

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4671 - L2 Version 3  
Chandra X-Ray Center

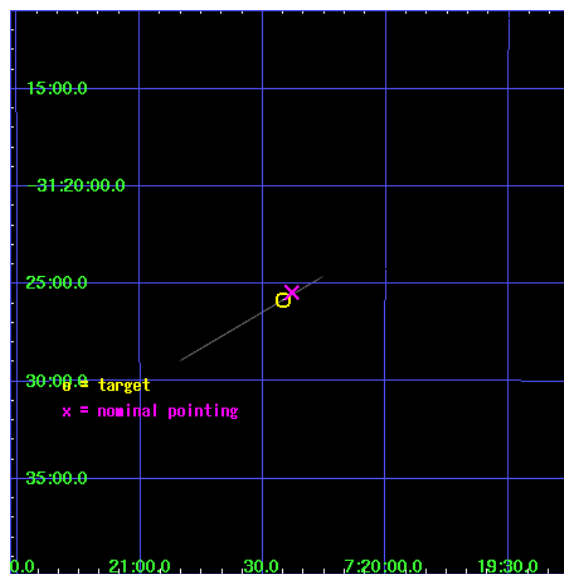
L2 Processing Date : Apr 11 2008

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# 1 Front

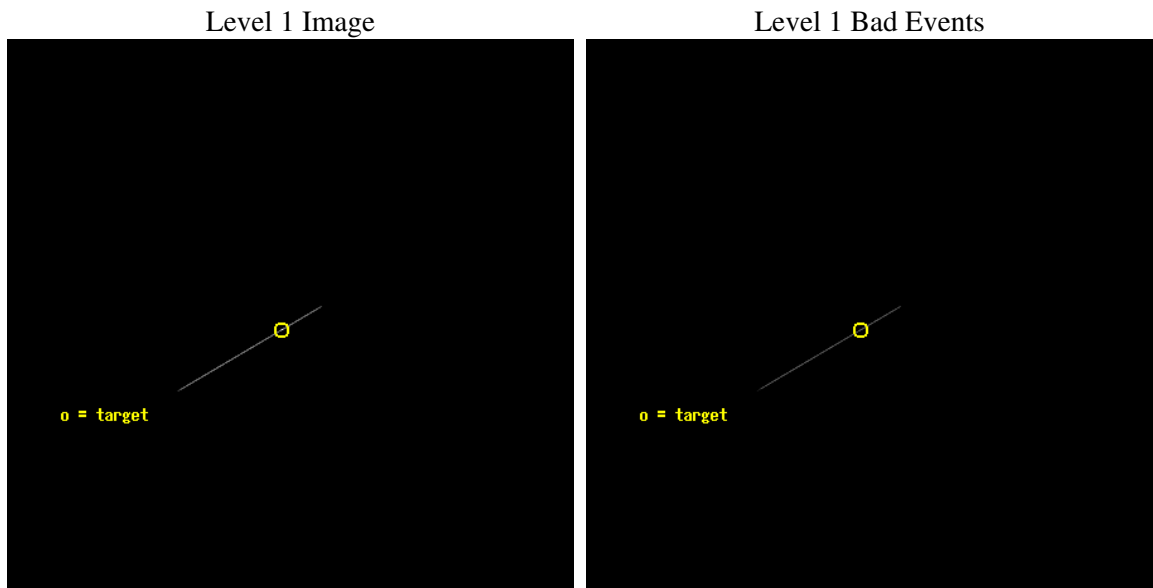
seq_num	500490
obs_id	4671
title	Timing the Enigmatic Nearby Neutron Star RX J0720.4-3125
observer	Dr David Kaplan
object	RX J0720.4-3125
ra_targ	110.104167
dec_targ	-31.430444
ra_nom	110.09554409259
dec_nom	-31.424273751396
roll_nom	149.79813823123
revision	3
ontime	5143.25
livetime	5123.1591796875
ontime7	5143.25
l2events	27390



## 2 OBI

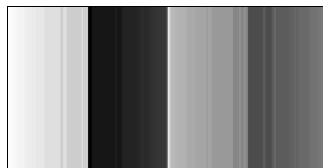
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	2
ascdsver	7.6.11.6
caldbver	3.4.4
date	2008-04-11T21:34:12
revision	3

