

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 4326 - L2 Version 3  
Chandra X-Ray Center

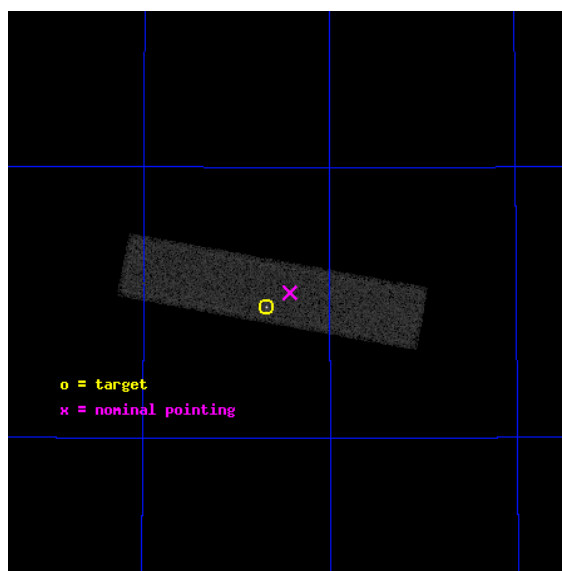
L2 Processing Date : Nov 2 2012

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# 1 Front

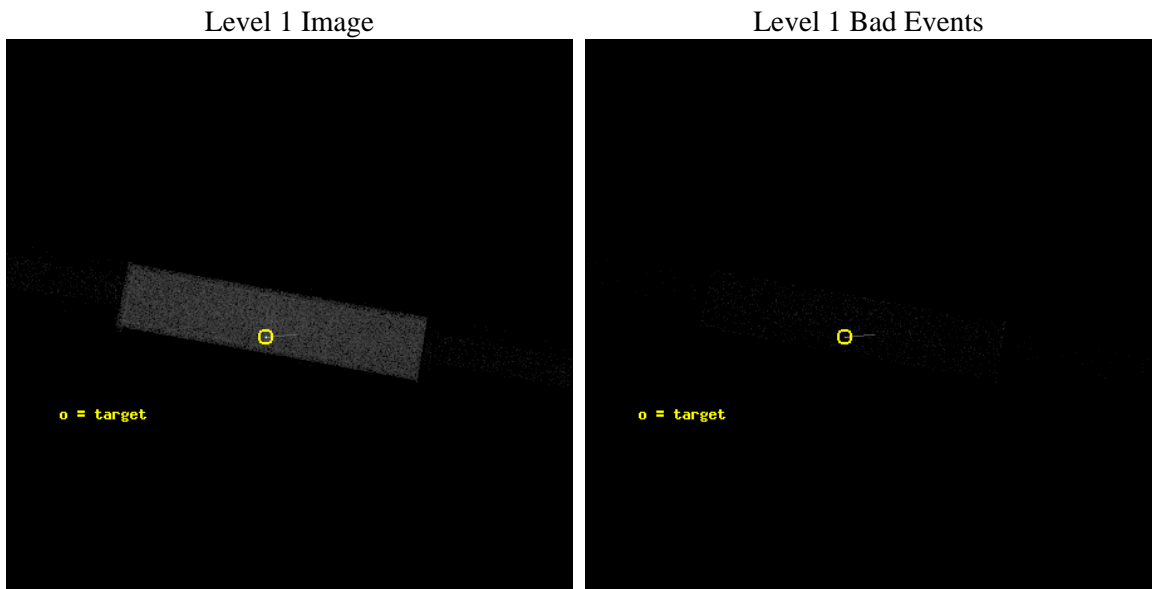
seq_num	290286	Sequence number
obs_id	4326	Observation id
title	AO4B CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.10735050955	Nominal RA [deg]
dec_nom	45.768687934495	Nominal Dec [deg]
roll_nom	190.08054370508	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1141.0812988877	[s]
livetime	1135.2822984233	Ontime multiplied by DTCOR
l2events	40860	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	1141.0812988877	[s]
caldsver	4.5.2	&#160	l1events	67575	Number of level 1 events
date	2012-11-02T16:20:50	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

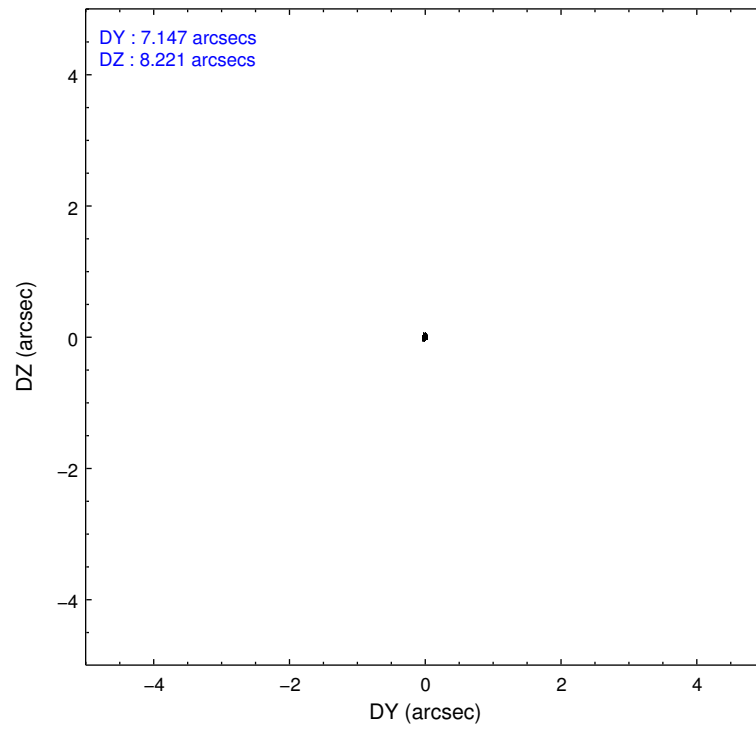
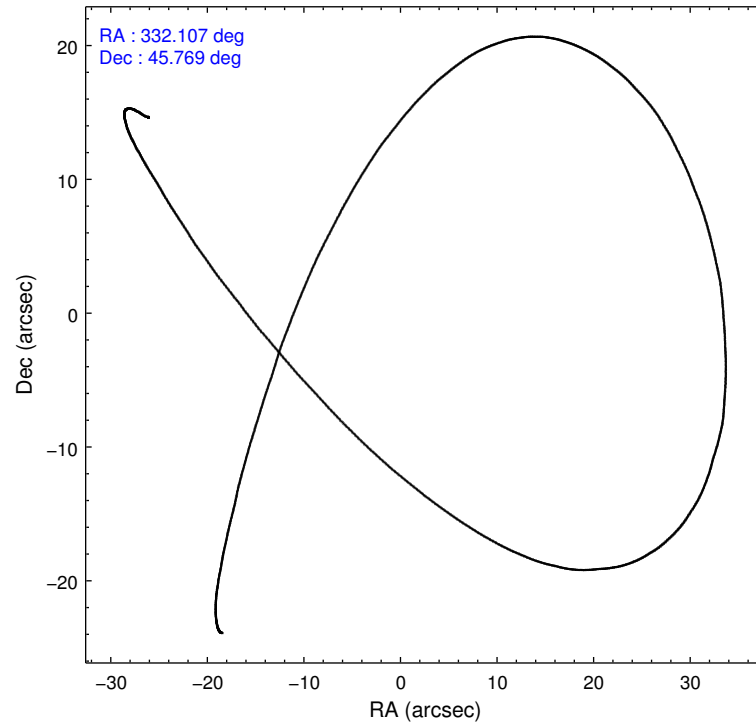
	segment 1	segment 2	segment 3
level 1 events	1134	65377	1064
rejected events	1134	15088	1064
rejected %	100%	23%	100%

