

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5905 - L2 Version 002  
Chandra X-Ray Center

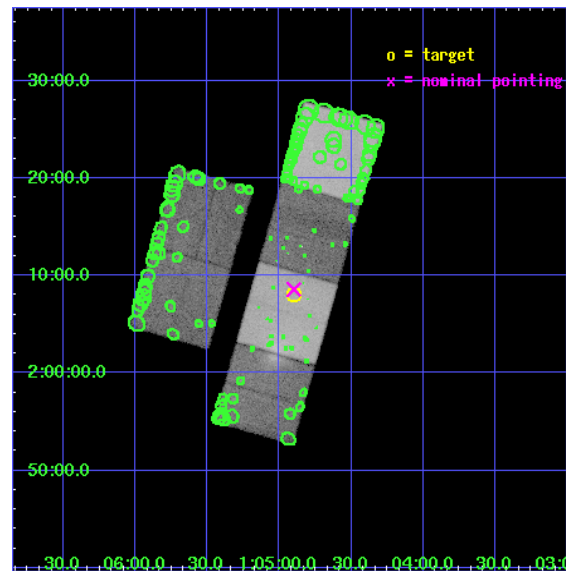
L2 Processing Date : Mar 23 2006

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# 1 Front

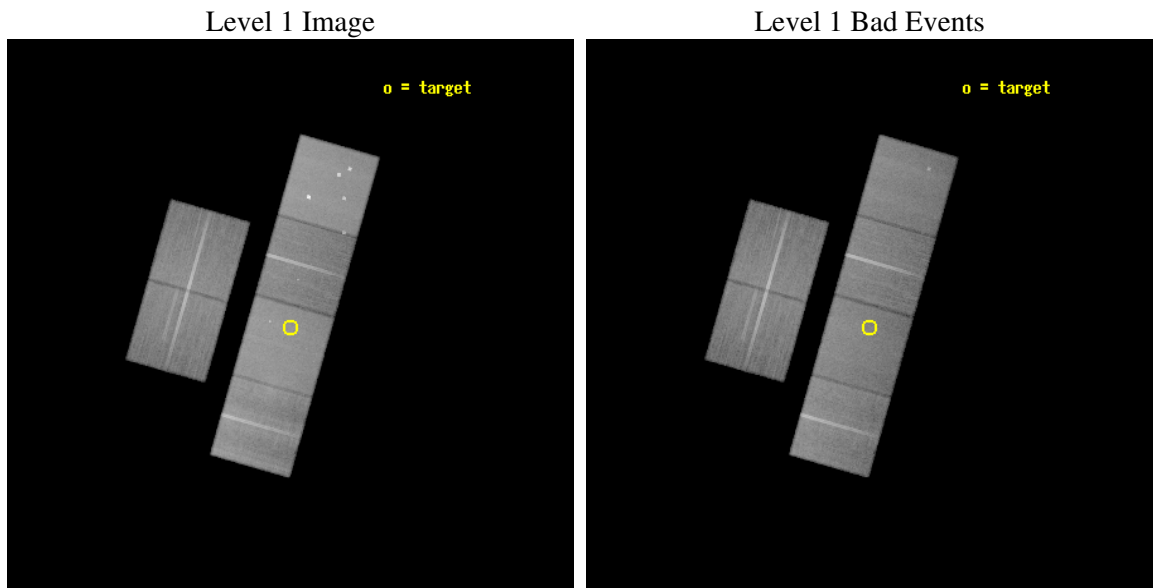
seq_num	600424
obs_id	5905
title	Observation of the Hot Gas in the Nearby Dwarf Galaxy IC 1613
observer	Dr. Eric Schlegel
object	IC 1613
dtcycle	0
cycle	P
ra_targ	16.225833
dec_targ	2.133333
ra_nom	16.224849427026
dec_nom	2.1429427923683
roll_nom	105.92356515974
revision	2
ontime	49955.199813902
livetime	49322.636994449
ontime2	49955.199813902
ontime3	49951.958813578
ontime5	49955.199813902
ontime6	49951.958803684
ontime7	49955.199813902
ontime8	49955.199813902
l2events	589105



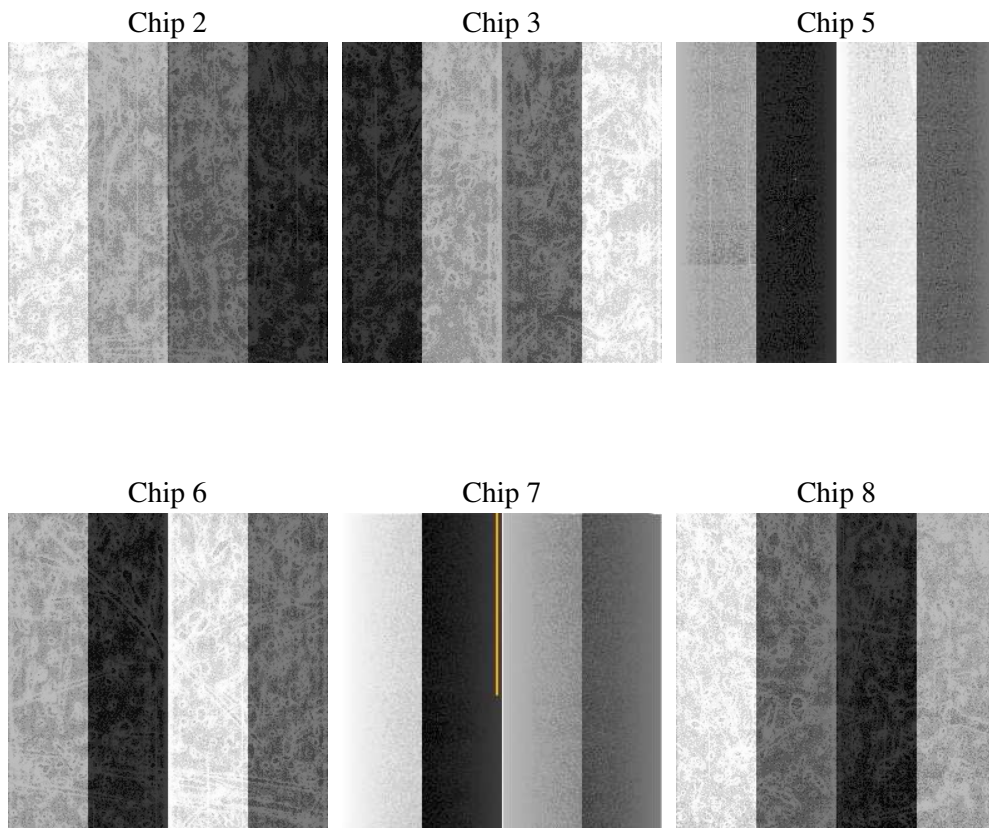
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-03-23T19:43:31
revision	2

sched_exp_time	50000.000000
ontime	49960.246314943
ontime2	49960.246305048
ontime3	49960.246324807
ontime5	49963.487325132
ontime6	49960.246314913
ontime7	49960.246314943
ontime8	49963.487325132
l1events	2645130

