

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4053 - L2 Version 001  
Chandra X-Ray Center

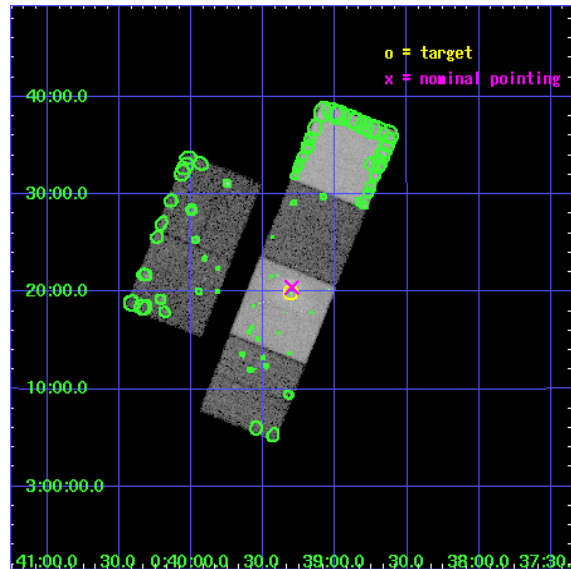
L2 Processing Date : Jul 7 2006

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# 1 Front

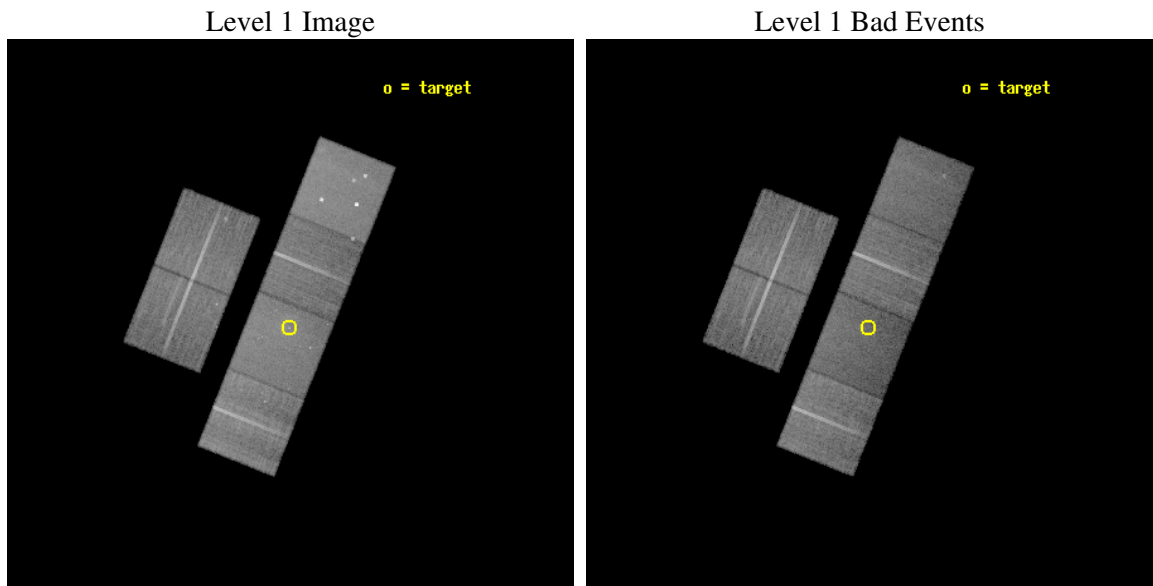
seq_num	700732
obs_id	4053
title	CHANDRA IMAGING OF A COMPLETE SAMPLE OF LOW LUMINOSITY RADIO GALAXIES: JETS VS. DISKS IN THE BLACK HOLE PARADIGM
observer	Dr Christopher O'Dea
object	UGC 408
dtcycle	0
cycle	P
ra_targ	9.8275
dec_targ	3.331111
ra_nom	9.8255260484443
dec_nom	3.3405458919517
roll_nom	111.79381589634
revision	3
ontime	29436.676939577
livetime	29063.932011529
ontime2	29433.435929328
ontime3	29420.471978217
ontime5	29439.917919785
ontime6	29423.712978572
ontime7	29436.676939577
ontime8	29426.954018623
l2events	249780



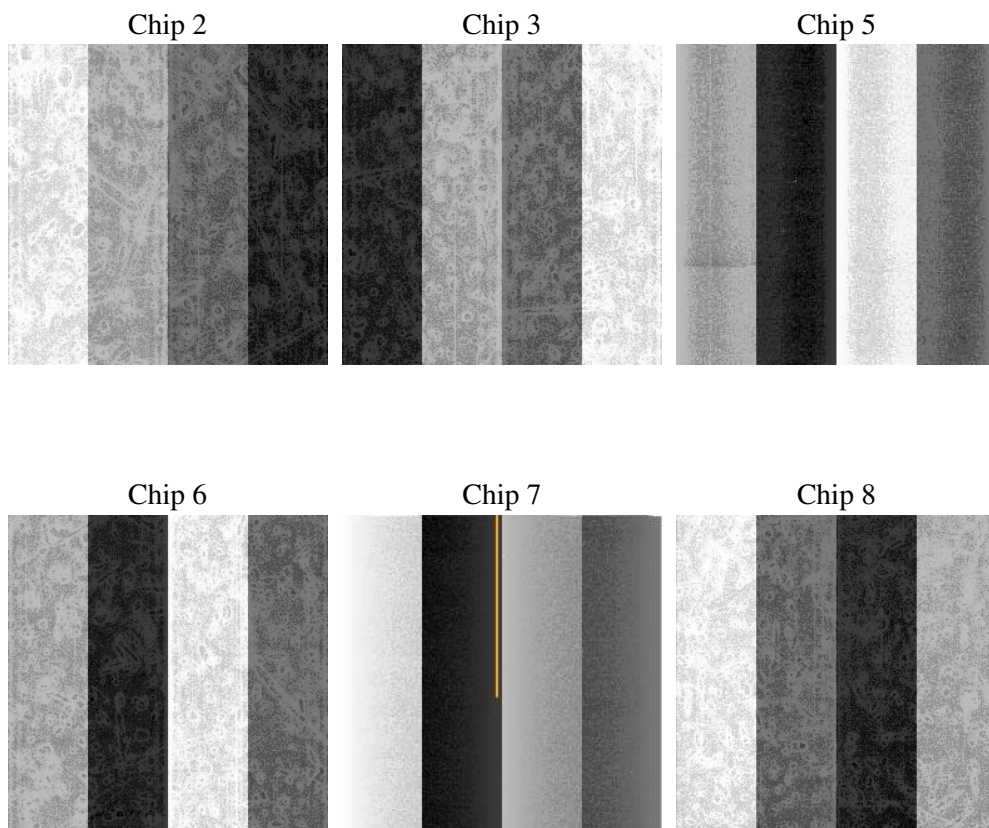
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-07-07T23:44:29
revision	3

sched_exp_time	29481.635000
ontime	29441.333940446
ontime2	29438.092930198
ontime3	29425.128979087
ontime5	29444.574940592
ontime6	29428.369979441
ontime7	29441.333940446
ontime8	29431.611019492
l1events	1071384

