

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 5349 - L2 Version 002  
Chandra X-Ray Center

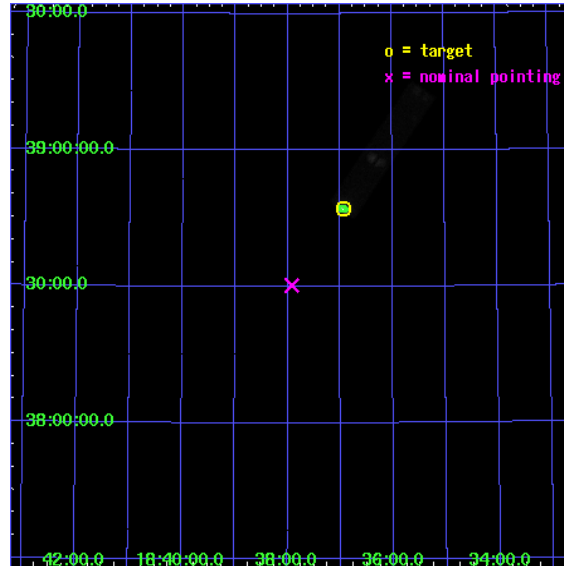
L2 Processing Date : Aug 4 2006

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# 1 Front

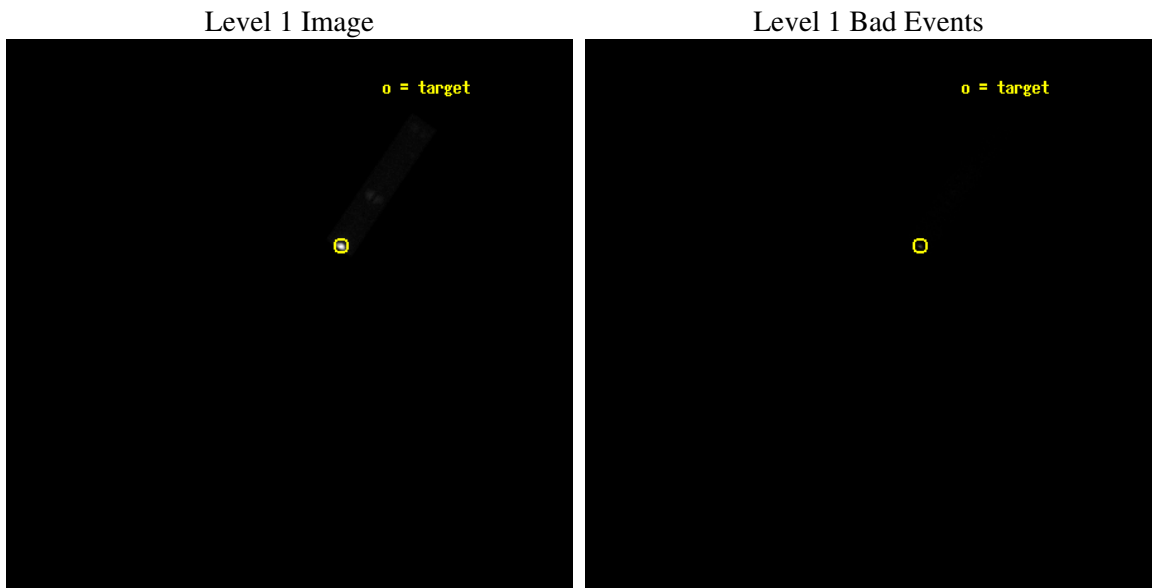
seq_num	290446
obs_id	5349
title	Monitoring the health of the HRC UV Ion shield
observer	Dr. CXC Calibration
object	Vega
ra_targ	279.235
dec_targ	38.783778
ra_nom	279.47932003218
dec_nom	38.504652503014
roll_nom	304.36194207064
revision	3
ontime	3186.9813928902
livetime	1199.9936905421
l2events	495123



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.8.1
caldbver	3.2.2
date	2006-08-04T03:18:16
revision	3

sched_exp_time	3000.000000
ontime	3188.0063929558
l1events	615867

### 2.1.3 Events

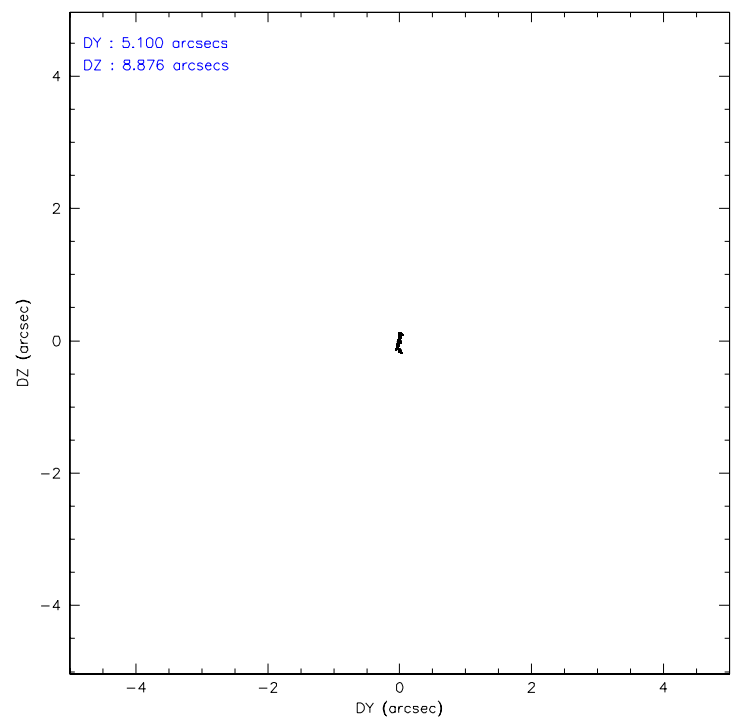
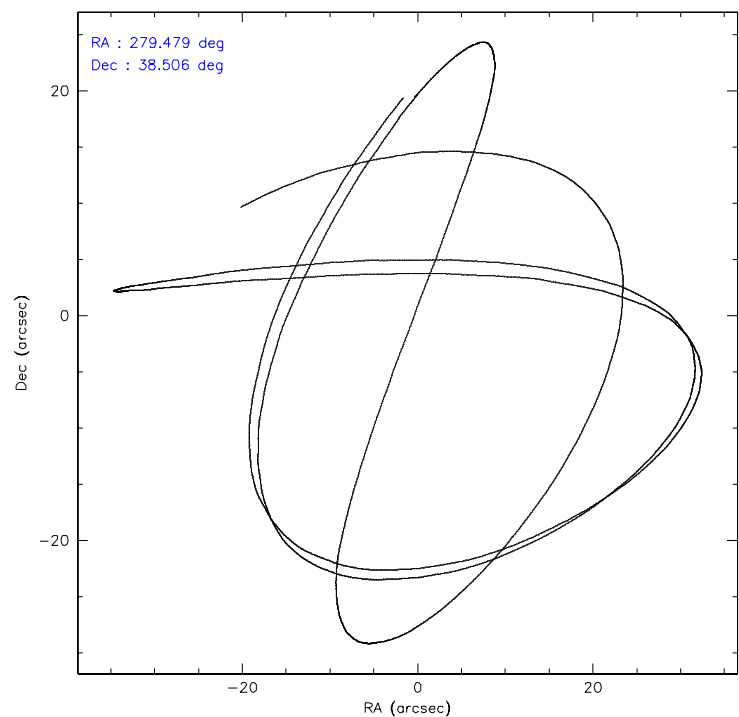
Level 1 Events

