

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2651 - L2 Version 3  
Chandra X-Ray Center

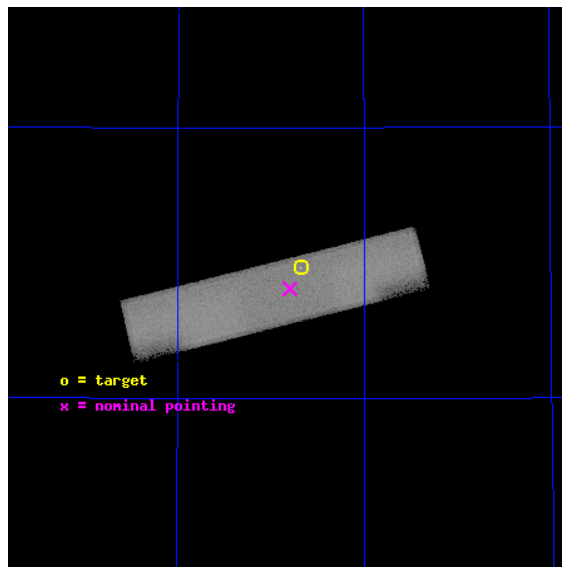
L2 Processing Date : Oct 11 2012

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# 1 Front

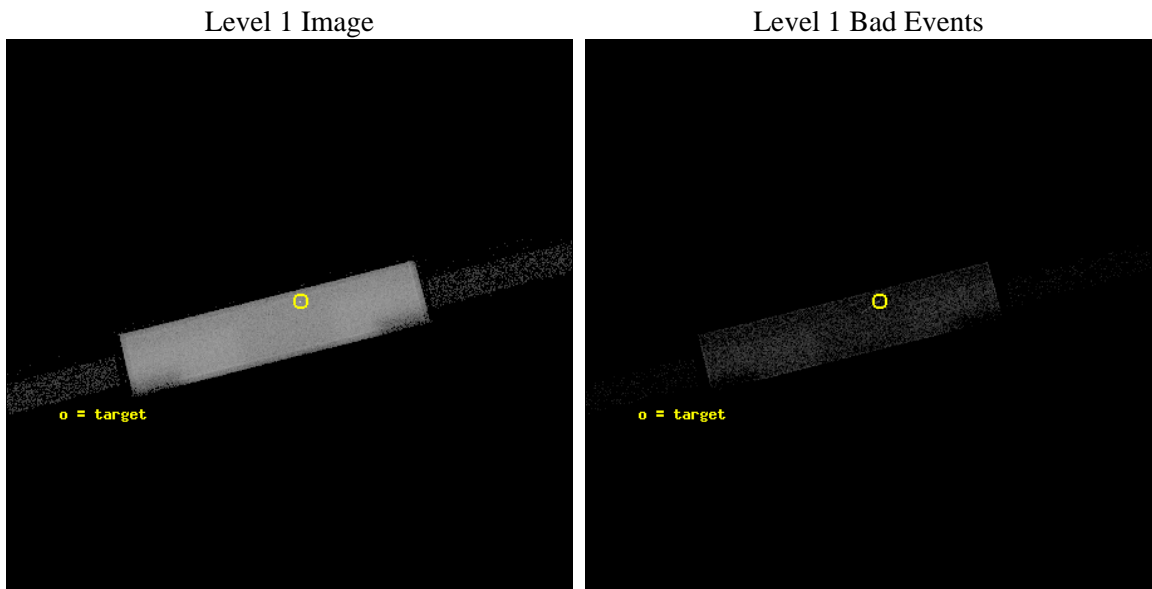
seq_num	290207	Sequence number
obs_id	2651	Observation id
title	AO3B HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC	Proposal ti
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.19892871559	Nominal RA [deg]
dec_nom	45.703282030552	Nominal Dec [deg]
roll_nom	165.91485420636	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1143.1312971115	[s]
livetime	230.37446633486	Ontime multiplied by DTCOR
l2events	202830	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1143.1312971115	[s]
caldsver	4.5.2	&#160	l1events	277830	Number of level 1 events
date	2012-10-11T21:51:07	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

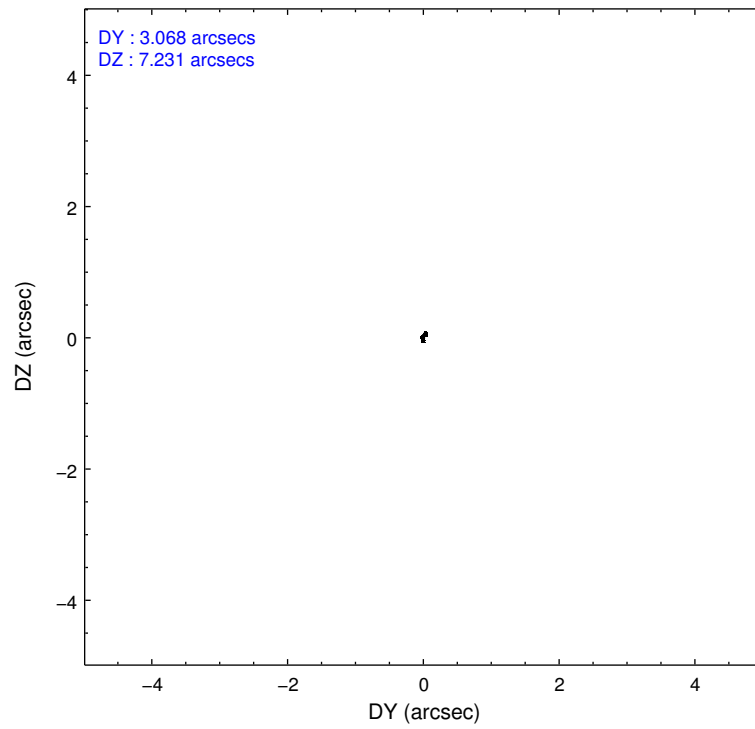
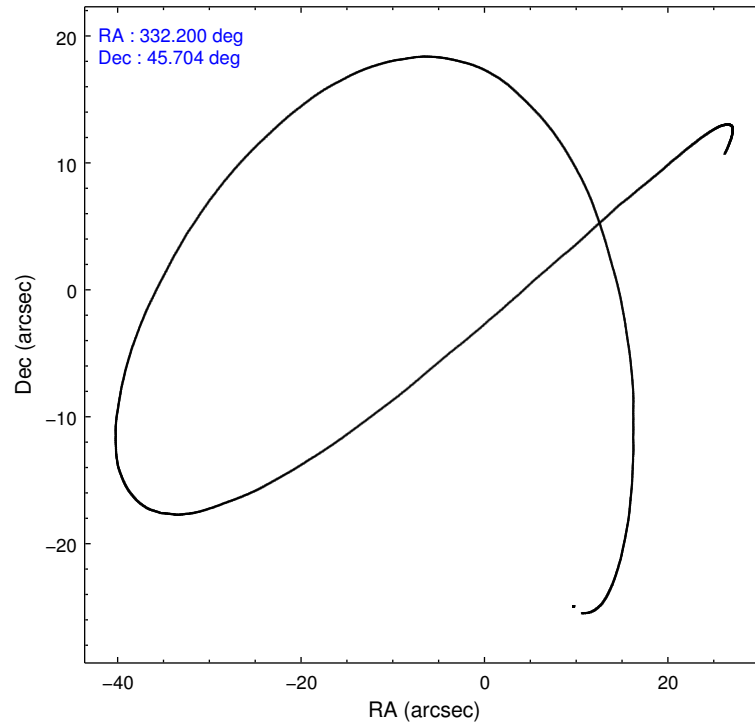
Level 1 Events

