

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 2321 - L2 Version 001  
Chandra X-Ray Center

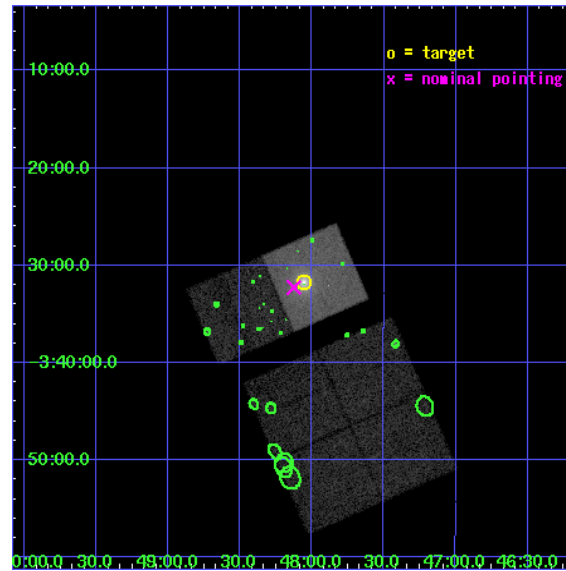
L2 Processing Date : Jun 16 2007

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# 1 Front

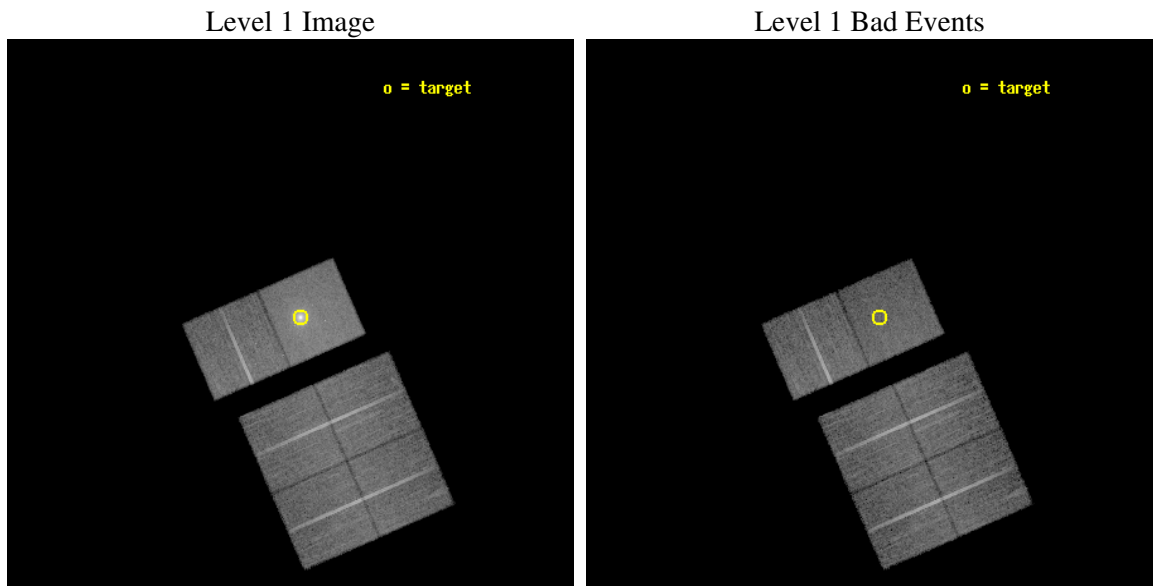
seq_num	800172
obs_id	2321
title	DETERMINATION OF H0/Q0
observer	DR. LEON VANSPEYBROECK
object	A383
dtcycle	0
cycle	P
ra_targ	42.01325
dec_targ	-3.527847
ra_nom	42.031709805797
dec_nom	-3.5378405265799
roll_nom	336.44960834818
revision	3
ontime	19760.000018403
livetime	19509.787000126
ontime0	19760.000018403
ontime1	19760.000018403
ontime2	19760.000018403
ontime3	19760.000018403
ontime6	19760.000018403
ontime7	19760.000018403
l2events	148441



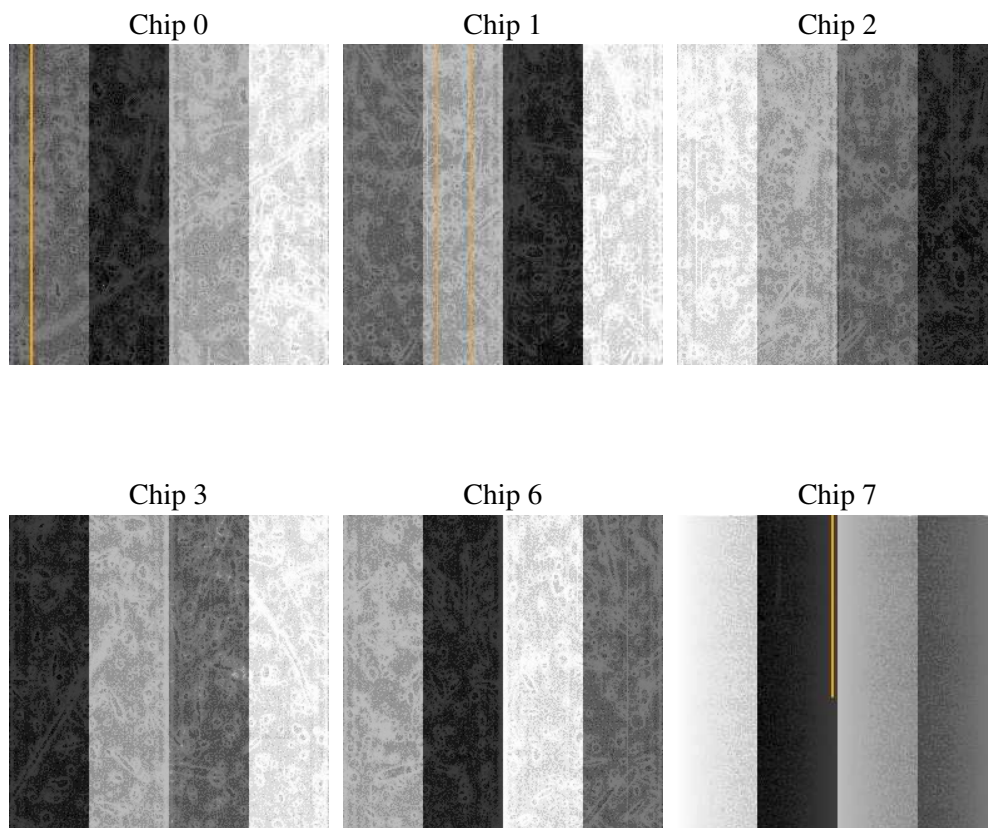
## 2 OBI

### 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	2007-06-16T15:35:01
revision	2

sched_exp_time	19650.000000
ontime	19760.000018403
ontime0	19760.000018403
ontime1	19760.000018403
ontime2	19760.000018403
ontime3	19760.000018403
ontime6	19760.000018403
ontime7	19760.000018403
l1events	743487

