

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 3501 - L2 Version 001  
Chandra X-Ray Center

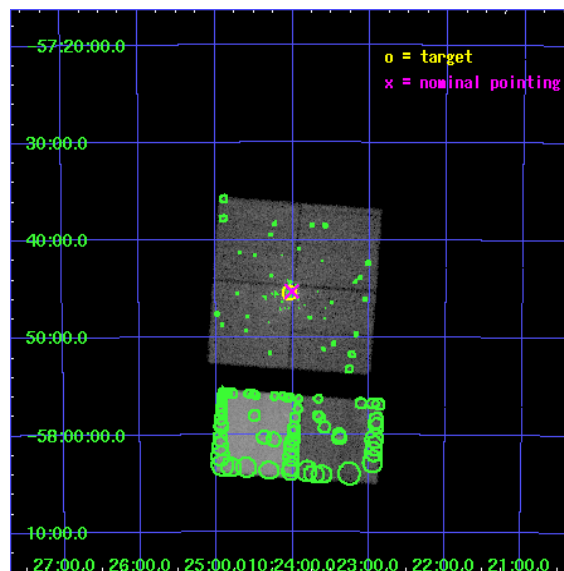
L2 Processing Date : Jul 7 2006

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# 1 Front

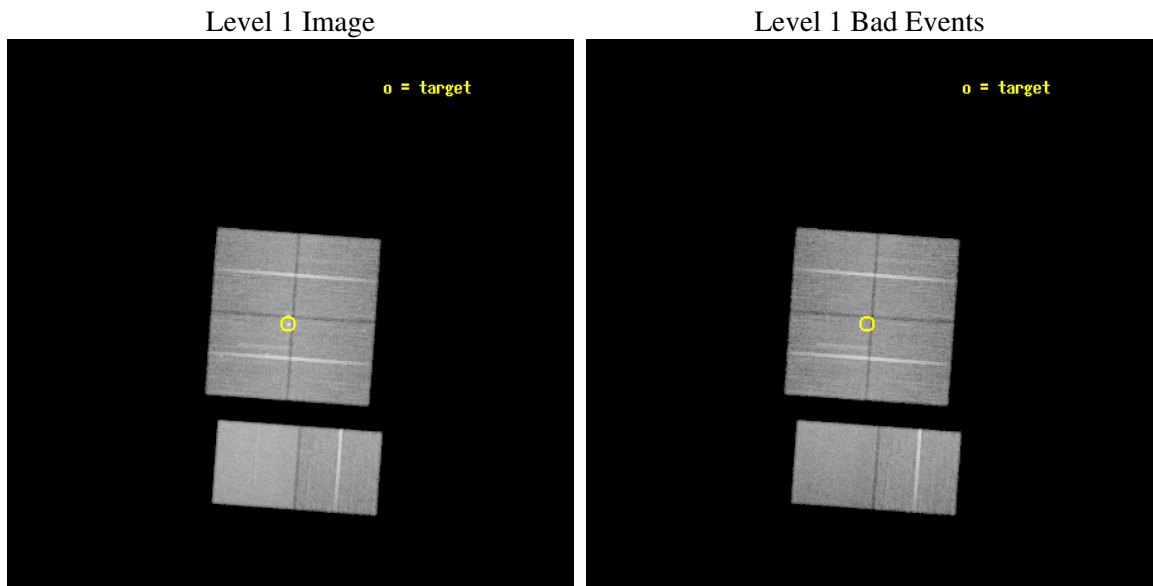
seq_num	200196
obs_id	3501
title	AN ACIS OBSERVATION OF THE MASSIVE STAR-FORMING REGION RCW 49
observer	Professor Gordon Garmire
object	RCW 49
dtcycle	0
cycle	P
ra_targ	156.010417
dec_targ	-57.756389
ra_nom	156.00223828722
dec_nom	-57.754902531322
roll_nom	184.18590850838
revision	2
ontime	36671.958923012
livetime	36207.596497926
ontime0	36668.717922837
ontime1	36671.958903104
ontime2	36675.199863374
ontime3	36671.958923012
ontime6	36671.958873212
ontime7	36675.199863374
l2events	274413



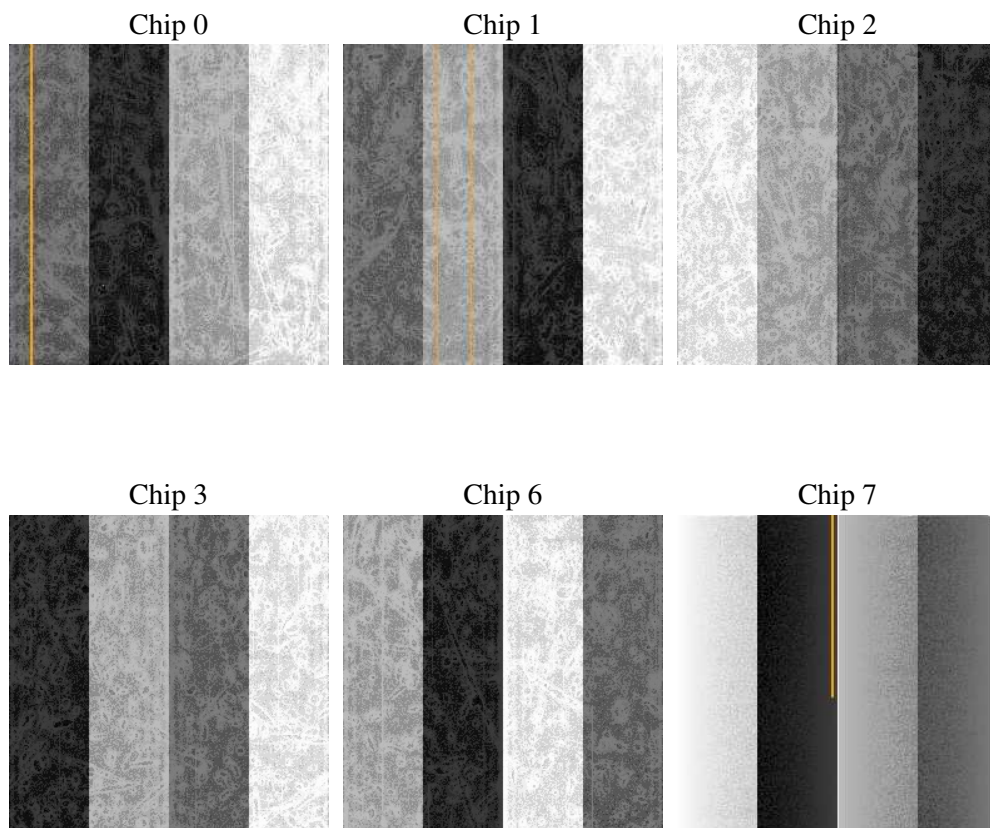
## 2 OBI

### 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	2006-07-07T14:01:30
revision	2

sched_exp_time	36500.000000
ontime	36795.081204325
ontime0	36791.840204149
ontime1	36795.081184417
ontime2	36798.322144687
ontime3	36795.081204325
ontime6	36795.081154525
ontime7	36798.322144687
l1events	1475376