### 2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	375091	356181	563991	366024	511759	472084
rejected events	332269	313194	307543	320795	311540	363368
rejected %	88%	87%	54%	87%	60%	76%

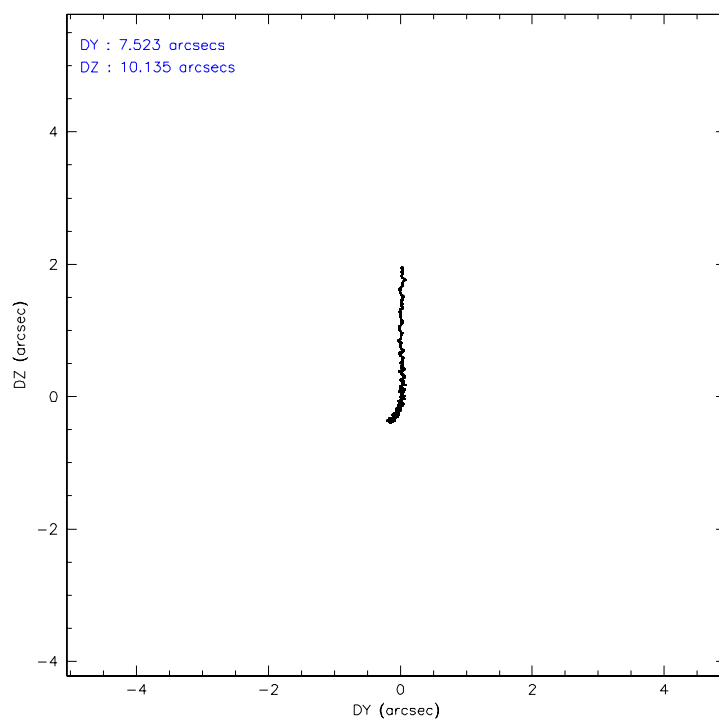
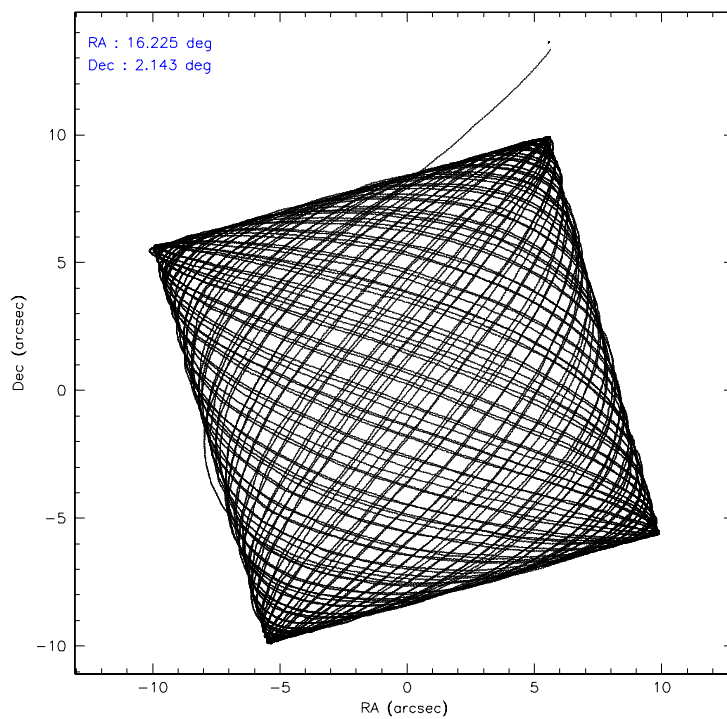
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	18731	18893	30240	18414	13124	38499
	4%	5%	5%	5%	2%	8%
grade 1 events	219	197	491	187	319	356
	0%	0%	0%	0%	0%	0%
grade 2 events	9071	8369	75793	9440	50637	23204
	2%	2%	13%	2%	9%	4%
grade 3 events	3959	4068	5593	4348	10071	10925
	1%	1%	0%	1%	1%	2%
grade 4 events	3948	4115	4814	4172	9853	10097
	1%	1%	0%	1%	1%	2%
grade 5 events	14334	16426	26533	16932	31851	22340
	3%	4%	4%	4%	6%	4%
grade 6 events	7116	7547	140050	8862	116544	25996
	1%	2%	24%	2%	22%	5%
grade 7 events	317713	296566	280477	303669	279360	340667
	84%	83%	49%	82%	54%	72%

