

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 3579 - L2 Version 001  
Chandra X-Ray Center

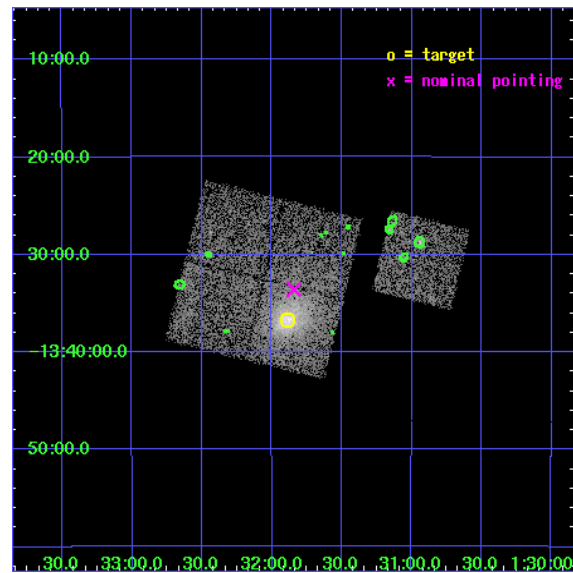
L2 Processing Date : Jul 12 2006

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# 1 Front

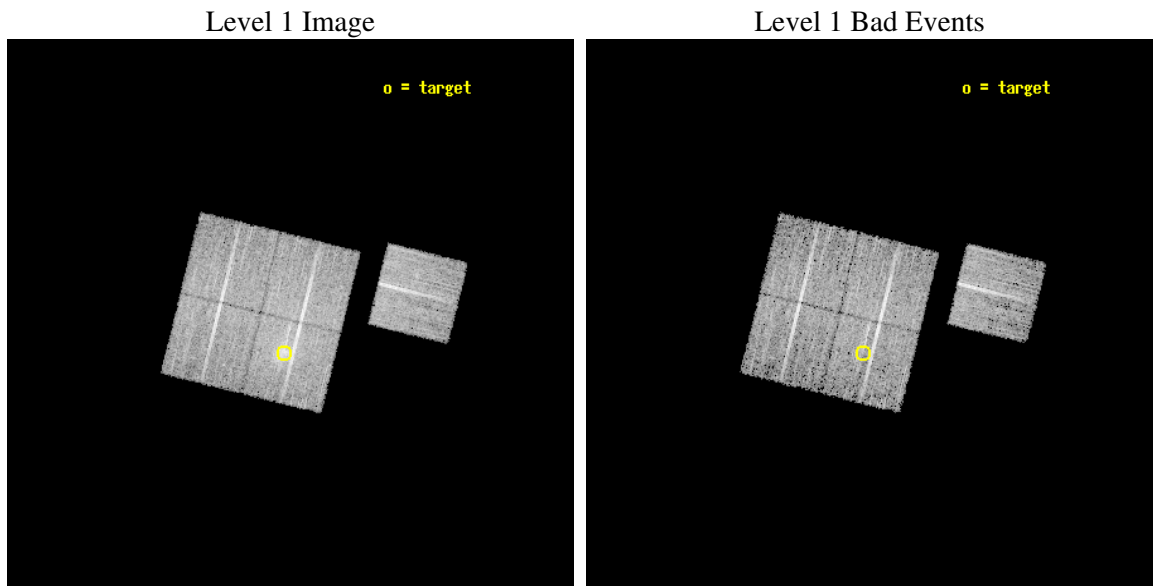
seq_num	800300
obs_id	3579
title	X-RAY/SZ DETERMINATION OF COSMOLOGICAL PARAMETERS
observer	DR. LEON VANSPEYBROECK
object	A209
dtcycle	0
cycle	P
ra_targ	22.972083
dec_targ	-13.613
ra_nom	22.960657181039
dec_nom	-13.559867839978
roll_nom	103.85708542551
revision	2
ontime	10118.399980545
livetime	9986.1956357415
ontime0	10118.399980545
ontime1	10118.399980545
ontime2	10115.259030223
ontime3	10118.399980545
ontime6	10118.399980545
l2events	32342



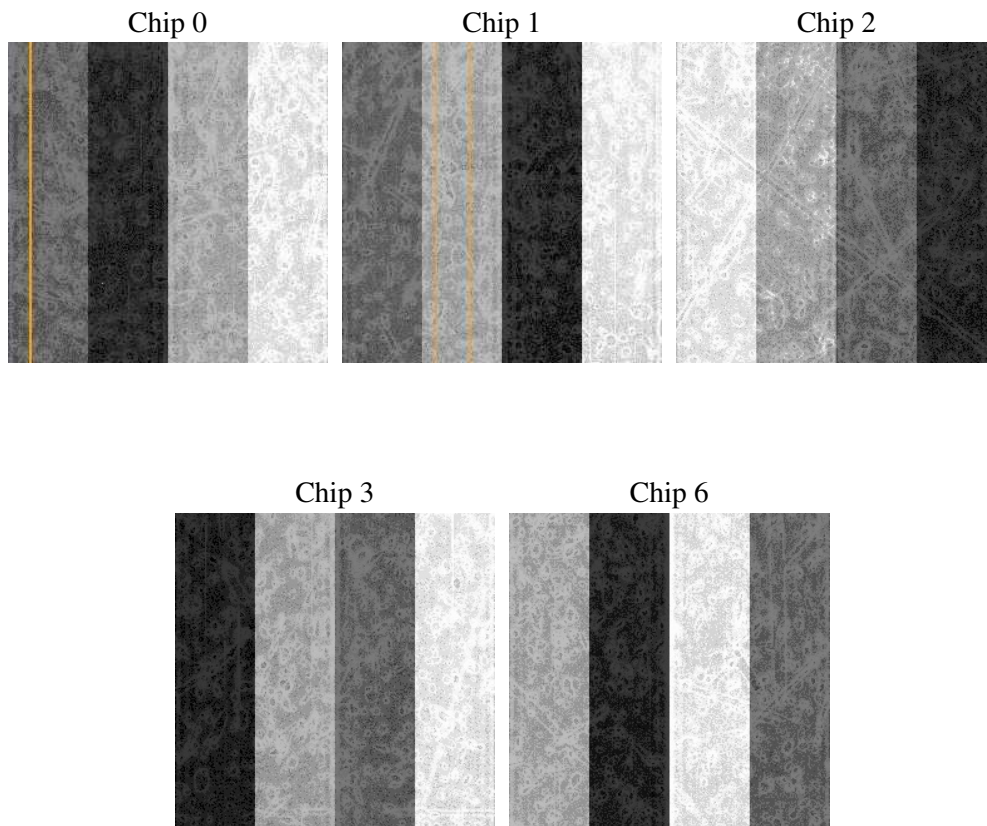
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-12T20:11:51
revision	2

sched_exp_time	10000.000000
ontime	10123.453162223
ontime0	10126.594182283
ontime1	10126.594182283
ontime2	10120.312191963
ontime3	10123.453162223
ontime6	10126.594182283
l1events	260688

