

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 743 - L2 Version 001  
Chandra X-Ray Center

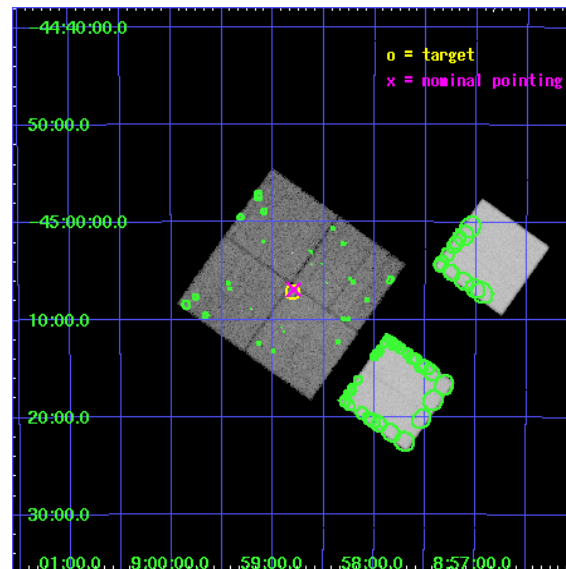
L2 Processing Date : Jun 8 2007

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# 1 Front

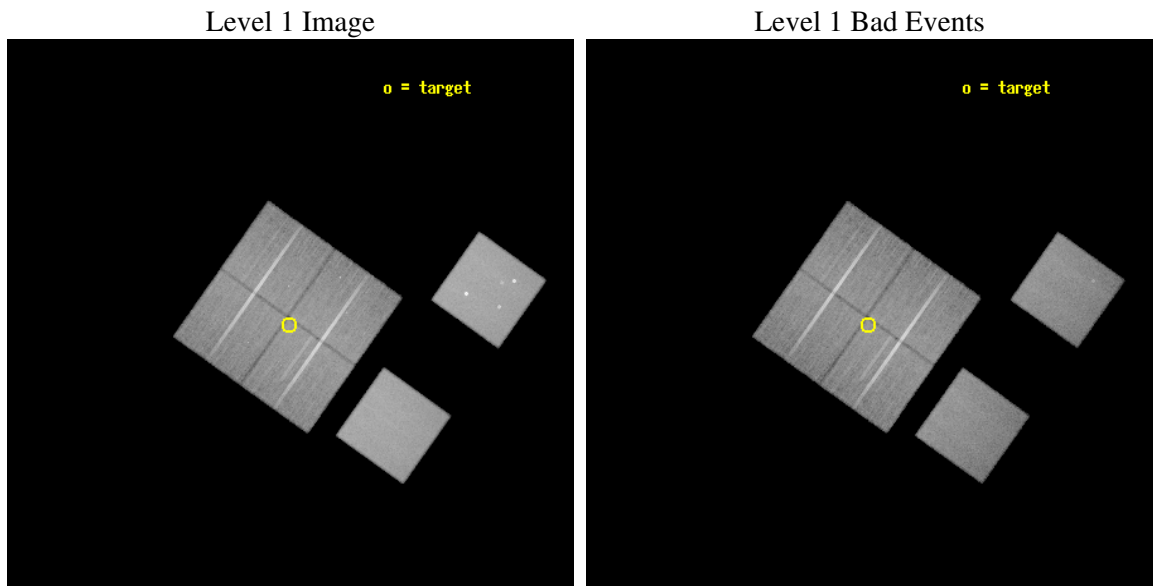
seq_num	500039
obs_id	743
title	POSSIBLE EXPLOSION FRAGMENTS IN THE VELA SUPERNOVA REMNANT
observer	Dr. Paul Plucinsky
object	VELA BUL. D WAKE N
dtcycle	0
cycle	P
ra_targ	134.7
dec_targ	-45.12
ra_nom	134.69852076233
dec_nom	-45.115222317648
roll_nom	125.40968435529
revision	2
ontime	53120.000049472
livetime	52447.362623821
ontime0	53120.000049472
ontime1	53120.000049472
ontime2	53120.000049472
ontime3	53120.000049472
ontime5	53116.75909923
ontime7	53120.000049472
l2events	546475



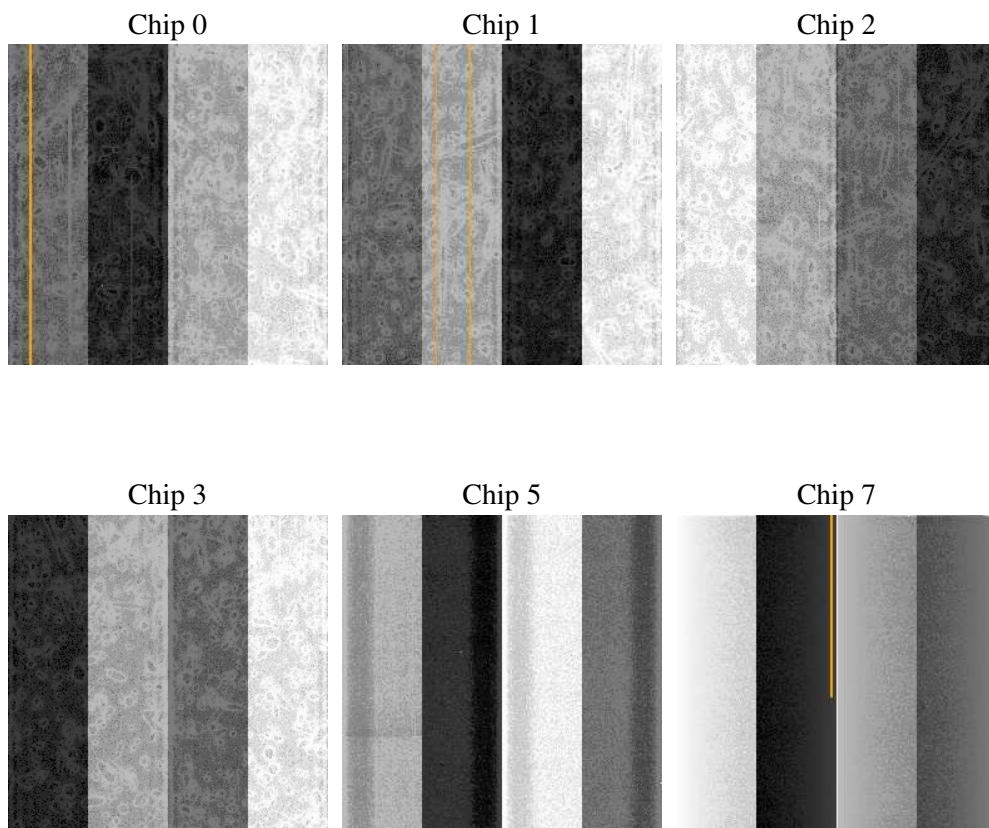
## 2 OBI

### 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	2007-06-08T11:44:44
revision	2

sched_exp_time	53000.000000
ontime	53120.000049472
ontime0	53120.000049472
ontime1	53120.000049472
ontime2	53120.000049472
ontime3	53120.000049472
ontime5	53116.75909923
ontime7	53120.000049472
l1events	2065513

