

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13272 - L2 Version 1  
Chandra X-Ray Center

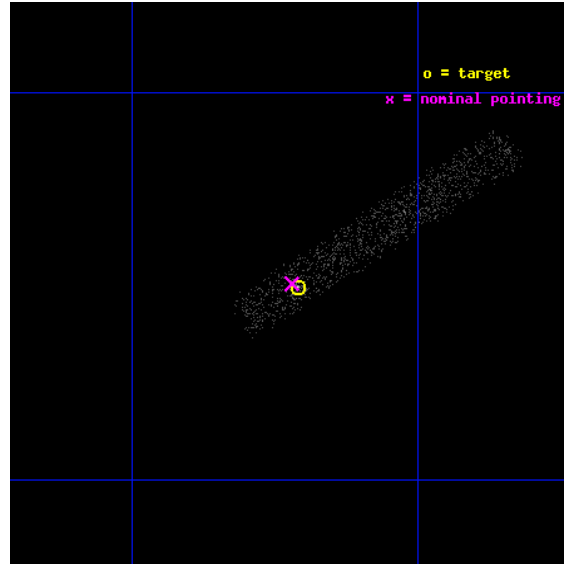
L2 Processing Date : Jan 2 2012

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# 1 Front

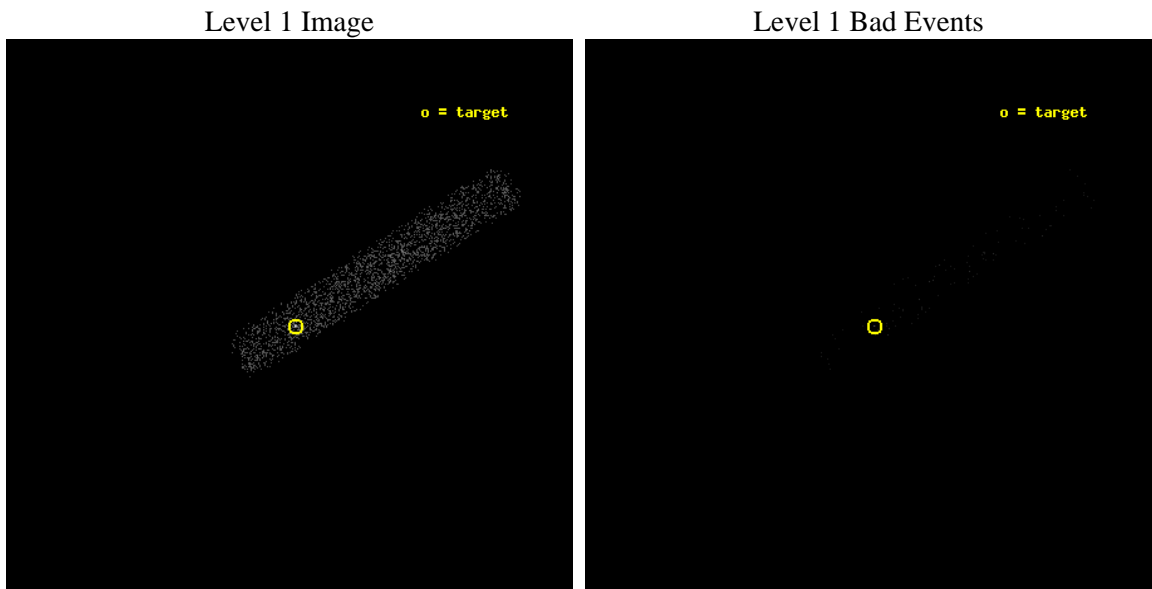
seq_num	200742	Sequence number
obs_id	13272	Observation id
title	A Search for X-ray Emission from Colliding Magnetospheres in Young Eccentric Stellar Binaries (GTO part)	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	Parenago523_P1	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	82.6775	Observer's specified target RA [deg]
dec_targ	-4.583861	Observer's specified target Dec [deg]
ra_nom	82.680332763754	Nominal RA [deg]
dec_nom	-4.5825339672848	Nominal Dec [deg]
roll_nom	327.36836699564	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3009.0961247683	Sum of GTIs [s]
livetime	2729.0913520481	Livetime [s]
ontime7	3009.0961247683	Sum of GTIs [s]
l2events	2055	Number of level 2 events



## 2 OBI

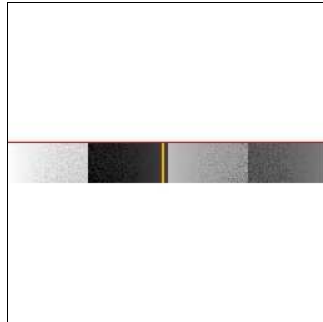
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	3009.0961247683	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime7	3009.0961247683	Sum of GTIs [s]
date	2012-01-02T06:27:28	Date and time of file creation	l1events	3283	Number of level 1 events
revision	1	Processing version of data			

### 2.1.4 Events

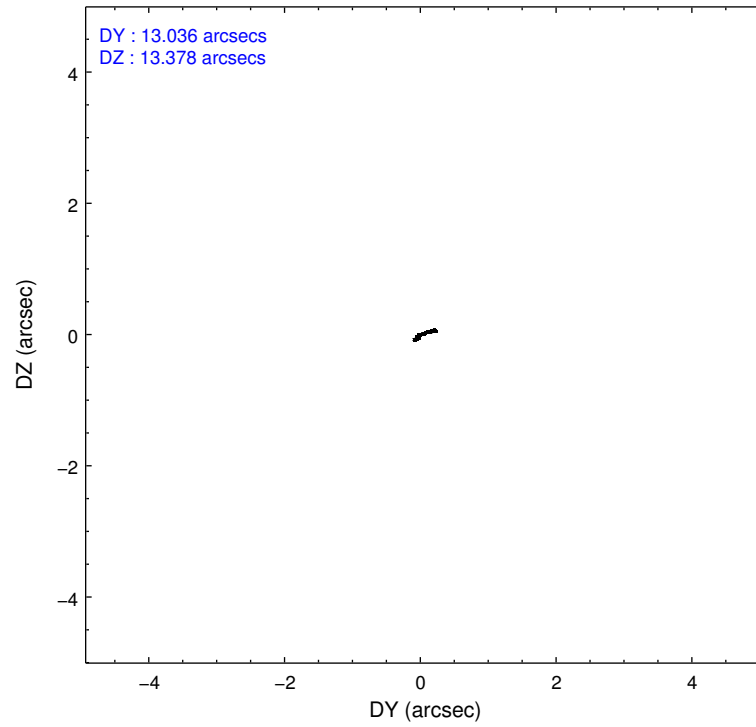
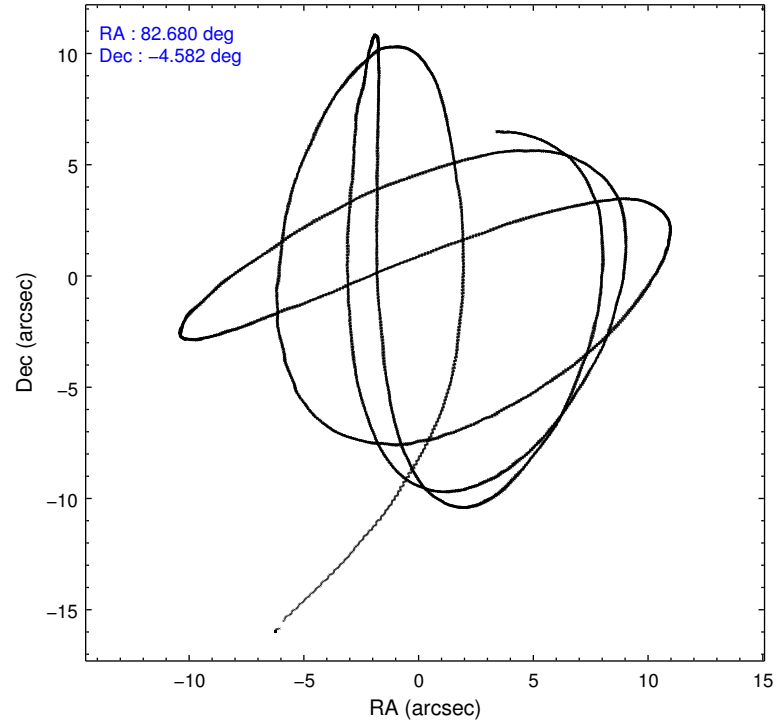
	<b>ccd 7</b>
level 1 events	3283
rejected events	1148
rejected %	34%

