

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8284 - L2 Version 4  
Chandra X-Ray Center

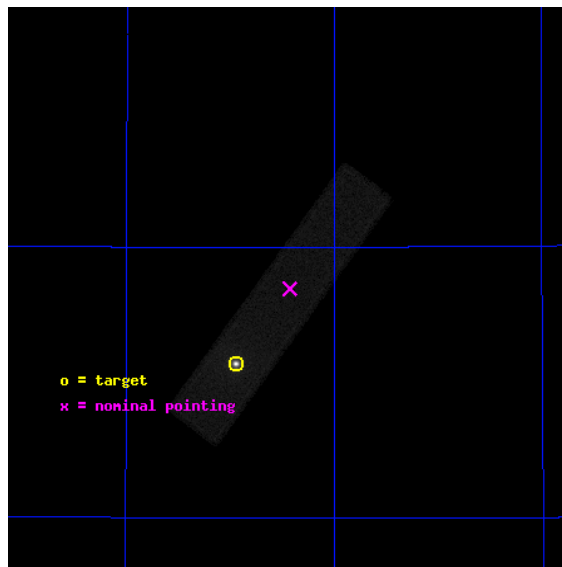
L2 Processing Date : Aug 11 2012

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# 1 Front

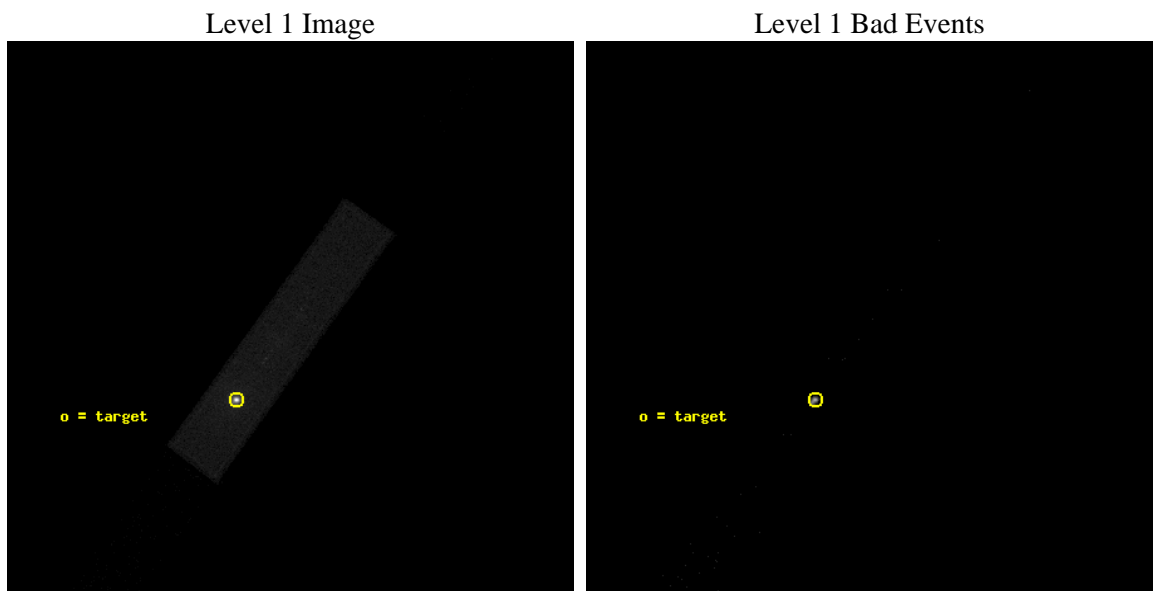
seq_num	290663	Sequence number
obs_id	8284	Observation id
title	AO8 Measurements of the optical/UV Transmission of the HRC Filters.	&#160
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.10663236481	Nominal RA [deg]
dec_nom	38.923085184759	Nominal Dec [deg]
roll_nom	125.86416815359	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2155.8313528299	[s]
livetime	1688.4379069135	Ontime multiplied by DTCOR
l2events	375212	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2155.8313528299	[s]
caldbver	4.5.1.1	&#160	l1events	453705	Number of level 1 events
date	2012-08-11T21:18:15	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

Level 1 Events

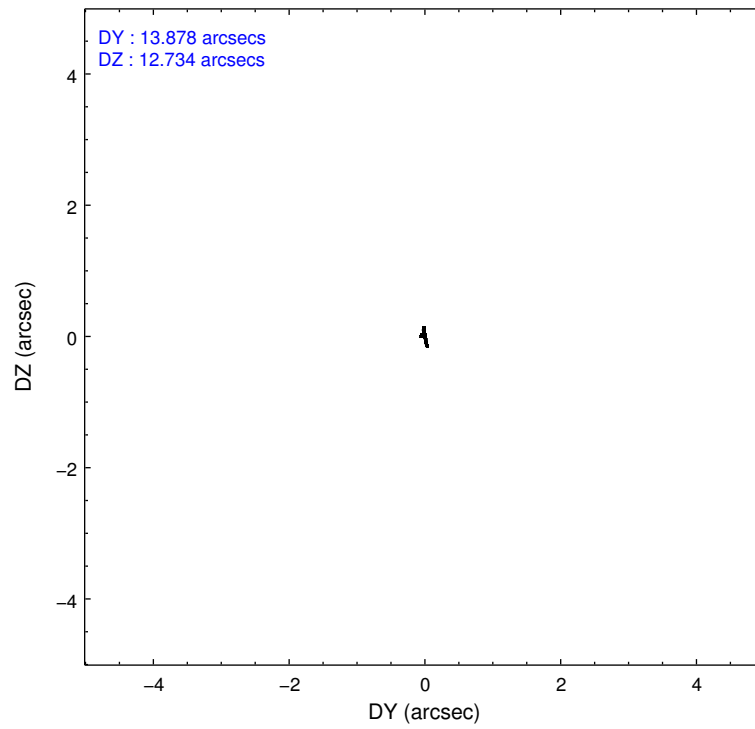
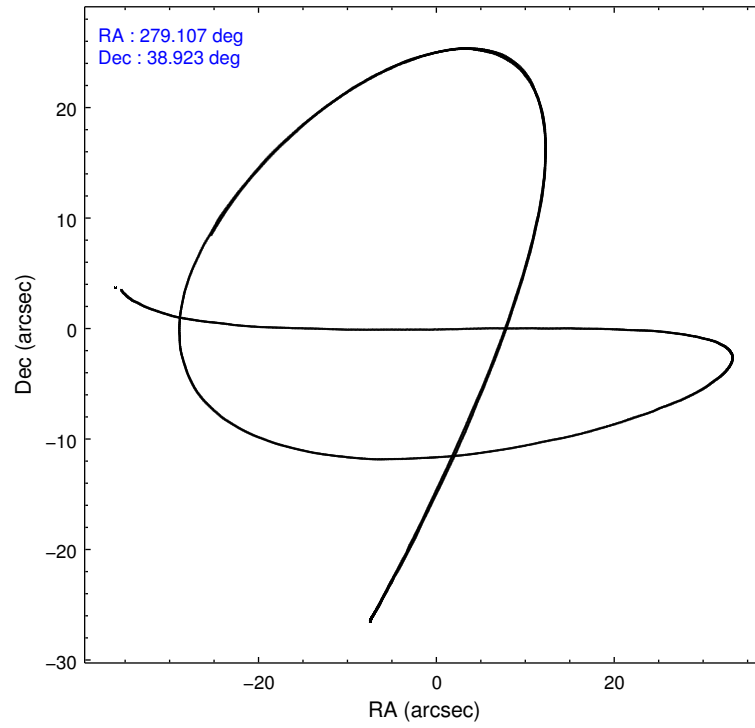
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	6153	446299	1253
rejected events	6153	48804	1233
rejected %	100%	10%	98%

