

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4171 - L2 Version 001  
Chandra X-Ray Center

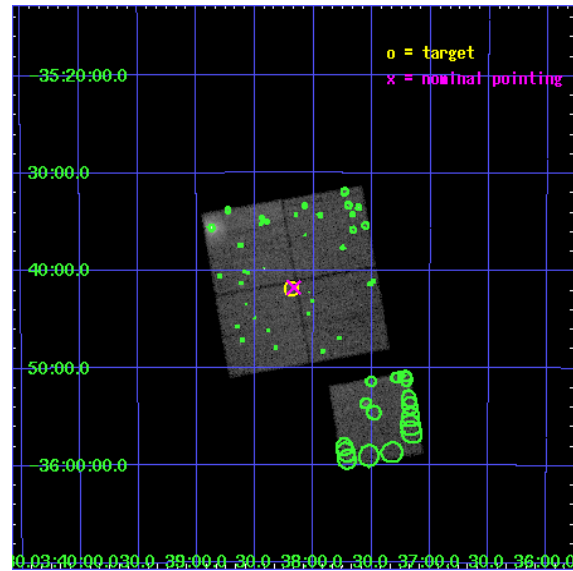
L2 Processing Date : Aug 3 2006

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# 1 Front

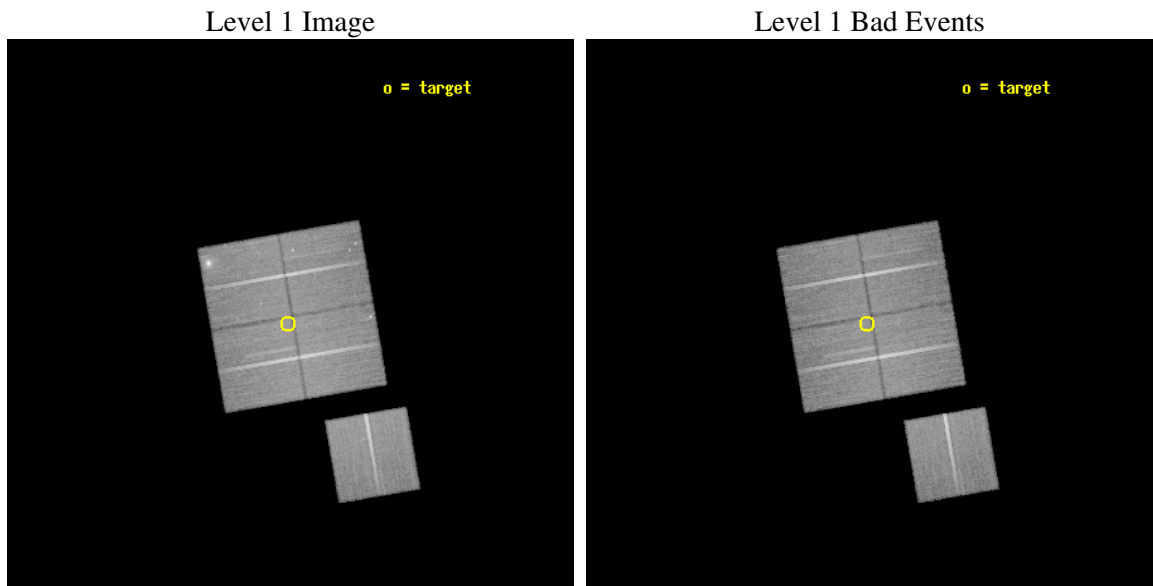
seq_num	800327
obs_id	4171
title	SURVEYING THE FORNAX CLUSTER OF GALAXIES
observer	Dr Caleb Scharf
object	FORNAX CLUSTER
dtcycle	0
cycle	P
ra_targ	54.54666
dec_targ	-35.69839
ra_nom	54.541872549284
dec_nom	-35.695873820794
roll_nom	170.20587672959
revision	2
ontime	45545.036041588
livetime	44949.956615937
ontime0	45545.03607145
ontime1	45548.17704165
ontime2	45554.458902329
ontime3	45545.036041588
ontime6	45557.599912405
l2events	142660



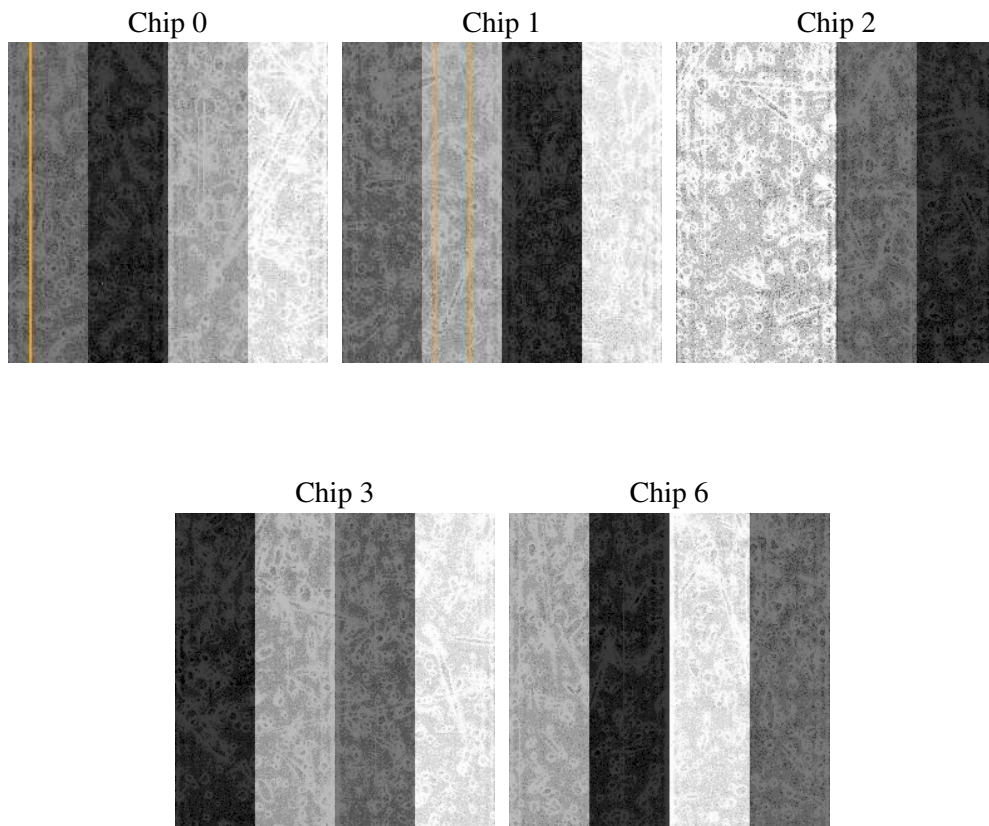
## 2 OBI

### 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	2006-08-03T03:33:11
revision	2

sched_exp_time	45420.000000
ontime	45670.14522624
ontime0	45670.145256102
ontime1	45673.28624624
ontime2	45679.56810692
ontime3	45670.14522624
ontime6	45682.709116995
l1events	1260159

