

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2635 - L2 Version 3  
Chandra X-Ray Center

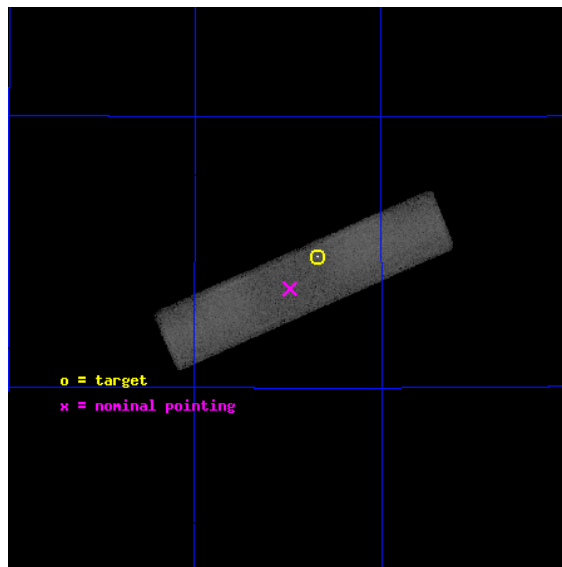
L2 Processing Date : Oct 1 2012

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# 1 Front

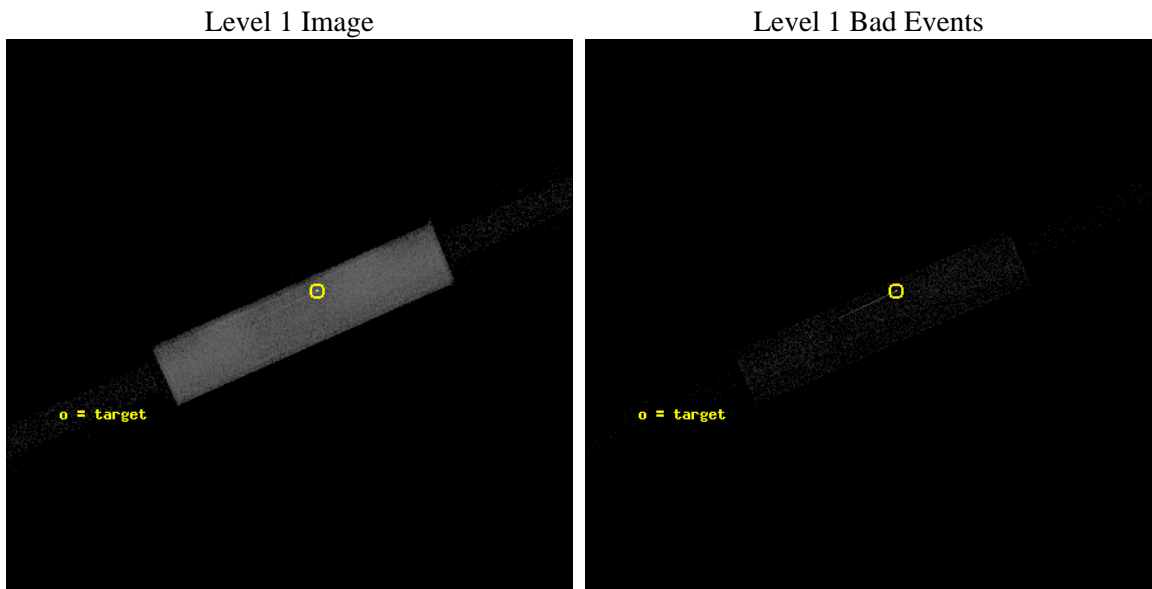
seq_num	290191	Sequence number
obs_id	2635	Observation id
title	AO3A HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC	Proposal ti
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.24444172429	Nominal RA [deg]
dec_nom	45.682854547405	Nominal Dec [deg]
roll_nom	336.25910593373	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1142.1062960327	[s]
livetime	1120.5053061025	Ontime multiplied by DTCOR
l2events	119308	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	1142.1062960327	[s]
caldbver	4.5.2	&#160	l1events	159370	Number of level 1 events
date	2012-10-01T03:03:08	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

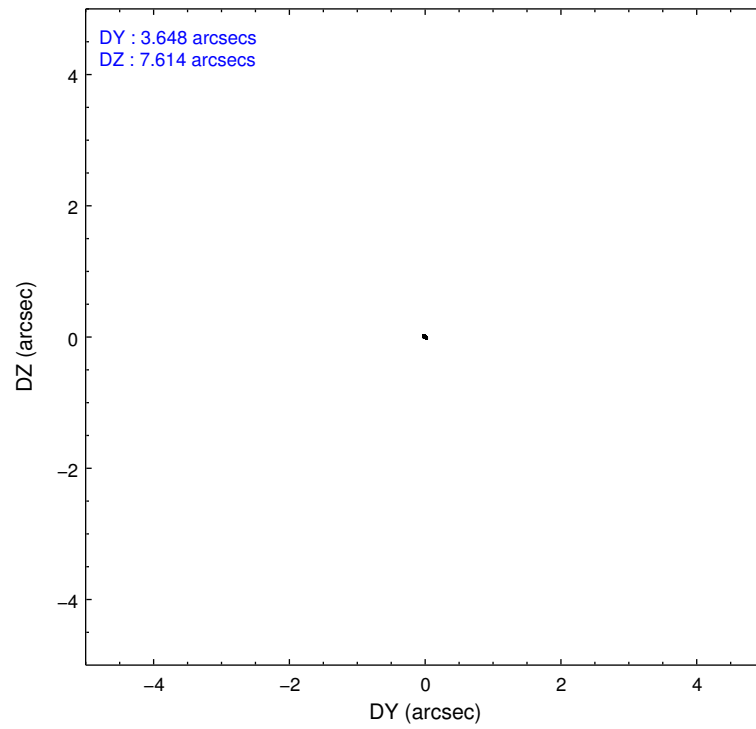
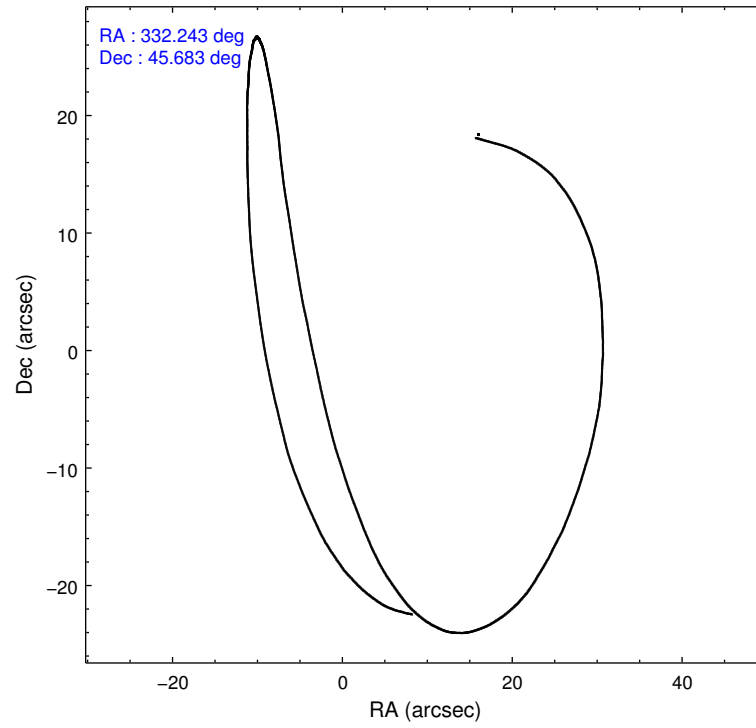
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	2058	155469	1843
rejected events	2058	25383	1843
rejected %	100%	16%	100%

