

# V&V Reference Report

## L2 ASCDS Version : 10.2.4

Observation 15992 - L2 Version 1  
Chandra X-Ray Center

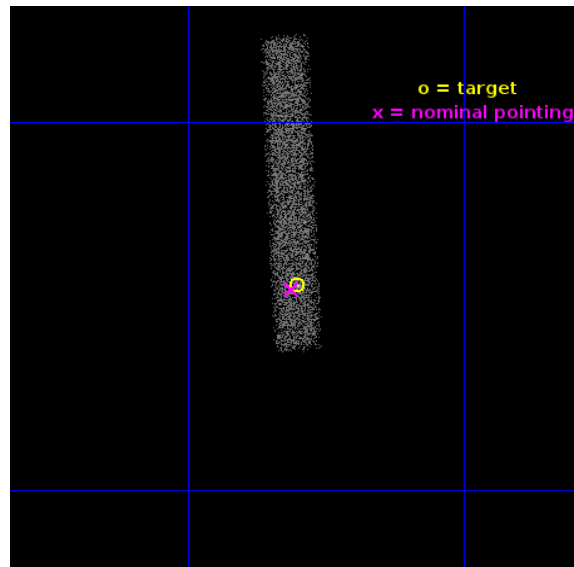
L2 Processing Date : Aug 25 2014

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# 1 Front

seq_num	502225	Sequence number
obs_id	15992	Observation id
title	What is the Magnetic Field of Magnetar Swift J1822.3-1606?	Proposa
observer	Professor Victoria Kaspi	Principal investigator
object	Swift J1822.3-1606	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	275.575417	Observer's specified target RA [deg]
dec_targ	-16.07375	Observer's specified target Dec [deg]
ra_nom	275.57806727382	Nominal RA [deg]
dec_nom	-16.075584943421	Nominal Dec [deg]
roll_nom	267.54763328676	Nominal Roll [deg]
revision	1	Processing version of data
ontime	18068.798923016	Sum of GTIs [s]
livetime	16387.446873767	Livetime [s]
ontime7	18068.798923016	Sum of GTIs [s]
l2events	8615	Number of level 2 events

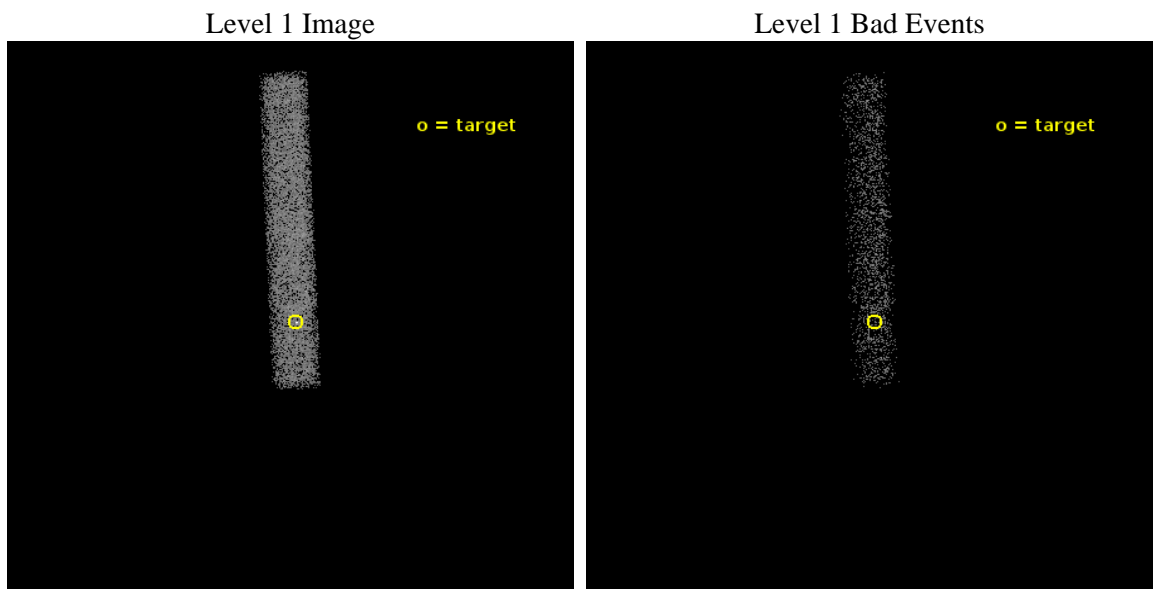




## 2 OBI

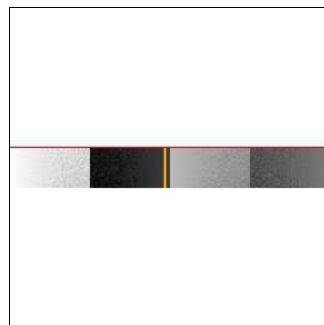
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	18000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	18068.798923016	Sum of GTIs [s]
caldsver	4.6.2	&#160	ontime7	18068.798923016	Sum of GTIs [s]
date	2014-08-25T15:14:07	Date and time of file creation	l1events	17747	Number of level 1 events
revision	1	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	17747
rejected events	8747
rejected %	49%

