

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 994 - L2 Version 001  
Chandra X-Ray Center

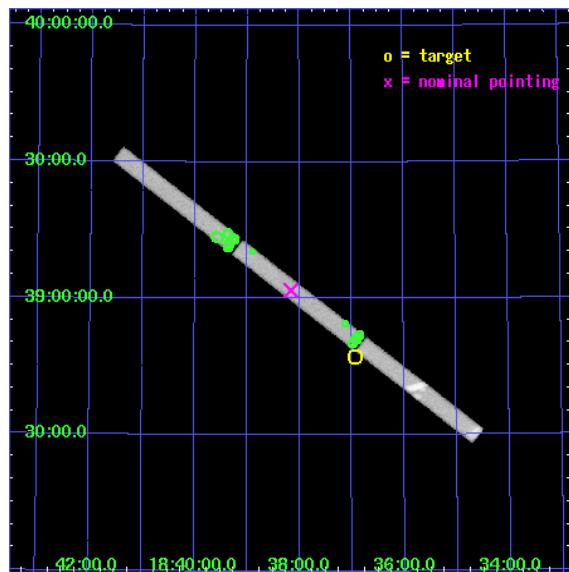
L2 Processing Date : Nov 6 2006

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# 1 Front

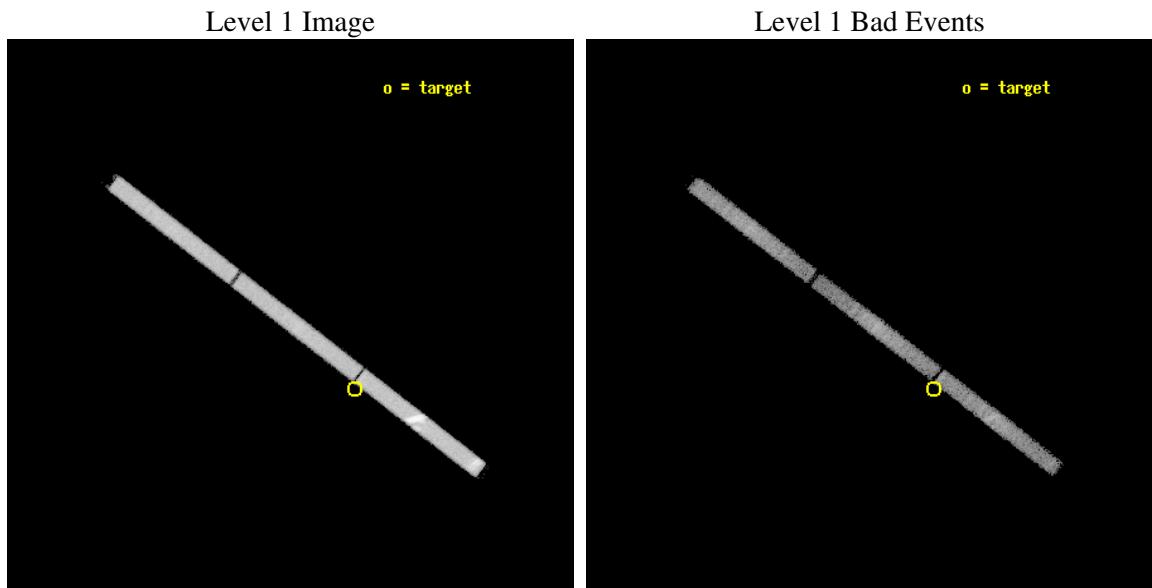
seq_num	290075
obs_id	994
title	CALIBRATION OBSERVATIONS OF VEGA TO MONITOR THE TRANSMISSION OF THE OPTICAL/UV FILTERS ON ACIS AND HRC
observer	Dr. CXC Calibration
object	VEGA, HRC-S, AO2
ra_targ	279.234792
dec_targ	38.783778
ra_nom	279.53968472125
dec_nom	39.029857528409
roll_nom	37.618745960698
revision	4
ontime	2694.9813537896
livetime	2679.2619207696
l2events	120588



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-11-06T11:29:17
revision	3

sched_exp_time	2500.000000
ontime	2694.9813537896
l1events	195498

### 2.1.3 Events

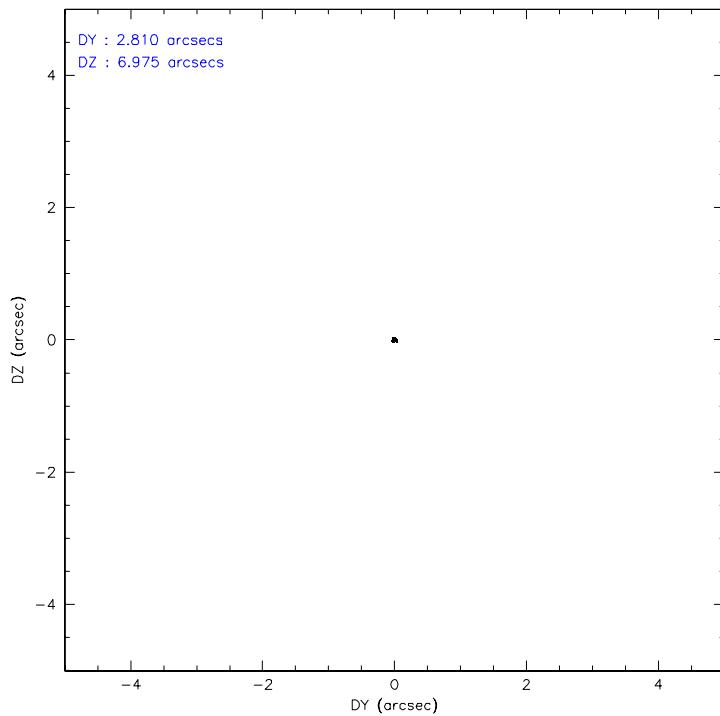
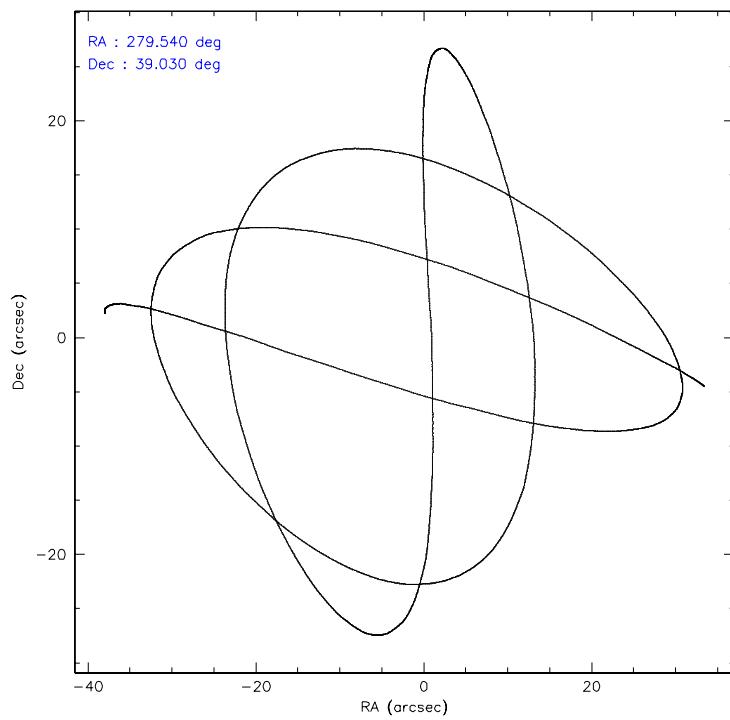
Level 1 Events