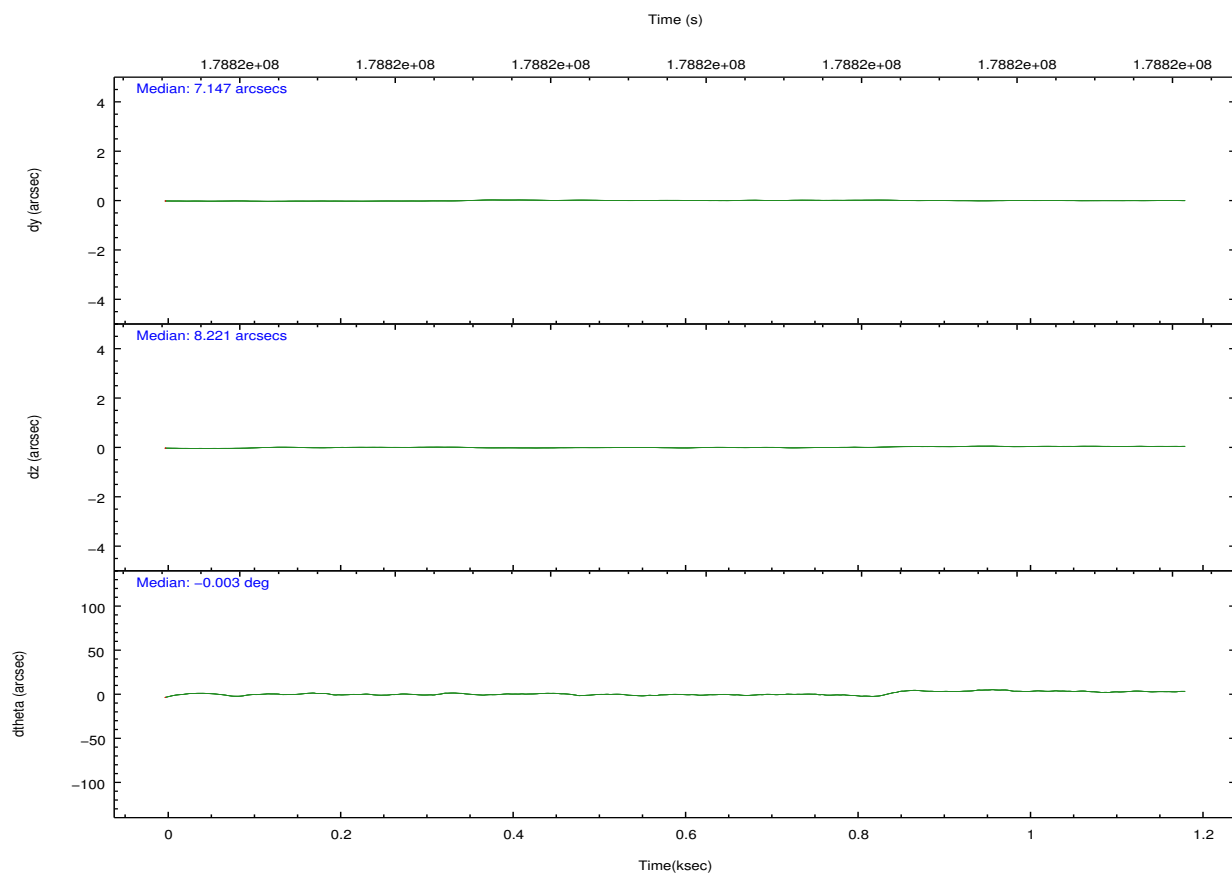
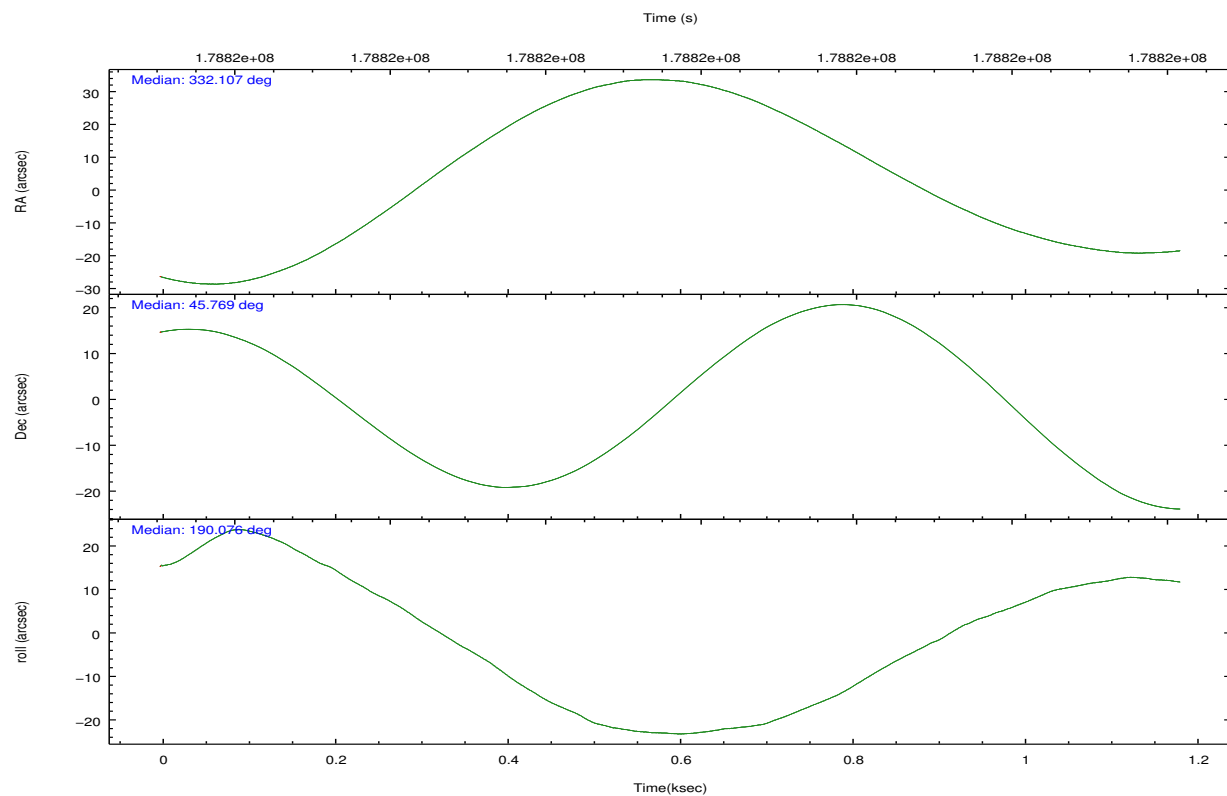
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.138069	332.1073505095533
[deg] Pointing Dec	45.788138	45.76868793449533
[deg] Pointing Roll	189.991211	190.0805437050768
[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)	178820548.184000	178820172.658
Observation start date	2003-09-01T16:21:24	2003-09-01T16:16:12
[s] Observation end time (MET)	178821548.184000	178821682.48306
Observation end date	2003-09-01T16:38:04	2003-09-01T16:41:22