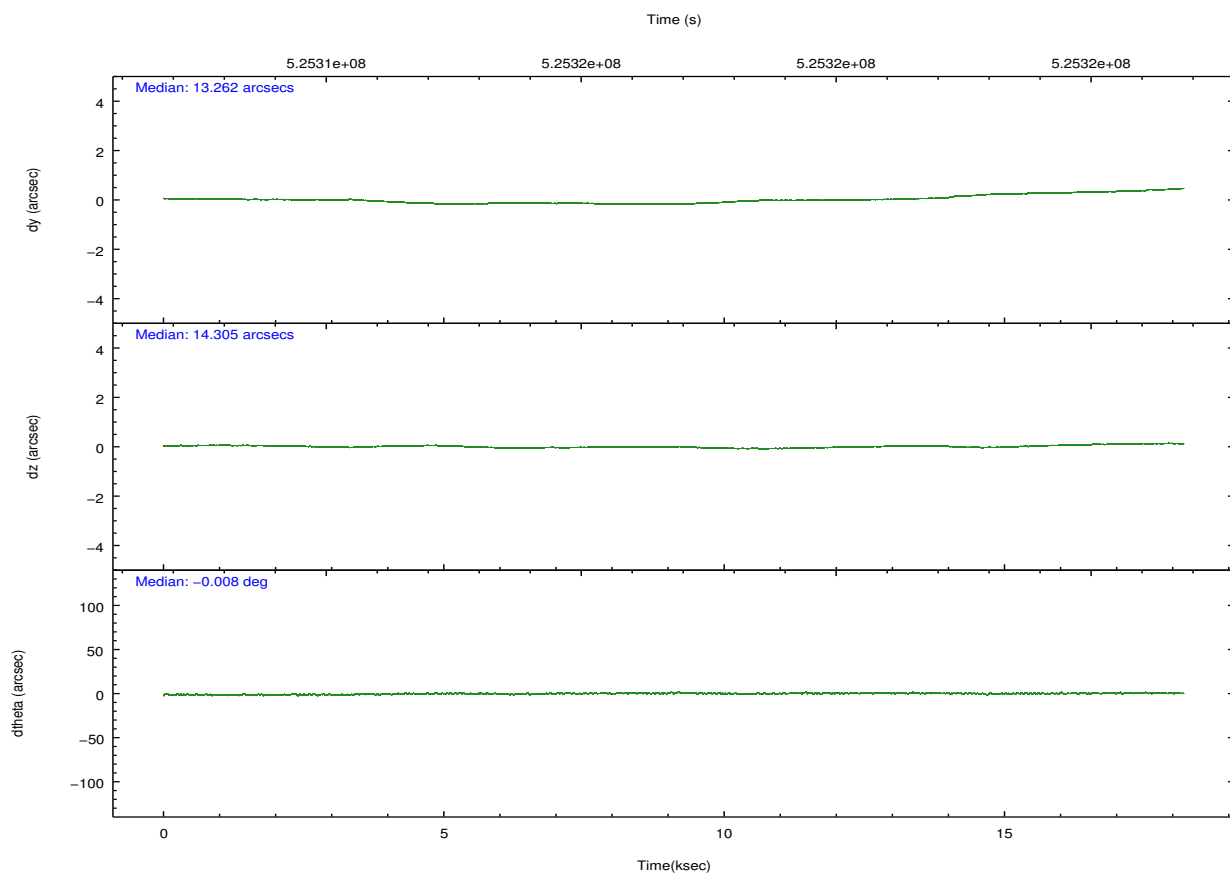
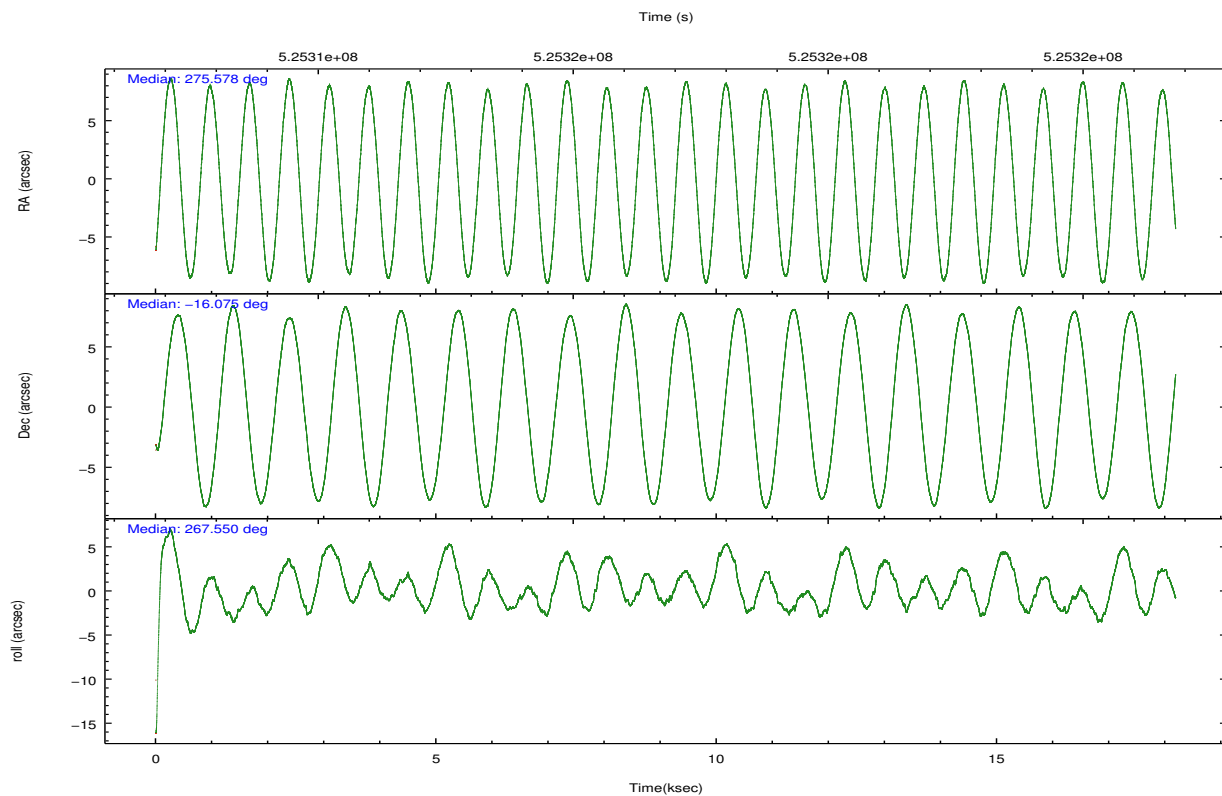
	<b>ccd 7</b>
grade 0 events	1113
	6%
grade 1 events	25
	0%
grade 2 events	1897
	10%
grade 3 events	1210
	6%
grade 4 events	1151
	6%
grade 5 events	1833
	10%
grade 6 events	3629
	20%
grade 7 events	6889
	38%

## 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	275.564502	275.5780672738203
[deg] Pointing Dec	-16.051413	-16.0755849434212
[deg] Pointing Roll	267.387265	267.5476332867595
[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)	525307907.184000	525307144.3818
Observation start date	2014-08-24T22:50:40	2014-08-24T22:39:04
[s] Observation end time (MET)	525325907.184000	525326408.74537
Observation end date	2014-08-25T03:50:40	2014-08-25T04:00:08
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