### 2.1.4 Events

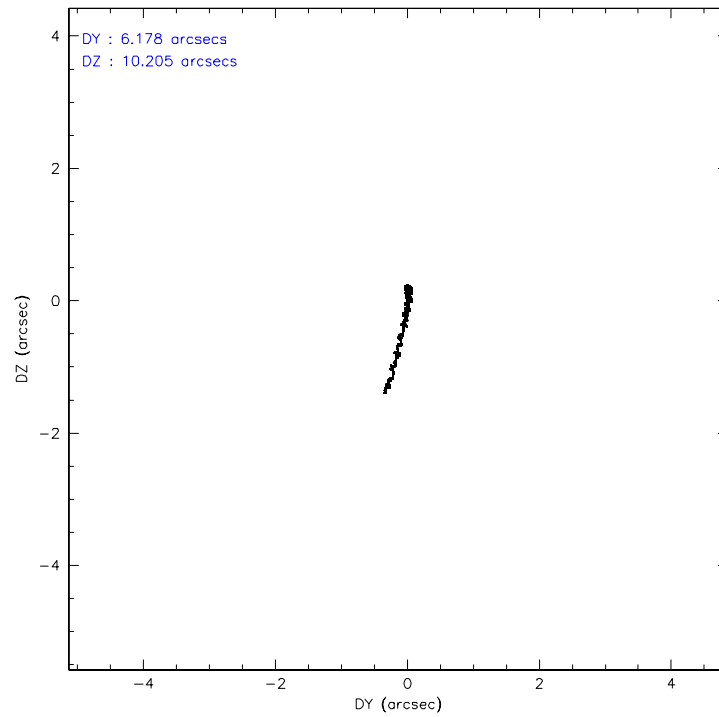
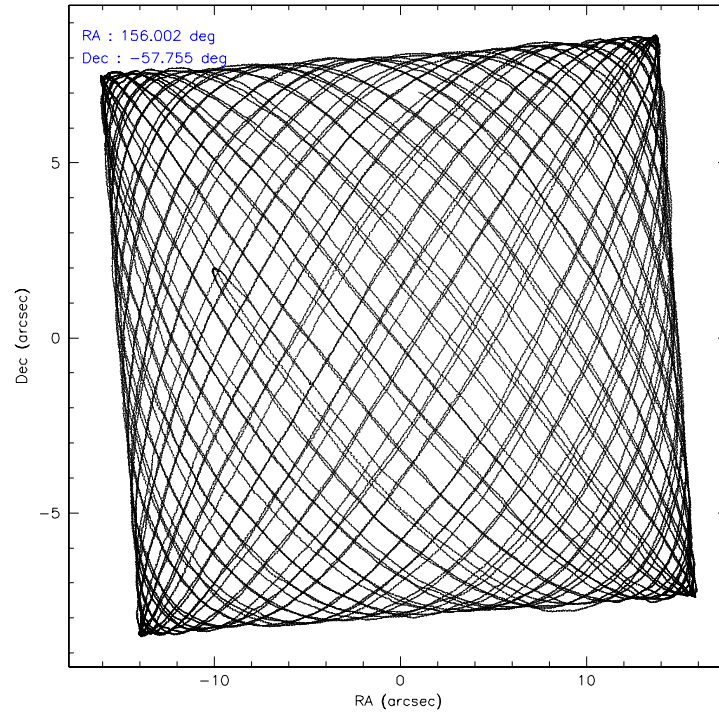
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	218293	216296	232145	238375	245007	325260
rejected events	187197	183054	198719	200290	213608	194506
rejected %	85%	84%	85%	84%	87%	59%

