

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 5277 - L2 Version 001  
Chandra X-Ray Center

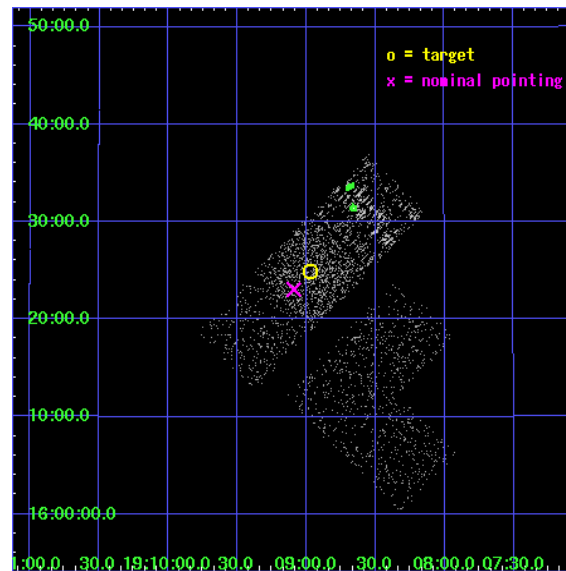
L2 Processing Date : Jun 26 2006

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# 1 Front

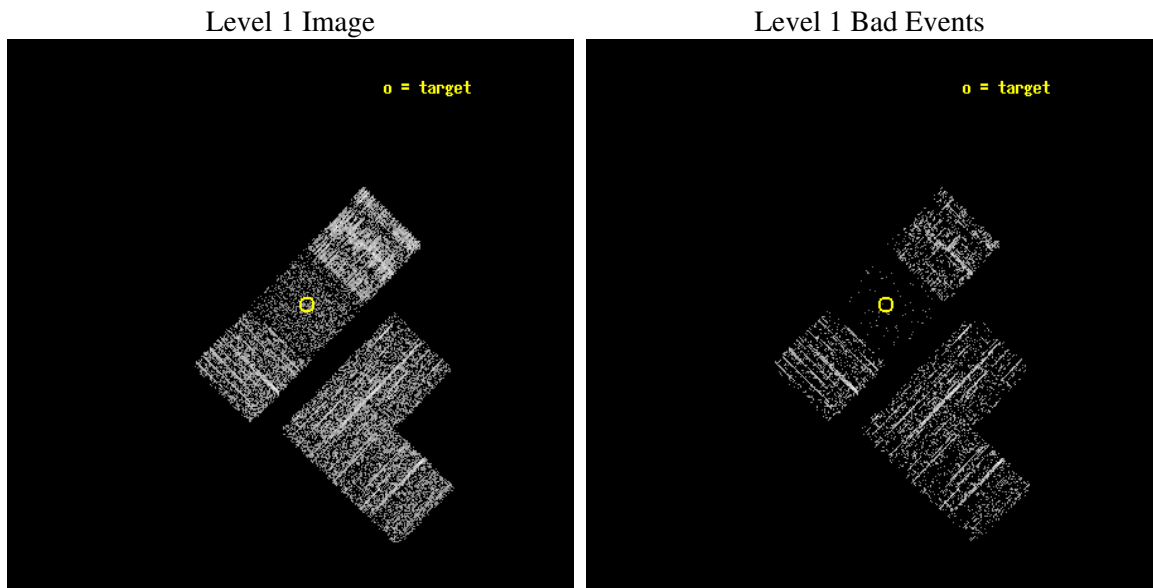
seq_num	100051
obs_id	5277
title	High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation
observer	Dr. Carey Lisse
object	2P/Encke (2003)
dtcycle	0
cycle	P
ra_targ	287.24301
dec_targ	16.41628
ra_nom	287.27255329361
dec_nom	16.384494826879
roll_nom	314.14827643432
revision	2
ontime	1468.7999945283
livetime	1450.2011645924
ontime0	1468.7999945283
ontime2	1468.7999945283
ontime3	1468.7999945283
ontime6	1468.7999945283
ontime7	1468.7999945283
ontime8	1468.7999945283
l2events	3745



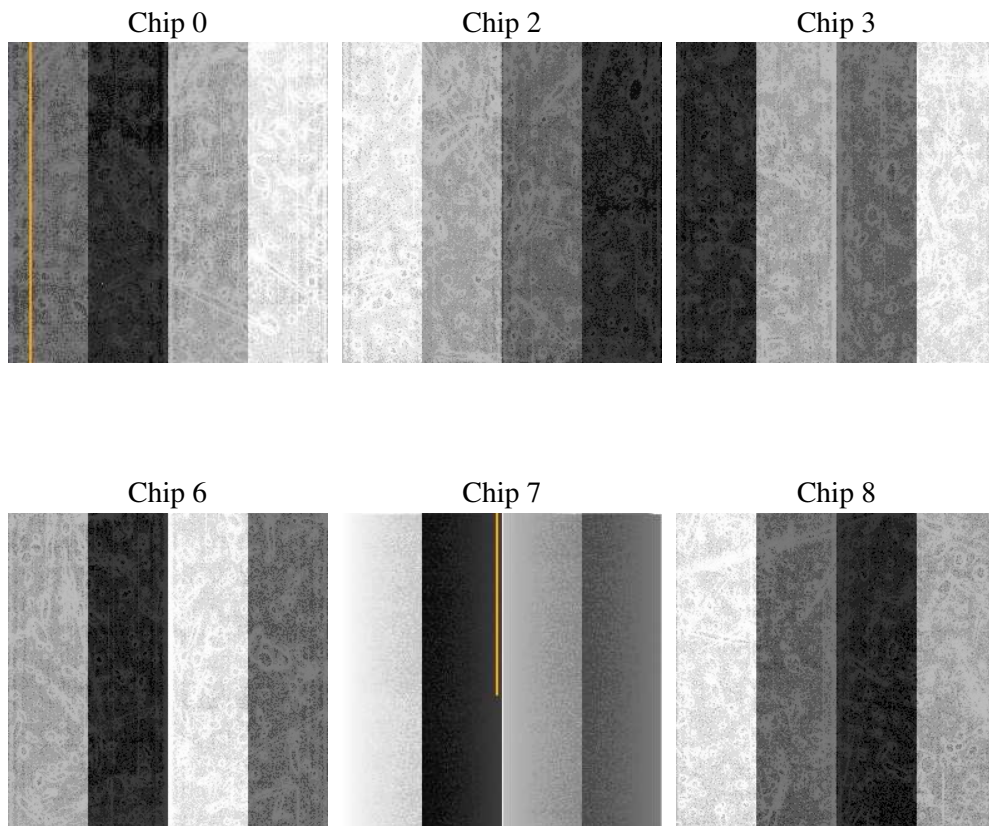
## 2 OBI

### 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	2006-06-26T20:01:30
revision	2

sched_exp_time	1290.000000
ontime	1801.9970379174
ontime0	1801.9970379174
ontime2	1801.9970180094
ontime3	1801.9970379174
ontime6	1801.9970379174
ontime7	1801.9970379174
ontime8	1801.9970379174
l1events	38388