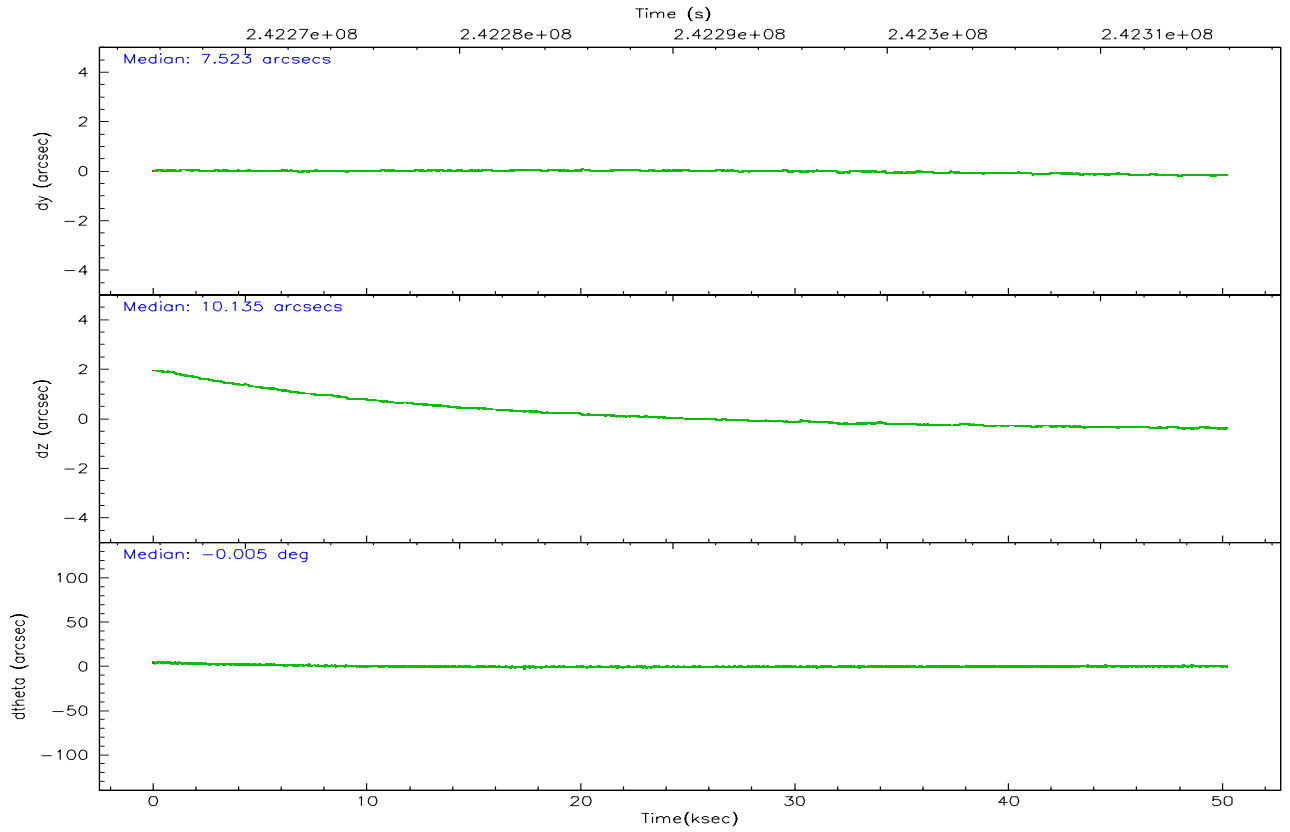
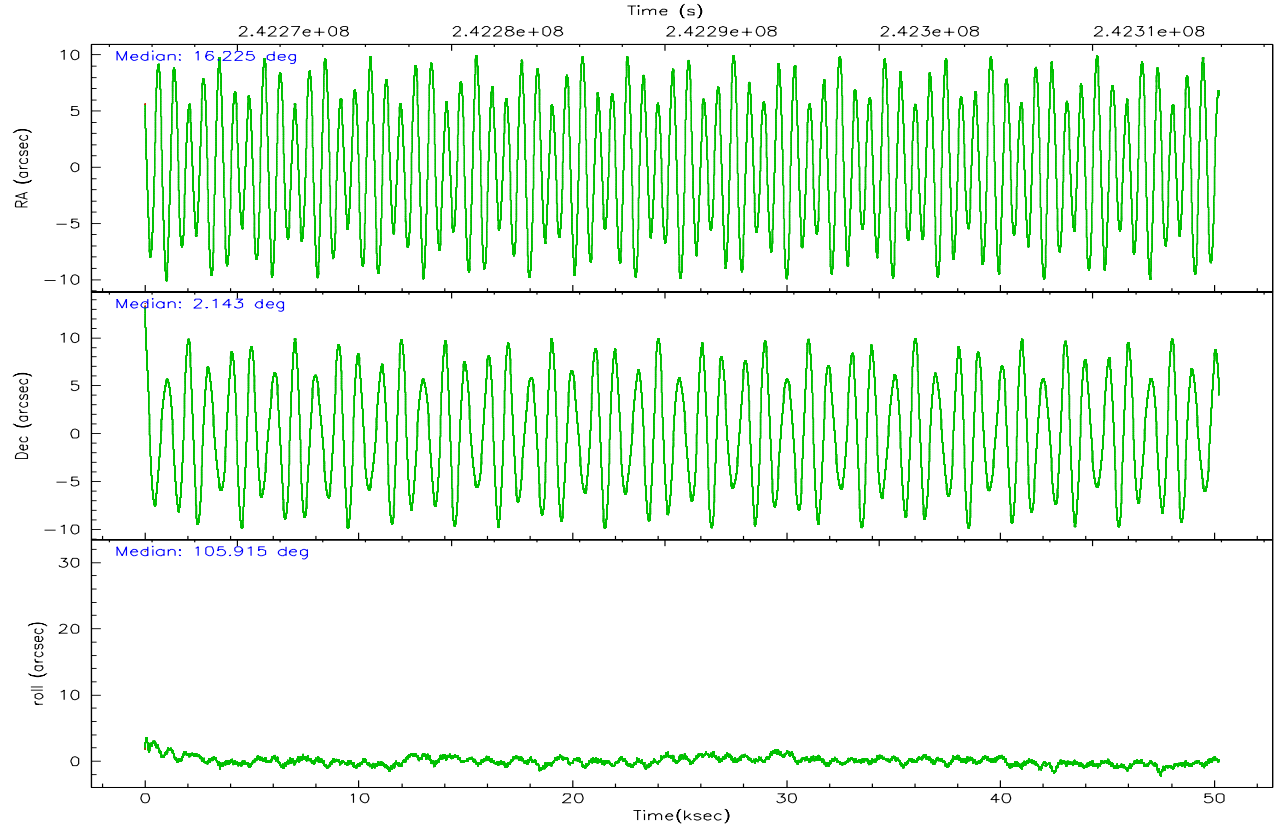


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	16.244682	16.22484942702624	Alternating exposures requested	N	N
Pointing Dec	2.124273	2.142942792368318	Primary exposure time	0.000000	3.2
Pointing Roll	105.766202	105.9235651597432			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	242265907.184000	242264921.82071			
Observation start date	2005-09-05T00:04:03	2005-09-04T23:48:41			
Observation end time	242315907.184000	242316886.76059			
Observation end date	2005-09-05T13:57:23	2005-09-05T14:14:46			
Read mode	TIMED	TIMED			

