

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 3228 - L2 Version 001  
Chandra X-Ray Center

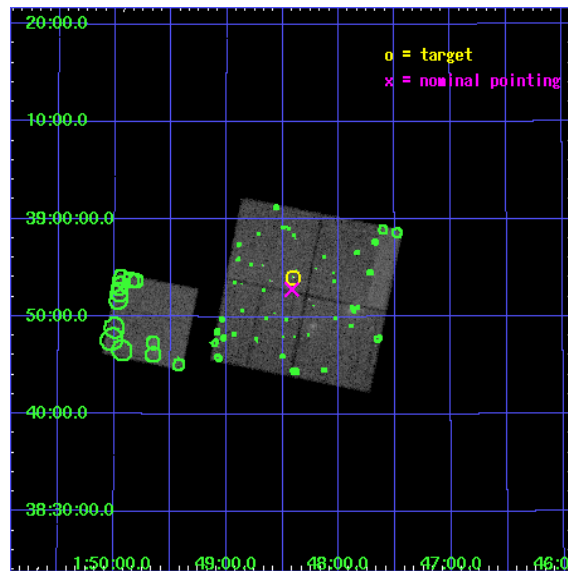
L2 Processing Date : Jan 16 2007

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# 1 Front

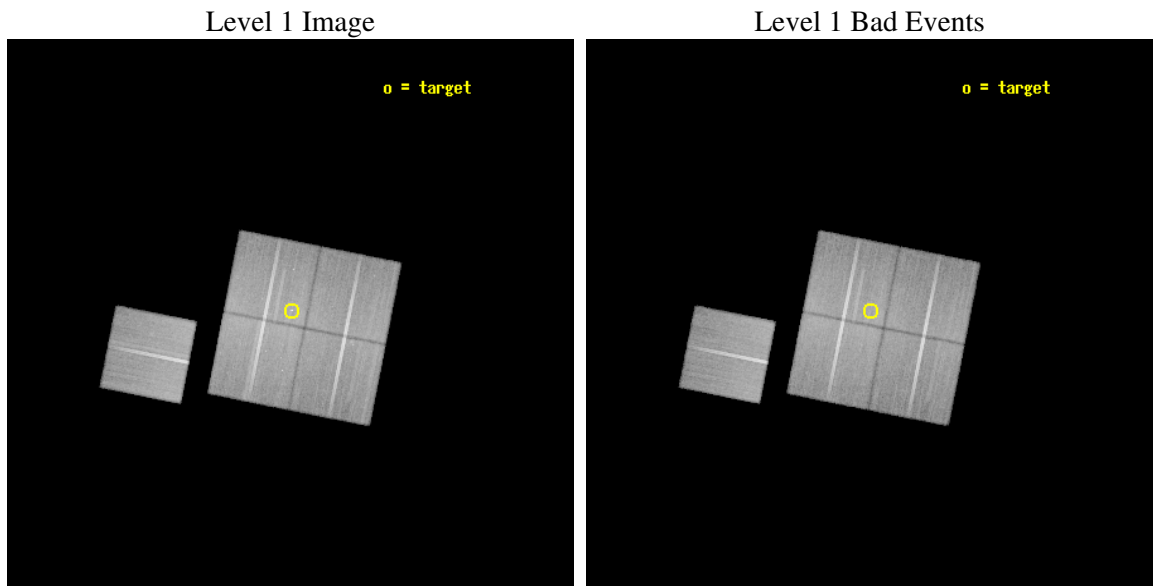
seq_num	800228
obs_id	3228
title	THE CLUSTER ENVIRONMENTS OF OLD GALAXIES IN QUASAR FIELDS AT Z ~ 1.5
observer	Dr Alan Stockton
object	TXS 0145+386 FIELD
dtcycle	0
cycle	P
ra_targ	27.101667
dec_targ	38.901389
ra_nom	27.10454182657
dec_nom	38.880447082743
roll_nom	281.2838794067
revision	2
ontime	64234.936025456
livetime	63395.659297211
ontime0	64234.936005563
ontime1	64231.795035332
ontime2	64234.936035395
ontime3	64234.936025456
ontime6	64244.337852716
l2events	154776



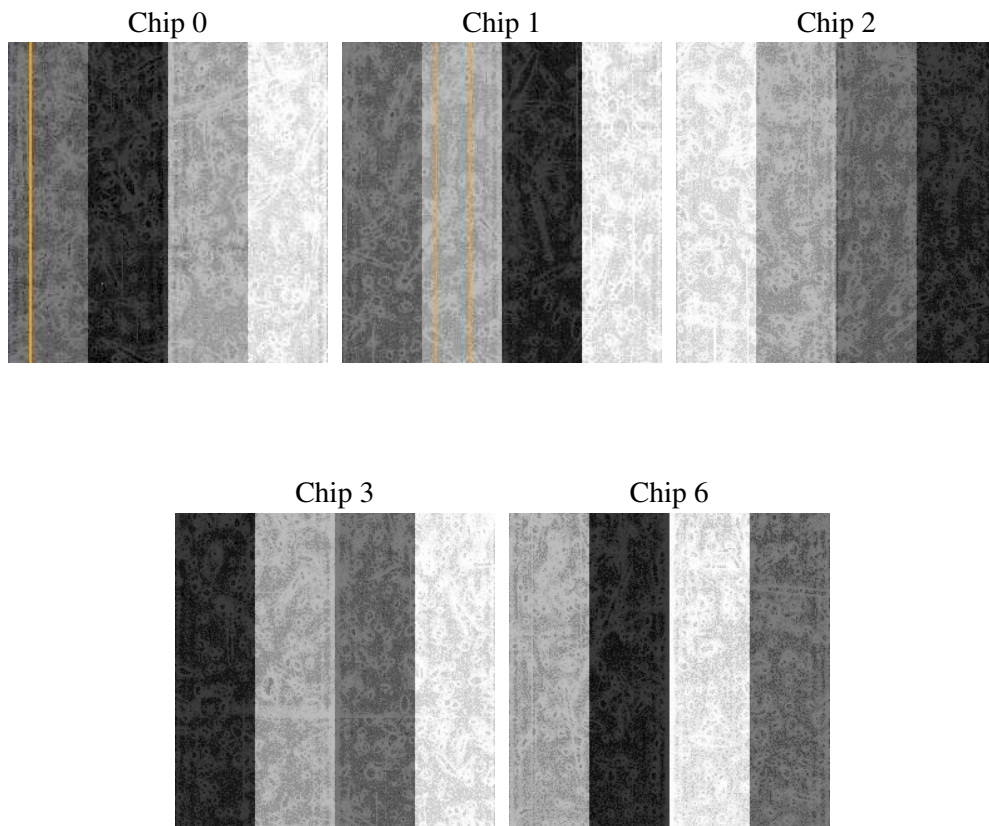
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.10
caldbver	3.3.0
date	2007-01-17T01:58:58
revision	2

sched_exp_time	64393.252000
ontime	64234.936025456
ontime0	64234.936005563
ontime1	64231.795035332
ontime2	64234.936035395
ontime3	64234.936025456
ontime6	64244.337852716
l1events	1961595