### 2.1.4 Events

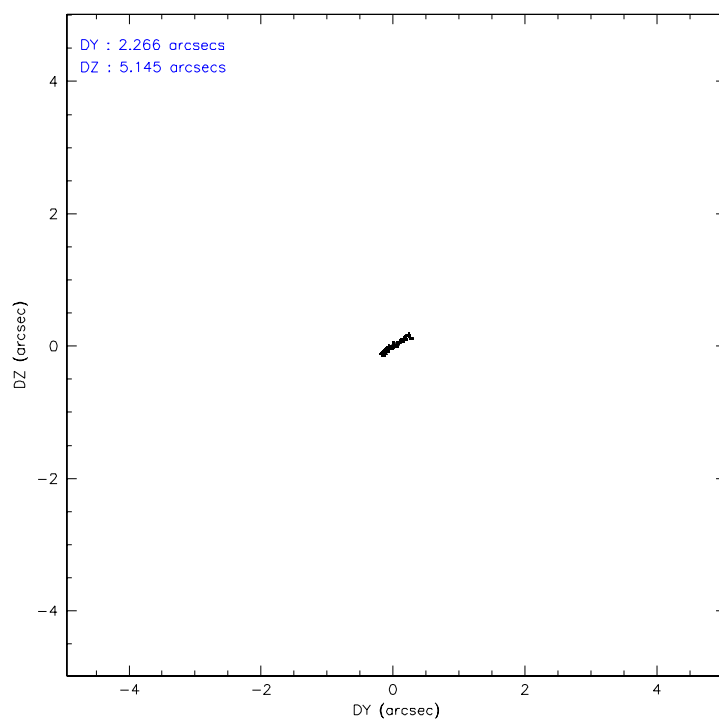
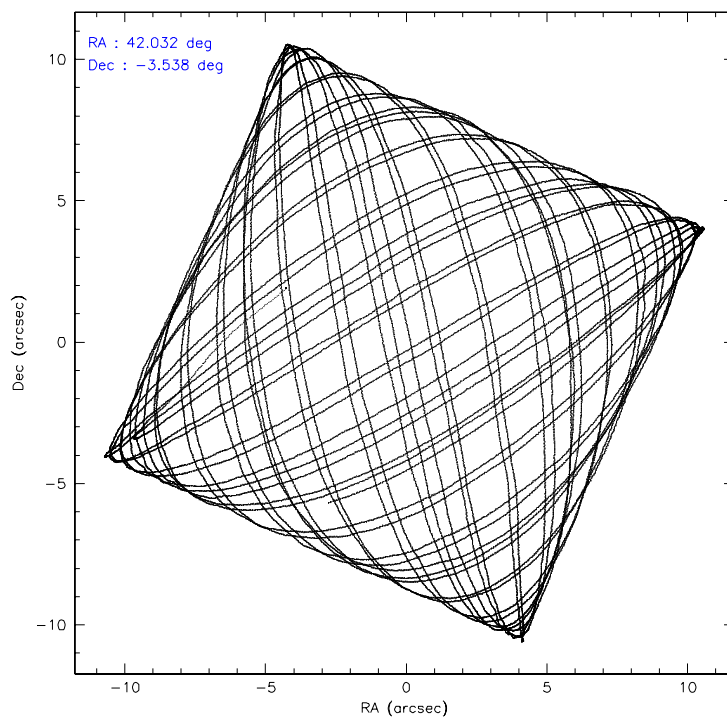
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	109525	105891	115700	115692	121126	175553
rejected events	95410	91242	102596	102126	106230	85871
rejected %	87%	86%	88%	88%	87%	48%

