

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 12334 - L2 Version 3  
Chandra X-Ray Center

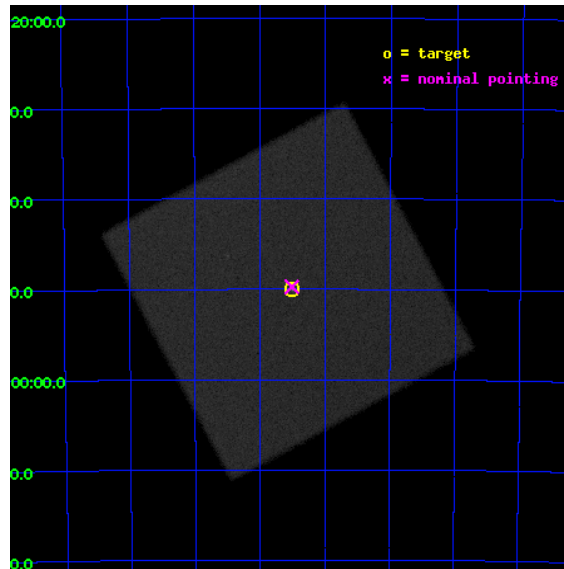
L2 Processing Date : Jul 28 2012

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# 1 Front

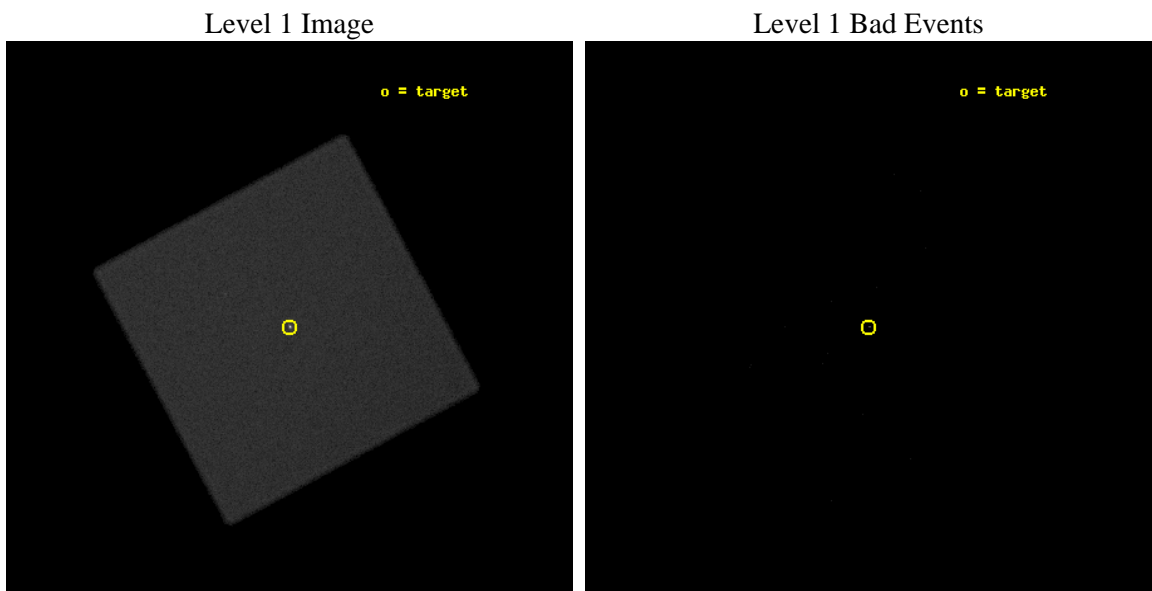
seq_num	200670	Sequence number
obs_id	12334	Observation id
title	Alpha Cen to the Max	Proposal title
observer	Dr. Thomas Ayres	Principal investigator
object	Alpha Centauri	Source name
ra_targ	219.876667	Observer's specified target RA [deg]
dec_targ	-60.833222	Observer's specified target Dec [deg]
ra_nom	219.8772595474	Nominal RA [deg]
dec_nom	-60.828956535216	Nominal Dec [deg]
roll_nom	106.80902287221	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10173.125537455	[s]
livetime	10072.084701652	Ontime multiplied by DTCOR
l2events	734235	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10173.125537455	[s]
caldbver	4.5.1	&#160	l1events	1073967	Number of level 1 events
date	2012-07-28T06:33:50	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

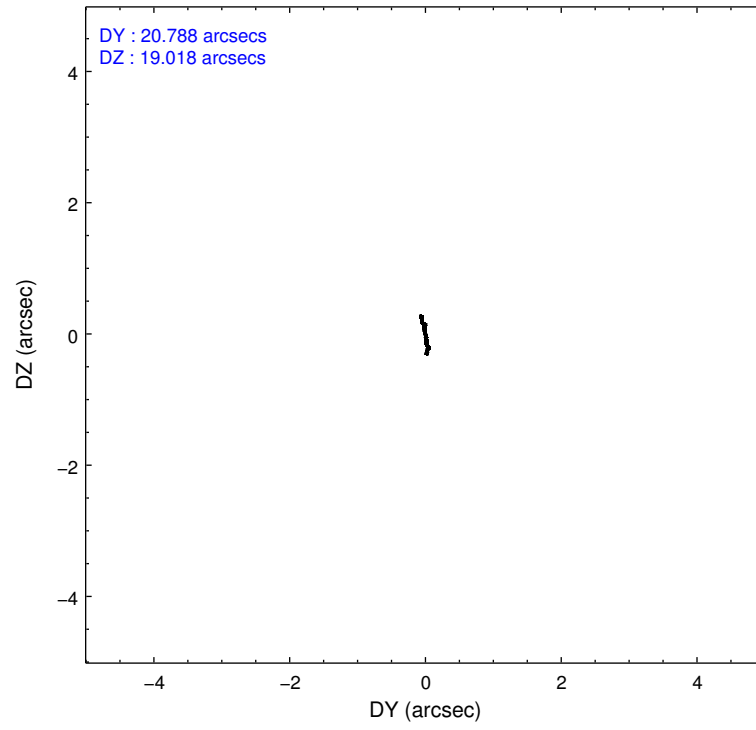
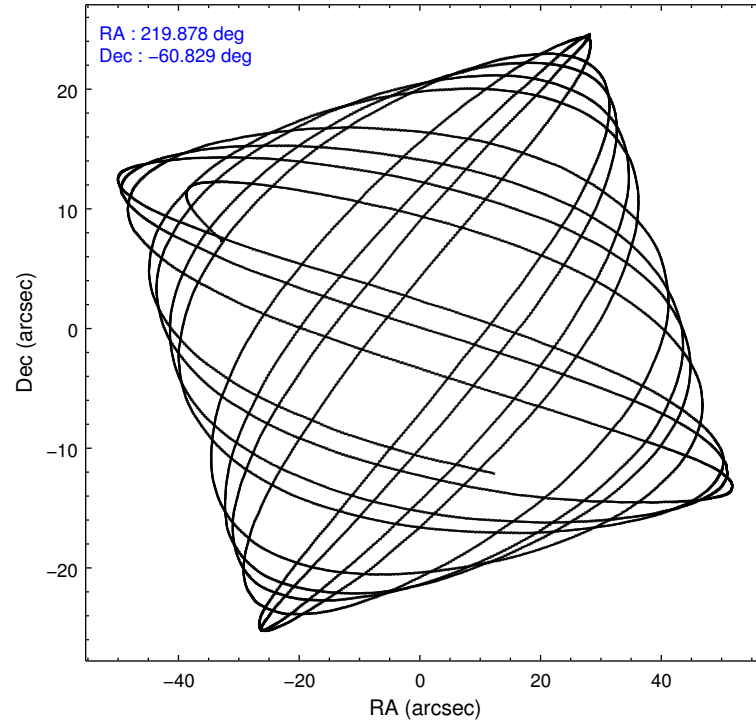
	<b>segment 0</b>
level 1 events	1073967
rejected events	68469
rejected %	6%