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

## 2.3 Aspect





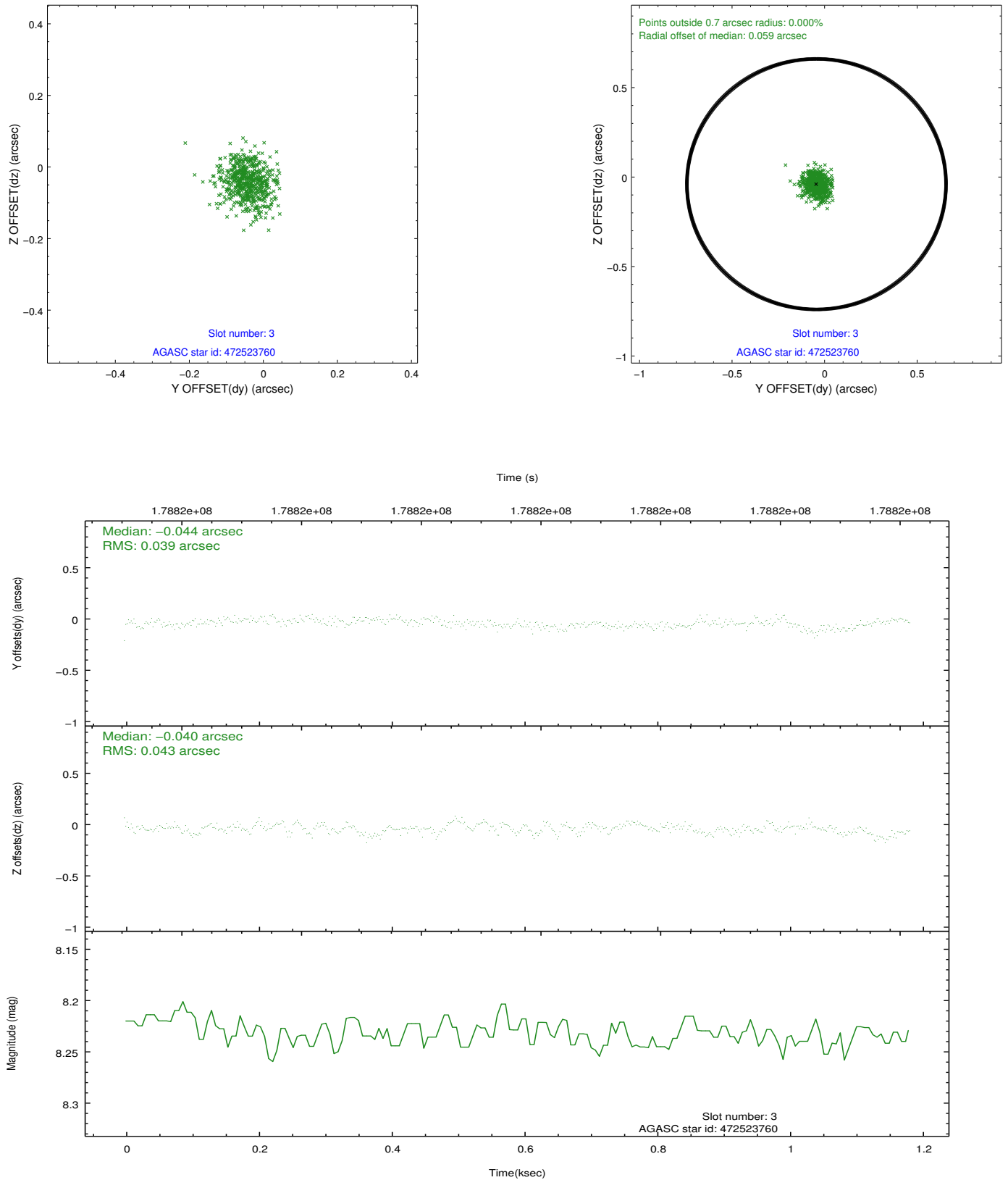
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	289	0.095	-0.122	0.005	0.010	0.000000	0.000000	-1161.34	-456.82
1	FID	HRC-S-2	7.02	289	0.125	-0.101	0.017	0.060	0.000000	0.000000	1234.35	-451.02
2	FID	HRC-S-4	6.98	289	0.182	-0.081	0.017	0.054	0.000000	0.000000	1241.29	573.73
3	GUIDE	472523760	8.23	578	-0.044	-0.040	0.062	0.099	331.645363	45.403260	1464.72	1145.40
4	GUIDE	472527720	7.00	578	-0.111	-0.075	0.078	0.125	331.460205	45.112509	2117.72	2092.16
5	GUIDE	472533912	9.16	578	-0.008	0.012	0.113	0.187	331.791136	46.368695	488.28	-2205.44
6	GUIDE	472655152	9.44	578	0.063	0.063	0.096	0.144	332.504239	45.862991	-951.66	-111.42
7	GUIDE	472659832	9.46	573	0.085	0.035	0.112	0.276	332.780399	46.098139	-1776.76	-827.02