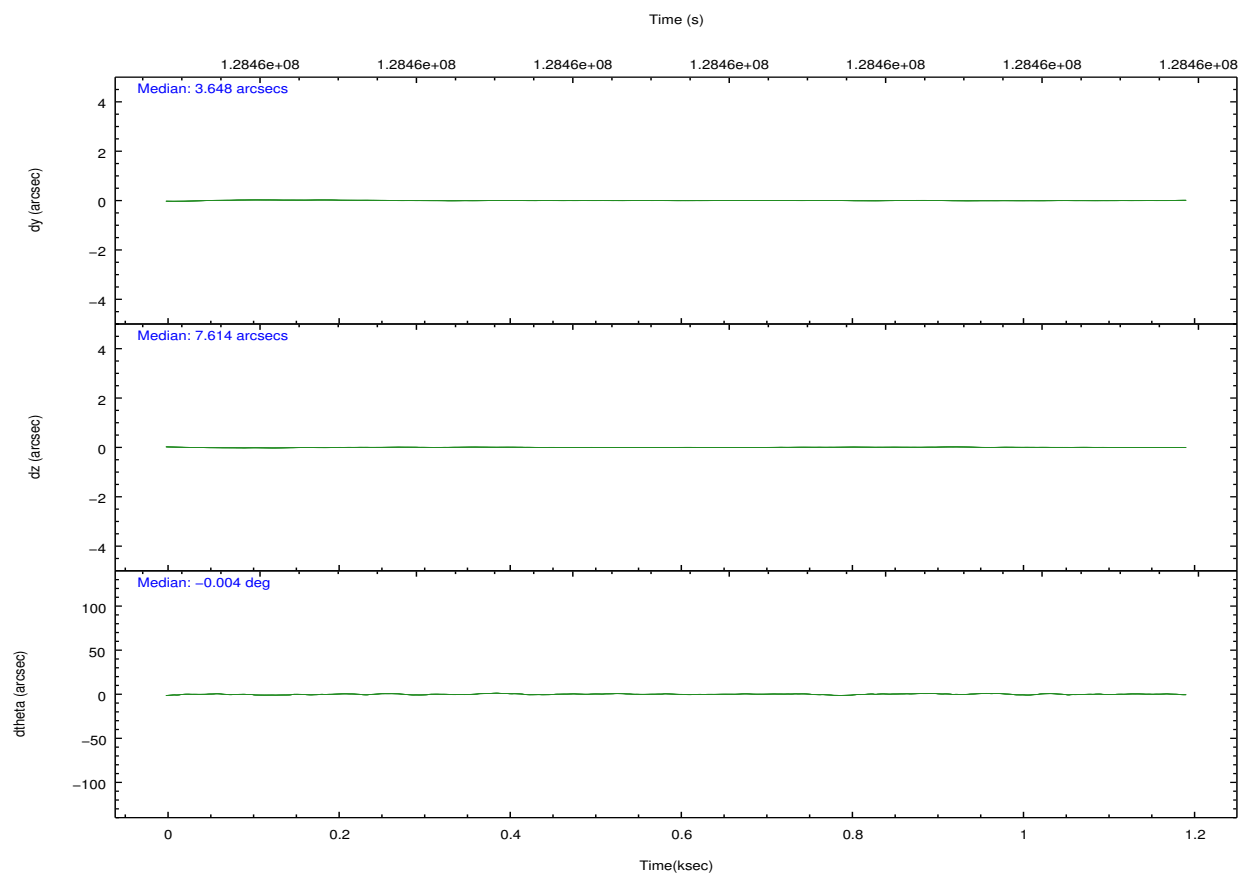
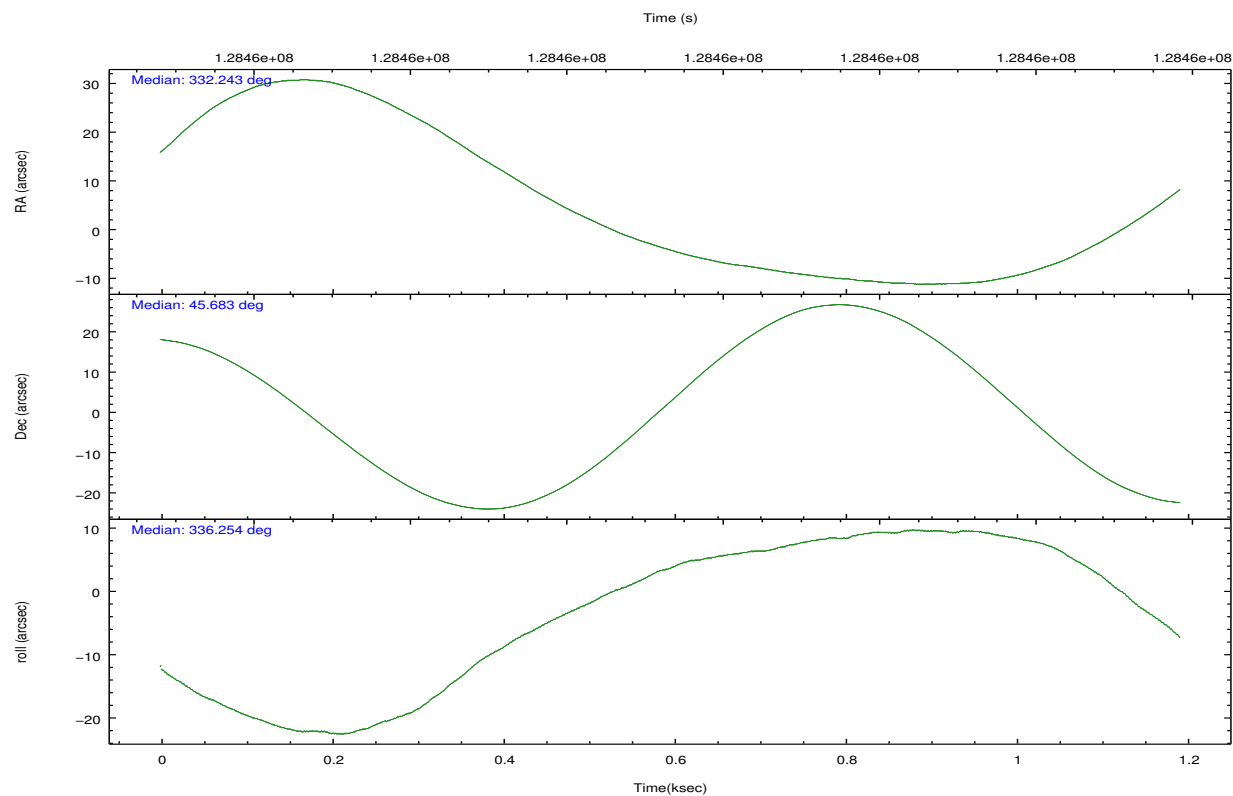
## 2.2 Compared Parameters