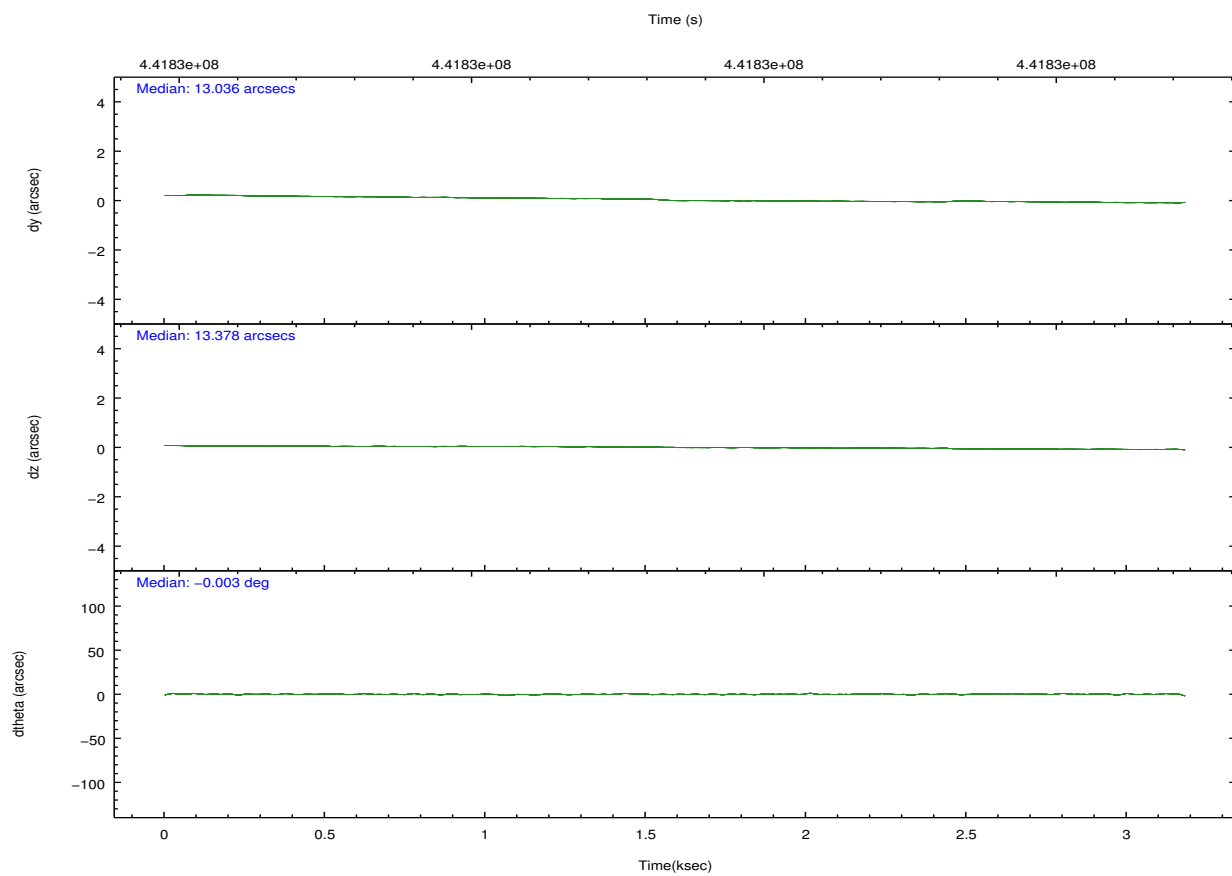
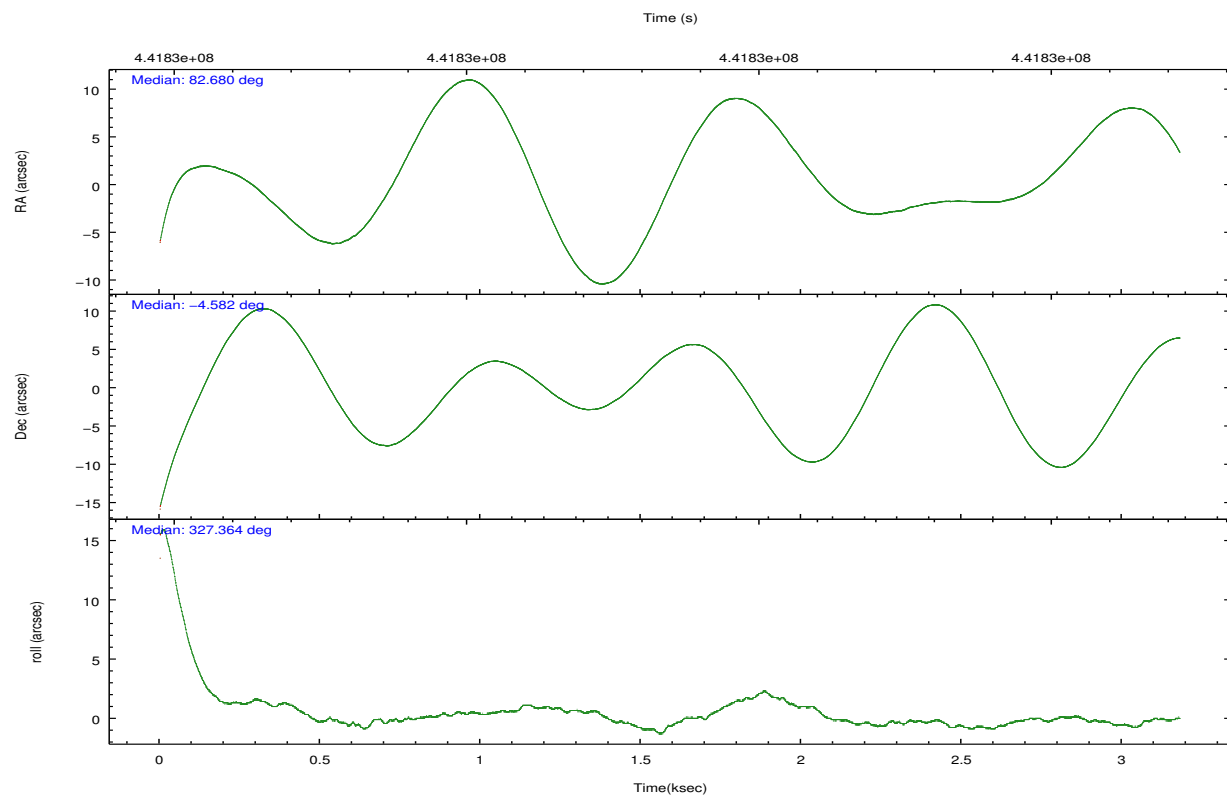
	<b>ccd 7</b>
grade 0 events	361
	10%
grade 1 events	5
	0%
grade 2 events	497
	15%
grade 3 events	275
	8%
grade 4 events	288
	8%
grade 5 events	254
	7%
grade 6 events	714
	21%
grade 7 events	889
	27%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	82.652835	82.68033276375415	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-4.581699	-4.582533967284756	Subarray start row	449	449
[deg] Pointing Roll	327.209499	327.3683669956358	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	441826296.184000	441824600.87407			
Observation start date	2012-01-01T17:30:30	2012-01-01T17:03:20			
[s] Observation end time (MET)	441829296.184000	441829887.82435			
Observation end date	2012-01-01T18:20:30	2012-01-01T18:31:27			
Read mode	TIMED	TIMED			

