

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 5258 - L2 Version 001  
Chandra X-Ray Center

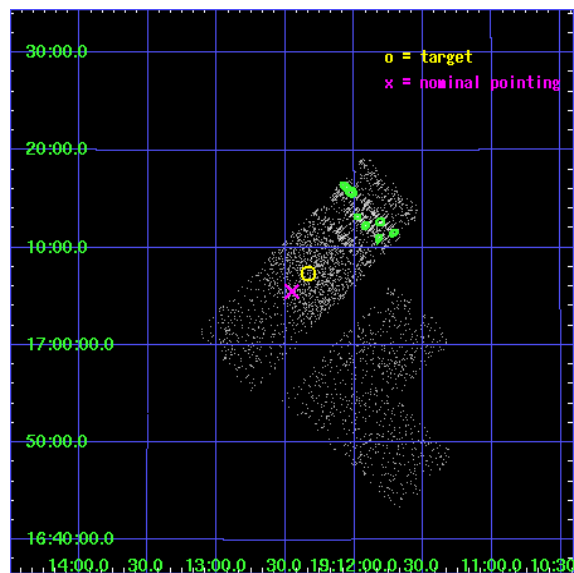
L2 Processing Date : Jun 26 2006

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# 1 Front

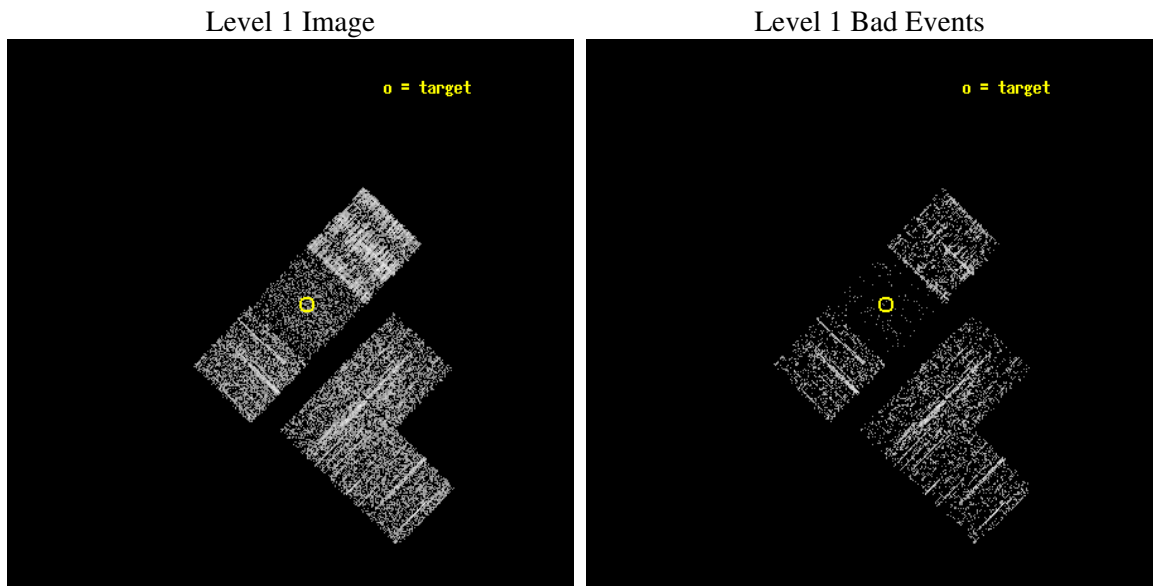
seq_num	100051
obs_id	5258
title	High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation
observer	Dr. Carey Lisse
object	2P/Encke (2003)
dtcycle	0
cycle	P
ra_targ	288.08384
dec_targ	17.12353
ra_nom	288.11345686425
dec_nom	17.091955962529
roll_nom	314.14789008428
revision	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	4305



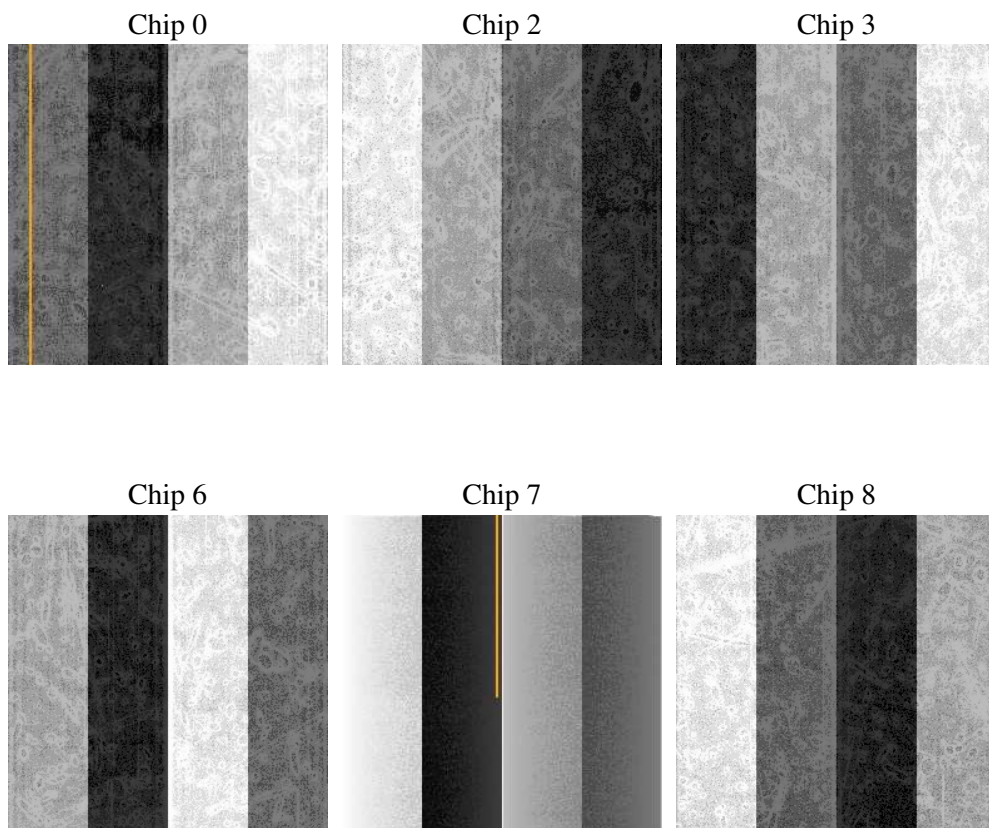
## 2 OBI

### 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	2006-06-26T17:10:12
revision	2

sched_exp_time	1290.000000
ontime	1801.9967980087
ontime0	1801.9967980087
ontime2	1801.9967980087
ontime3	1801.9967980087
ontime6	1801.9968179166
ontime7	1801.9967980087
ontime8	1801.9967980087
l1events	39577