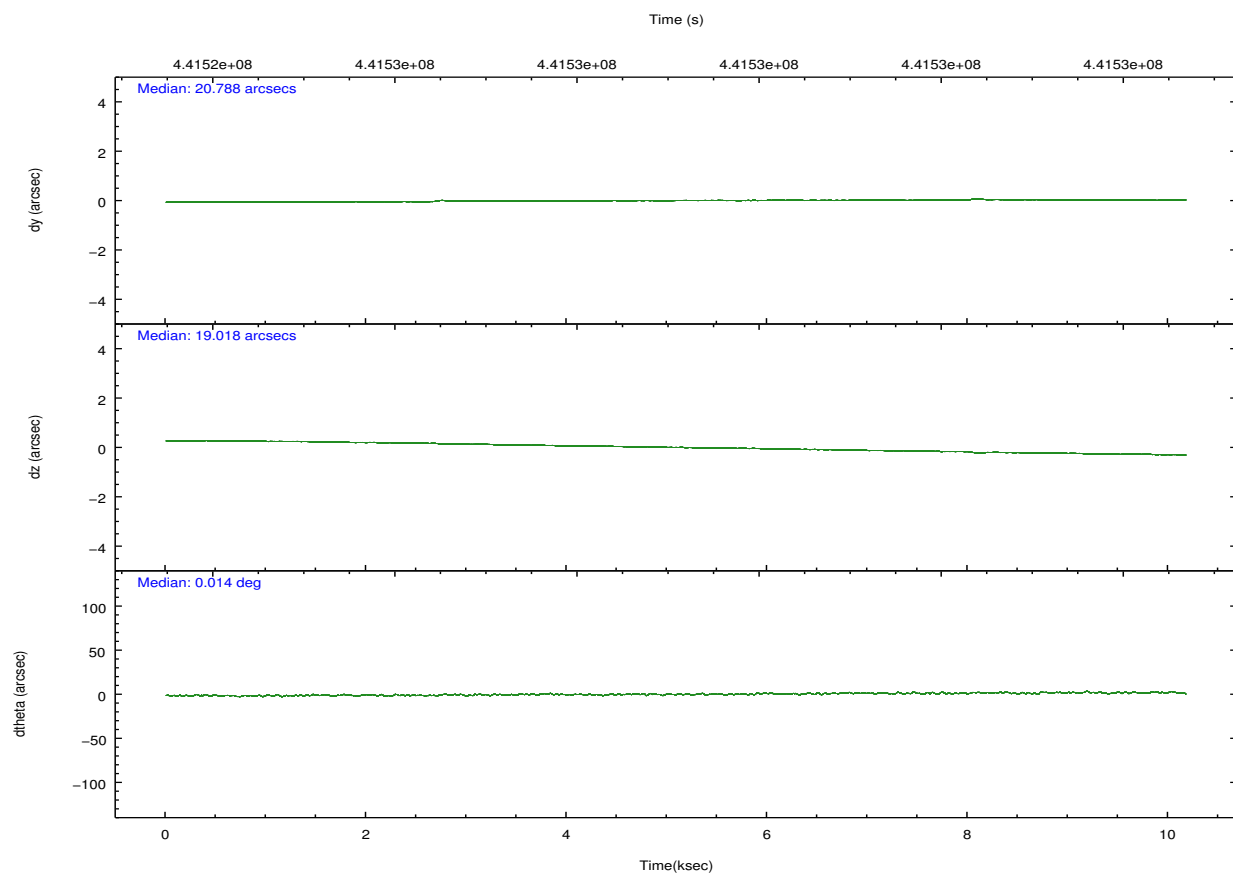
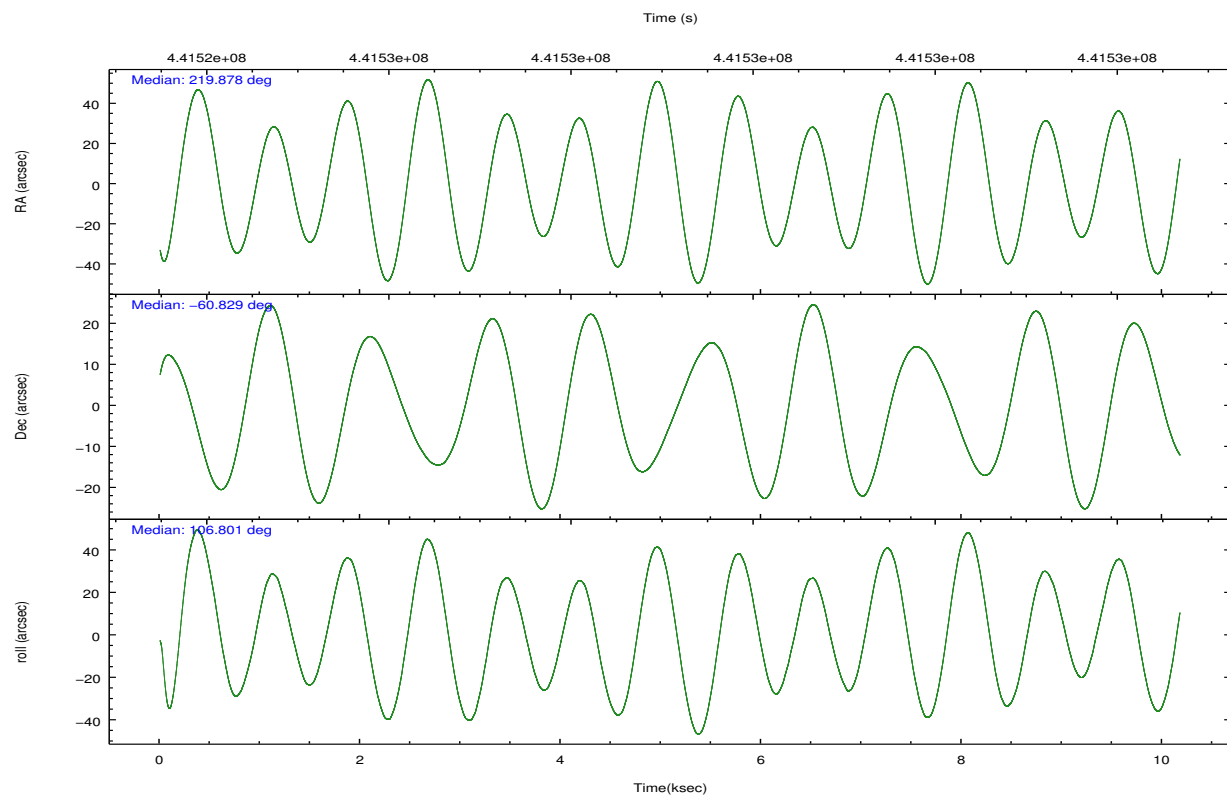


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	219.918984	219.8772595474013			
[deg] Pointing Dec	-60.847150	-60.82895653521606			
[deg] Pointing Roll	106.940900	106.8090228722106			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	441524185.184000	441523351.30815			
Observation start date	2011-12-29T05:35:19	2011-12-29T05:22:31			
[s] Observation end time (MET)	441534185.184000	441535183.39627			
Observation end date	2011-12-29T08:21:59	2011-12-29T08:39:43			