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	356837	362309	429982	399948	412519
rejected events	312819	320801	382359	364989	369680
rejected %	87%	88%	88%	91%	89%

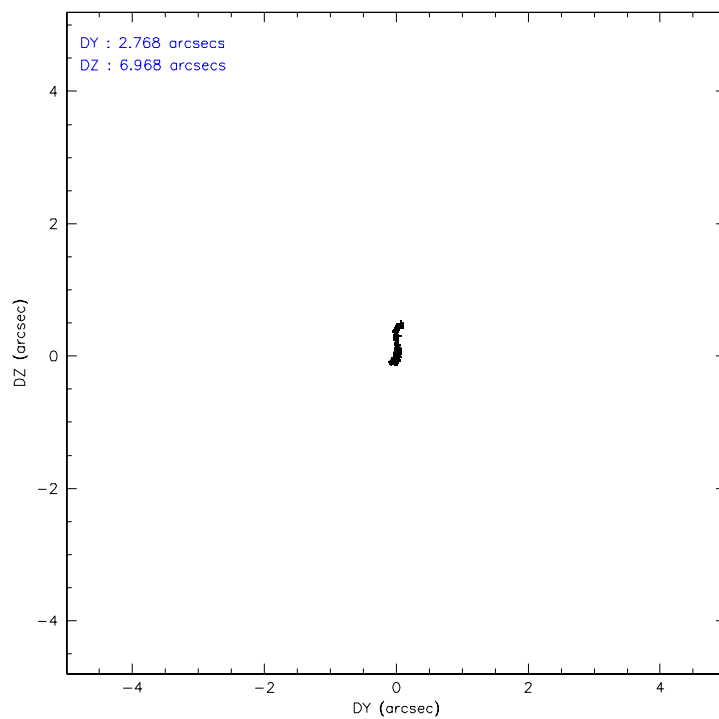
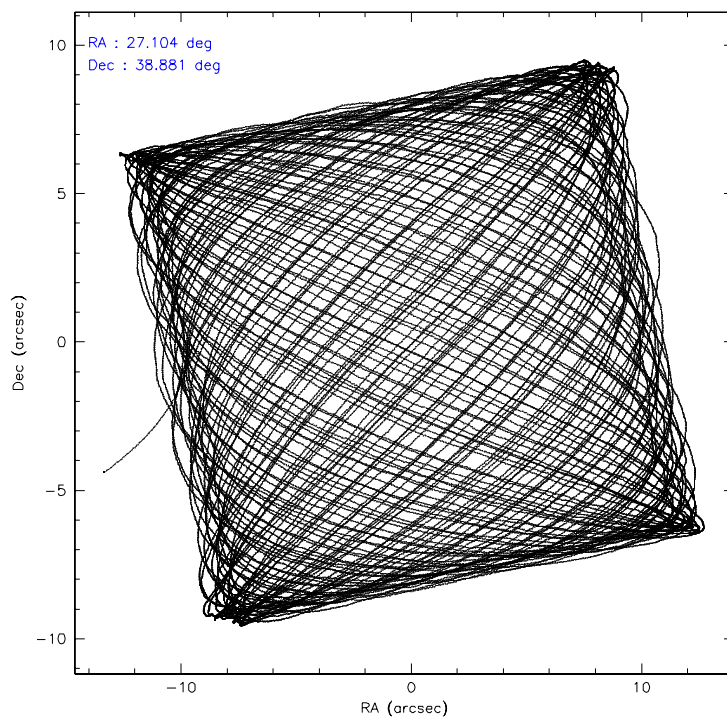
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	18064	15763	19183	13416	17230
	5%	4%	4%	3%	4%
grade 1 events	196	145	207	148	167
	0%	0%	0%	0%	0%
grade 2 events	11912	9824	13569	7877	11185
	3%	2%	3%	1%	2%
grade 3 events	3884	4382	3577	3668	3794
	1%	1%	0%	0%	0%
grade 4 events	3669	4085	4415	3546	3770
	1%	1%	1%	0%	0%
grade 5 events	10515	11574	9826	11714	11962
	2%	3%	2%	2%	2%
grade 6 events	6494	7464	6882	6453	6862
	1%	2%	1%	1%	1%
grade 7 events	302103	309072	372323	353126	357549
	84%	85%	86%	88%	86%