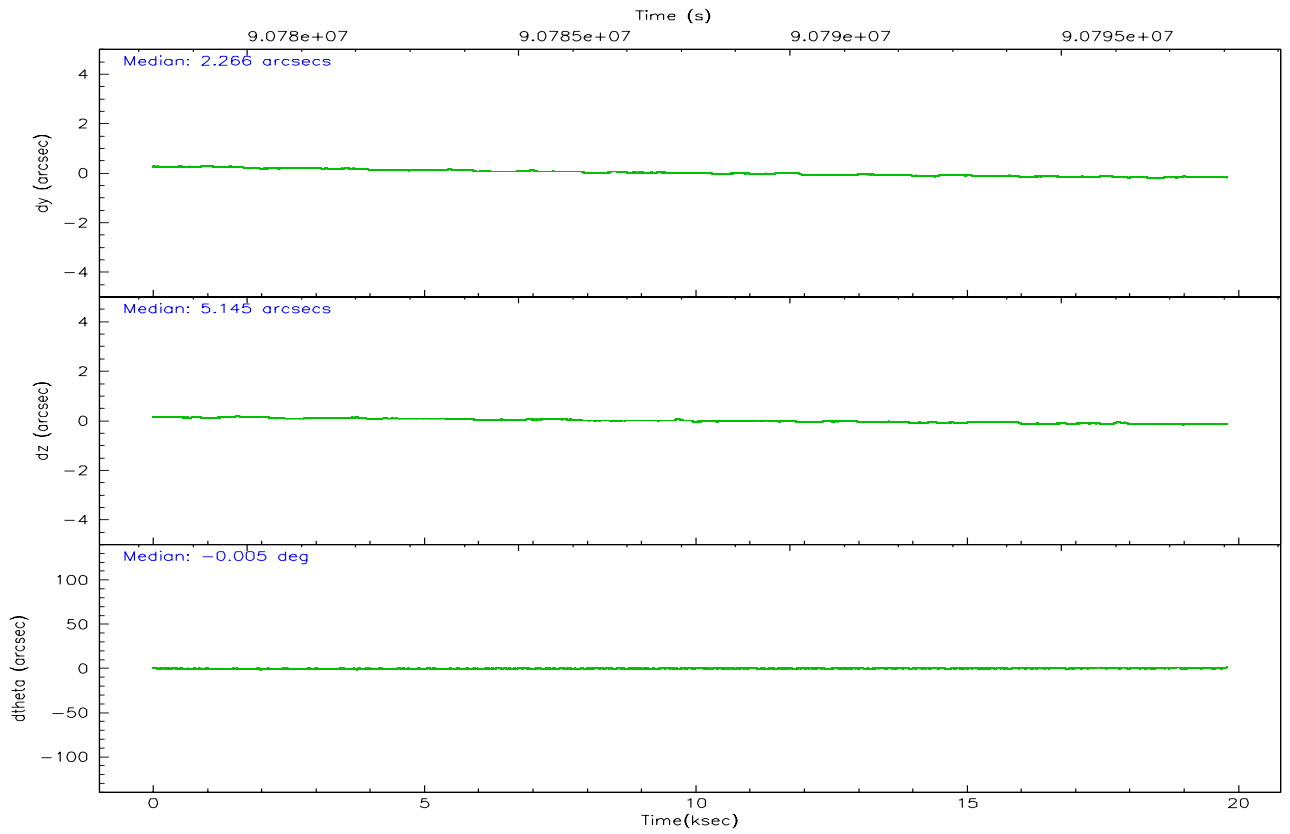
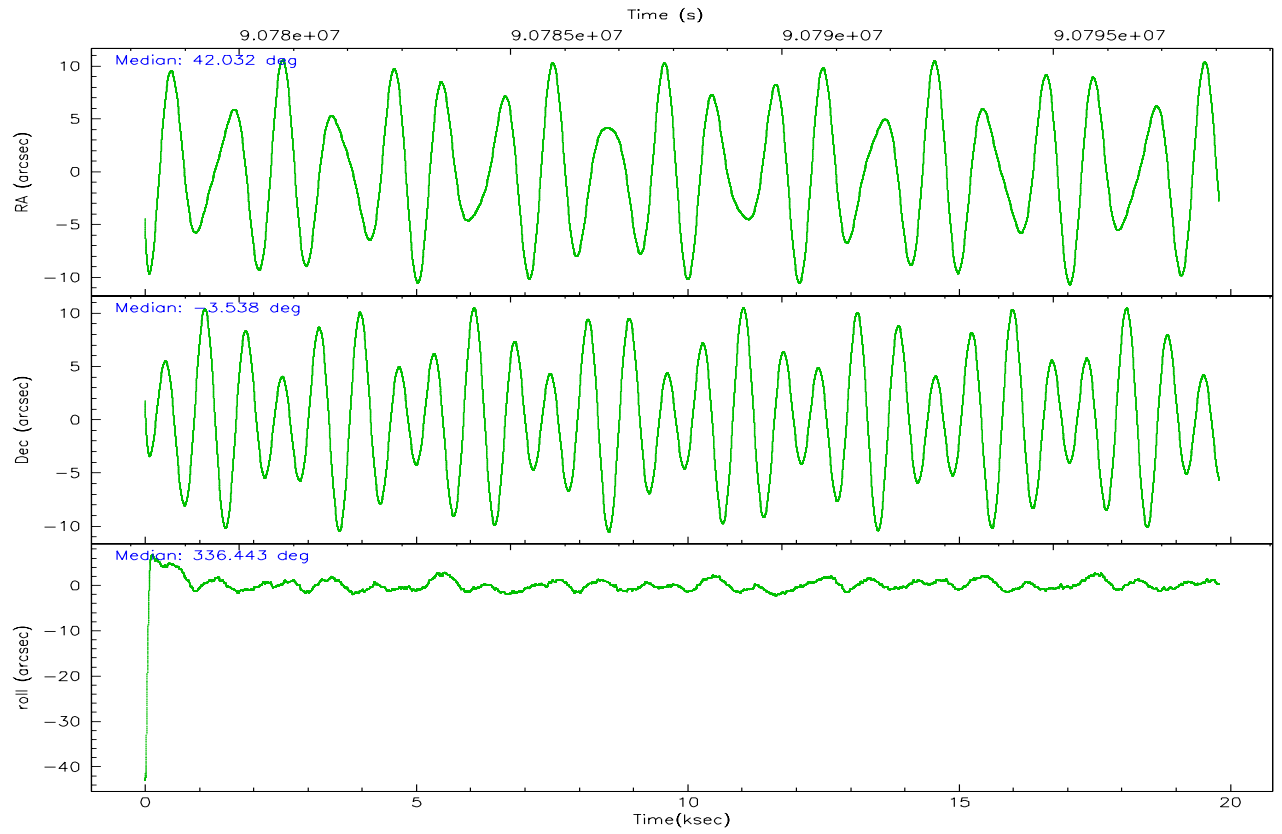
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	6101	6054	5373	6046	6483	15365
	5%	5%	4%	5%	5%	8%
grade 1 events	59	45	54	51	53	148
	0%	0%	0%	0%	0%	0%
grade 2 events	2884	2952	2860	2587	2962	19170
	2%	2%	2%	2%	2%	10%
grade 3 events	1360	1498	1255	1289	1349	8894
	1%	1%	1%	1%	1%	5%
grade 4 events	1284	1462	1255	1280	1331	8987
	1%	1%	1%	1%	1%	5%
grade 5 events	4143	4459	3780	4458	4739	14241
	3%	4%	3%	3%	3%	8%
grade 6 events	2497	2686	2363	2368	2777	37298
	2%	2%	2%	2%	2%	21%
grade 7 events	91197	86735	98760	97613	101432	71450
	83%	81%	85%	84%	83%	40%

## 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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	42.004496	42.03170980579683	Subarray requested	NONE	NONE
Pointing Dec	-3.541122	-3.537840526579879	Alternating exposures requested	N	N
Pointing Roll	336.291334	336.4496083481753	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	90778406.184000	90777368.714046			
Observation start date	2000-11-16T16:12:22	2000-11-16T15:56:08			
Observation end time	90798056.184000	90798446.814851			
Observation end date	2000-11-16T21:39:52	2000-11-16T21:47:26			
Read mode	TIMED	TIMED			