## 2.3 Aspect



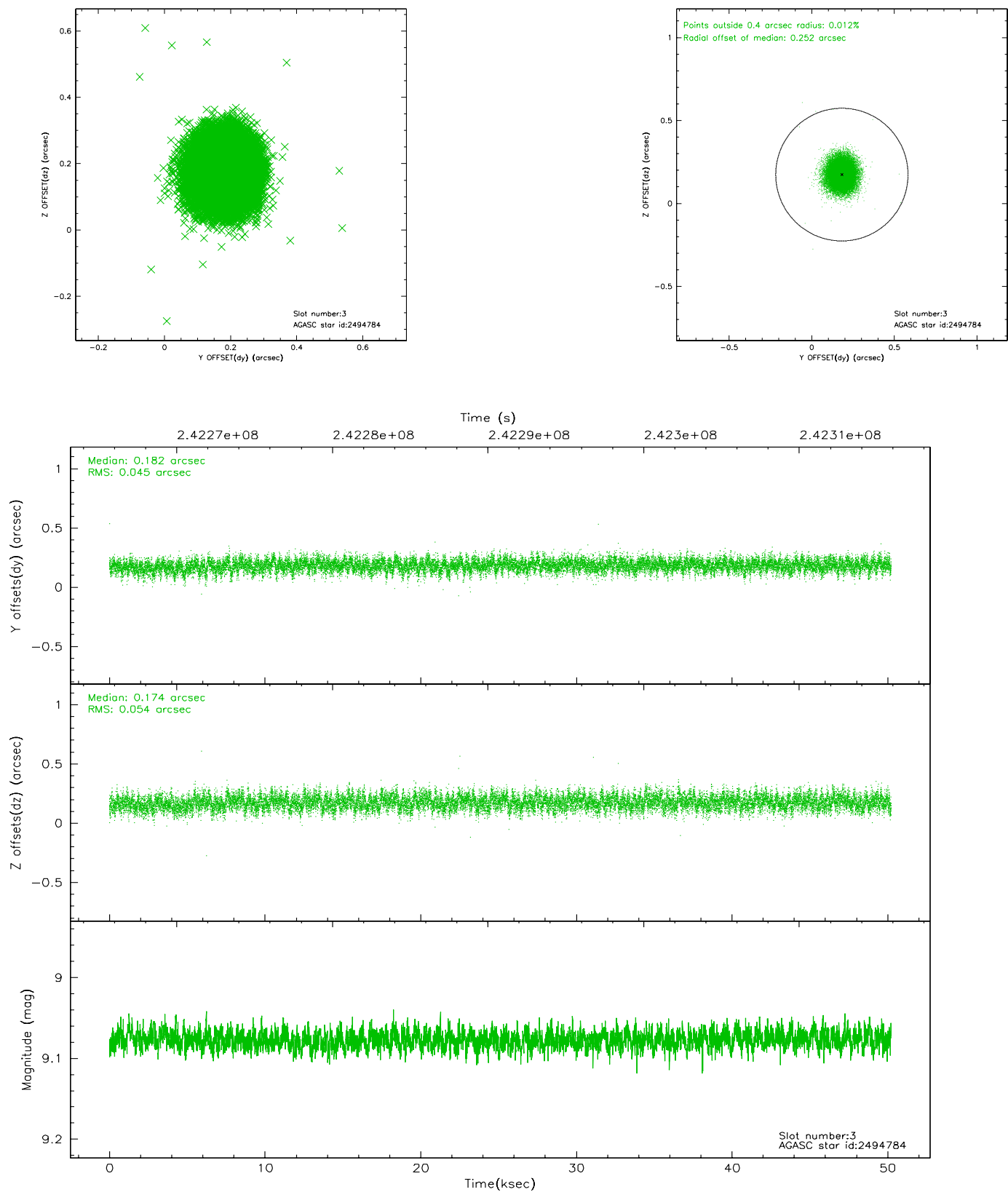


### Slot Statistics

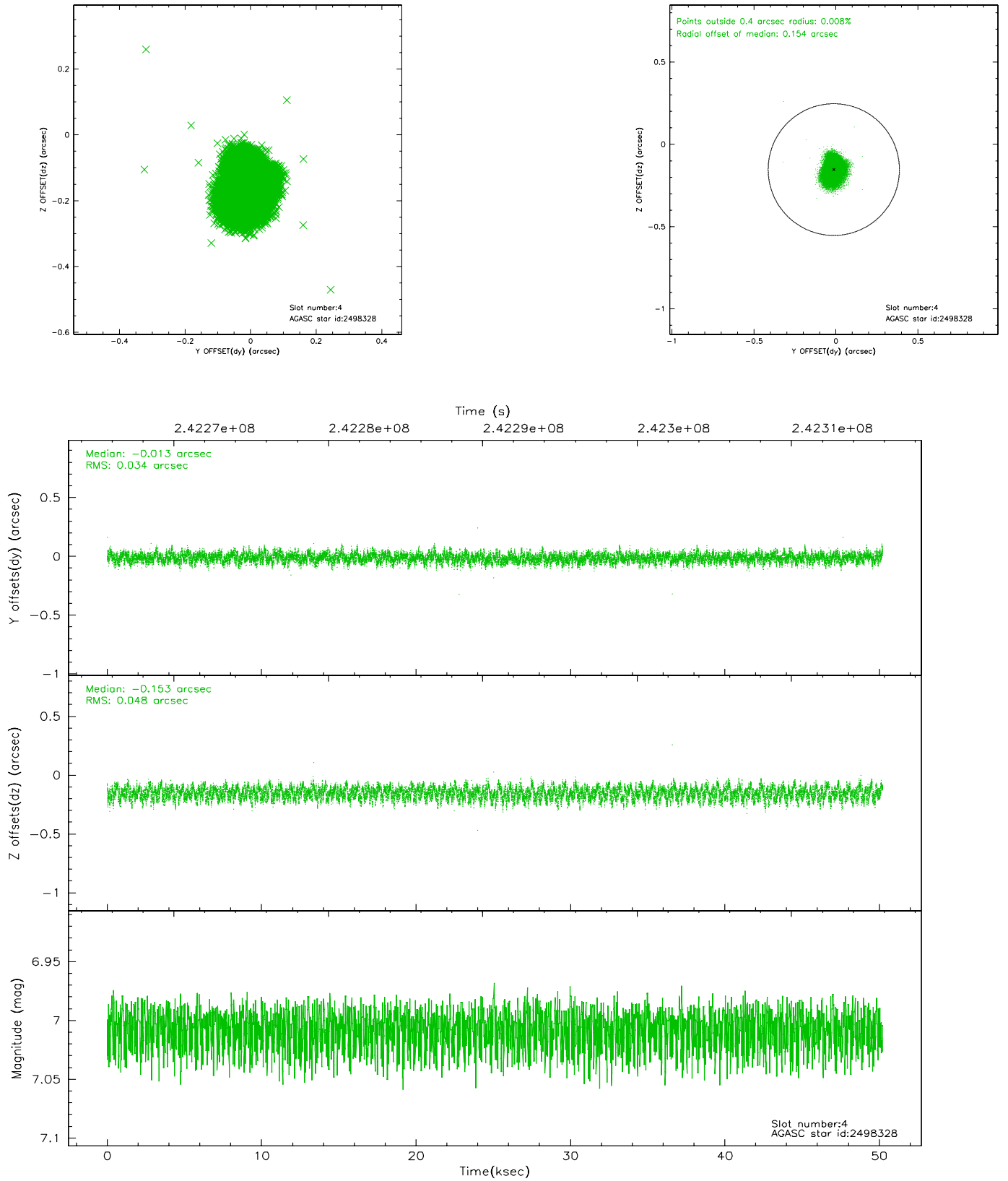
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	12252	-0.031	-0.000	0.011	0.020	0.000000	0.000000	-760.26	-1731.60
1	FID	ACIS-S-4	7.21	12250	0.053	0.015	0.006	0.013	0.000000	0.000000	2153.07	176.98
2	FID	ACIS-S-5	7.24	12250	-0.053	-0.006	0.010	0.019	0.000000	0.000000	-1813.19	170.52
3	GUIDE	2494784	9.08	24489	0.182	0.174	0.075	0.122	16.552098	1.950471	-902.40	-894.88
4	GUIDE	2498328	7.01	24500	-0.013	-0.153	0.063	0.099	16.181702	2.313711	717.79	32.63
5	GUIDE	2883864	7.78	24502	-0.050	-0.047	0.052	0.086	15.498685	2.525964	2121.22	2188.65
6	GUIDE	2884168	8.75	24494	-0.098	0.239	0.075	0.119	16.533030	2.632517	1479.63	-1494.65
7	GUIDE	2492120	8.80	24491	-0.014	-0.212	0.088	0.139	15.548721	2.147144	759.89	2386.78

