

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 5249 - L2 Version 3  
Chandra X-Ray Center

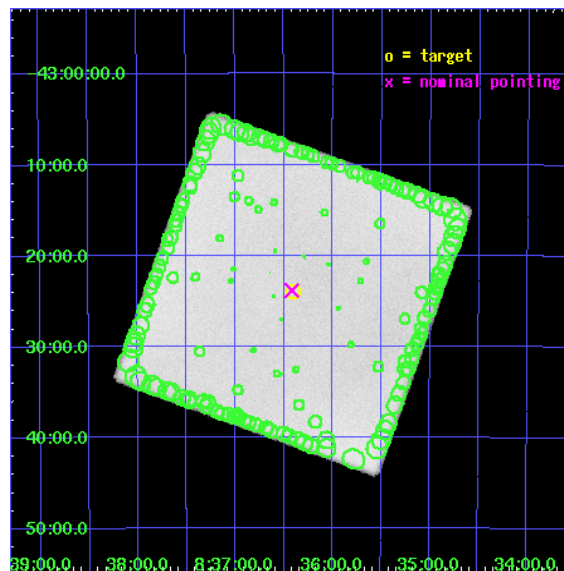
L2 Processing Date : Nov 23 2007

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# 1 Front

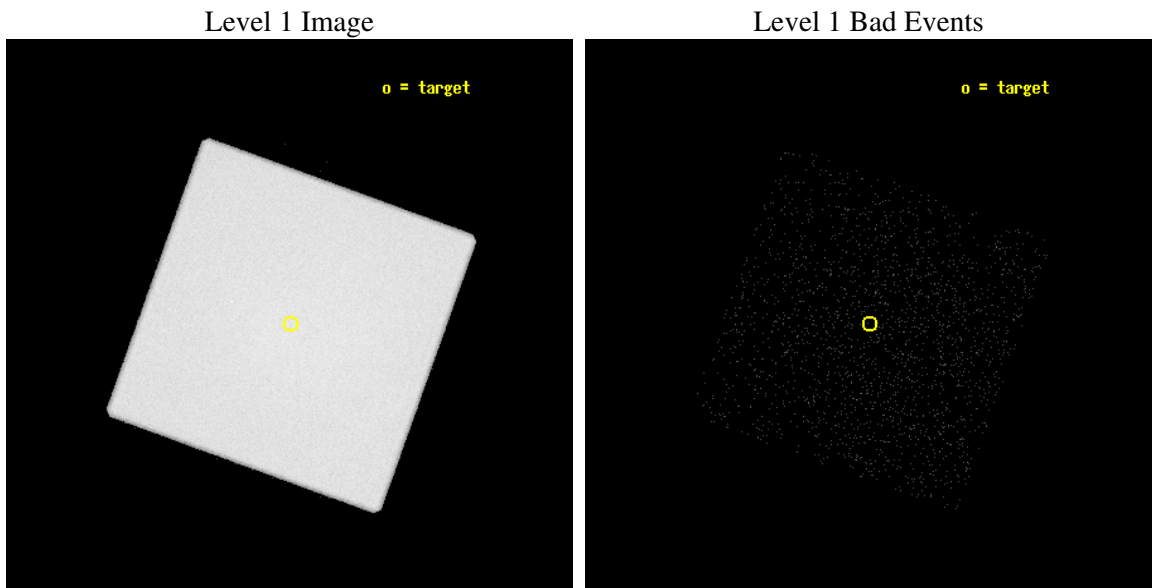
seq_num	290438
obs_id	5249
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR THE HRC LOW ENERGY QE
observer	Dr. CXC Calibration
object	VELA REMNANT
ra_targ	129.1
dec_targ	-43.4
ra_nom	129.10421133058
dec_nom	-43.397229895587
roll_nom	64.831502122579
revision	3
ontime	19620.807100356
livetime	19132.651264871
l2events	2295575



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-23T21:20:14
revision	3

sched_exp_time	19750.000000
ontime	19620.807100356
l1events	3290631

### 2.1.3 Events

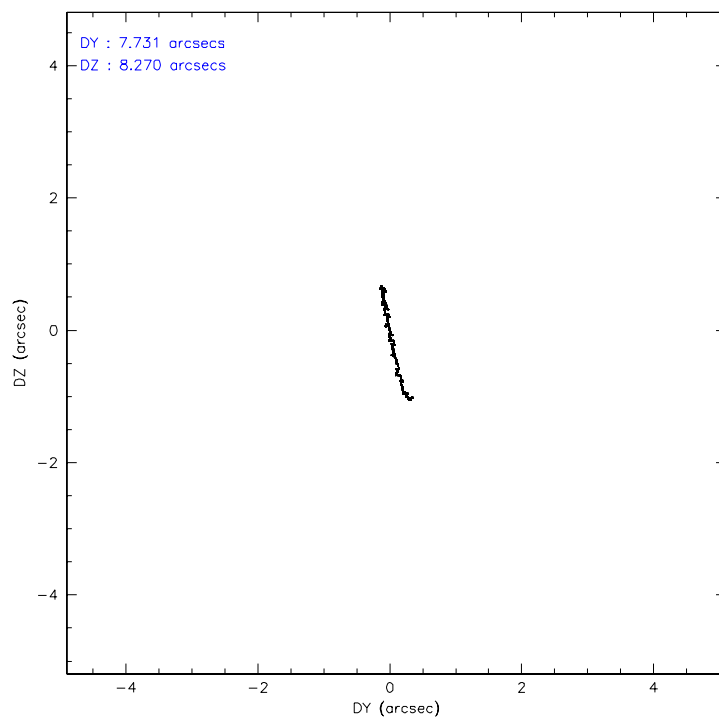
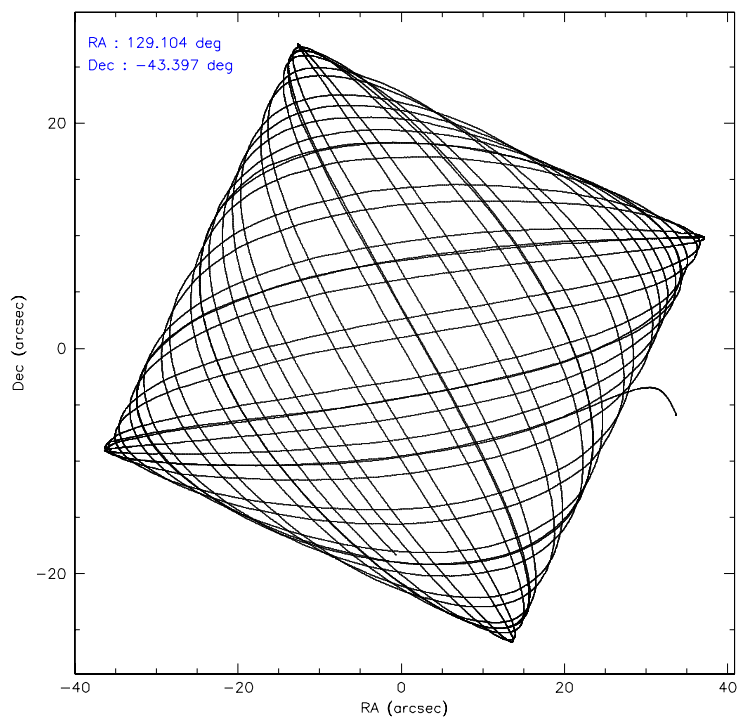
#### Level 1 Events

