

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8291 - L2 Version 3  
Chandra X-Ray Center

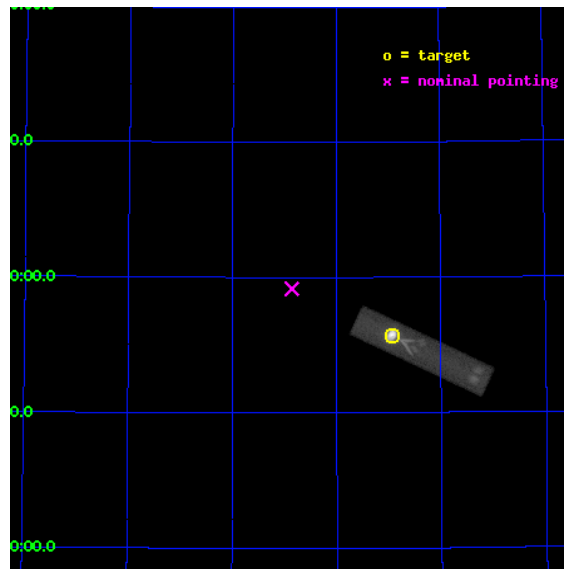
L2 Processing Date : Aug 11 2012

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# 1 Front

seq_num	290670	Sequence number
obs_id	8291	Observation id
title	AO8 Measurements of the optical/UV Transmission of the HRC Filters.	&#160
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.71441687853	Nominal RA [deg]
dec_nom	38.958068222086	Nominal Dec [deg]
roll_nom	204.92892697216	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2190.6813550591	[s]
livetime	799.90931921207	Ontime multiplied by DTCOR
l2events	387612	Number of level 2 events

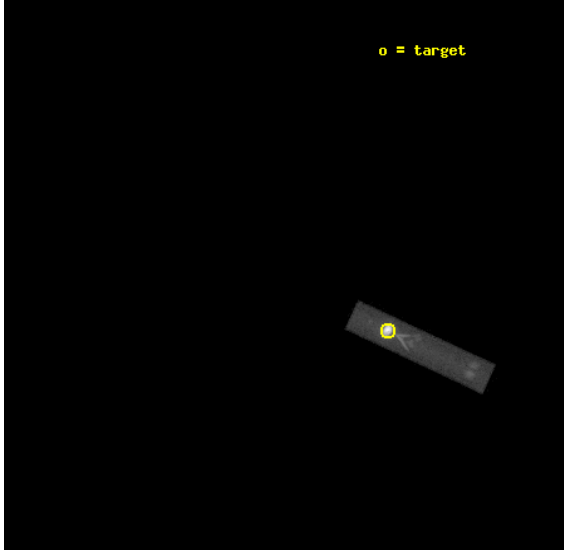


## 2 OBI

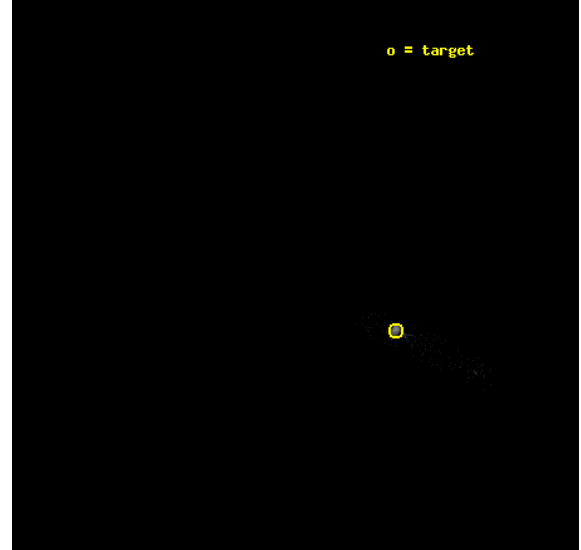
### 2.1 OBI

#### 2.1.1 Images

Level 1 Image



Level 1 Bad Events



### 2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2190.6813550591	[s]
caldbver	4.5.1.1	&#160	l1events	439322	Number of level 1 events
date	2012-08-11T22:38:00	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

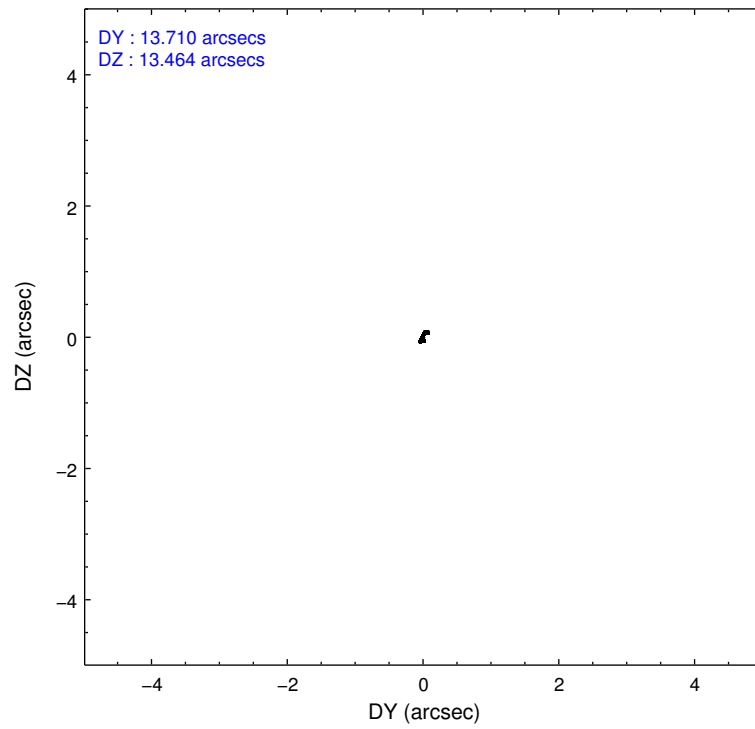
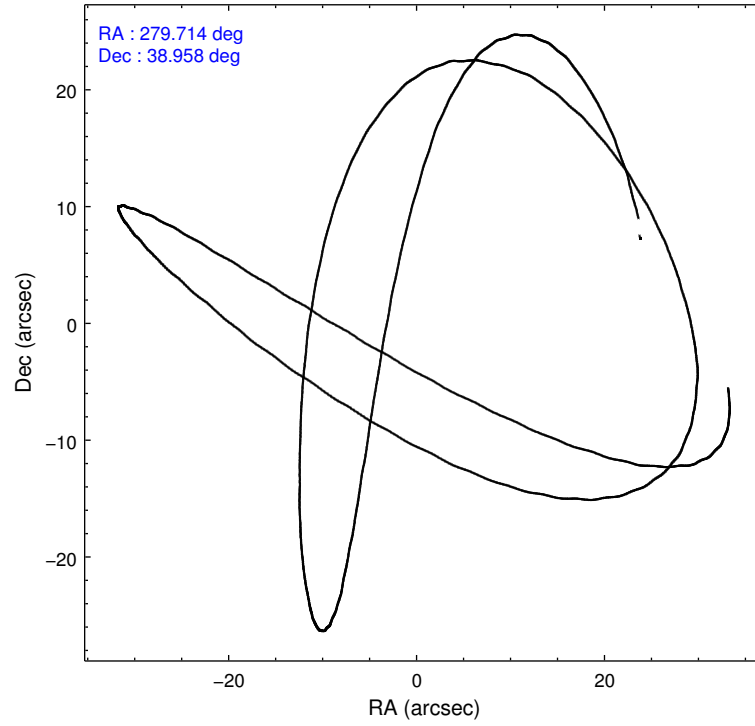
Level 1 Events