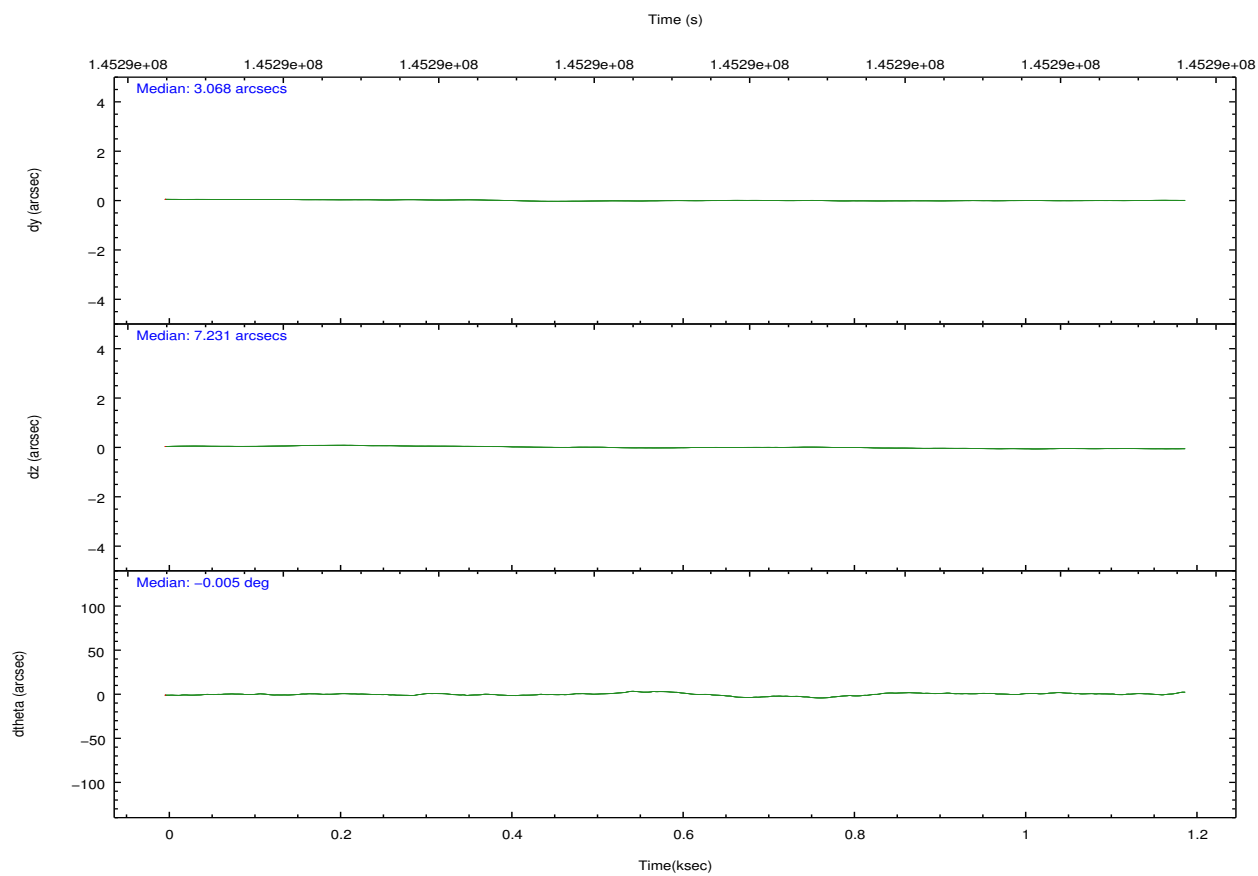
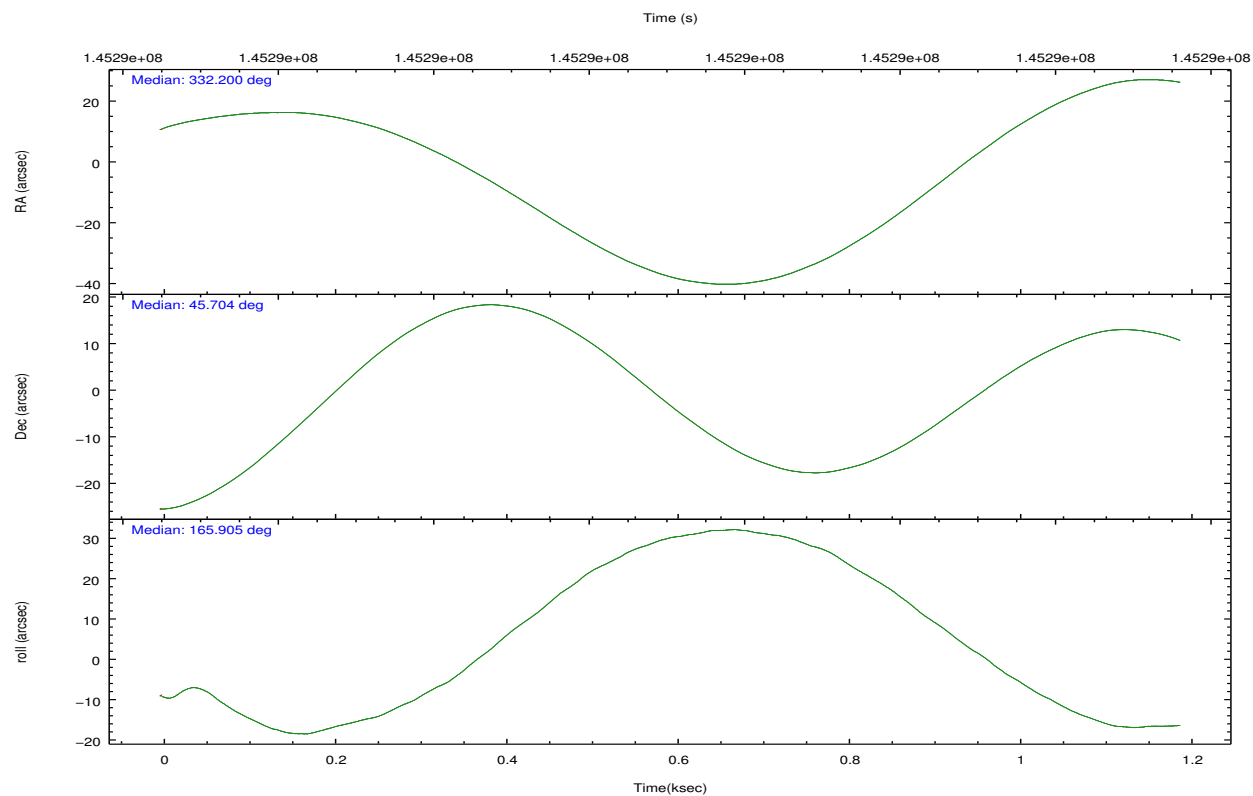
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	3258	271965	2607
rejected events	3258	61089	2607
rejected %	100%	22%	100%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
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			
[deg] Pointing RA	332.236968	332.1989287155853			
[deg] Pointing Dec	45.712290	45.70328203055169			
[deg] Pointing Roll	165.820317	165.9148542063589			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	145288298.184000	145287922.01197			
Observation start date	2002-08-09T13:50:34	2002-08-09T13:45:22			
[s] Observation end time (MET)	145289298.184000	145289431.83703			
Observation end date	2002-08-09T14:07:14	2002-08-09T14:10:31			