## 2.3 Aspect





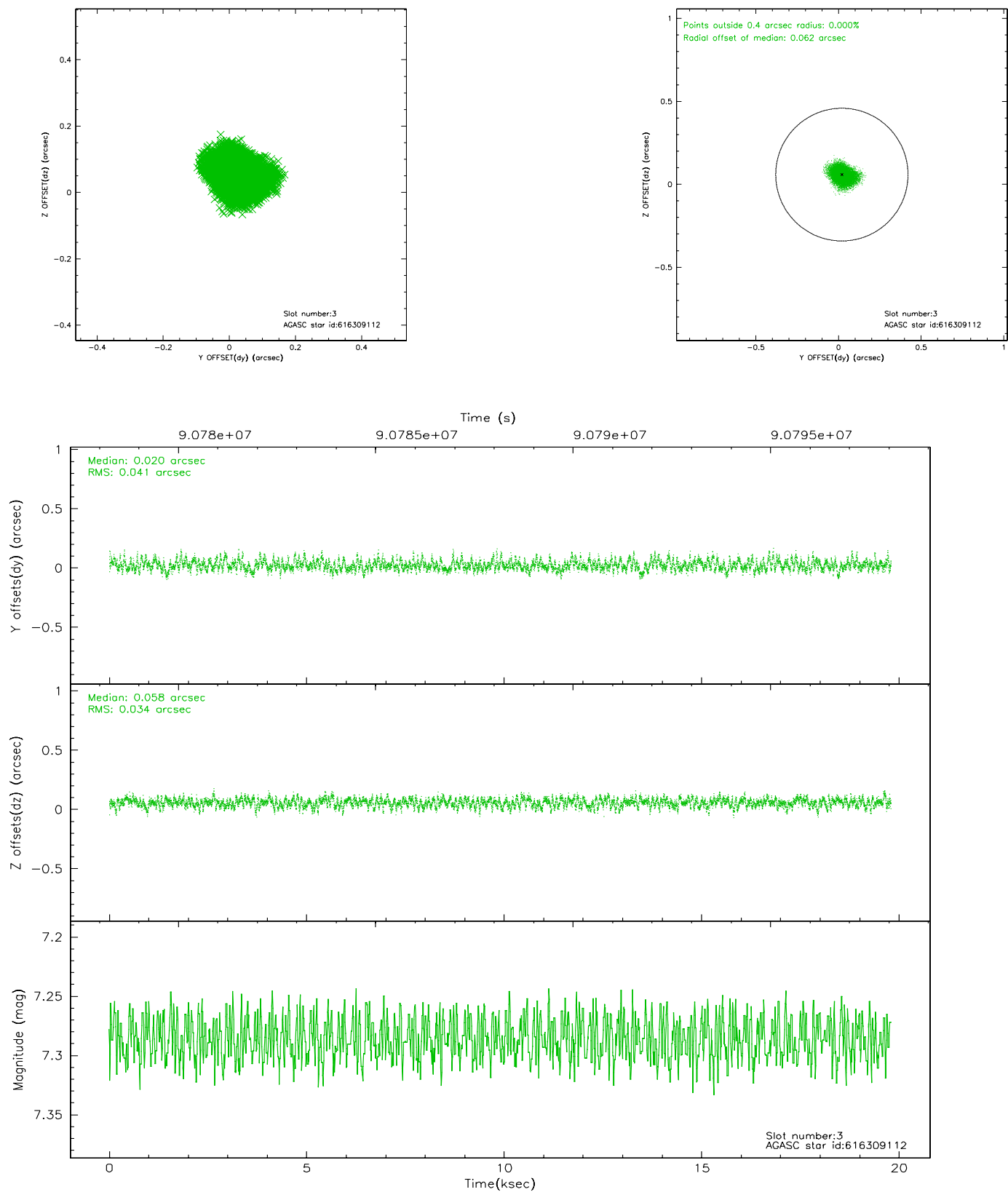
### Slot Statistics

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	4829	-0.029	0.016	0.006	0.011	0.000000	0.000000	-754.91	-1726.21
1	FID	ACIS-S-4	7.21	4829	-0.040	0.010	0.006	0.011	0.000000	0.000000	2158.24	182.12
2	FID	ACIS-S-5	7.24	4829	0.038	-0.017	0.007	0.011	0.000000	0.000000	-1807.47	175.91
3	GUIDE	616309112	7.29	9658	0.020	0.058	0.057	0.092	42.055014	-3.619210	278.73	-184.37
4	GUIDE	616308896	8.16	9657	0.015	-0.081	0.051	0.083	42.427748	-3.548145	1402.17	588.04
5	GUIDE	616309048	8.82	9657	-0.040	0.027	0.065	0.106	41.784403	-3.226459	-1180.28	718.97
6	GUIDE	616302872	8.25	9658	-0.042	-0.008	0.058	0.091	41.855710	-3.296822	-844.00	590.15
7	GUIDE	616306616	8.91	9647	0.043	0.005	0.071	0.115	42.263219	-4.097260	1655.29	-1459.60

