

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 1814 - L2 Version 3  
Chandra X-Ray Center

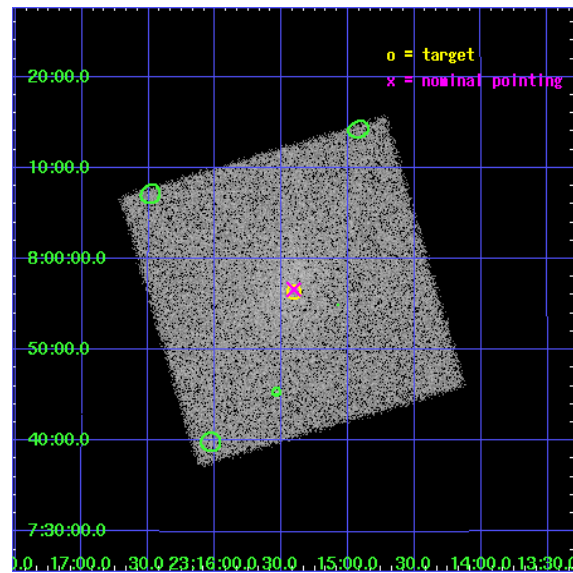
L2 Processing Date : Nov 20 2007

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# 1 Front

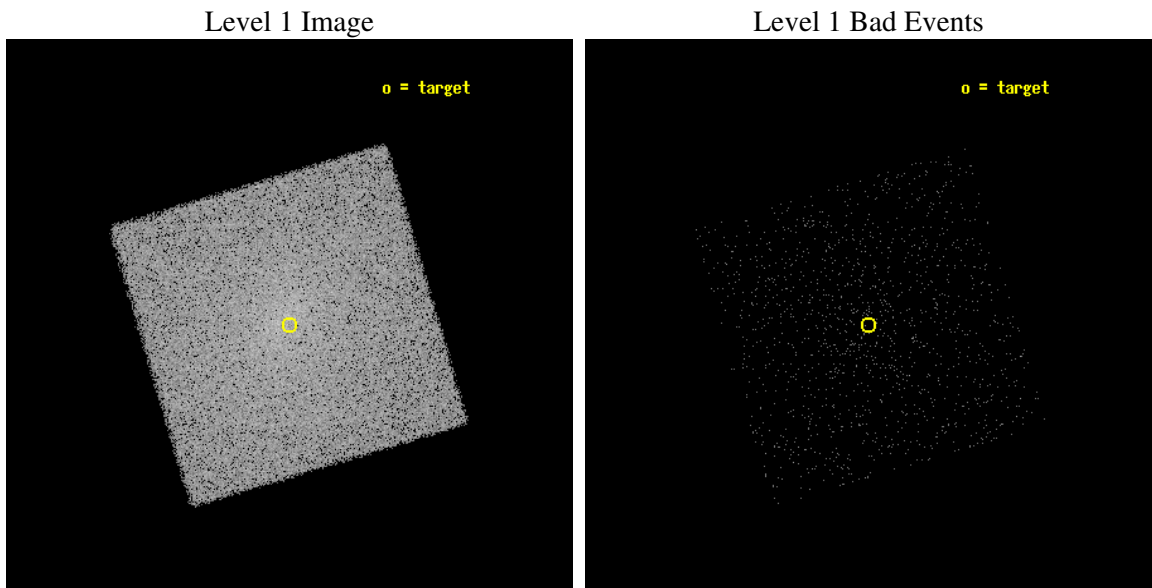
seq_num	100009
obs_id	1814
title	SOLVING THE PUZZLE OF COMETARY X-RAY ORIGIN: OBSERVATIONS OF COMET 10P/TEMPEL 2
observer	DR W. THOMAS VESTRAND
object	LINEAR 2001 A2
ra_targ	348.852297
dec_targ	7.939782
ra_nom	348.85169608309
dec_nom	7.9440821668799
roll_nom	118.46323626719
revision	3
ontime	2043.081329897
livetime	2028.7064349504
l2events	102123



## 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	2007-11-20T16:52:35
revision	3

sched_exp_time	2150.000000
ontime	2043.081329897
l1events	172628

### 2.1.3 Events

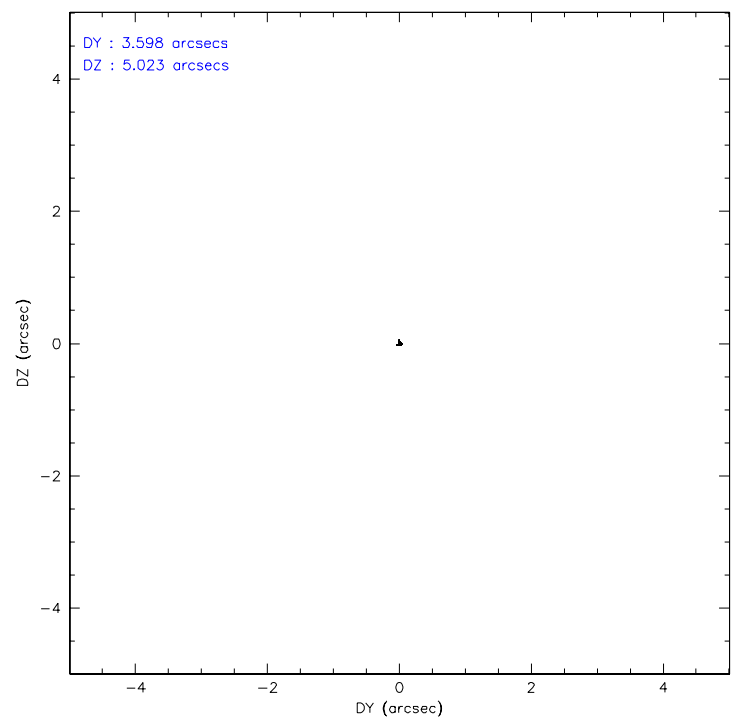
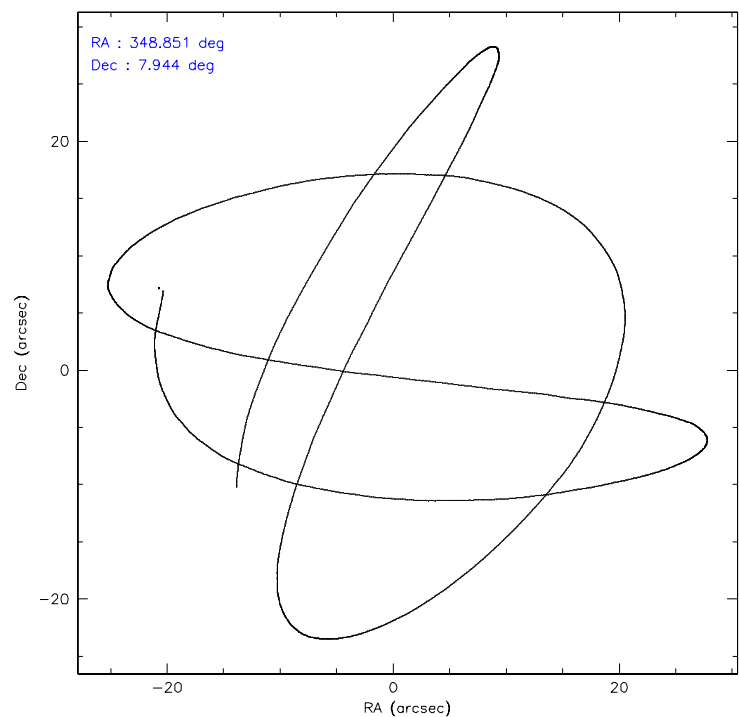
#### Level 1 Events