### 2.1.4 Events

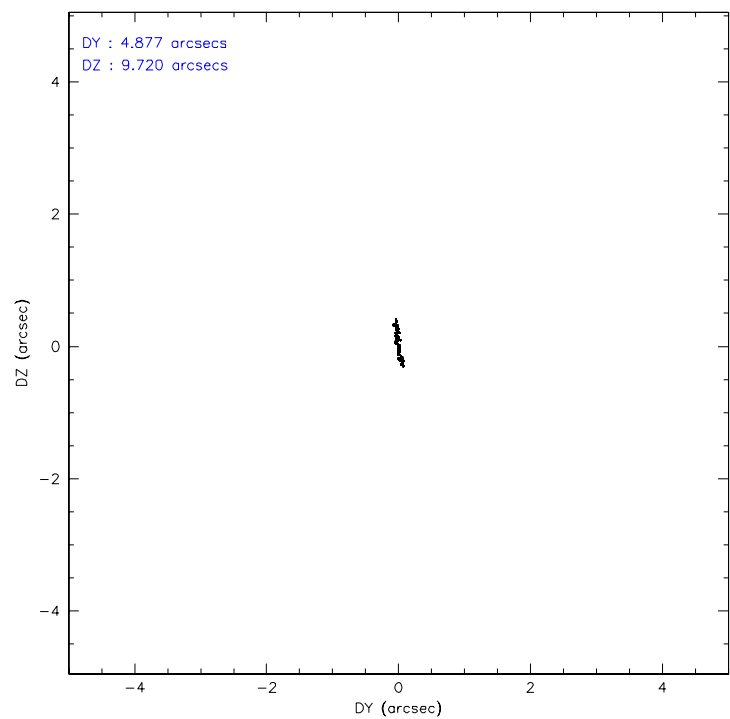
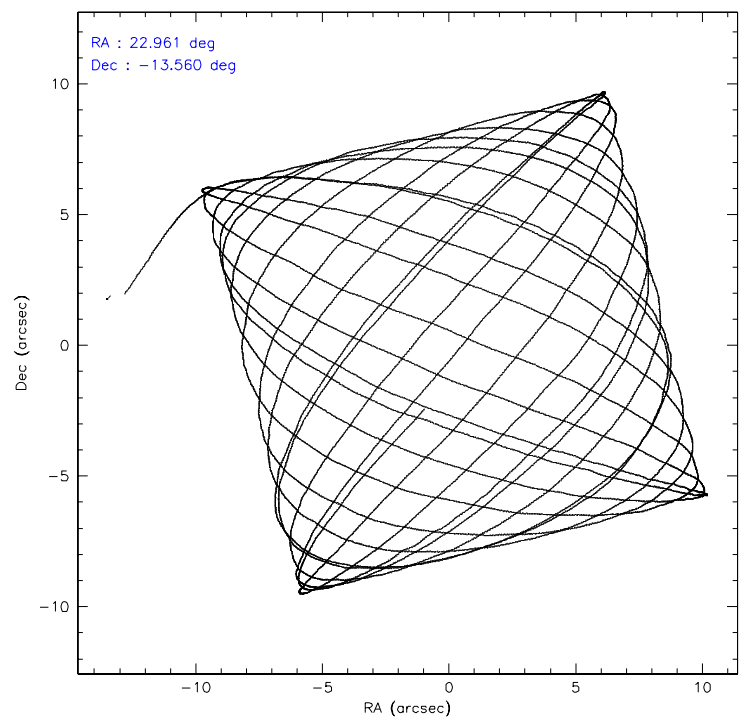
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	47996	46822	54380	59290	52200
rejected events	42776	40656	48370	45032	46614
rejected %	89%	86%	88%	75%	89%

