

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 3591 - L2 Version 001  
Chandra X-Ray Center

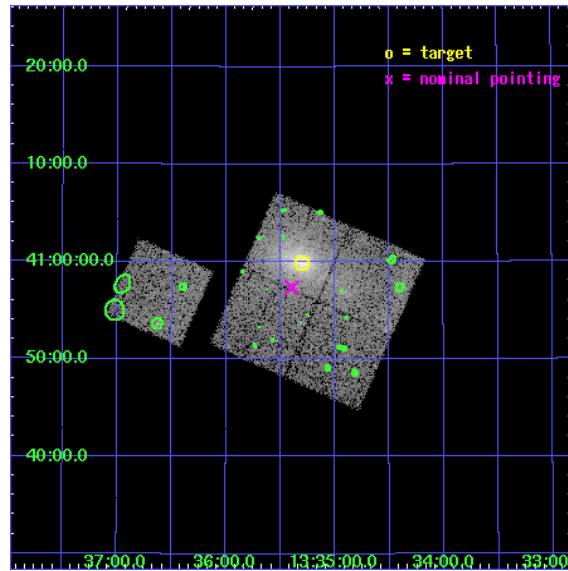
L2 Processing Date : Jul 7 2006

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# 1 Front

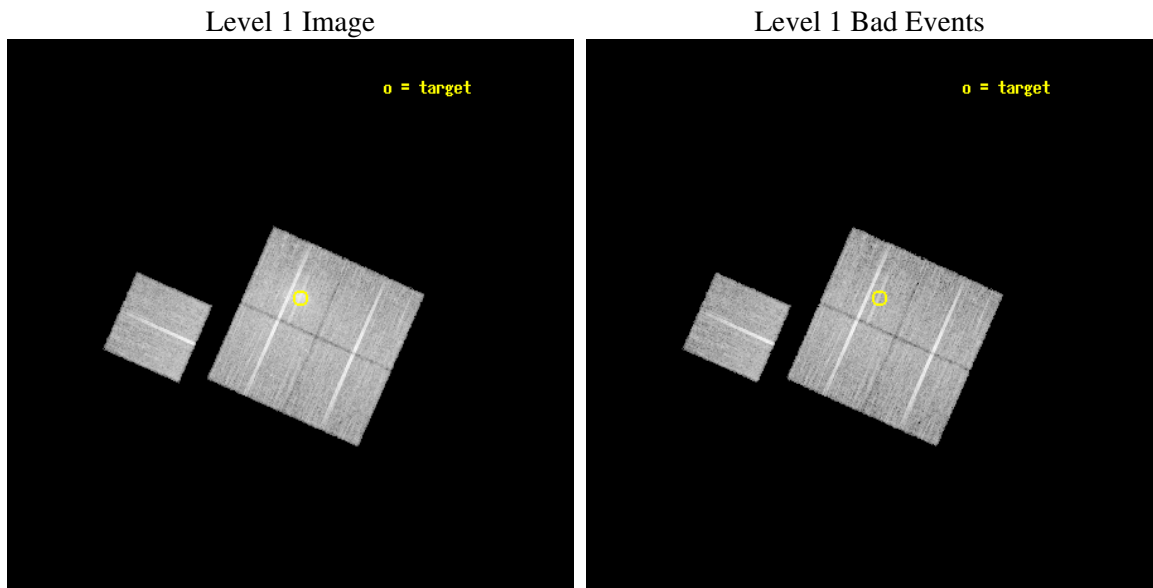
seq_num	800312
obs_id	3591
title	X-RAY/SZ DETERMINATION OF COSMOLOGICAL PARAMETERS
observer	DR. LEON VANSPEYBROECK
object	A1763
dtcycle	0
cycle	P
ra_targ	203.82629
dec_targ	40.99889
ra_nom	203.84863328405
dec_nom	40.956130137024
roll_nom	293.96948949257
revision	2
ontime	19855.377101034
livetime	19595.951981893
ontime0	19864.799961805
ontime1	19864.799961805
ontime2	19861.659001589
ontime3	19855.377101034
ontime6	19864.799961805
l2events	63374



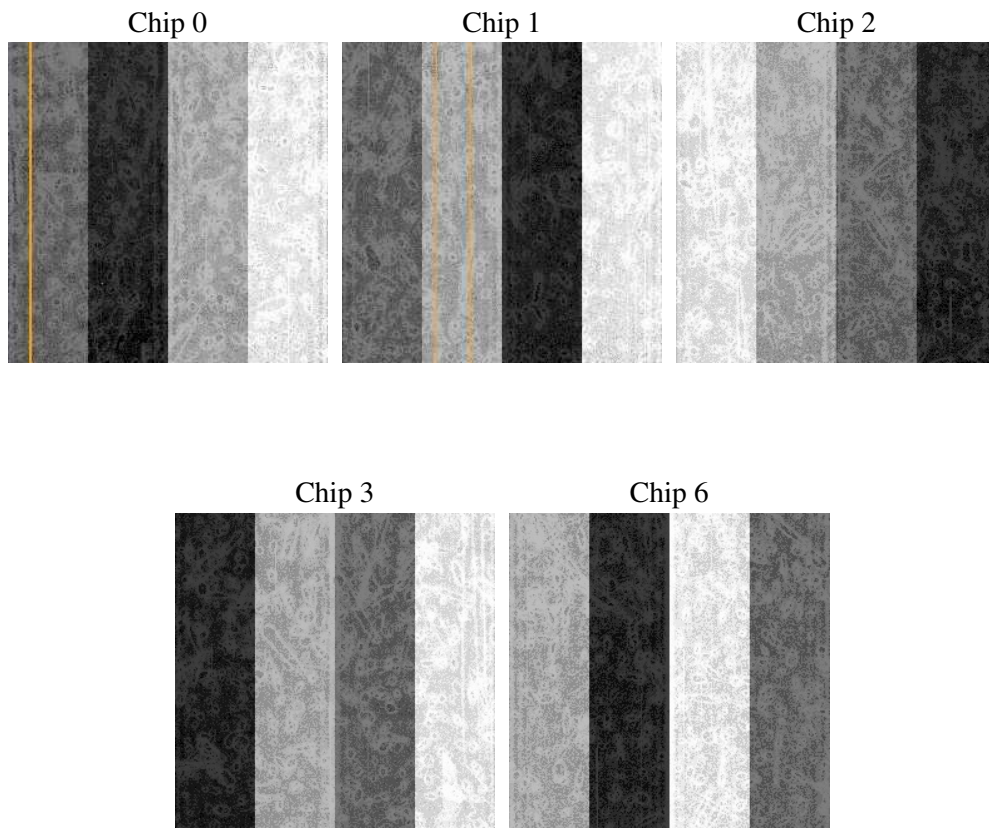
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-07T19:09:59
revision	2

sched_exp_time	19746.000000
ontime	20890.79652375
ontime0	20900.2193546
ontime1	20900.2193546
ontime2	20897.078424305
ontime3	20890.79652375
ontime6	20903.360364676
l1events	560548