### 2.1.4 Events

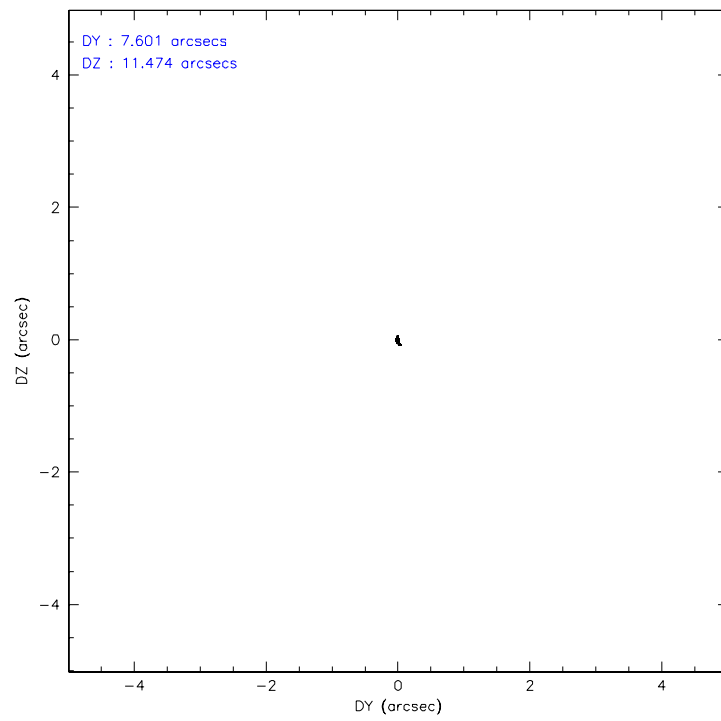
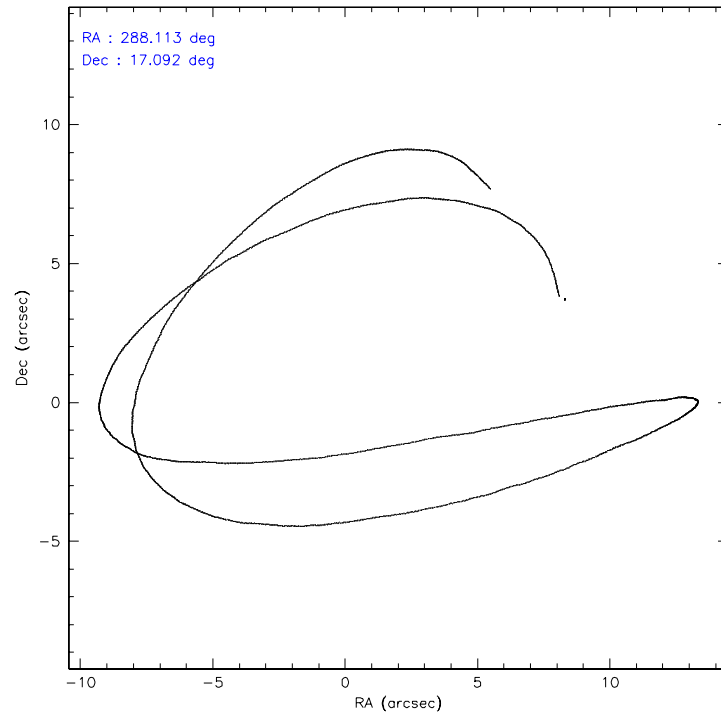
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	5725	6545	6058	6322	2293	12634
rejected events	5235	6017	5673	5859	1023	7294
rejected %	91%	91%	93%	92%	44%	57%

