

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2606 - L2 Version 4  
Chandra X-Ray Center

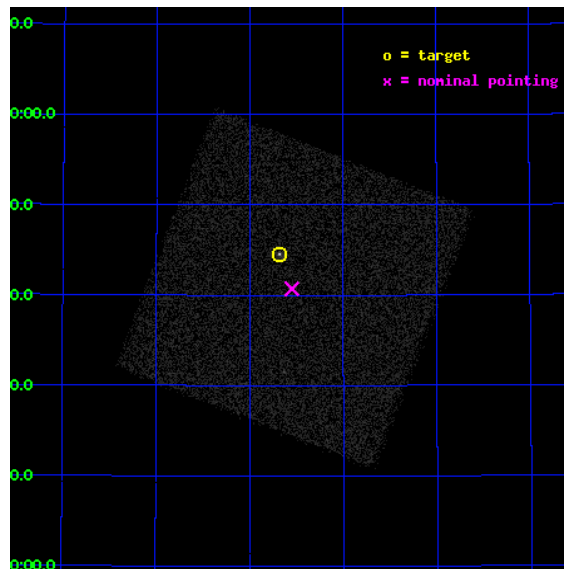
L2 Processing Date : Oct 1 2012

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# 1 Front

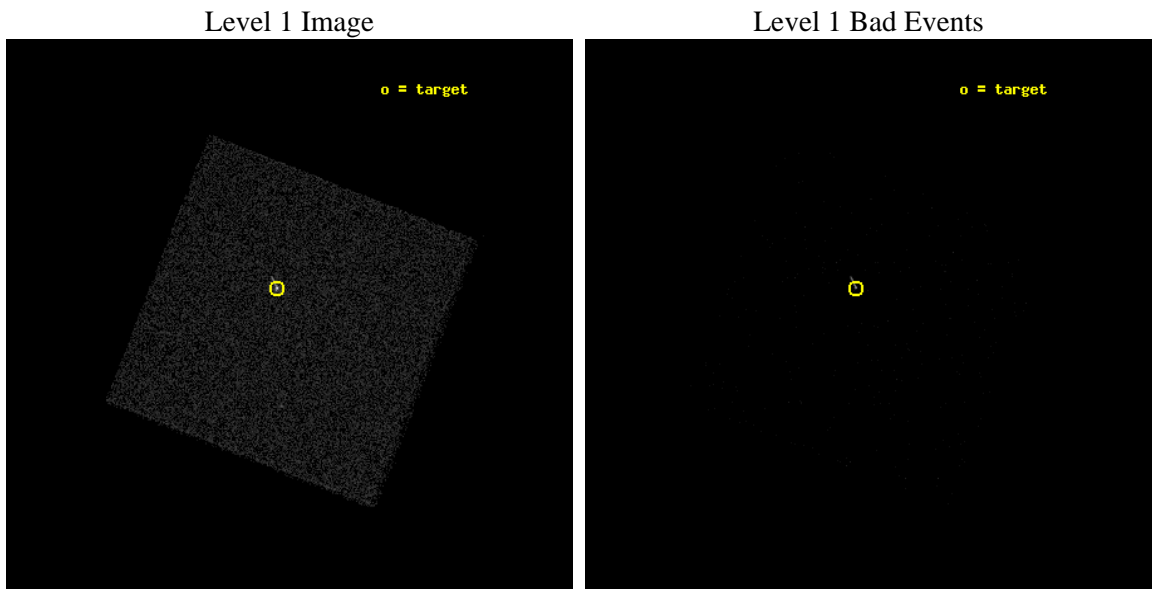
seq_num	290162	Sequence number
obs_id	2606	Observation id
title	AO3 HRC-I CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC	Proposal tit
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.13713138039	Nominal RA [deg]
dec_nom	45.678627944313	Nominal Dec [deg]
roll_nom	336.42071726337	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1202.5812984705	[s]
liveltime	1195.9296337914	Ontime multiplied by DTCOR
l2events	37170	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1202.5812984705	[s]
caldbver	4.5.2	&#160	l1events	66906	Number of level 1 events
date	2012-10-01T03:04:15	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

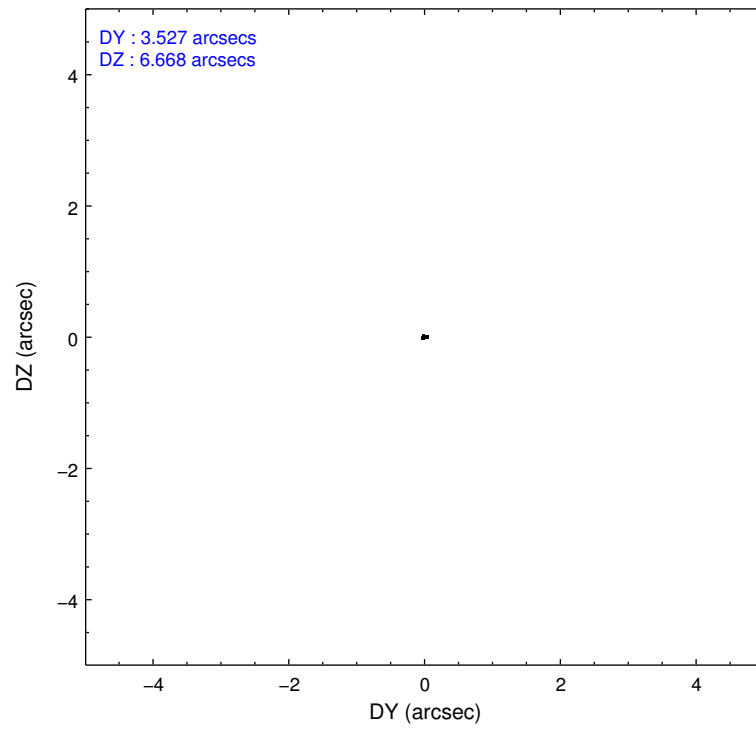
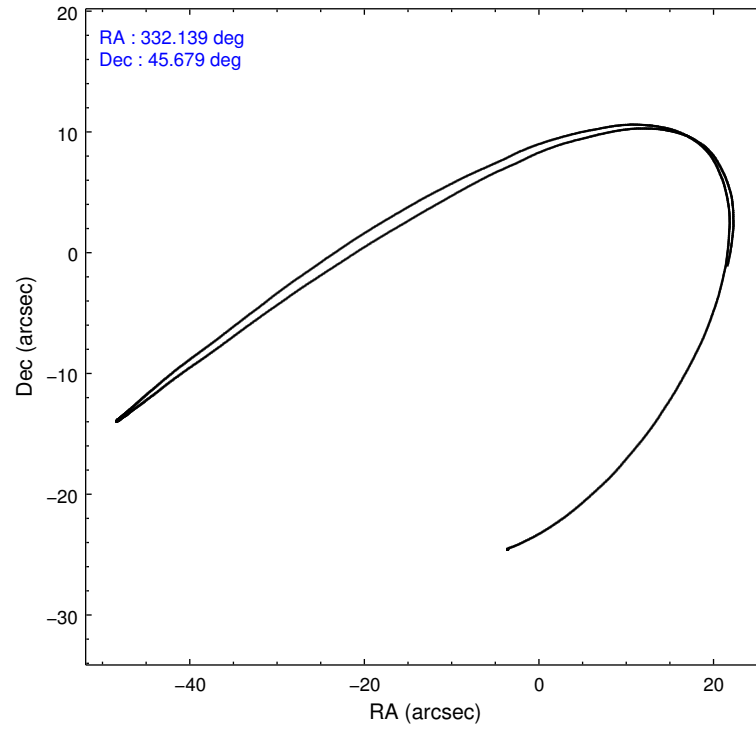
	<b>segment 0</b>
level 1 events	66906
rejected events	13539
rejected %	20%

