

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 5274 - L2 Version 001  
Chandra X-Ray Center

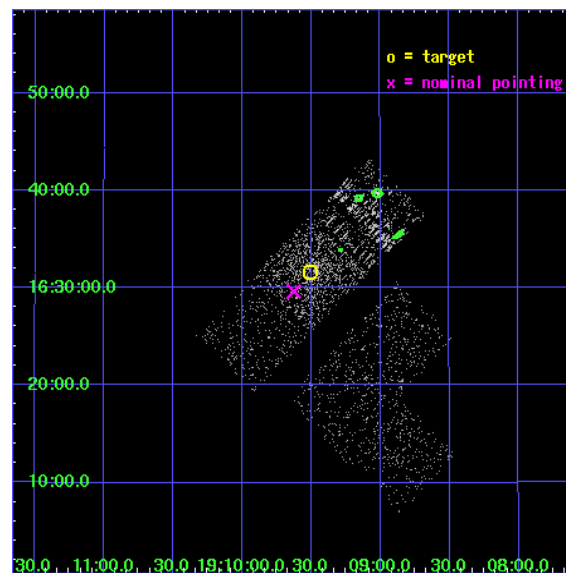
L2 Processing Date : Jun 26 2006

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# 1 Front

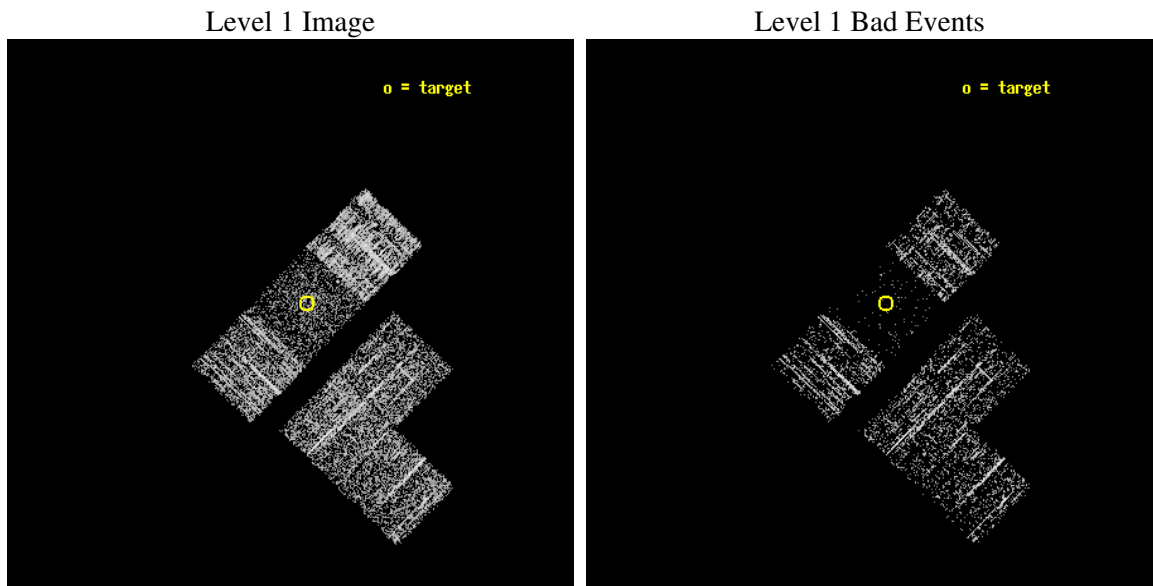
seq_num	100051
obs_id	5274
title	High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation
observer	Dr. Carey Lisse
object	2P/Encke (2003)
dtcycle	0
cycle	P
ra_targ	287.37673
dec_targ	16.52592
ra_nom	287.40649304978
dec_nom	16.493912247683
roll_nom	314.14810969696
revision	2
ontime	1475.1999945045
livetime	1456.5201239152
ontime0	1475.1999945045
ontime2	1475.1999945045
ontime3	1475.1999945045
ontime6	1475.1999945045
ontime7	1475.1999945045
ontime8	1475.1999945045
l2events	3784



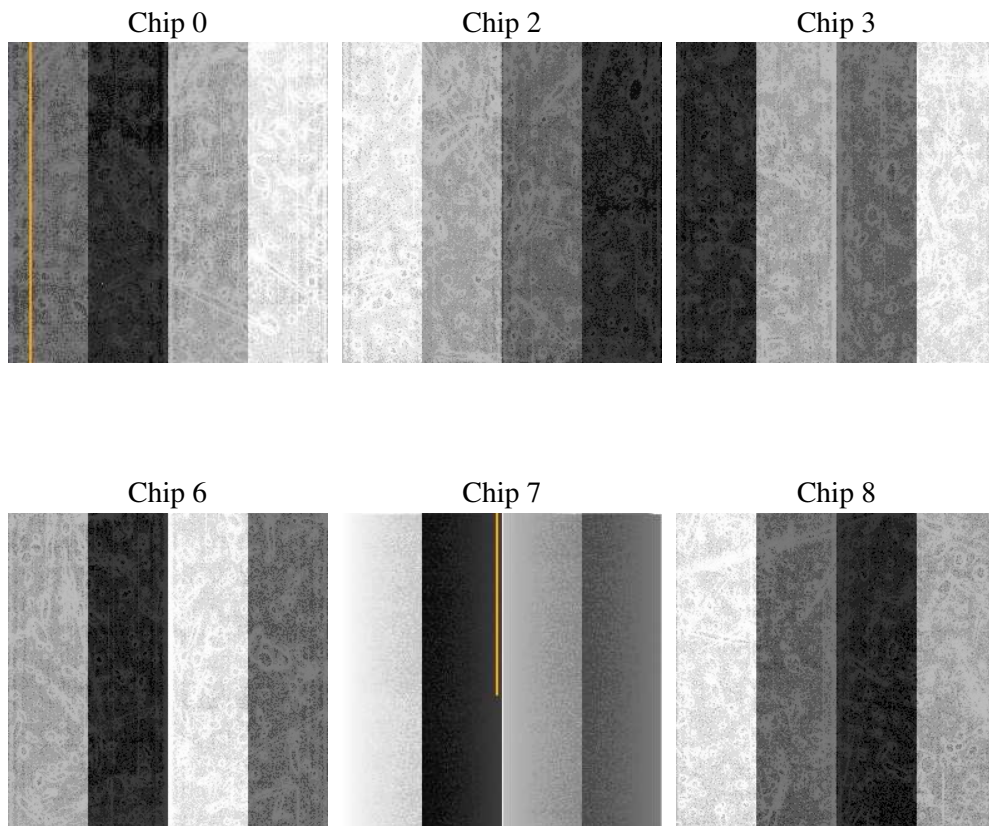
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.8
caldbver	3.2.2
date	2006-06-26T19:46:57
revision	2

sched_exp_time	1290.000000
ontime	1801.9967679083
ontime0	1801.9967679083
ontime2	1801.9967480302
ontime3	1801.9967480302
ontime6	1801.9967480302
ontime7	1801.9967679083
ontime8	1801.9967480302
l1events	38366