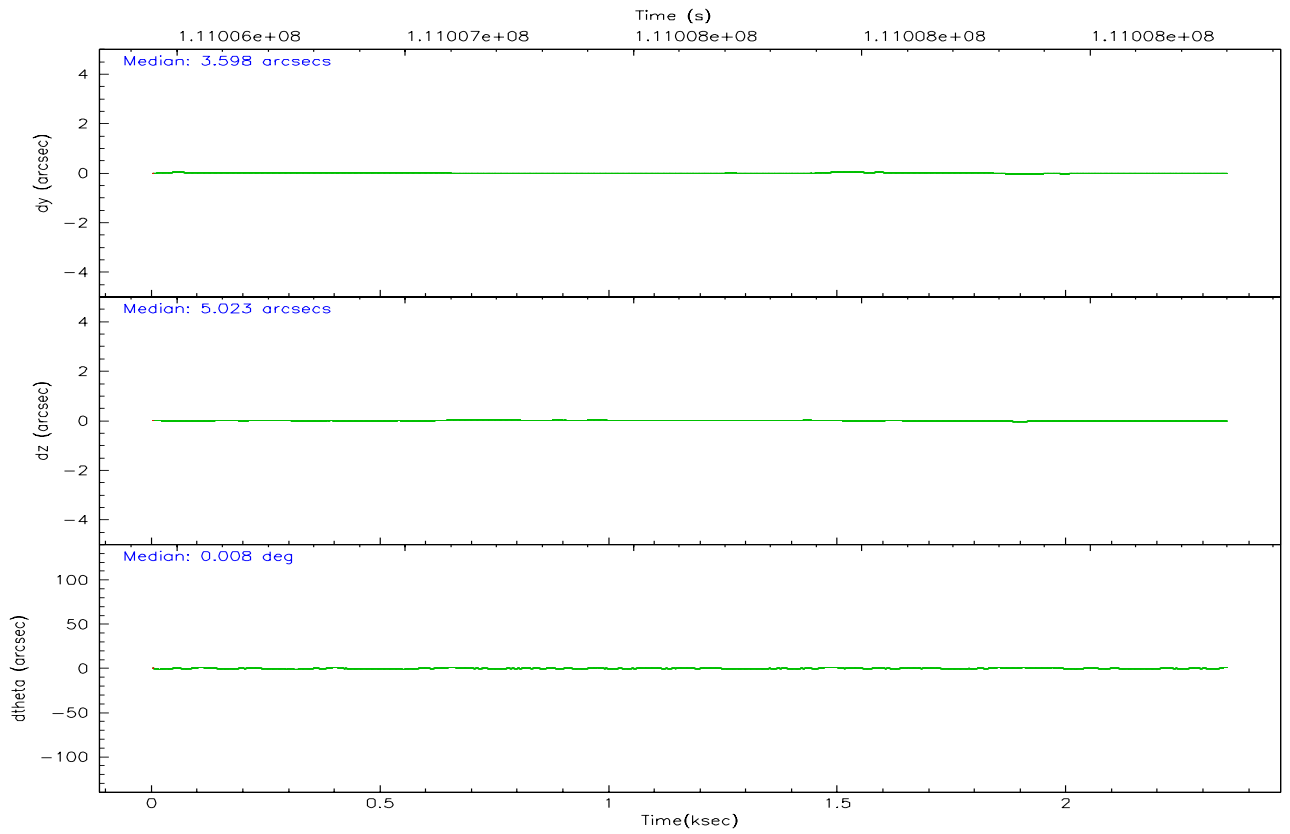
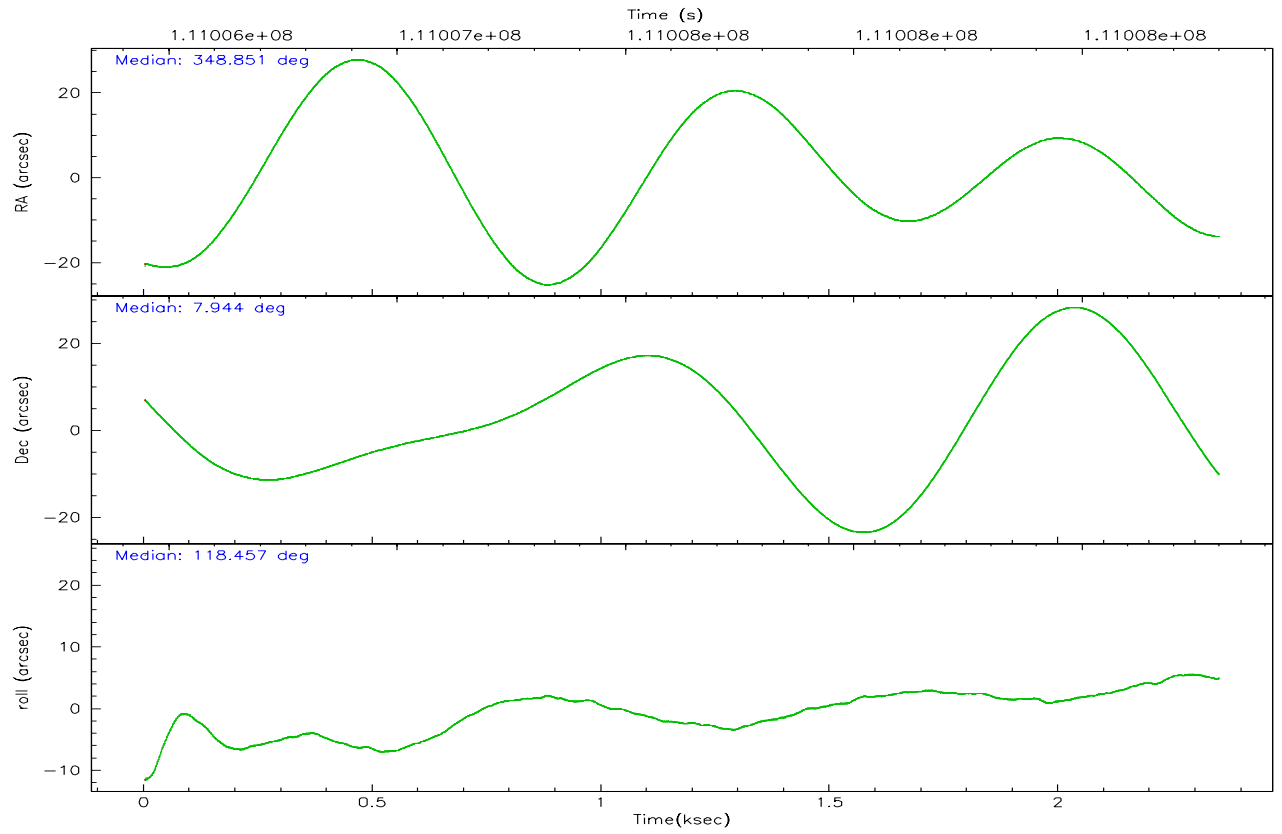
	<b>segment 0</b>
level 1 events	172628
rejected events	35476
rejected %	20%

