

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 661 - L2 Version 4  
Chandra X-Ray Center

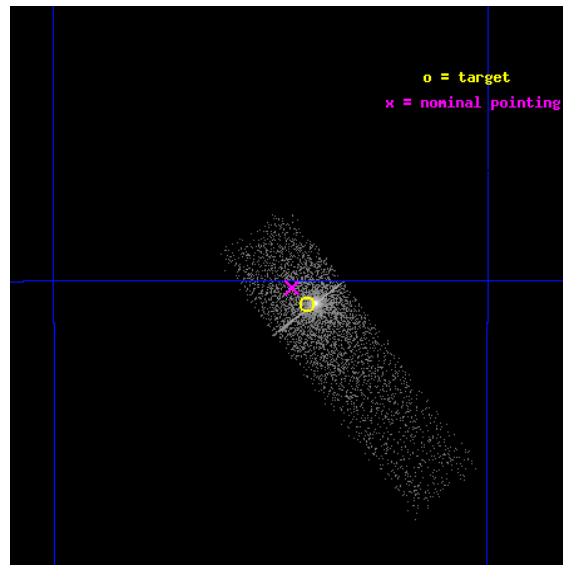
L2 Processing Date : Aug 27 2012

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# 1 Front

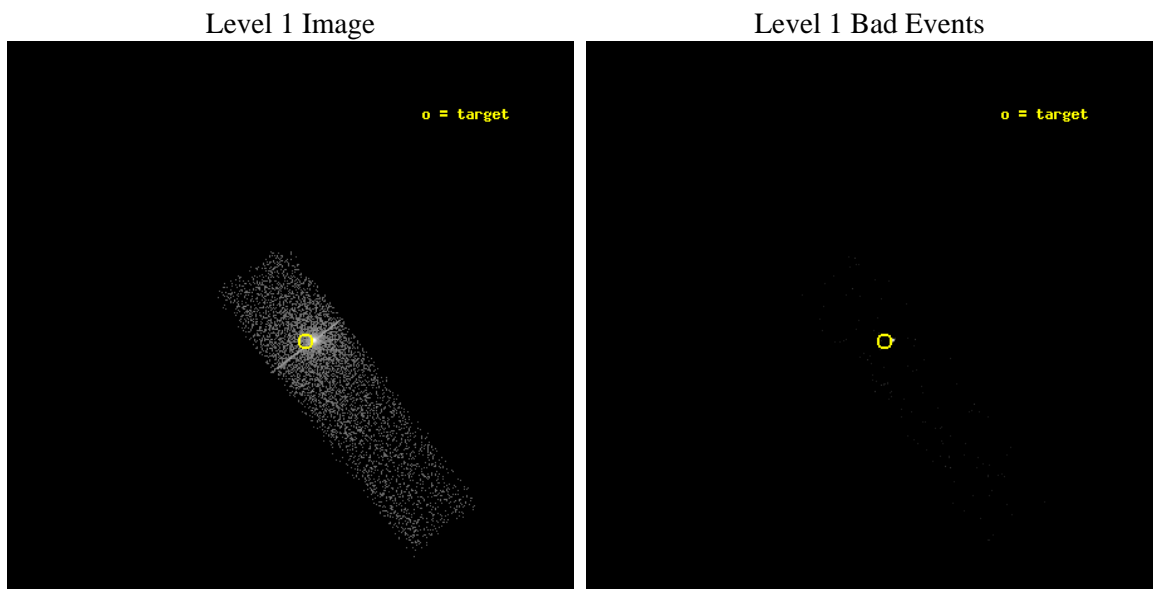
seq_num	400028	Sequence number
obs_id	661	Observation id
title	THE FAINTEST 'FIELD' LOW-MASS X-RAY BINARIES	Proposal title
observer	PROF MICHIEL VAN DER KLIS	Principal investigator
object	1708-408	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	258.10375	Observer's specified target RA [deg]
dec_targ	-40.842944	Observer's specified target Dec [deg]
ra_nom	258.11285686635	Nominal RA [deg]
dec_nom	-40.836256456619	Nominal Dec [deg]
roll_nom	53.050051743163	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1203.1999955326	Sum of GTIs [s]
livetime	1144.4877727886	Livetime [s]
ontime7	1203.1999955326	Sum of GTIs [s]
l2events	7174	Number of level 2 events



## 2 OBI

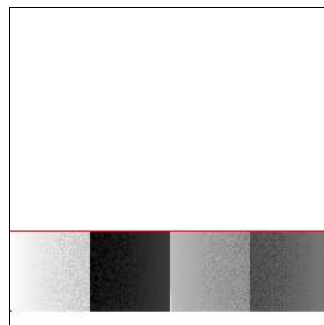
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1203.1999955326	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime7	1203.1999955326	Sum of GTIs [s]
date	2012-08-27T18:30:52	Date and time of file creation	l1events	14636	Number of level 1 events
revision	4	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	14636
rejected events	7405
rejected %	50%

