

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 5527 - L2 Version 4  
Chandra X-Ray Center

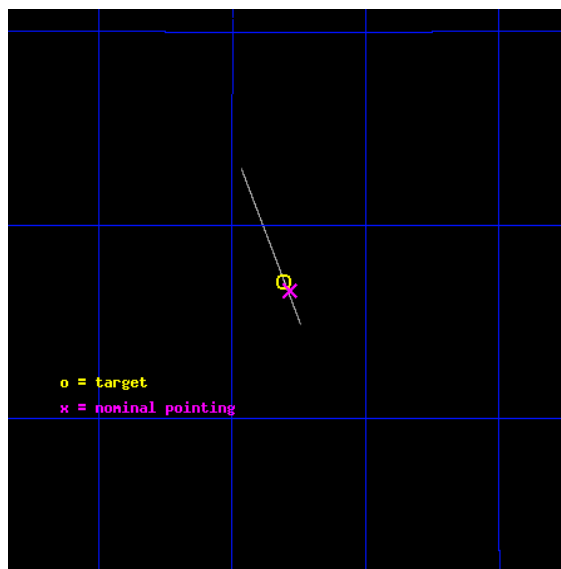
L2 Processing Date : Dec 25 2012

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# 1 Front

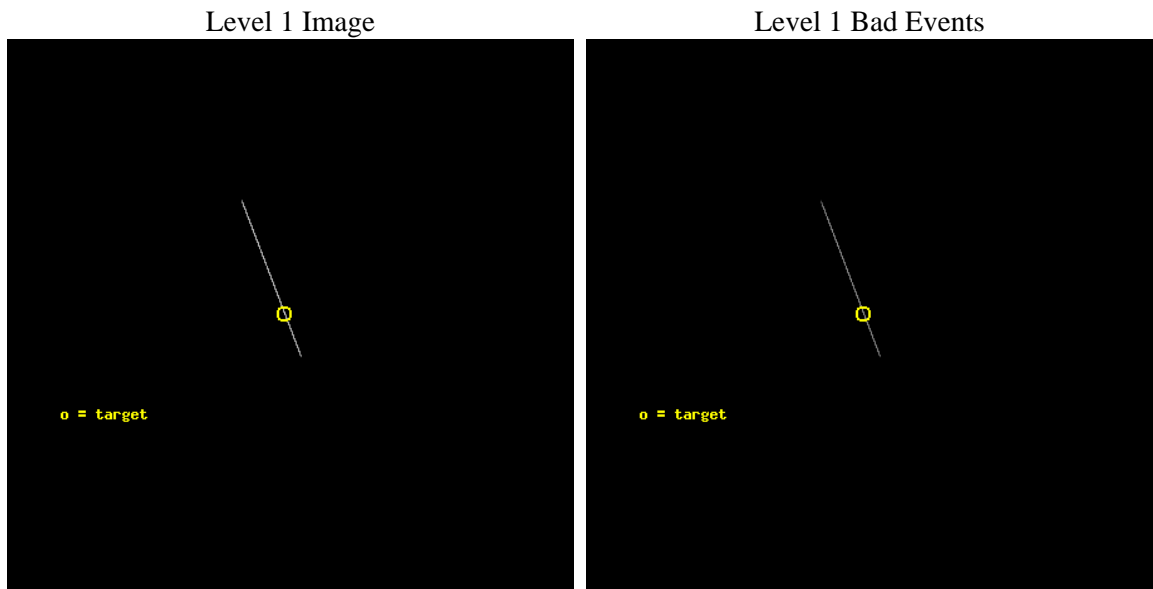
seq_num	500521	Sequence number
obs_id	5527	Observation id
title	Timing the Enigmatic Nearby Neutron Star RX J1308.8+2127	Proposal
observer	Prof. David Kaplan	Principal investigator
object	RX J1308.8+2127	Source name
ra_targ	197.20125	Observer's specified target RA [deg]
dec_targ	21.451889	Observer's specified target Dec [deg]
ra_nom	197.19595390079	Nominal RA [deg]
dec_nom	21.443592432264	Nominal Dec [deg]
roll_nom	248.90839654921	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5068.25	Sum of GTIs [s]
livetime	5048.4521484375	Livetime [s]
ontime7	5068.25	Sum of GTIs [s]
l2events	26403	Number of level 2 events



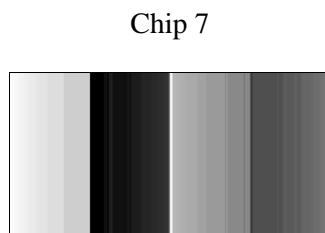
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4897.101000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	5068.25	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime7	5068.25	Sum of GTIs [s]
date	2012-12-25T23:53:36	Date and time of file creation	l1events	37400	Number of level 1 events
revision	4	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	37400
rejected events	10042
rejected %	26%

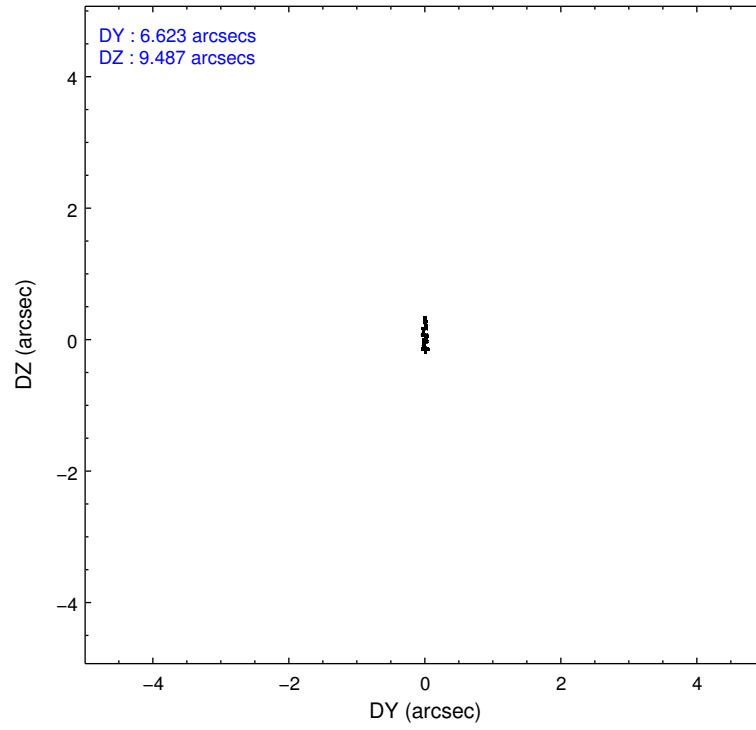
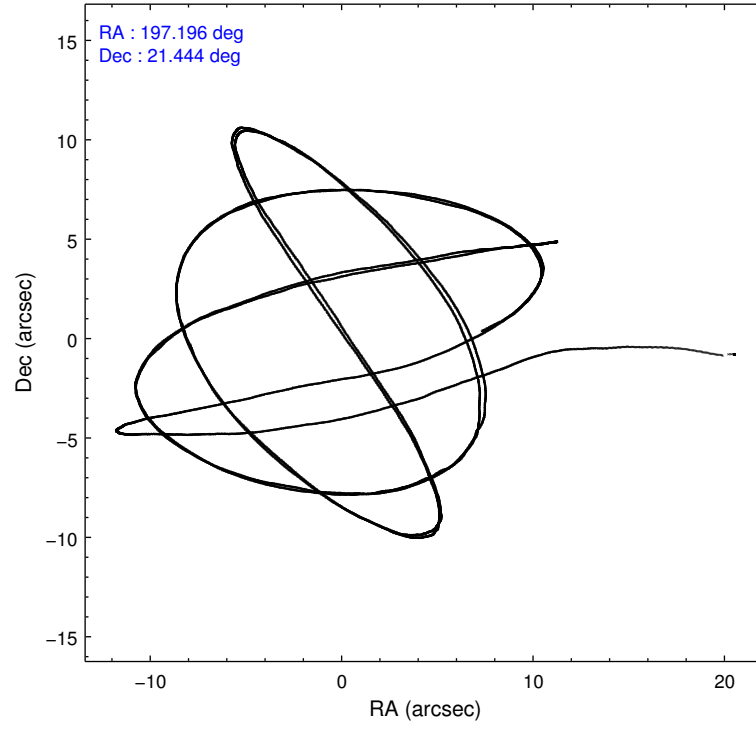
	<b>ccd 7</b>
grade 0 events	4212
	11%
grade 1 events	69
	0%
grade 2 events	7918
	21%
grade 3 events	2364
	6%
grade 4 events	2227
	5%
grade 5 events	5292
	14%
grade 6 events	15318
	40%
grade 7 events	0
	0%