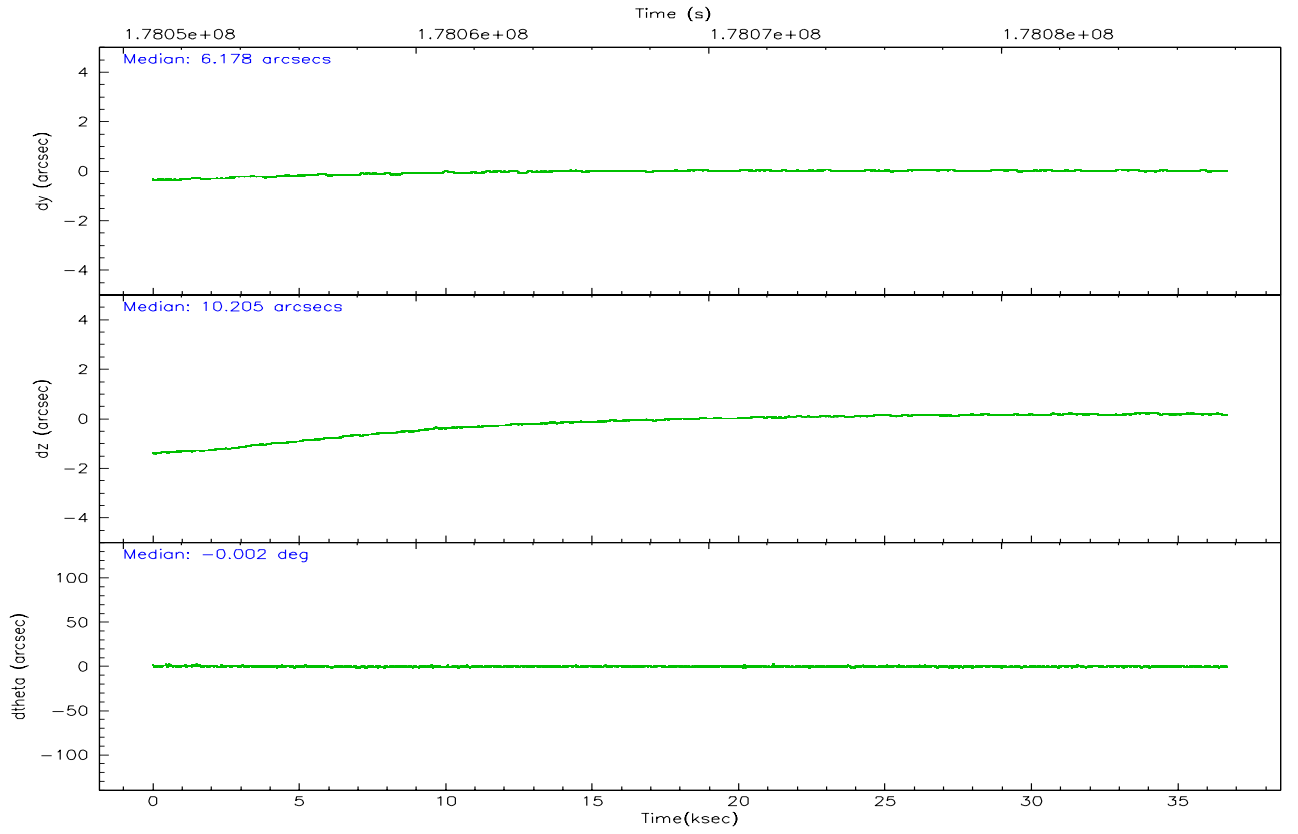
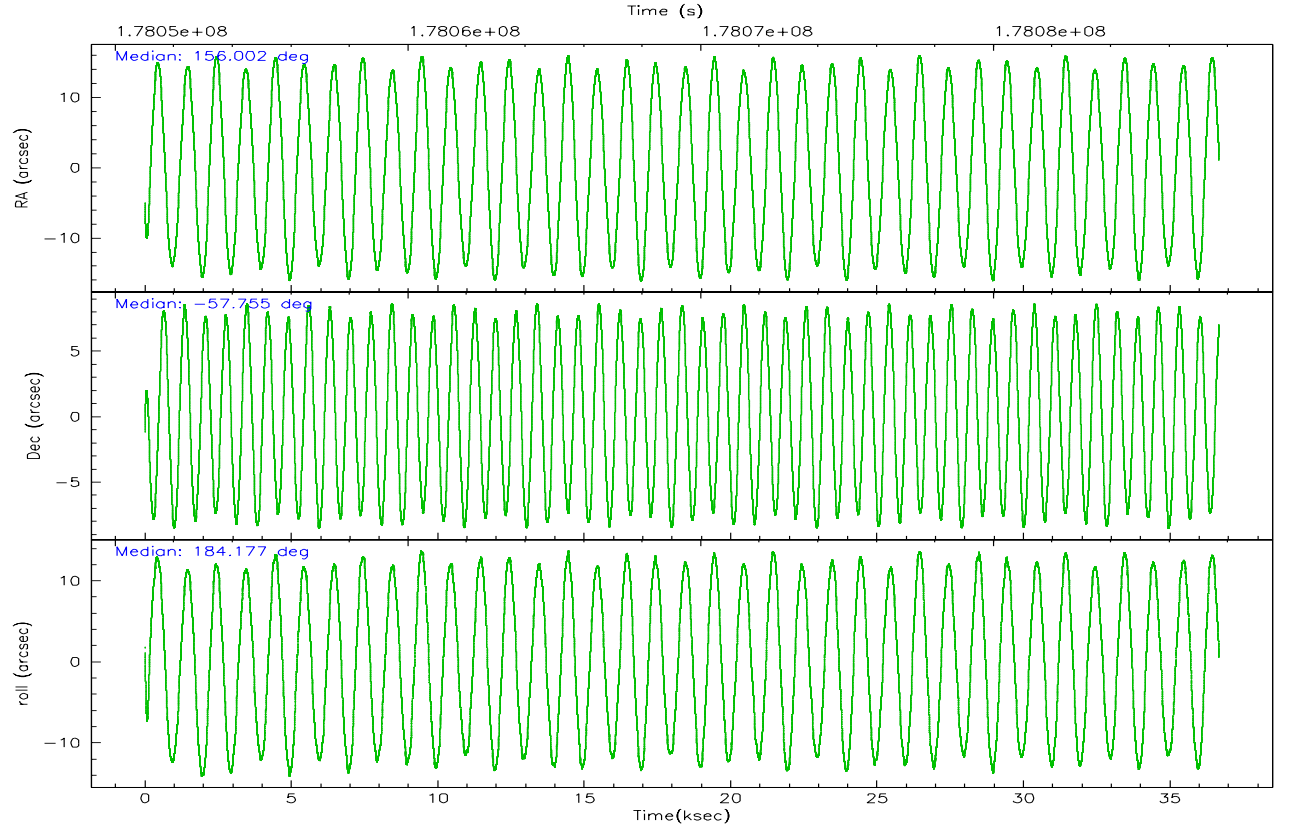
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	14615	15105	17179	20825	14158	8191
	6%	6%	7%	8%	5%	2%
grade 1 events	130	117	172	174	130	166
	0%	0%	0%	0%	0%	0%
grade 2 events	6185	6650	6266	6383	6249	31513
	2%	3%	2%	2%	2%	9%
grade 3 events	2838	3010	2749	3010	2793	6767
	1%	1%	1%	1%	1%	2%
grade 4 events	2663	2986	2735	2955	2706	6655
	1%	1%	1%	1%	1%	2%
grade 5 events	9368	9648	8977	10090	10936	20336
	4%	4%	3%	4%	4%	6%
grade 6 events	4894	5601	4601	5039	5577	78036
	2%	2%	1%	2%	2%	23%
grade 7 events	177600	173179	189466	189899	202458	173596
	81%	80%	81%	79%	82%	53%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	156.044503	156.0022382872247	Alternating exposures requested	N	N
Pointing Dec	-57.739421	-57.75490253132249	Primary exposure time	0.000000	3.2
Pointing Roll	184.012963	184.1859085083831			
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	178051210.184000	178050083.46255			
Observation start date	2003-08-23T18:39:06	2003-08-23T18:21:23			
Observation end time	178087710.184000	178088036.13917			
Observation end date	2003-08-24T04:47:26	2003-08-24T04:53:56			
Read mode	TIMED	TIMED			