## 2.3 Aspect



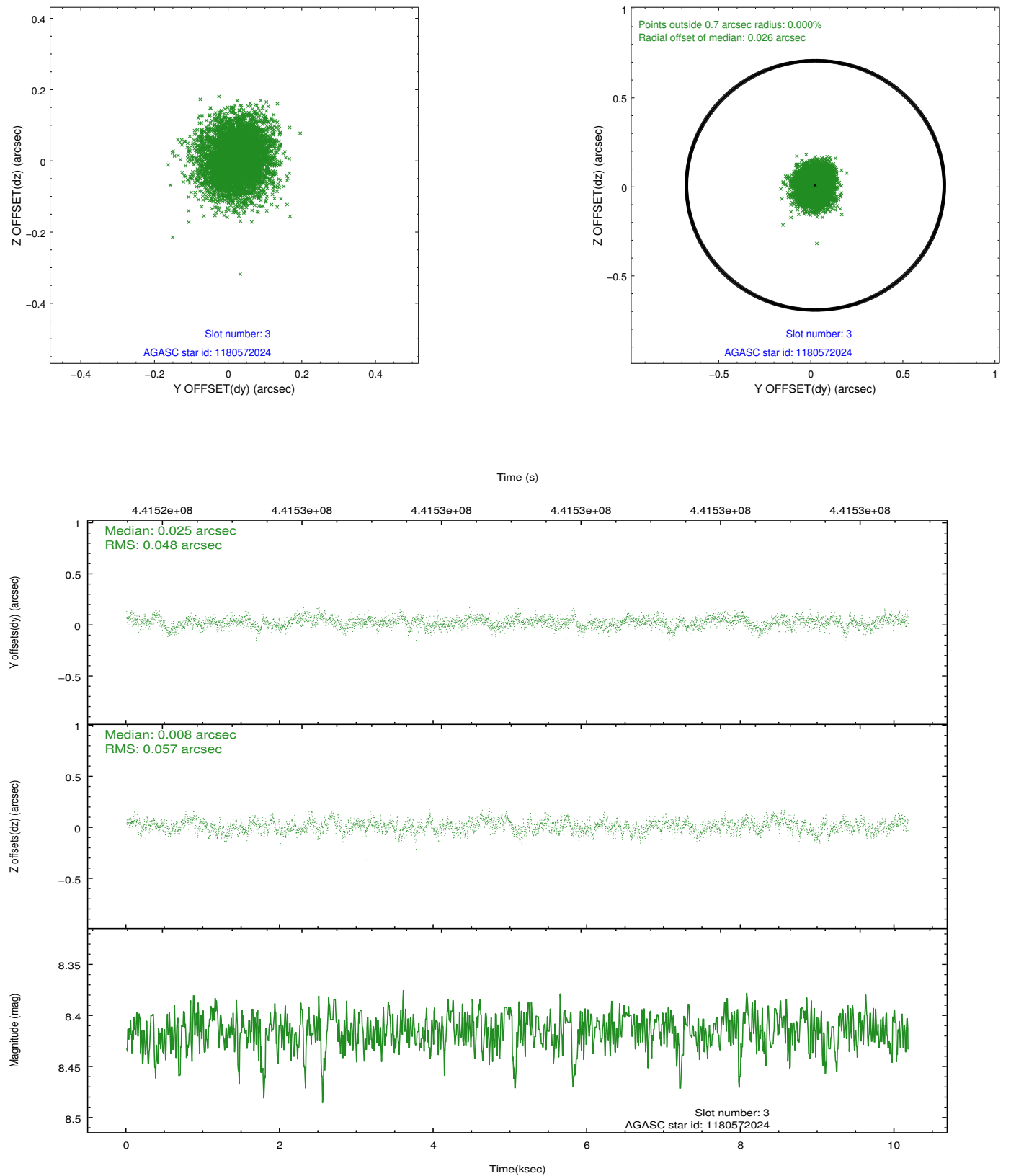


### Slot Statistics

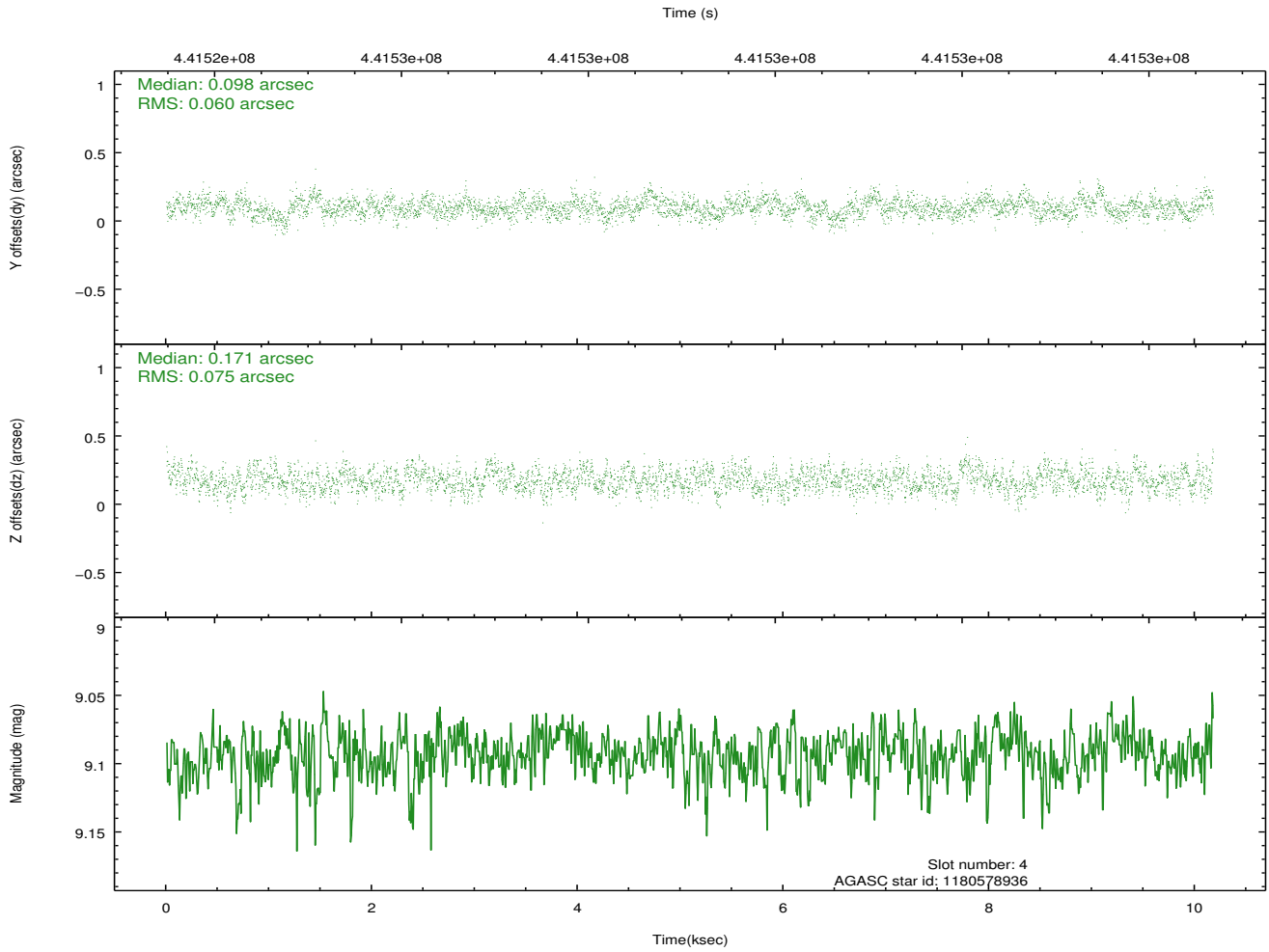
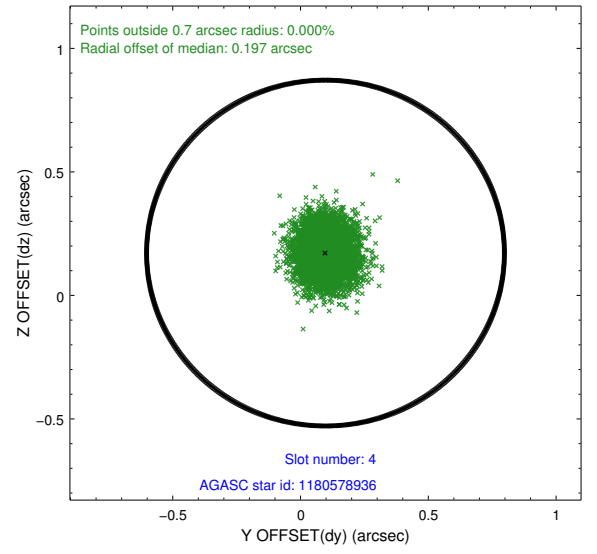
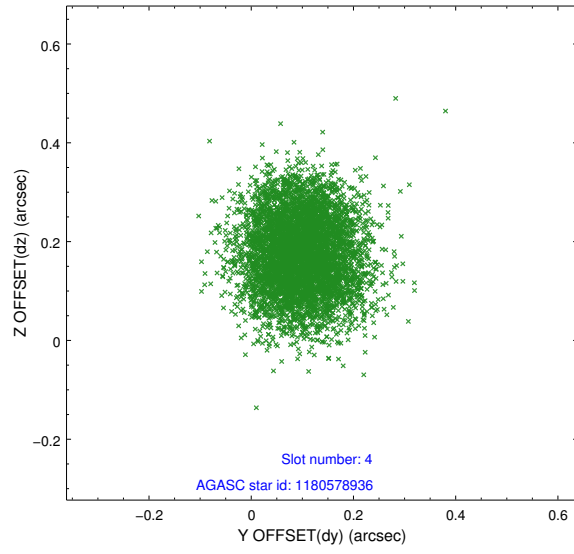
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.02	2482	-0.181	-0.122	0.010	0.017	0.000000	0.000000	-777.05	-1307.26
1	FID	HRC-I-2	7.06	2482	0.178	-0.047	0.009	0.016	0.000000	0.000000	835.63	-1309.44
2	FID	HRC-I-4	7.03	2482	0.119	0.077	0.008	0.014	0.000000	0.000000	1266.60	994.38
3	GUIDE	1180572024	8.41	4963	0.025	0.008	0.080	0.129	220.930377	-60.981487	-989.92	-1544.42
4	GUIDE	1180578936	9.09	4957	0.098	0.171	0.102	0.162	220.919358	-61.155393	-1580.24	-1334.78
5	GUIDE	1180589152	9.27	4959	0.009	-0.347	0.113	0.184	219.760705	-61.382926	-1766.21	822.70
6	GUIDE	1180603392	9.23	4951	0.069	0.190	0.131	0.203	221.526441	-61.206550	-2082.56	-2278.61
7	GUIDE	1180612104	8.99	4958	-0.202	-0.022	0.094	0.151	220.502279	-60.631704	437.20	-1209.83