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	332.203755	332.2444417242921
[deg] Pointing Dec	45.678384	45.68285454740507
[deg] Pointing Roll	336.220887	336.2591059337305
[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)	128457127.184000	128456750.9764
Observation start date	2002-01-26T18:31:03	2002-01-26T18:25:50
[s] Observation end time (MET)	128458127.184000	128458261.31396
Observation end date	2002-01-26T18:47:43	2002-01-26T18:51:01

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

## 2.3 Aspect





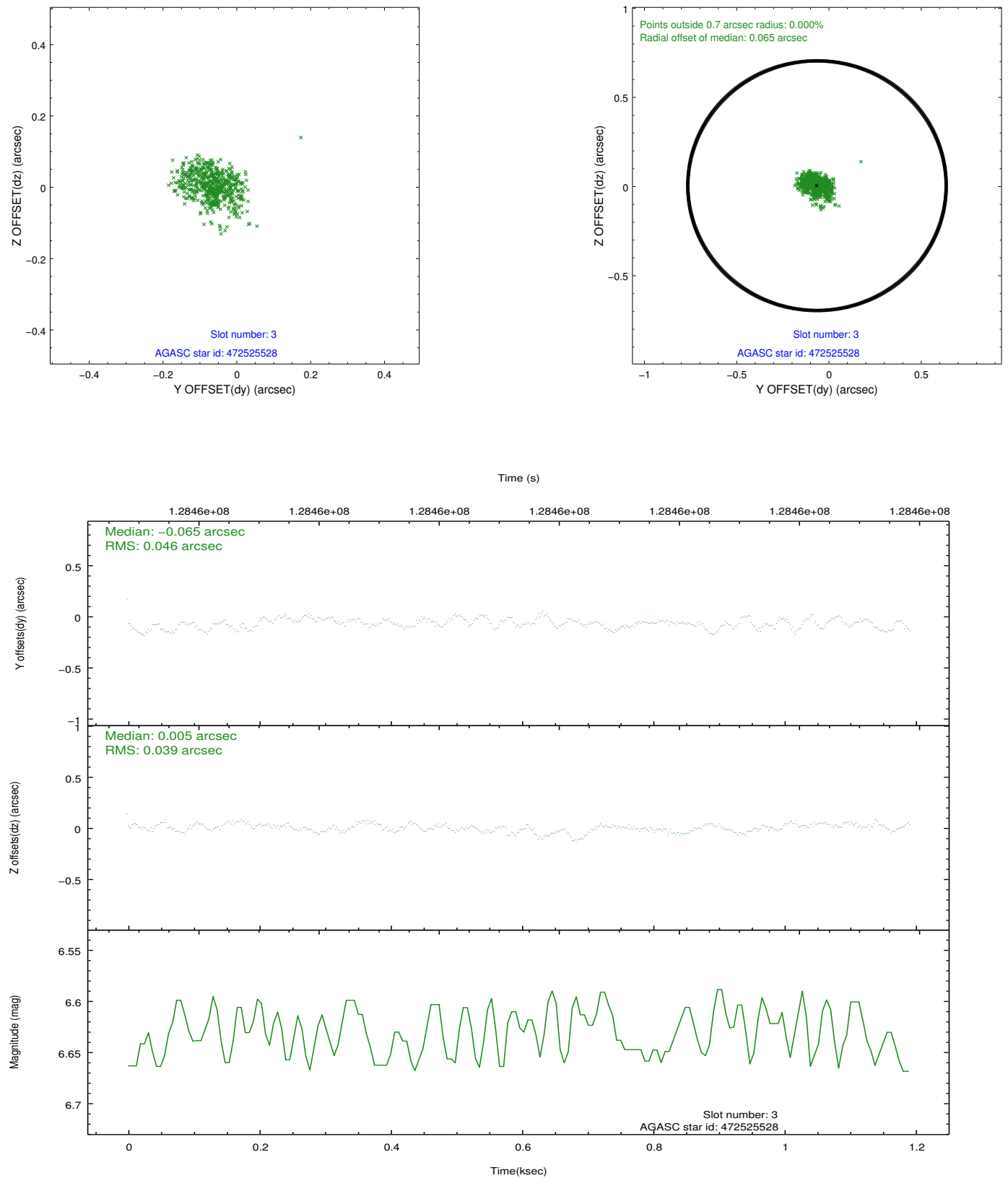
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	291	0.156	-0.086	0.008	0.017	0.000000	0.000000	-1157.68	-456.16
1	FID	HRC-S-2	6.98	291	0.076	-0.088	0.004	0.009	0.000000	0.000000	1237.94	-450.34
2	FID	HRC-S-3	7.01	291	0.159	-0.128	0.008	0.017	0.000000	0.000000	-1156.15	571.78
3	GUIDE	472525528	6.63	583	-0.065	0.005	0.065	0.102	331.551102	45.248694	-893.73	-2077.16
4	GUIDE	472523760	8.23	583	-0.076	-0.078	0.070	0.103	331.645363	45.403260	-896.81	-1475.39
5	GUIDE	472665256	9.01	583	-0.111	-0.045	0.091	0.135	332.808125	46.195041	622.94	2311.37
6	GUIDE	472659832	9.47	580	0.037	0.084	0.113	0.193	332.780399	46.098139	705.63	1971.52
7	GUIDE	472646552	9.64	582	0.210	0.050	0.121	0.191	333.120915	45.571877	2264.54	596.14