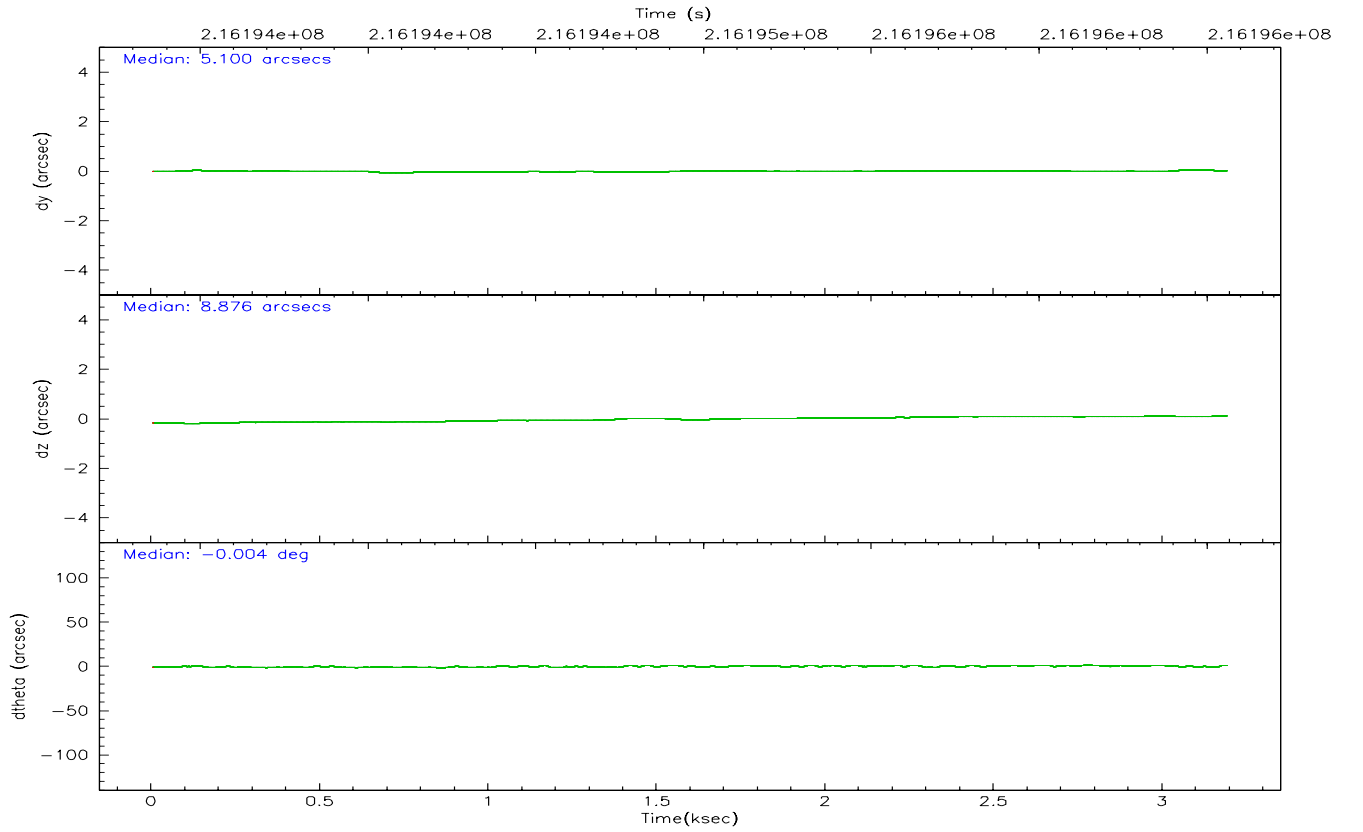
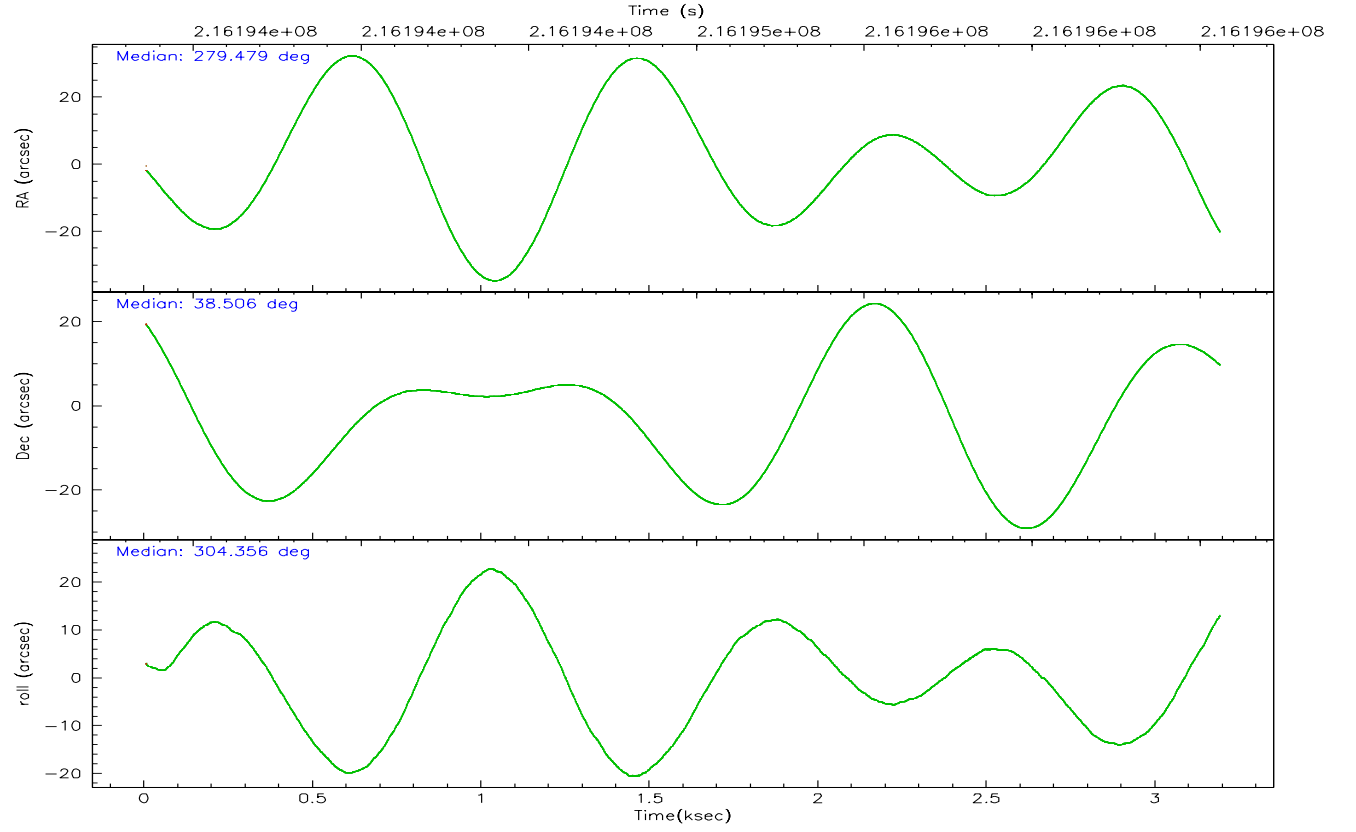
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	615810	52	5
rejected events	39549	23	5
rejected %	6%	44%	100%