## 2.4 Star Slots

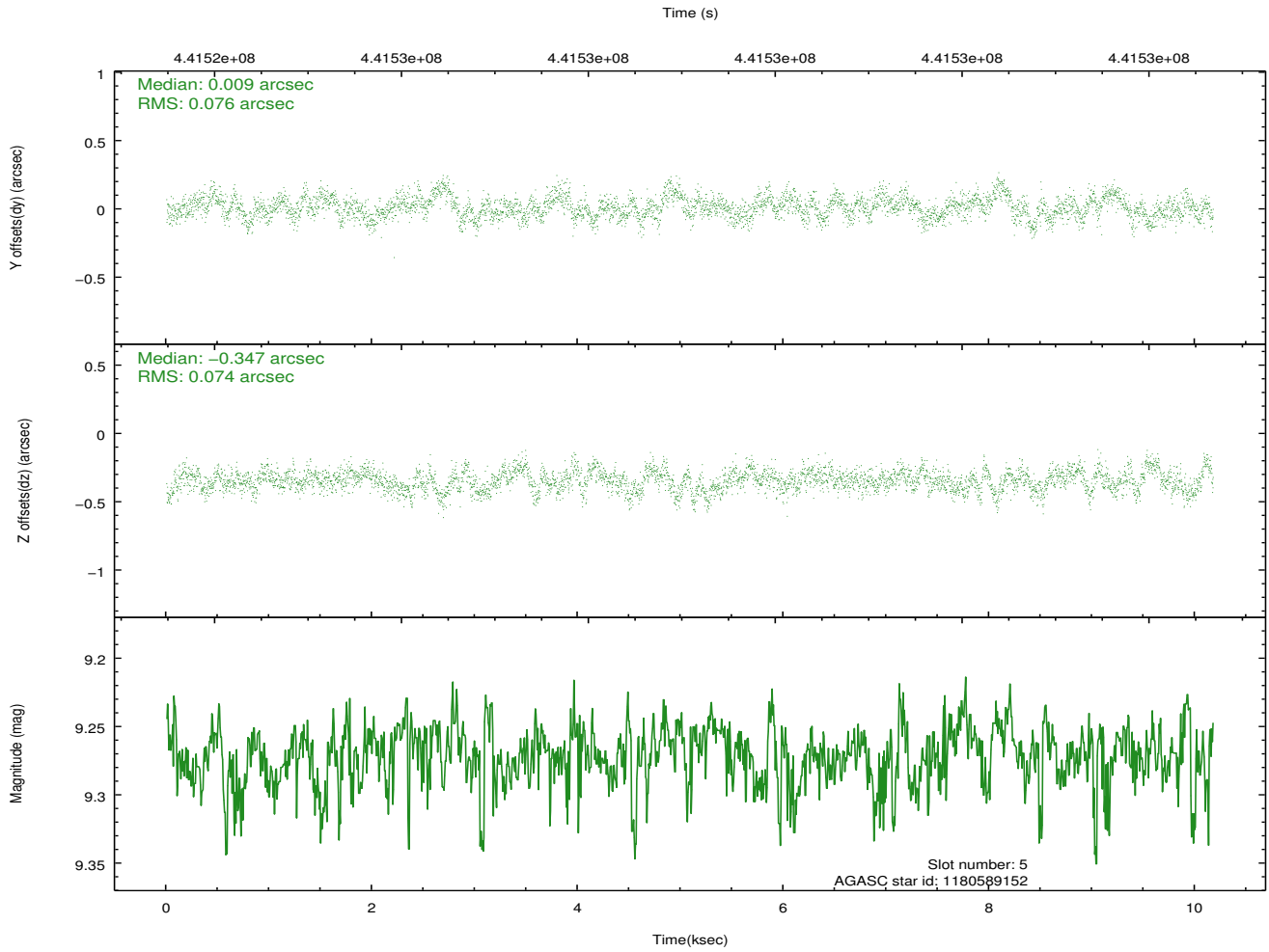
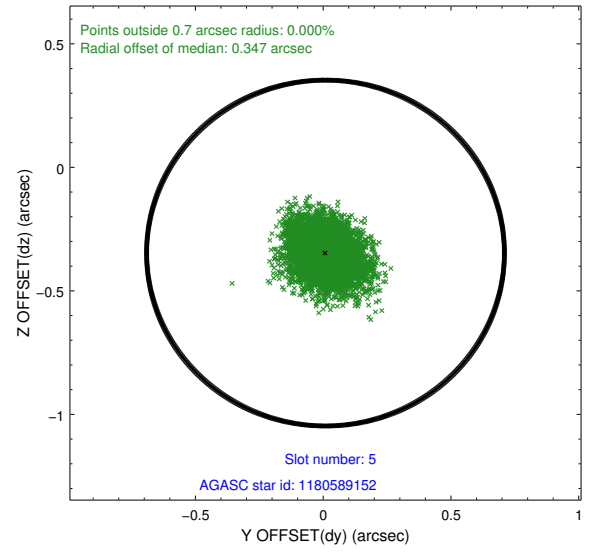
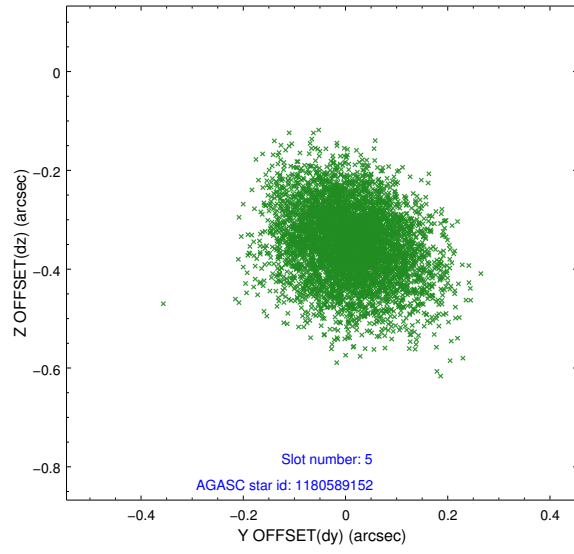
### 2.4.1 Slot 3