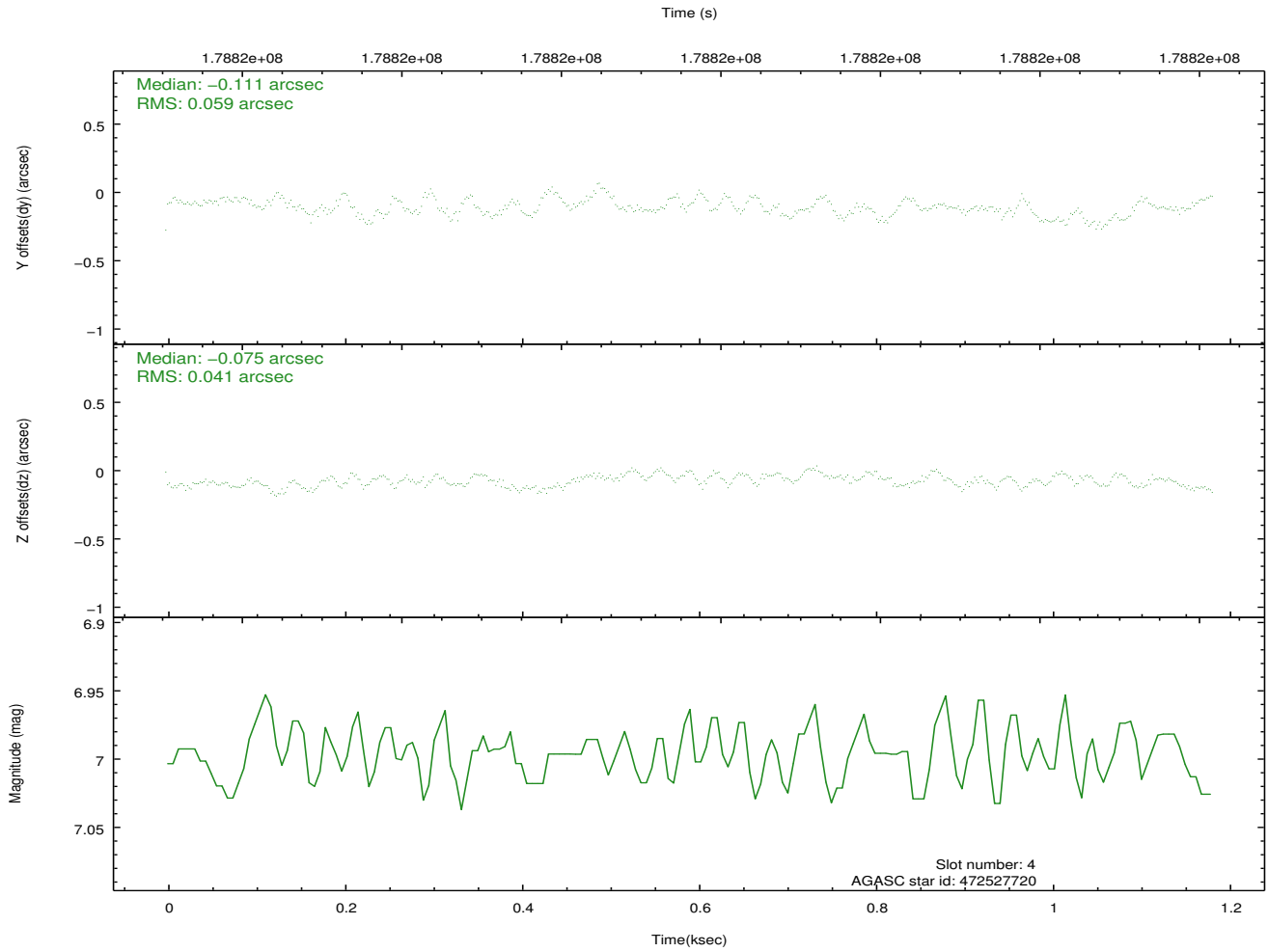
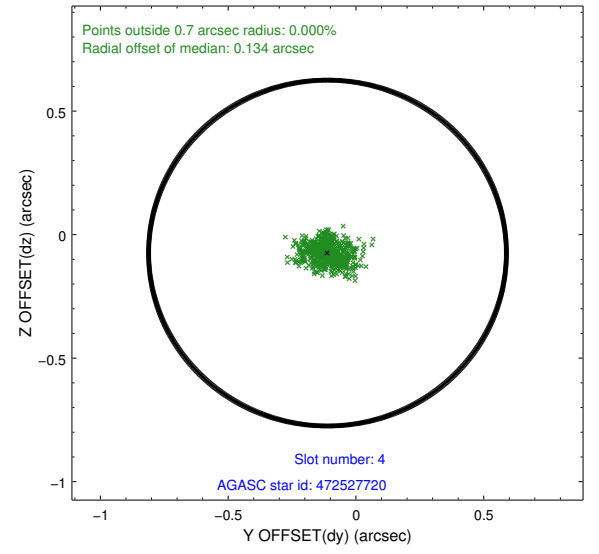
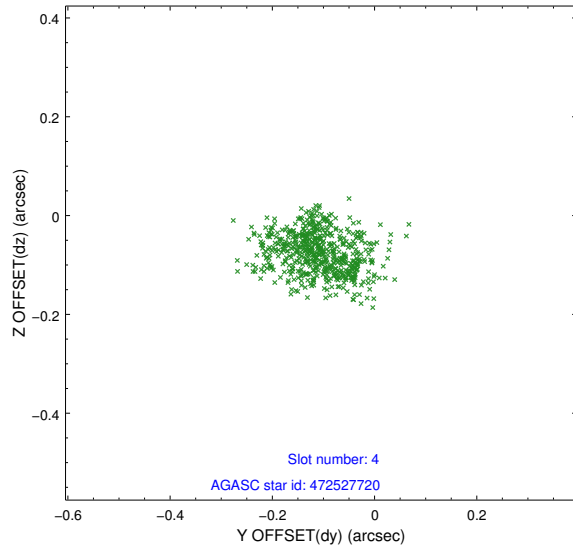