## 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	348.875525	348.8516960830939			
Pointing Dec	7.930294	7.944082166879917			
Pointing Roll	118.555435	118.4632362671947			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	111006652.184000	111006240.08299			
Observation start date	2001-07-08T19:09:48	2001-07-08T19:04:00			
Observation end time	111008802.184000	111008936.3456			
Observation end date	2001-07-08T19:45:38	2001-07-08T19:48:56			

### 2.3 Aspect





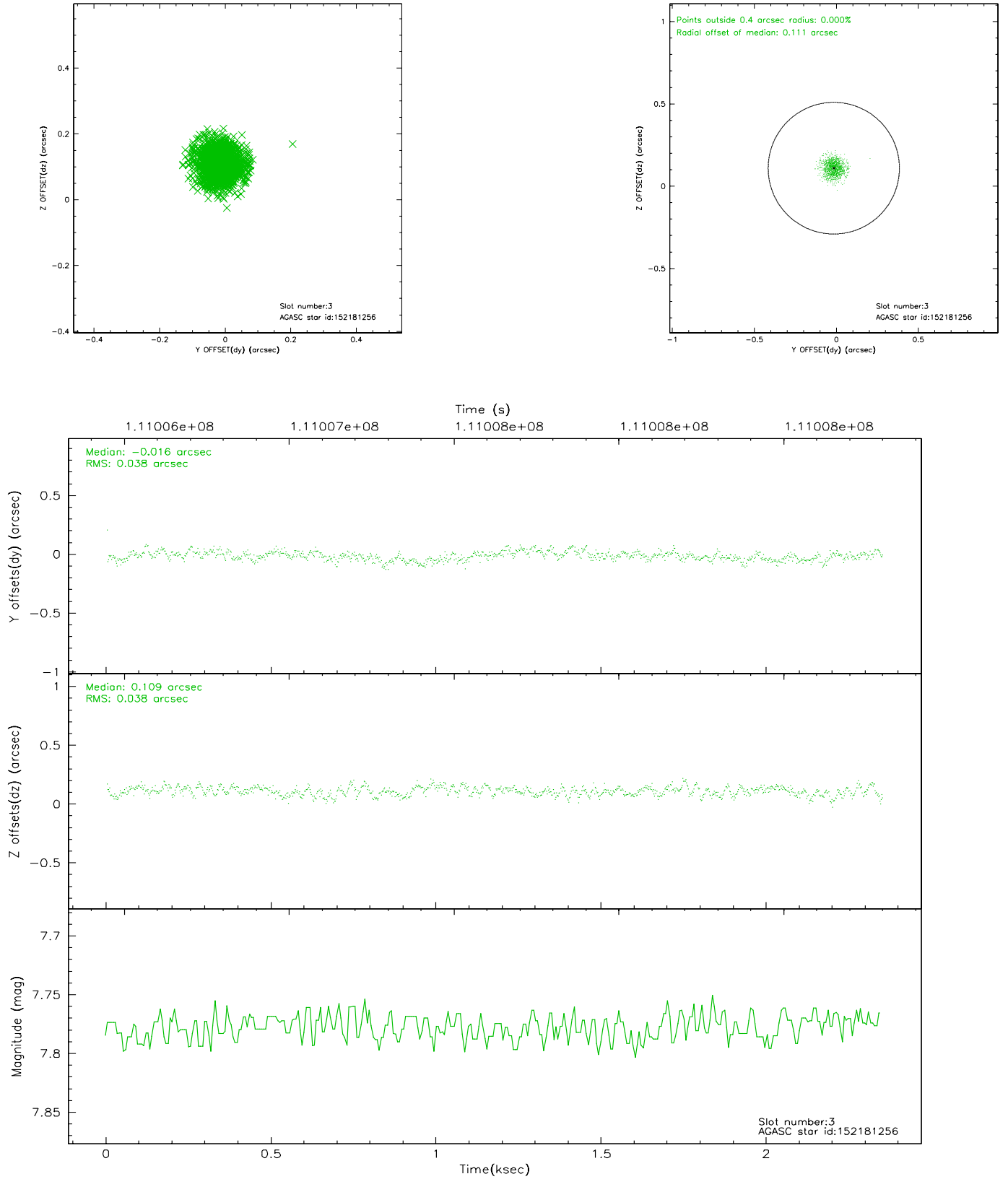
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	574	0.045	0.058	0.005	0.012	0.000000	0.000000	-759.05	-1292.81
1	FID	HRC-I-3	7.06	574	0.016	-0.094	0.006	0.011	0.000000	0.000000	-1188.89	1009.35
2	FID	HRC-I-4	7.00	574	0.053	-0.053	0.005	0.008	0.000000	0.000000	1281.68	1011.01
3	GUIDE	152181256	7.78	1147	-0.016	0.109	0.057	0.092	349.141958	7.580367	-1562.05	-233.87
4	GUIDE	152180776	8.42	1147	0.079	0.203	0.077	0.127	349.576658	7.835091	-1496.89	-2034.50
5	GUIDE	152180360	8.60	1147	-0.011	0.061	0.060	0.092	349.110181	8.037159	-64.28	-921.14
6	GUIDE	152188480	8.92	1145	-0.117	-0.085	0.074	0.118	348.517103	8.131940	1247.12	773.34
7	GUIDE	76418312	9.13	1146	0.076	-0.286	0.107	0.168	348.593333	7.241033	-1697.94	2070.73

