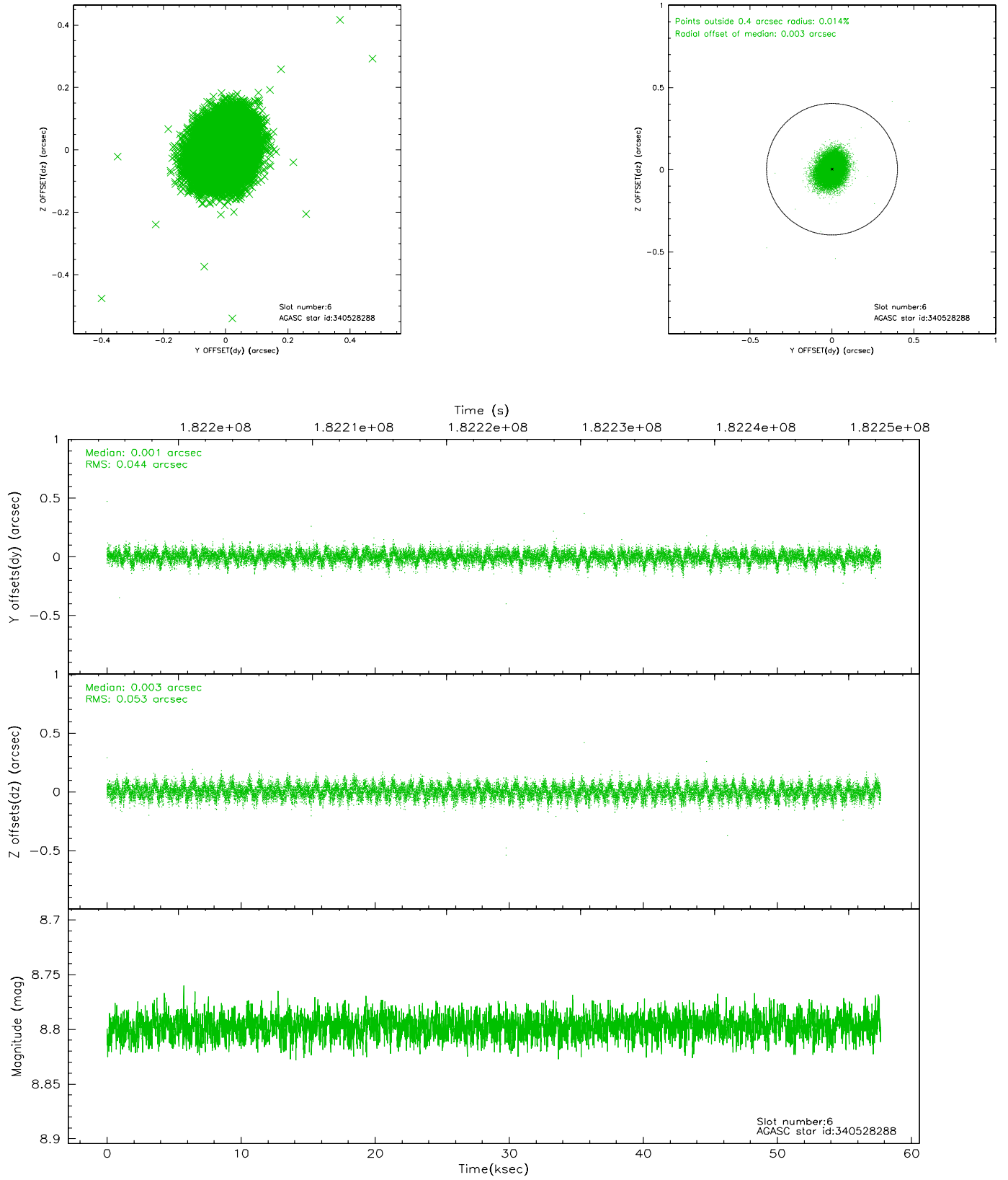
## 2.4.2 Slot 4



### 2.4.3 Slot 5