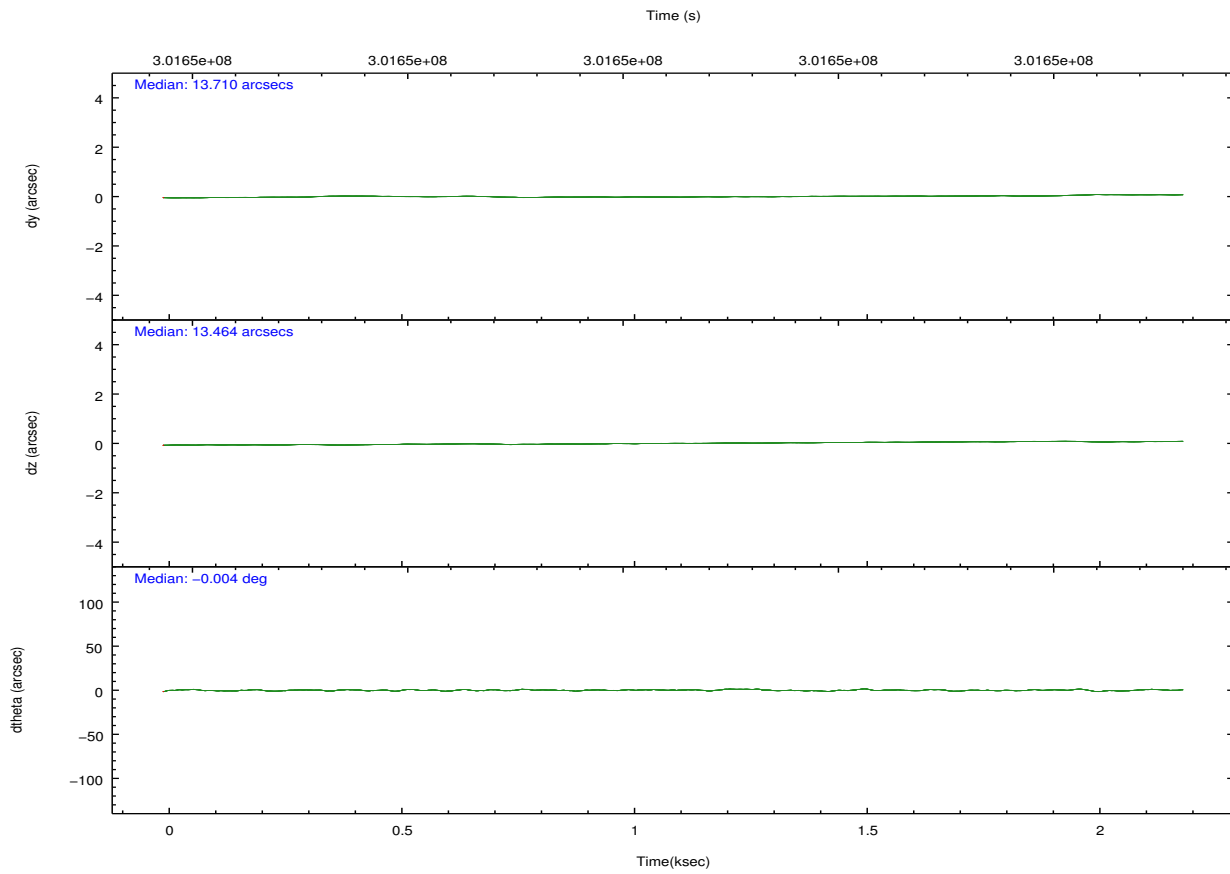
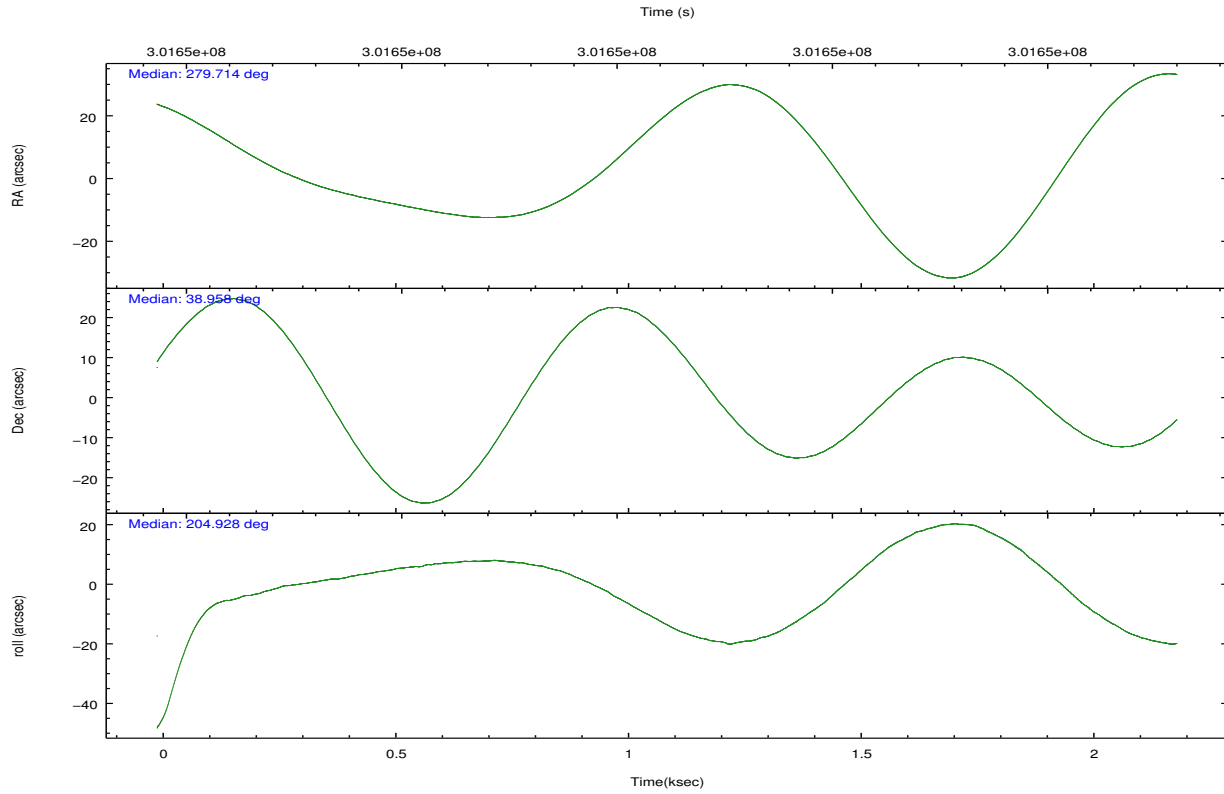
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	0	26	439296
rejected events	0	2	35382
rejected %	0%	7%	8%

## 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	279.734095	279.7144168785292			
[deg] Pointing Dec	38.982279	38.95806822208594			
[deg] Pointing Roll	204.849404	204.9289269721556			
[s] Window start time (MET)	297043265.184000	297043265.184000			
[s] Window stop time (MET)	304905665.184000	304905665.184000			
[mm] SIM focus pos	-1.533336	-1.526339935833849			
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	301650706.184000	301650329.10884			
Observation start date	2007-07-24T07:50:41	2007-07-24T07:45:29			
[s] Observation end time (MET)	301652706.184000	301652877.25896			
Observation end date	2007-07-24T08:24:01	2007-07-24T08:27:57			