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	291592	277462	301175	311894	454695	428695
rejected events	255656	240637	263327	271267	226424	220832
rejected %	87%	86%	87%	86%	49%	51%

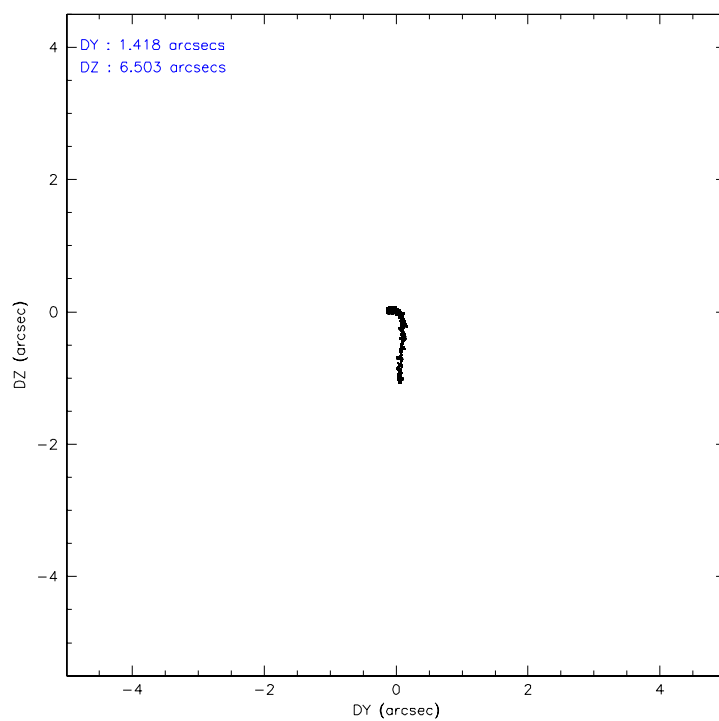
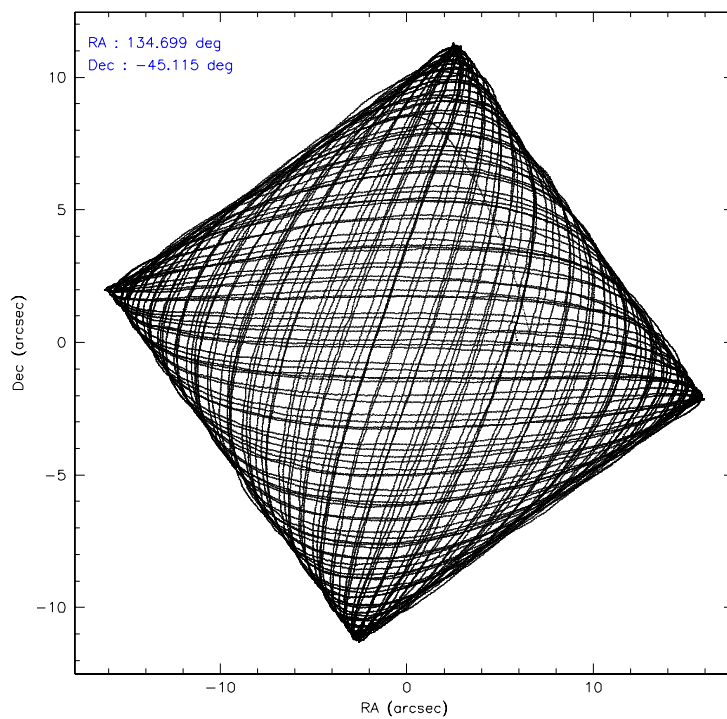
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
grade 0 events	15527	15630	18336	21145	35470	31697
	5%	5%	6%	6%	7%	7%
grade 1 events	127	140	142	176	466	370
	0%	0%	0%	0%	0%	0%
grade 2 events	7463	7009	7328	6893	64624	41494
	2%	2%	2%	2%	14%	9%
grade 3 events	3508	3823	3322	3370	10749	18950
	1%	1%	1%	1%	2%	4%
grade 4 events	3242	3734	3245	3267	10301	19135
	1%	1%	1%	1%	2%	4%
grade 5 events	10818	11167	9834	11016	32102	36692
	3%	4%	3%	3%	7%	8%
grade 6 events	6204	6634	5620	5960	107153	96608
	2%	2%	1%	1%	23%	22%
grade 7 events	244703	229325	253348	260067	193830	183749
	83%	82%	84%	83%	42%	42%