## 2.3 Aspect





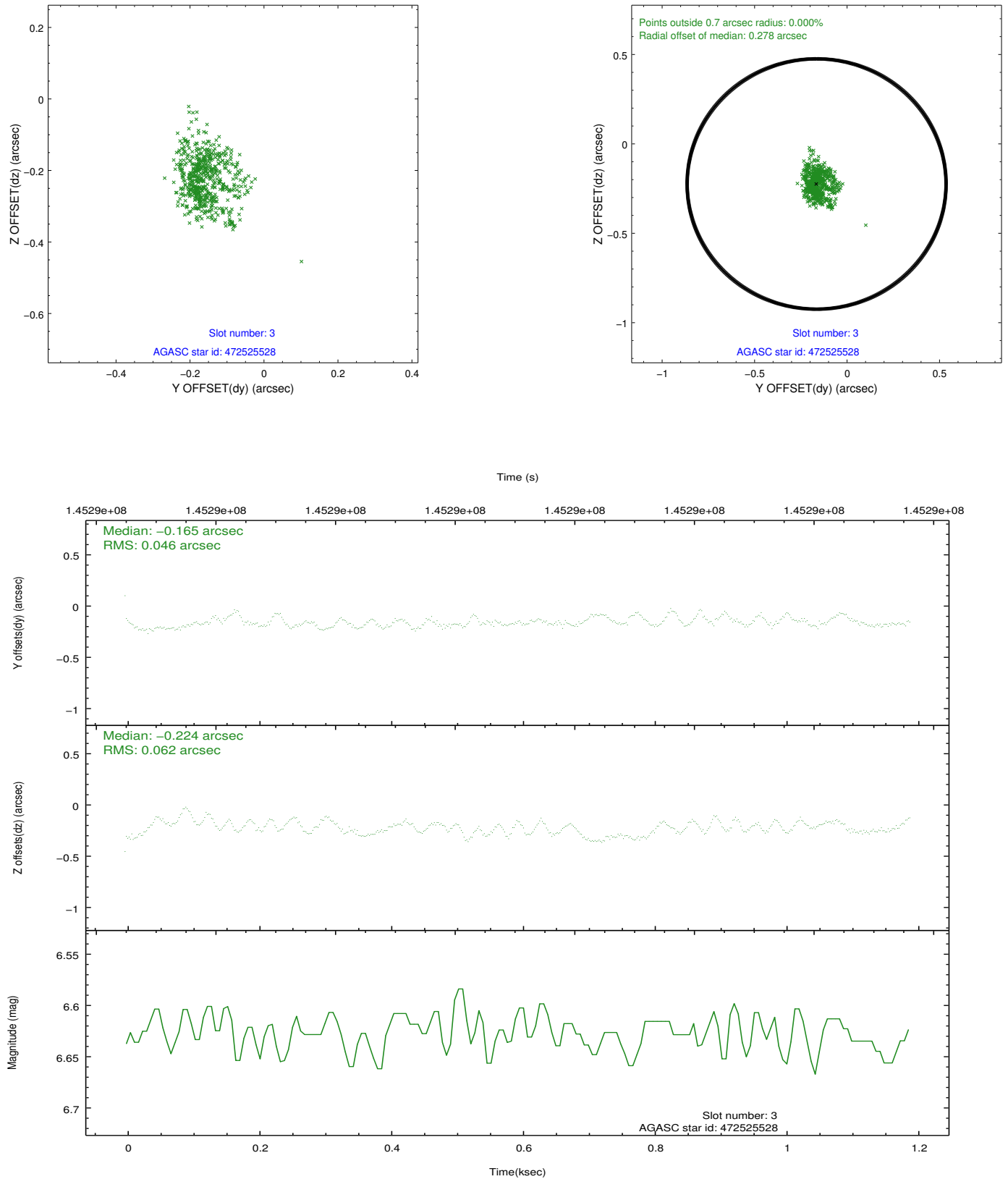
### Slot Statistics

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	290	0.150	-0.114	0.006	0.015	0.000000	0.000000	-1157.09	-455.81
1	FID	HRC-S-2	7.01	291	0.090	-0.125	0.008	0.013	0.000000	0.000000	1238.55	-449.97
2	FID	HRC-S-4	6.96	291	0.162	-0.064	0.008	0.015	0.000000	0.000000	1245.42	574.84
3	GUIDE	472525528	6.63	582	-0.165	-0.224	0.082	0.133	331.551102	45.248694	1278.70	2037.96
4	GUIDE	472536328	8.15	582	-0.091	0.096	0.084	0.176	331.496671	46.454831	2440.34	-2145.10
5	GUIDE	472665256	9.01	581	0.096	0.249	0.096	0.206	332.808125	46.195041	-947.63	-2040.96
6	GUIDE	472659832	9.46	579	0.093	0.131	0.098	0.181	332.780399	46.098139	-974.44	-1685.91
7	GUIDE	472654568	9.44	581	0.065	-0.238	0.112	0.171	332.194449	45.063576	-468.49	2288.68