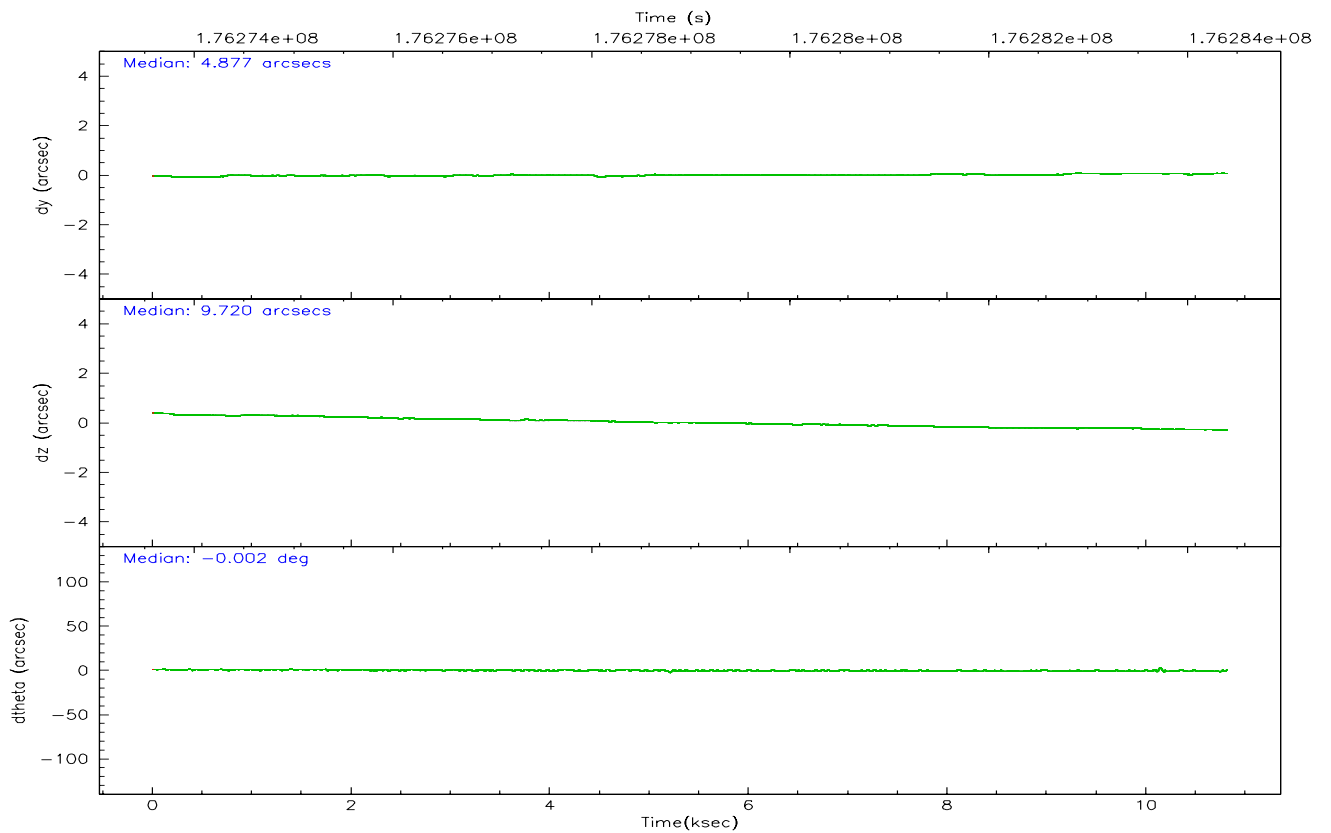
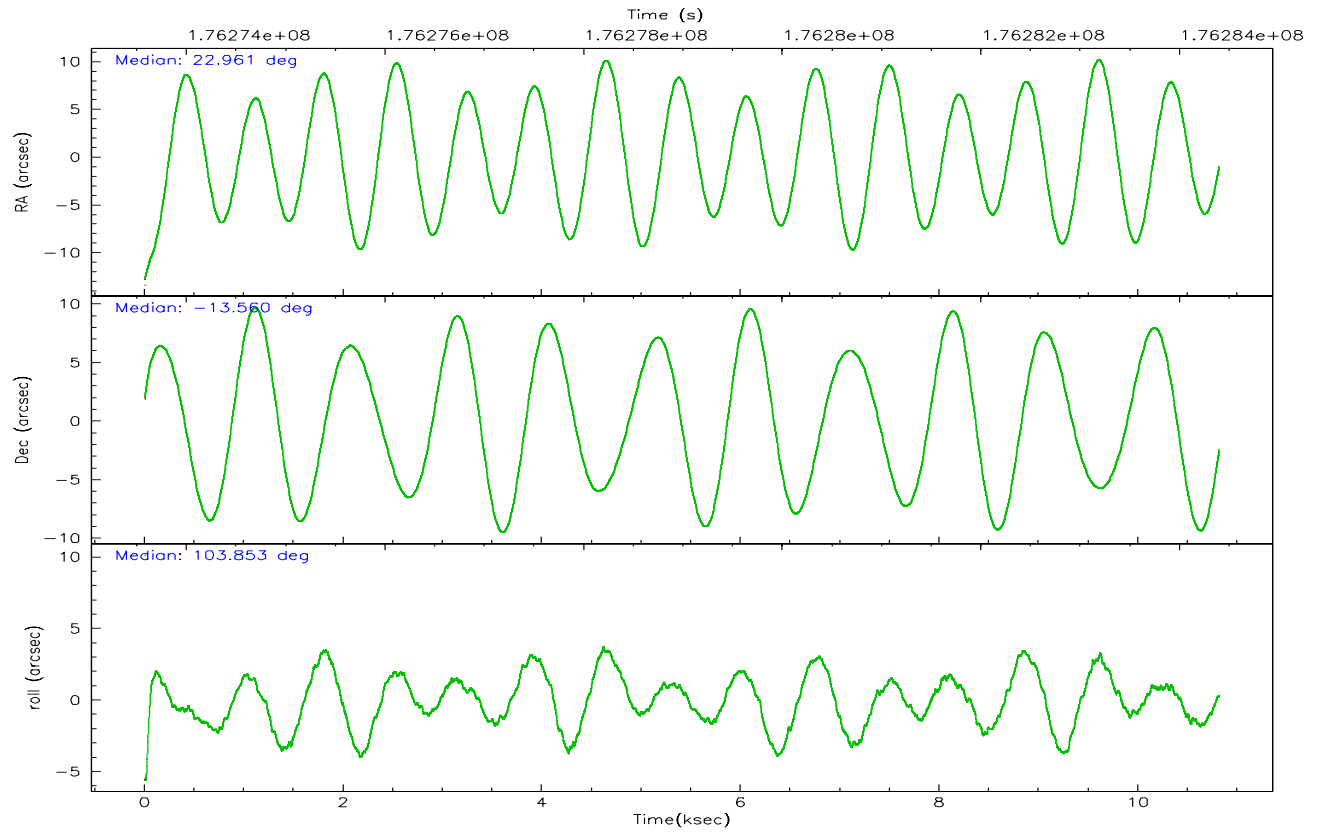
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1885	2344	2582	9353	2023
	3%	5%	4%	15%	3%
grade 1 events	23	16	26	75	17
	0%	0%	0%	0%	0%
grade 2 events	1166	1253	1274	1999	1198
	2%	2%	2%	3%	2%
grade 3 events	585	718	585	859	617
	1%	1%	1%	1%	1%
grade 4 events	596	664	601	853	624
	1%	1%	1%	1%	1%
grade 5 events	1778	1982	1714	2101	1999
	3%	4%	3%	3%	3%
grade 6 events	994	1192	973	1196	1128
	2%	2%	1%	2%	2%
grade 7 events	40969	38653	46625	42854	44594
	85%	82%	85%	72%	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	22.980302	22.96065718103856	Alternating exposures requested	N	N
Pointing Dec	-13.579507	-13.55986783997758	Primary exposure time	0.000000	3.1
Pointing Roll	103.653016	103.8570854255116			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-225.840463	-225.8458576473255			
SIM translation stage offset (mm)	-7.752	-7.746595355604228			
Observation start time	176274405.184000	176273130.06159			
Observation start date	2003-08-03T05:05:41	2003-08-03T04:45:30			
Observation end time	176284405.184000	176284758.17459			
Observation end date	2003-08-03T07:52:21	2003-08-03T07:59:18			
Read mode	TIMED	TIMED			