## 2.3 Aspect



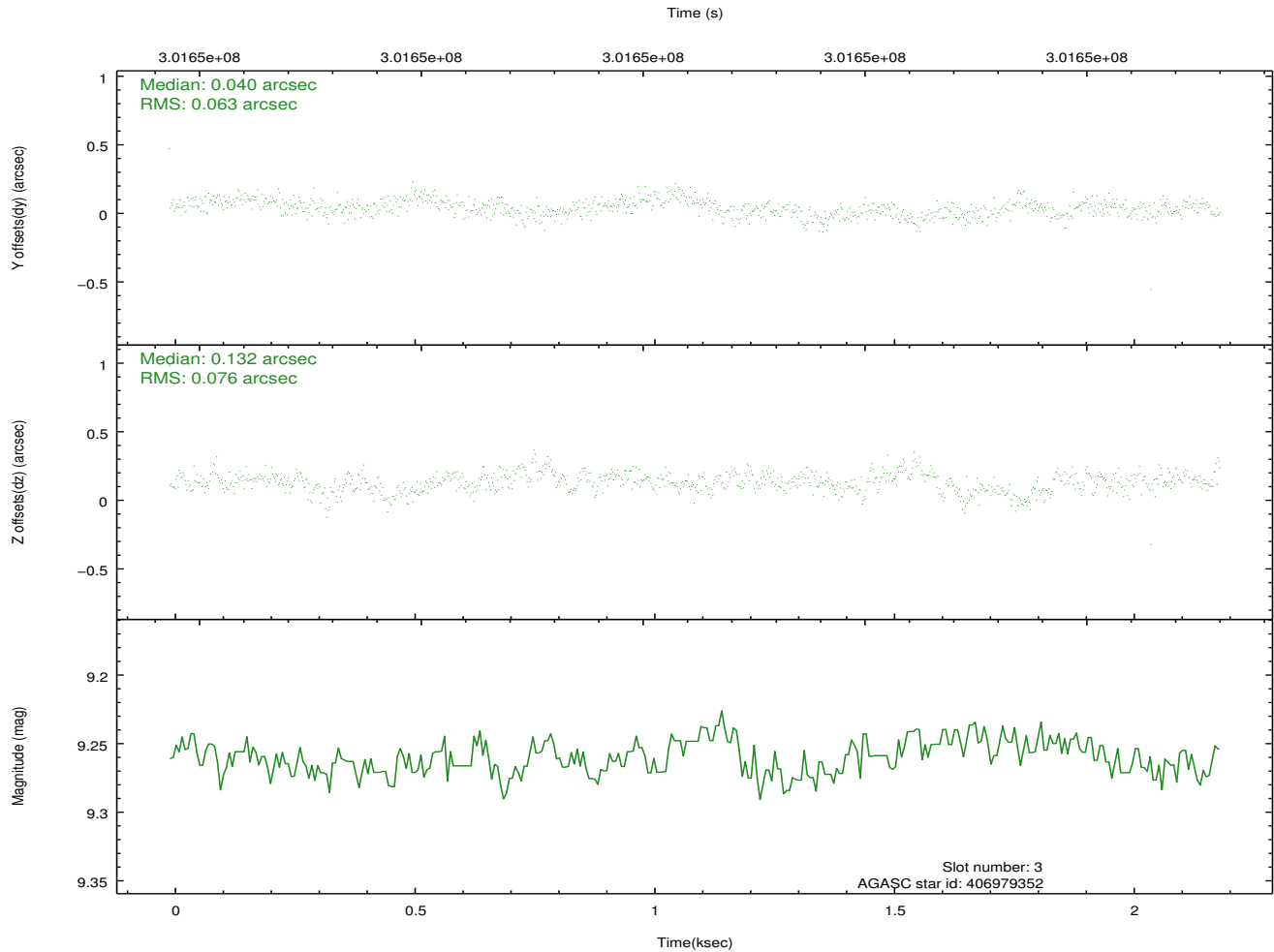
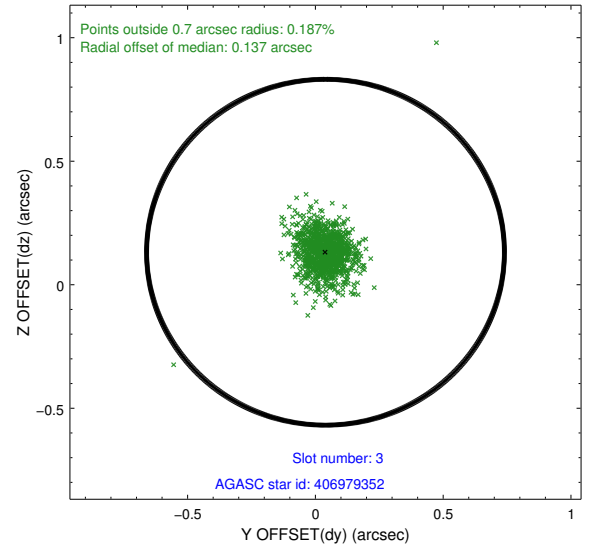
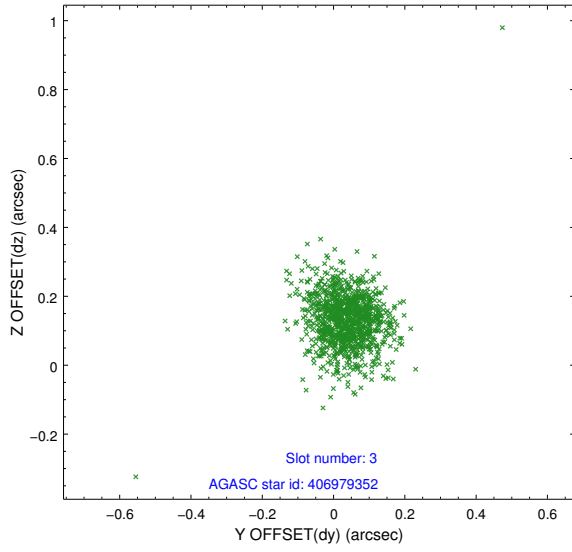