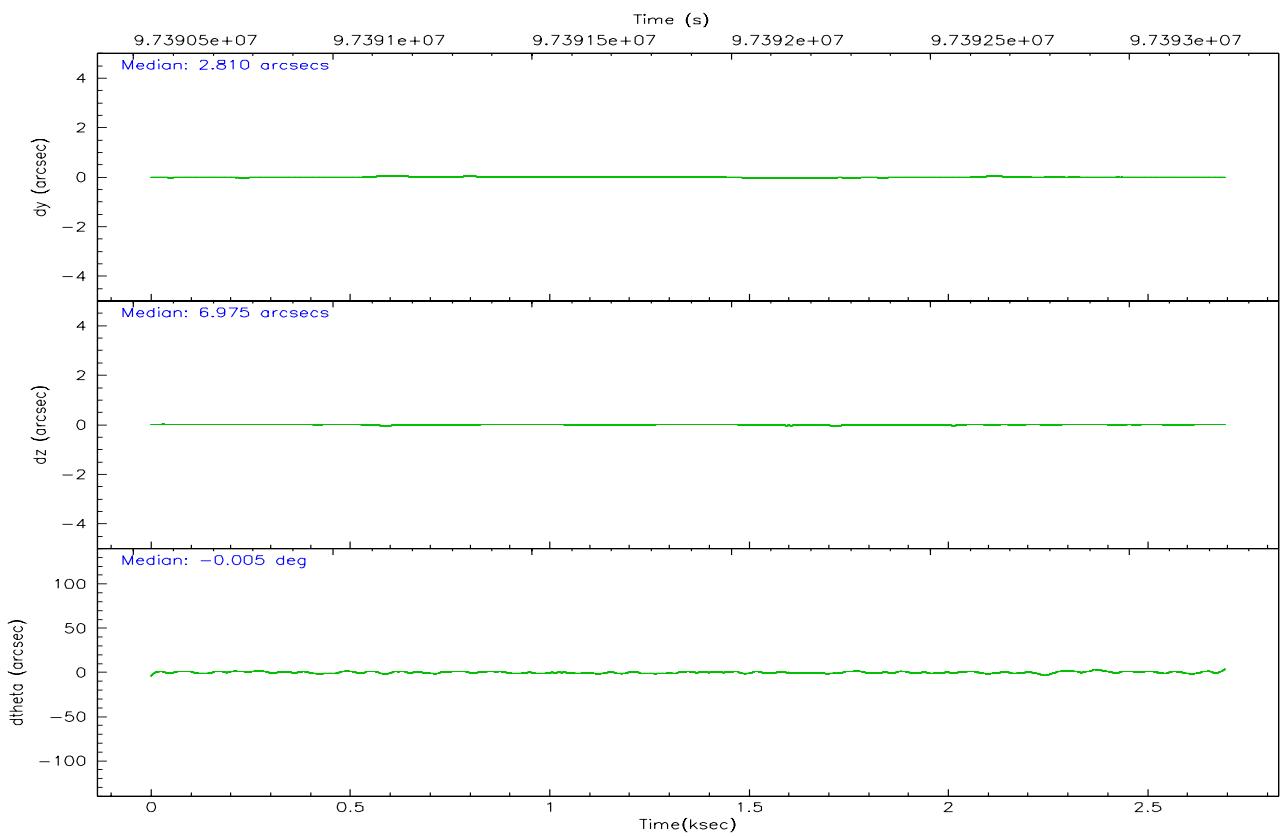
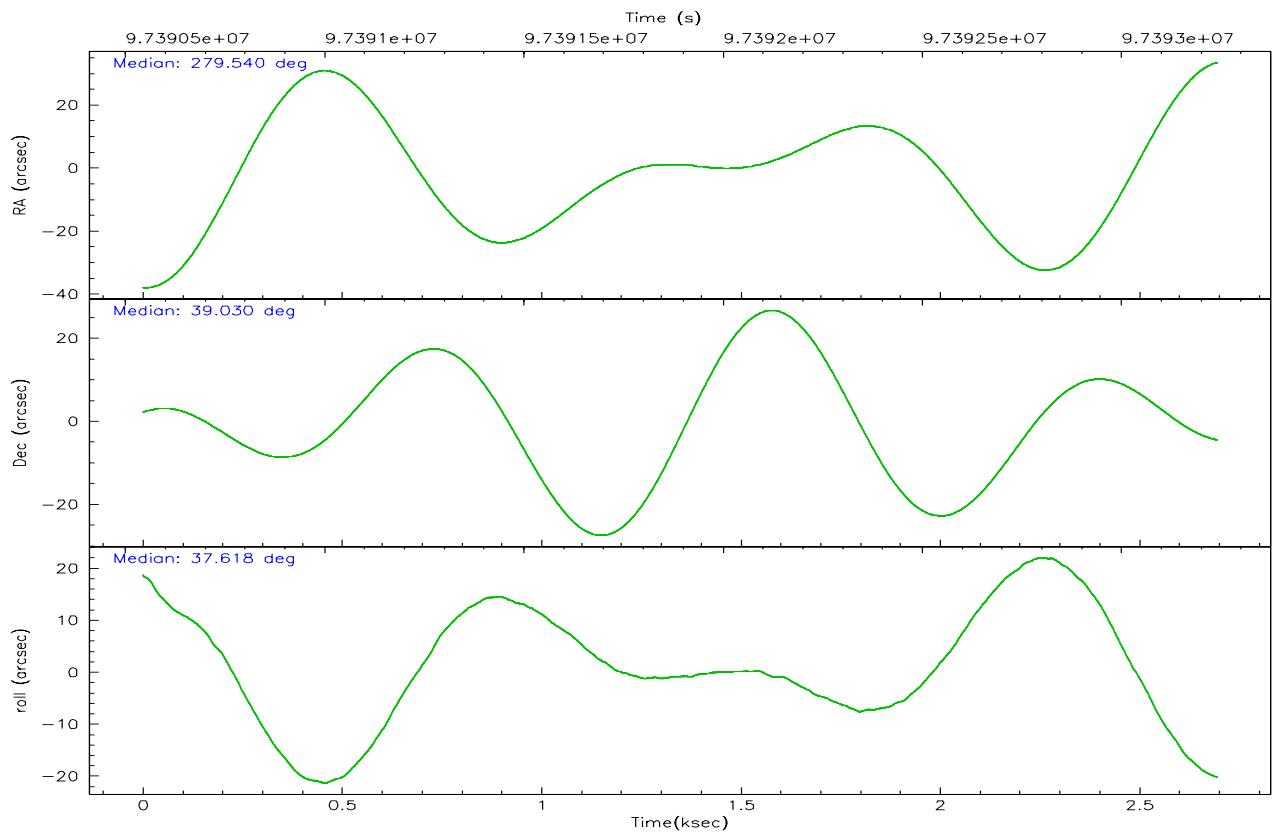
	segment 1	segment 2	segment 3
level 1 events	74846	59150	61502
rejected events	19912	18979	21308
rejected %	26%	32%	34%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	279.527263	279.5396847212489			
Pointing Dec	39.002770	39.02985752840858			
Pointing Roll	37.559242	37.61874596069762			
Window start time	97372864.184000	97372864.184000			
Window stop time	99705664.184000	99705664.184000			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	97390739.184000	97390363.00482801			
Observation start date	2001-02-01T04:57:55	2001-02-01T04:52:43			
Observation end time	97393239.184000	97393373.42994399			
Observation end date	2001-02-01T05:39:35	2001-02-01T05:42:53			