sched_exp_time	5000.000000
ontime	5143.25
ontime7	5143.25
l1events	39966

### 2.1.4 Events

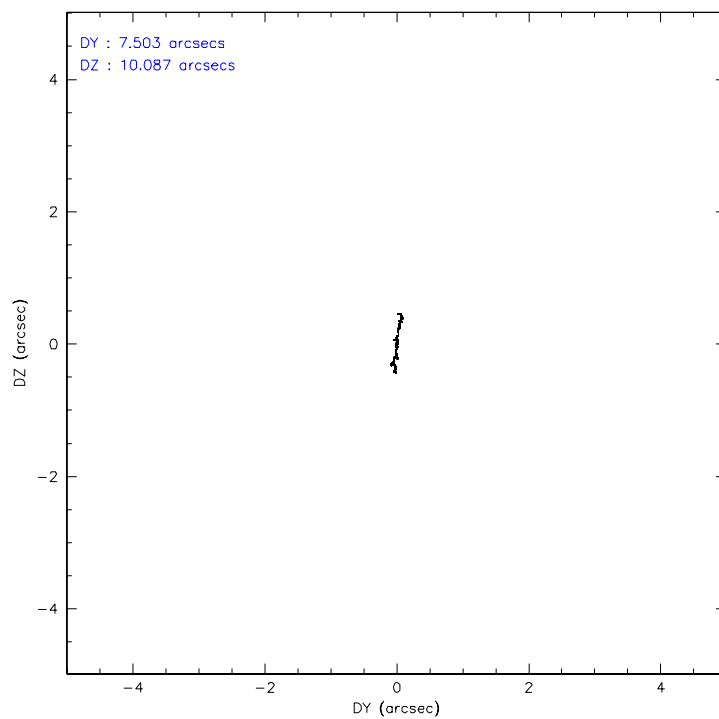
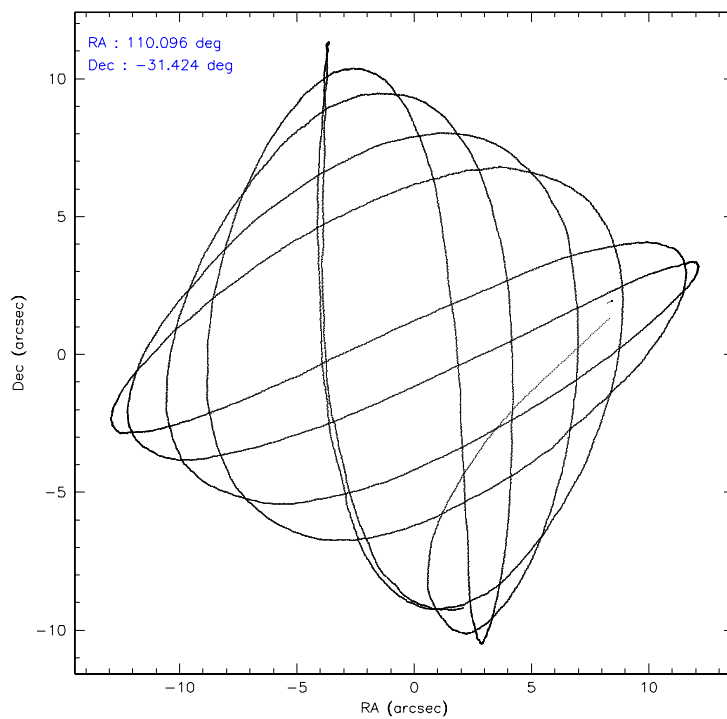
	<b>ccd 7</b>
level 1 events	39966
rejected events	11594
rejected %	29%

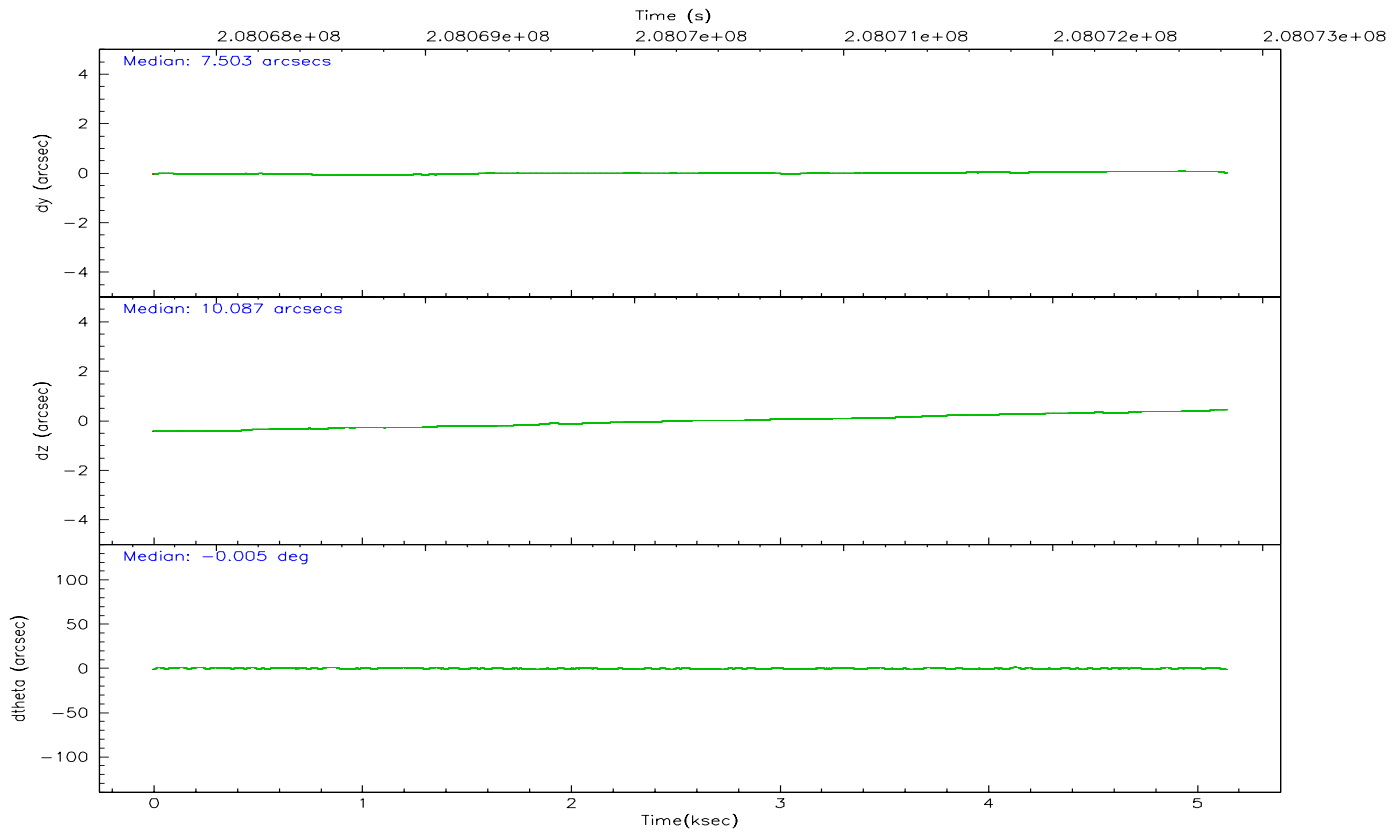
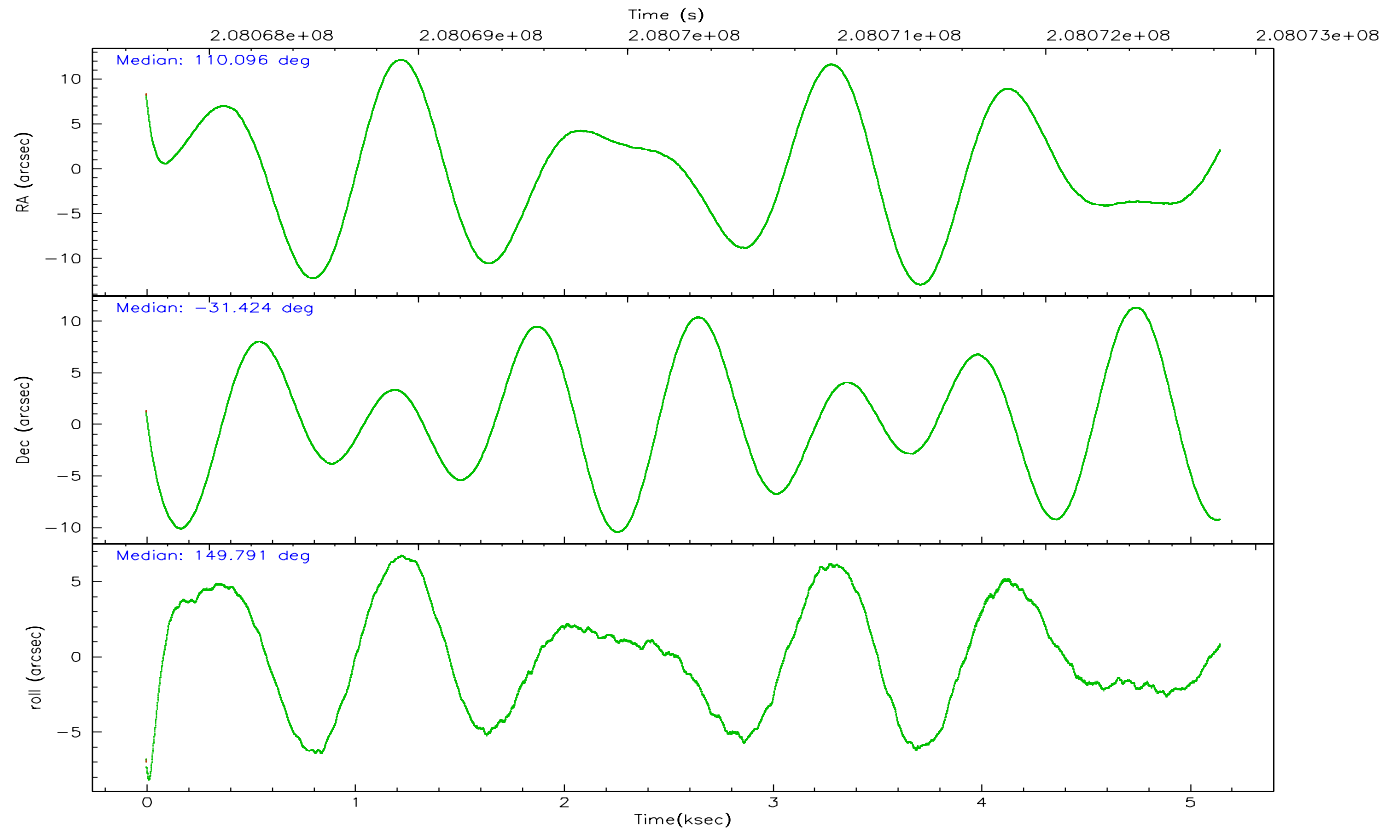
	<b>ccd 7</b>
grade 0 events	8003
	20%
grade 1 events	78
	0%
grade 2 events	8145
	20%
grade 3 events	2636
	6%
grade 4 events	2595
	6%
grade 5 events	5192
	12%
grade 6 events	13317
	33%
grade 7 events	0
	0%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	110.127433	110.0955440925912	Alternating exposures requested	N	N
Pointing Dec	-31.423915	-31.42427375139604	Primary exposure time	0.000000	0
Pointing Roll	149.658169	149.7981382312263			
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	208067839.184000	208066012.06139			
Observation start date	2004-08-05T04:36:15	2004-08-05T04:06:52			
Observation end time	208072839.184000	208073979.38674			
Observation end date	2004-08-05T05:59:35	2004-08-05T06:19:39			
Read mode	CONTINUOUS	CONTINUOUS			