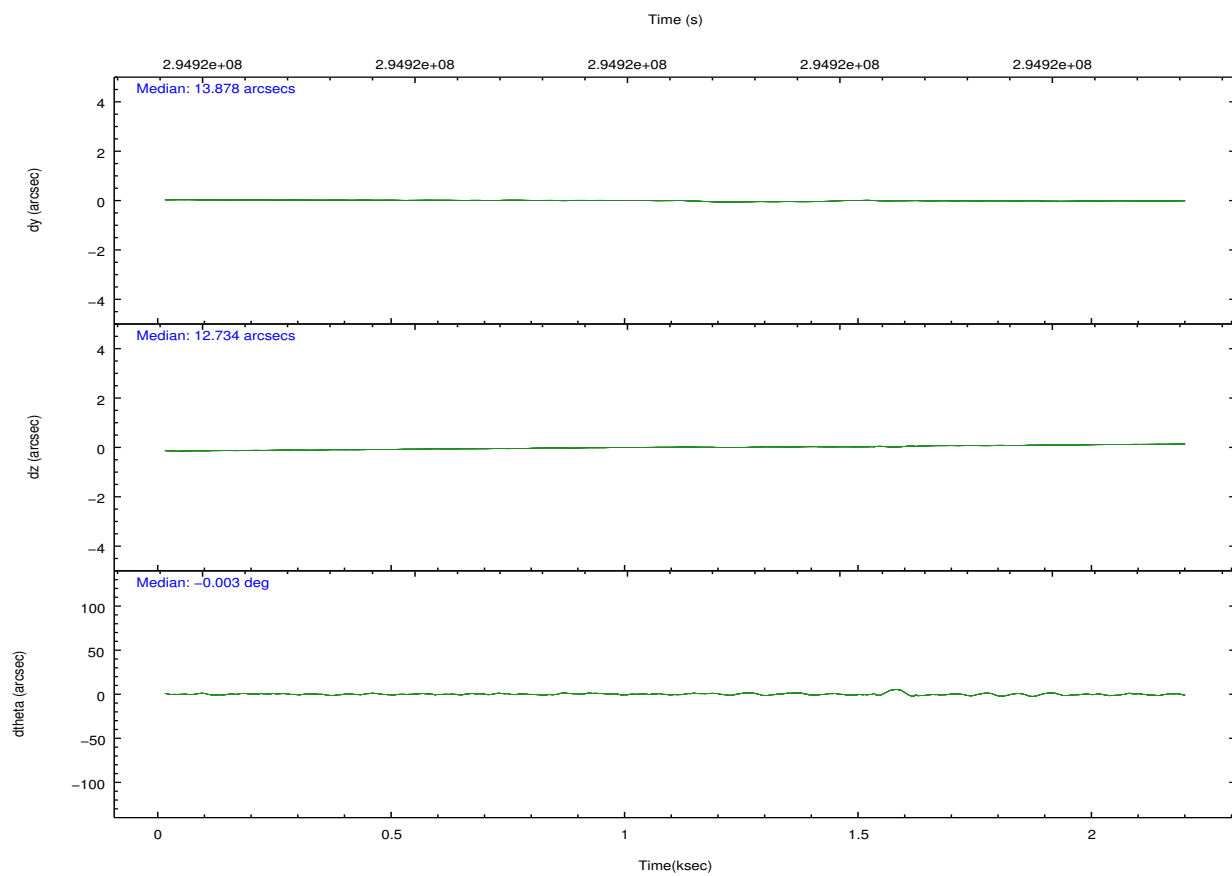
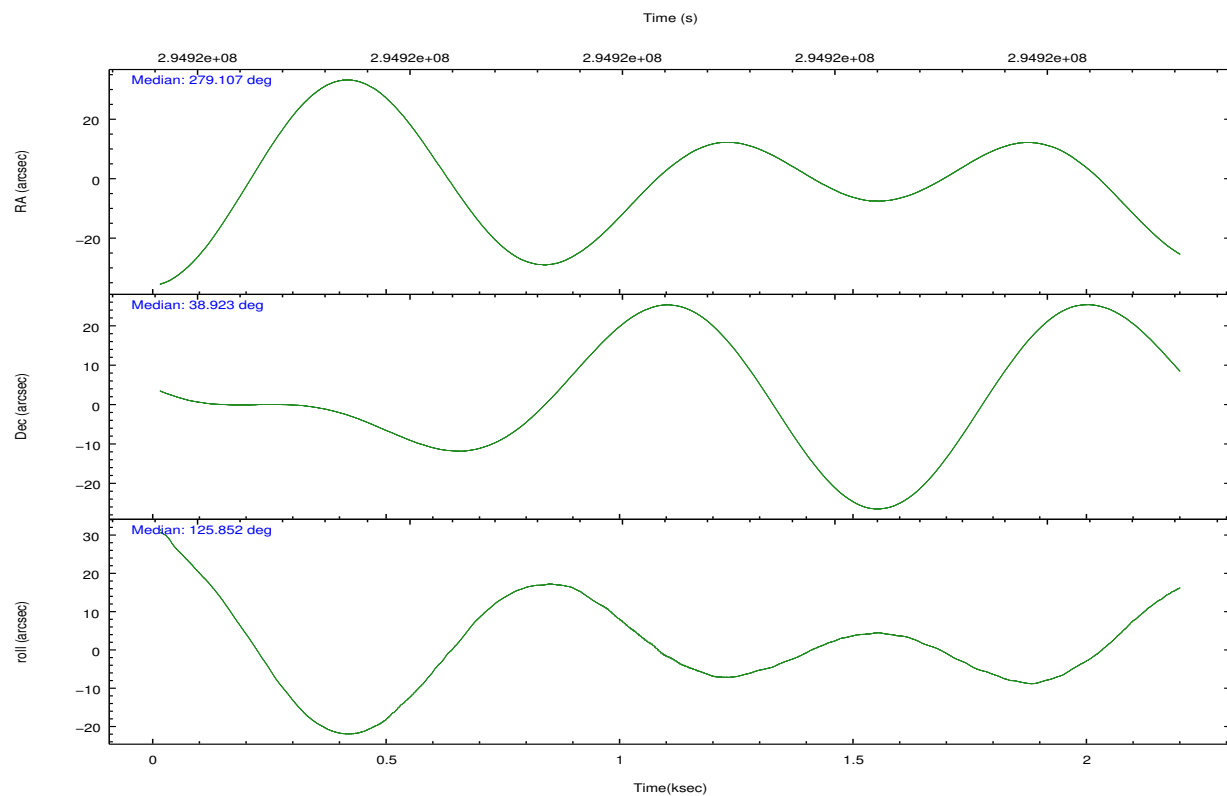
## 2.2 Compared Parameters