## 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	279.445487	279.4793200321823			
Pointing Dec	38.515789	38.50465250301441			
Pointing Roll	304.315684	304.3619420706382			
Window start time	215654464.184000	215654464.184000			
Window stop time	218246404.184000	218246404.184000			
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	216193554.184000	216193178.48677			
Observation start date	2004-11-07T05:44:50	2004-11-07T05:39:38			
Observation end time	216196554.184000	216197225.69945			
Observation end date	2004-11-07T06:34:50	2004-11-07T06:47:05			

### 2.3 Aspect





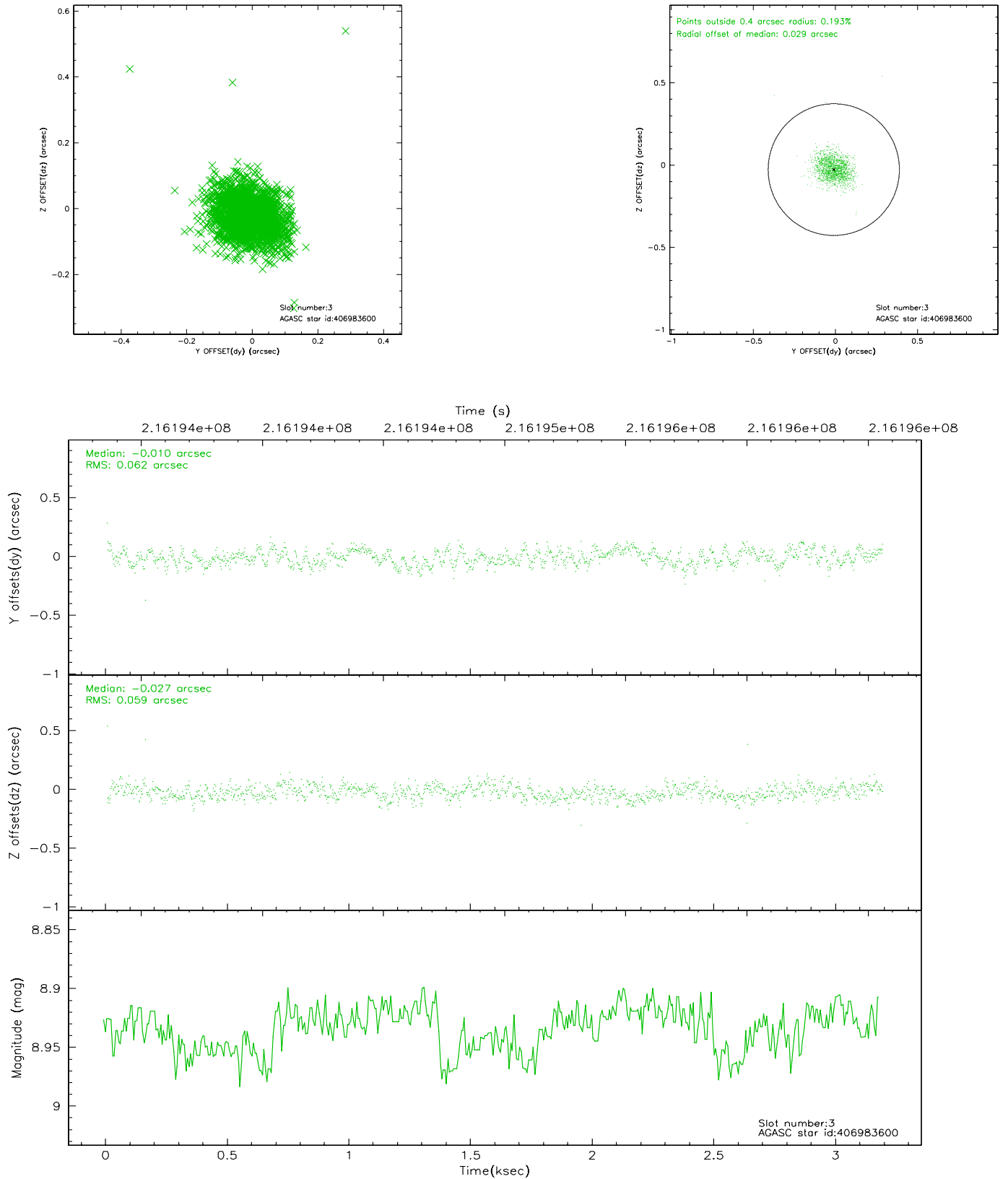
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	778	0.118	-0.175	0.009	0.014	0.000000	0.000000	-1159.20	-457.52
1	FID	HRC-S-2	6.99	778	0.127	-0.094	0.004	0.008	0.000000	0.000000	1239.00	-450.66
2	FID	HRC-S-3	7.01	778	0.145	-0.033	0.008	0.014	0.000000	0.000000	-1160.31	571.57
3	GUIDE	406983600	8.93	1556	-0.010	-0.027	0.088	0.139	279.940957	39.020708	-722.97	2171.54
4	GUIDE	406985120	7.42	1556	-0.084	0.062	0.064	0.101	278.839732	38.894839	-2089.12	-628.13
5	GUIDE	406990192	8.99	1554	0.024	-0.054	0.089	0.152	278.510952	38.533654	-1549.03	-2130.43
6	GUIDE	406992968	7.66	1556	0.018	-0.069	0.064	0.101	279.925490	37.993090	2317.64	64.89
7	GUIDE	406993992	7.63	1555	0.051	0.091	0.062	0.104	279.053714	38.034587	804.44	-1892.41