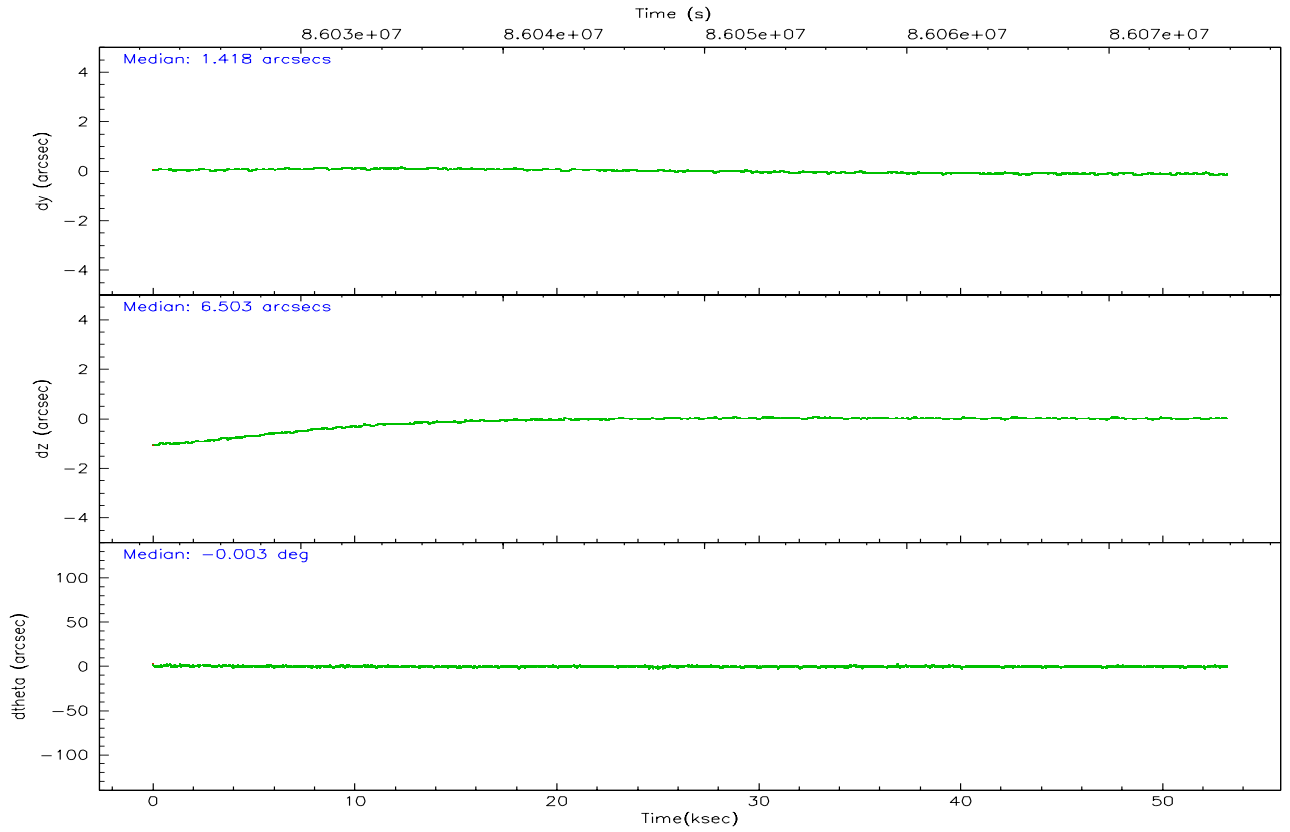
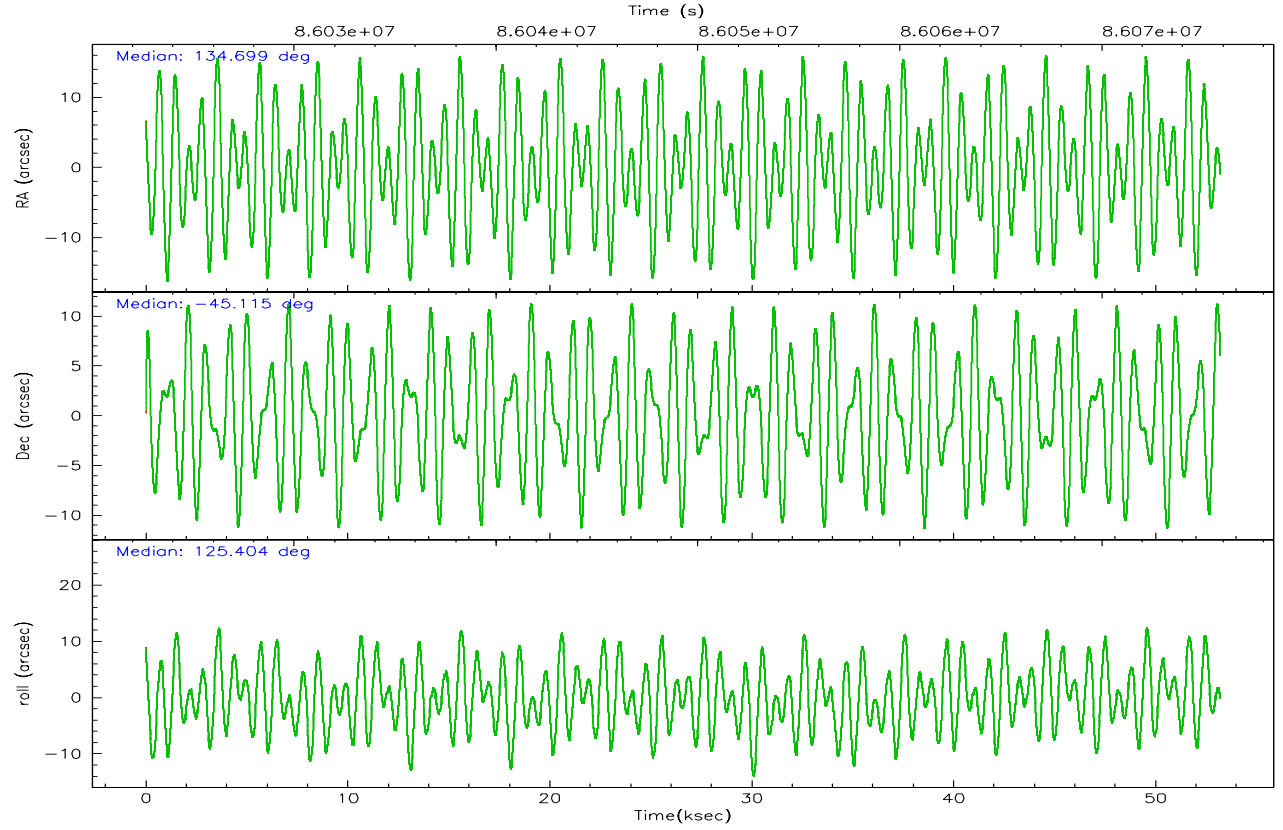


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012357	ACIS-012357	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	134.733942	134.6985207623318	Subarray requested	NONE	NONE
Pointing Dec	-45.126752	-45.11522231764754	Alternating exposures requested	N	N
Pointing Roll	125.226098	125.4096843552875	Primary exposure time	3.200000	3.2
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	86022866.184000	86021822.09680501			
Observation start date	2000-09-22T15:13:22	2000-09-22T14:57:02			
Observation end time	86075866.184000	86076000.011344			
Observation end date	2000-09-23T05:56:42	2000-09-23T06:00:00			
Read mode	TIMED	TIMED			