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	237974	253655	266616	253648	248266
rejected events	205235	205262	237710	225366	221157
rejected %	86%	80%	89%	88%	89%

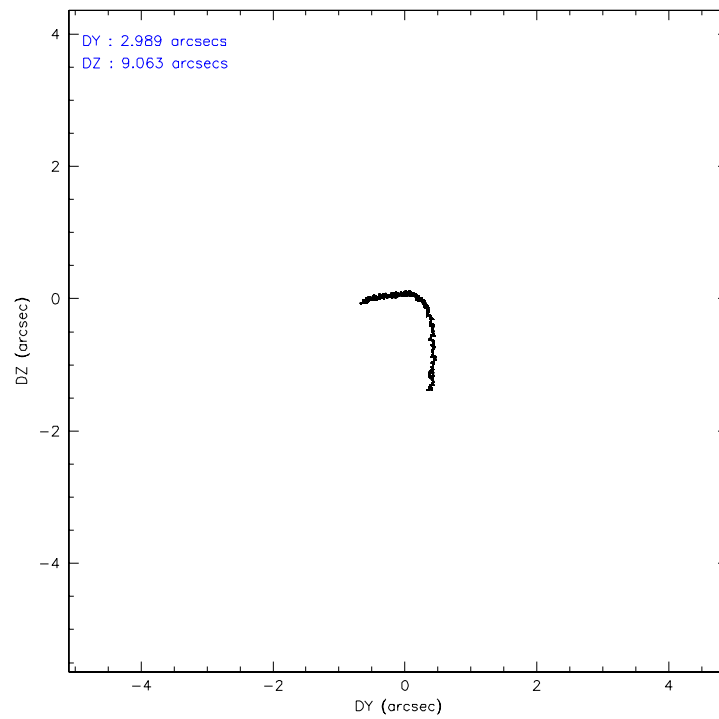
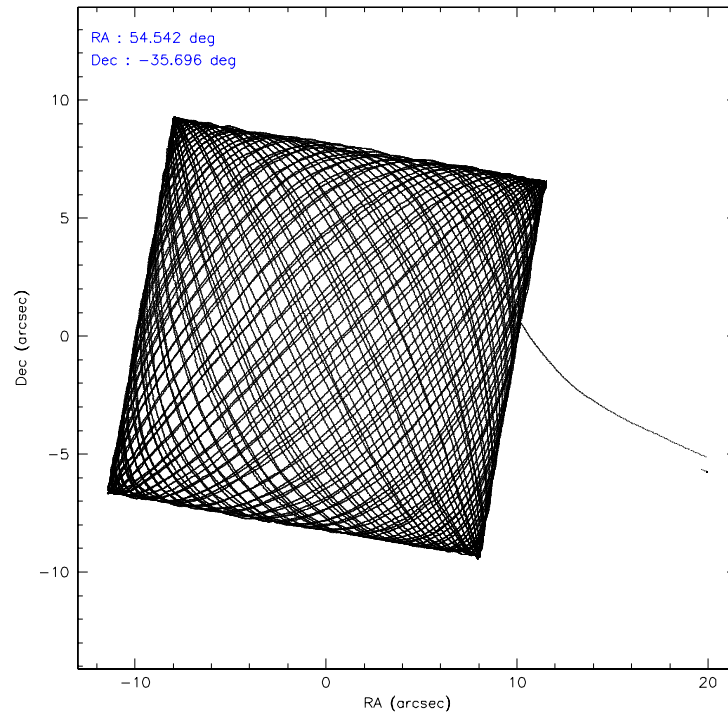
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	15864	28272	12859	12779	10852
	6%	11%	4%	5%	4%
grade 1 events	142	178	156	133	103
	0%	0%	0%	0%	0%
grade 2 events	6172	7460	5964	5385	5404
	2%	2%	2%	2%	2%
grade 3 events	3099	3616	2917	2860	2887
	1%	1%	1%	1%	1%
grade 4 events	2886	3597	2831	2849	2815
	1%	1%	1%	1%	1%
grade 5 events	8341	9225	8312	9336	9250
	3%	3%	3%	3%	3%
grade 6 events	4805	5572	4409	4499	5220
	2%	2%	1%	1%	2%
grade 7 events	196665	195735	229168	215807	211735
	82%	77%	85%	85%	85%