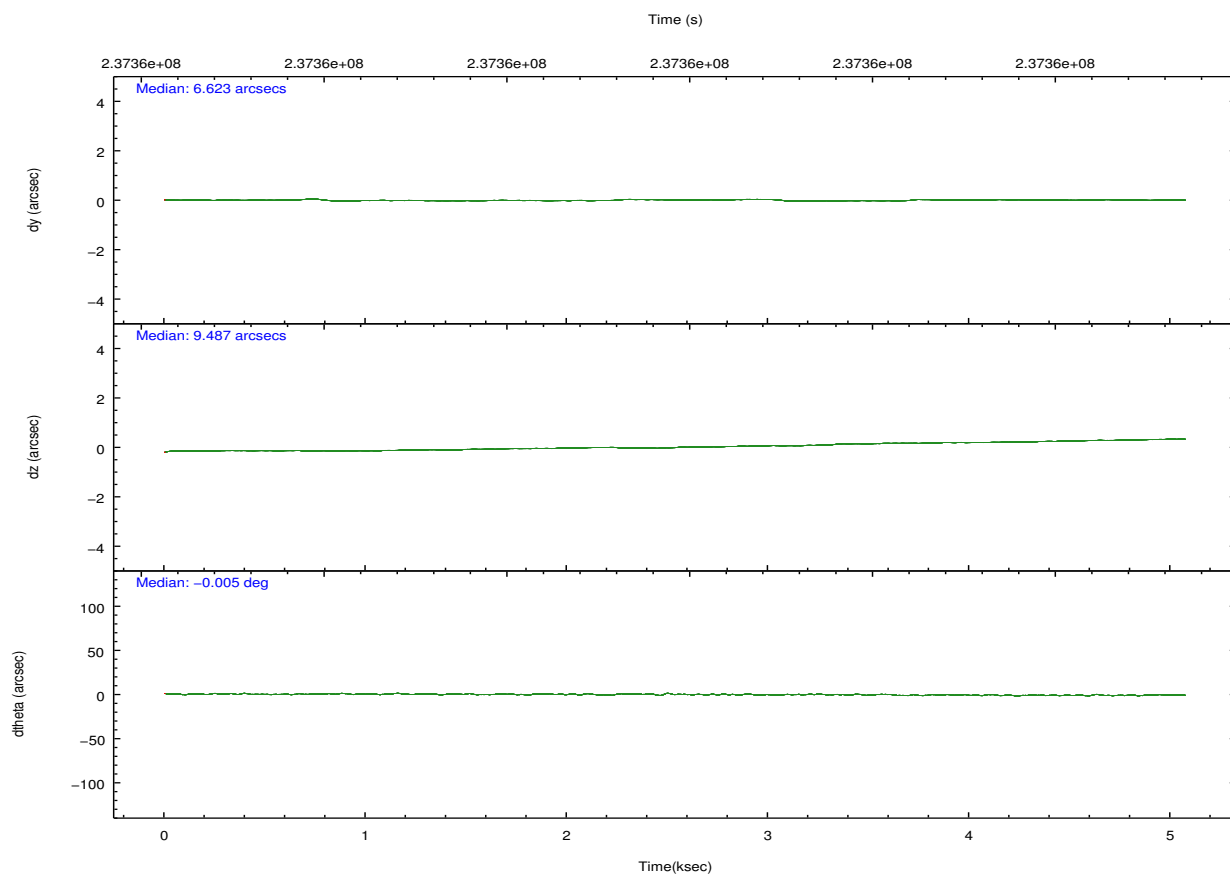
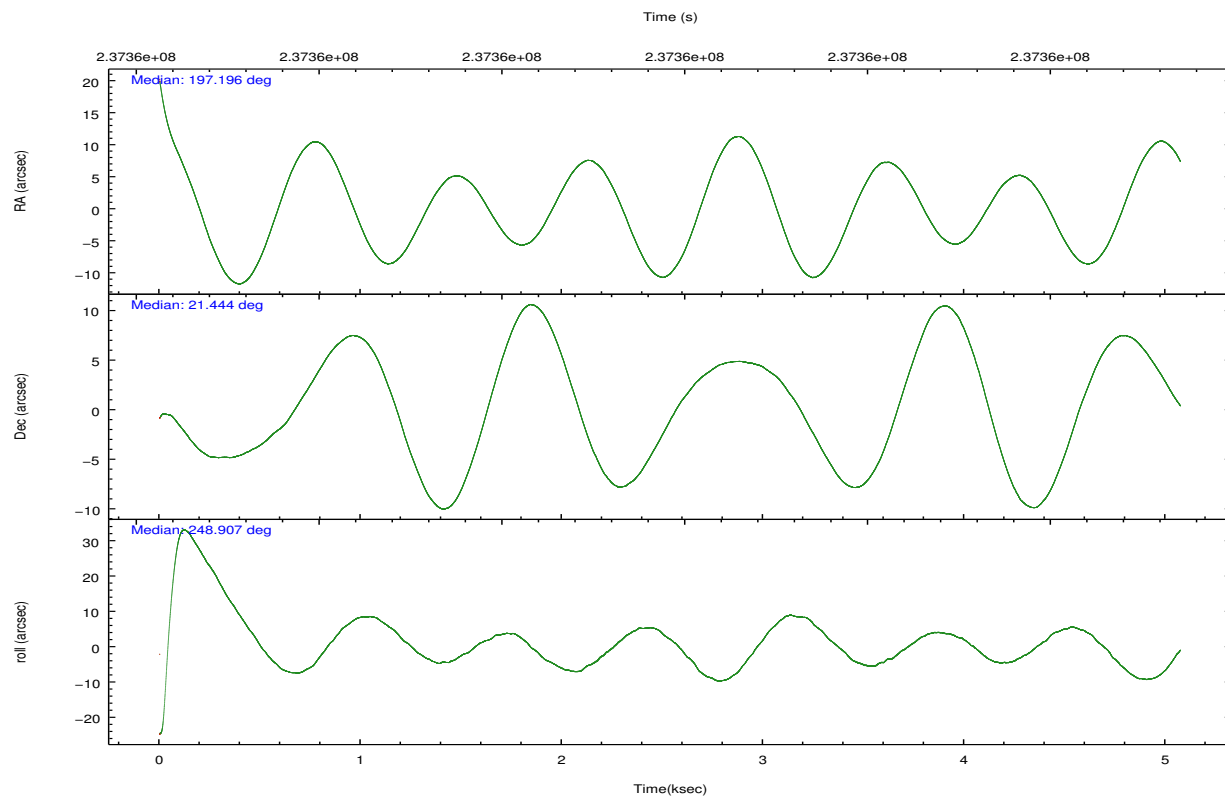