## 2.3 Aspect



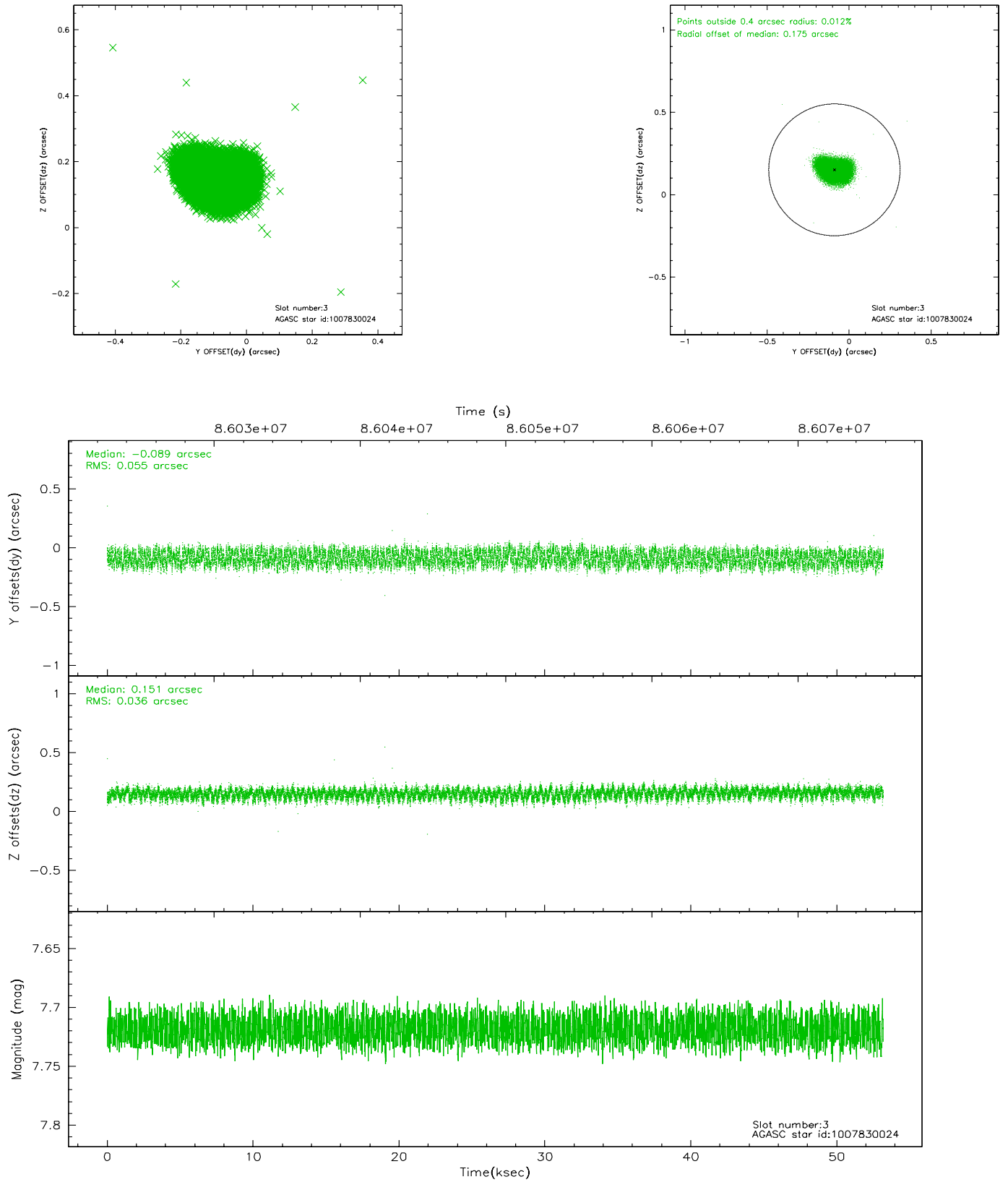


### Slot Statistics

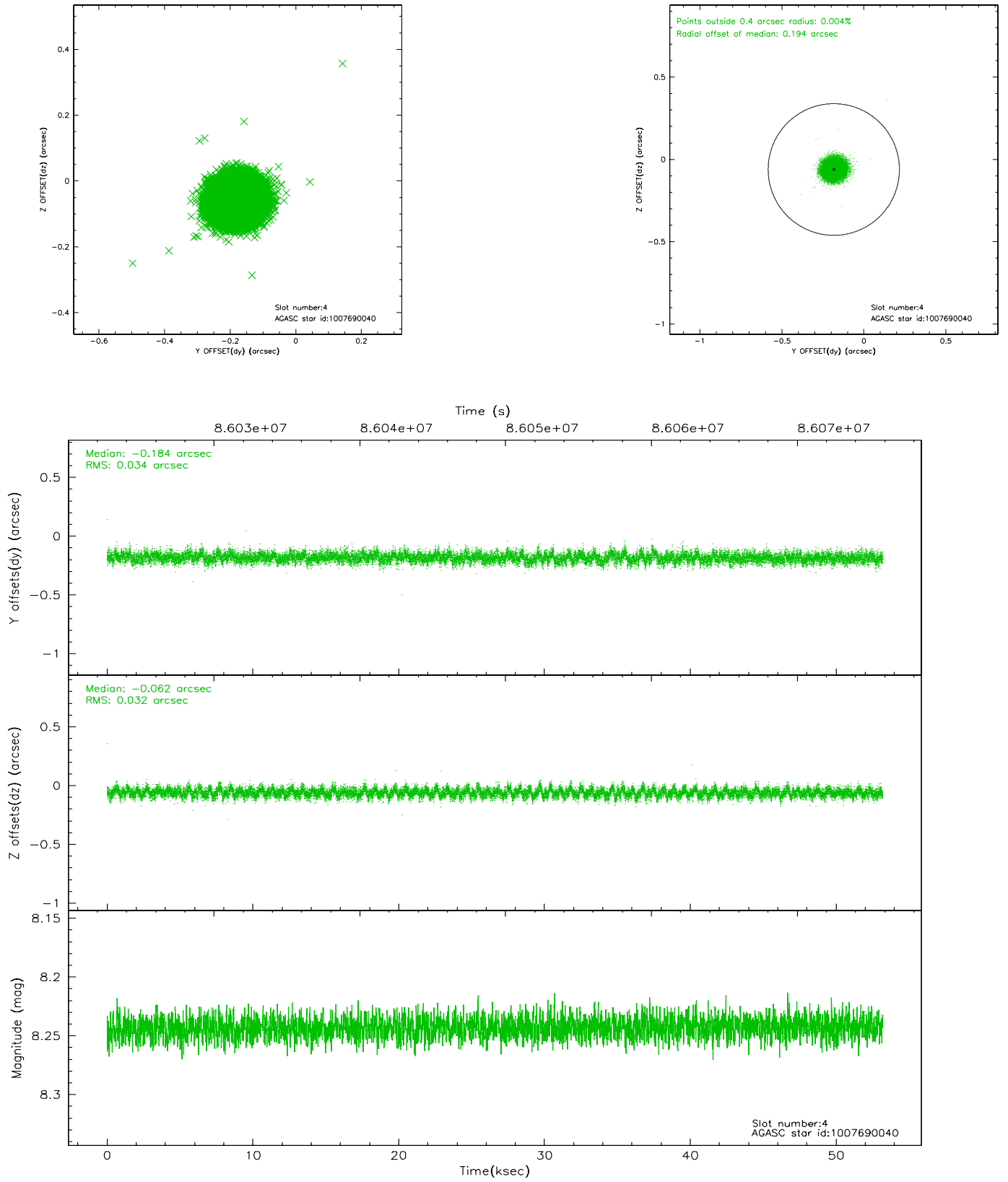
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	12973	-0.029	-0.046	0.010	0.022	0.000000	0.000000	-755.77	-836.15
1	FID	ACIS-I-4	7.18	12968	-0.090	0.037	0.008	0.015	0.000000	0.000000	2158.22	1070.14
2	FID	ACIS-I-5	7.23	12972	0.018	0.077	0.011	0.021	0.000000	0.000000	-1809.60	1067.97
3	GUIDE	1007830024	7.72	25945	-0.089	0.151	0.072	0.107	135.009679	-44.412956	1689.36	-2059.91
4	GUIDE	1007690040	8.24	25932	-0.184	-0.062	0.050	0.080	134.059089	-44.719643	2186.95	569.60
5	GUIDE	1070210456	9.05	25941	0.113	0.054	0.072	0.117	135.144108	-45.194483	-801.18	-707.29
6	GUIDE	1068500568	9.02	25944	0.031	-0.083	0.096	0.148	134.064239	-45.398671	170.94	1952.04
7	GUIDE	1068502936	9.47	25938	0.120	-0.062	0.100	0.163	134.895208	-45.748910	-2063.57	961.60