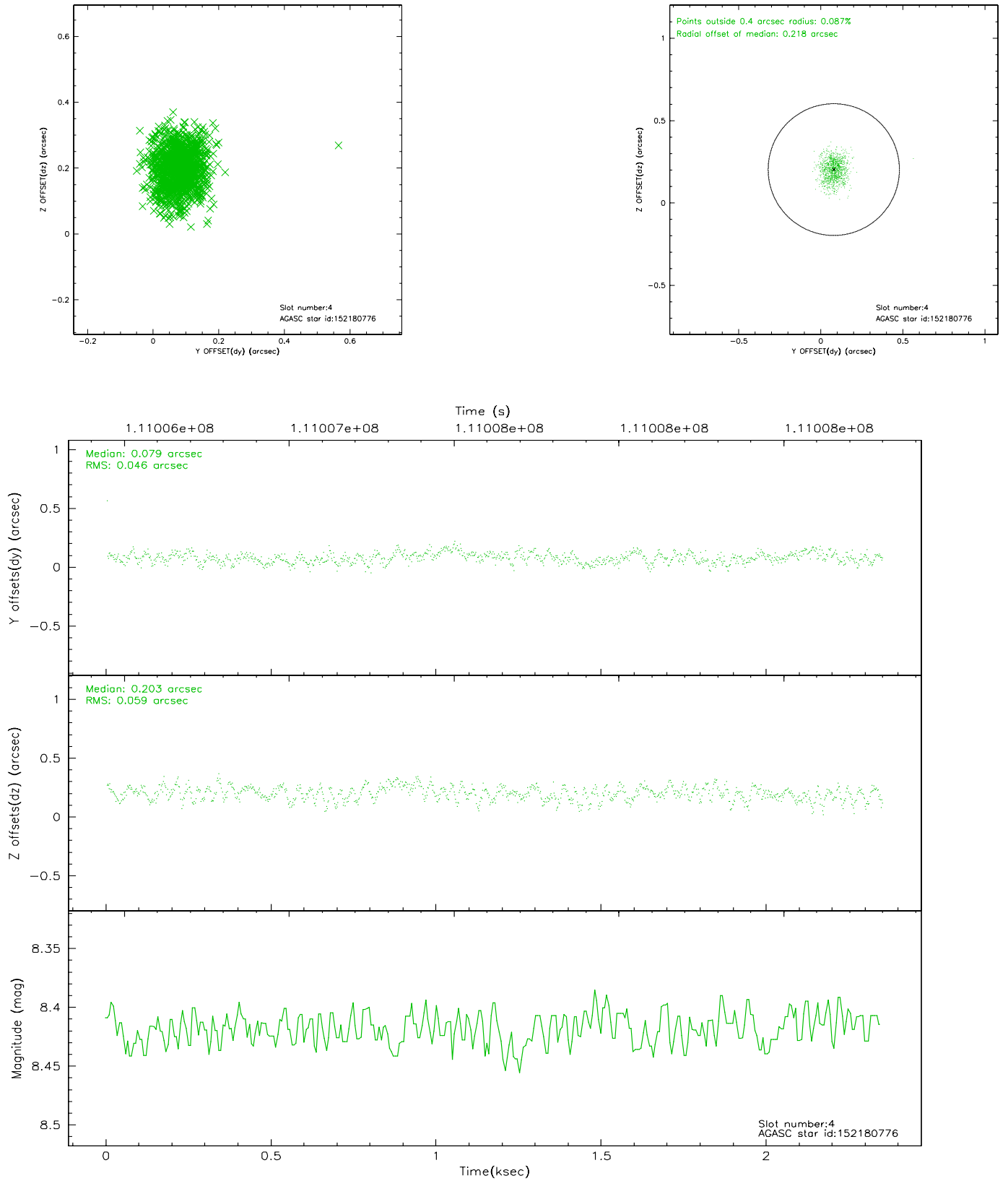


## 2.4 Star Slots

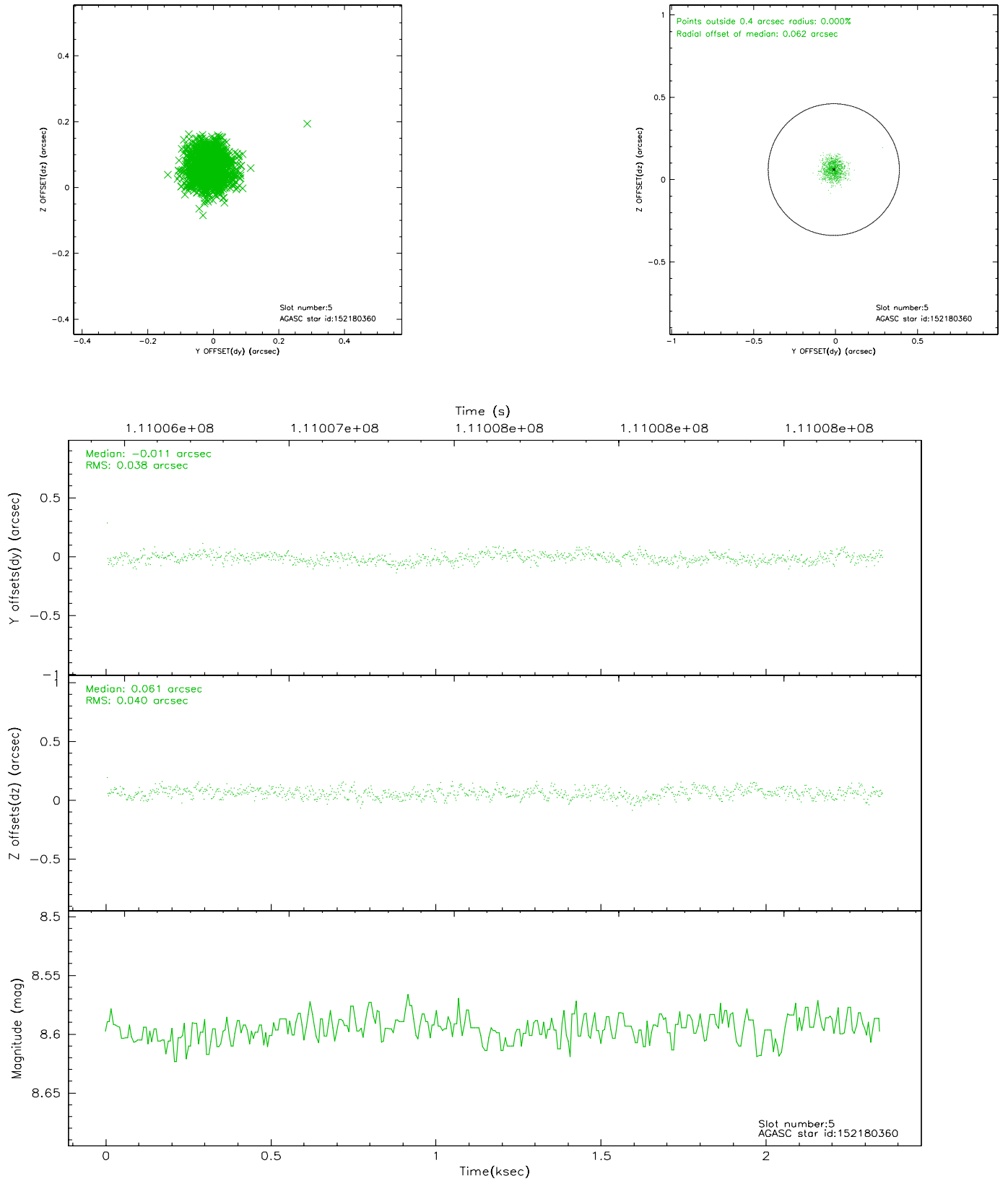
### 2.4.1 Slot 3



