

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 5266 - L2 Version 001  
Chandra X-Ray Center

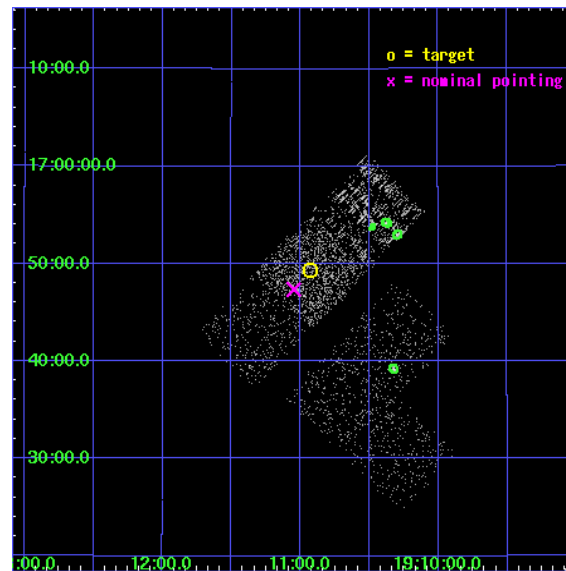
L2 Processing Date : Jun 26 2006

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# 1 Front

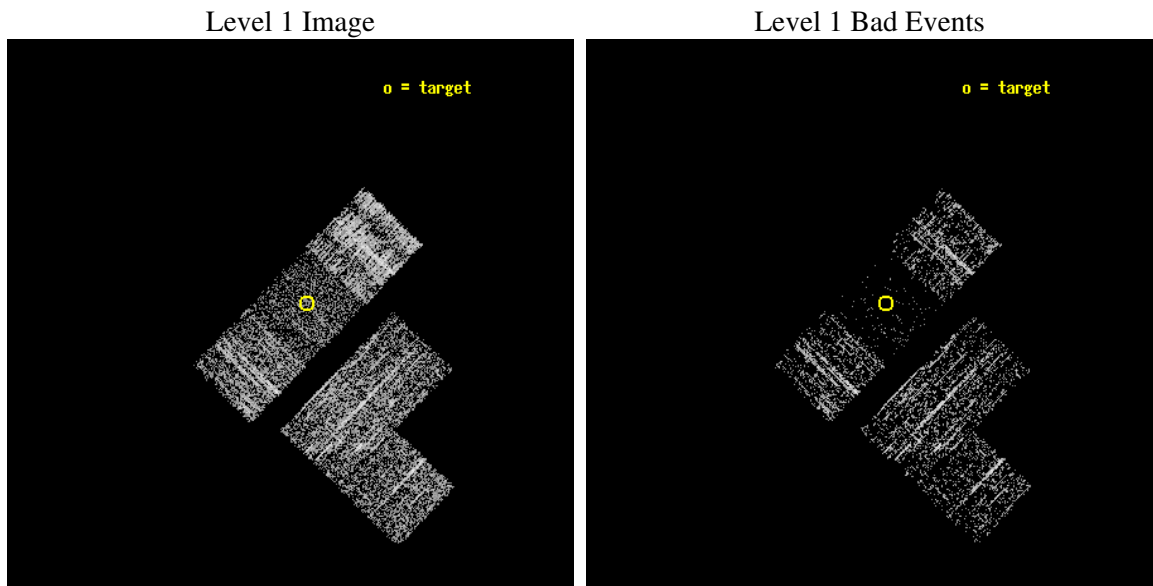
seq_num	100051
obs_id	5266
title	High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation
observer	Dr. Carey Lisse
object	2P/Encke (2003)
dtcycle	0
cycle	P
ra_targ	287.73185
dec_targ	16.82169
ra_nom	287.76185992566
dec_nom	16.789486821432
roll_nom	314.14794228389
revision	2
ontime	1471.9999945164
livetime	1453.3606442538
ontime0	1471.9999945164
ontime2	1471.9999945164
ontime3	1471.9999945164
ontime6	1471.9999945164
ontime7	1471.9999945164
ontime8	1471.9999945164
l2events	4213



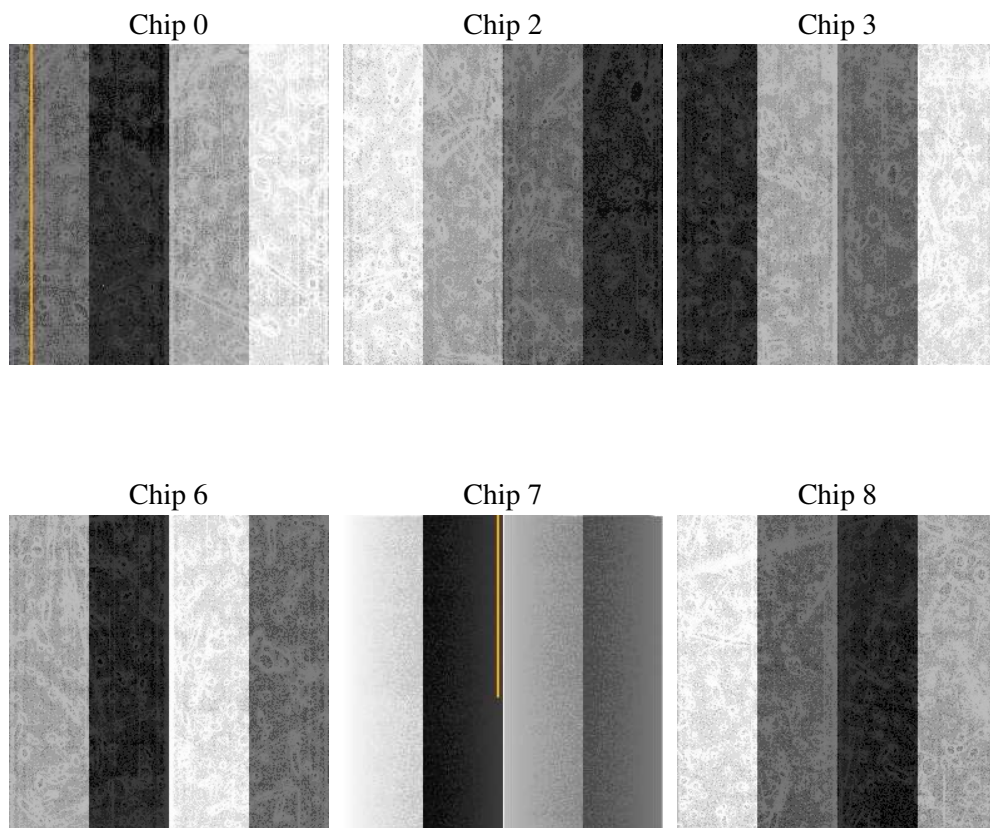
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.8
caldsver	3.2.2
date	2006-06-26T18:51:44
revision	2

sched_exp_time	1290.000000
ontime	1801.9967778921
ontime0	1801.9967579842
ontime2	1801.9967778921
ontime3	1801.9967778921
ontime6	1801.9967778921
ontime7	1801.9967778921
ontime8	1801.9967579842
l1events	39653