## 2.3 Aspect





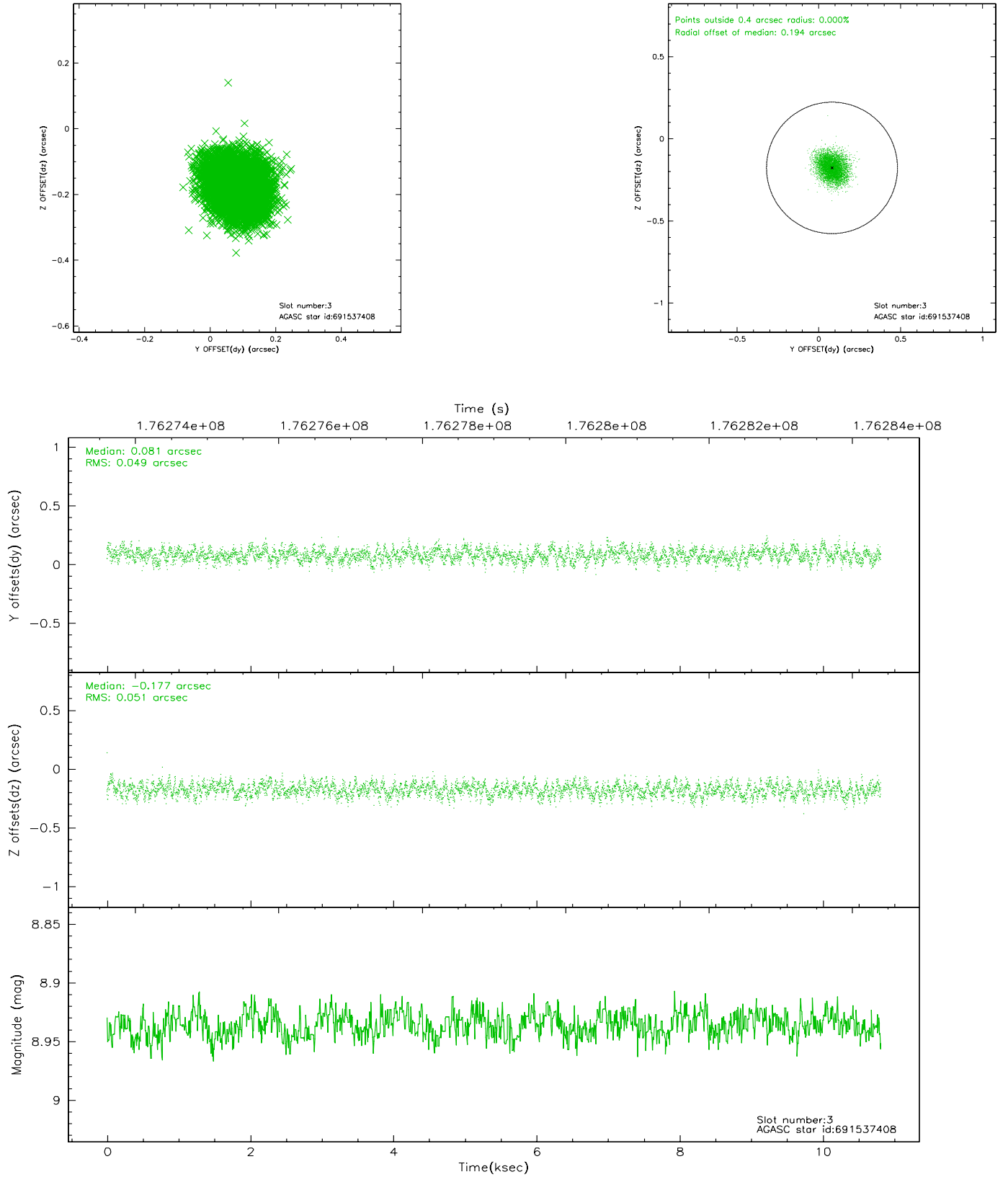
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	2638	0.052	-0.034	0.015	0.029	0.000000	0.000000	934.77	-992.27
1	FID	ACIS-I-5	7.21	2637	-0.195	0.057	0.012	0.024	0.000000	0.000000	-1813.32	905.02
2	FID	ACIS-I-6	7.25	2637	0.053	0.048	0.010	0.017	0.000000	0.000000	399.80	1550.06
3	GUIDE	691537408	8.94	5270	0.081	-0.177	0.077	0.121	22.895794	-13.690101	-317.58	381.11
4	GUIDE	691537936	9.36	5274	0.186	-0.170	0.081	0.129	22.686545	-14.169763	-1823.30	1497.89
5	GUIDE	691537616	8.14	5275	-0.347	-0.138	0.053	0.085	22.649107	-12.975933	2384.39	616.66
6	GUIDE	691933096	9.32	5266	-0.087	0.150	0.108	0.172	23.143345	-12.852683	2408.01	-1173.32
7	GUIDE	691937904	9.76	5266	0.164	0.334	0.108	0.177	23.765212	-13.896255	-1758.94	-2395.32