## 2.3 Aspect





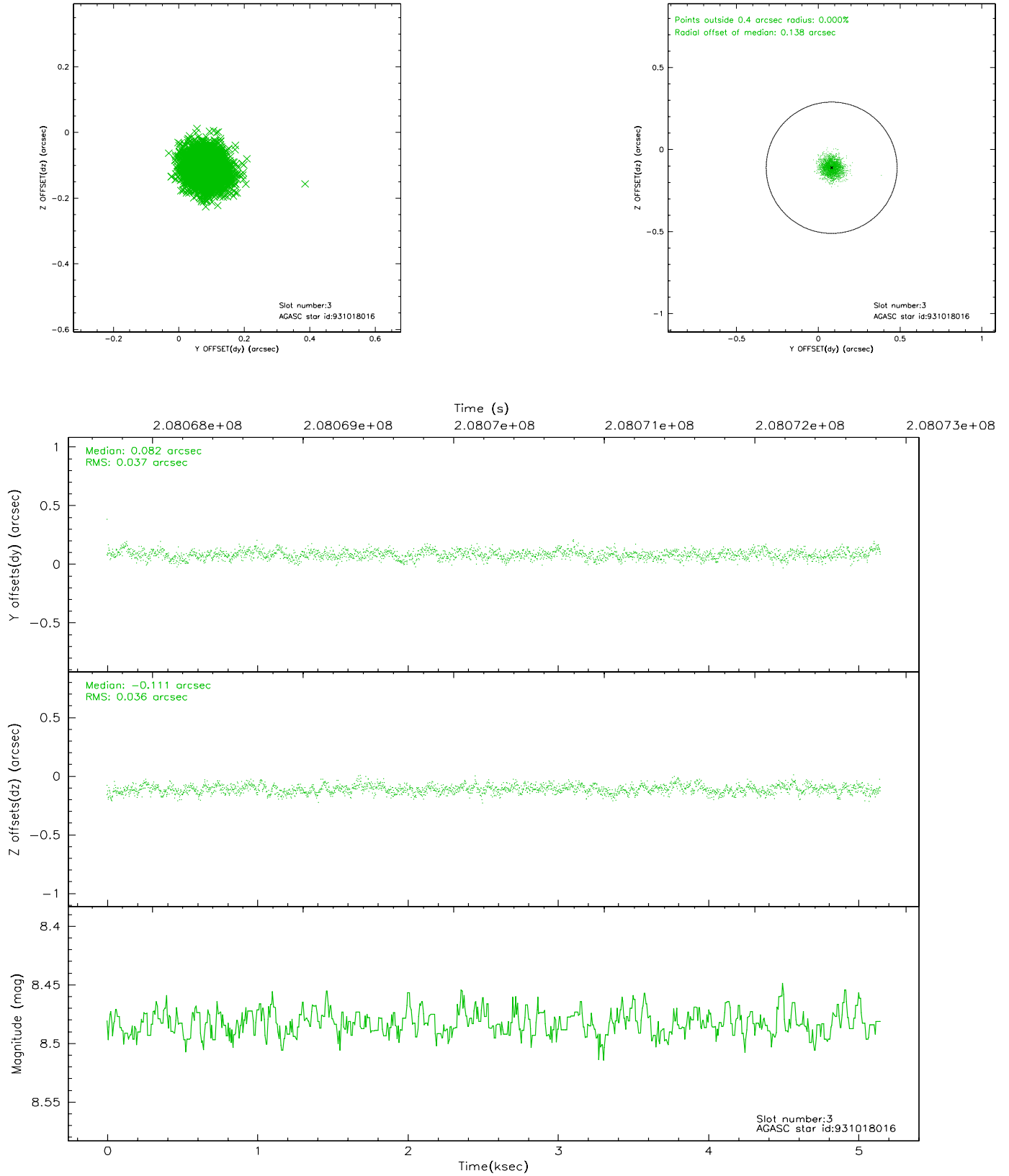
### Slot Statistics

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	1256	-0.035	-0.012	0.006	0.011	0.000000	0.000000	-760.27	-1731.35
1	FID	ACIS-S-4	7.20	1256	0.036	0.016	0.006	0.010	0.000000	0.000000	2152.51	175.99
2	FID	ACIS-S-6	7.34	1256	-0.030	0.003	0.008	0.014	0.000000	0.000000	403.19	814.69
3	GUIDE	931018016	8.48	2512	0.082	-0.111	0.055	0.087	109.684535	-31.226562	1534.56	77.96
4	GUIDE	931019296	8.66	2512	-0.052	-0.013	0.077	0.122	109.471771	-31.694370	1239.01	1860.36
5	GUIDE	931160352	8.62	2512	0.018	0.146	0.070	0.121	110.268138	-30.864891	642.41	-1955.47
6	GUIDE	931163512	8.45	2511	0.010	0.076	0.064	0.100	110.894384	-31.299941	-1814.00	-1570.95
7	GUIDE	931022960	8.94	2509	-0.058	-0.096	0.081	0.130	109.733092	-31.864448	237.57	1978.81