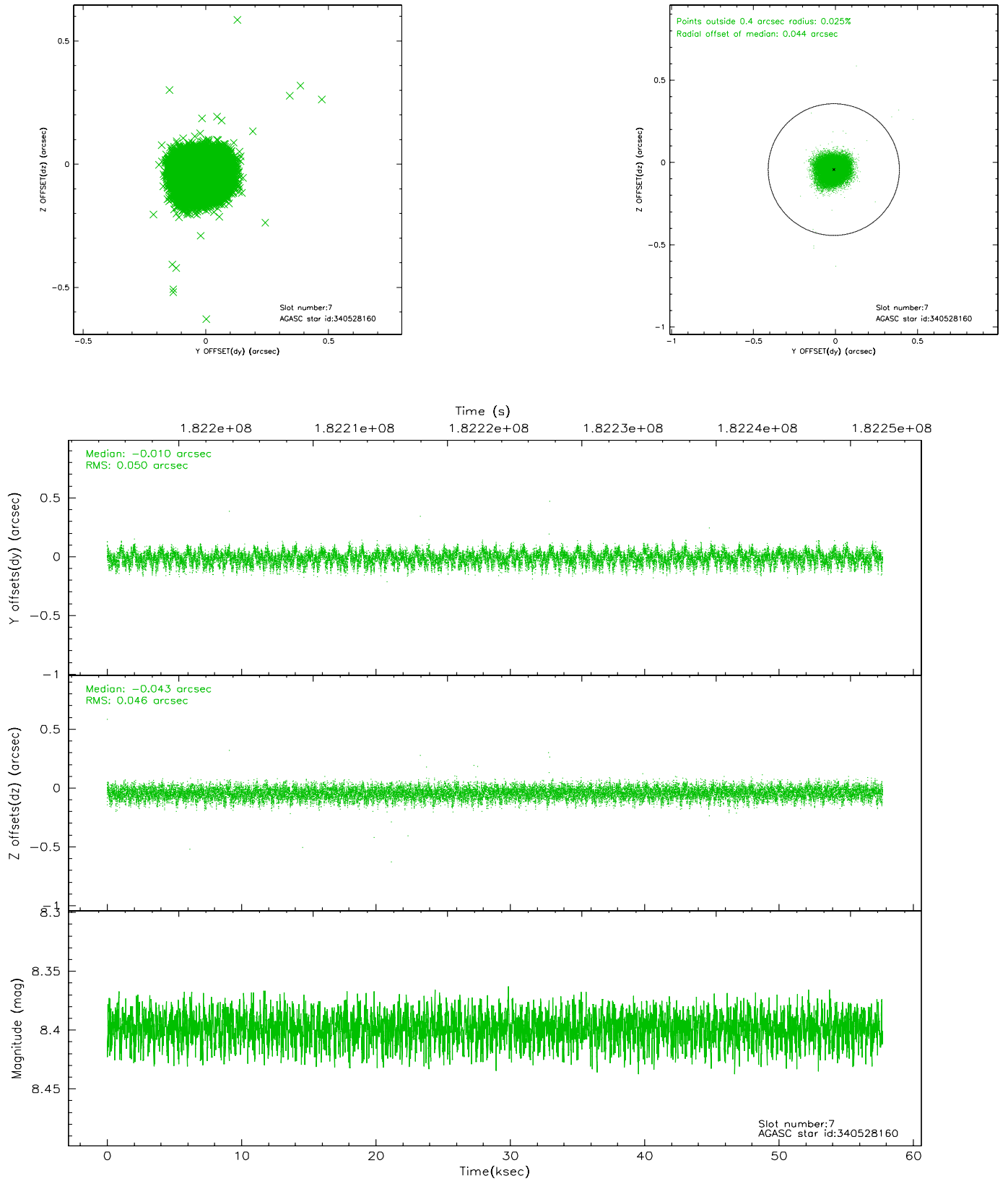


## 2.4.4 Slot 6



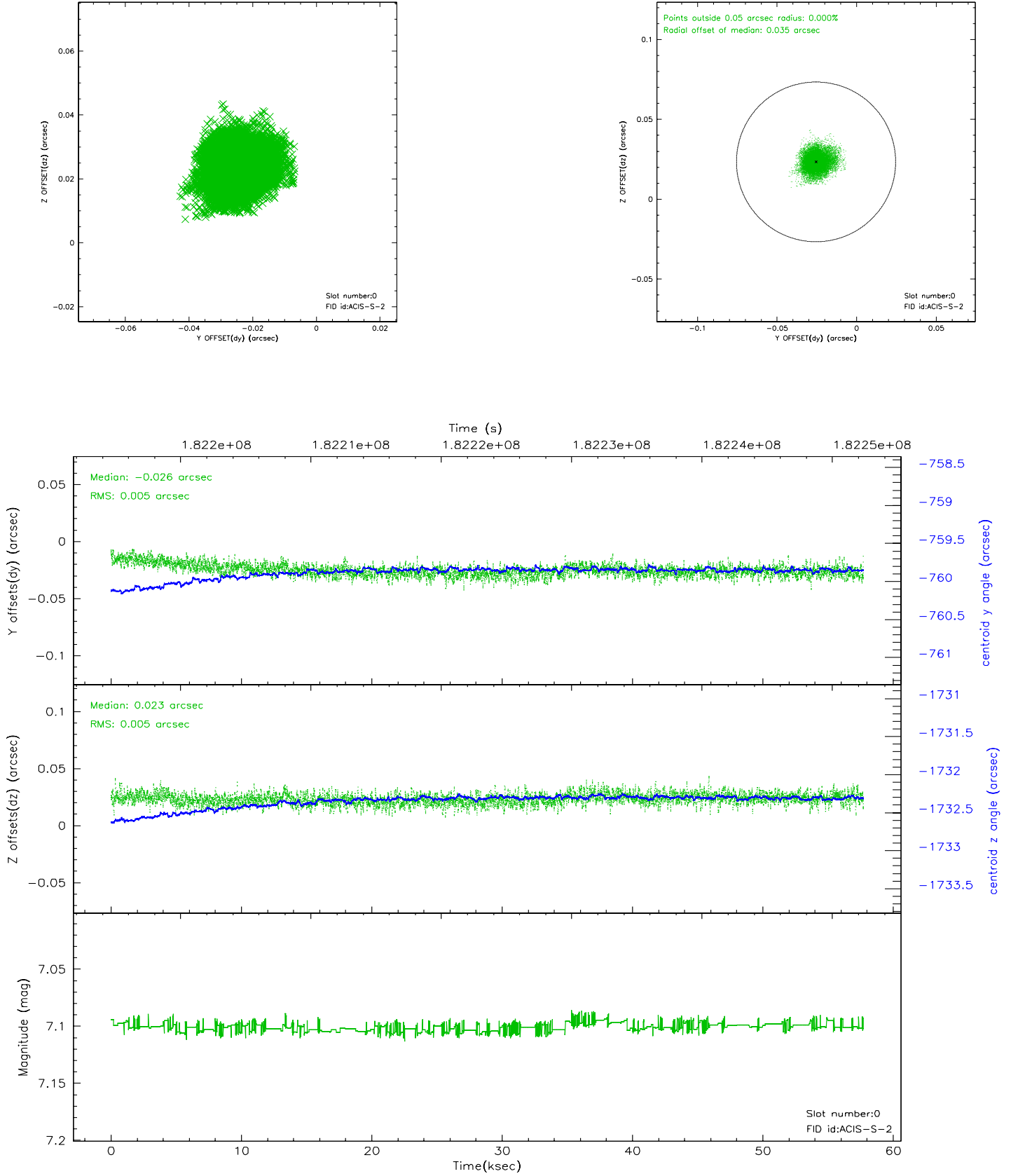