### 2.1.4 Events

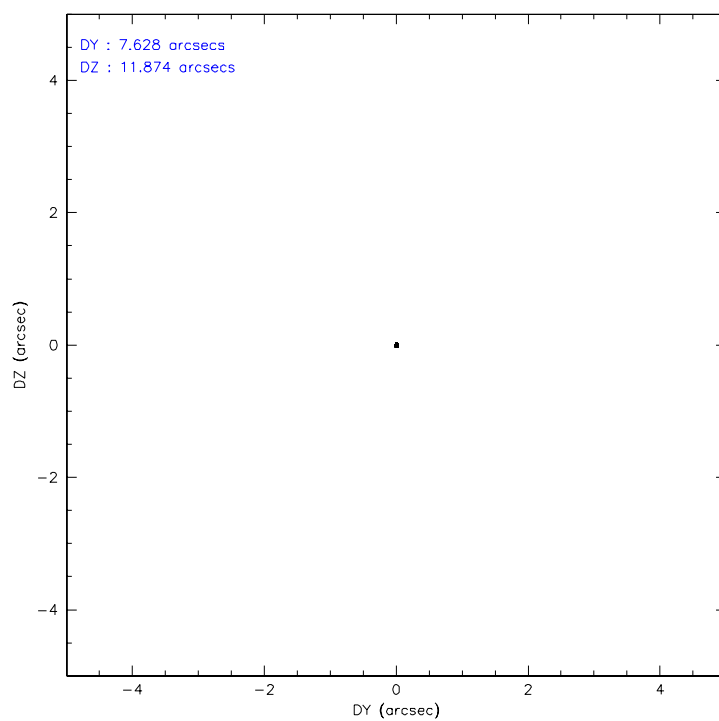
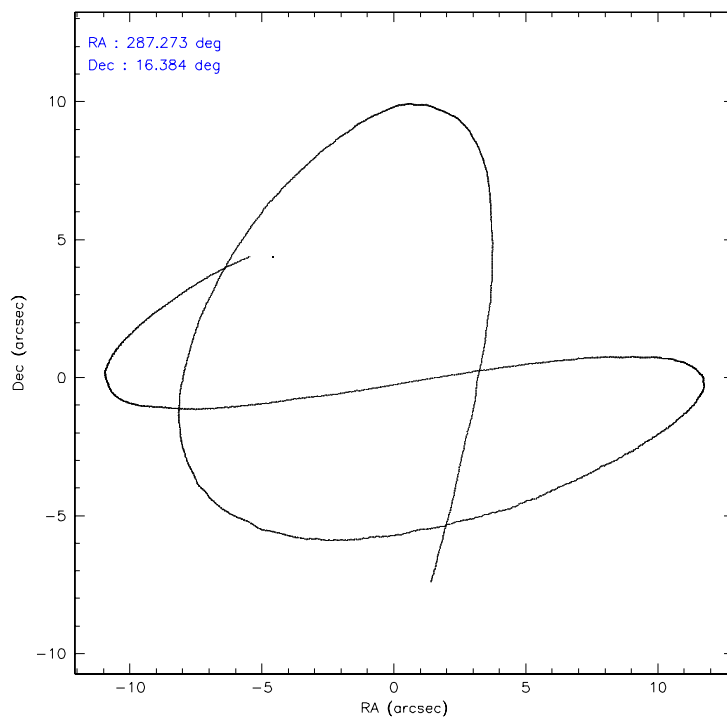
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	5601	6770	5984	6317	2212	11504
rejected events	5154	6274	5630	5880	893	7131
rejected %	92%	92%	94%	93%	40%	61%

