

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 12939 - L2 Version 1  
Chandra X-Ray Center

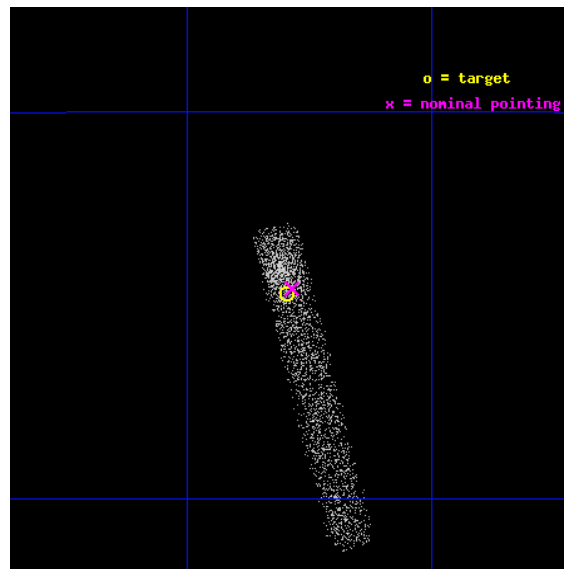
L2 Processing Date : Apr 20 2012

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# 1 Front

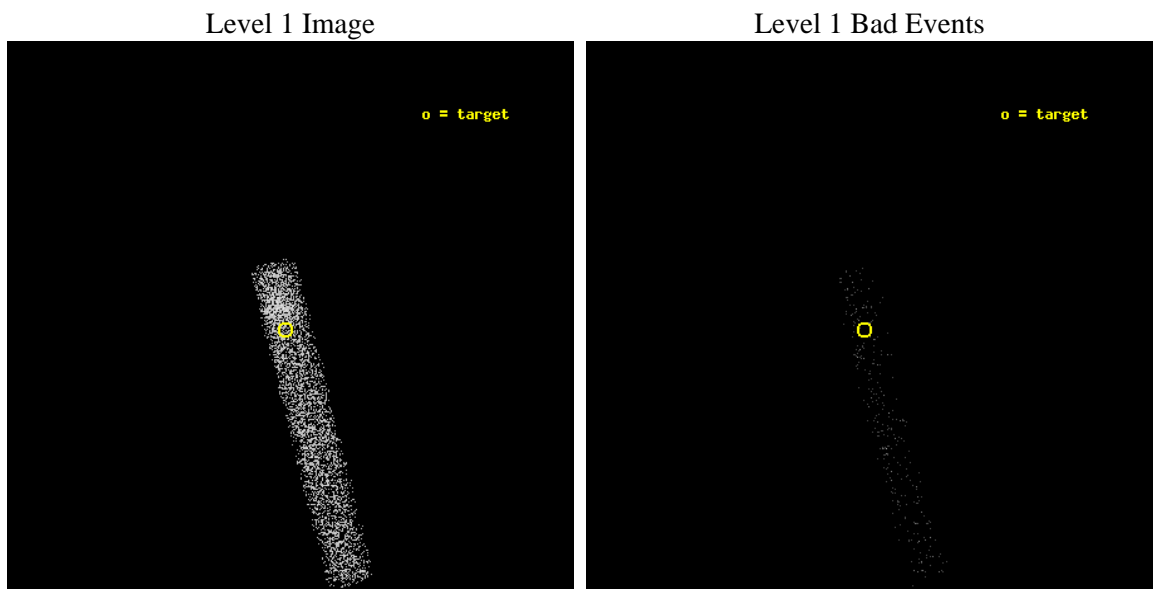
seq_num	900971	Sequence number
obs_id	12939	Observation id
title	Chandra Studies of Unidentified X-ray Sources in the Galactic Bulge	&#160
observer	Dr. Hideyuki Mori	Principal investigator
object	1RXS J170047.8-314442	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	255.199167	Observer's specified target RA [deg]
dec_targ	-31.745	Observer's specified target Dec [deg]
ra_nom	255.19664613679	Nominal RA [deg]
dec_nom	-31.742841125184	Nominal Dec [deg]
roll_nom	75.922922976121	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4070.3997573853	Sum of GTIs [s]
livetime	3691.6377266327	Livetime [s]
ontime7	4070.3997573853	Sum of GTIs [s]
l2events	2913	Number of level 2 events



## 2 OBI

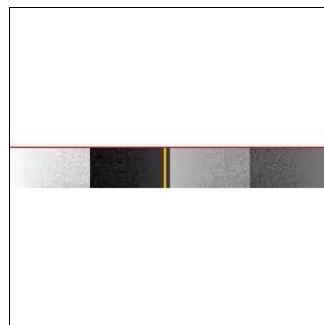
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	3	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4070.3997573853	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime7	4070.3997573853	Sum of GTIs [s]
date	2012-04-20T22:33:16	Date and time of file creation	l1events	5287	Number of level 1 events
revision	1	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	5287
rejected events	2271
rejected %	42%

	<b>ccd 7</b>
grade 0 events	478
	9%
grade 1 events	5
	0%
grade 2 events	613
	11%
grade 3 events	398
	7%
grade 4 events	381
	7%
grade 5 events	453
	8%
grade 6 events	1146
	21%
grade 7 events	1813
	34%

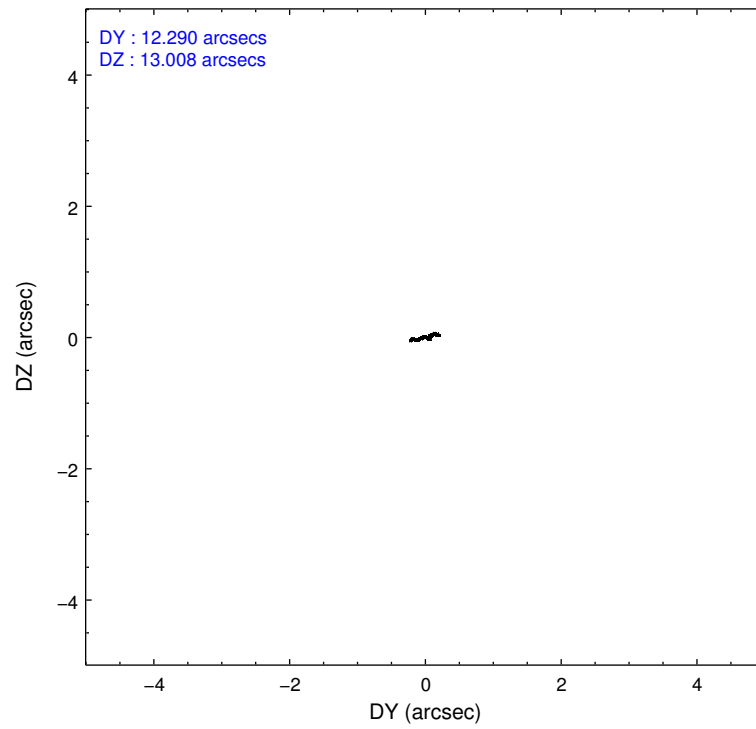
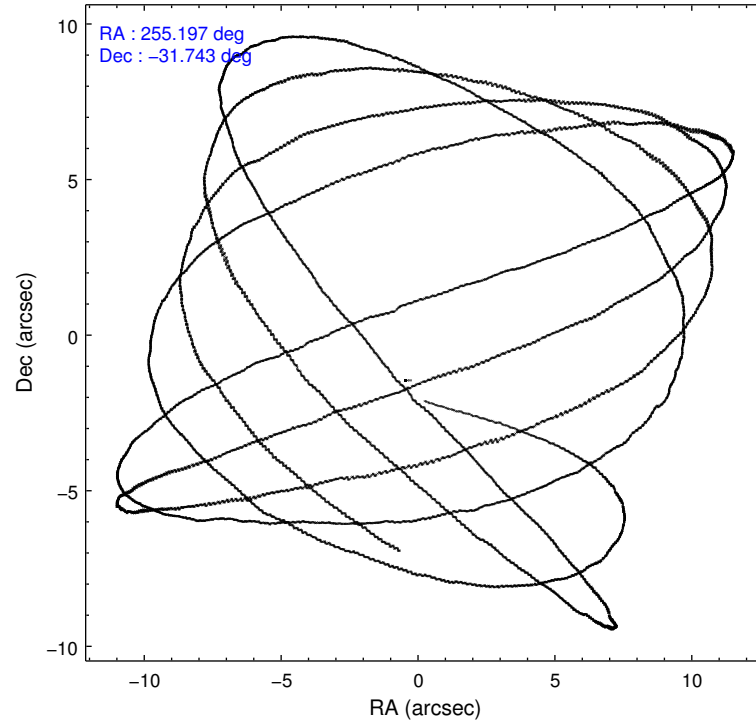