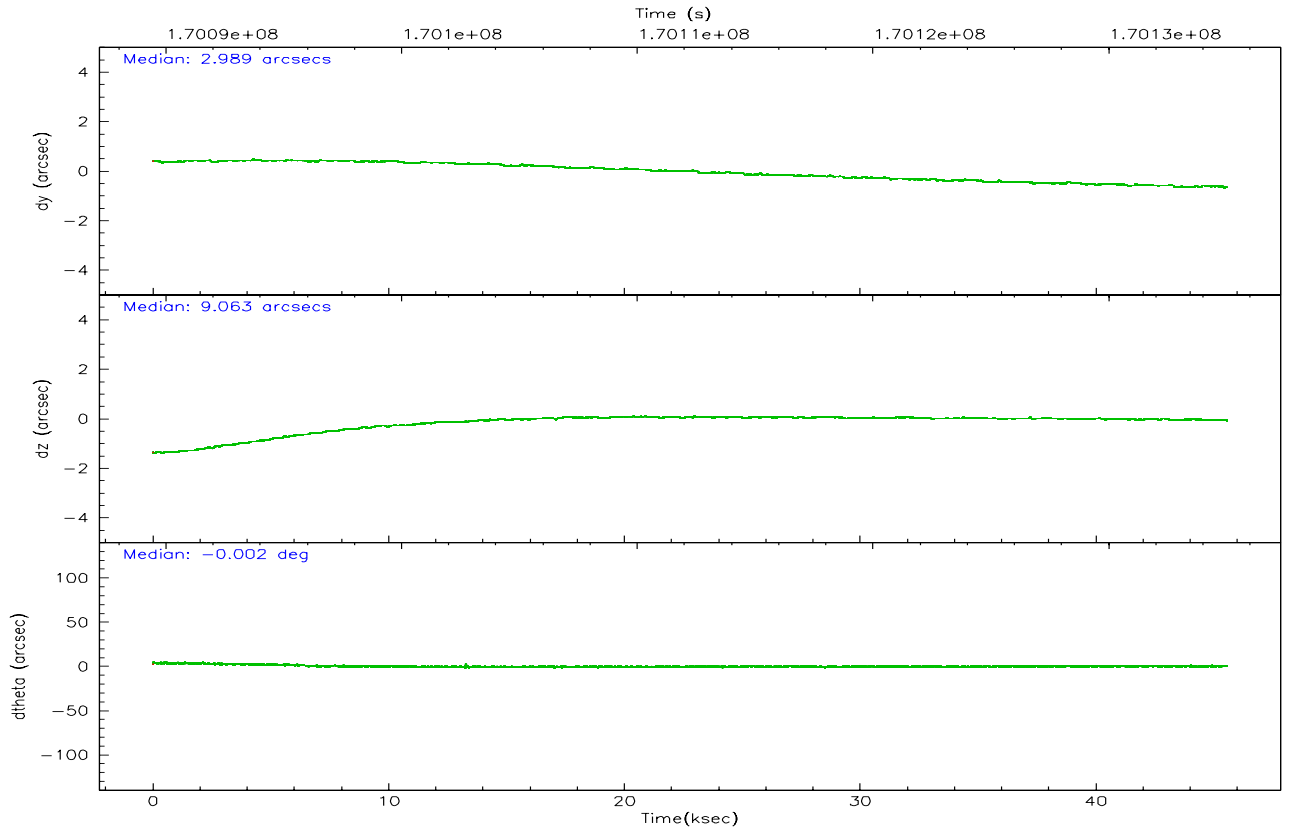
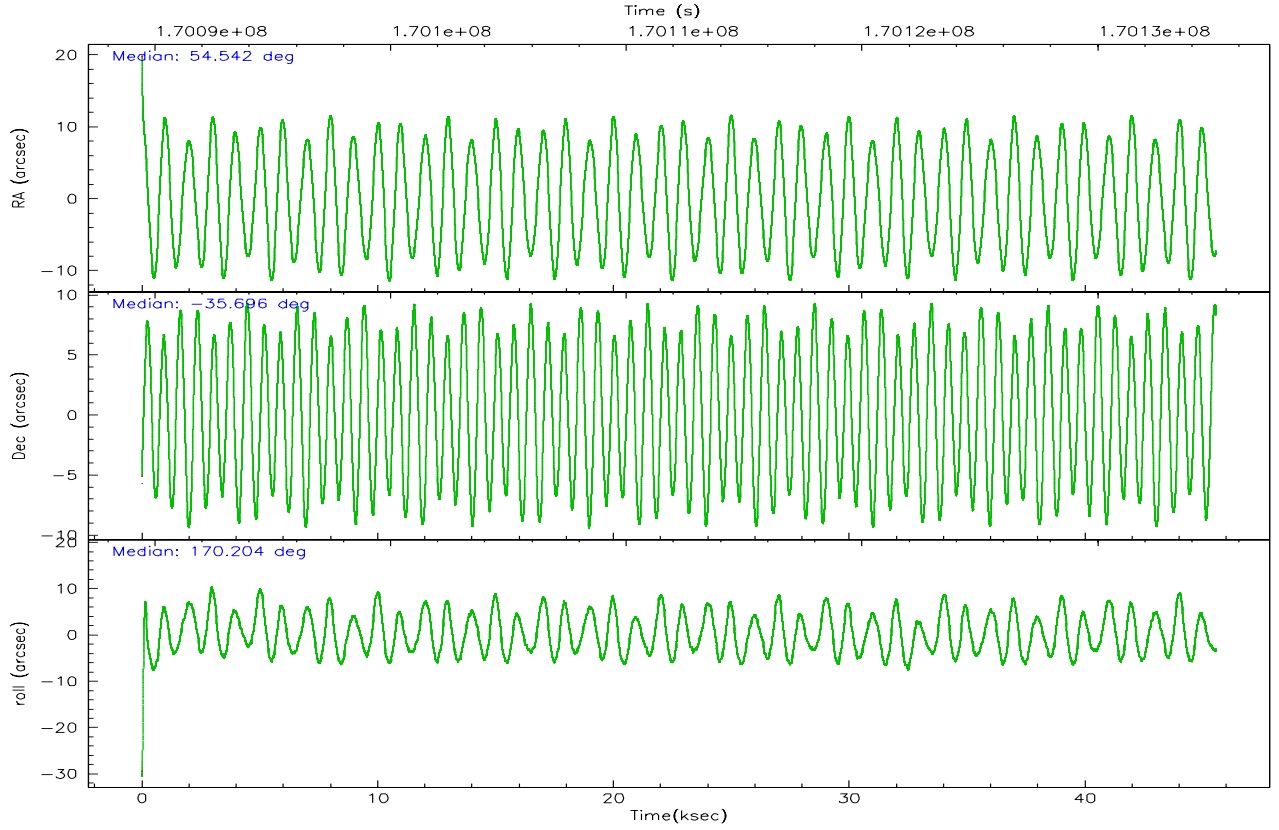


## 2.2 Compared Parameters

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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	54.573452	54.54187254928399	Alternating exposures requested	N	N
Pointing Dec	-35.686317	-35.69587382079433	Primary exposure time	0.000000	3.1
Pointing Roll	170.015627	170.2058767295908			
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	170089603.184000	170088572.94855			
Observation start date	2003-05-23T15:05:39	2003-05-23T14:49:32			
Observation end time	170135023.184000	170135157.15053			
Observation end date	2003-05-24T03:42:39	2003-05-24T03:45:57			
Read mode	TIMED	TIMED			