### 2.1.4 Events

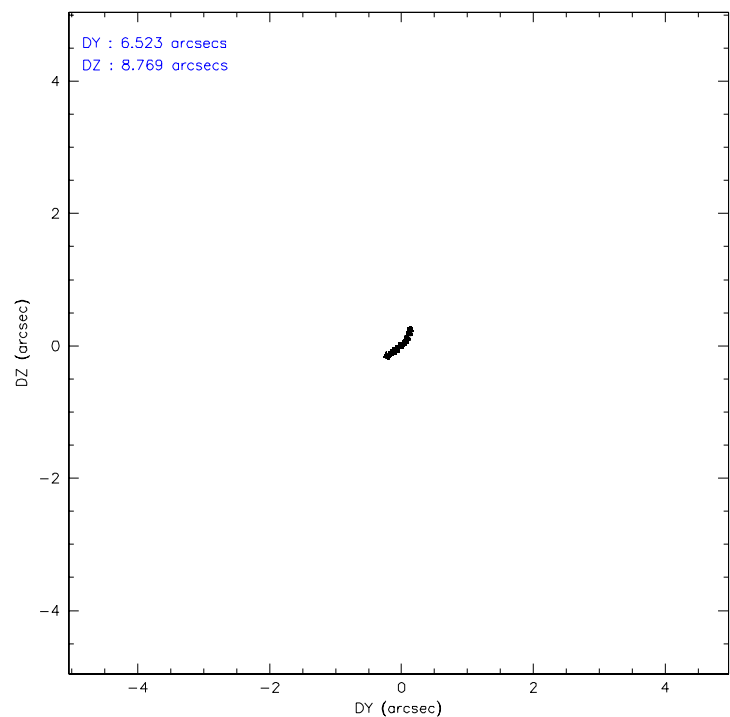
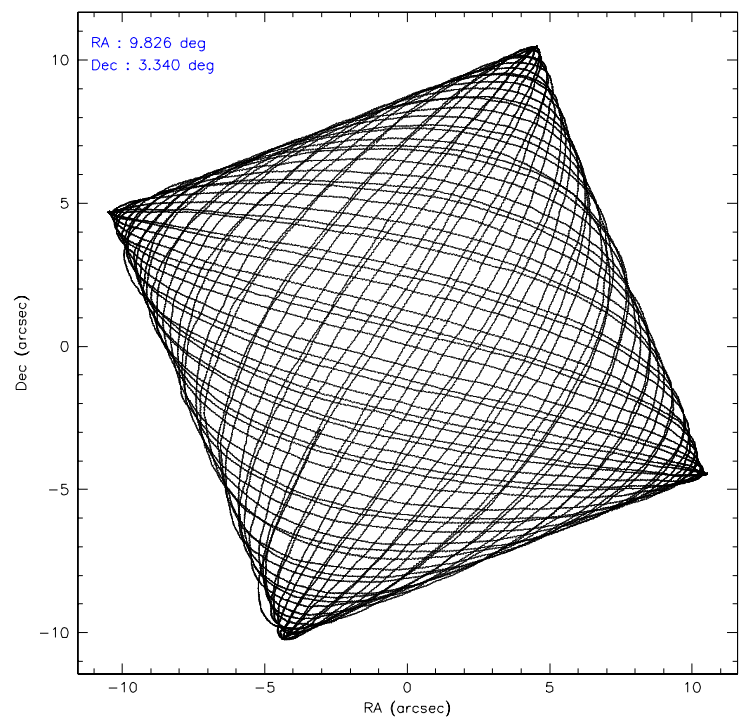
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	162379	149415	225150	153524	185335	195581
rejected events	145615	133506	106989	136202	96843	150565
rejected %	89%	89%	47%	88%	52%	76%