### 2.1.4 Events

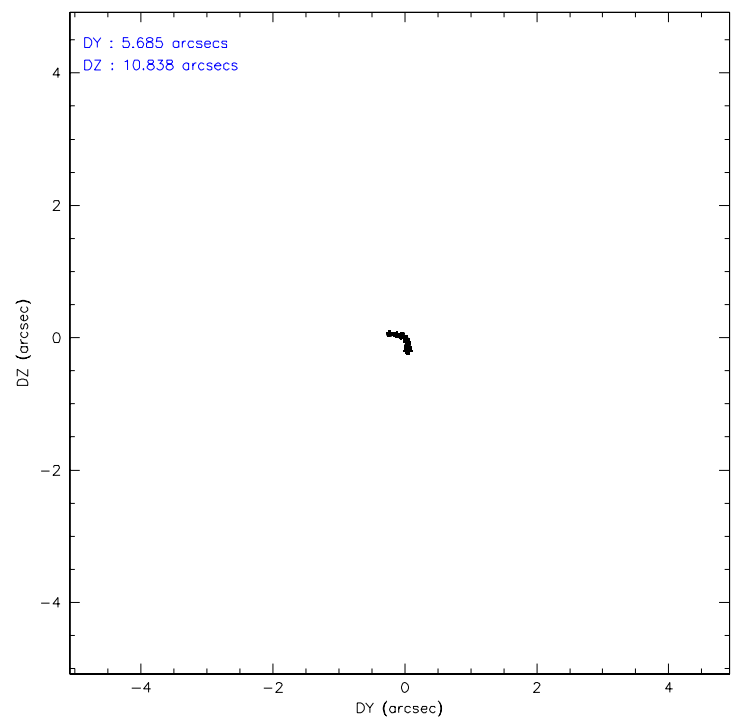
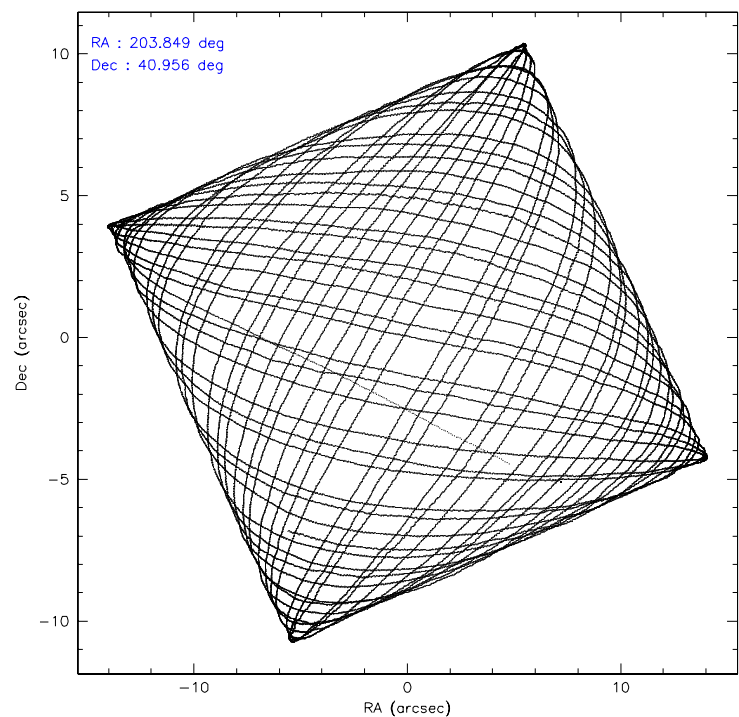
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	102932	107254	115254	126446	108662
rejected events	92682	93191	104071	99583	97950
rejected %	90%	86%	90%	78%	90%