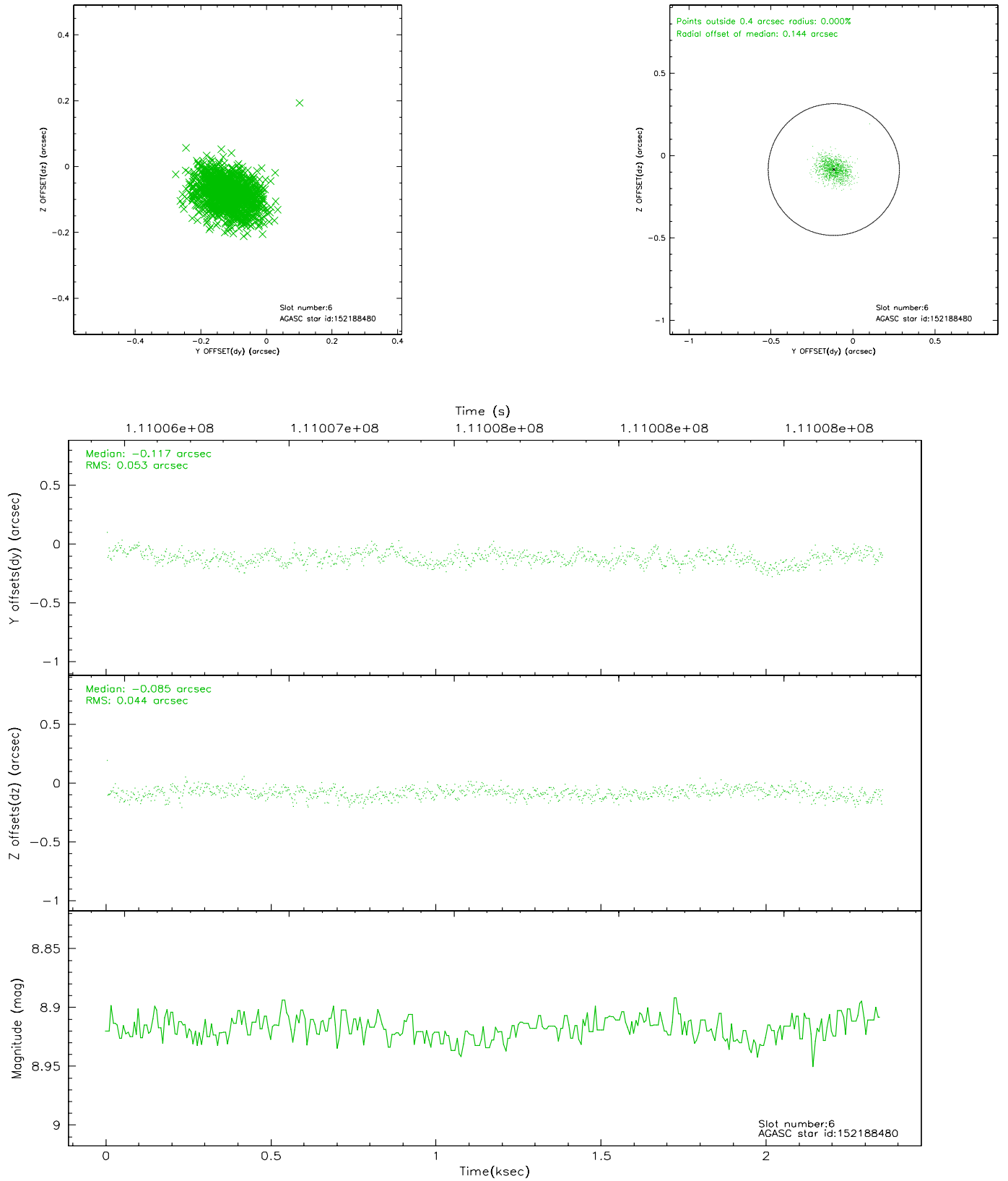
## 2.4.2 Slot 4



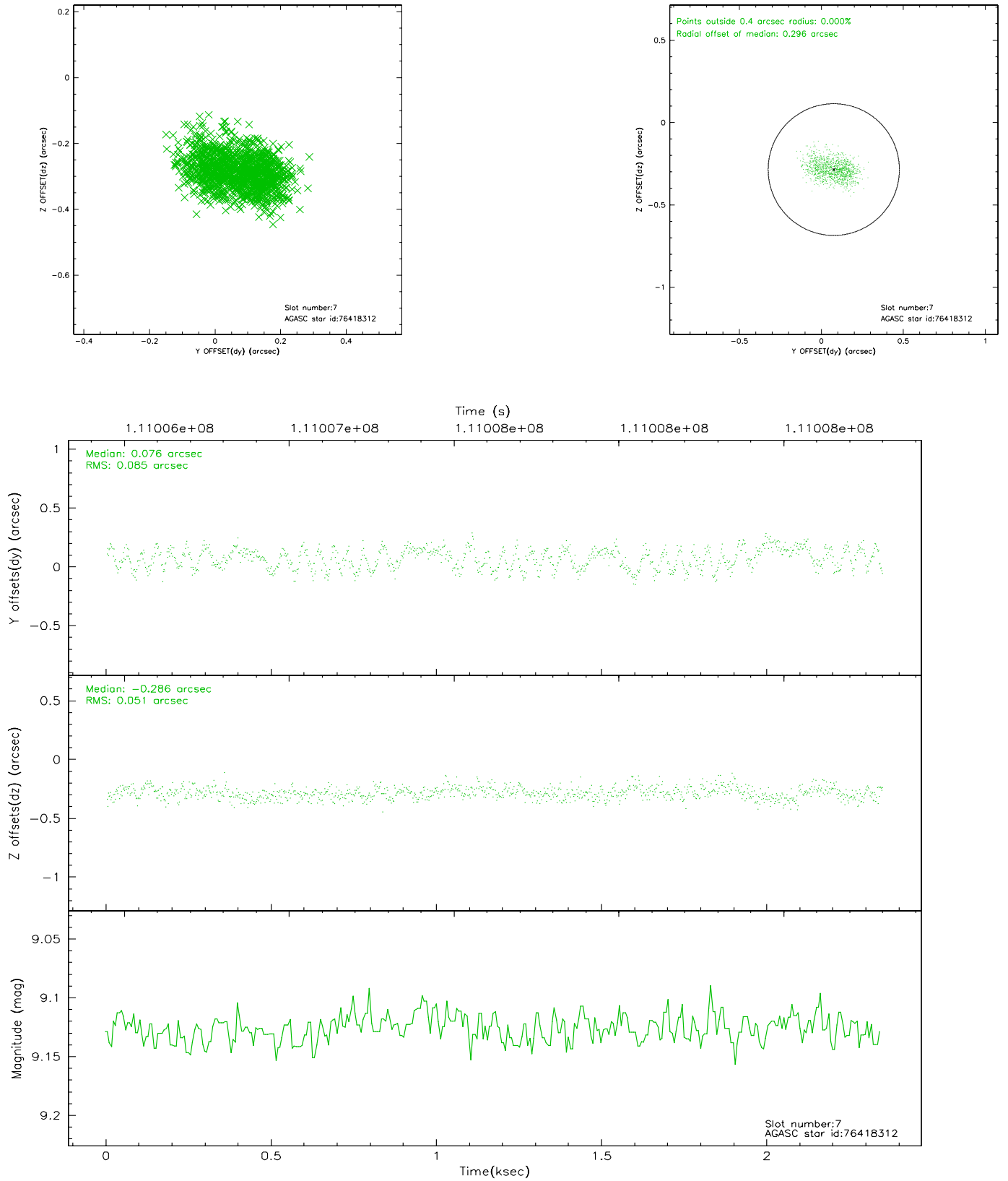
### 2.4.3 Slot 5



## 