## 2.3 Aspect





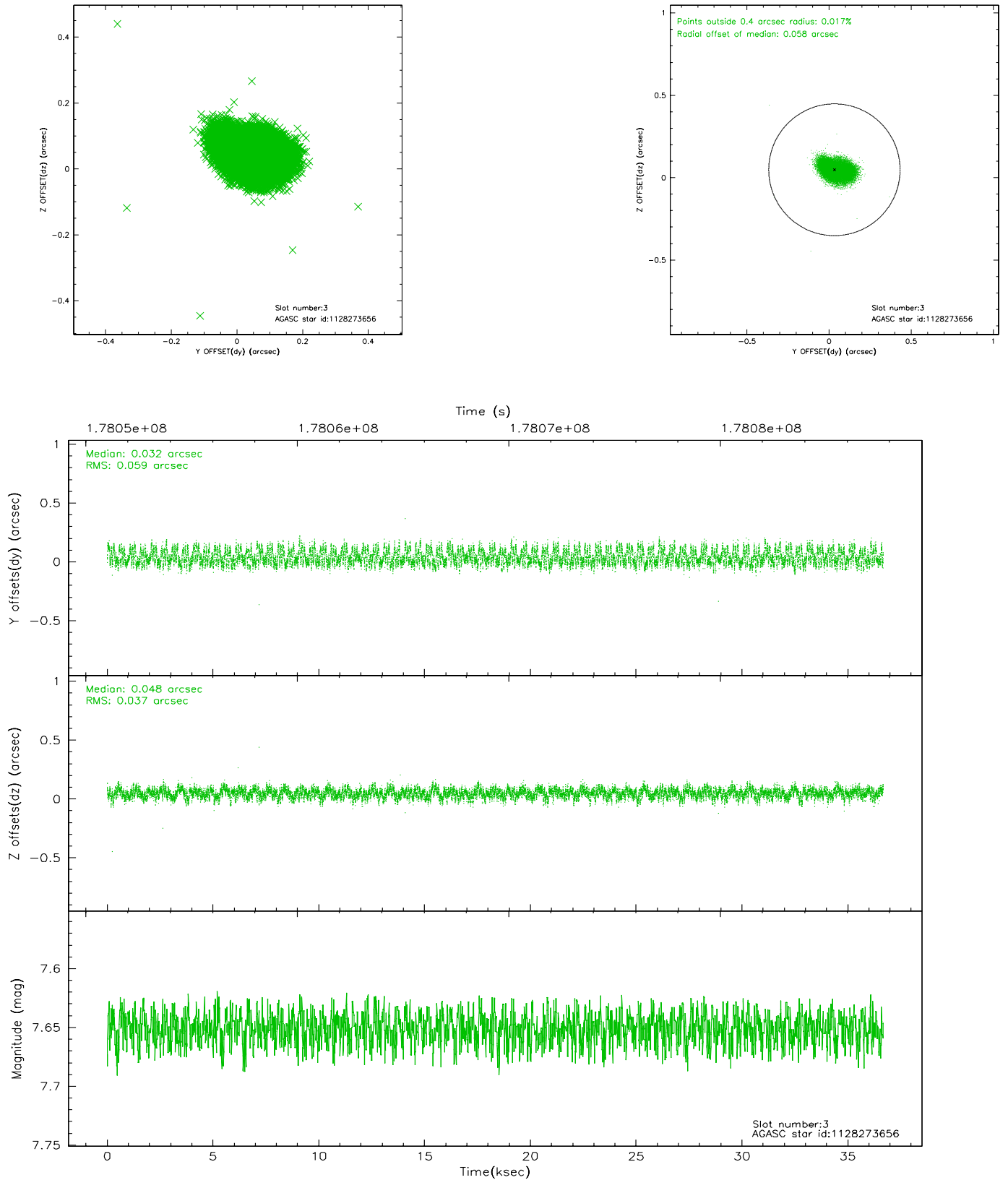
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-4	7.18	8944	0.014	0.037	0.011	0.026	0.000000	0.000000	2153.55	1066.45
1	FID	ACIS-I-5	7.23	8948	-0.124	0.027	0.008	0.016	0.000000	0.000000	-1814.50	1064.26
2	FID	ACIS-I-6	7.25	8947	0.010	0.003	0.010	0.018	0.000000	0.000000	399.10	1708.55
3	GUIDE	1128273656	7.65	17892	0.032	0.048	0.075	0.117	154.969776	-57.507105	2016.25	-962.82
4	GUIDE	1128274528	8.25	17891	0.140	-0.077	0.076	0.121	155.154363	-57.169768	1591.15	-2155.71
5	GUIDE	1128407728	7.32	17893	-0.172	-0.009	0.059	0.103	157.011911	-57.198462	-2017.02	-1797.60
6	GUIDE	1128797648	8.30	17893	0.042	-0.005	0.062	0.098	156.581066	-58.327740	-863.51	2187.67
7	GUIDE	1128794896	9.04	17878	-0.046	0.053	0.076	0.119	156.625967	-58.351010	-941.59	2278.09