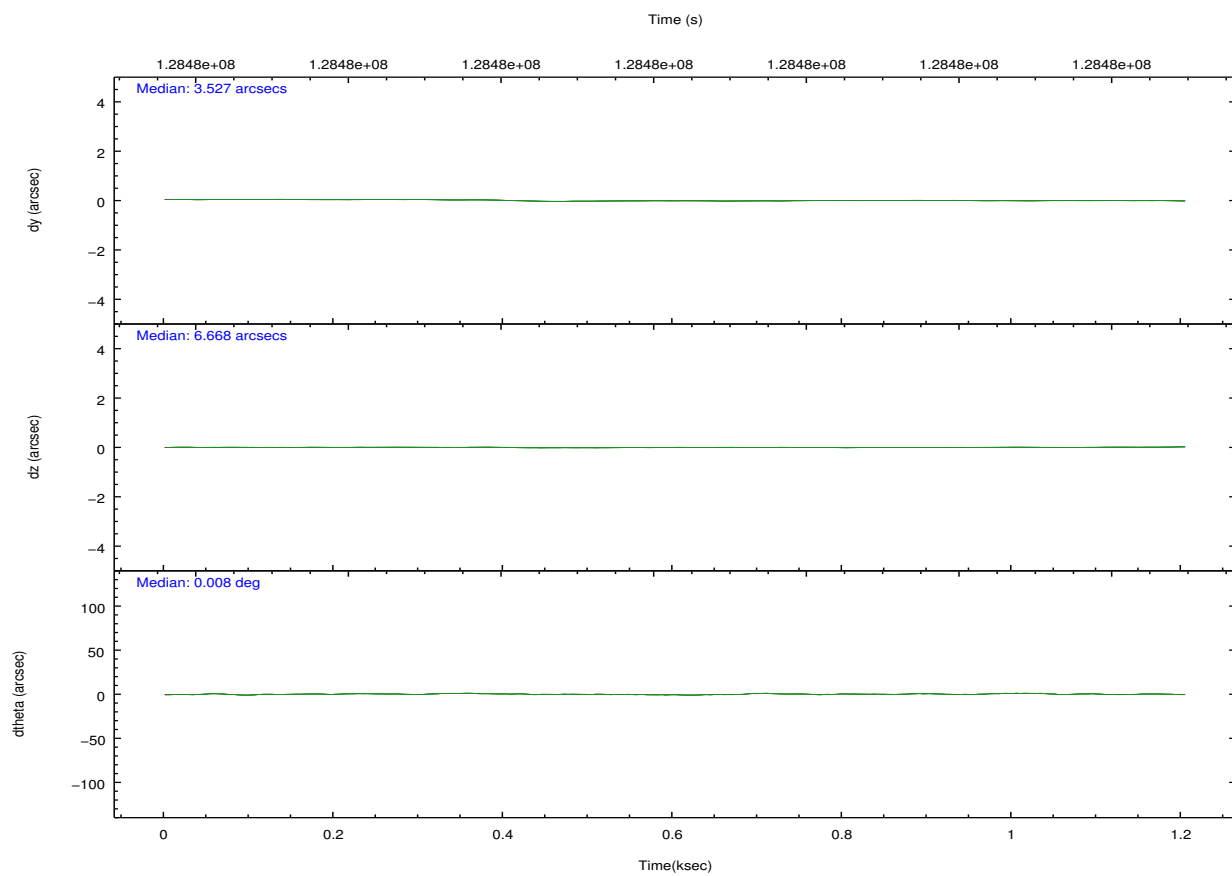
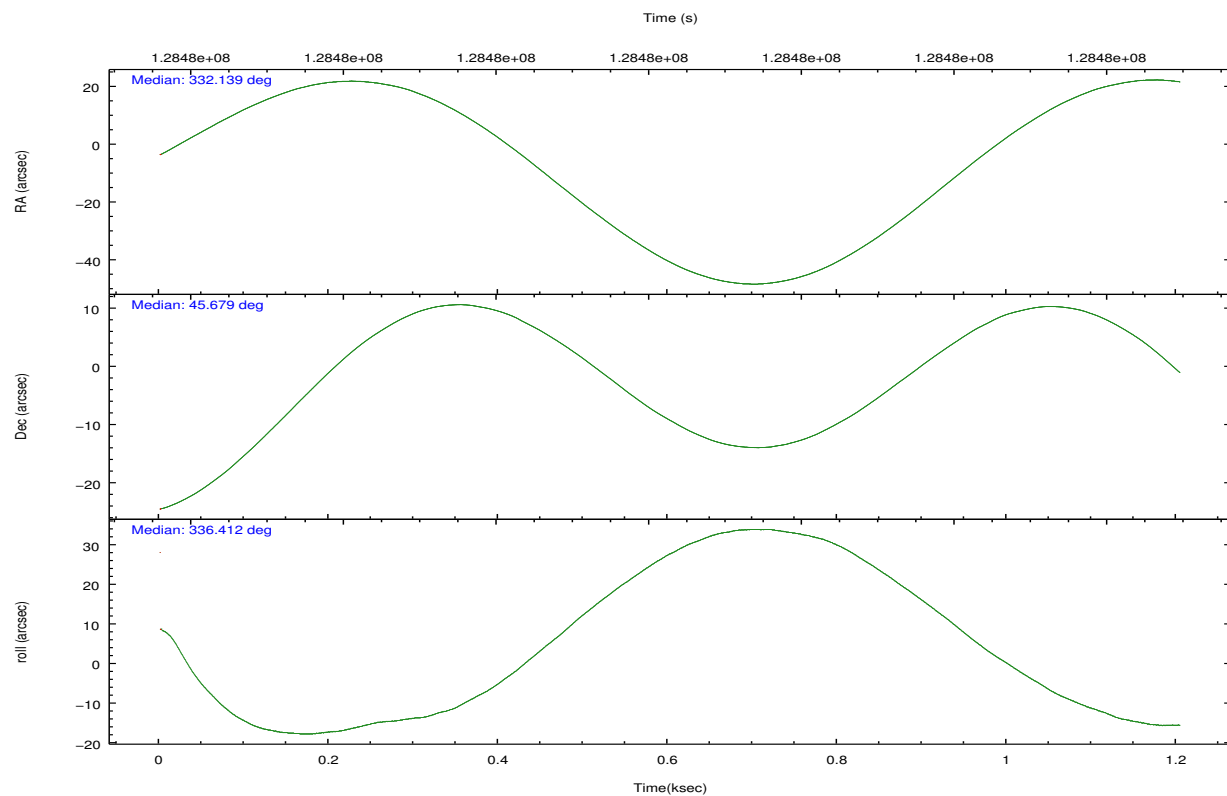
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.097635	332.1371313803932
[deg] Pointing Dec	45.674495	45.67862794431314
[deg] Pointing Roll	336.544376	336.420717263373
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	128476829.184000	128476453.5272
Observation start date	2002-01-26T23:59:25	2002-01-26T23:54:13
[s] Observation end time (MET)	128477829.184000	128477963.35226
Observation end date	2002-01-27T00:16:05	2002-01-27T00:19:23