## 2.3 Aspect





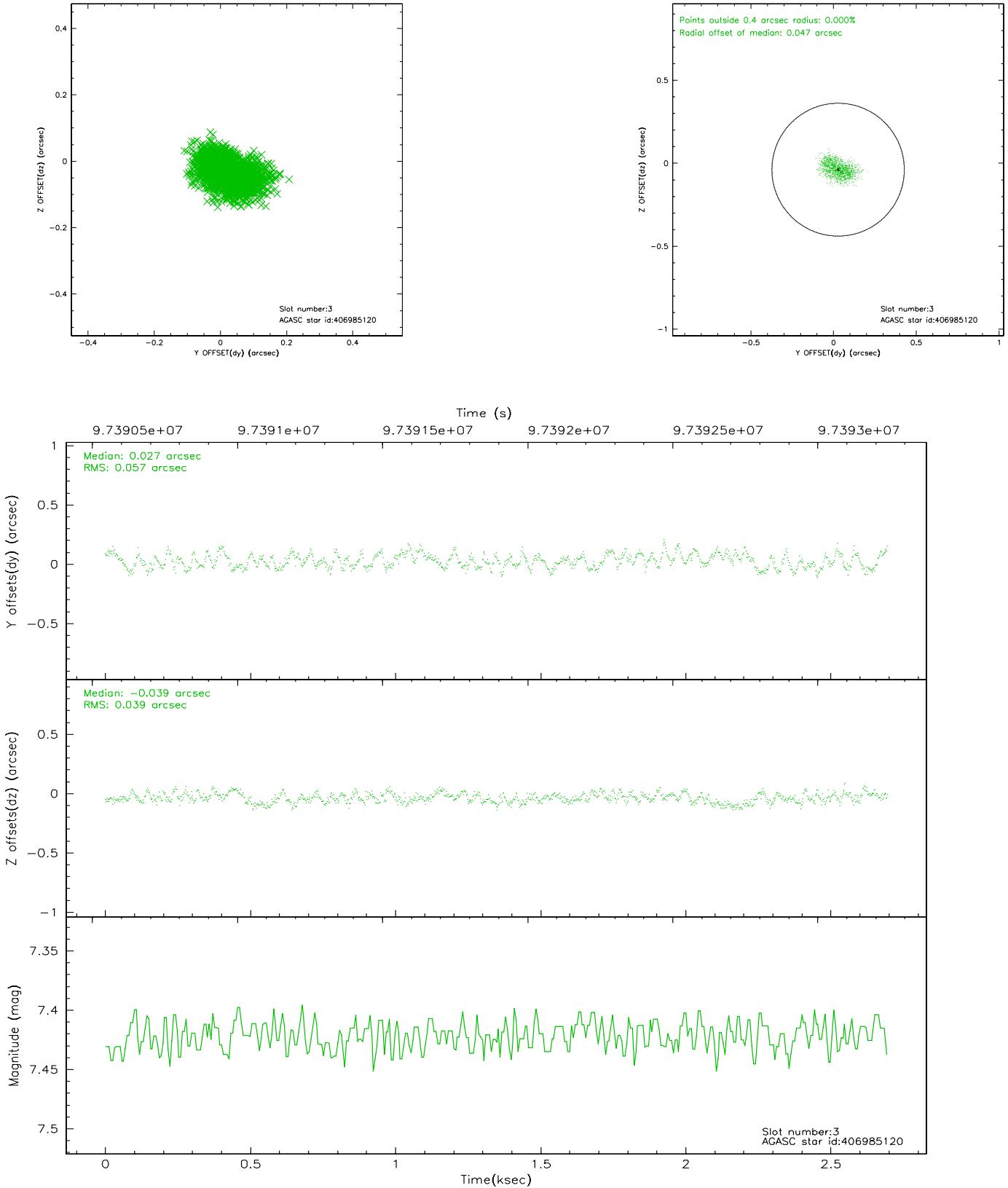
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	658	0.103	-0.088	0.006	0.009	0.000000	0.000000	-1156.86	-455.52
1	FID	HRC-S-3	7.00	658	0.152	-0.120	0.007	0.012	0.000000	0.000000	-1161.32	573.29
2	FID	HRC-S-4	6.93	658	0.134	-0.089	0.005	0.009	0.000000	0.000000	1239.64	577.51
3	GUIDE	406985120	7.42	1316	0.027	-0.039	0.075	0.114	278.839732	38.894839	-1759.47	871.20
4	GUIDE	407513096	8.14	1316	-0.172	-0.079	0.051	0.082	279.928965	39.436841	1837.96	559.70
5	GUIDE	406989616	8.22	1316	0.078	0.056	0.066	0.108	279.202881	38.520843	-1779.39	-817.44
6	GUIDE	407521232	8.64	1316	0.034	0.002	0.065	0.103	279.628883	39.431715	1164.10	1050.61
7	GUIDE	406983600	8.92	1315	0.021	0.067	0.062	0.104	279.940957	39.020708	959.16	-652.12