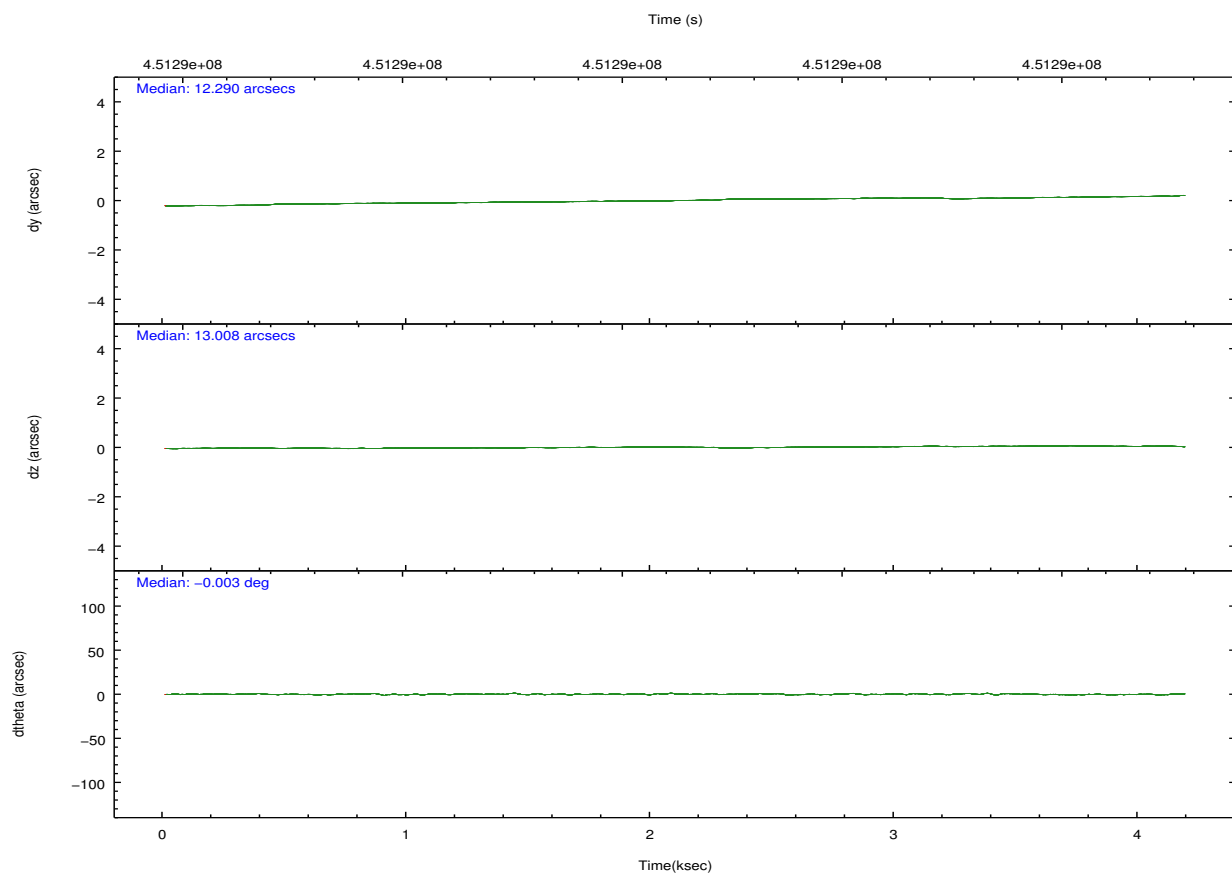
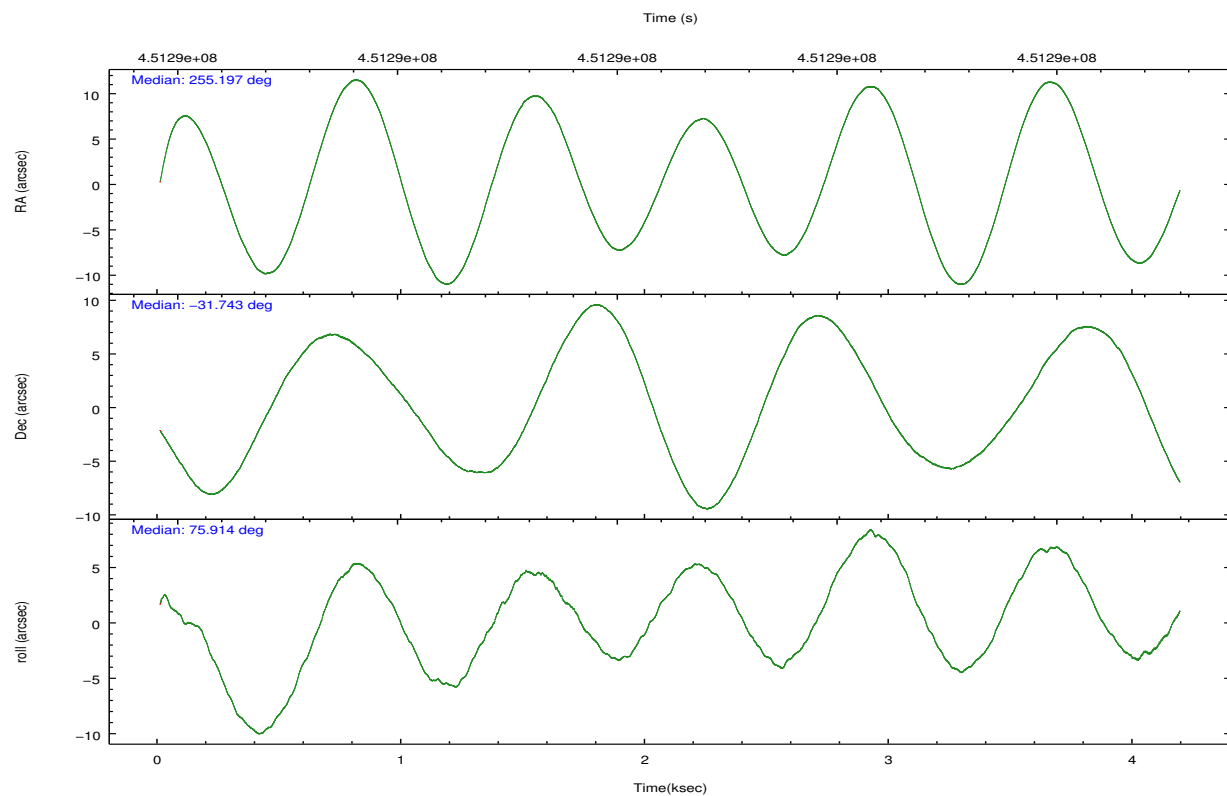
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	255.205967	255.1966461367938
[deg] Pointing Dec	-31.768985	-31.742841125184
[deg] Pointing Roll	75.771176	75.92292297612123
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1400660498719
[mm] SIM translation stage offset	0	0.00754346686406393
[s] Observation start time (MET)	451286341.184000	451285592.2501
Observation start date	2012-04-20T05:17:55	2012-04-20T05:06:32
[s] Observation end time (MET)	451290341.184000	451290926.35038
Observation end date	2012-04-20T06:24:35	2012-04-20T06:35:26
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/8
Subarray start row	449	449
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.4

