

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 21 - L2 Version 001  
Chandra X-Ray Center

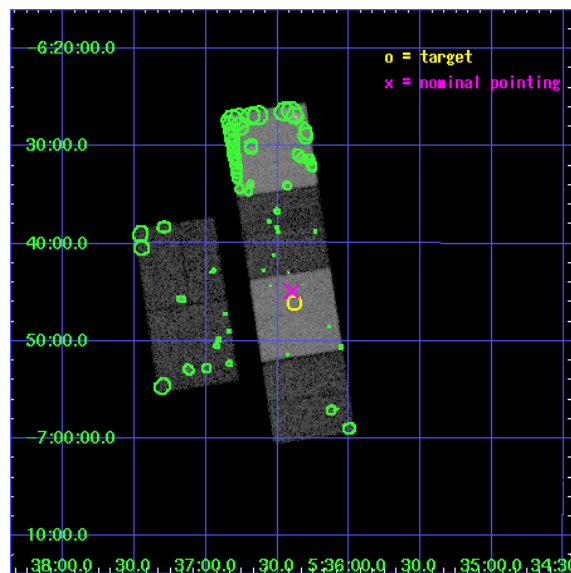
L2 Processing Date : Jun 9 2007

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# 1 Front

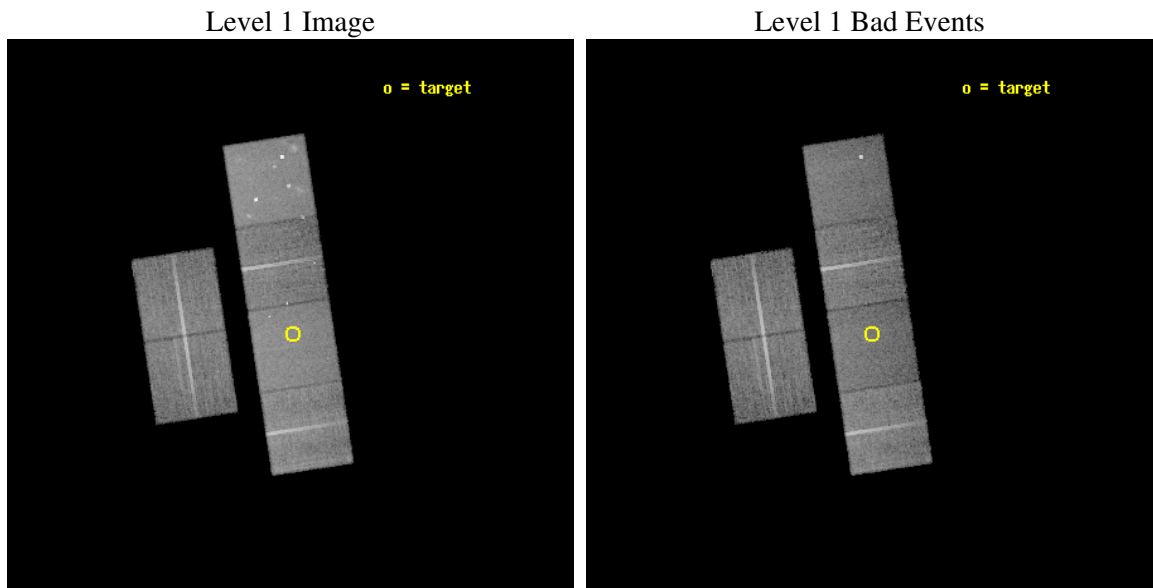
seq_num	200019
obs_id	21
title	YOUNG STARS AND OUTFLOWS IN LYNDS 1641
observer	Prof. Gordon Garmire
object	HH 1
dtcycle	0
cycle	P
ra_targ	84.095
dec_targ	-6.769167
ra_nom	84.099998915675
dec_nom	-6.7487886562687
roll_nom	81.312927348983
revision	2
ontime	19756.8000184
livetime	19506.62752045
ontime2	19756.8000184
ontime3	19756.8000184
ontime5	19756.8000184
ontime6	19756.8000184
ontime7	19756.8000184
ontime8	19753.55905816
l2events	180071



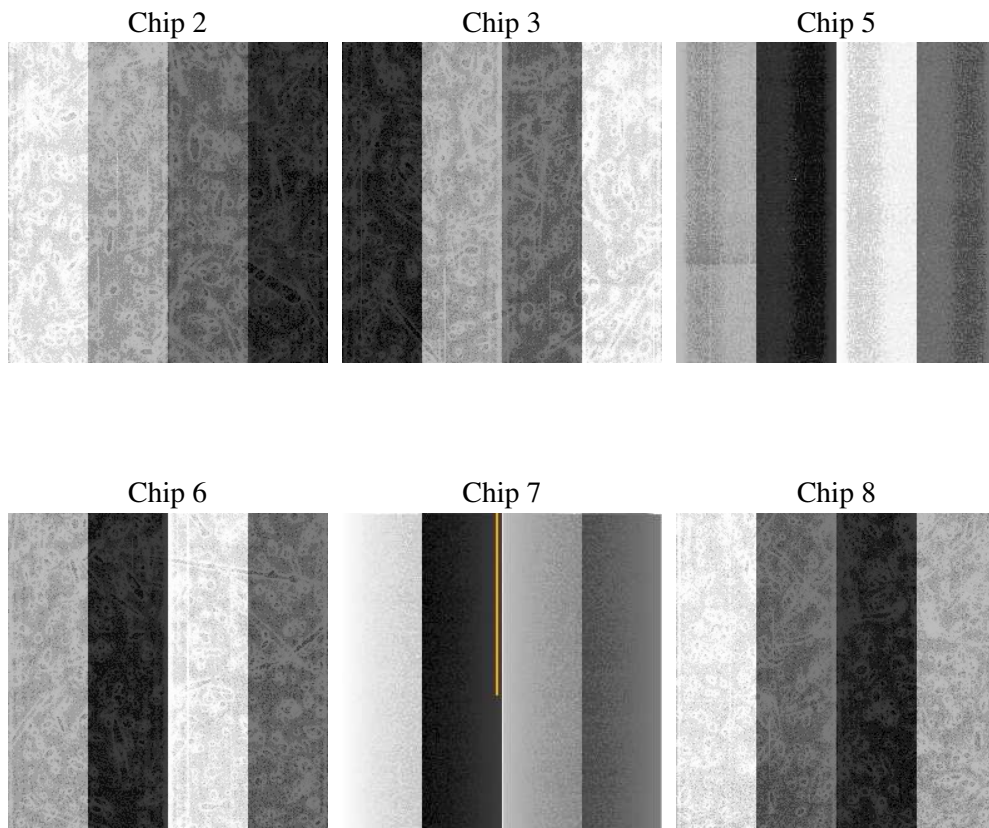
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-09T20:43:29
revision	2

sched_exp_time	20000.000000
ontime	19756.8000184
ontime2	19756.8000184
ontime3	19756.8000184
ontime5	19756.8000184
ontime6	19756.8000184
ontime7	19756.8000184
ontime8	19753.55905816
l1events	822004