### 2.1.4 Events

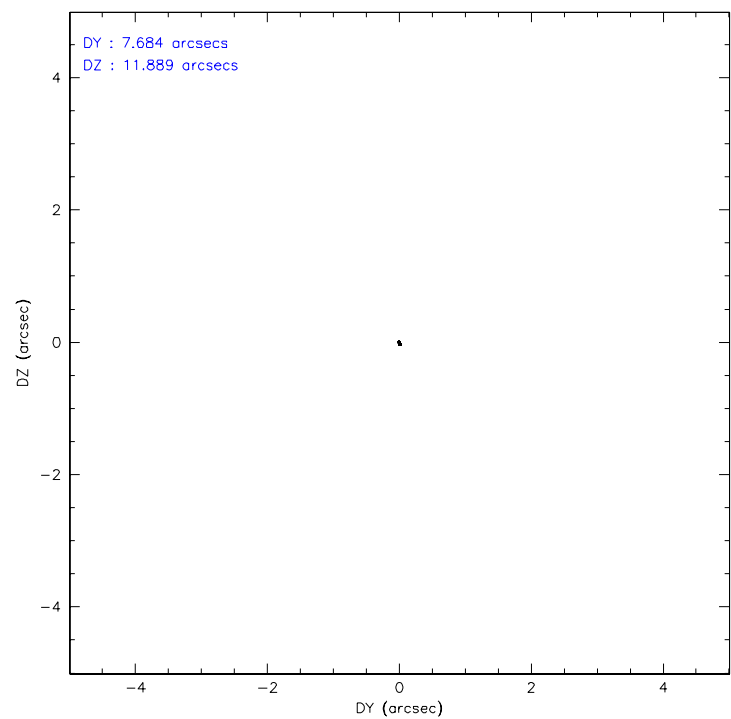
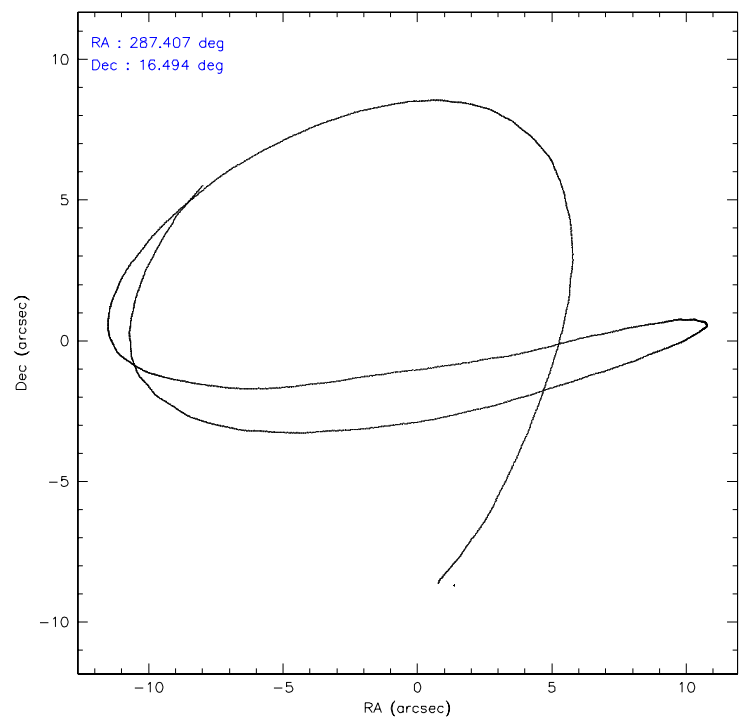
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	5473	6715	5664	6803	2343	11368
rejected events	4997	6175	5287	6331	999	7014
rejected %	91%	91%	93%	93%	42%	61%