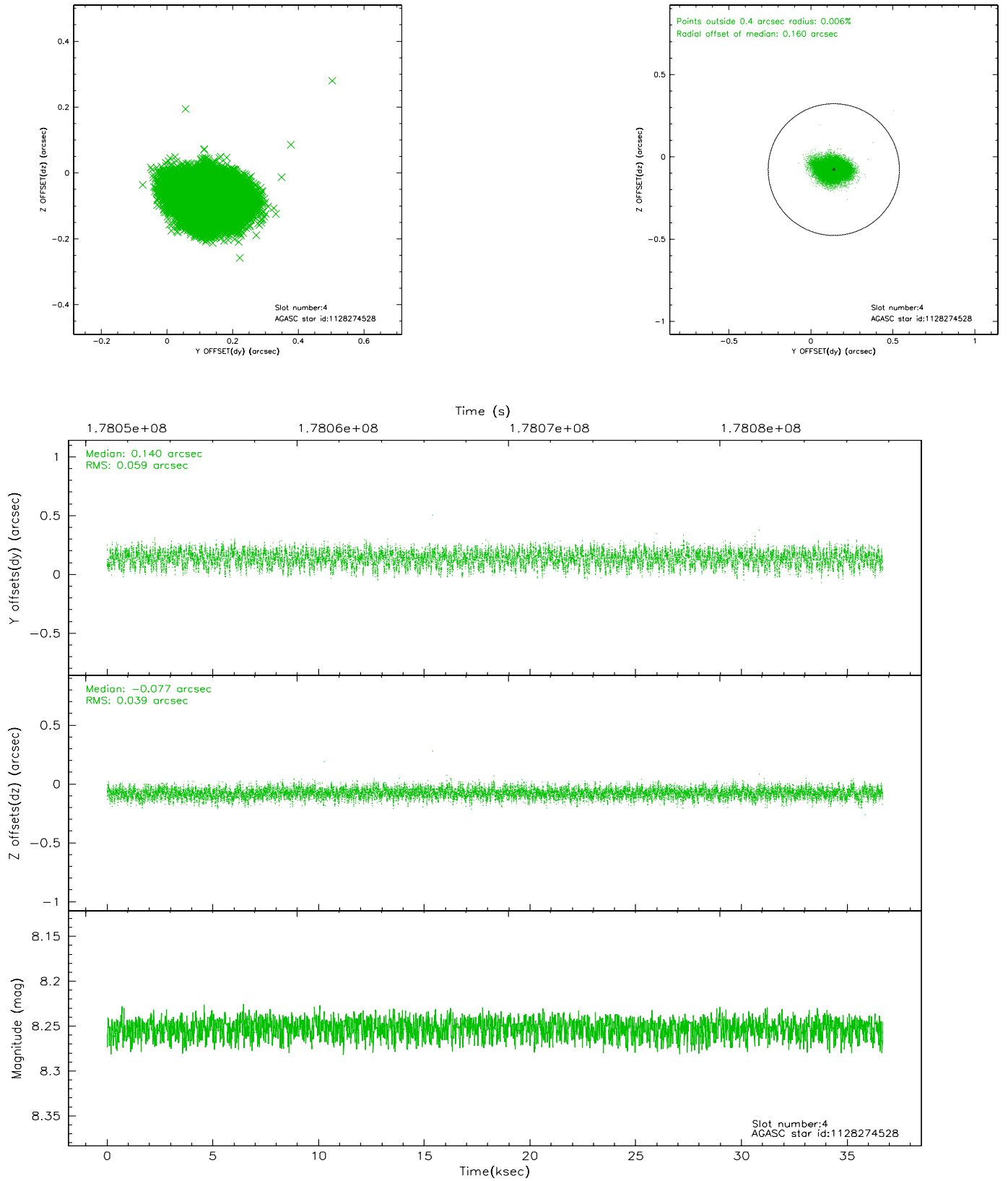


## 2.4 Star Slots

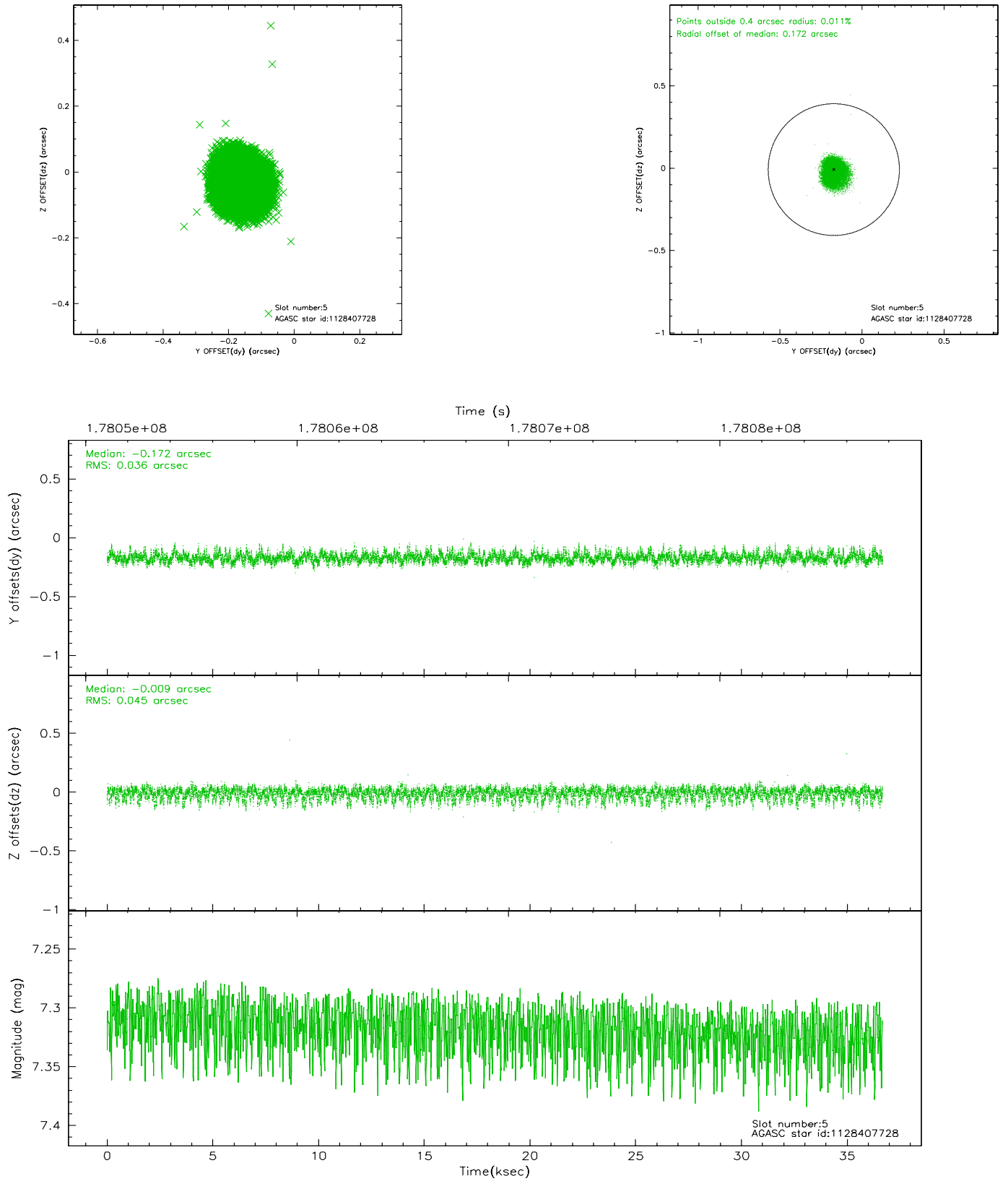
### 2.4.1 Slot 3



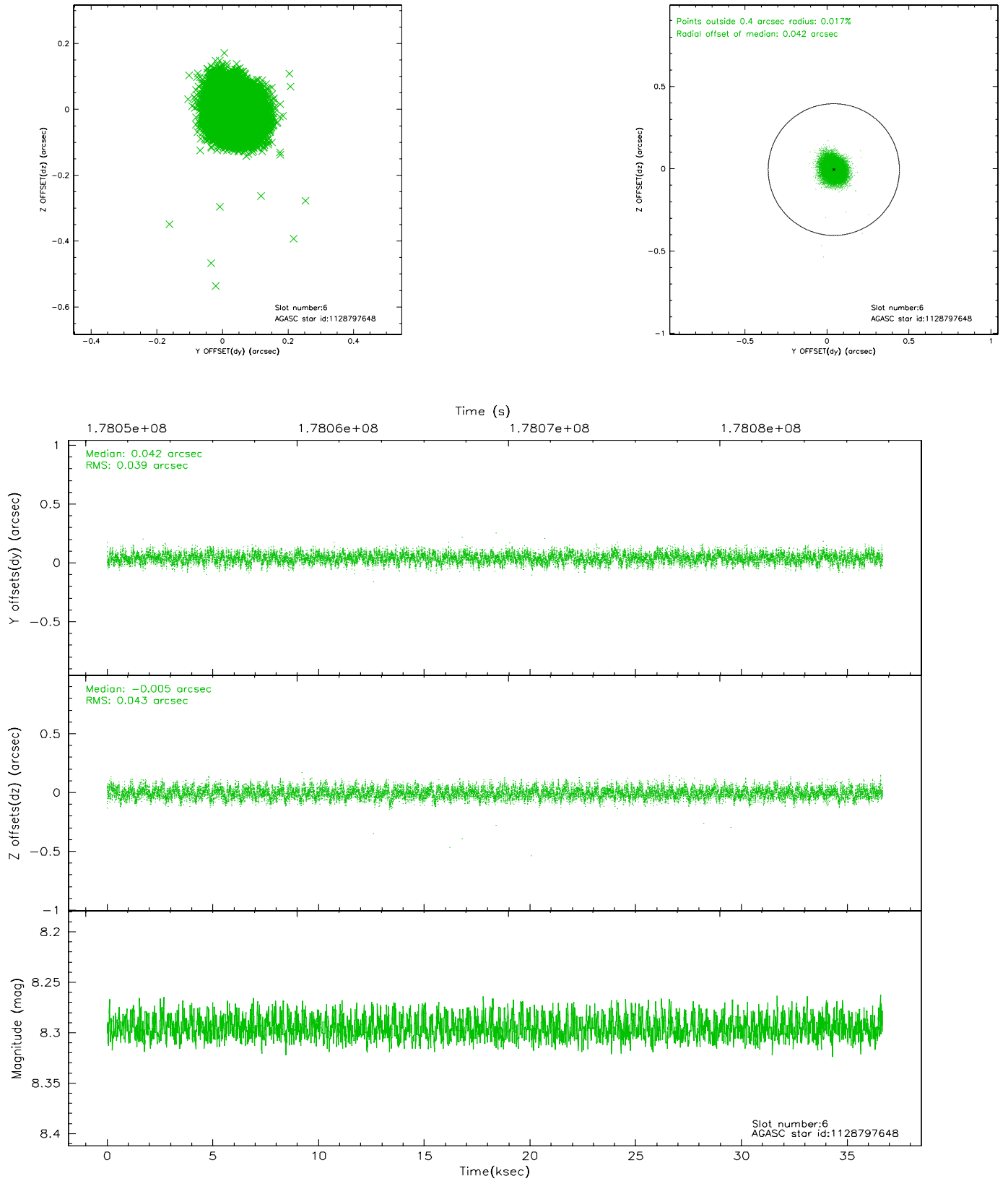