### 2.1.4 Events

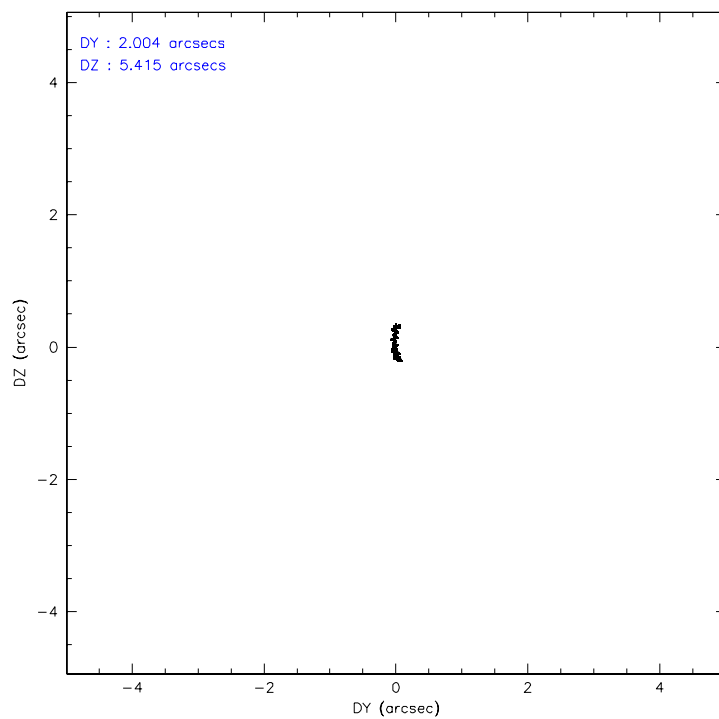
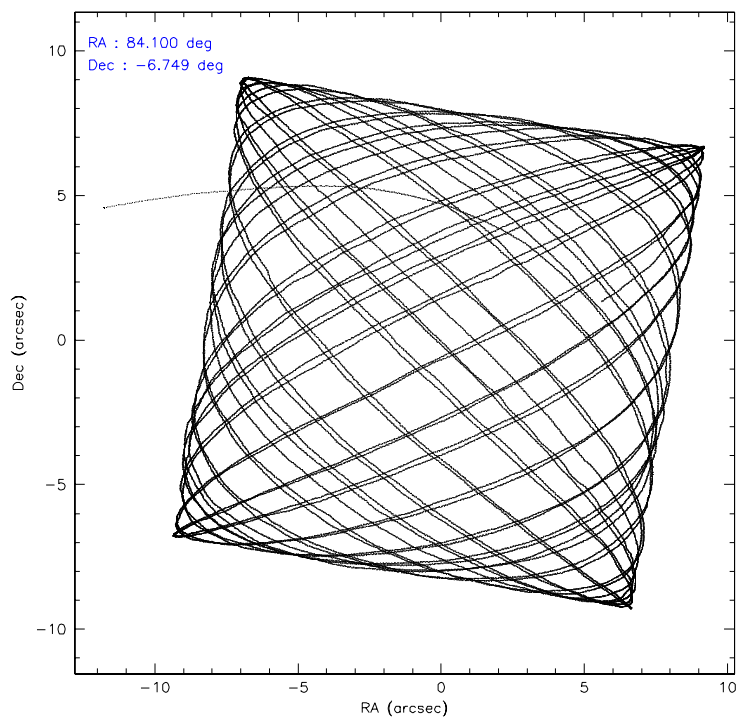
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	119731	114356	170450	118809	147801	150857
rejected events	106739	101442	88818	103974	85757	123288
rejected %	89%	88%	52%	87%	58%	81%