## 2.3 Aspect



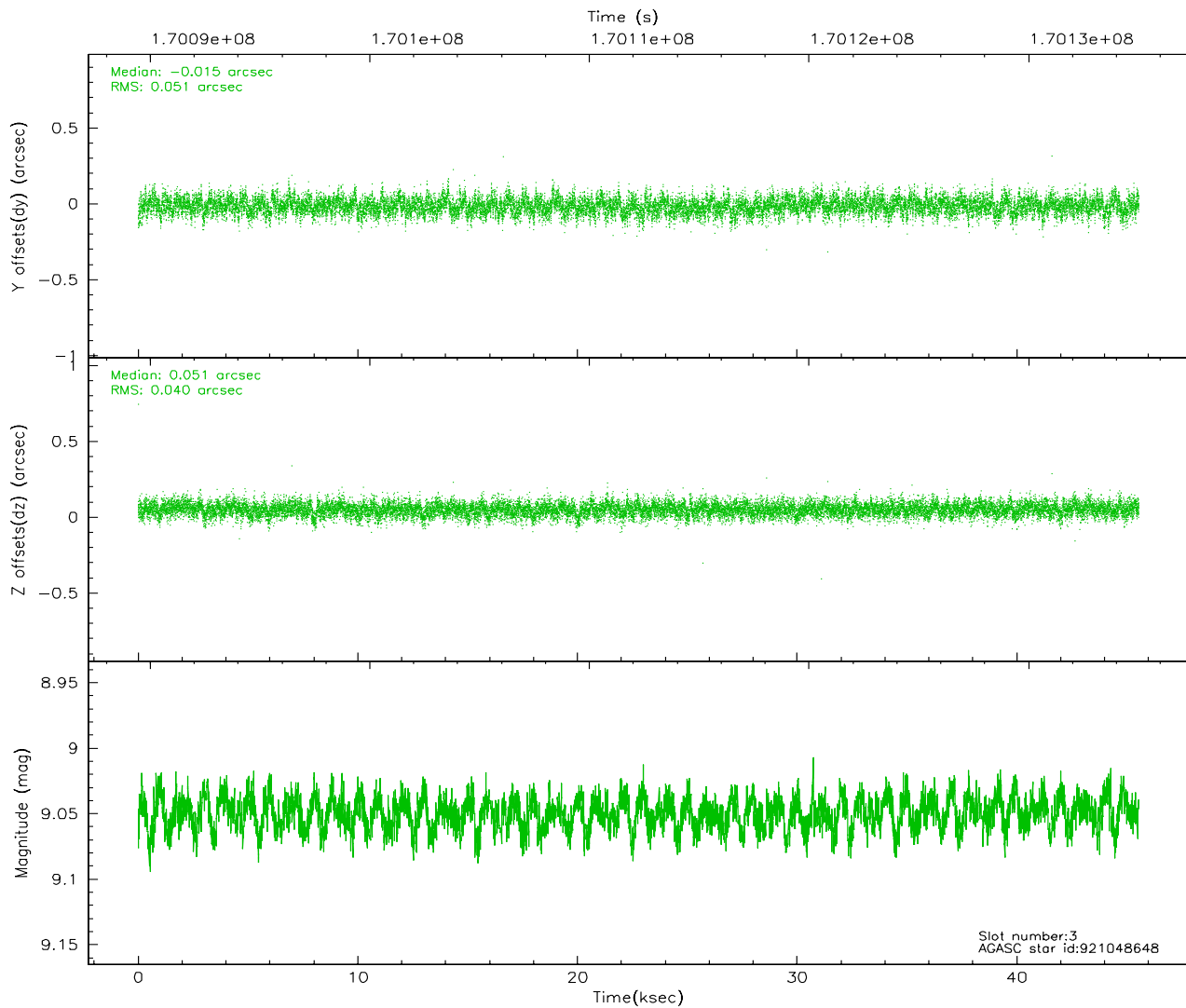
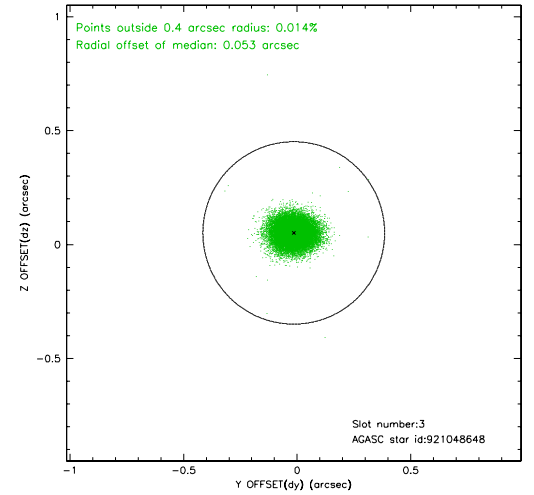
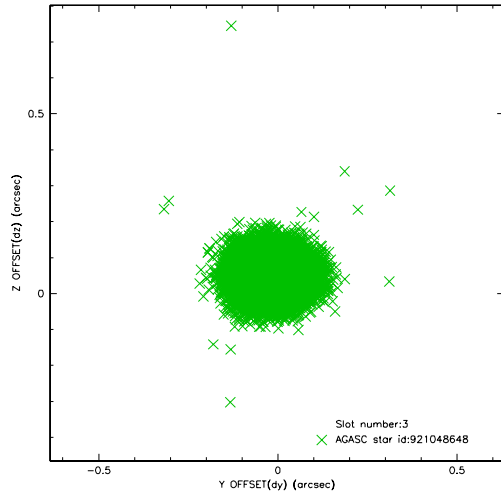