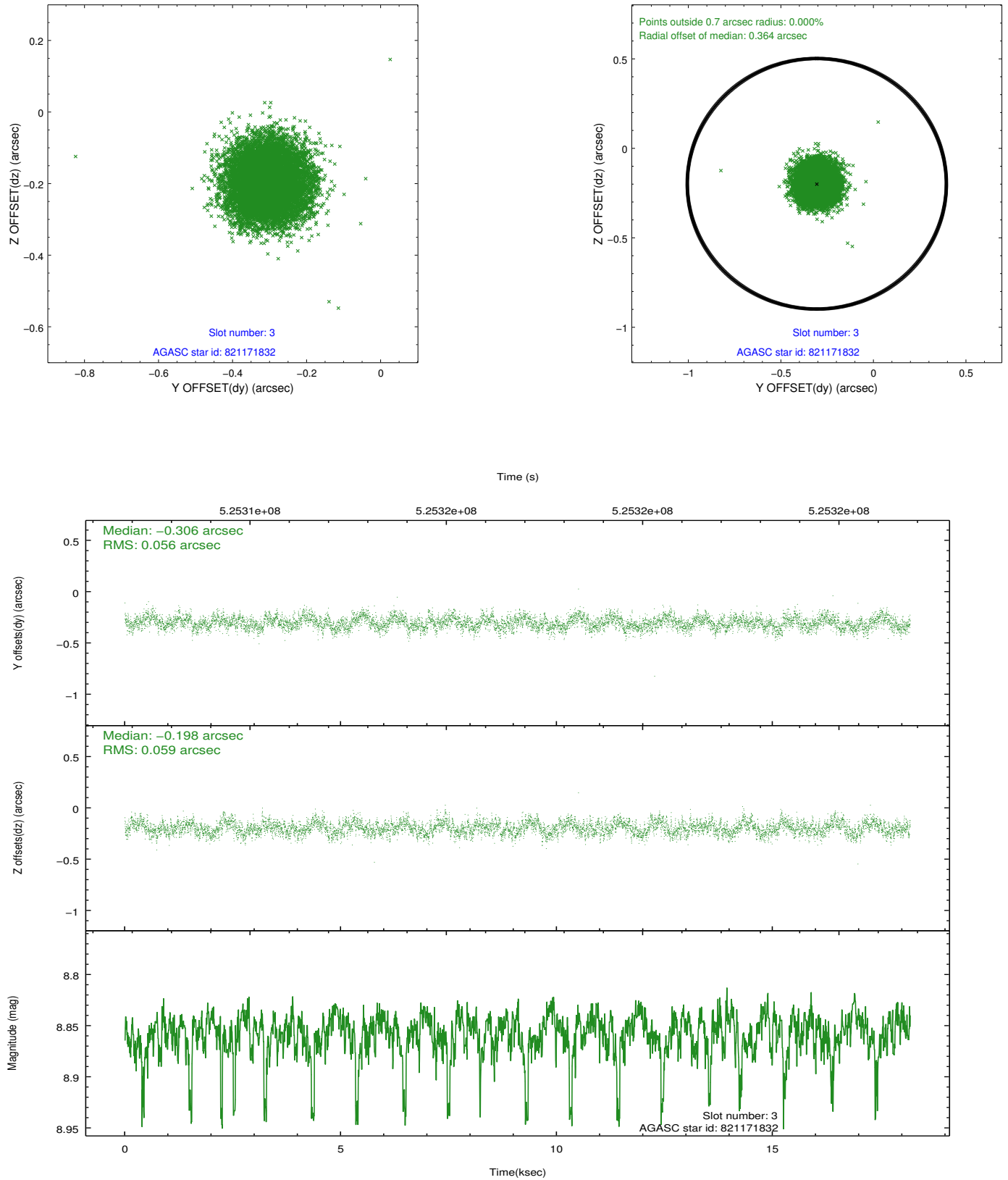


### Slot Statistics

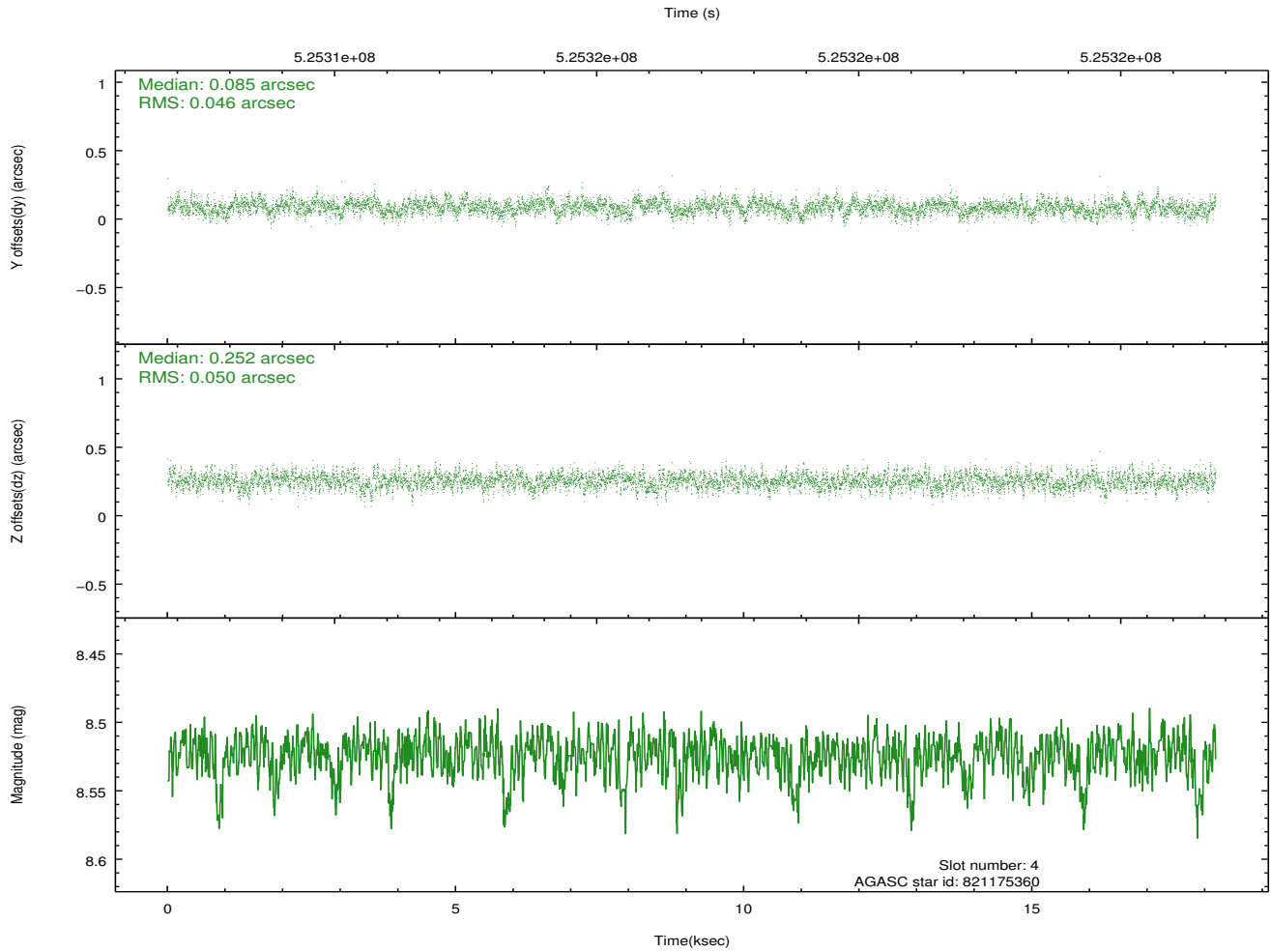
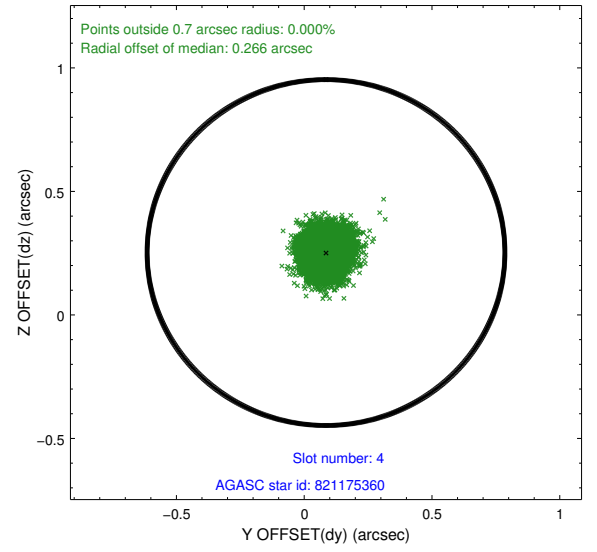
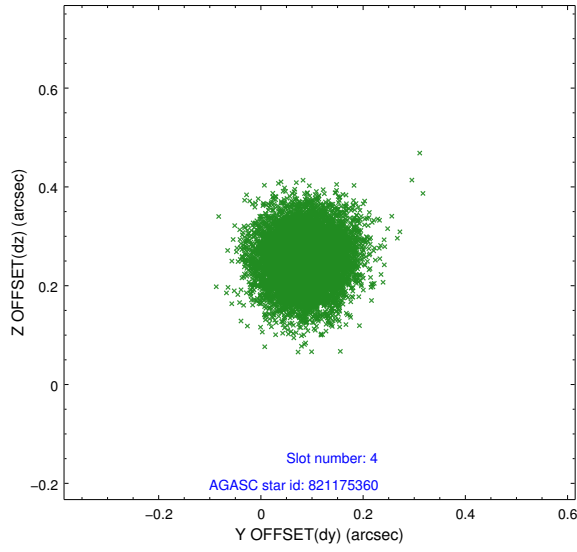
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.08	4437	0.142	-0.048	0.008	0.015	0.000000	0.000000	930.04	-1731.32
1	FID	ACIS-S-2	6.99	4437	-0.074	-0.019	0.007	0.012	0.000000	0.000000	-765.96	-1736.14
2	FID	ACIS-S-5	7.10	4436	-0.093	0.073	0.008	0.014	0.000000	0.000000	-1819.52	166.02
3	GUIDE	821171832	8.86	8868	-0.306	-0.198	0.088	0.137	275.792275	-15.610164	-1622.29	716.61
4	GUIDE	821175360	8.52	8870	0.085	0.252	0.073	0.118	275.121622	-15.398191	-2277.26	-1642.14
5	GUIDE	821180448	7.17	8872	0.030	0.015	0.075	0.119	275.453560	-16.324585	1000.15	-338.07
6	GUIDE	821183768	9.23	8866	0.117	-0.081	0.098	0.156	275.638665	-16.595886	1947.10	344.97
7	GUIDE	821169272	7.20	8872	0.066	0.012	0.060	0.096	275.312025	-16.375484	1206.40	-817.74