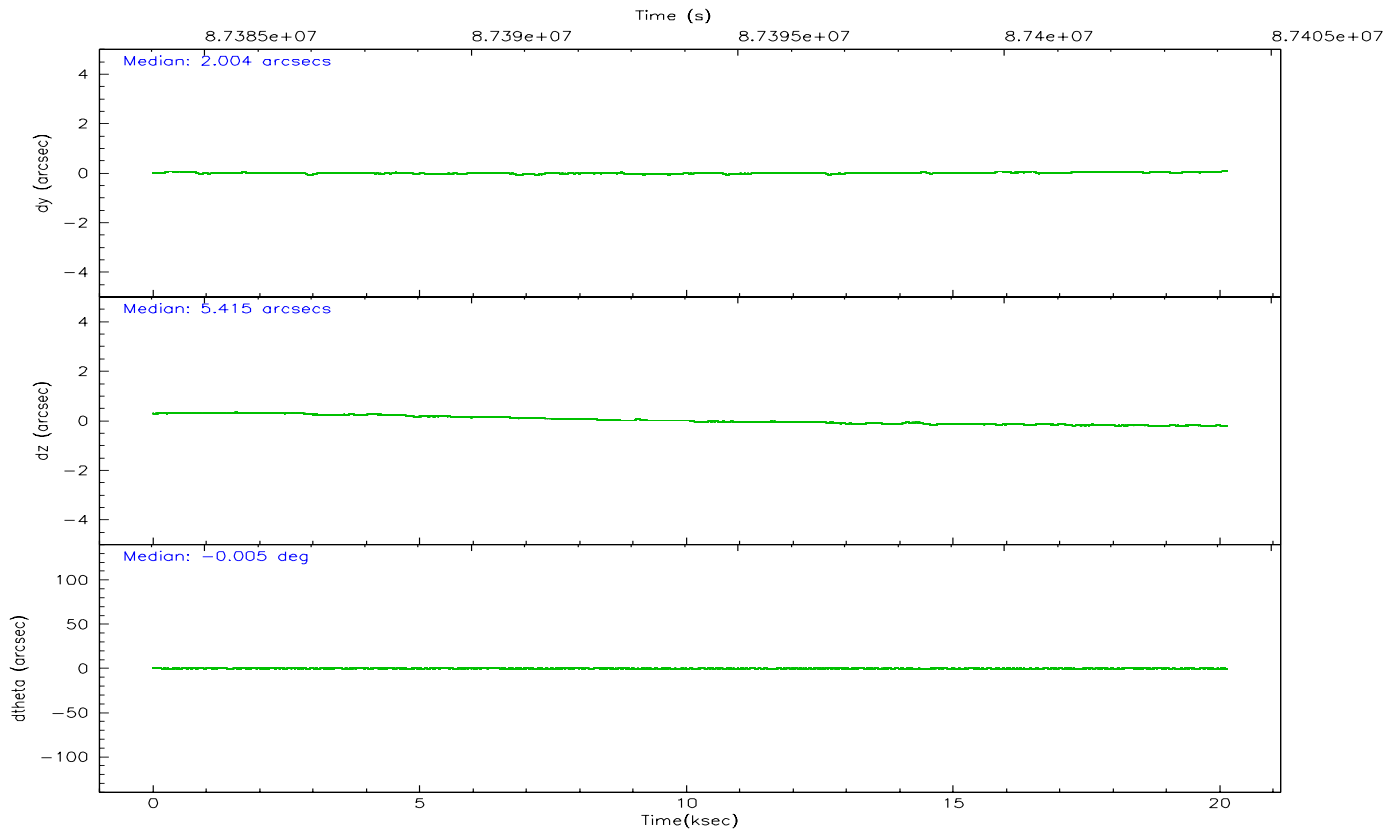
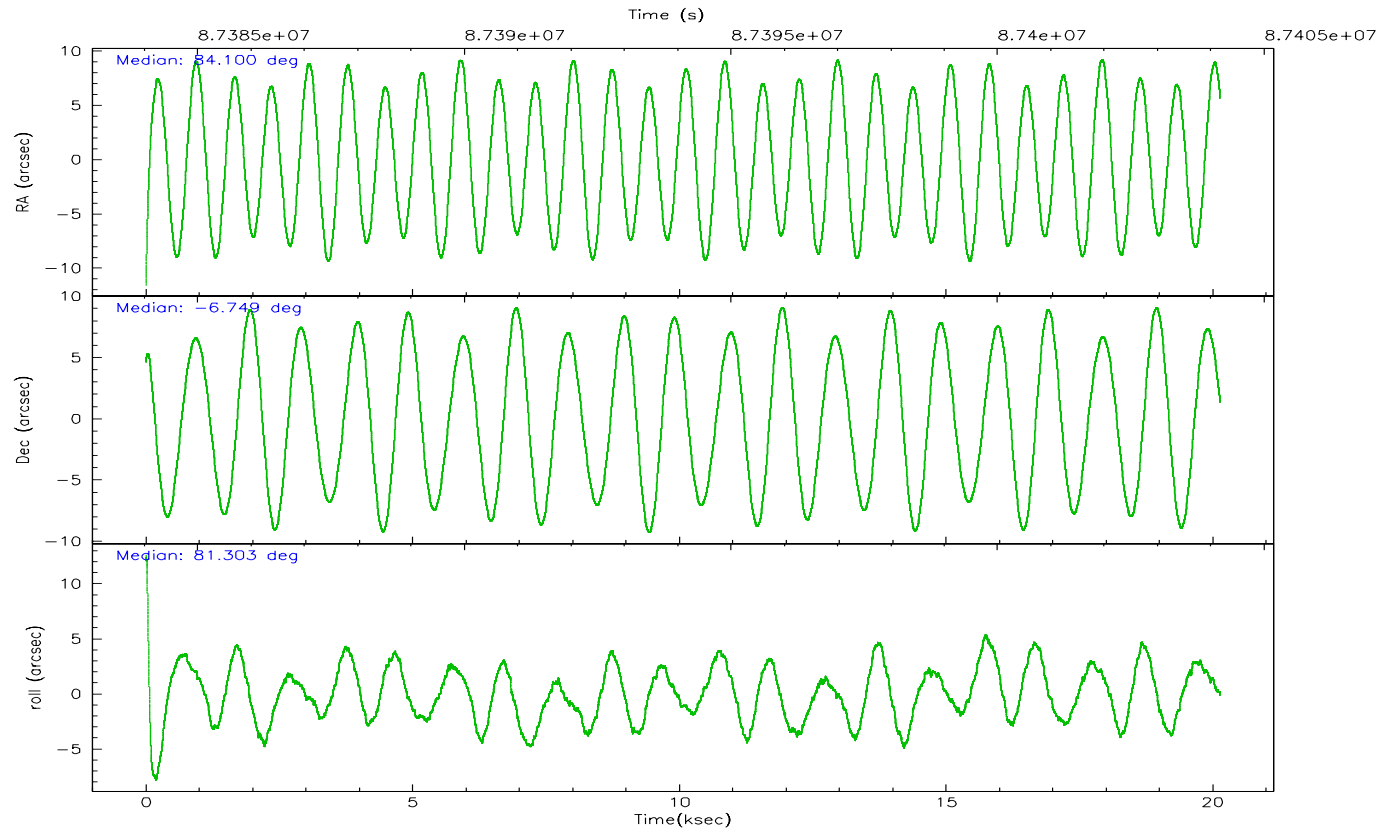
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	5480	5660	12882	6583	6142	8618
	4%	4%	7%	5%	4%	5%
grade 1 events	53	71	185	66	125	88
	0%	0%	0%	0%	0%	0%
grade 2 events	2738	2487	23427	2819	12262	5822
	2%	2%	13%	2%	8%	3%
grade 3 events	1318	1273	3591	1469	5684	3012
	1%	1%	2%	1%	3%	1%
grade 4 events	1212	1243	3388	1365	5613	2813
	1%	1%	1%	1%	3%	1%
grade 5 events	4023	4268	12800	4790	13933	6076
	3%	3%	7%	4%	9%	4%
grade 6 events	2248	2264	38376	2606	32366	7307
	1%	1%	22%	2%	21%	4%
grade 7 events	102659	97090	75801	99111	71676	117121
	85%	84%	44%	83%	48%	77%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	84.110180	84.09999891567495	Subarray requested	NONE	NONE
Pointing Dec	-6.774205	-6.748788656268658	Alternating exposures requested	N	N
Pointing Roll	81.157481	81.31292734898305	Primary exposure time	3.200000	3.2
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	87384174.184000	87383104.148137			
Observation start date	2000-10-08T09:21:50	2000-10-08T09:05:04			
Observation end time	87404174.184000	87404519.47394501			
Observation end date	2000-10-08T14:55:10	2000-10-08T15:01:59			
Read mode	TIMED	TIMED			