## 2.2 Compared Parameters

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	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	197.190951	197.1959539007902	Subarray requested	NONE	NONE
[deg] Pointing Dec	21.470459	21.44359243226354	Alternating exposures requested	N	N
[deg] Pointing Roll	248.753767	248.9083965492132	[s] Primary exposure time	0.000000	0
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	237360566.184000	237359397.67088			
Observation start date	2005-07-10T05:28:22	2005-07-10T05:09:57			
[s] Observation end time (MET)	237365463.184000	237365681.94616			
Observation end date	2005-07-10T06:49:59	2005-07-10T06:54:41			
Read mode	CONTINUOUS	CONTINUOUS			

## 2.3 Aspect



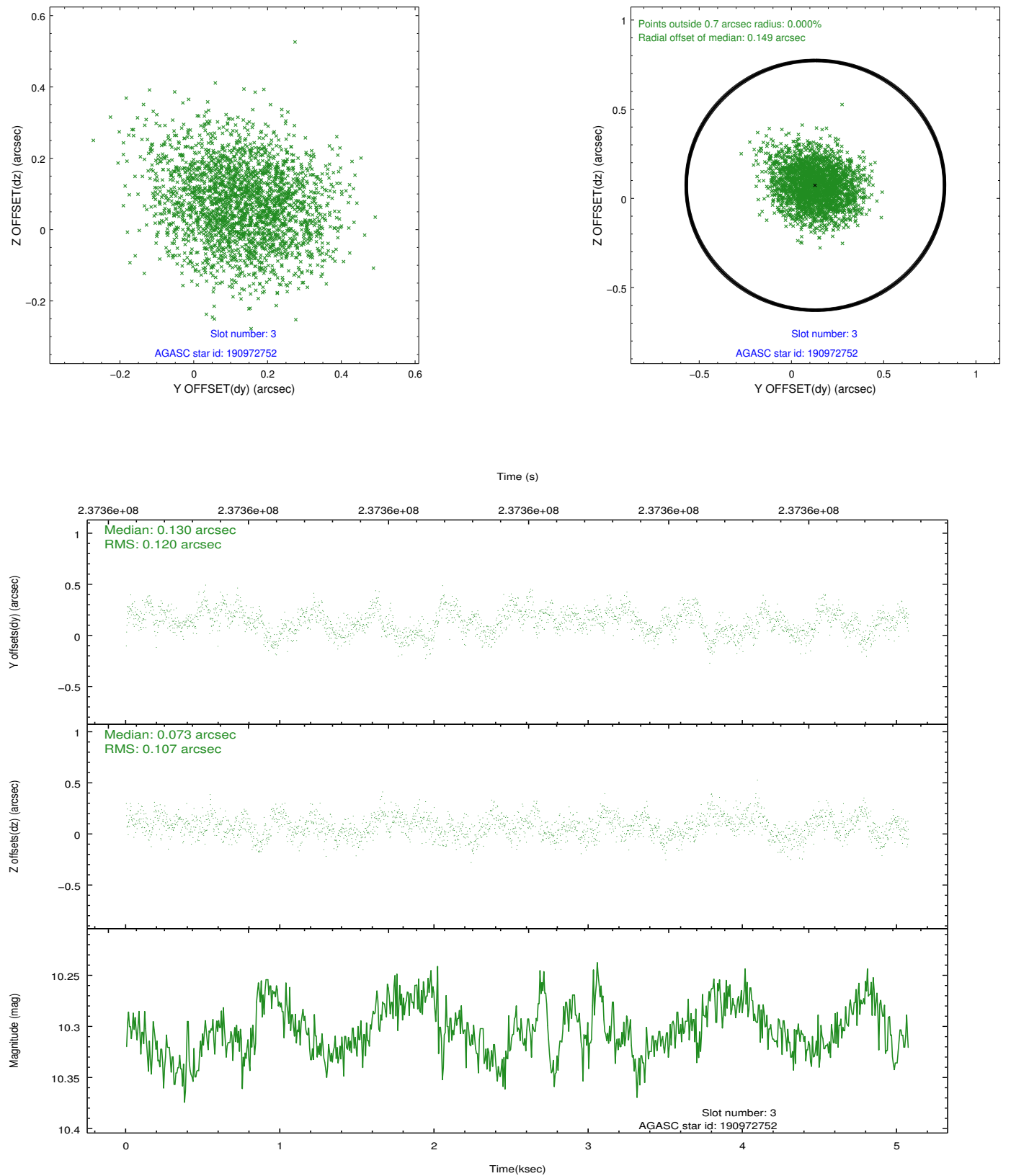


### Slot Statistics

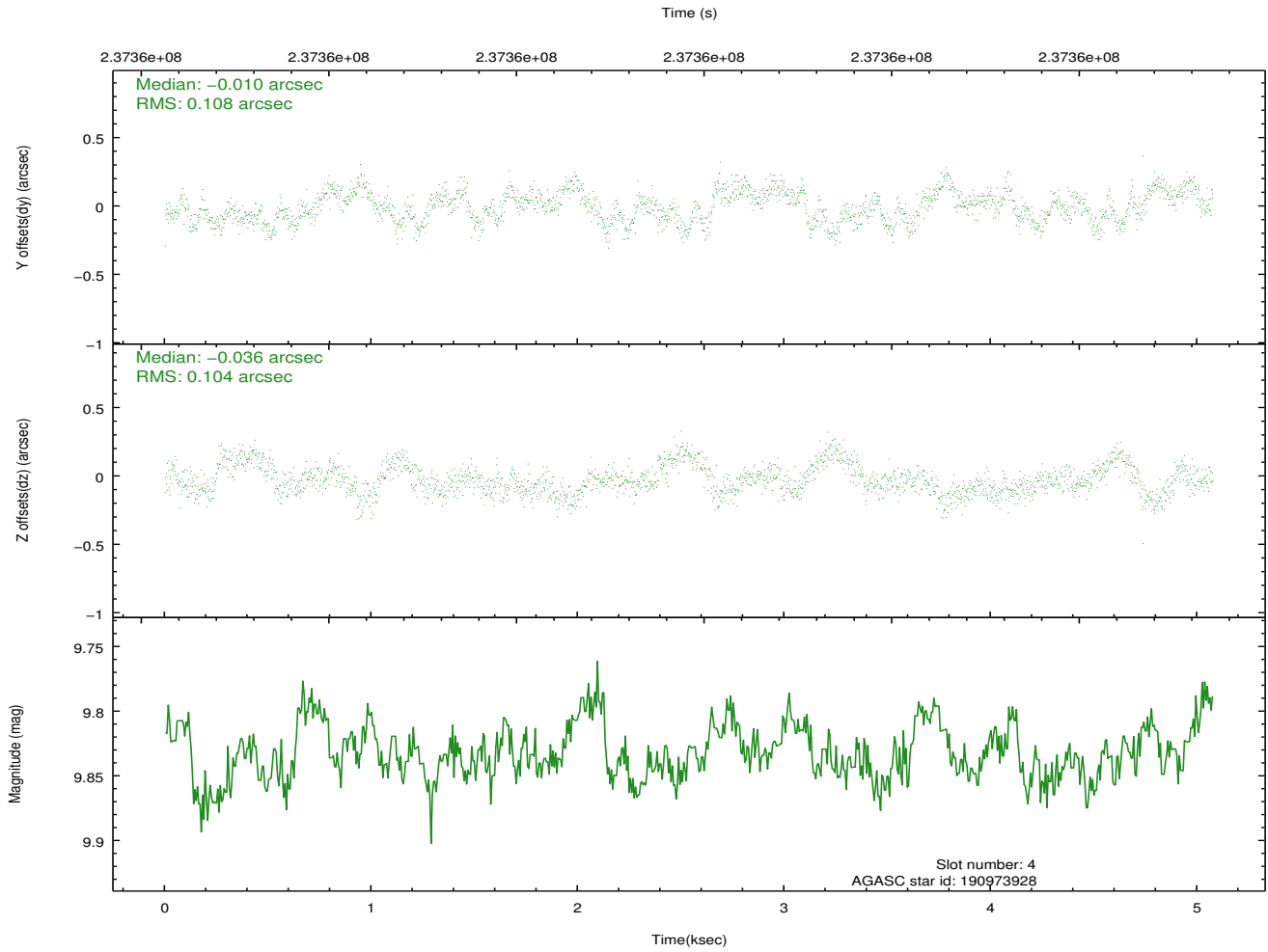
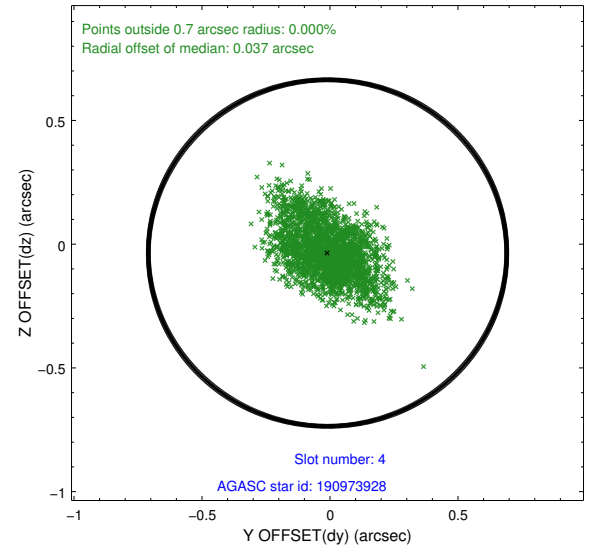
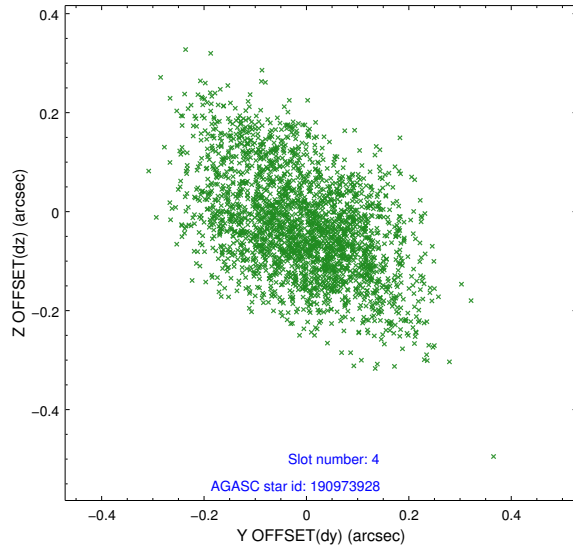
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1237	-0.059	-0.042	0.007	0.012	0.000000	0.000000	-759.40	-1730.76
1	FID	ACIS-S-4	7.21	1238	0.103	0.040	0.006	0.010	0.000000	0.000000	2153.47	176.61
2	FID	ACIS-S-5	7.23	1237	-0.074	0.011	0.009	0.014	0.000000	0.000000	-1810.74	171.56
3	GUIDE	190972752	10.30	2474	0.130	0.073	0.172	0.271	197.567107	21.351082	-57.80	1330.50
4	GUIDE	190973928	9.83	2472	-0.010	-0.036	0.160	0.262	197.904188	21.564389	-1185.66	2101.16
5	GUIDE	190979840	10.35	2470	0.094	-0.082	0.170	0.280	197.337465	20.846267	1915.14	1274.61
6	GUIDE	190974376	6.78	2476	-0.329	-0.004	0.057	0.108	197.884749	21.918670	-2347.90	1573.52
7	GUIDE	190977688	7.91	2475	0.112	0.040	0.071	0.125	197.454100	20.653773	2417.69	1891.97