### 2.1.4 Events

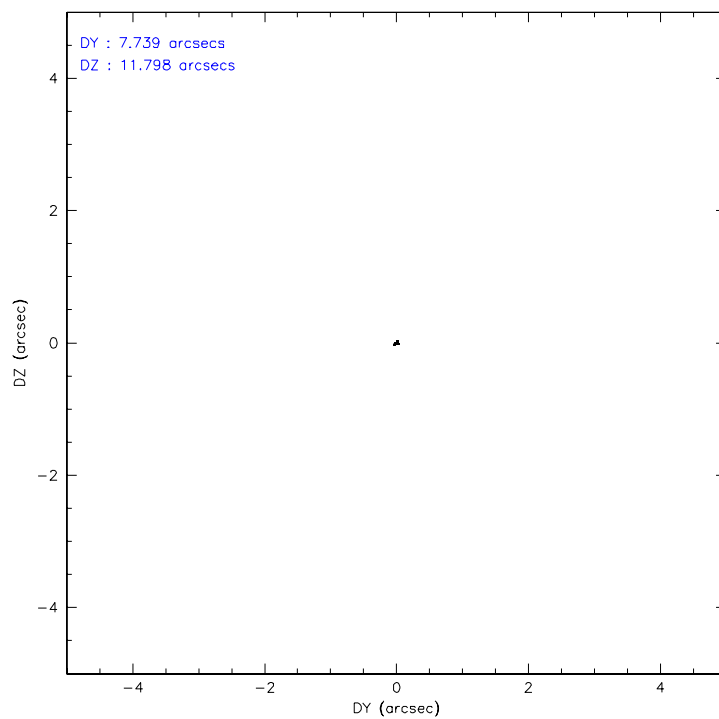
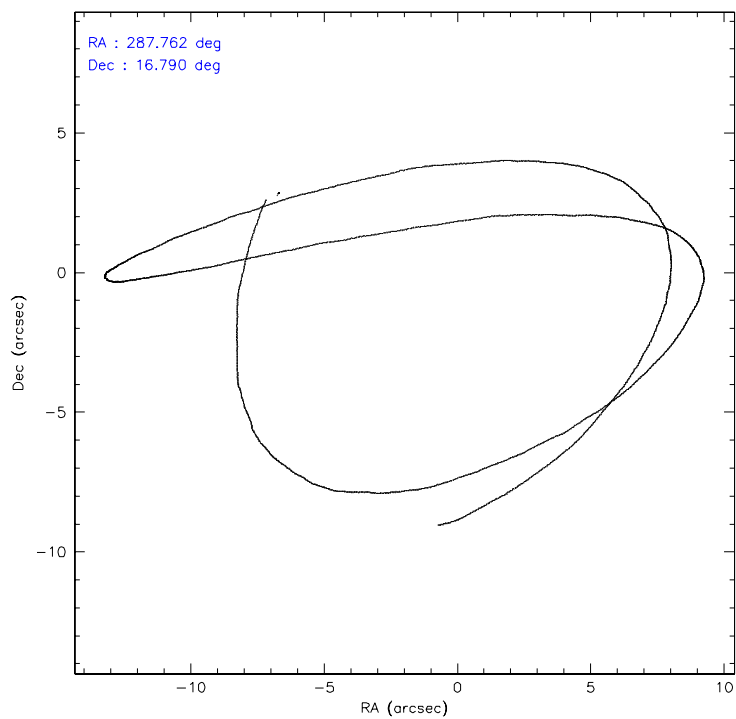
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	5292	7495	5671	6930	2518	11747
rejected events	4819	6906	5301	6421	1060	7103
rejected %	91%	92%	93%	92%	42%	60%