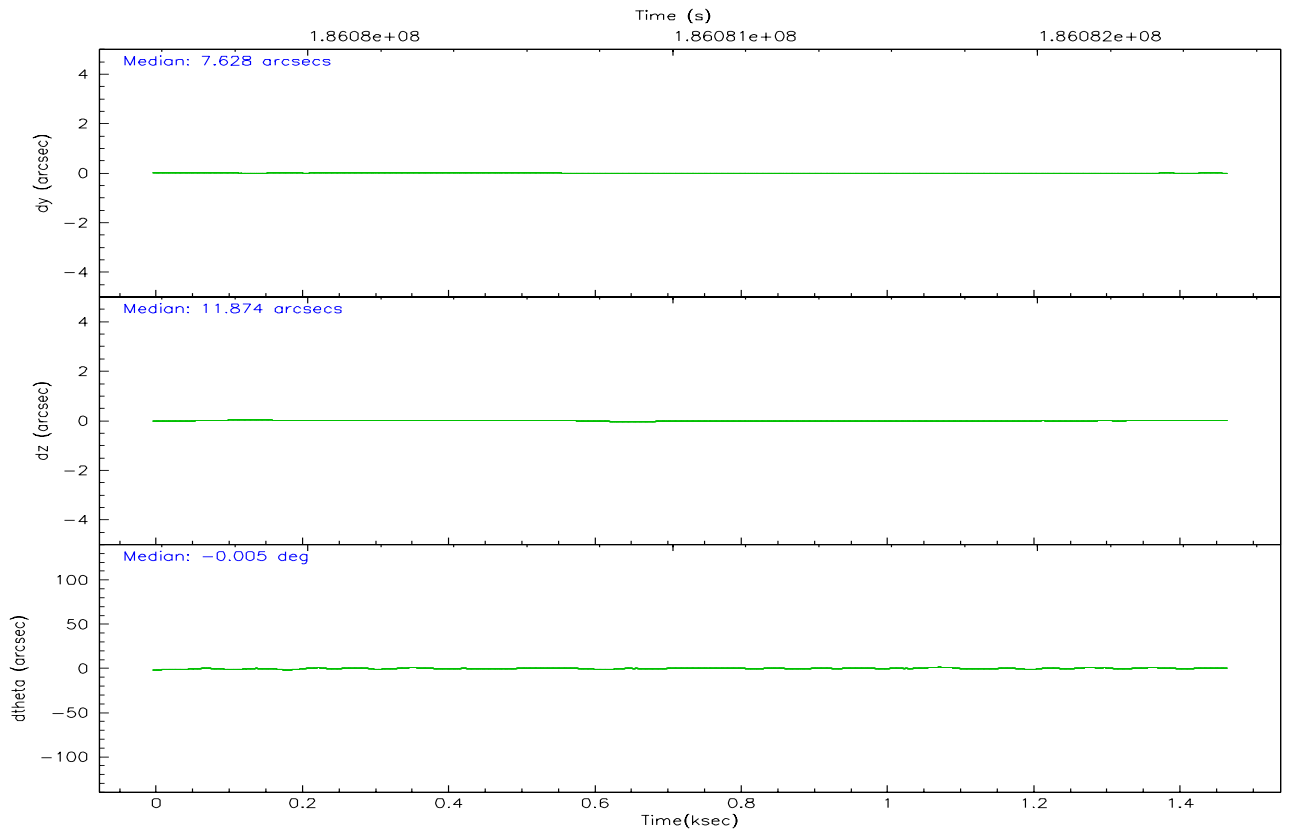
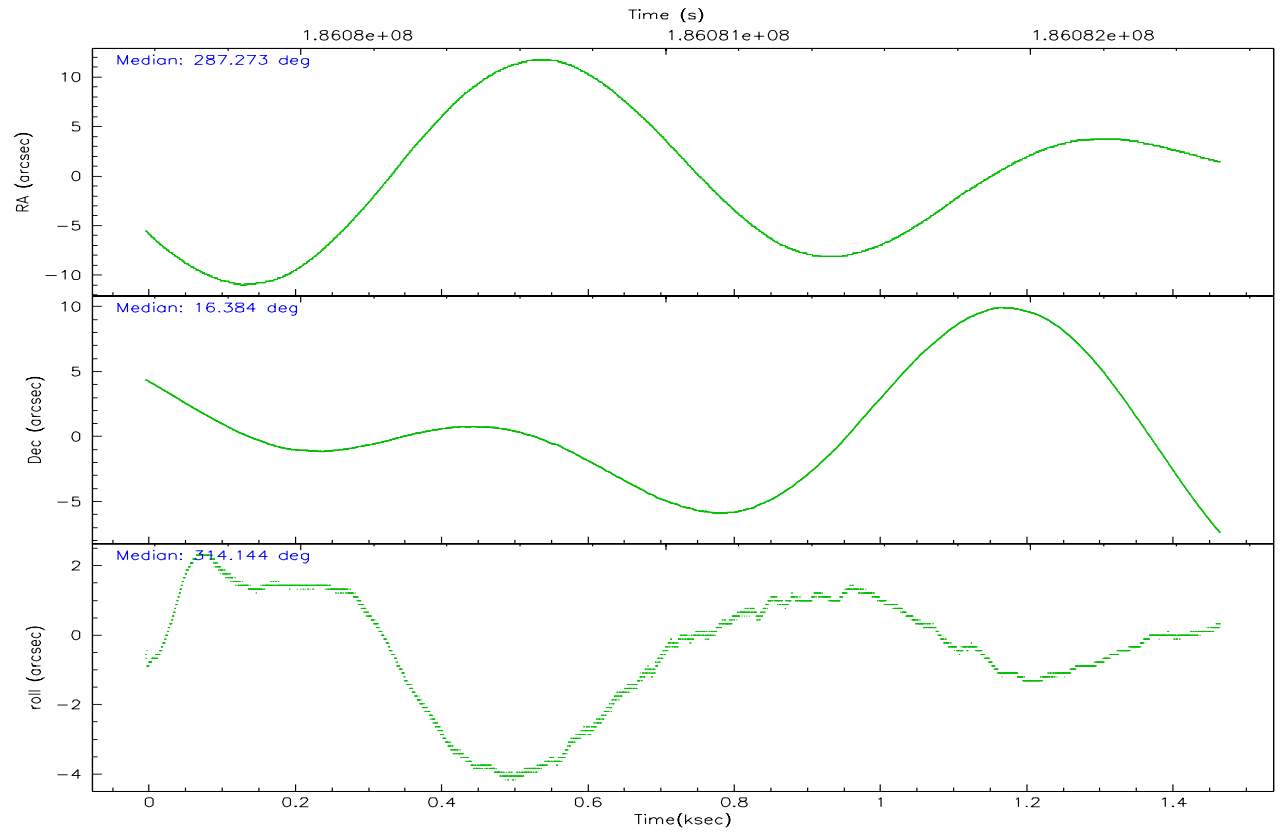
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	266	291	206	256	318	1558
	4%	4%	3%	4%	14%	13%
grade 1 events	5	2	2	4	4	11
	0%	0%	0%	0%	0%	0%
grade 2 events	136	140	75	128	481	808
	2%	2%	1%	2%	21%	7%
grade 3 events	62	49	44	48	158	872
	1%	0%	0%	0%	7%	7%
grade 4 events	60	61	43	49	134	819
	1%	0%	0%	0%	6%	7%
grade 5 events	49	33	56	64	143	163
	0%	0%	0%	1%	6%	1%
grade 6 events	40	53	49	55	513	1255
	0%	0%	0%	0%	23%	10%
grade 7 events	4983	6141	5509	5713	461	6018
	88%	90%	92%	90%	20%	52%

## 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	287.245383	287.27255329361	Alternating exposures requested	N	N
Pointing Dec	16.391373	16.38449482687903	Primary exposure time	0.000000	3.2
Pointing Roll	313.999324	314.1482764343162			
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	186080464.184000	186080087.55806			
Observation start date	2003-11-24T17:00:00	2003-11-24T16:54:47			
Observation end time	186081754.184000	186081887.45813			
Observation end date	2003-11-24T17:21:30	2003-11-24T17:24:47			
Read mode	TIMED	TIMED			