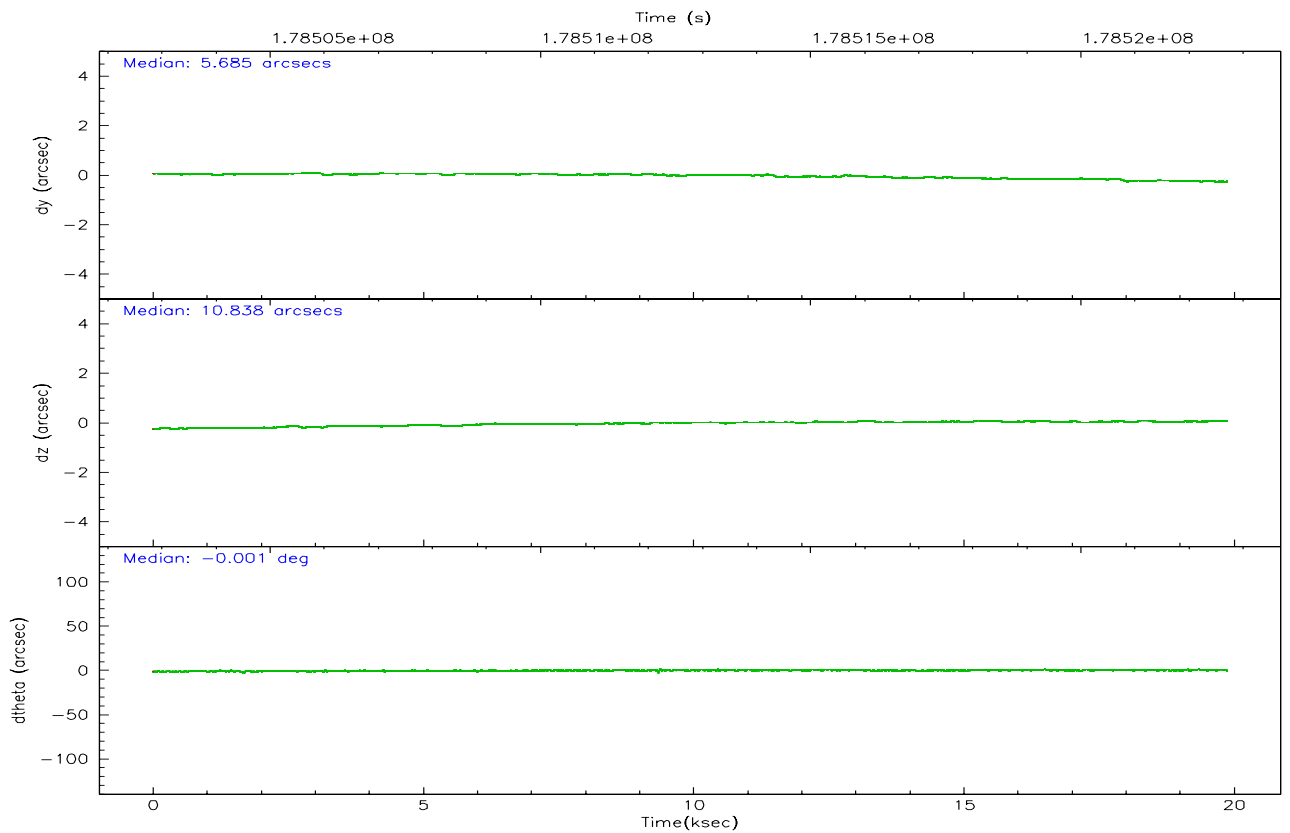
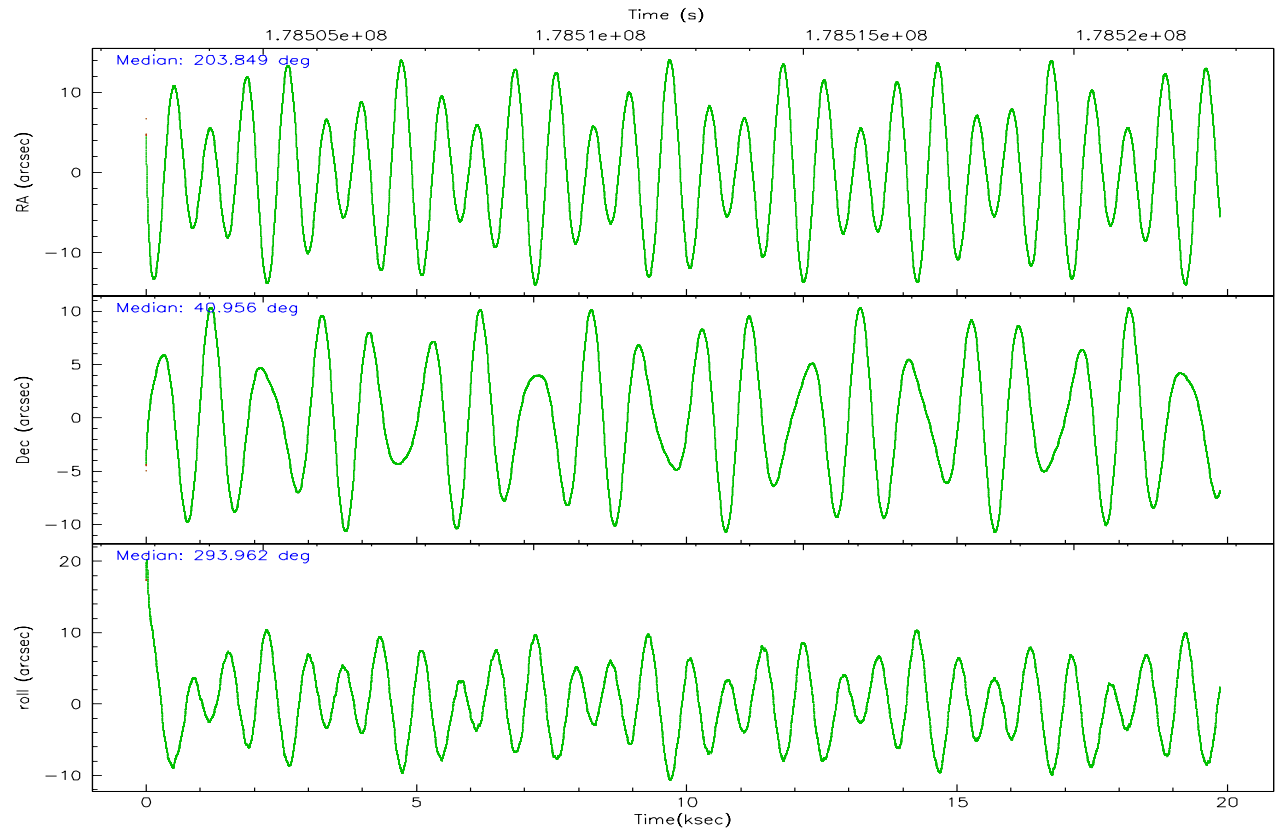
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	3904	6374	4700	17879	4007
	3%	5%	4%	14%	3%
grade 1 events	64	49	61	93	50
	0%	0%	0%	0%	0%
grade 2 events	2374	2871	2581	3802	2384
	2%	2%	2%	3%	2%
grade 3 events	1256	1435	1244	1724	1328
	1%	1%	1%	1%	1%
grade 4 events	1180	1452	1226	1745	1226
	1%	1%	1%	1%	1%
grade 5 events	3882	4014	3575	4467	4344
	3%	3%	3%	3%	3%
grade 6 events	2036	2611	1984	2418	2349
	1%	2%	1%	1%	2%
grade 7 events	88236	88448	99883	94318	92974
	85%	82%	86%	74%	85%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	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	203.819218	203.8486332840528	Alternating exposures requested	N	N
Pointing Dec	40.972132	40.95613013702431	Primary exposure time	0.000000	3.1
Pointing Roll	293.780083	293.9694894925671			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-226.592463	-226.5875806612856			
SIM translation stage offset (mm)	-7	-7.004872341644045			
Observation start time	178502955.184000	178501478.10686			
Observation start date	2003-08-29T00:08:11	2003-08-28T23:44:38			
Observation end time	178522701.184000	178523415.6703			
Observation end date	2003-08-29T05:37:17	2003-08-29T05:50:15			
Read mode	TIMED	TIMED			