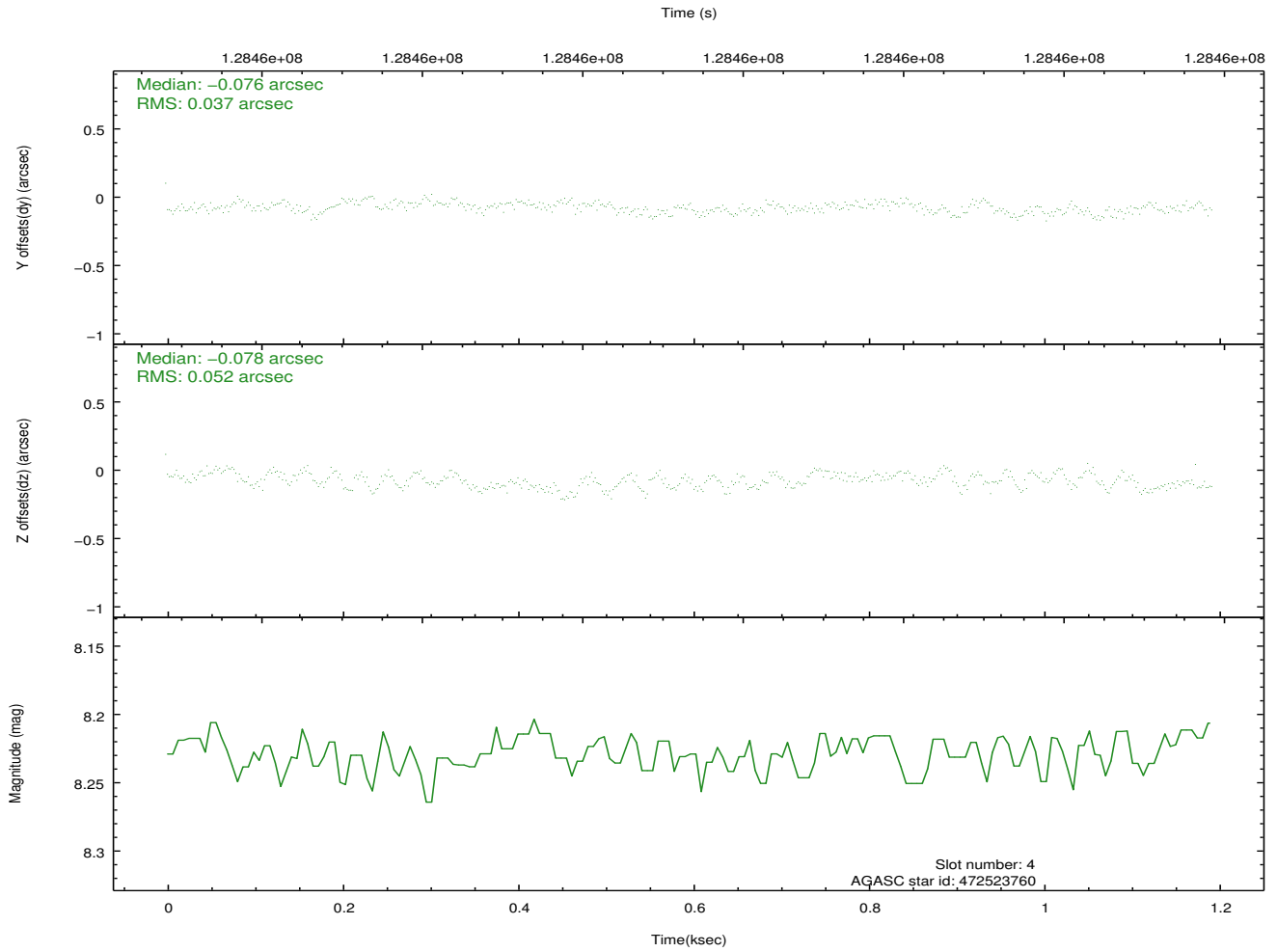
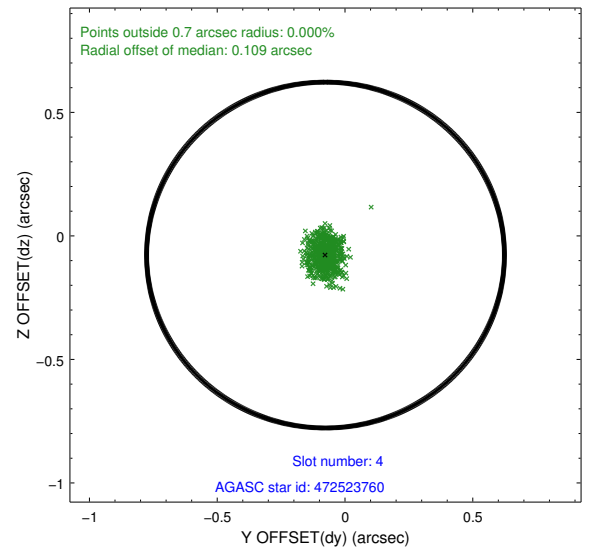
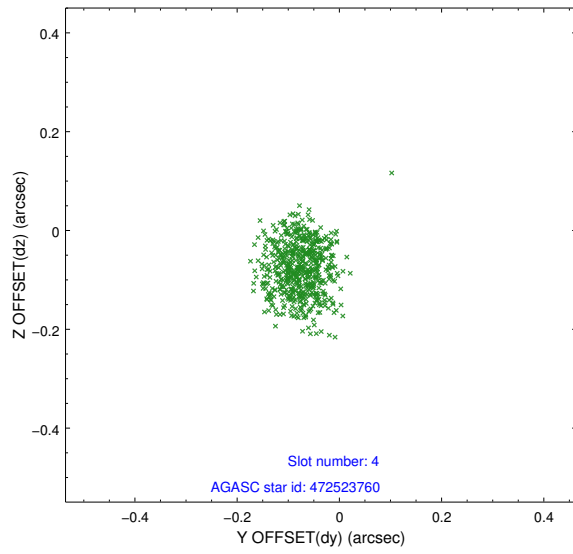