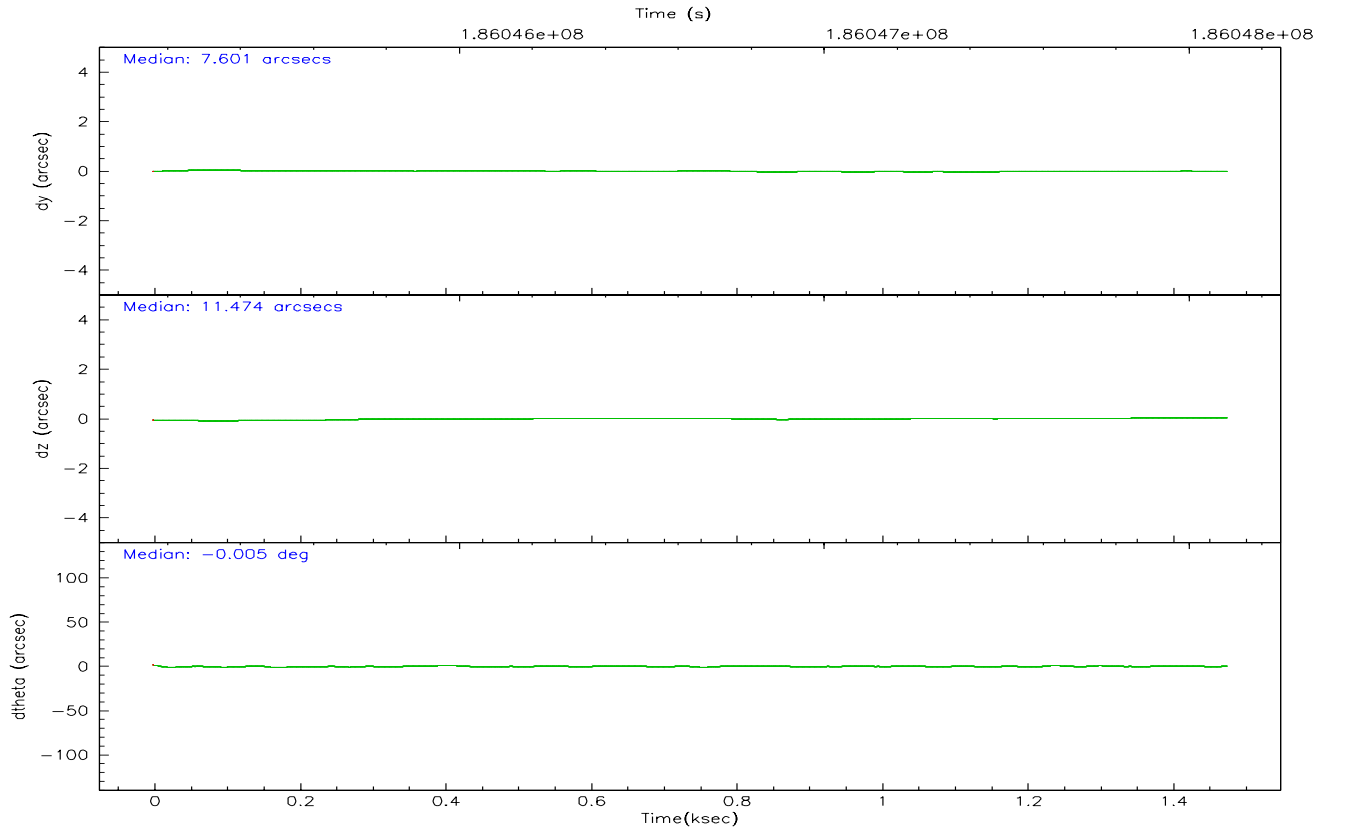
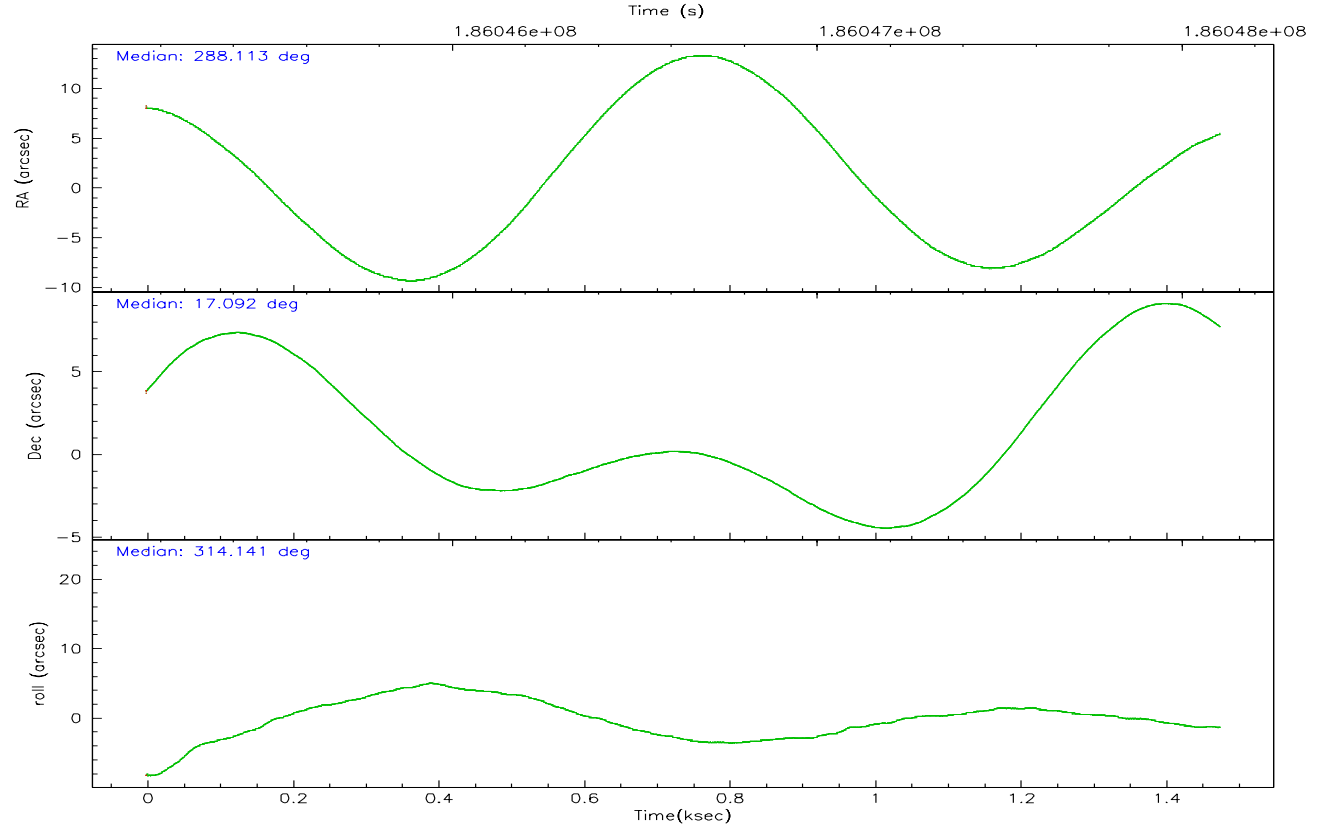
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	263	304	225	259	352	1912
	4%	4%	3%	4%	15%	15%
grade 1 events	7	2	5	4	6	14
	0%	0%	0%	0%	0%	0%
grade 2 events	161	146	76	158	473	1024
	2%	2%	1%	2%	20%	8%
grade 3 events	57	42	62	50	159	1125
	0%	0%	1%	0%	6%	8%
grade 4 events	45	81	46	54	134	996
	0%	1%	0%	0%	5%	7%
grade 5 events	49	34	42	61	151	207
	0%	0%	0%	0%	6%	1%
grade 6 events	56	68	60	51	435	1570
	0%	1%	0%	0%	18%	12%
grade 7 events	5087	5868	5542	5685	583	5786
	88%	89%	91%	89%	25%	45%

## 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	288.086223	288.1134568642532	Alternating exposures requested	N	N
Pointing Dec	17.098626	17.09195596252945	Primary exposure time	0.000000	3.2
Pointing Roll	313.999294	314.1478900842753			
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	186046264.184000	186045888.43157			
Observation start date	2003-11-24T07:30:00	2003-11-24T07:24:48			
Observation end time	186047554.184000	186047688.33165			
Observation end date	2003-11-24T07:51:30	2003-11-24T07:54:48			
Read mode	TIMED	TIMED			