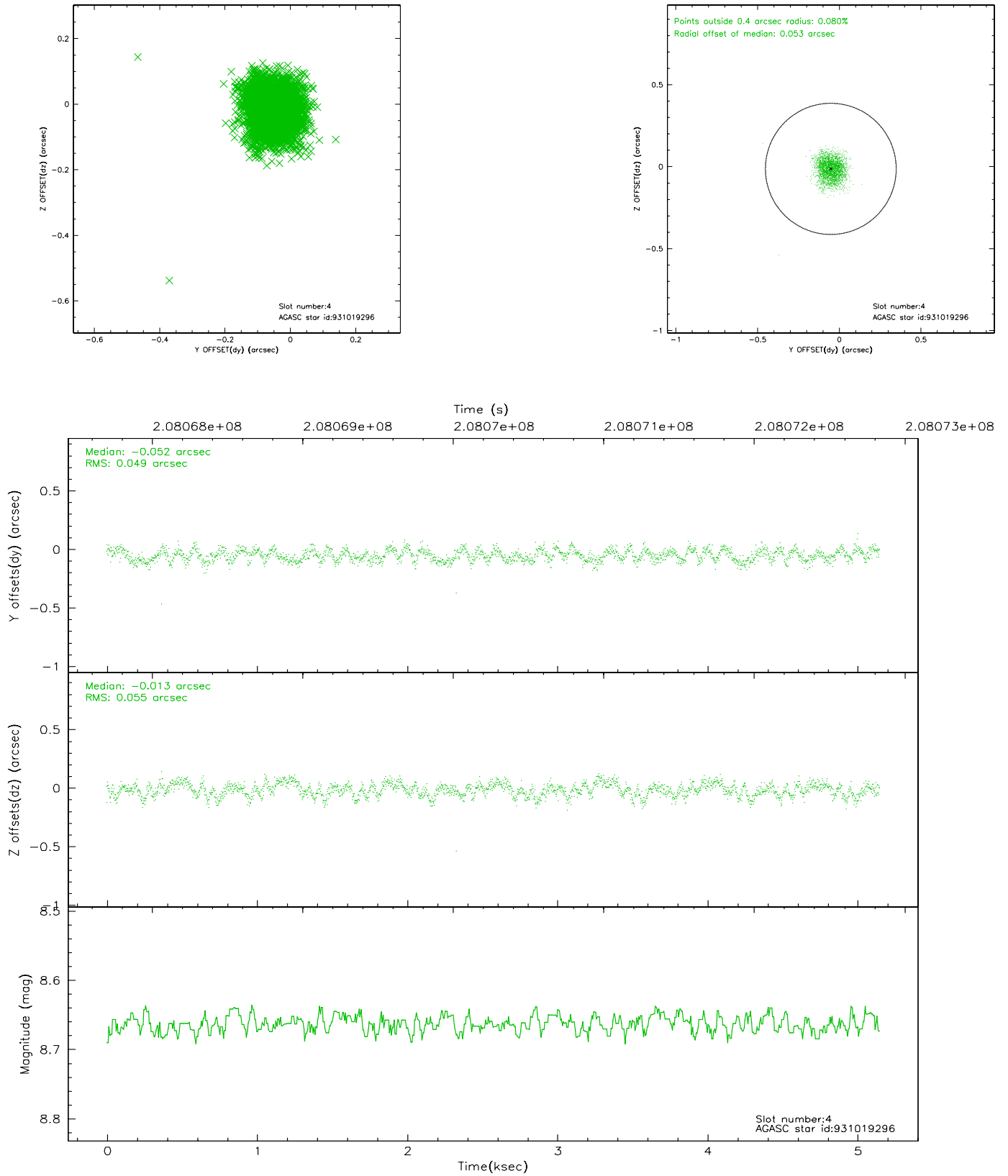


## 2.4 Star Slots

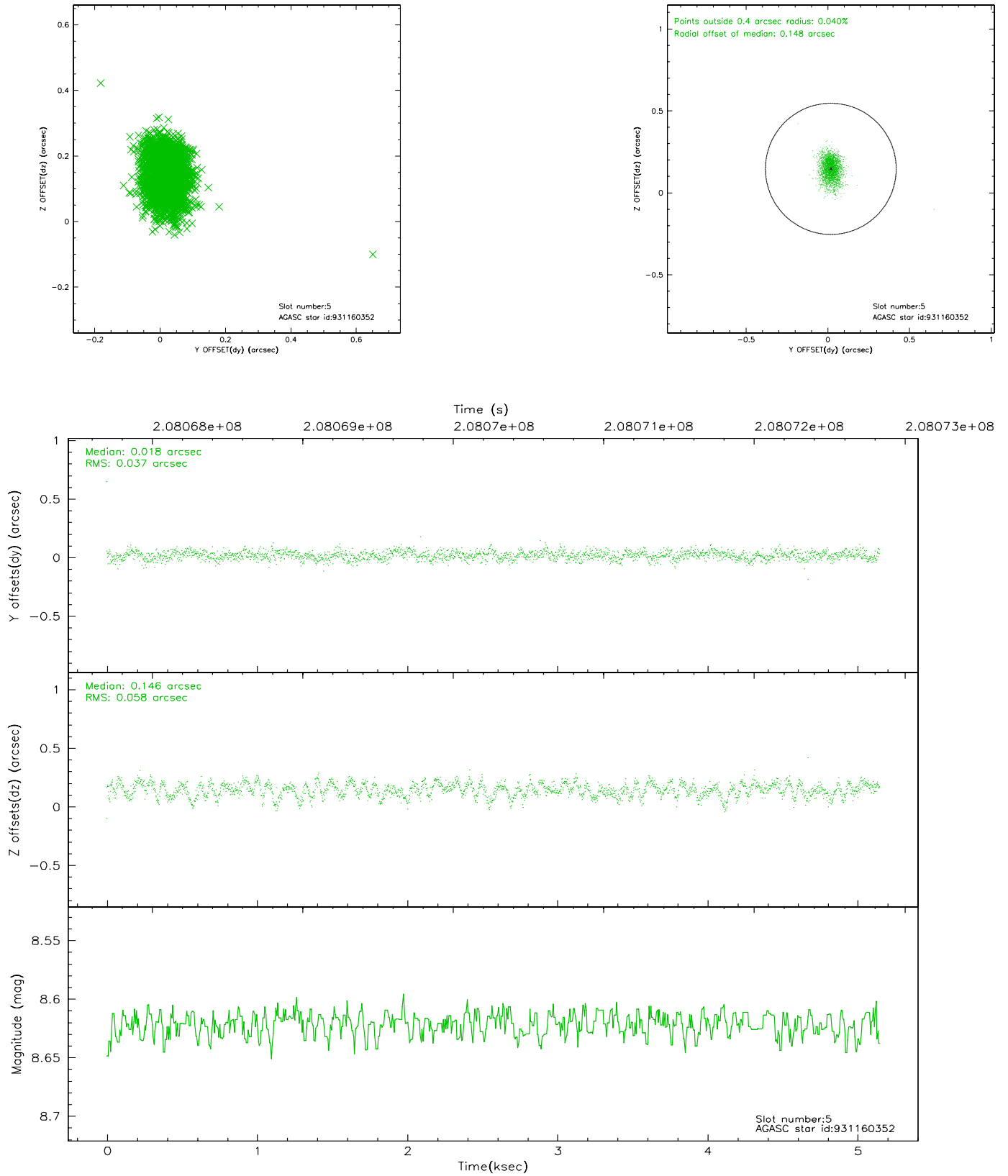
### 2.4.1 Slot 3



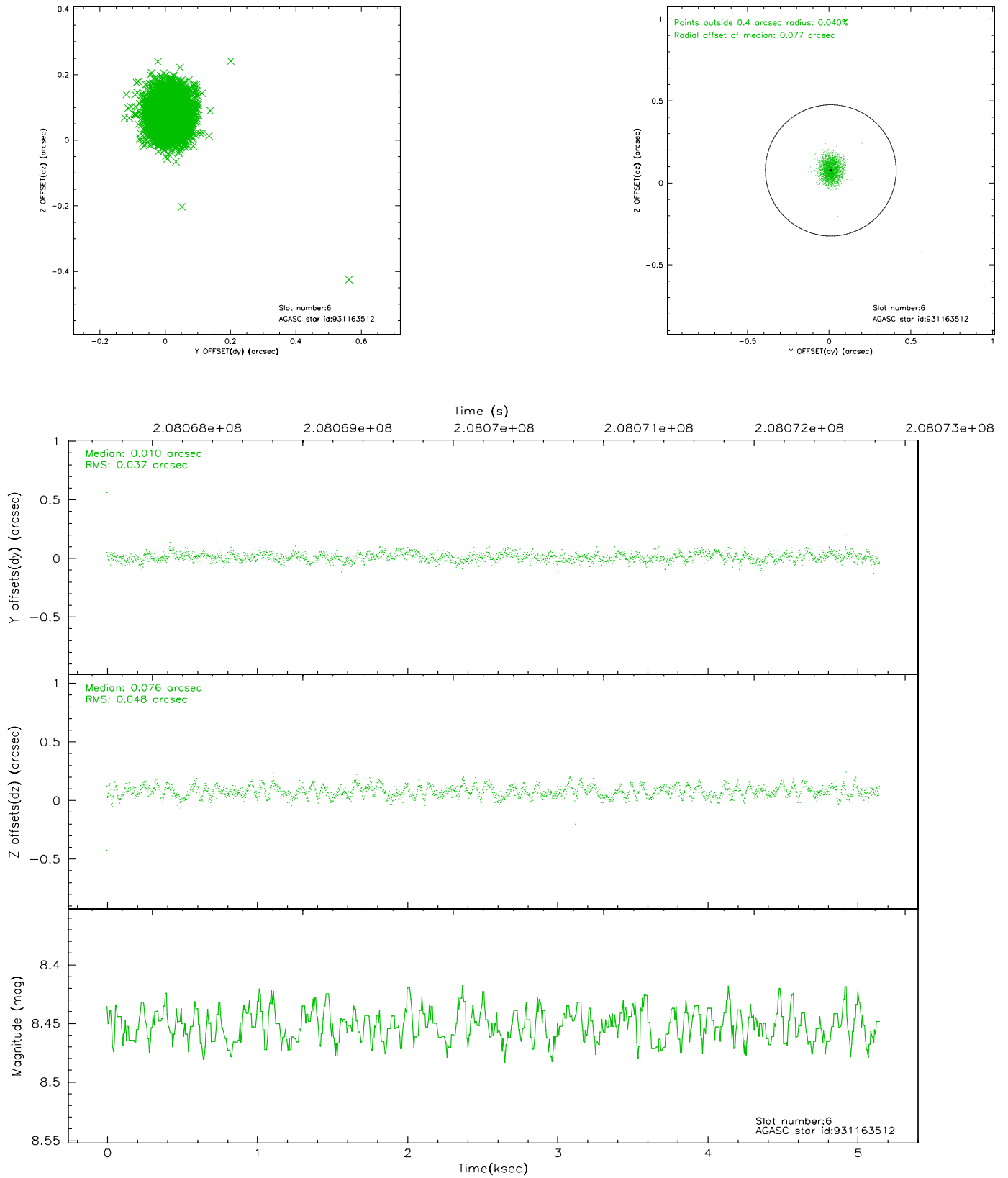