## 2.4.2 Slot 4



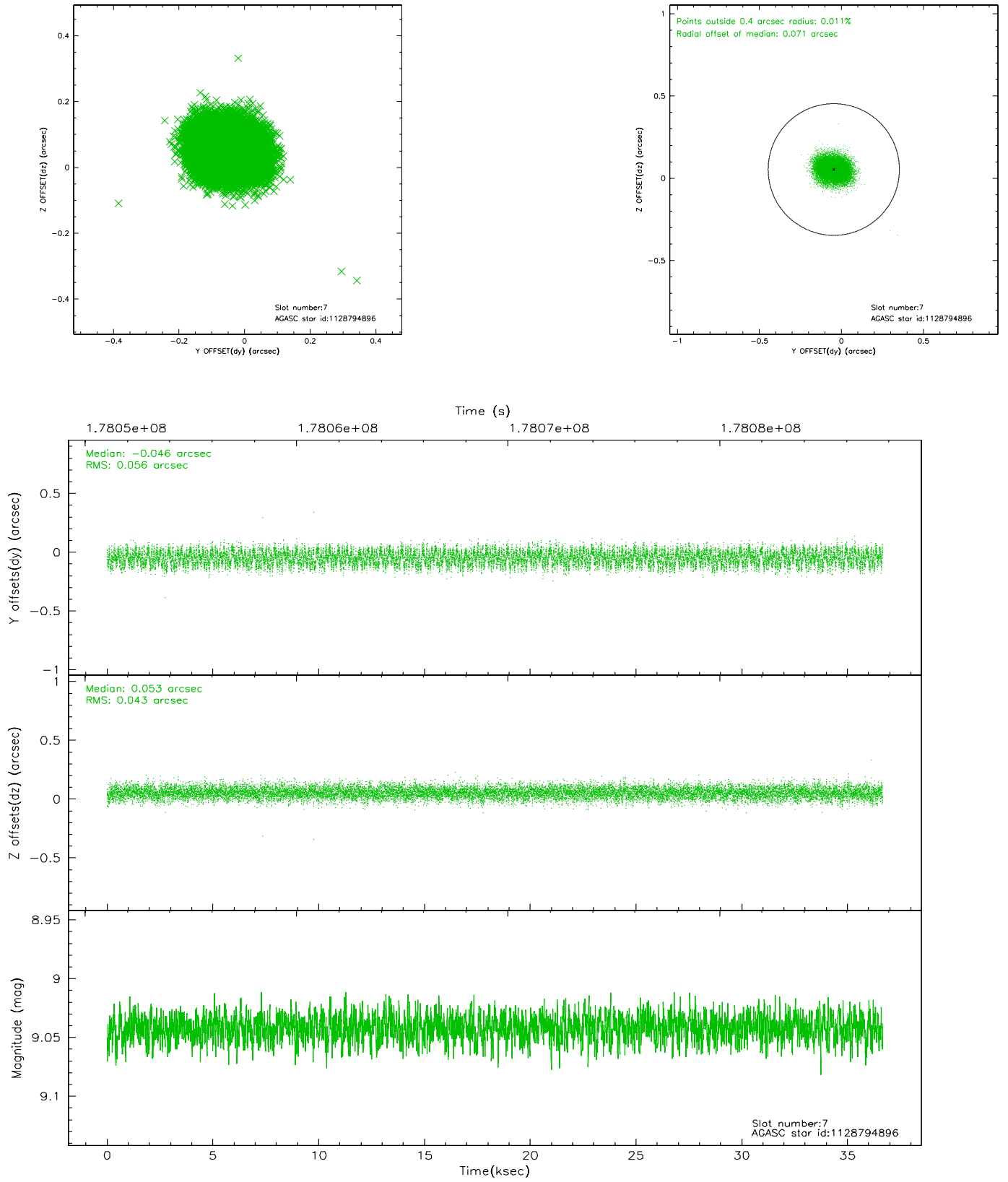
### 2.4.3 Slot 5



## 2.4.4 Slot 6

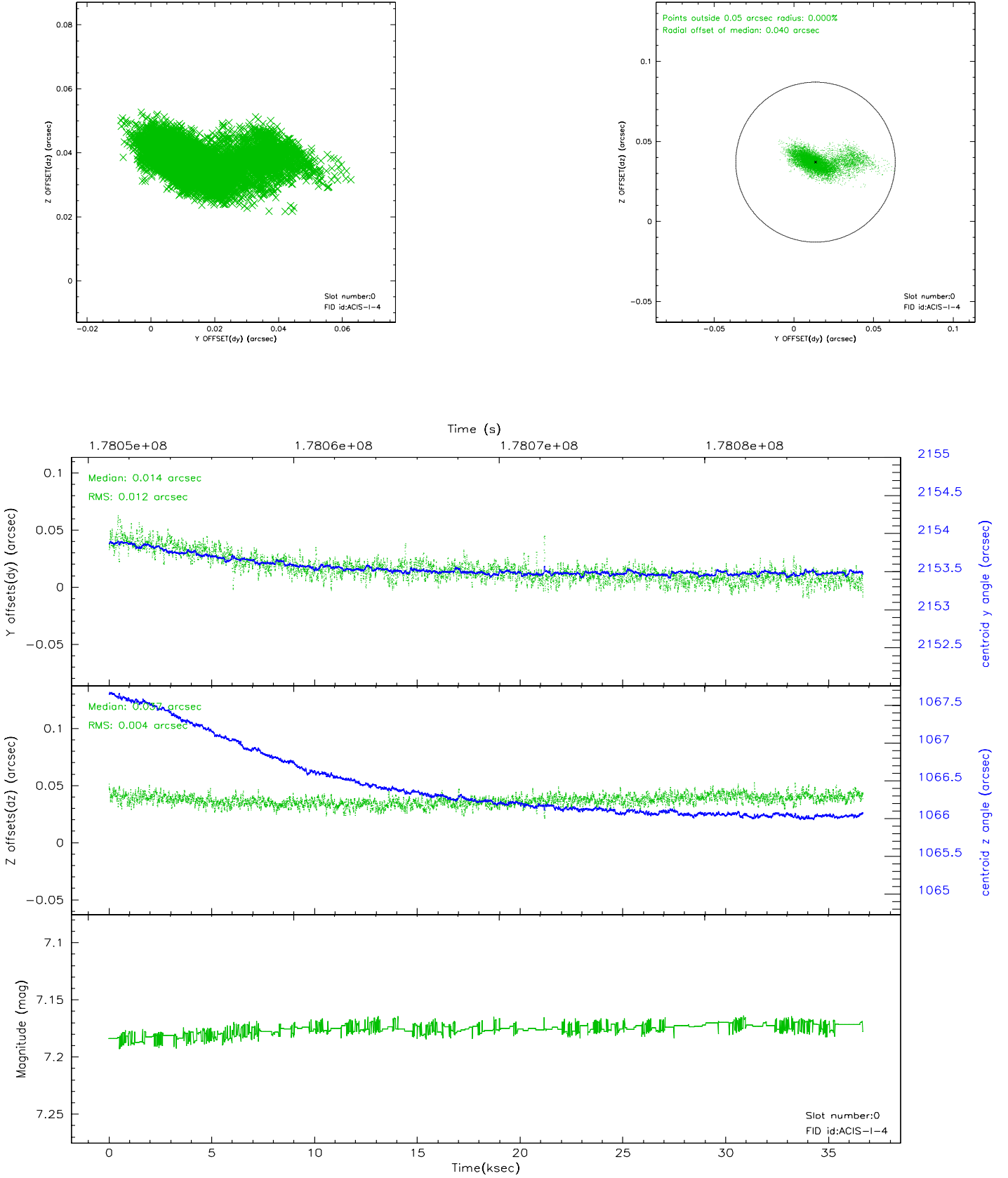


## 2.4.5 Slot 7