2.3 Aspect





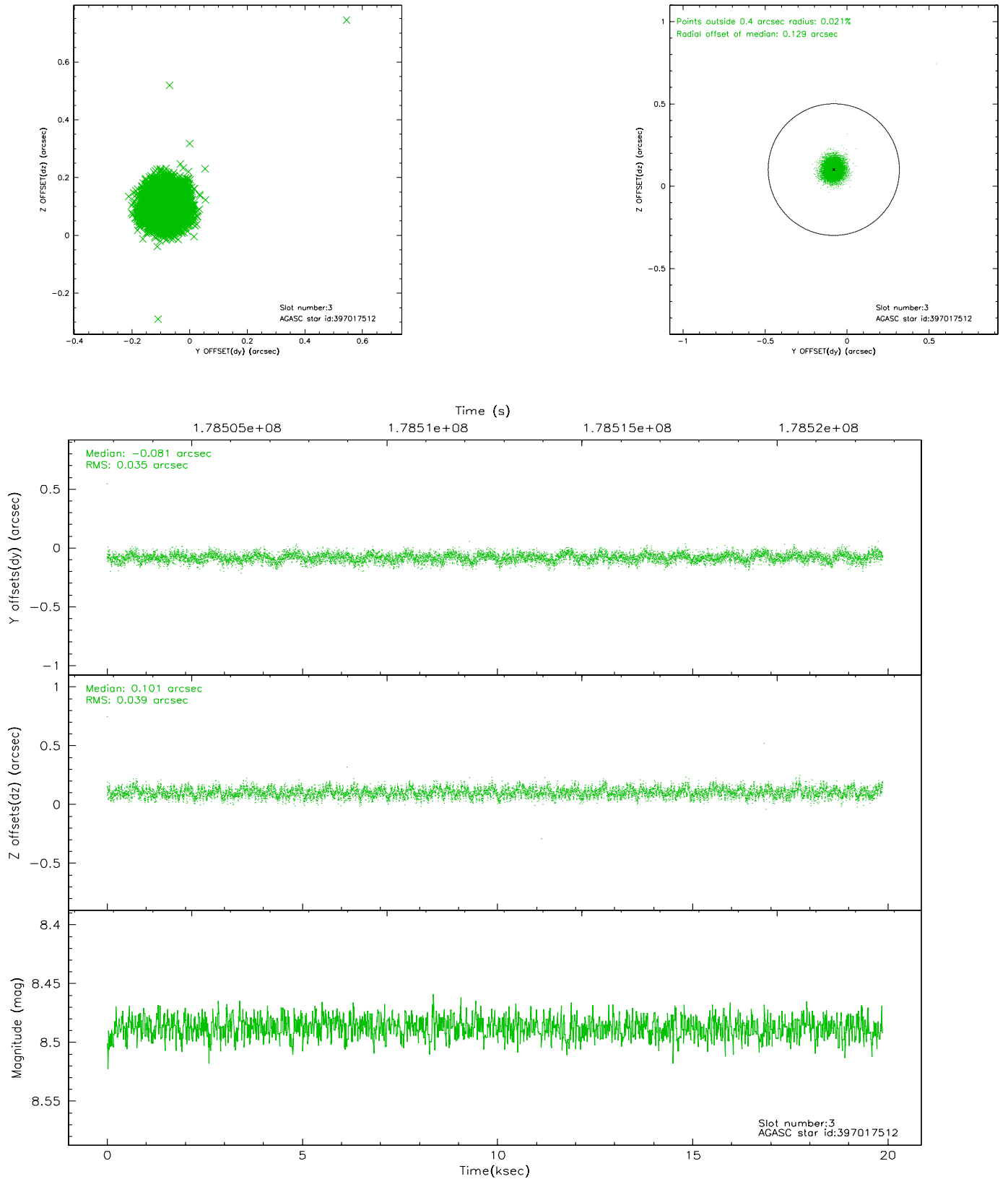
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	4848	0.078	-0.024	0.007	0.011	0.000000	0.000000	934.00	-978.12
1	FID	ACIS-I-5	7.22	4846	-0.205	0.086	0.007	0.011	0.000000	0.000000	-1814.25	919.39
2	FID	ACIS-I-6	7.25	4848	0.036	0.008	0.008	0.013	0.000000	0.000000	399.34	1564.00
3	GUIDE	397017512	8.49	9691	-0.081	0.101	0.055	0.088	203.541204	41.269966	-1285.42	-255.51
4	GUIDE	397020624	8.55	9692	-0.021	-0.117	0.081	0.130	204.395156	41.434823	-902.08	2095.76
5	GUIDE	397020968	9.29	9686	0.022	0.007	0.097	0.154	204.498416	41.216332	-69.48	2040.91
6	GUIDE	397024152	8.87	9692	0.062	0.023	0.076	0.127	203.568845	40.711407	583.07	-1002.81
7	GUIDE	397024944	9.65	9685	0.011	-0.012	0.109	0.174	204.333652	41.529745	-1281.67	2079.61