## 2.4 Star Slots

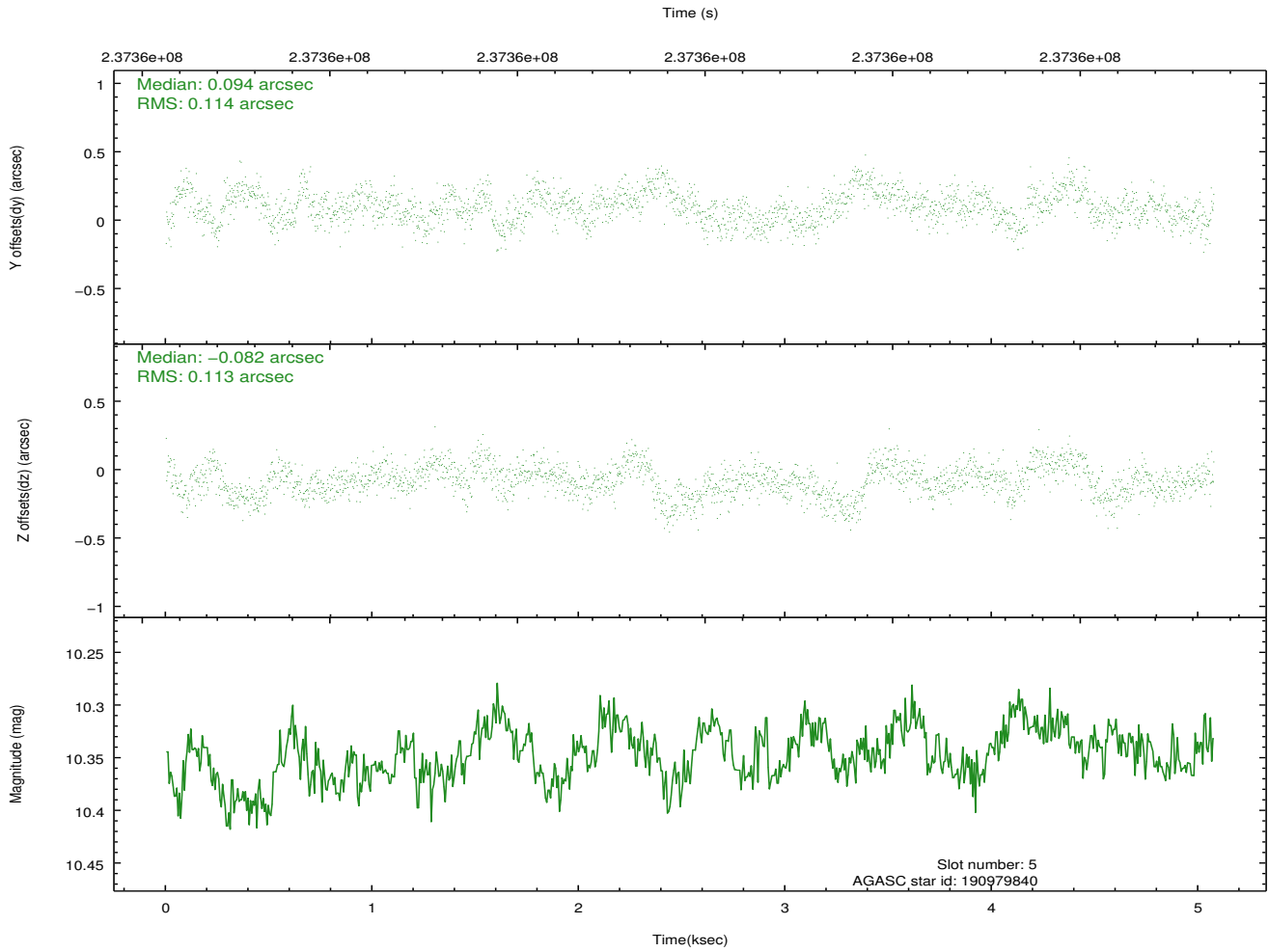
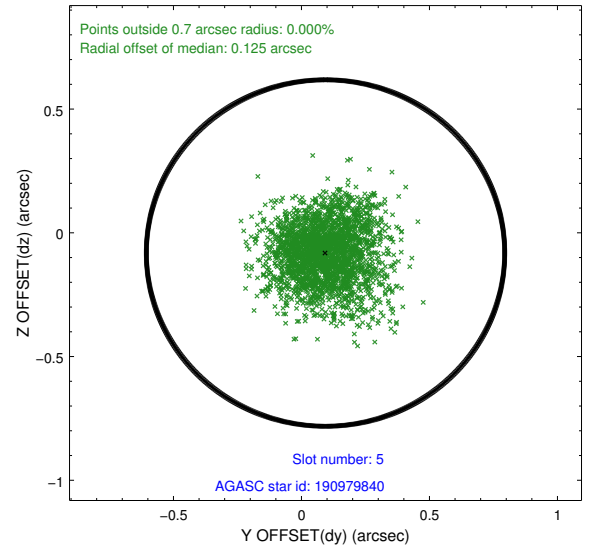
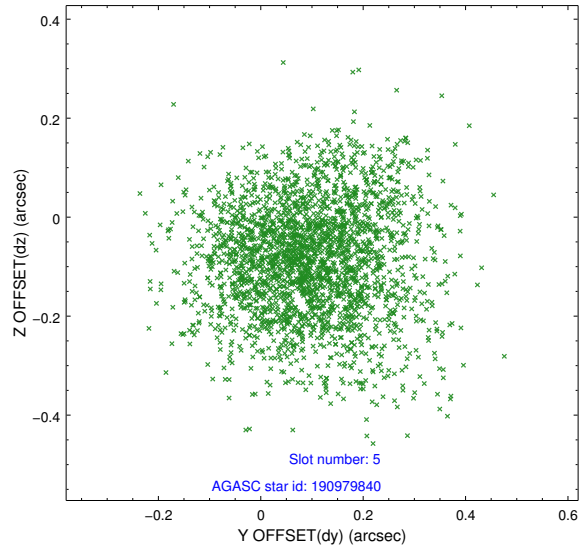
### 2.4.1 Slot 3