2.4.4 Slot 6

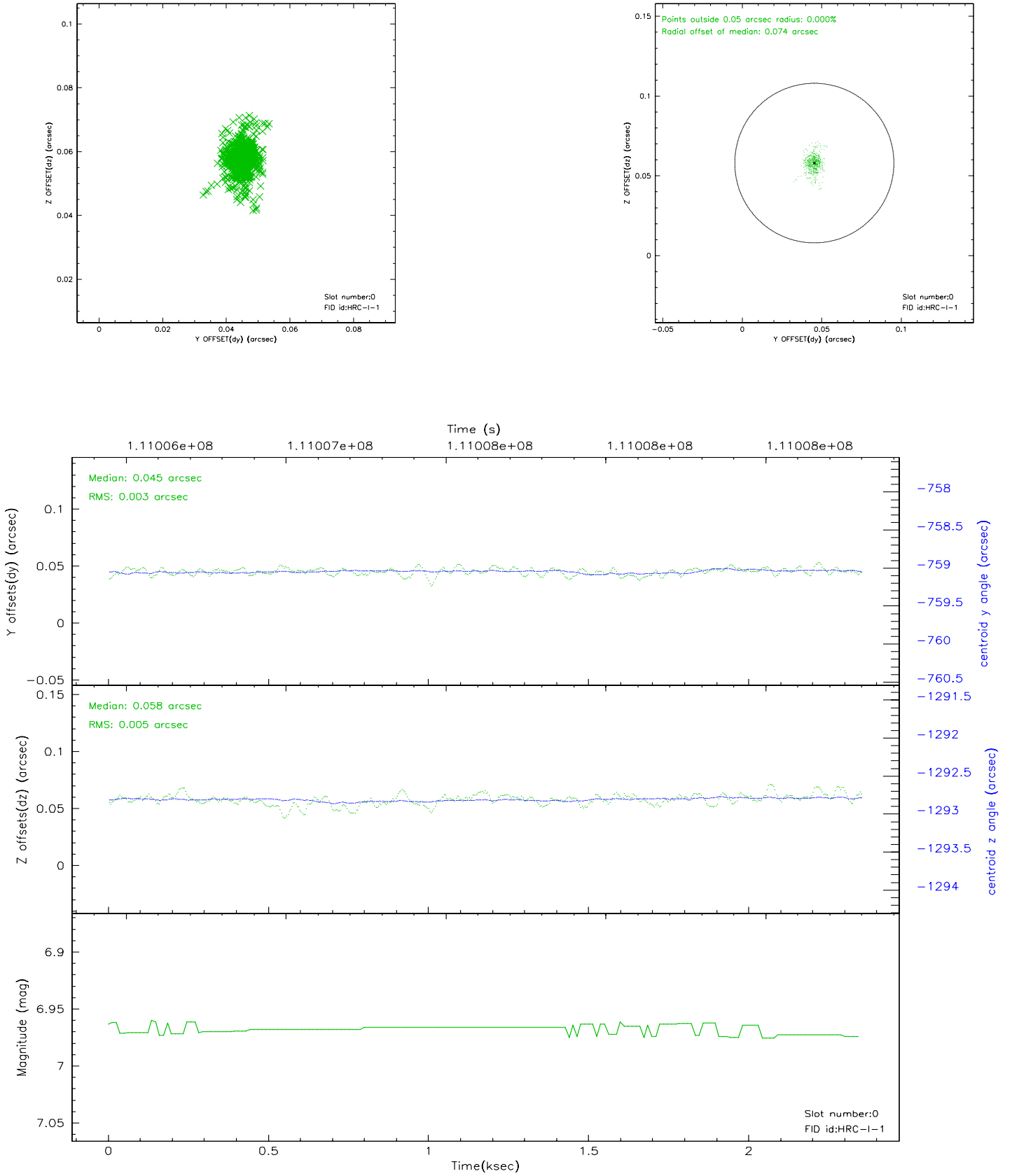


## 2.4.5 Slot 7

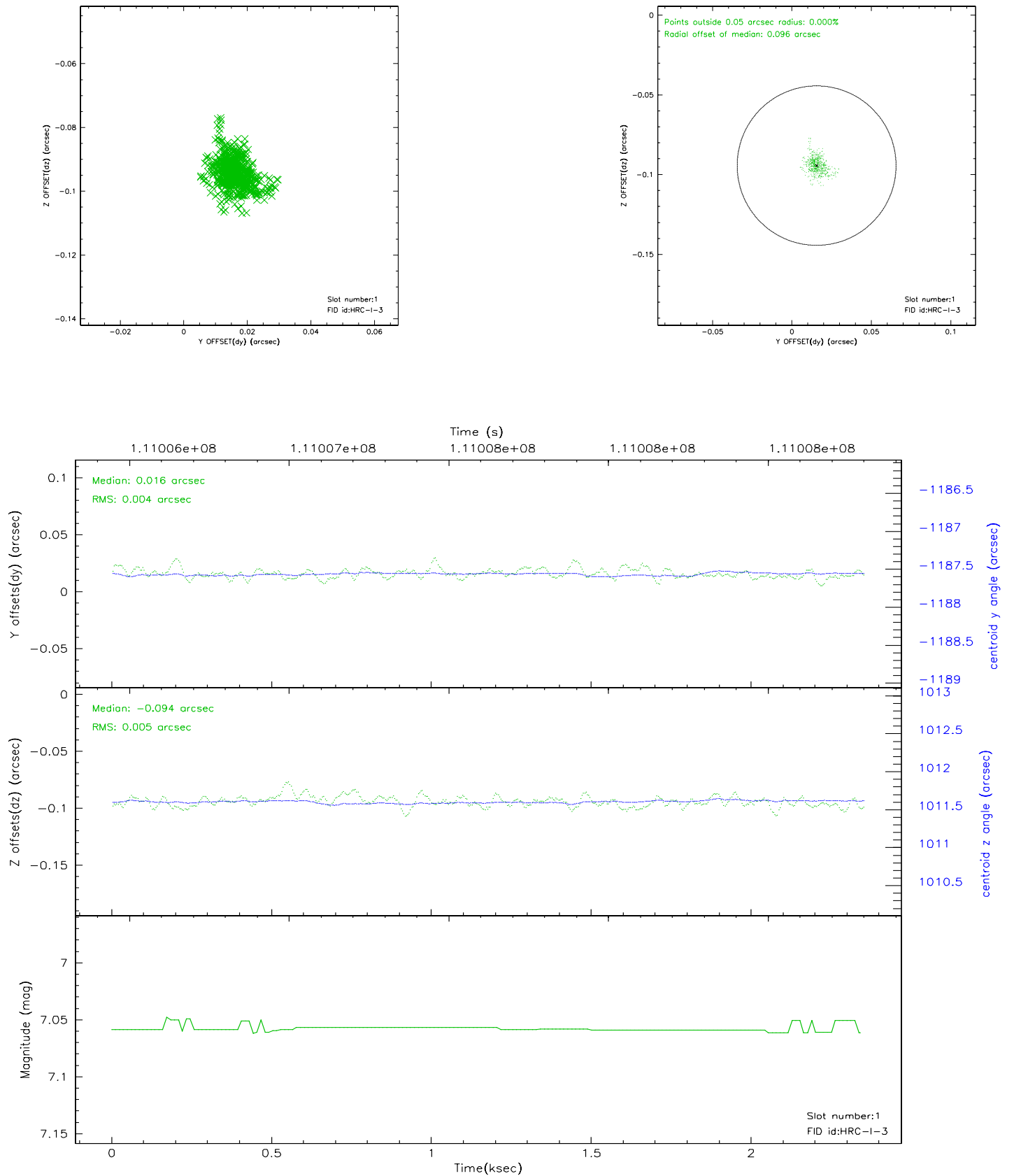