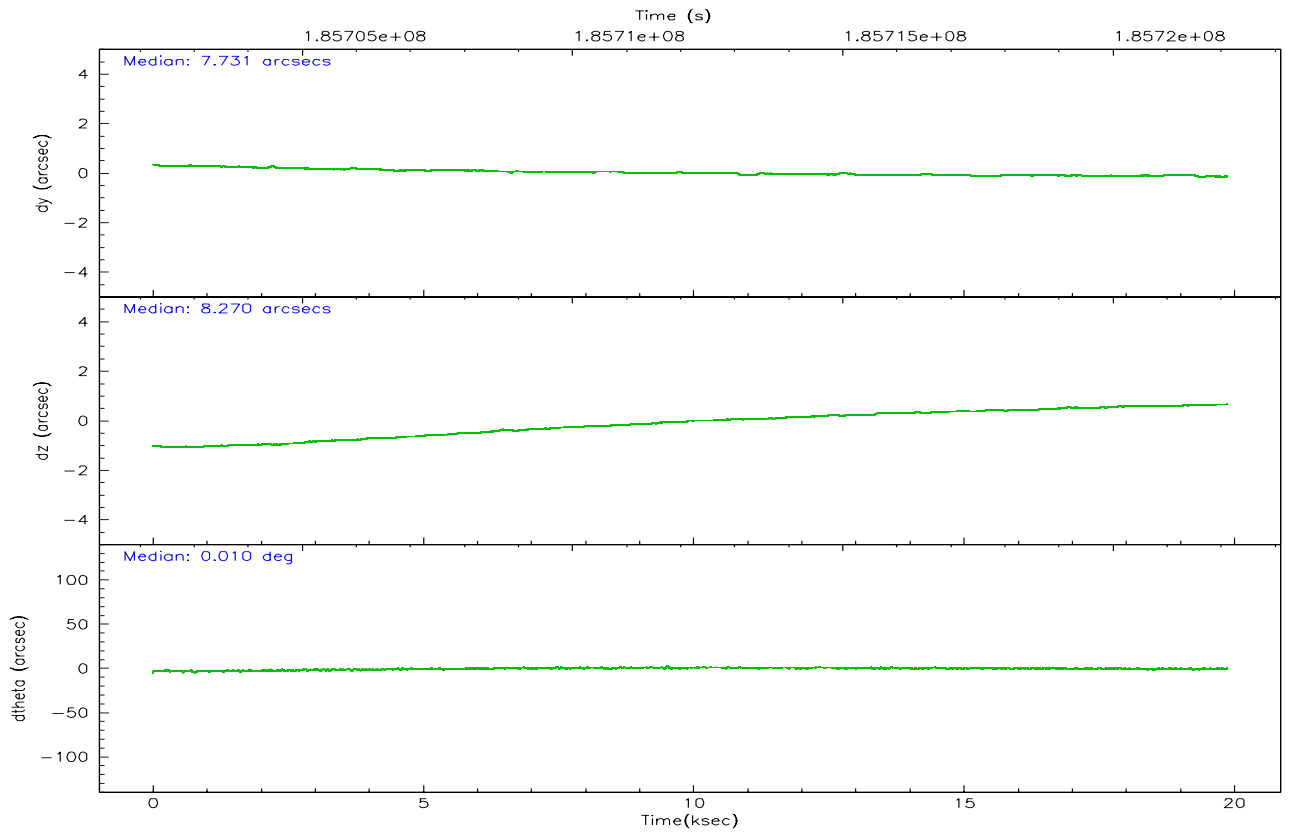
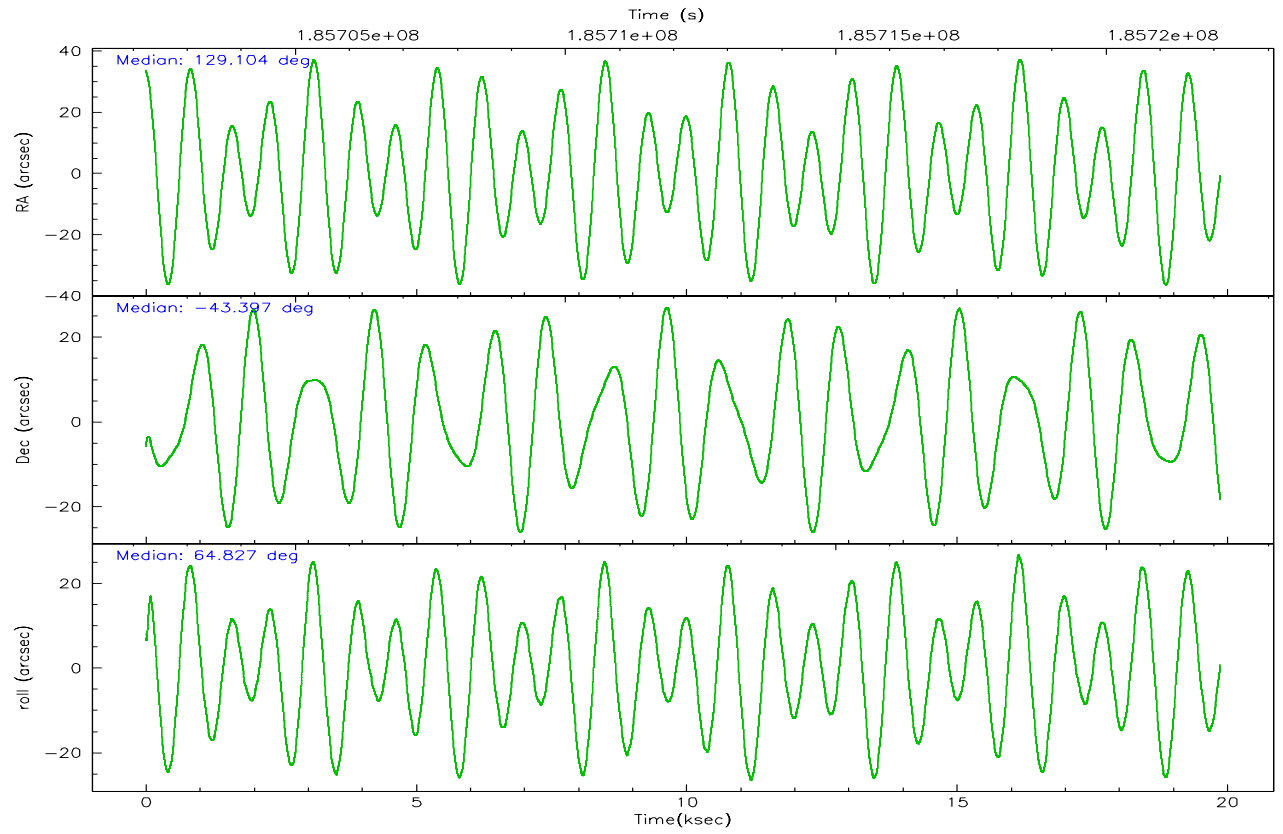
	<b>segment 0</b>
level 1 events	3290631
rejected events	15417
rejected %	0%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
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			
Pointing RA	129.108260	129.1042113305772			
Pointing Dec	-43.424151	-43.39722989558734			
Pointing Roll	64.929792	64.83150212257873			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9829799899862			
SIM translation stage offset (mm)	0	0.002508901615314585			
Observation start time	185702357.184000	185701346.96664			
Observation start date	2003-11-20T07:58:13	2003-11-20T07:42:26			
Observation end time	185722107.184000	185722937.56758			
Observation end date	2003-11-20T13:27:23	2003-11-20T13:42:17			