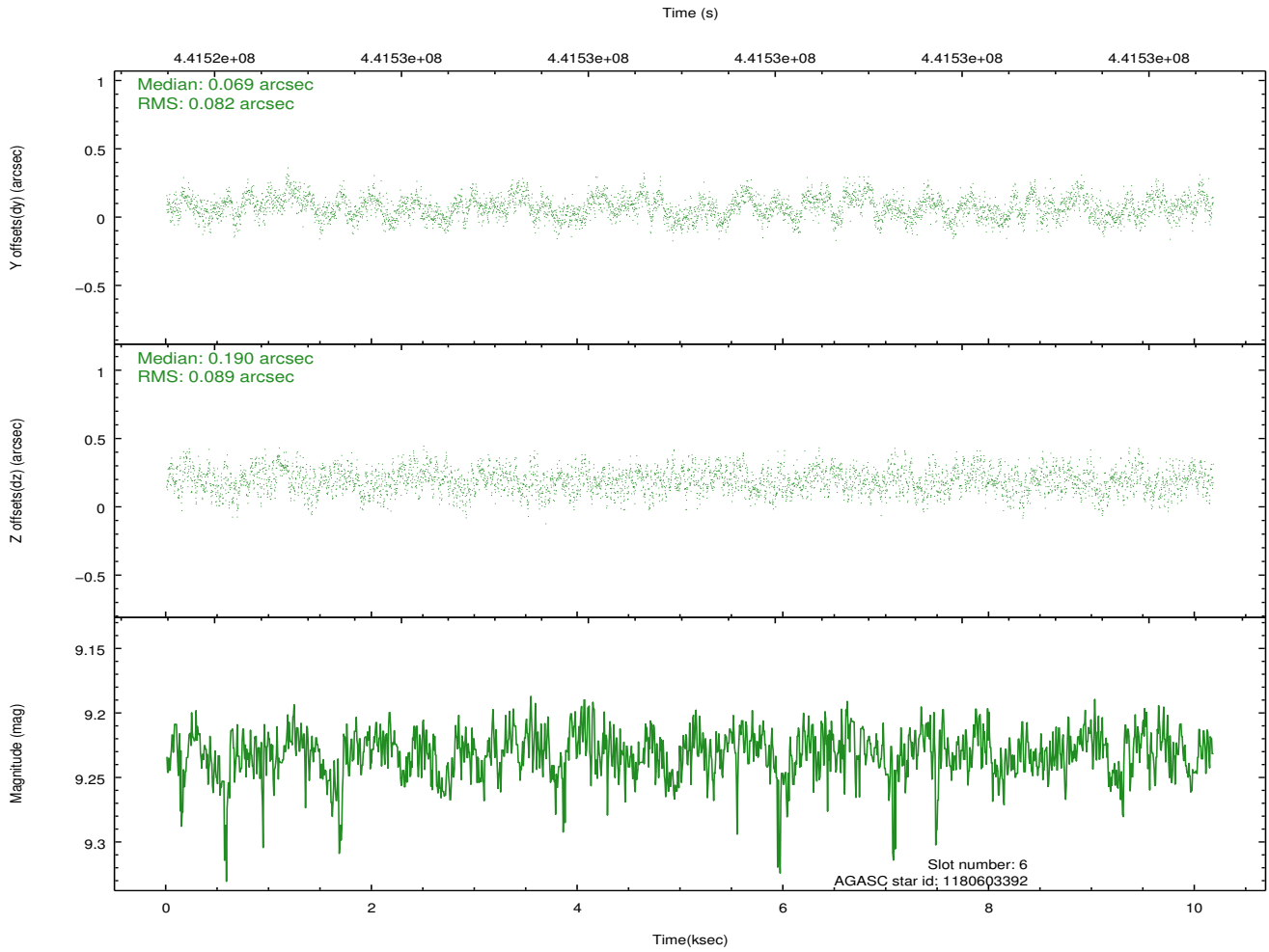
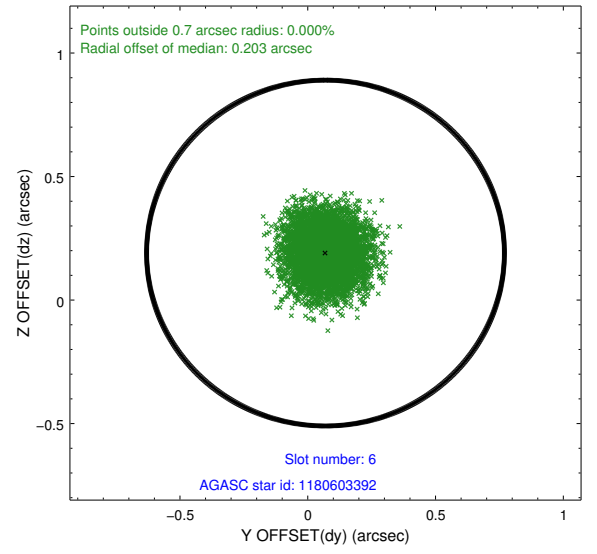
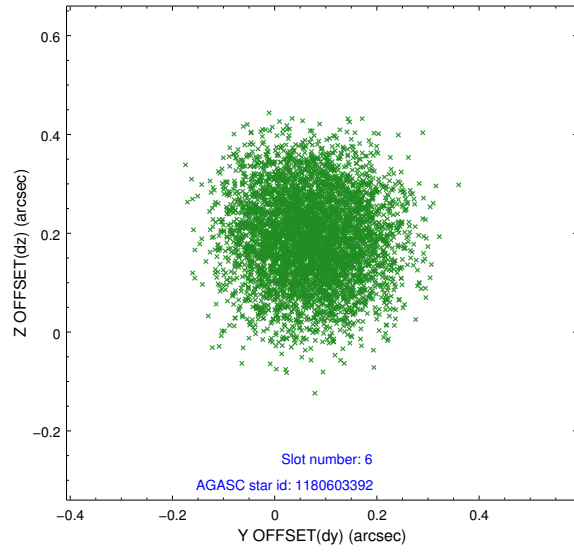
## 2.4.2 Slot 4