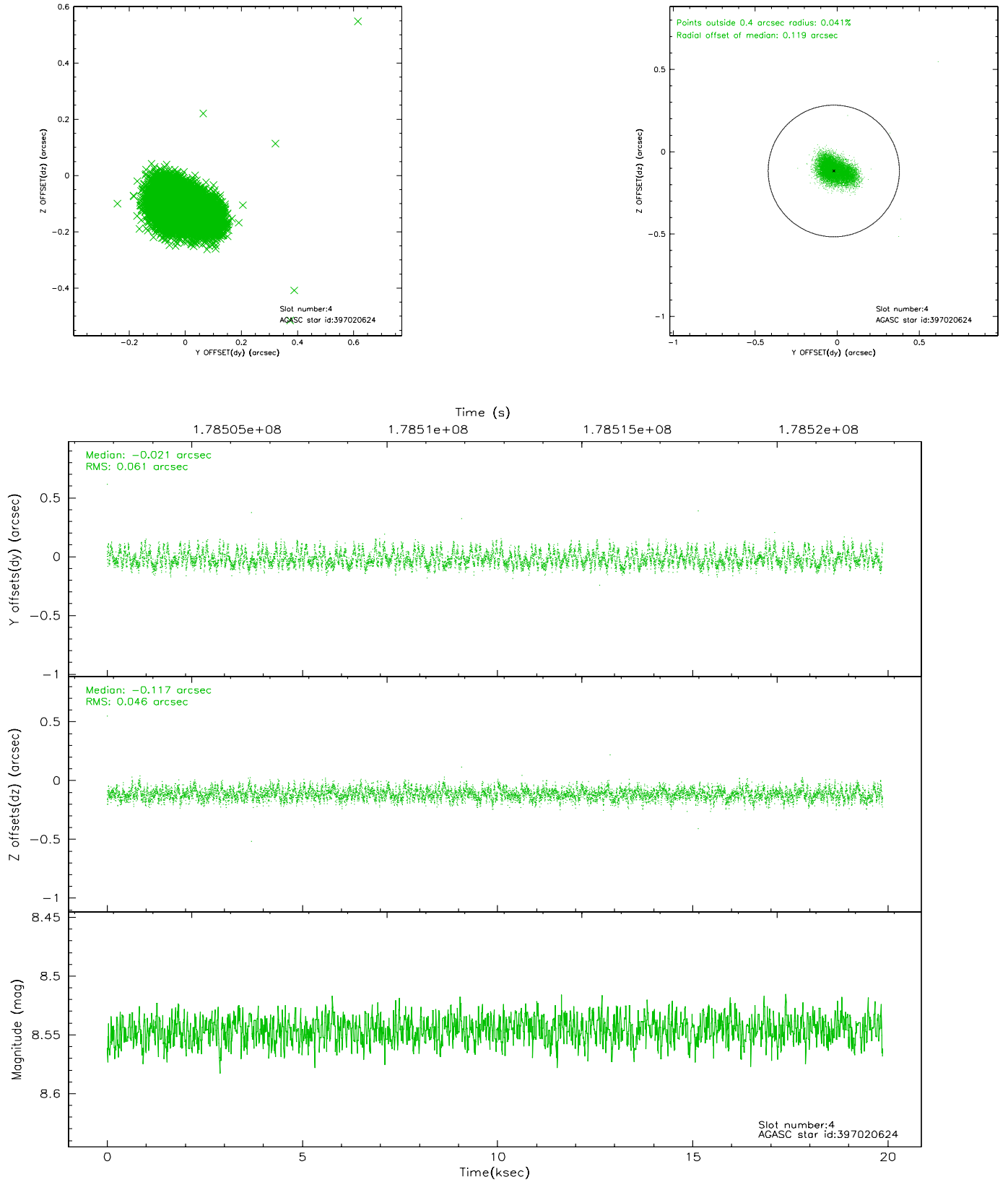


## 2.4 Star Slots

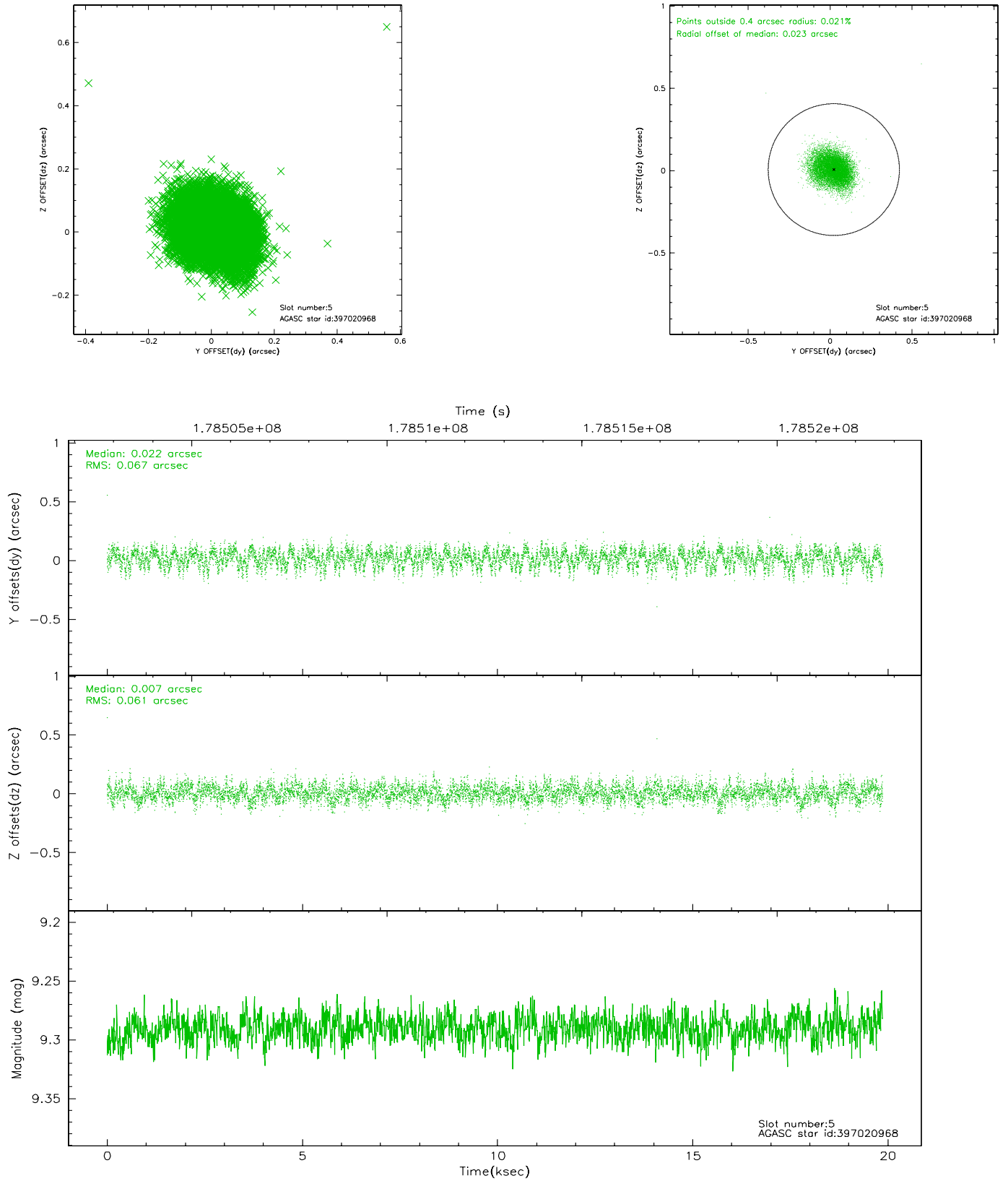
### 2.4.1 Slot 3



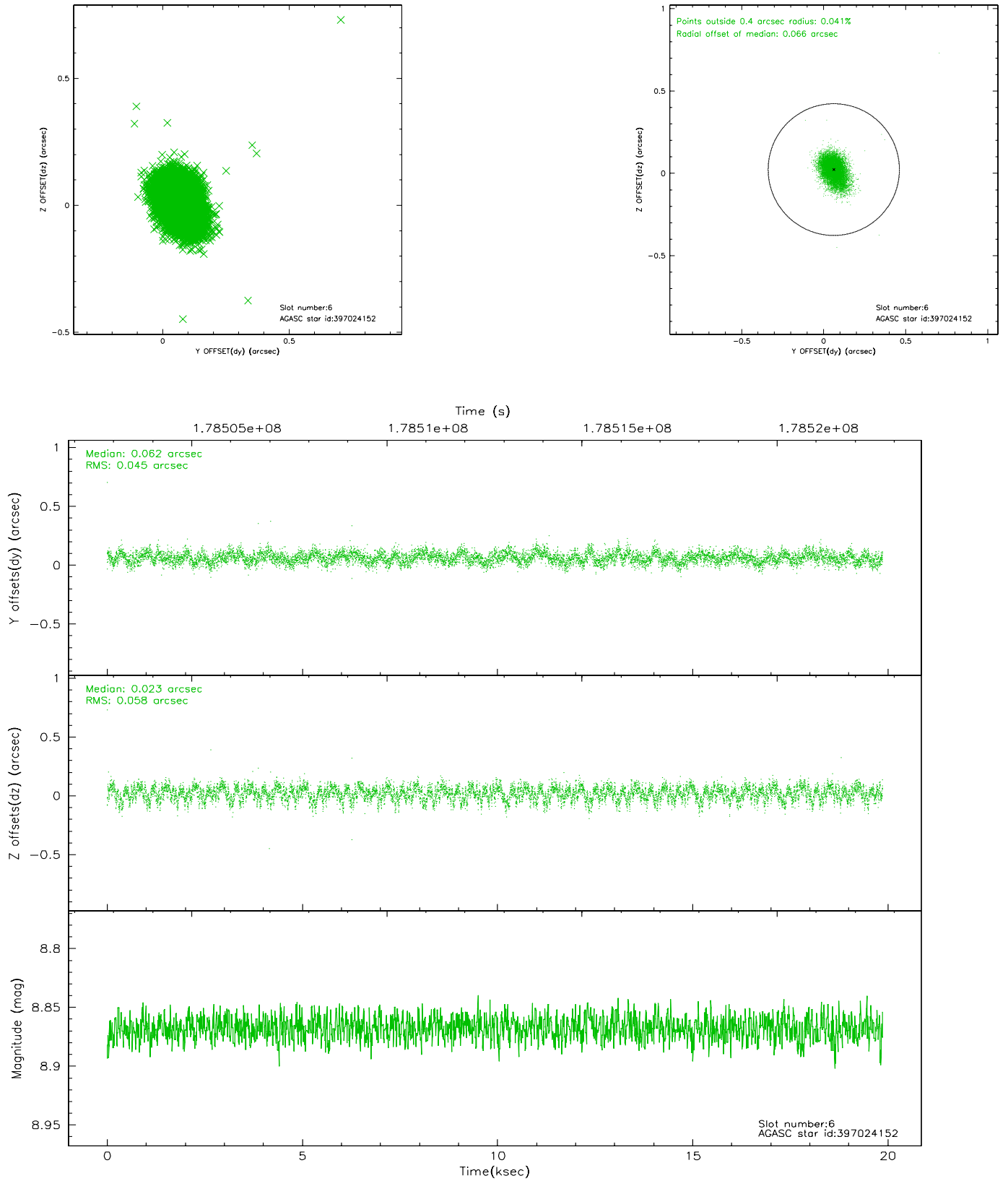