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

## 2.3 Aspect





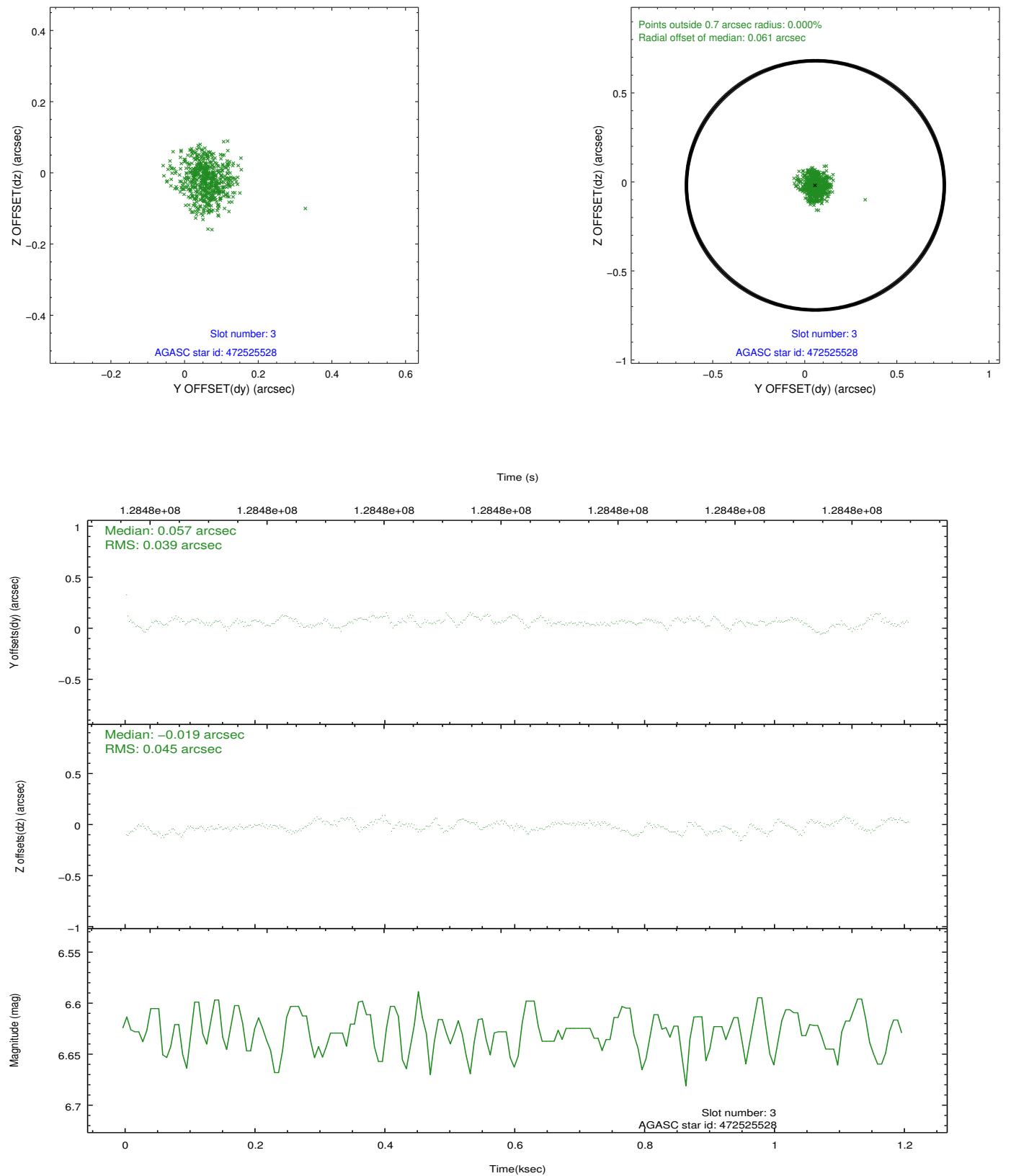
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.00	294	0.069	0.001	0.006	0.010	0.000000	0.000000	853.69	-1296.11
1	FID	HRC-I-3	7.04	294	0.007	-0.007	0.006	0.010	0.000000	0.000000	-1184.61	1005.58
2	FID	HRC-I-4	6.99	294	0.042	-0.081	0.006	0.009	0.000000	0.000000	1279.77	1010.97
3	GUIDE	472525528	6.63	588	0.057	-0.019	0.064	0.098	331.551102	45.248694	-663.90	-1956.58
4	GUIDE	472523760	8.23	588	0.002	-0.102	0.070	0.107	331.645363	45.403260	-664.02	-1354.58
5	GUIDE	472527656	9.14	588	-0.180	-0.020	0.106	0.168	331.004689	45.273362	-1975.54	-2415.42
6	GUIDE	472659832	9.47	587	0.039	0.093	0.104	0.164	332.780399	46.098139	948.35	2077.12
7	GUIDE	472654568	9.43	586	0.068	0.044	0.091	0.142	332.194449	45.063576	1101.42	-1918.98