## 2.4 Star Slots

### 2.4.1 Slot 3

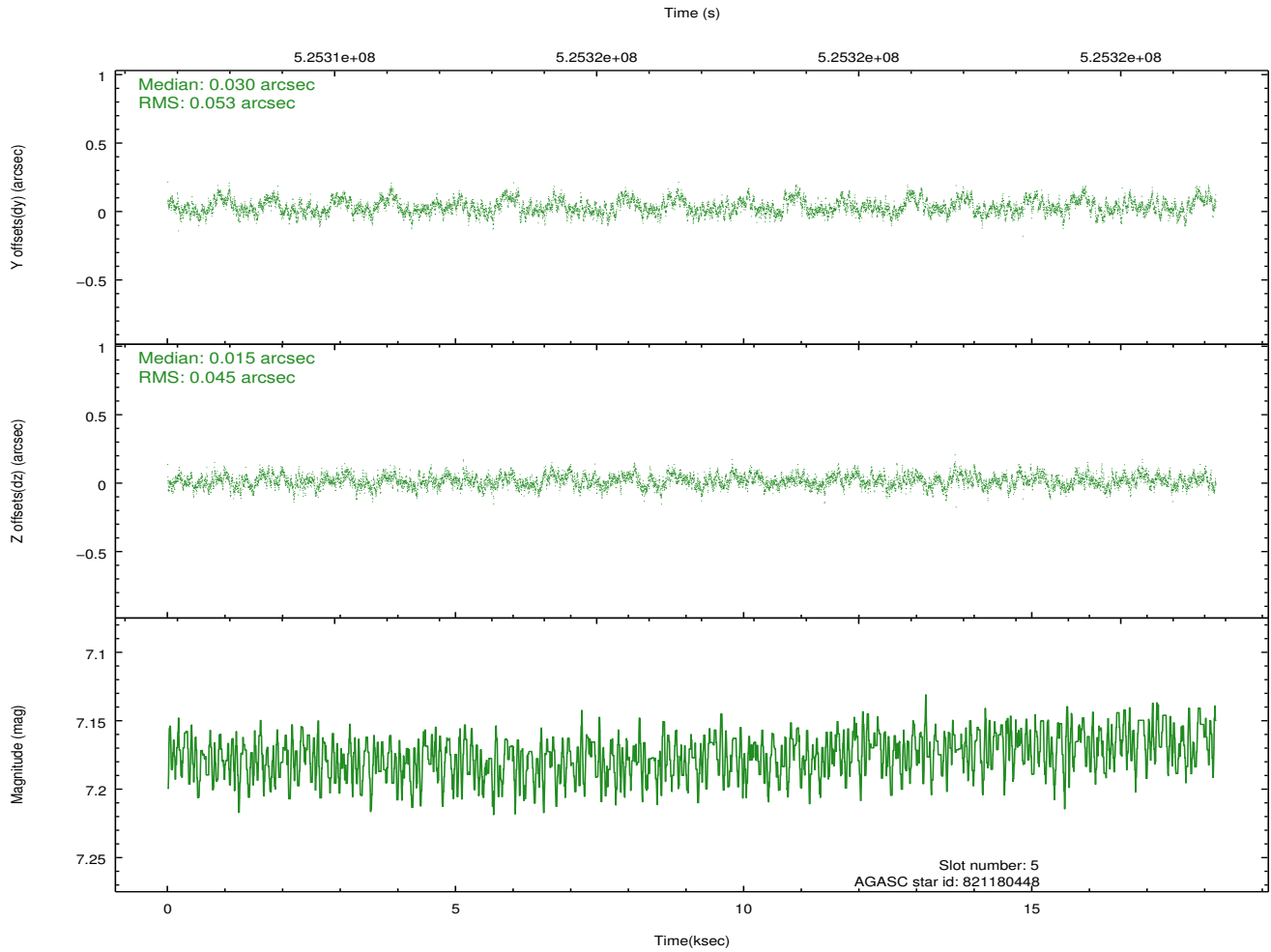
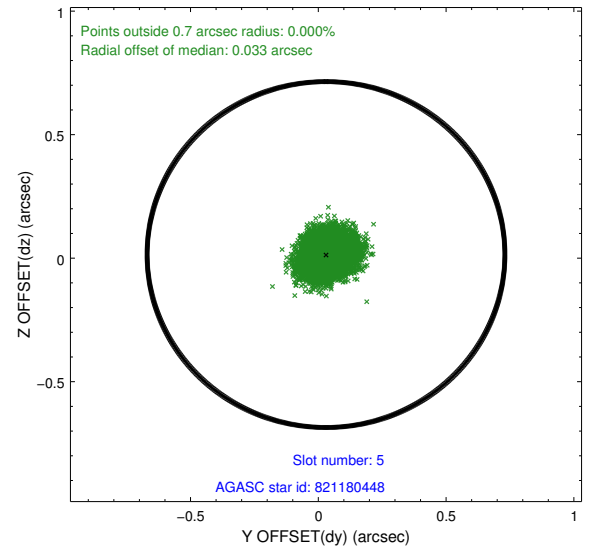
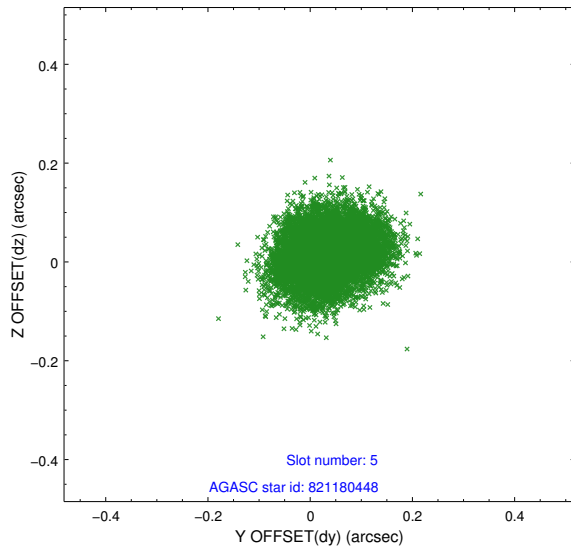