## 2.3 Aspect



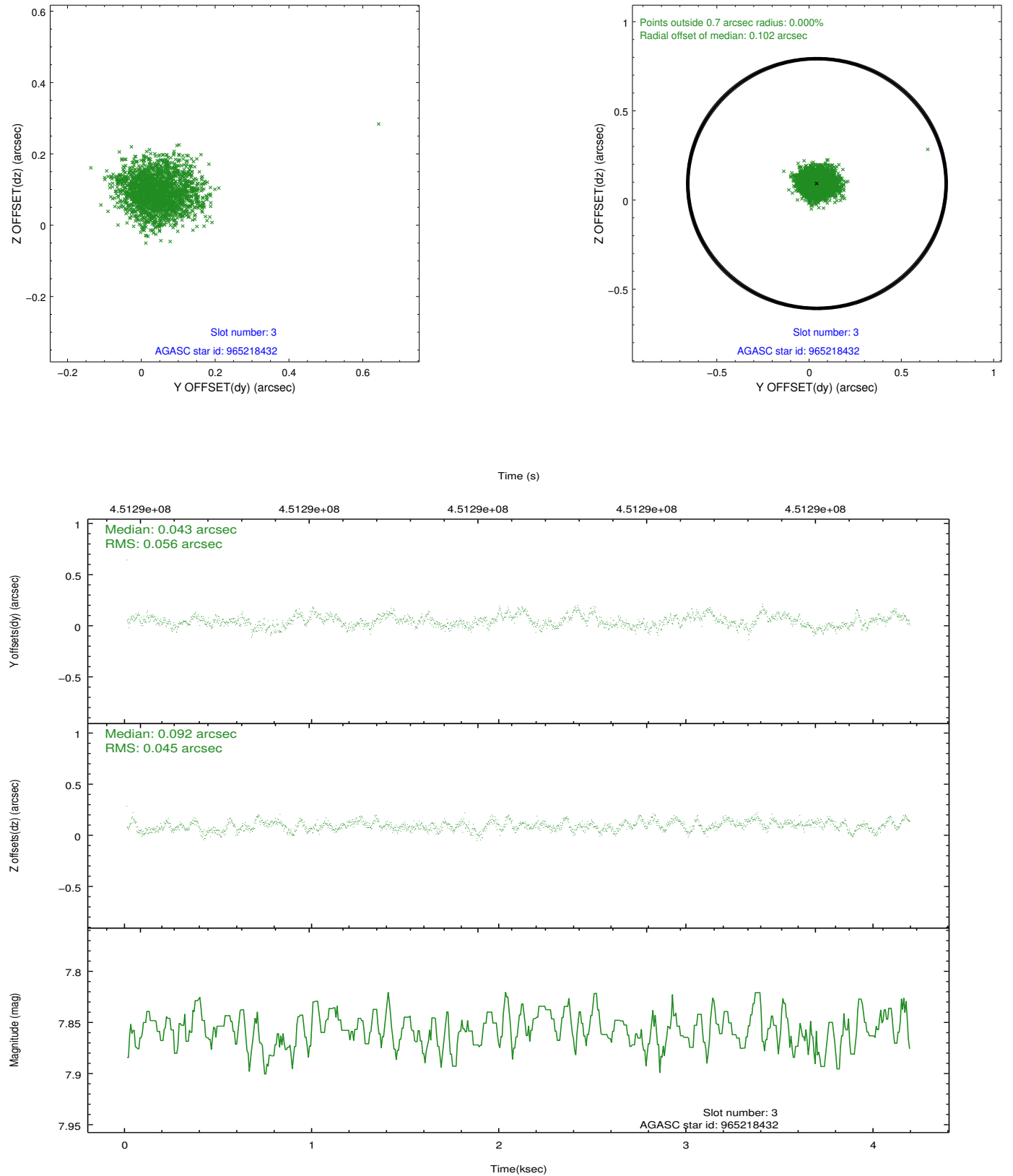


### Slot Statistics

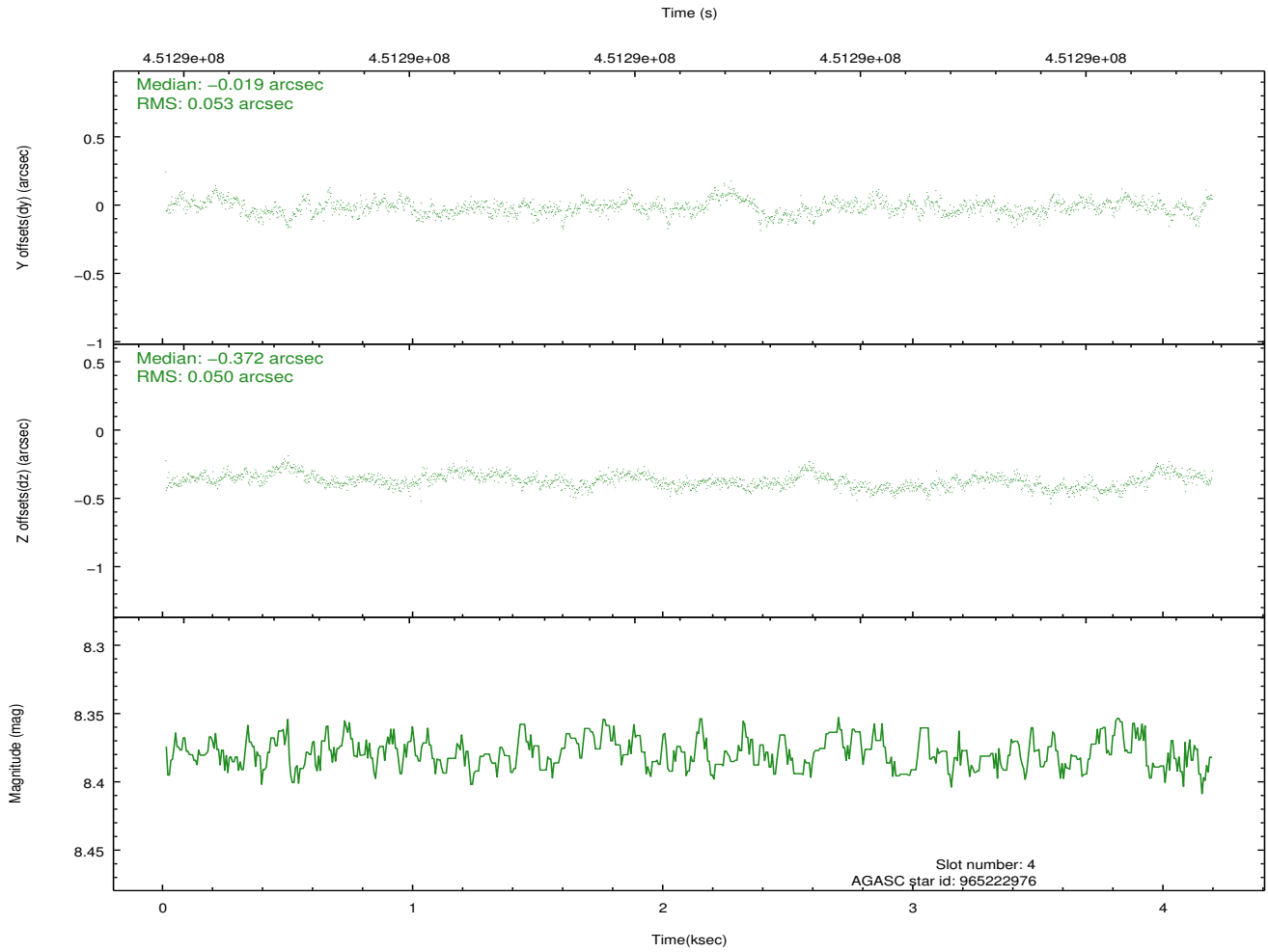
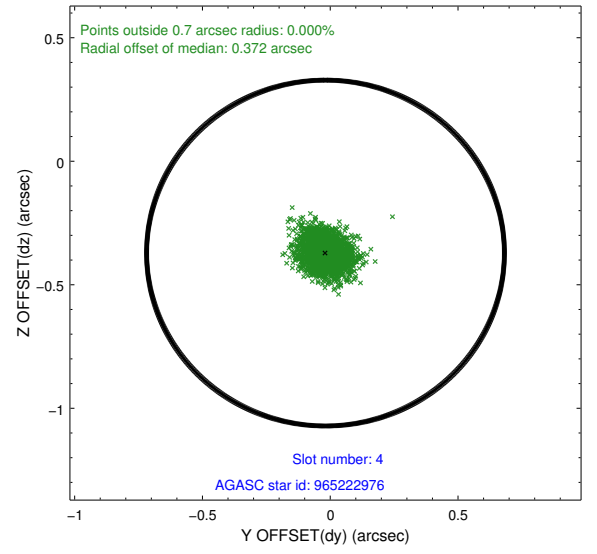
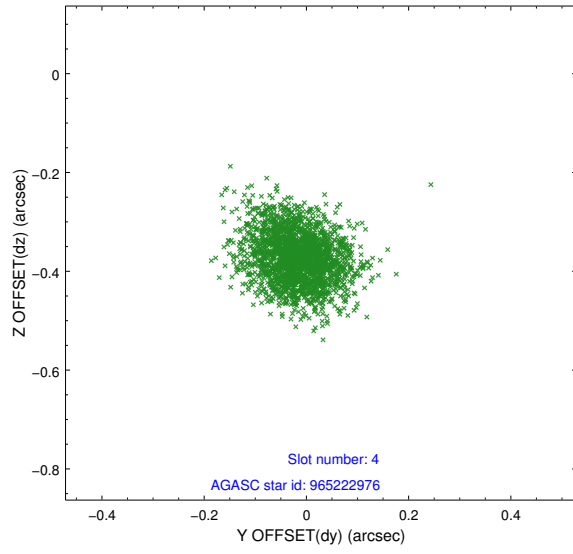
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.94	1021	-0.070	-0.036	0.007	0.013	0.000000	0.000000	-765.27	-1734.36
1	FID	ACIS-S-4	7.03	1021	0.121	0.021	0.007	0.011	0.000000	0.000000	2147.54	172.61
2	FID	ACIS-S-6	7.17	1021	-0.079	0.022	0.009	0.015	0.000000	0.000000	398.63	811.71
3	GUIDE	965218432	7.86	2040	0.043	0.092	0.077	0.120	255.614605	-32.259640	-1408.67	-1640.59
4	GUIDE	965222976	8.38	2041	-0.019	-0.372	0.077	0.126	254.525329	-32.067722	-1559.91	1745.66
5	GUIDE	965225384	7.90	2042	0.091	0.184	0.070	0.110	255.432118	-32.435707	-2158.52	-1255.34
6	GUIDE	965226400	8.99	2042	0.059	0.041	0.079	0.124	255.408997	-32.284157	-1646.90	-1055.62
7	GUIDE	964691616	7.46	2041	-0.181	0.044	0.089	0.140	255.824727	-31.614619	999.36	-1703.62