### Slot Statistics

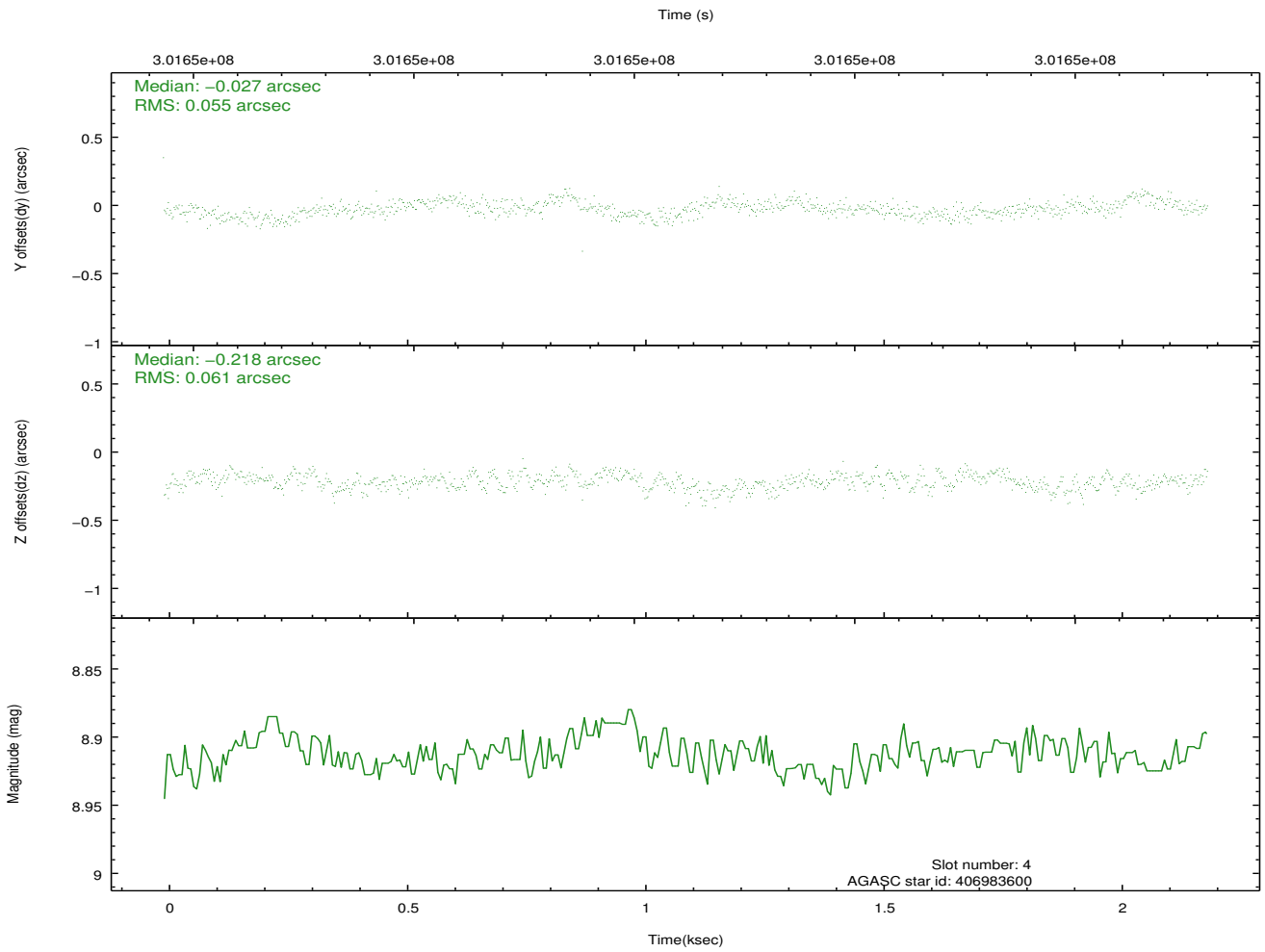
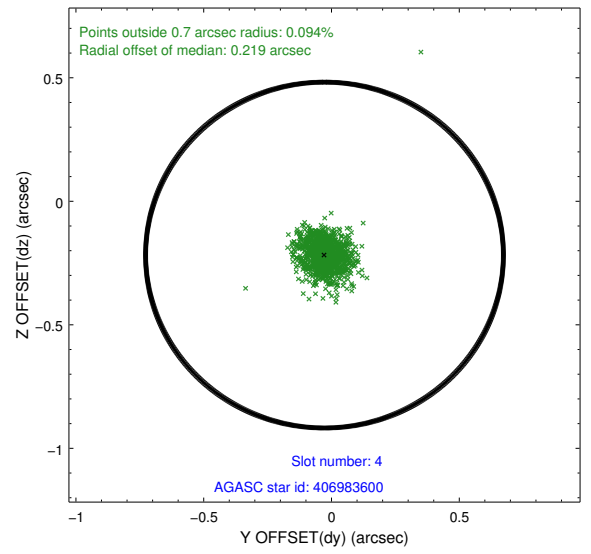
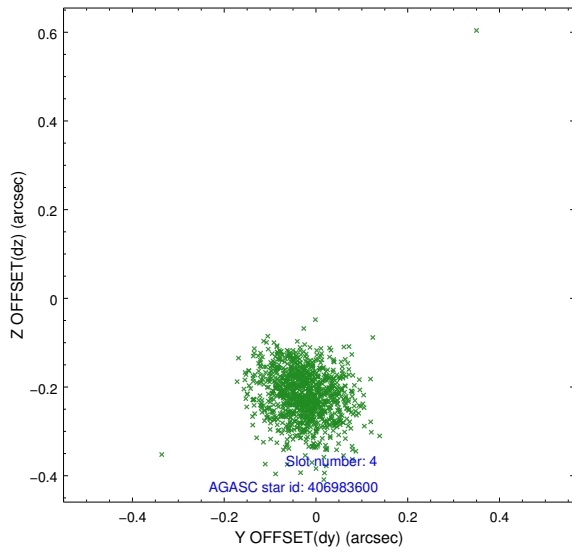
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	535	0.108	-0.169	0.009	0.014	0.000000	0.000000	-1168.04	-462.29
1	FID	HRC-S-2	7.00	535	0.167	-0.107	0.005	0.010	0.000000	0.000000	1229.49	-455.72
2	FID	HRC-S-3	7.01	535	0.114	-0.026	0.008	0.013	0.000000	0.000000	-1168.47	566.53
3	GUIDE	406979352	9.26	1069	0.040	0.132	0.093	0.166	279.968297	39.230258	-967.11	-534.60
4	GUIDE	406983600	8.91	1069	-0.027	-0.218	0.083	0.131	279.940957	39.020708	-584.08	117.68
5	GUIDE	407513096	8.14	1070	-0.053	0.078	0.066	0.106	279.928965	39.436841	-1179.52	-1257.06
6	GUIDE	407521232	8.63	1069	0.045	-0.013	0.078	0.125	279.628883	39.431715	-414.90	-1591.93
7	GUIDE	406985120	7.45	1069	-0.002	0.026	0.081	0.134	278.839732	38.894839	2401.23	-779.45