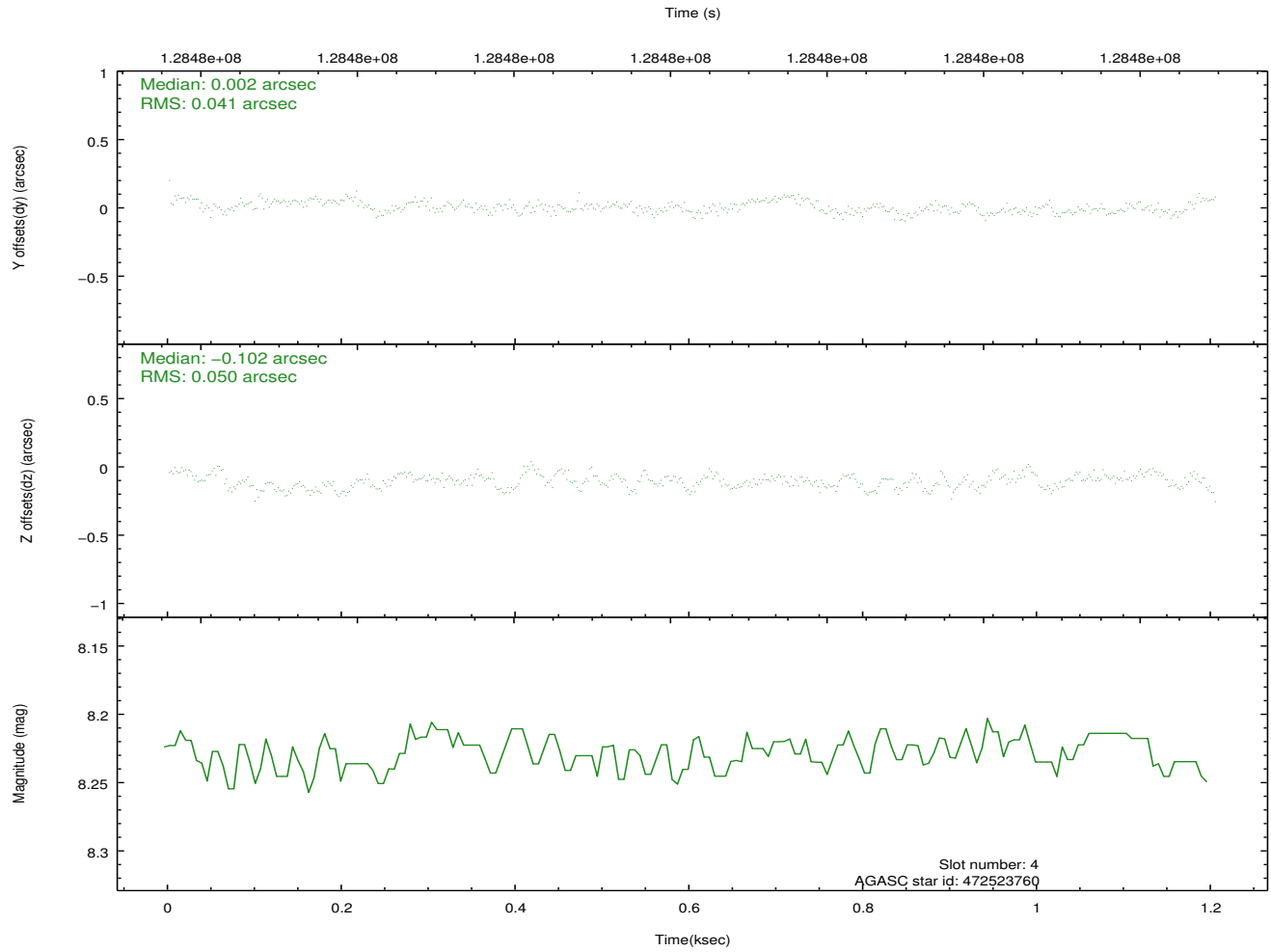
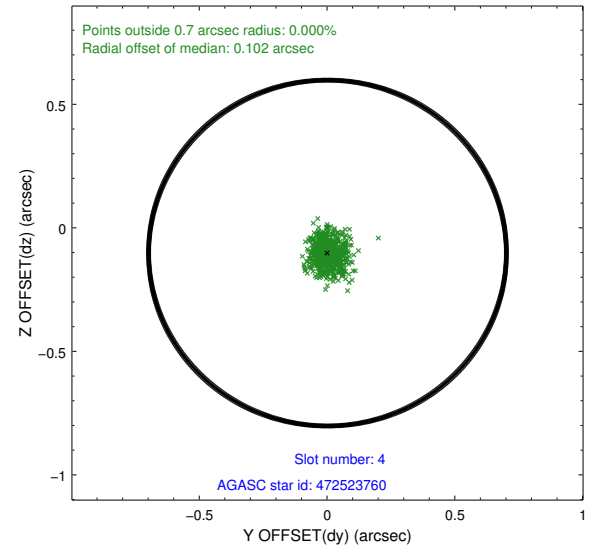
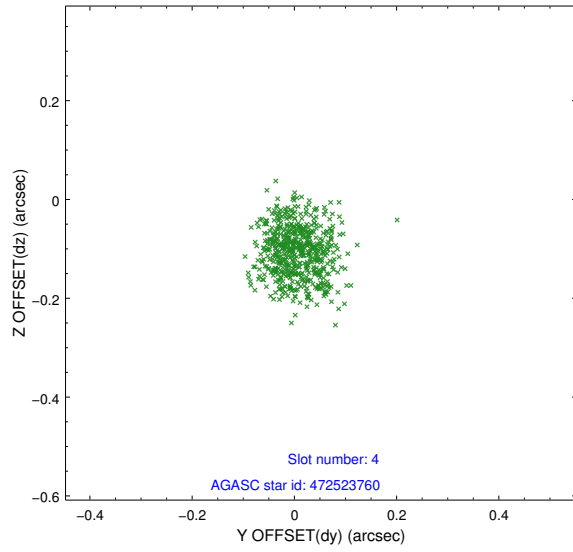


## 2.4 Star Slots

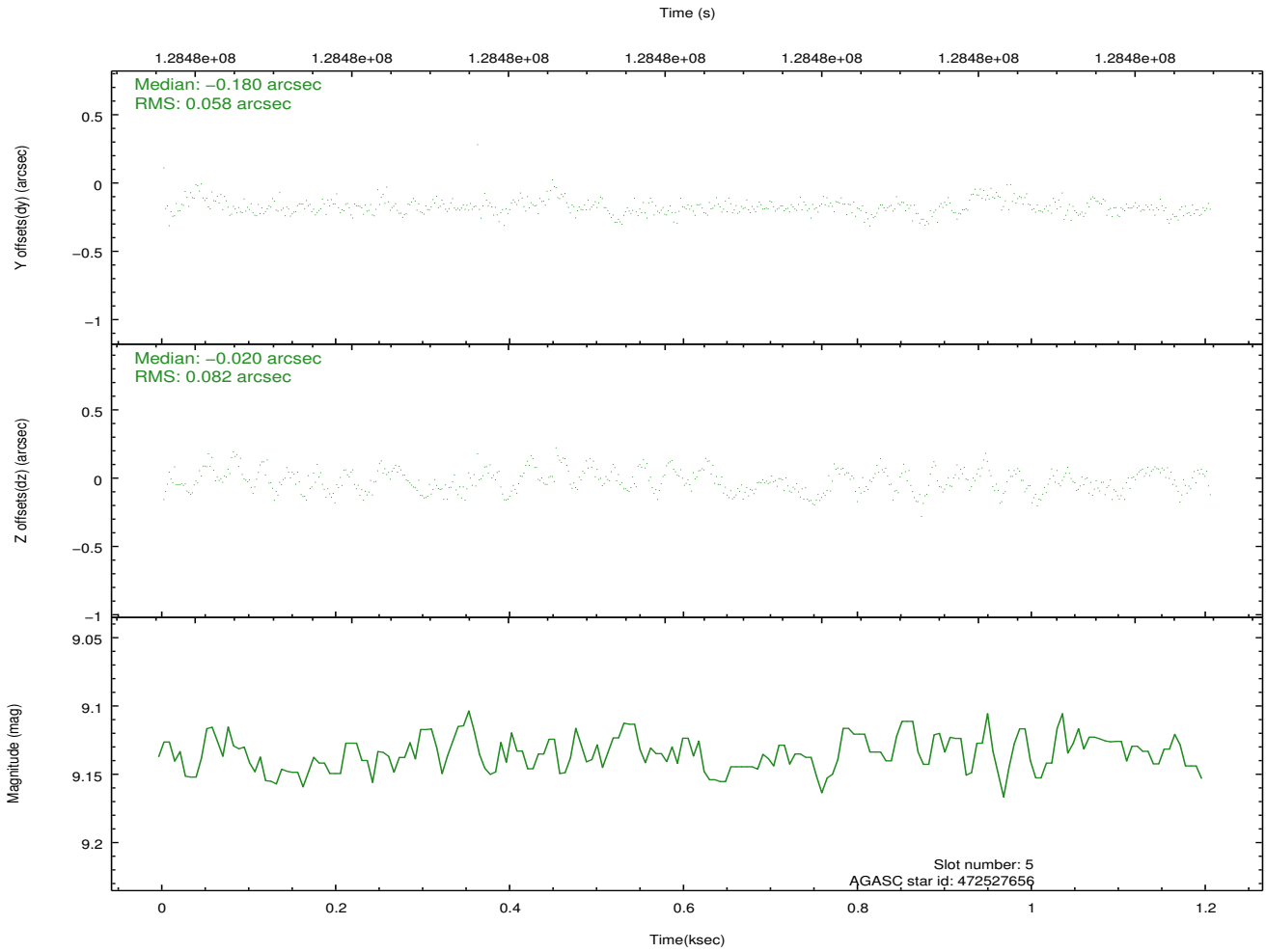
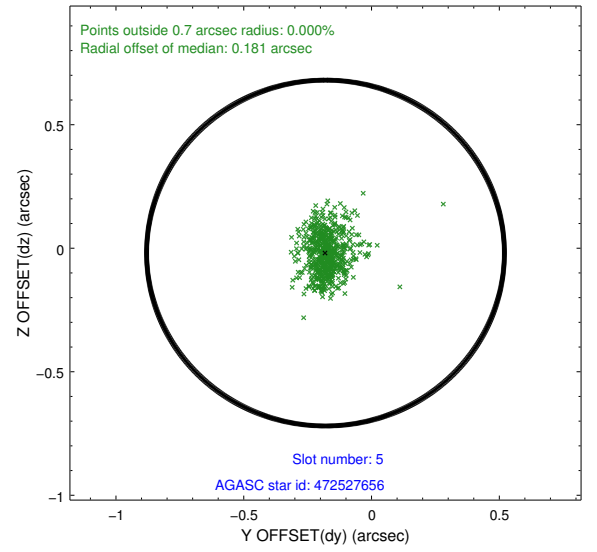
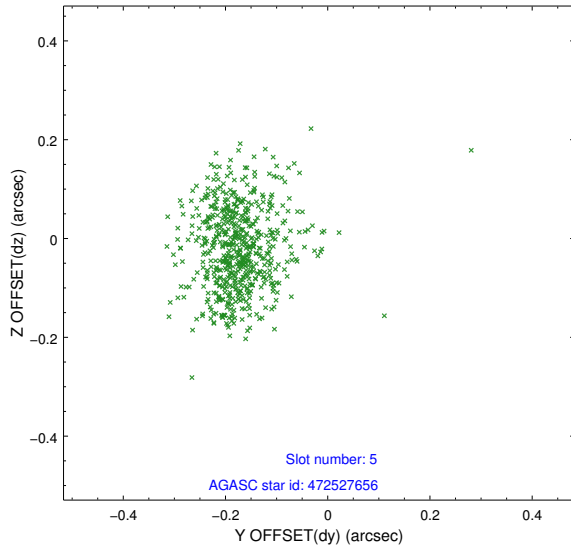
### 2.4.1 Slot 3