## 2.4 Star Slots

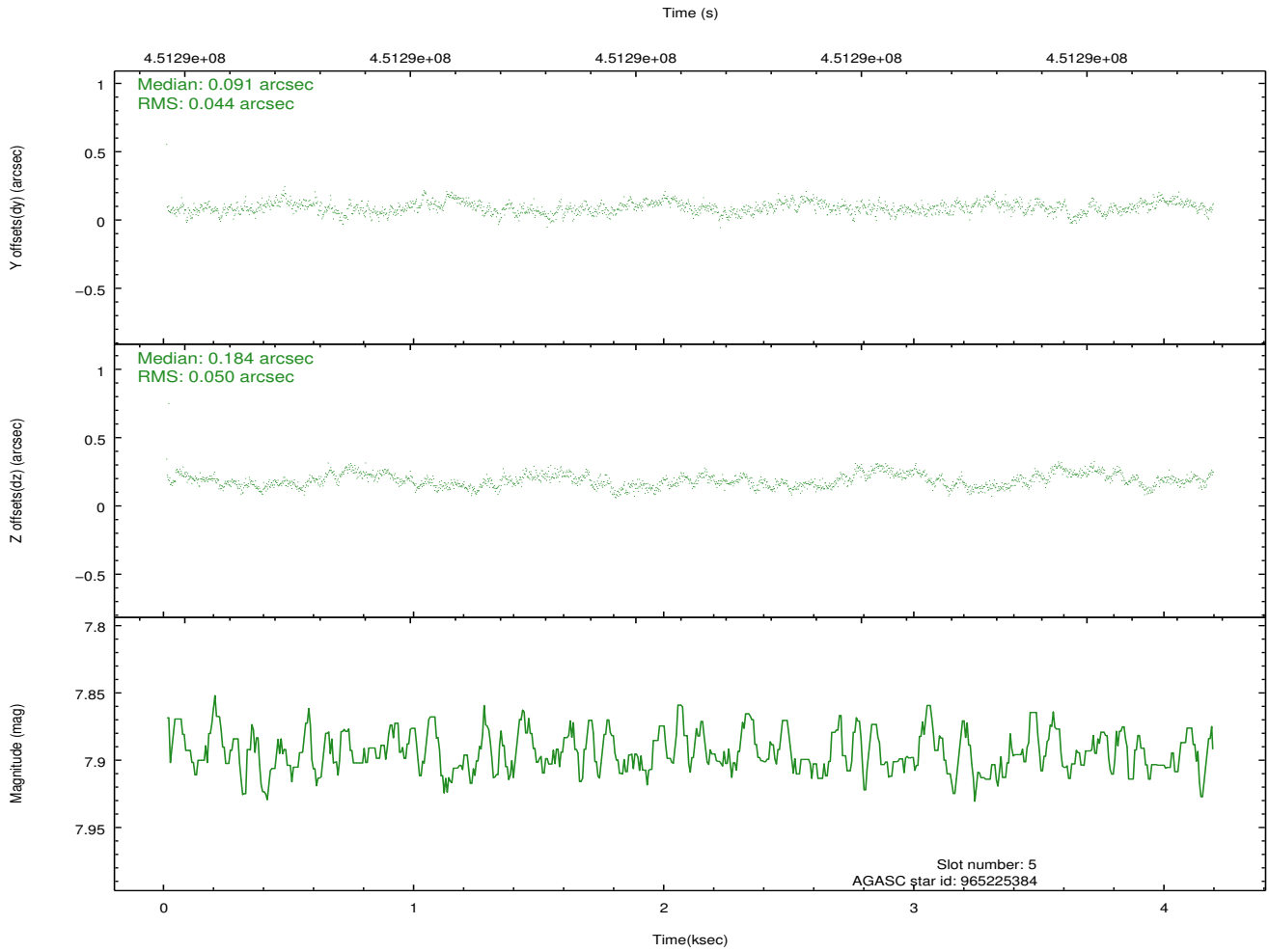
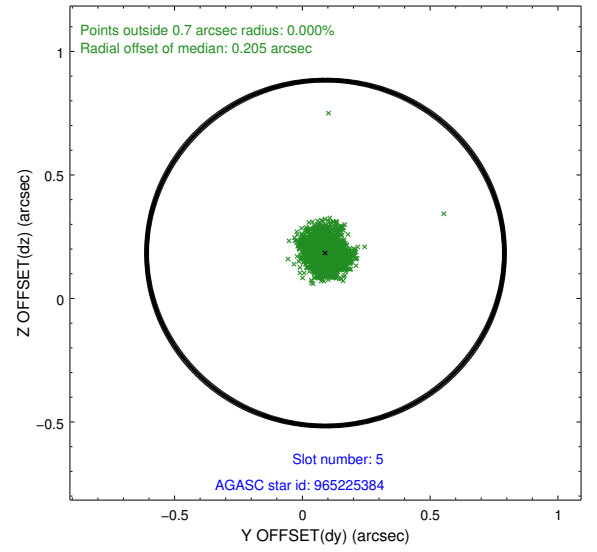
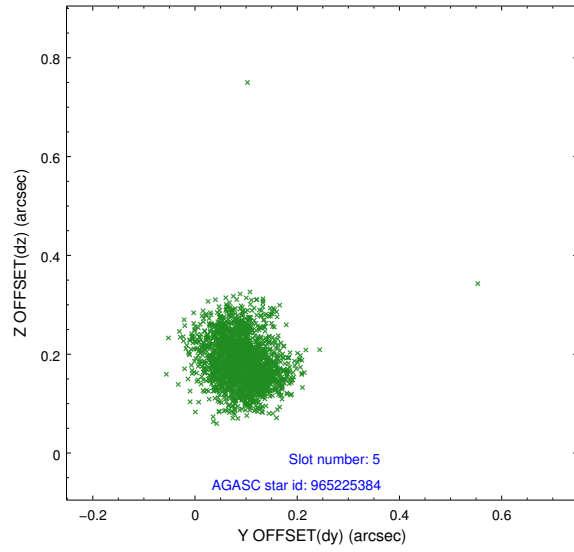