## 2.4 Star Slots

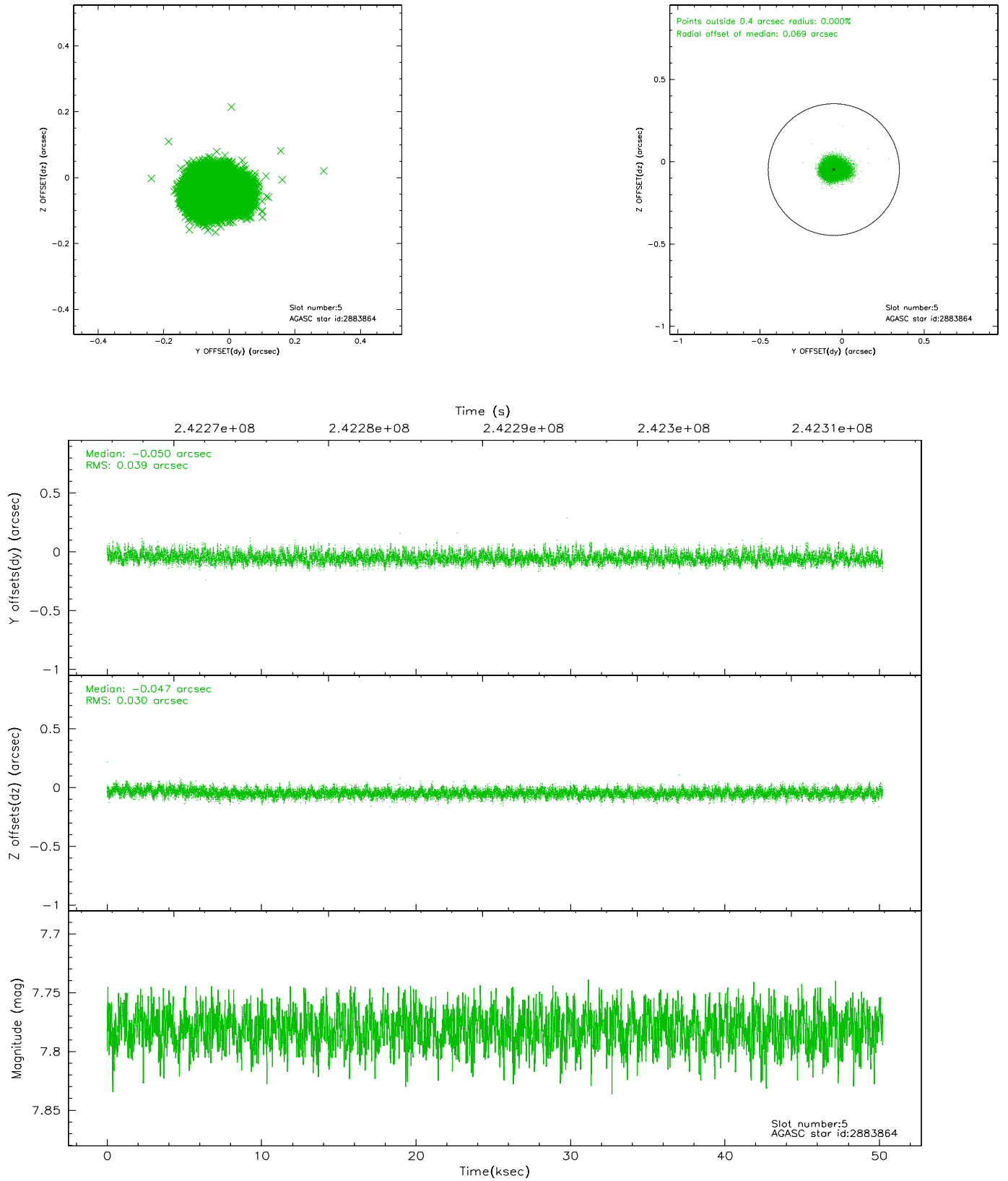
### 2.4.1 Slot 3



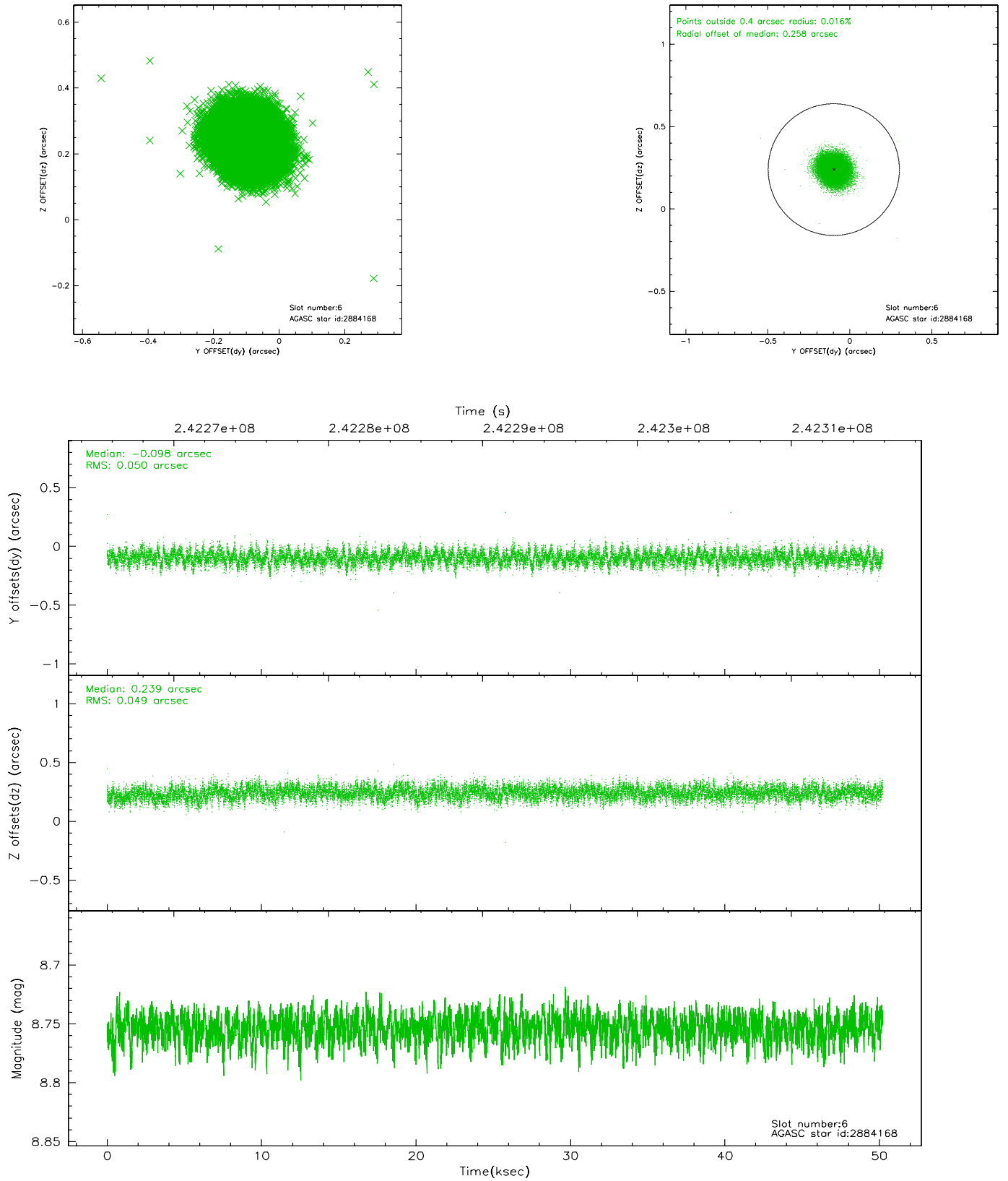