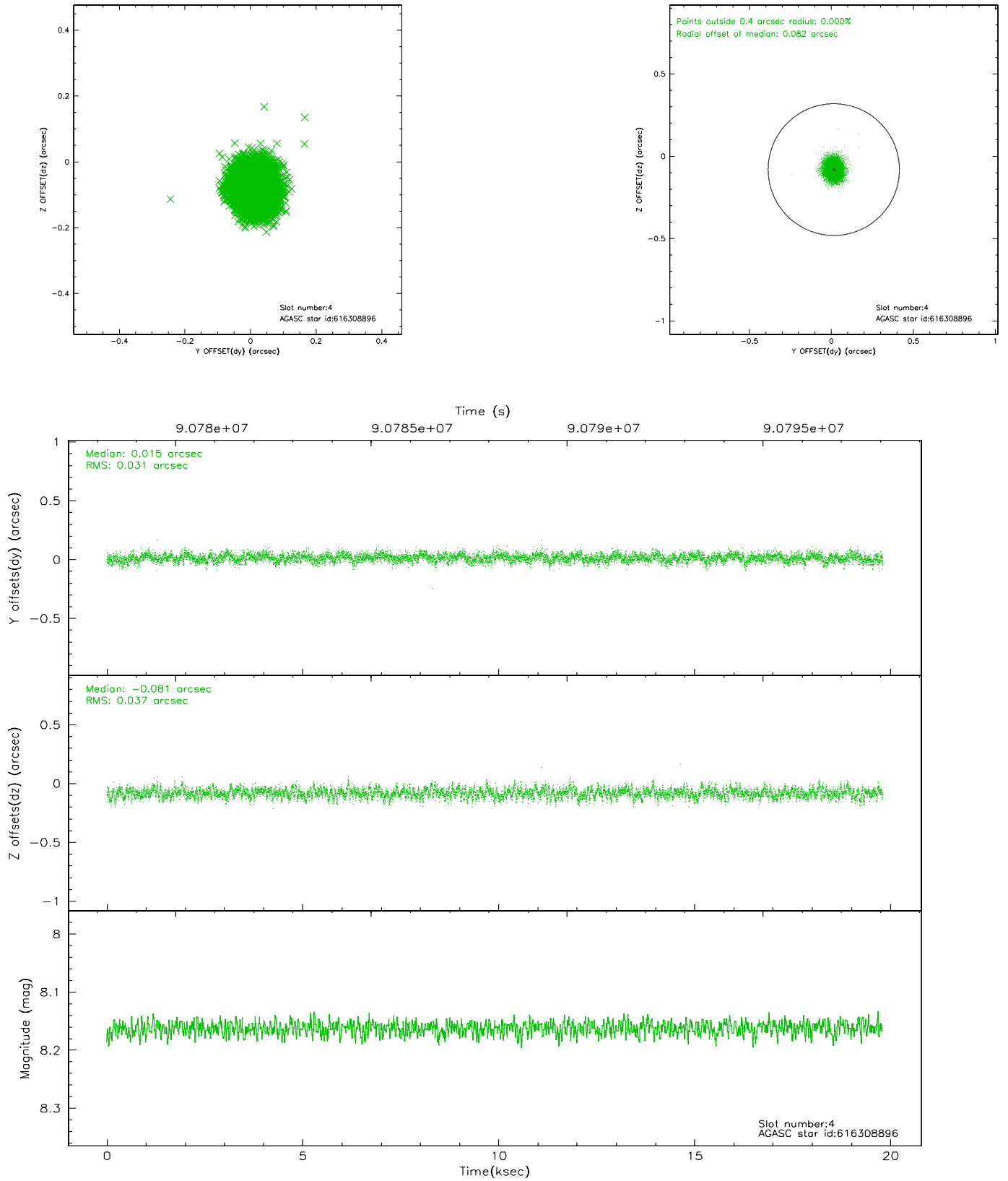


## 2.4 Star Slots

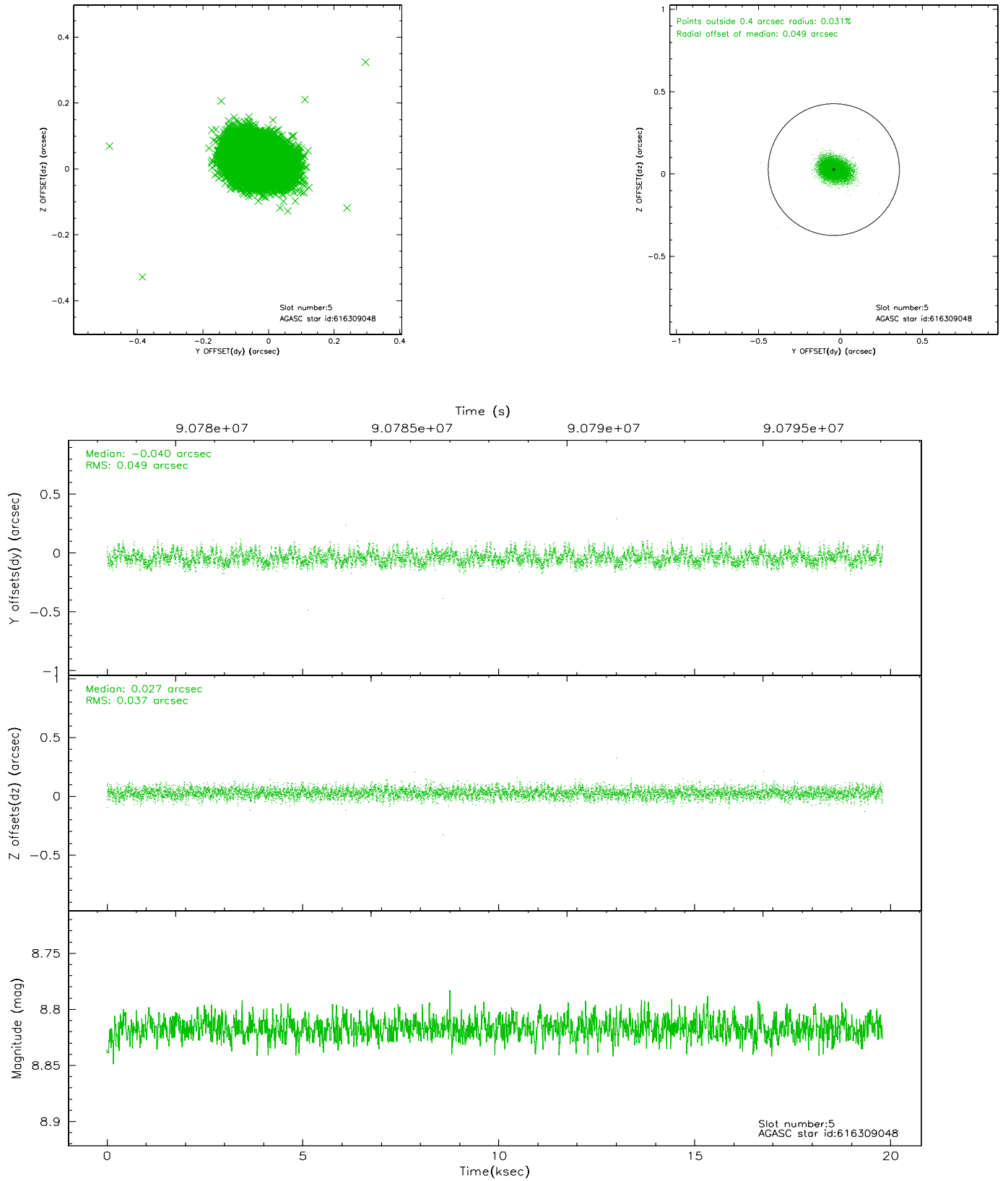
### 2.4.1 Slot 3



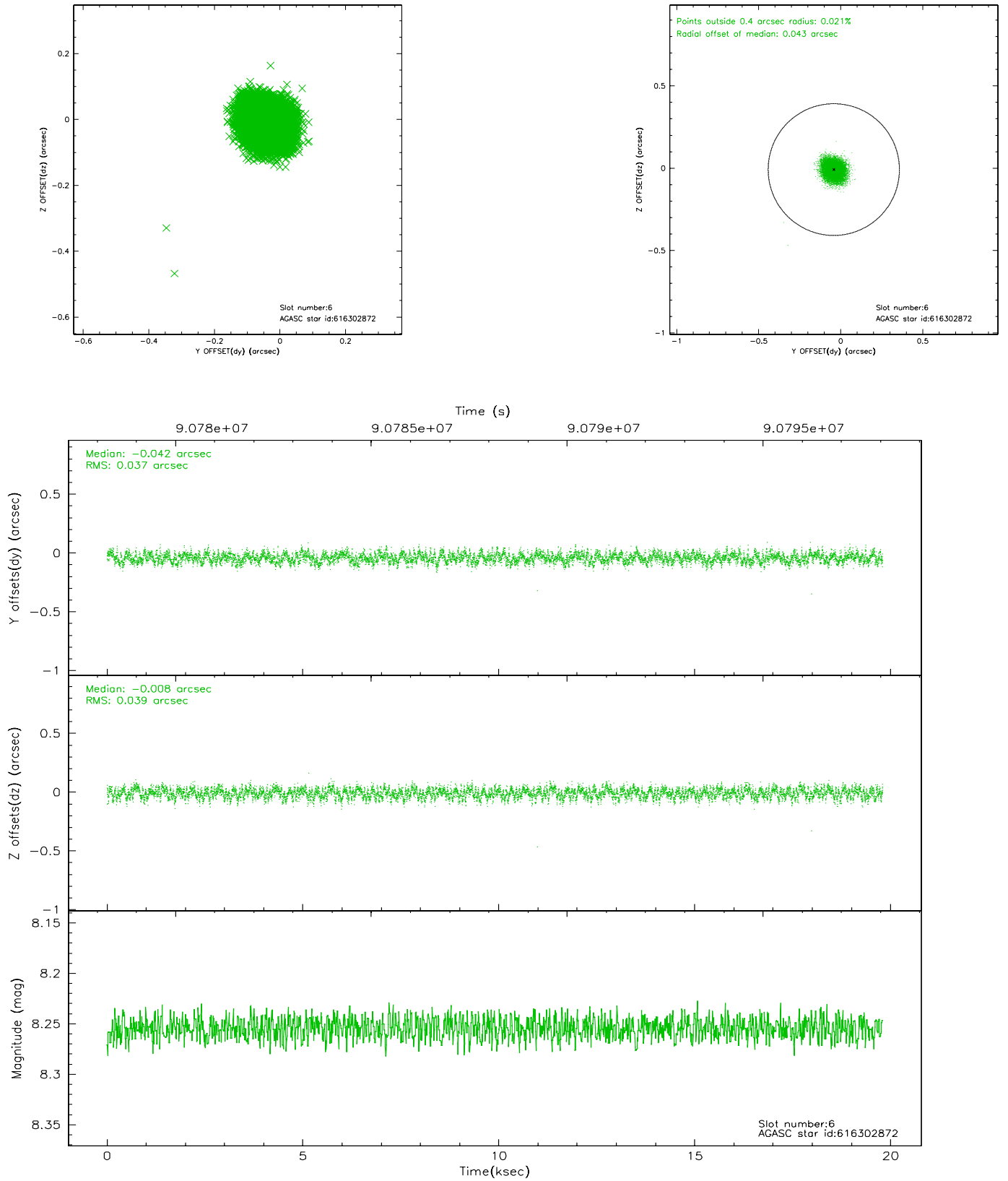