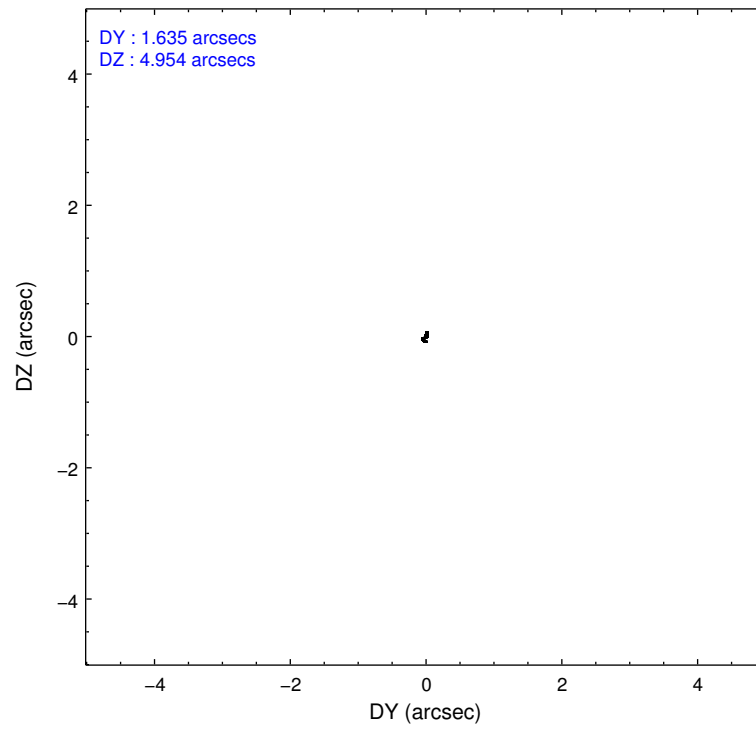
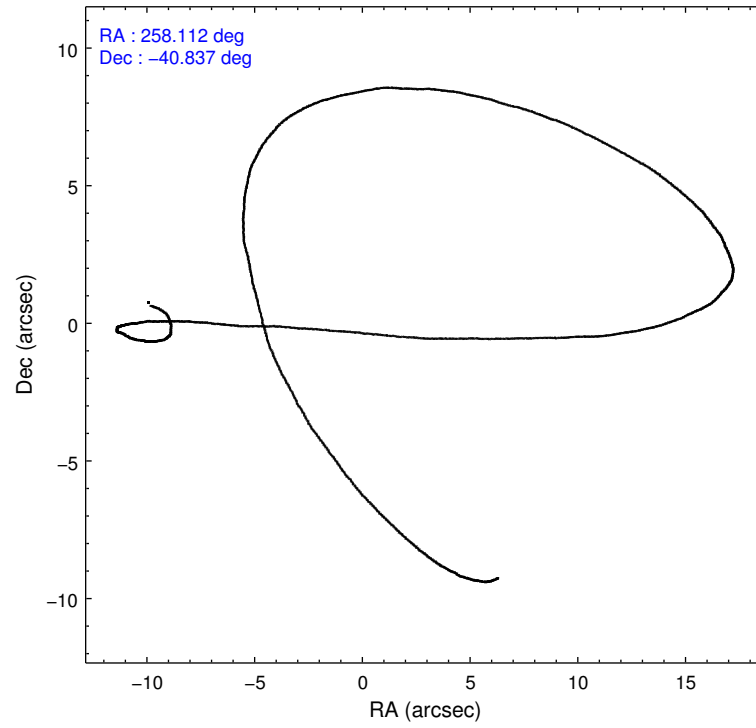
	<b>ccd 7</b>
grade 0 events	2180
	14%
grade 1 events	44
	0%
grade 2 events	2775
	18%
grade 3 events	1341
	9%
grade 4 events	1301
	8%
grade 5 events	506
	3%
grade 6 events	4507
	30%
grade 7 events	1982
	13%

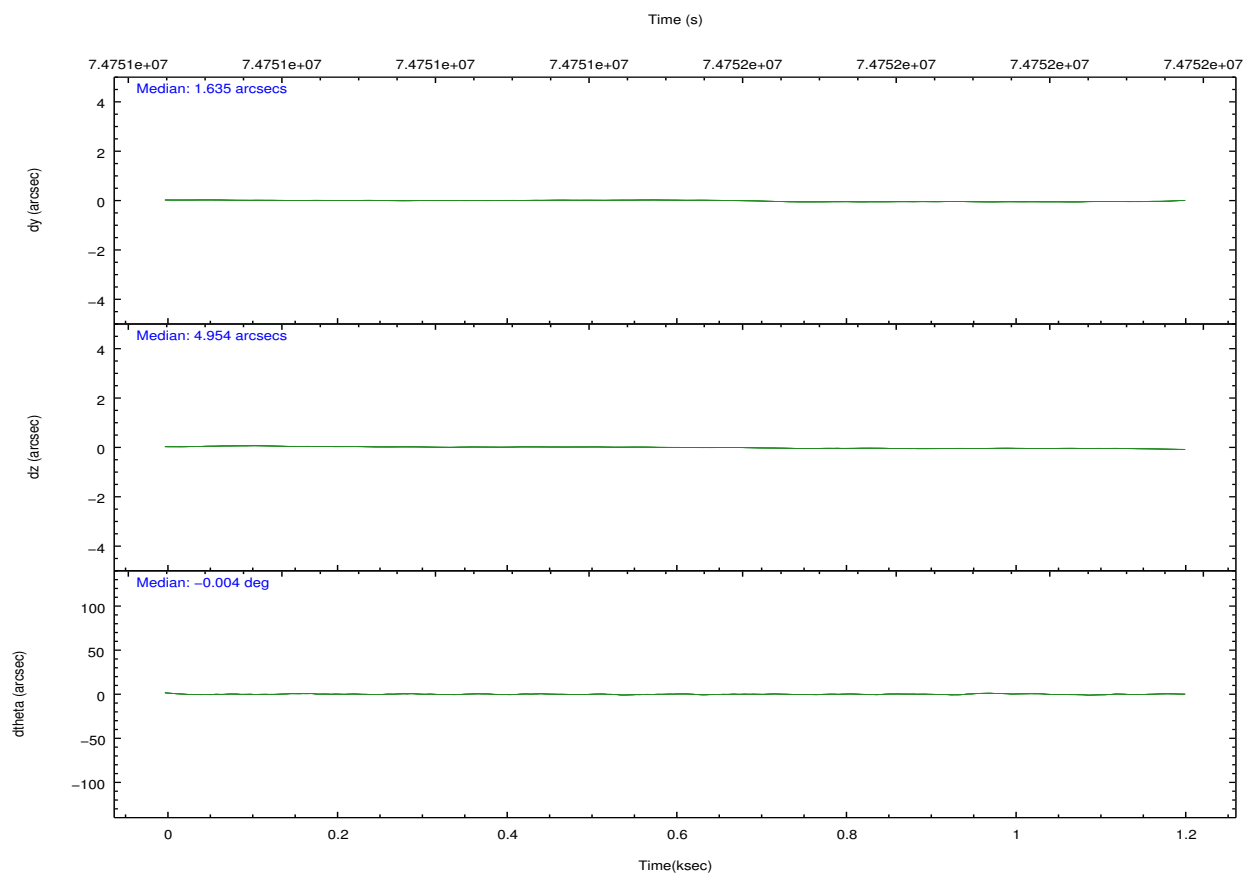
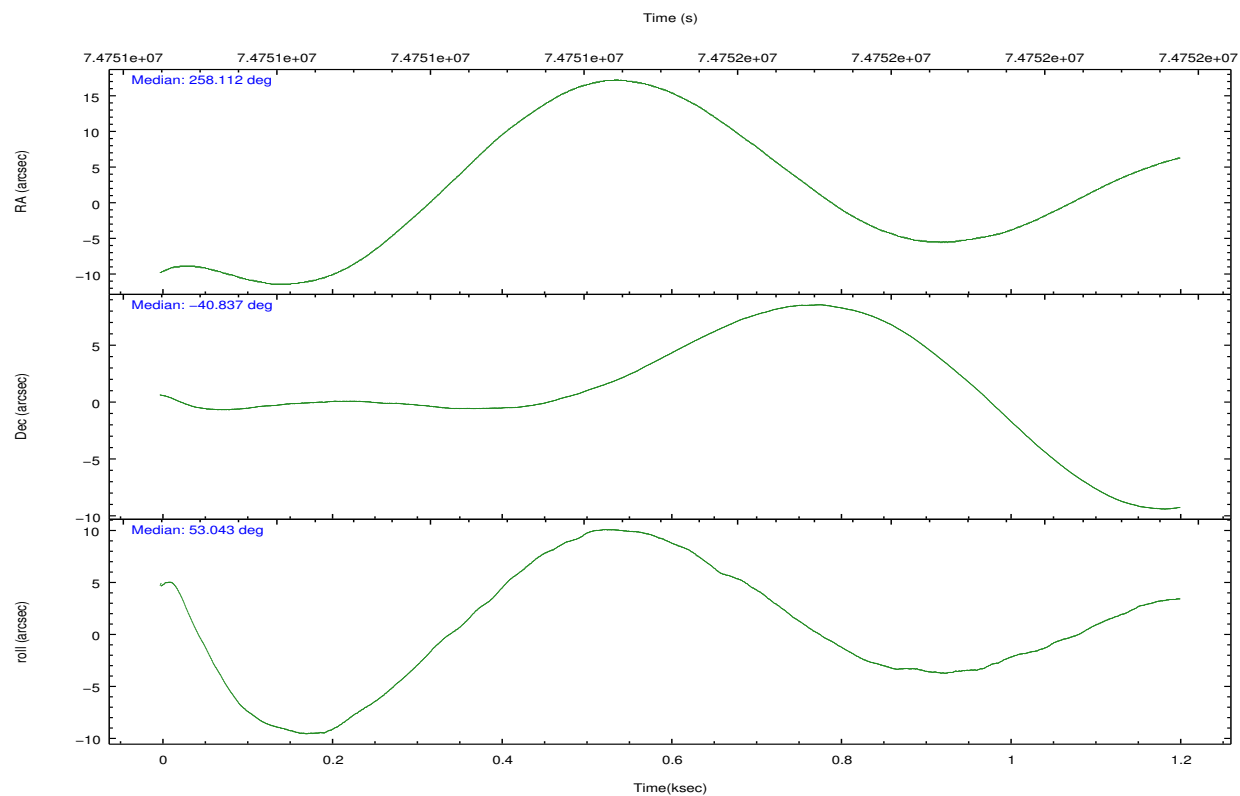
## 2.2 Compared Parameters