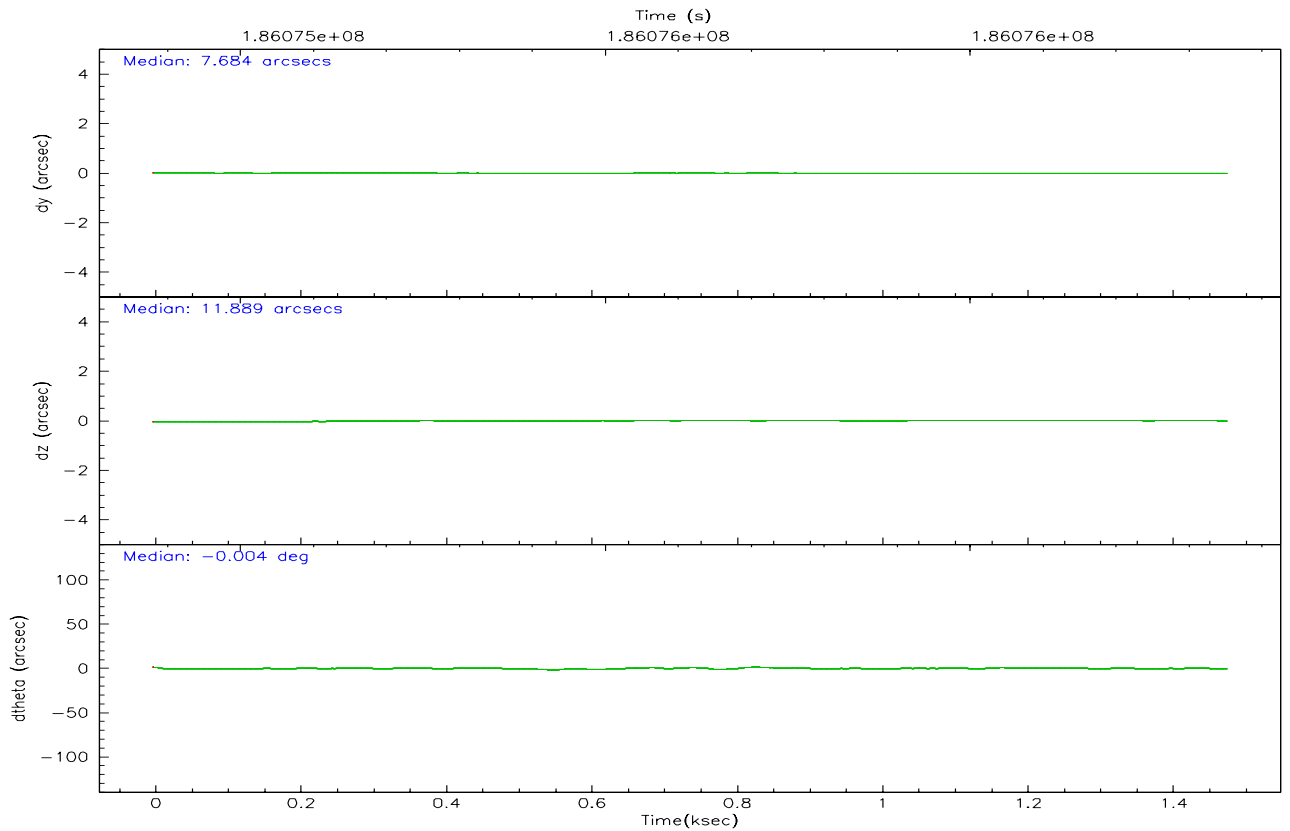
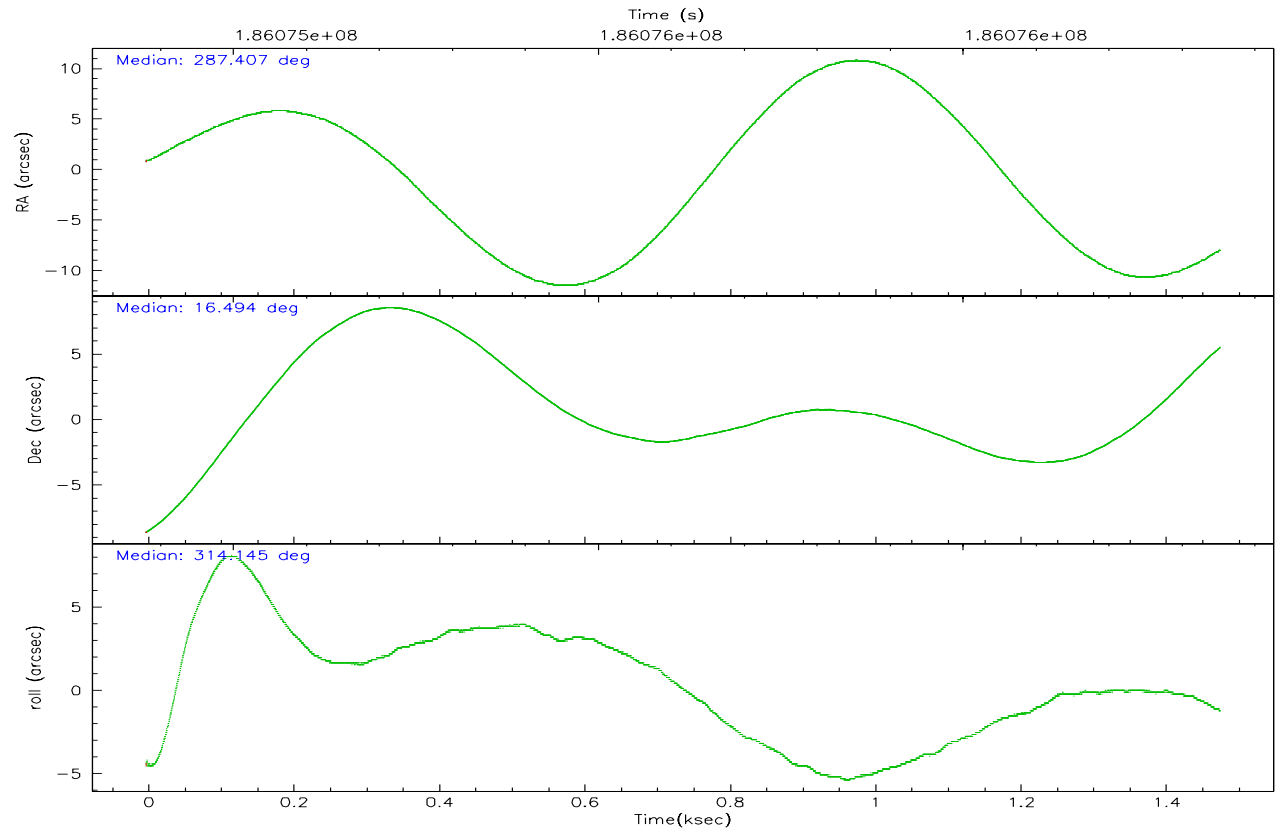
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	238	324	194	274	366	1614
	4%	4%	3%	4%	15%	14%
grade 1 events	3	2	2	2	7	14
	0%	0%	0%	0%	0%	0%
grade 2 events	164	151	99	150	494	855
	2%	2%	1%	2%	21%	7%
grade 3 events	53	45	53	52	181	915
	0%	0%	0%	0%	7%	8%
grade 4 events	41	64	43	50	172	844
	0%	0%	0%	0%	7%	7%
grade 5 events	62	33	44	62	155	173
	1%	0%	0%	0%	6%	1%
grade 6 events	61	58	64	53	464	1208
	1%	0%	1%	0%	19%	10%
grade 7 events	4851	6038	5165	6160	504	5745
	88%	89%	91%	90%	21%	50%

## 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	287.379103	287.4064930497834	Alternating exposures requested	N	N
Pointing Dec	16.501010	16.4939122476833	Primary exposure time	0.000000	3.2
Pointing Roll	313.999321	314.1481096969556			
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	186075064.184000	186074687.85782			
Observation start date	2003-11-24T15:30:00	2003-11-24T15:24:47			
Observation end time	186076354.184000	186076487.7579			
Observation end date	2003-11-24T15:51:30	2003-11-24T15:54:47			
Read mode	TIMED	TIMED			