## 2.3 Aspect





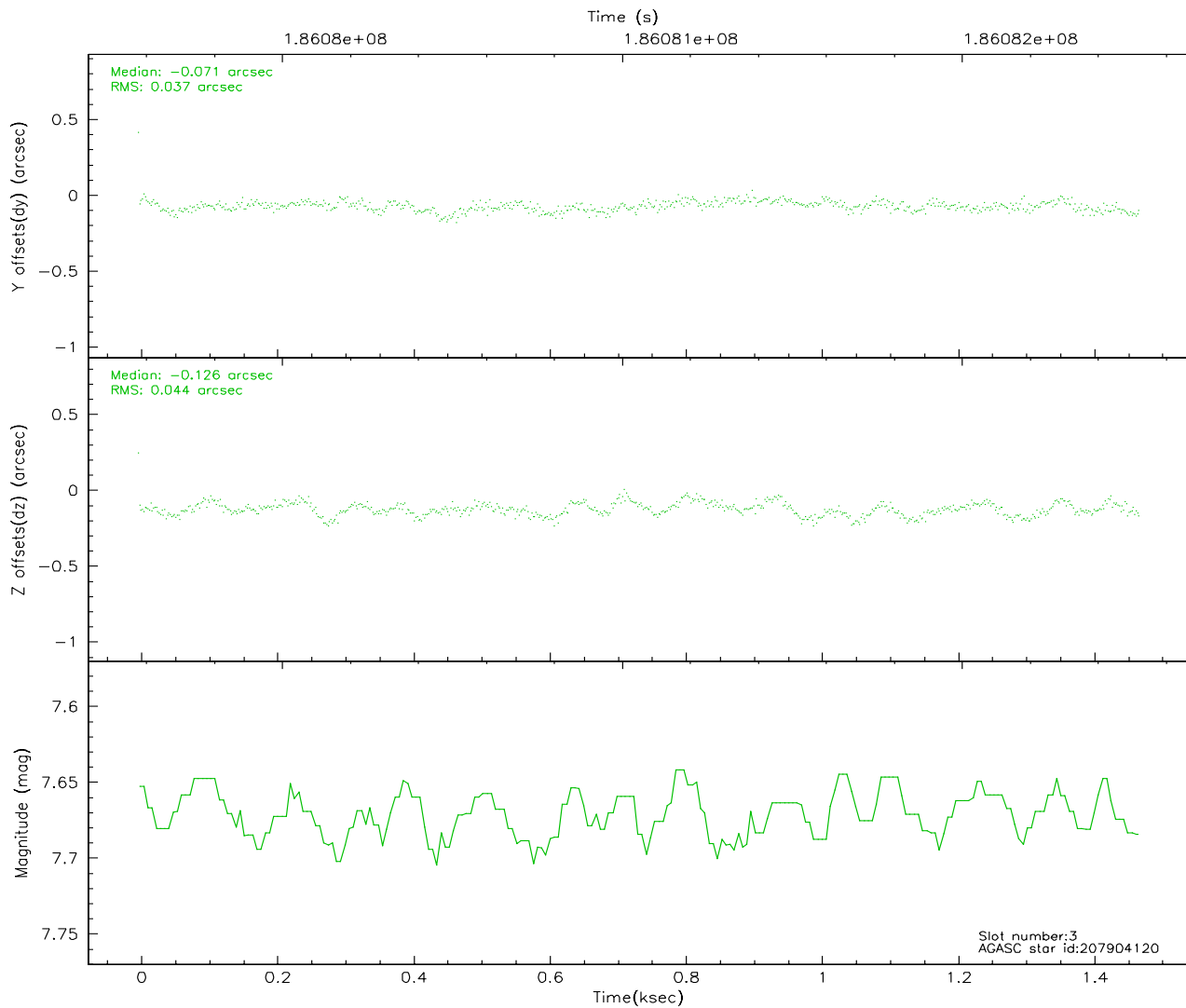
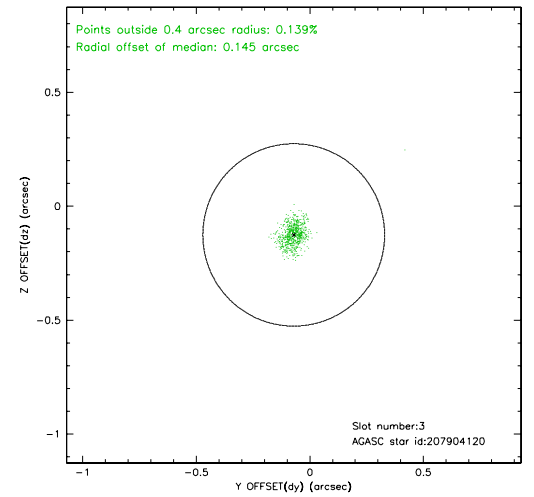
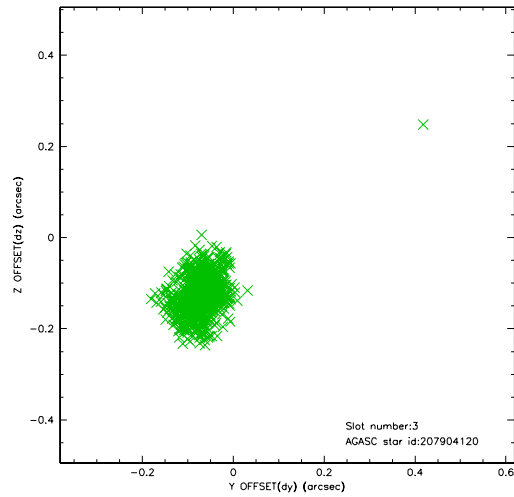
### Slot Statistics

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	359	0.006	0.015	0.006	0.011	0.000000	0.000000	-760.36	-1733.17
1	FID	ACIS-S-5	7.23	359	0.001	0.016	0.007	0.011	0.000000	0.000000	-1815.56	164.12
2	FID	ACIS-S-6	7.34	359	-0.032	-0.023	0.006	0.011	0.000000	0.000000	396.28	813.13
3	GUIDE	207904120	7.67	718	-0.071	-0.126	0.059	0.092	286.904195	16.289988	-555.98	-1100.94
4	GUIDE	207916440	6.83	718	-0.208	-0.024	0.063	0.096	287.167522	16.851310	-1377.19	955.39
5	GUIDE	208416976	8.35	718	-0.087	0.033	0.077	0.126	287.326965	17.073967	-1573.72	1910.17
6	GUIDE	208421840	9.23	718	0.050	-0.052	0.095	0.155	287.570311	16.918850	-590.43	2127.50
7	GUIDE	209596088	9.37	716	0.312	0.164	0.094	0.154	288.150718	16.305149	2391.73	2042.97