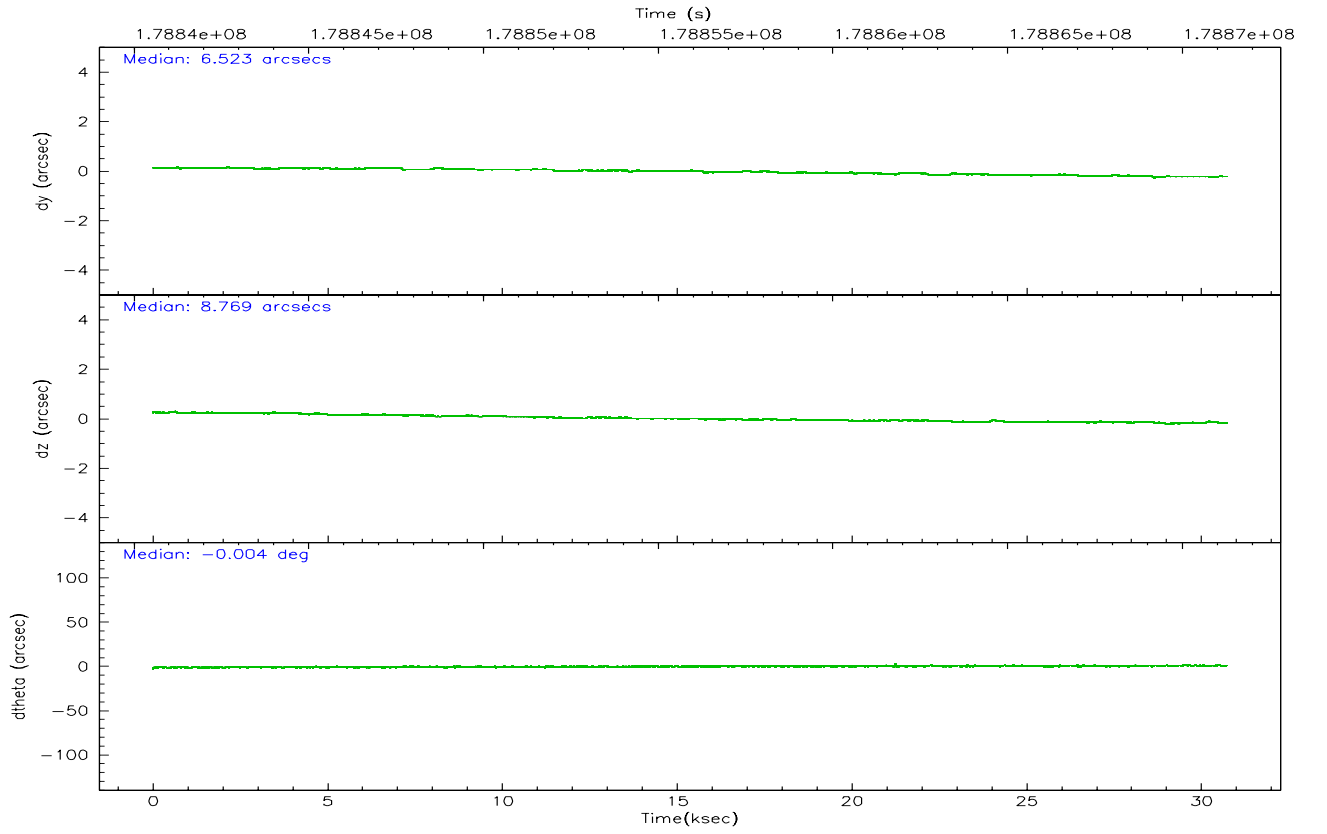
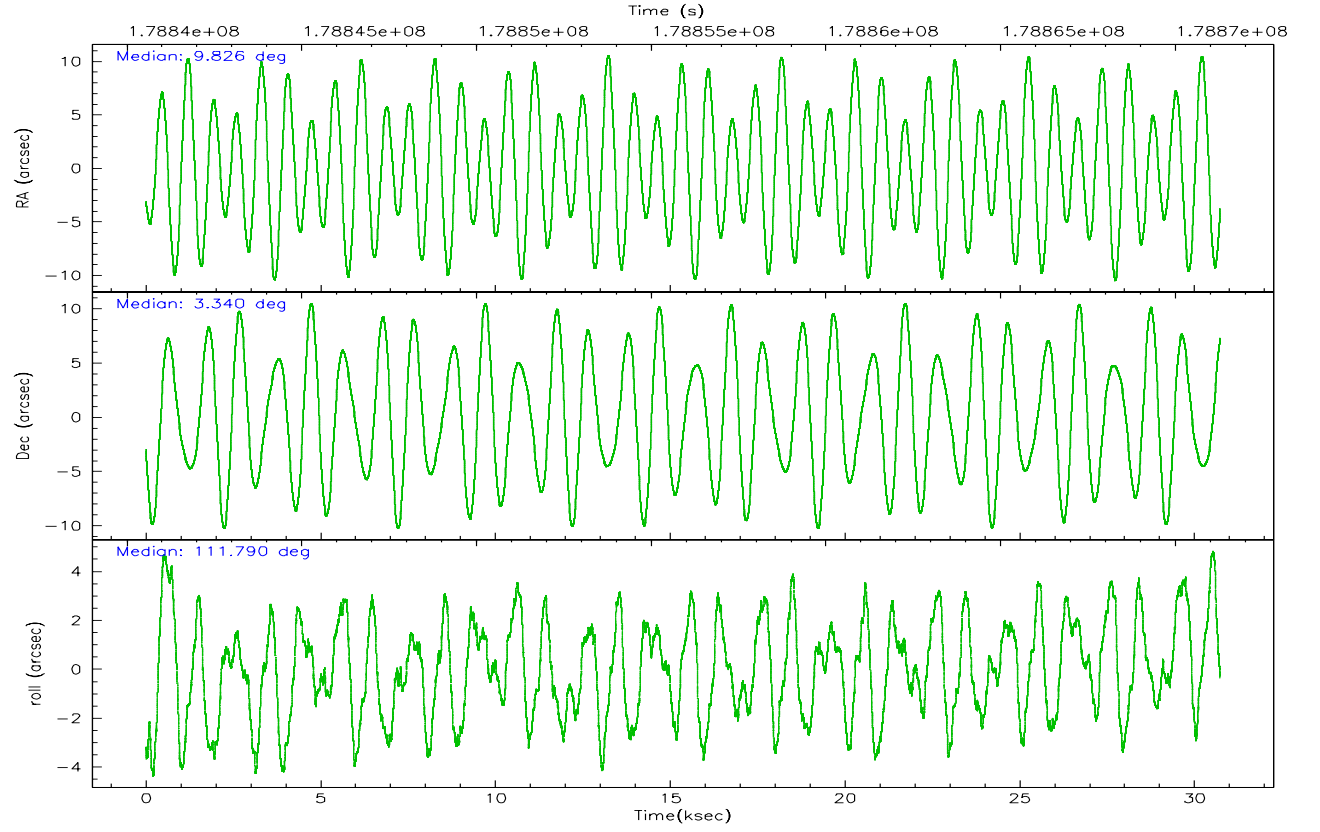
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	6961	6599	19169	6942	7879	14761
	4%	4%	8%	4%	4%	7%
grade 1 events	89	73	390	65	77	109
	0%	0%	0%	0%	0%	0%
grade 2 events	3631	3028	33607	3540	21318	9859
	2%	2%	14%	2%	11%	5%
grade 3 events	1616	1768	3086	1816	5792	4526
	0%	1%	1%	1%	3%	2%
grade 4 events	1790	1731	3121	1717	5513	4237
	1%	1%	1%	1%	2%	2%
grade 5 events	5156	5773	10901	6068	13001	8536
	3%	3%	4%	3%	7%	4%
grade 6 events	2773	2788	59202	3311	48003	11638
	1%	1%	26%	2%	25%	5%
grade 7 events	140363	127655	95674	130065	83752	141915
	86%	85%	42%	84%	45%	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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	9.847201	9.825526048444315	Alternating exposures requested	N	N
Pointing Dec	3.324026	3.340545891951728	Primary exposure time	0.000000	3.2
Pointing Roll	111.635922	111.7938158963369			
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	178841796.184000	178840302.63386			
Observation start date	2003-09-01T22:15:32	2003-09-01T21:51:42			
Observation end time	178871277.184000	178871592.2977			
Observation end date	2003-09-02T06:26:53	2003-09-02T06:33:12			
Read mode	TIMED	TIMED			

