

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 1557 - L2 Version 001  
Chandra X-Ray Center

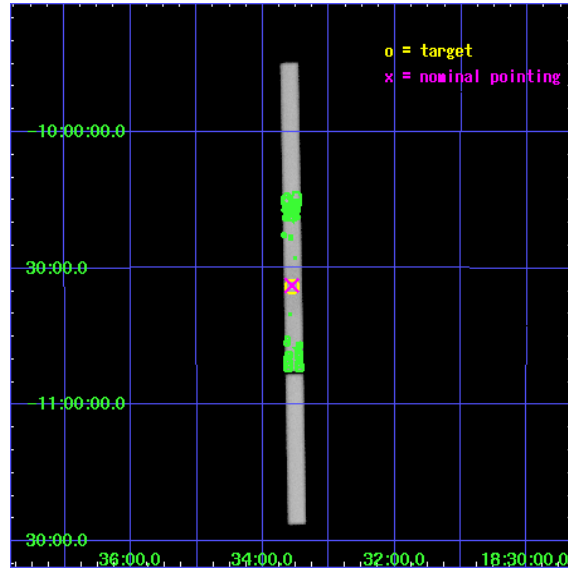
L2 Processing Date : Nov 7 2006

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# 1 Front

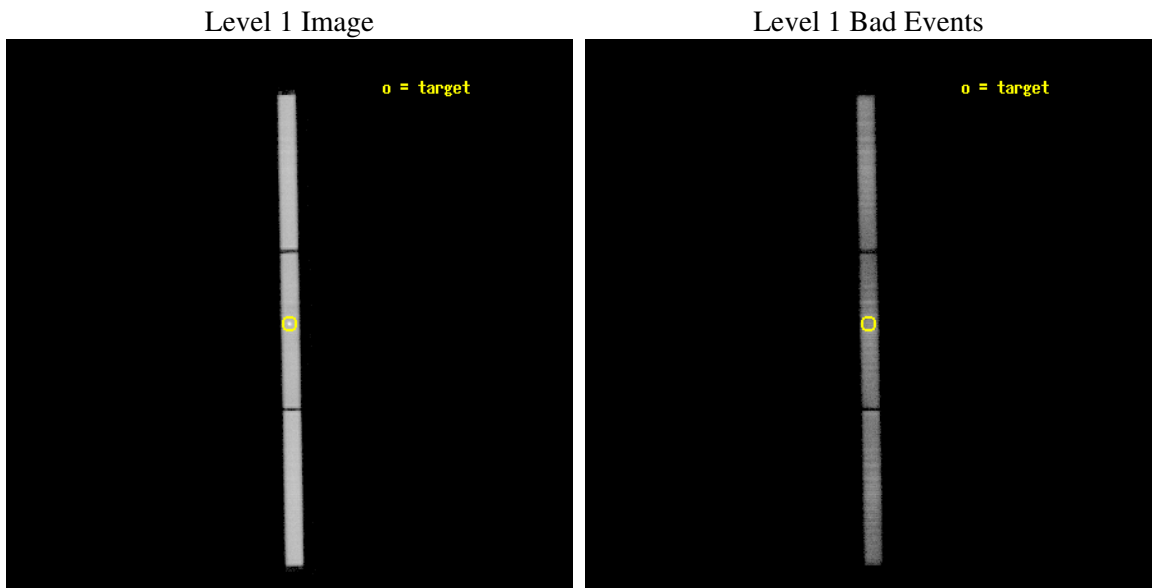
seq_num	590166
obs_id	1557
title	CALIBRATION OBSERVATIONS OF THE STANDARD CANDLE G21.5-09
observer	Dr. CXC Calibration
object	G21.5-0.9 [HRC-S, Offsets=0,0,0 Offsets=AO2A]
ra_targ	278.389583
dec_targ	-10.568528
ra_nom	278.38986563065
dec_nom	-10.563881032399
roll_nom	88.952322029288
revision	4
ontime	8853.1815921217
livetime	8767.1448701481
l2events	583995



## 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	2006-11-07T23:35:28
revision	3

sched_exp_time	9000.000000
ontime	9194.2503553033
l1events	799130

### 2.1.3 Events

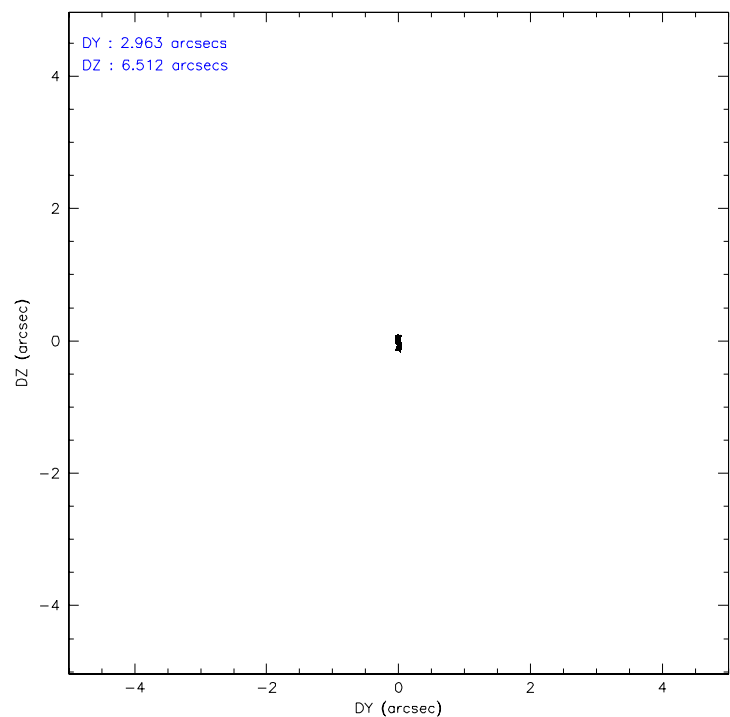
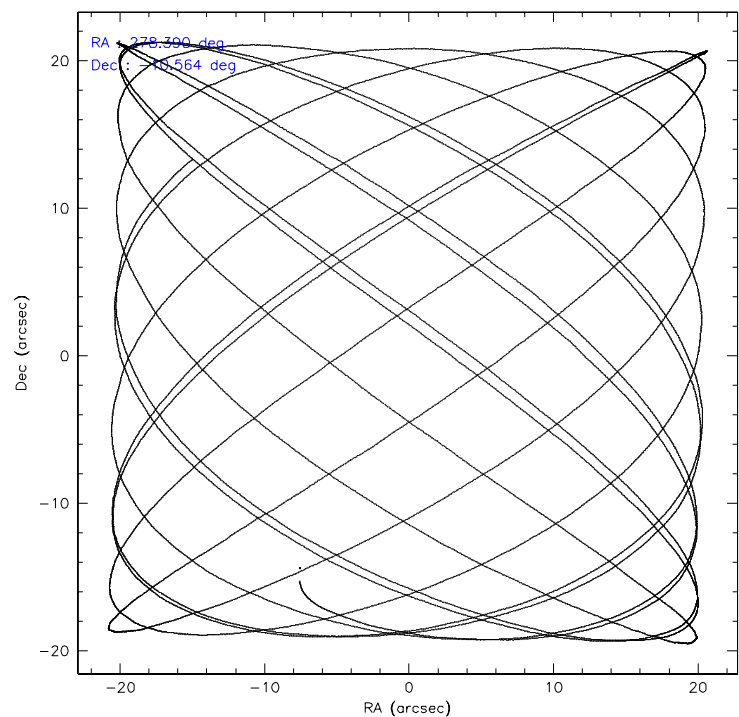
Level 1 Events