## 2.4.2 Slot 4



### 2.4.3 Slot 5

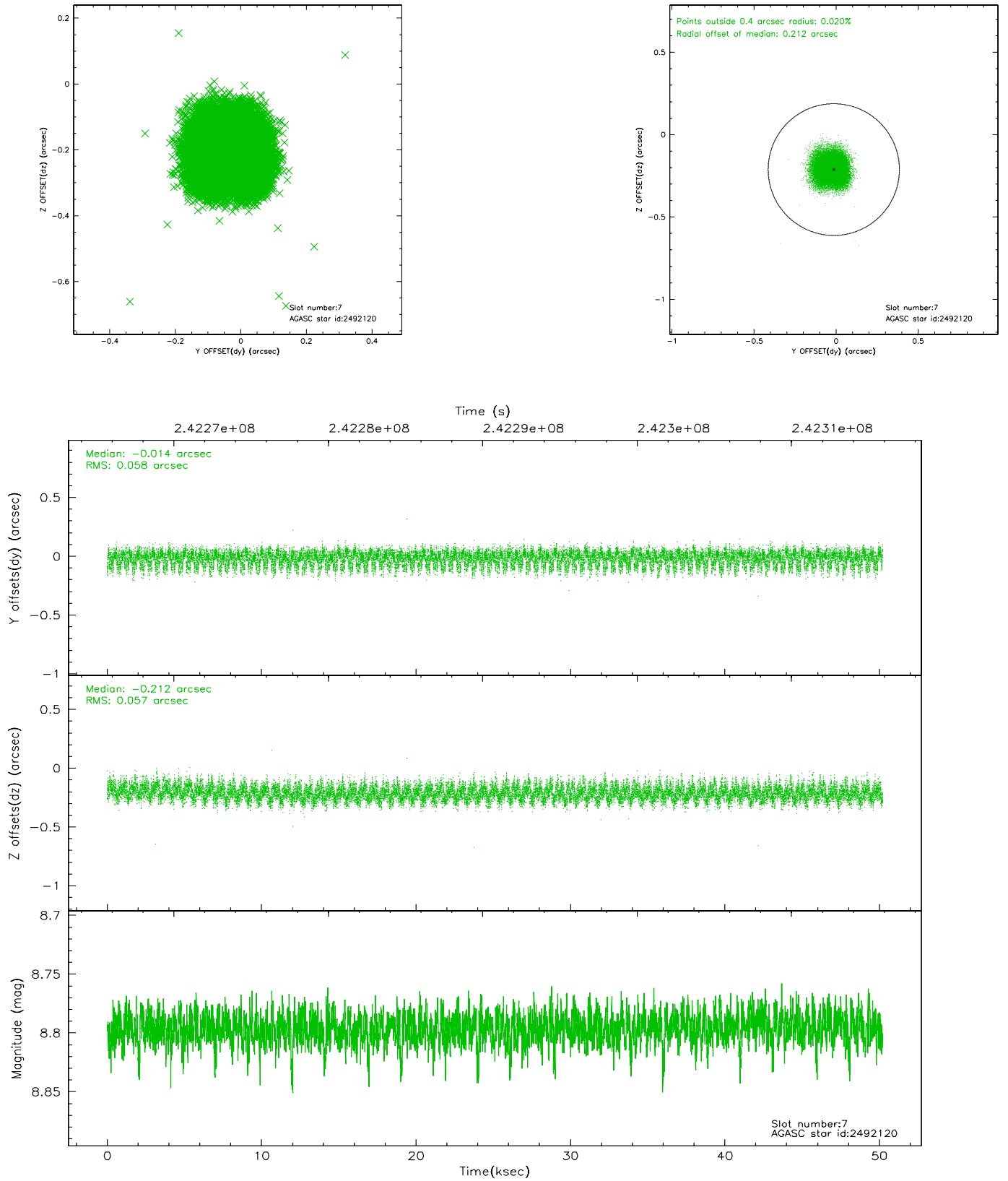


## 2.4.4 Slot 6



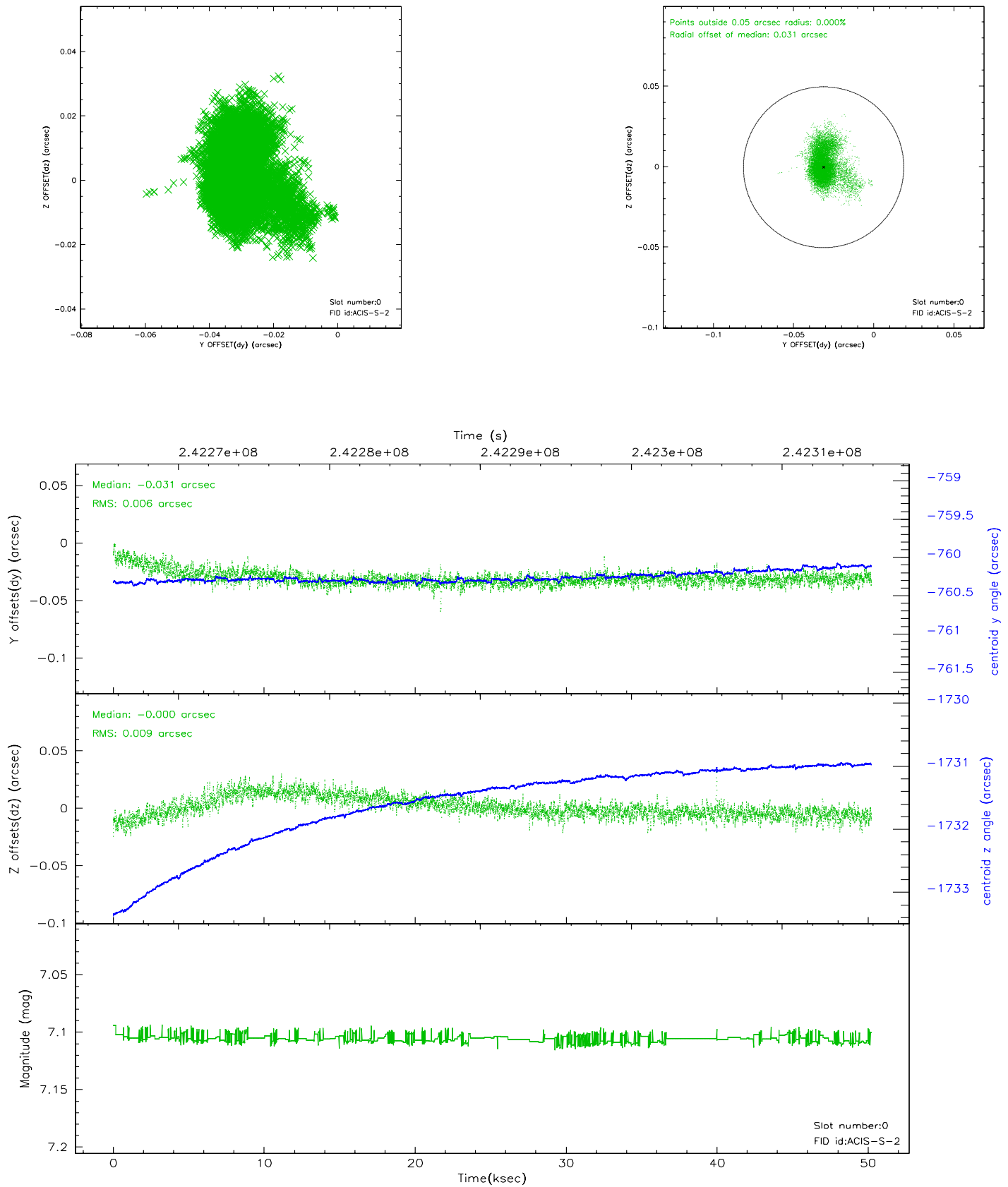