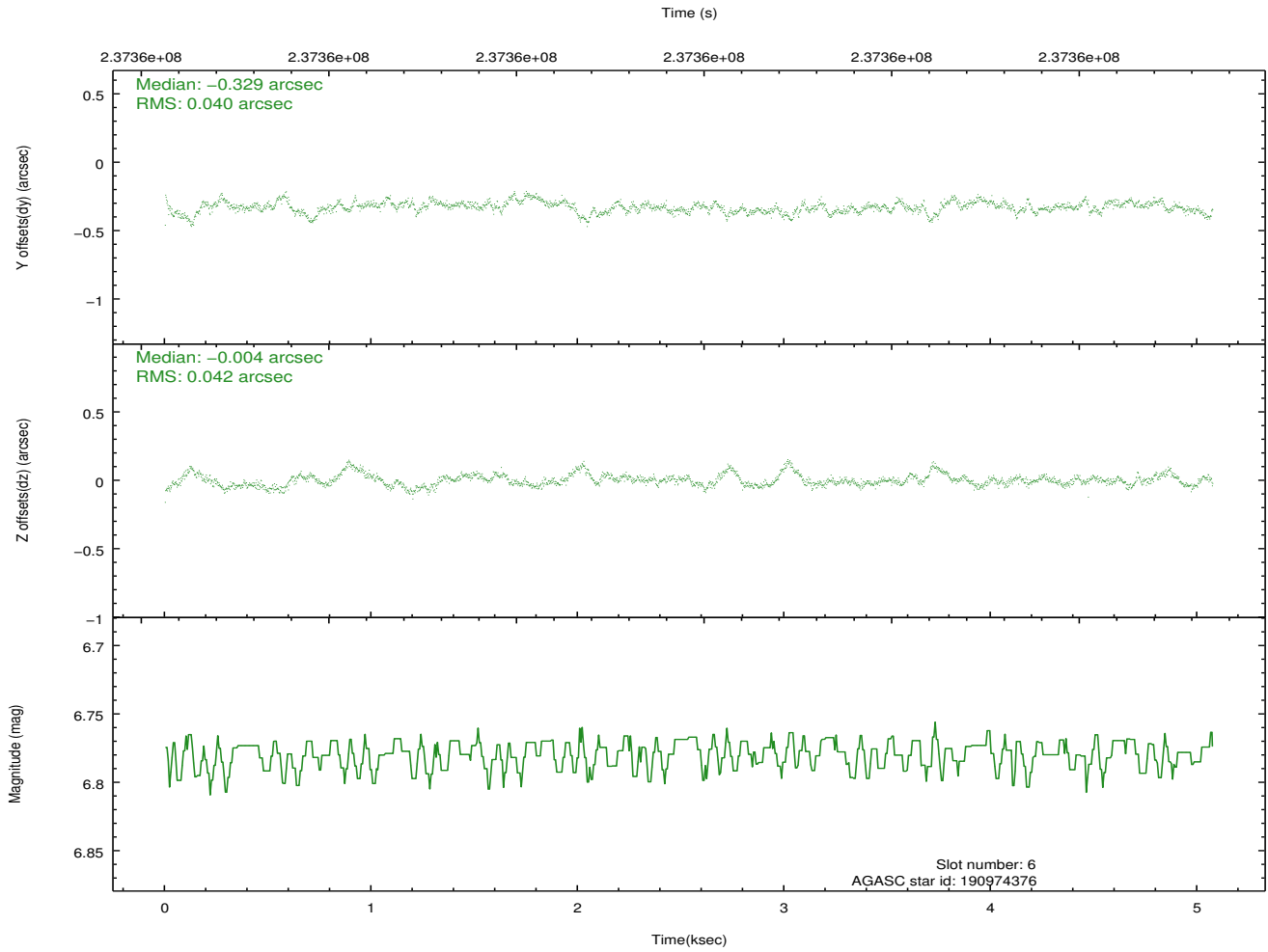
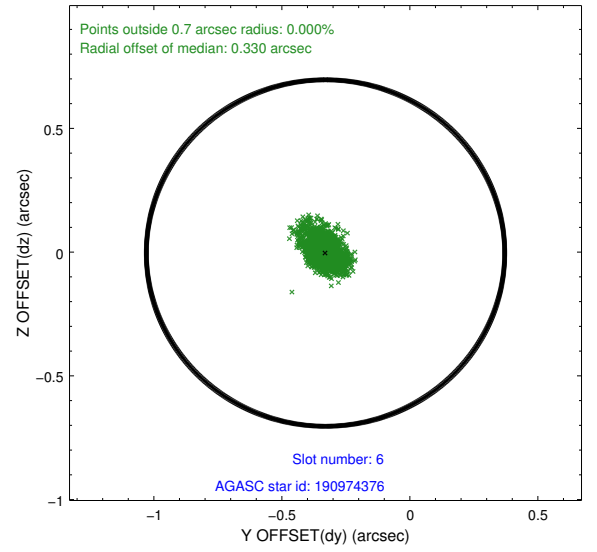
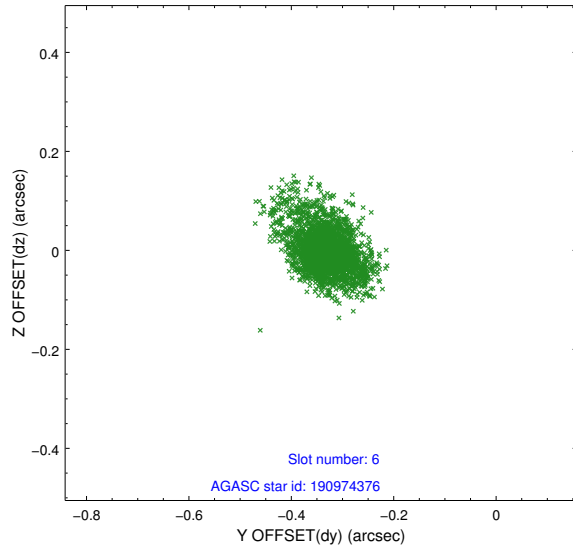