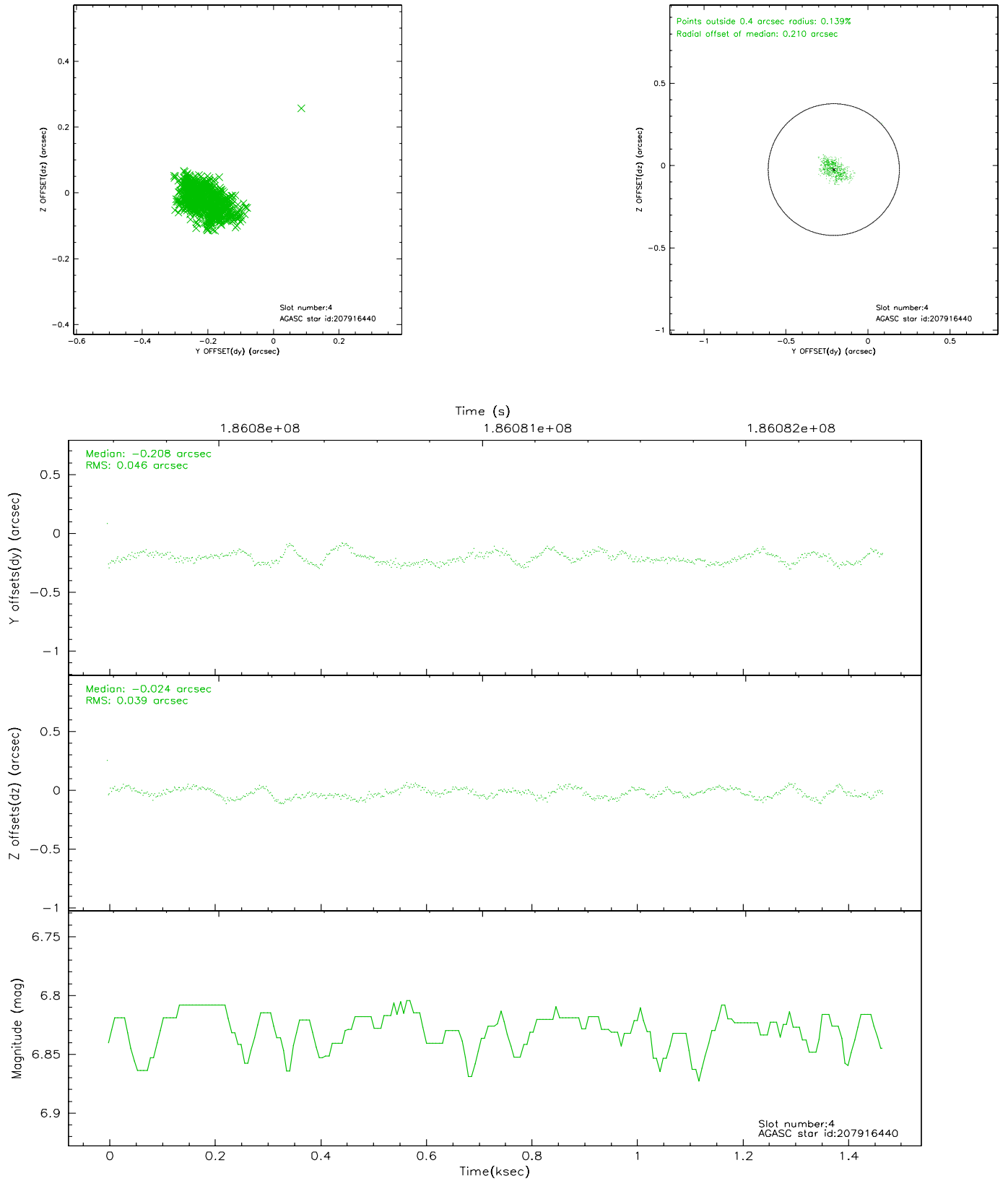


## 2.4 Star Slots

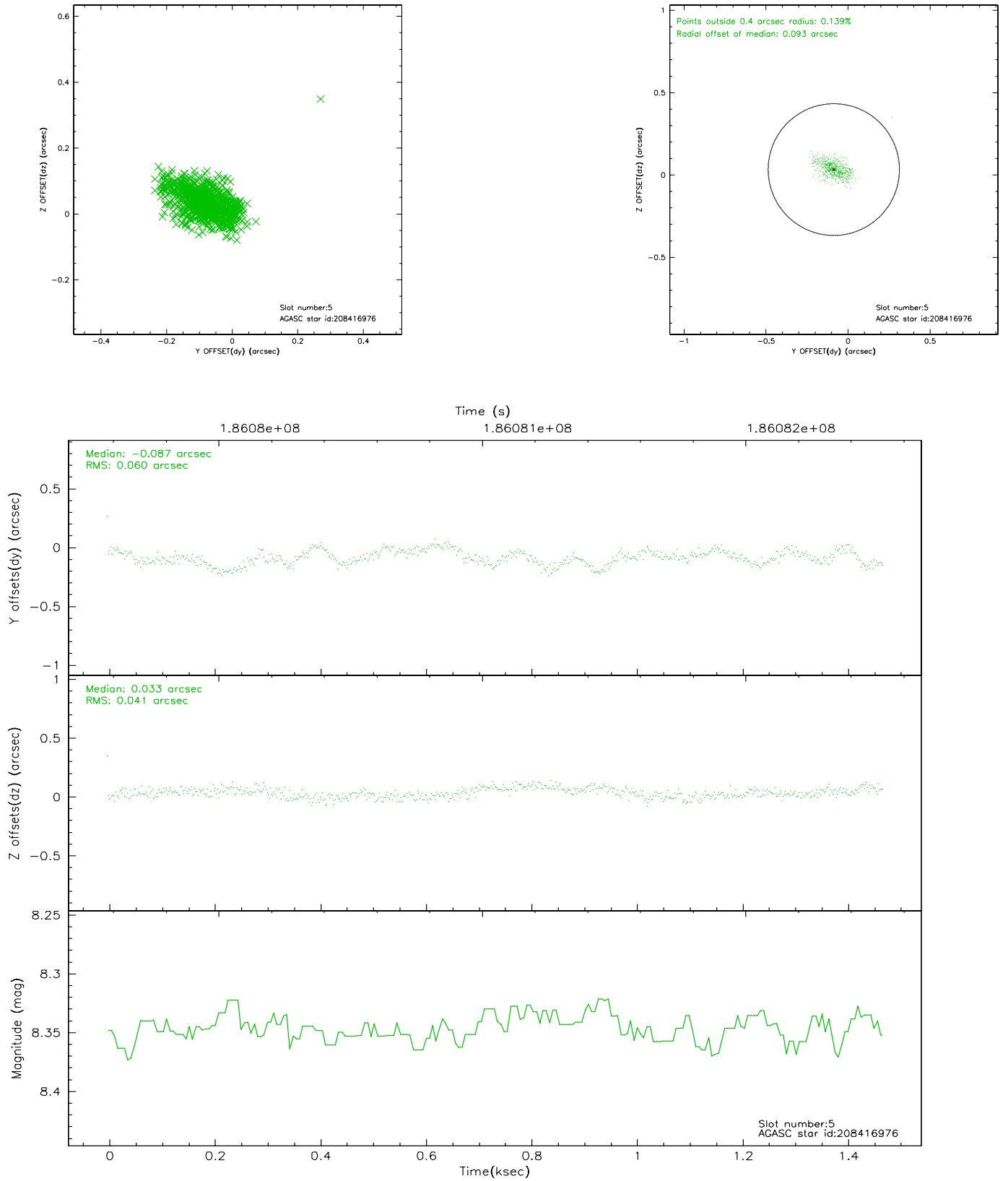
### 2.4.1 Slot 3



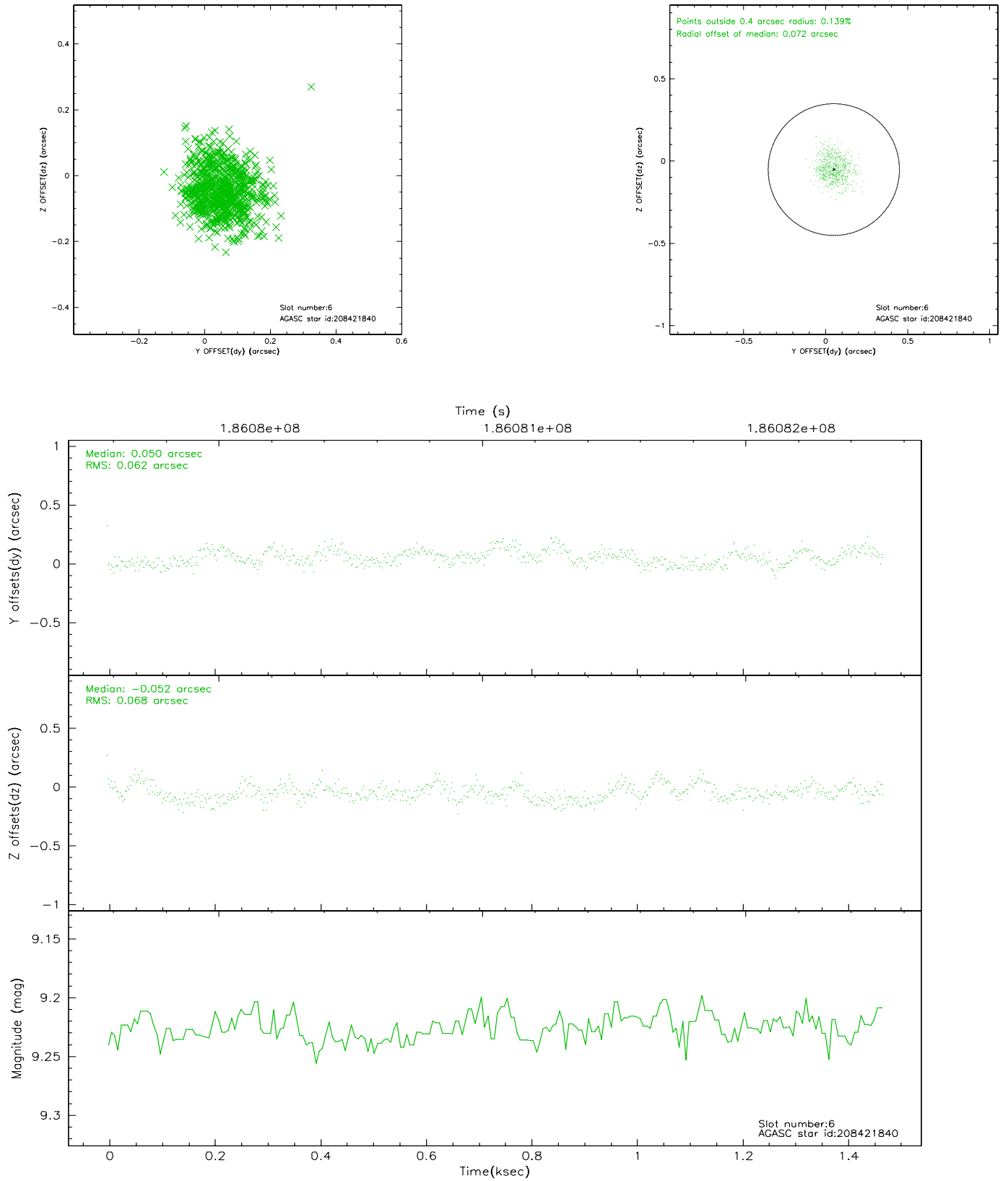