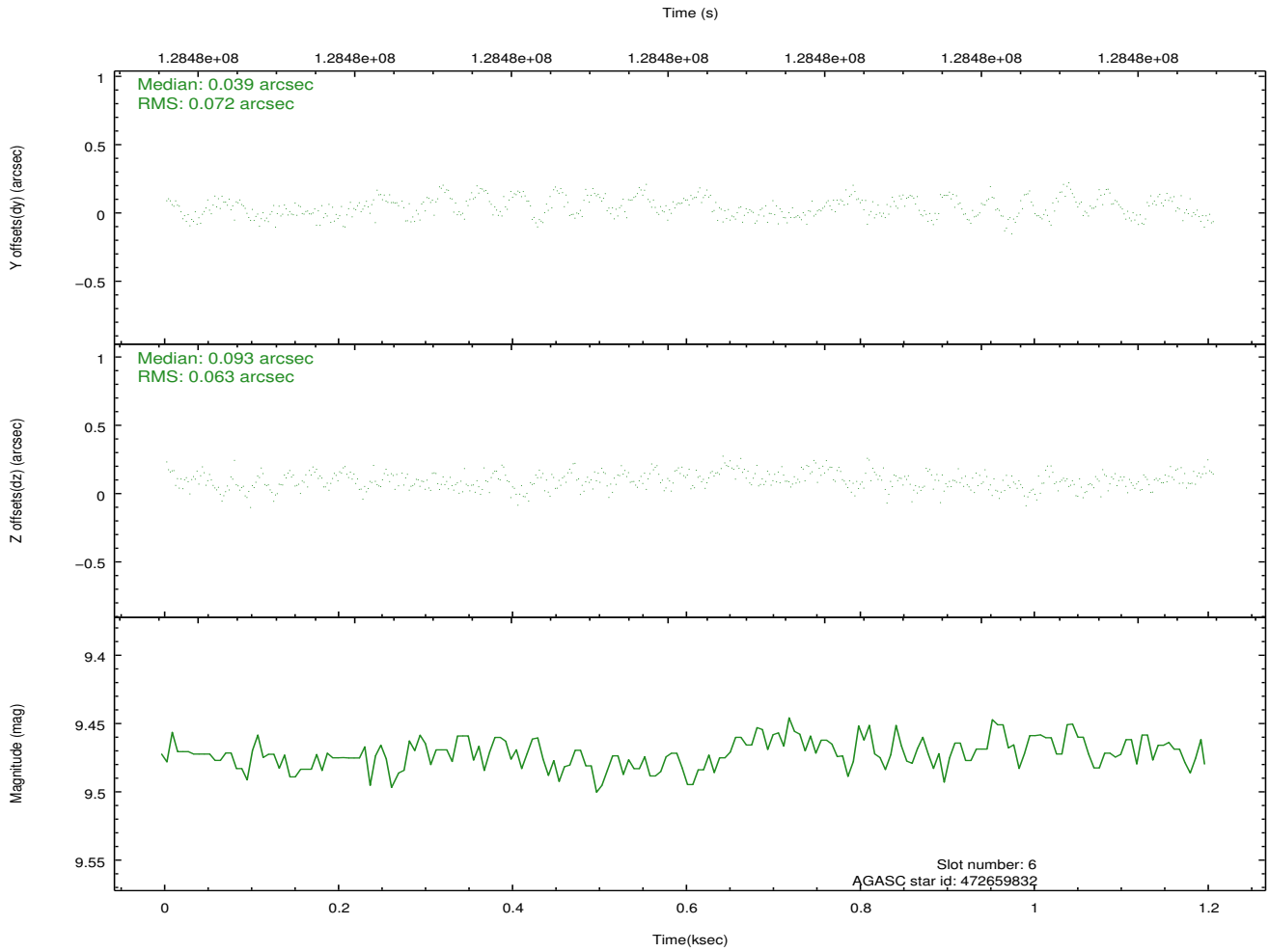
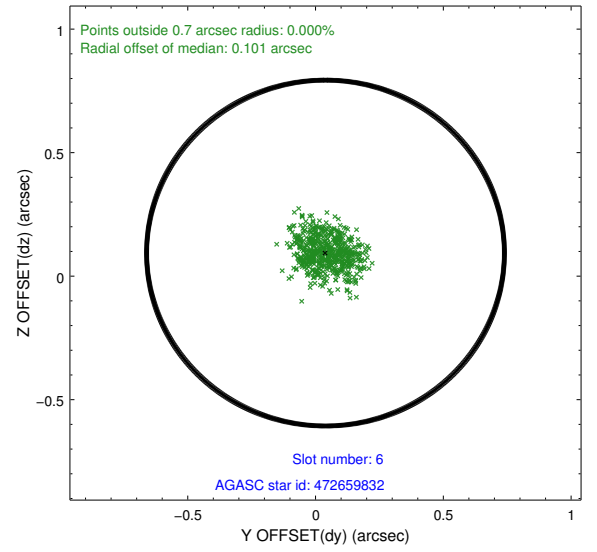
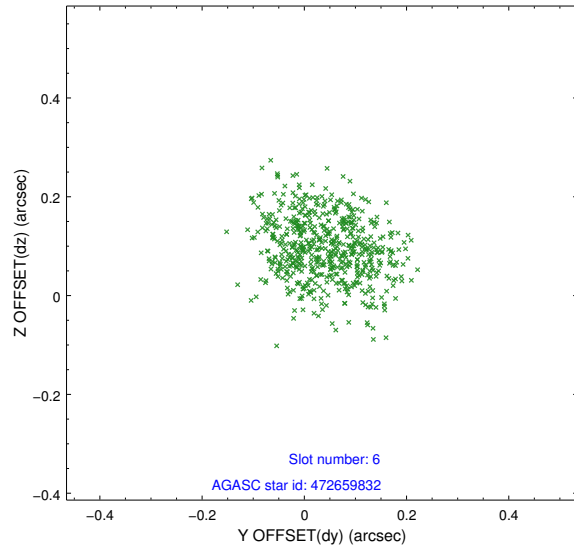
## 2.4.2 Slot 4