## 2.4.2 Slot 4



### 2.4.3 Slot 5

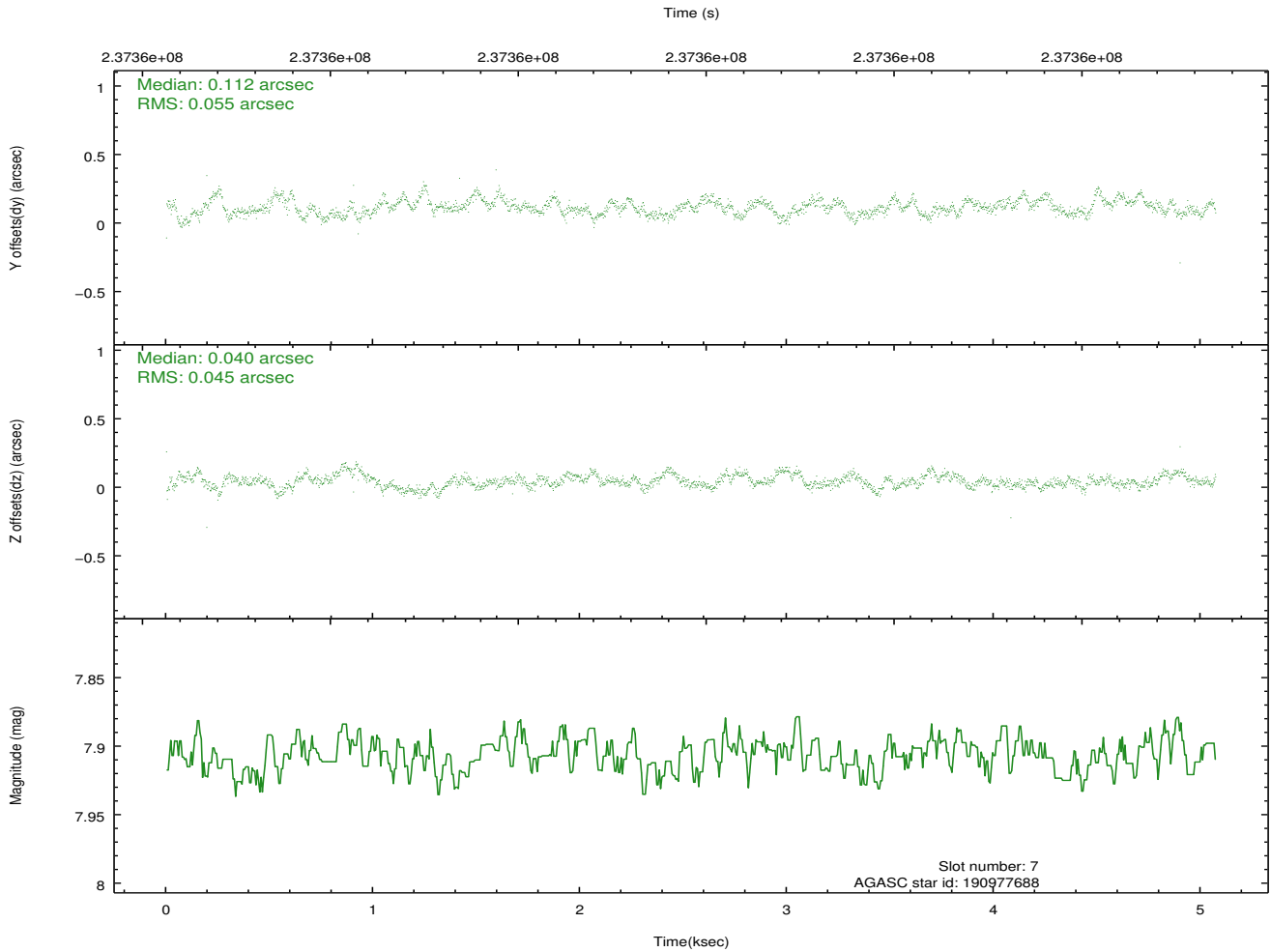
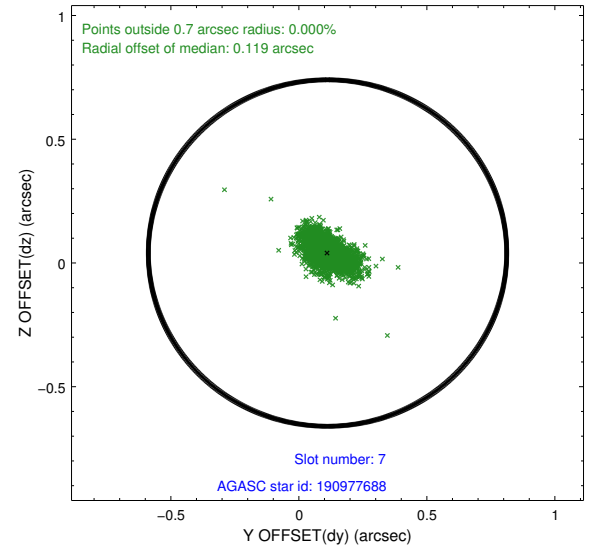
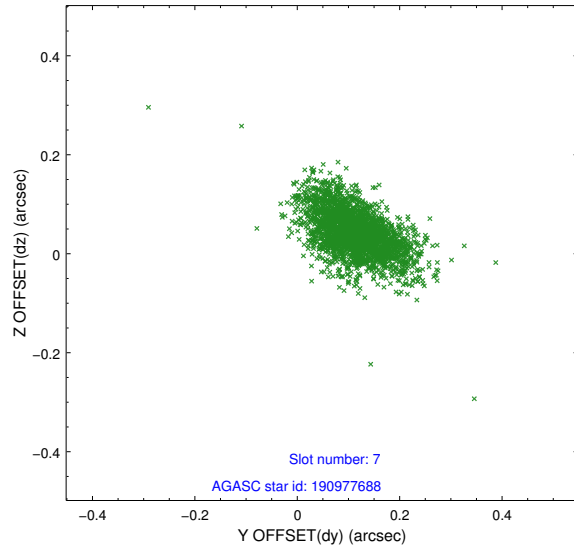