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	279.140804	279.1066323648121
[deg] Pointing Dec	38.912511	38.92308518475853
[deg] Pointing Roll	125.775368	125.8641681535949
[s] Window start time (MET)	289094465.184000	289094465.184000
[s] Window stop time (MET)	296956865.184000	296956865.184000
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	294919208.184000	294918832.44938
Observation start date	2007-05-07T09:59:03	2007-05-07T09:53:52
[s] Observation end time (MET)	294921208.184000	294921342.162
Observation end date	2007-05-07T10:32:23	2007-05-07T10:35:42

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

## 2.3 Aspect





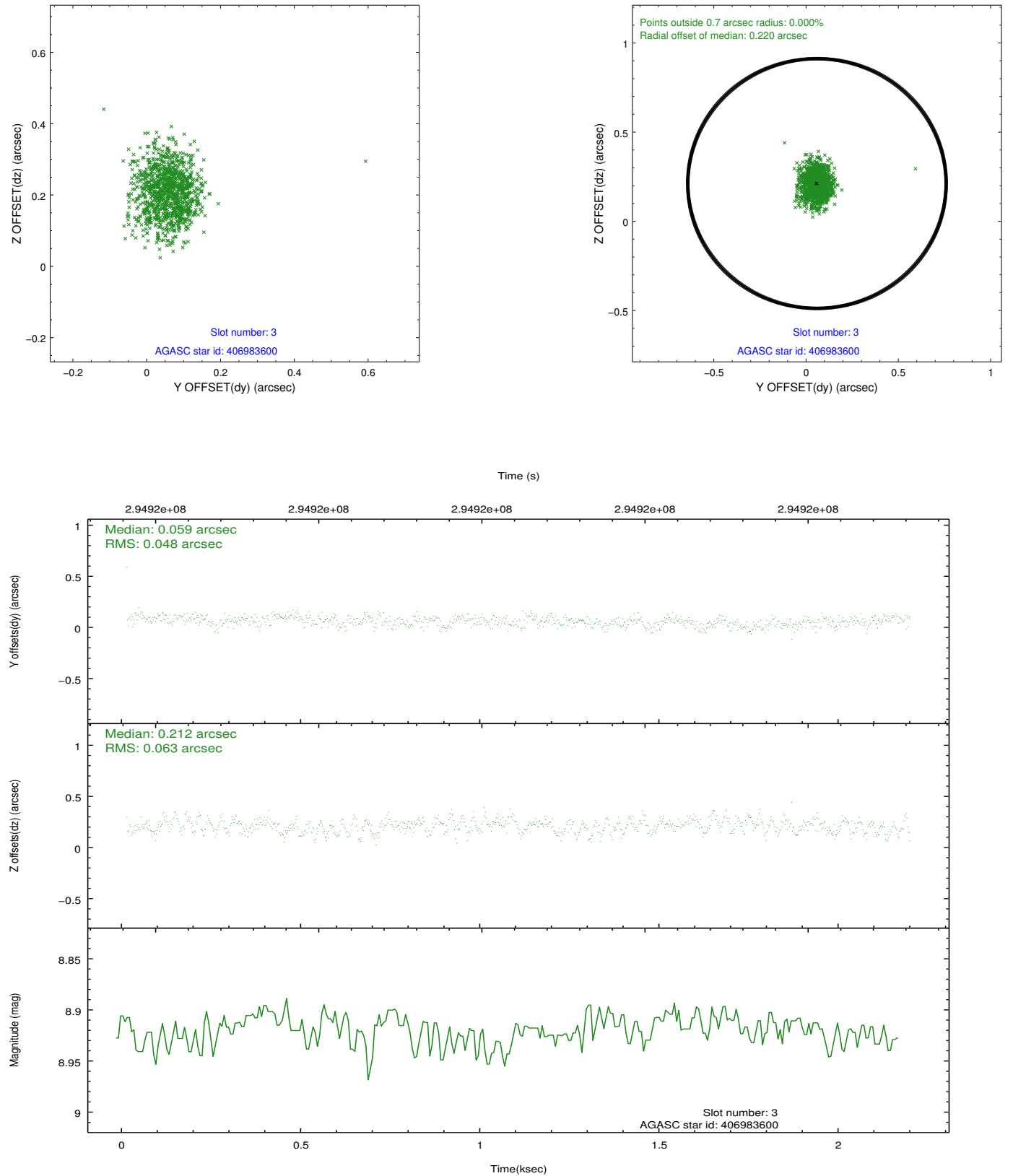
### Slot Statistics

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	533	0.043	-0.146	0.004	0.008	0.000000	0.000000	-1168.29	-461.43