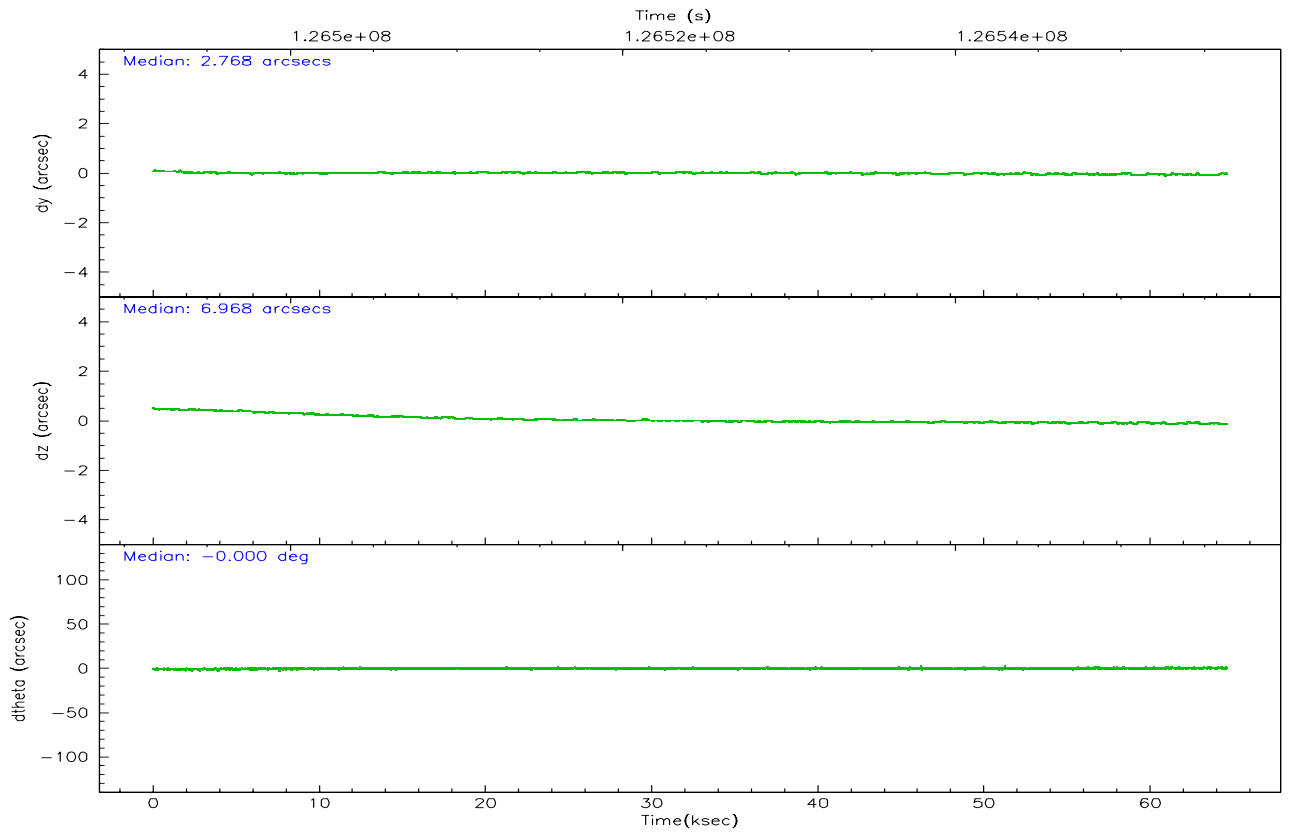
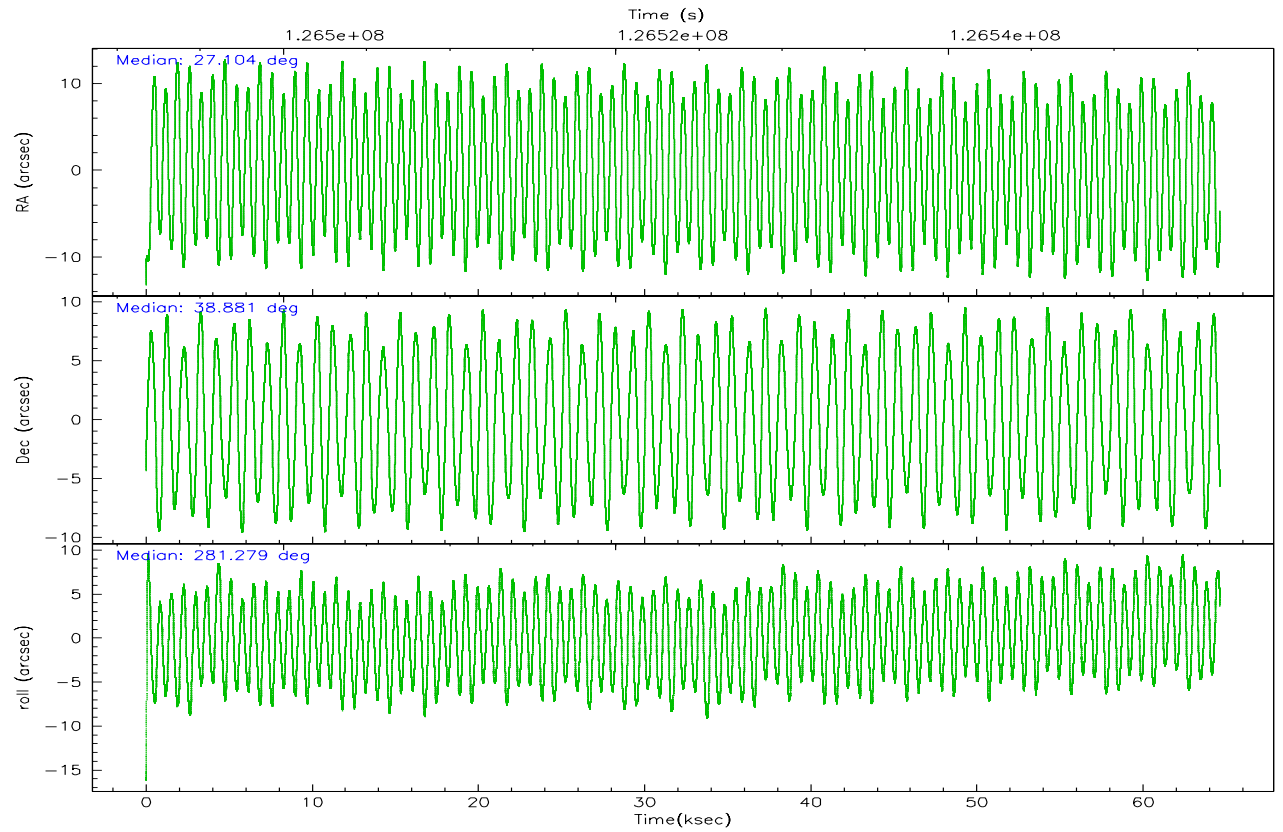


## 2.2 Compared Parameters

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	27.081245	27.10454182657023	Subarray requested	NONE	NONE
Pointing Dec	38.900993	38.88044708274262	Alternating exposures requested	N	N
Pointing Roll	281.089825	281.2838794067017	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)	-230.632463	-230.6305996661941			
SIM translation stage offset (mm)	-2.96	-2.961853336735572			
Observation start time	126491976.184000	126490983.34731			
Observation start date	2002-01-04T00:38:32	2002-01-04T00:23:03			
Observation end time	126556369.184000	126556683.79995			
Observation end date	2002-01-04T18:31:45	2002-01-04T18:38:03			
Read mode	TIMED	TIMED			