## 2.4 Star Slots

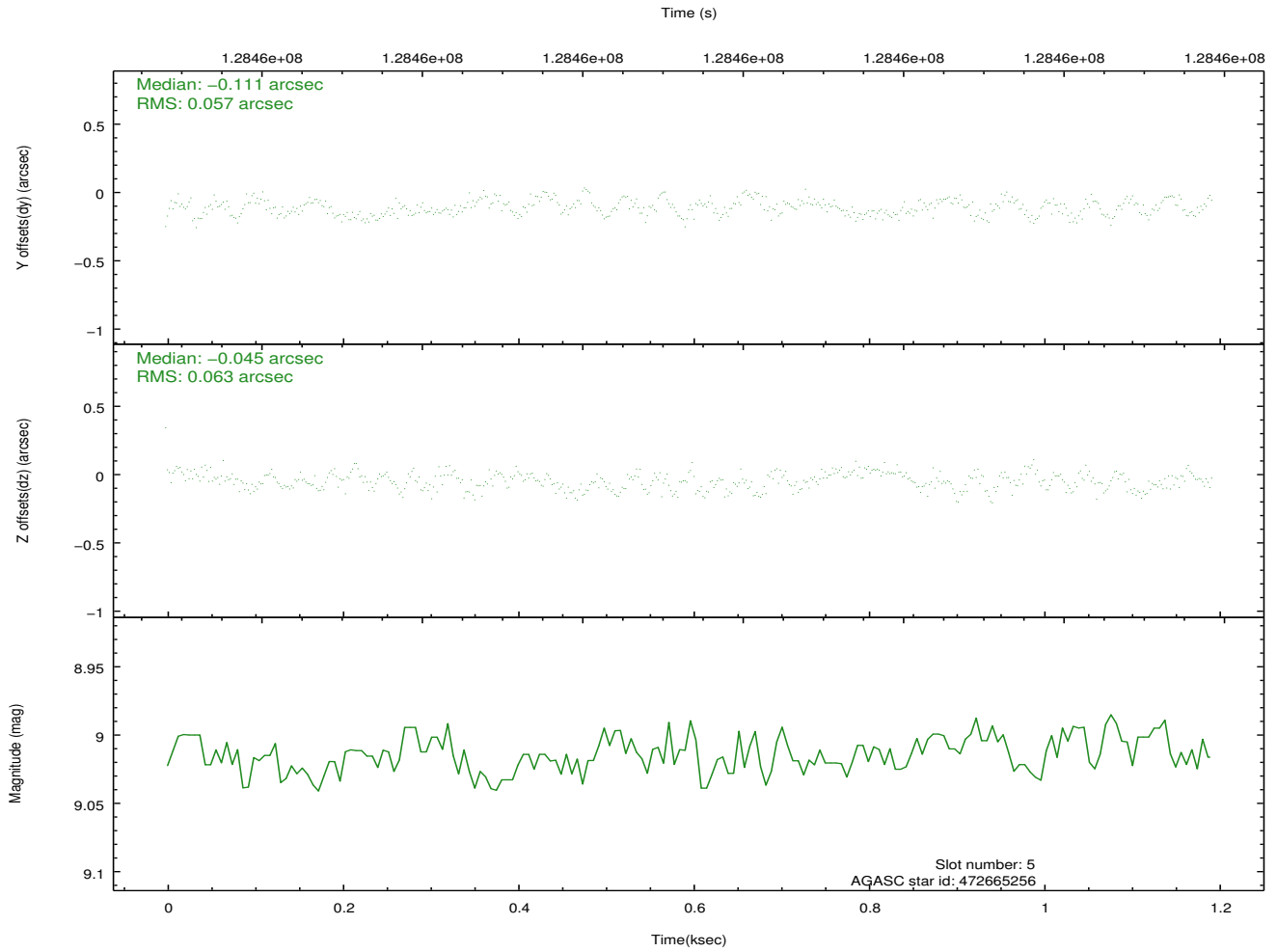
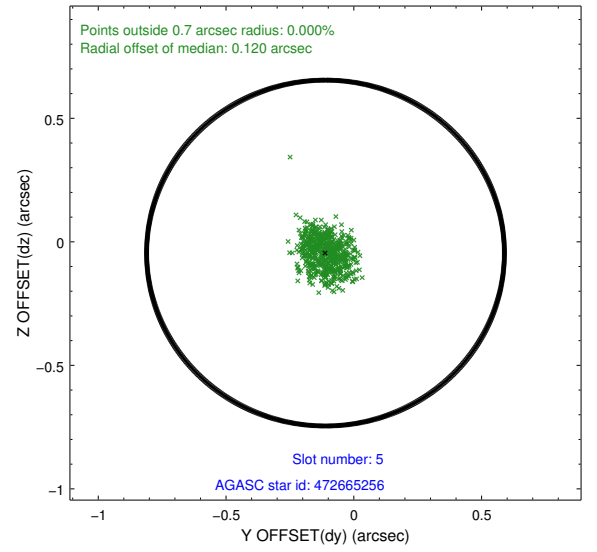
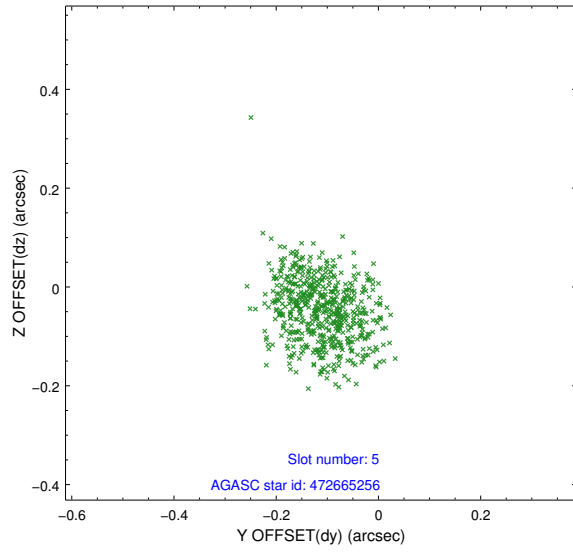
### 2.4.1 Slot 3