1	FID	HRC-S-2	6.96	533	0.124	-0.052	0.008	0.013	0.000000	0.000000	1229.26	-454.87
2	FID	HRC-S-4	6.93	533	0.236	-0.106	0.007	0.012	0.000000	0.000000	1232.46	569.81
3	GUIDE	406983600	8.92	1066	0.059	0.212	0.083	0.139	279.940957	39.020708	-984.69	-2048.18
4	GUIDE	406985120	7.42	1067	-0.006	-0.022	0.080	0.128	278.839732	38.894839	441.72	720.07
5	GUIDE	406989616	8.23	1067	0.086	0.004	0.080	0.140	279.202881	38.520843	-1245.65	683.99
6	GUIDE	407521232	8.64	1066	-0.109	0.218	0.086	0.136	279.628883	39.431715	725.34	-2193.76
7	GUIDE	406987272	6.95	1066	-0.038	-0.411	0.064	0.103	278.536588	38.437504	-386.05	2377.28

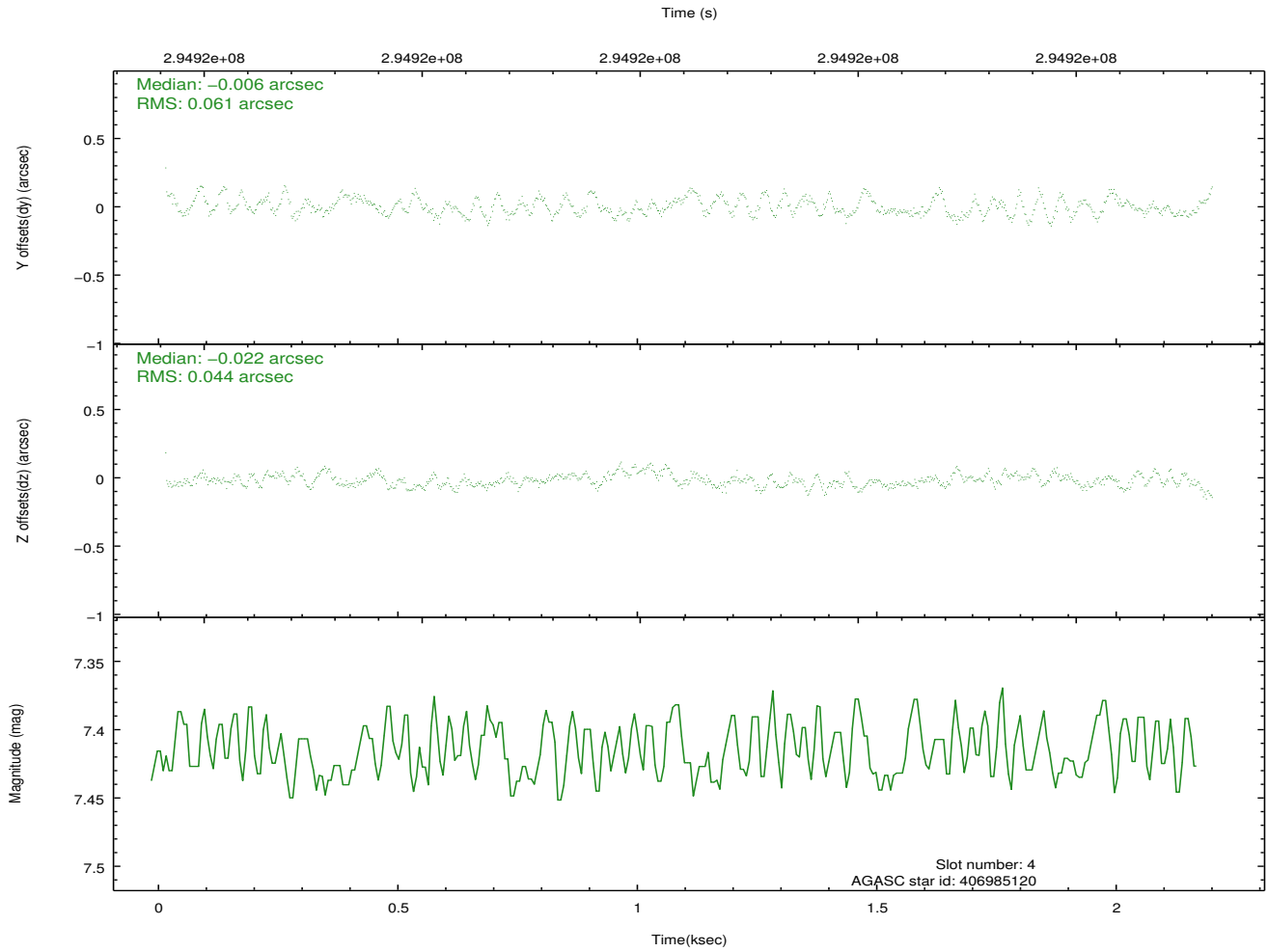
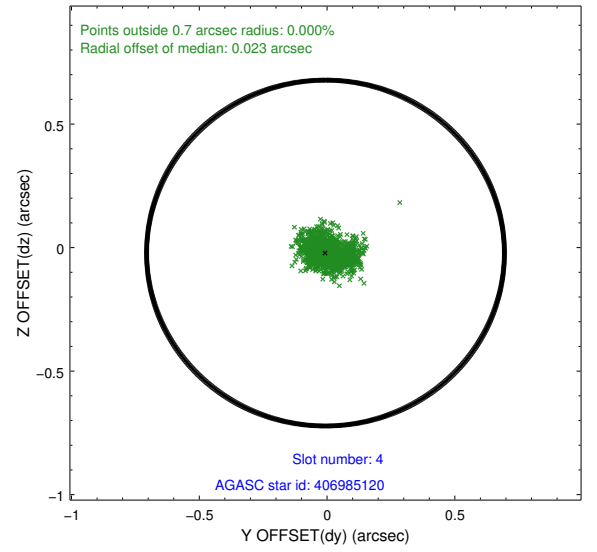
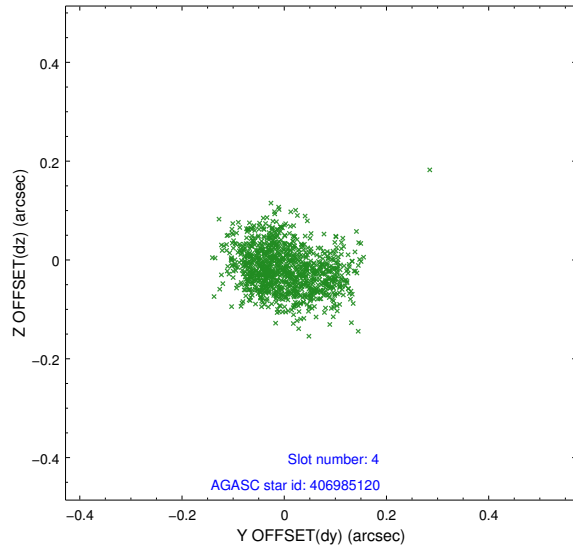