### 2.4.1 Slot 3



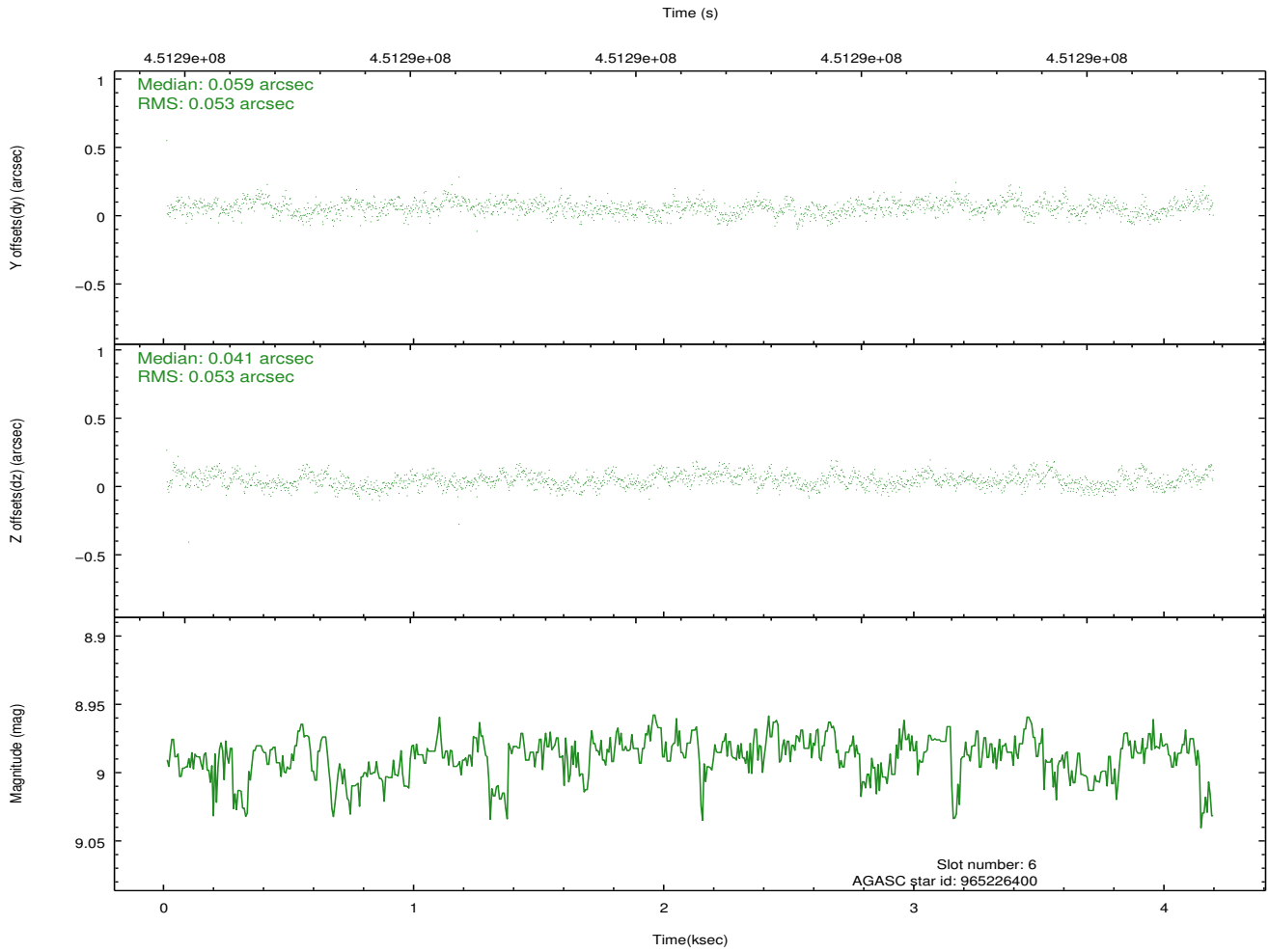
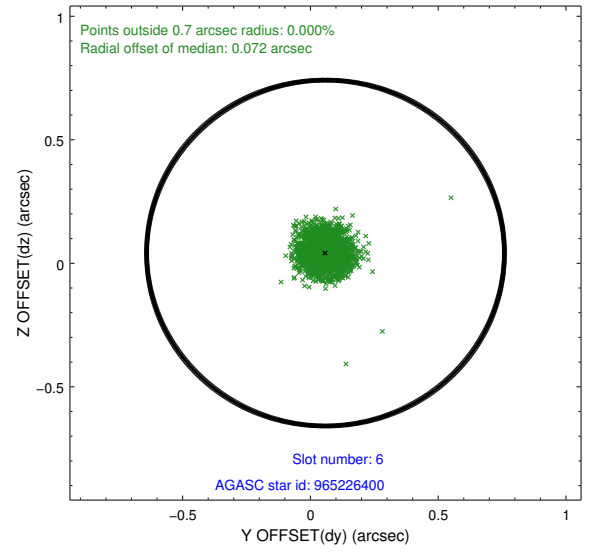
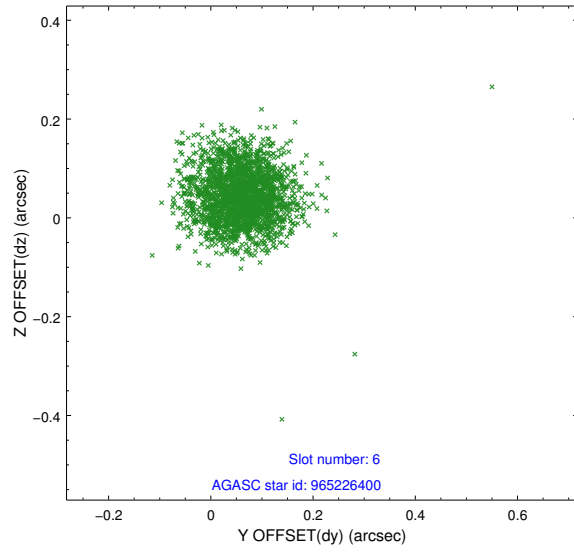
## 2.4.2 Slot 4