### Slot Statistics

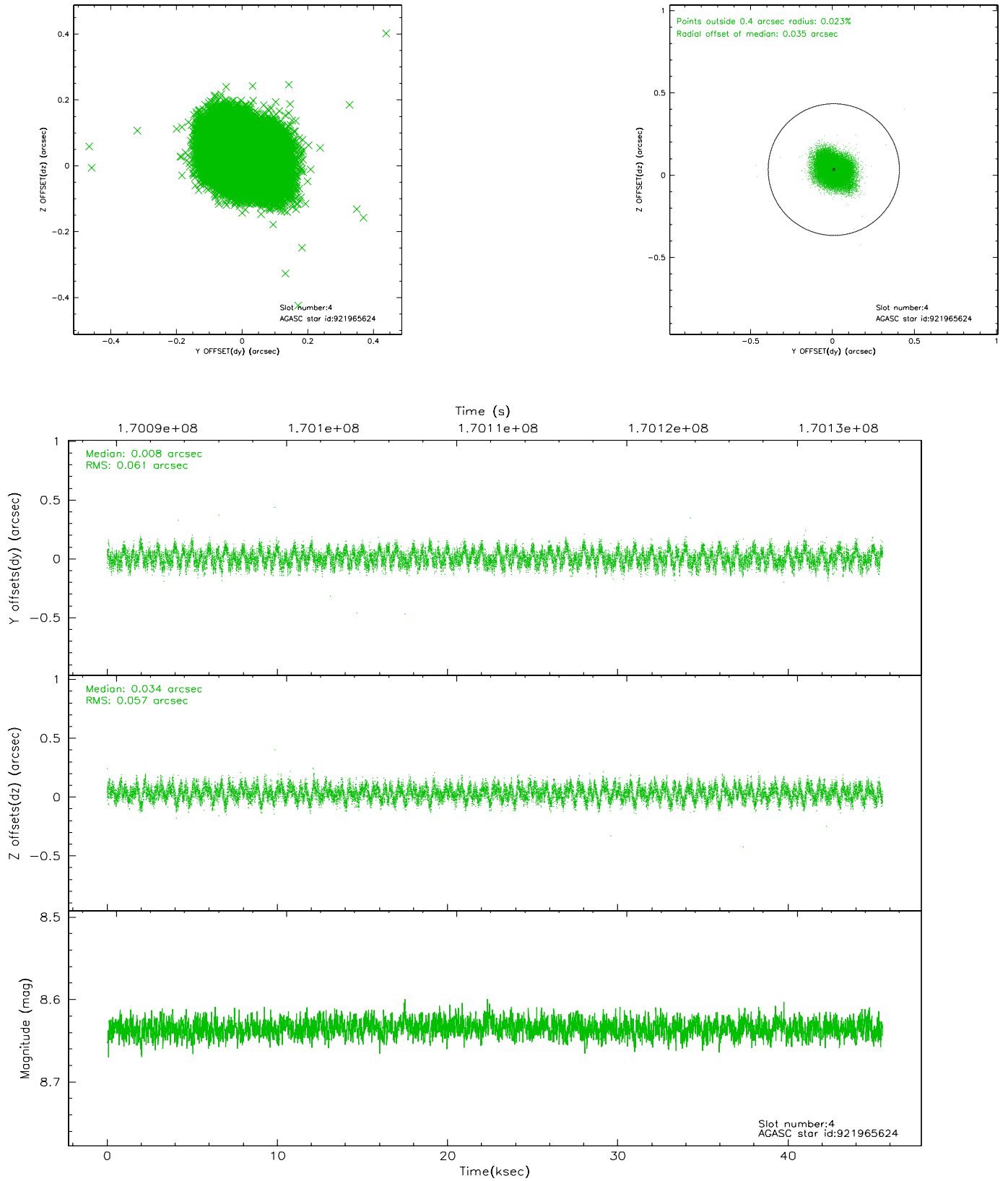
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	11113	-0.041	0.082	0.013	0.043	0.000000	0.000000	936.80	-832.24
1	FID	ACIS-I-5	7.24	11111	-0.055	0.019	0.016	0.036	0.000000	0.000000	-1811.34	1065.18
2	FID	ACIS-I-6	7.25	11113	0.003	-0.034	0.012	0.017	0.000000	0.000000	402.38	1709.63
3	GUIDE	921048648	9.05	22217	-0.015	0.051	0.068	0.112	53.884610	-35.870023	1863.14	1006.86
4	GUIDE	921965624	8.63	22221	0.008	0.034	0.091	0.140	54.900706	-35.940077	-1097.98	736.17
5	GUIDE	921966544	7.92	22224	0.031	0.162	0.058	0.092	54.743508	-35.636012	-458.58	-263.66
6	GUIDE	921967072	7.67	22227	-0.065	-0.138	0.072	0.116	54.269247	-36.292226	490.78	2302.73
7	GUIDE	921970112	9.56	22206	0.045	-0.103	0.128	0.208	54.291262	-35.695592	806.61	177.35