## 2.3 Aspect



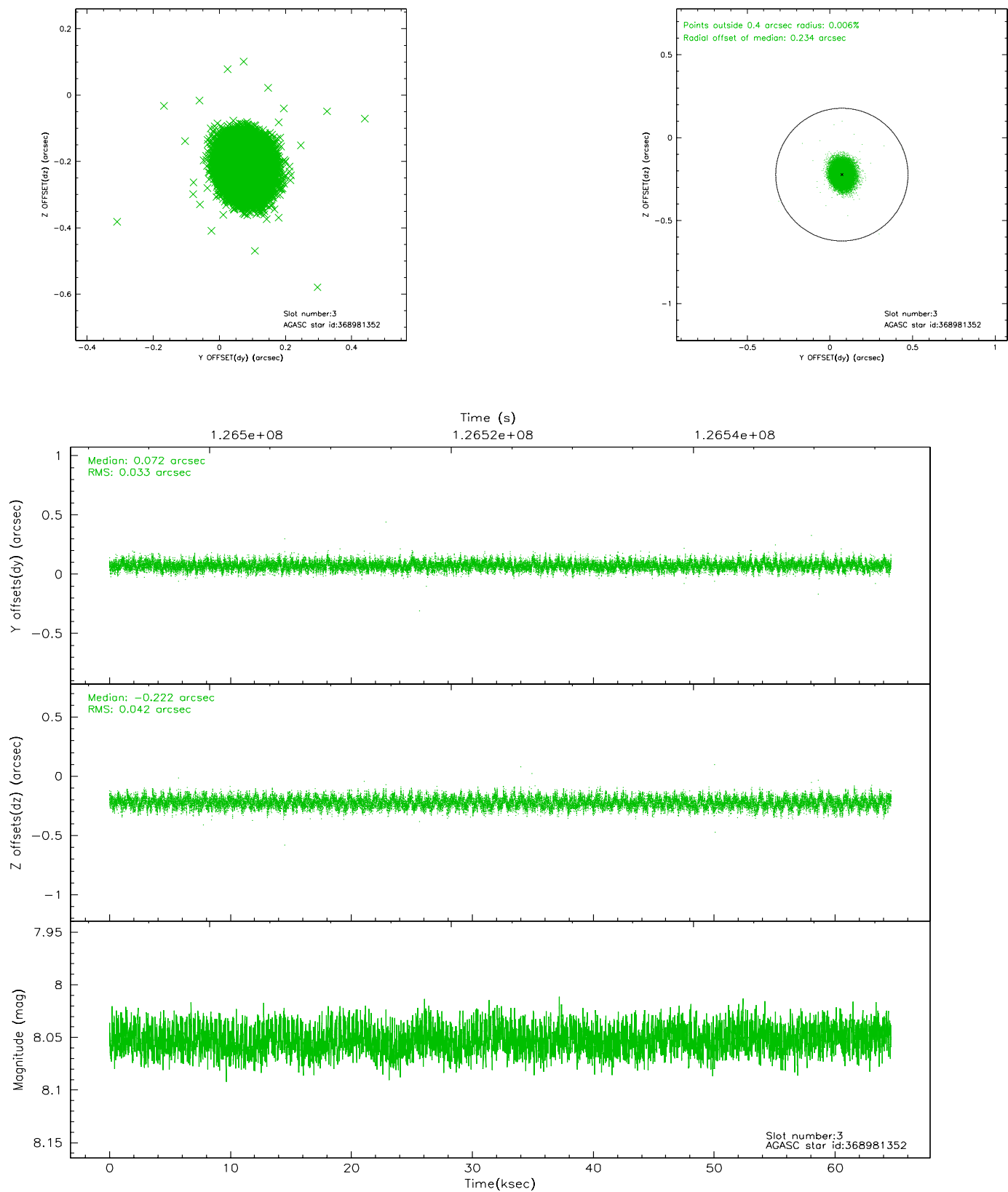


### Slot Statistics

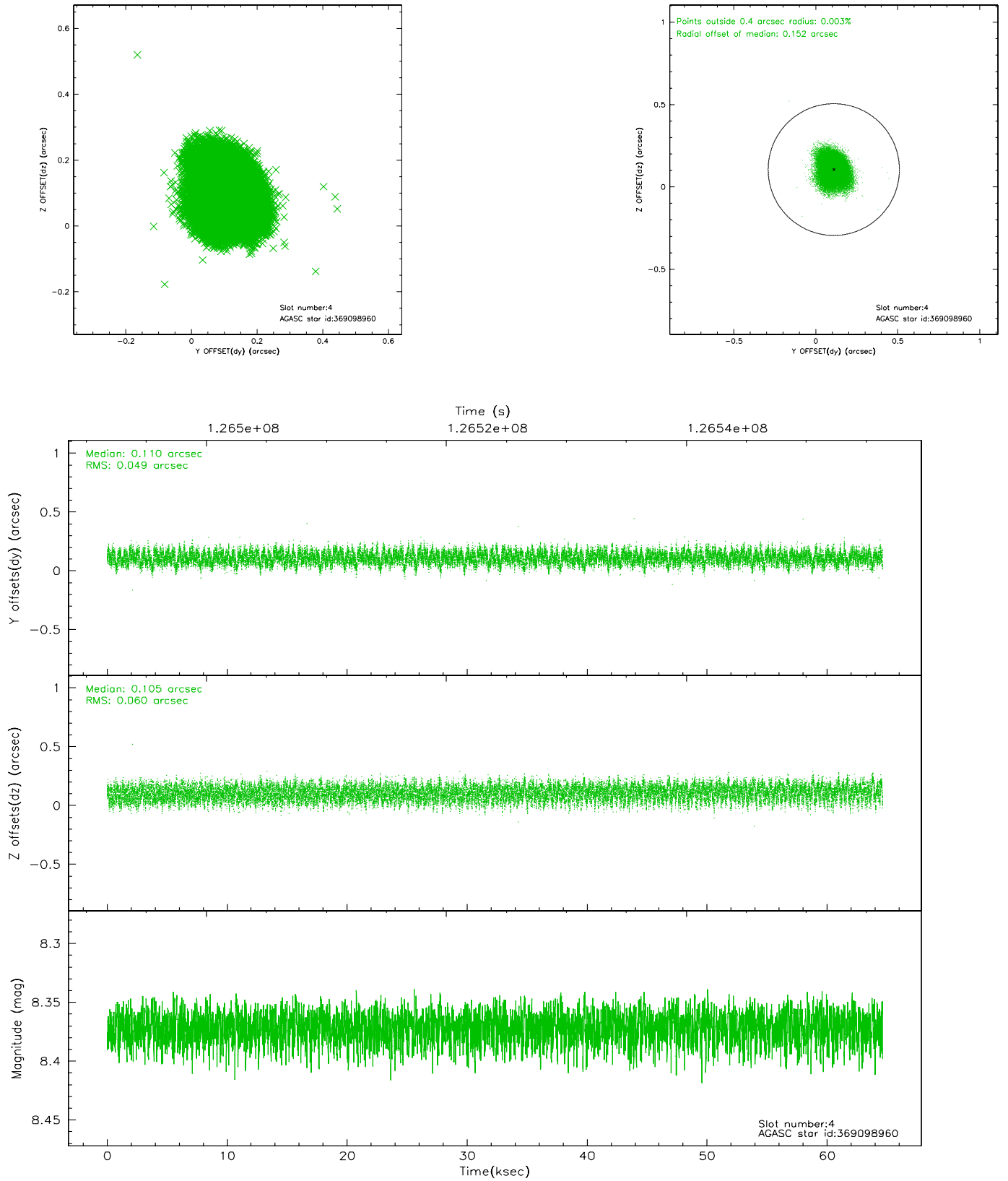
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	15767	-0.027	-0.014	0.008	0.013	0.000000	0.000000	936.92	-891.21
1	FID	ACIS-I-3	7.43	15766	-0.003	0.185	0.007	0.011	0.000000	0.000000	54.41	-1024.27
2	FID	ACIS-I-6	7.25	15767	-0.059	-0.104	0.007	0.014	0.000000	0.000000	402.69	1650.55
3	GUIDE	368981352	8.05	31531	0.072	-0.222	0.057	0.092	26.710723	38.748800	336.80	-1125.77
4	GUIDE	369098960	8.37	31529	0.110	0.105	0.083	0.131	27.824103	38.835612	624.43	2000.97
5	GUIDE	369505424	8.36	31521	-0.097	0.068	0.067	0.107	27.325859	39.451890	-1815.36	1049.20
6	GUIDE	368972000	9.21	31511	0.040	0.094	0.079	0.127	27.060779	38.220460	2394.20	-527.46
7	GUIDE	368974776	9.50	31508	-0.128	-0.042	0.103	0.169	26.661395	39.155852	-1127.29	-973.04