## 2.3 Aspect





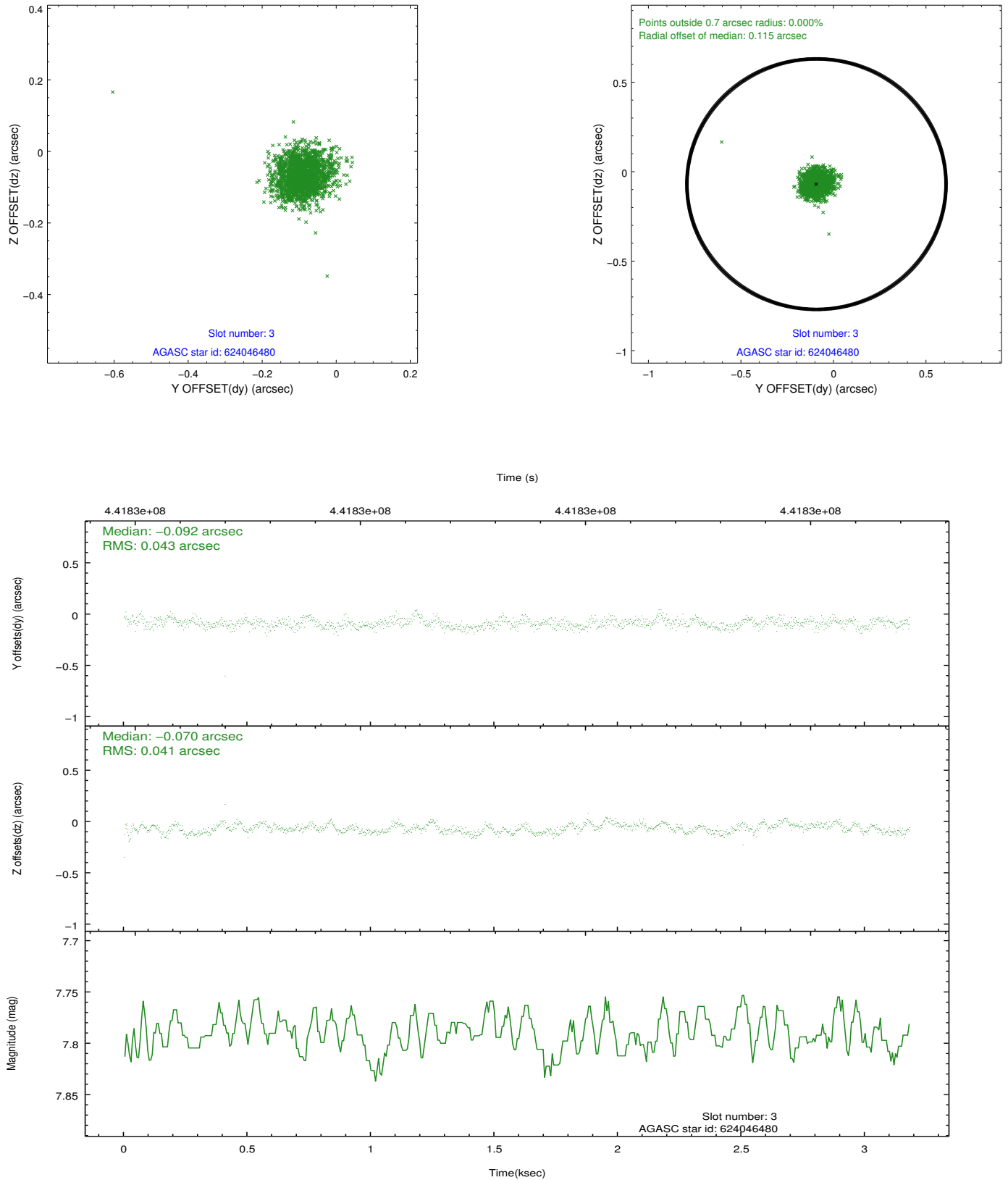
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.99	776	-0.039	-0.049	0.008	0.013	0.000000	0.000000	-766.06	-1734.70
1	FID	ACIS-S-4	7.08	776	0.193	0.032	0.010	0.017	0.000000	0.000000	2146.56	171.75
2	FID	ACIS-S-5	7.12	776	-0.186	0.026	0.008	0.013	0.000000	0.000000	-1816.46	167.75
3	GUIDE	624046480	7.79	1551	-0.092	-0.070	0.062	0.098	82.138440	-4.697024	-1326.11	-1349.38
4	GUIDE	625738272	7.45	1552	-0.153	-0.302	0.070	0.109	83.057652	-4.171284	421.04	2027.65
5	GUIDE	625742224	8.22	1551	0.371	0.378	0.081	0.129	82.776469	-4.806736	812.51	-439.26
6	GUIDE	625745120	8.05	1551	0.008	-0.167	0.064	0.101	83.237850	-4.566478	1736.34	1181.88
7	GUIDE	624034448	8.33	1551	-0.137	0.154	0.073	0.115	82.155578	-4.175293	-2291.73	263.18