## 2.4 Star Slots

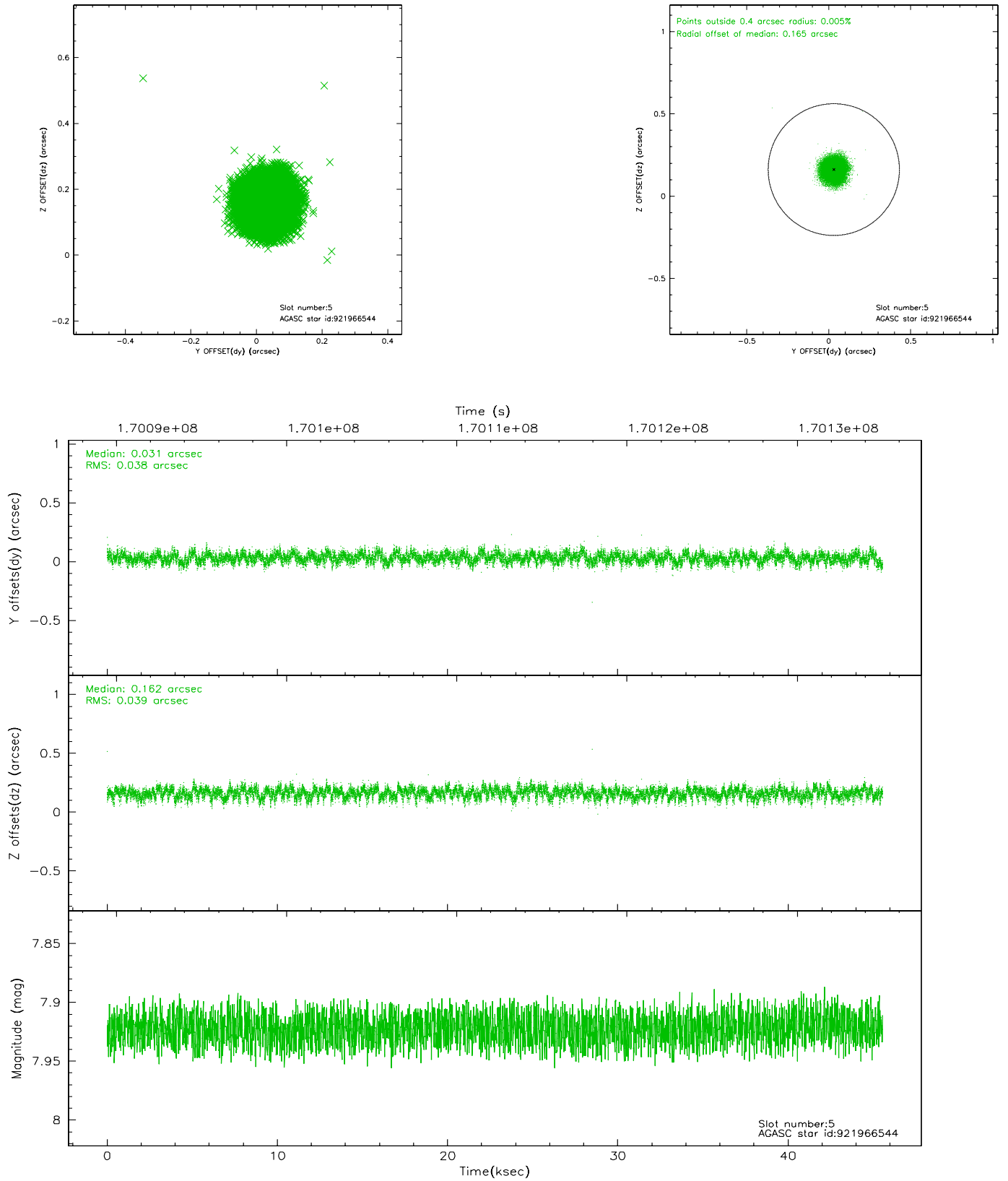
### 2.4.1 Slot 3



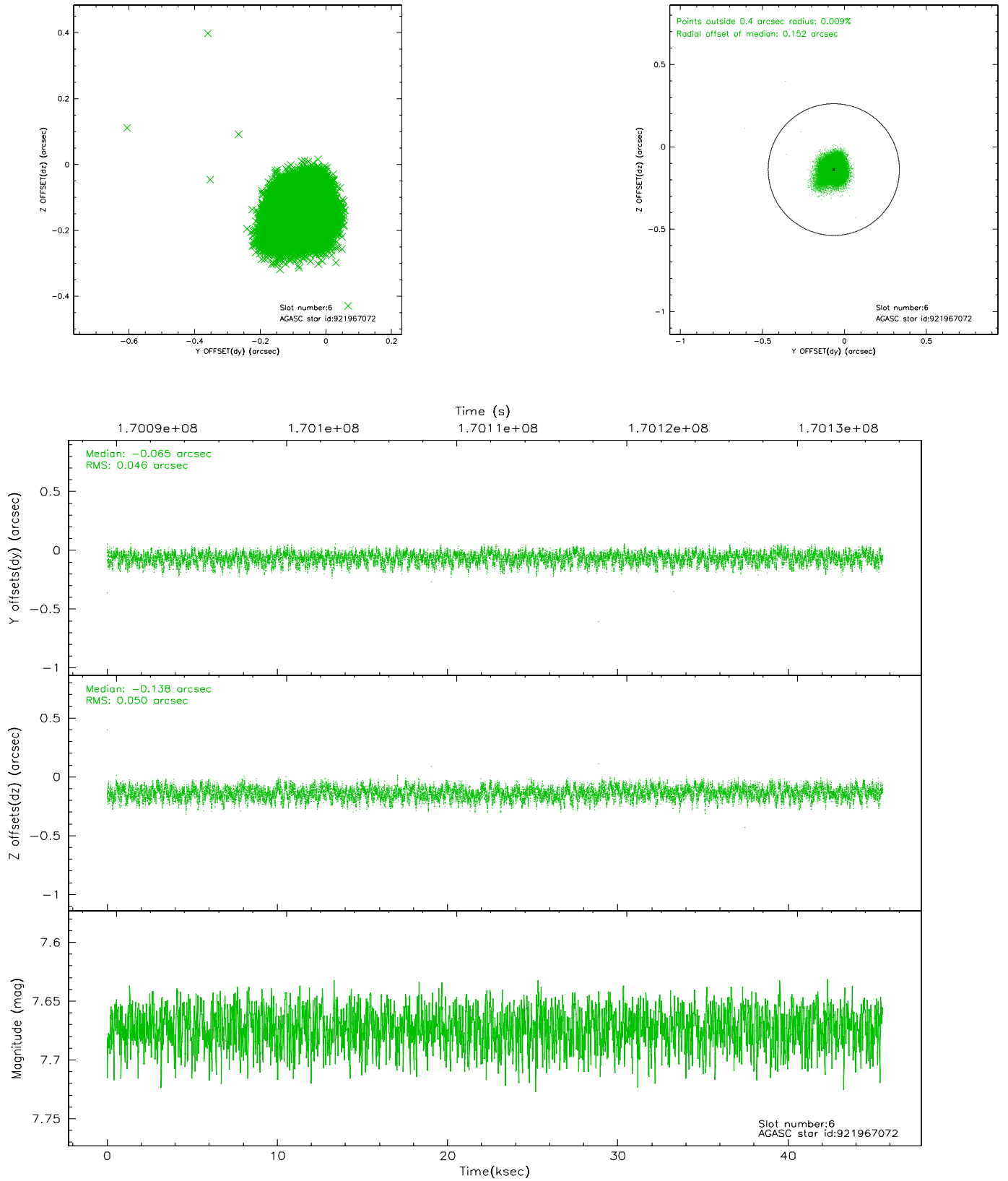
## 2.4.2 Slot 4



### 2.4.3 Slot 5

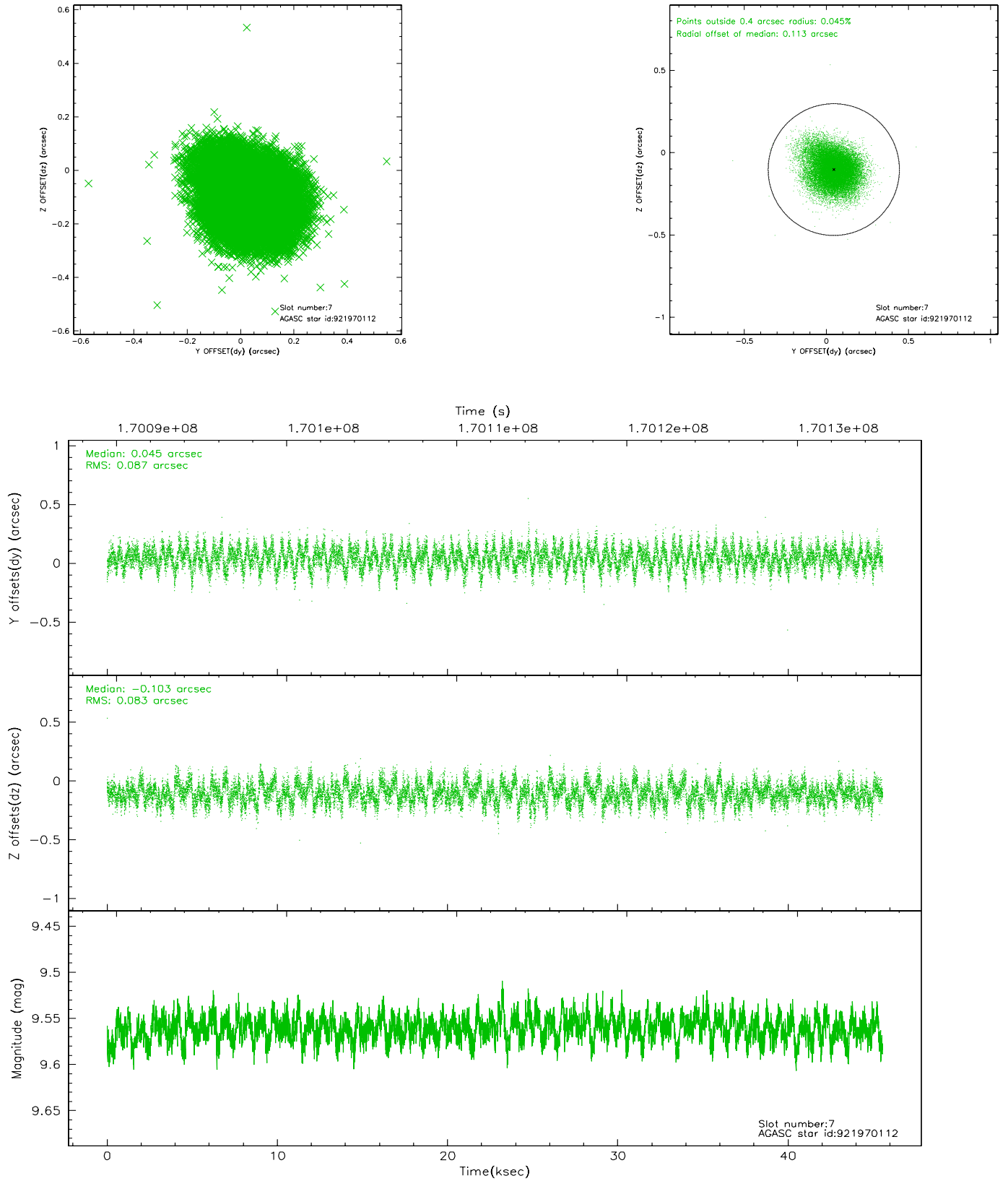