## 2.4.5 Slot 7

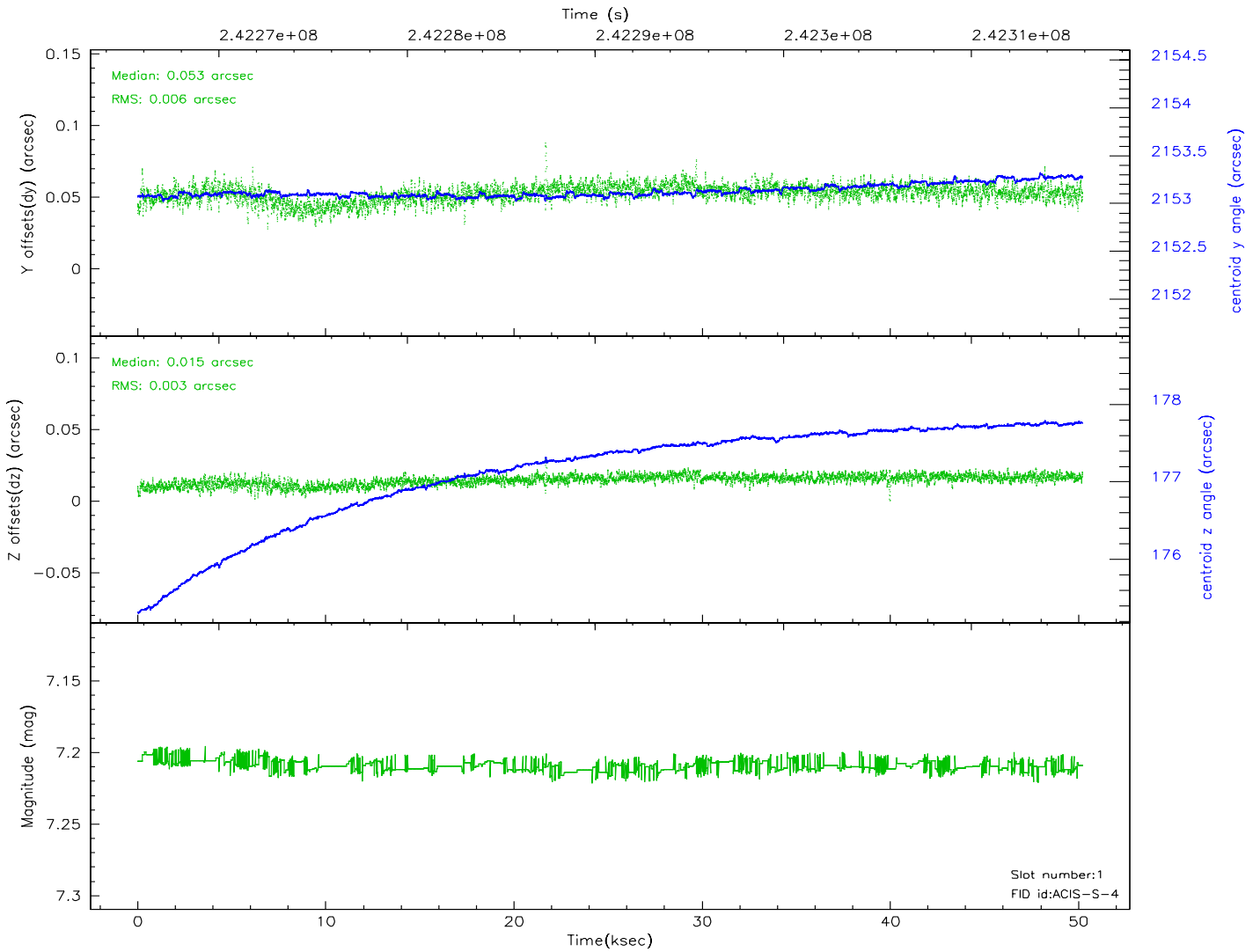
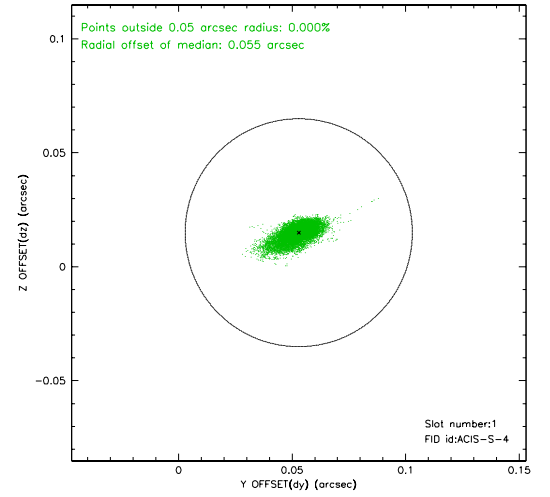
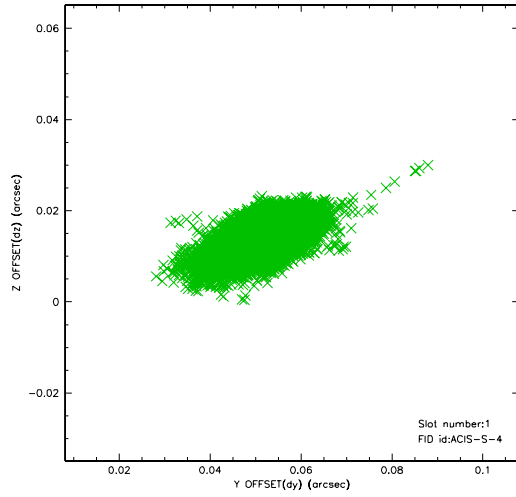