## 2.4.4 Slot 6



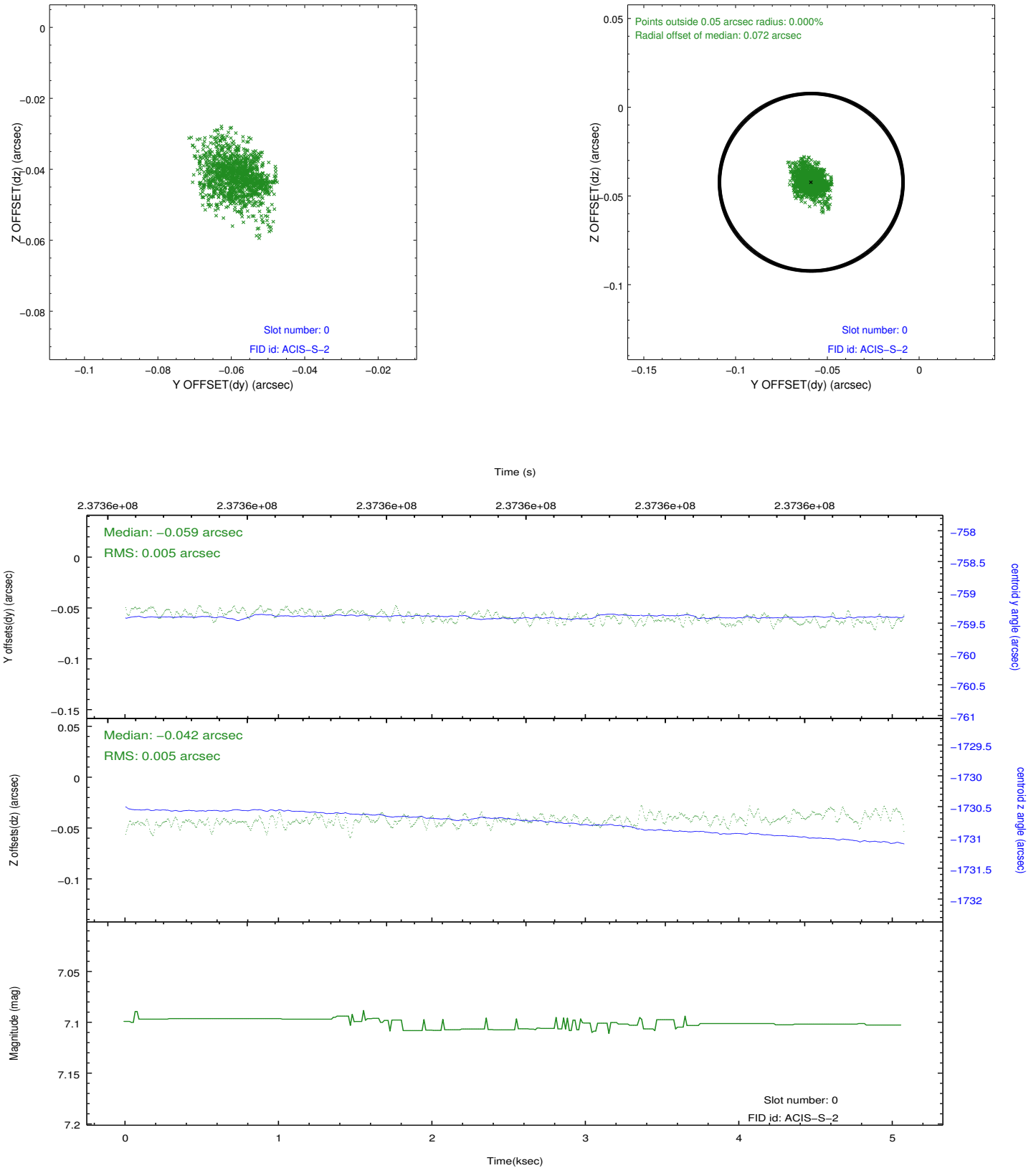


## 2.4.5 Slot 7

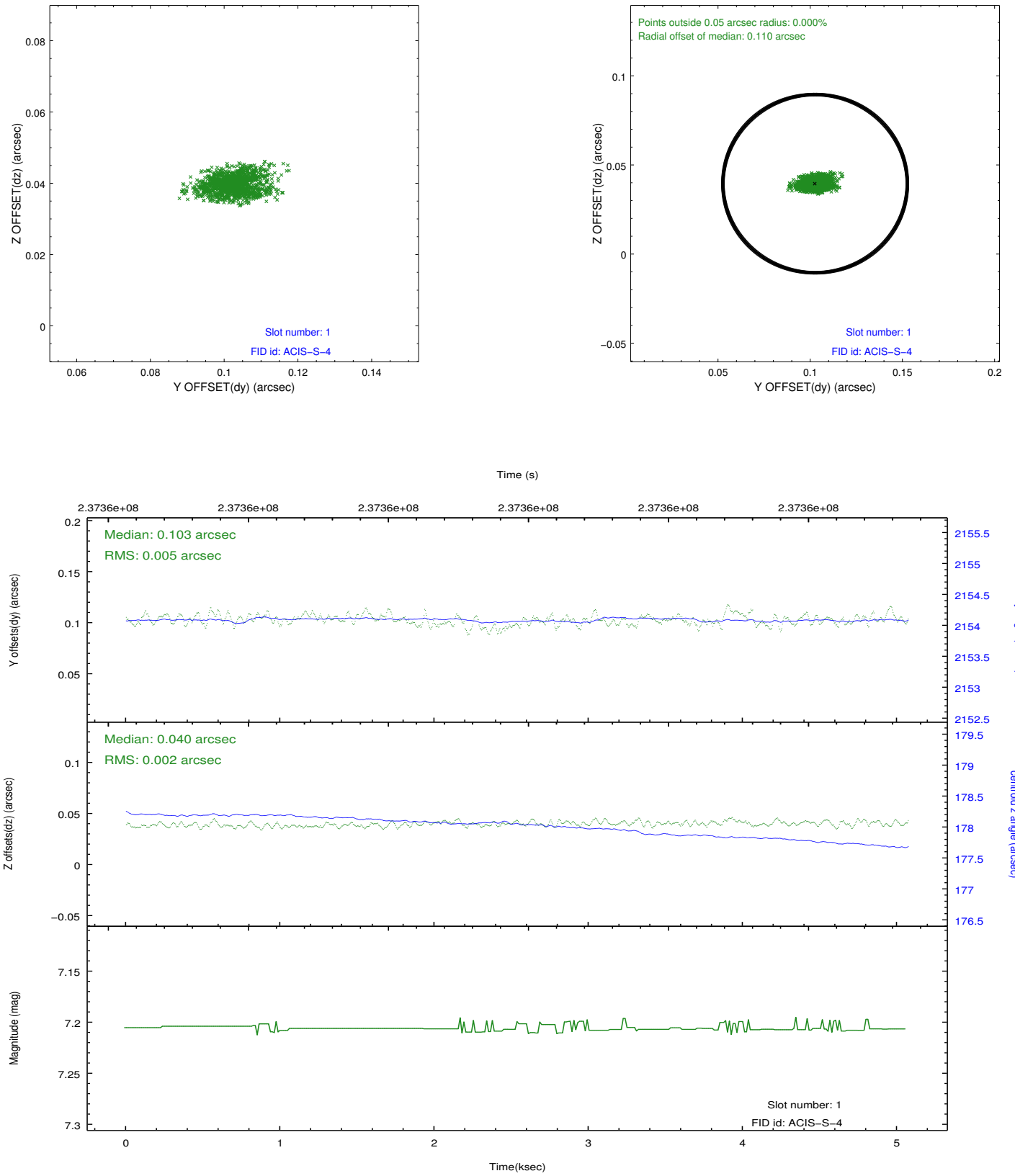