## 2.4 Star Slots

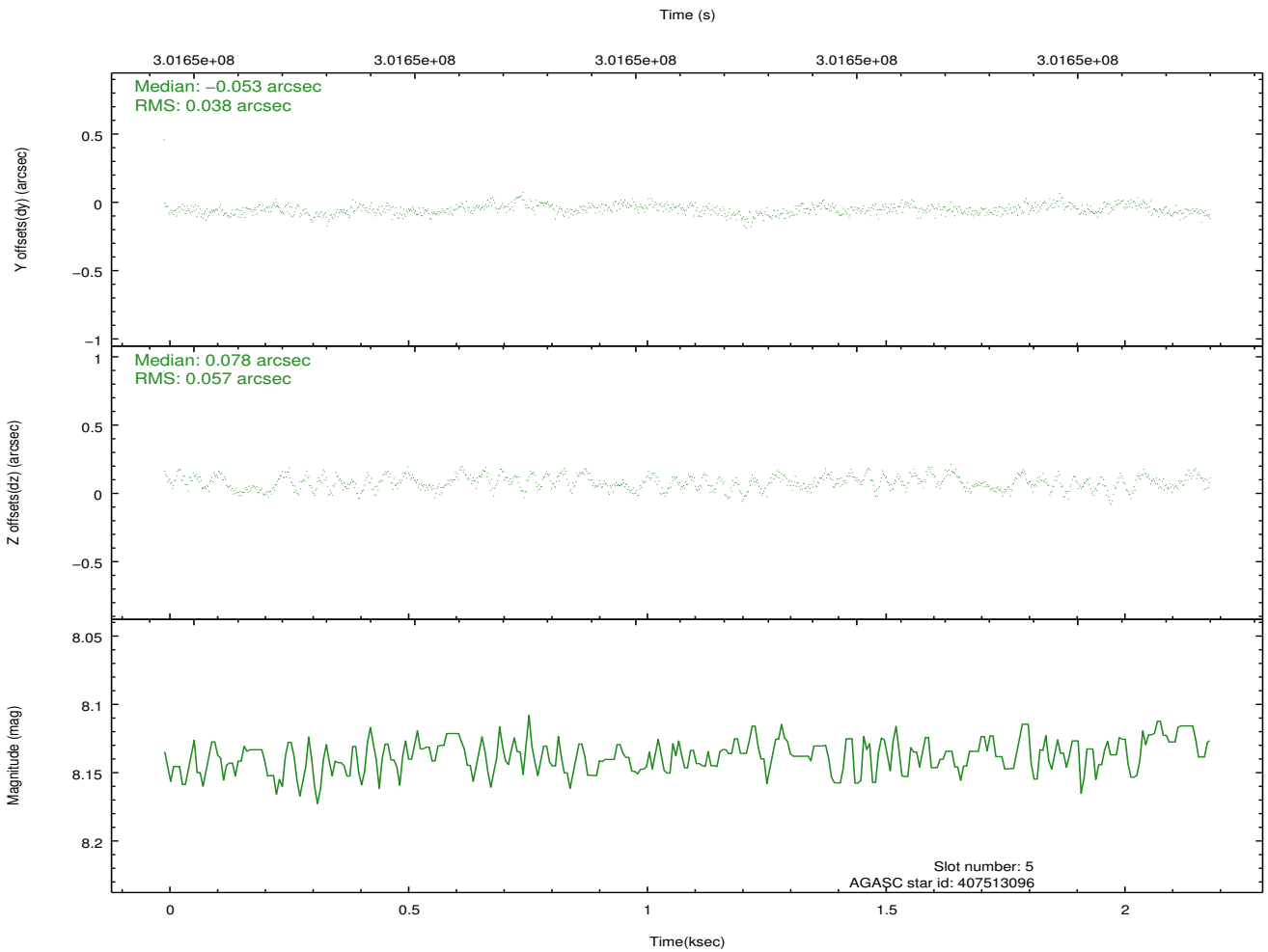
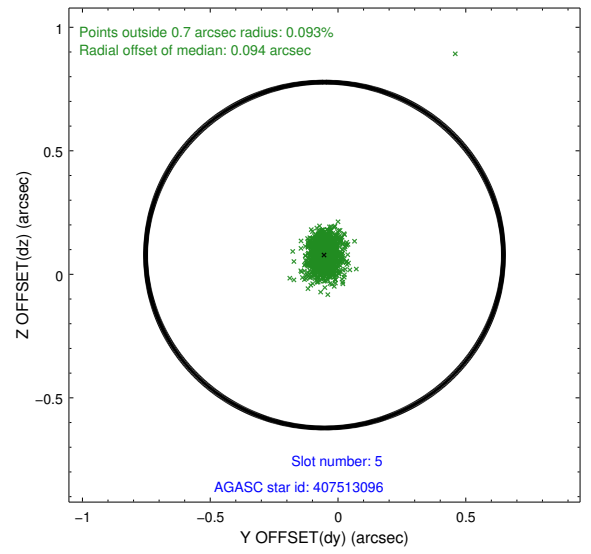
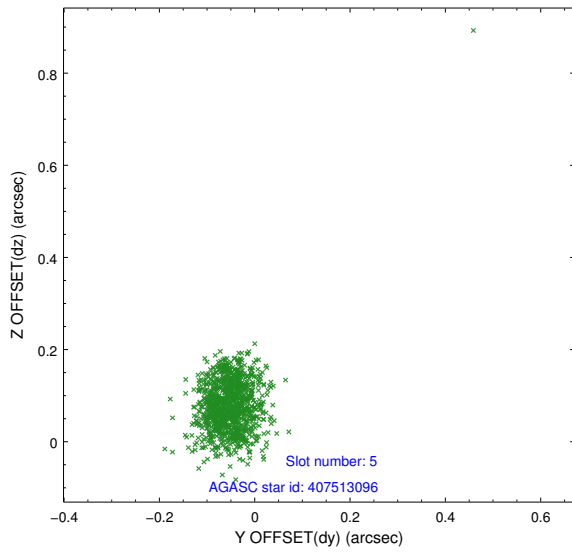
### 2.4.1 Slot 3



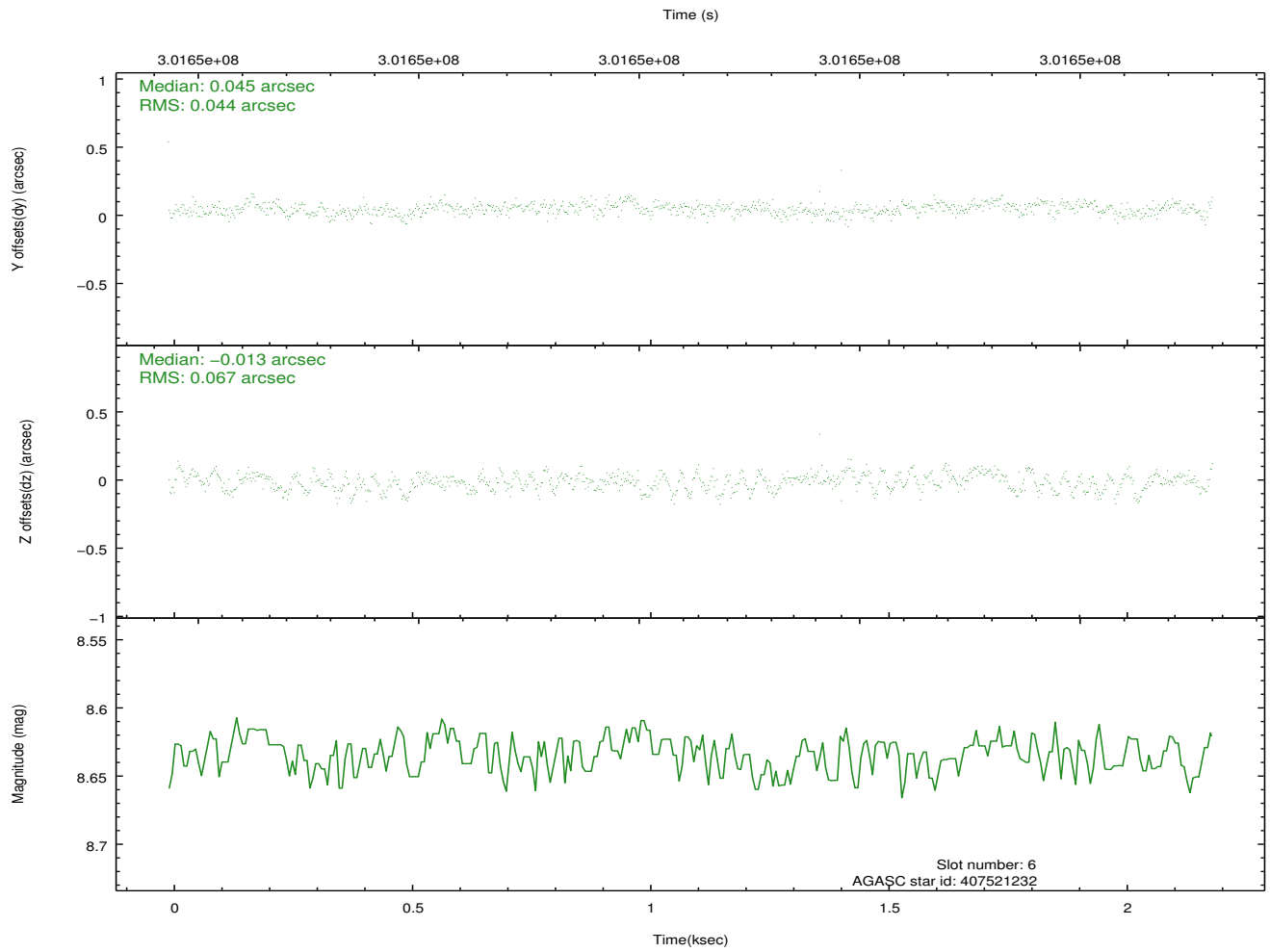
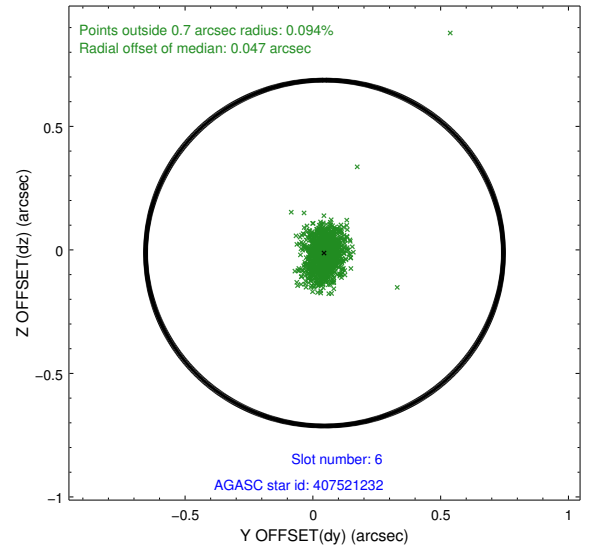
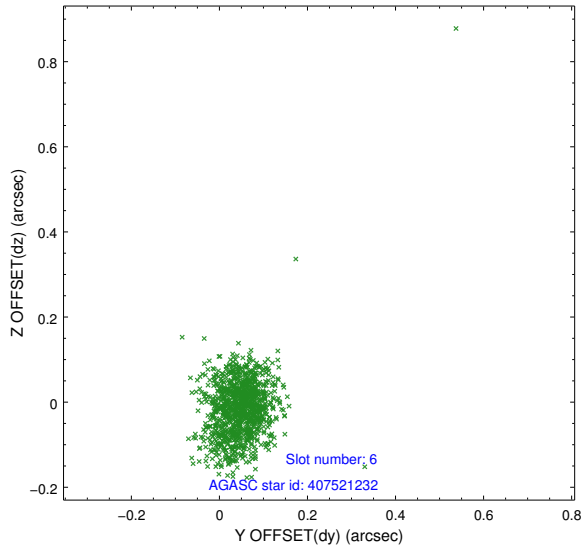
### 2.4.2 Slot 4