## 2.4.2 Slot 4



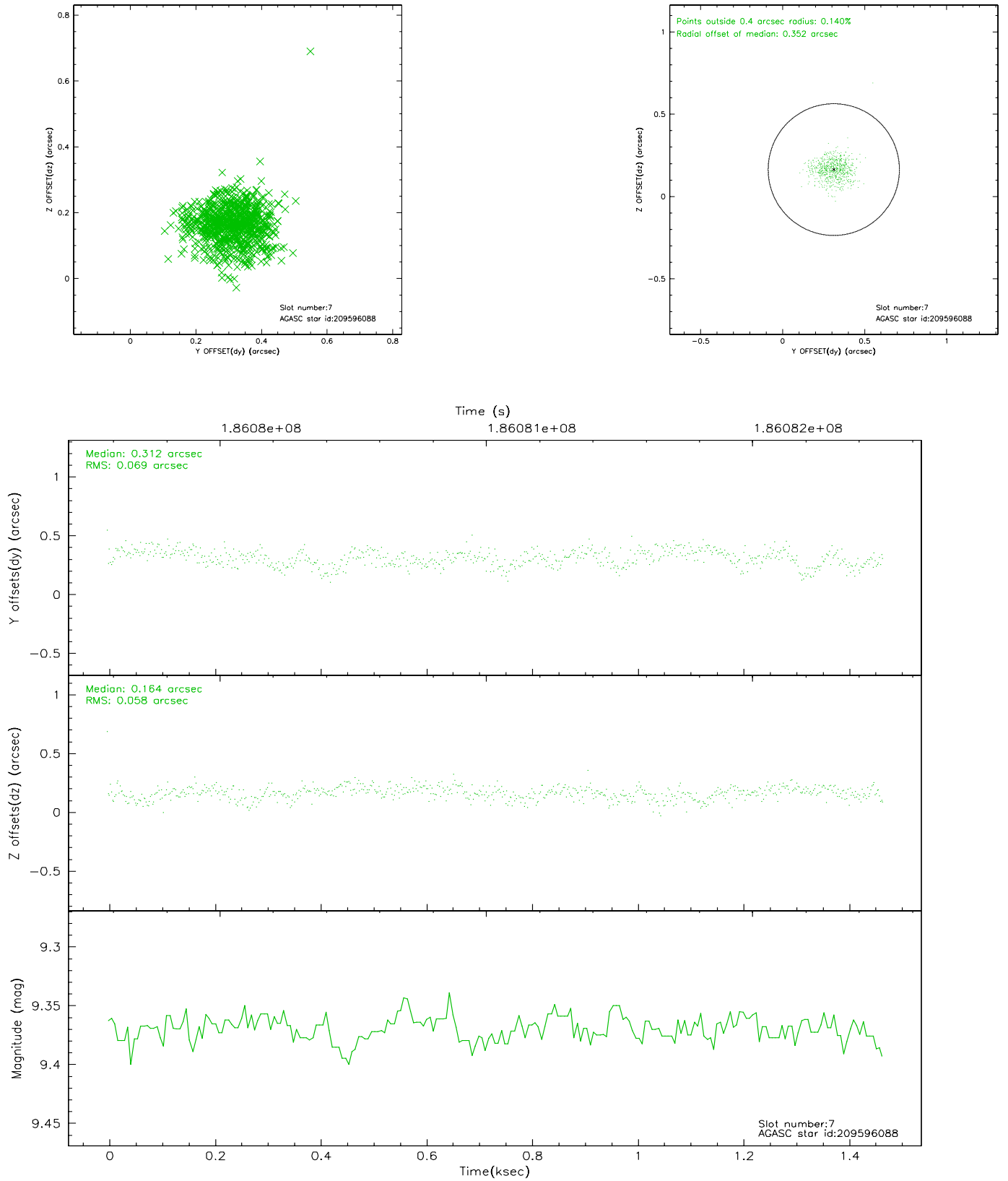
### 2.4.3 Slot 5



## 2.4.4 Slot 6

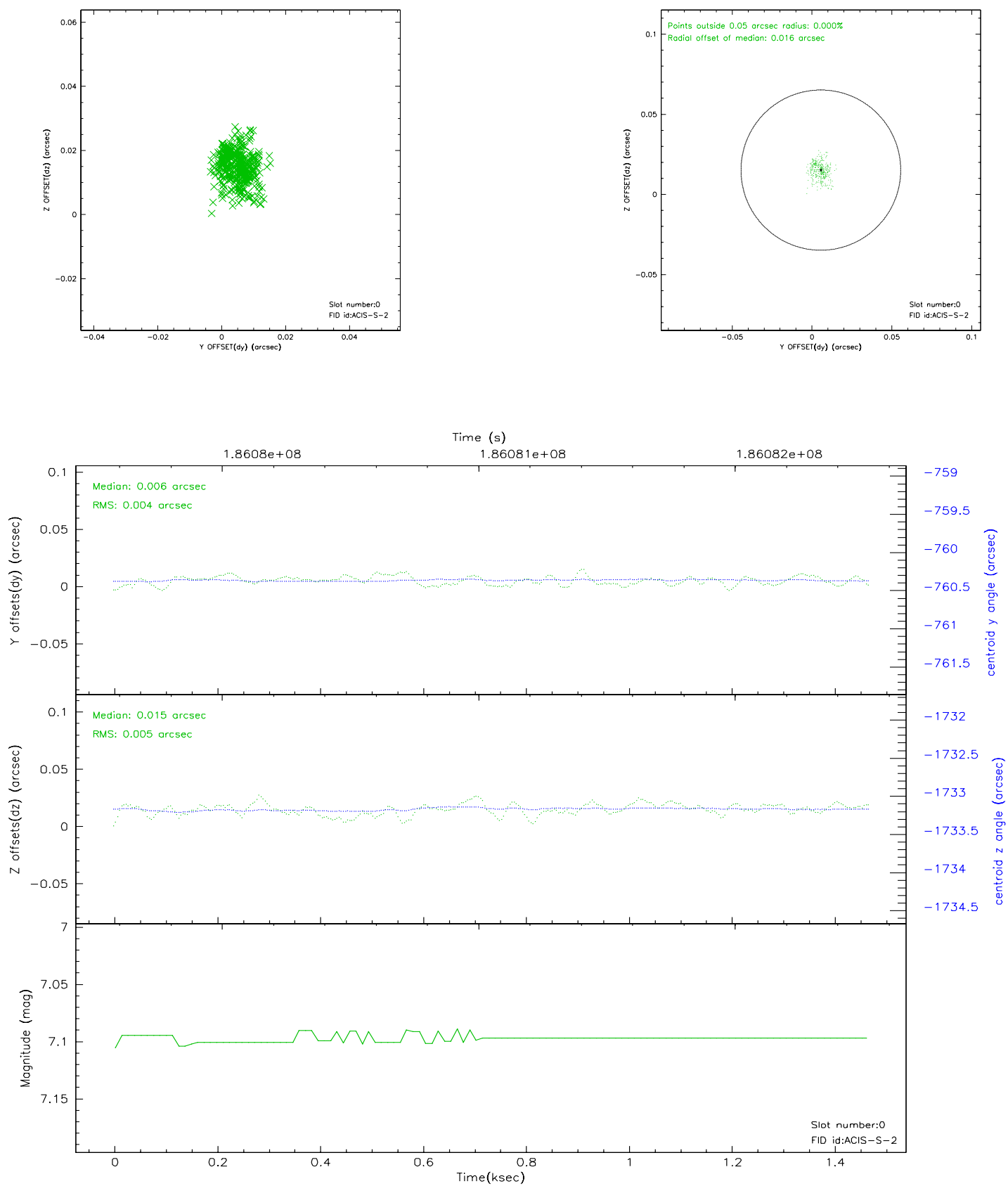


## 2.4.5 Slot 7

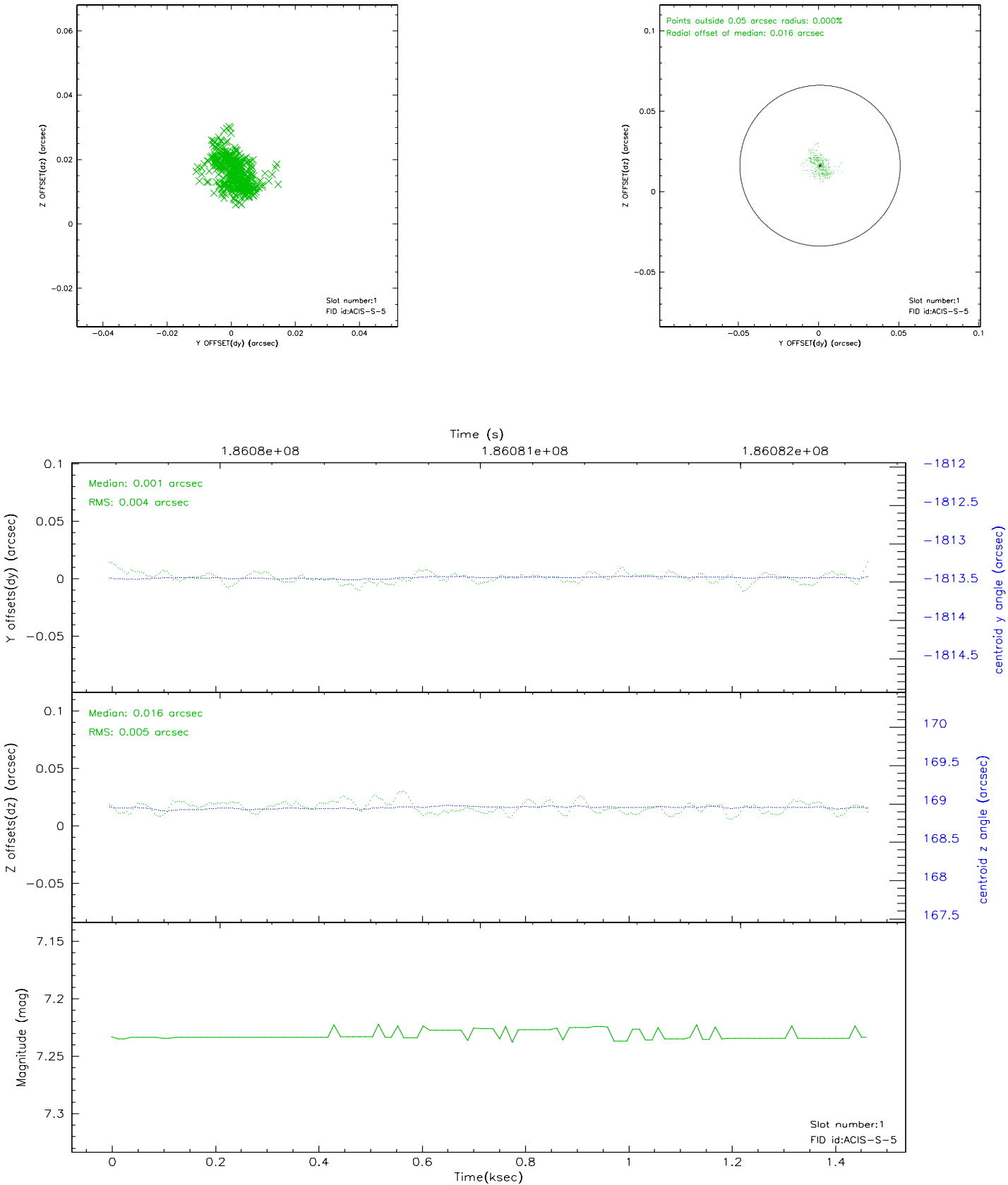