## 2.4 Star Slots

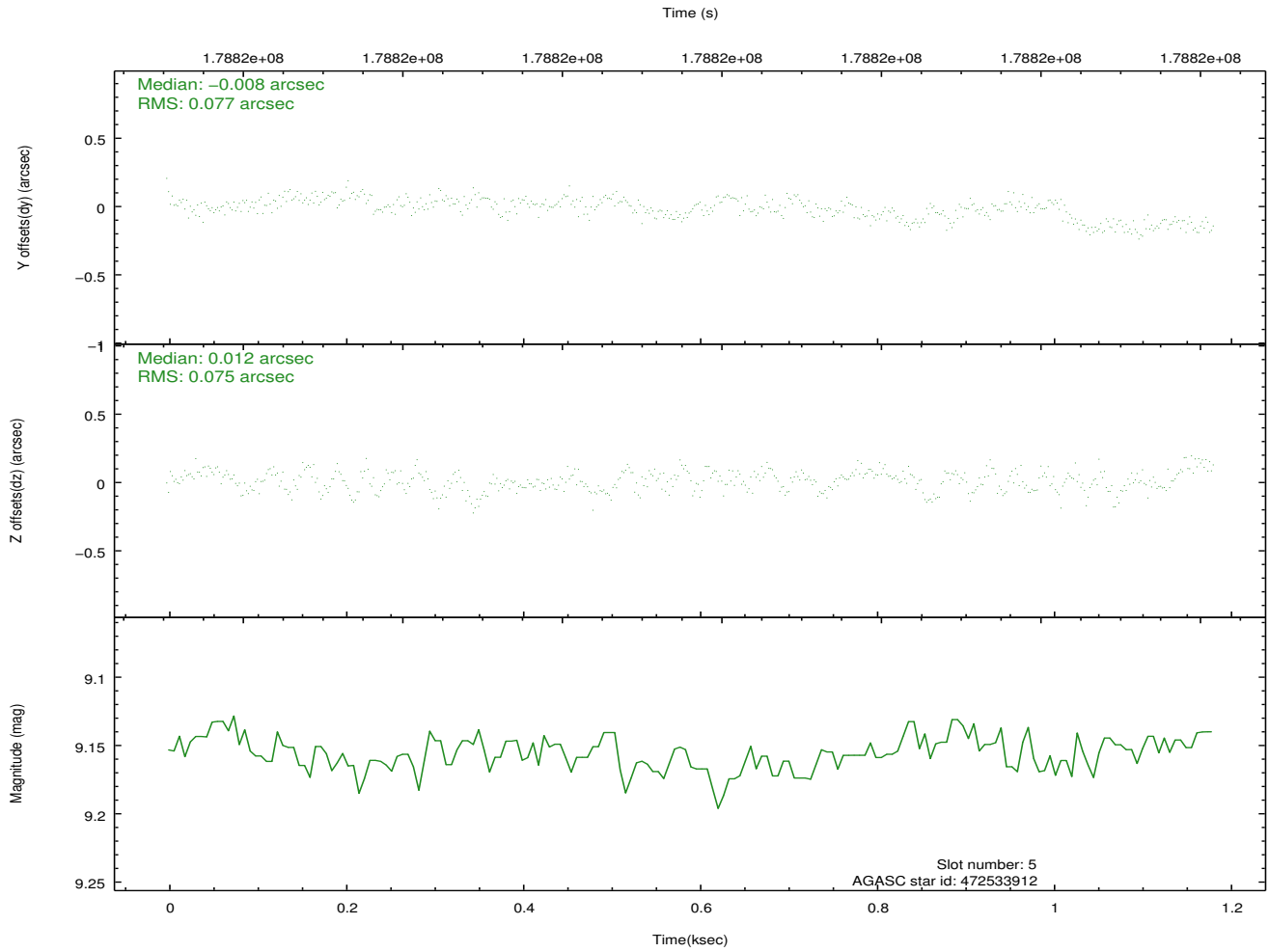
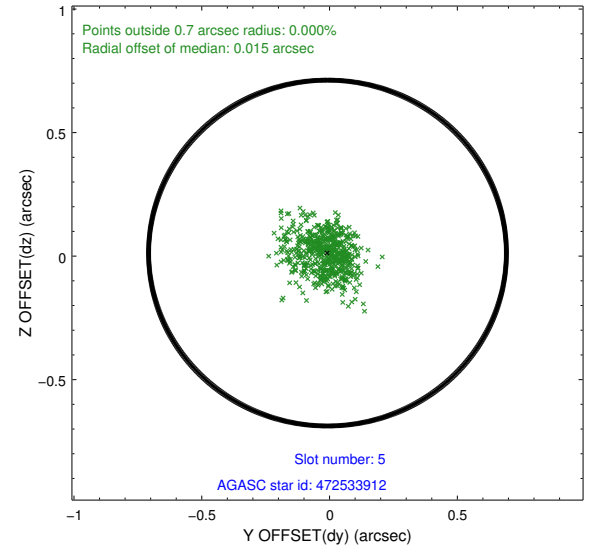
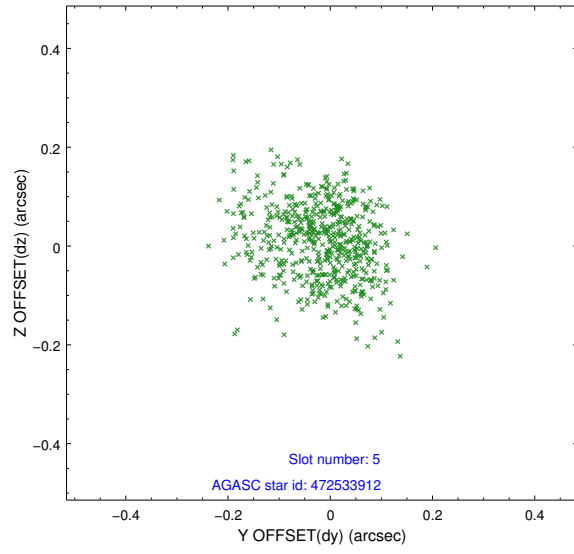
### 2.4.1 Slot 3