## 2.3 Aspect



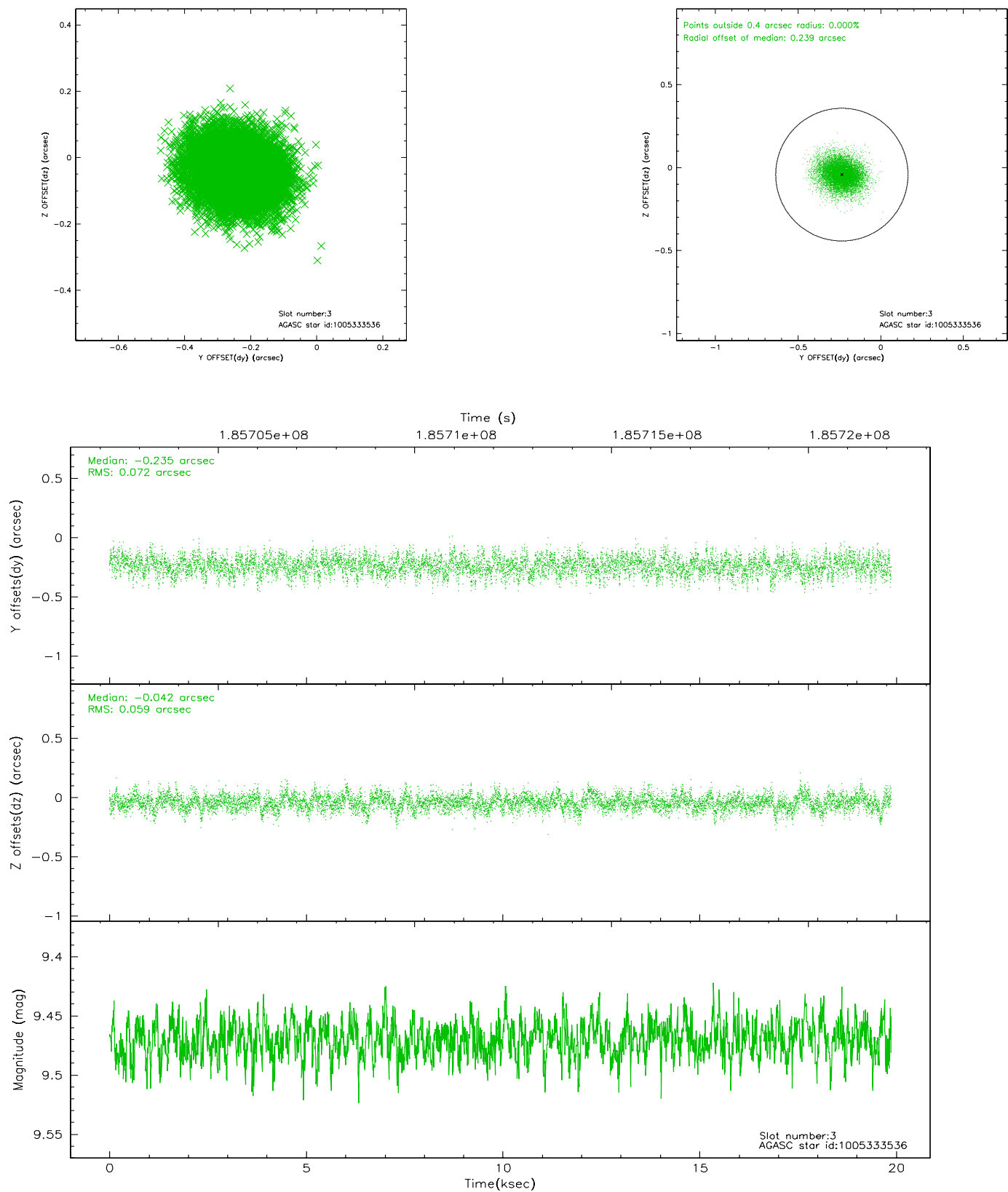


### Slot Statistics

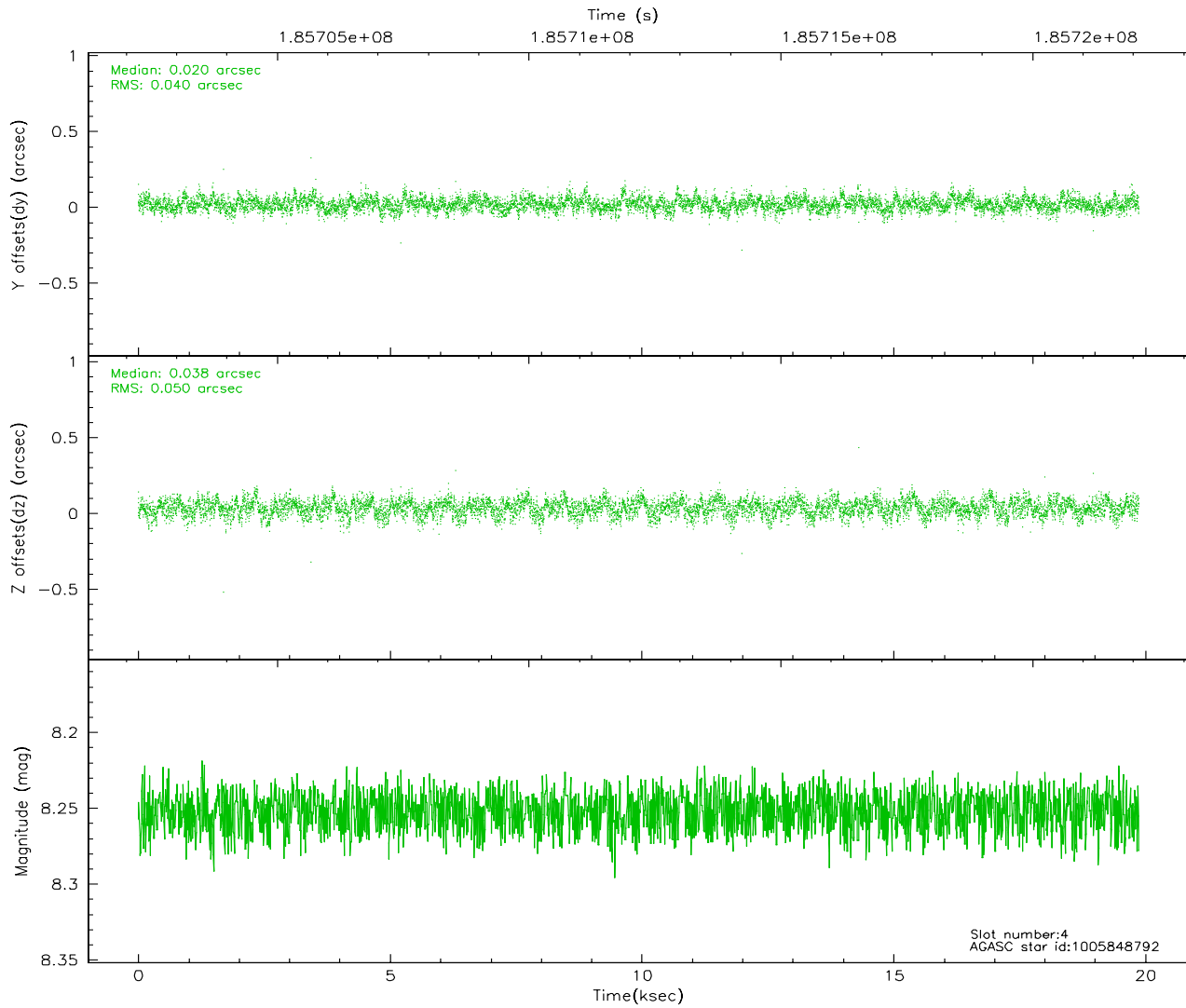
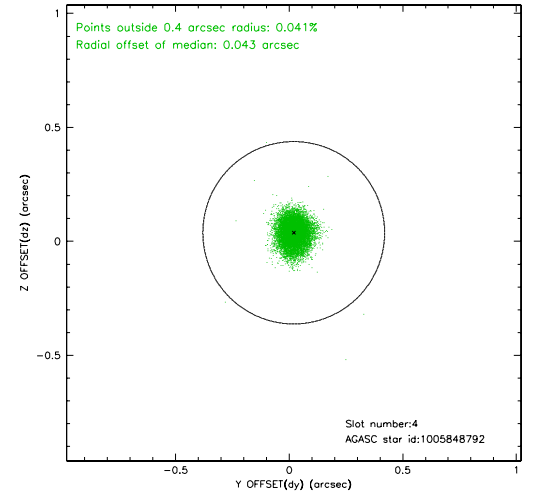
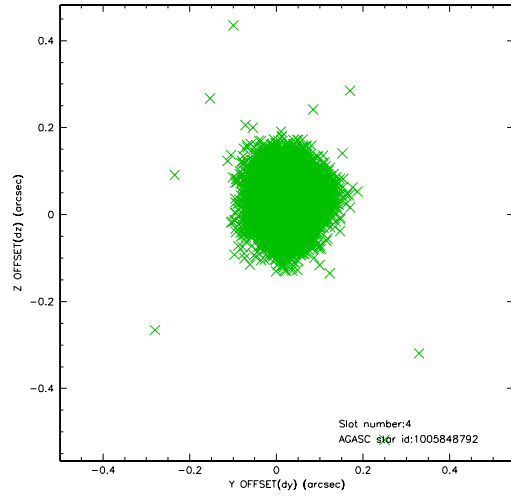
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	4847	0.006	0.058	0.019	0.040	0.000000	0.000000	-763.39	-1295.97
1	FID	HRC-I-2	6.99	4847	0.117	-0.097	0.010	0.018	0.000000	0.000000	849.19	-1297.98
2	FID	HRC-I-3	7.03	4847	-0.005	-0.045	0.025	0.035	0.000000	0.000000	-1191.67	1008.24
3	GUIDE	1005333536	9.47	9684	-0.235	-0.042	0.099	0.162	128.886420	-42.801856	1780.22	1480.08
4	GUIDE	1005848792	8.25	9695	0.020	0.038	0.068	0.109	129.279861	-43.533078	-165.21	-571.59
5	GUIDE	1005851752	8.88	9693	0.006	0.243	0.091	0.146	129.583974	-44.107054	-1708.59	-2157.00
6	GUIDE	1005862096	7.03	9695	0.140	-0.107	0.061	0.100	128.290617	-43.683863	-1758.22	1527.12
7	GUIDE	1005869776	9.14	9692	0.070	-0.128	0.088	0.145	128.321731	-43.737414	-1897.12	1371.06