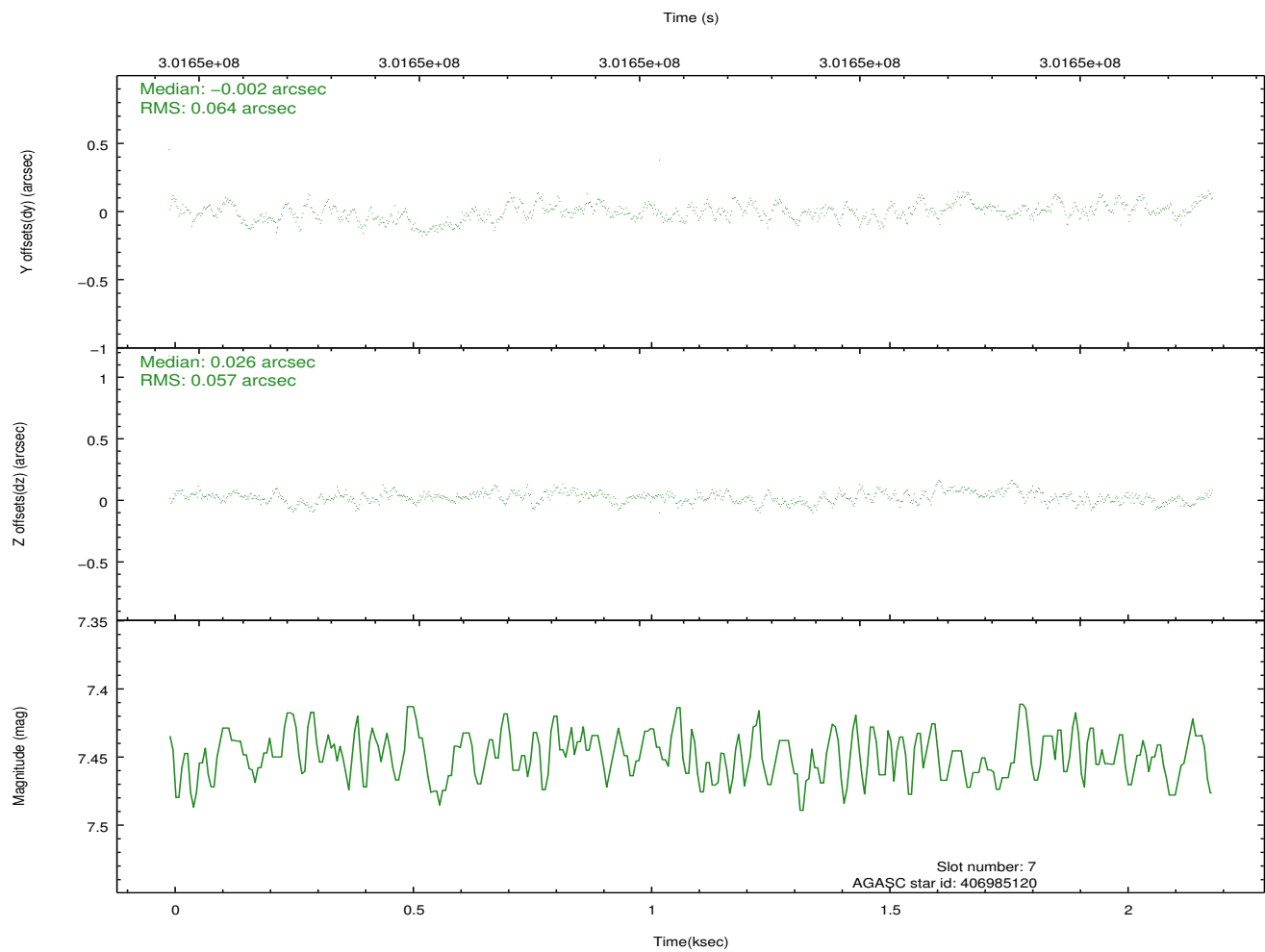
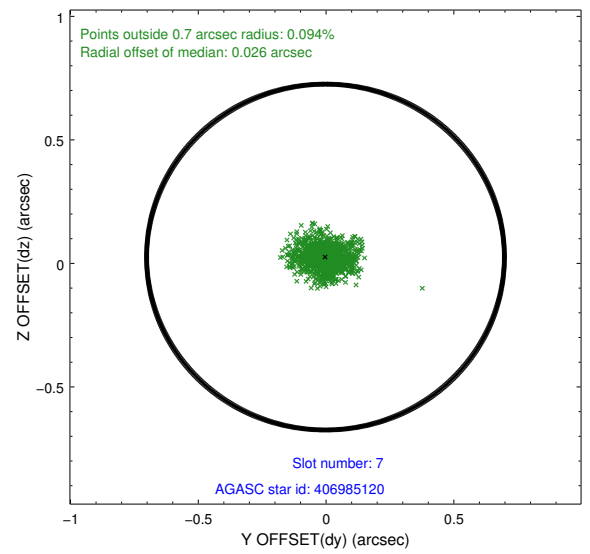
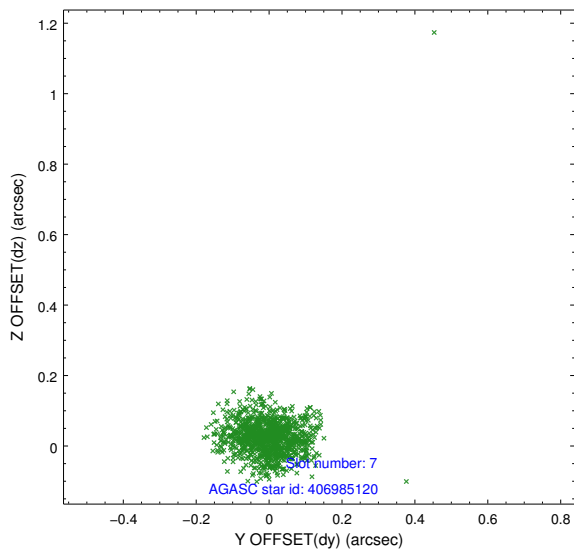
### 2.4.3 Slot 5