## 2.3 Aspect



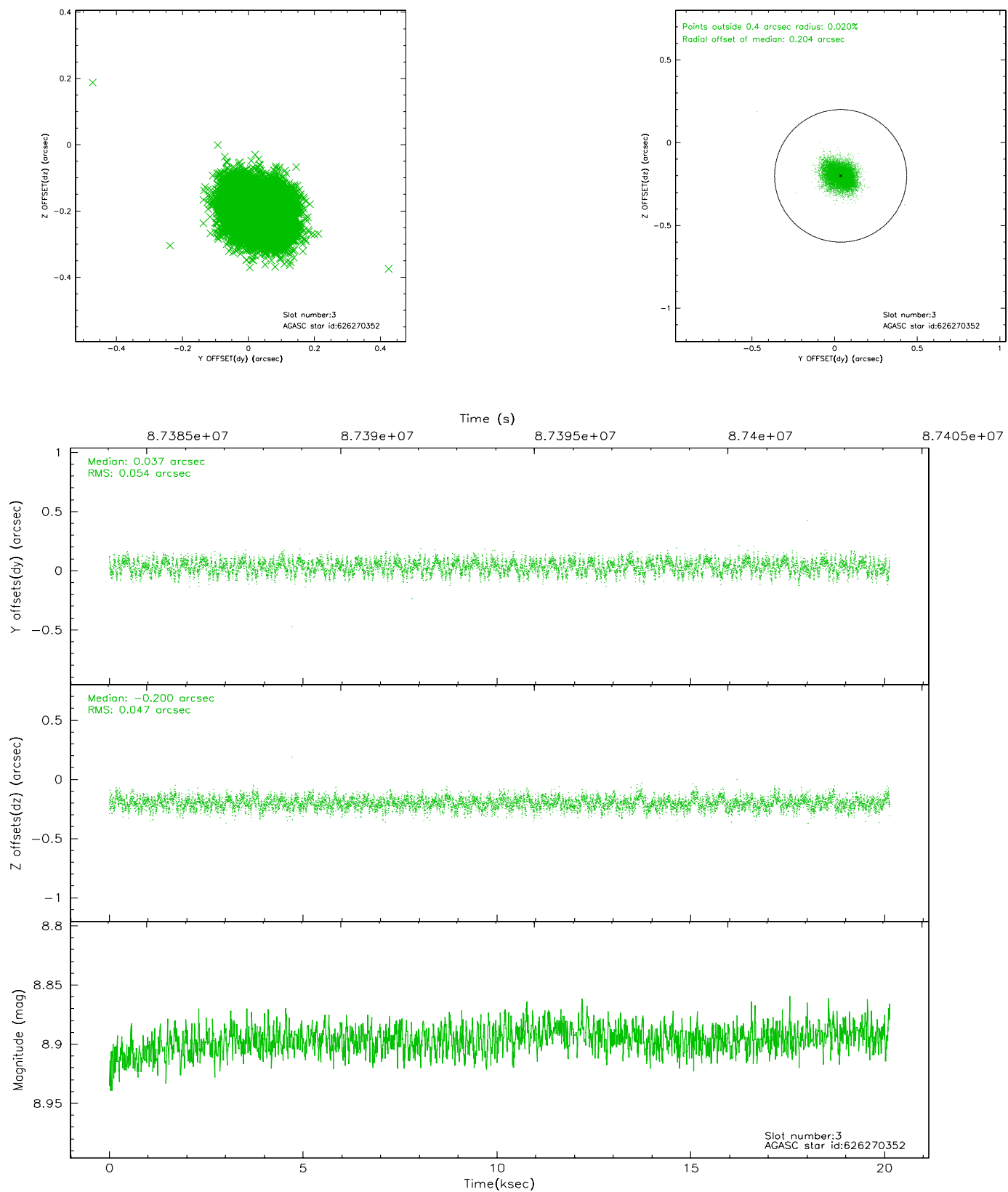


### Slot Statistics

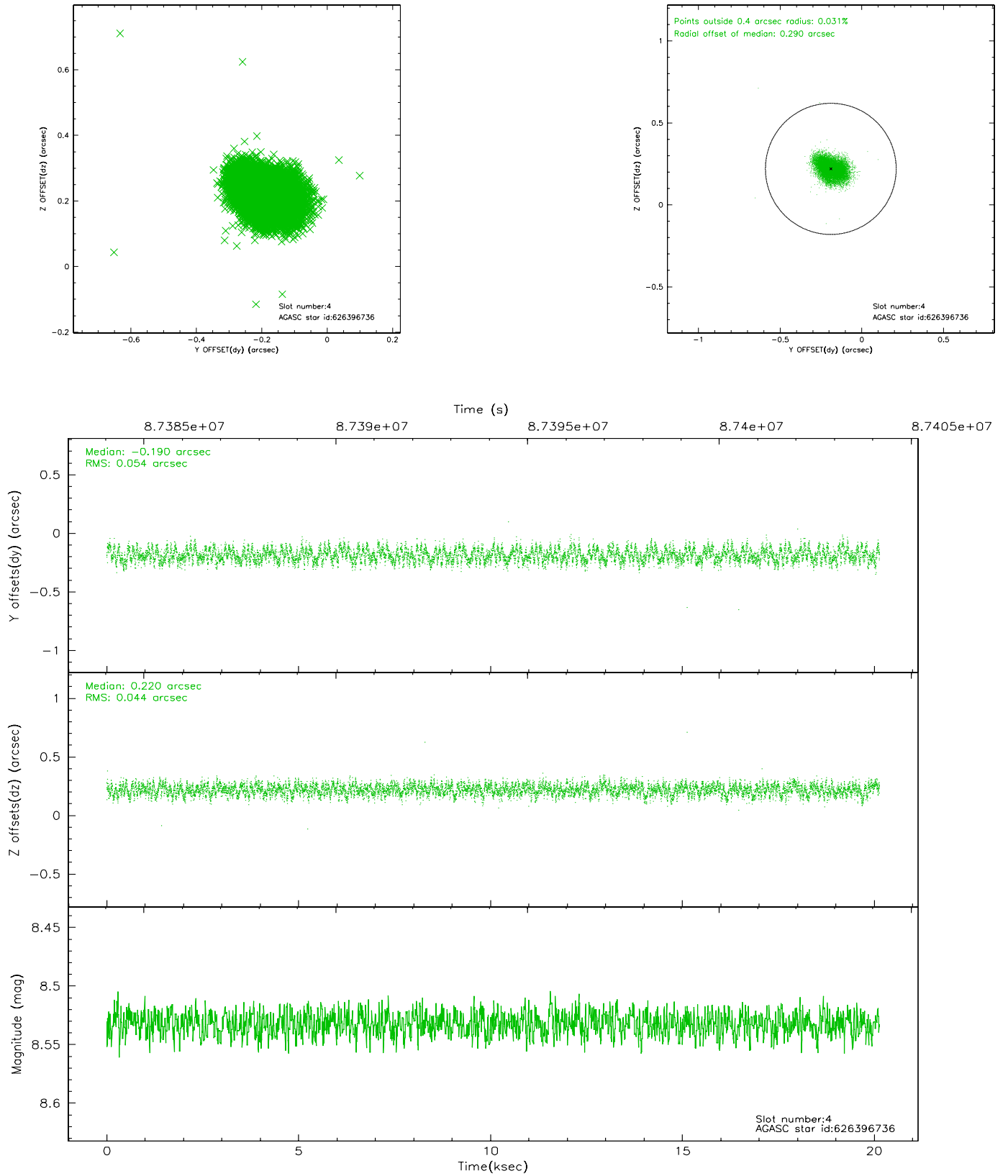
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	4914	-0.037	0.020	0.007	0.012	0.000000	0.000000	-754.63	-1726.51
1	FID	ACIS-S-4	7.20	4913	-0.044	0.012	0.005	0.009	0.000000	0.000000	2158.53	181.82
2	FID	ACIS-S-5	7.24	4913	0.050	-0.023	0.007	0.011	0.000000	0.000000	-1807.18	175.60
3	GUIDE	626270352	8.90	9821	0.037	-0.200	0.077	0.122	83.522796	-6.838095	-551.54	2039.46
4	GUIDE	626396736	8.53	9825	-0.190	0.220	0.074	0.116	84.507196	-6.393921	1570.55	-1191.74
5	GUIDE	626398472	8.77	9803	0.095	0.050	0.065	0.106	84.461806	-6.722087	378.73	-1212.71
6	GUIDE	626394112	9.44	9826	0.072	0.229	0.110	0.169	84.642698	-7.400609	-1936.59	-2224.92
7	GUIDE	626268800	9.90	9823	-0.012	-0.296	0.150	0.243	83.467166	-6.615641	208.53	2359.86