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	258.109234	258.1128568663472
[deg] Pointing Dec	-40.863419	-40.83625645661941
[deg] Pointing Roll	52.890911	53.05005174316327
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-182.132523	-182.1344861297048
[mm] SIM translation stage offset	-8	-7.998036453302973
[s] Observation start time (MET)	74751112.184000	74750060.165784
Observation start date	2000-05-15T04:10:48	2000-05-15T03:54:20
[s] Observation end time (MET)	74752112.184000	74752625.740879
Observation end date	2000-05-15T04:27:28	2000-05-15T04:37:05
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	1/4
Subarray start row	53	53
Subarray row count	256	256
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.8

## 2.3 Aspect





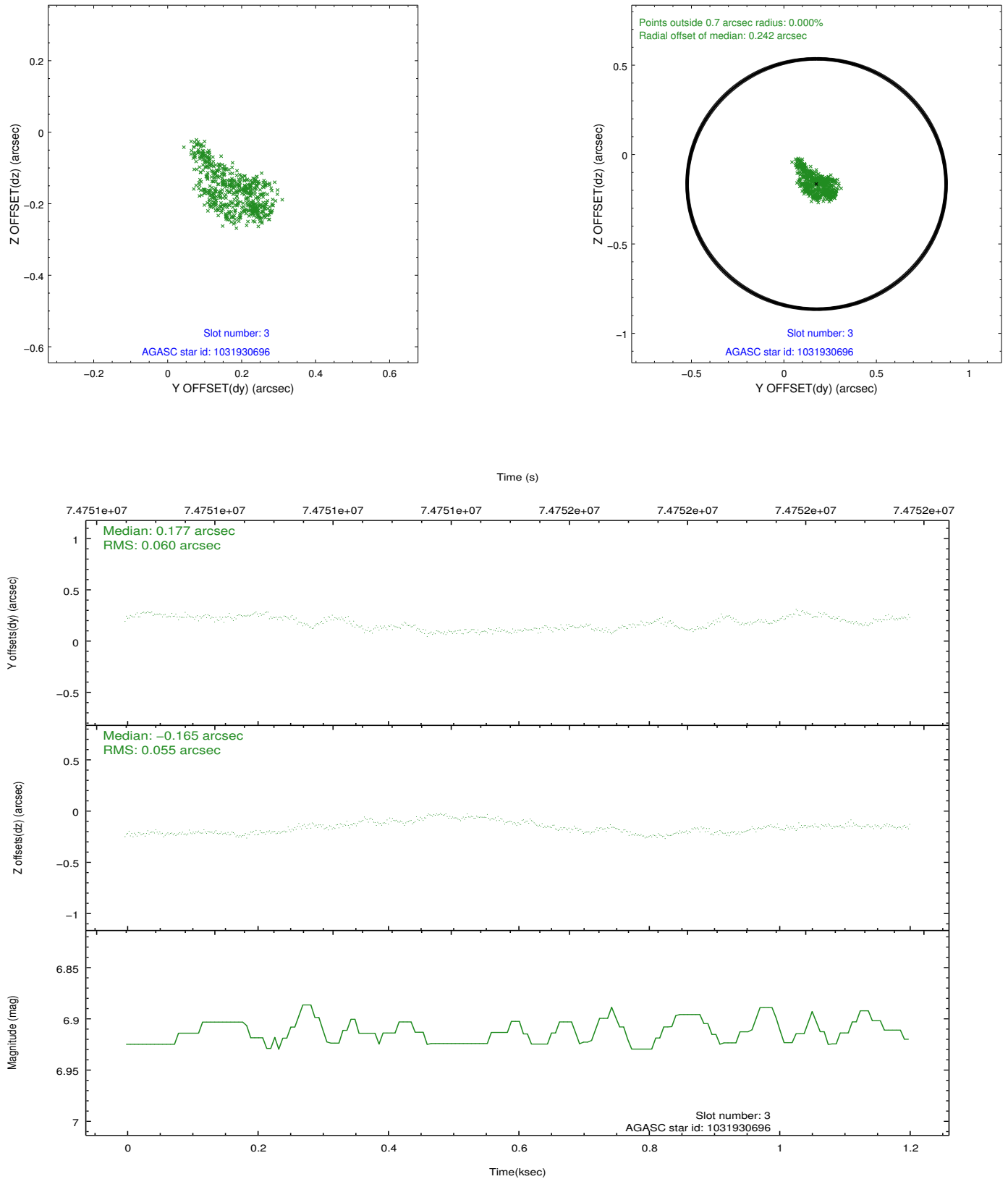
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	294	-0.068	-0.061	0.006	0.010	0.000000	0.000000	-753.73	-1890.88
1	FID	ACIS-S-4	7.19	294	0.064	0.049	0.006	0.010	0.000000	0.000000	2157.20	11.41
2	FID	ACIS-S-5	7.22	294	-0.028	0.020	0.006	0.010	0.000000	0.000000	-1799.38	11.37
3	GUIDE	1031930696	6.91	588	0.177	-0.165	0.085	0.139	257.072028	-41.024503	-2172.64	1885.56
4	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
5	GUIDE	1032069200	8.73	588	-0.104	0.271	0.080	0.125	258.953756	-41.099138	695.98	-2342.82
6	GUIDE	1032068792	8.55	586	-0.231	-0.005	0.056	0.090	258.324911	-40.288108	2012.10	772.41
7	GUIDE	1031931648	9.87	585	0.153	-0.093	0.132	0.215	257.031953	-41.012556	-2202.01	1999.33