## 2.4 Star Slots

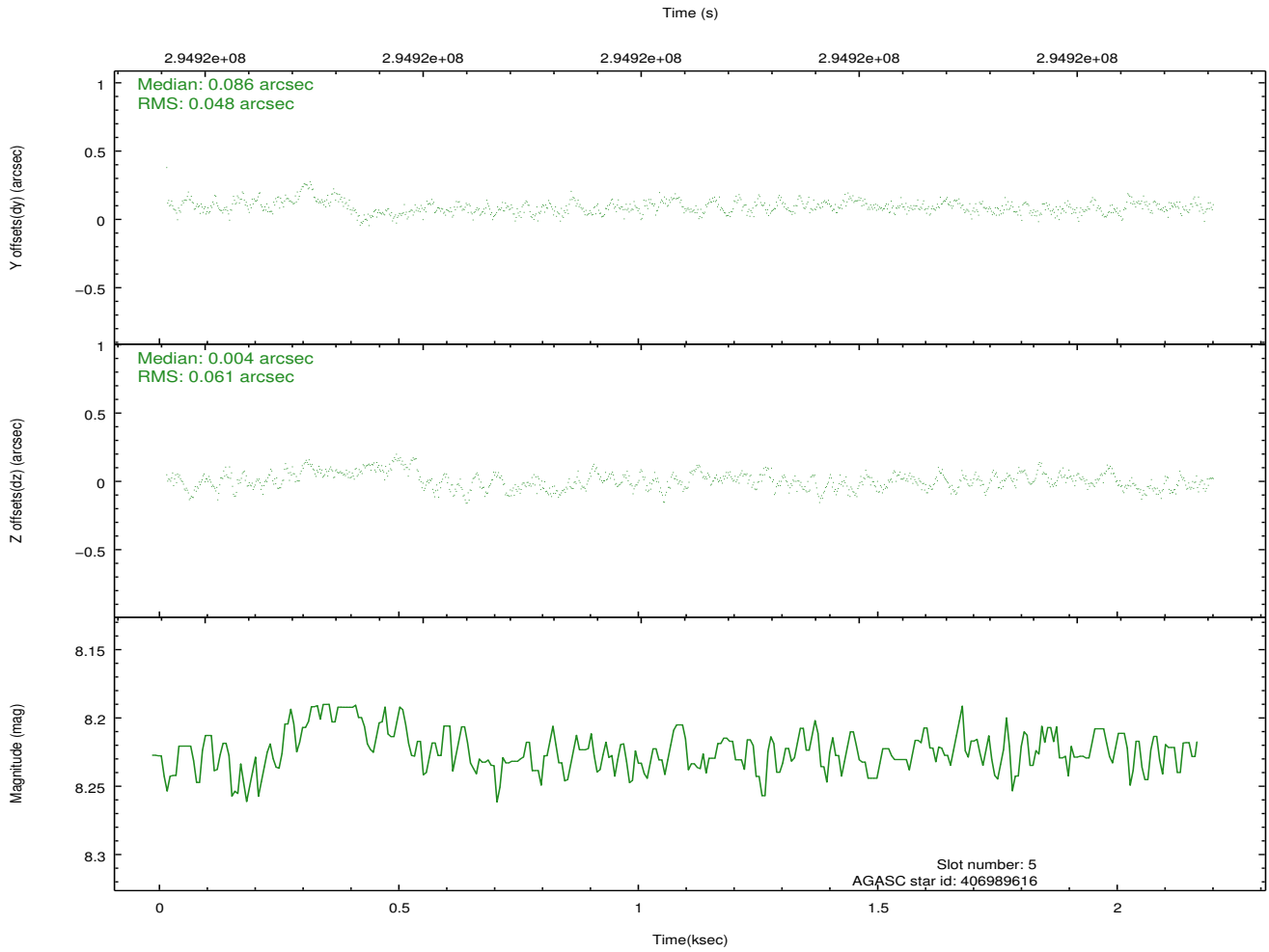
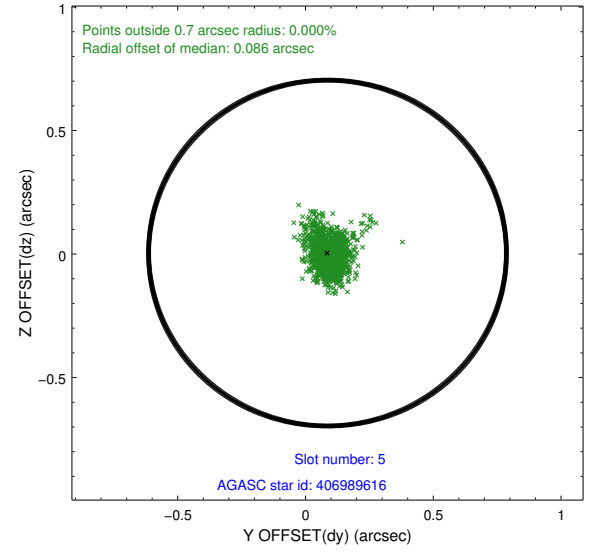
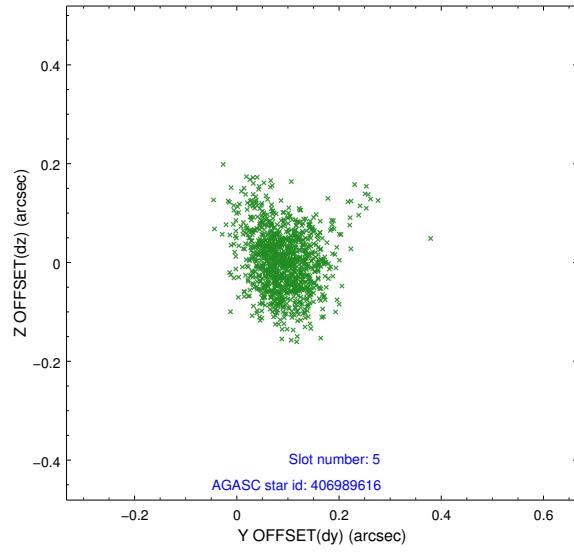
### 2.4.1 Slot 3