## 2.4.2 Slot 4

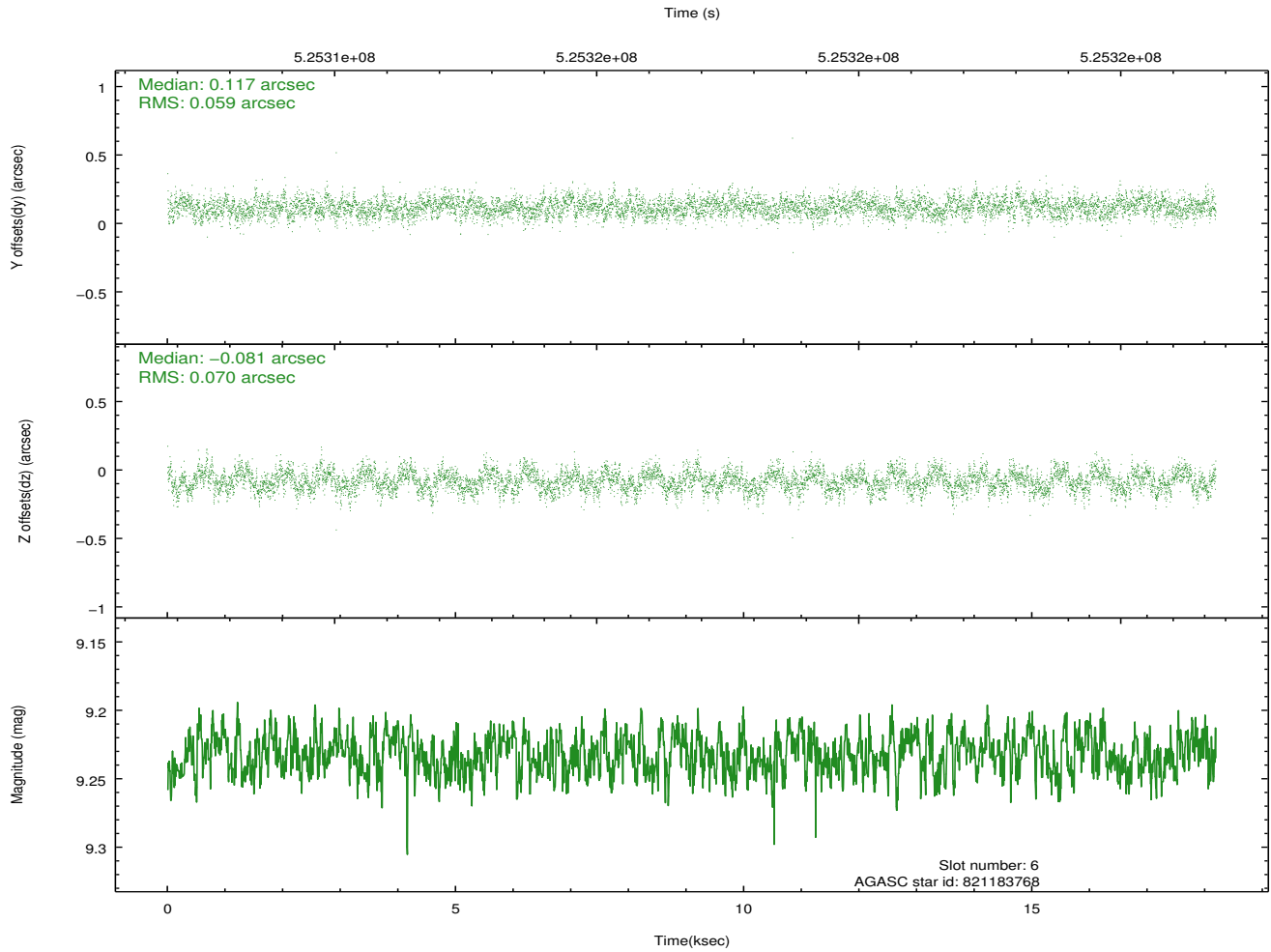
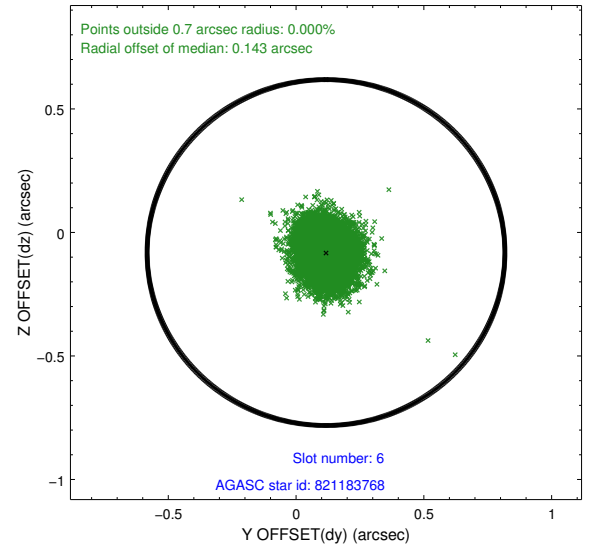
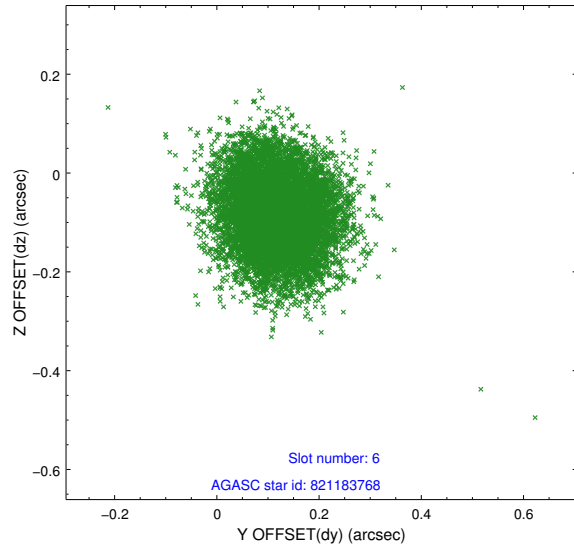