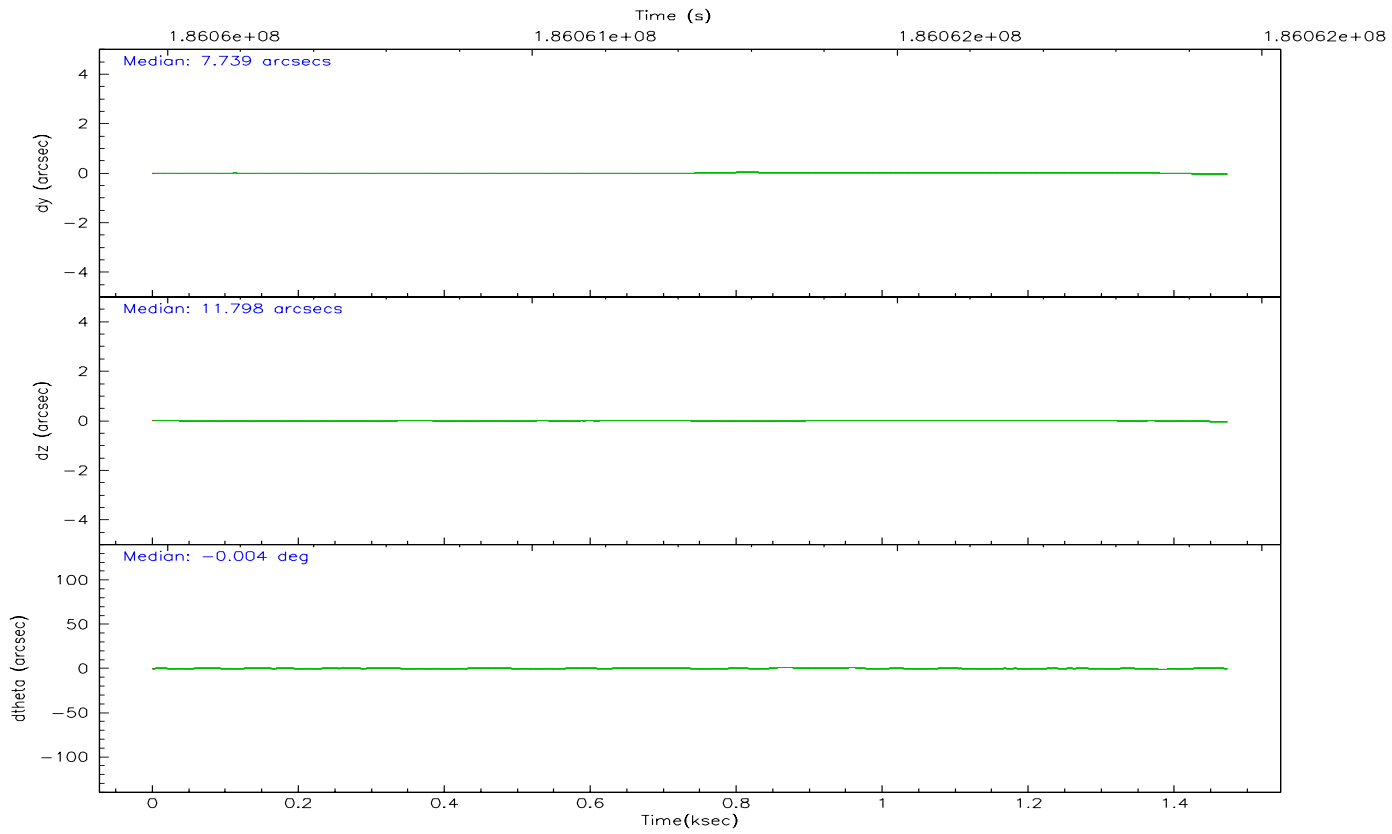
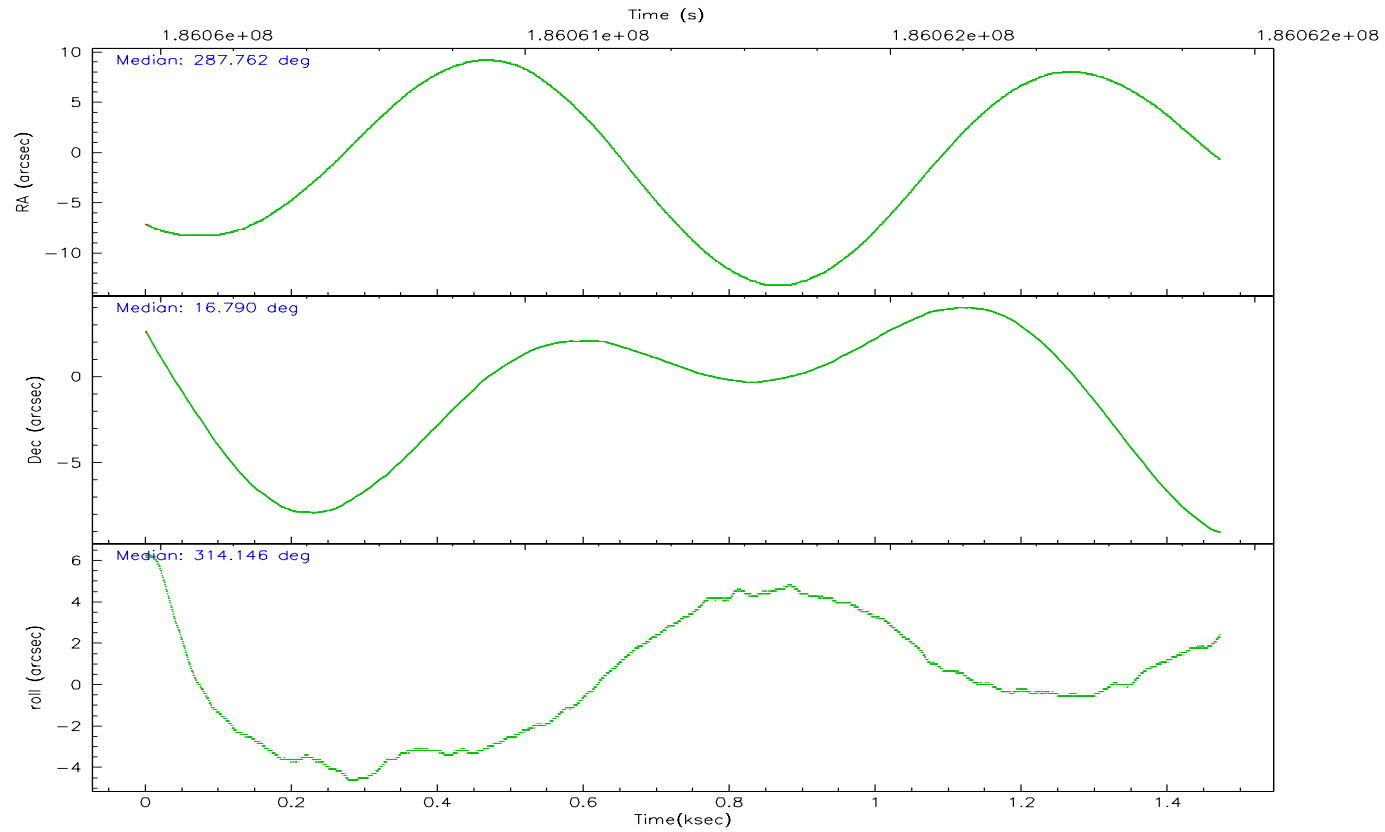
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	266	326	241	303	326	1802
	5%	4%	4%	4%	12%	15%
grade 1 events	2	2	2	2	4	17
	0%	0%	0%	0%	0%	0%
grade 2 events	165	176	86	156	521	956
	3%	2%	1%	2%	20%	8%
grade 3 events	56	60	43	56	172	945
	1%	0%	0%	0%	6%	8%
grade 4 events	48	80	45	48	147	897
	0%	1%	0%	0%	5%	7%
grade 5 events	64	61	59	57	168	164
	1%	0%	1%	0%	6%	1%
grade 6 events	43	87	45	62	610	1265
	0%	1%	0%	0%	24%	10%
grade 7 events	4648	6703	5150	6246	570	5701
	87%	89%	90%	90%	22%	48%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-023678	ACIS-023678	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	287.734228	287.761859925659	Alternating exposures requested	N	N
Pointing Dec	16.796777	16.78948682143211	Primary exposure time	0.000000	3.2
Pointing Roll	313.999310	314.1479422838853			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	186060664.184000	186060287.6322			
Observation start date	2003-11-24T11:30:00	2003-11-24T11:24:47			
Observation end time	186061954.184000	186062087.53228			
Observation end date	2003-11-24T11:51:30	2003-11-24T11:54:47			
Read mode	TIMED	TIMED			