## 2.3 Aspect





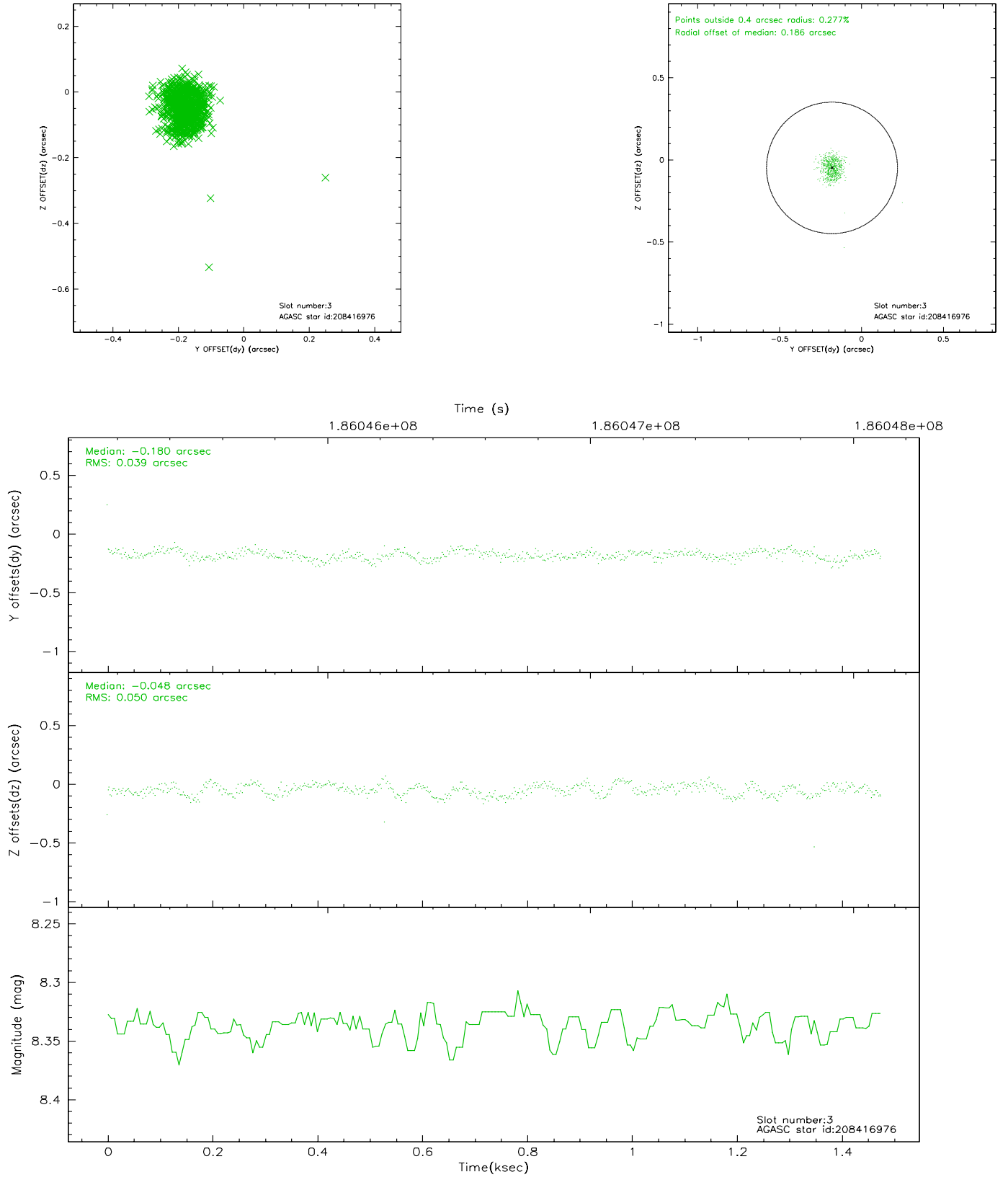
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	361	0.015	-0.050	0.006	0.012	0.000000	0.000000	935.66	-1728.44
1	FID	ACIS-S-4	7.20	361	-0.002	0.032	0.005	0.010	0.000000	0.000000	2155.57	171.16
2	FID	ACIS-S-5	7.23	360	-0.039	0.031	0.005	0.008	0.000000	0.000000	-1807.46	169.87
3	GUIDE	208416976	8.34	721	-0.180	-0.048	0.062	0.097	287.326965	17.073967	-1752.85	-1938.36
4	GUIDE	209596088	9.38	720	0.226	-0.098	0.099	0.153	288.150718	16.305149	2209.56	-1826.63
5	GUIDE	210119616	7.69	721	-0.168	0.084	0.070	0.122	288.118619	18.001946	-2257.86	2336.10
6	GUIDE	210120944	8.41	721	0.054	0.096	0.060	0.095	288.245736	17.506735	-677.95	1417.85
7	GUIDE	209585448	7.94	720	0.078	-0.039	0.051	0.083	288.114724	16.850123	713.77	-549.03