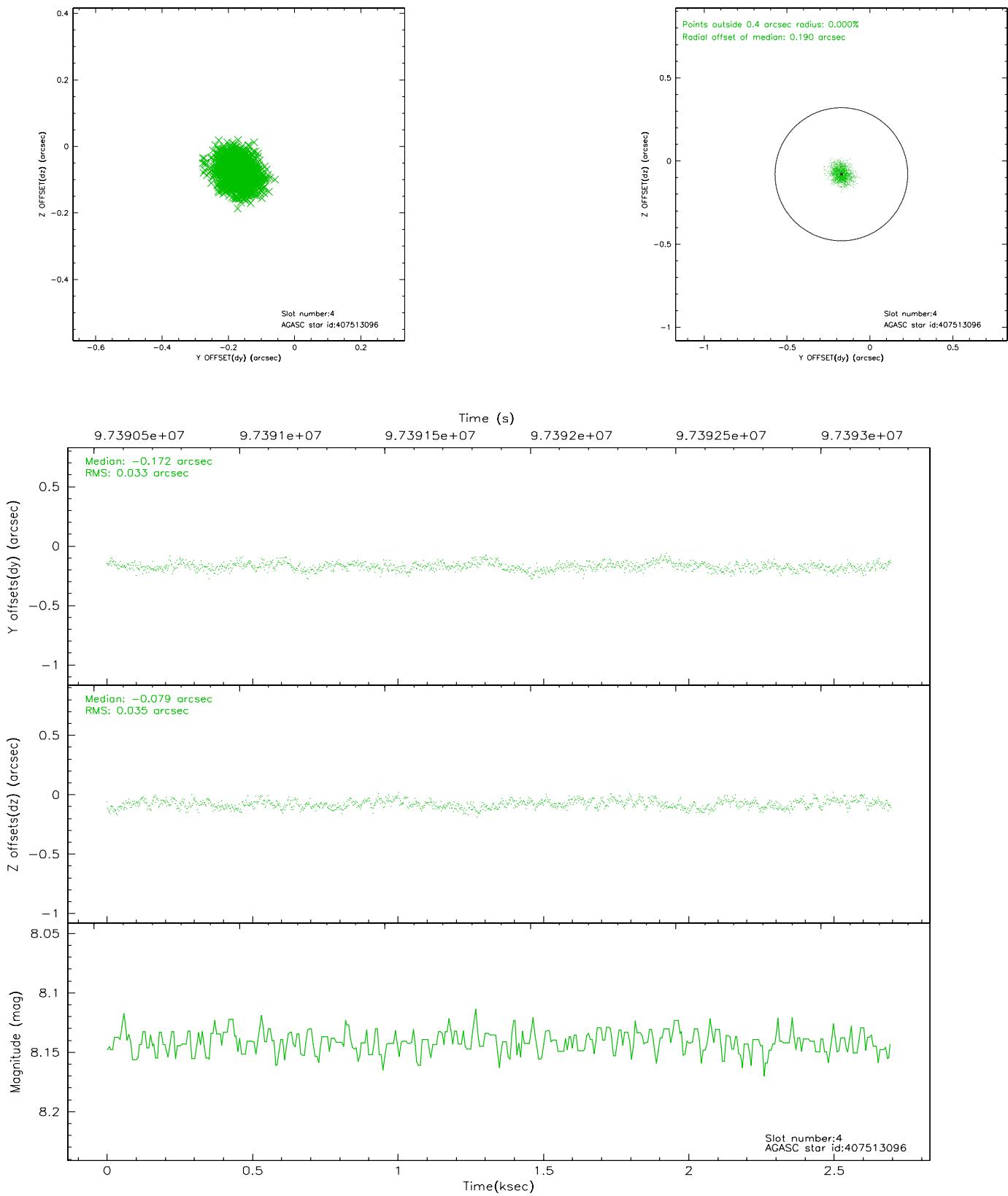
∞

## 2.4 Star Slots

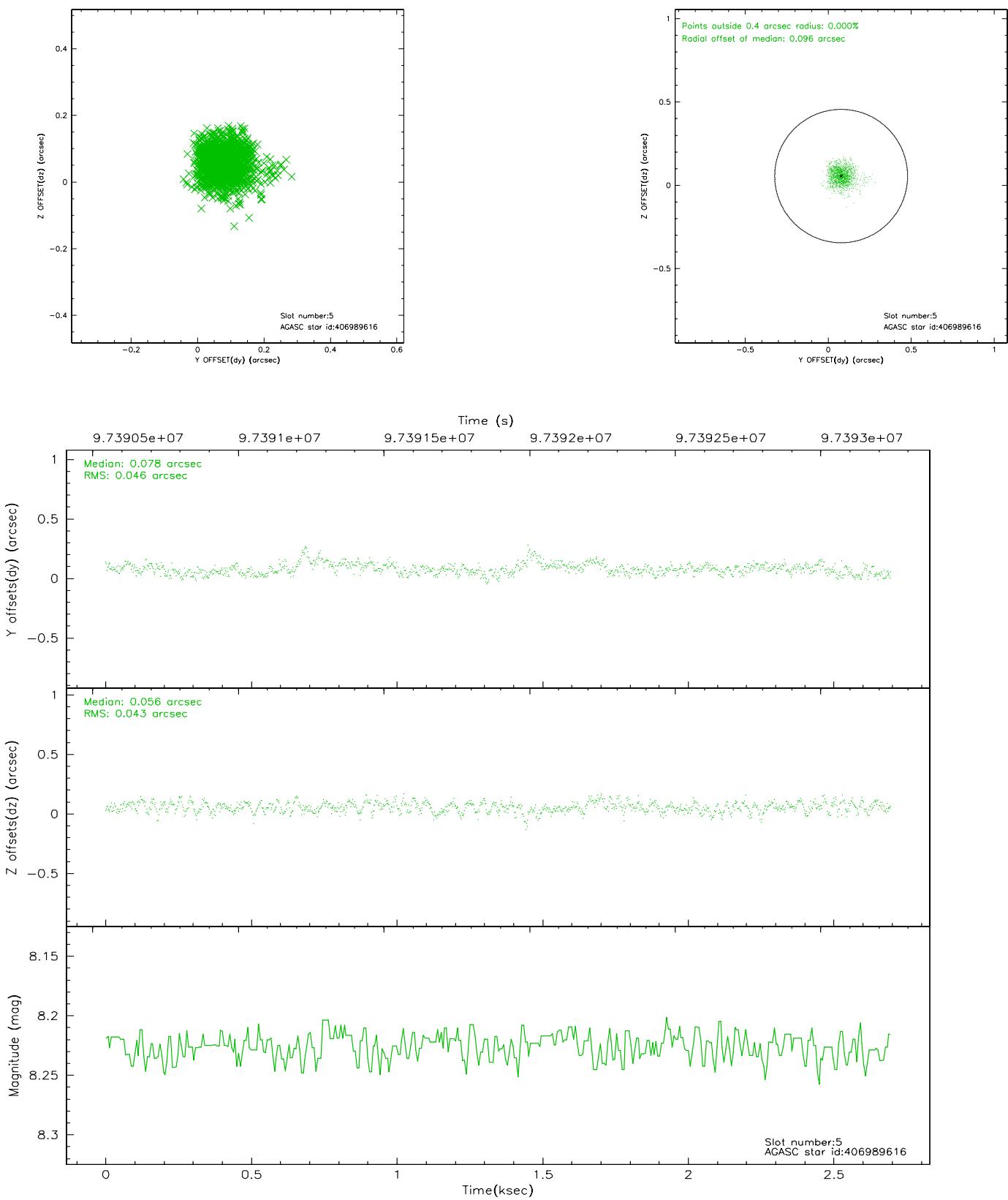
### 2.4.1 Slot 3



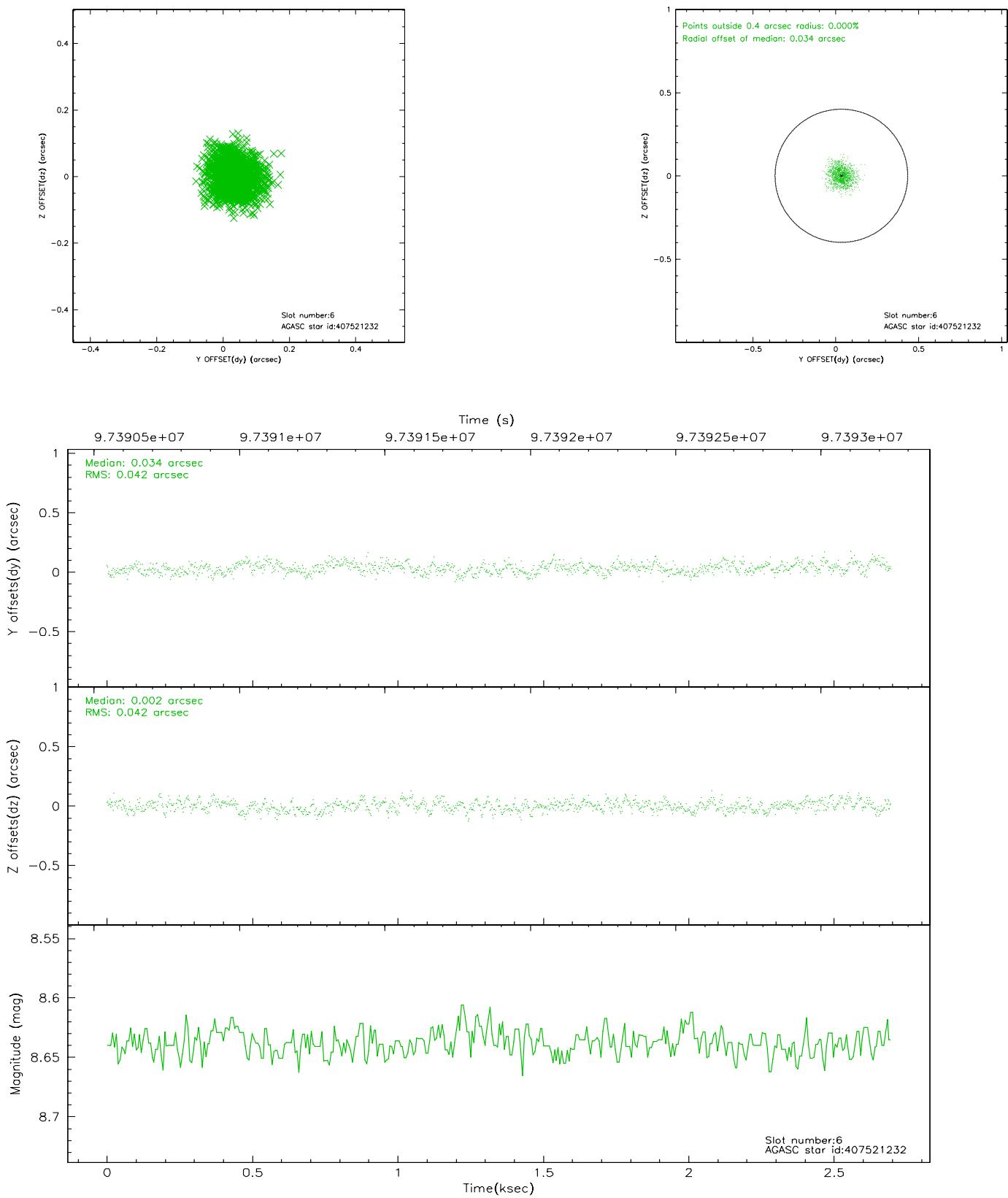