## 2.3 Aspect





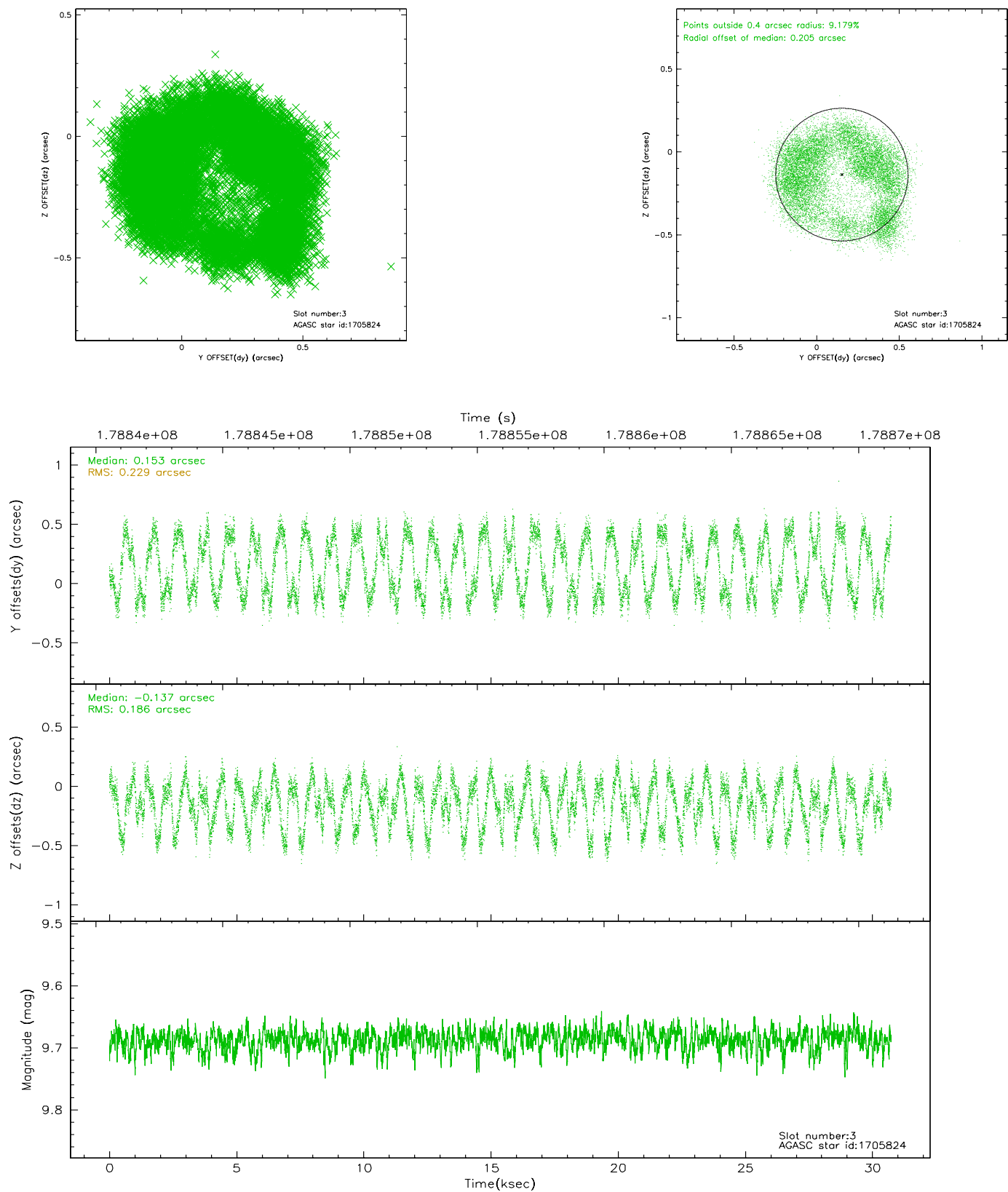
### Slot Statistics

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	7487	-0.025	-0.017	0.007	0.011	0.000000	0.000000	-759.27	-1730.02
1	FID	ACIS-S-4	7.20	7485	0.020	0.017	0.006	0.010	0.000000	0.000000	2154.03	178.42
2	FID	ACIS-S-5	7.23	7485	-0.026	0.009	0.006	0.010	0.000000	0.000000	-1812.02	172.17
3	GUIDE	1705824	9.69	14969	0.153	-0.137	0.326	0.428	9.875251	2.713966	-2078.19	715.93
4	GUIDE	1711136	7.48	14978	-0.046	-0.003	0.096	0.138	9.945606	3.652670	969.74	-764.71
5	GUIDE	1836648	8.68	14972	0.072	0.049	0.113	0.162	10.519756	2.934463	-2193.92	-1730.83
6	GUIDE	1839128	7.83	14981	-0.115	0.038	0.095	0.134	10.338728	3.599397	271.03	-2007.13
7	GUIDE	1840280	9.78	14971	-0.057	0.072	0.122	0.197	10.096533	3.874641	1513.00	-1563.39