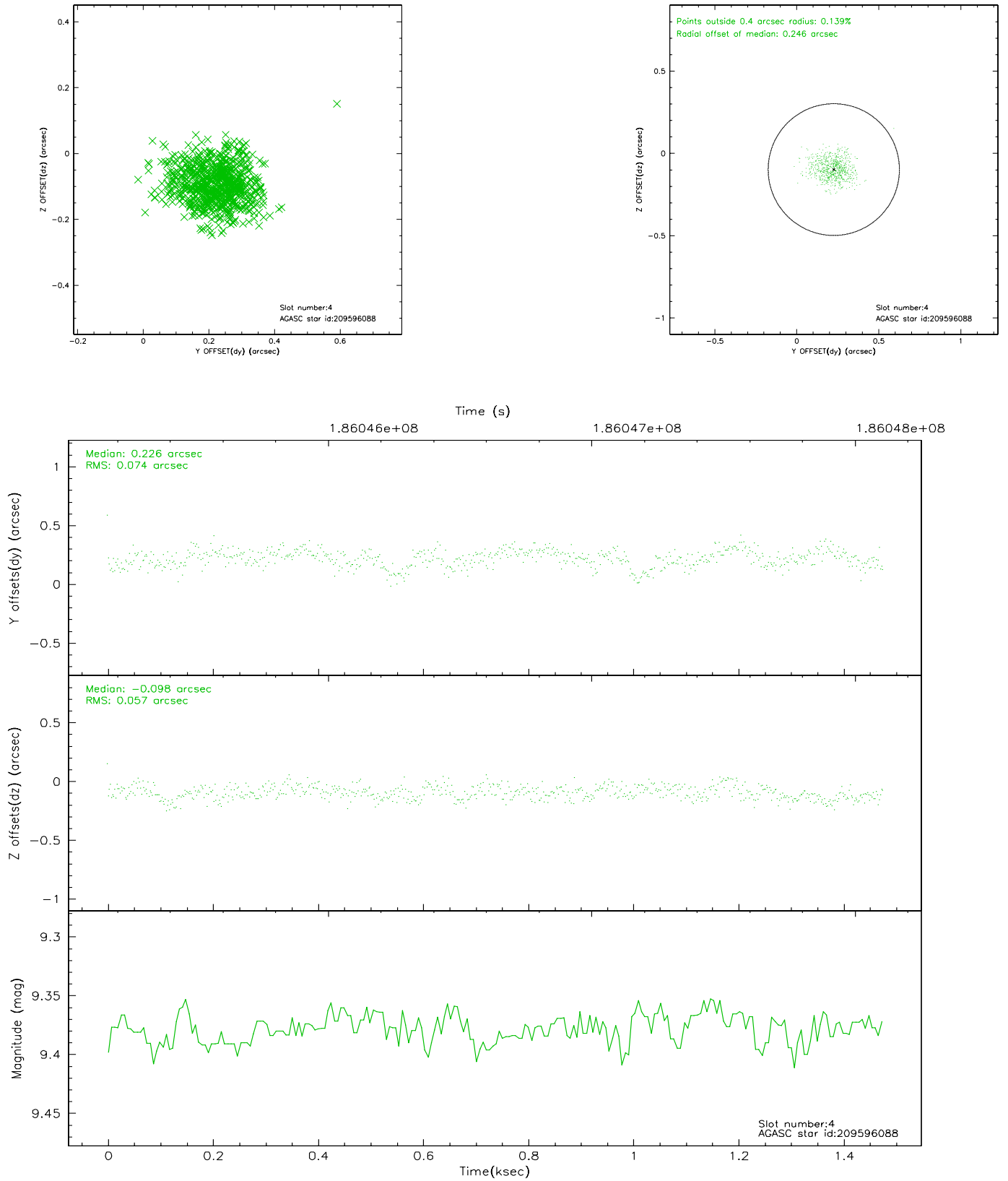


## 2.4 Star Slots

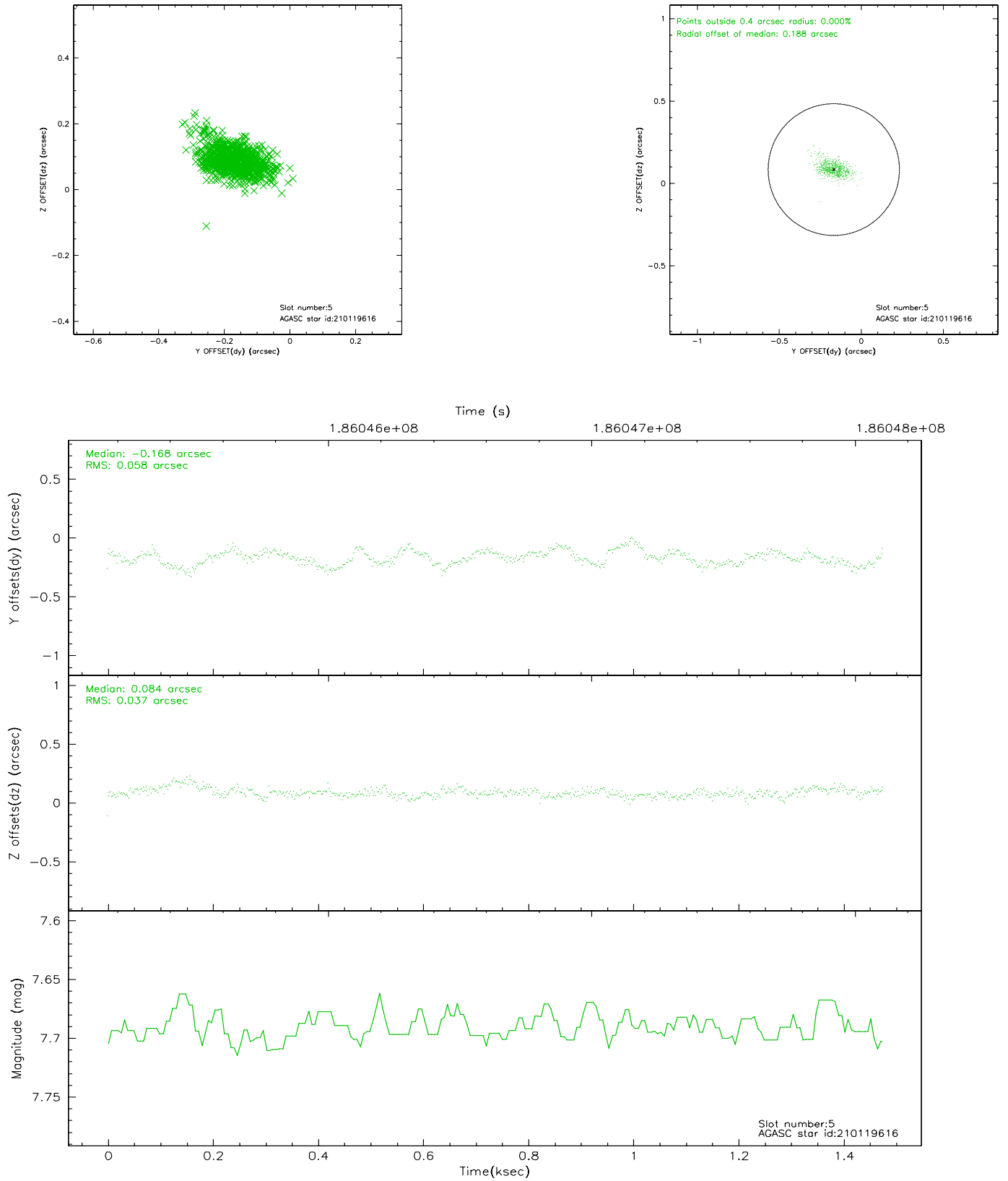
### 2.4.1 Slot 3



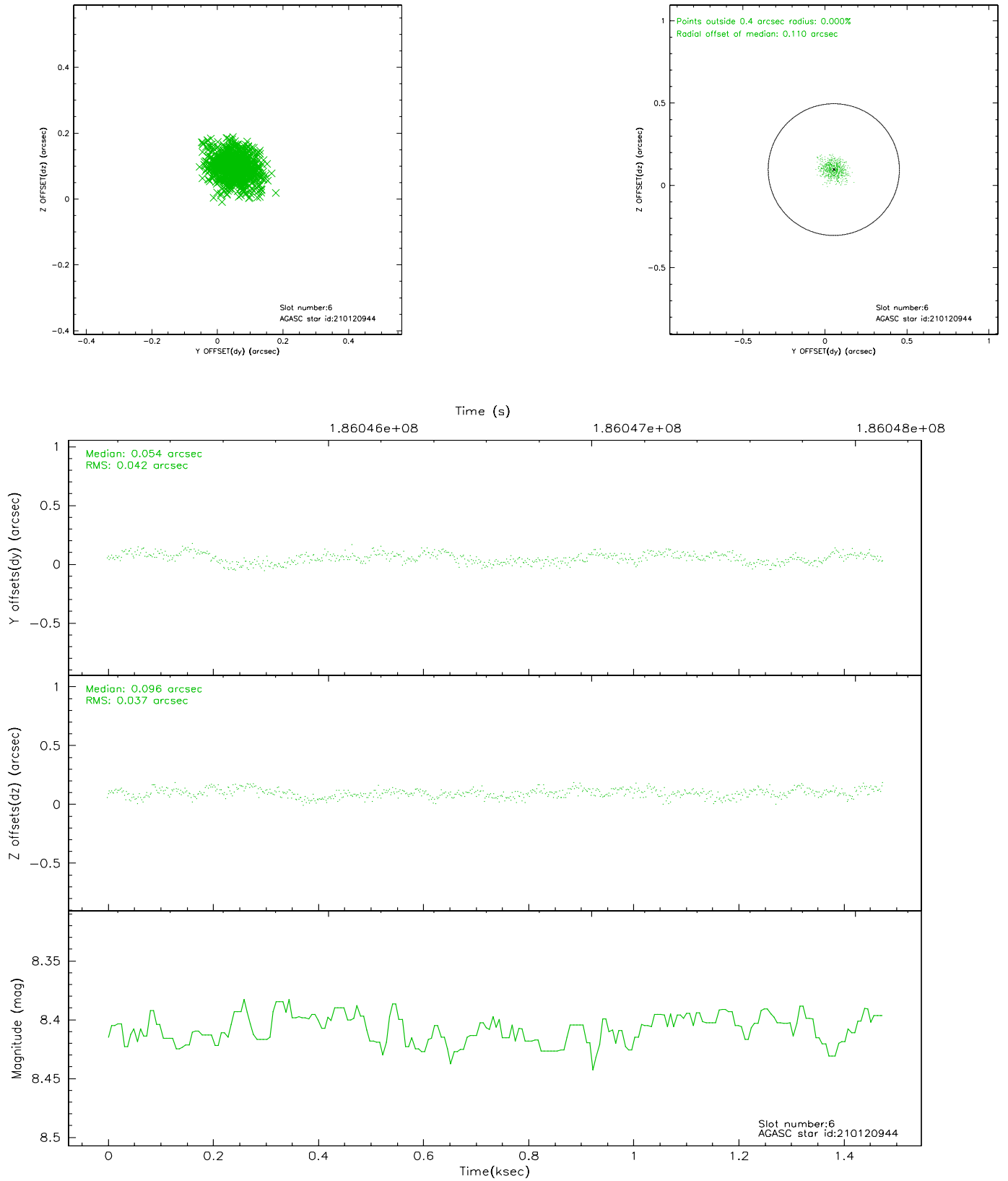