## 2.4 Star Slots

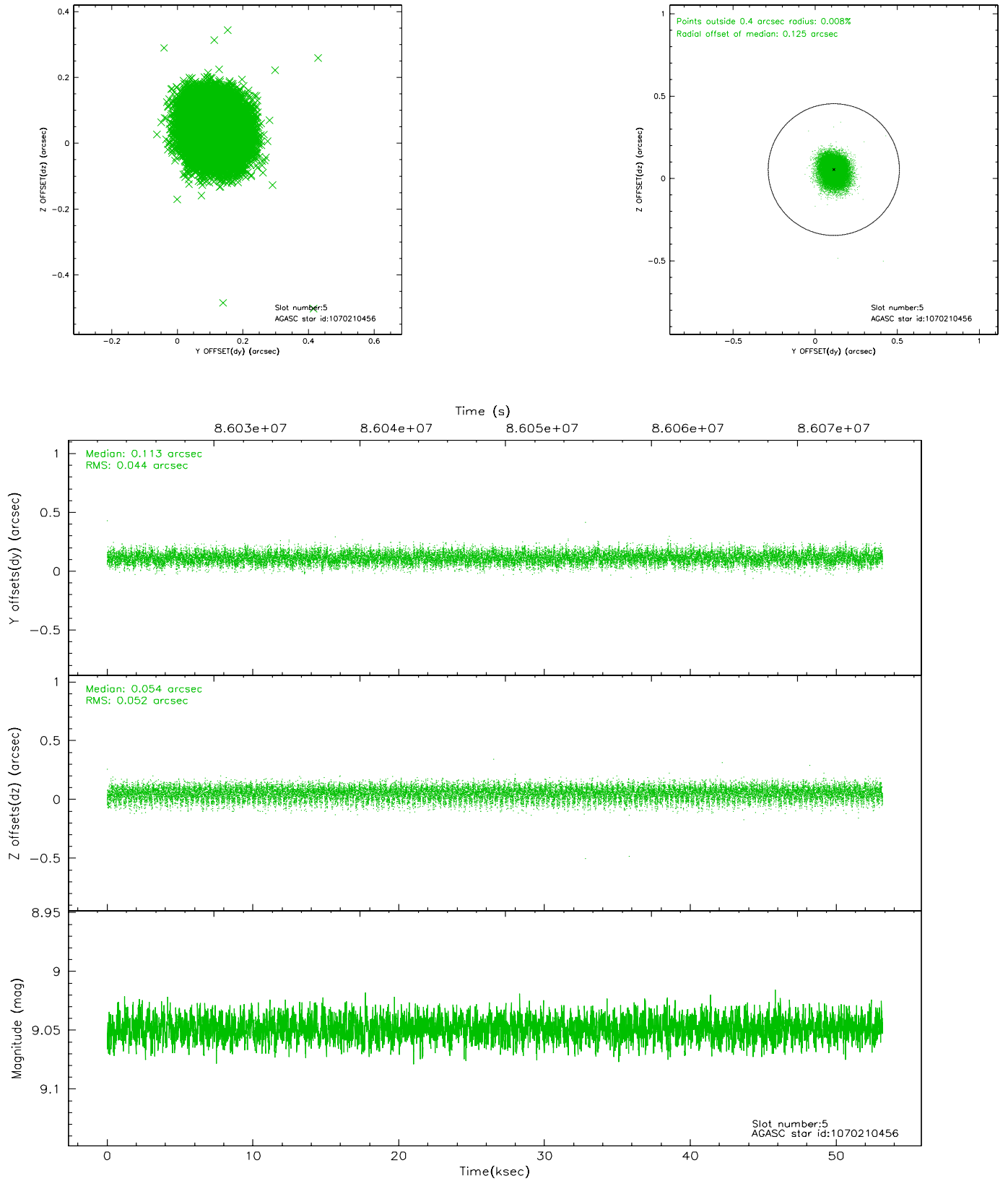
### 2.4.1 Slot 3



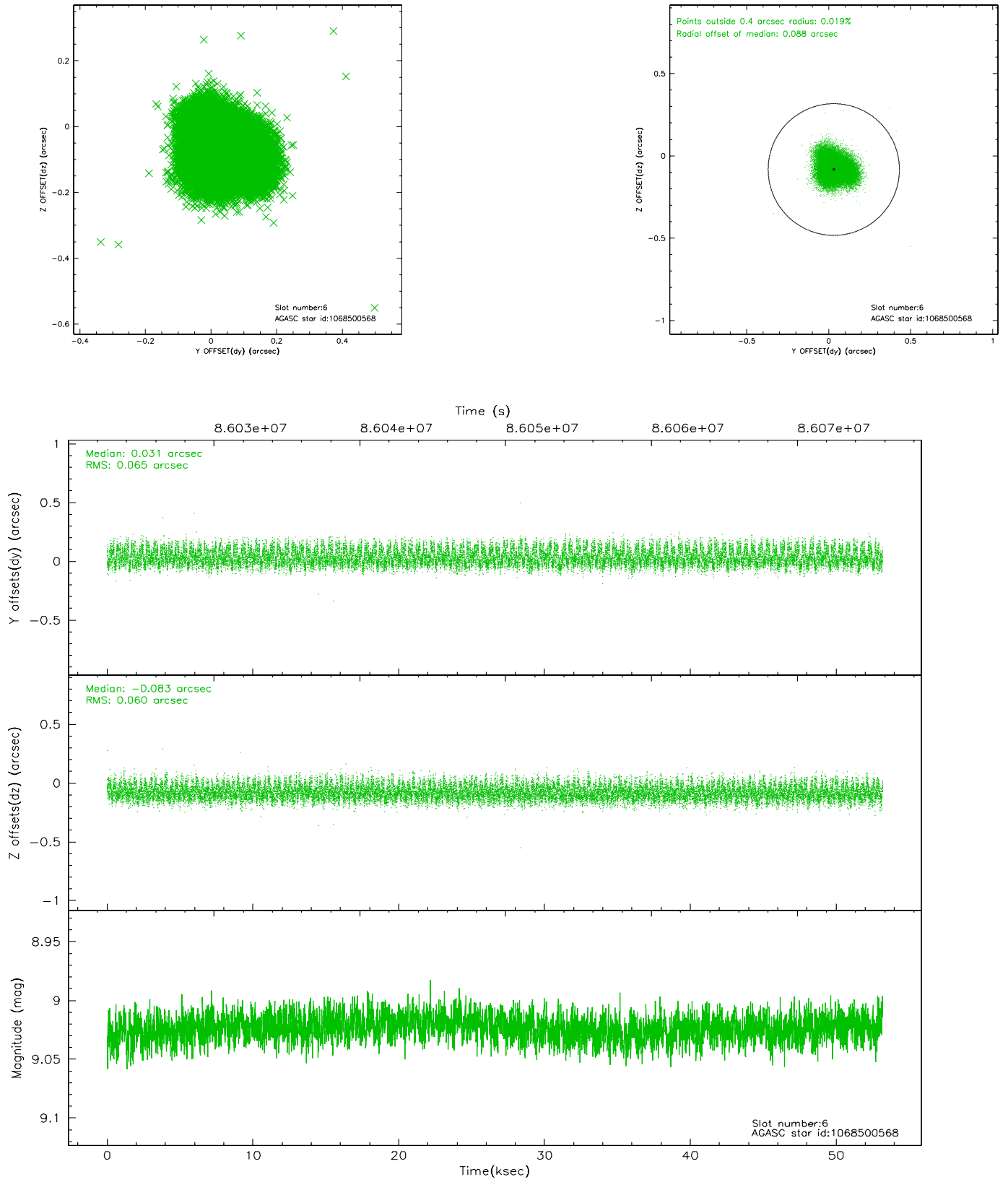
## 2.4.2 Slot 4



### 