## 2.4 Star Slots

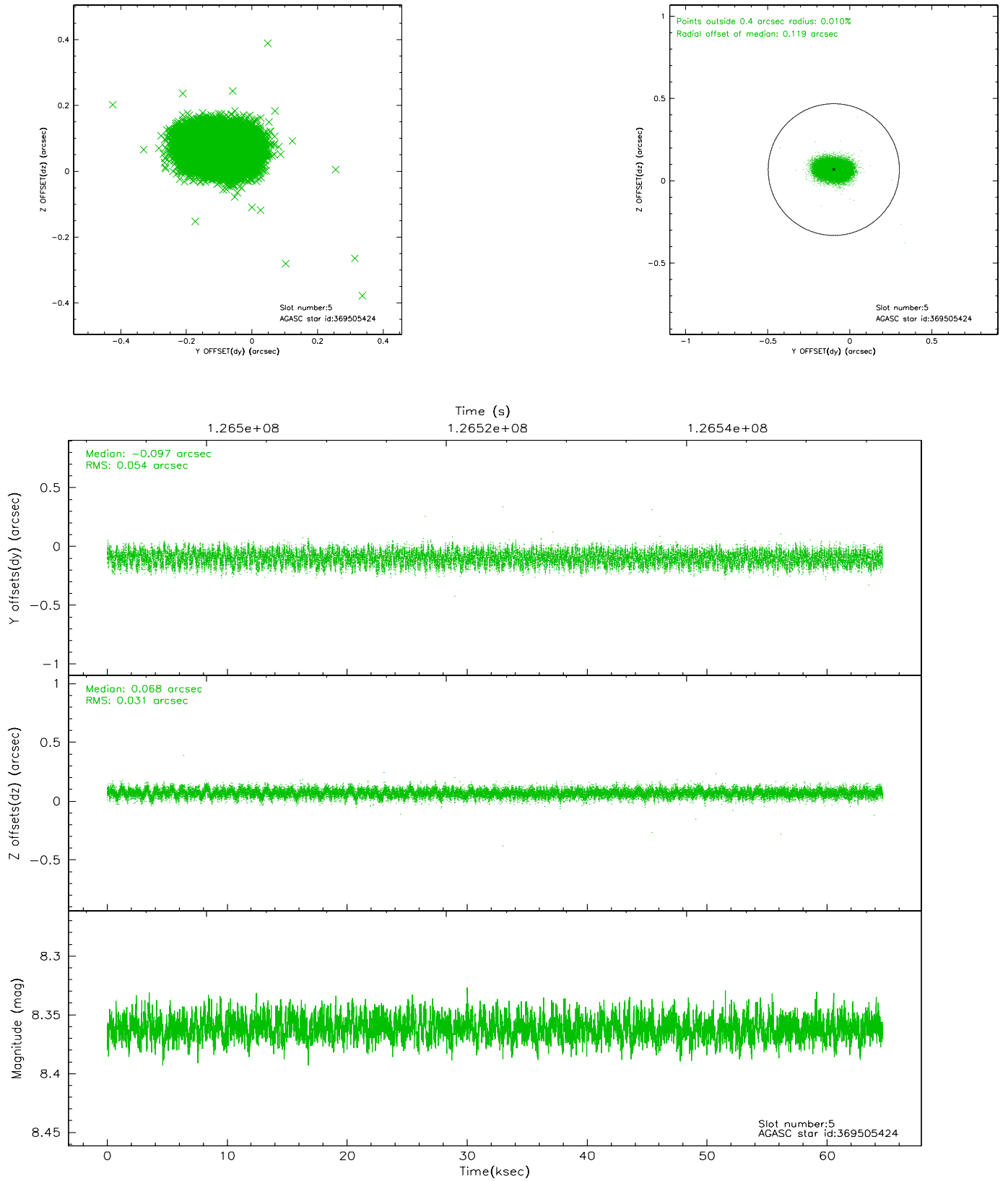
### 2.4.1 Slot 3



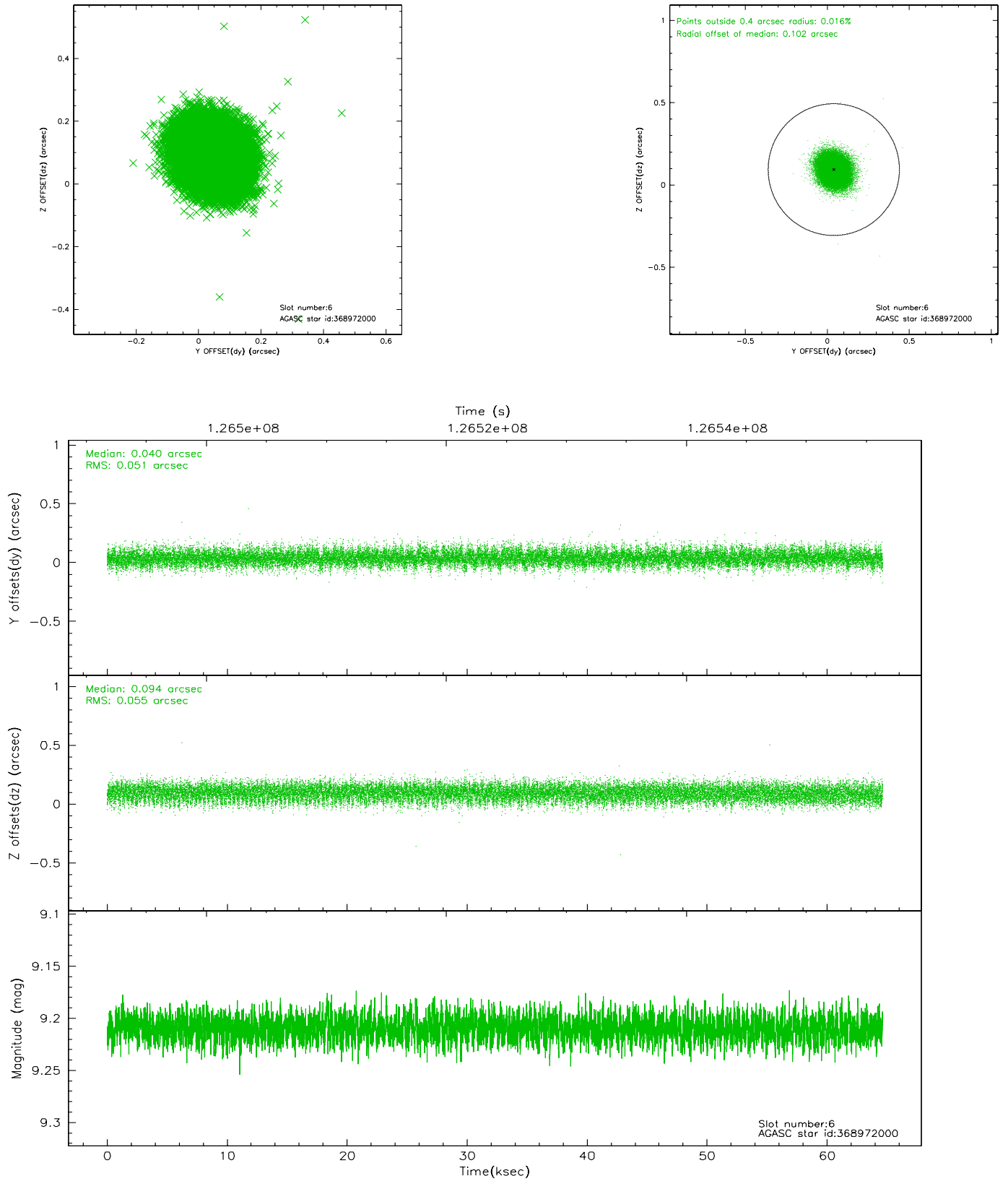
## 2.4.2 Slot 4



### 2.4.3 Slot 5