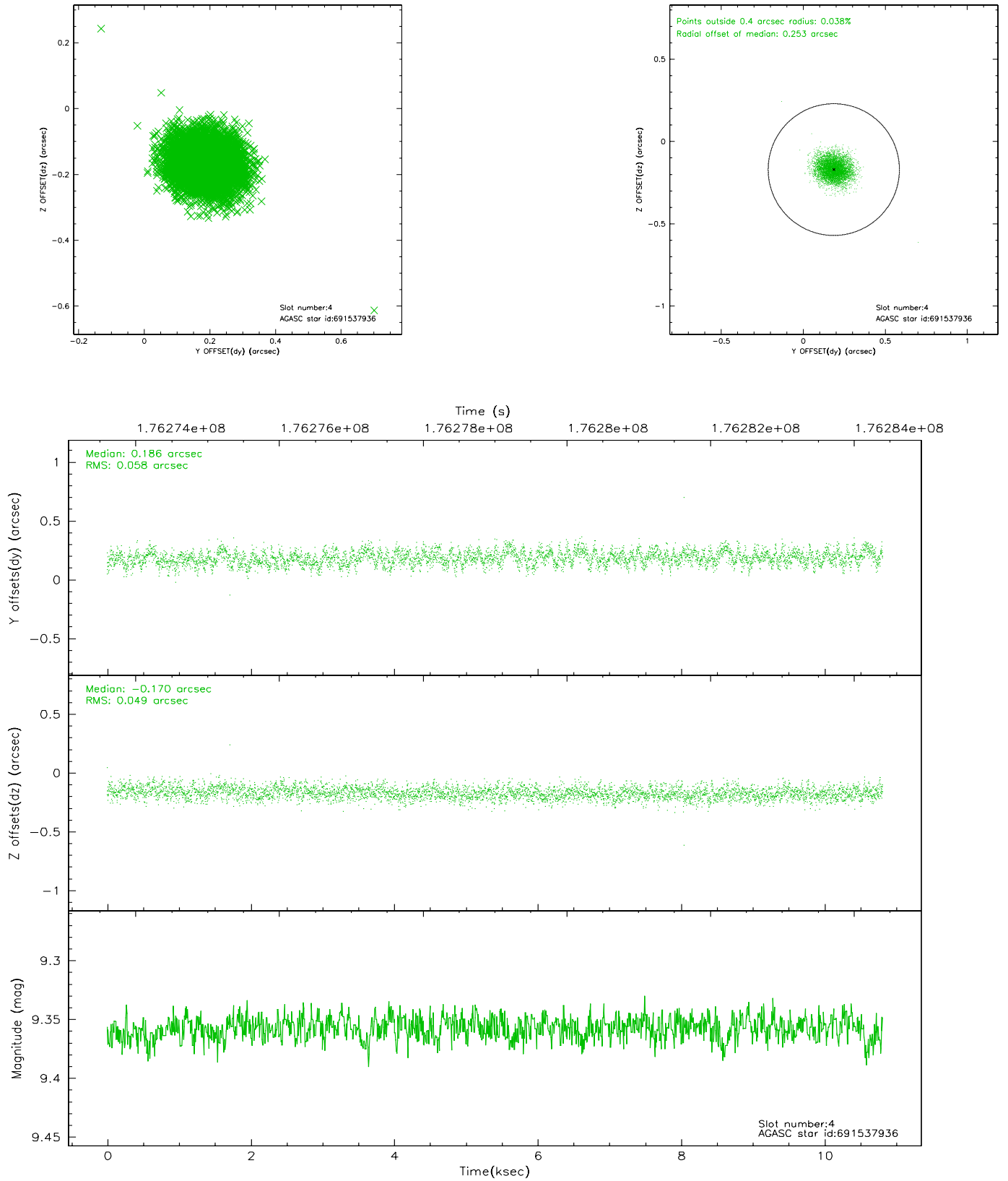


## 2.4 Star Slots

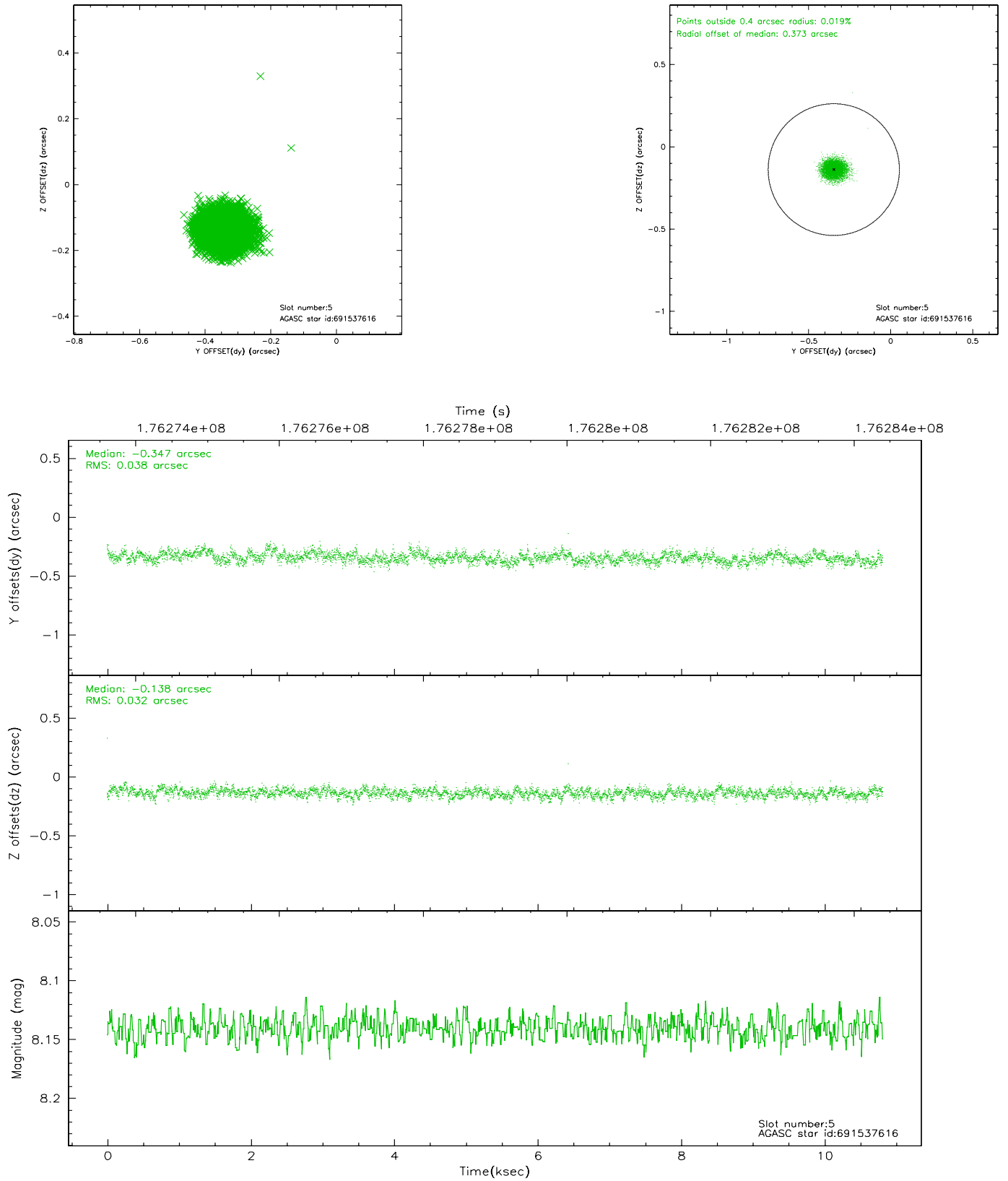
### 2.4.1 Slot 3



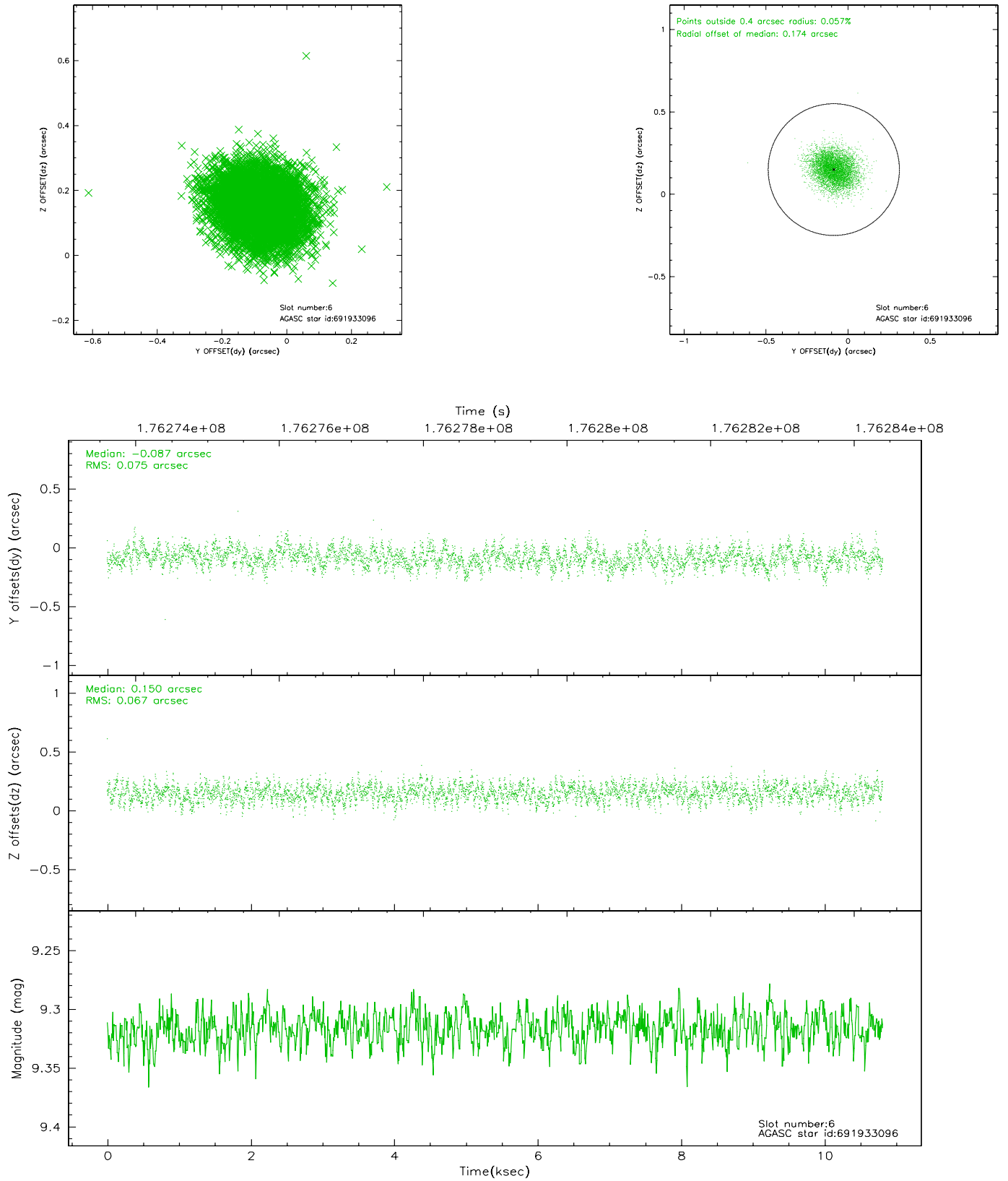