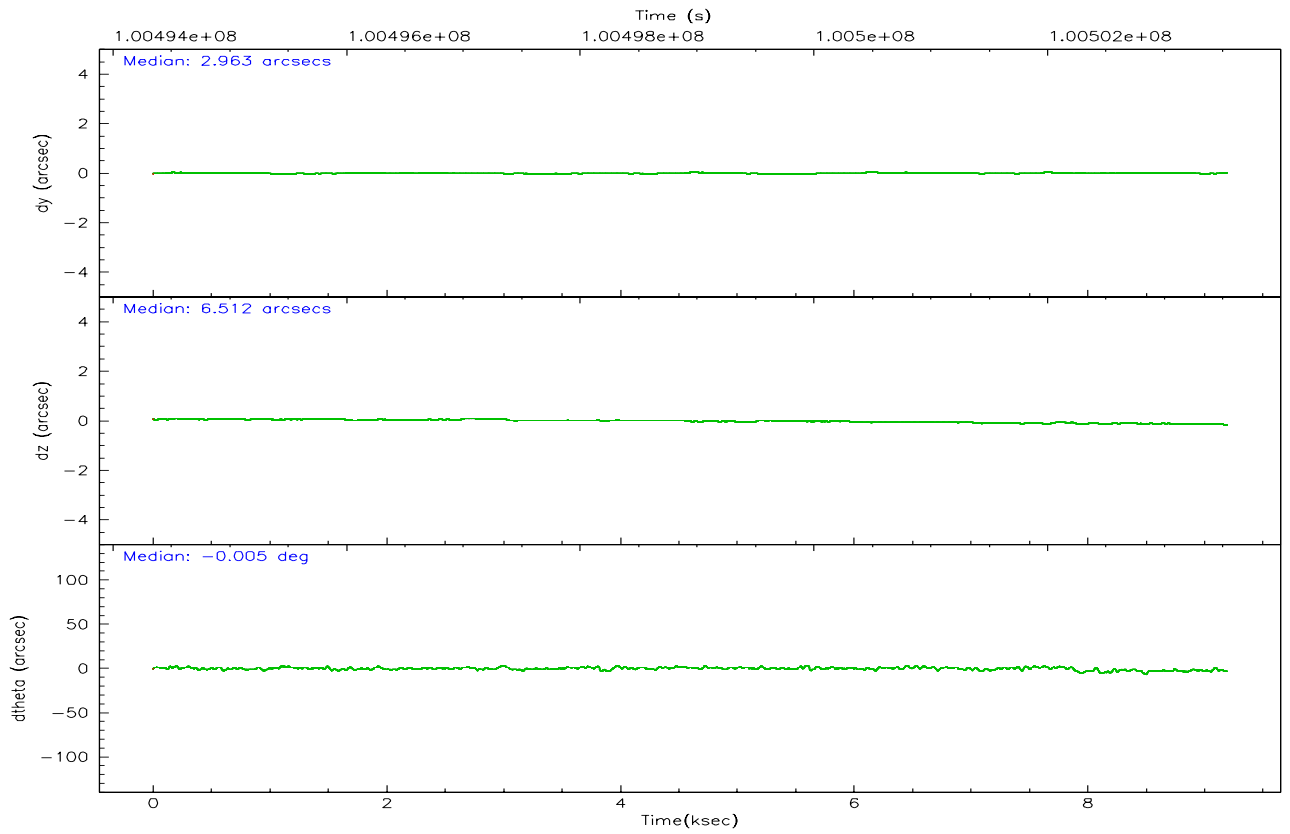
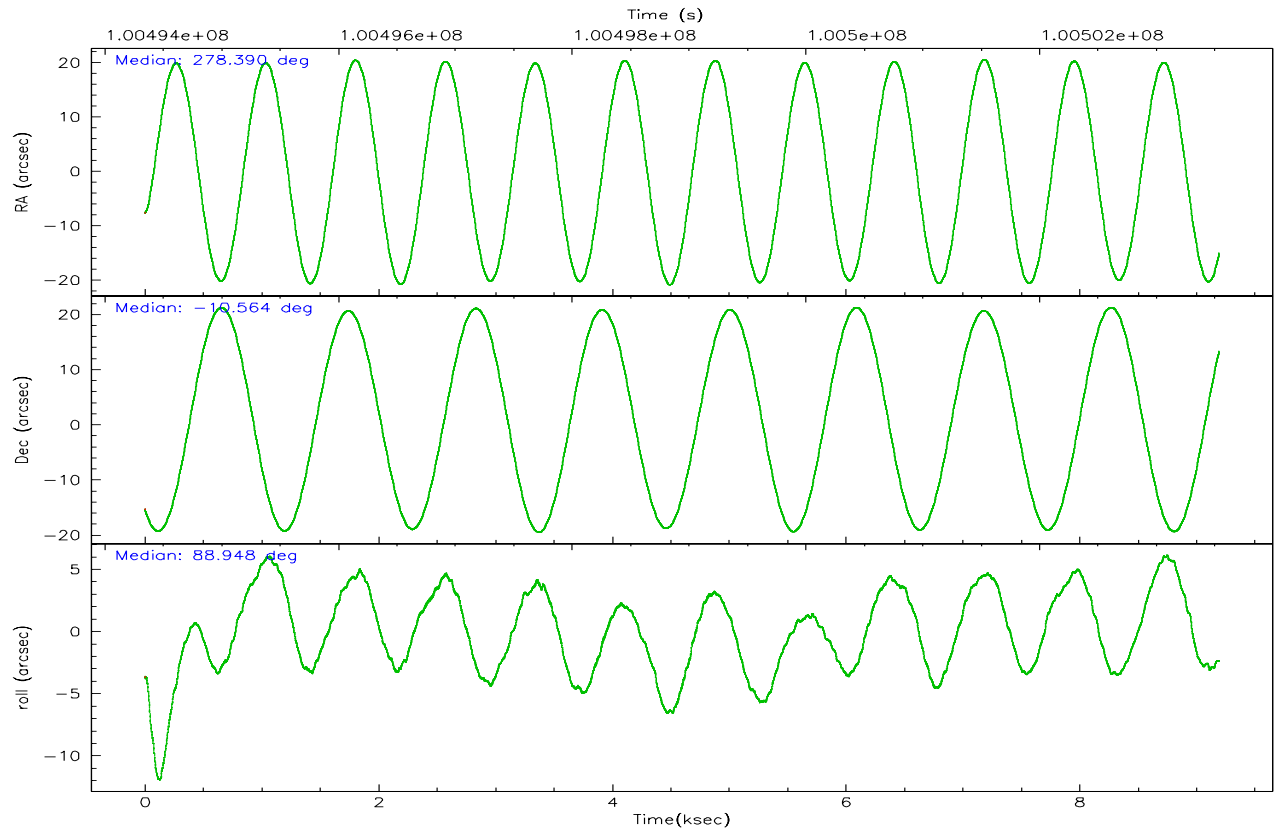
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	286236	243118	269776
rejected events	46863	50884	58125
rejected %	16%	20%	21%