### 2.4.3 Slot 5

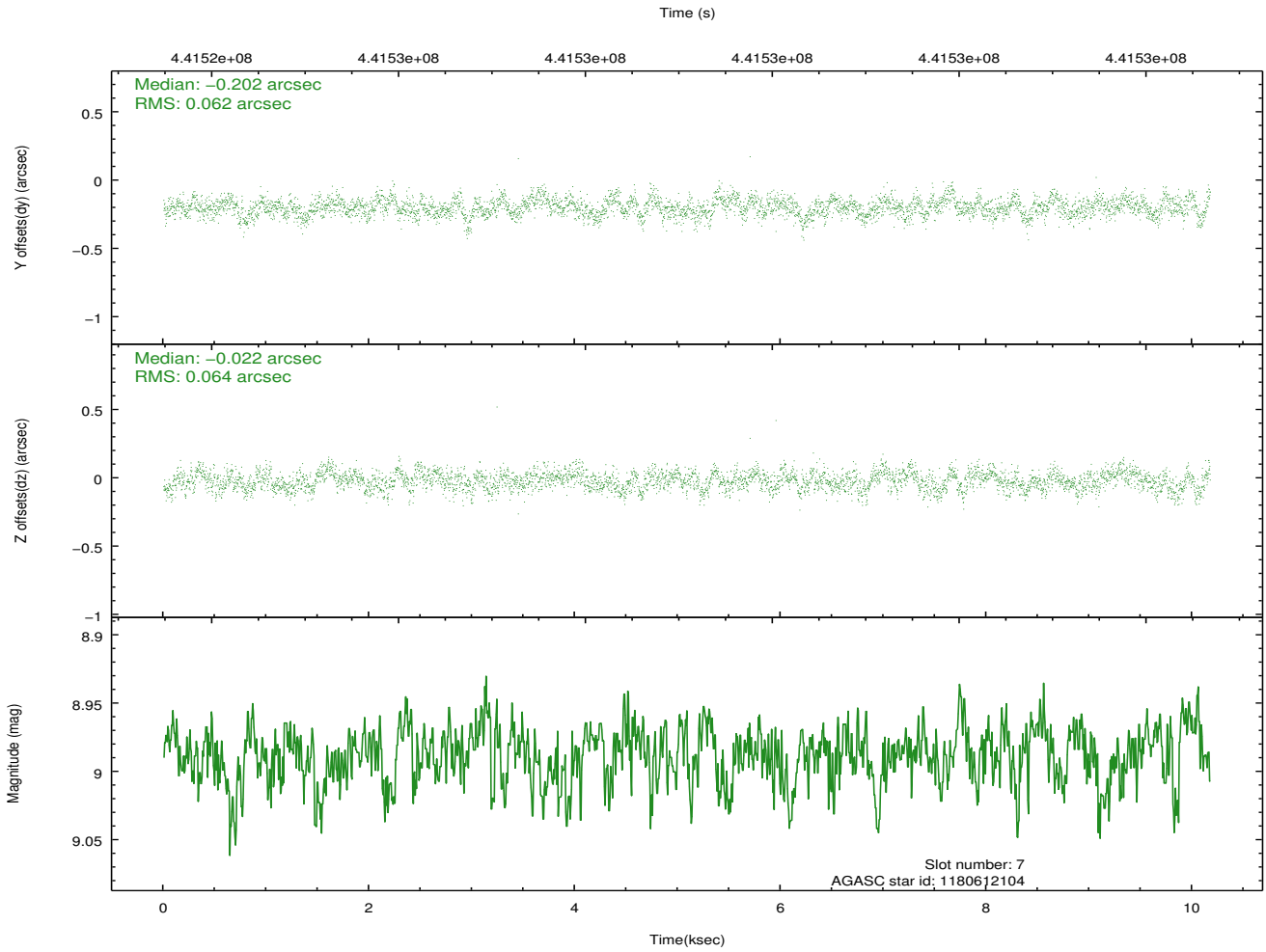
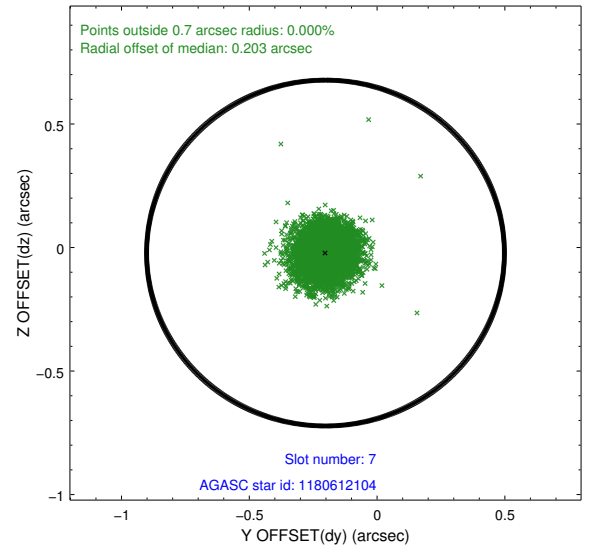
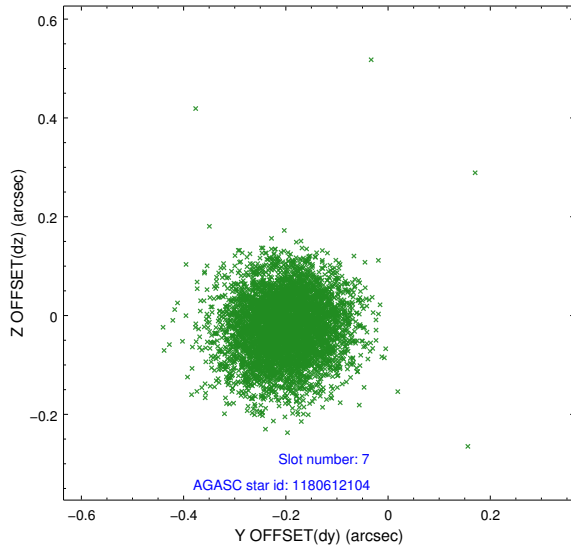