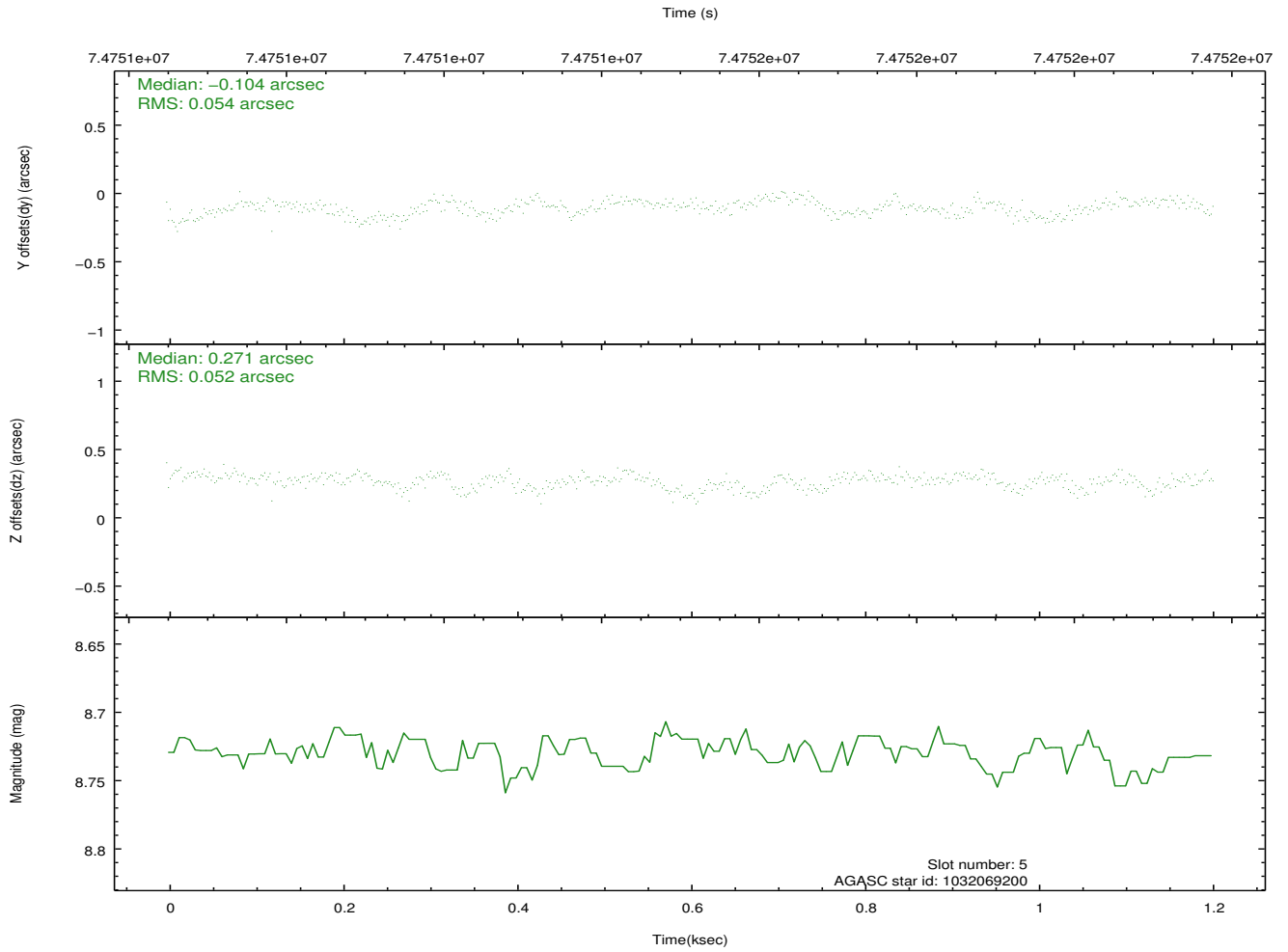
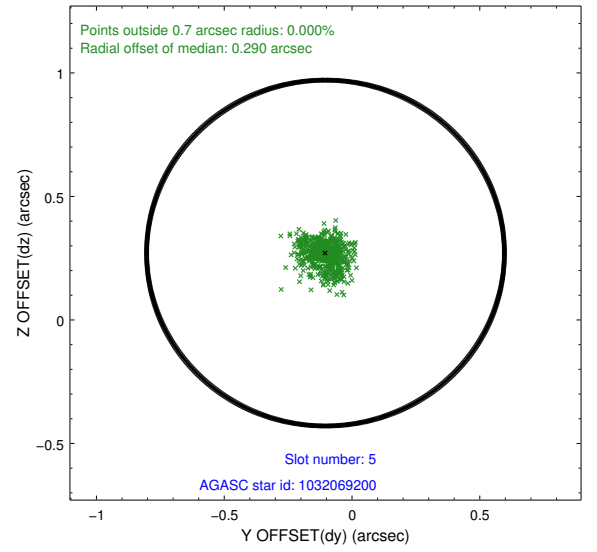
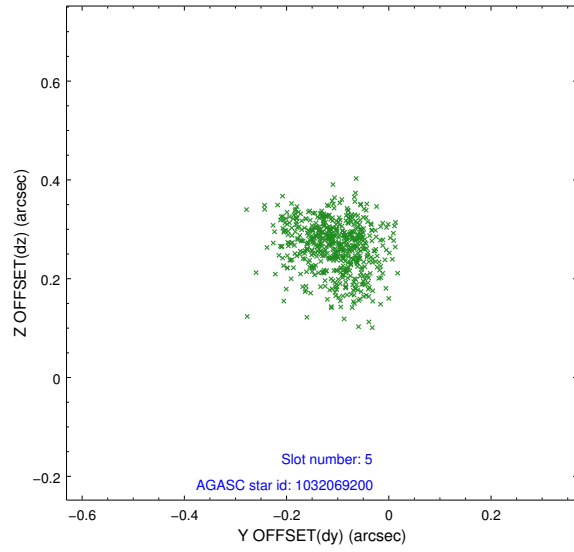