## 2.4 Star Slots

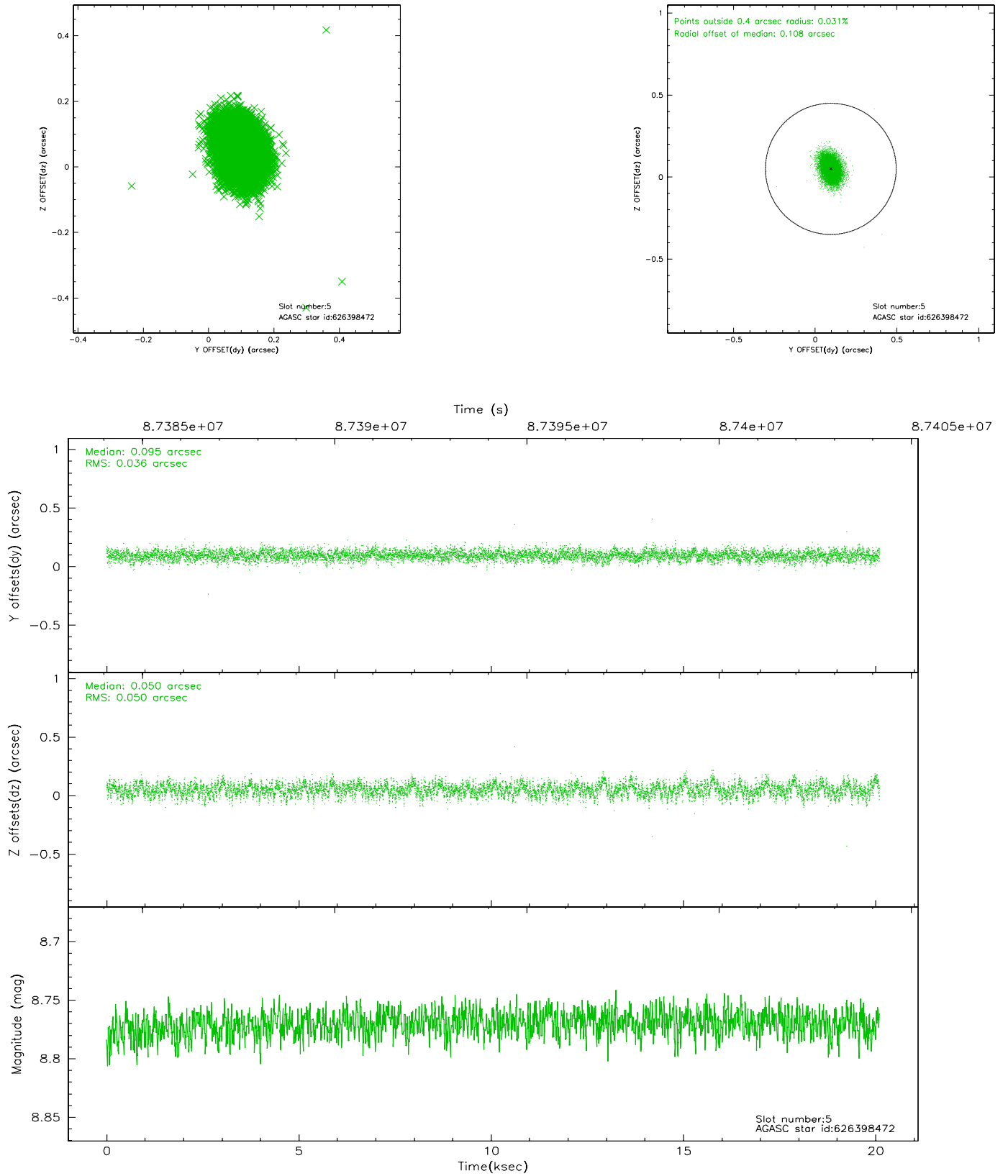
### 2.4.1 Slot 3



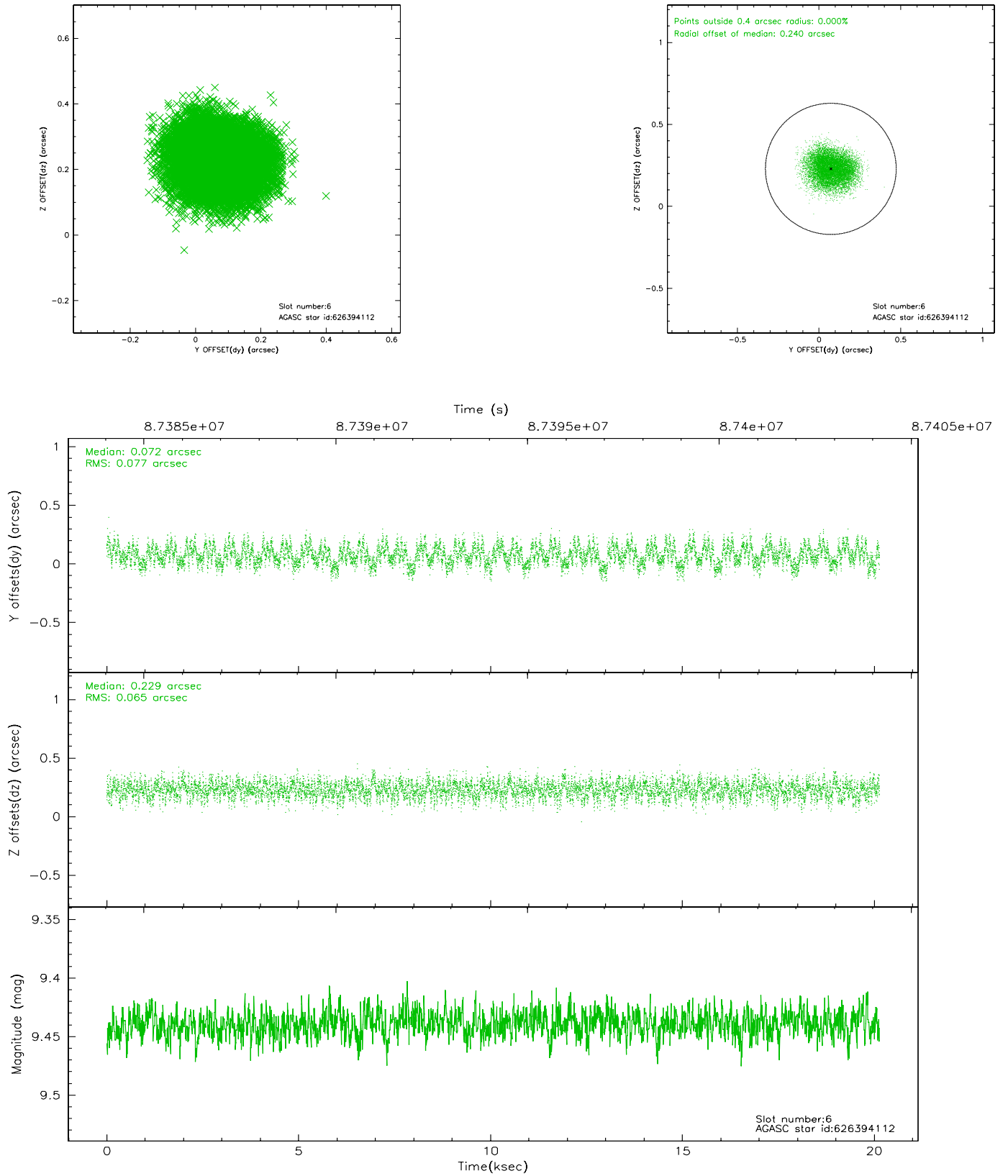