## 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	278.405134	278.3898656306545			
Pointing Dec	-10.588159	-10.56388103239943			
Pointing Roll	88.887790	88.95232202928813			
Window start time	98582464.184000	98582464.184000			
Window stop time	101001664.184000	101001664.184000			
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	100494538.184000	100494164.59954			
Observation start date	2001-03-09T03:07:54	2001-03-09T03:02:44			
Observation end time	100503538.184000	100504459.69994			
Observation end date	2001-03-09T05:37:54	2001-03-09T05:54:19			

## 2.3 Aspect





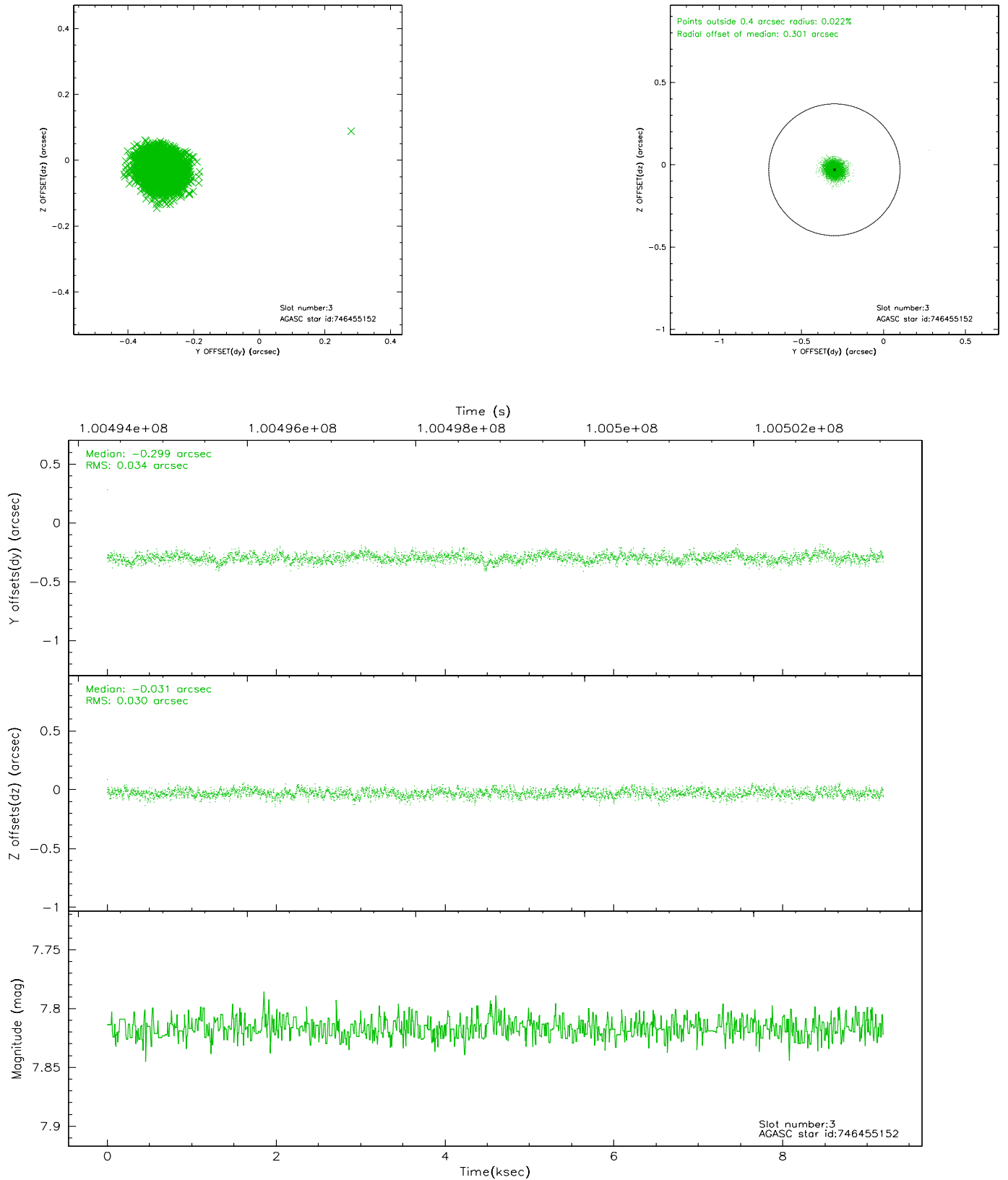
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.00	2242	0.104	-0.116	0.009	0.016	0.000000	0.000000	-1157.02	-455.06
1	FID	HRC-S-3	7.02	2242	0.147	-0.092	0.010	0.016	0.000000	0.000000	-1160.24	574.29
2	FID	HRC-S-4	6.95	2243	0.137	-0.089	0.006	0.012	0.000000	0.000000	1240.73	577.39
3	GUIDE	746455152	7.82	4486	-0.299	-0.031	0.048	0.077	278.447893	-9.976732	2203.60	-108.89
4	GUIDE	746462456	8.38	4486	0.150	-0.123	0.064	0.106	278.652171	-10.530173	226.11	-870.47
5	GUIDE	746462392	8.54	4486	0.132	0.120	0.081	0.132	279.038421	-10.890715	-1047.53	-2260.03
6	GUIDE	746455112	8.94	4486	0.135	-0.002	0.074	0.123	278.266531	-10.703234	-423.69	481.39
7	GUIDE	746460272	8.94	4479	-0.119	0.040	0.072	0.116	278.847488	-10.152127	1598.90	-1536.73