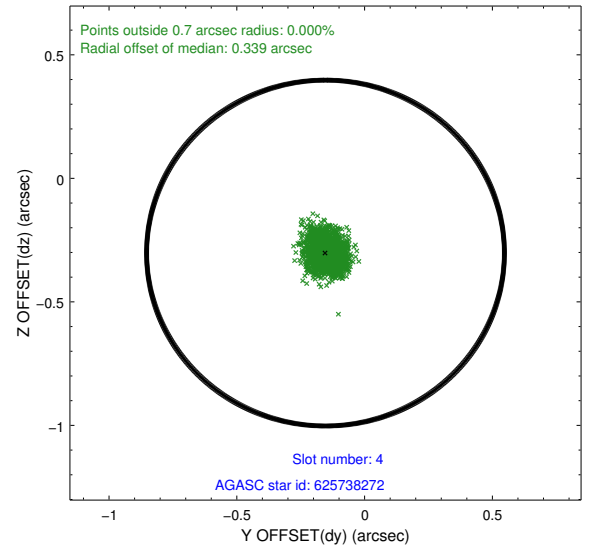
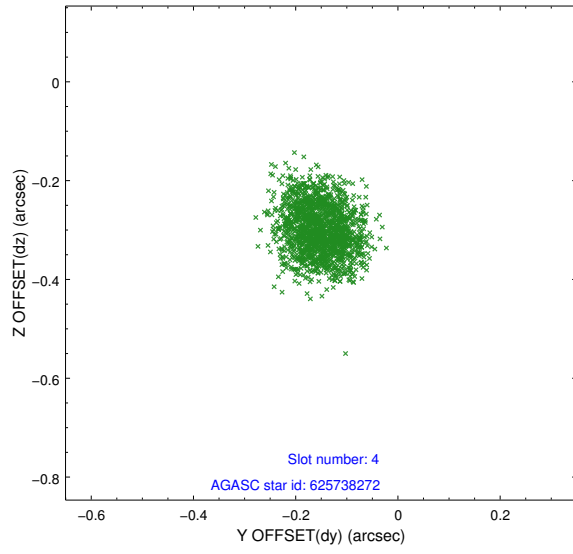