2.3 Aspect





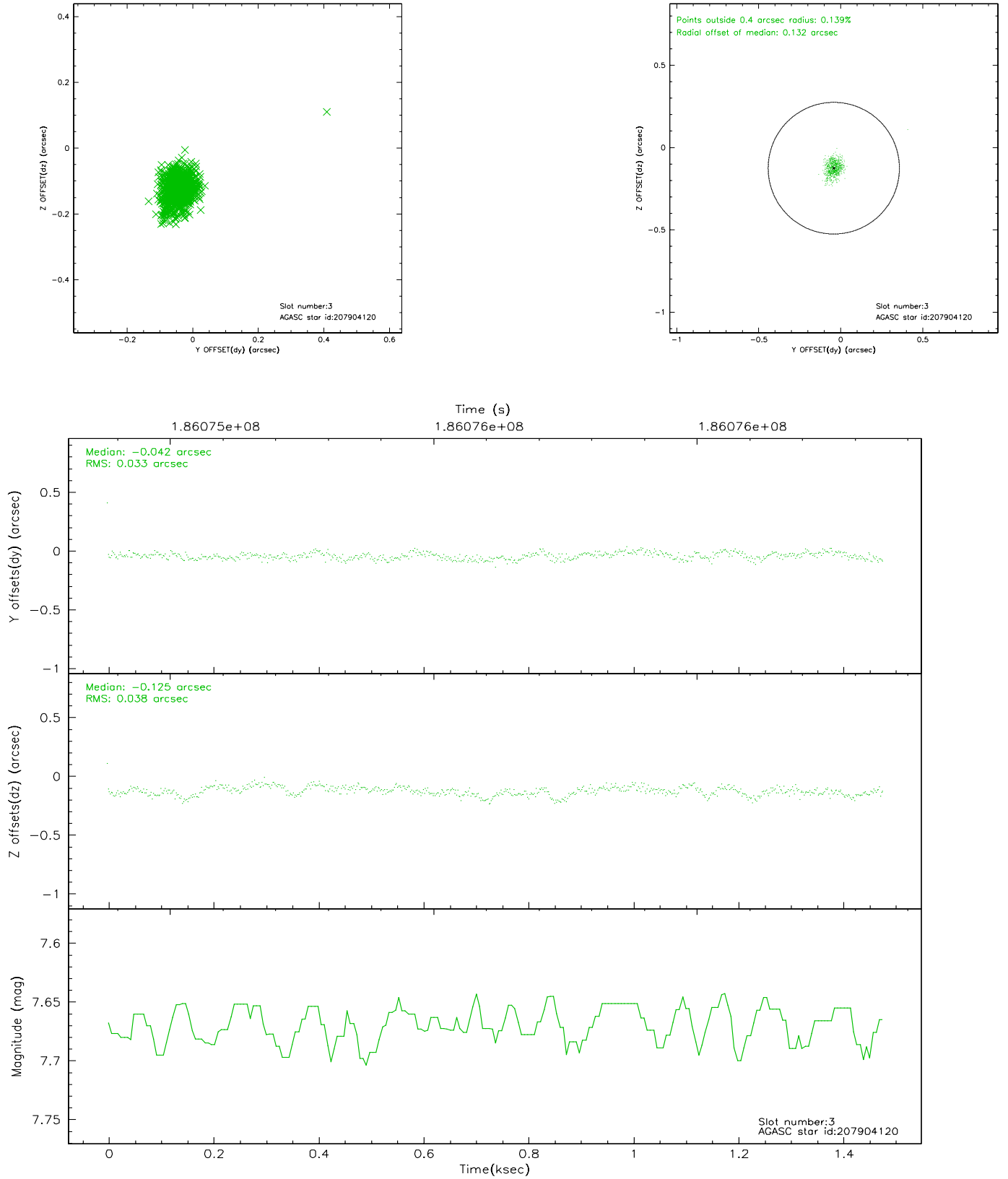
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-4	7.19	361	0.018	-0.001	0.005	0.008	0.000000	0.000000	2152.91	175.47
1	FID	ACIS-S-5	7.23	361	-0.005	0.011	0.005	0.008	0.000000	0.000000	-1807.54	169.45
2	FID	ACIS-S-6	7.34	361	-0.043	0.004	0.007	0.011	0.000000	0.000000	396.28	813.15
3	GUIDE	207904120	7.67	722	-0.042	-0.125	0.049	0.081	286.904195	16.289988	-594.61	-1706.69
4	GUIDE	207916440	6.85	722	-0.194	-0.122	0.076	0.105	287.167522	16.851310	-1414.45	349.27
5	GUIDE	208416976	8.34	722	-0.070	0.038	0.052	0.084	287.326965	17.073967	-1610.30	1304.28
6	GUIDE	208421840	9.22	722	0.096	0.108	0.080	0.127	287.570311	16.918850	-626.85	1521.07
7	GUIDE	209596088	9.37	721	0.206	0.099	0.094	0.149	288.150718	16.305149	2354.99	1434.28