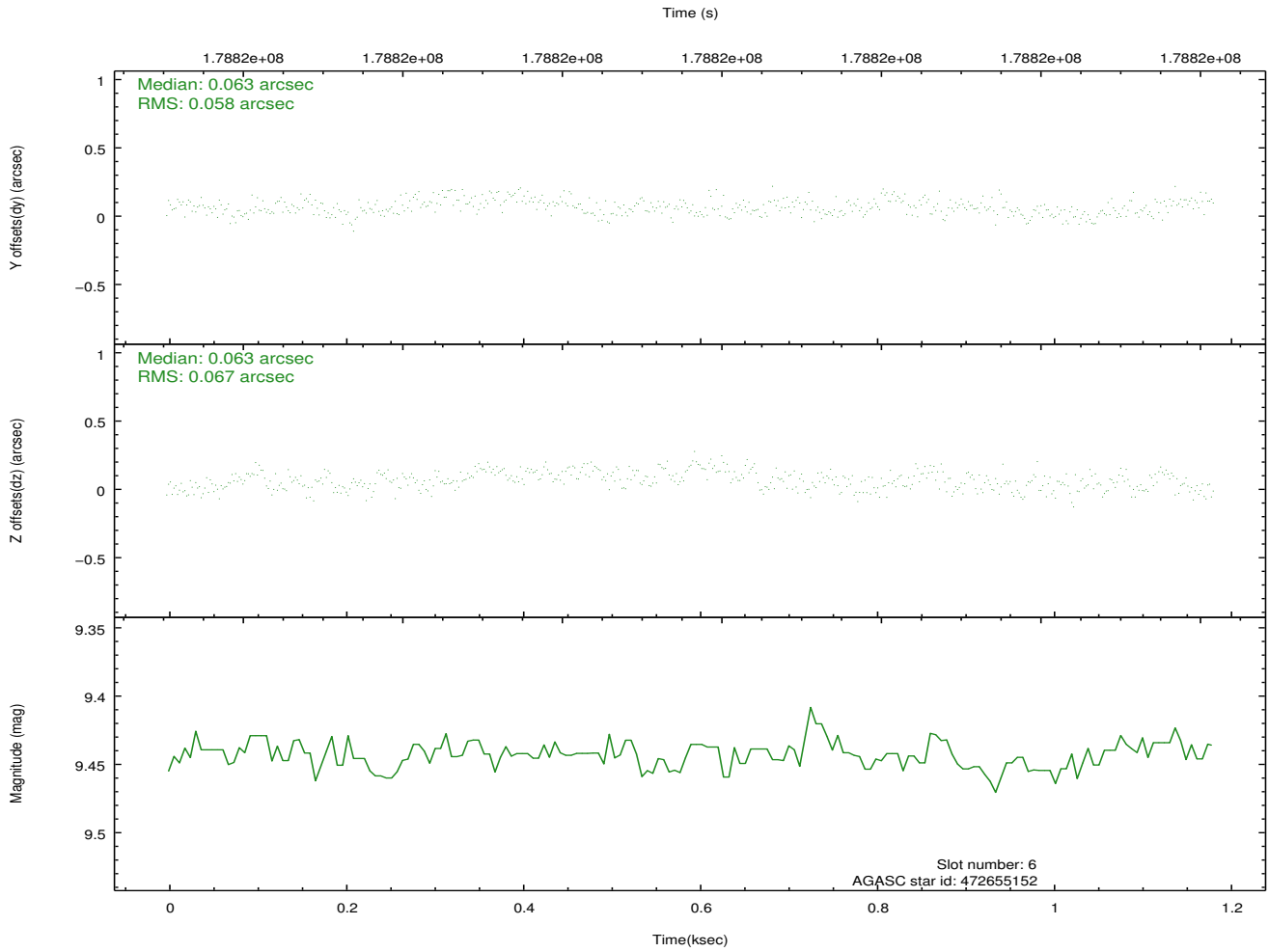
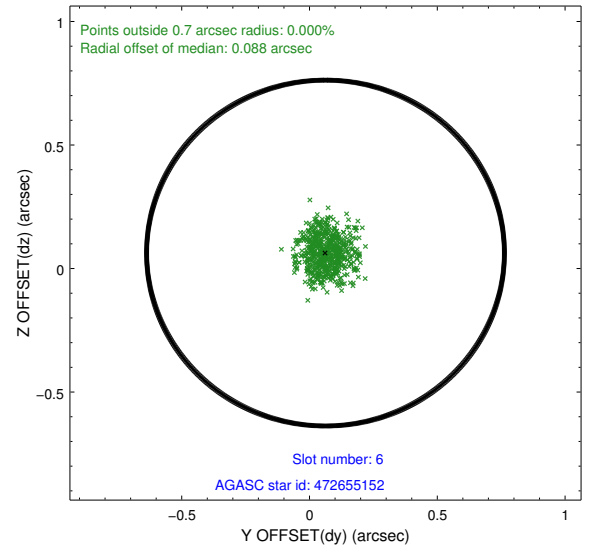
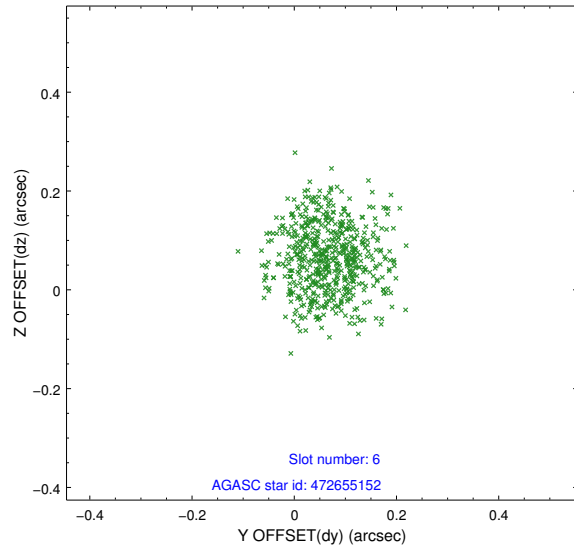