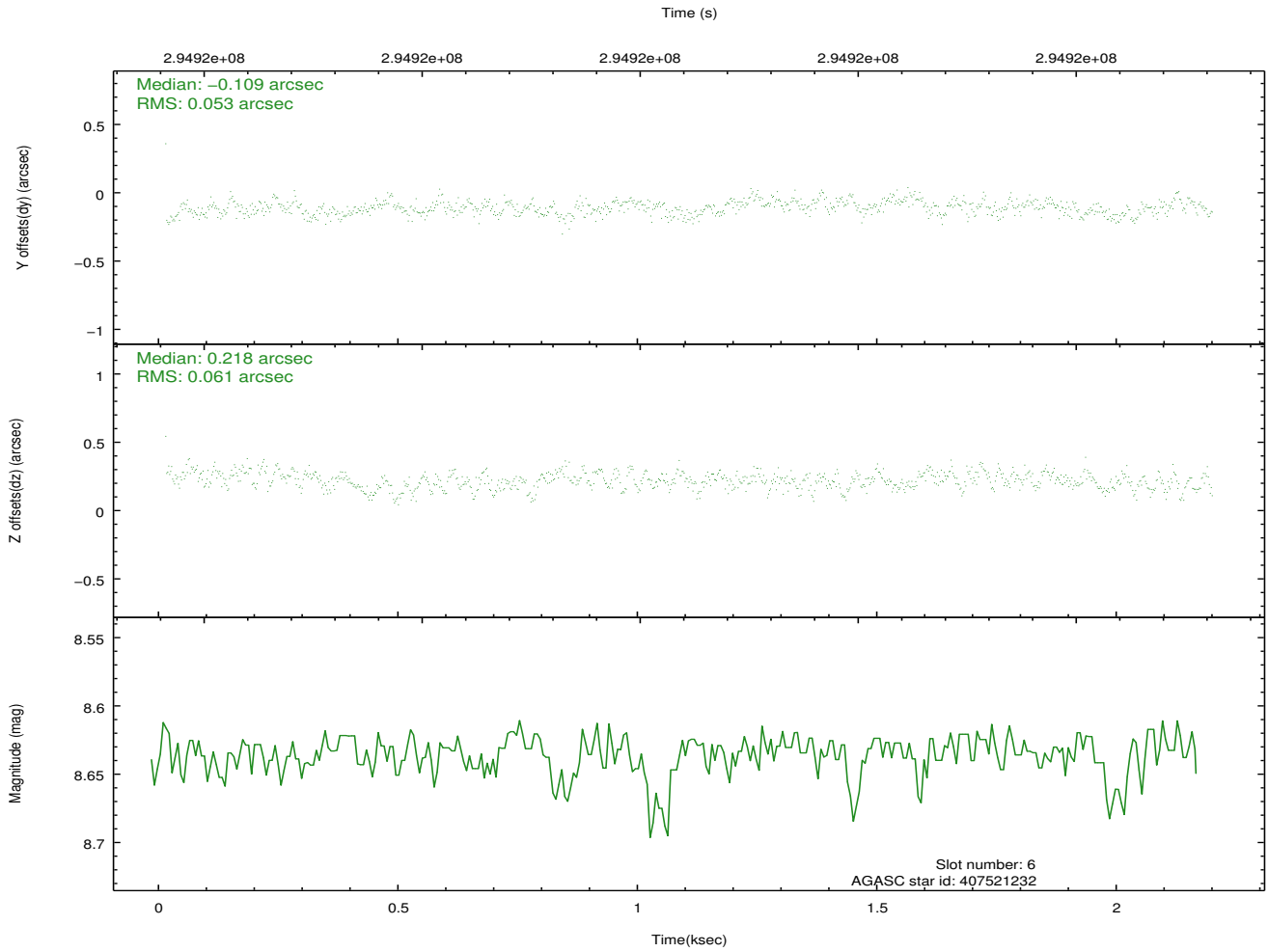
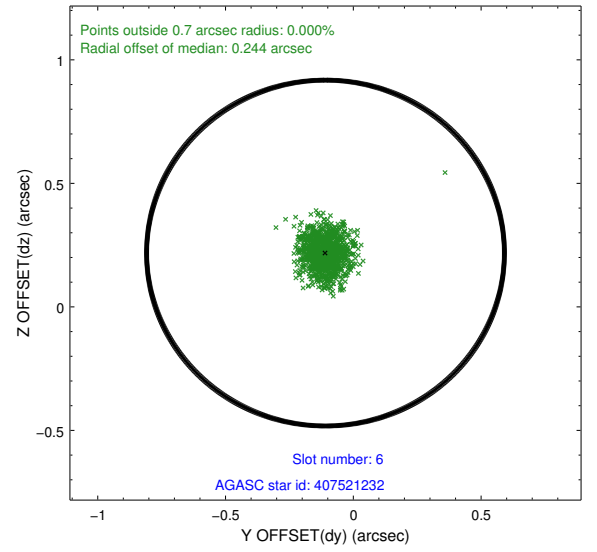
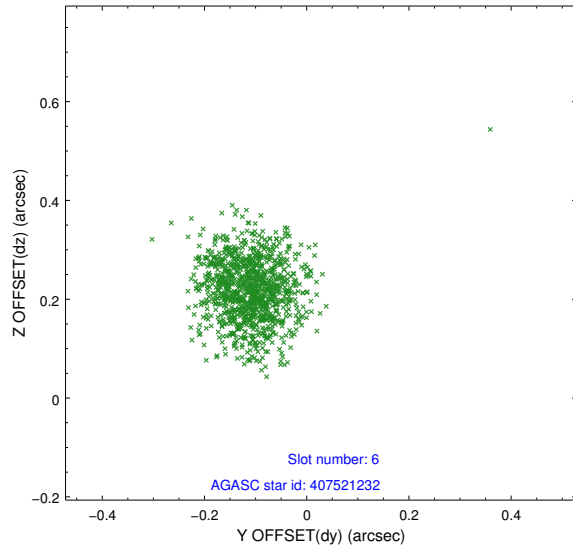
## 2.4.2 Slot 4