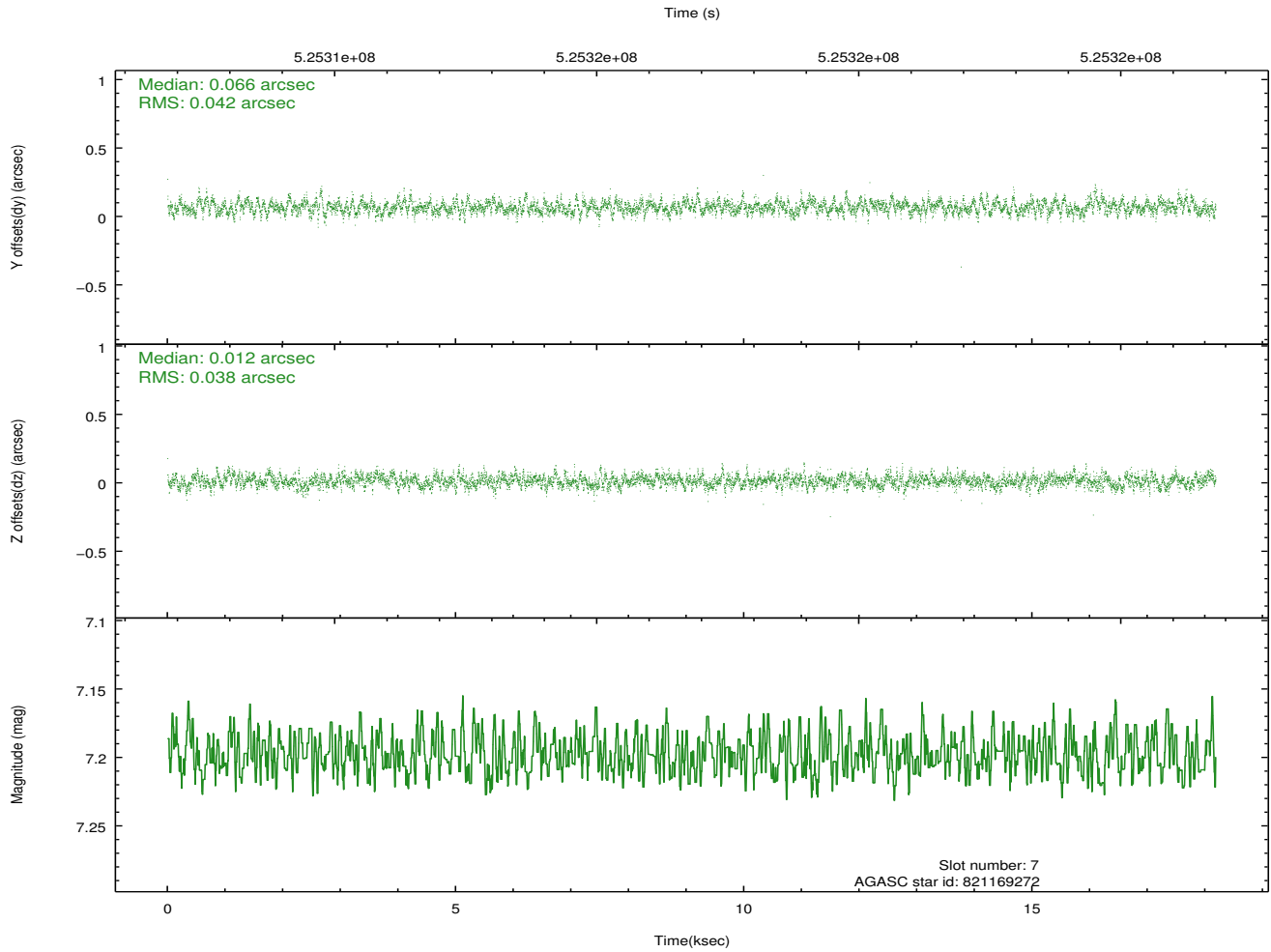
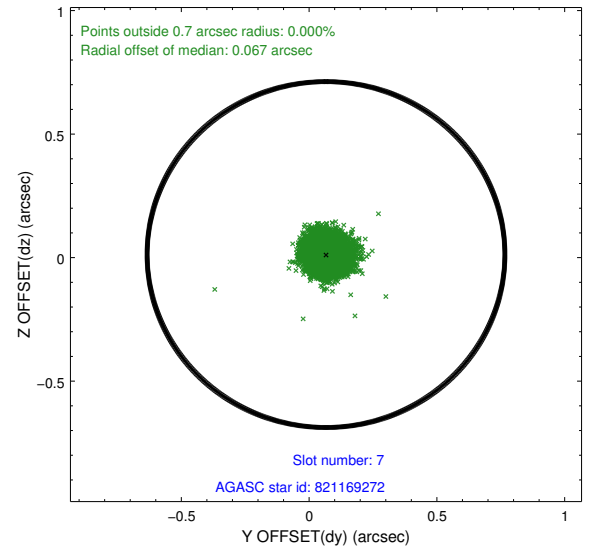
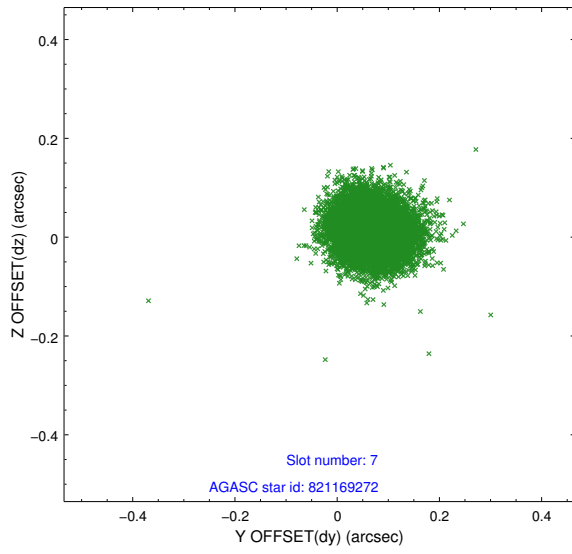
### 2.4.3 Slot 5