## 2.4.2 Slot 4



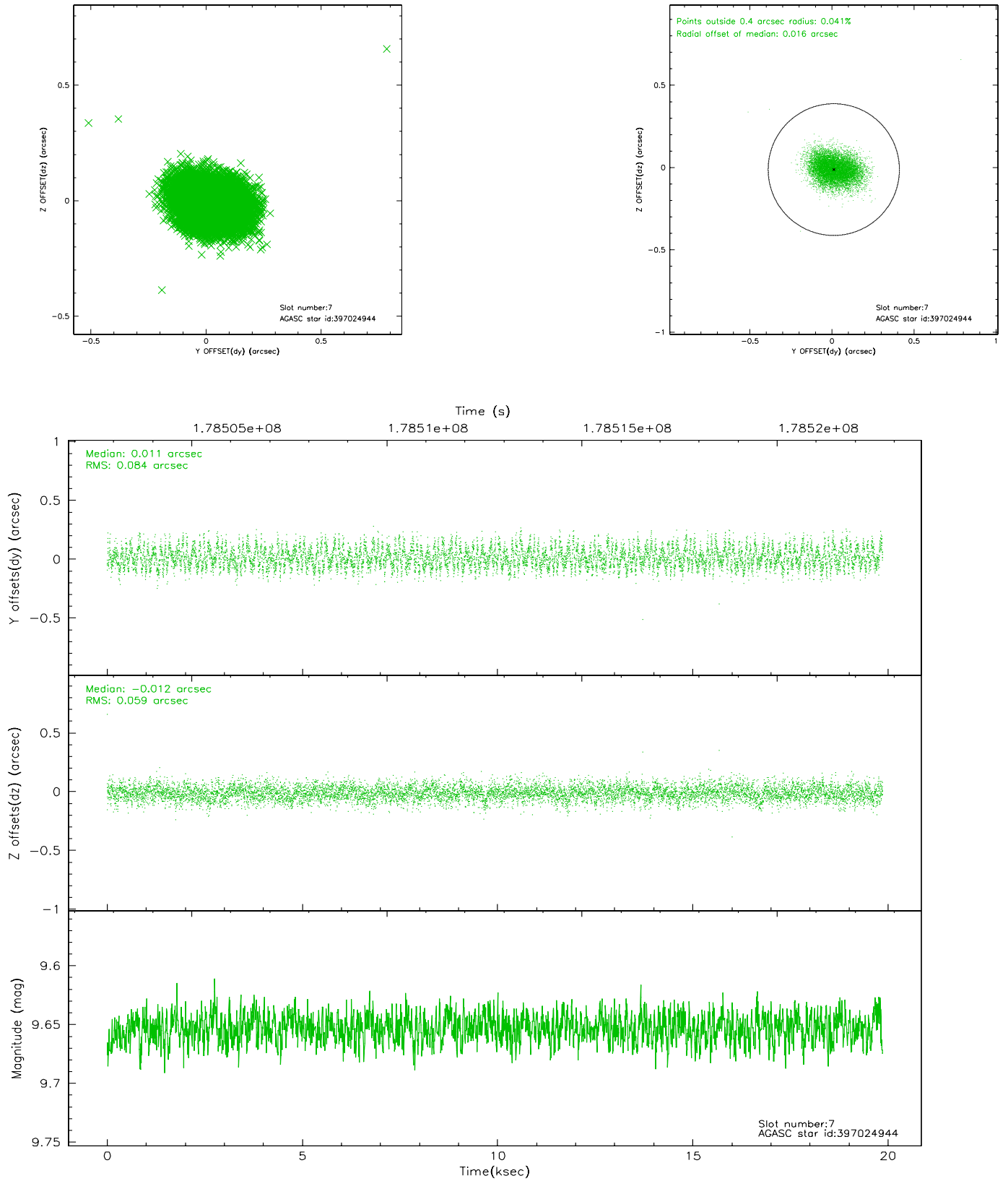
### 2.4.3 Slot 5



## 2.4.4 Slot 6

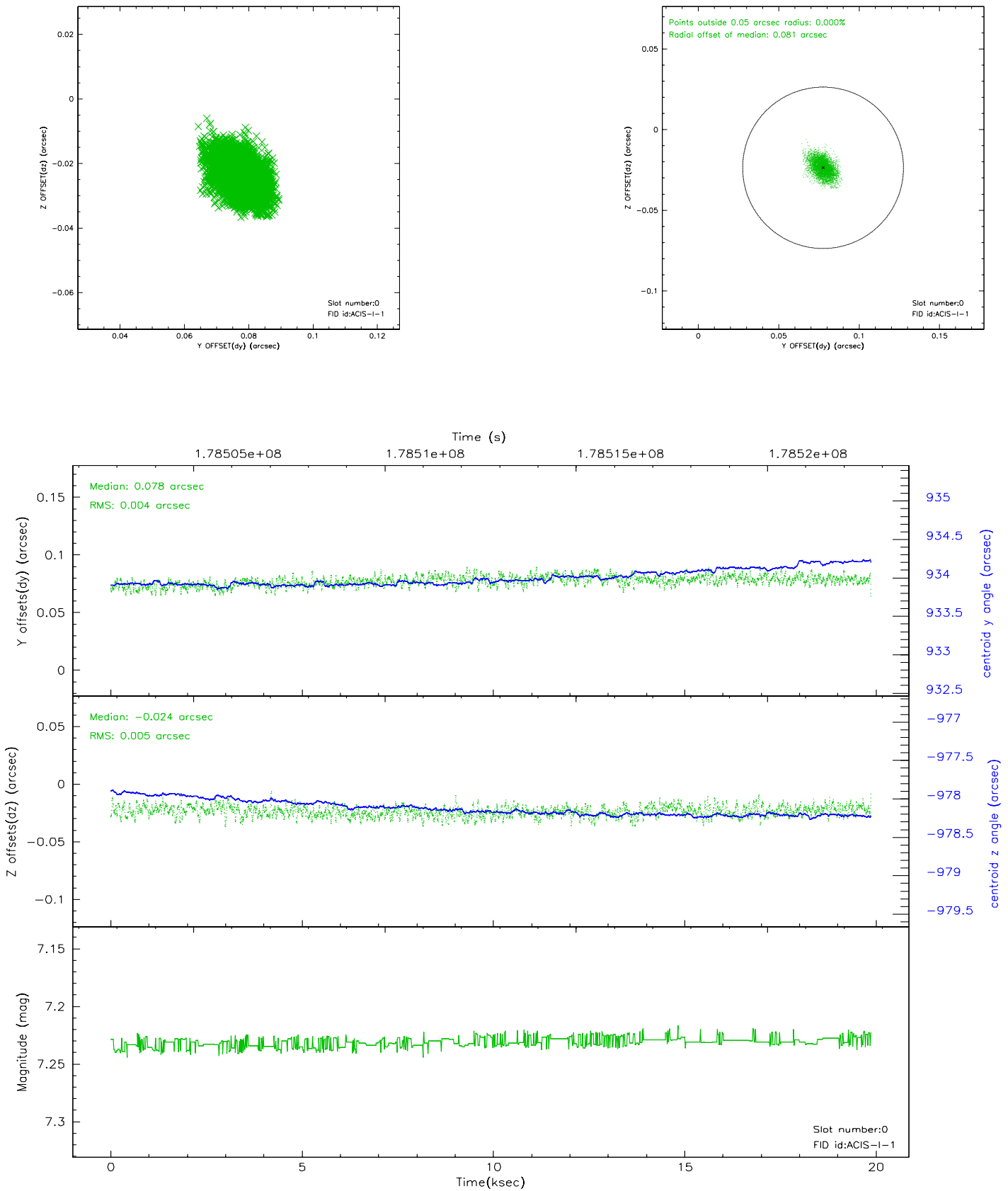


## 2.4.5 Slot 7

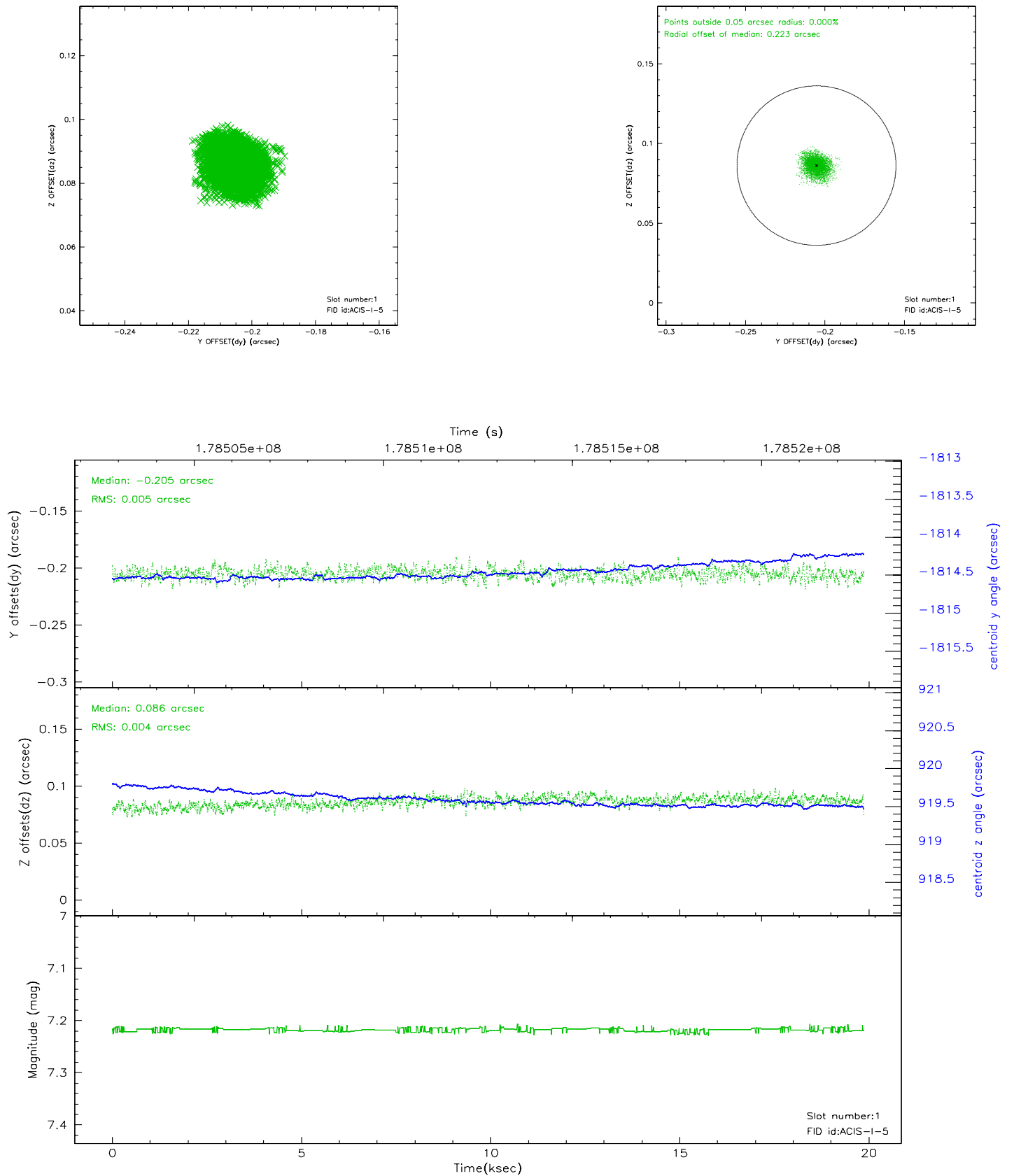