## 2.5 FID Slots

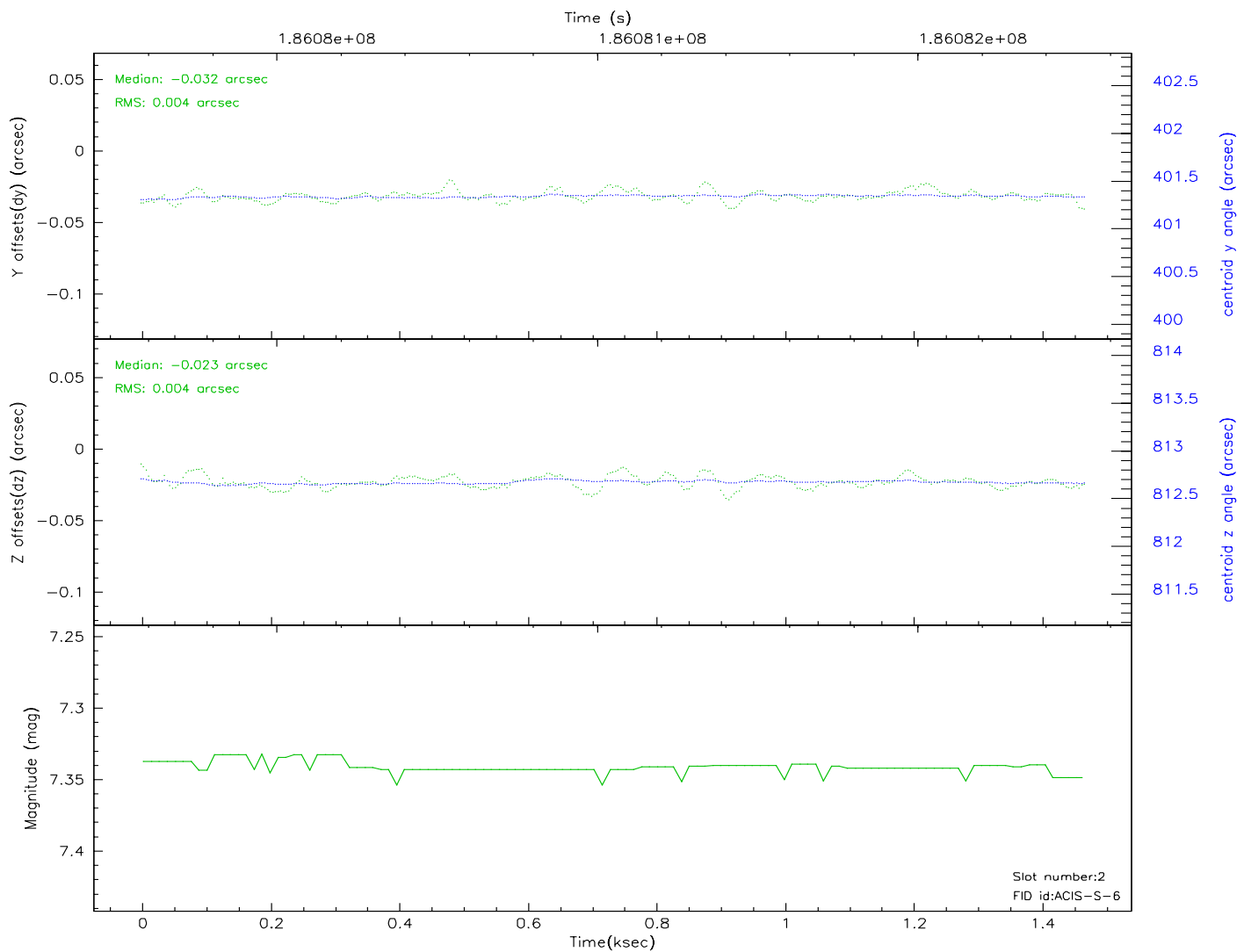
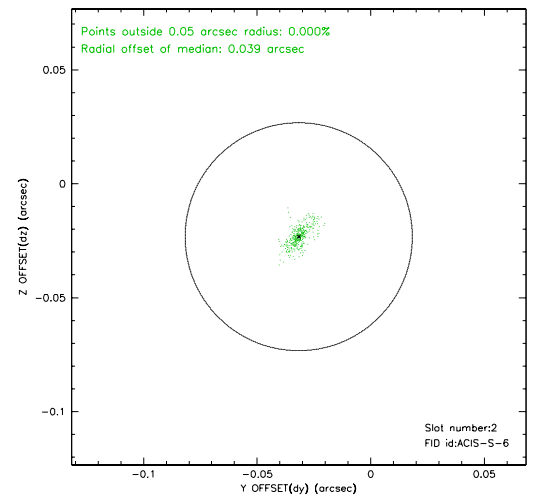
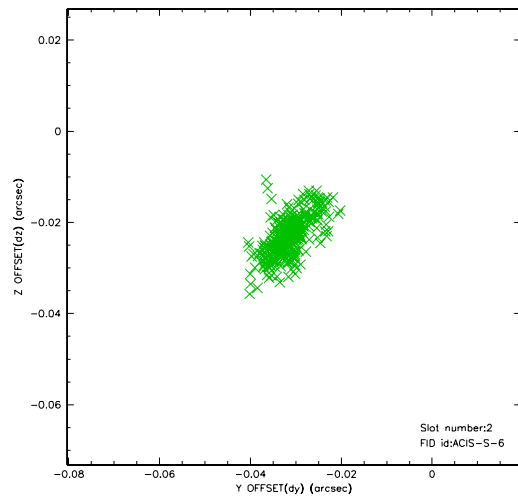
### 2.5.1 Slot 0



2.5.2 Slot 1



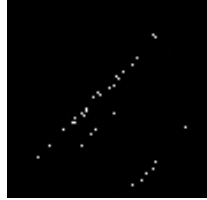
### 2.5.3 Slot 2





### 3 Point Sources

10.38 arcmin



## 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	1.468

### A.2 Comments