## 2.4.2 Slot 4



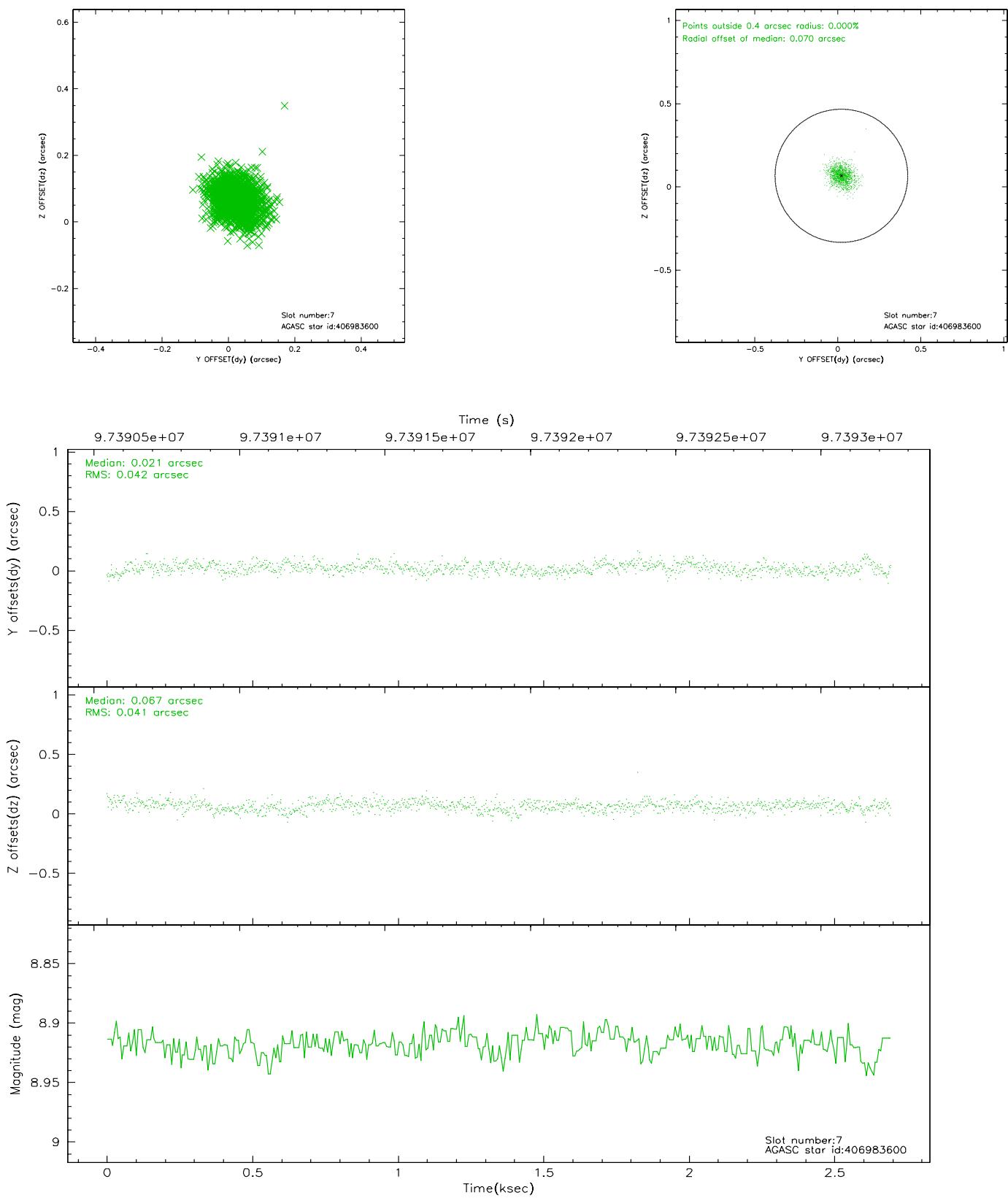
### 2.4.3 Slot 5



## 2.4.4 Slot 6

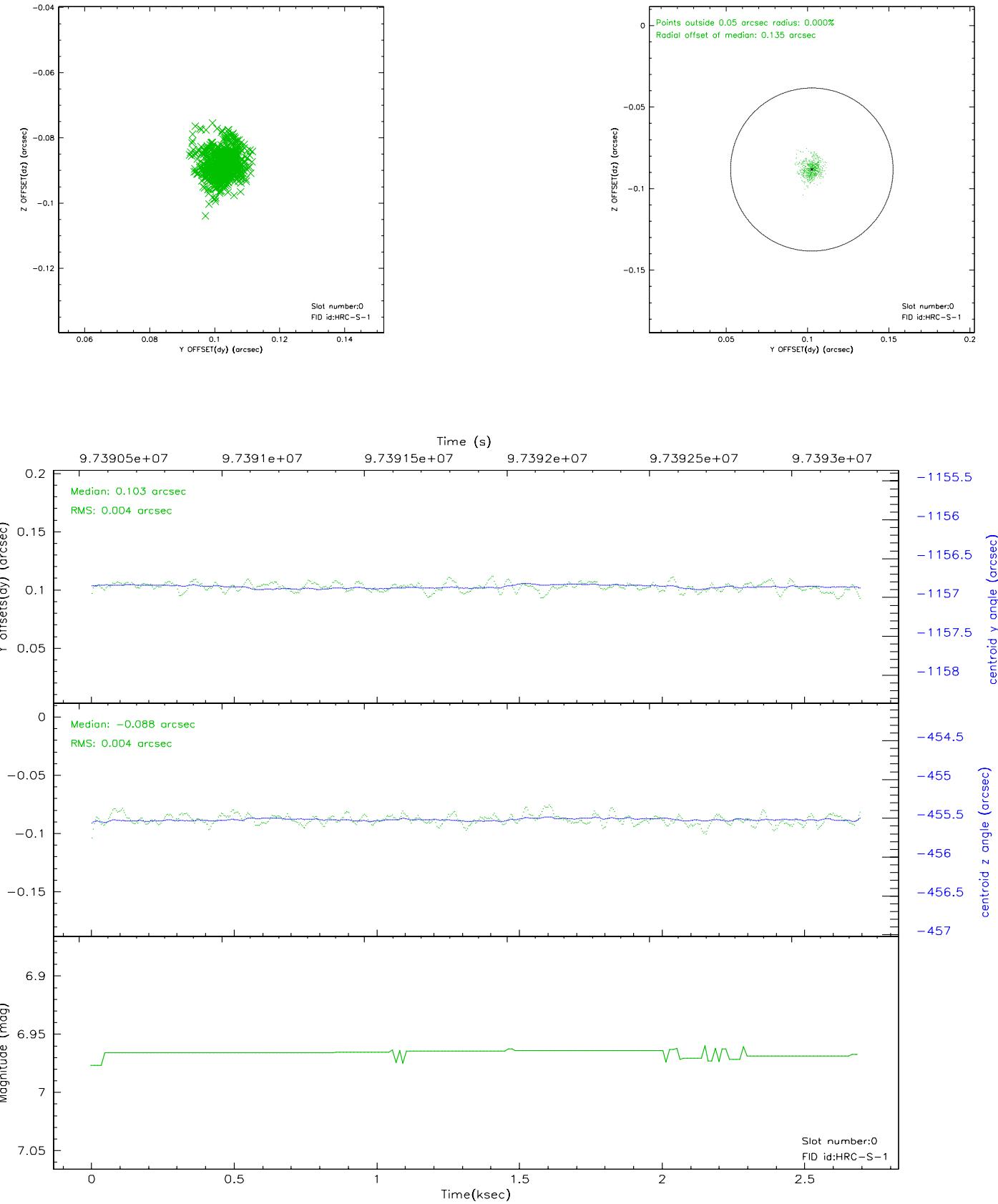


## 2.4.5 Slot 7