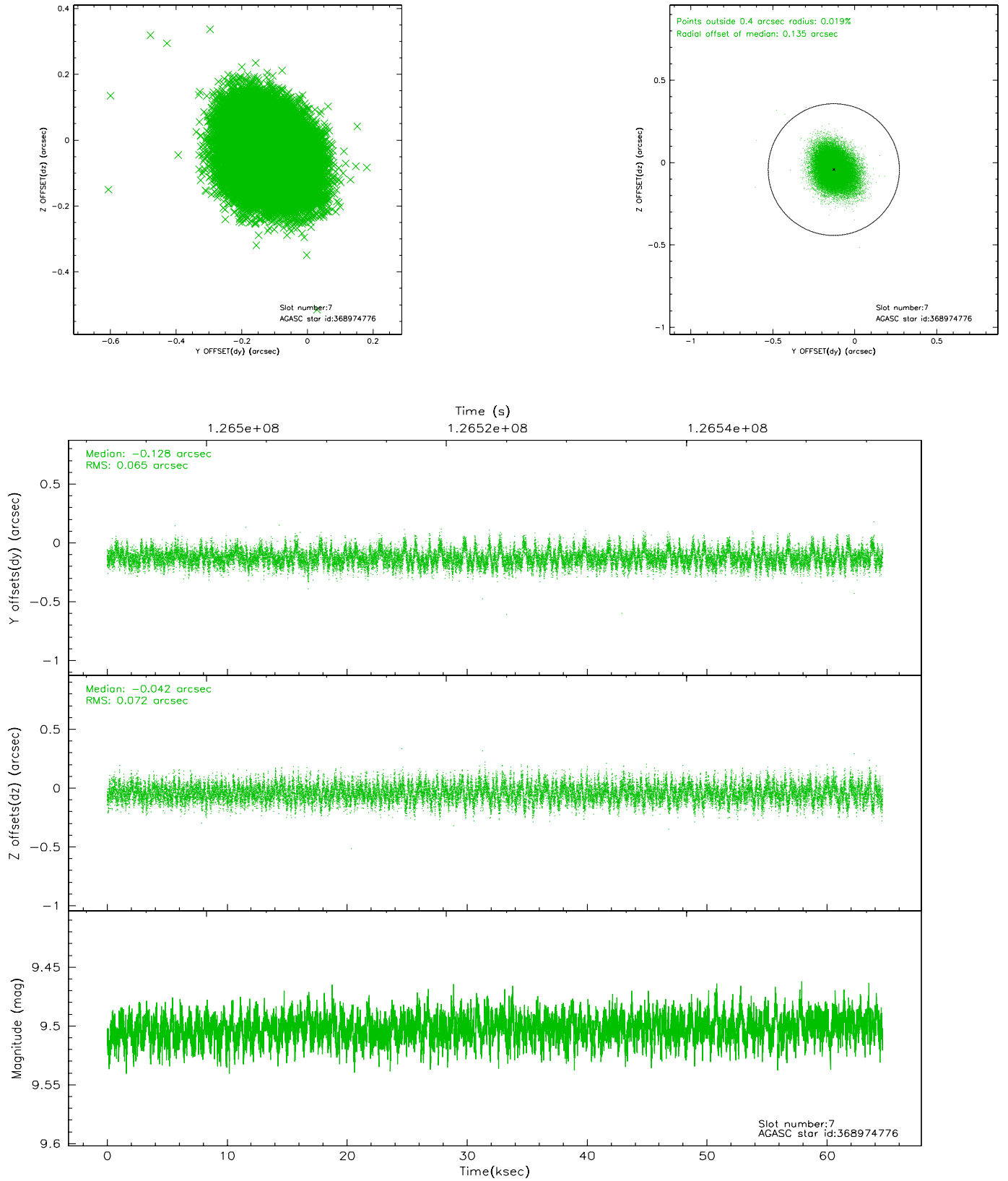


## 2.4.4 Slot 6



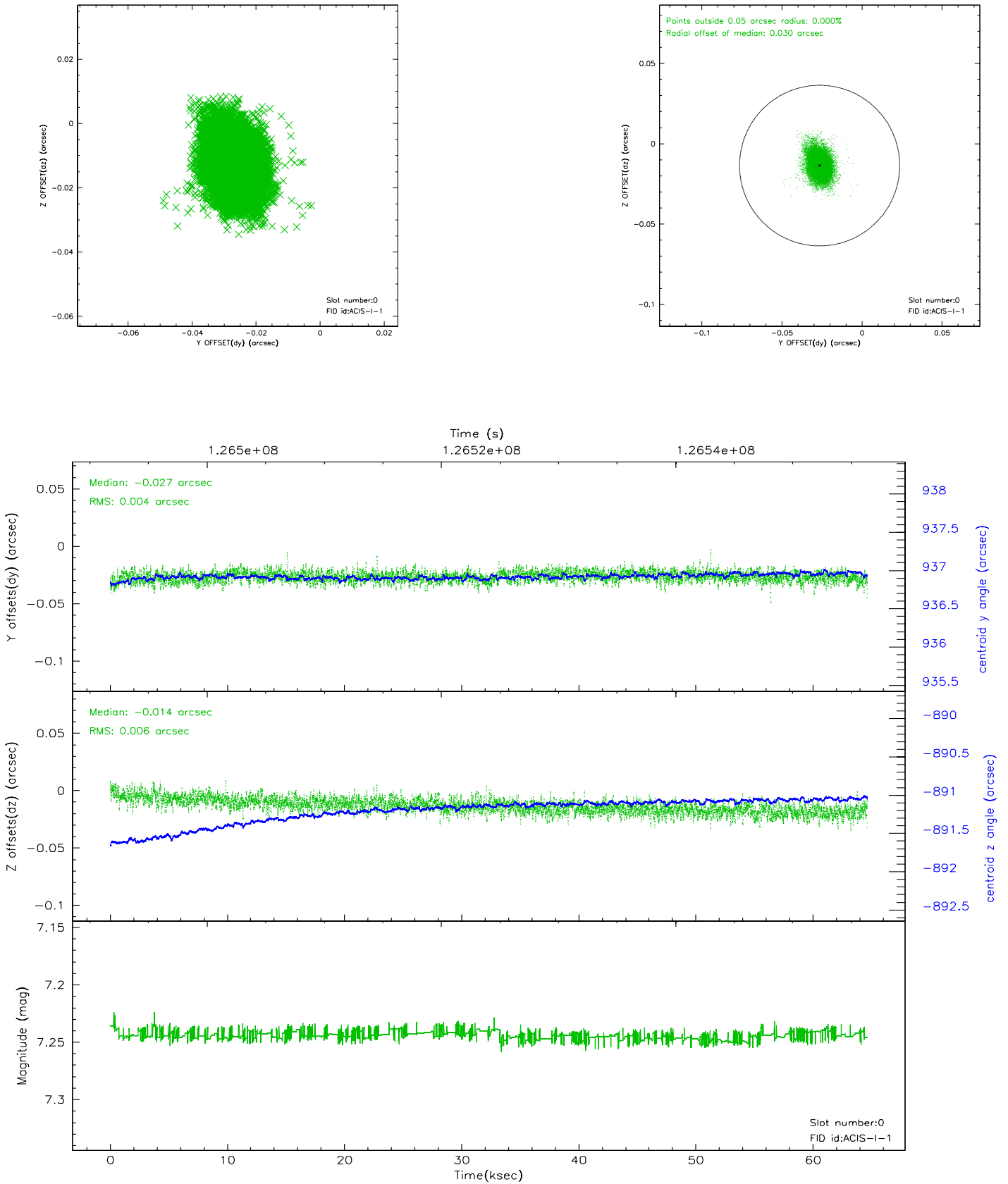


## 2.4.5 Slot 7

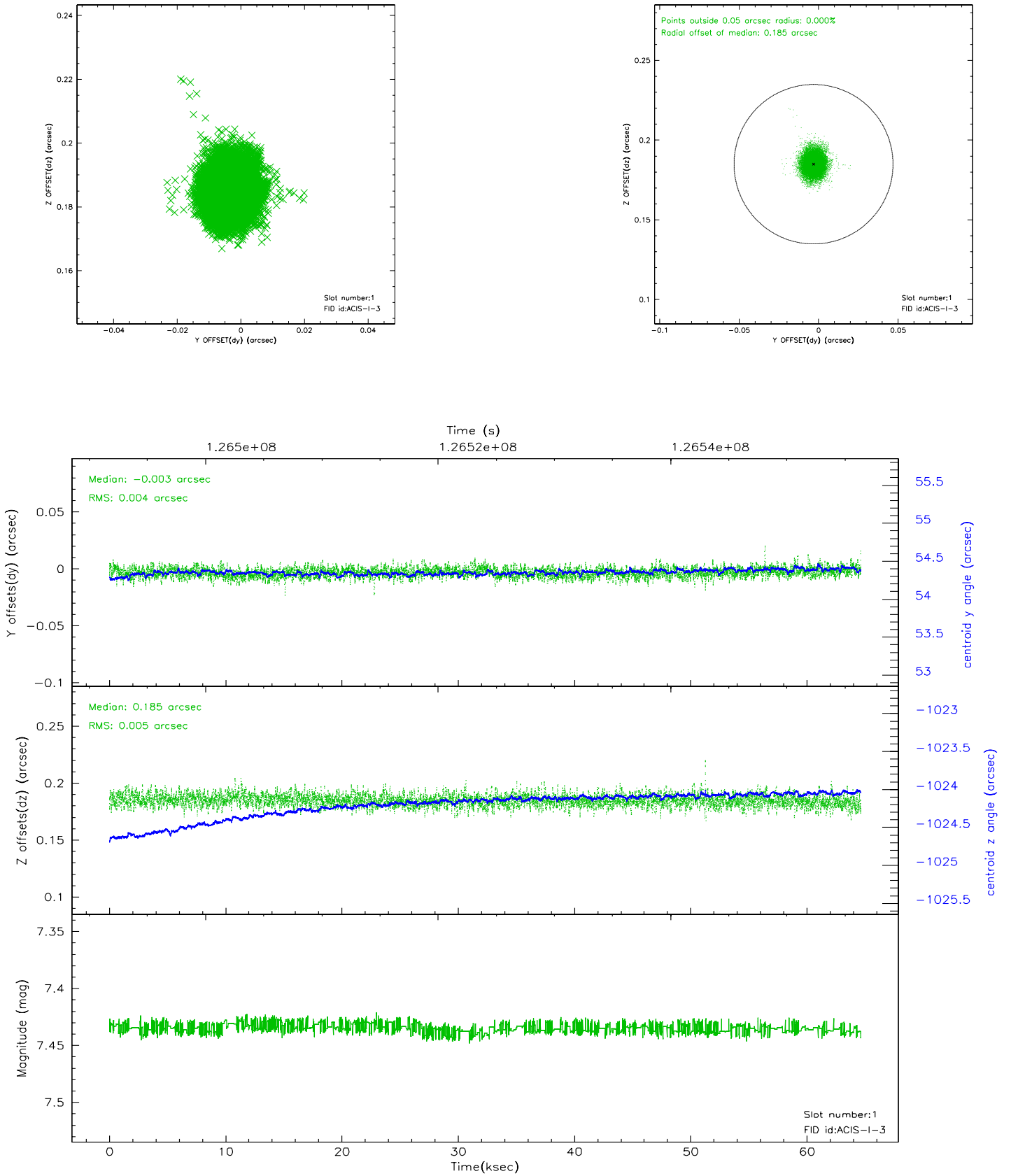