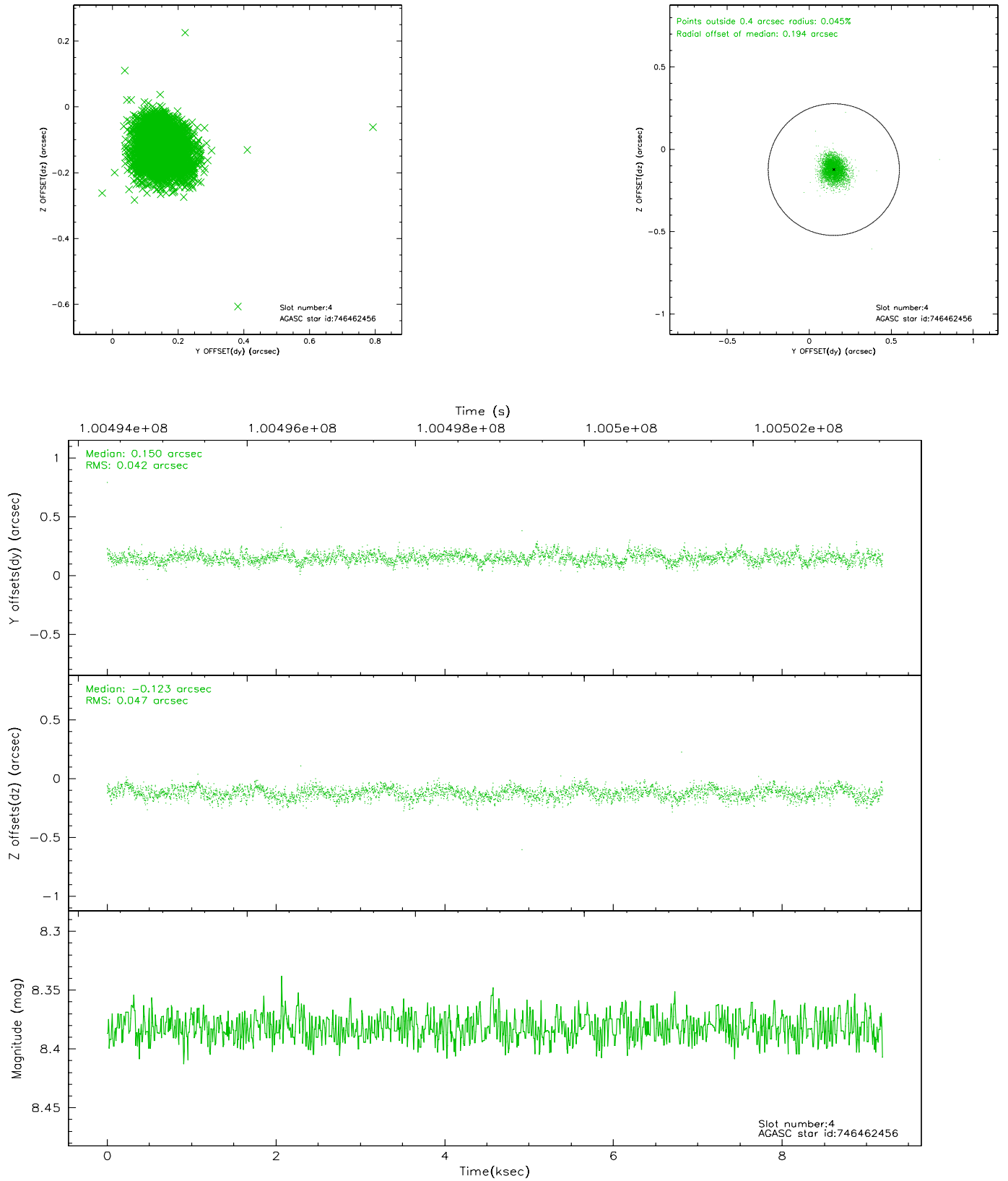


## 2.4 Star Slots

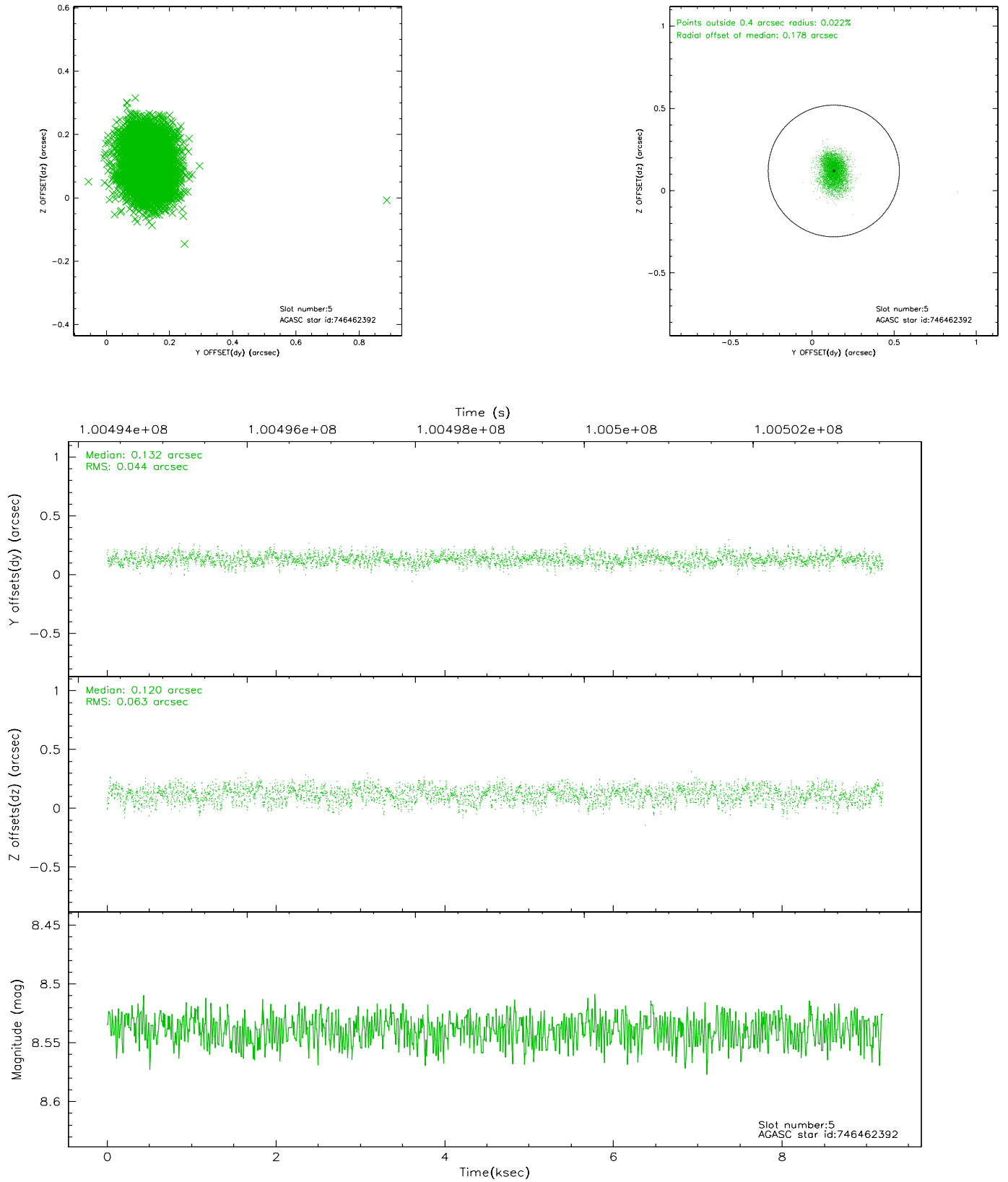