2.4.3 Slot 5

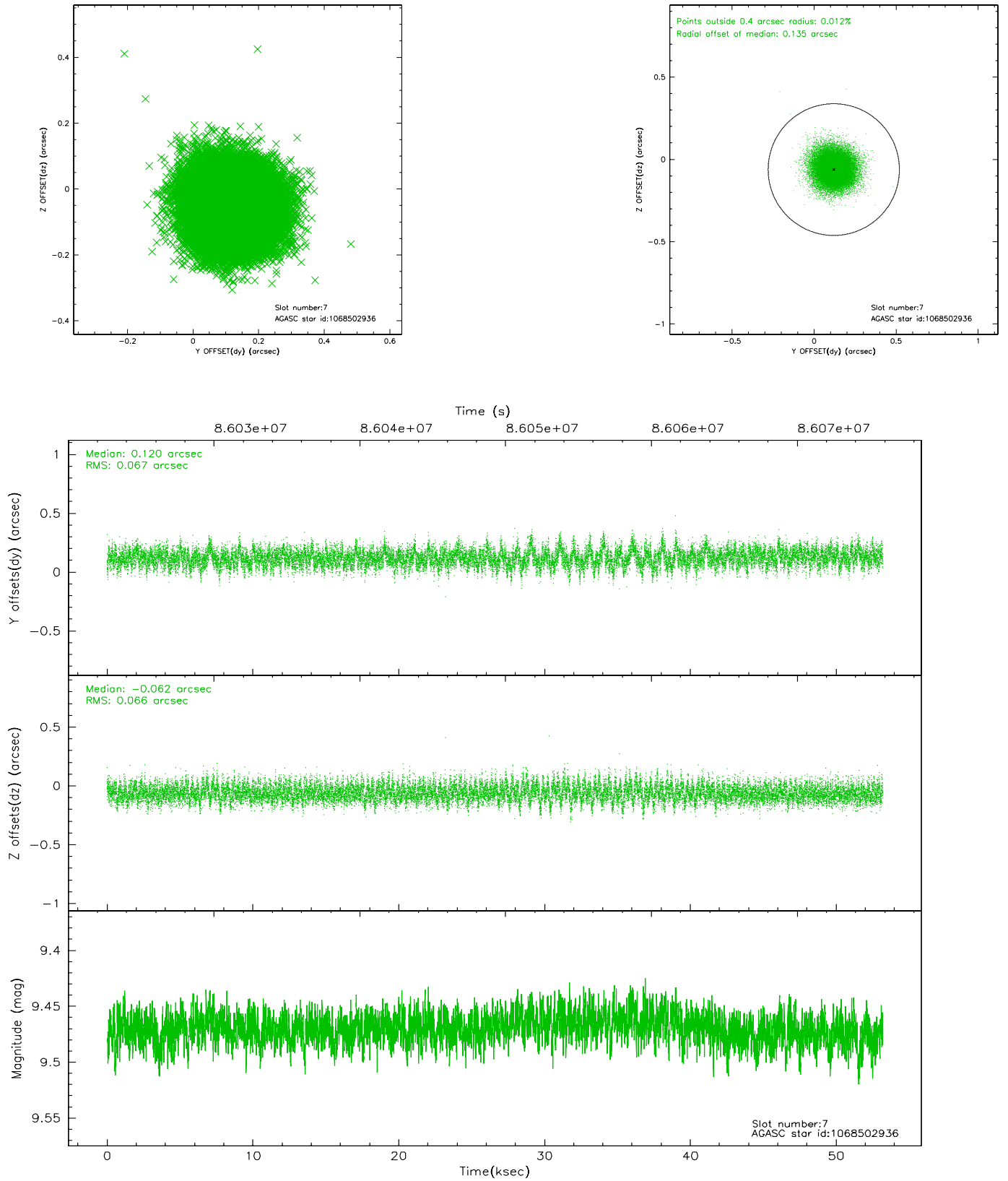


## 2.4.4 Slot 6



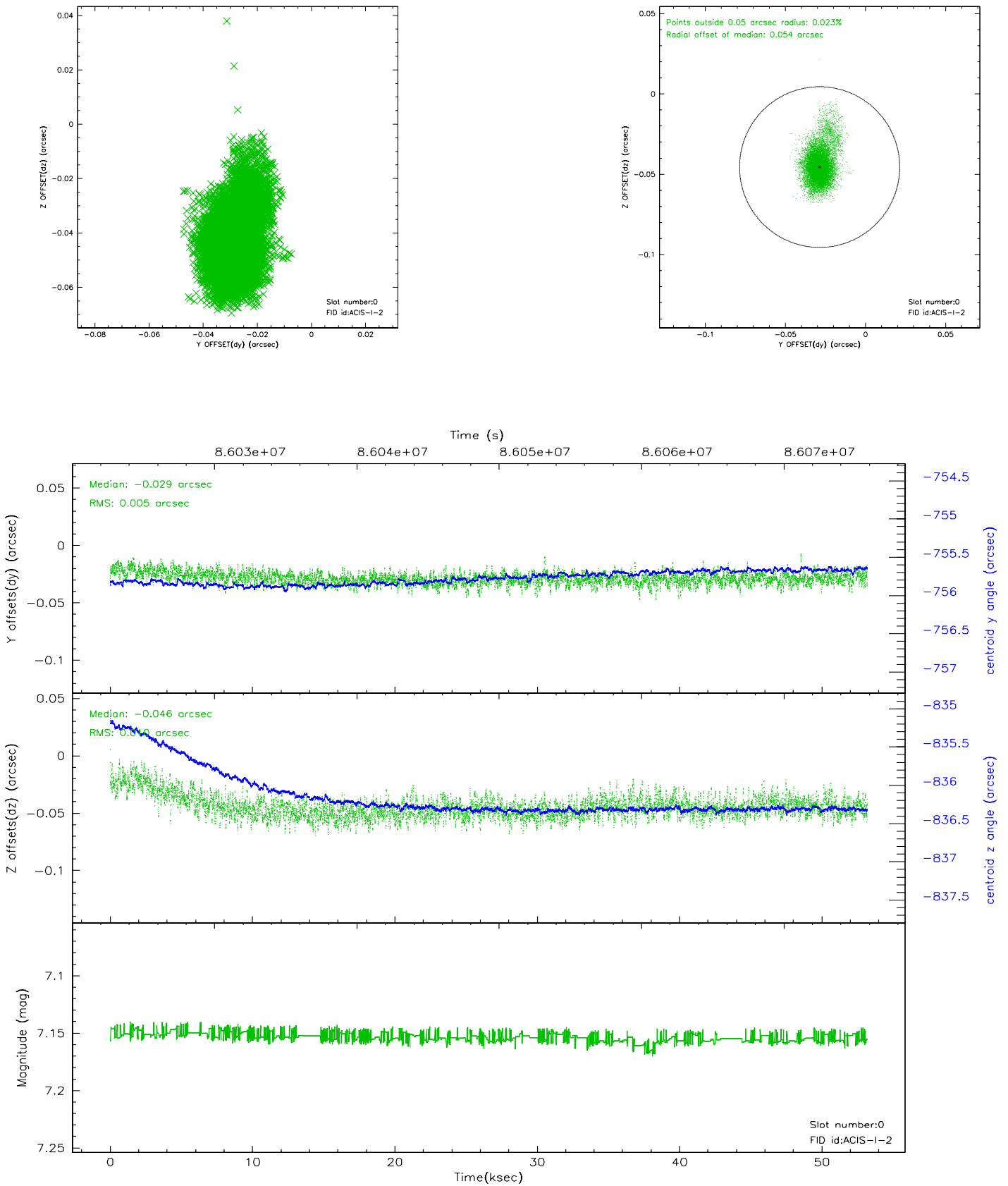


## 2.4.5 Slot 7