## 2.4.2 Slot 4



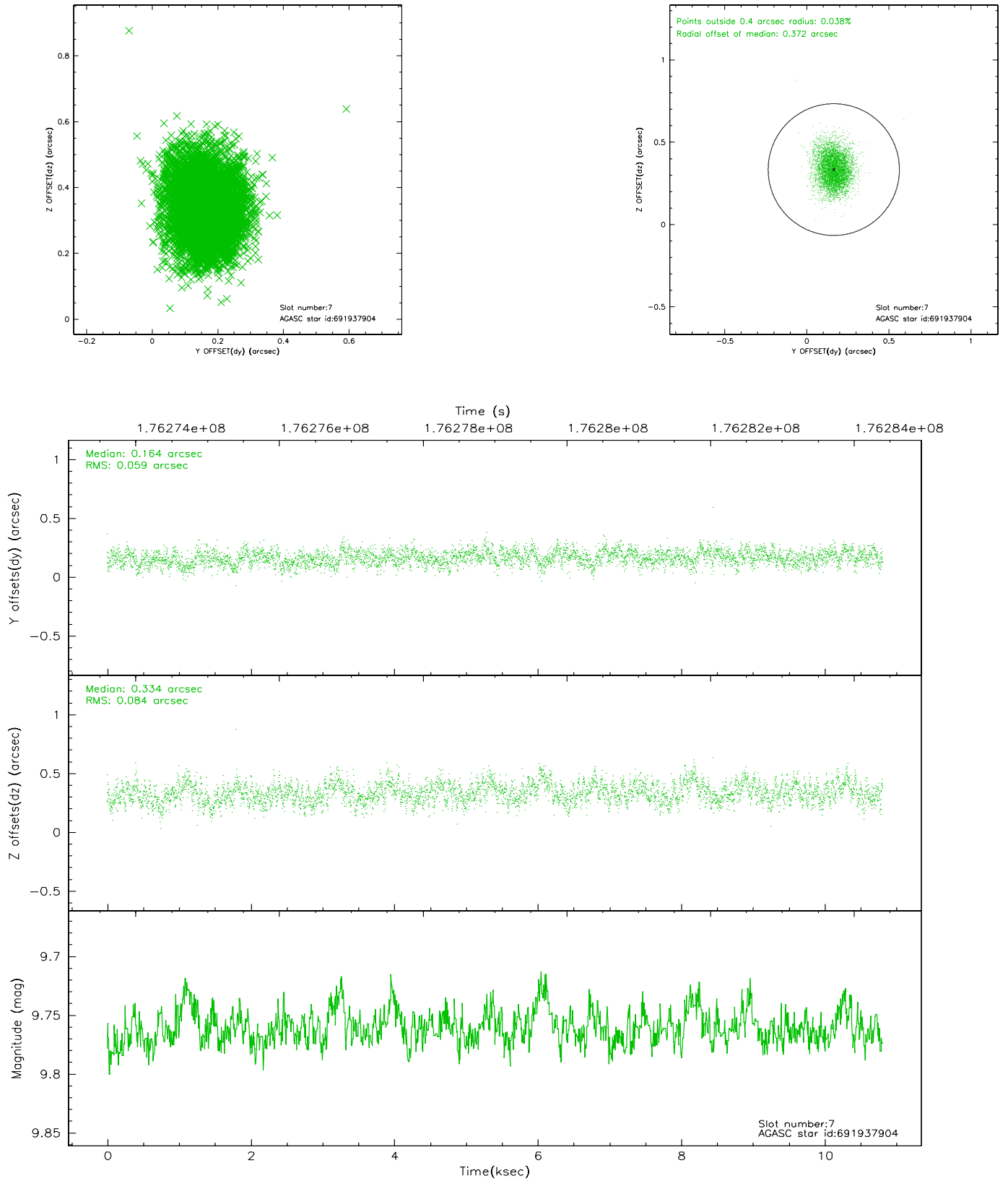
### 2.4.3 Slot 5



## 2.4.4 Slot 6

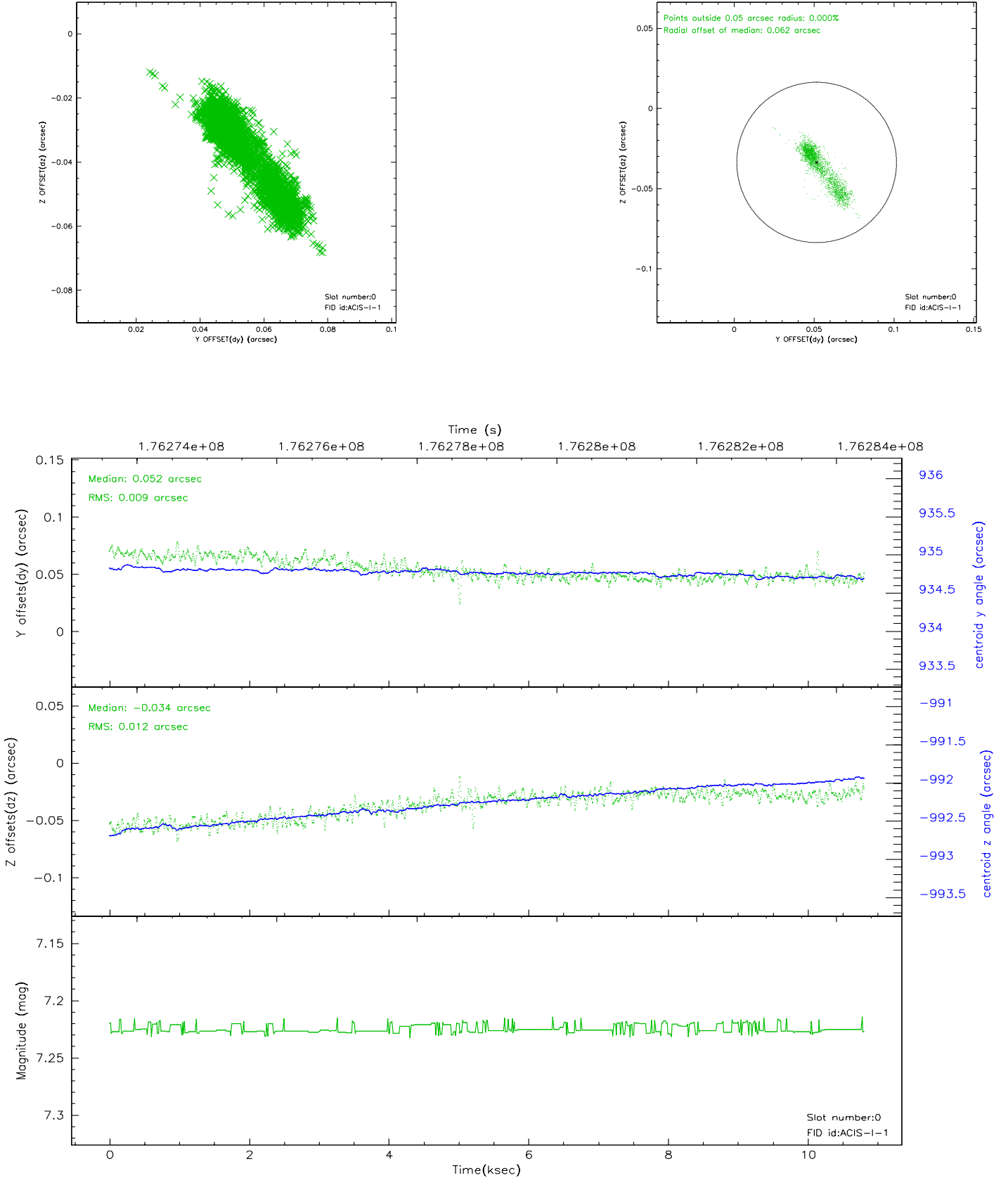