### 2.4.4 Slot 6

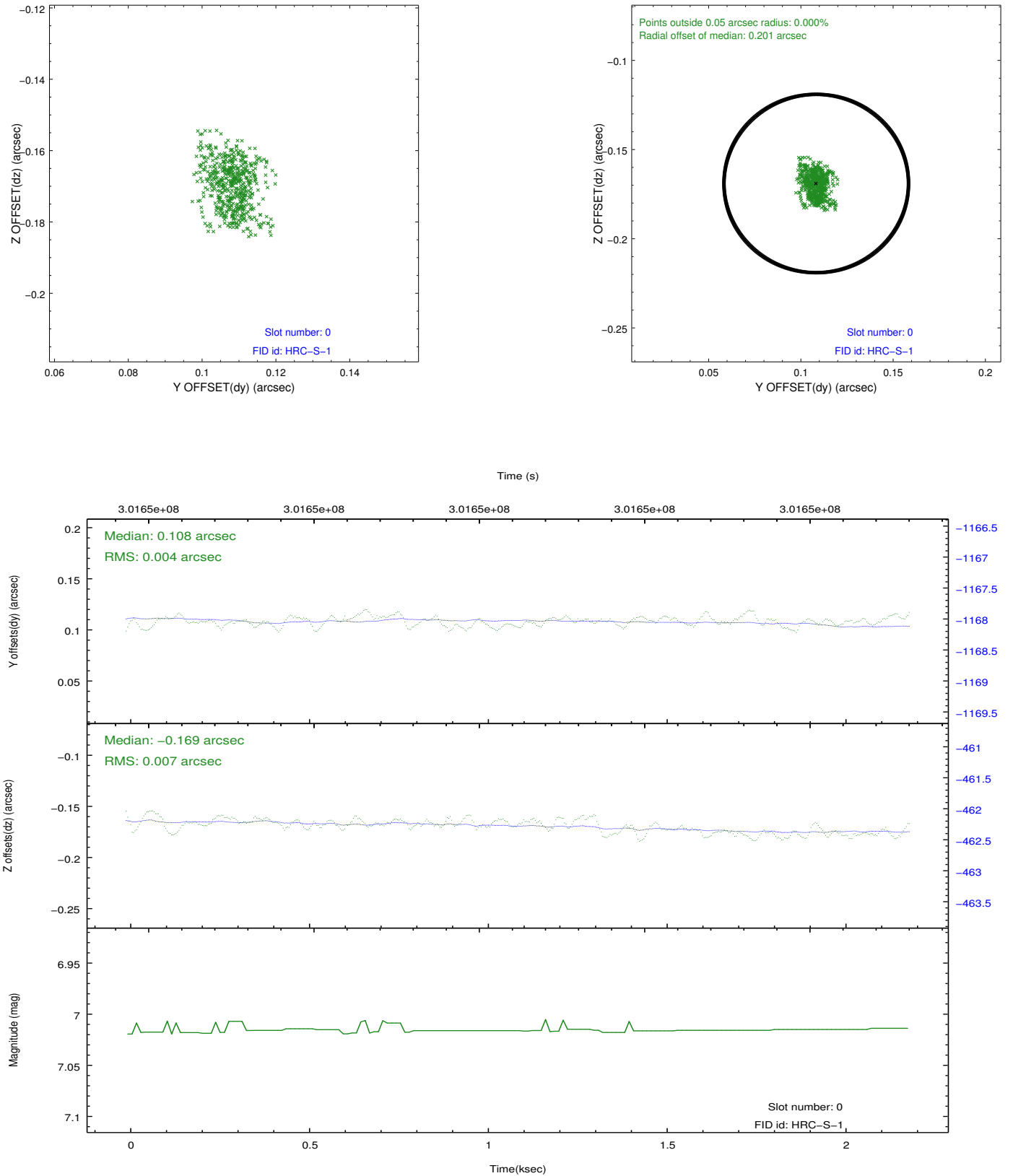


## 2.4.5 Slot 7

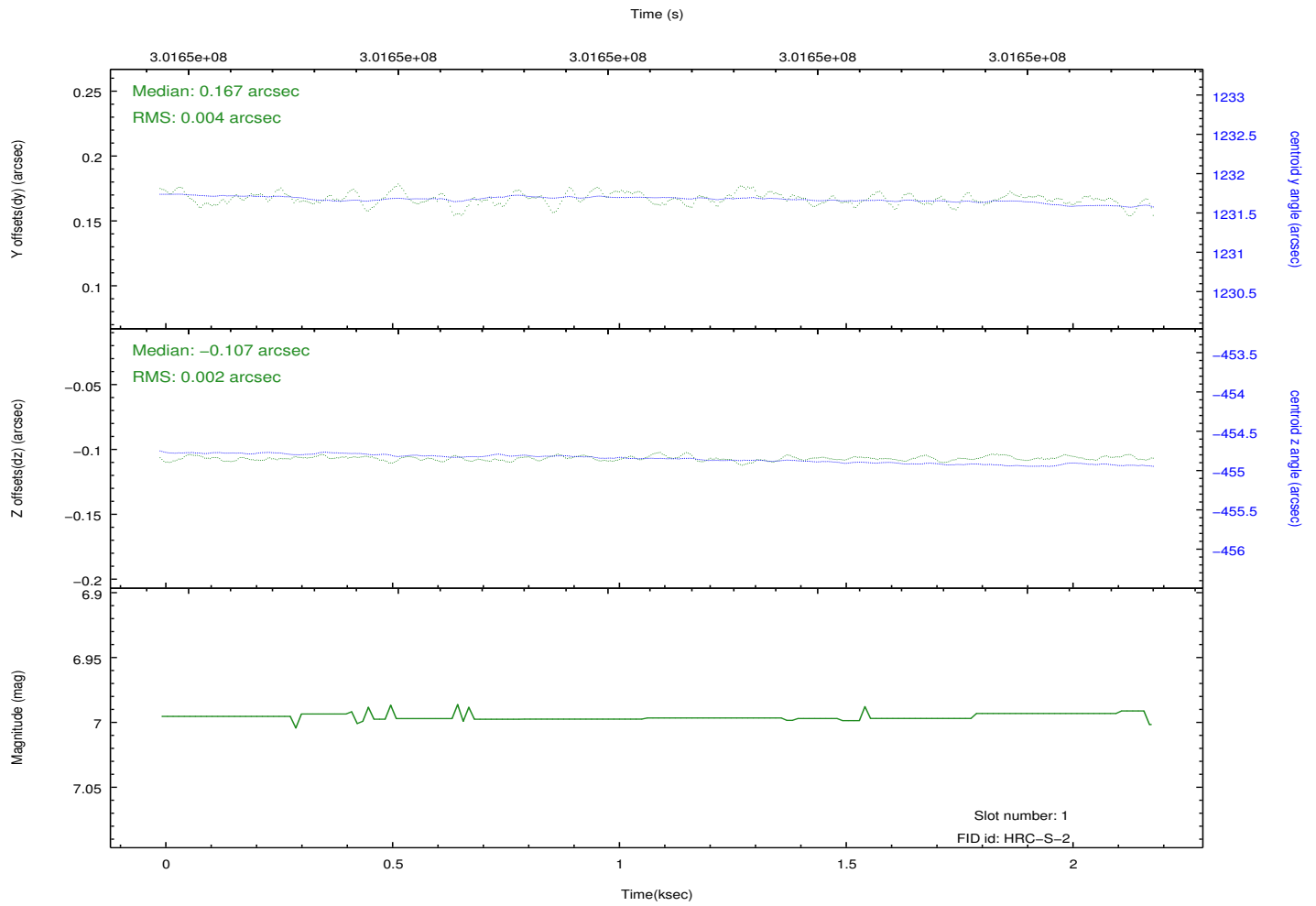
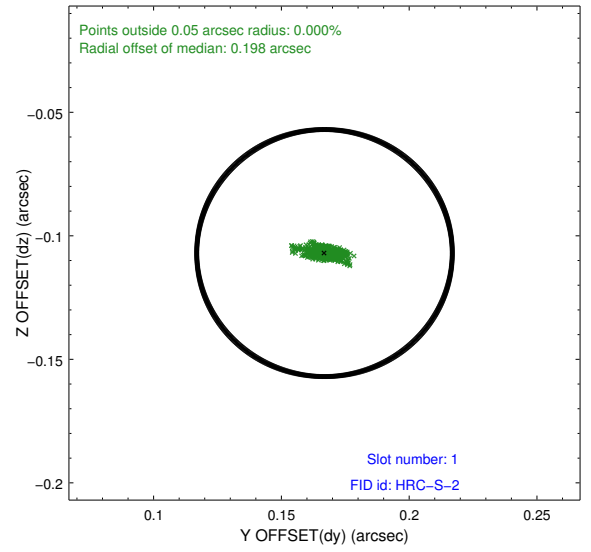
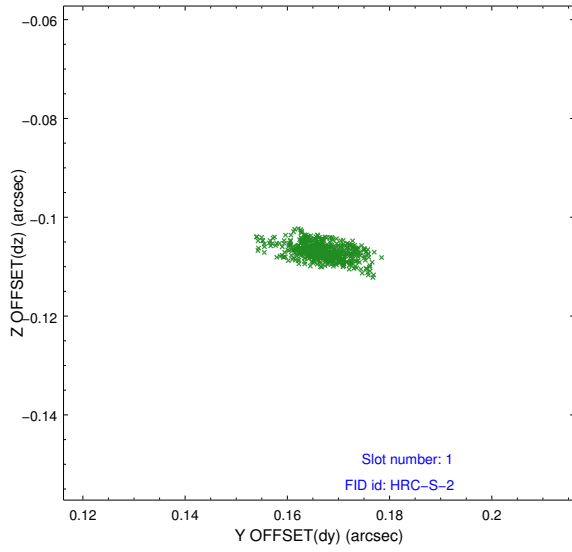