## 2.4 Star Slots

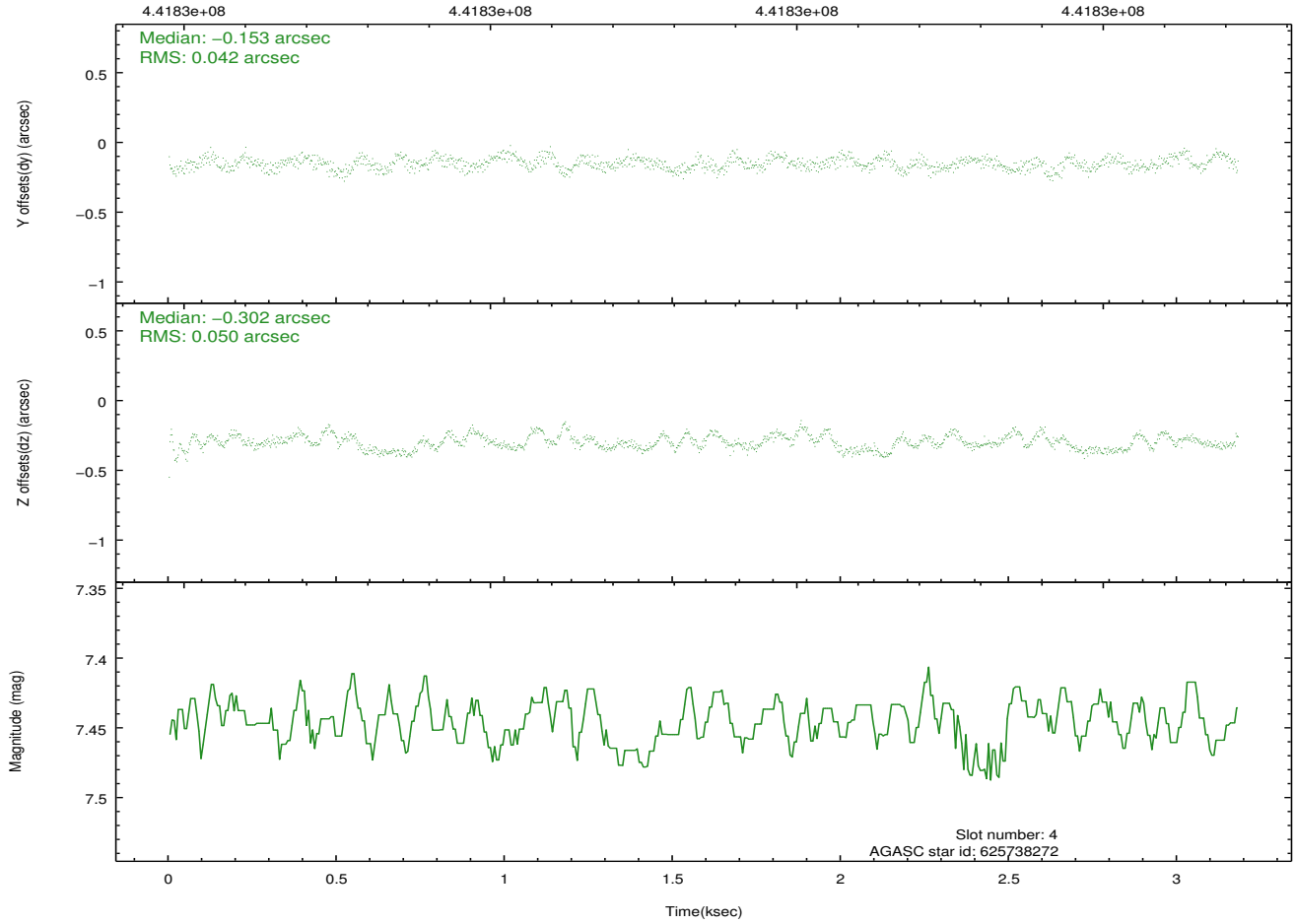
### 2.4.1 Slot 3



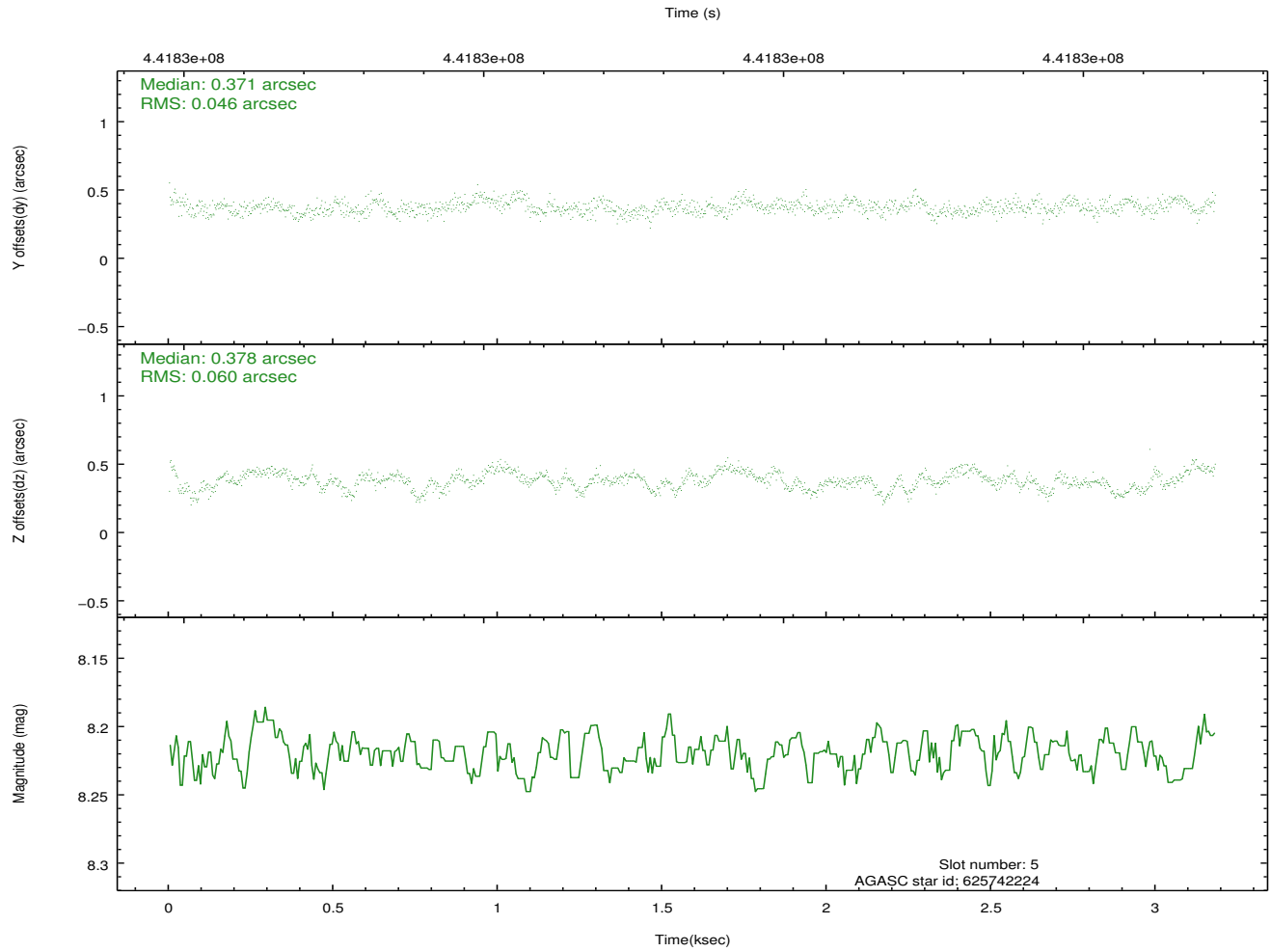
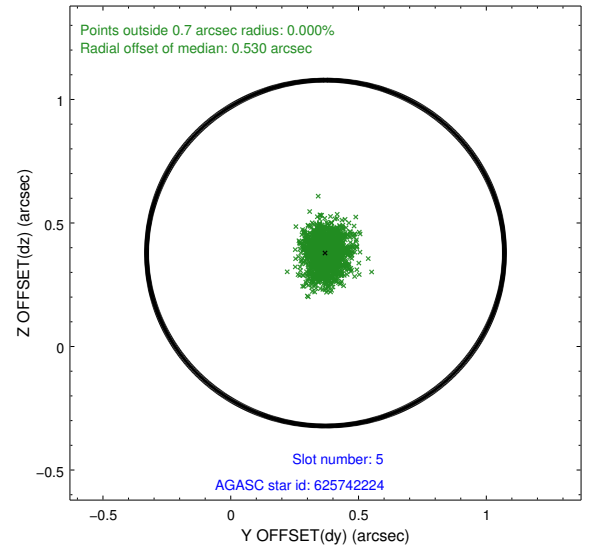
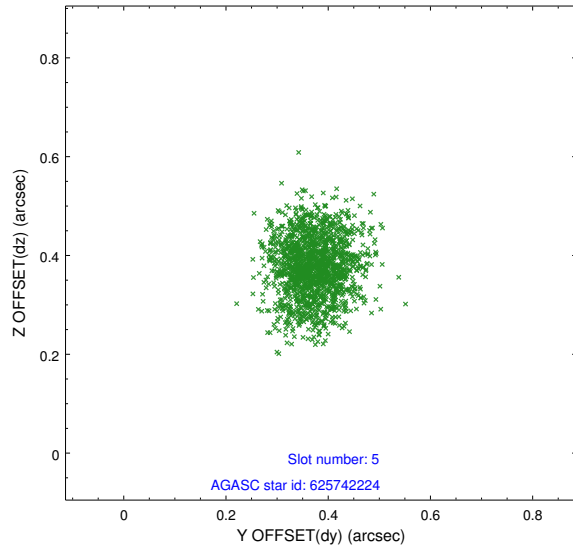
## 2.4.2 Slot 4