## 2.5 FID Slots

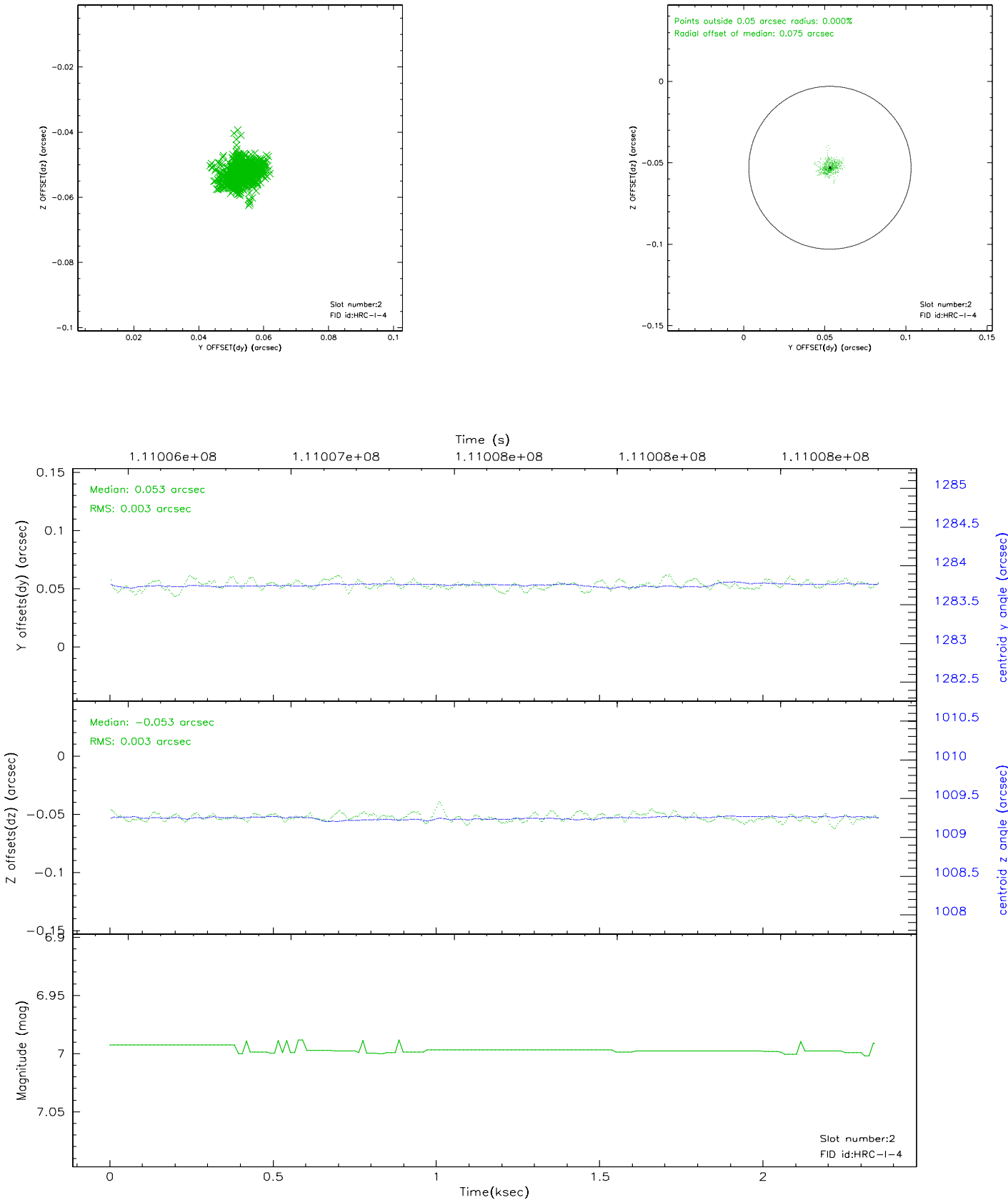
### 2.5.1 Slot 0



## 2.5.2 Slot 1

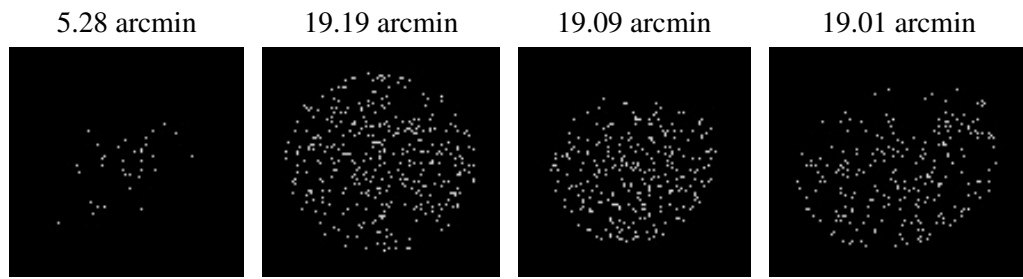


2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.043

## 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.