### 2.4.3 Slot 5

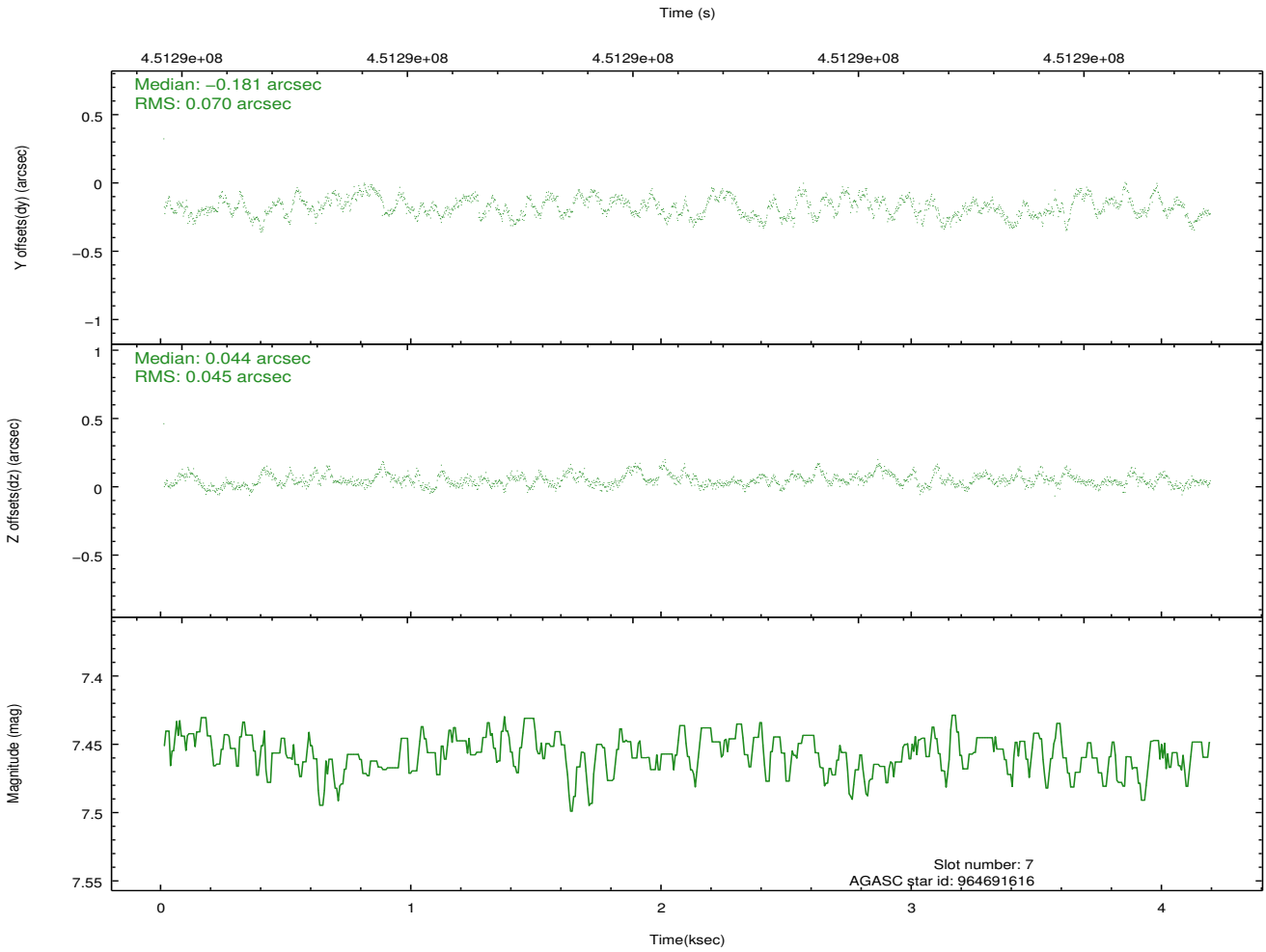
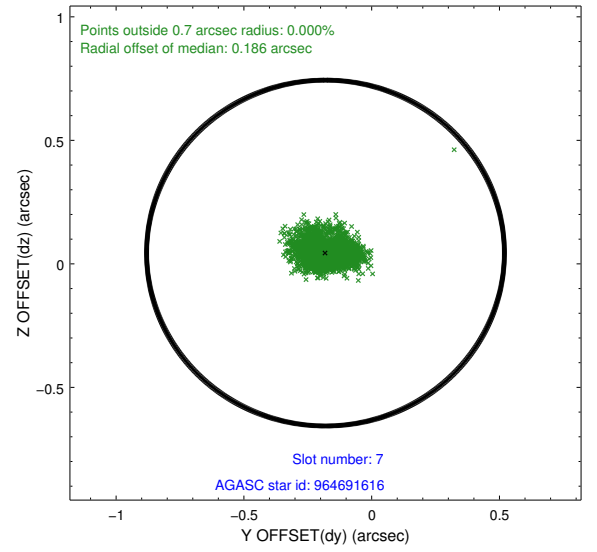
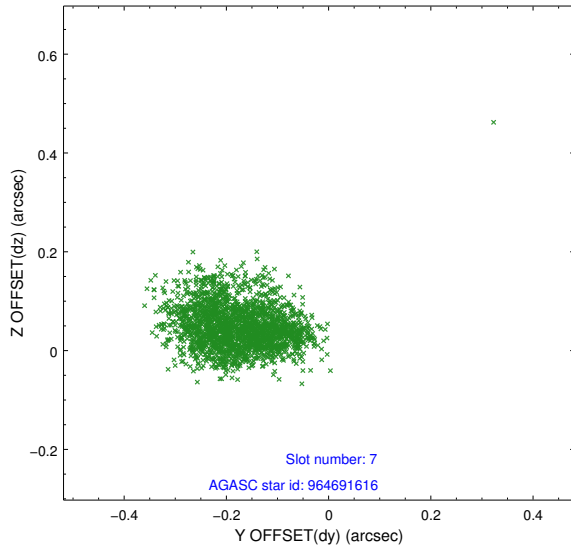