## 2.4.2 Slot 4



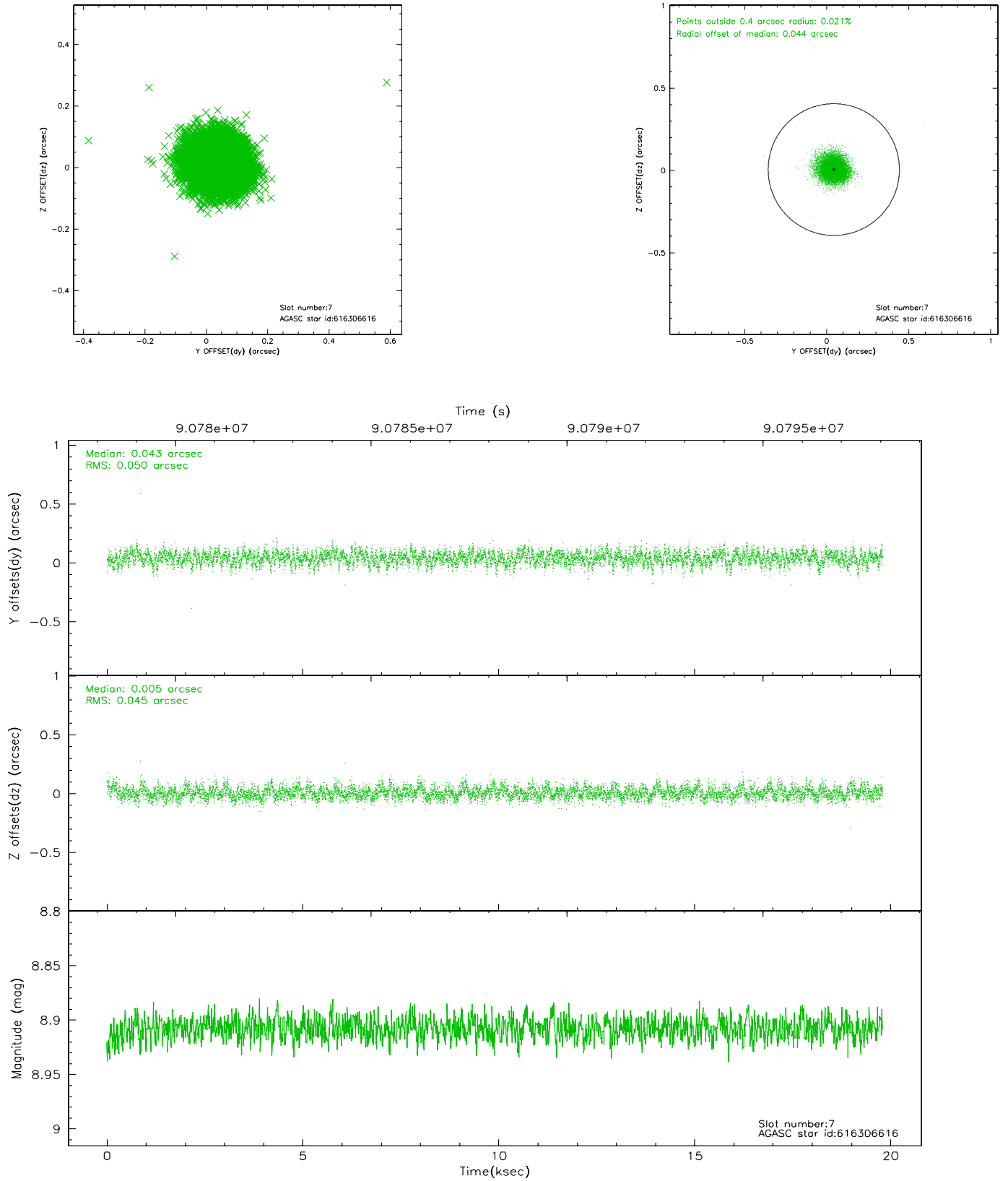
### 2.4.3 Slot 5



## 2.4.4 Slot 6

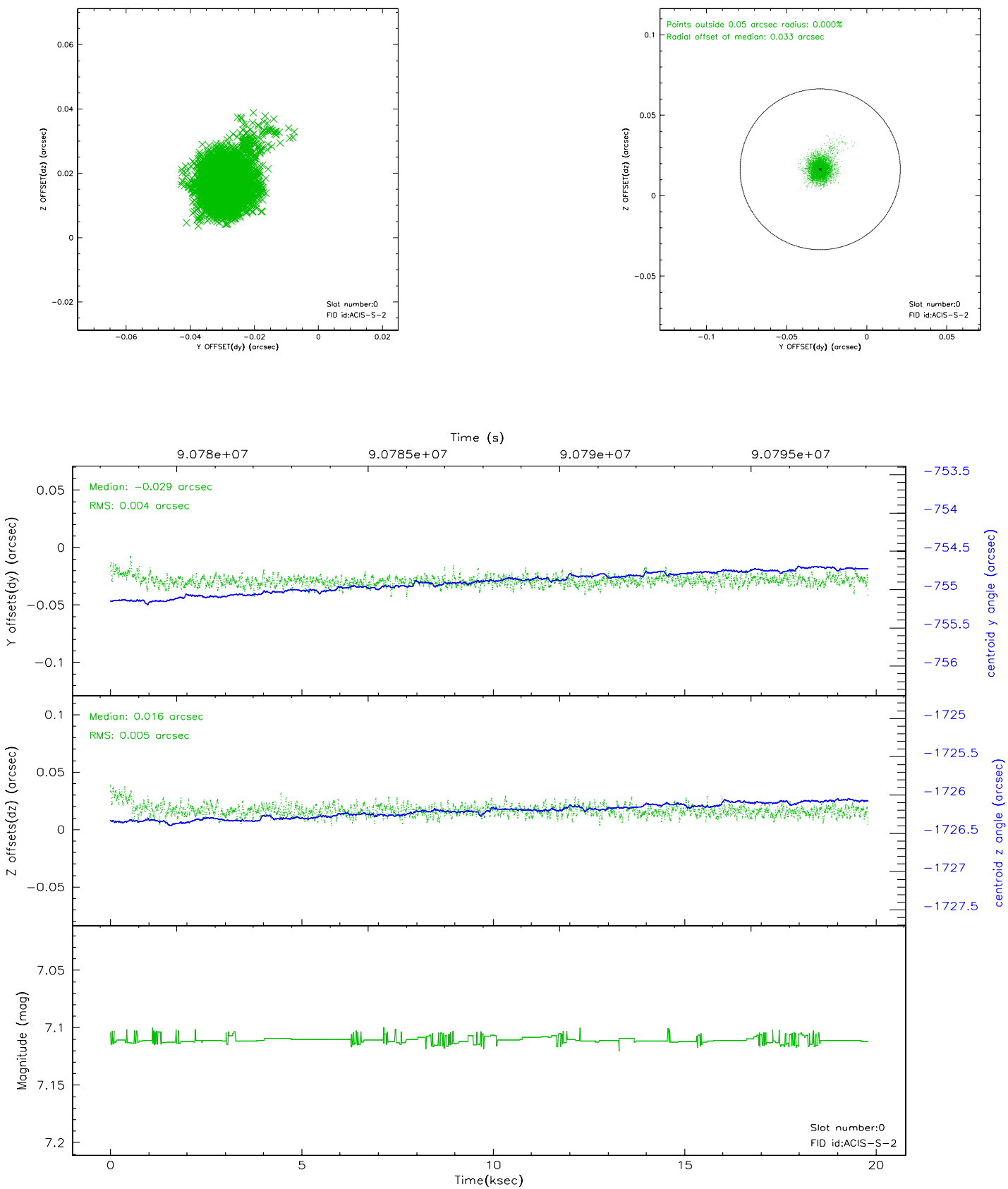