## 2.4.5 Slot 7

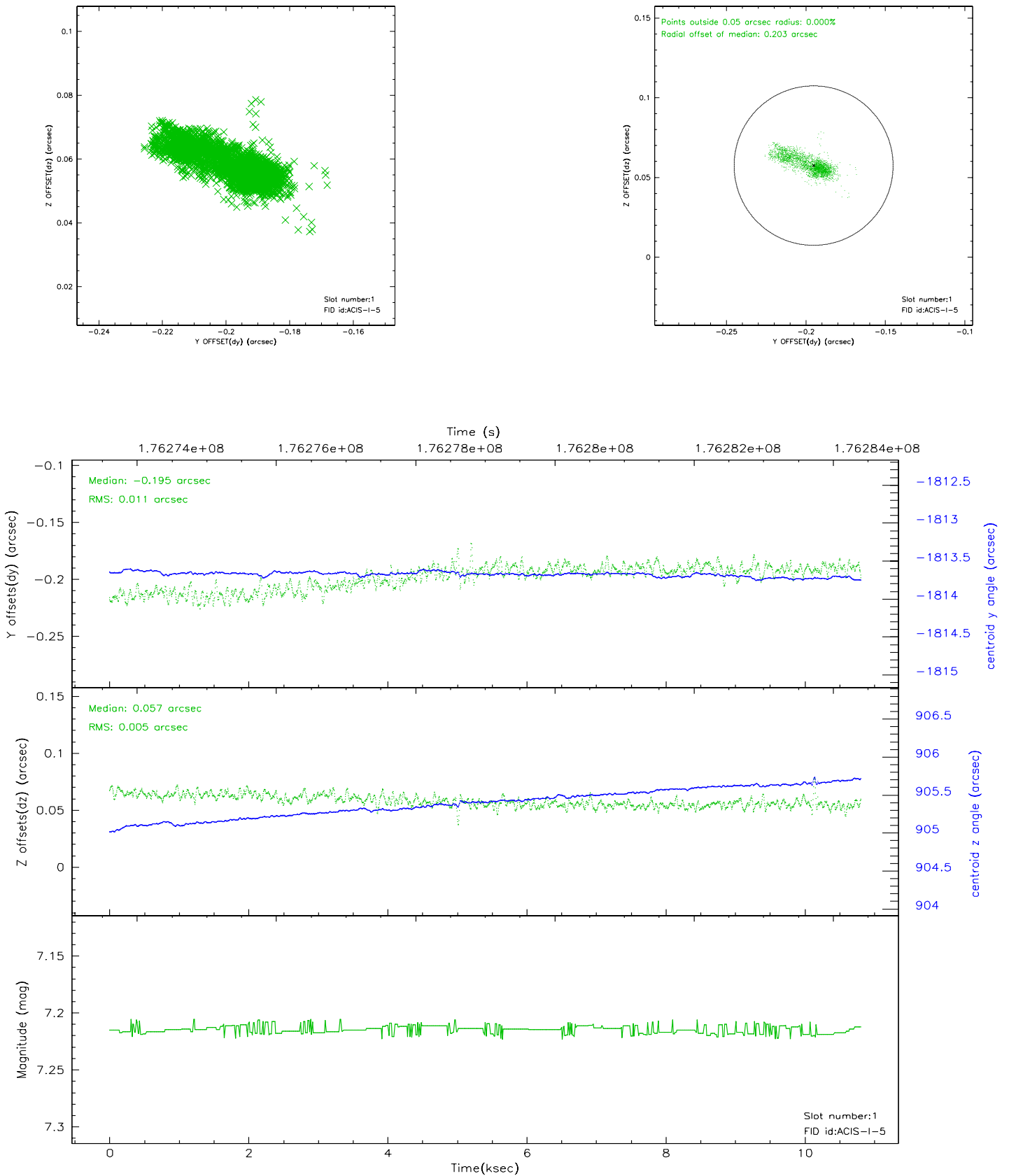


## 2.5 FID Slots

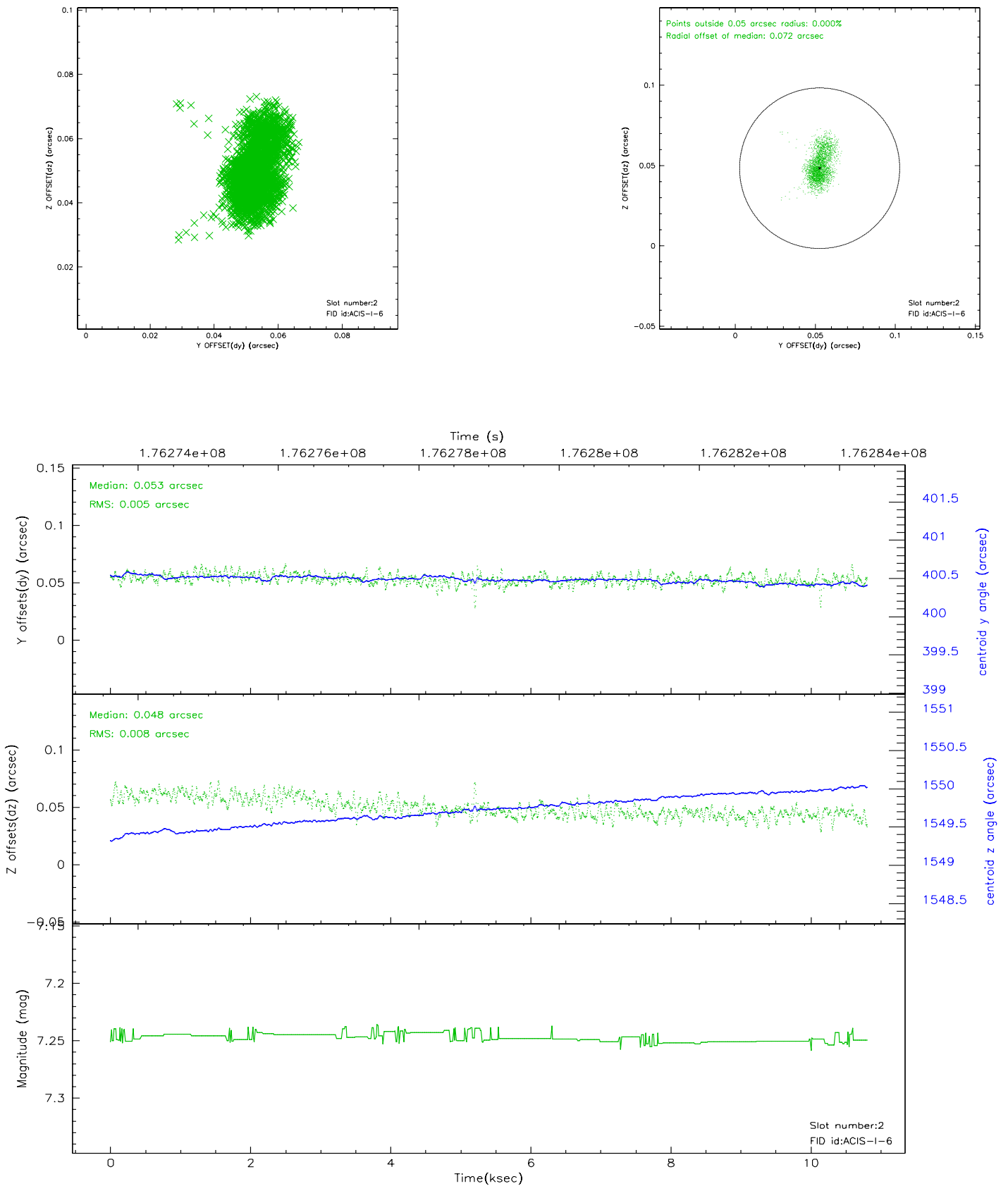
### 2.5.1 Slot 0



## 2.5.2 Slot 1

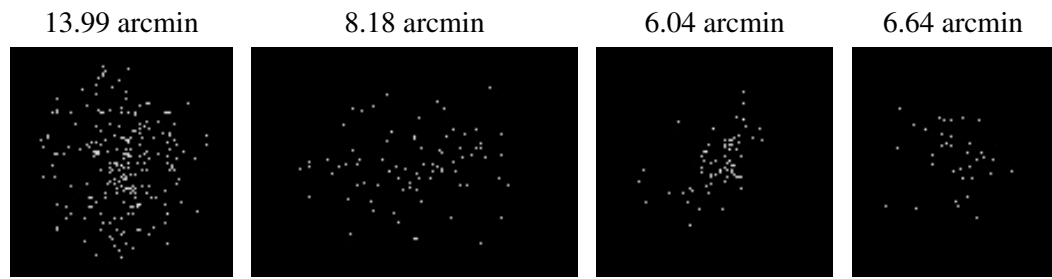


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.118

### A.2 Comments