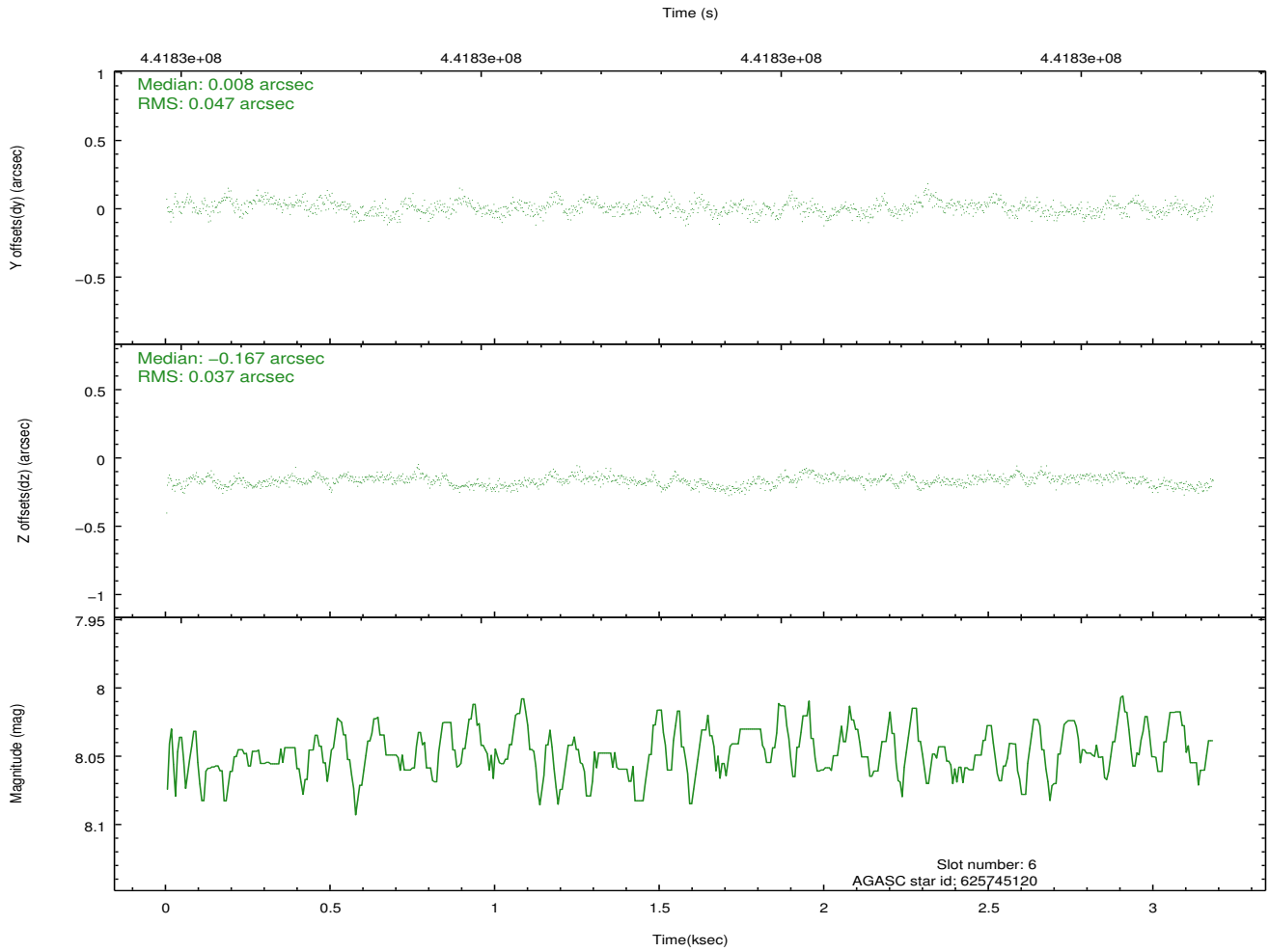
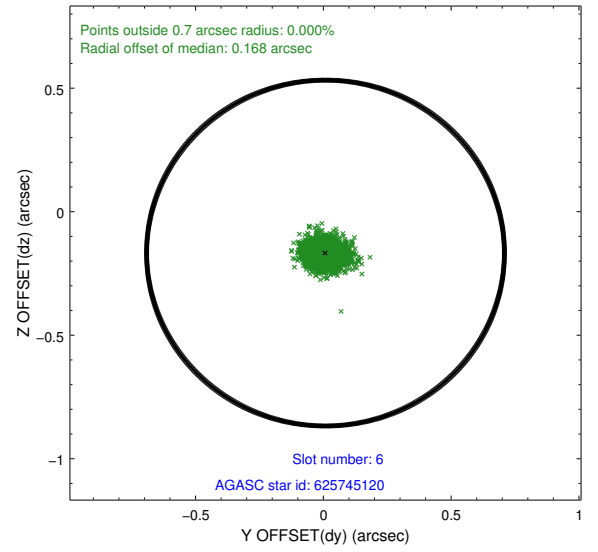
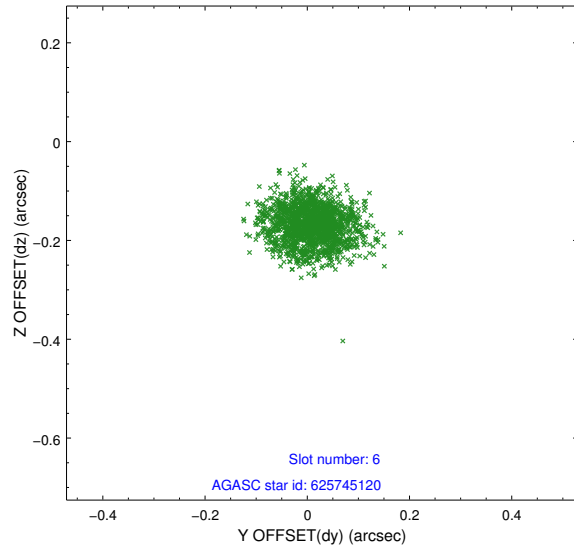
Time (s)



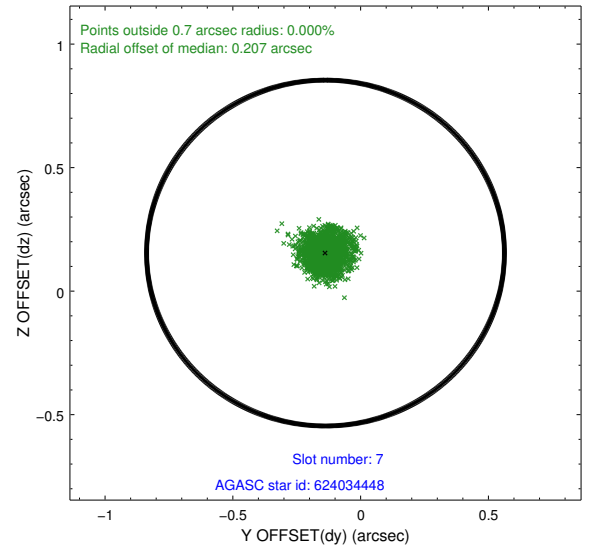
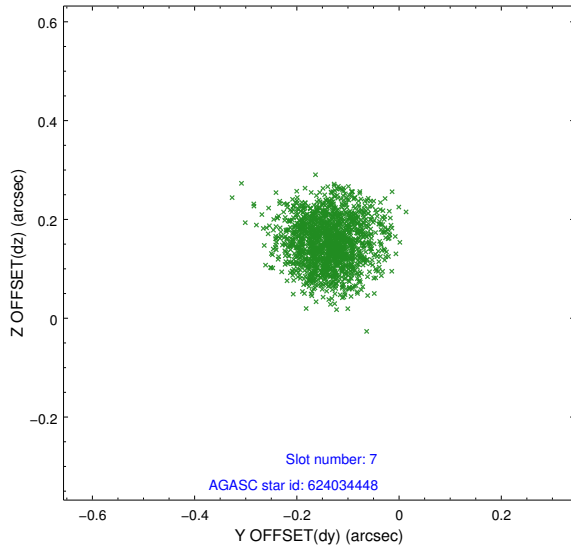
### 2.4.3 Slot 5