## 2.4.4 Slot 6



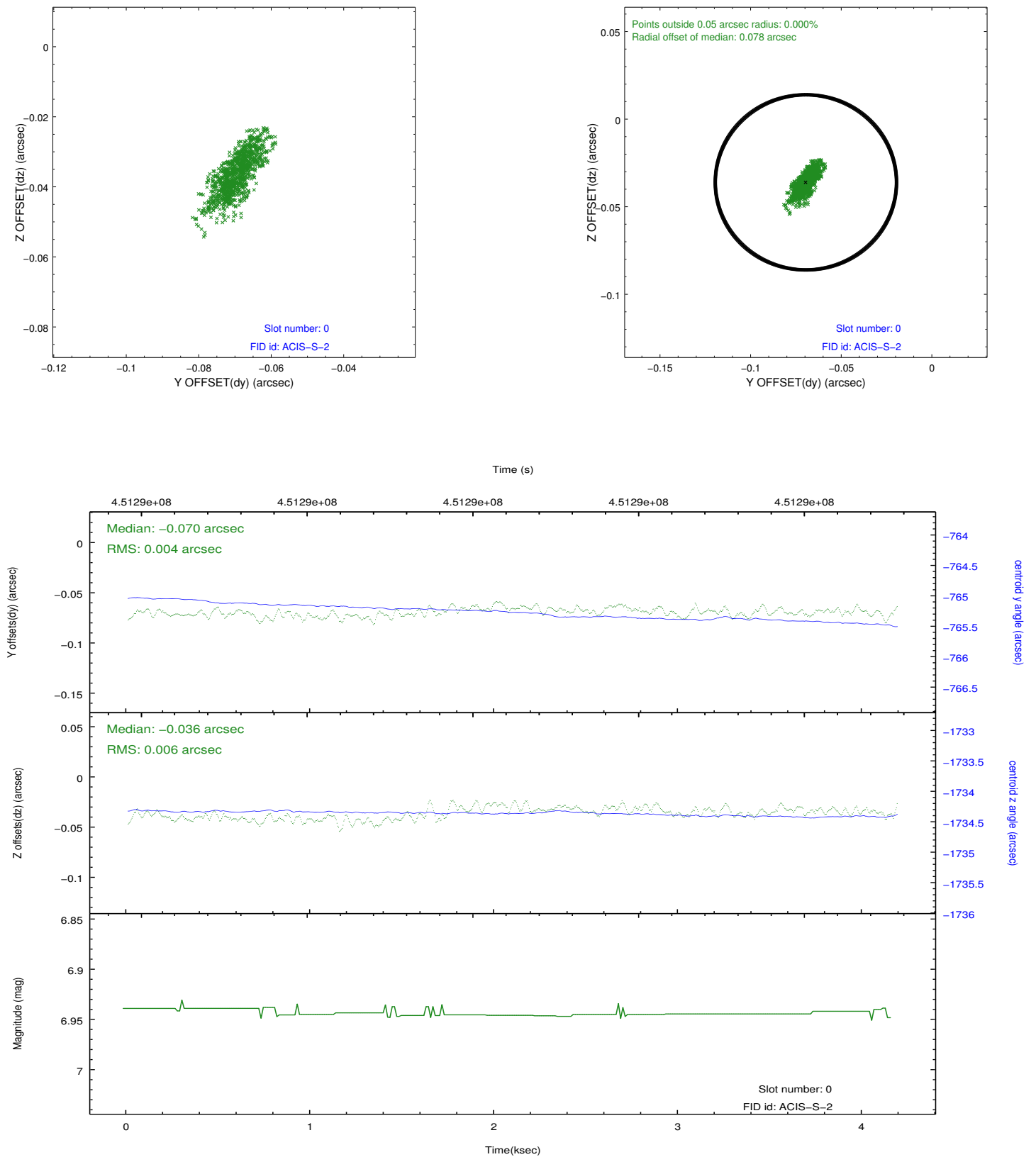


## 2.4.5 Slot 7

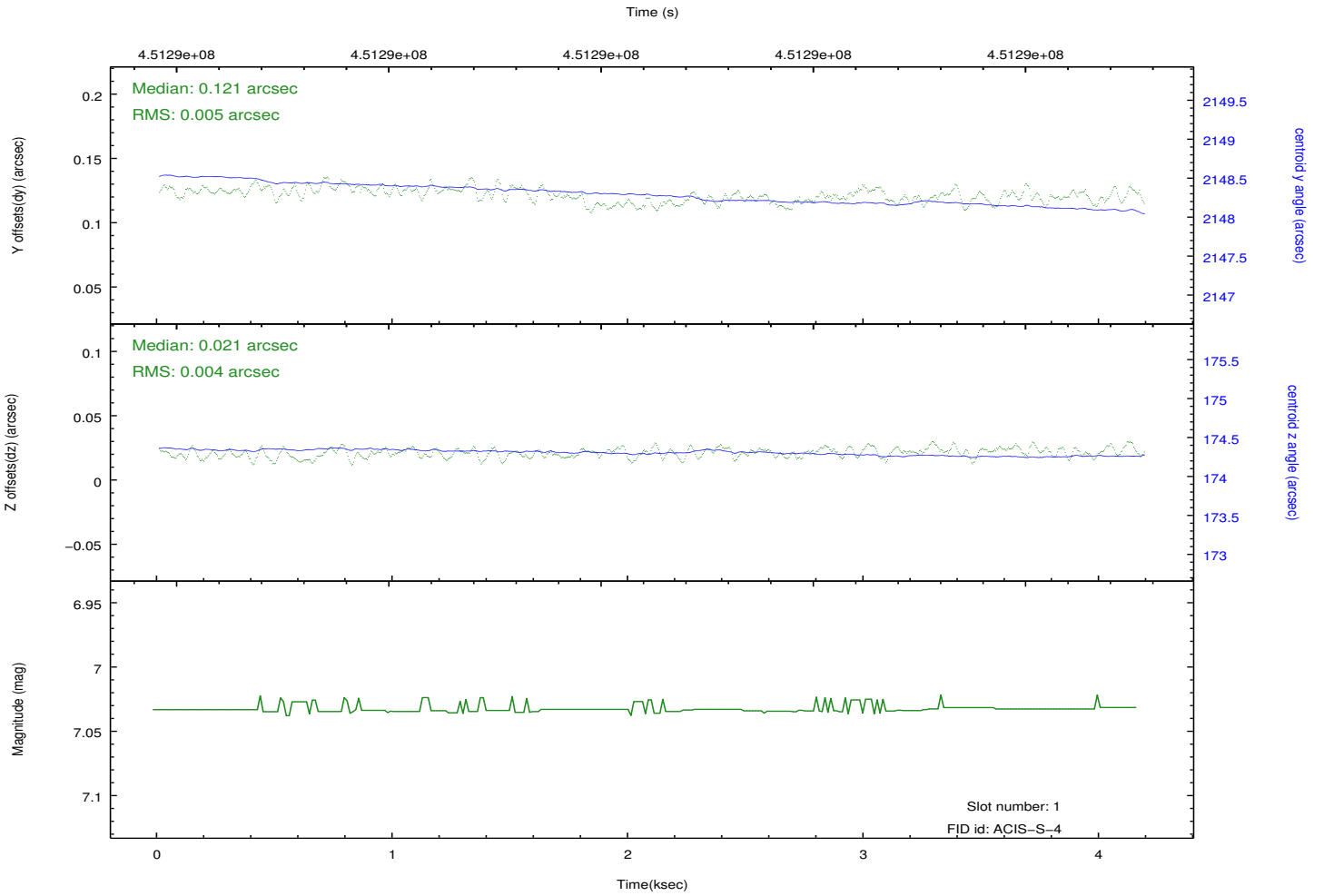
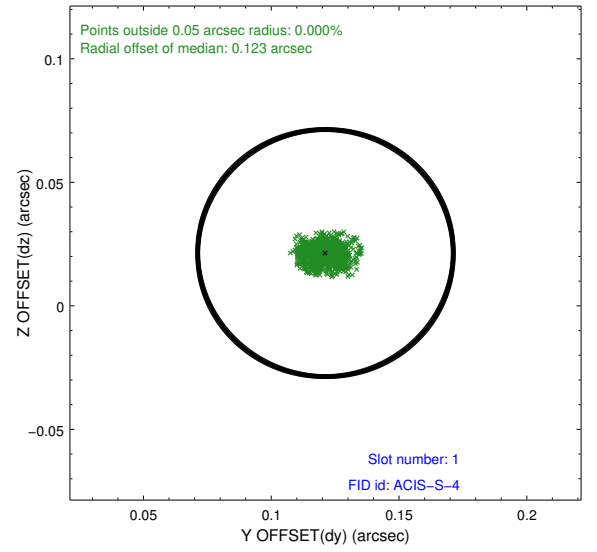