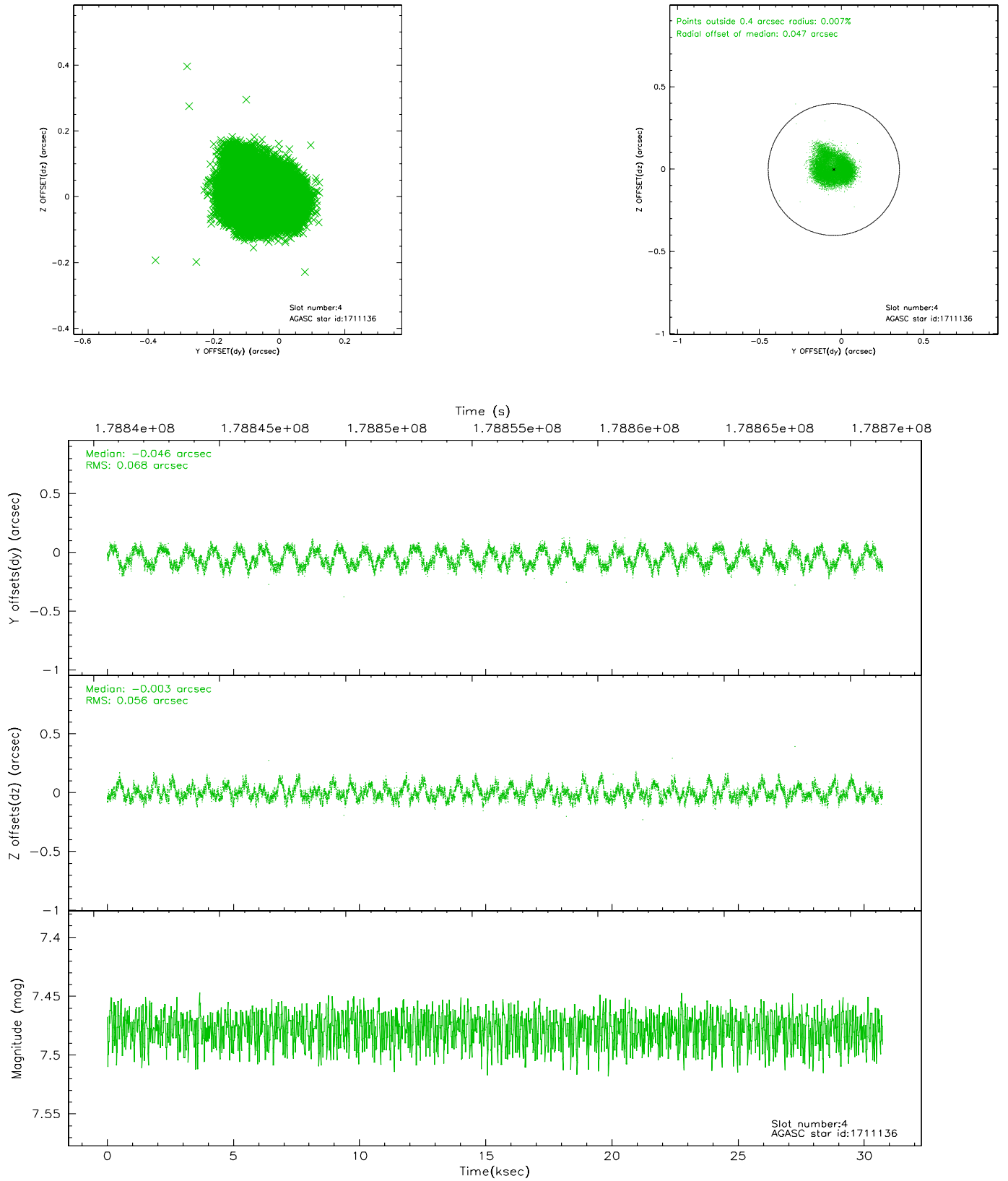


## 2.4 Star Slots

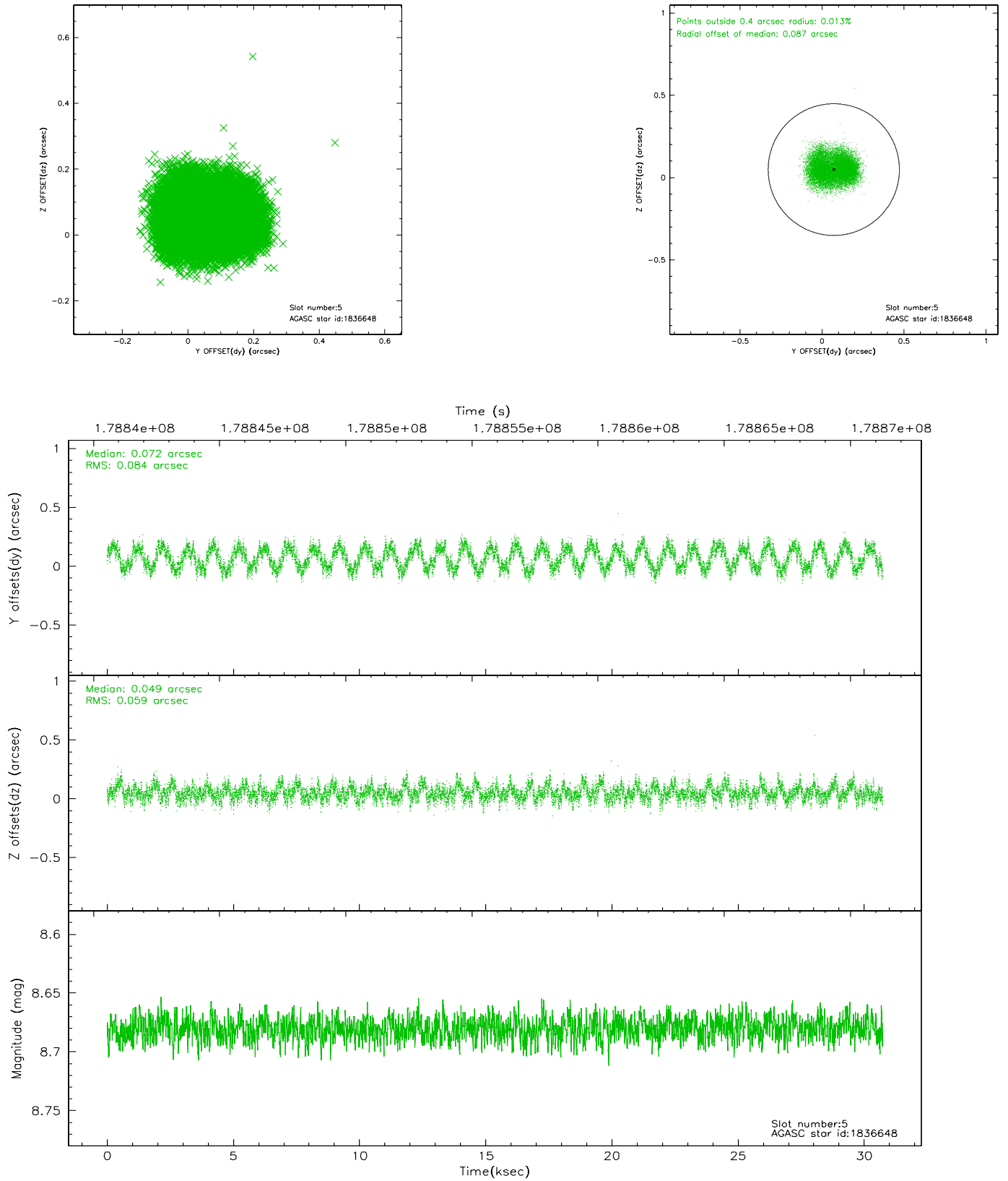
### 2.4.1 Slot 3