## 2.4.2 Slot 4



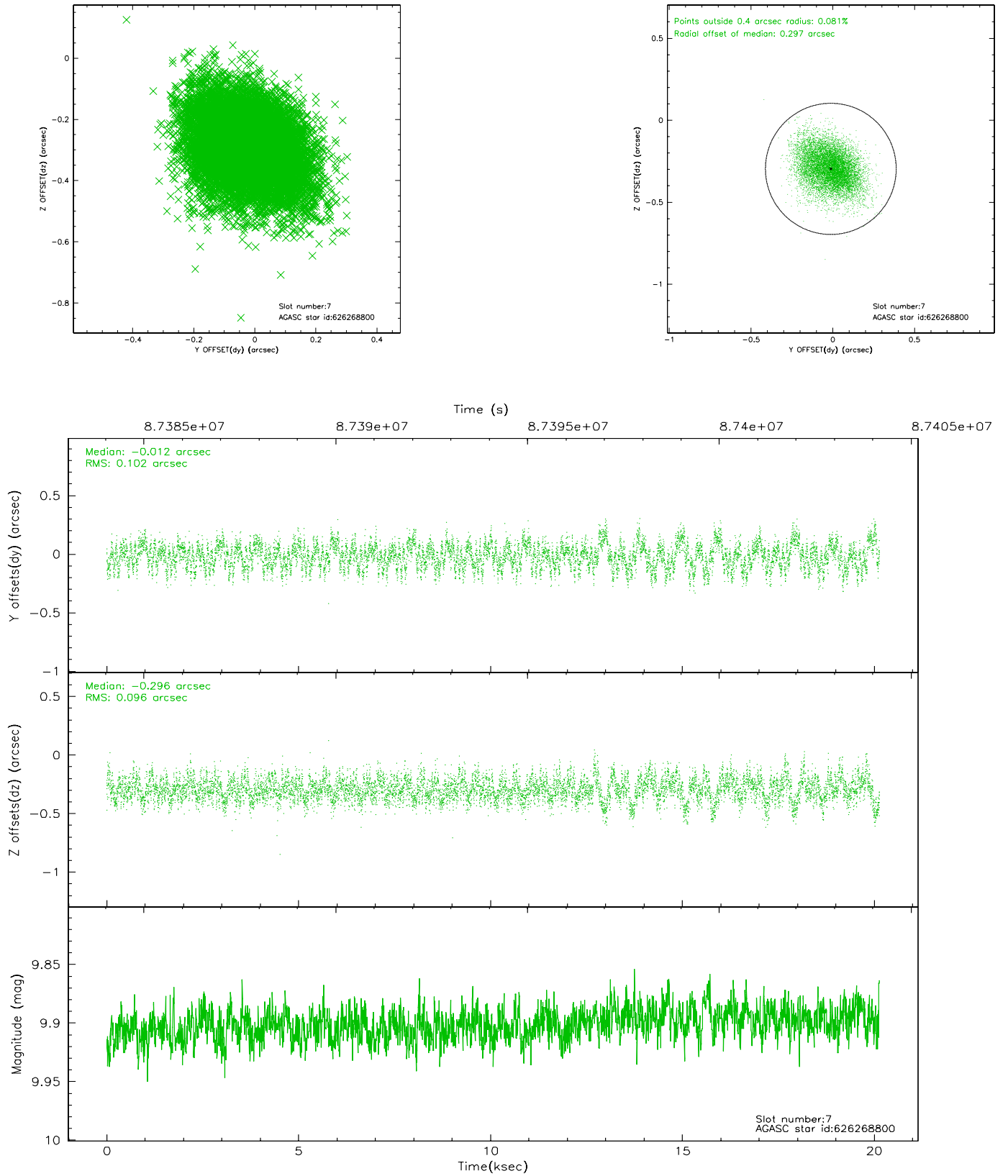
### 2.4.3 Slot 5



## 2.4.4 Slot 6