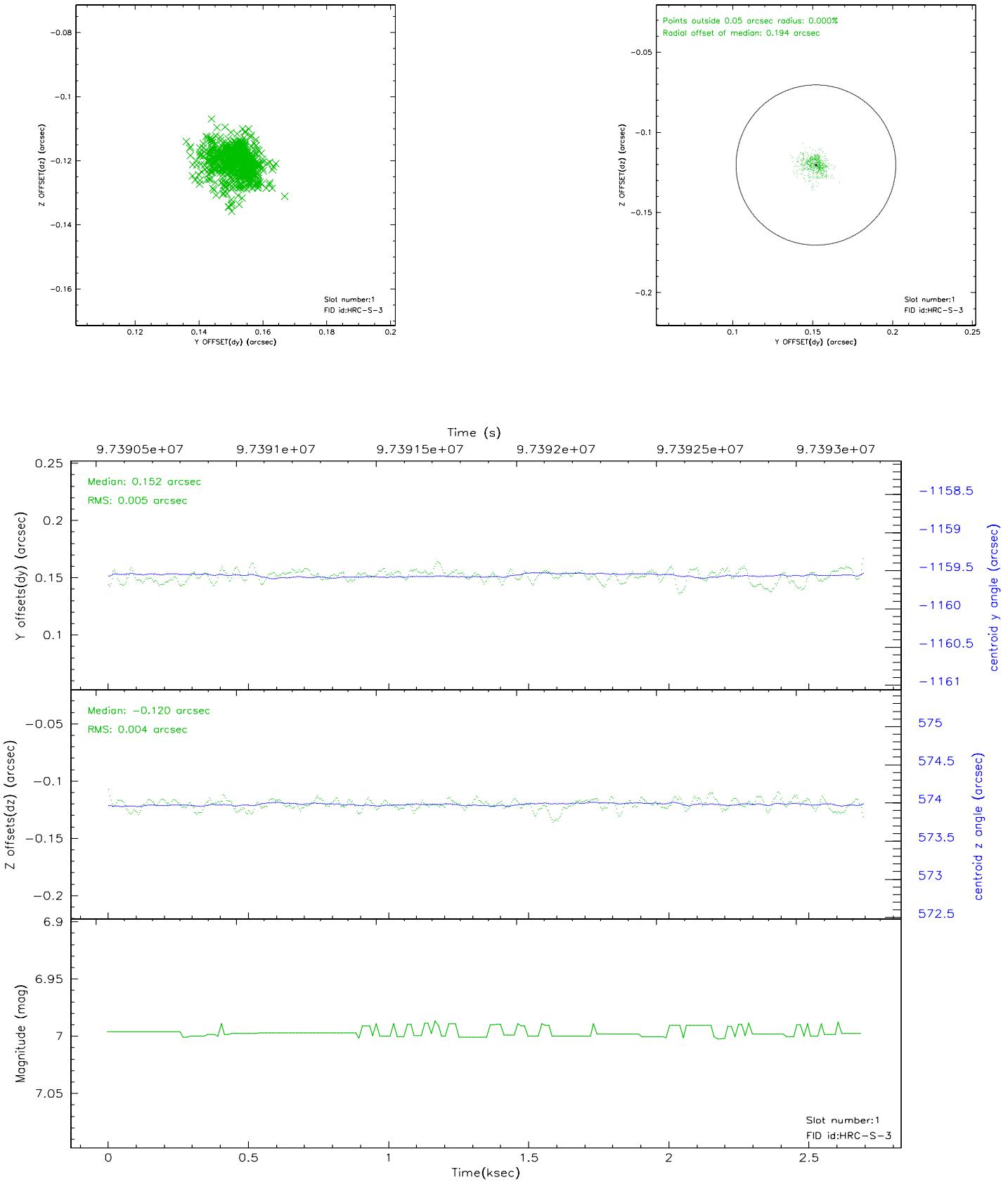


## 2.5 FID Slots

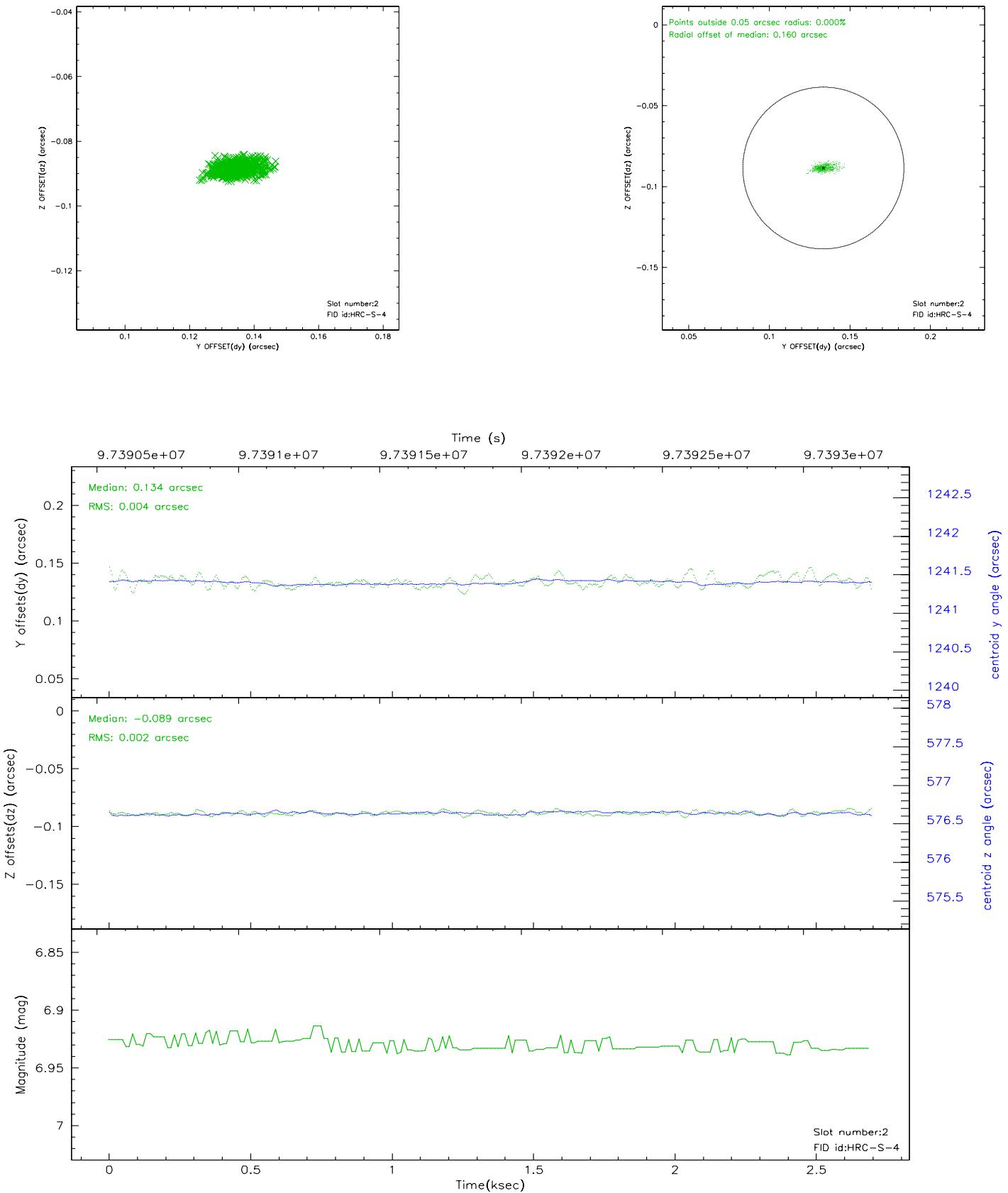
### 2.5.1 Slot 0



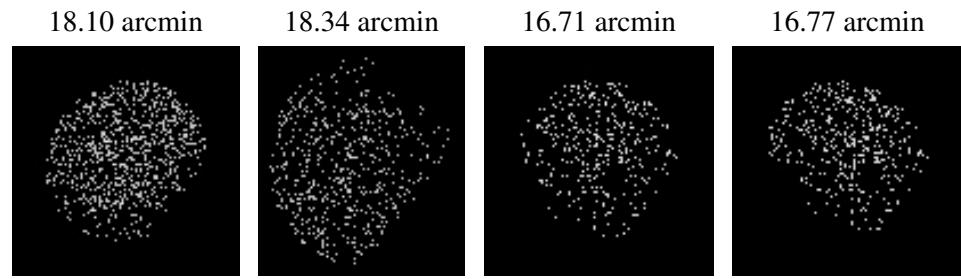
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.692

## A.2 Comments

Charge time:

Charge time for this ObsId remains at previous value of 2.692 ks although with the current processing it would have been 2.694 ksec.

Window constraint met.

The target is off axis and off the chip, causing extended and distorted reflections to fall onto the detector.