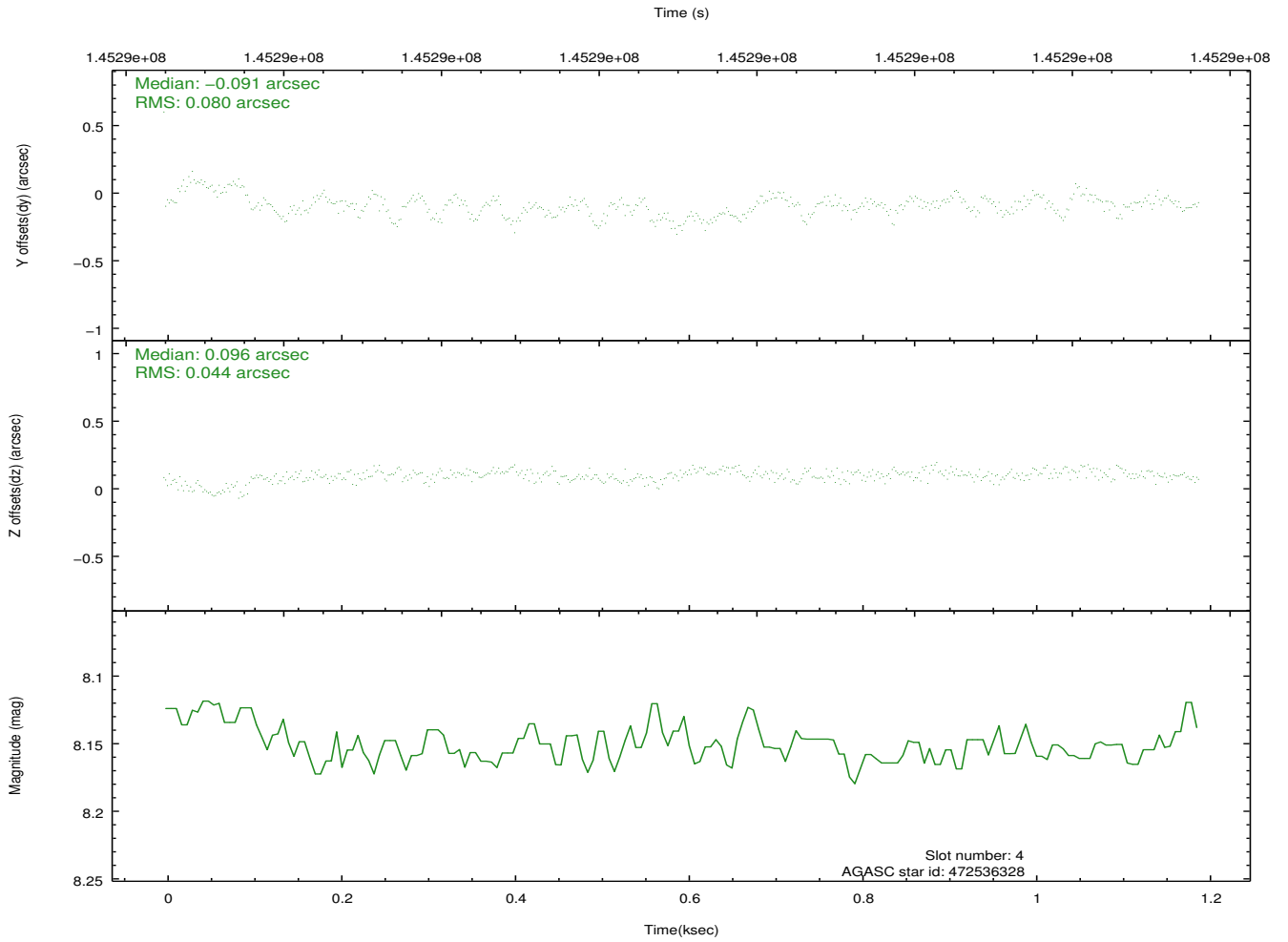
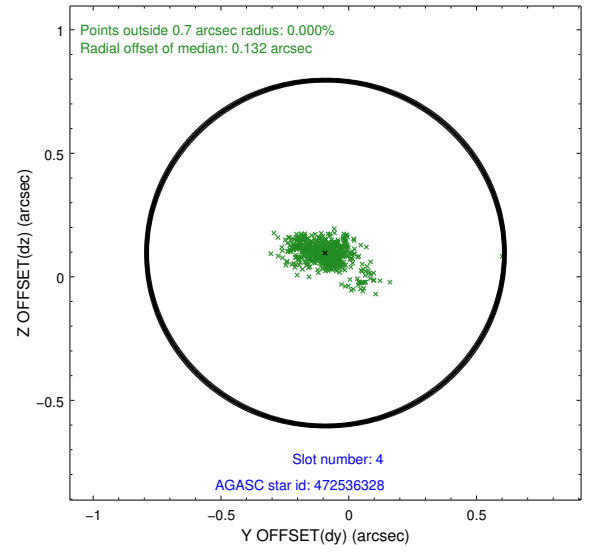
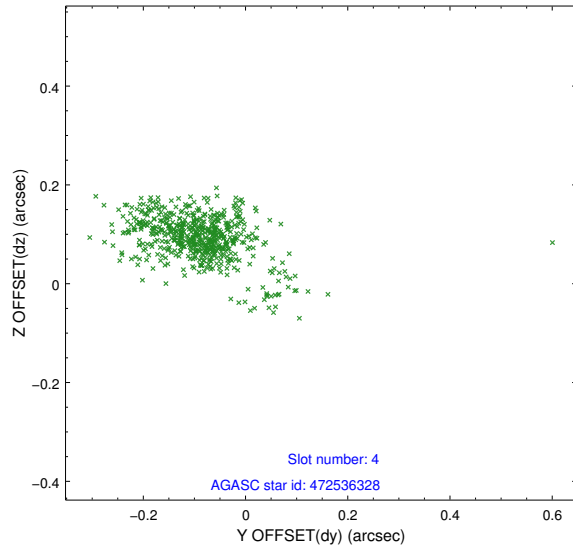