## 2.4.2 Slot 4



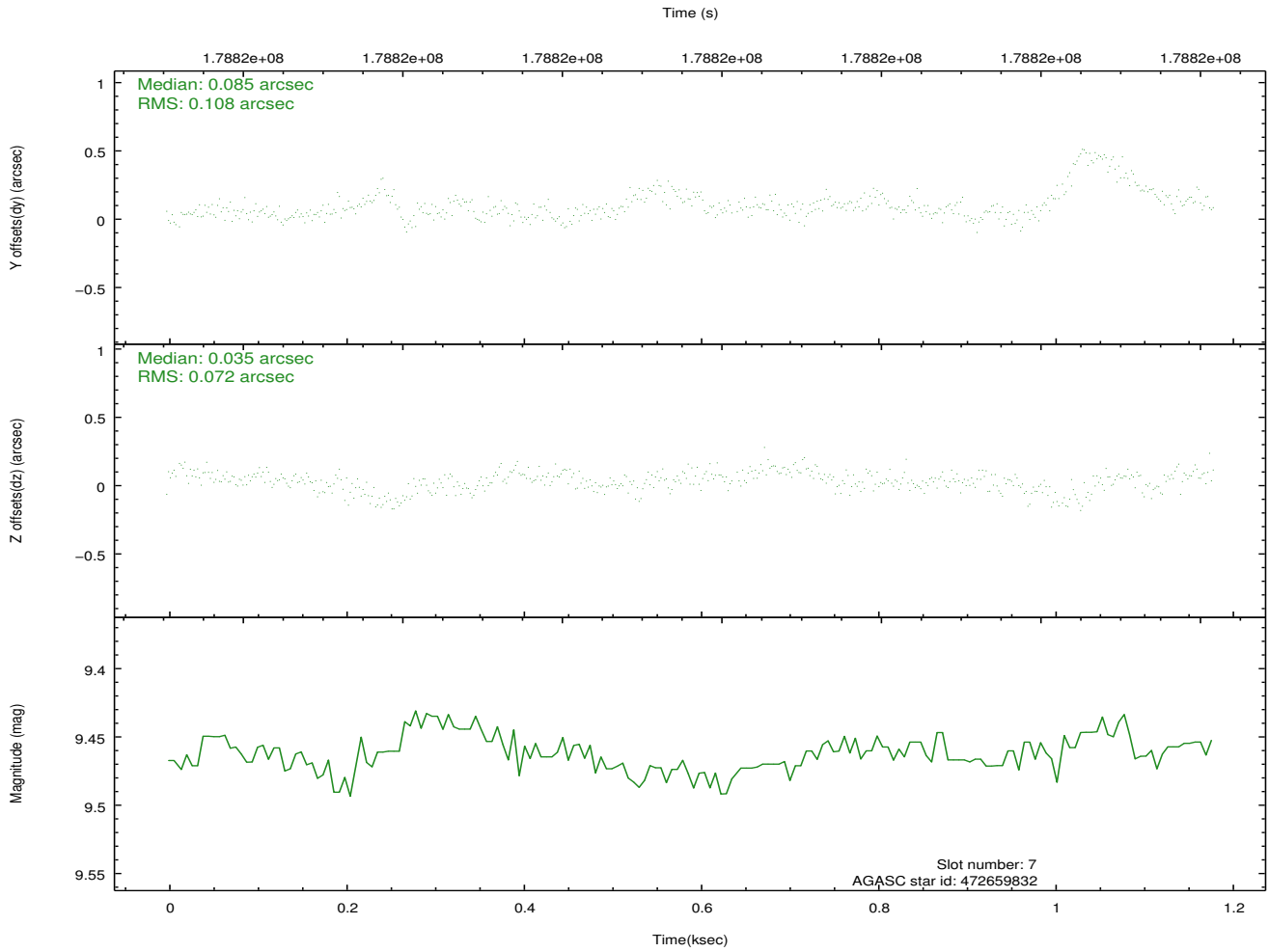
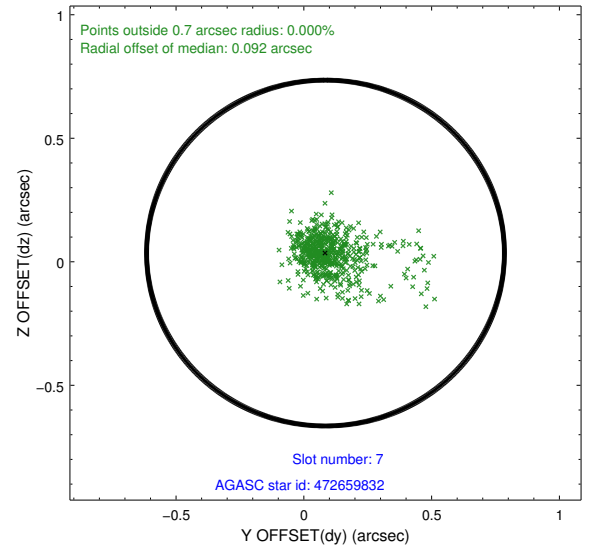
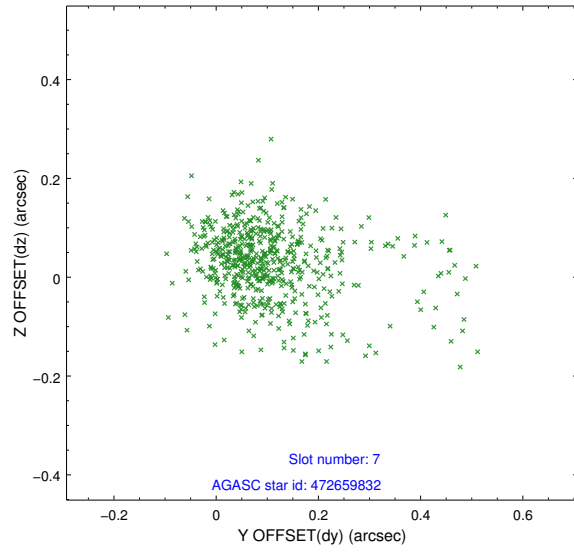
### 2.4.3 Slot 5