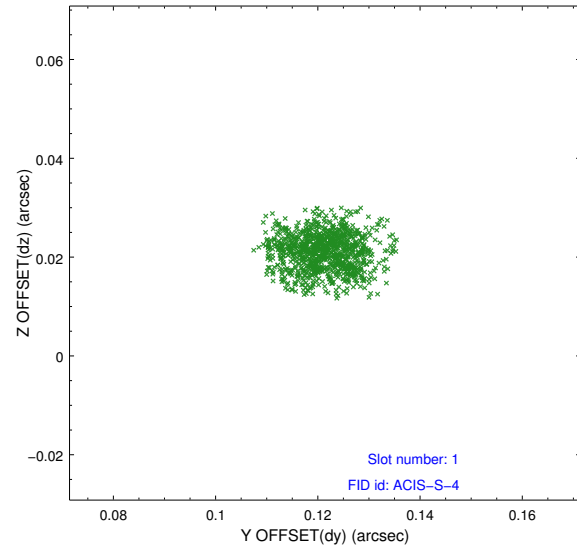


## 2.5 FID Slots

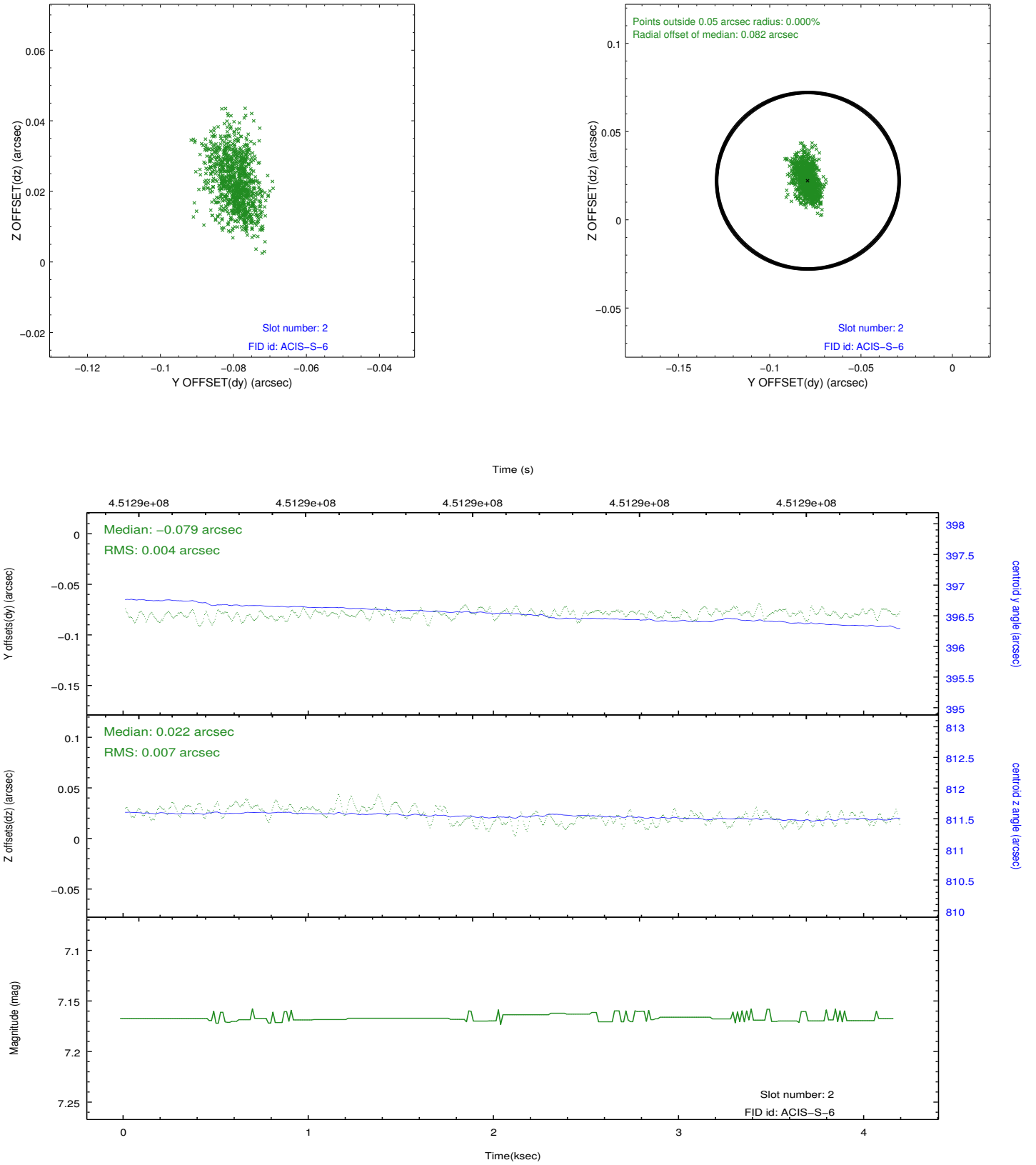
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.0703997573853

### A.2 Comments