## 2.4.4 Slot 6



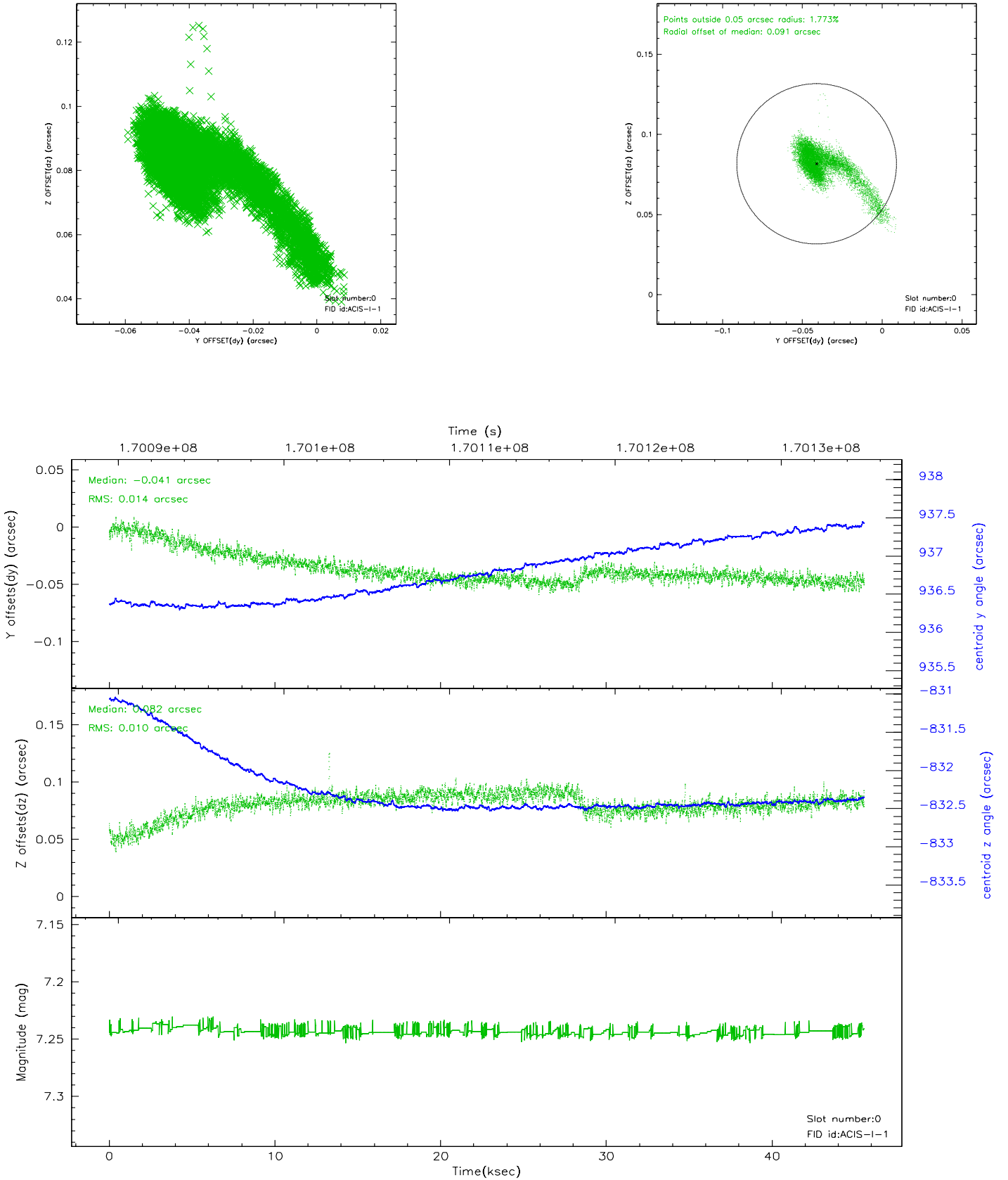


## 2.4.5 Slot 7

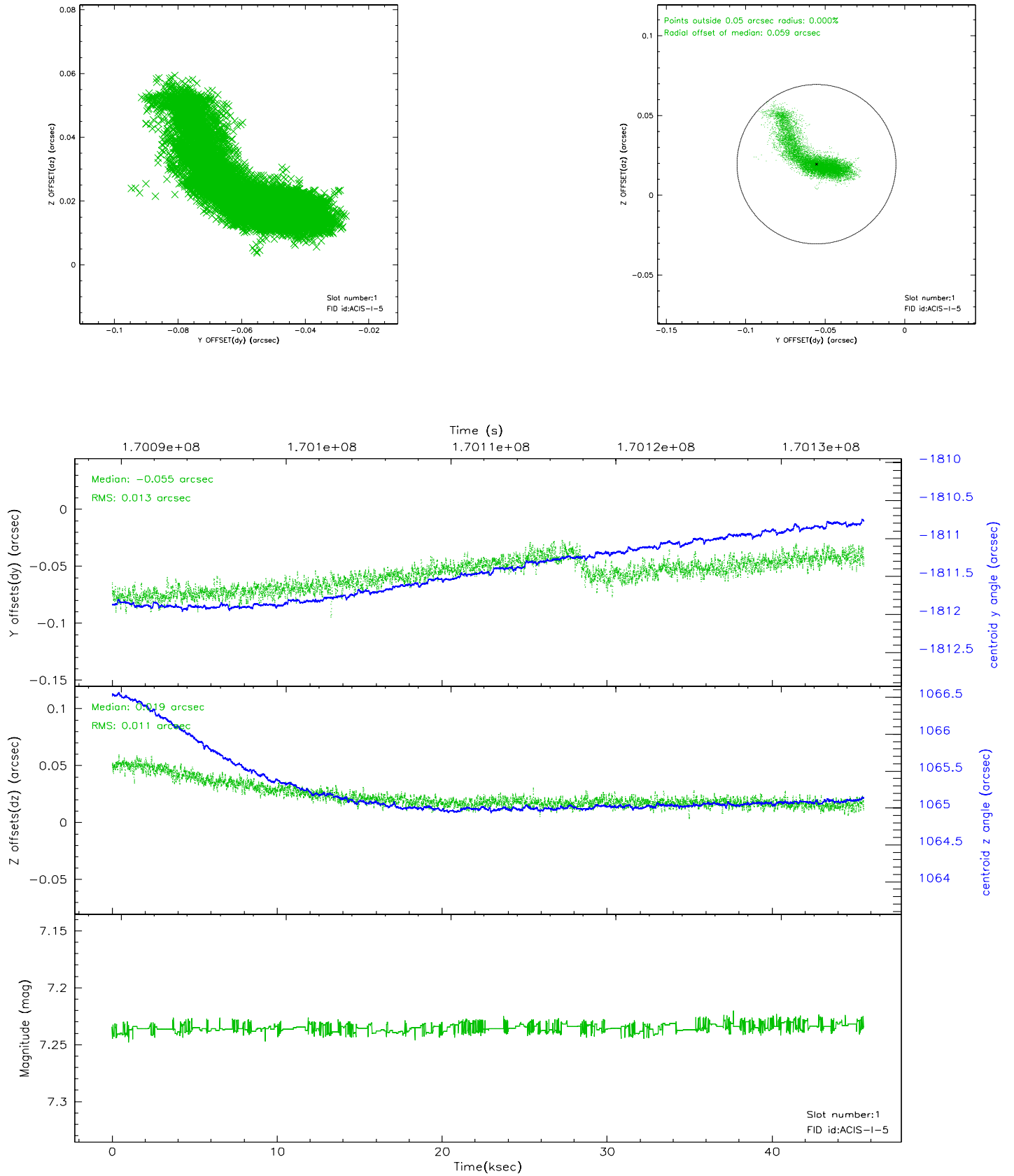


## 2.5 FID Slots

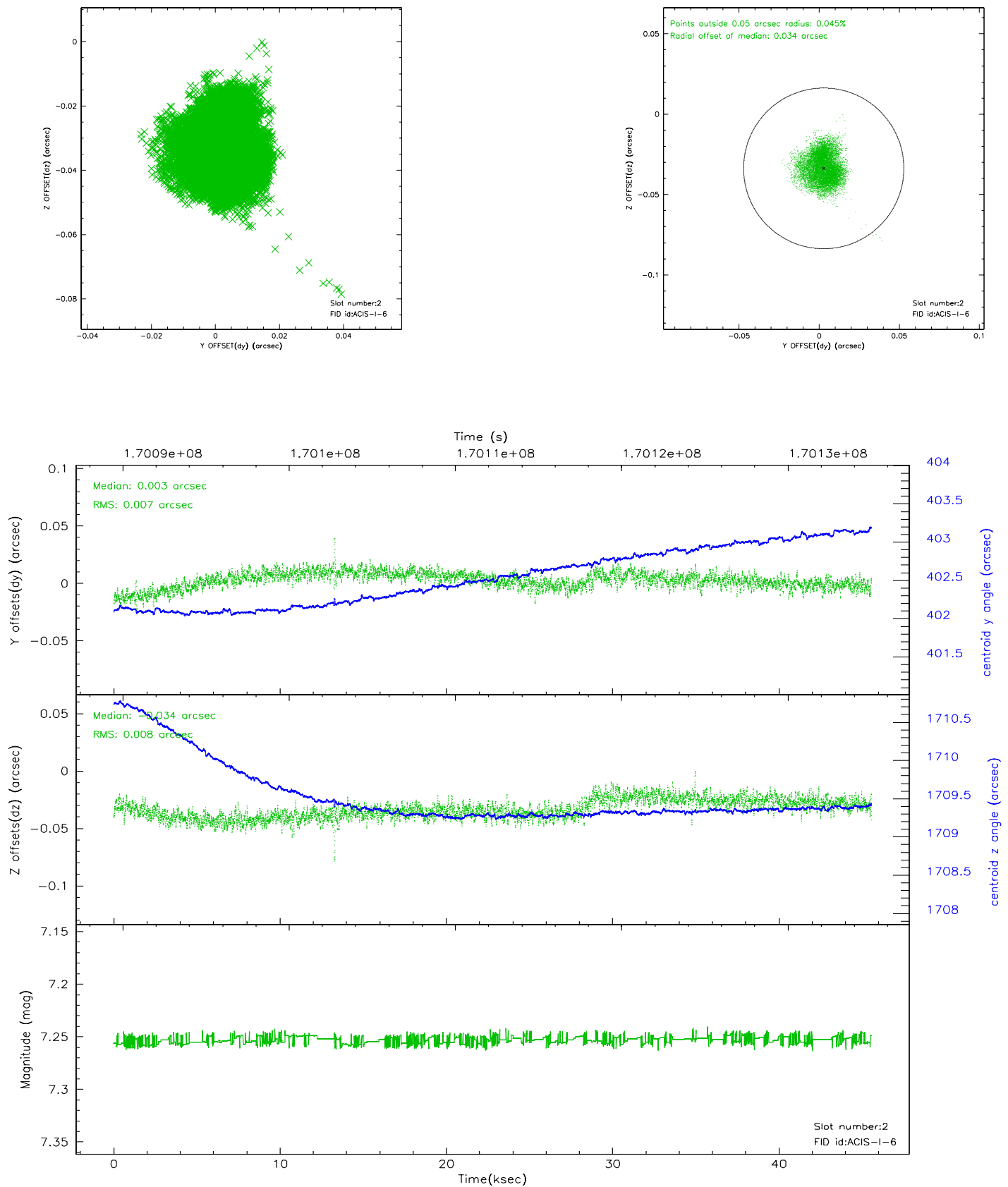
### 2.5.1 Slot 0



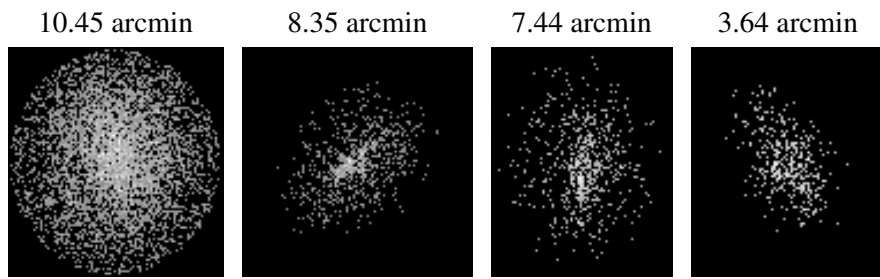
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.08.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.545

### A.2 Comments