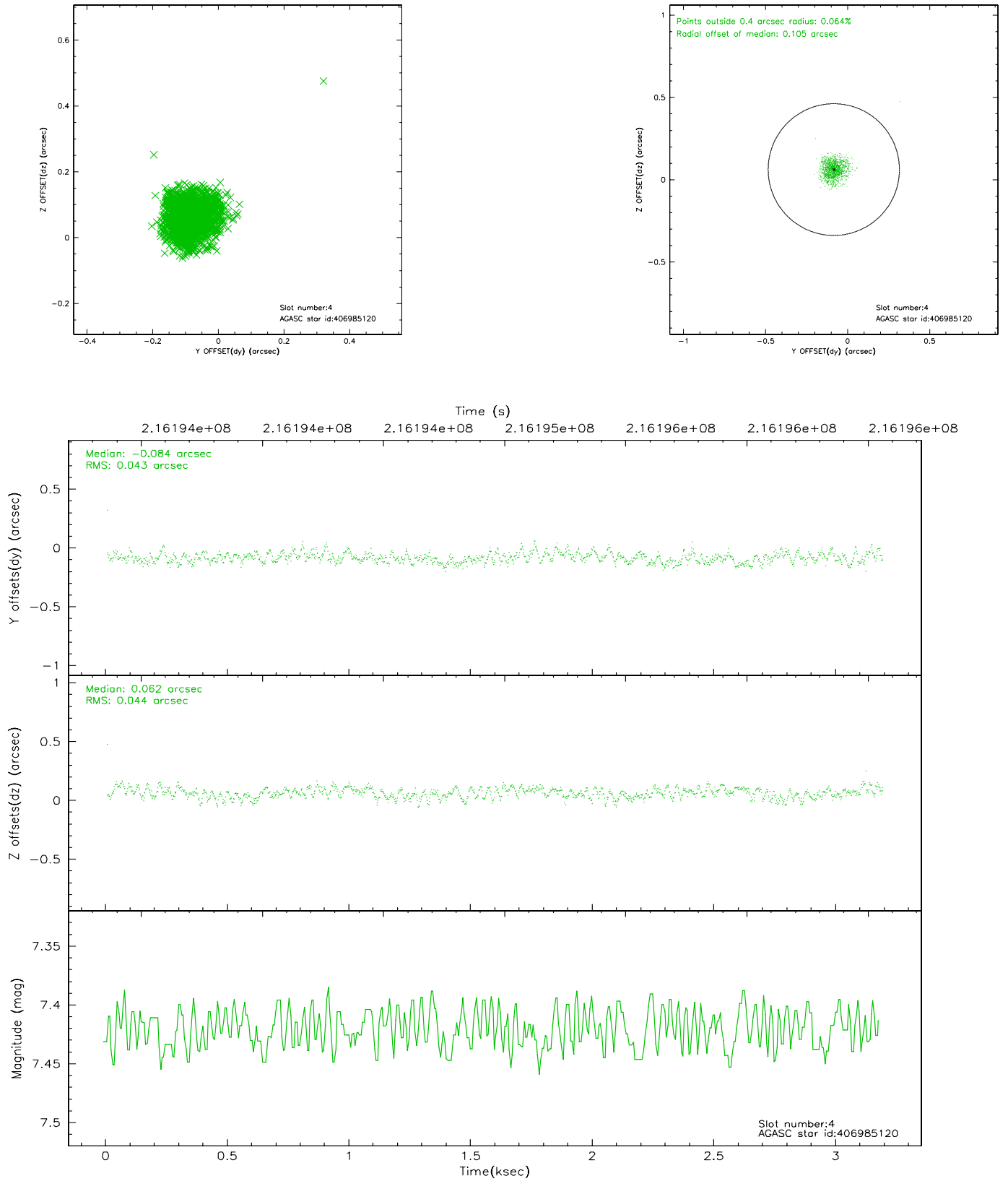


## 2.4 Star Slots

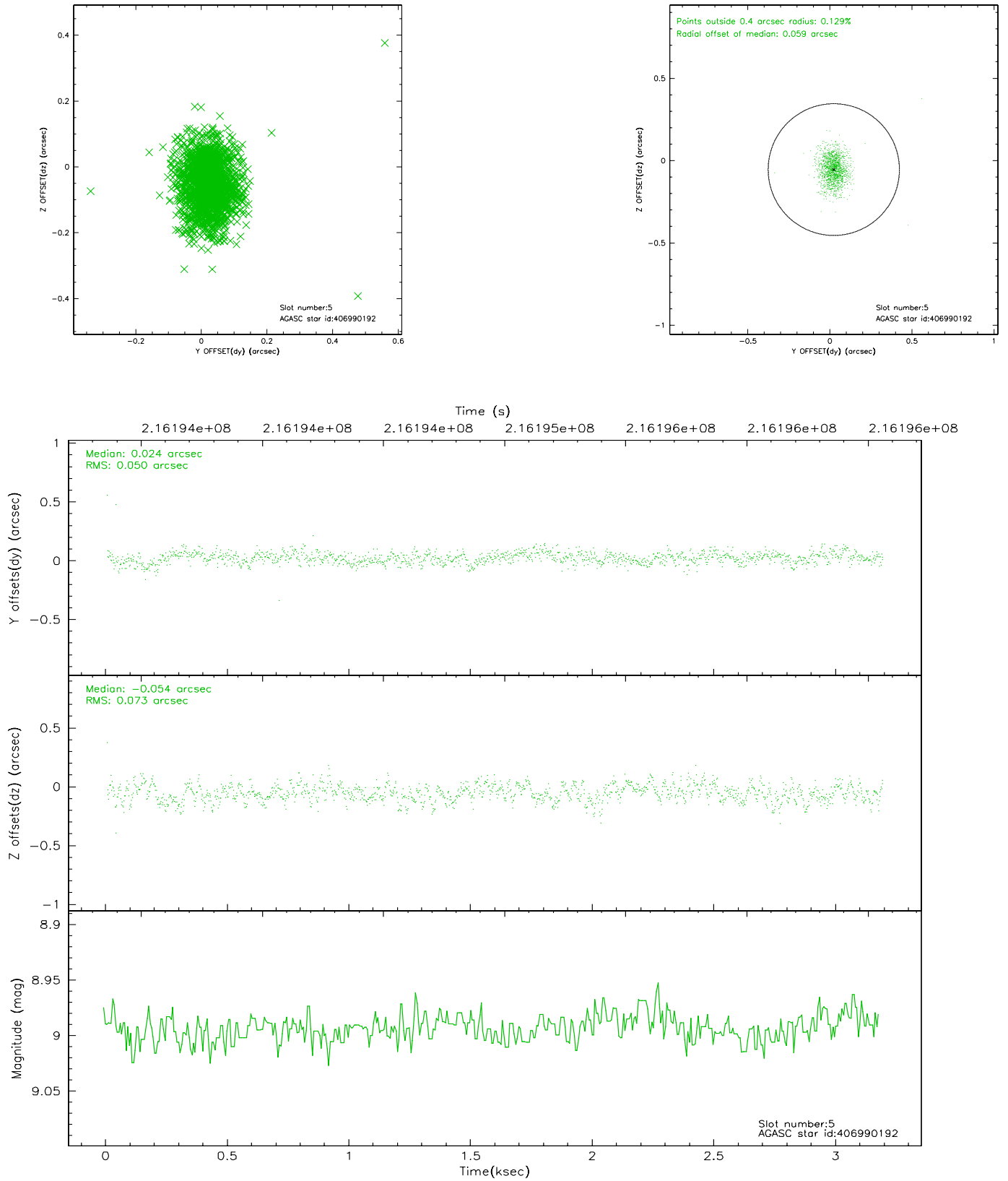
### 2.4.1 Slot 3