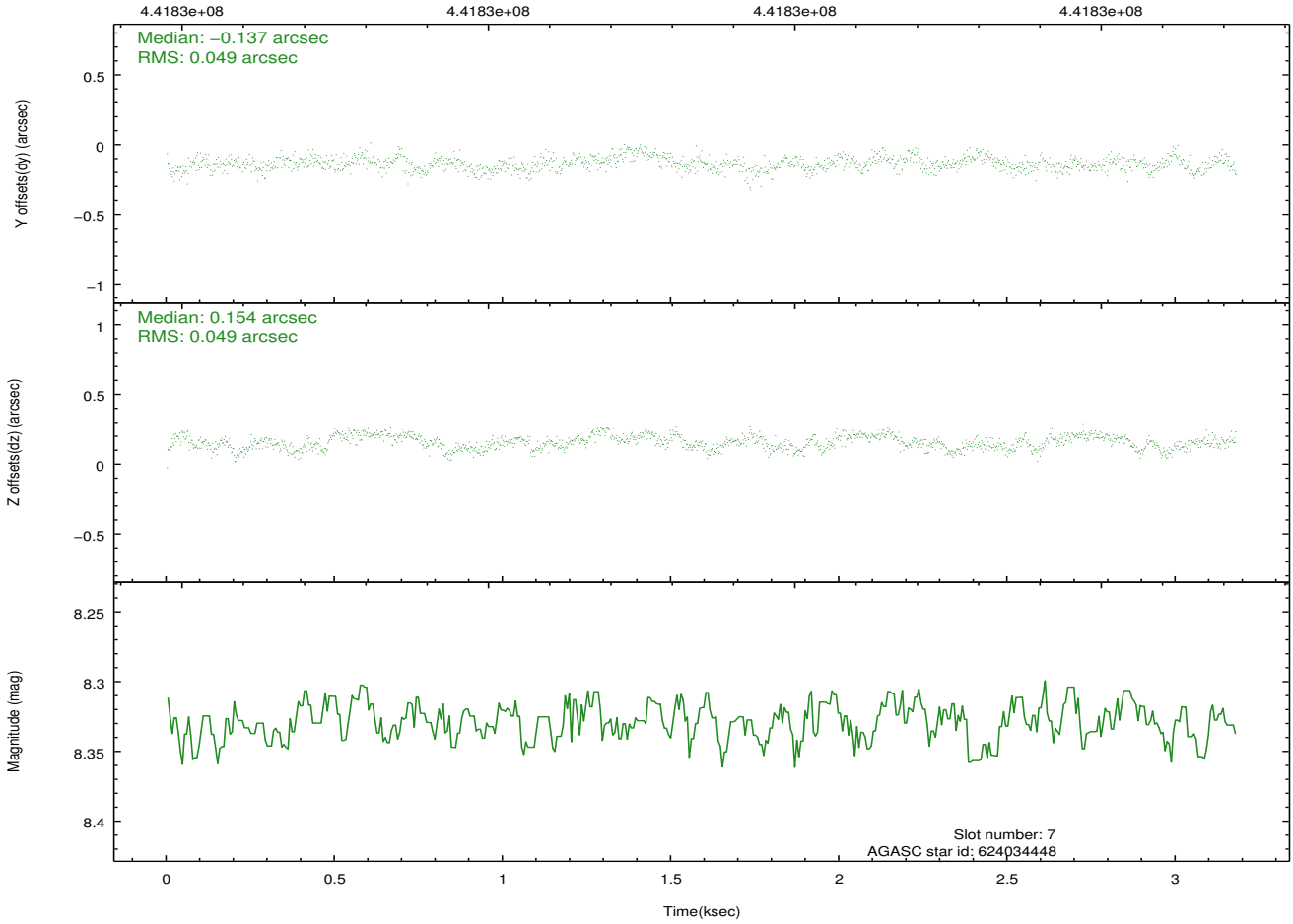
## 2.4.4 Slot 6



### 2.4.5 Slot 7

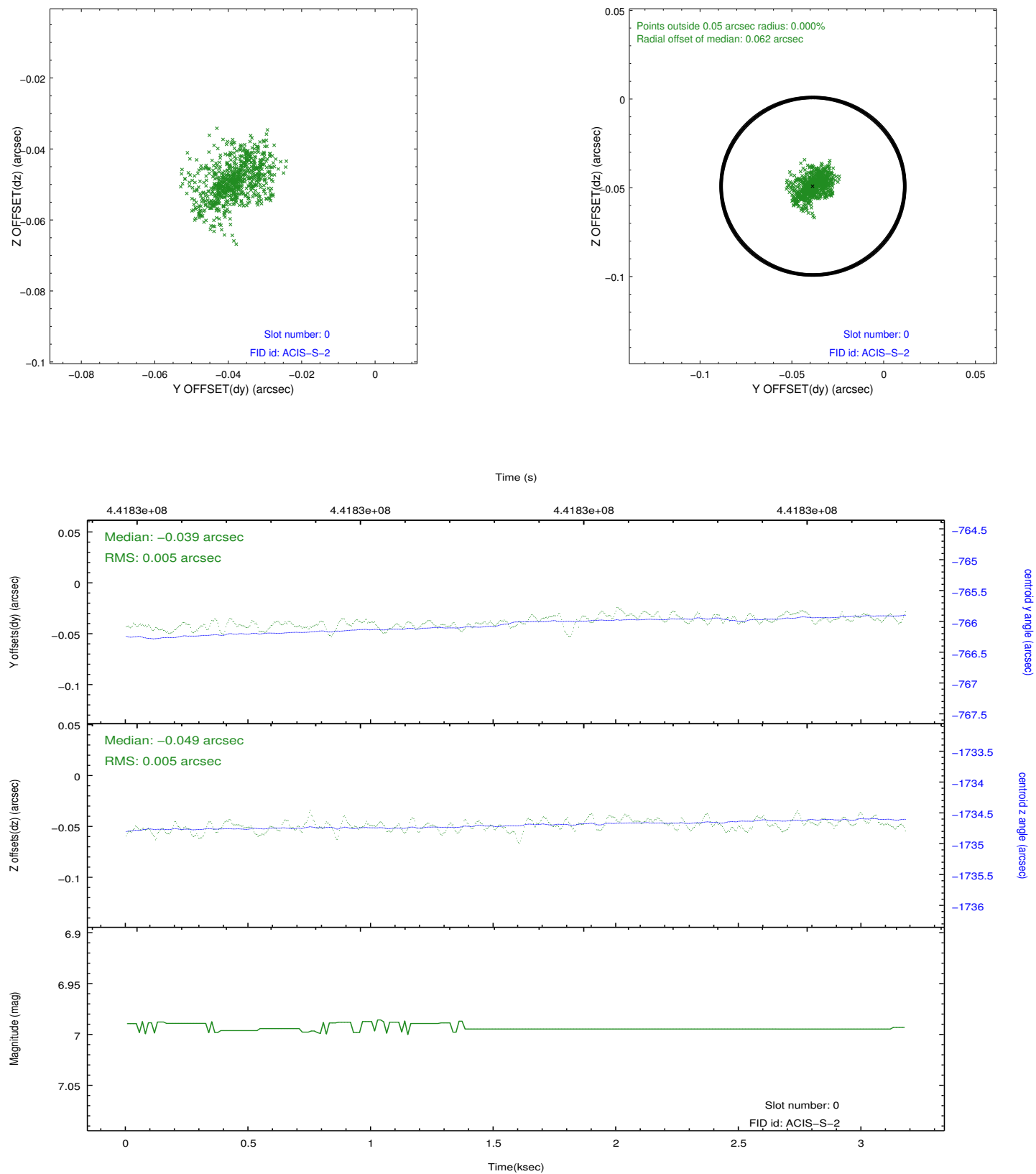


Time (s)