### 2.4.1 Slot 3



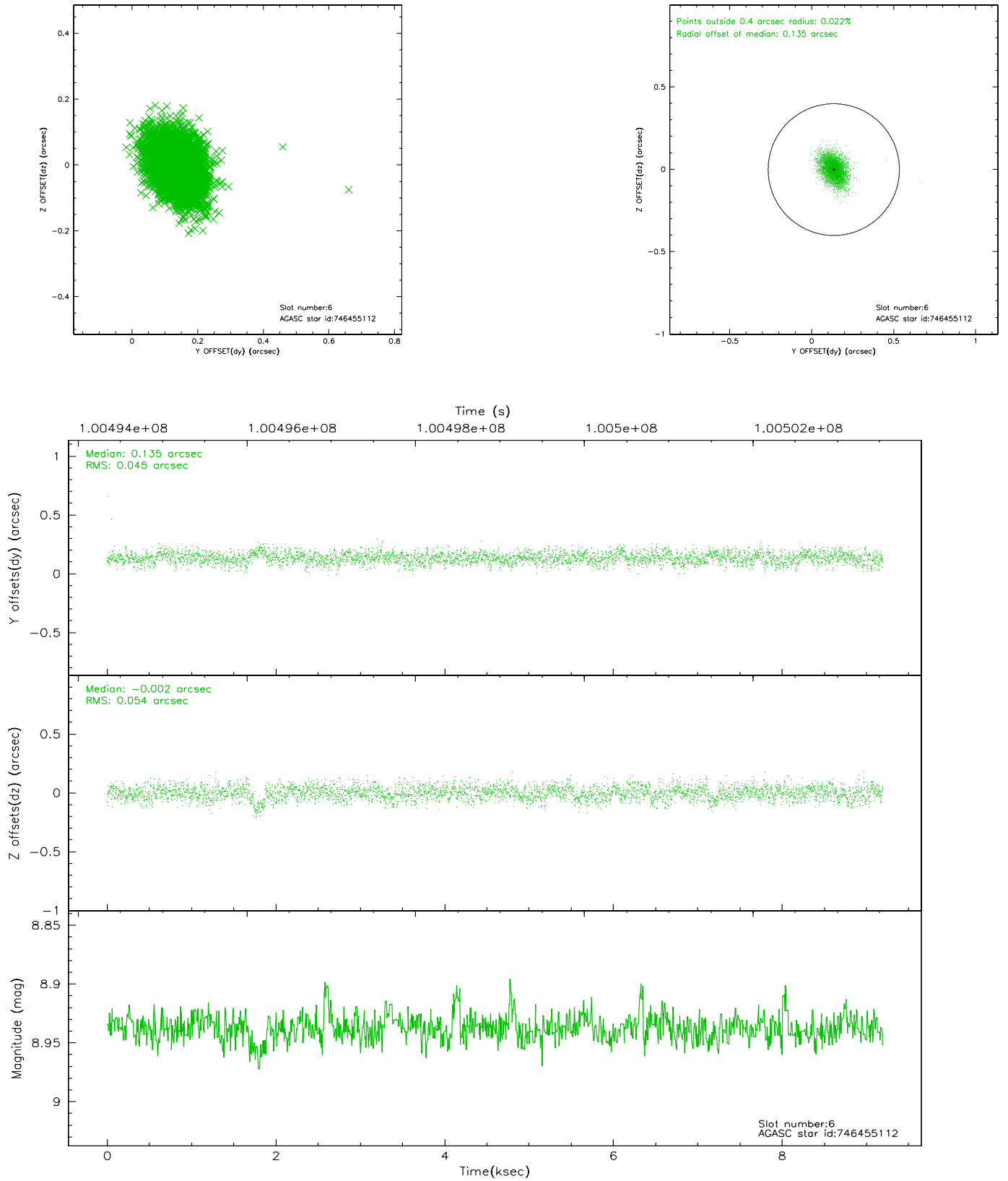
## 2.4.2 Slot 4



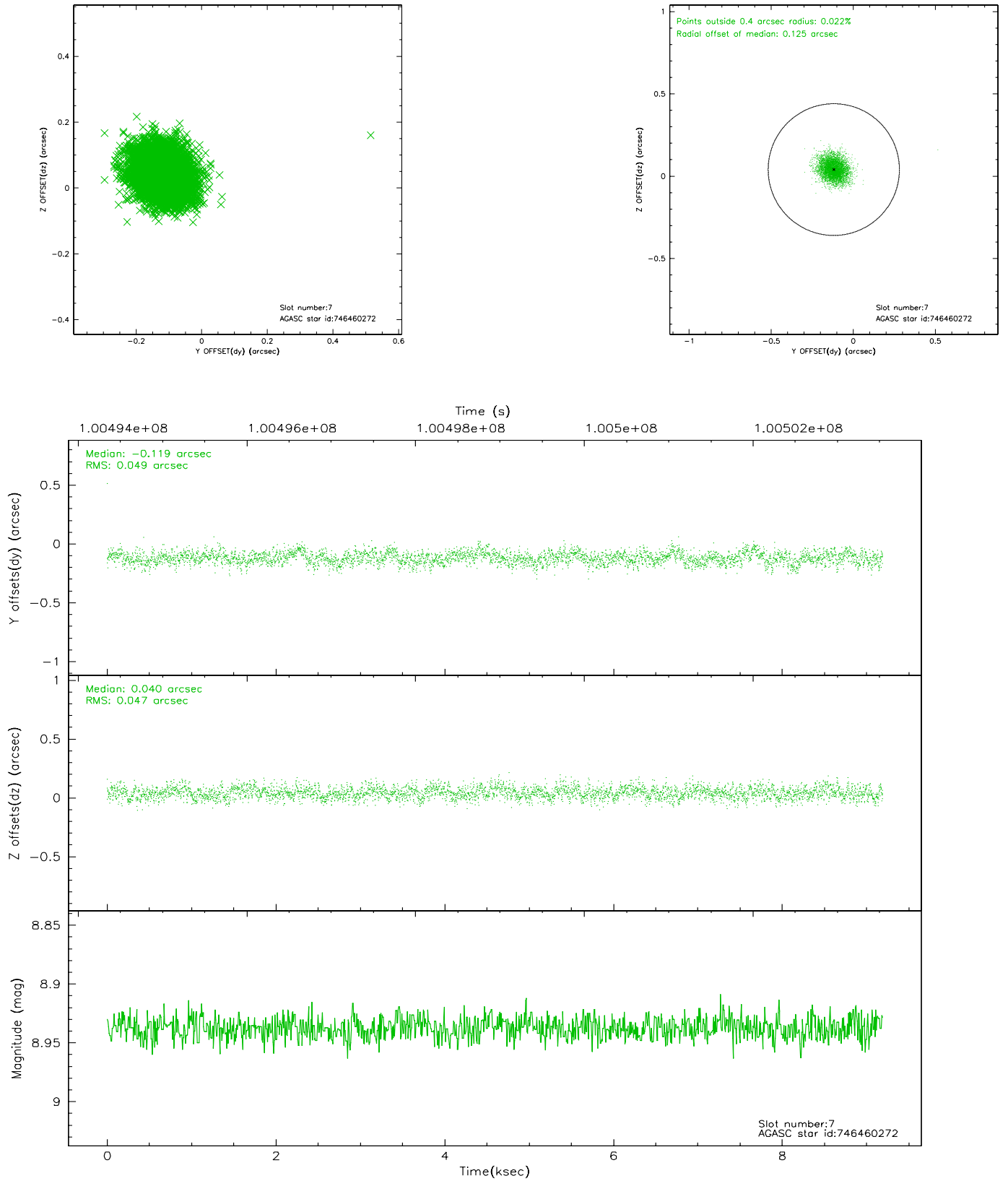