## 2.4 Star Slots

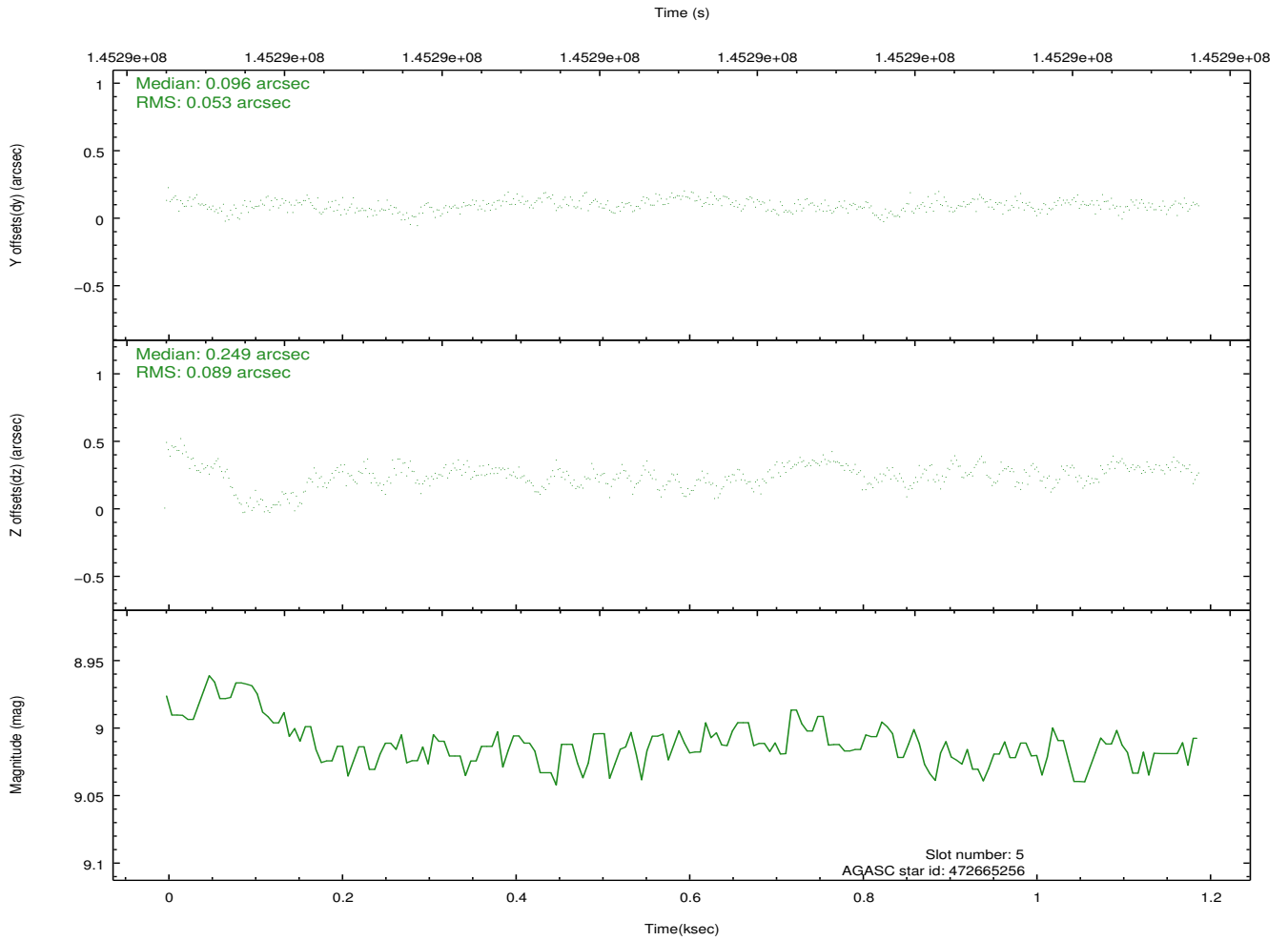
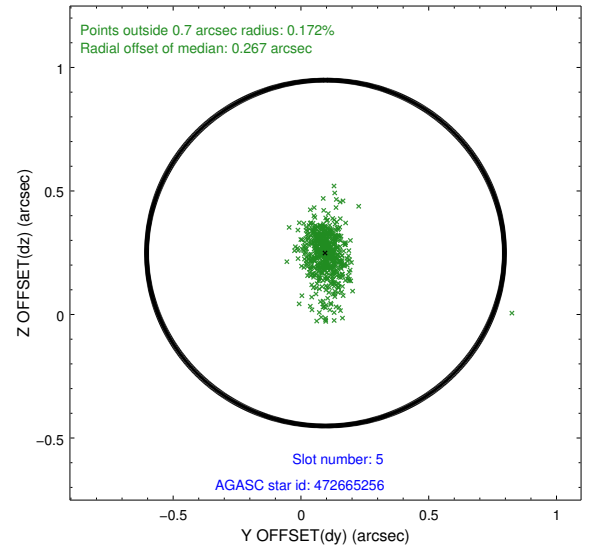
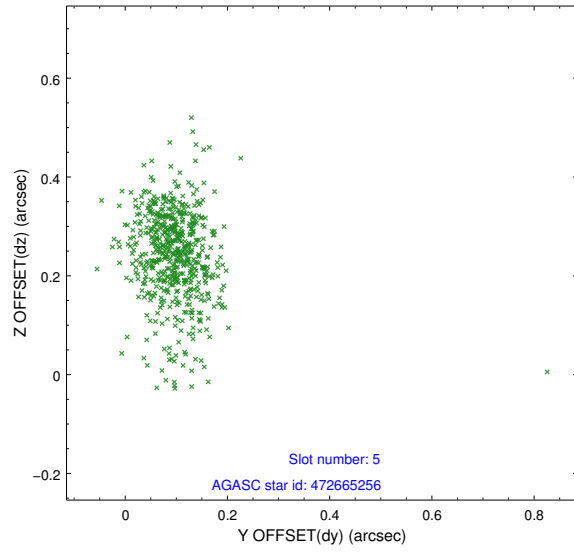
### 2.4.1 Slot 3