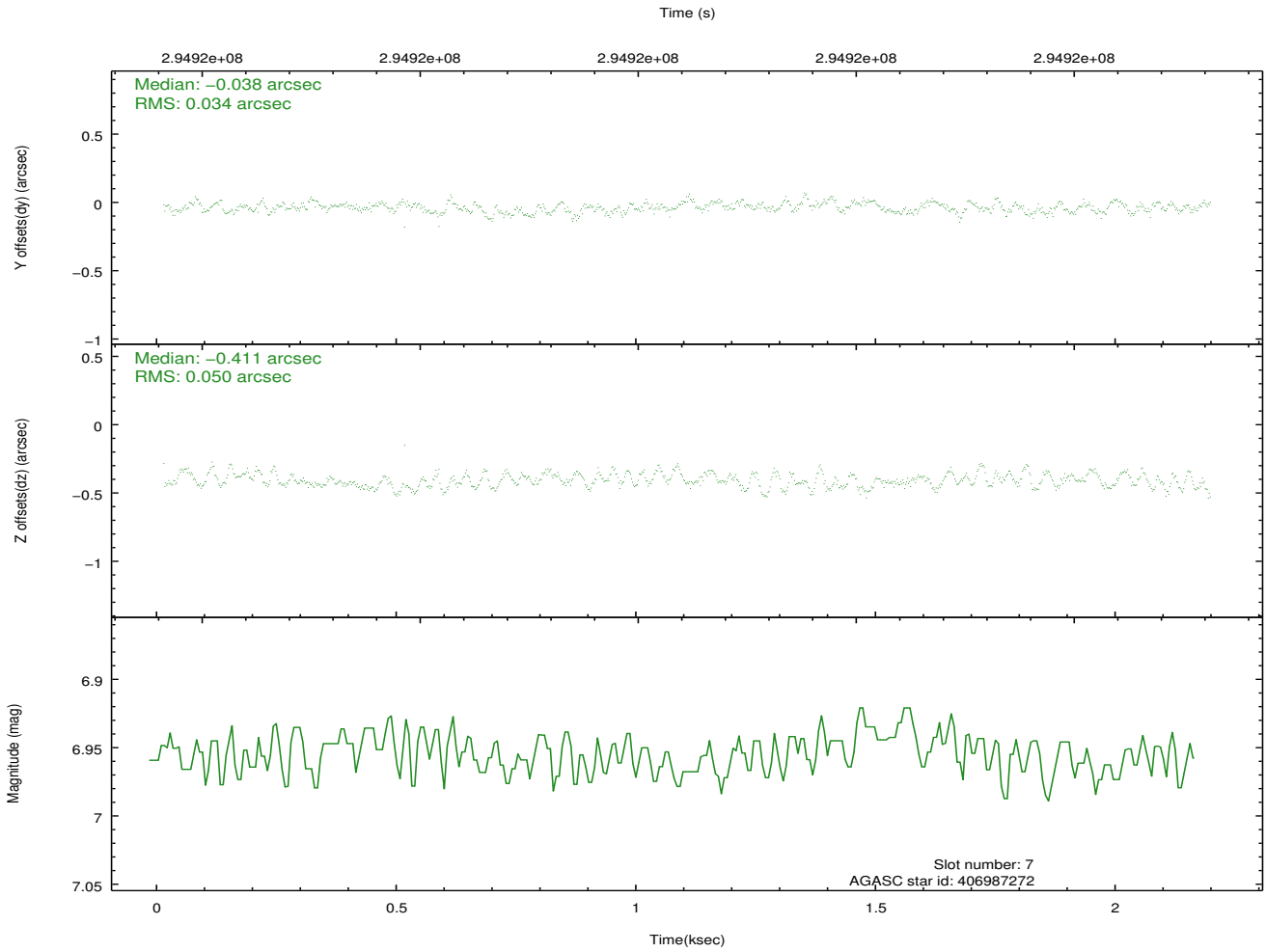
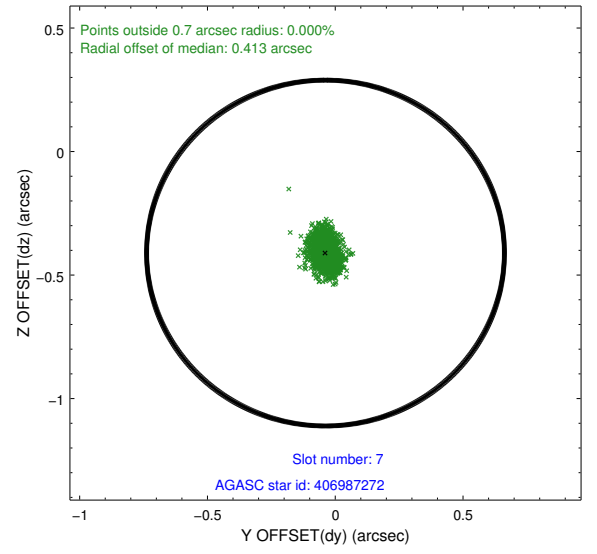
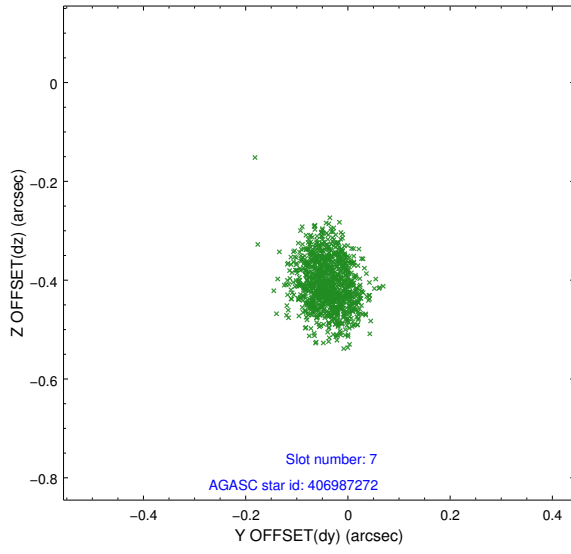
### 2.4.3 Slot 5