## 2.4.5 Slot 7

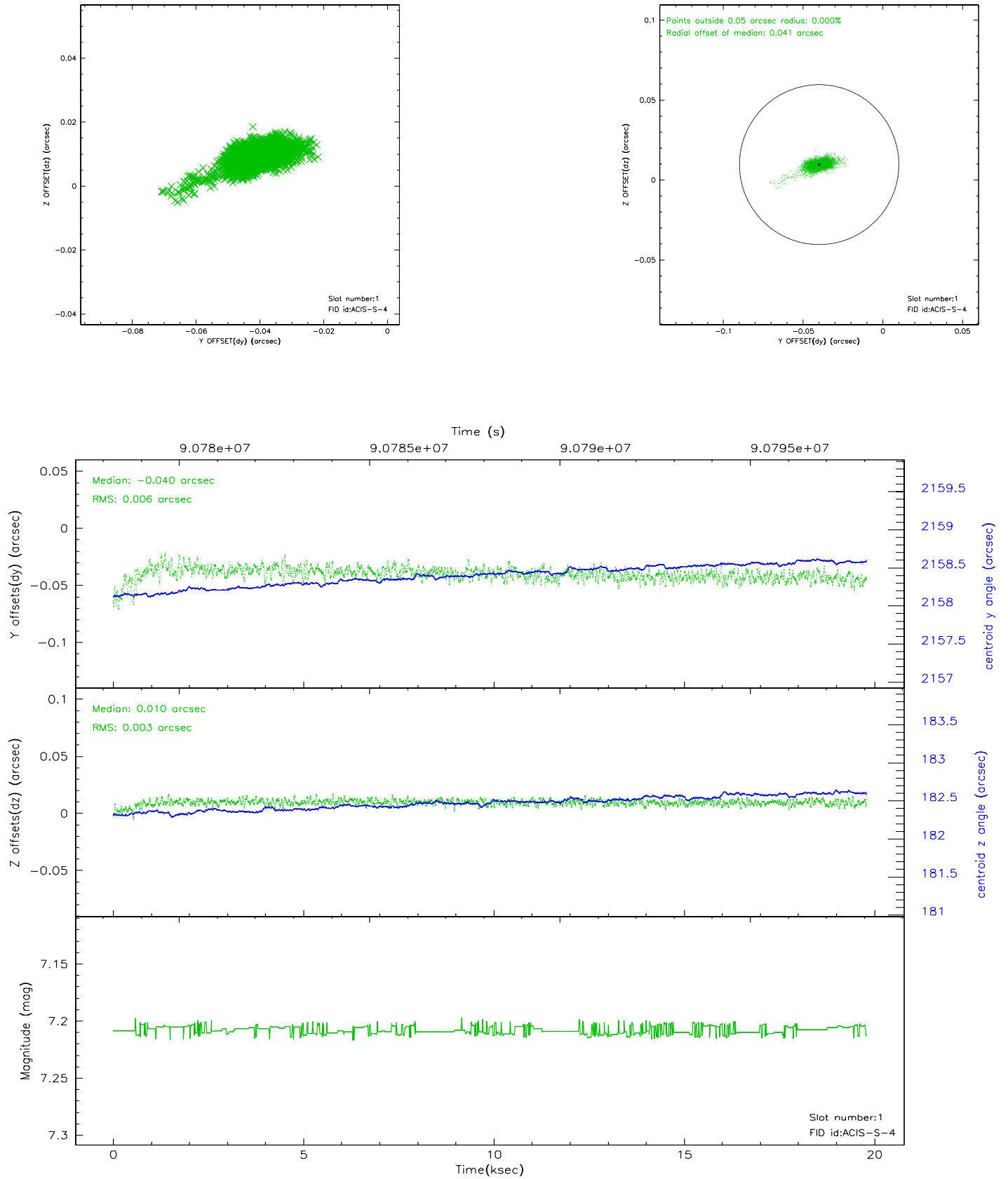


## 2.5 FID Slots

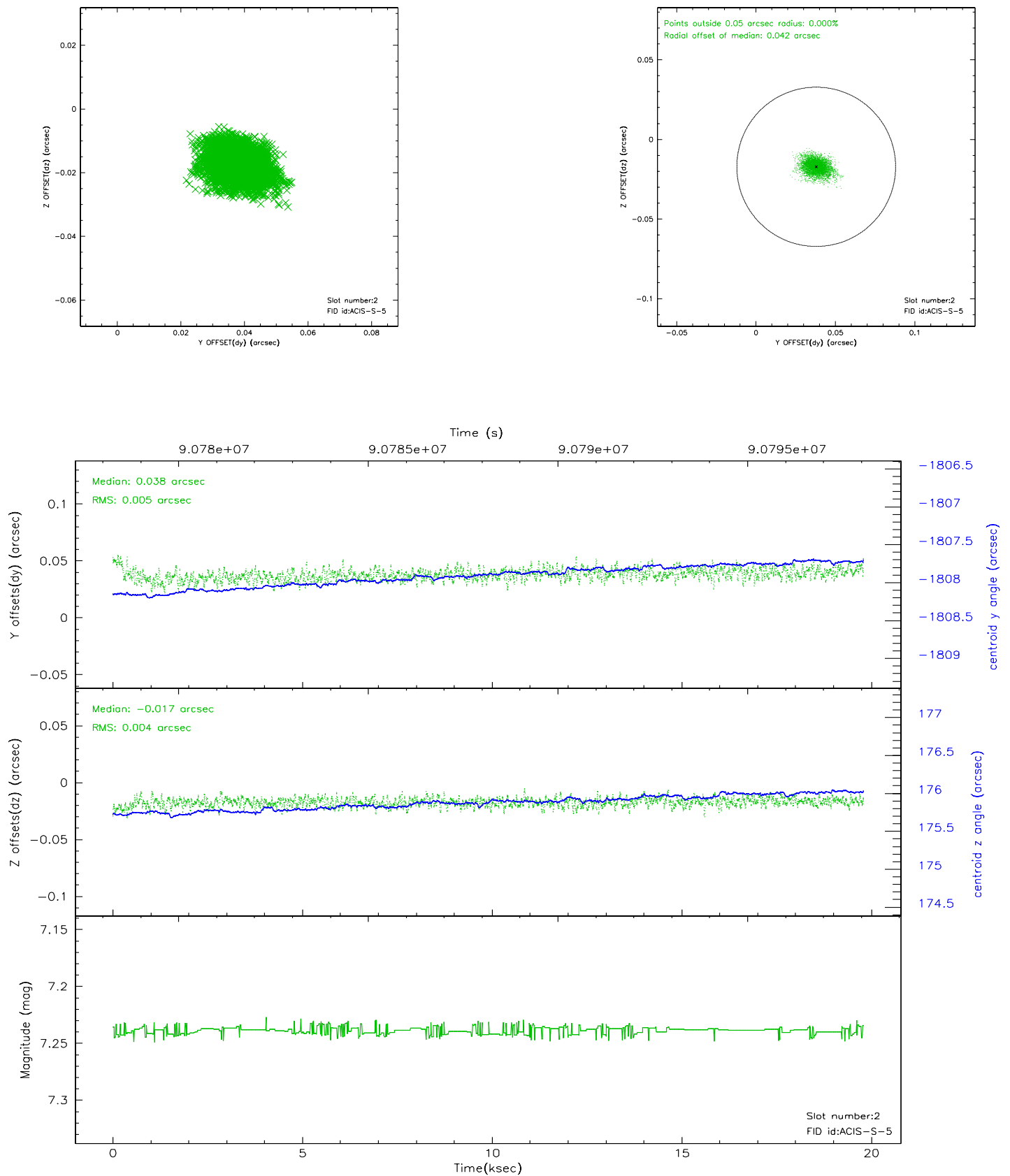
### 2.5.1 Slot 0



## 2.5.2 Slot 1

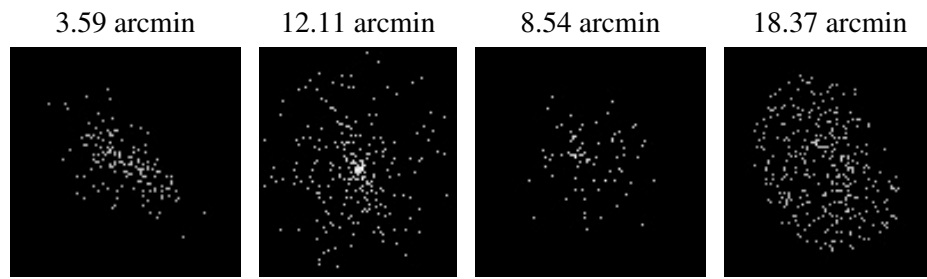


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.763

### A.2 Comments