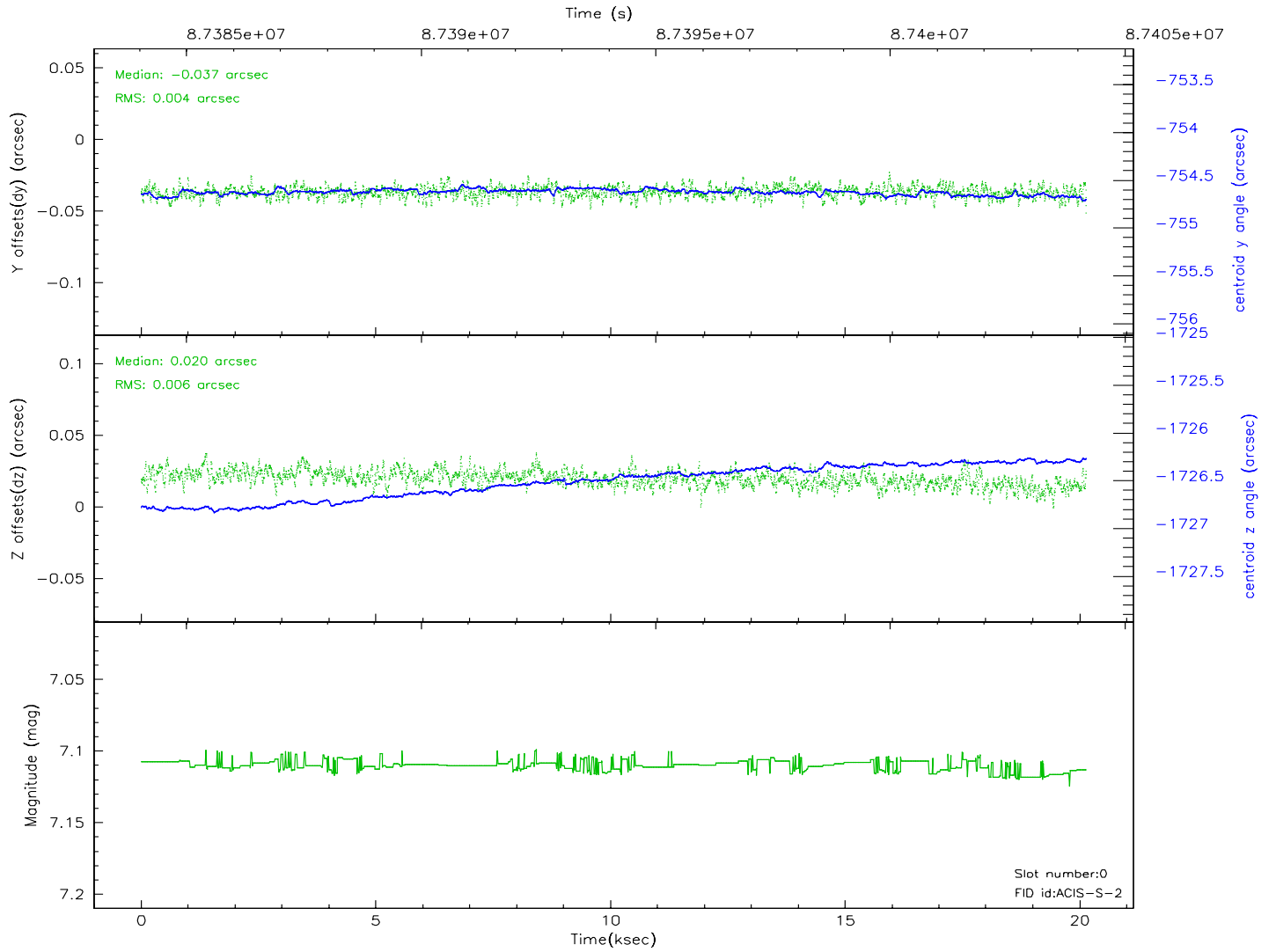
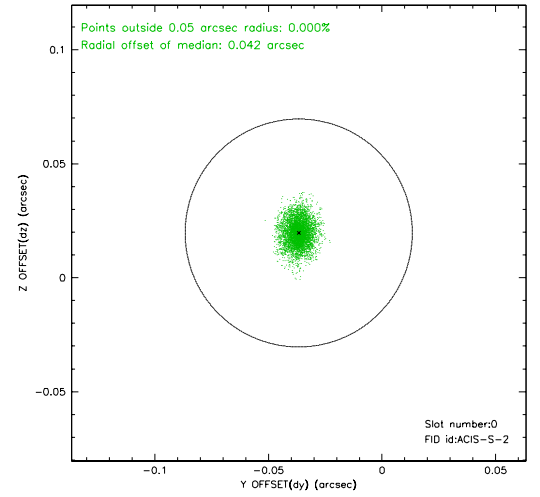
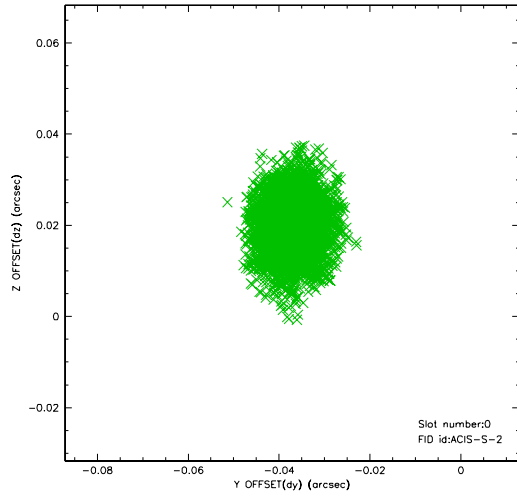