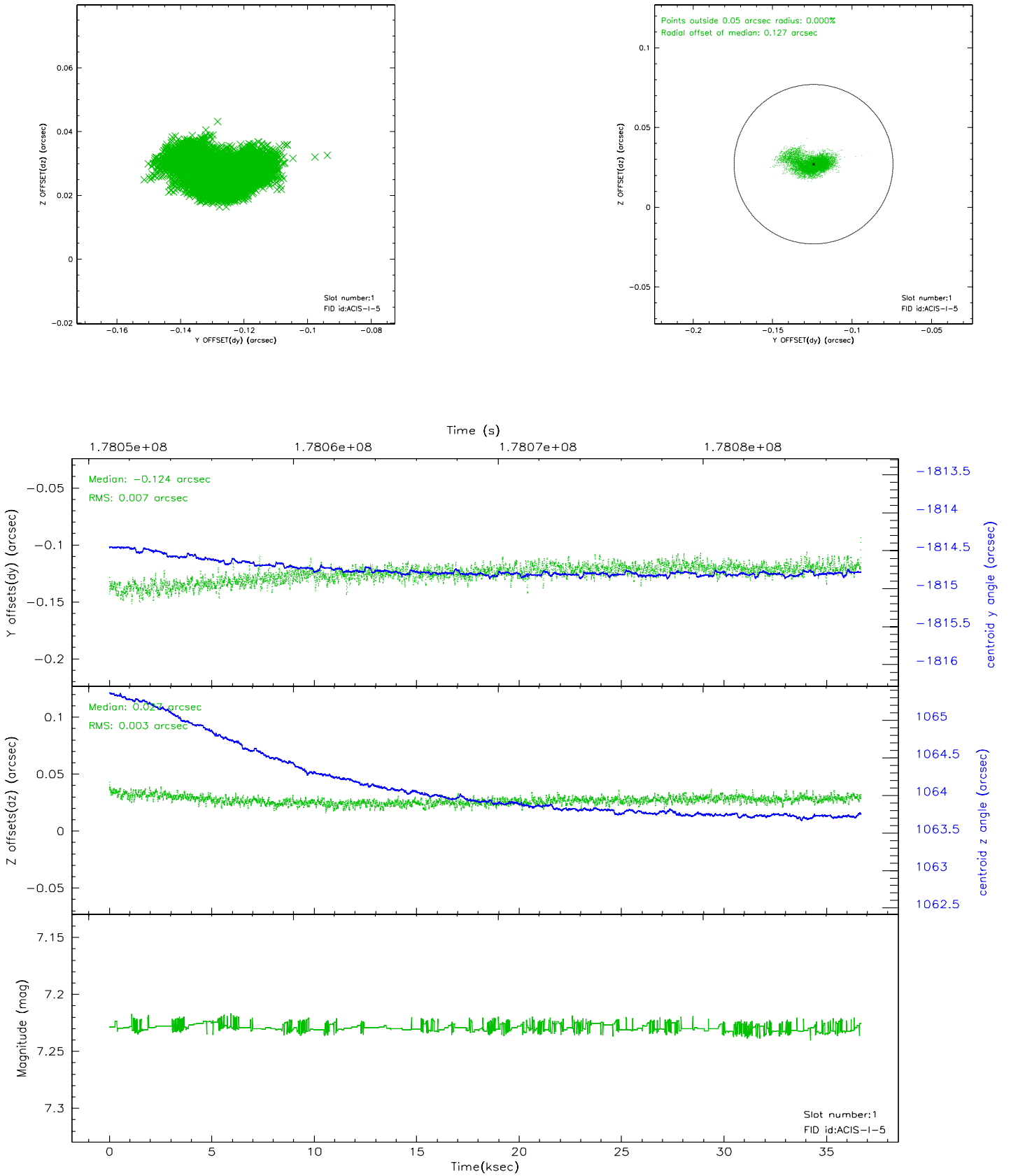


## 2.5 FID Slots

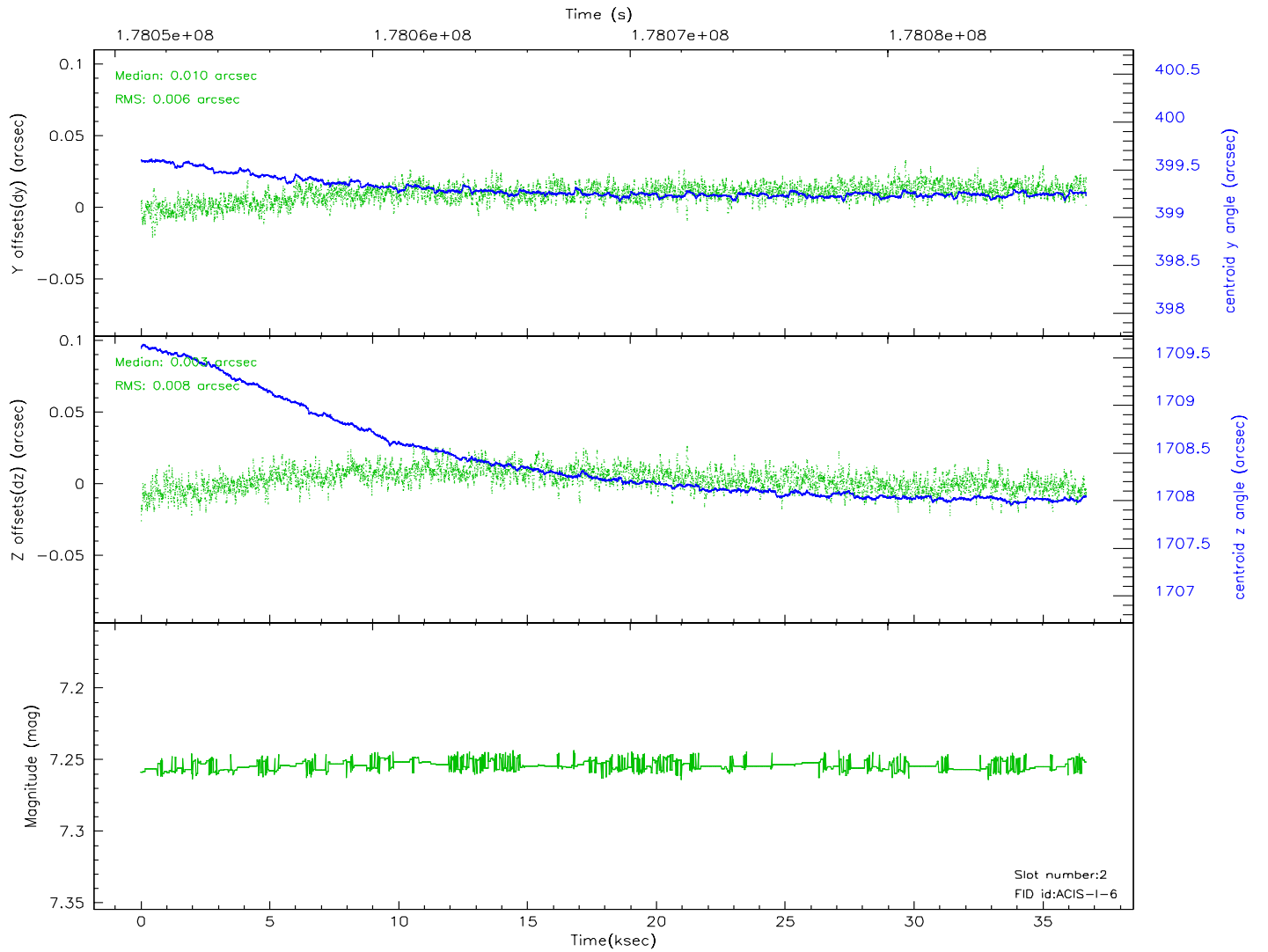
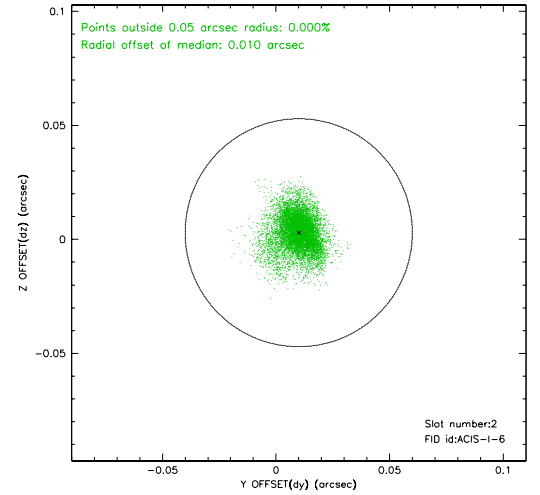
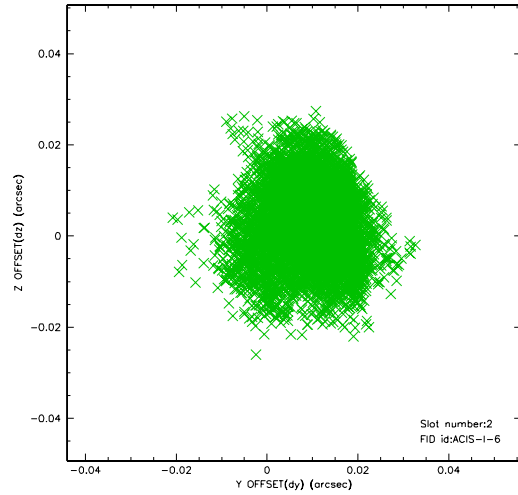
### 2.5.1 Slot 0



## 2.5.2 Slot 1

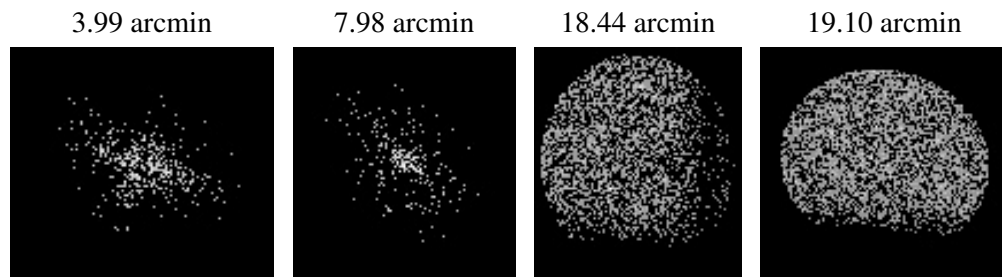


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.655

### A.2 Comments