### 2.4.3 Slot 5



## 2.4.4 Slot 6

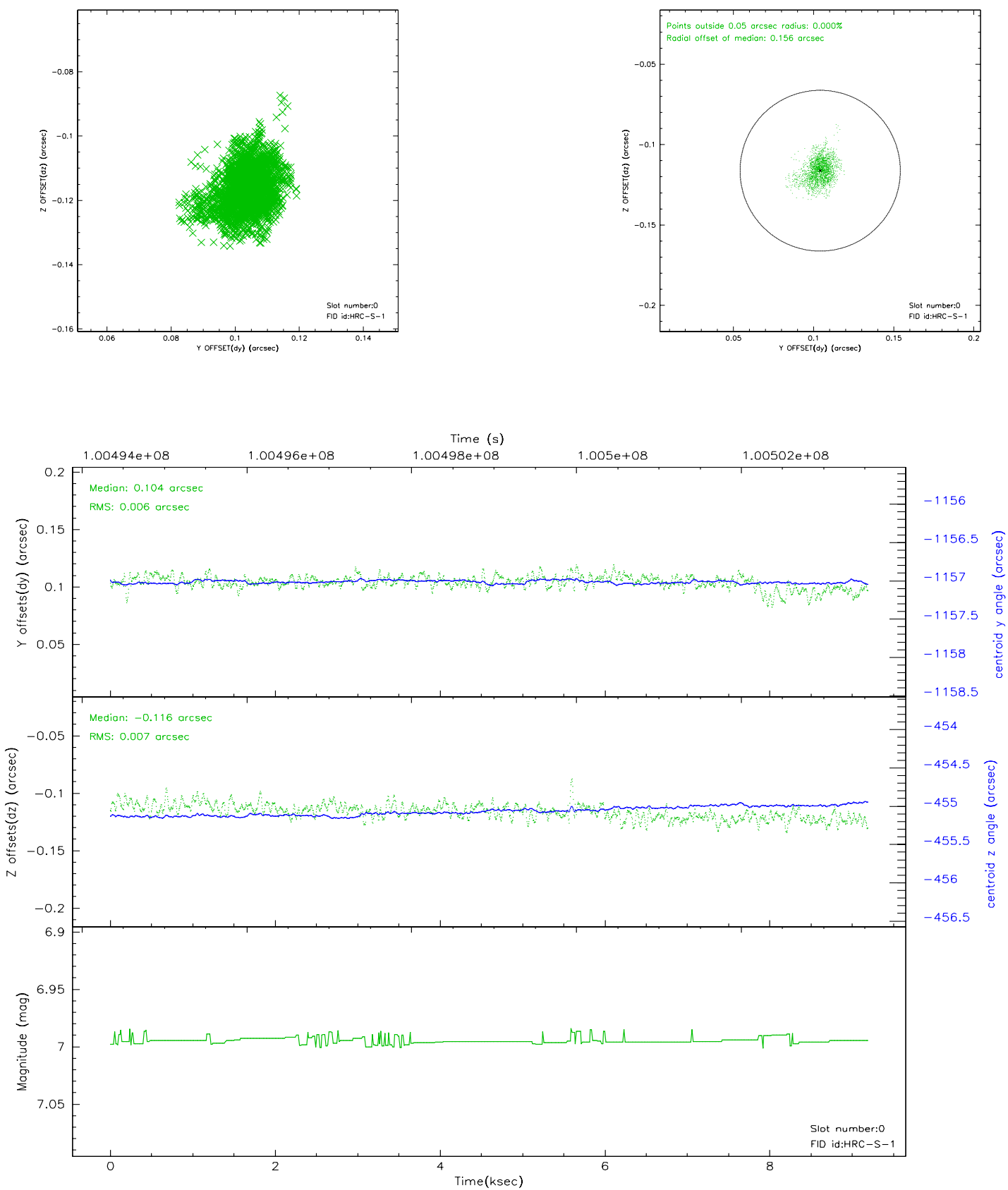


## 2.4.5 Slot 7

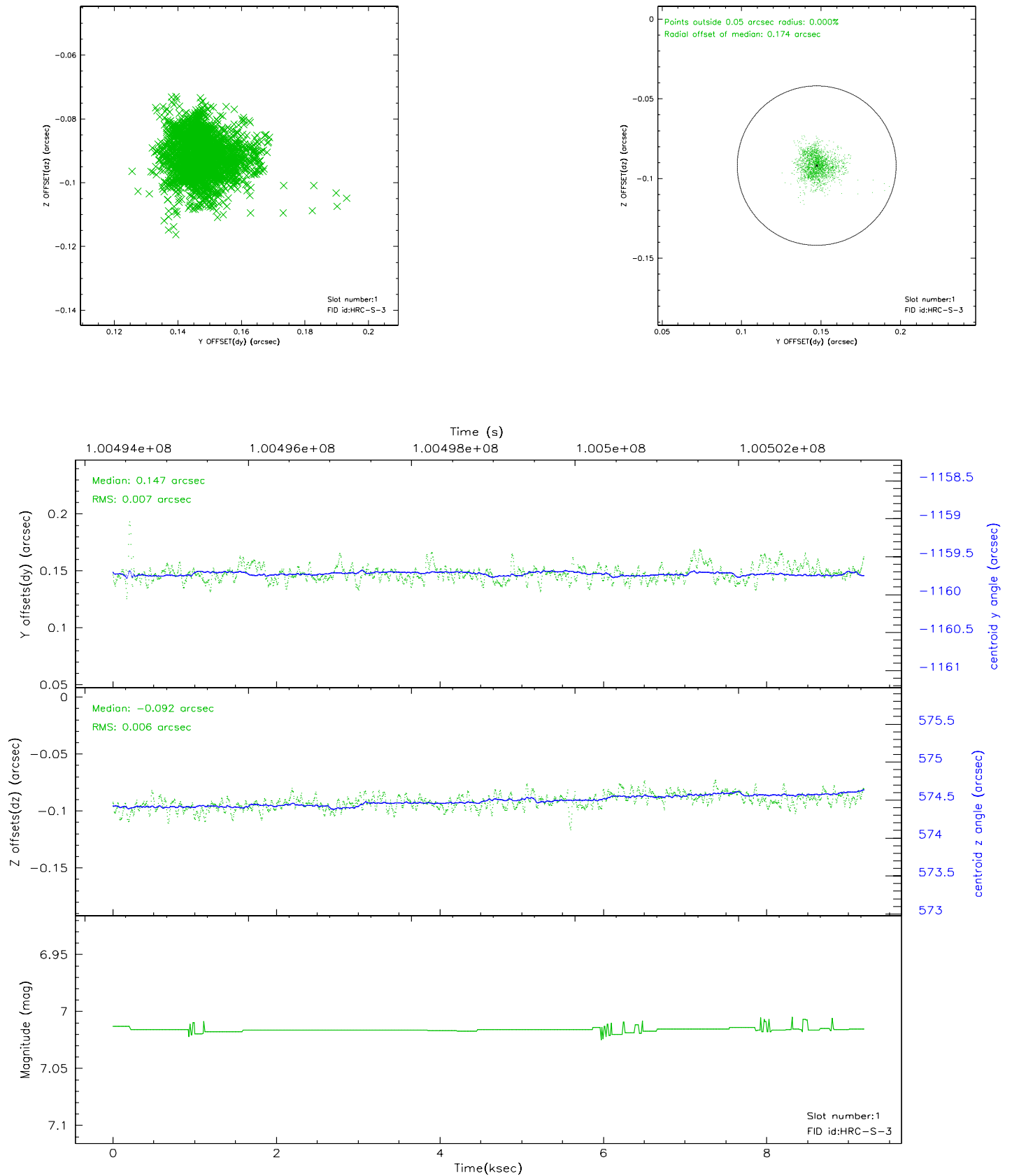