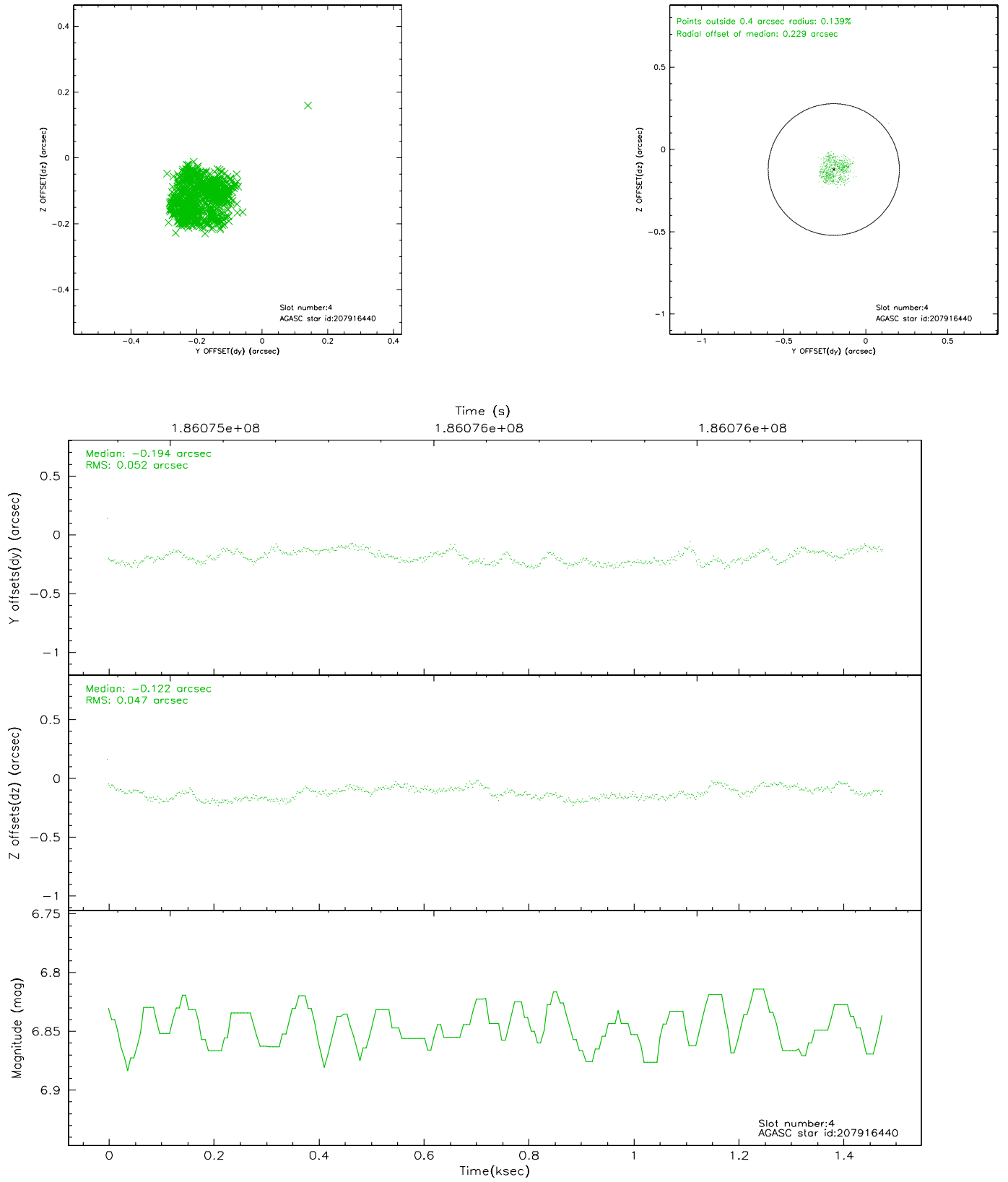


## 2.4 Star Slots

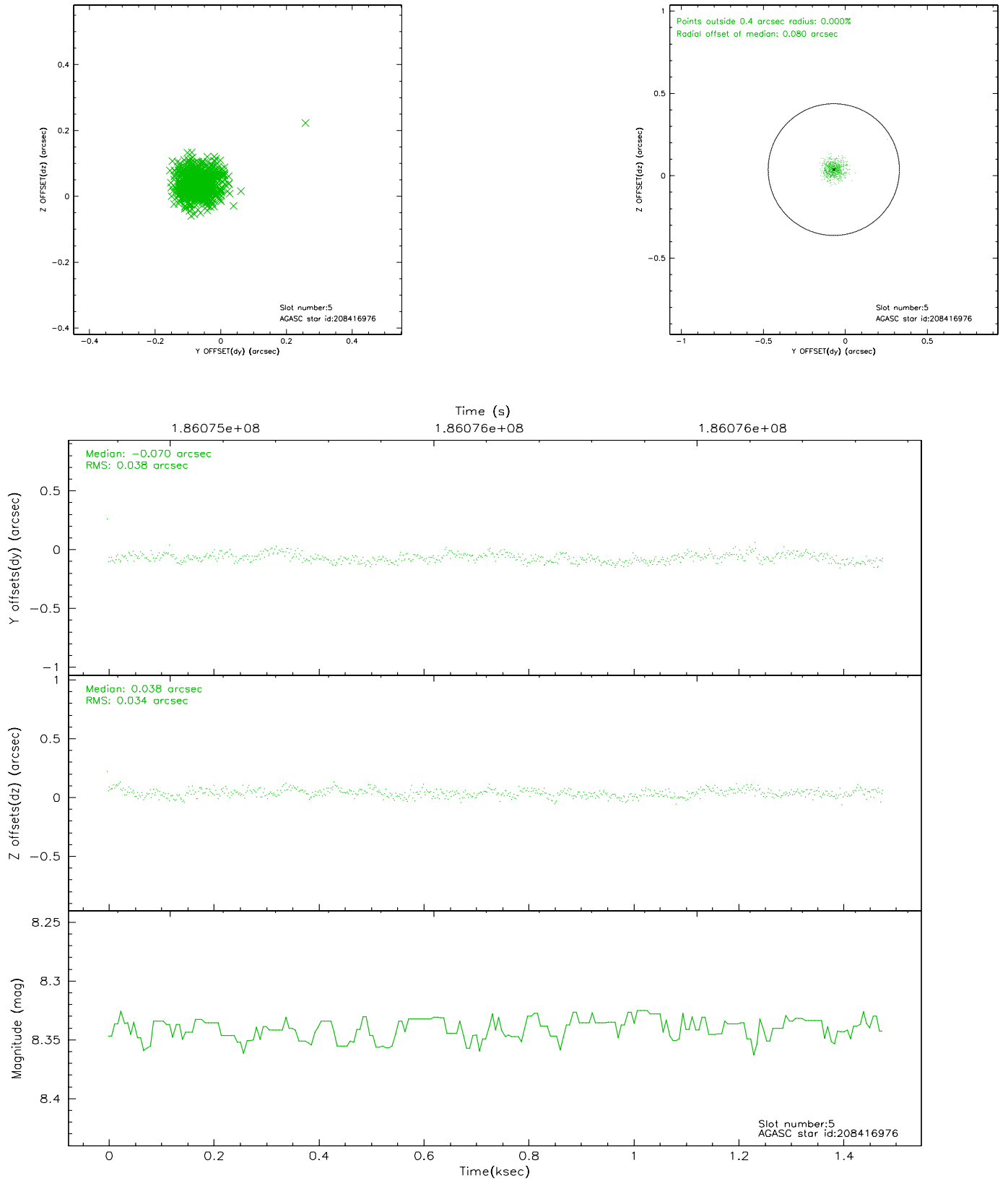
### 2.4.1 Slot 3



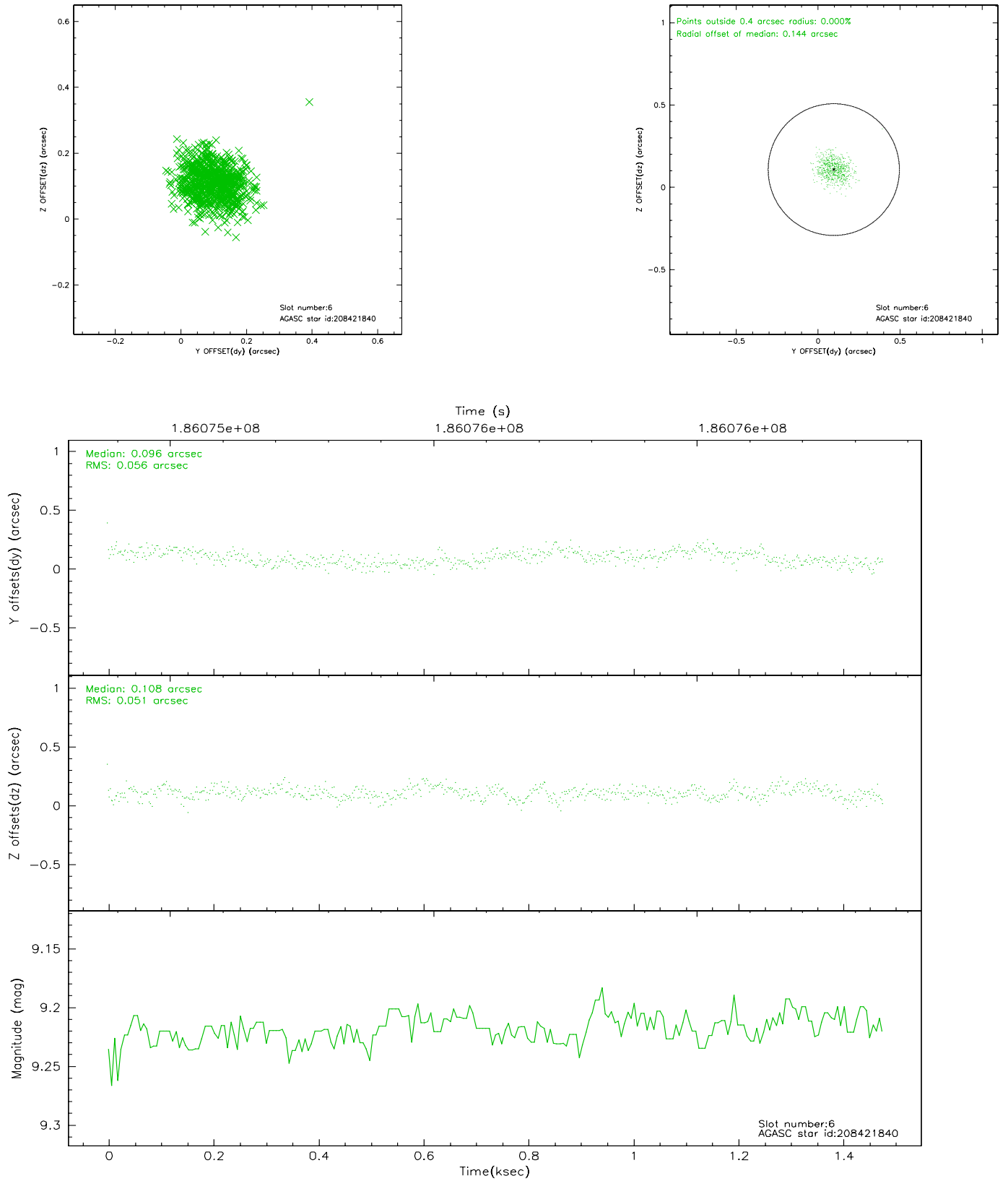