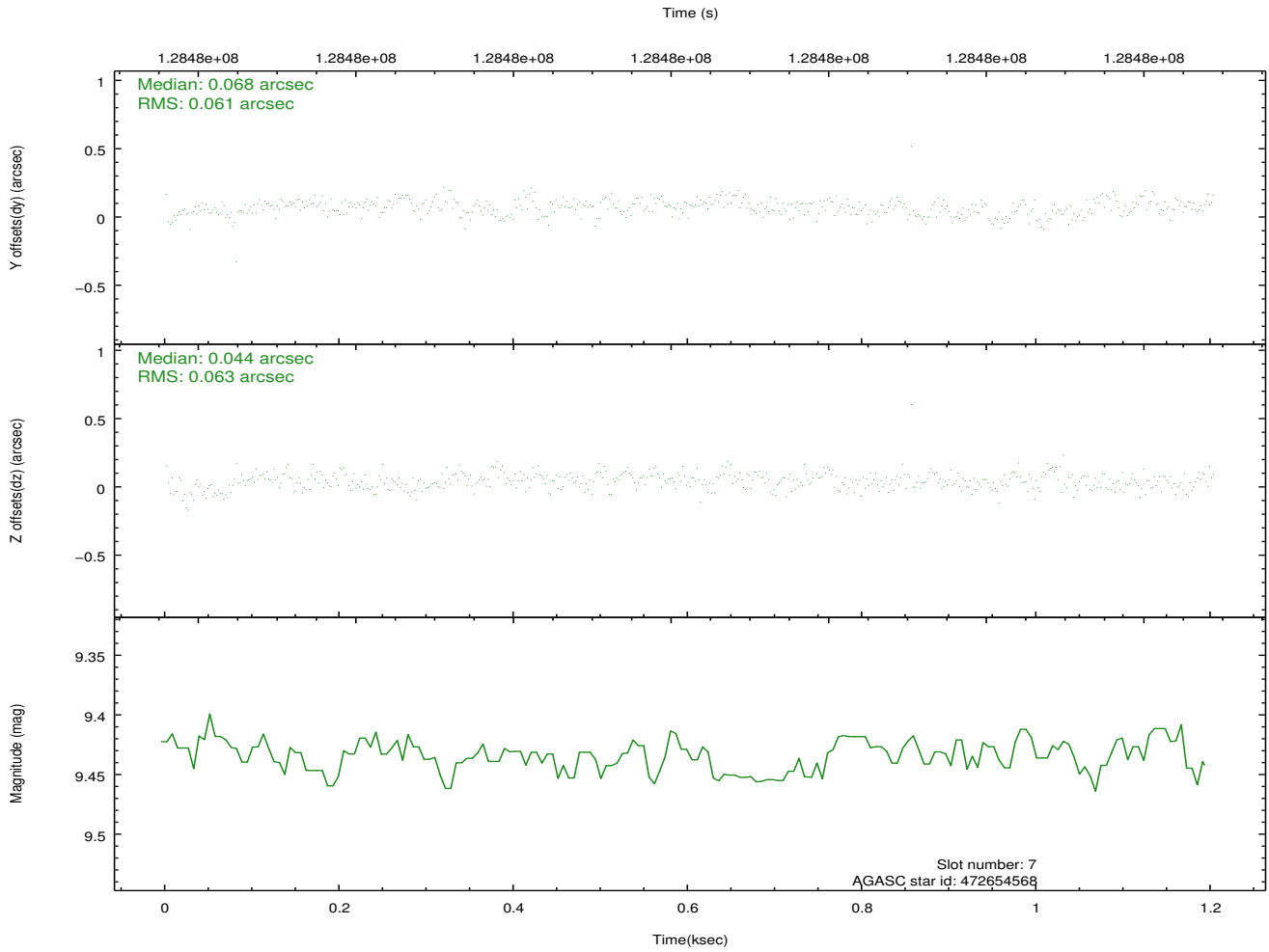
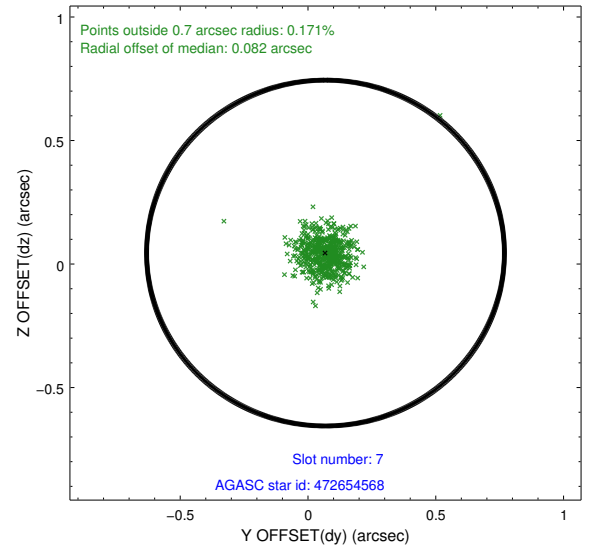
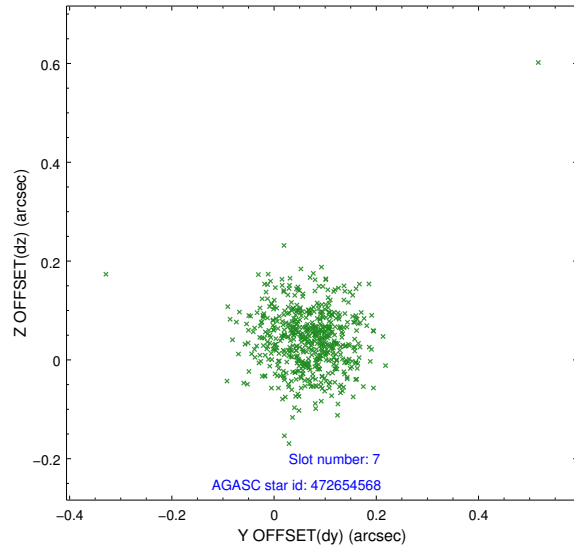
### 2.4.3 Slot 5