## 2.5 FID Slots

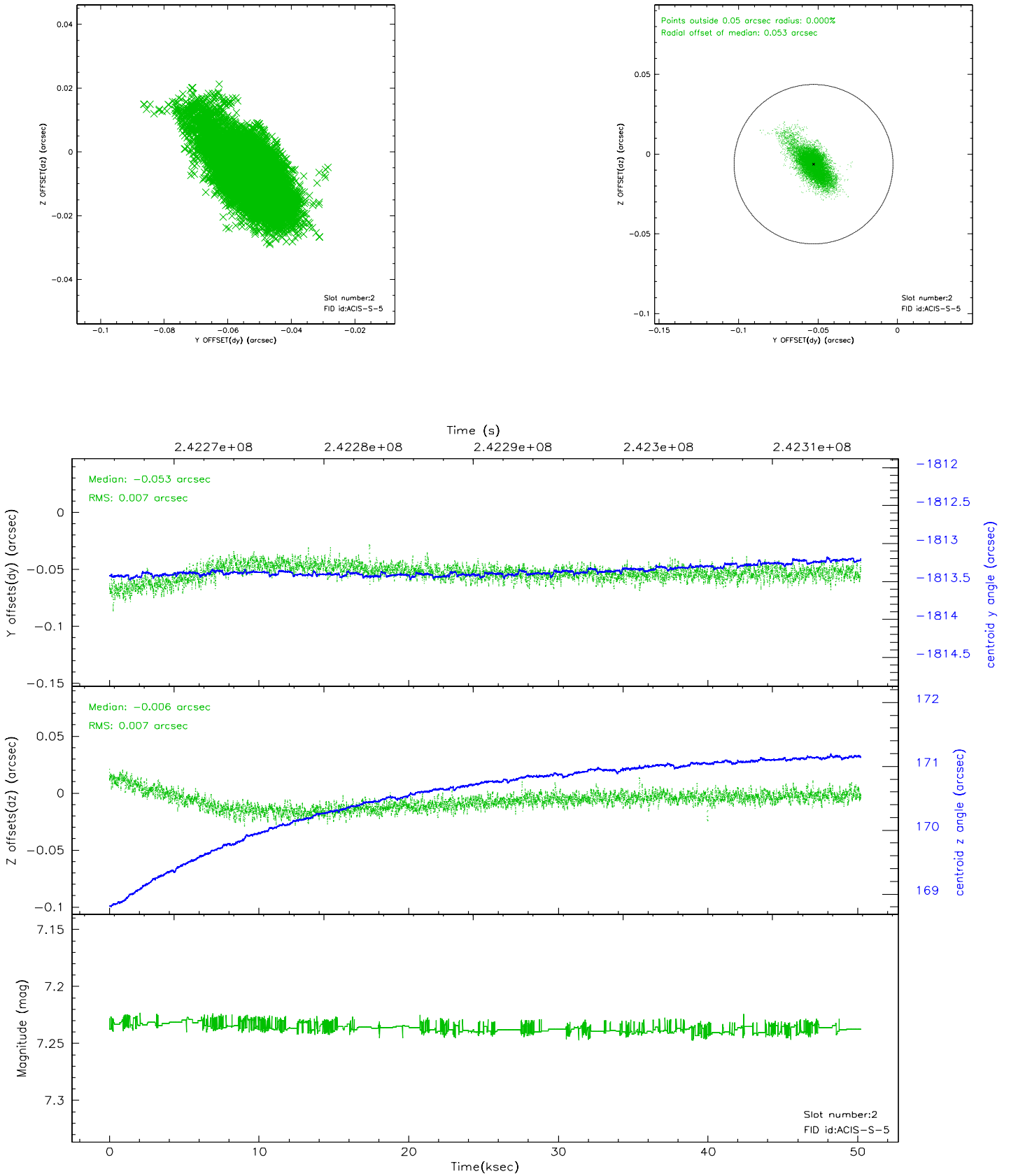
### 2.5.1 Slot 0



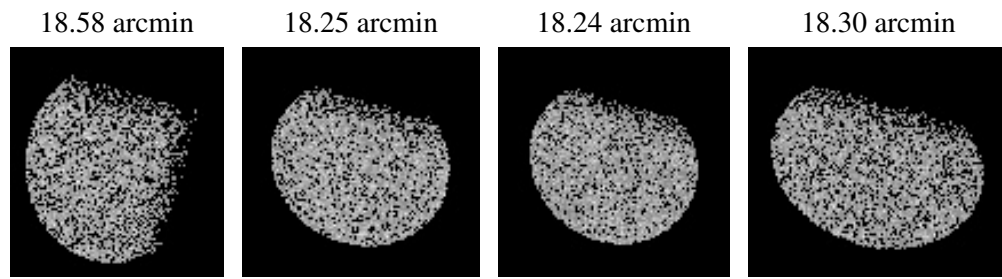
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.03.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.95519

### A.2 Comments