## 2.4.2 Slot 4



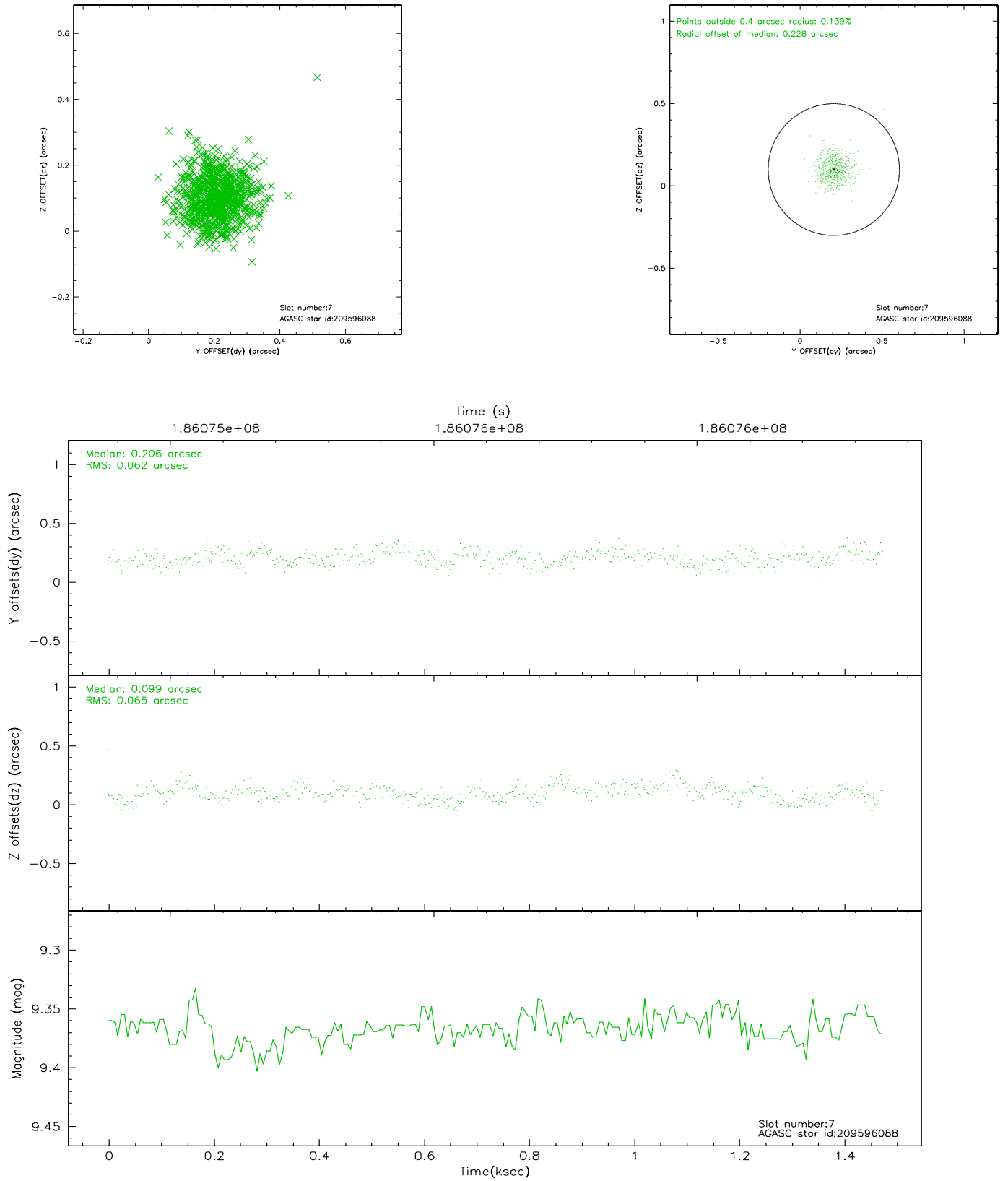
### 2.4.3 Slot 5



## 2.4.4 Slot 6

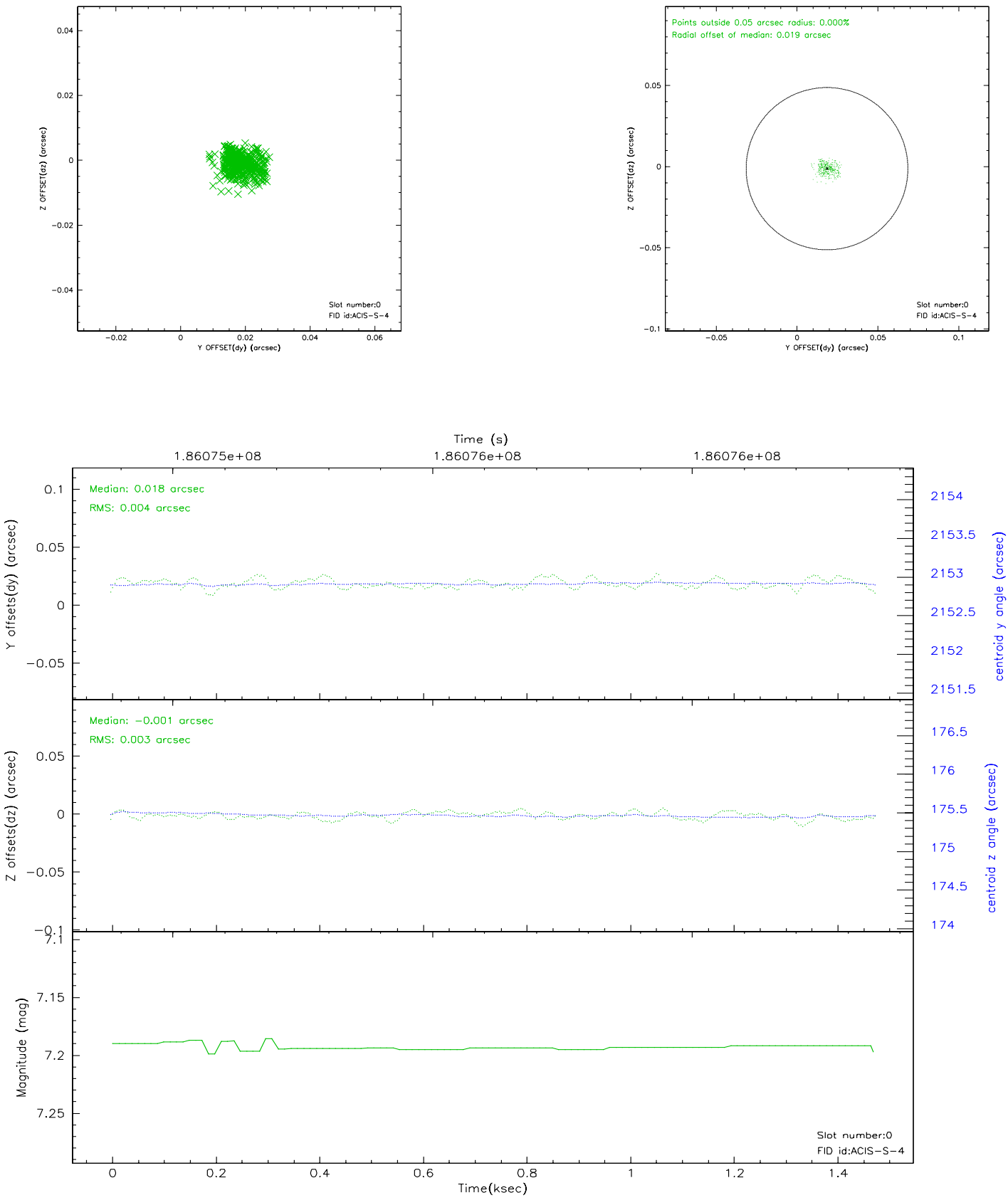


## 2.4.5 Slot 7

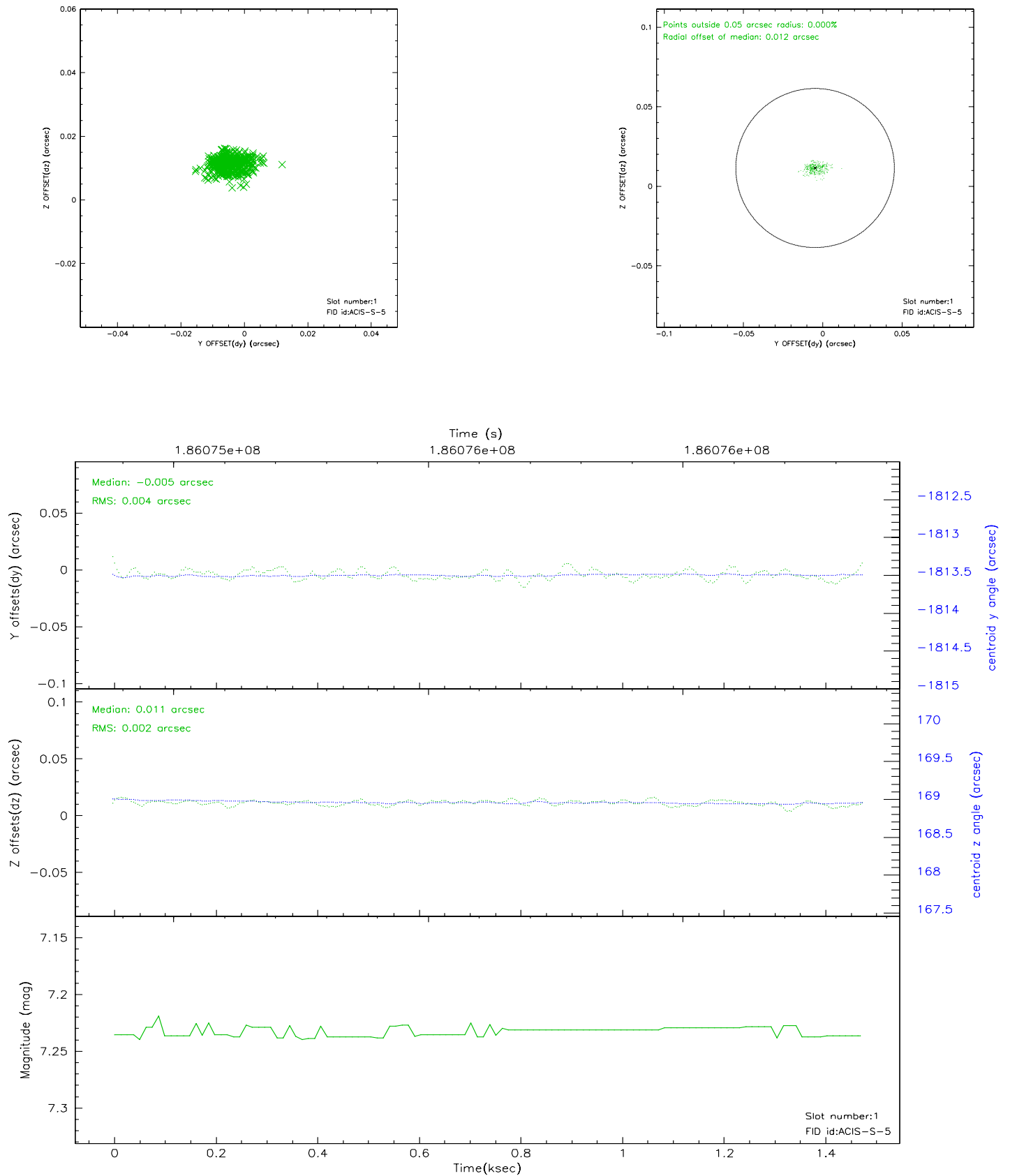