## 2.4.4 Slot 6



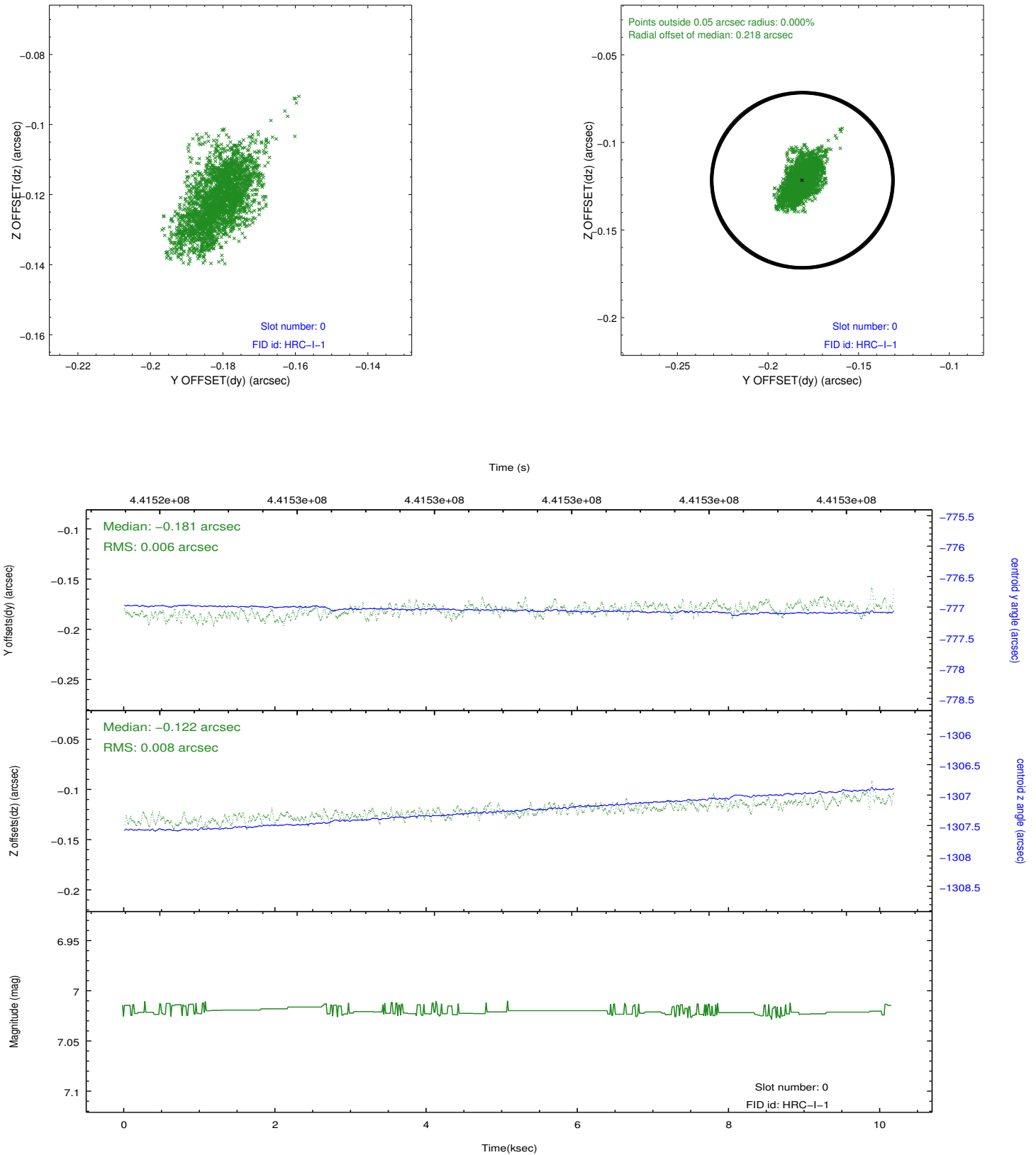


### 2.4.5 Slot 7

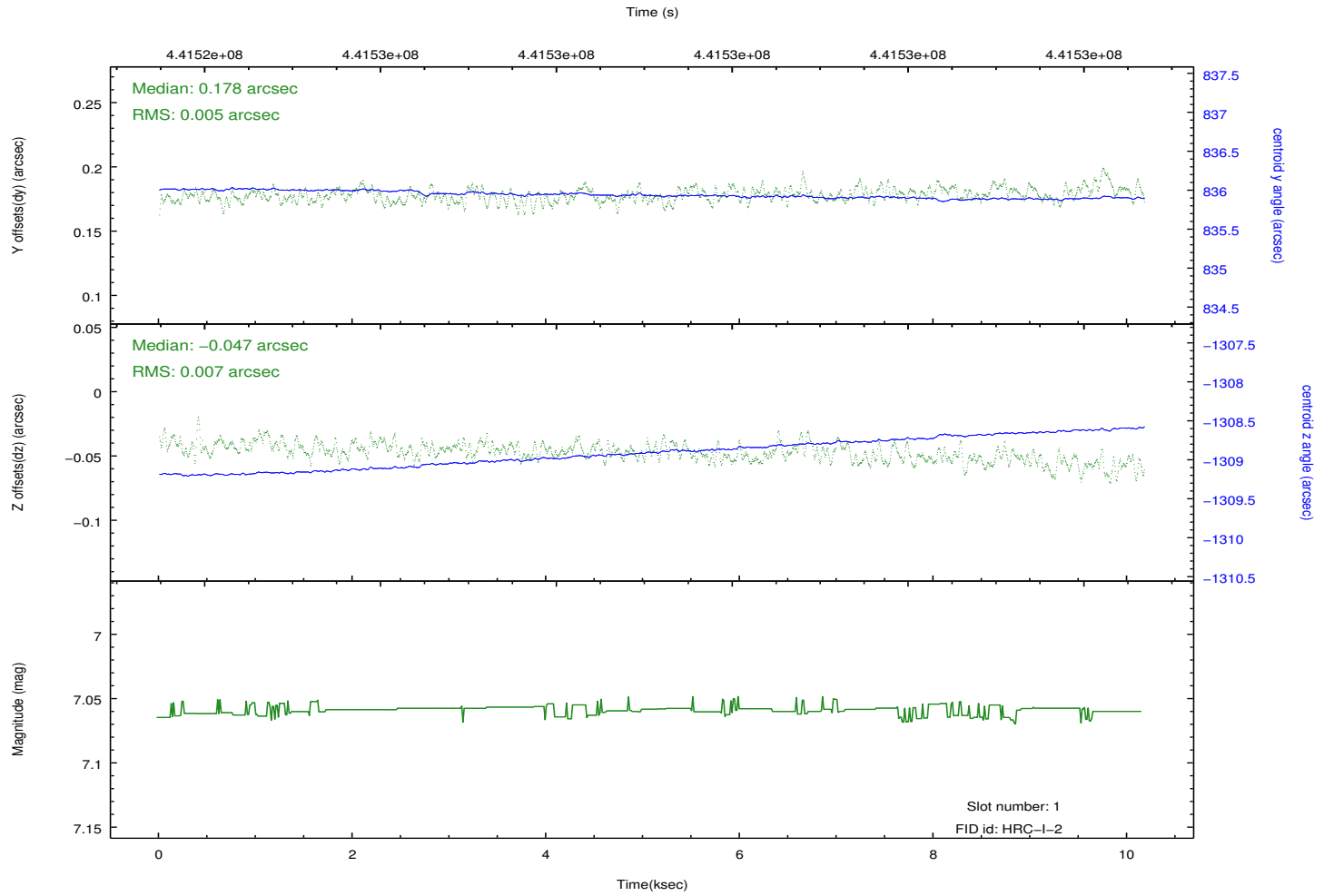
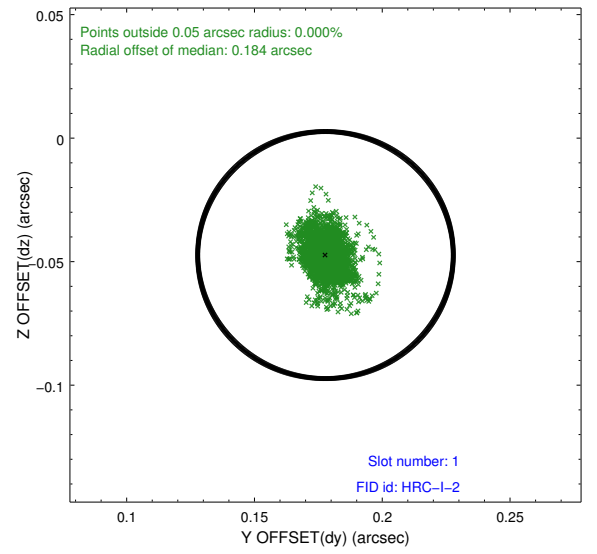
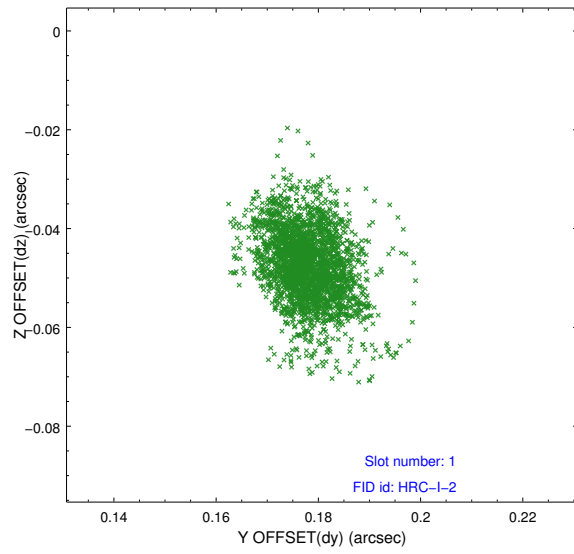