## 2.3 Aspect





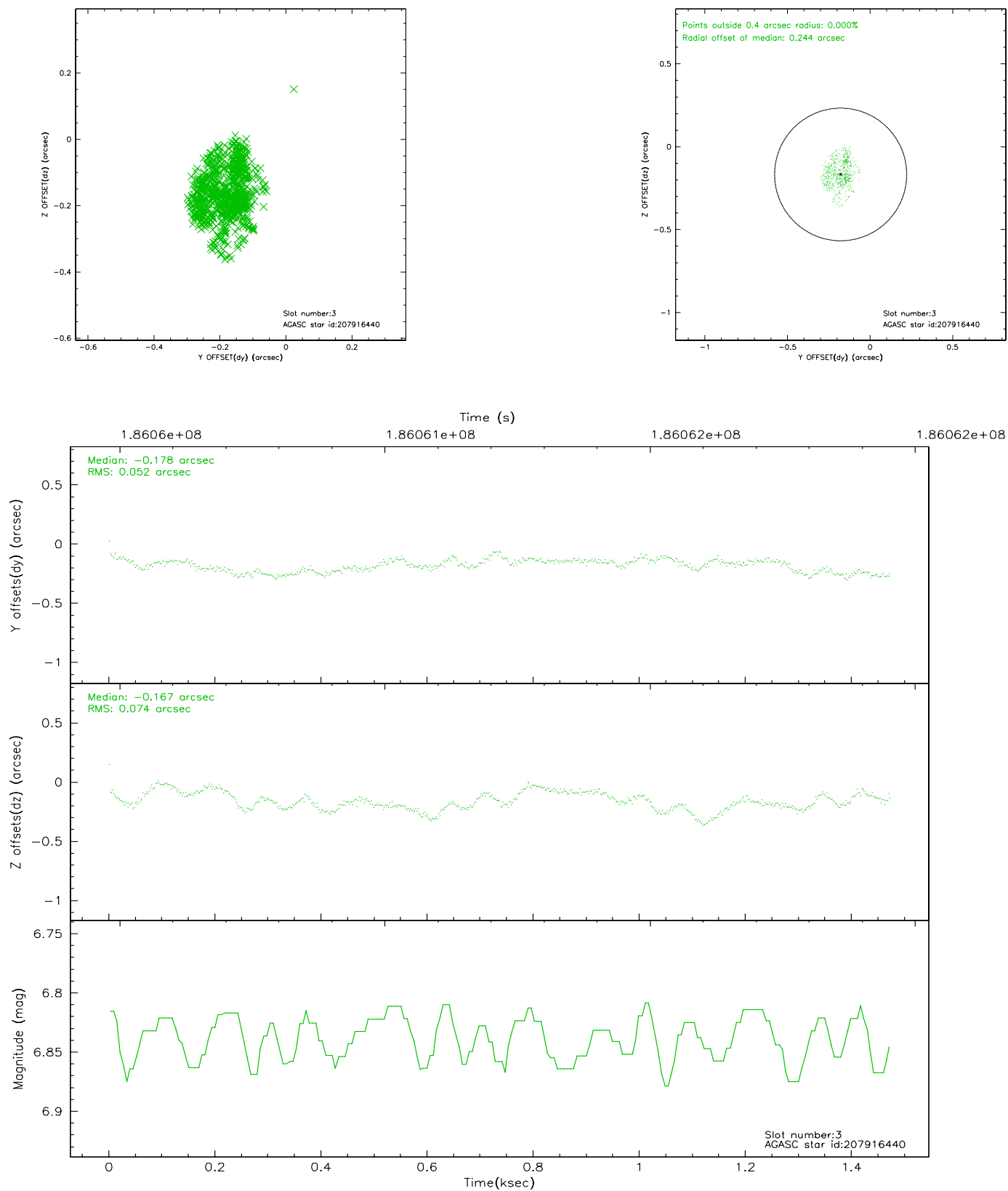
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	360	-0.002	0.011	0.006	0.013	0.000000	0.000000	-760.51	-1733.08
1	FID	ACIS-S-4	7.20	360	0.004	-0.002	0.005	0.009	0.000000	0.000000	2150.73	170.74
2	FID	ACIS-S-5	7.23	359	-0.034	-0.001	0.006	0.009	0.000000	0.000000	-1807.60	169.52
3	GUIDE	207916440	6.84	719	-0.178	-0.167	0.098	0.149	287.167522	16.851310	-1500.23	-1266.58
4	GUIDE	208416976	8.33	719	-0.149	0.061	0.100	0.144	287.326965	17.073967	-1695.33	-315.77
5	GUIDE	208421840	9.21	719	0.104	0.084	0.080	0.136	287.570311	16.918850	-711.43	-100.80
6	GUIDE	209596088	9.37	719	0.207	0.092	0.094	0.149	288.150718	16.305149	2270.19	-192.95
7	GUIDE	209585448	7.93	718	0.013	-0.068	0.062	0.098	288.114724	16.850123	774.97	1077.09