## 2.4.2 Slot 4



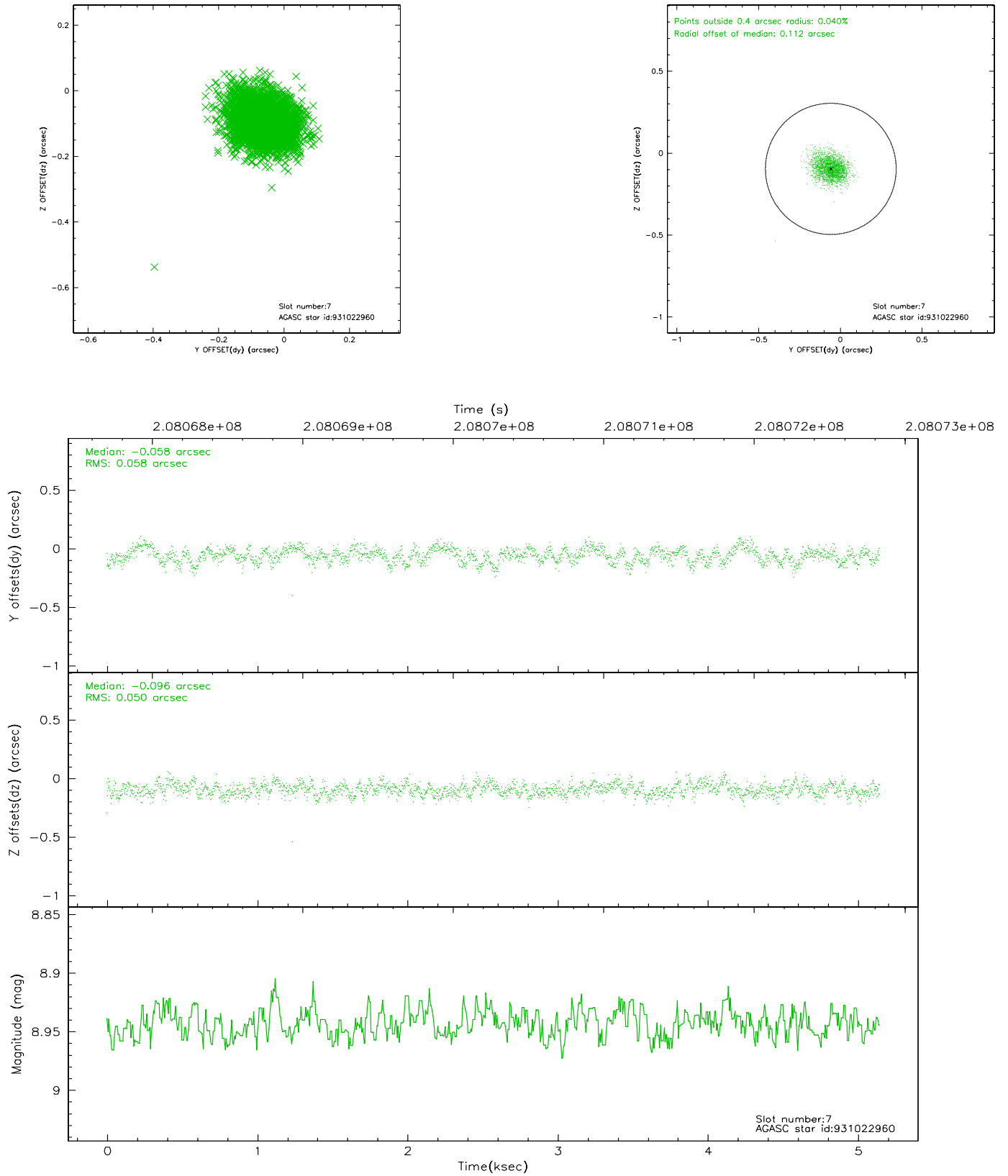
### 2.4.3 Slot 5



## 2.4.4 Slot 6

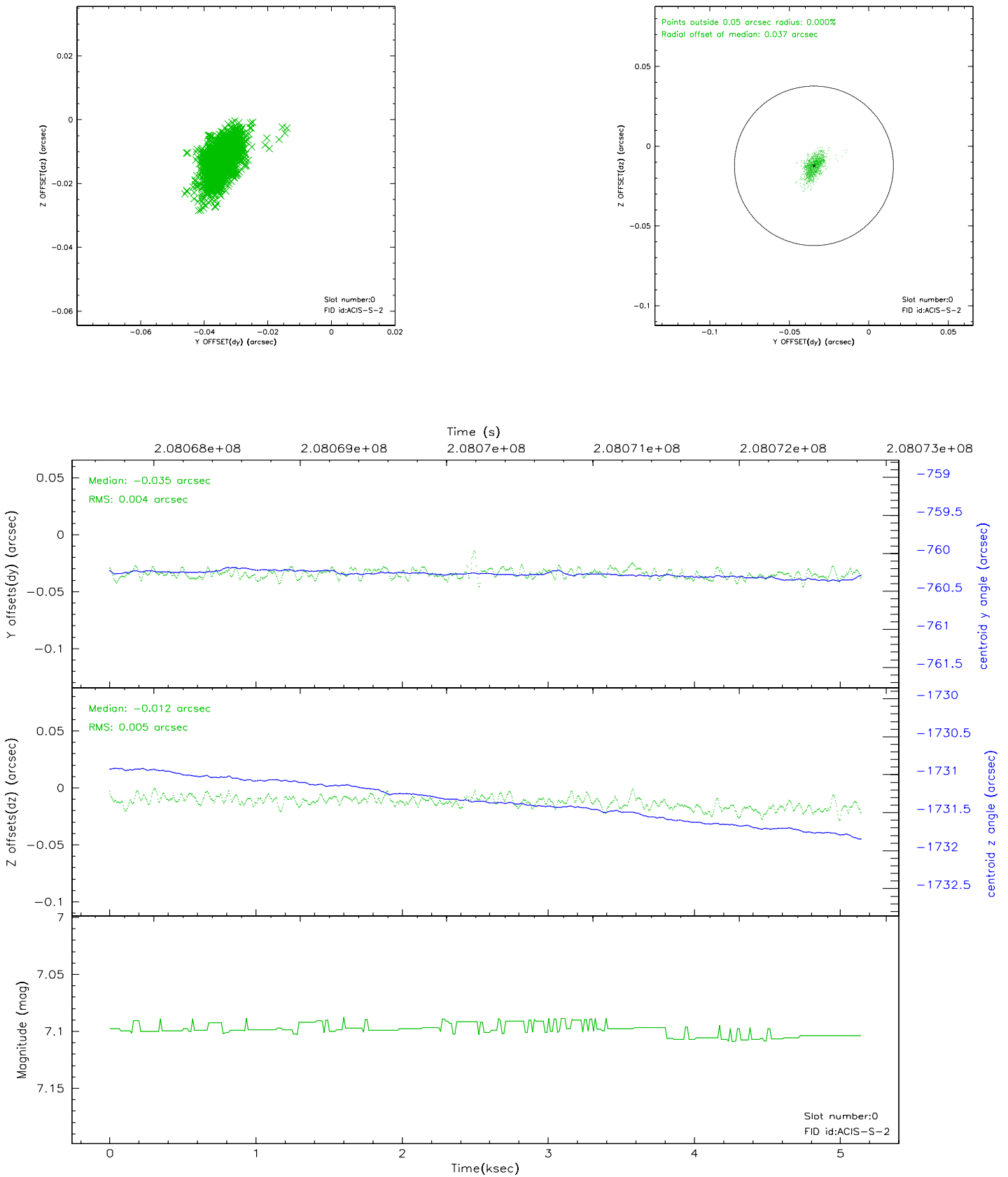