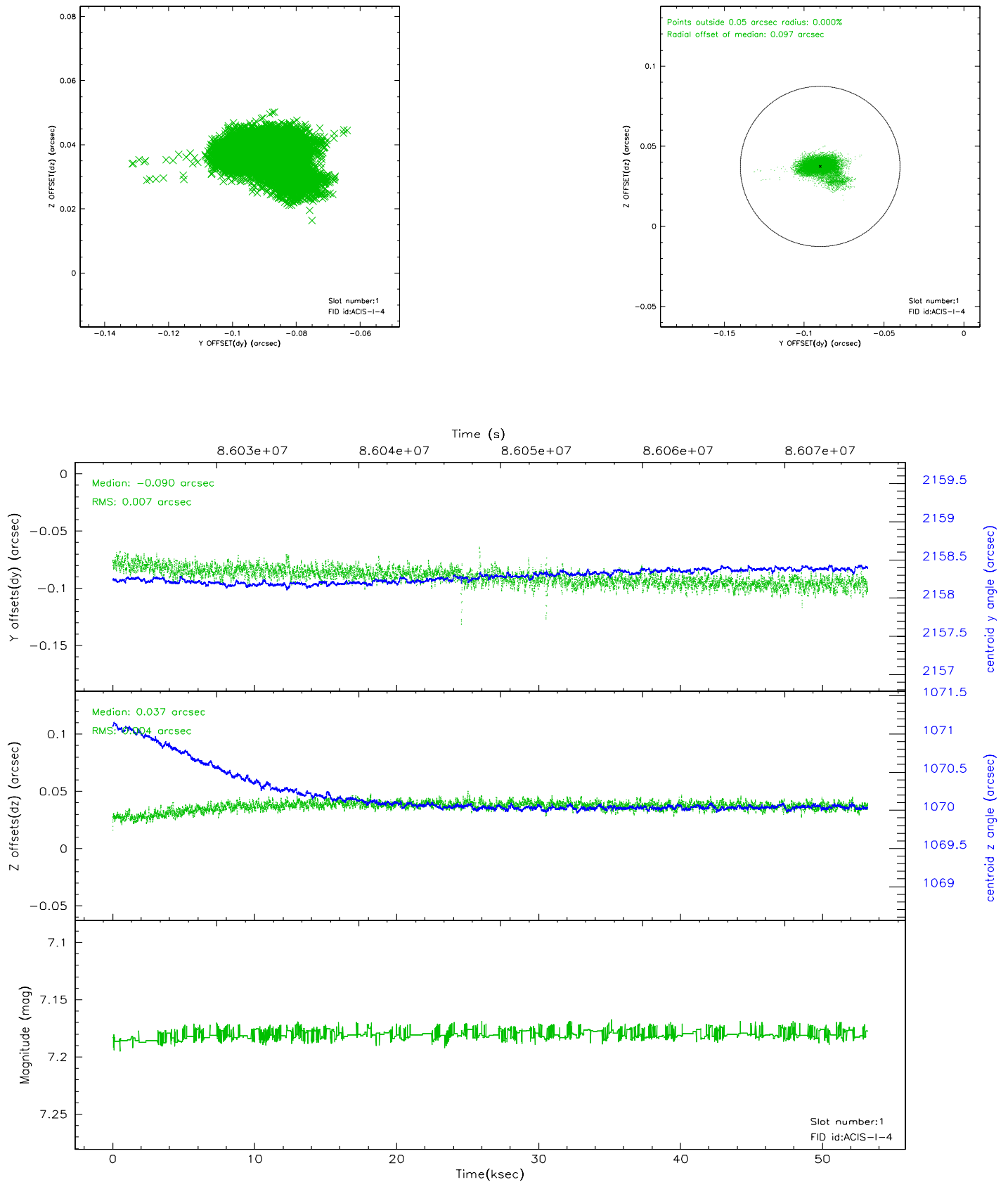


## 2.5 FID Slots

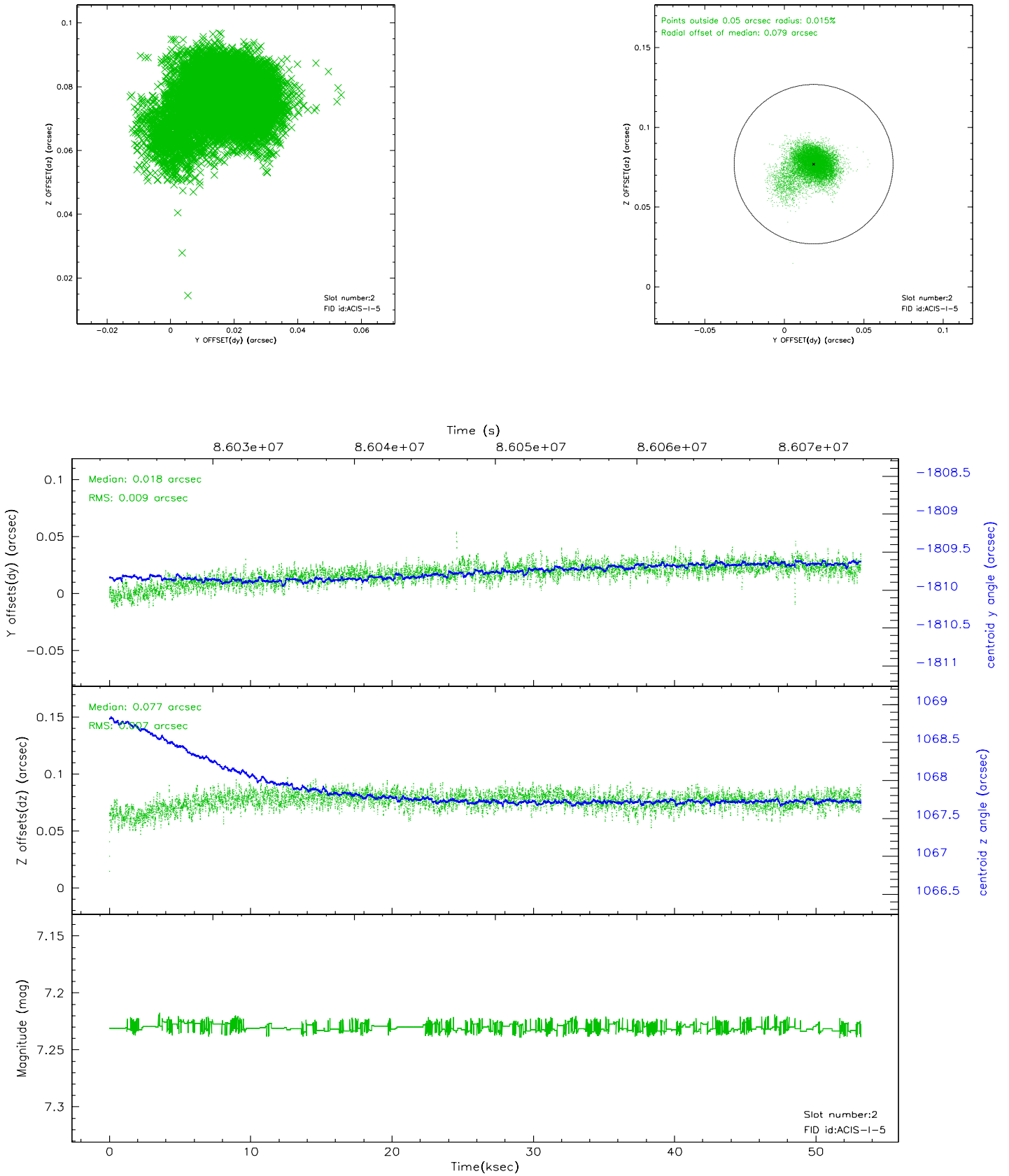
### 2.5.1 Slot 0



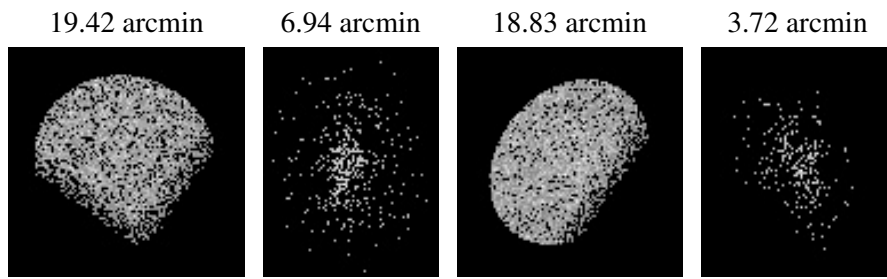
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.06.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	53.123

### A.2 Comments