## 2.4.4 Slot 6

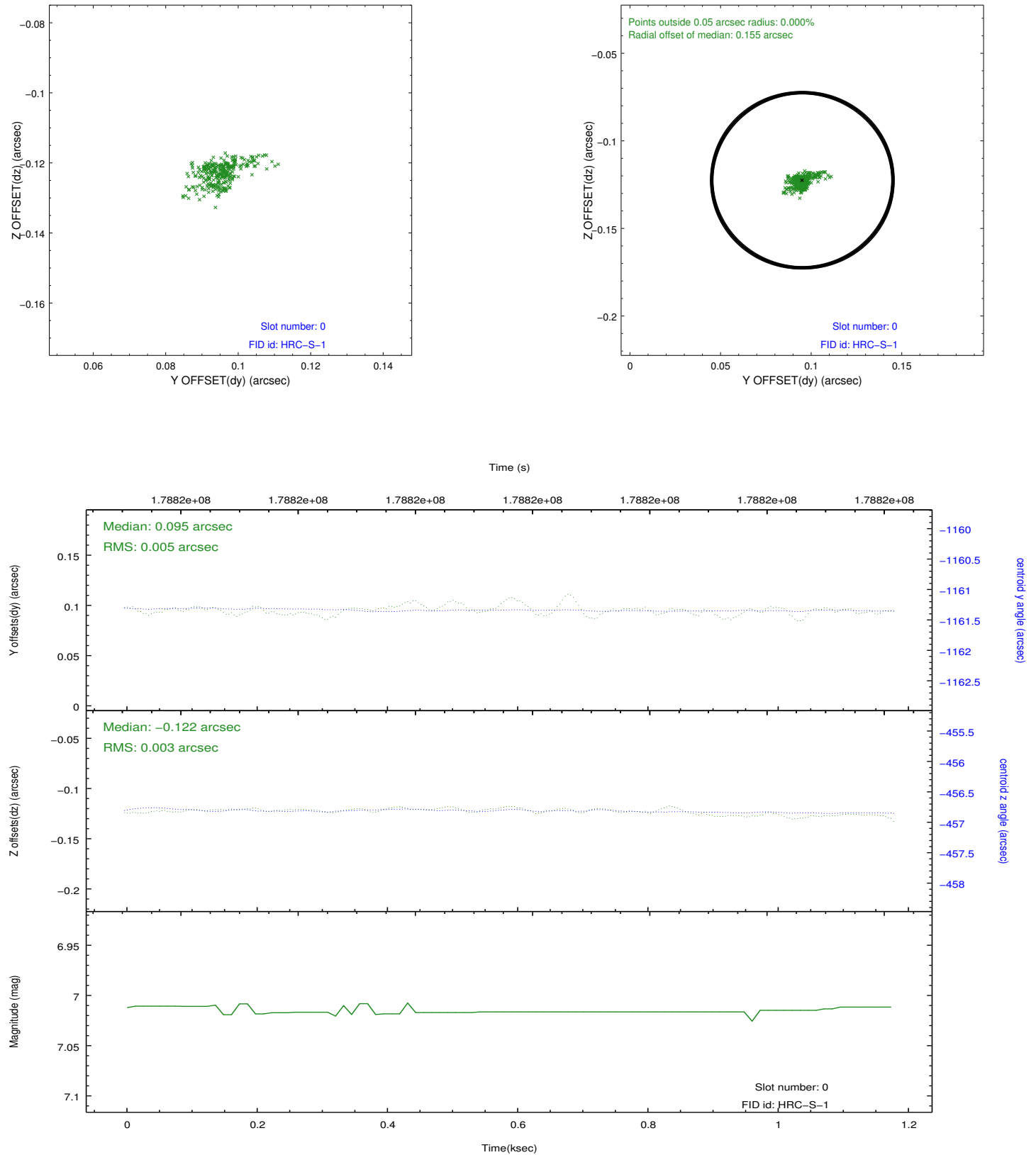


## 2.4.5 Slot 7

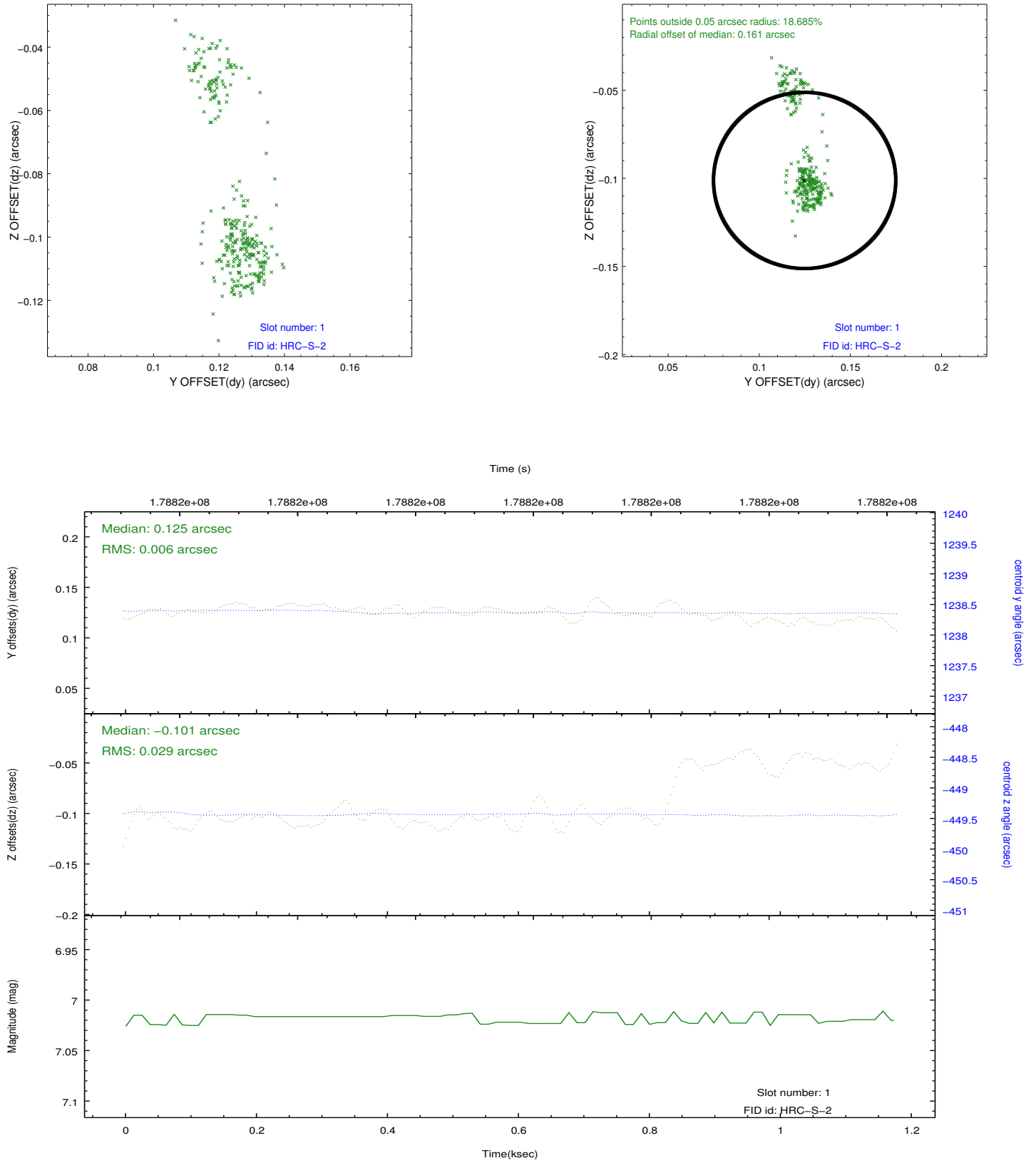


## 2.5 FID Slots

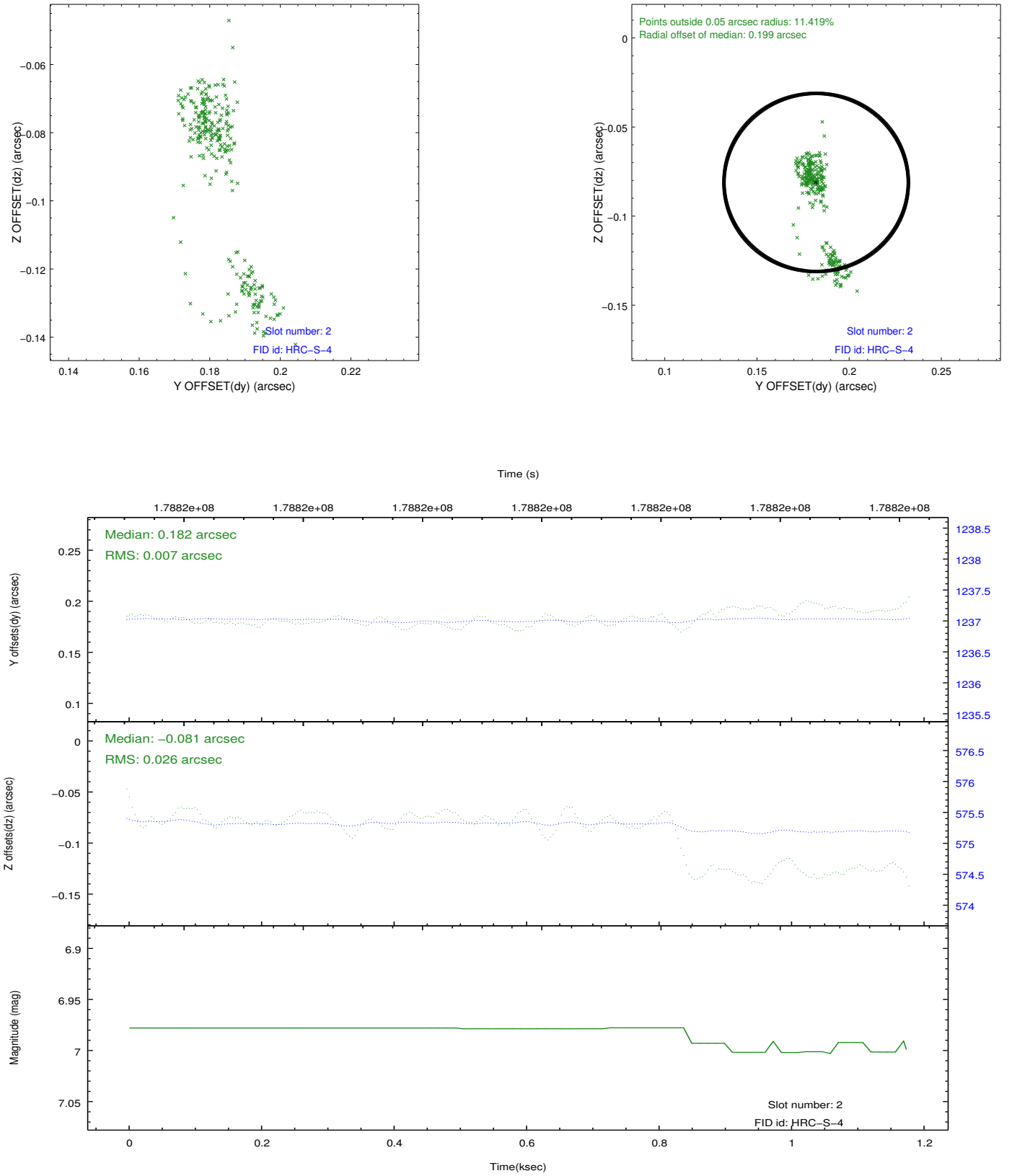
### 2.5.1 Slot 0



## 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)	2012.11.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.141

### A.2 Comments