## 2.4.2 Slot 4



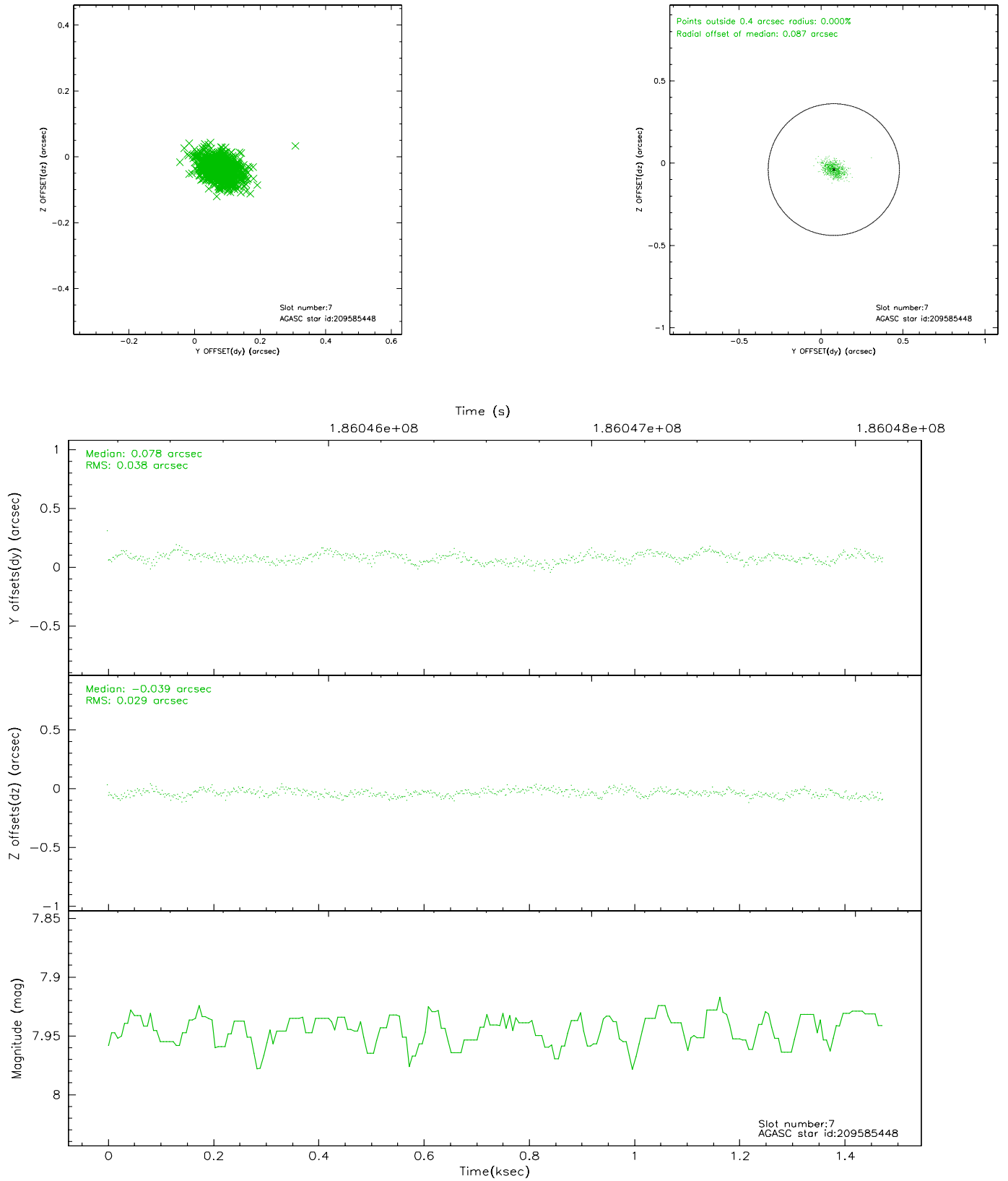
### 2.4.3 Slot 5



## 2.4.4 Slot 6

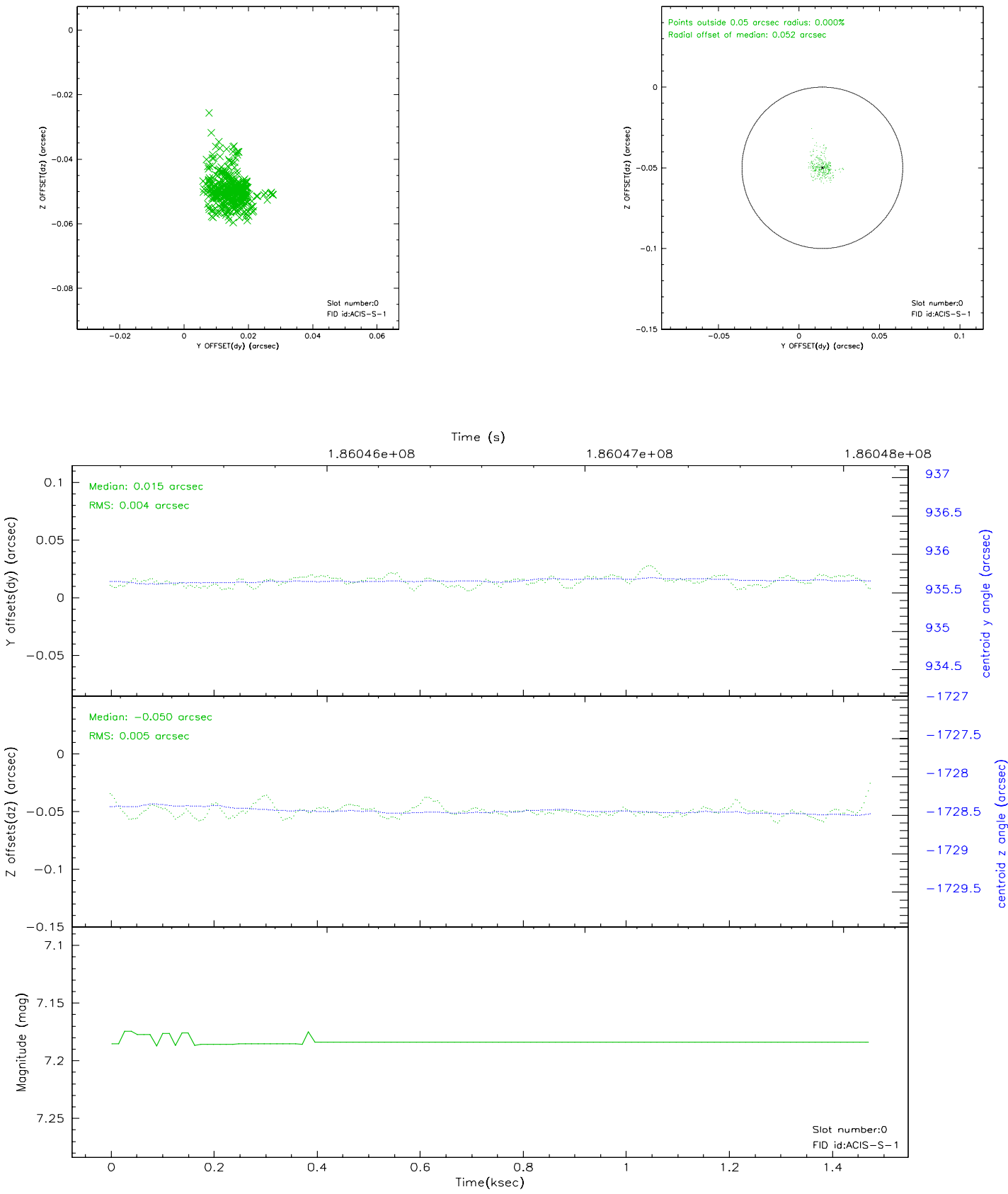