## 2.4.4 Slot 6

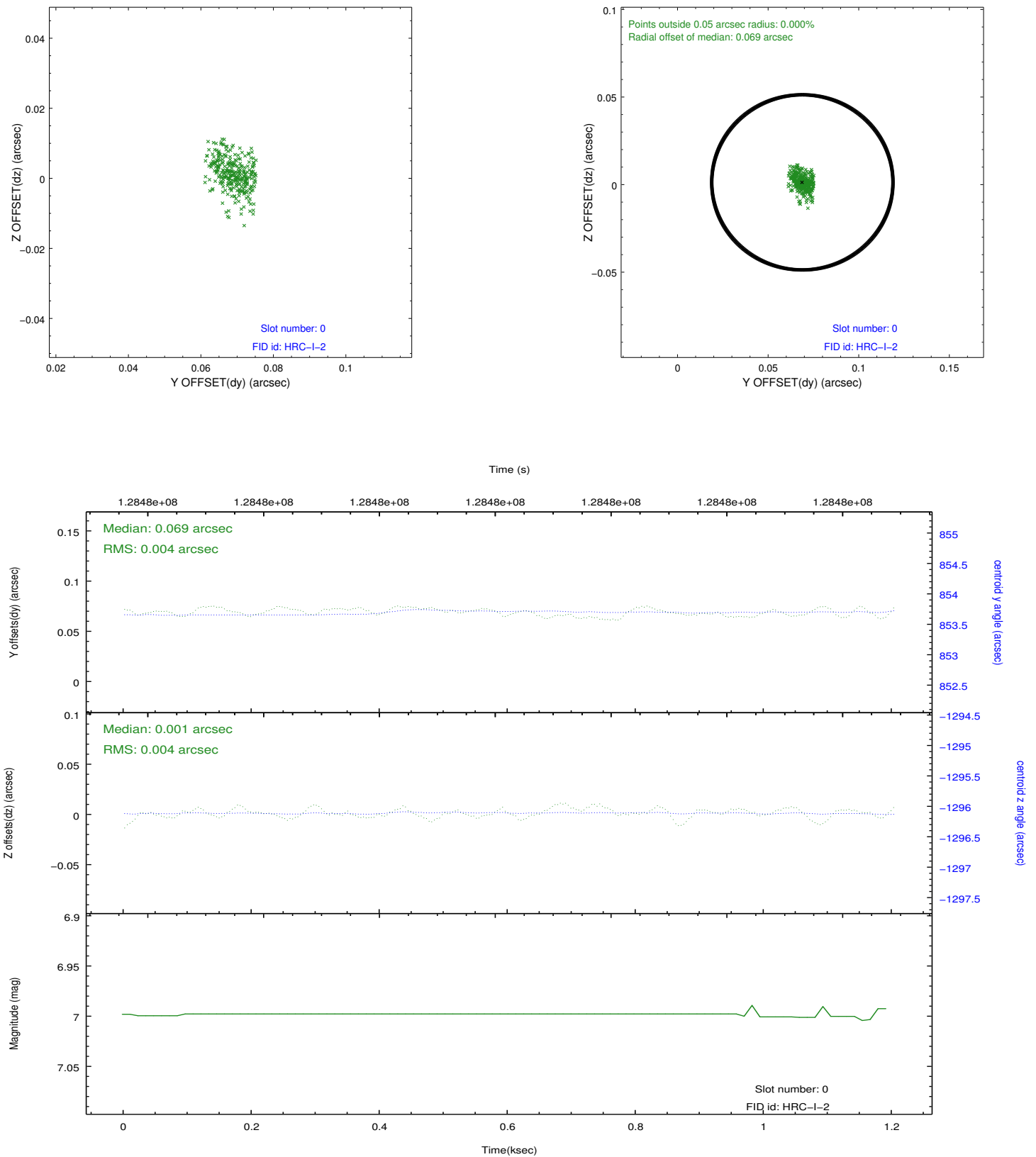


## 2.4.5 Slot 7

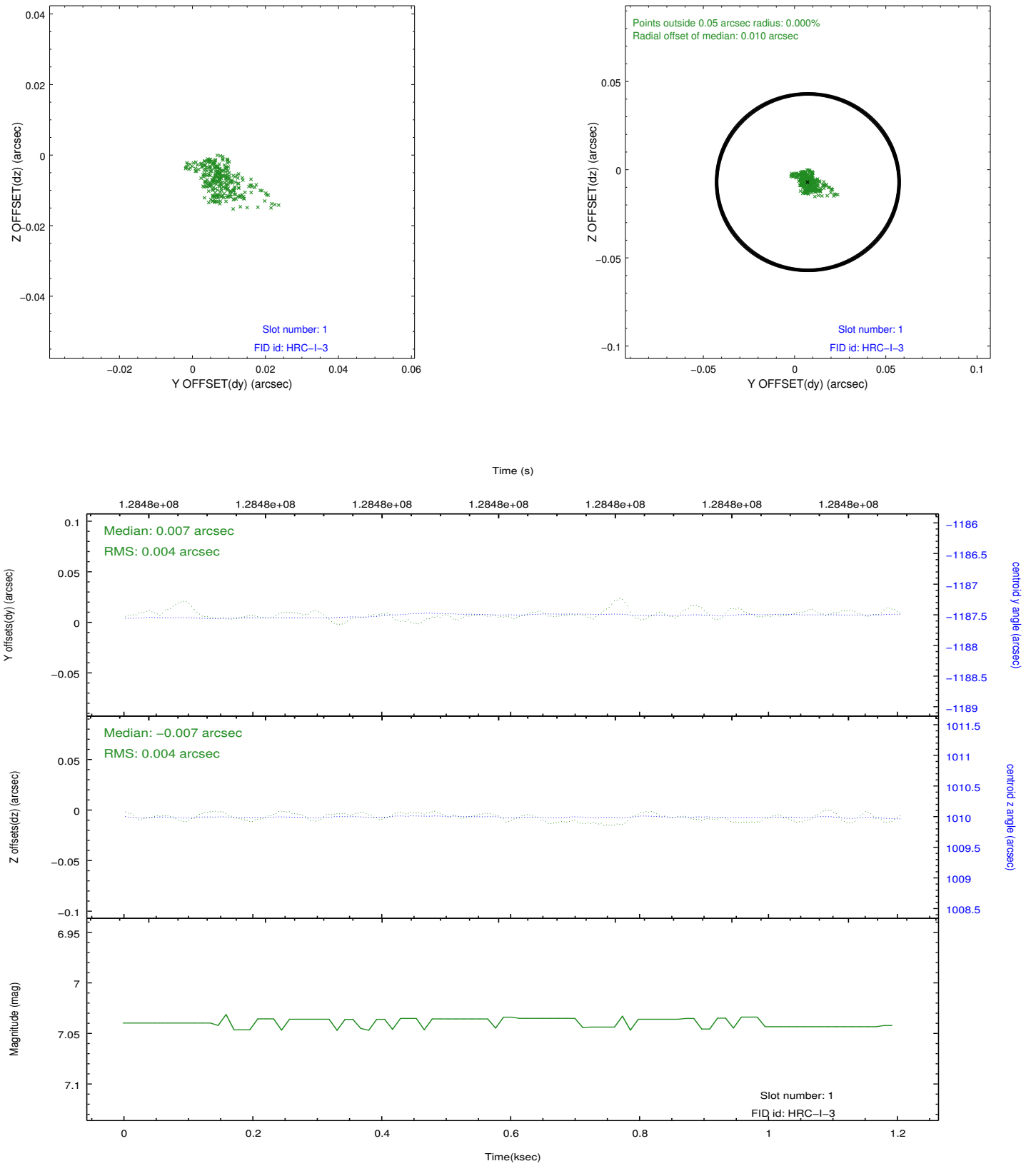


## 2.5 FID Slots

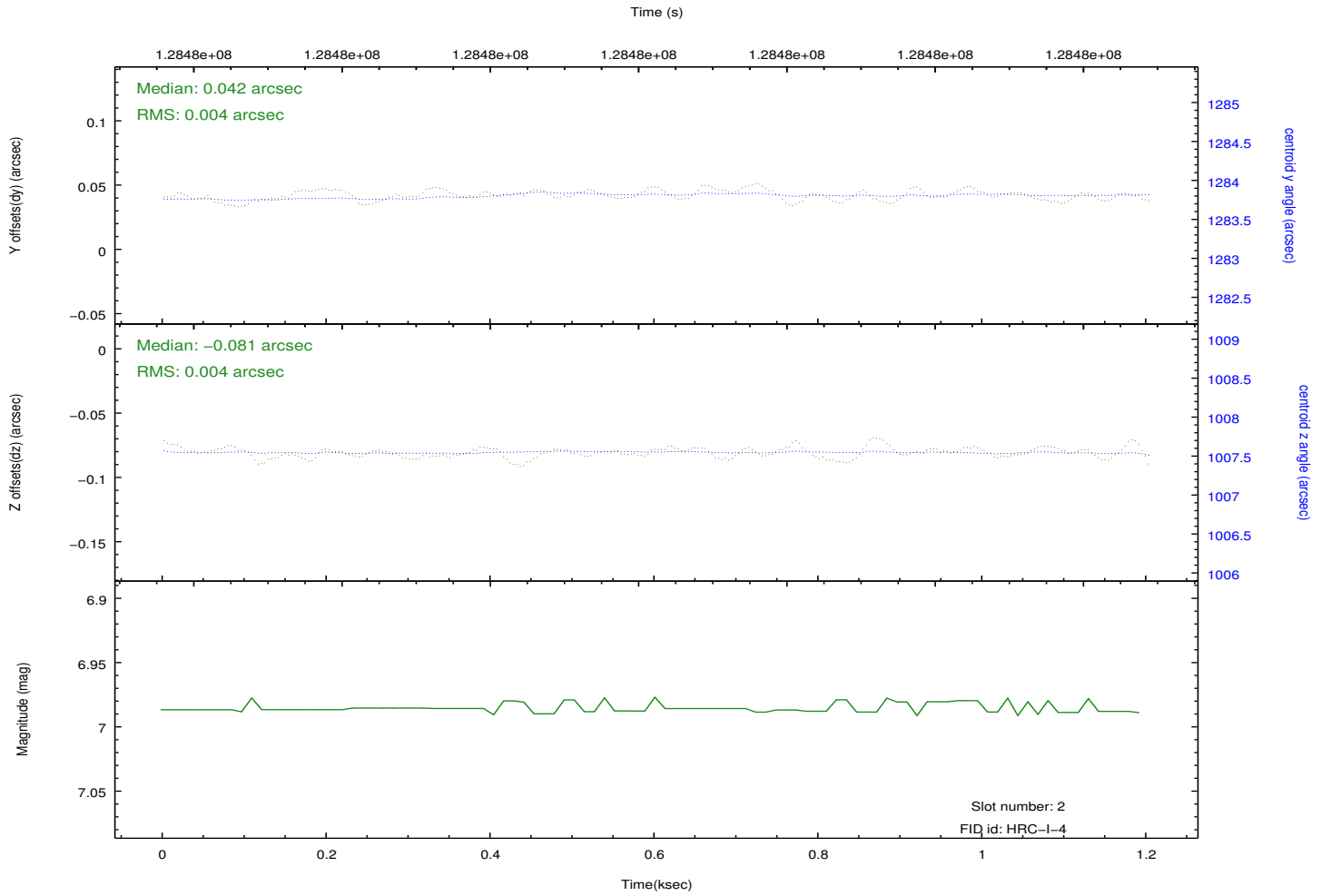
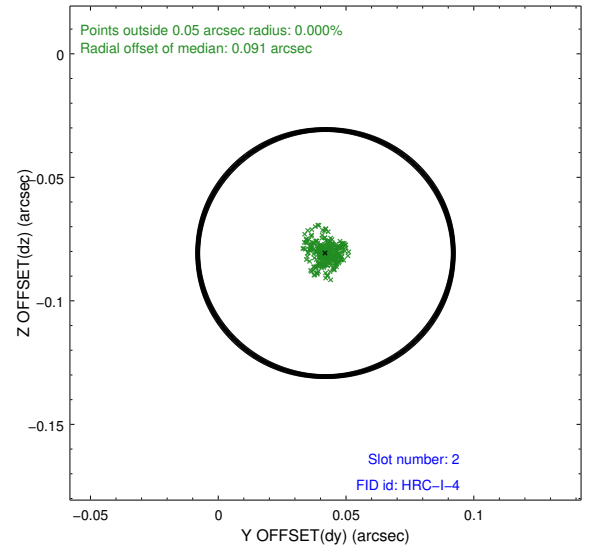
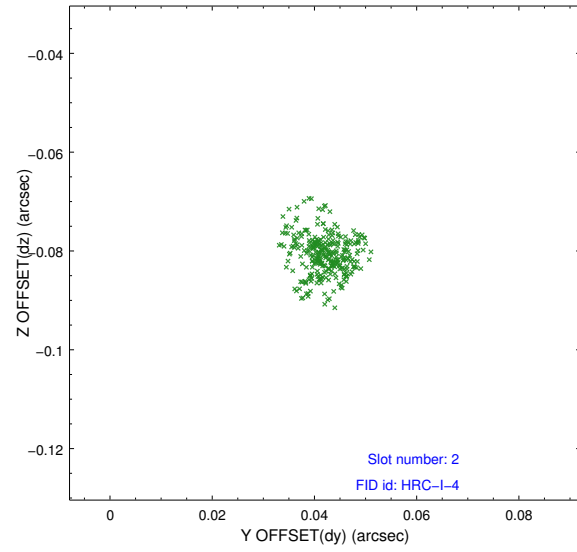
### 2.5.1 Slot 0



## 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)	2012.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.202

### A.2 Comments