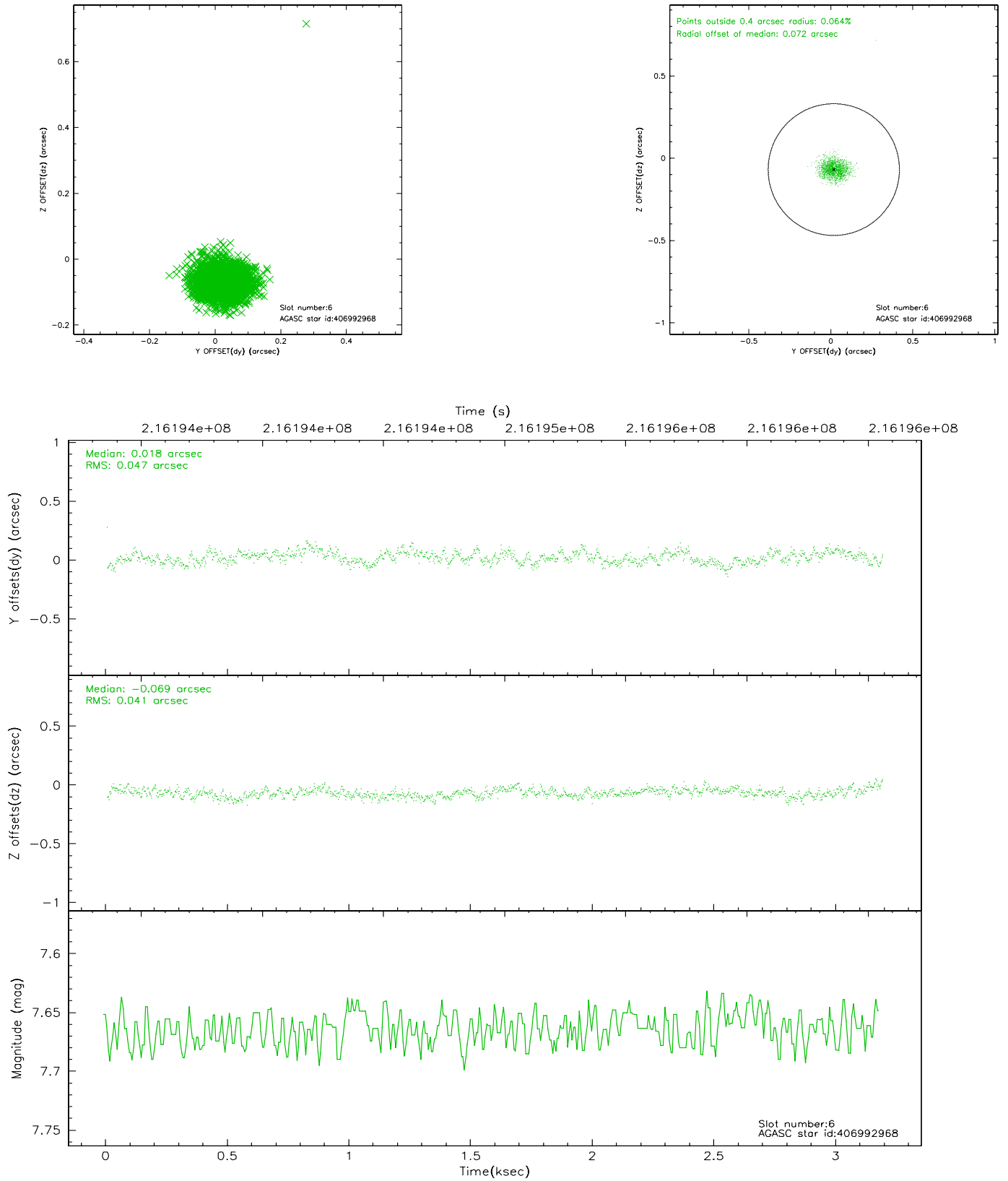
## 2.4.2 Slot 4



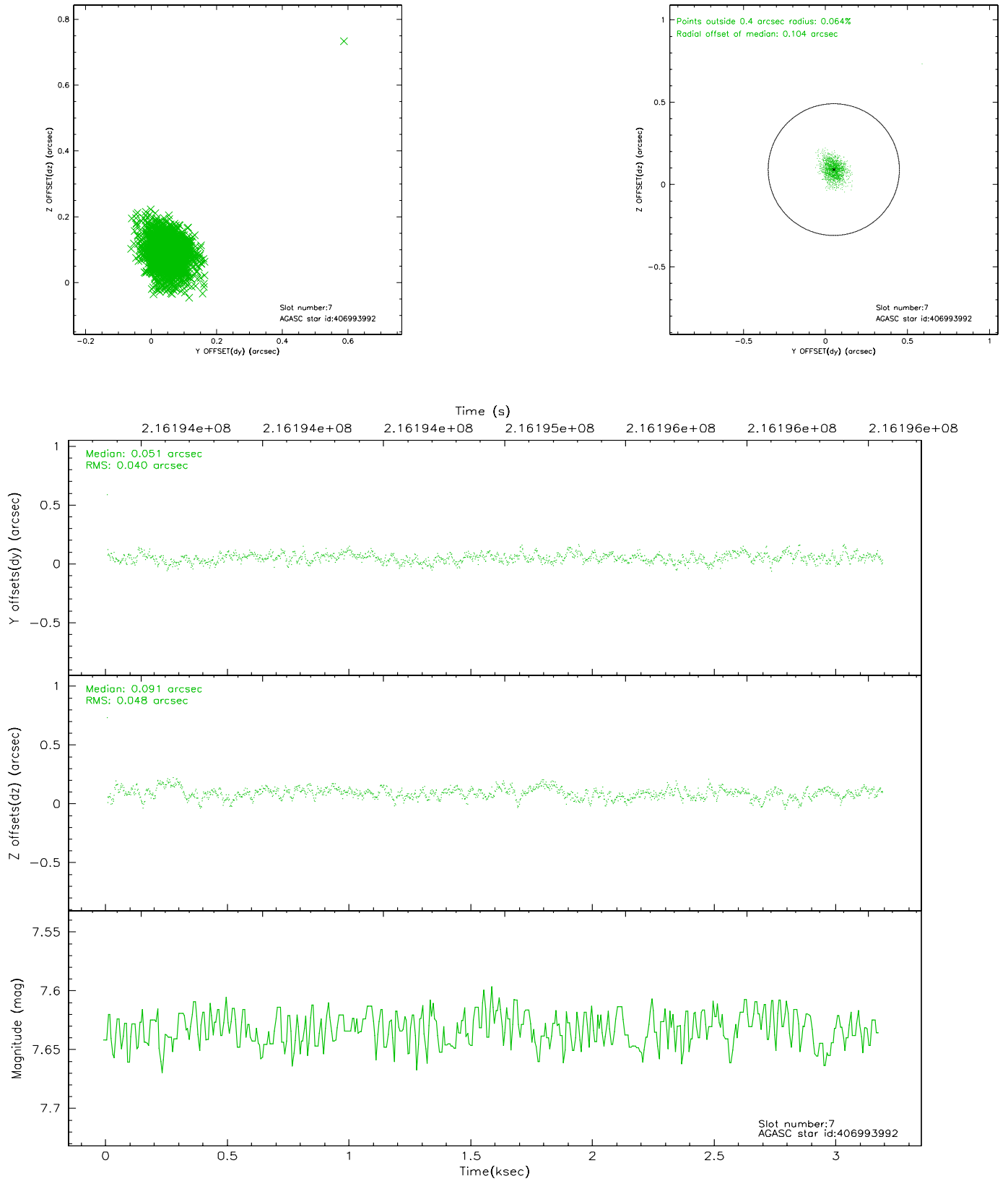
### 2.4.3 Slot 5



## 2.4.4 Slot 6