## 2.4.5 Slot 7

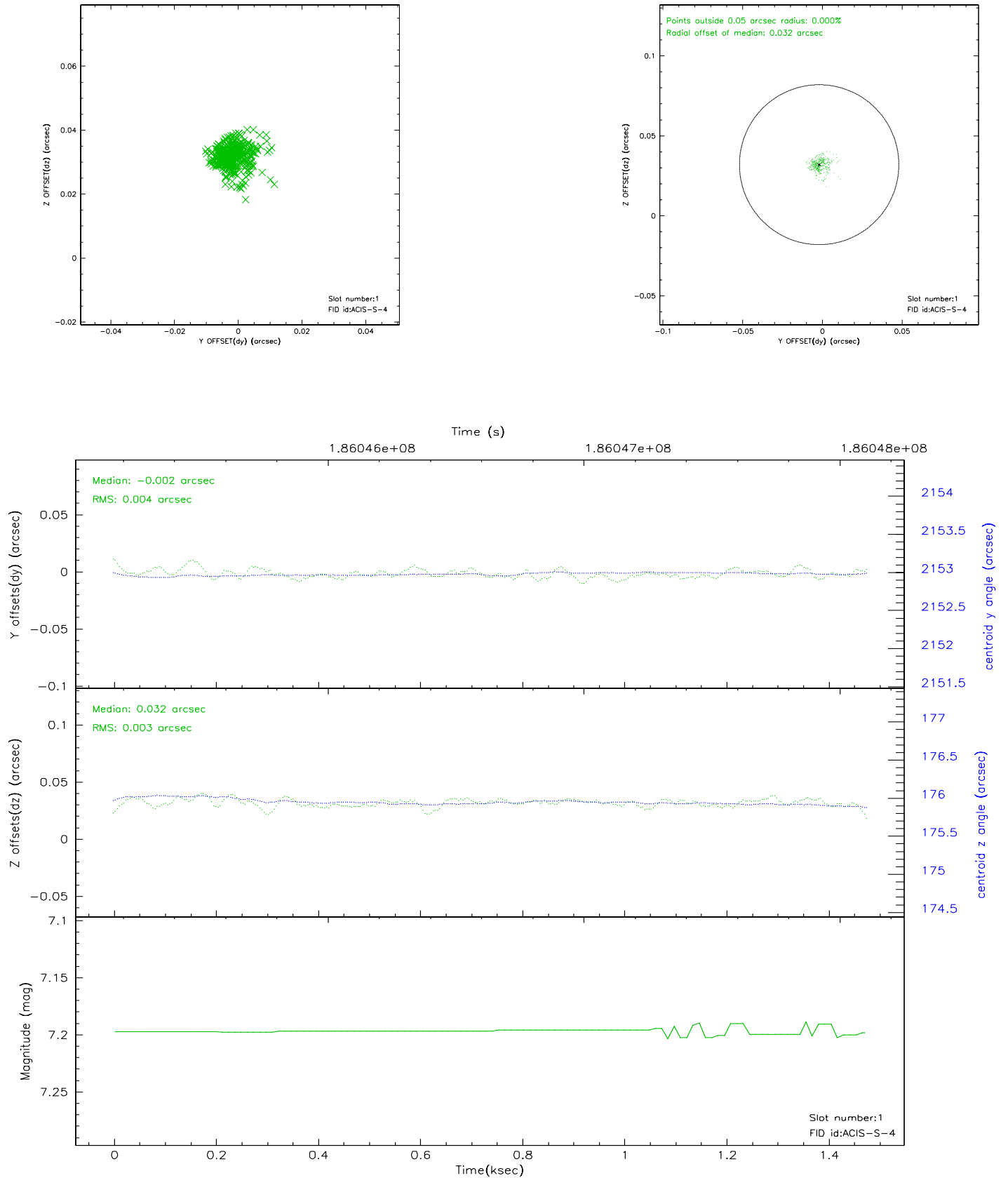


# 2.5 FID Slots

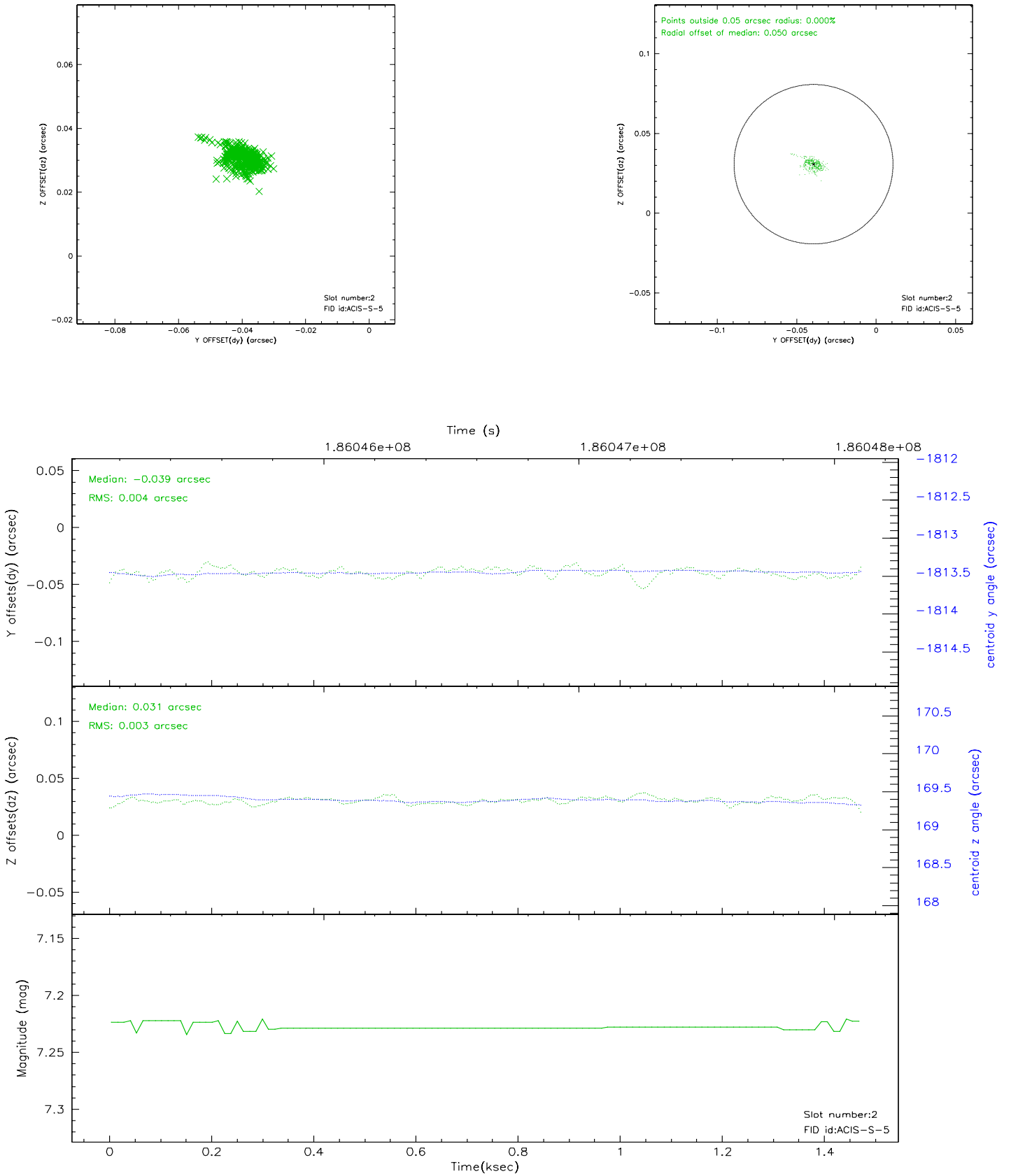
## 2.5.1 Slot 0



## 2.5.2 Slot 1

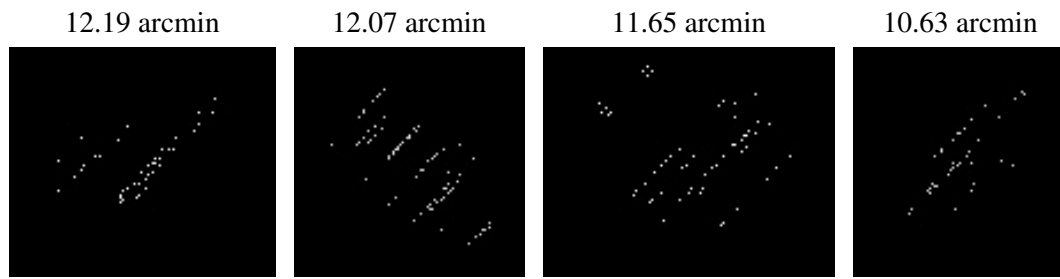


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.06.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.475

### A.2 Comments