## 2.4.4 Slot 6

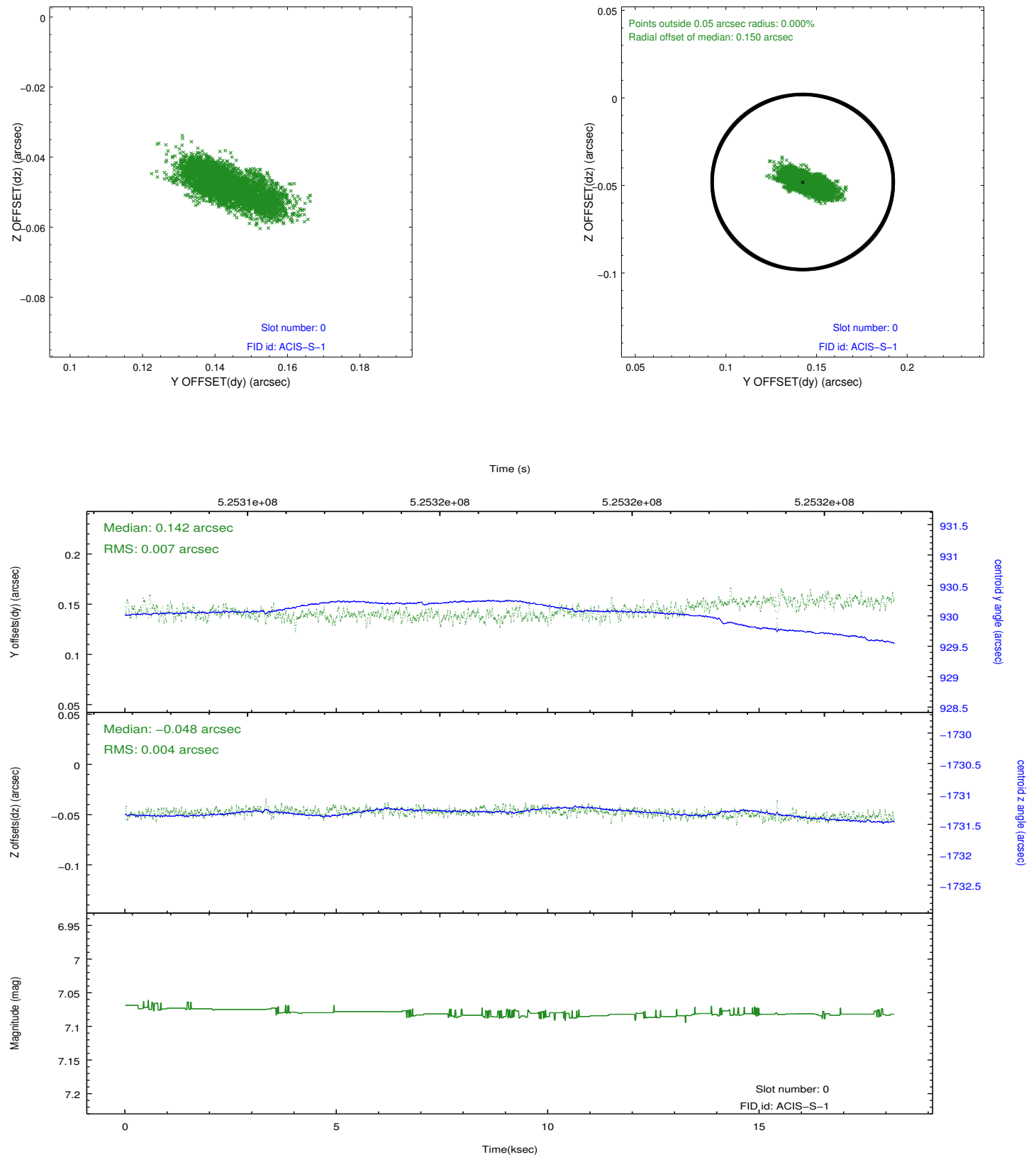


## 2.4.5 Slot 7

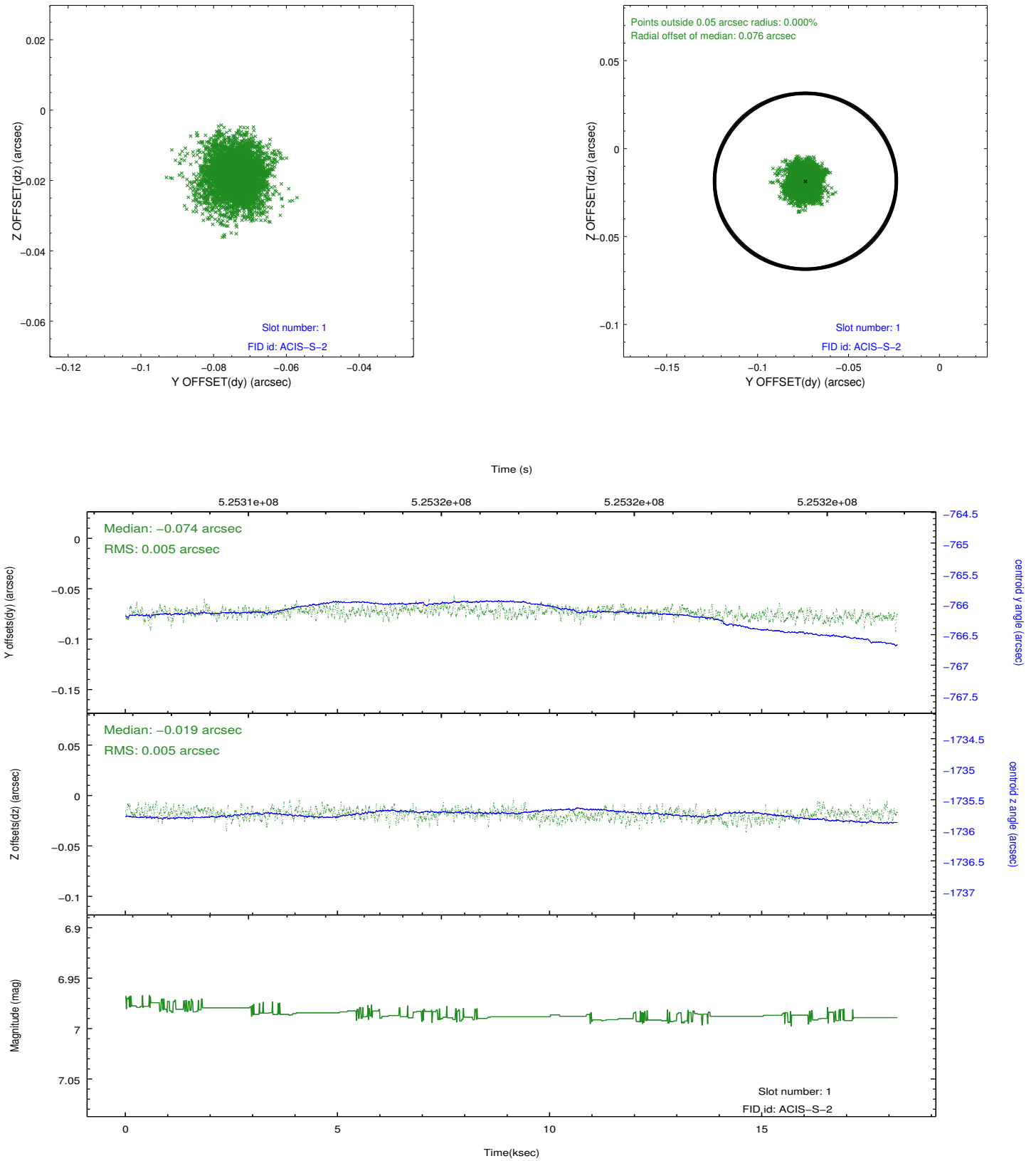


## 2.5 FID Slots

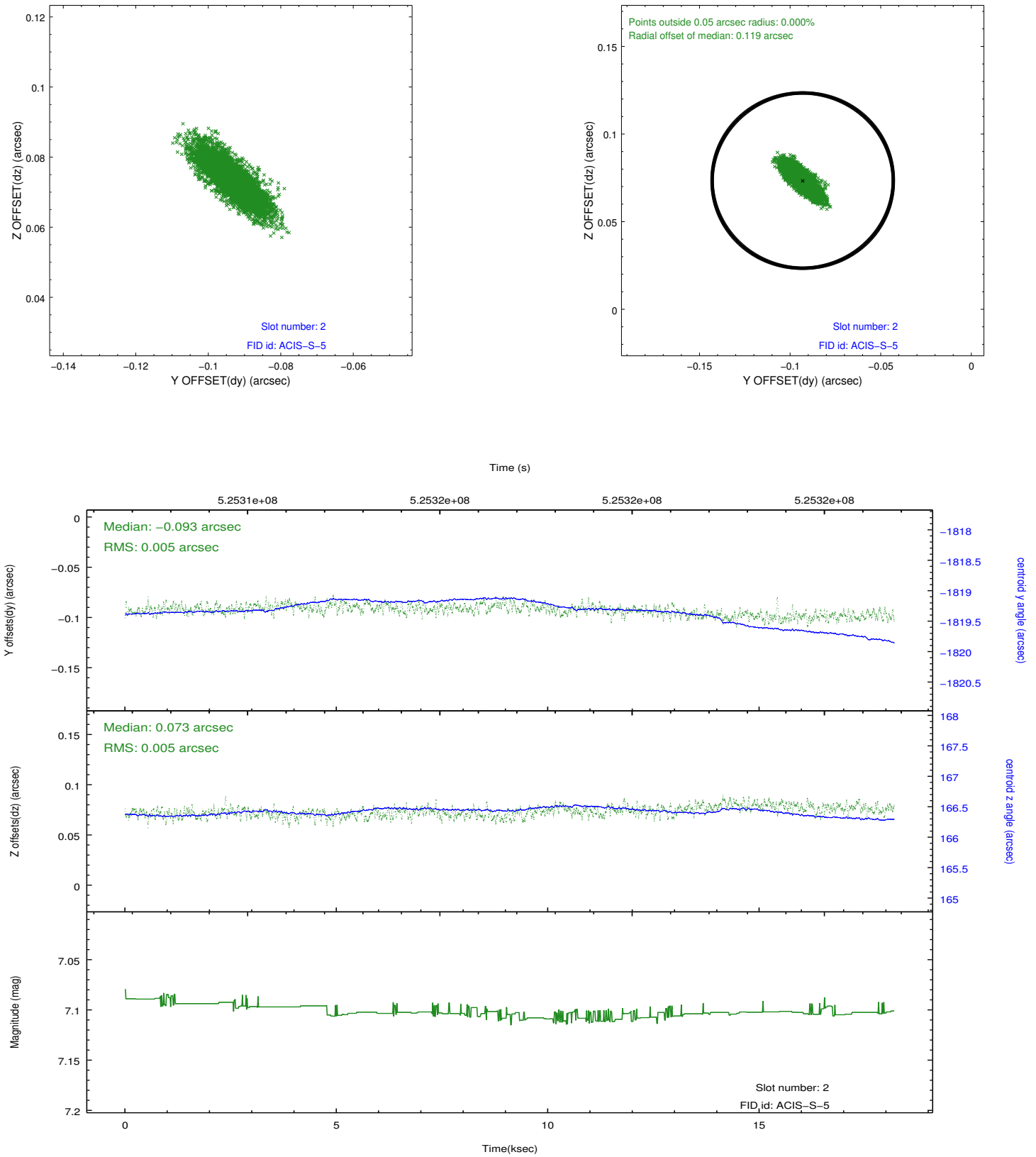
### 2.5.1 Slot 0



## 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)	2014.08.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.068798923016

### A.2 Comments