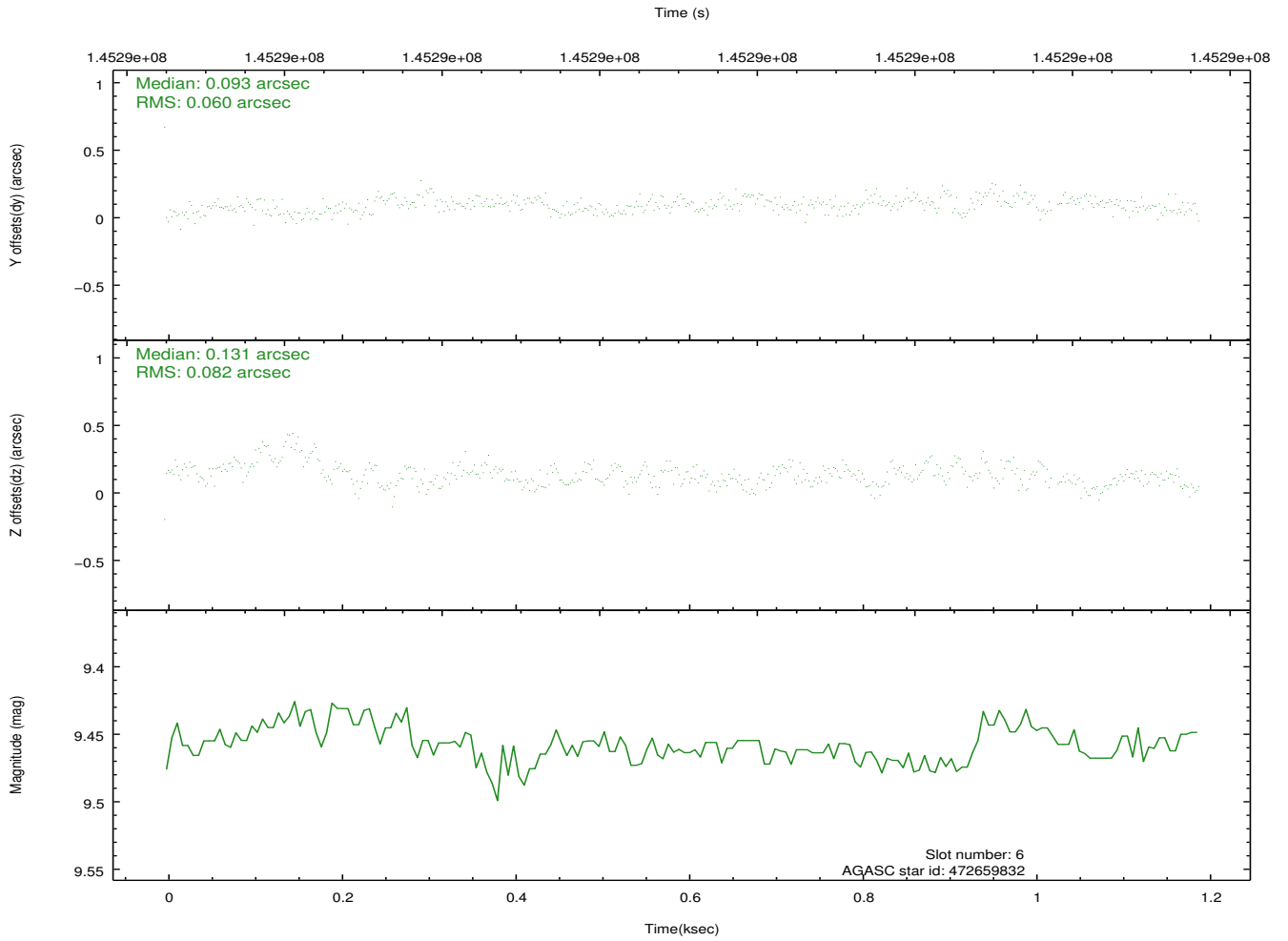
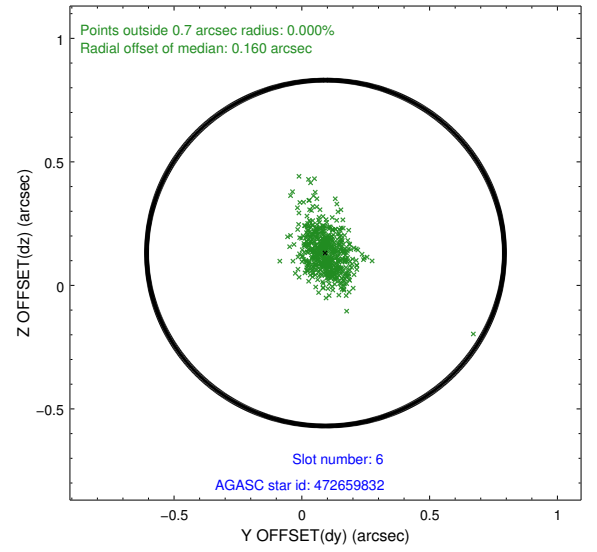
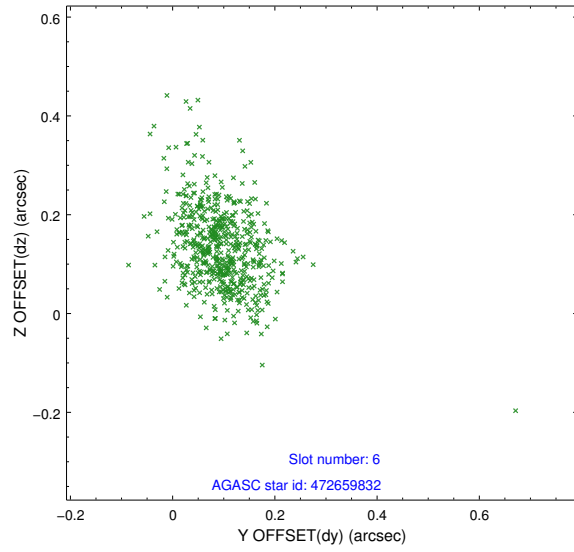