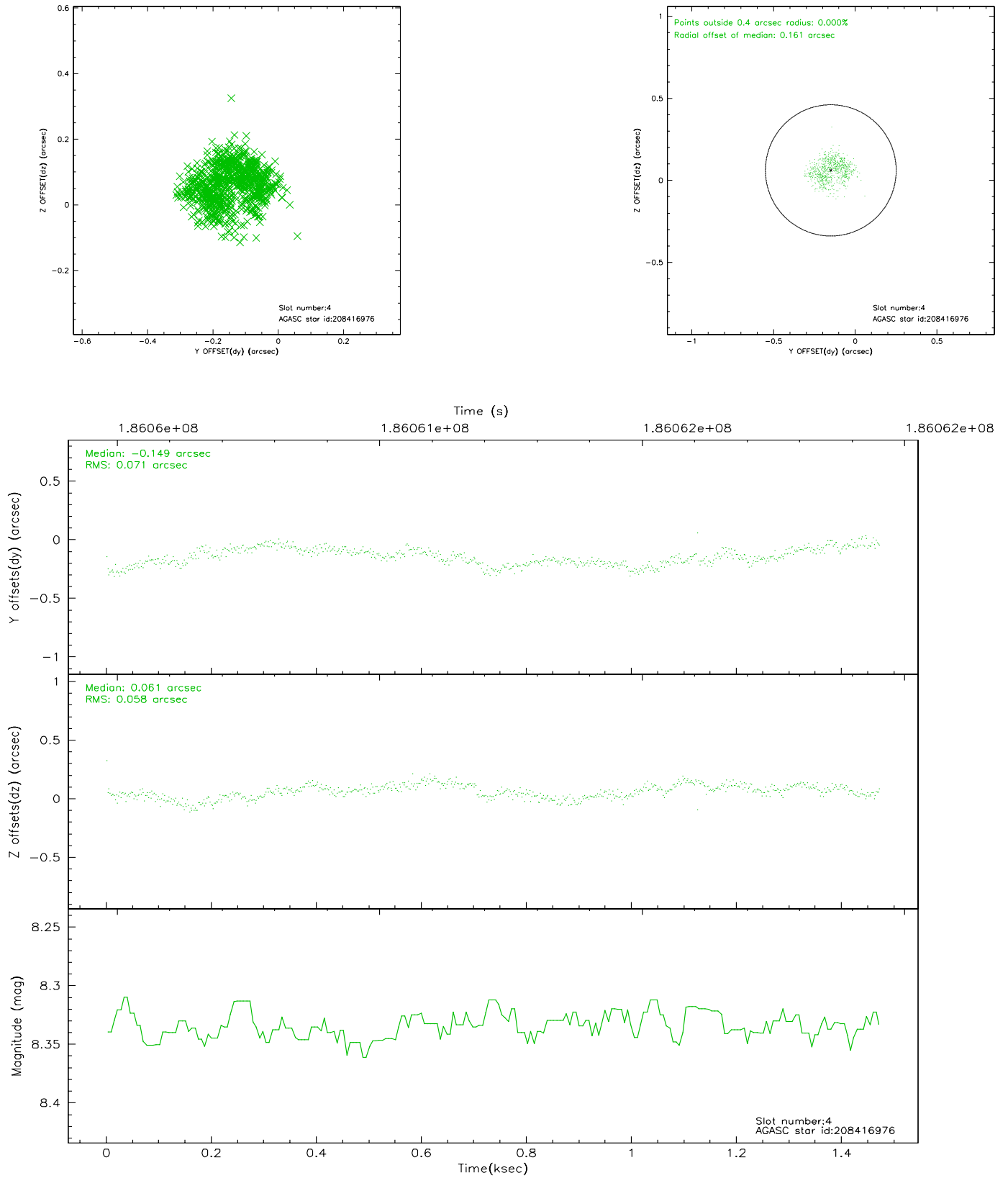


## 2.4 Star Slots

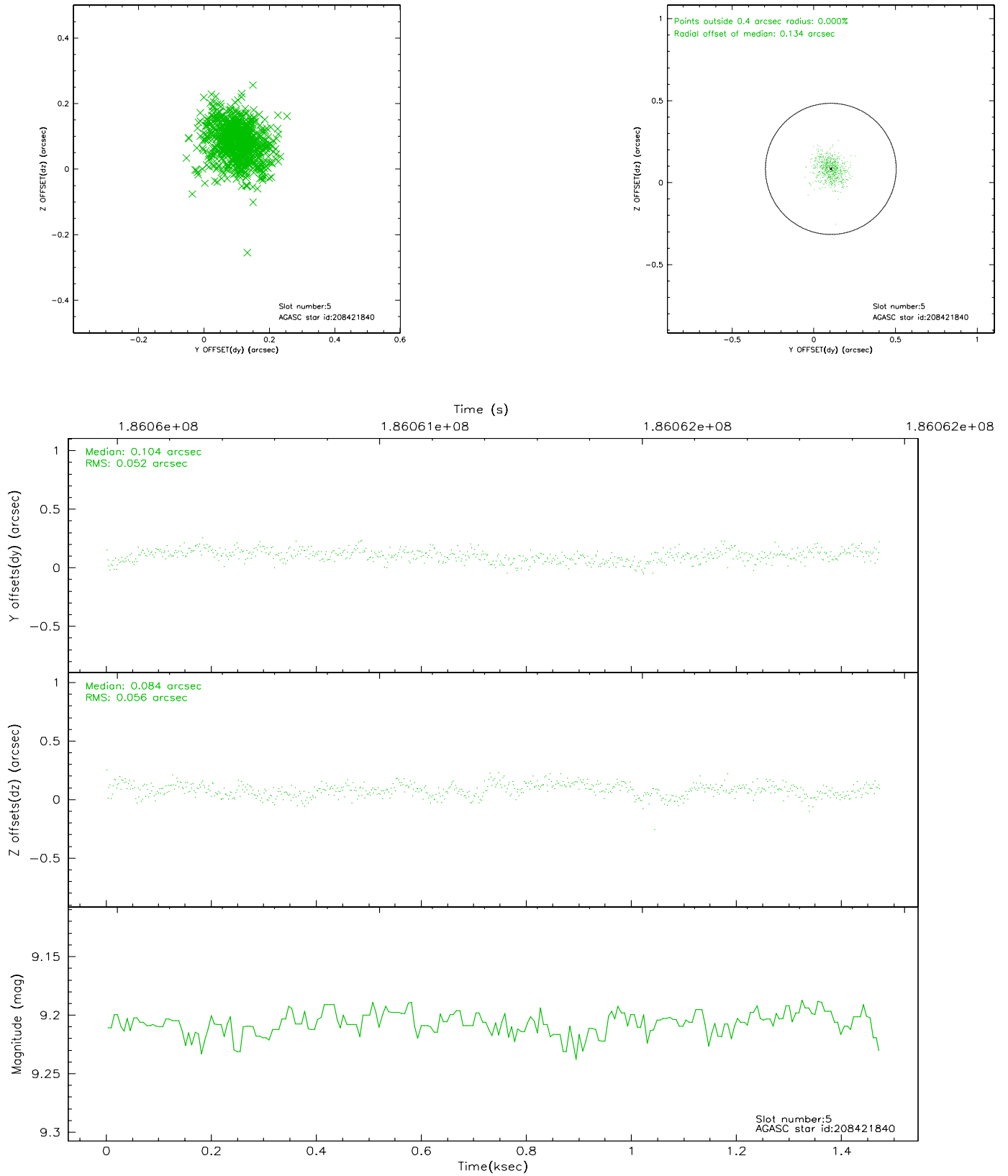
### 2.4.1 Slot 3



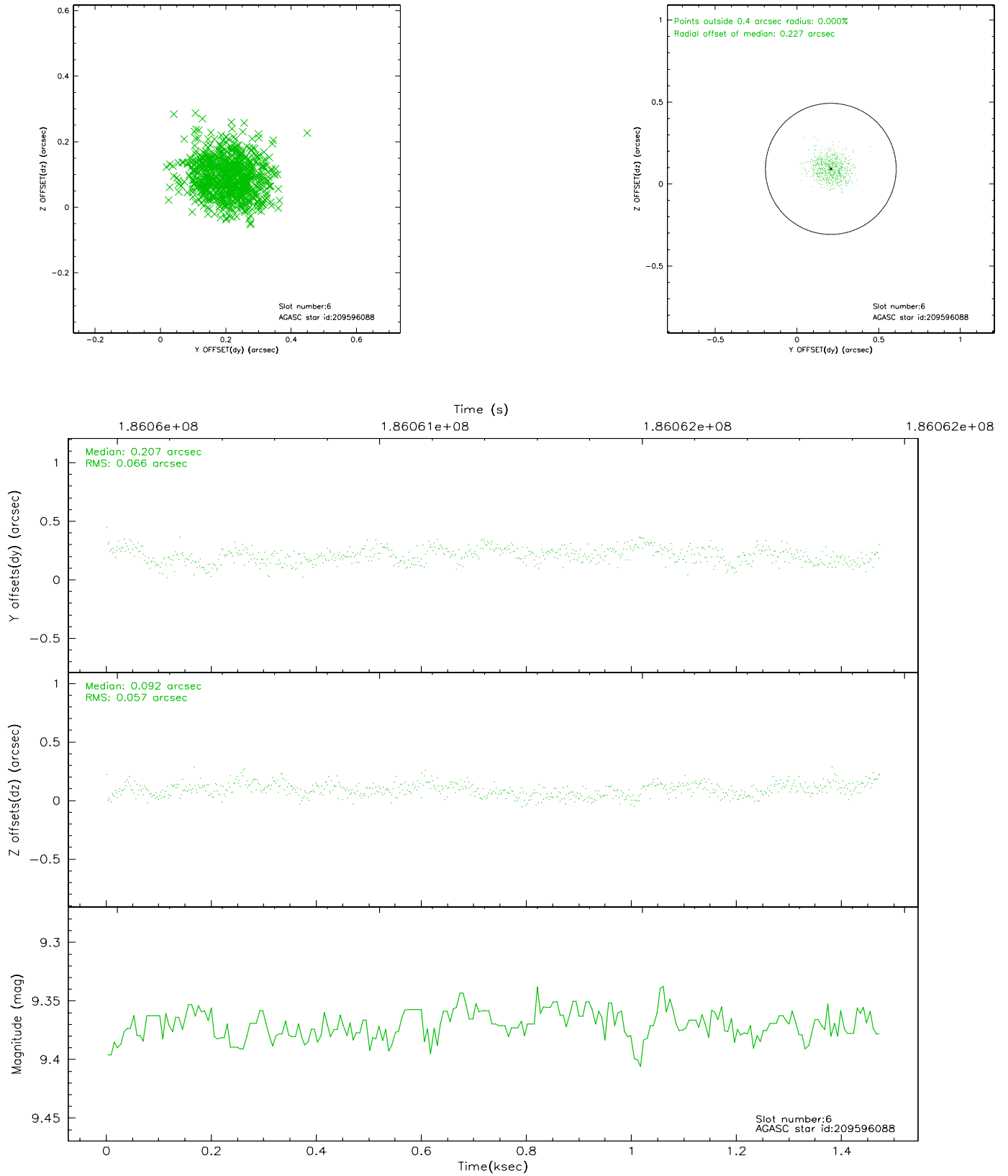