## 2.5 FID Slots

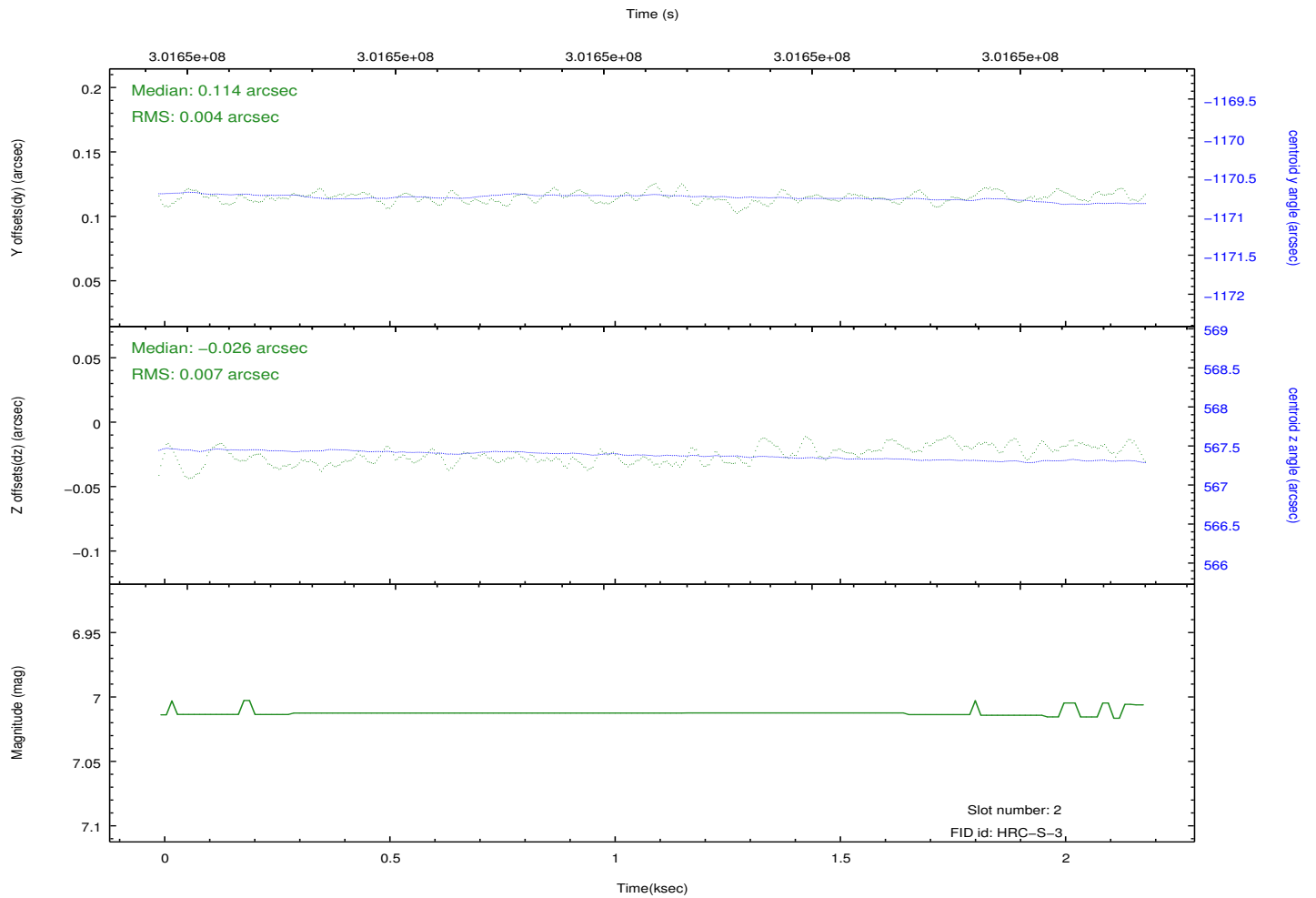
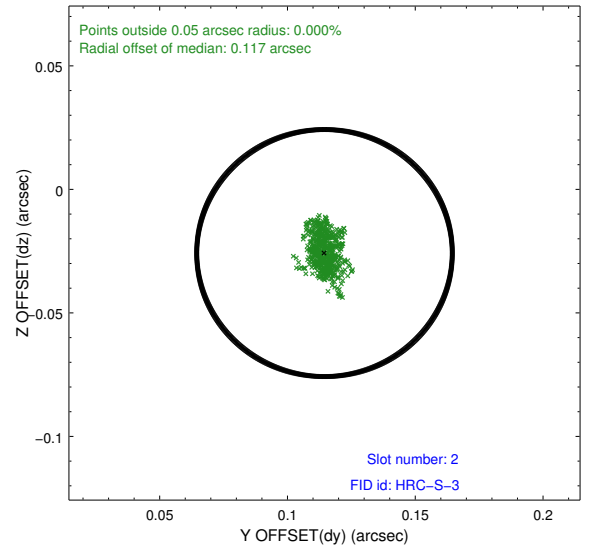
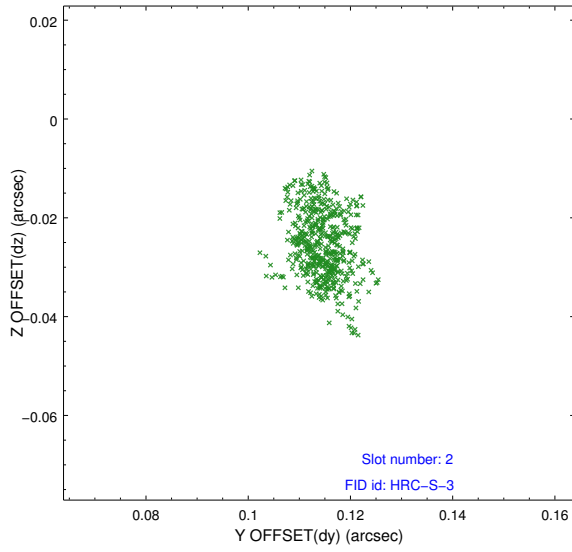
### 2.5.1 Slot 0



## 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)	2012.08.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.19068135

## A.2 Comments

Window constraint met.