## 2.4 Star Slots

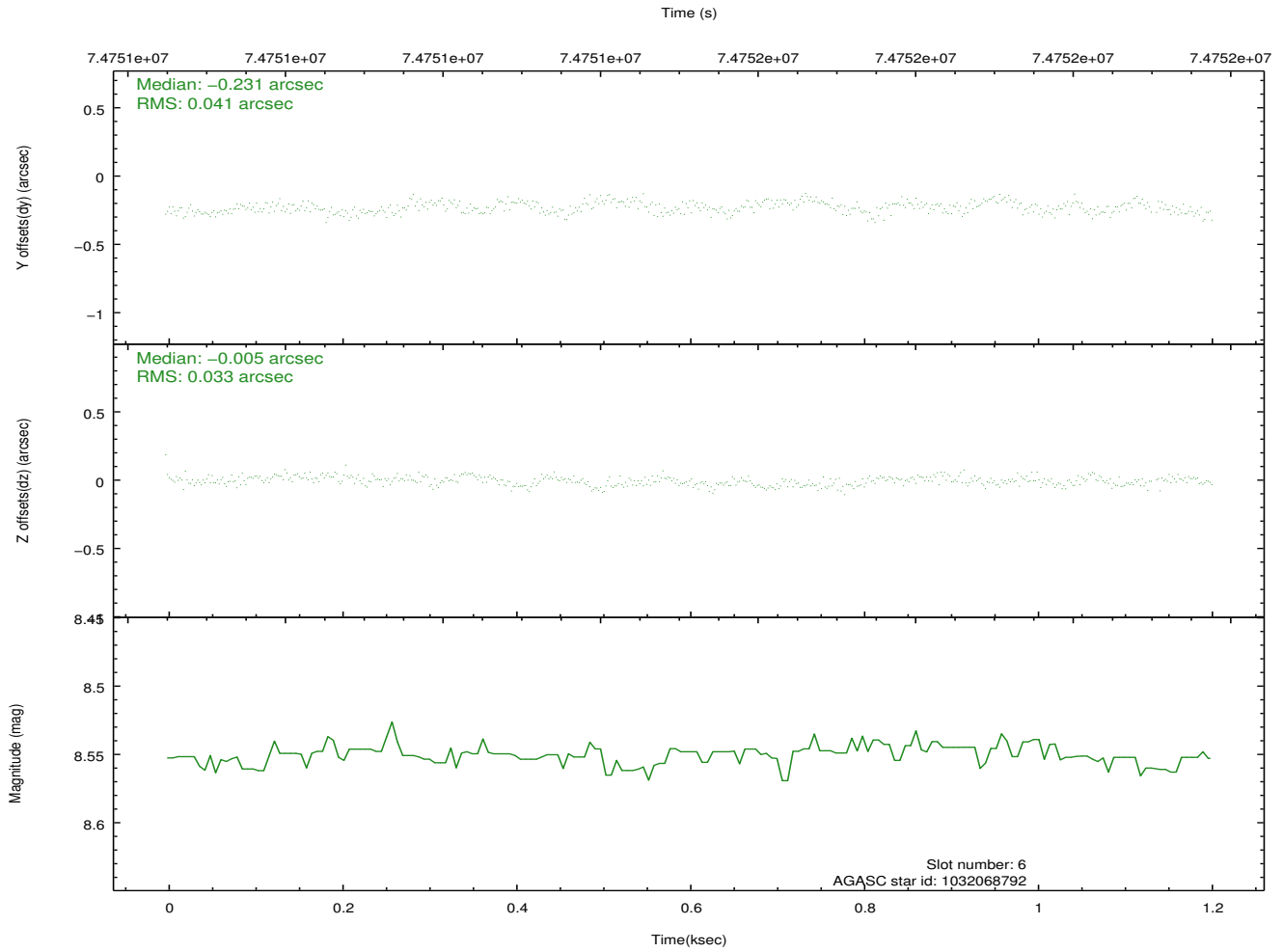
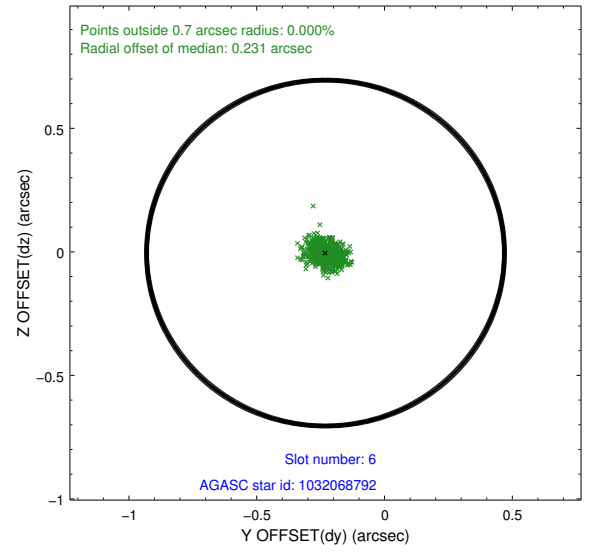
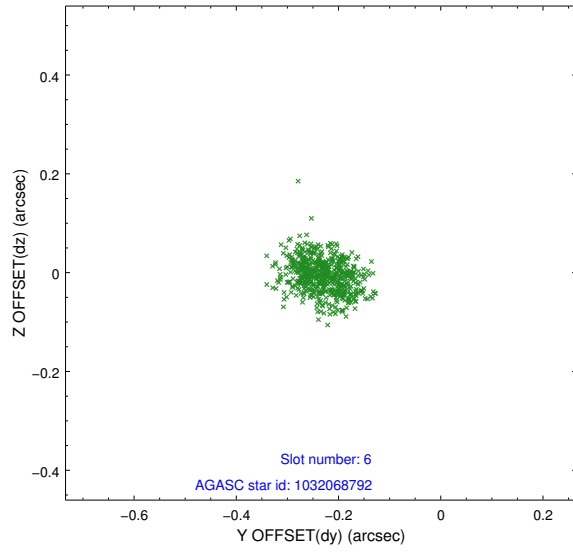
### 2.4.1 Slot 3