## 2.4.2 Slot 4



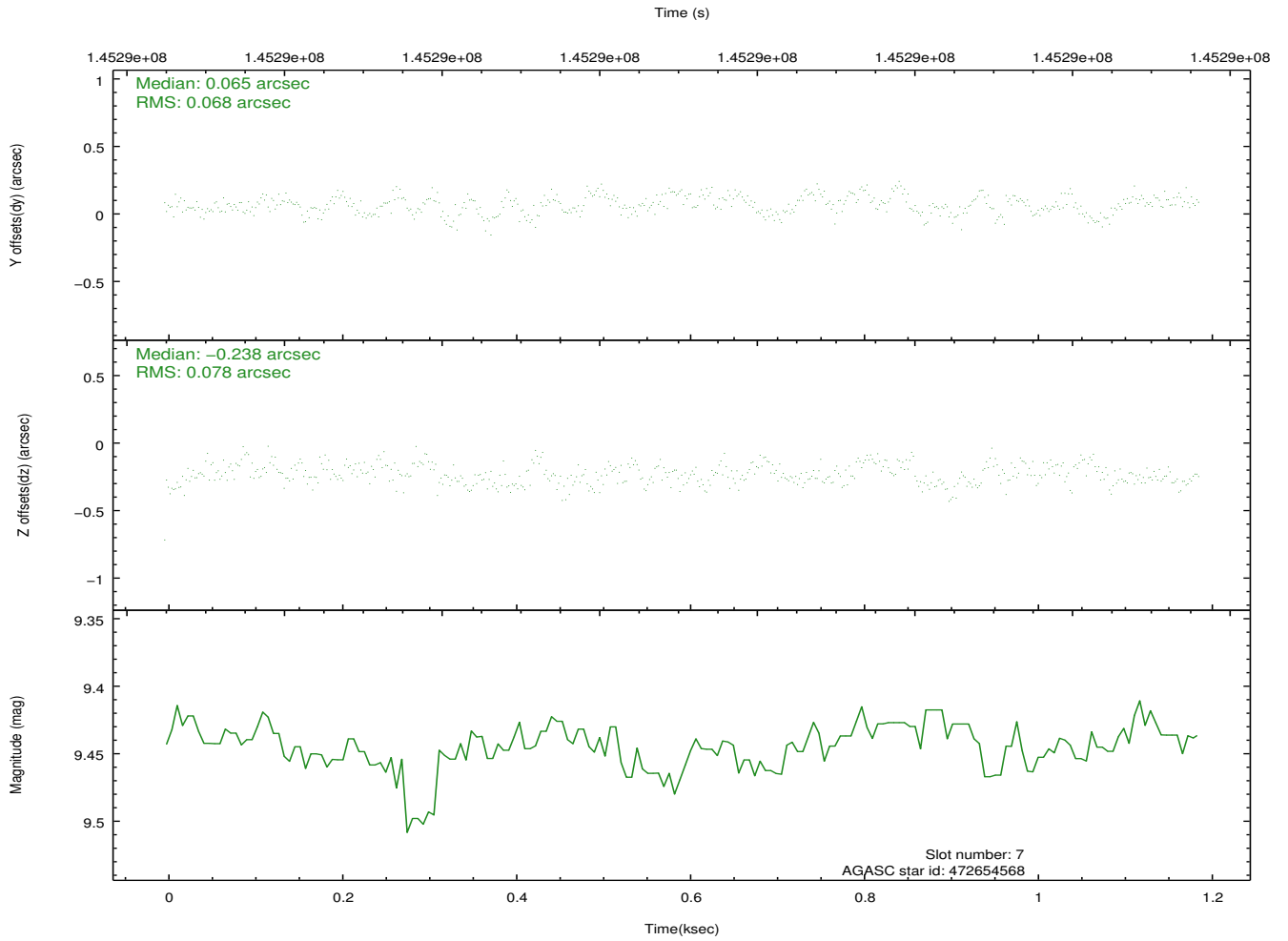
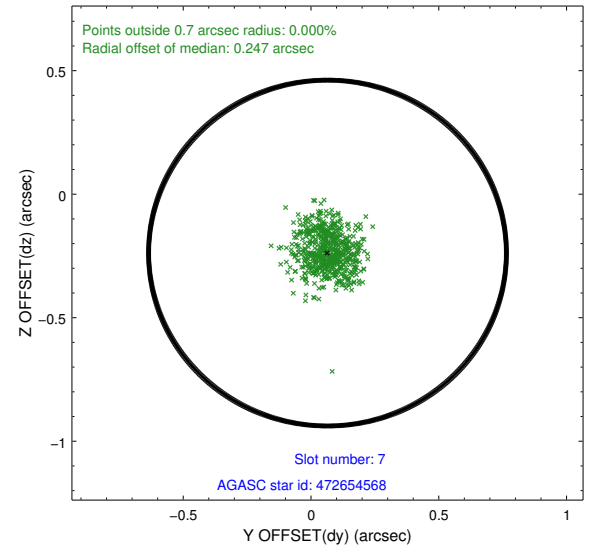
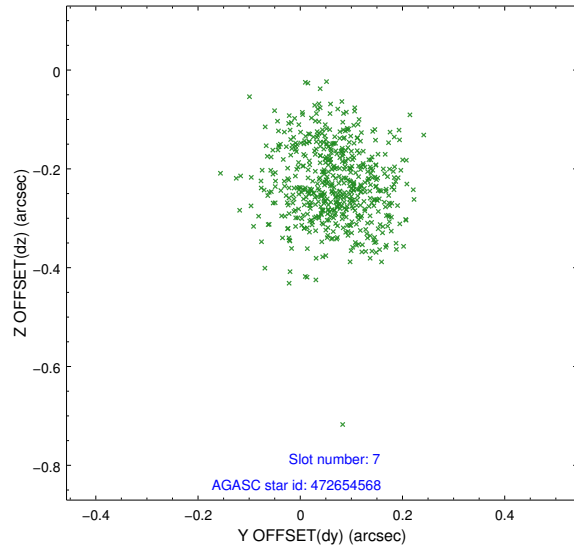
### 2.4.3 Slot 5