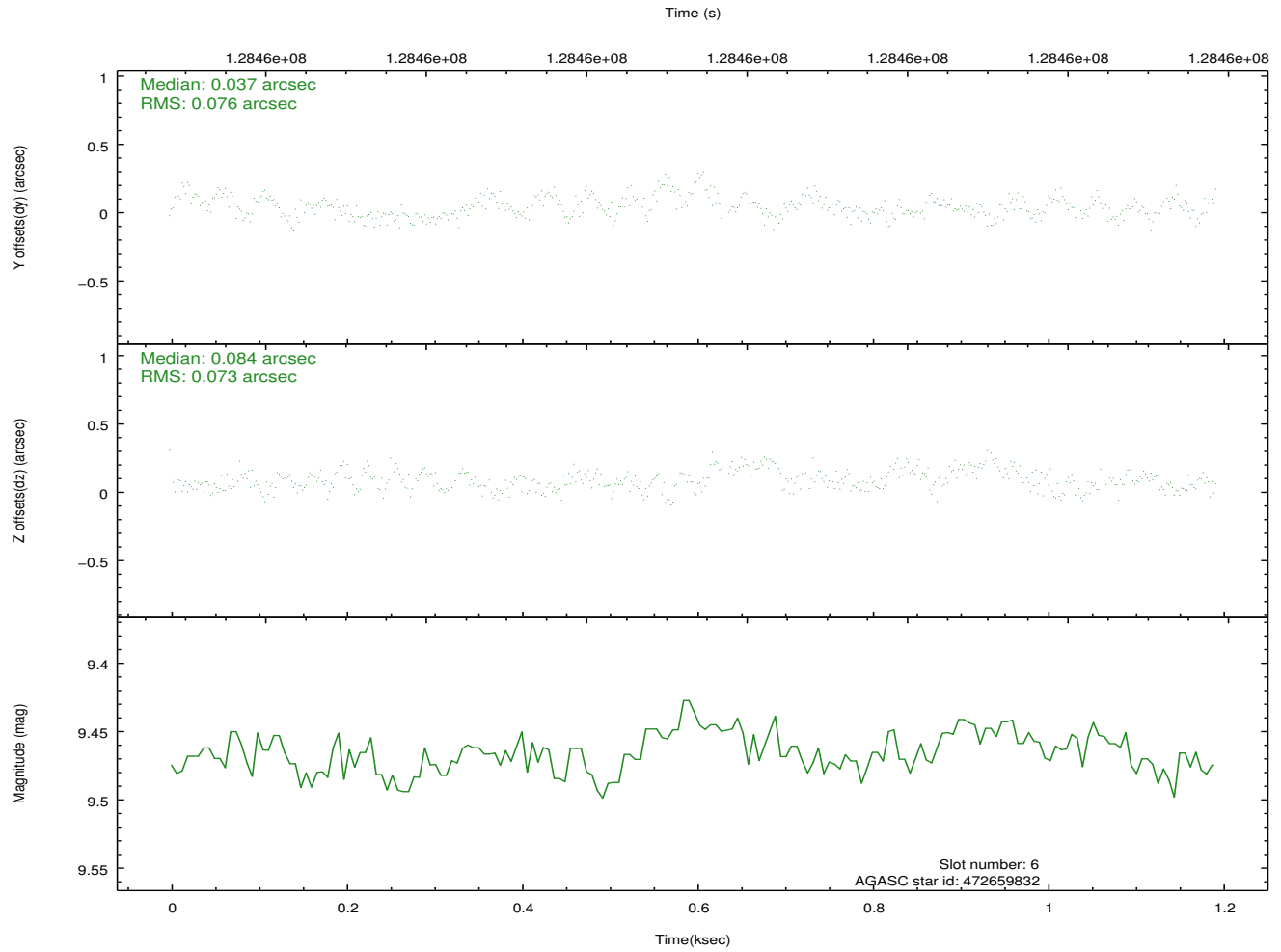
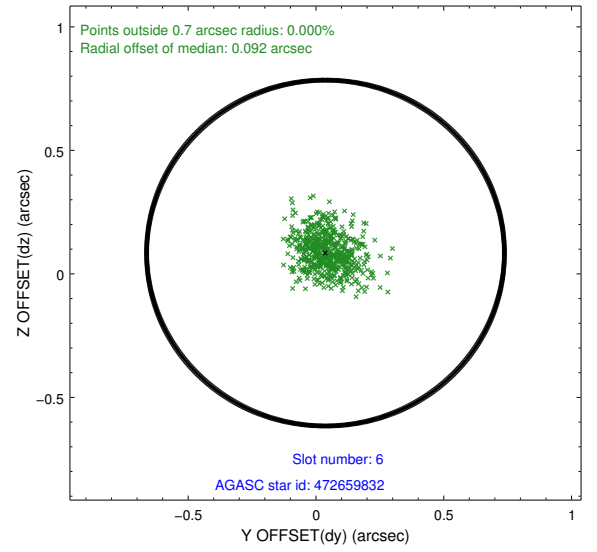
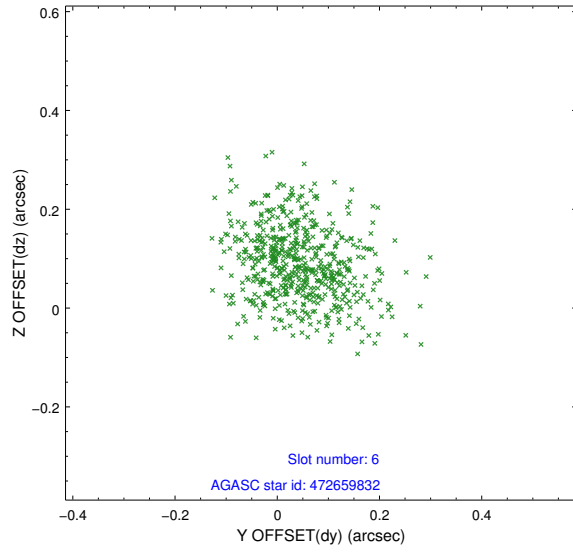