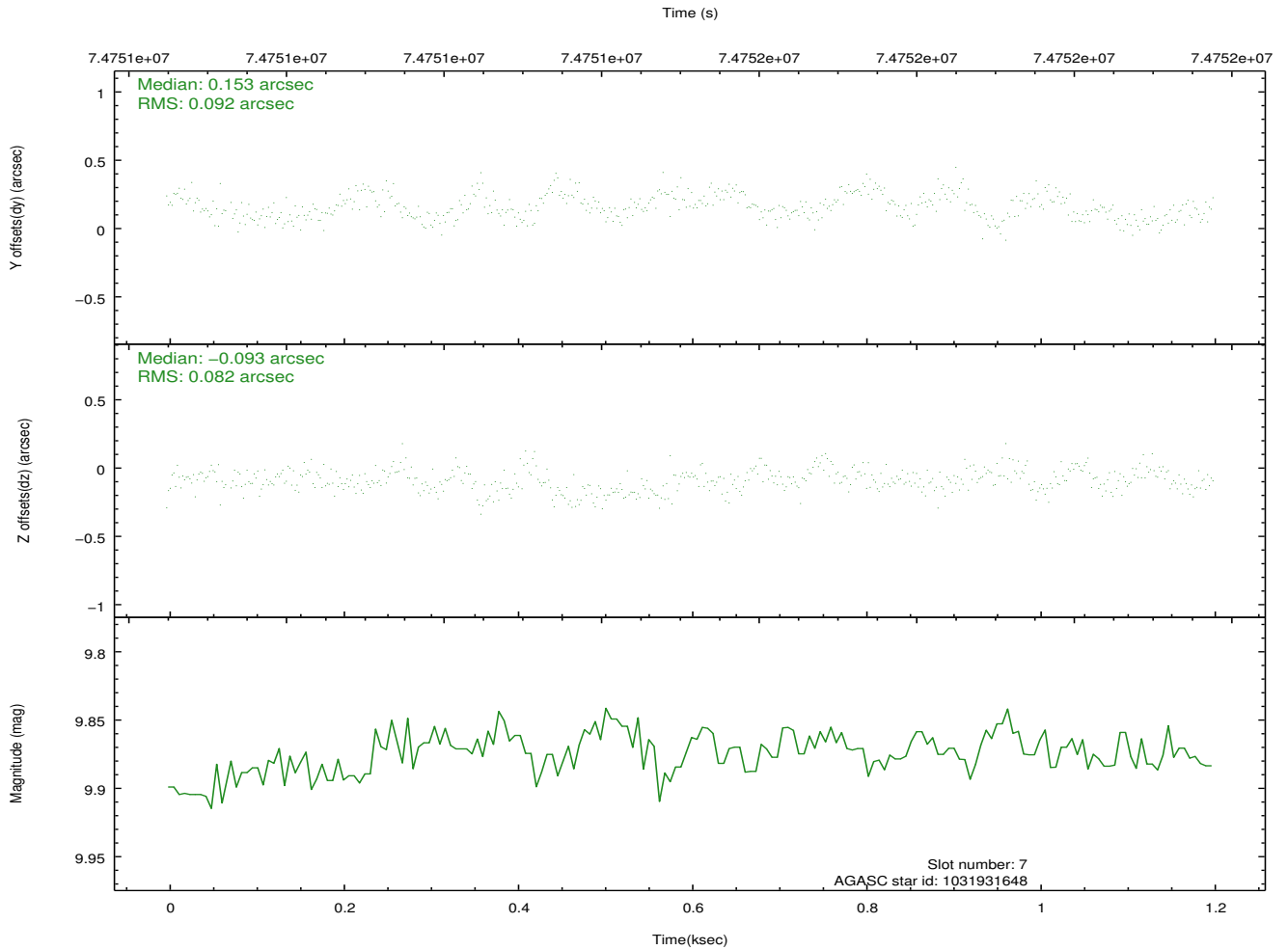
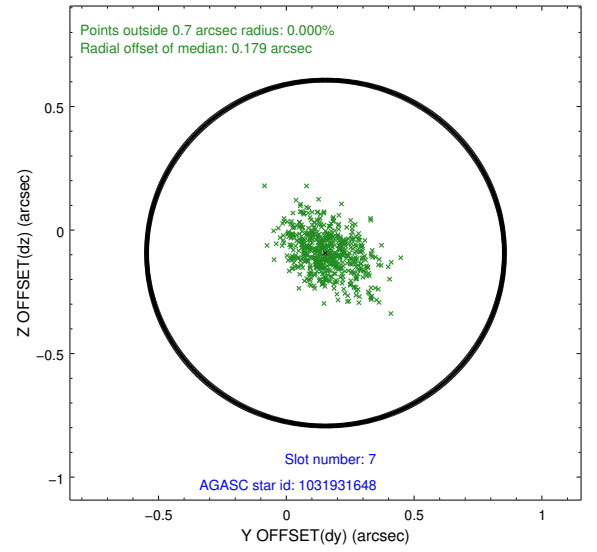
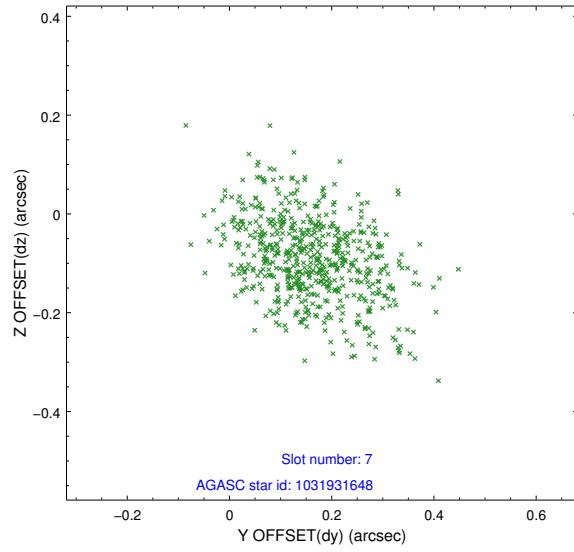
## 2.4.2 Slot 5