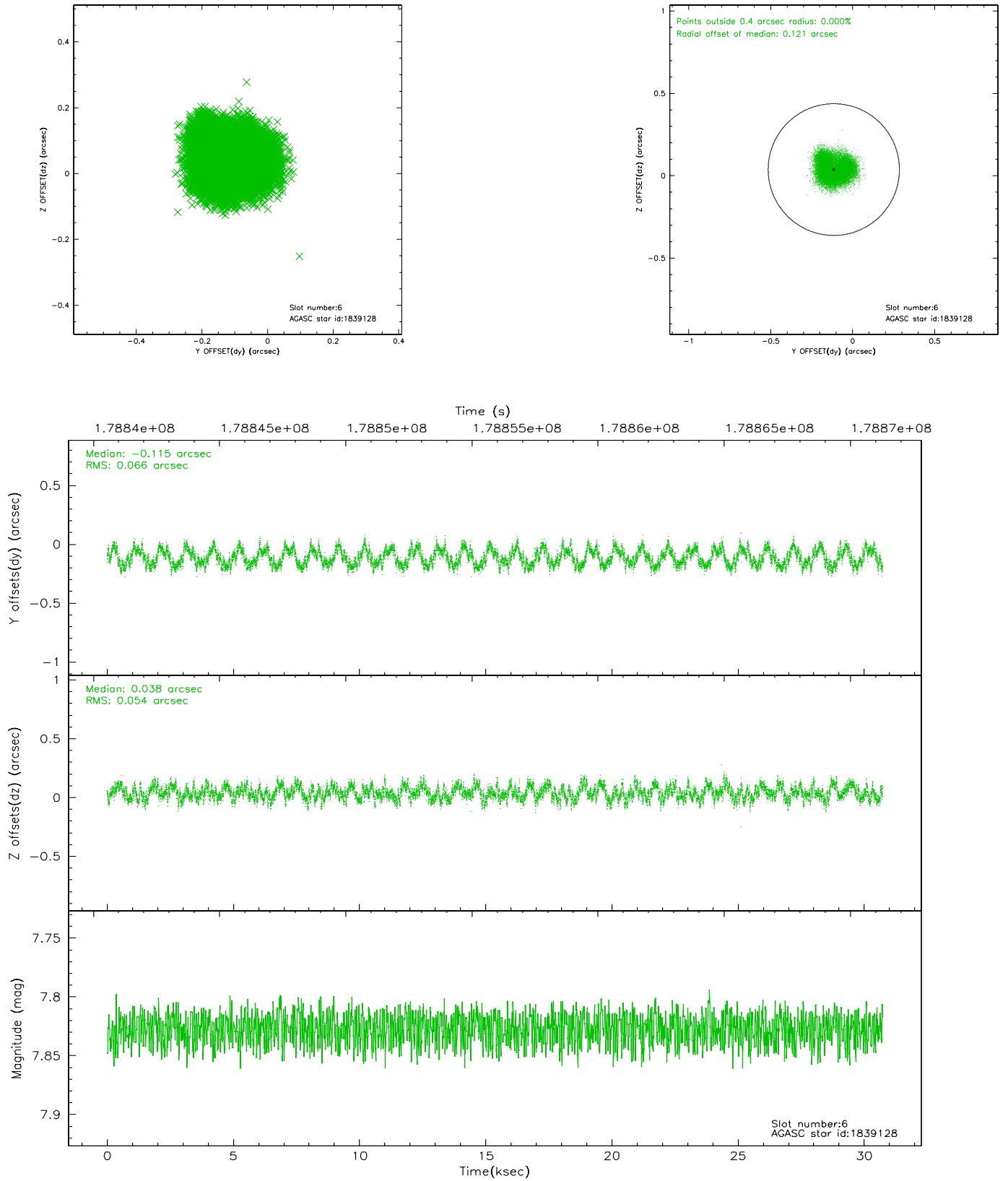
## 2.4.2 Slot 4



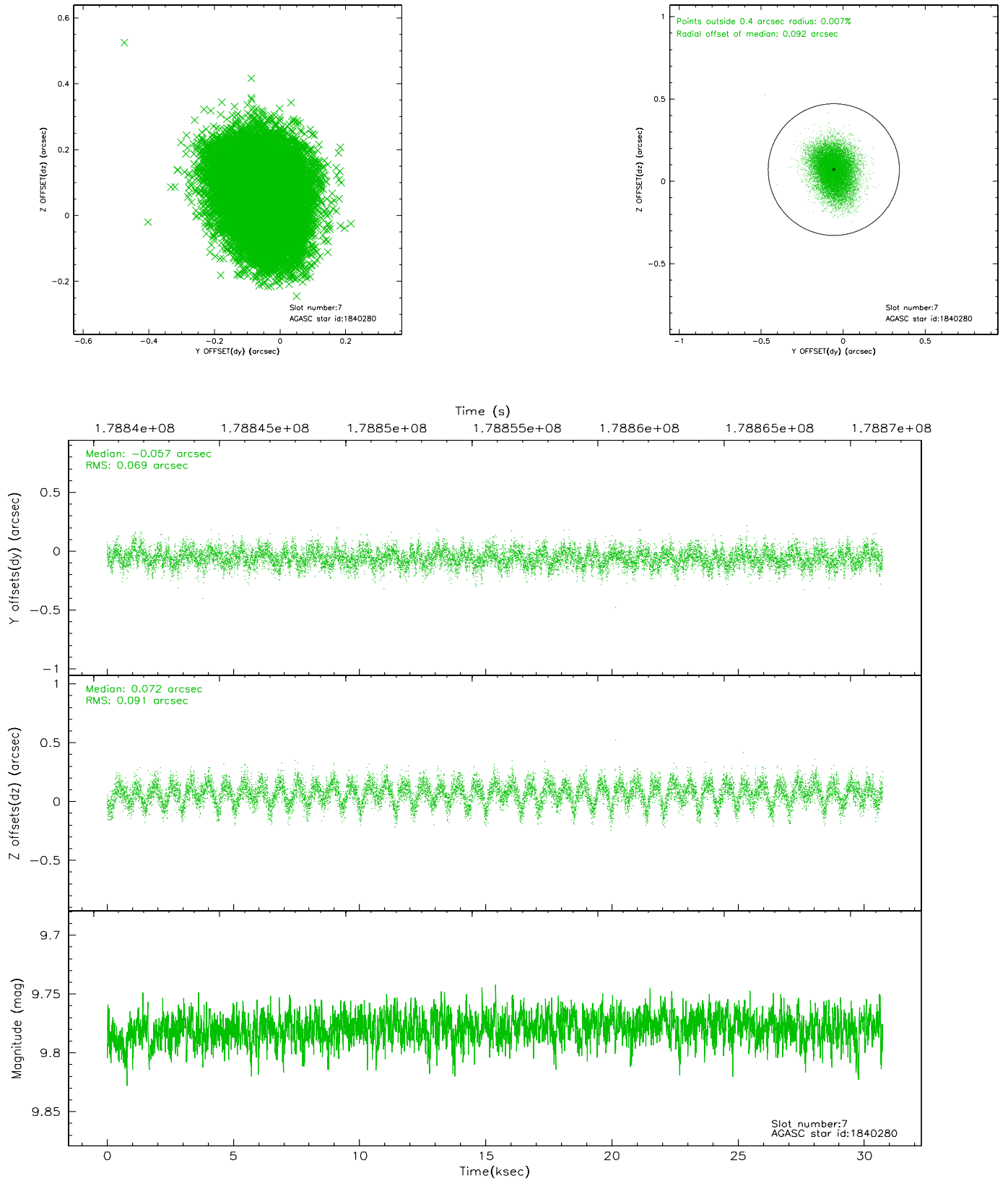
### 2.4.3 Slot 5



## 2.4.4 Slot 