## 2.4.2 Slot 4



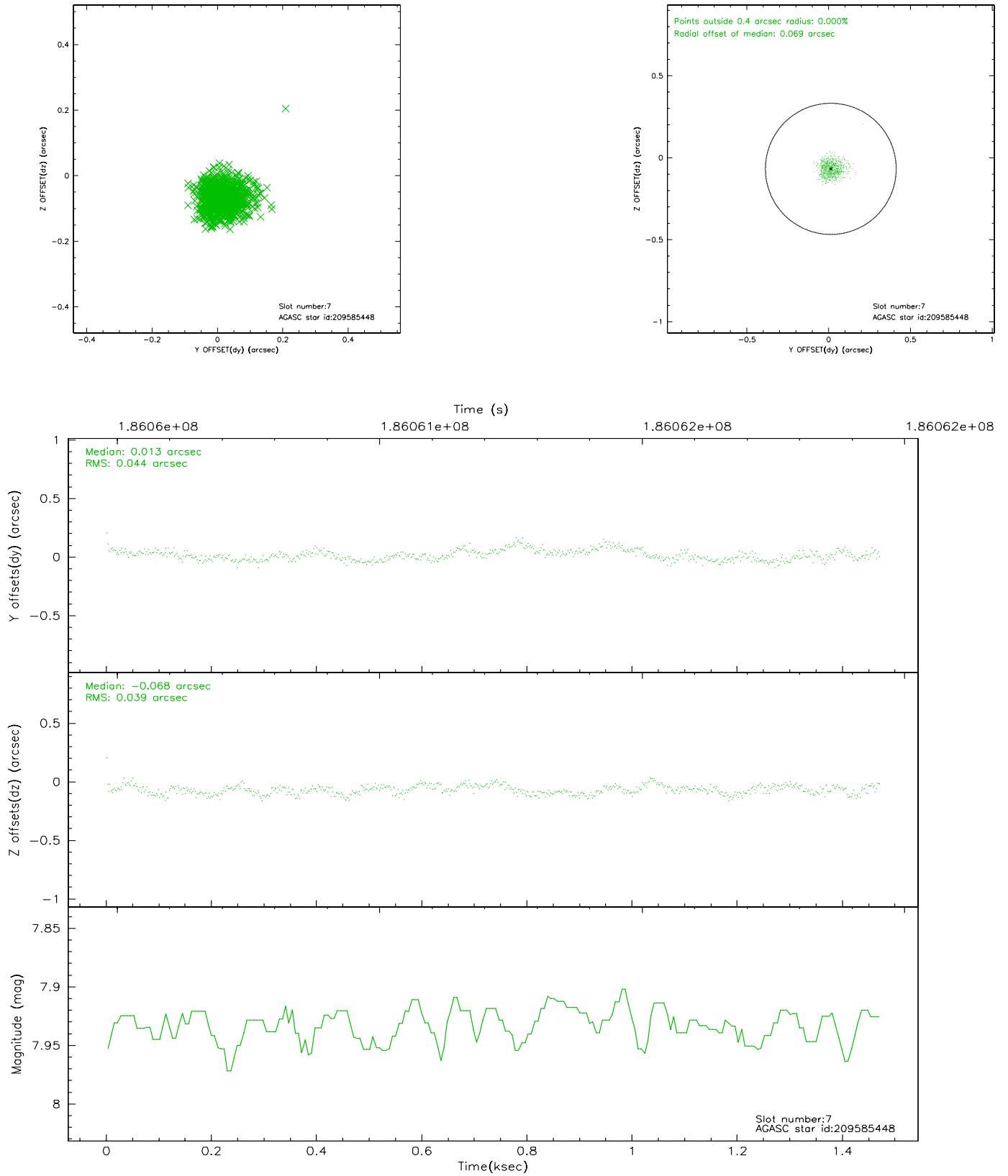
### 2.4.3 Slot 5



## 2.4.4 Slot 6

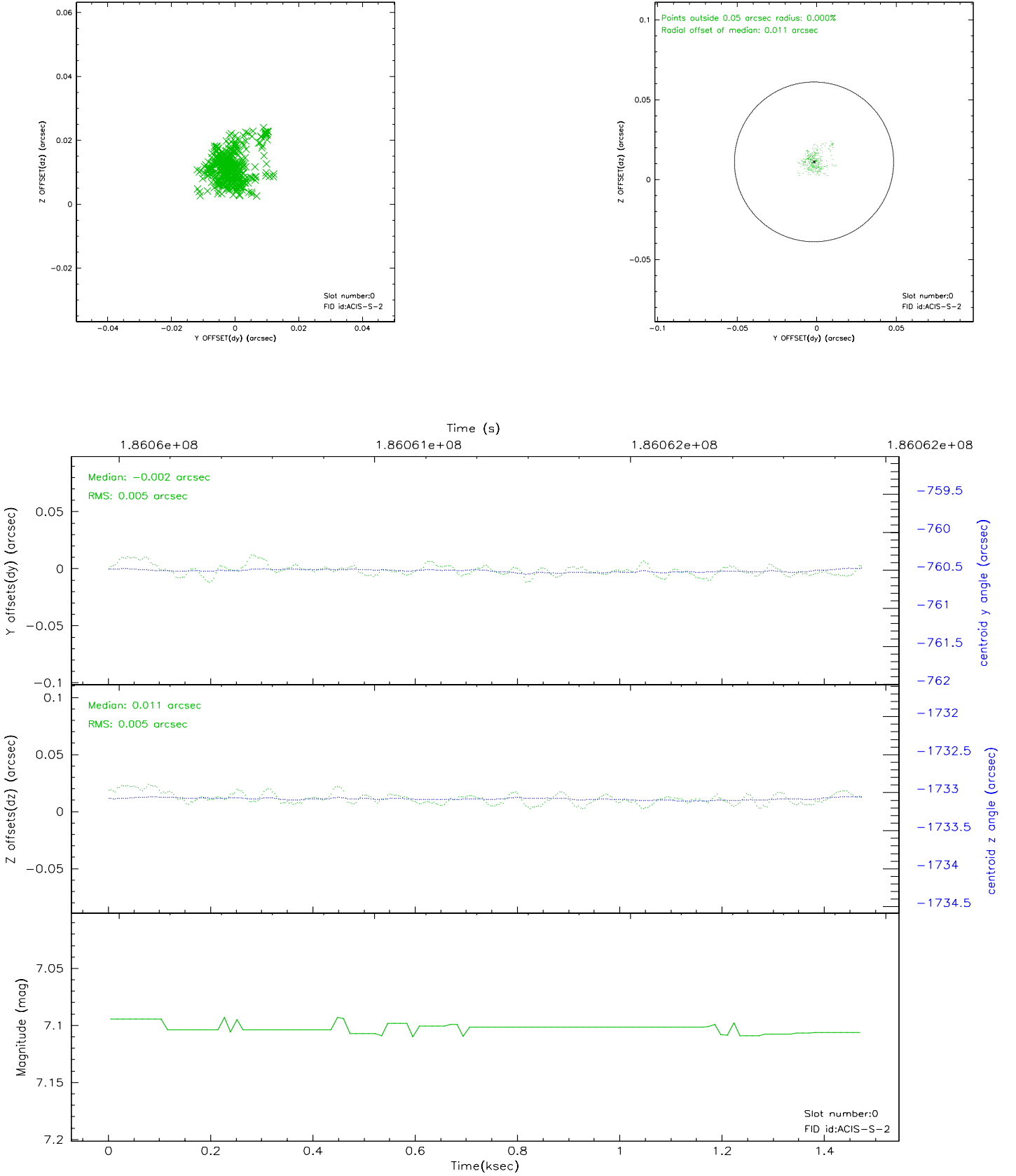