## 2.5 FID Slots

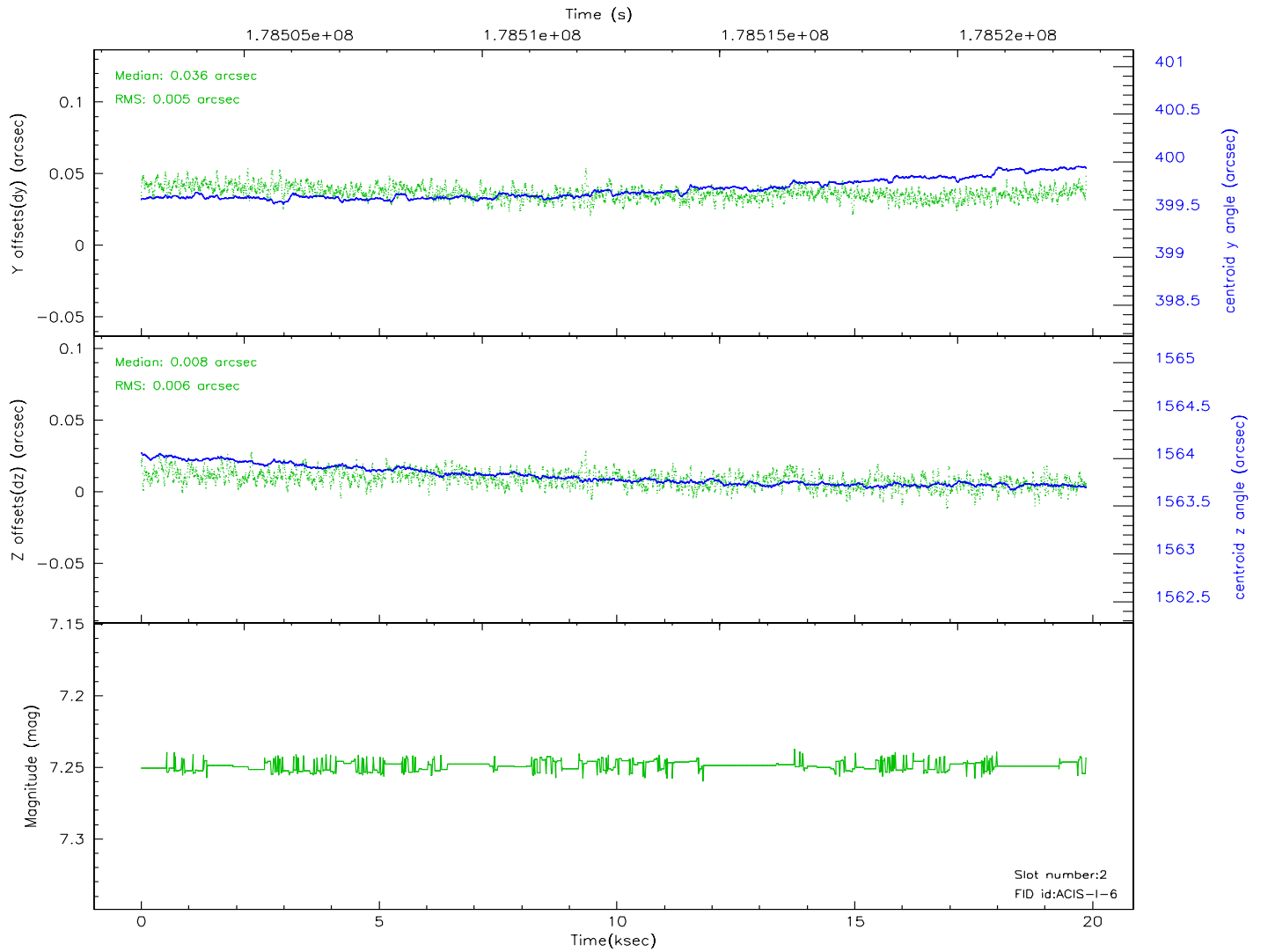
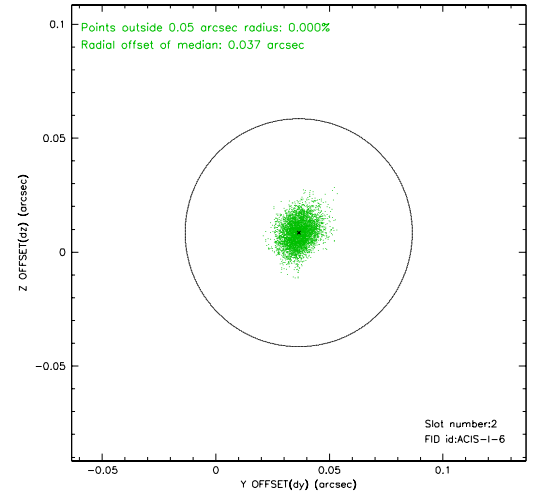
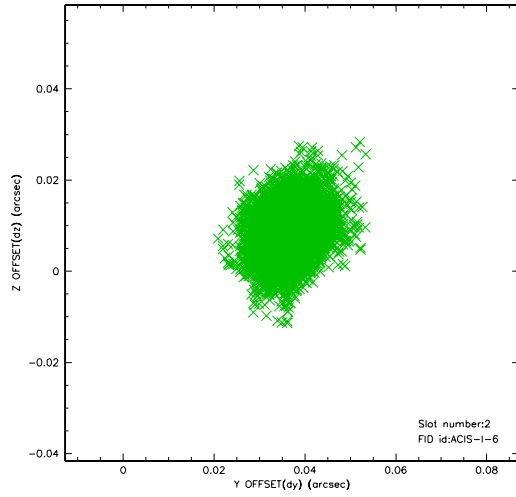
### 2.5.1 Slot 0



## 2.5.2 Slot 1

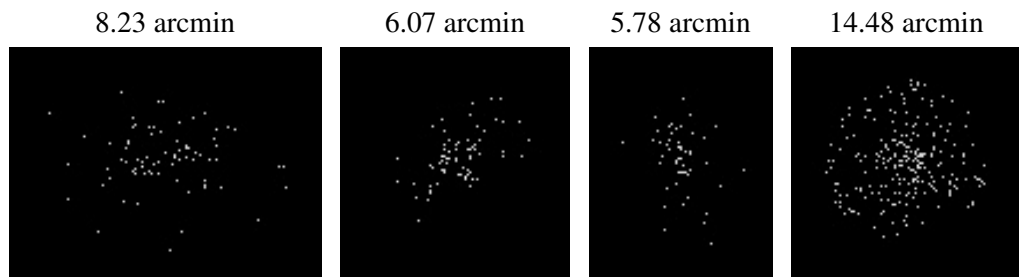


### 2.5.3 Slot 2





### 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	19.864

### A.2 Comments