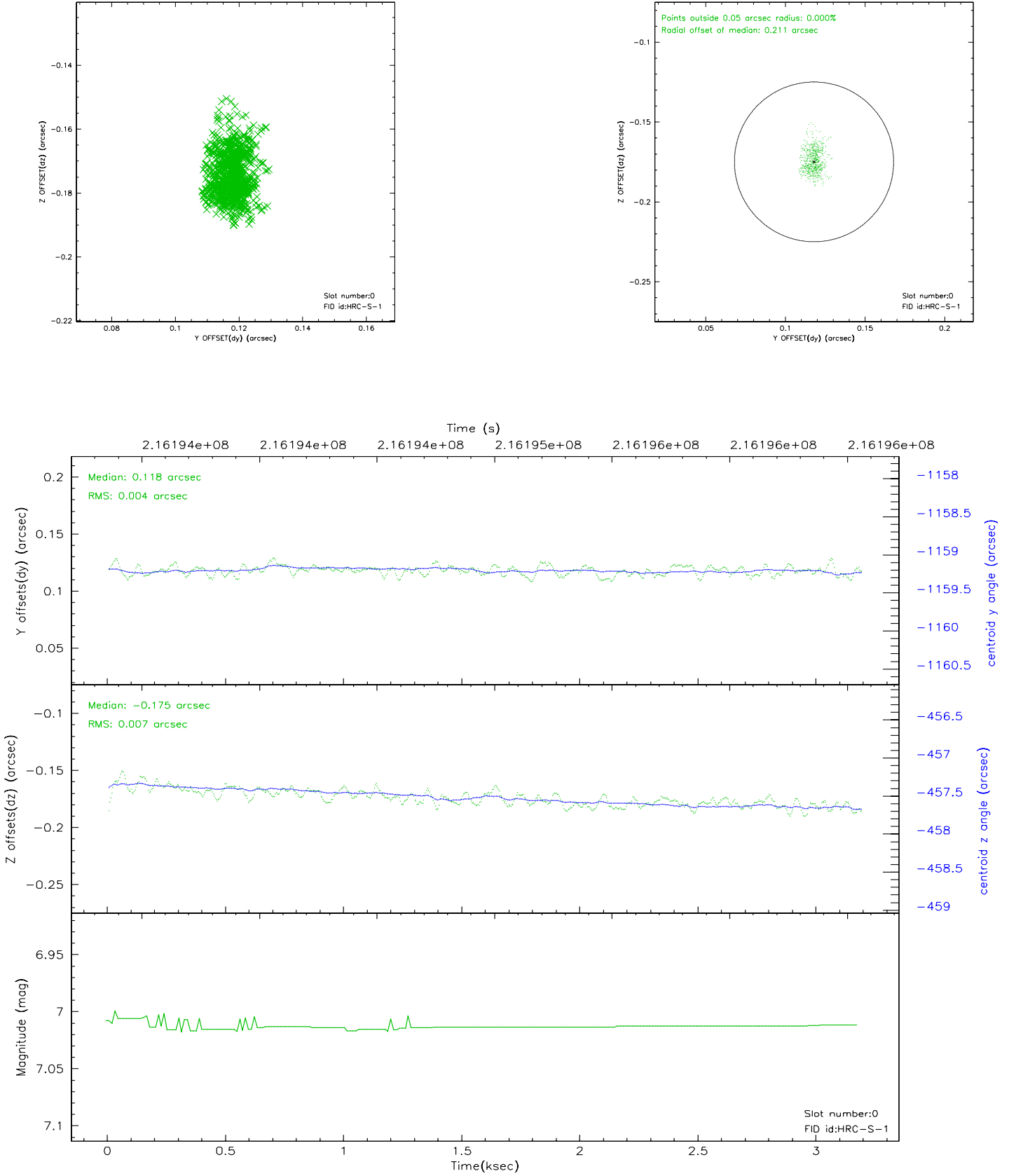


## 2.4.5 Slot 7

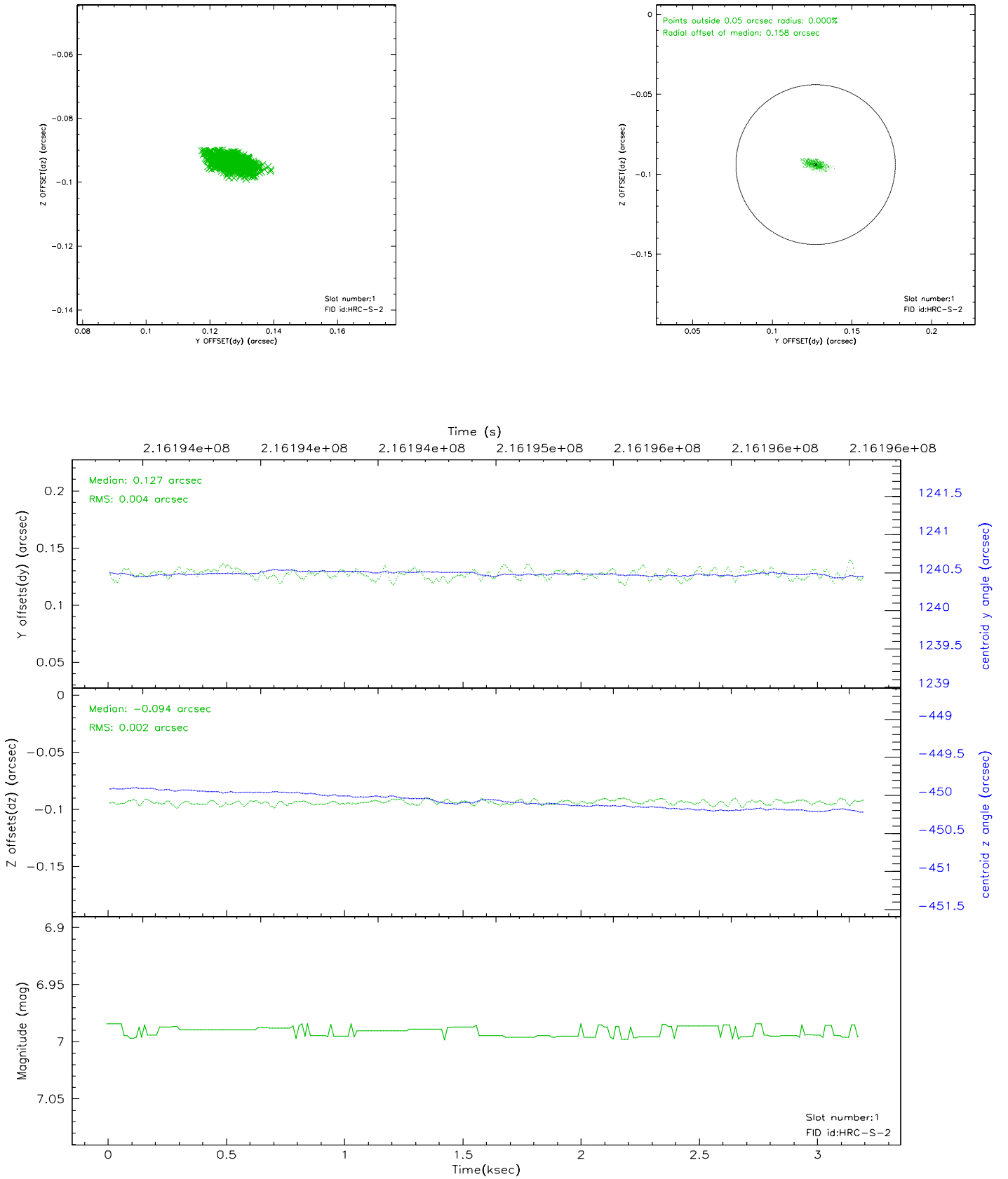


## 2.5 FID Slots