## 2.4 Star Slots

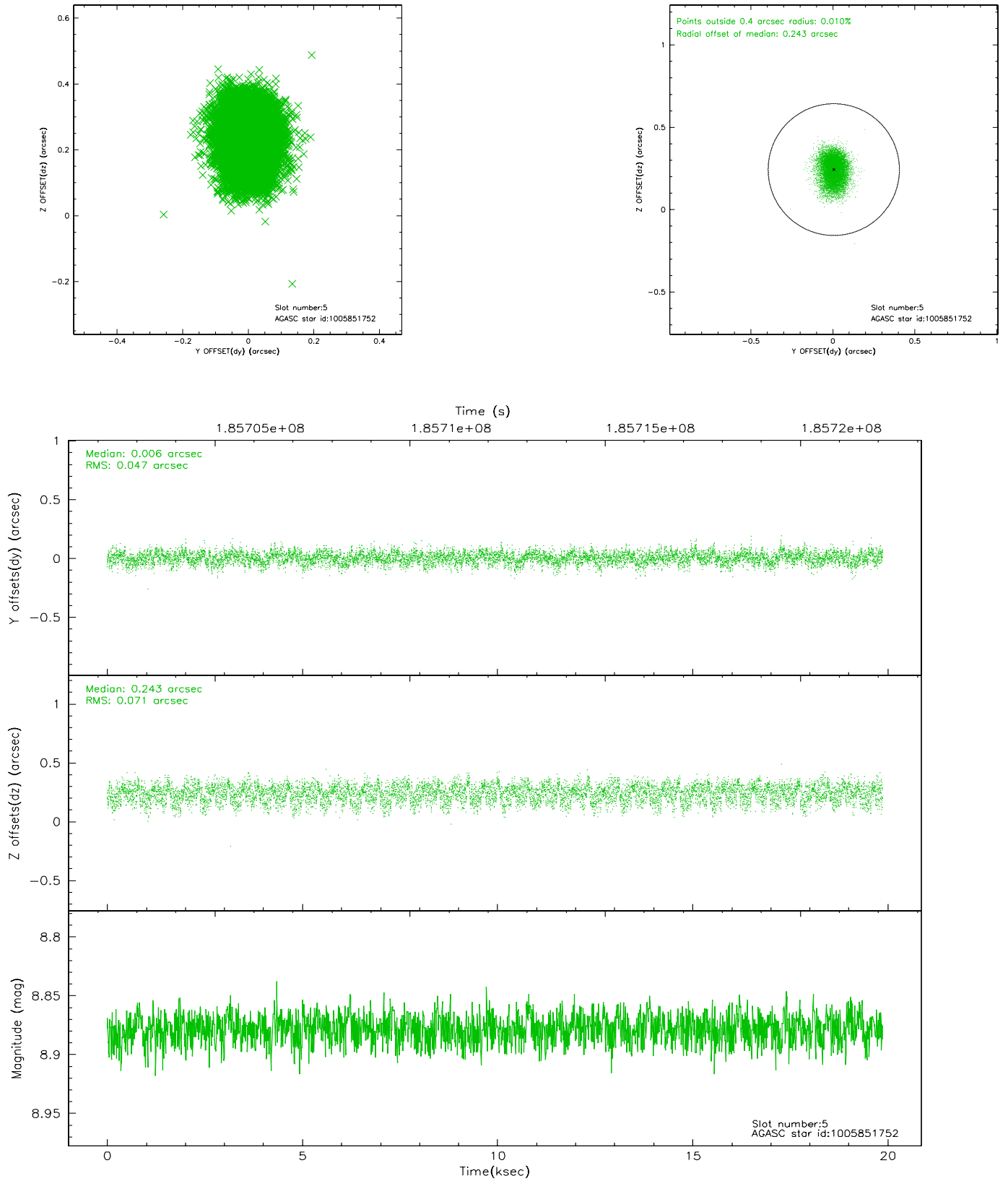
### 2.4.1 Slot 3



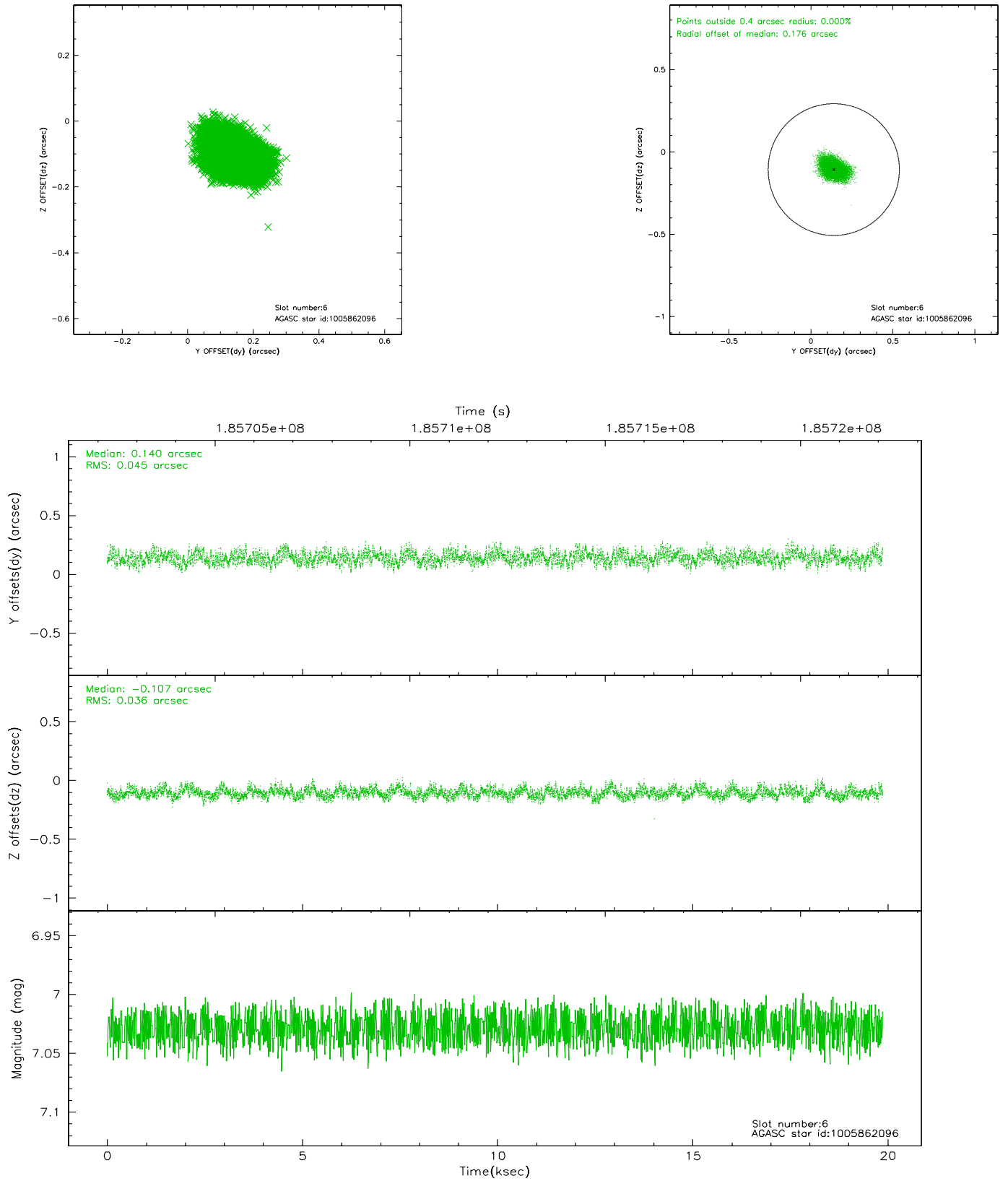
## 2.4.2 Slot 4



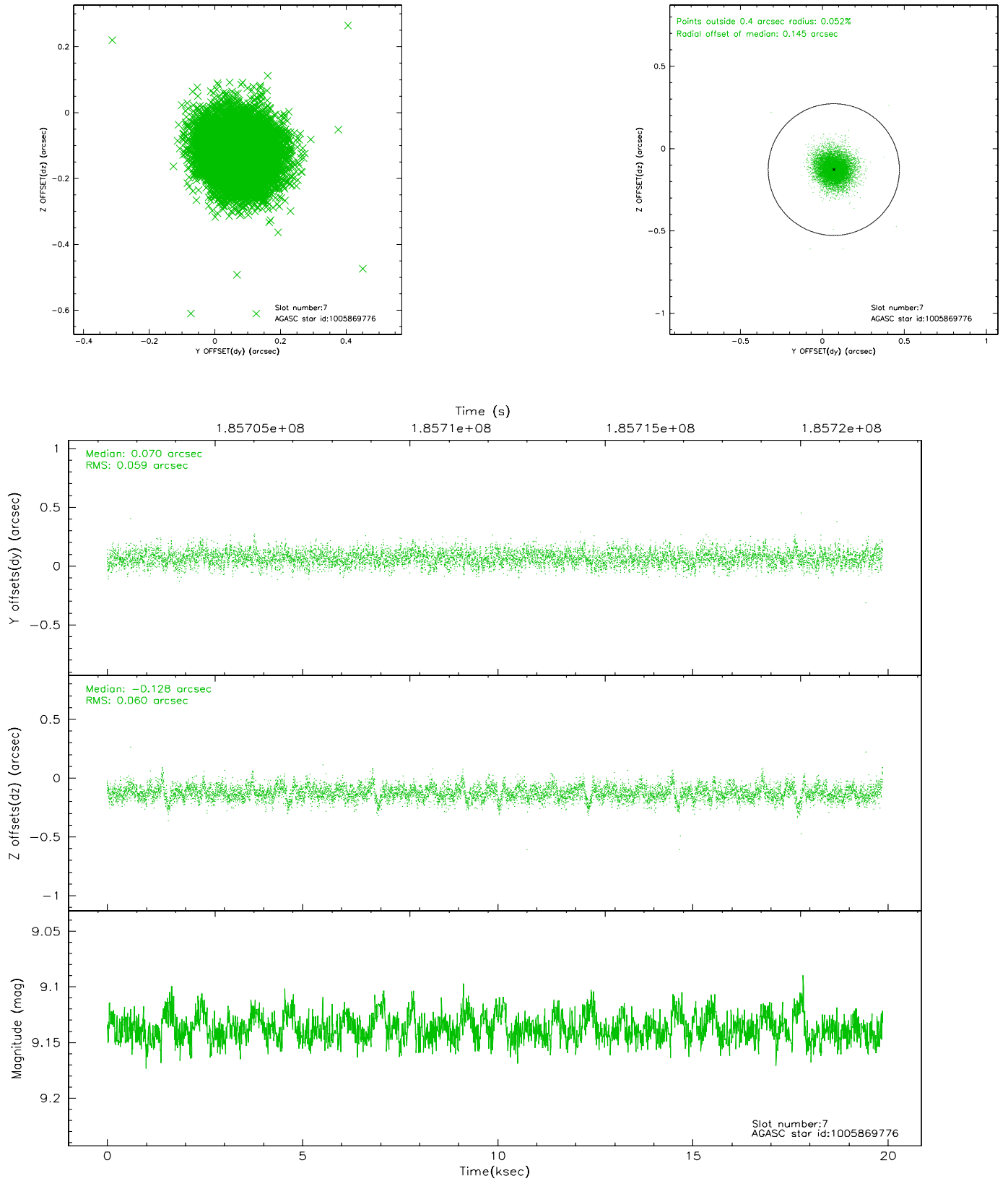
### 2.4.3 Slot 5



## 2.4.4 Slot 6

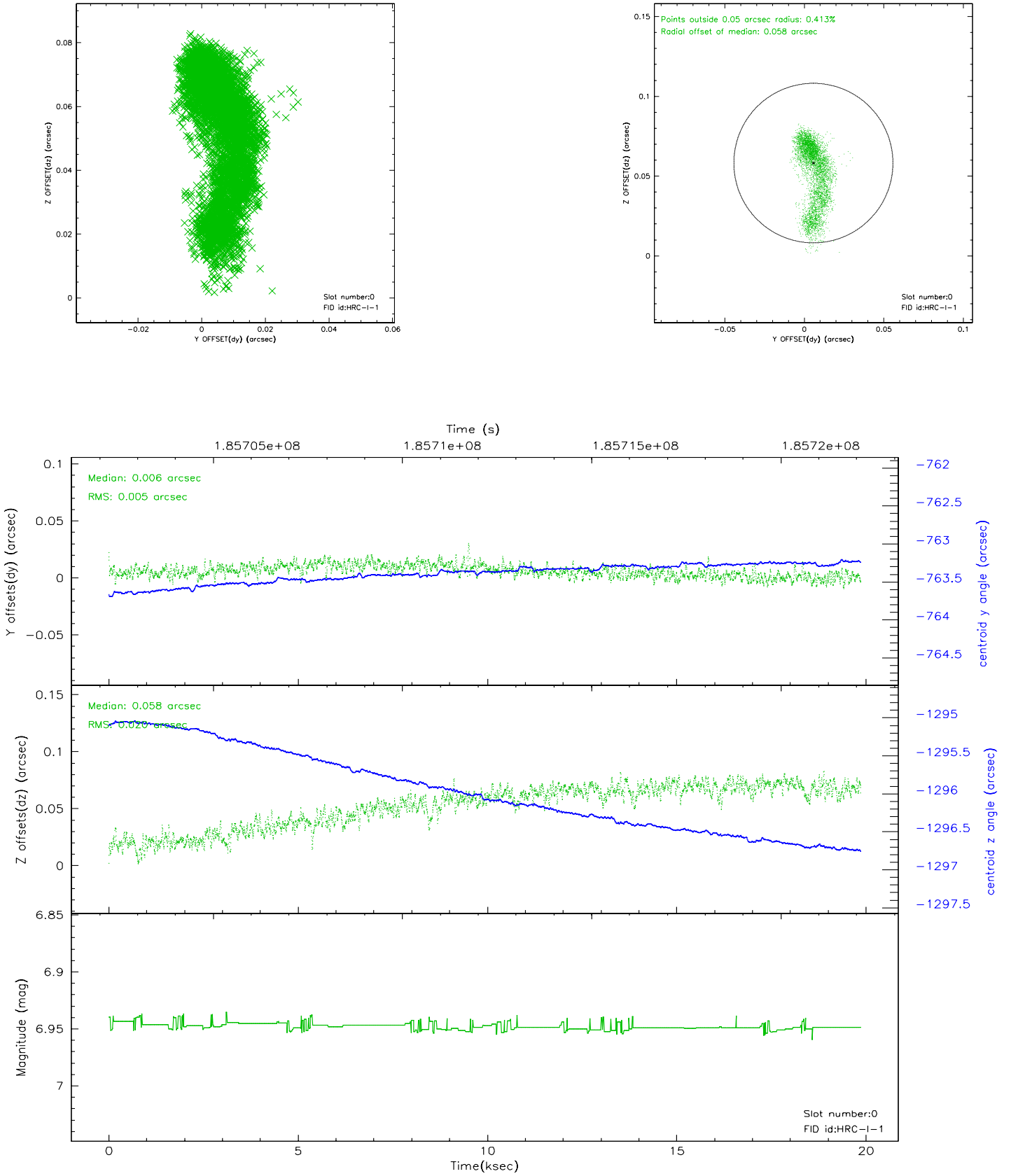