## 2.5 FID Slots

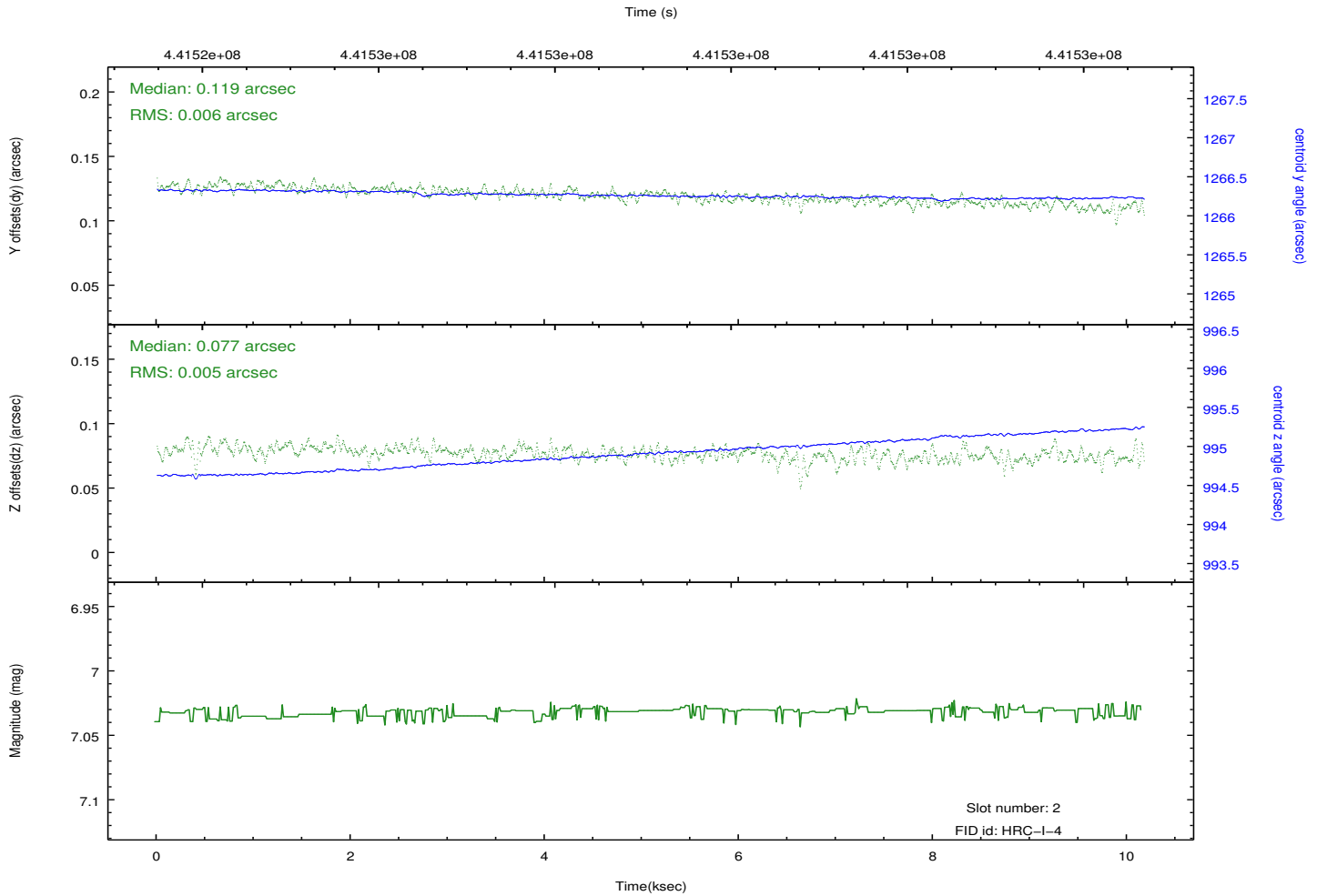
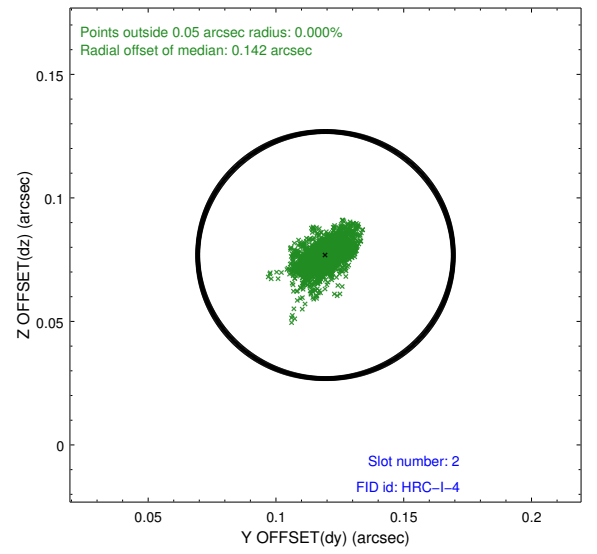
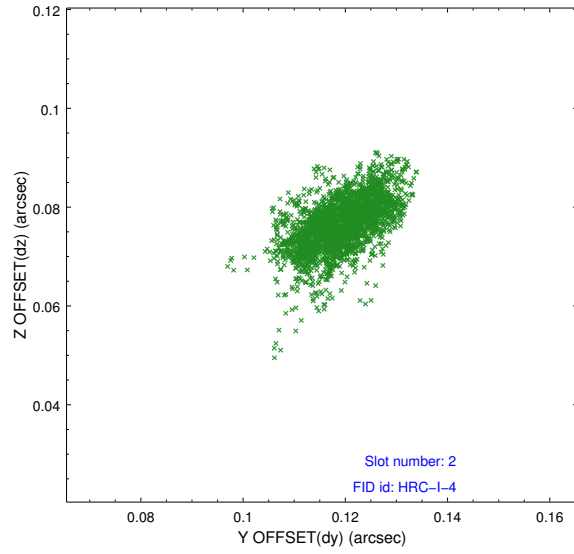
### 2.5.1 Slot 0



## 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)	2012.07.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.173381787717

### A.2 Comments

Joint proposal with HST.