## 2.4.2 Slot 4



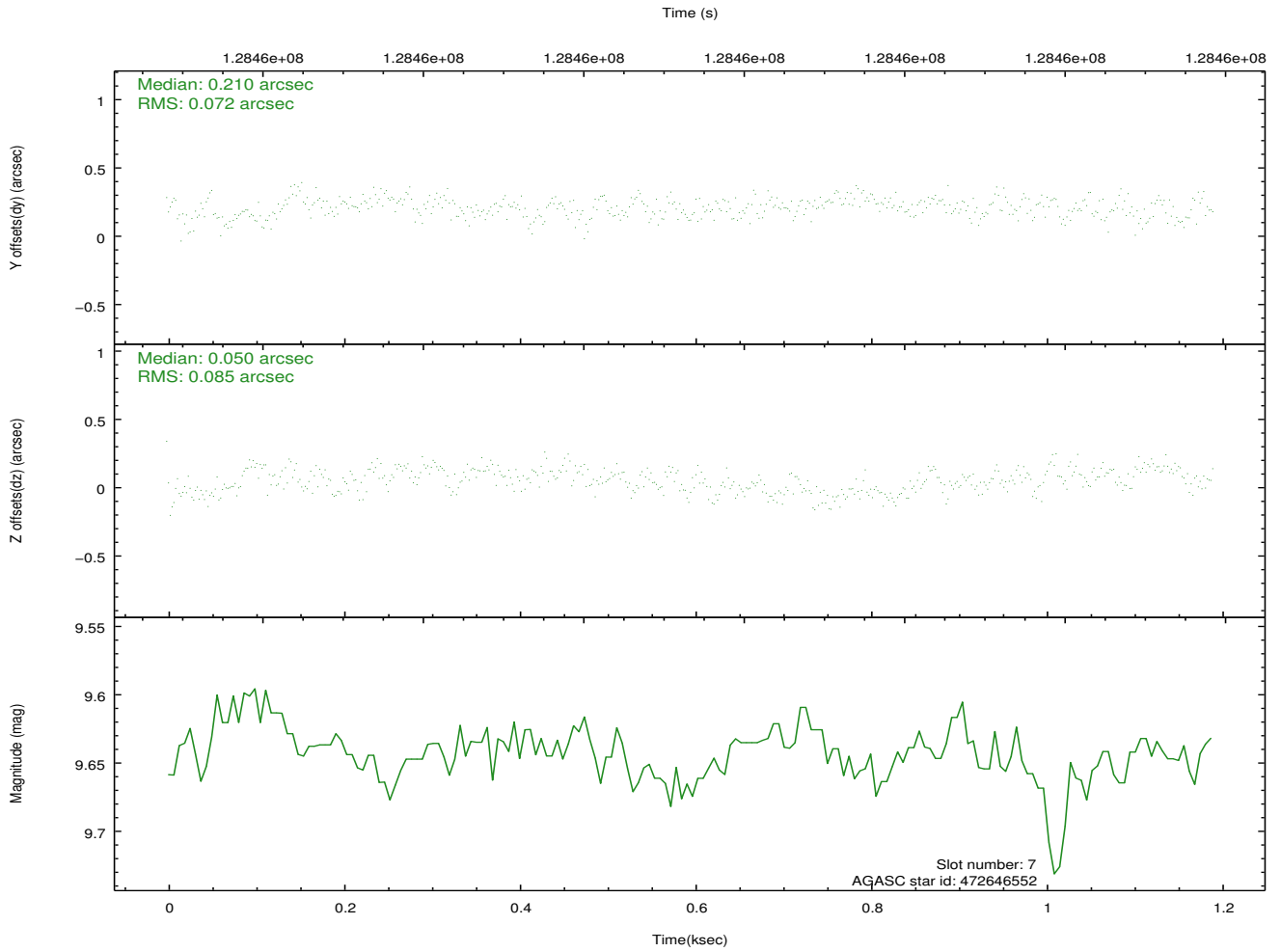
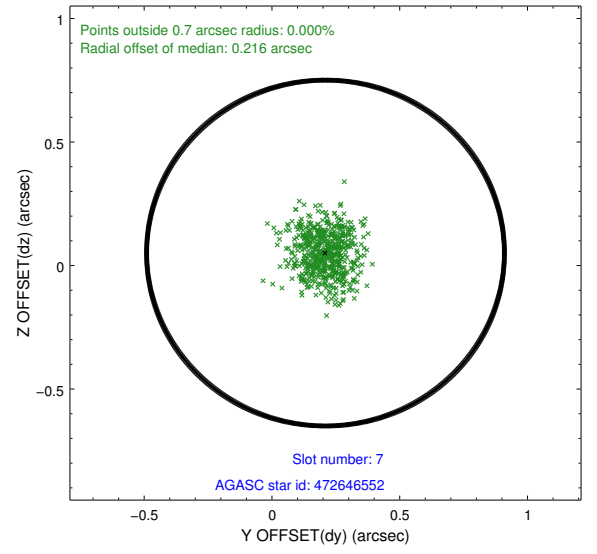
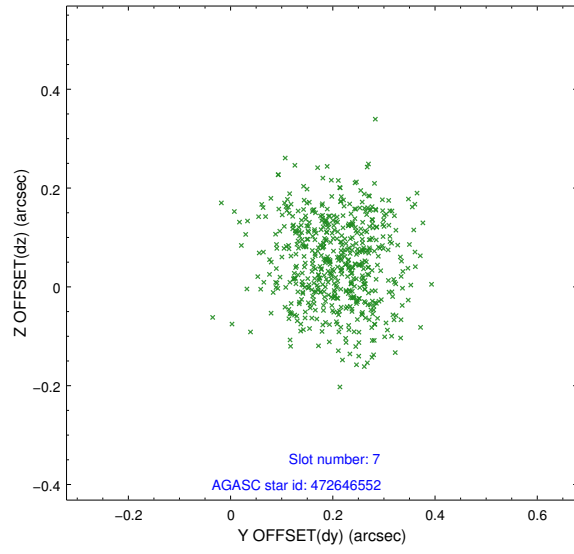
### 2.4.3 Slot 5