## 2.4.5 Slot 7

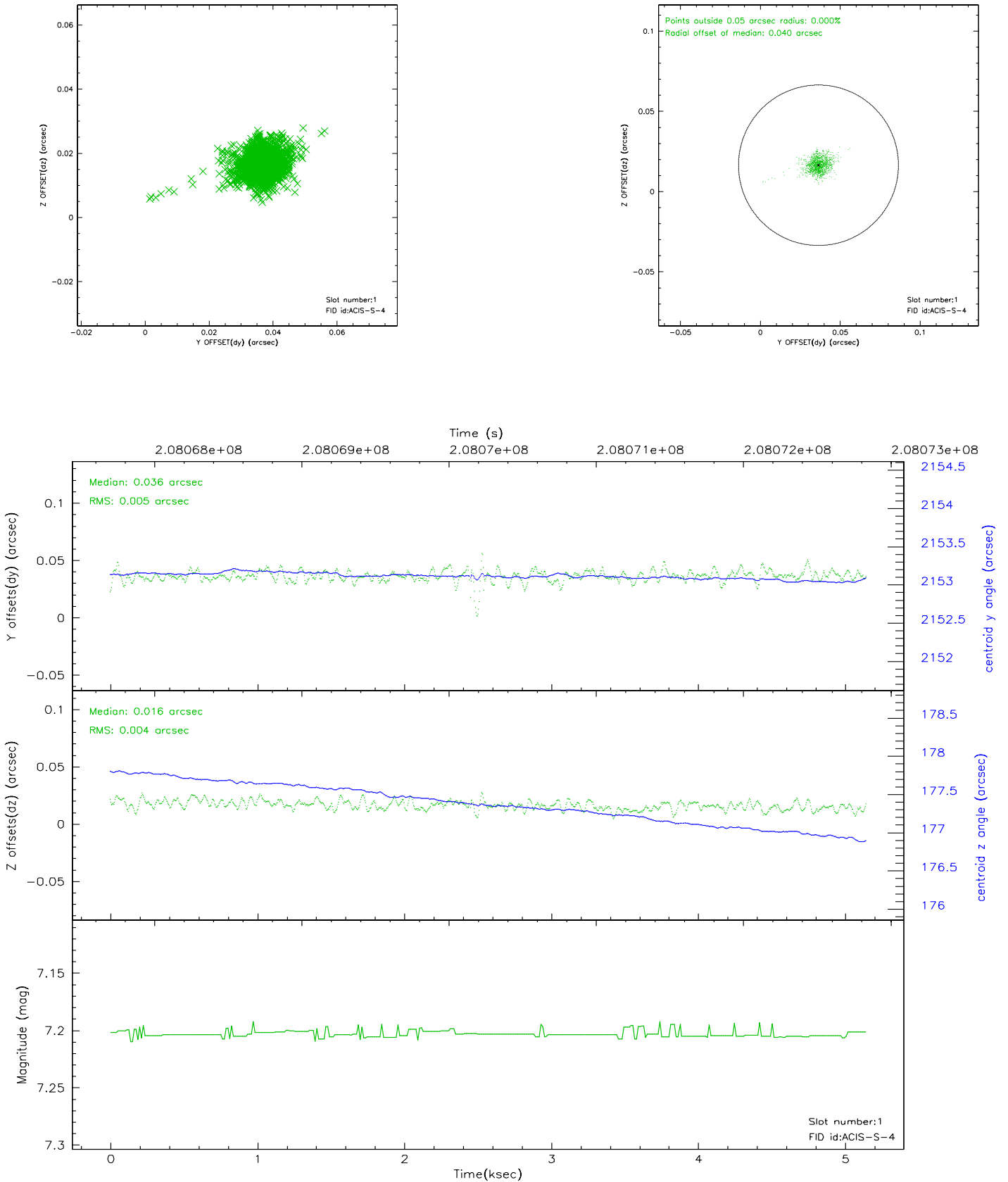


## 2.5 FID Slots

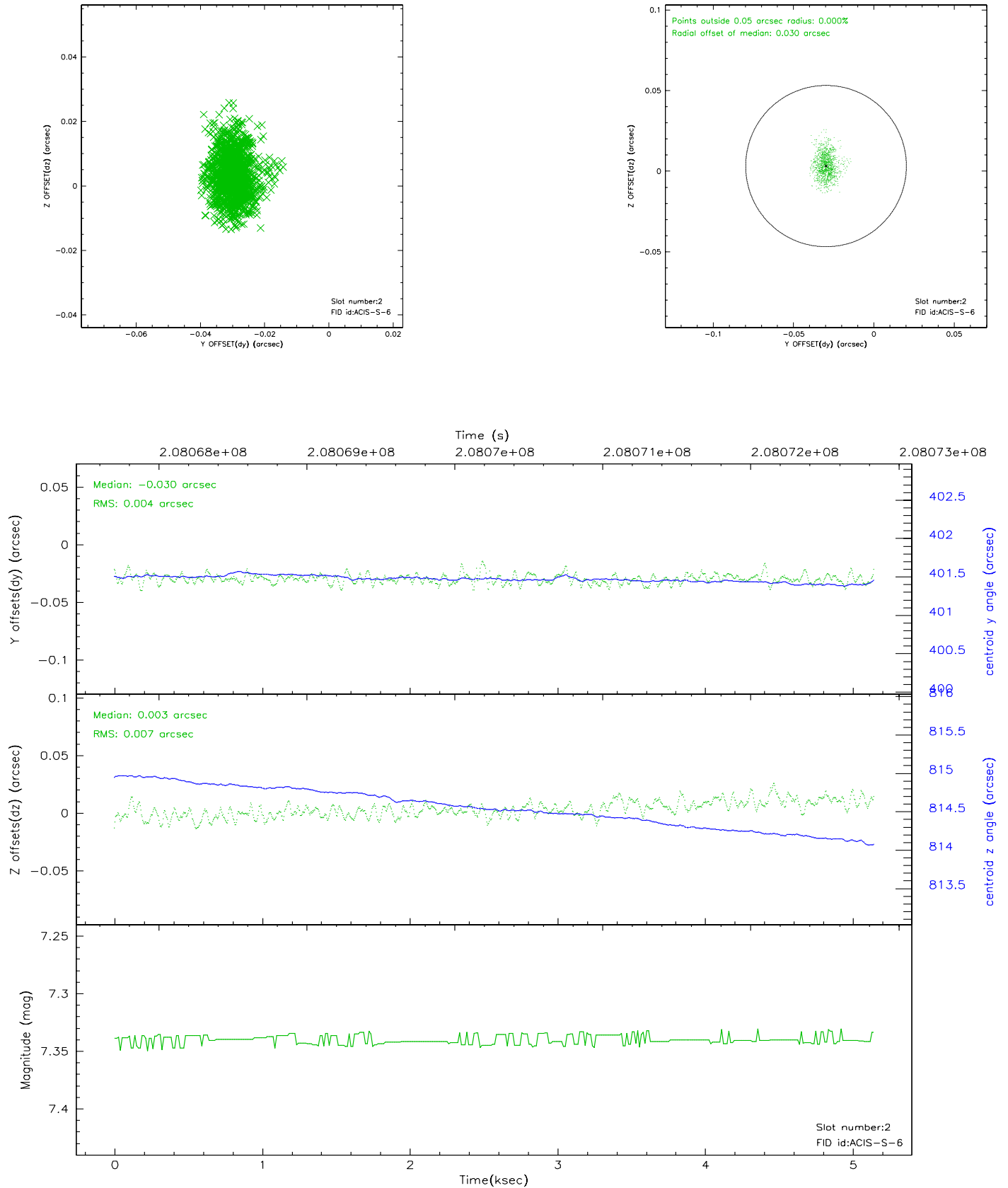
### 2.5.1 Slot 0



## 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)	2008.04.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.146

### A.2 Comments