### 2.4.3 Slot 6

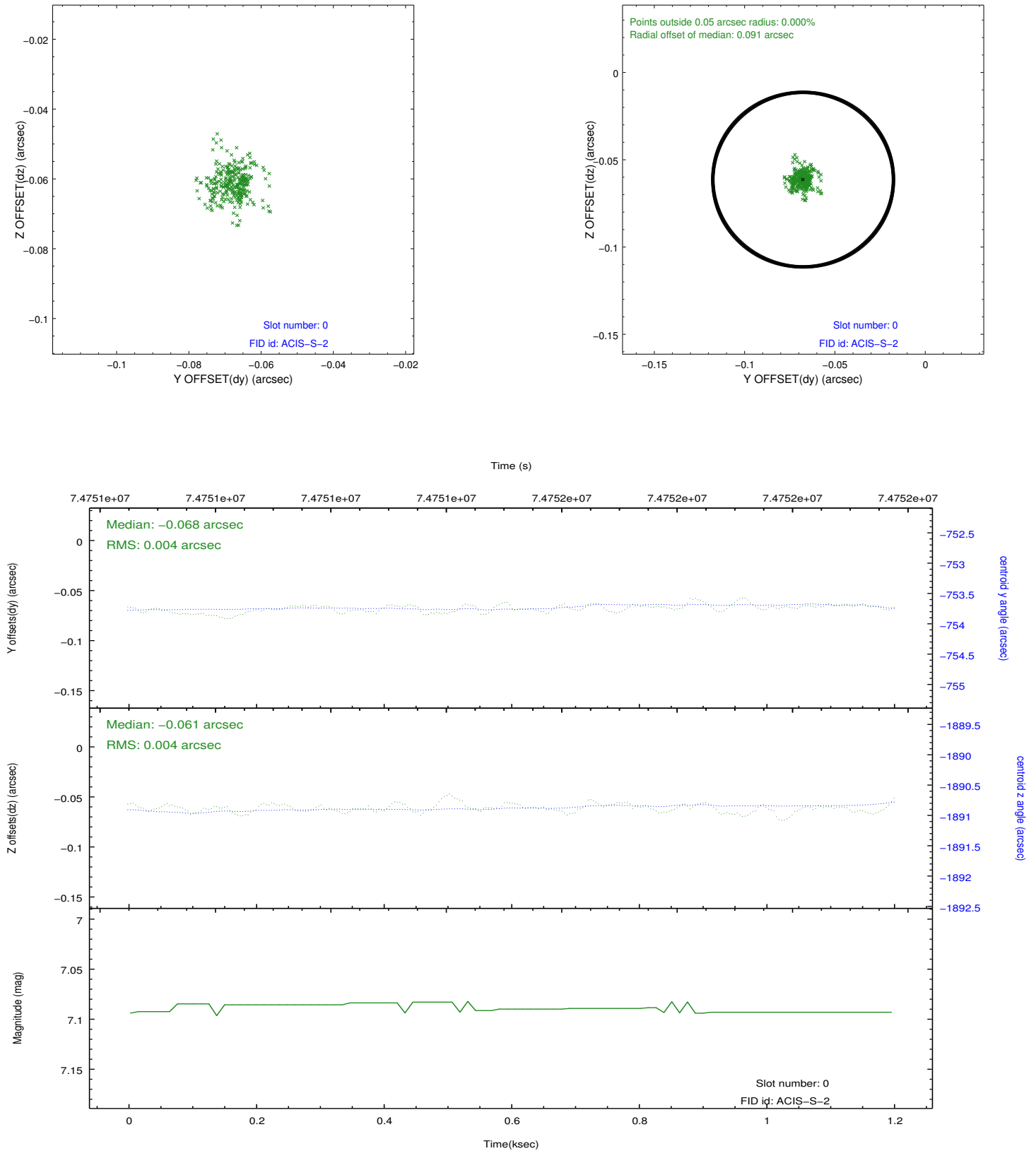


## 2.4.4 Slot 7

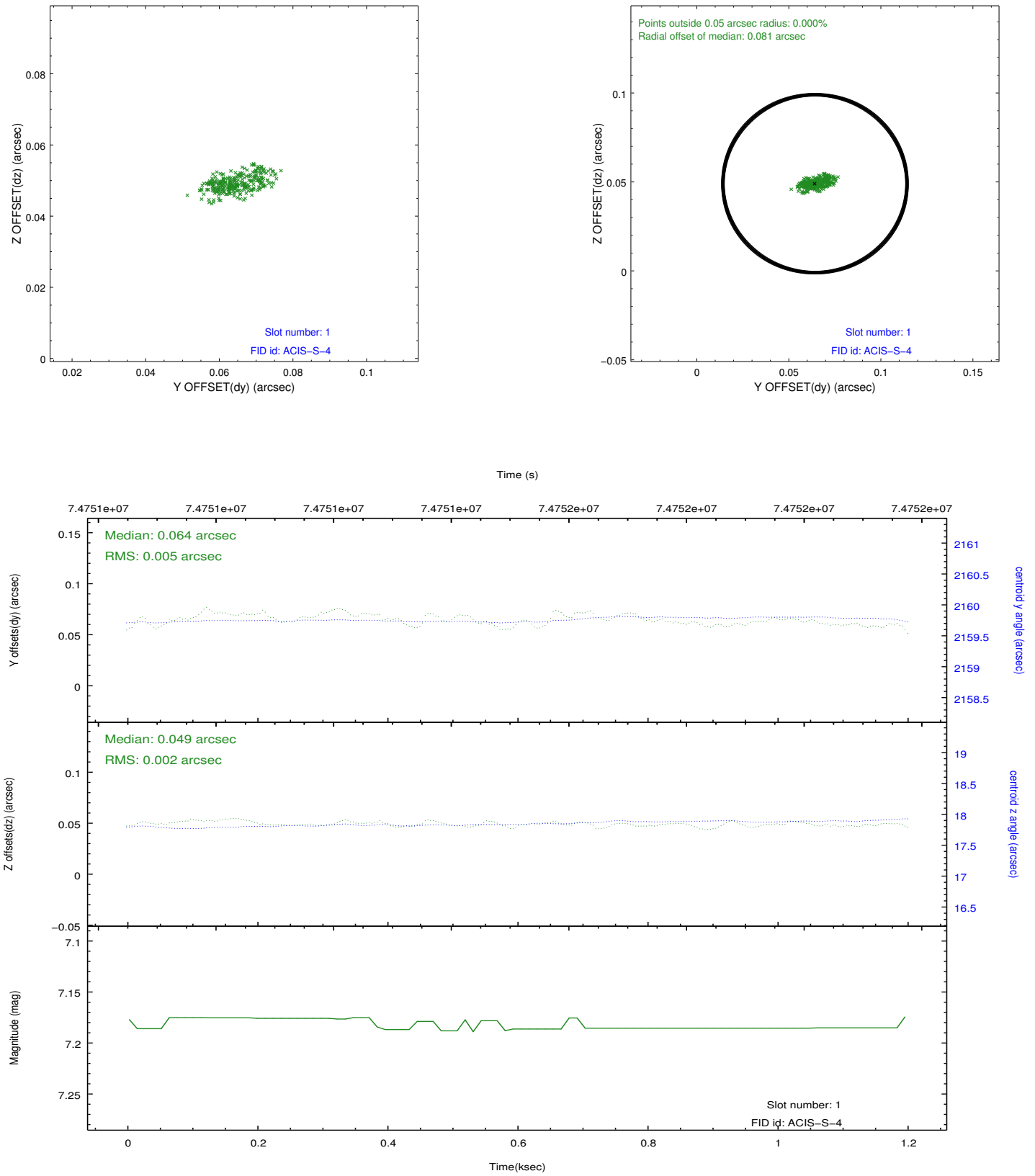


## 2.5 FID Slots

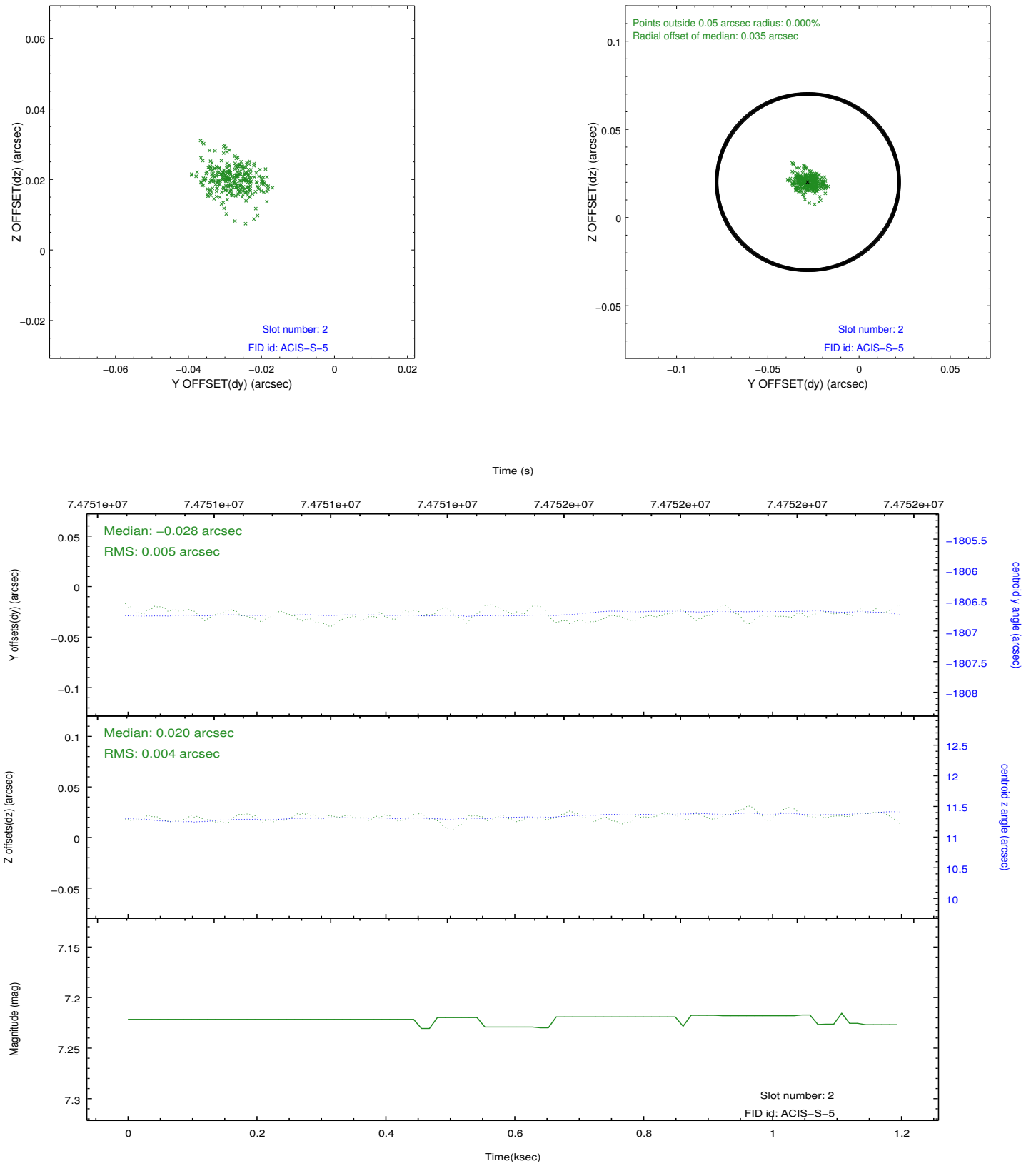
### 2.5.1 Slot 0



## 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)	2012.08.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.203

### A.2 Comments

Slot 4 was not utilized in this observation.