## 2.4.5 Slot 7

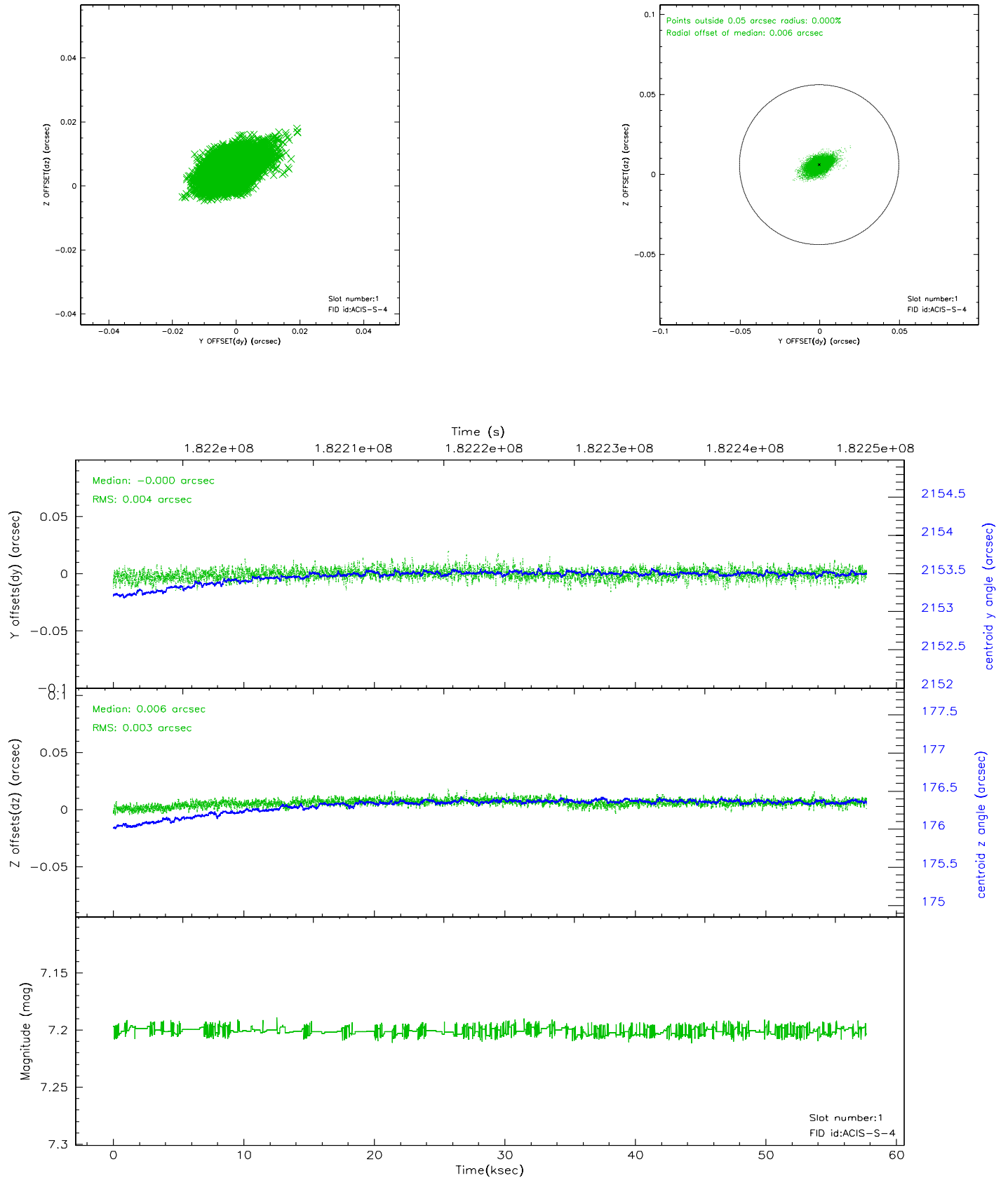


## 2.5 FID Slots