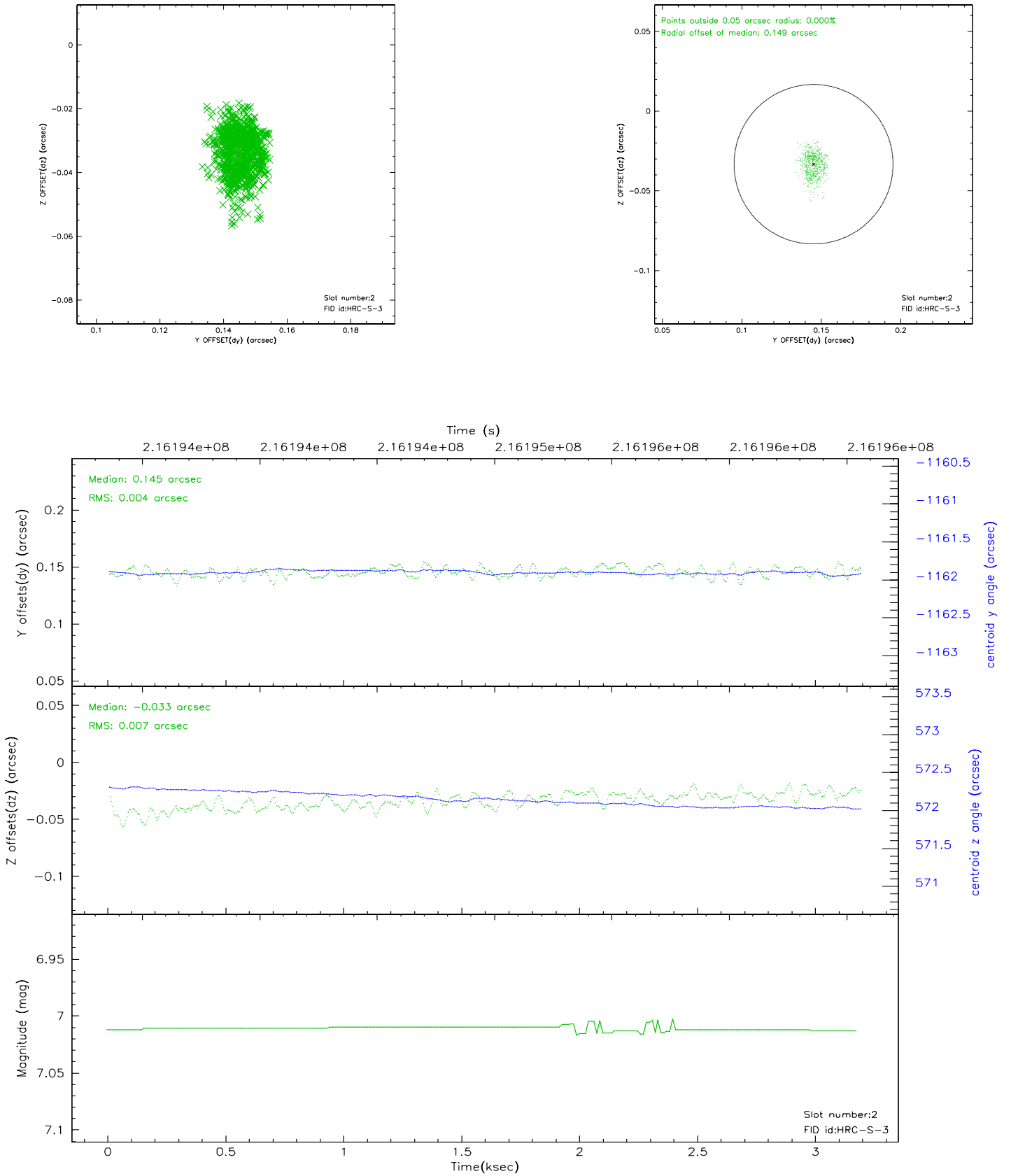
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





### 3 Point Sources

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.08.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.186

### A.2 Comments

Window constraint satisfied.