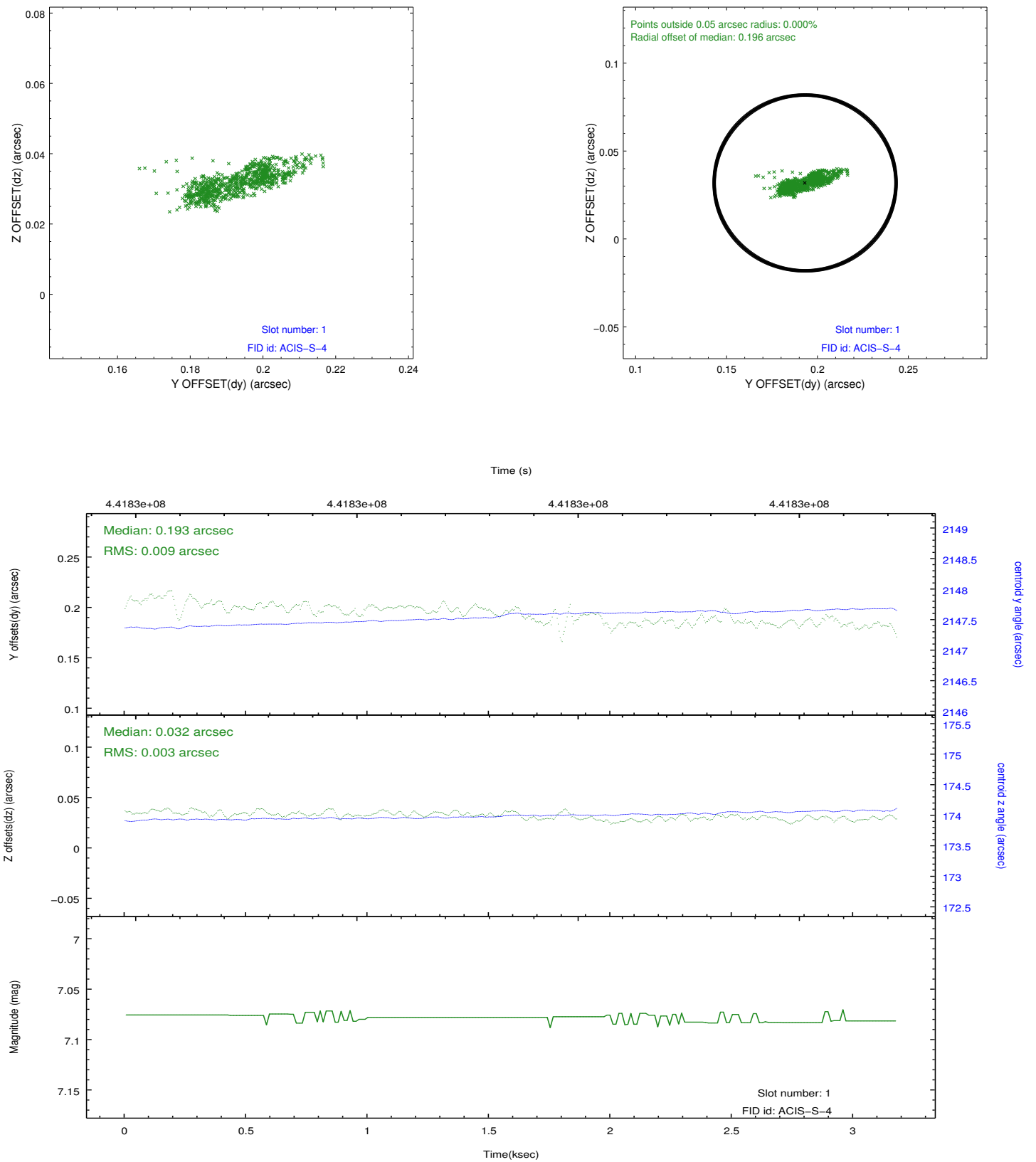


## 2.5 FID Slots

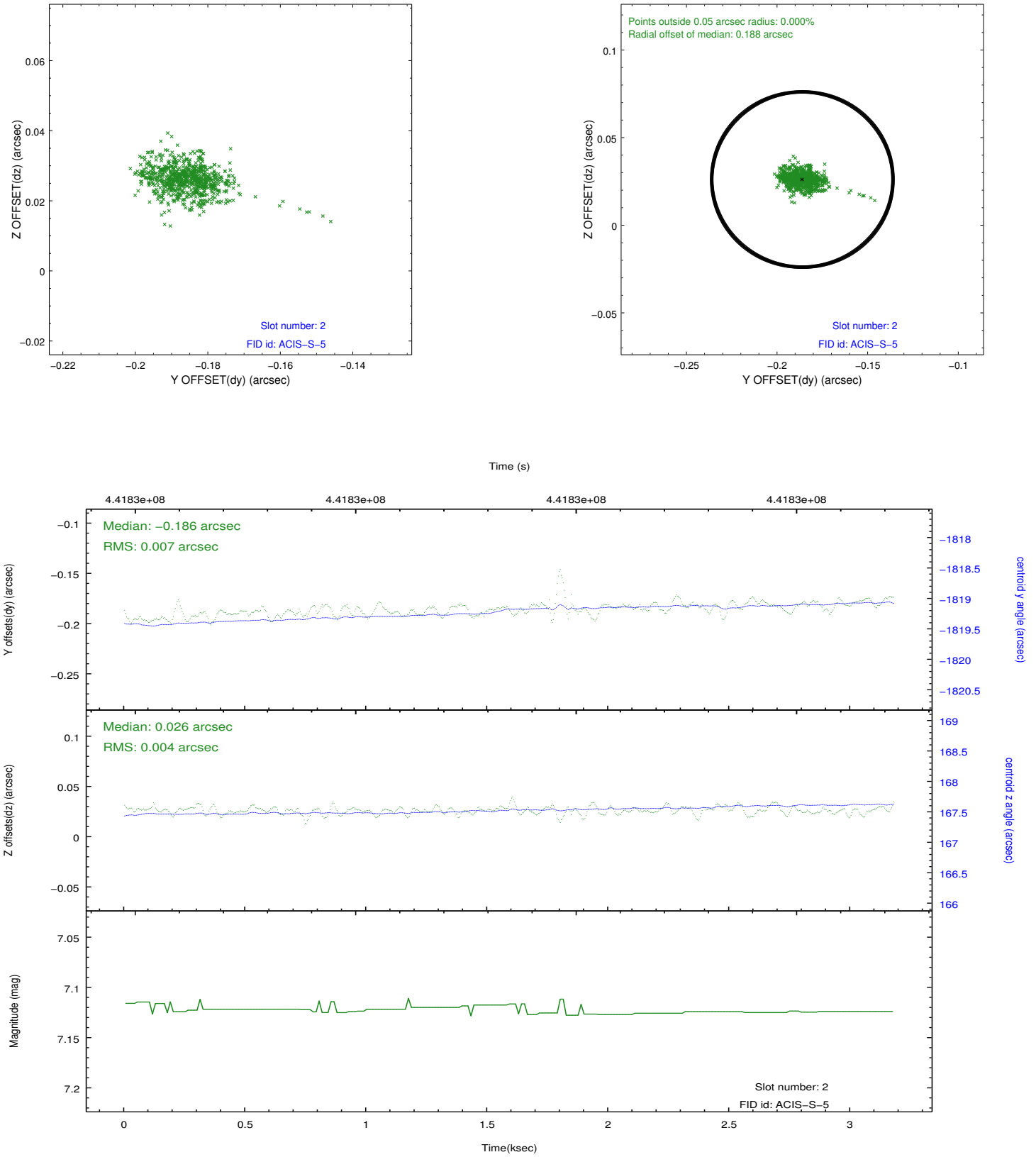
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.01.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.0090961247683

### A.2 Comments