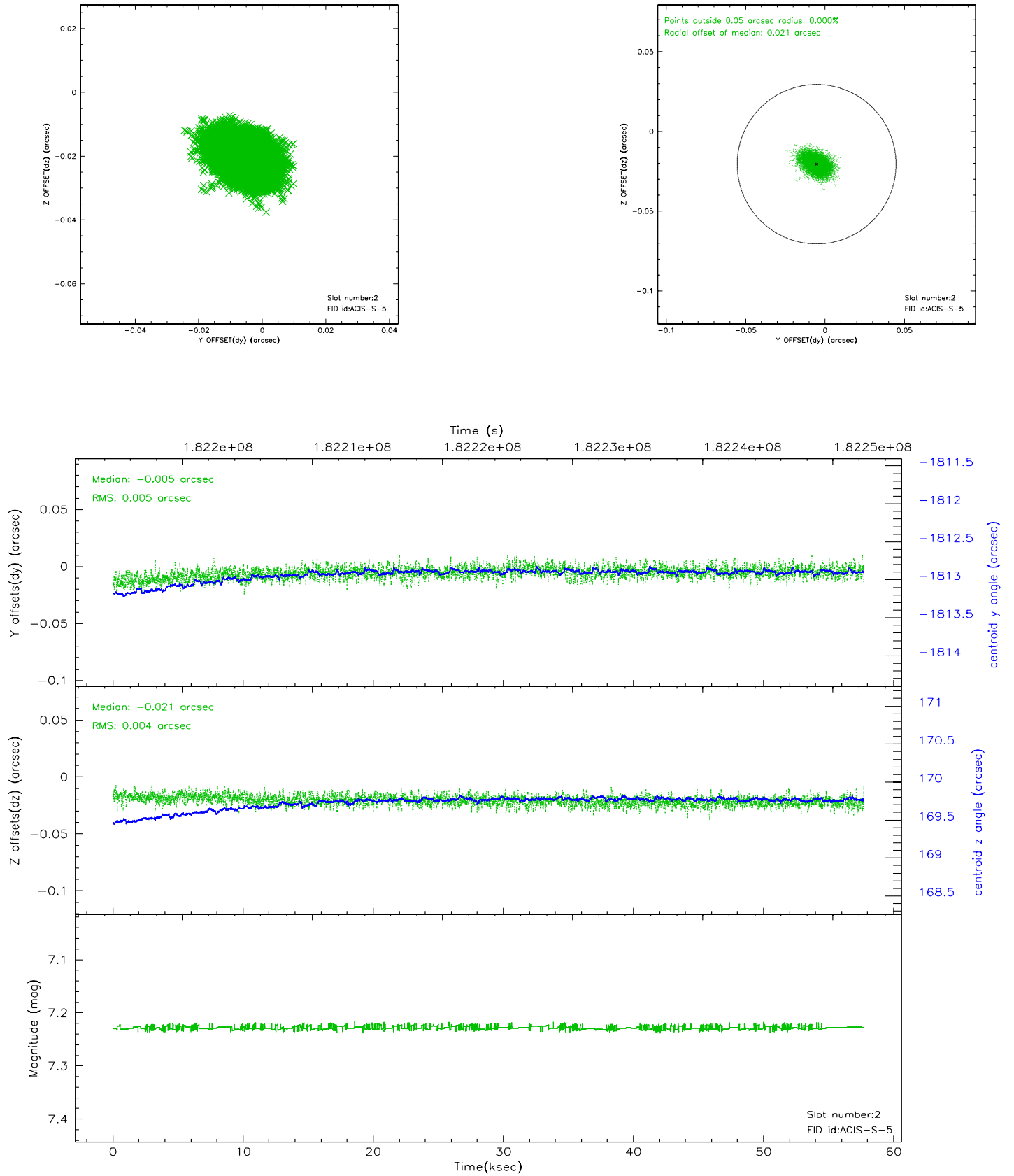
### 2.5.1 Slot 0



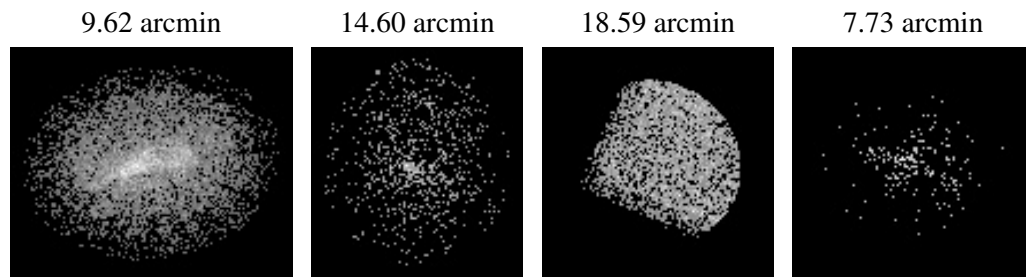
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	57.718

### A.2 Comments