## 2.5 FID Slots

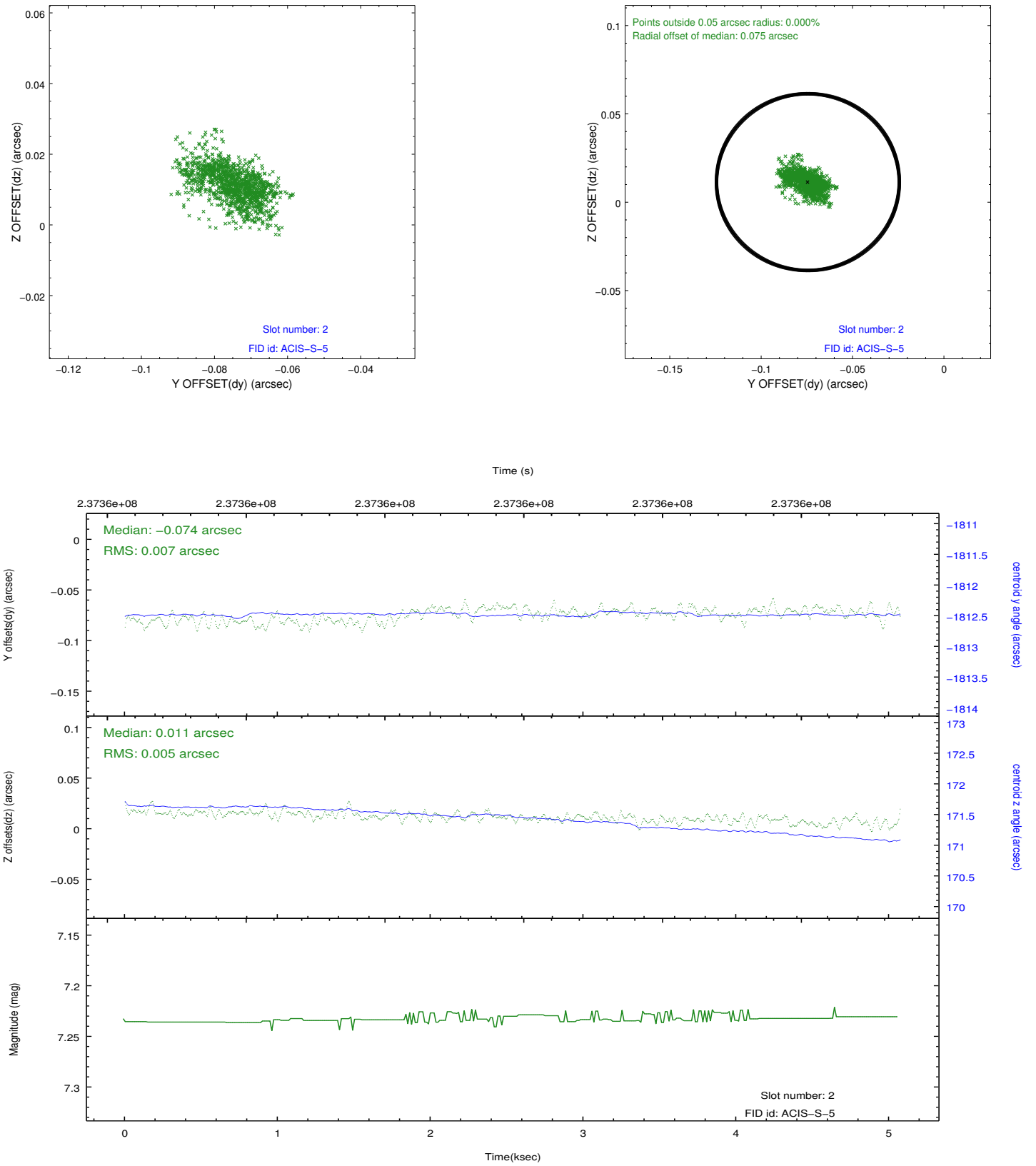
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.06825

### A.2 Comments