## 2.4.4 Slot 6

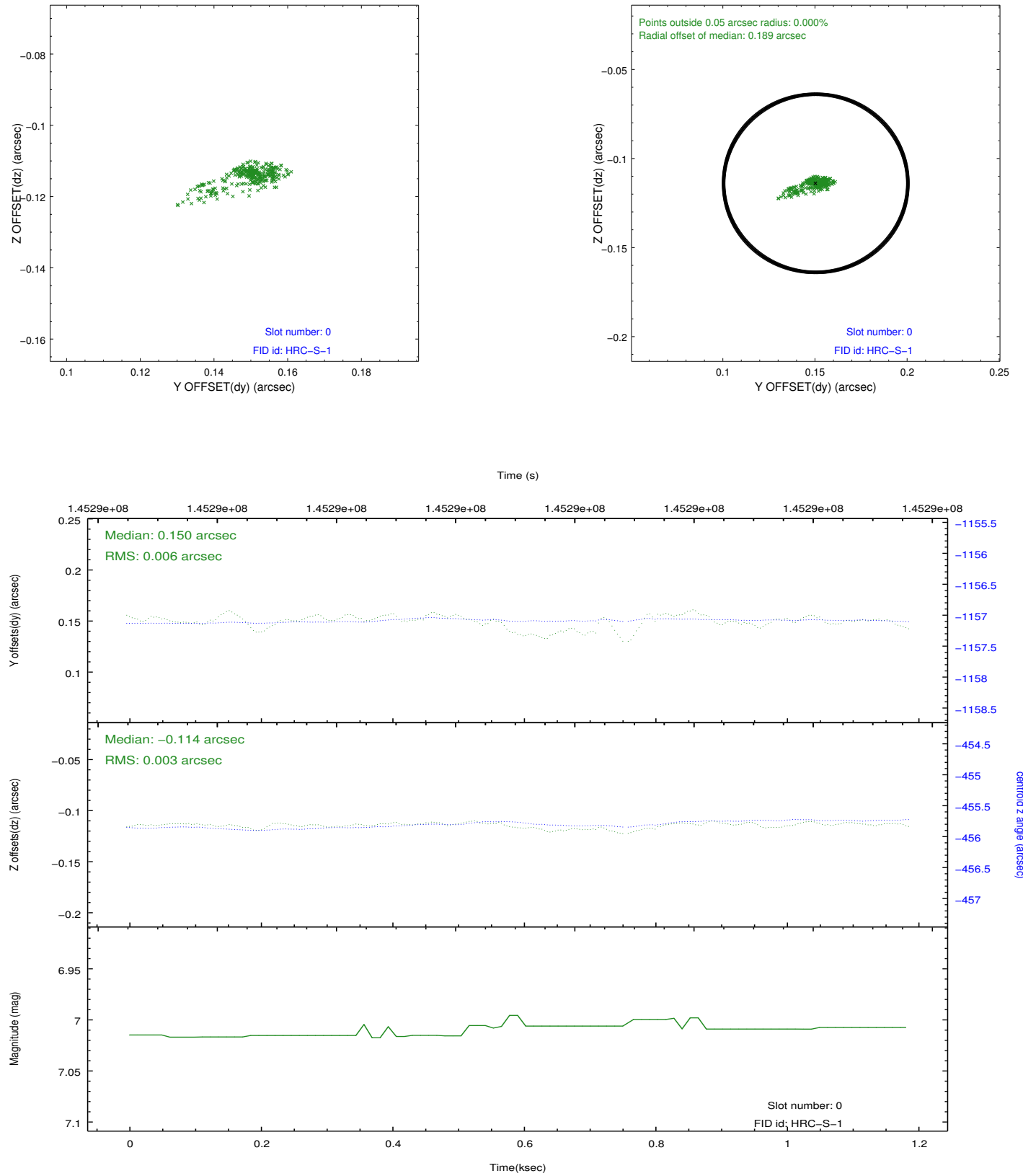


## 2.4.5 Slot 7

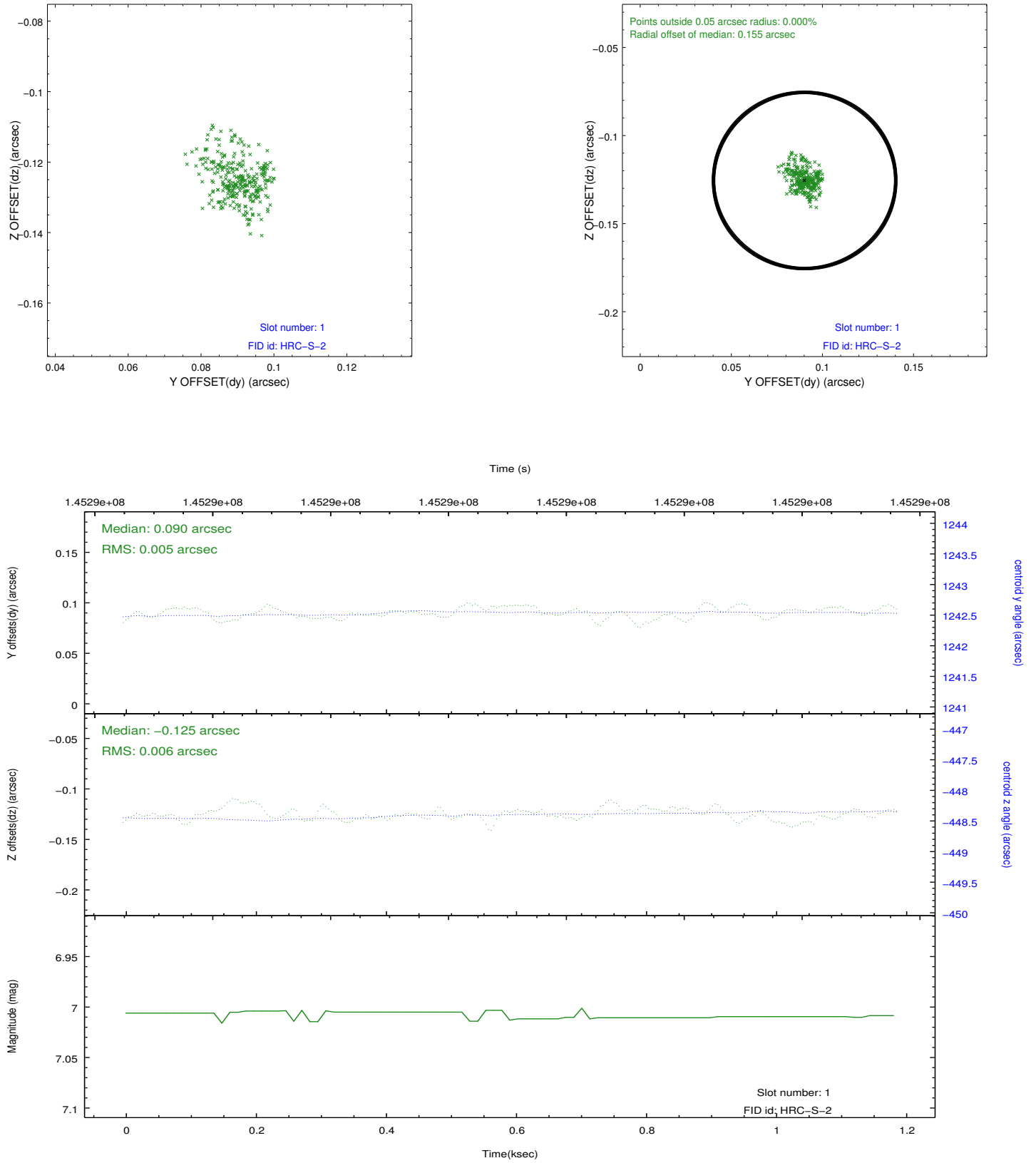


## 2.5 FID Slots

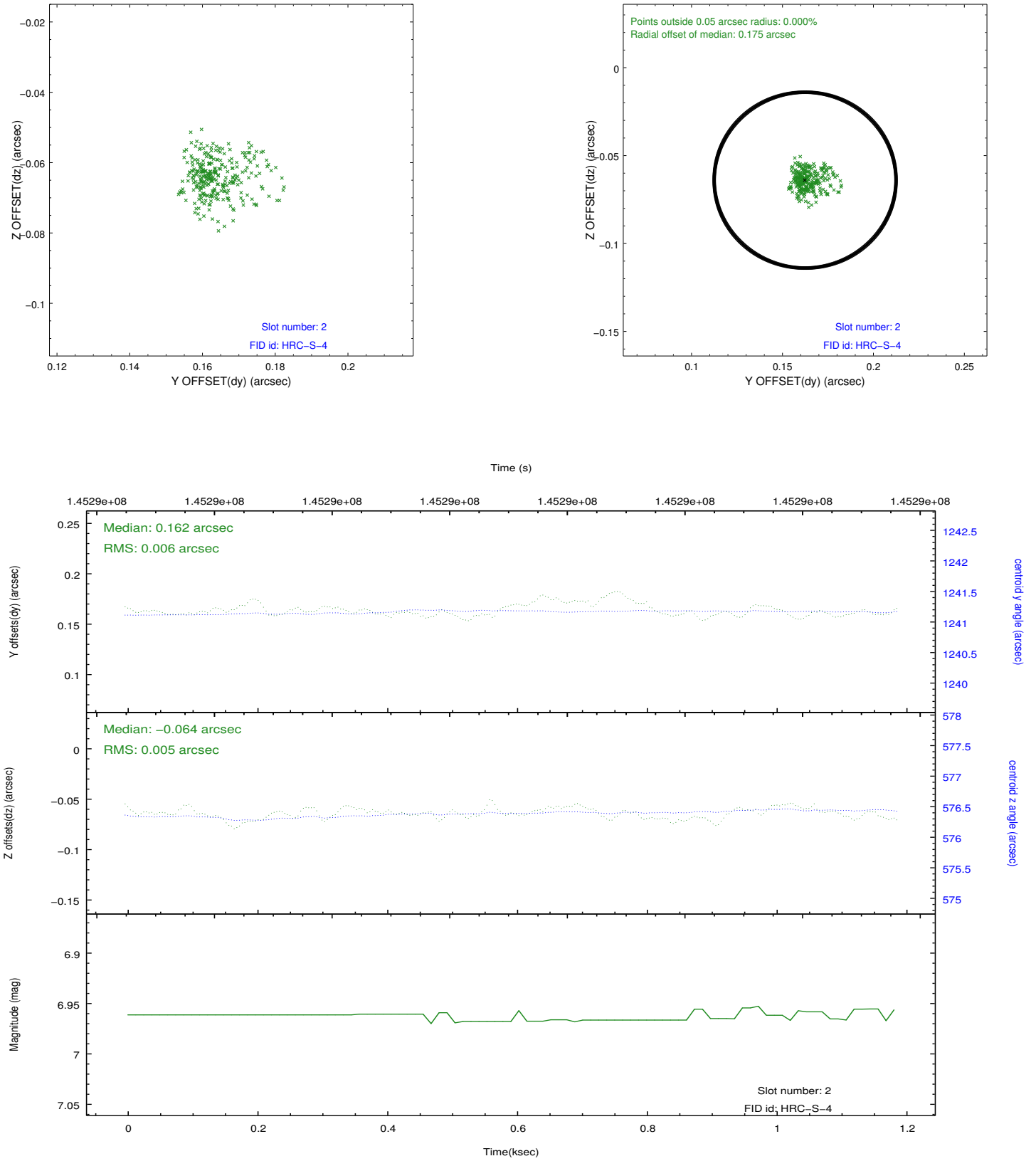
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.184

## A.2 Comments

Charge time for this ObsId remains at previous value of 1.184 ks, although with the current processing it would have been 1.14 ksec. Monitor constraint met.