# 2.5 FID Slots

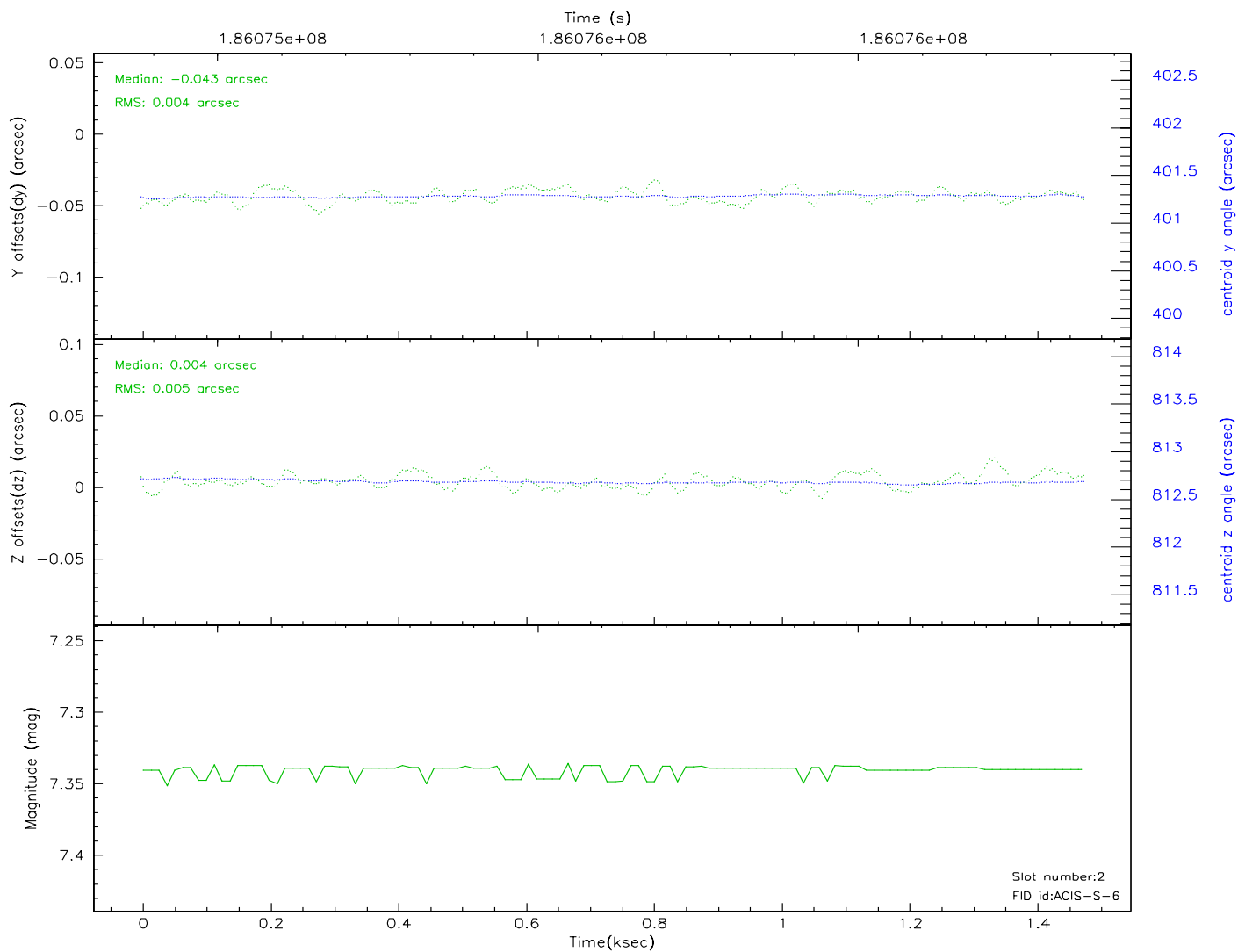
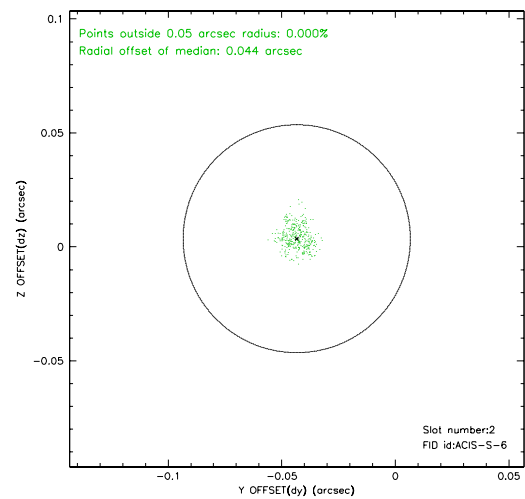
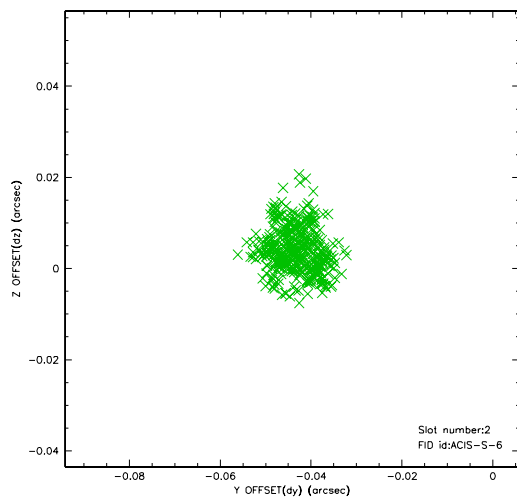
## 2.5.1 Slot 0



## 2.5.2 Slot 1

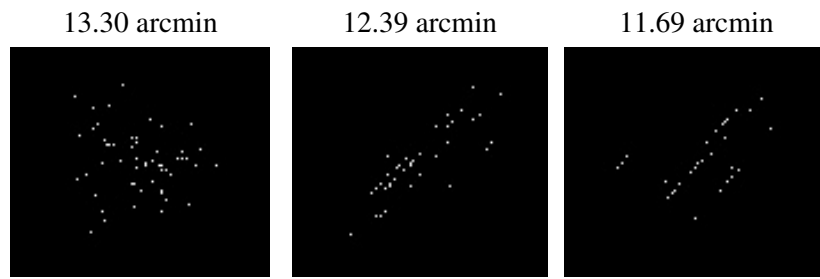


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.06.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.475

### A.2 Comments