6

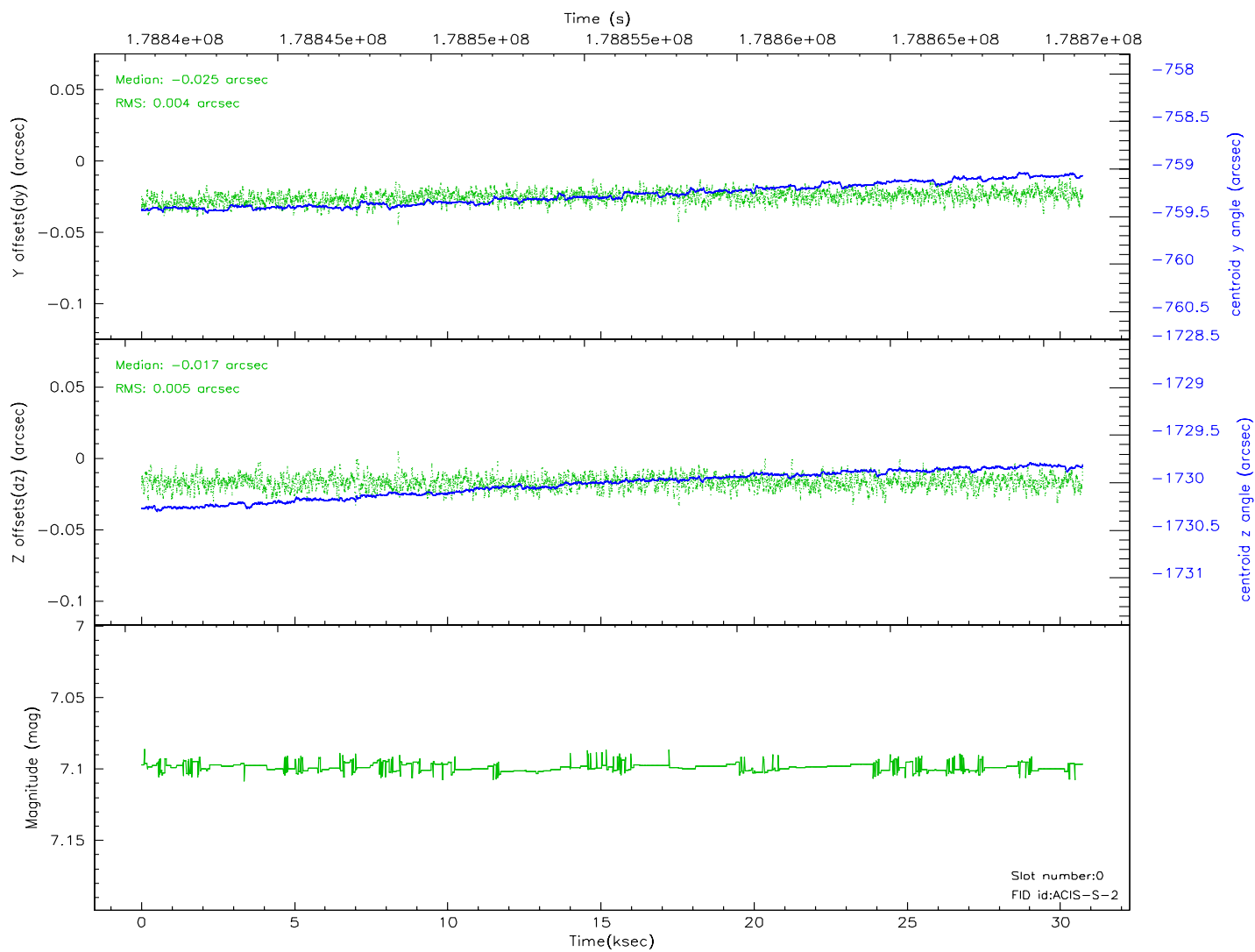
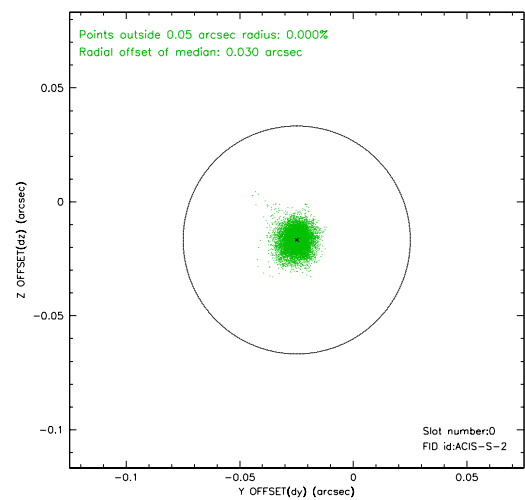
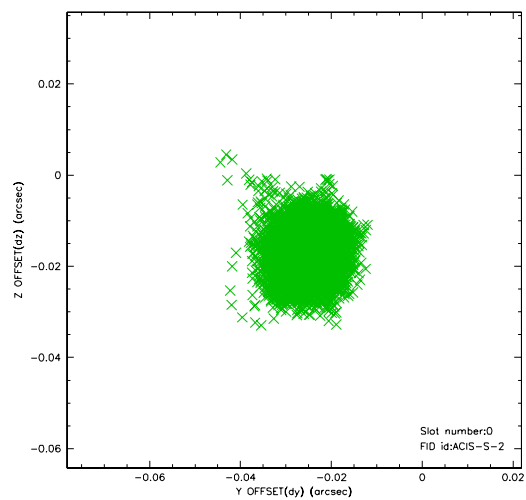