## 2.4.4 Slot 6

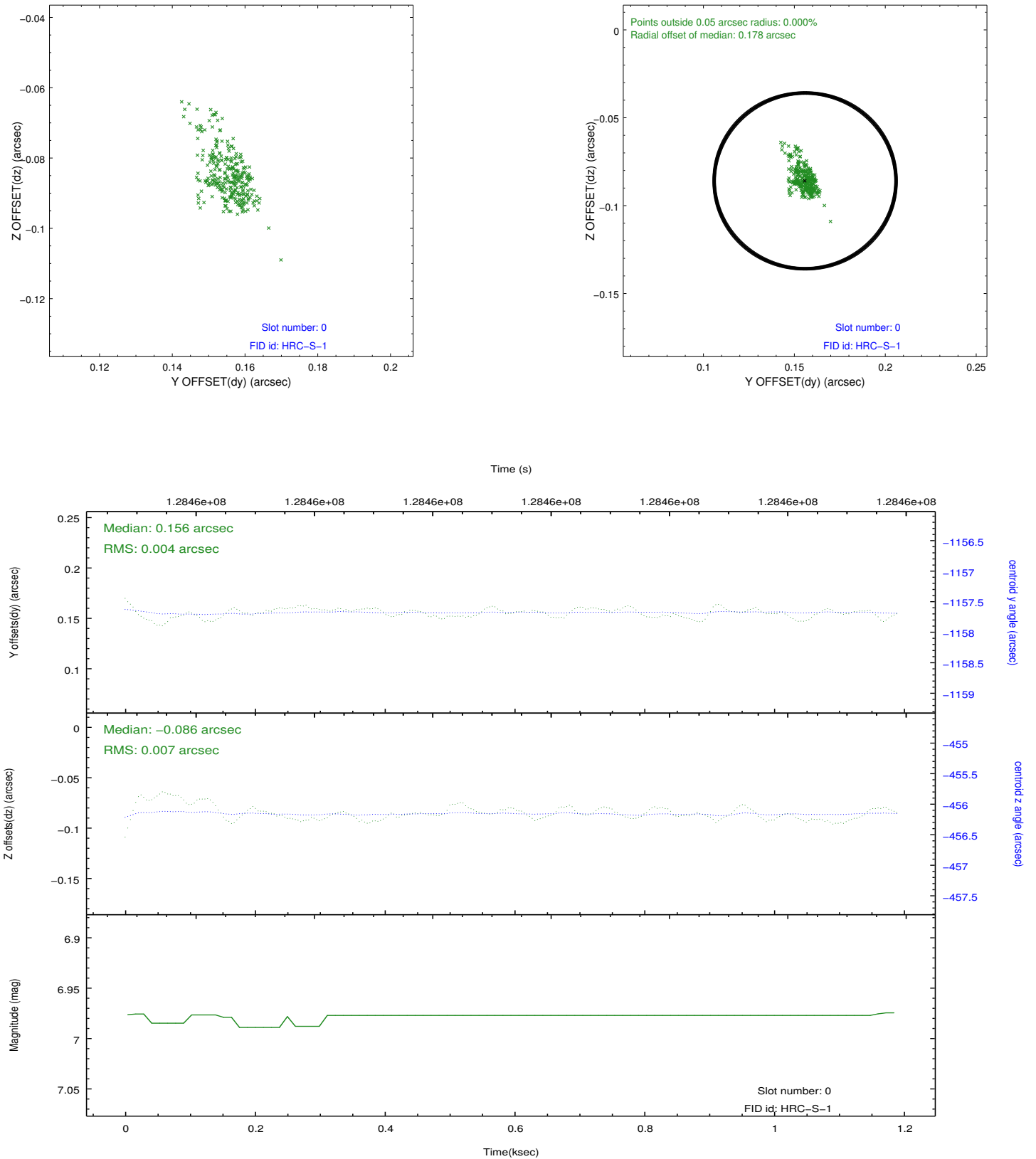


## 2.4.5 Slot 7

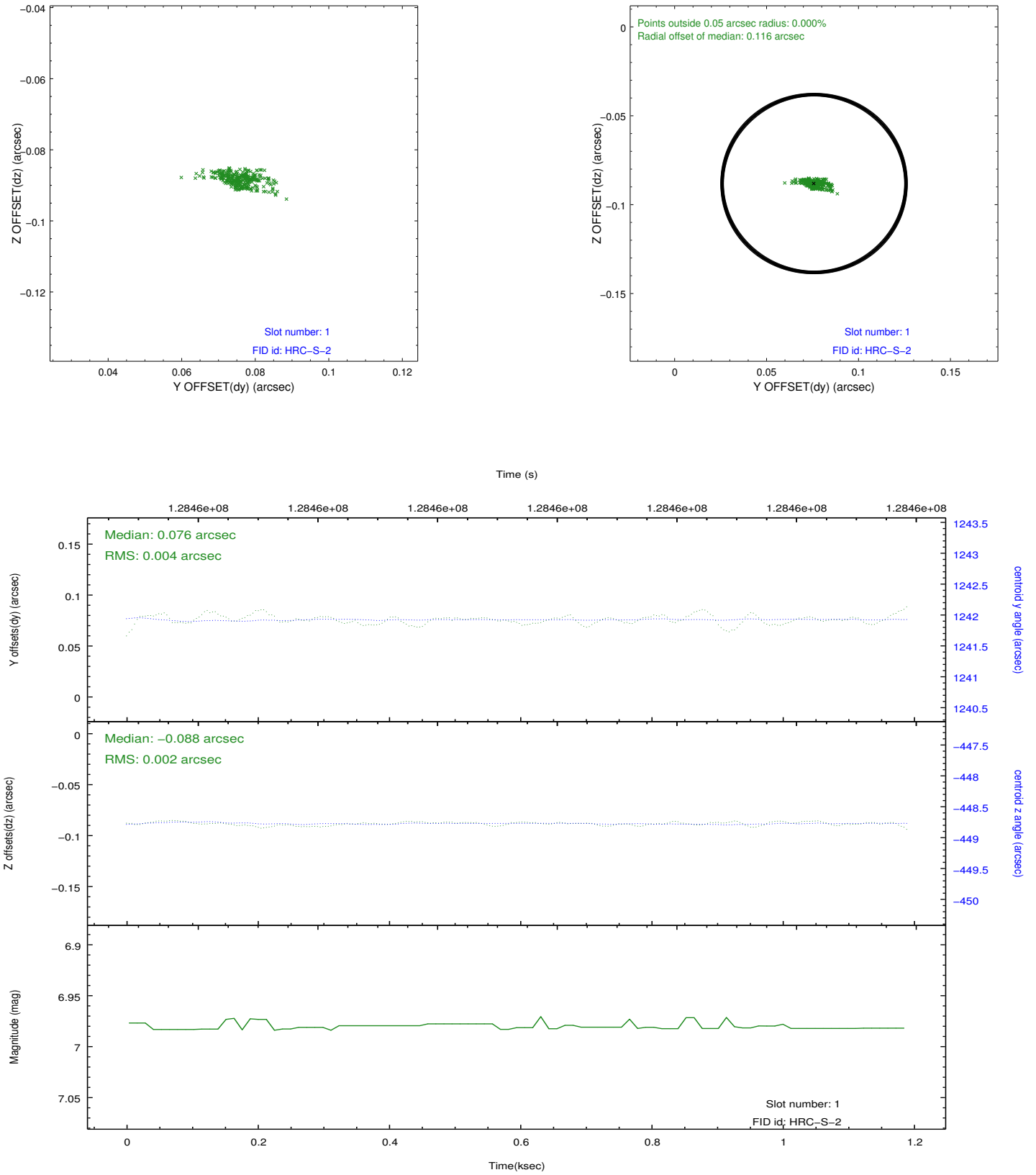


## 2.5 FID Slots

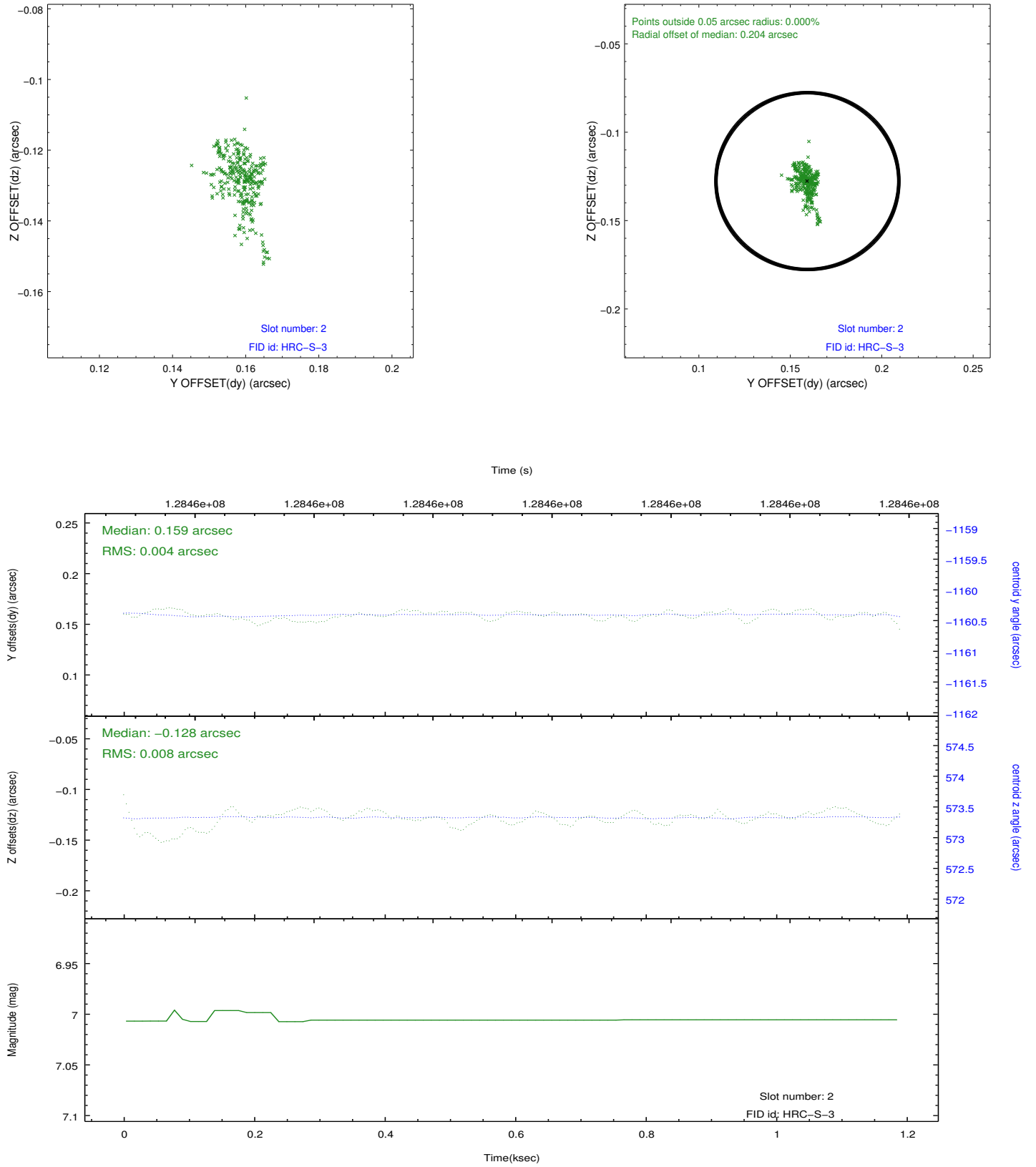
### 2.5.1 Slot 0



## 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	1.185

## A.2 Comments

Charge time for this ObsId remains at previous value of 1.185 ks although with the current processing the charge time would have been 1.14 ksec.