## 2.4.5 Slot 7

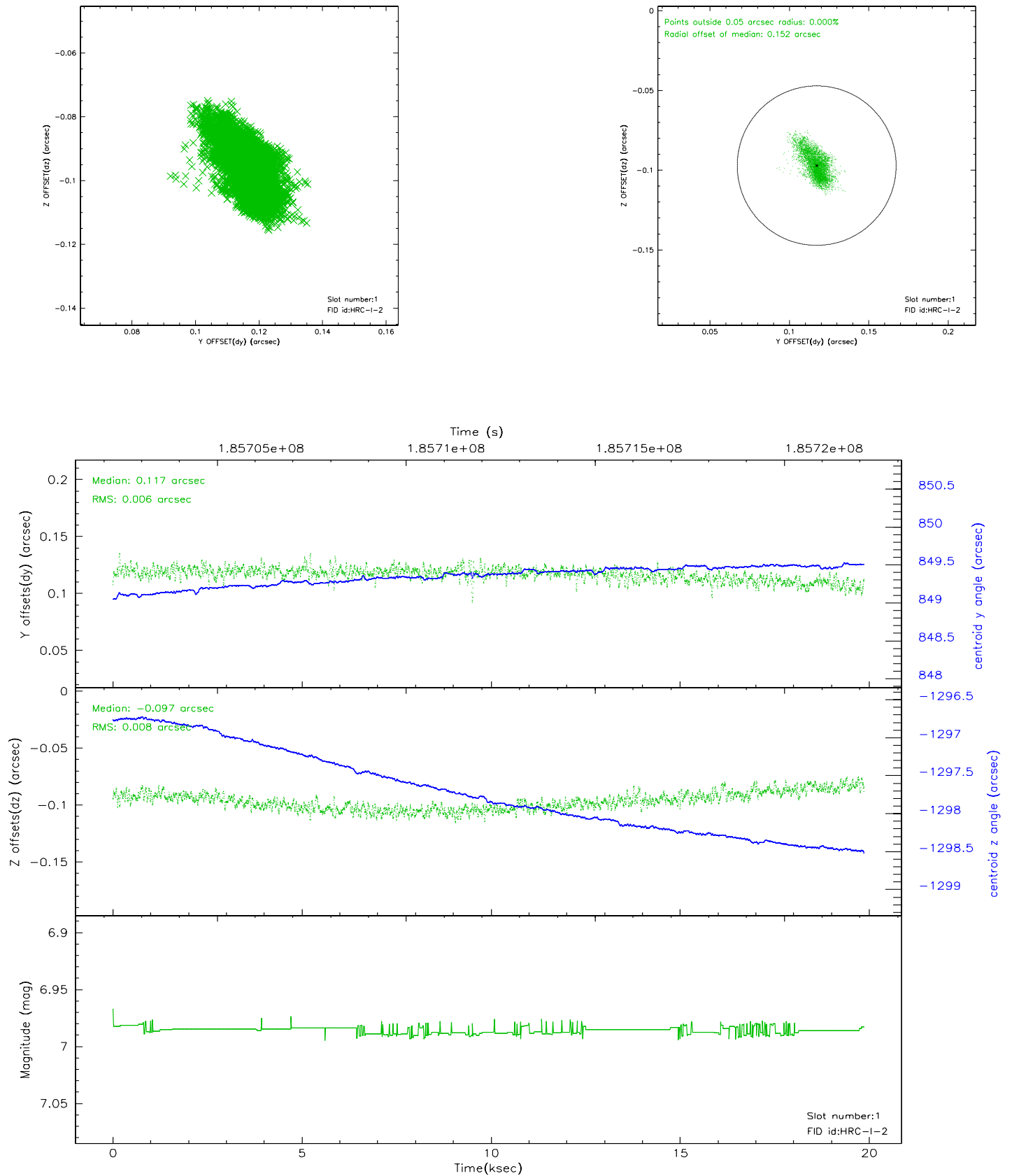


## 2.5 FID Slots

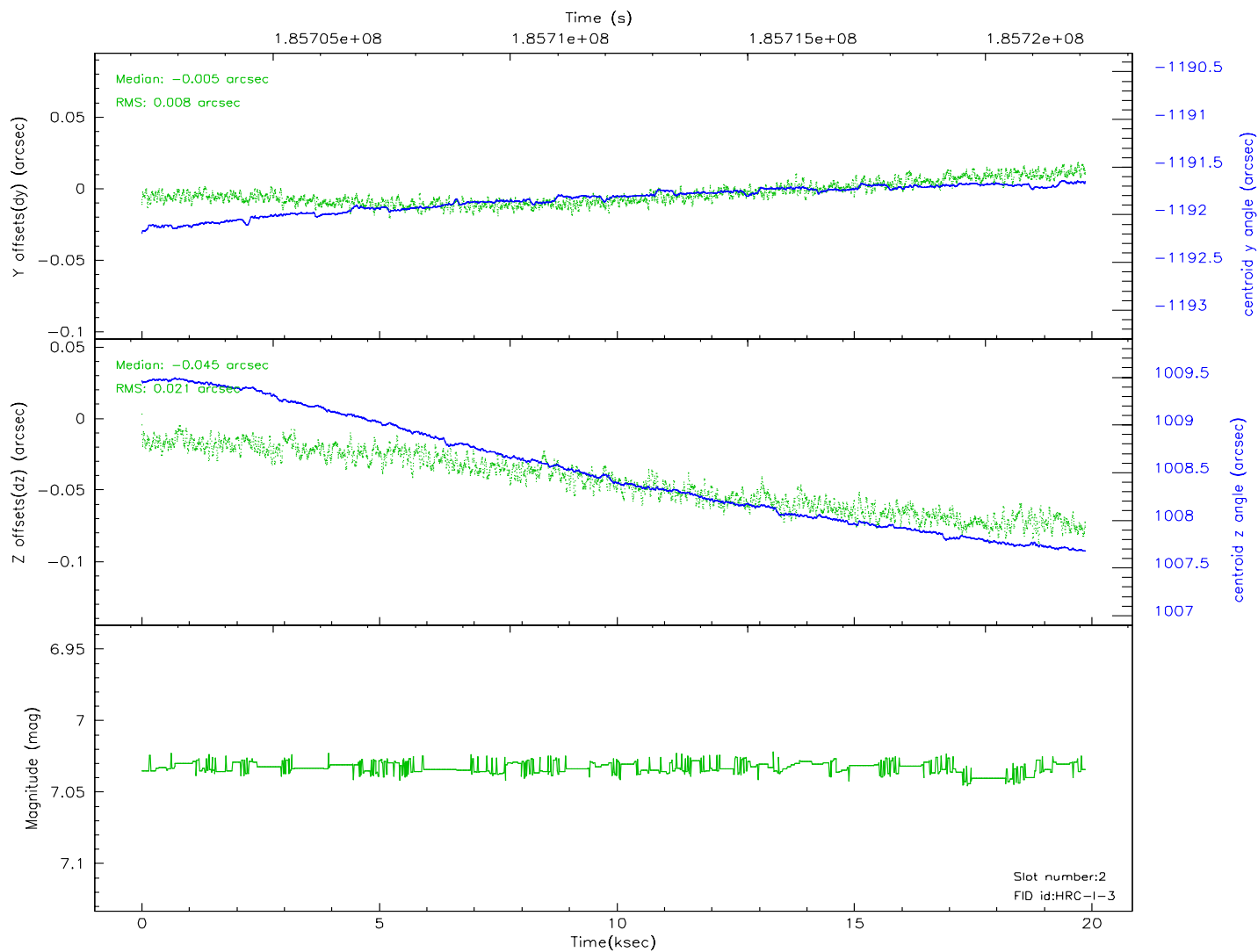
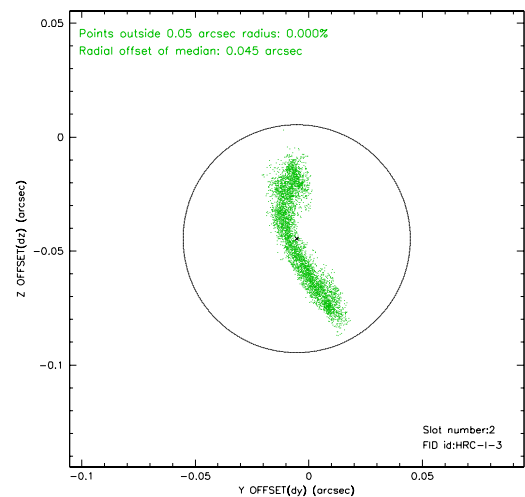
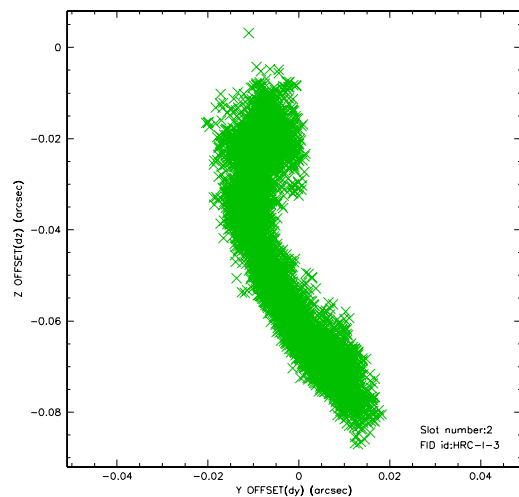
### 2.5.1 Slot 0



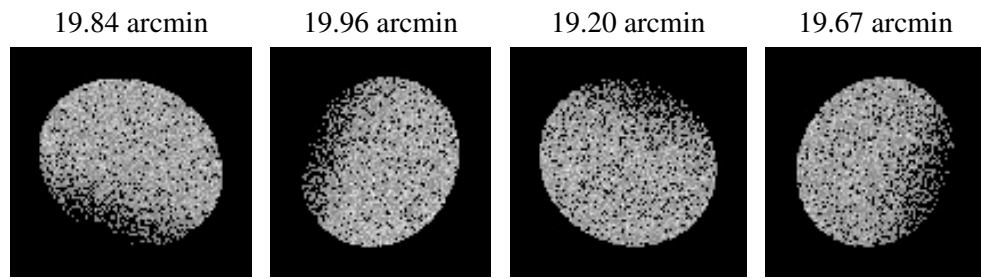
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.62

## A.2 Comments

The current observation has been reprocessed as part of Repro III ('C' supplement) the purpose of which is to update all HRC-I ObsIDs since Jan 2000 to the latest calibrations available for that configuration. Specifically, we are updating the DEGAP solution and the Gain Maps applied. For more information see the Repro IIIC web page at

<http://asc.harvard.edu/cda/repro3.html#IIIC>

and the associated links.