## 2.4.5 Slot 7

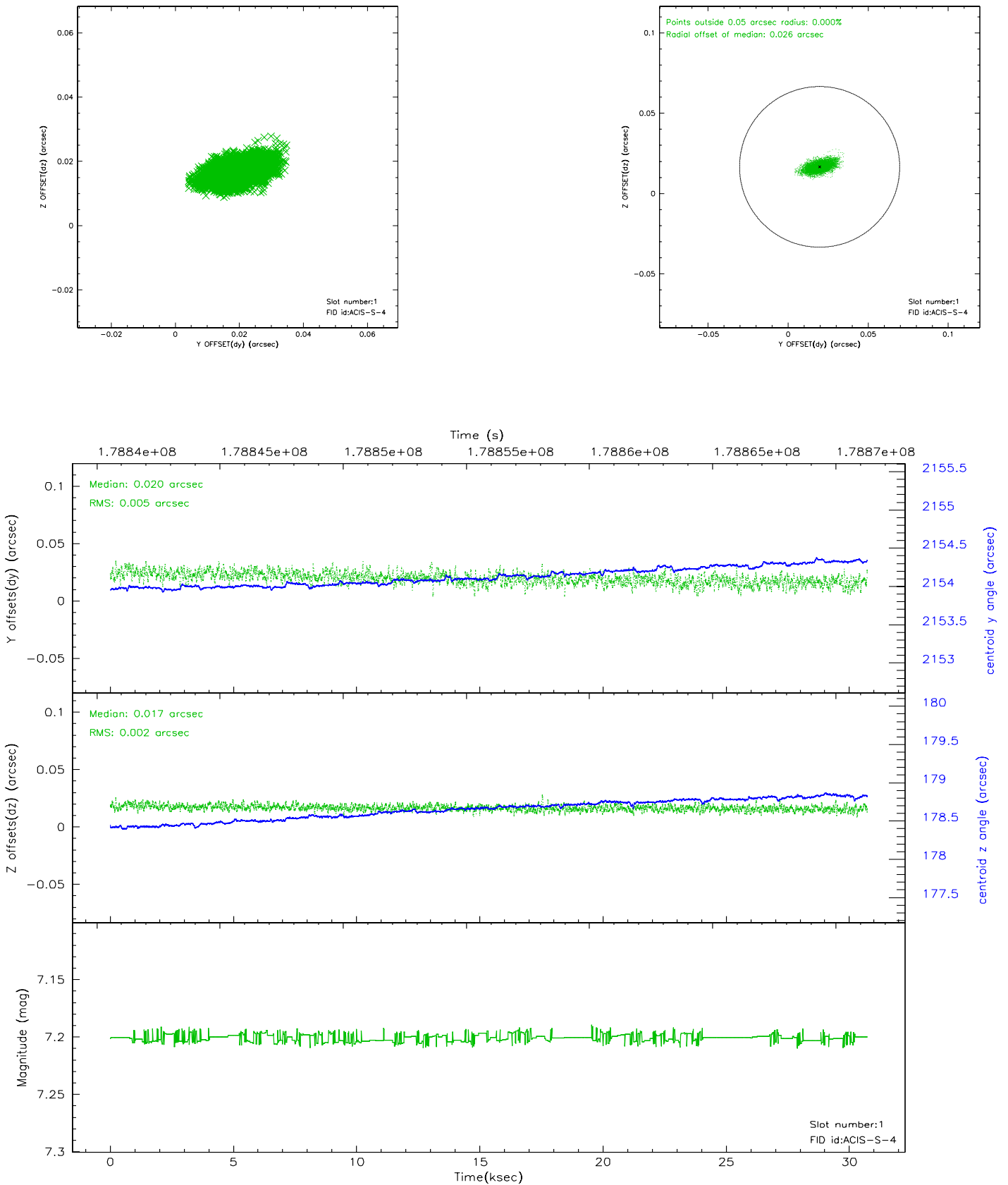


## 2.5 FID Slots

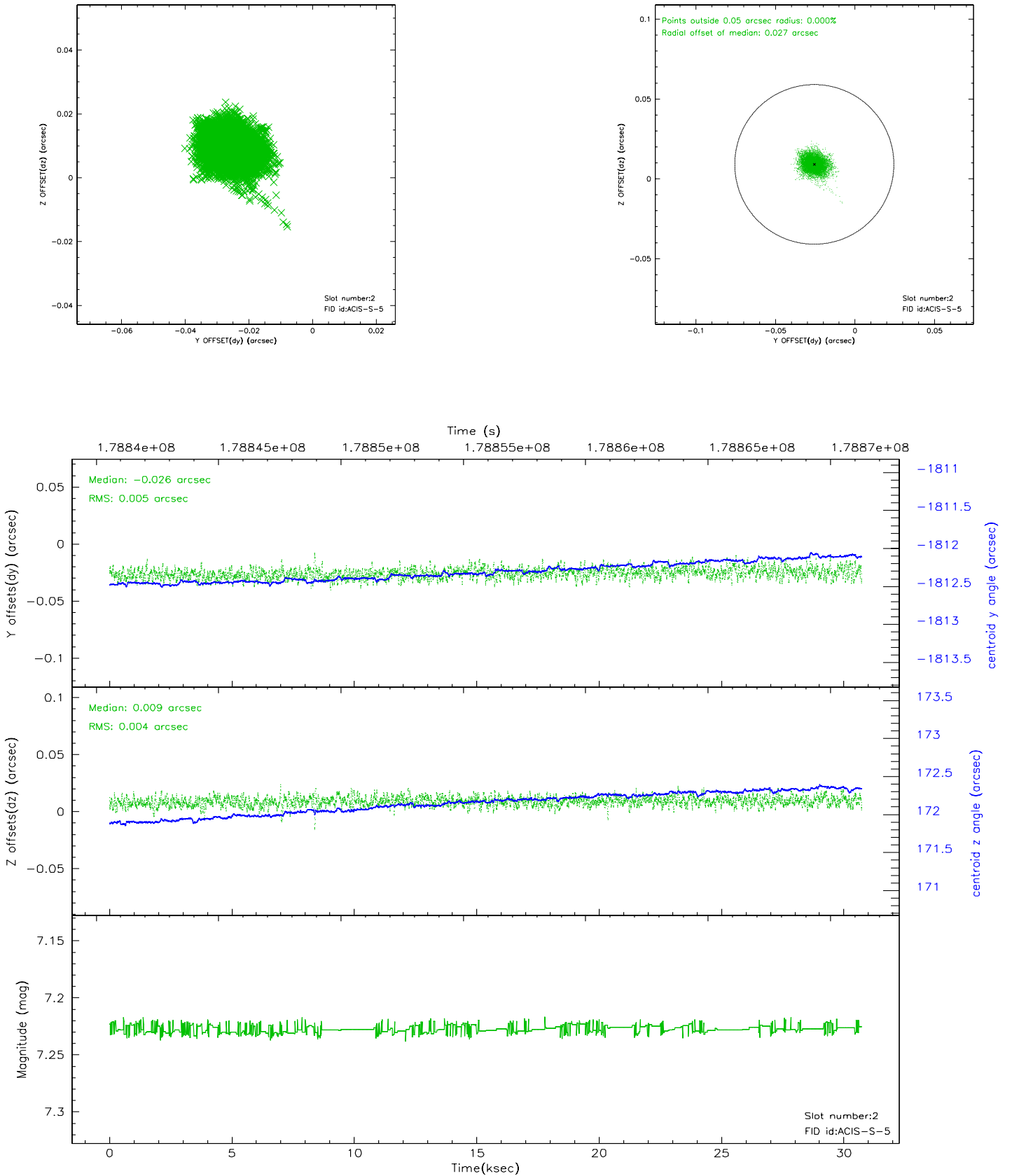
### 2.5.1 Slot 0



## 2.5.2 Slot 1

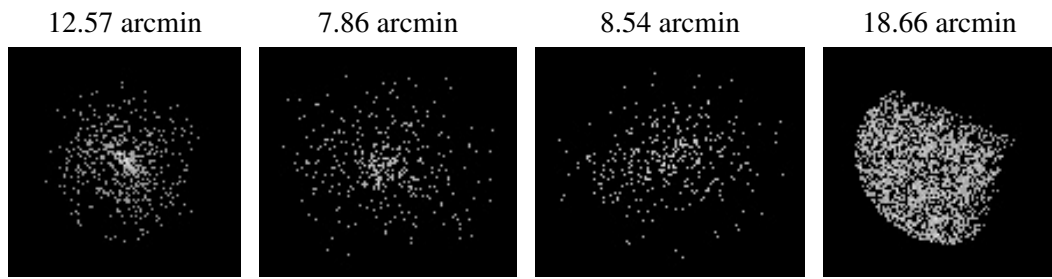


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.439

### A.2 Comments