## 2.5 FID Slots

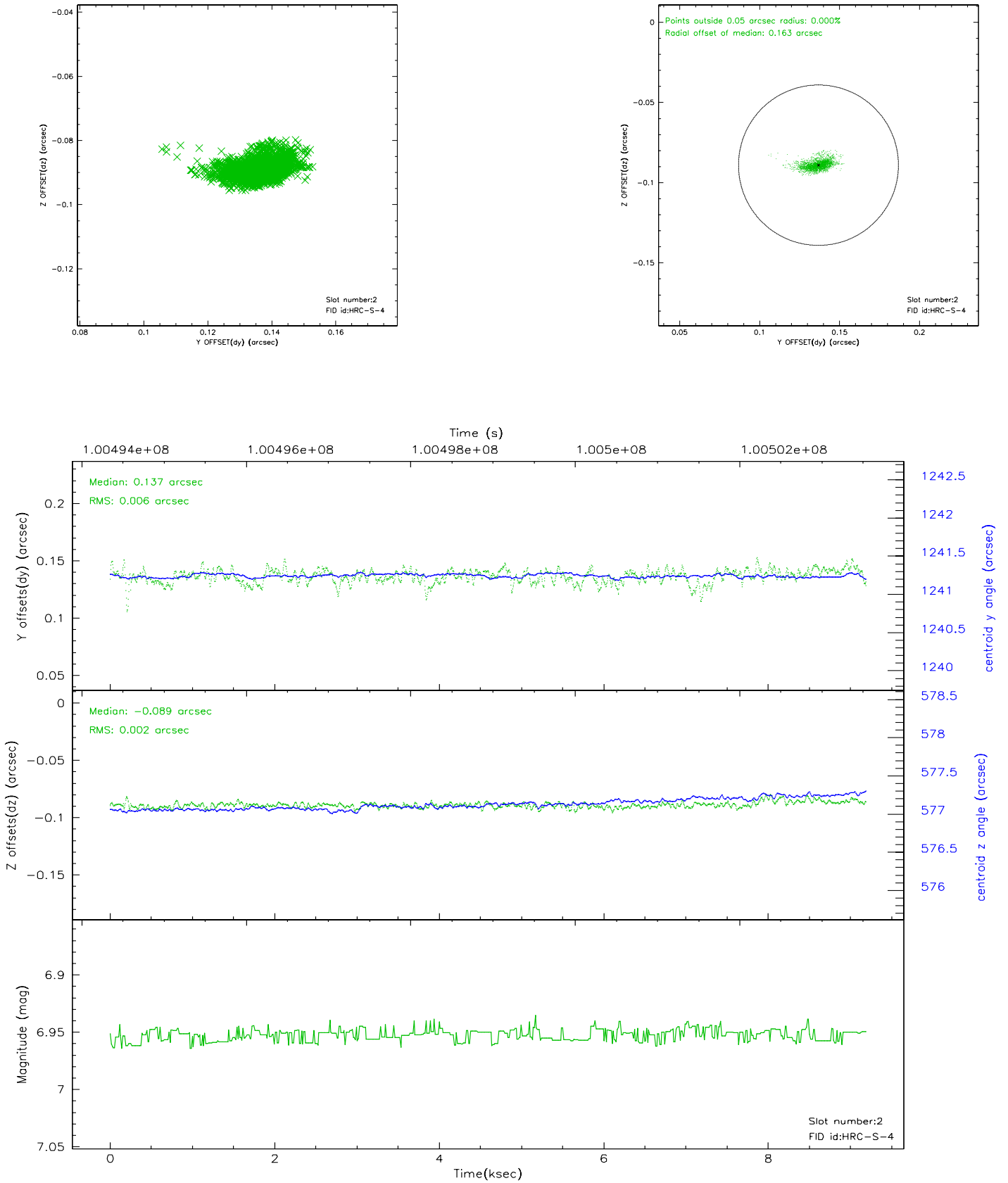
### 2.5.1 Slot 0



## 2.5.2 Slot 1

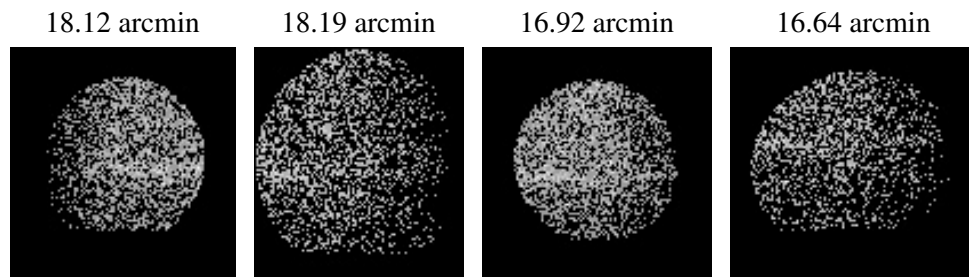


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.849

### A.2 Comments

Window constraint met.