## 2.4.5 Slot 7

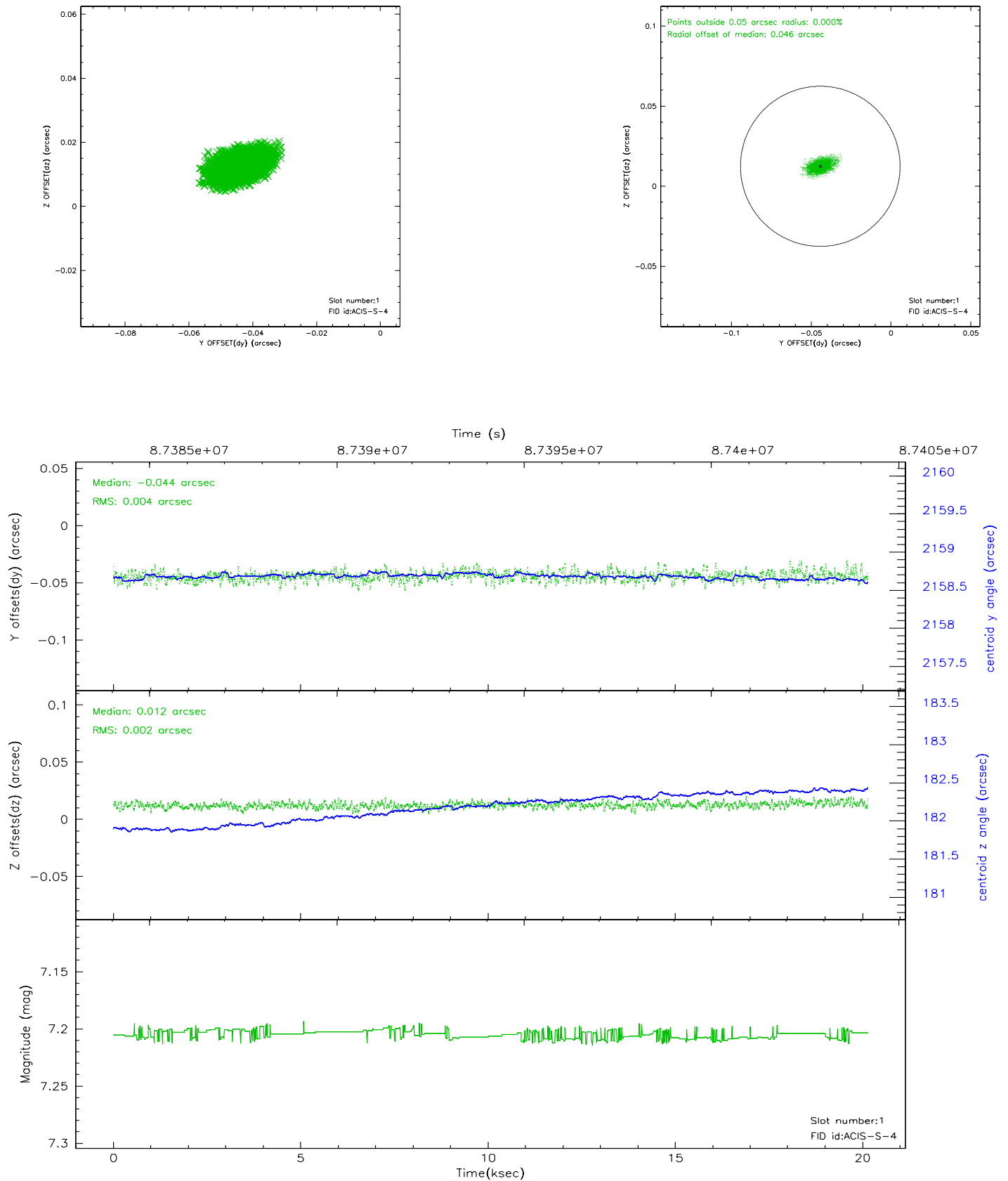


## 2.5 FID Slots

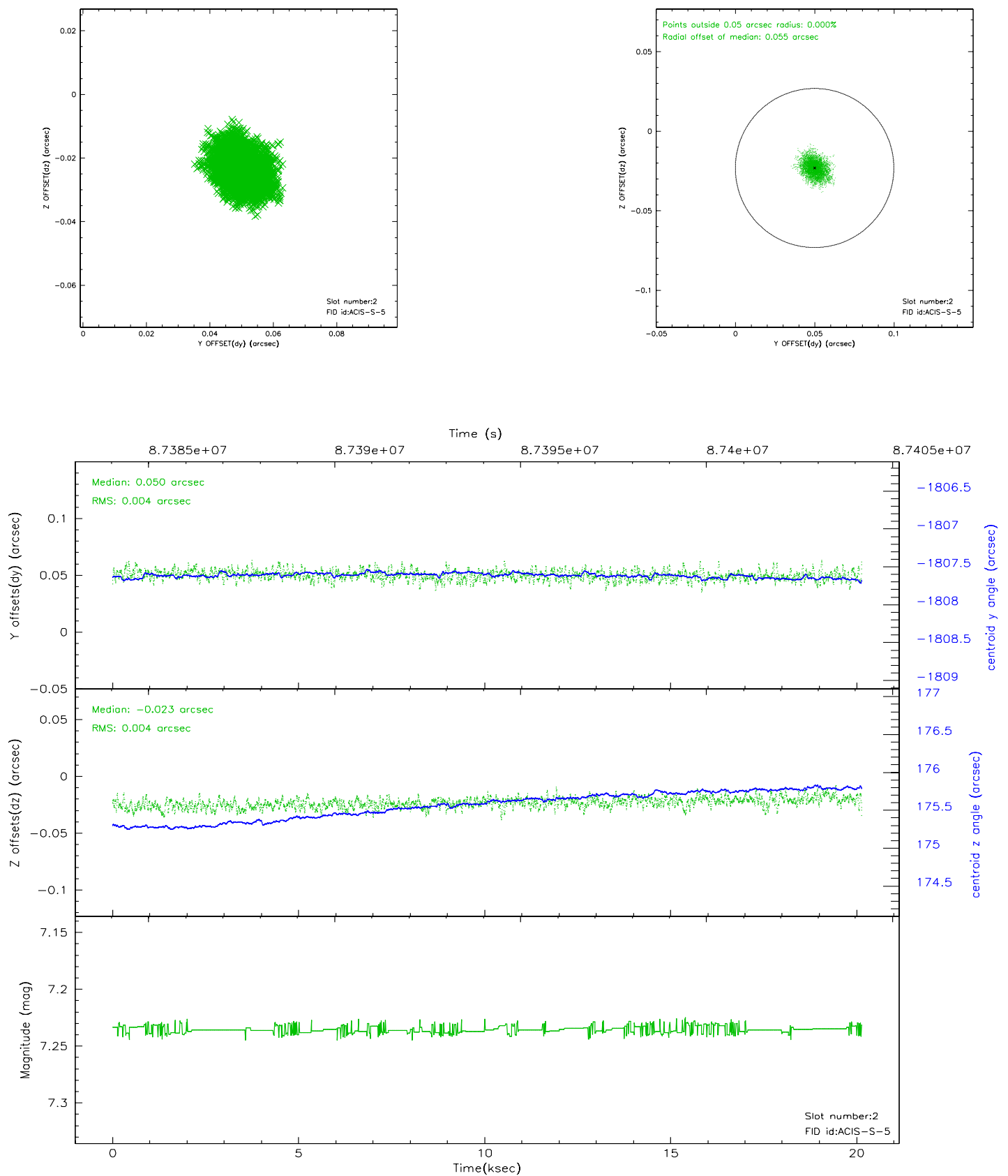
### 2.5.1 Slot 0



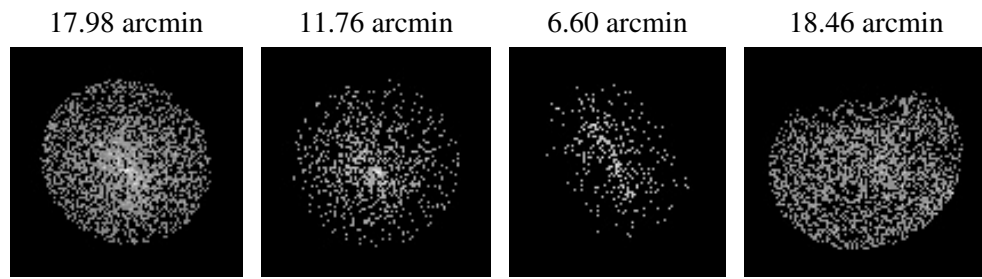
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.76

### A.2 Comments