## 2.4.5 Slot 7

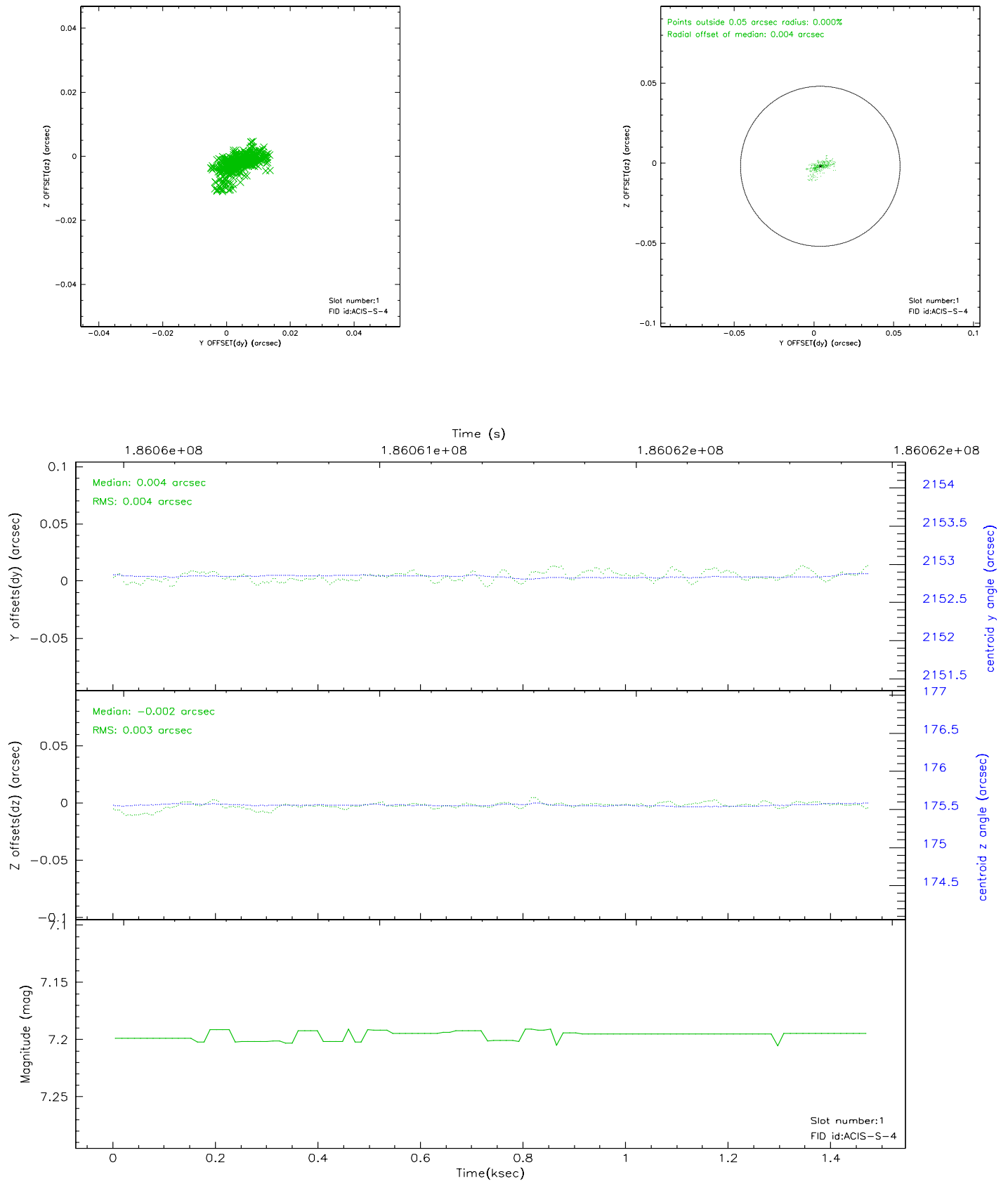


## 2.5 FID Slots

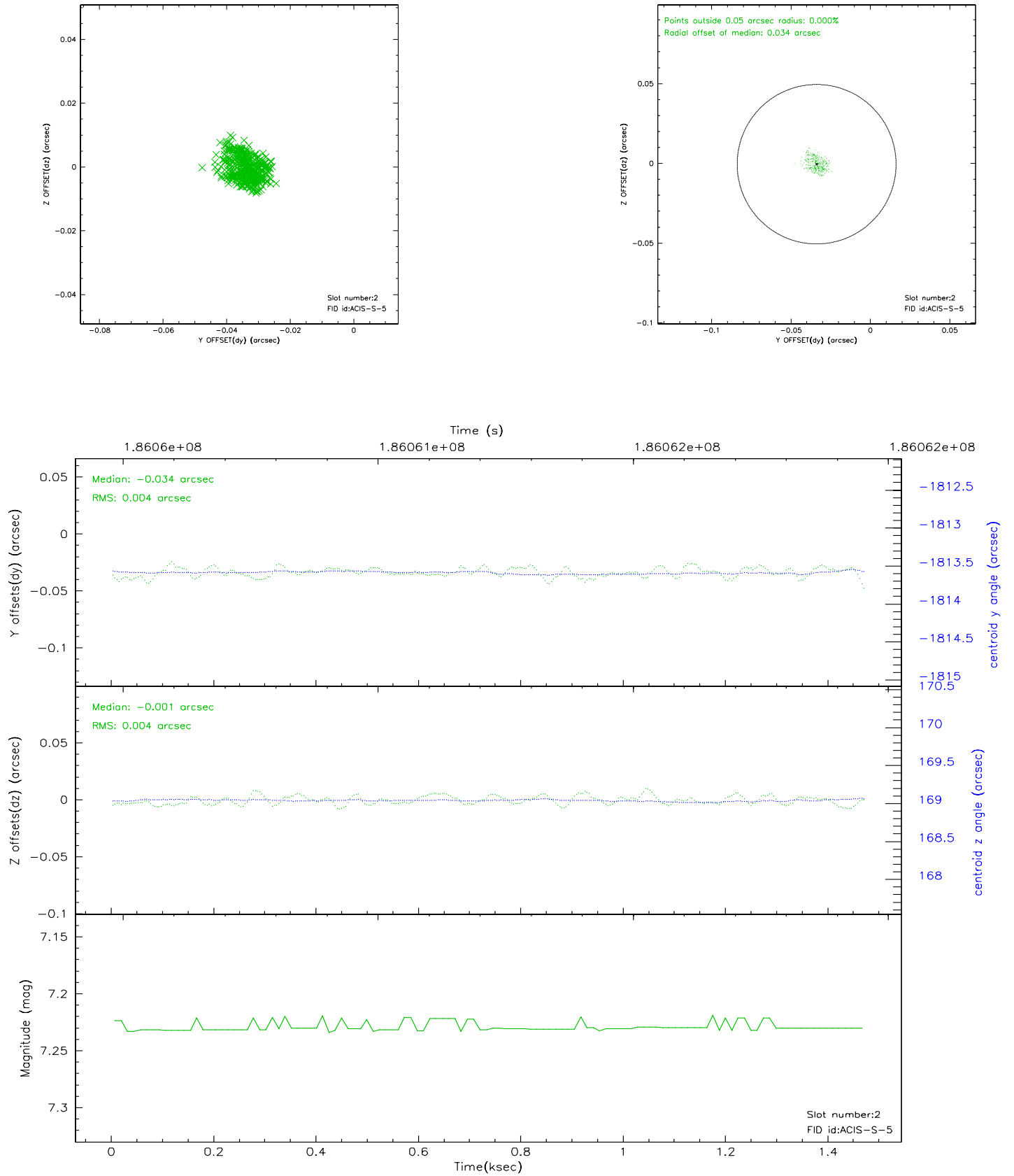
### 2.5.1 Slot 0



## 2.5.2 Slot 1

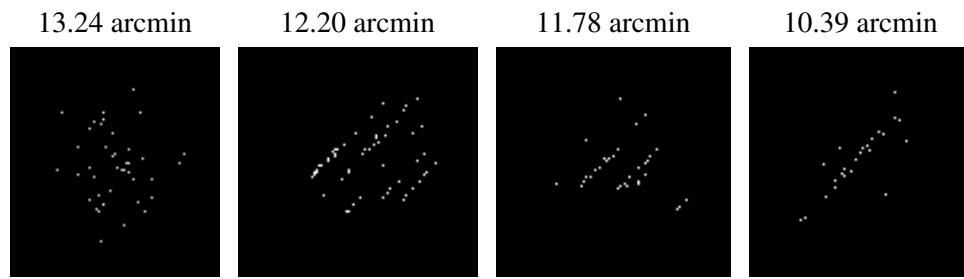


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.06.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.471

### A.2 Comments