## 2.5 FID Slots

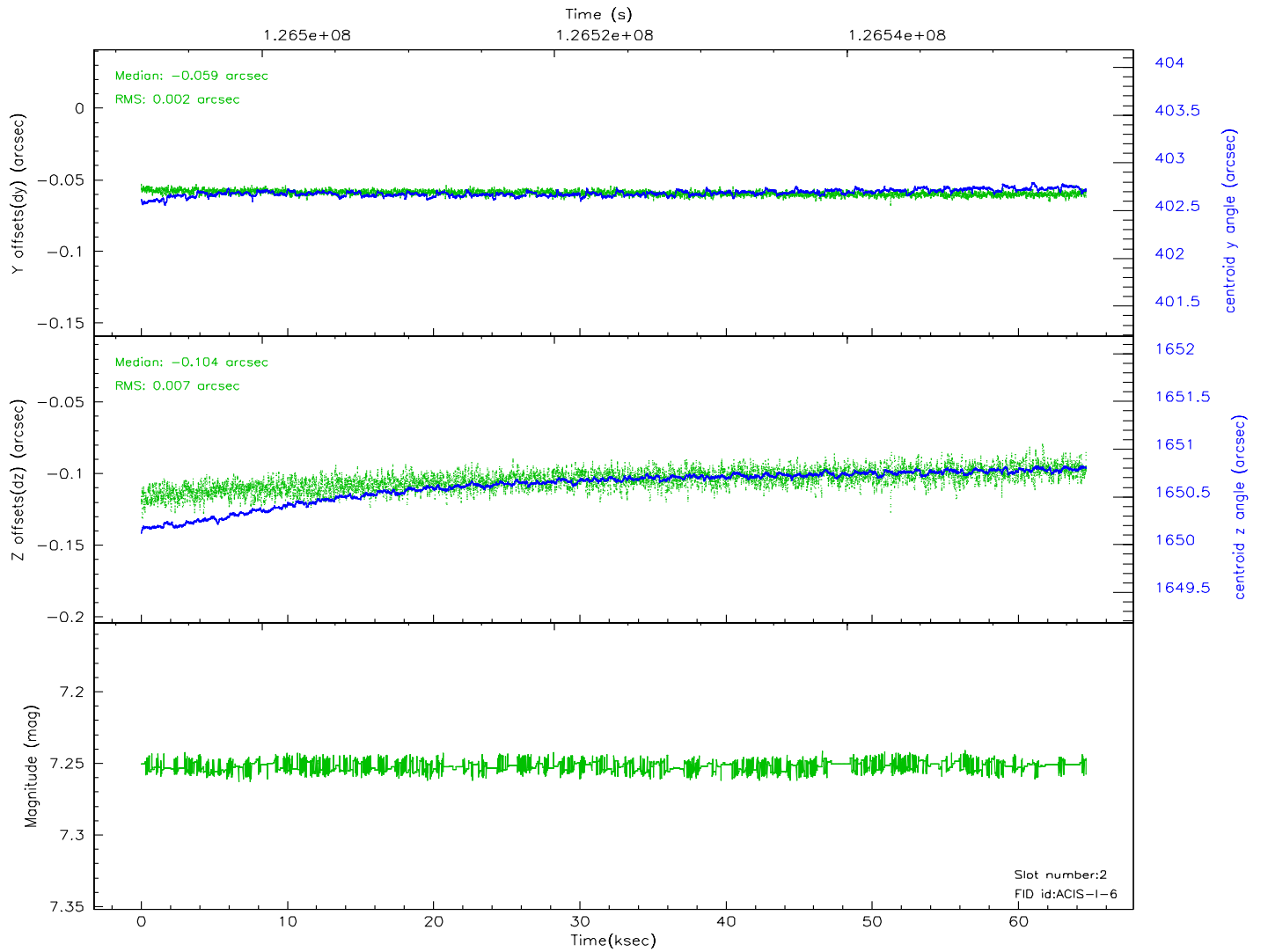
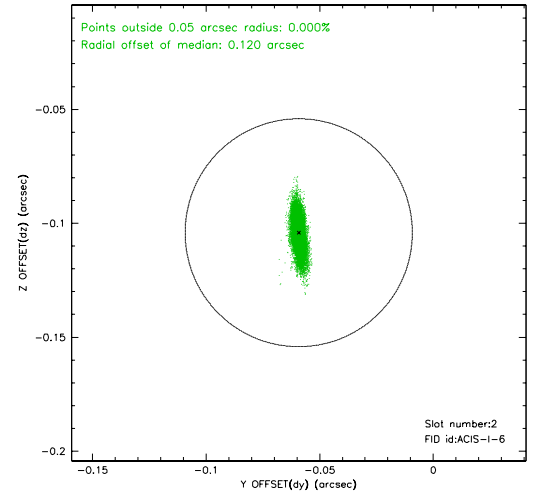
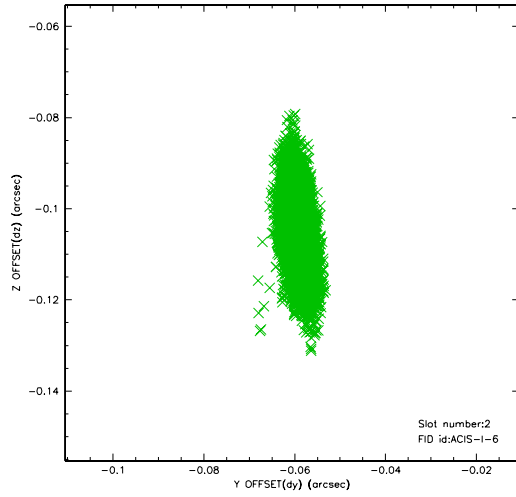
### 2.5.1 Slot 0



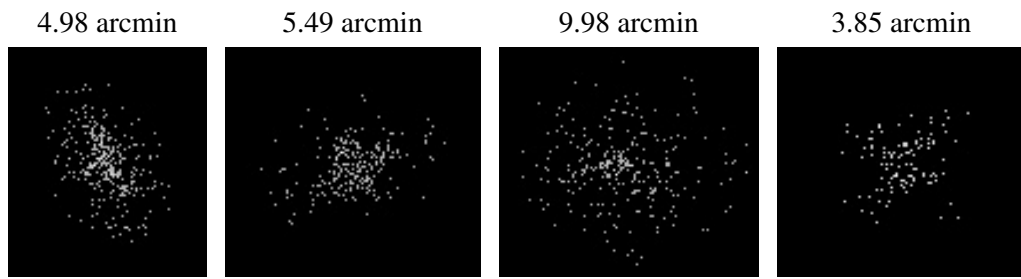
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.01.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	64.234

### A.2 Comments