## 2.4.4 Slot 6

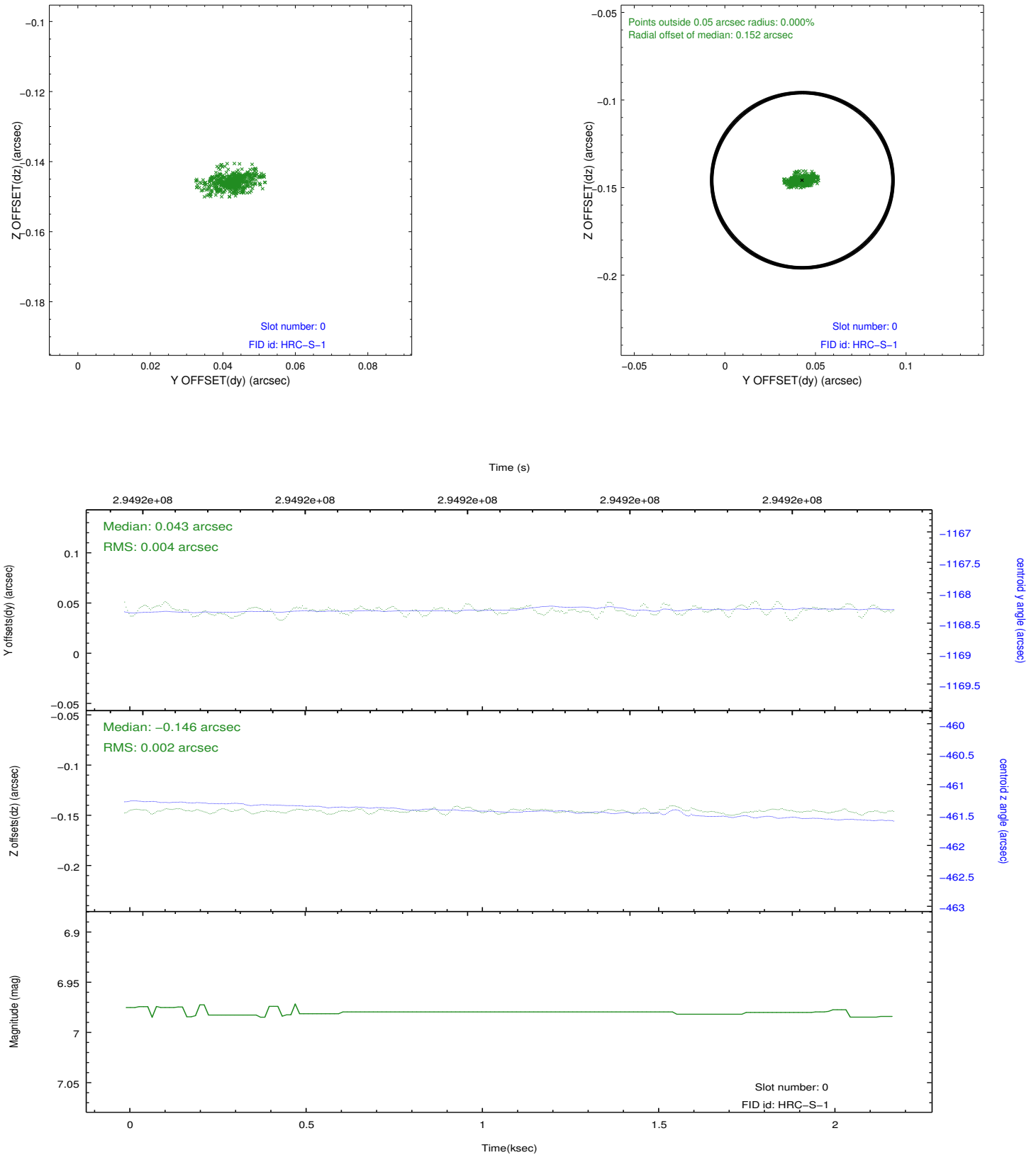


## 2.4.5 Slot 7

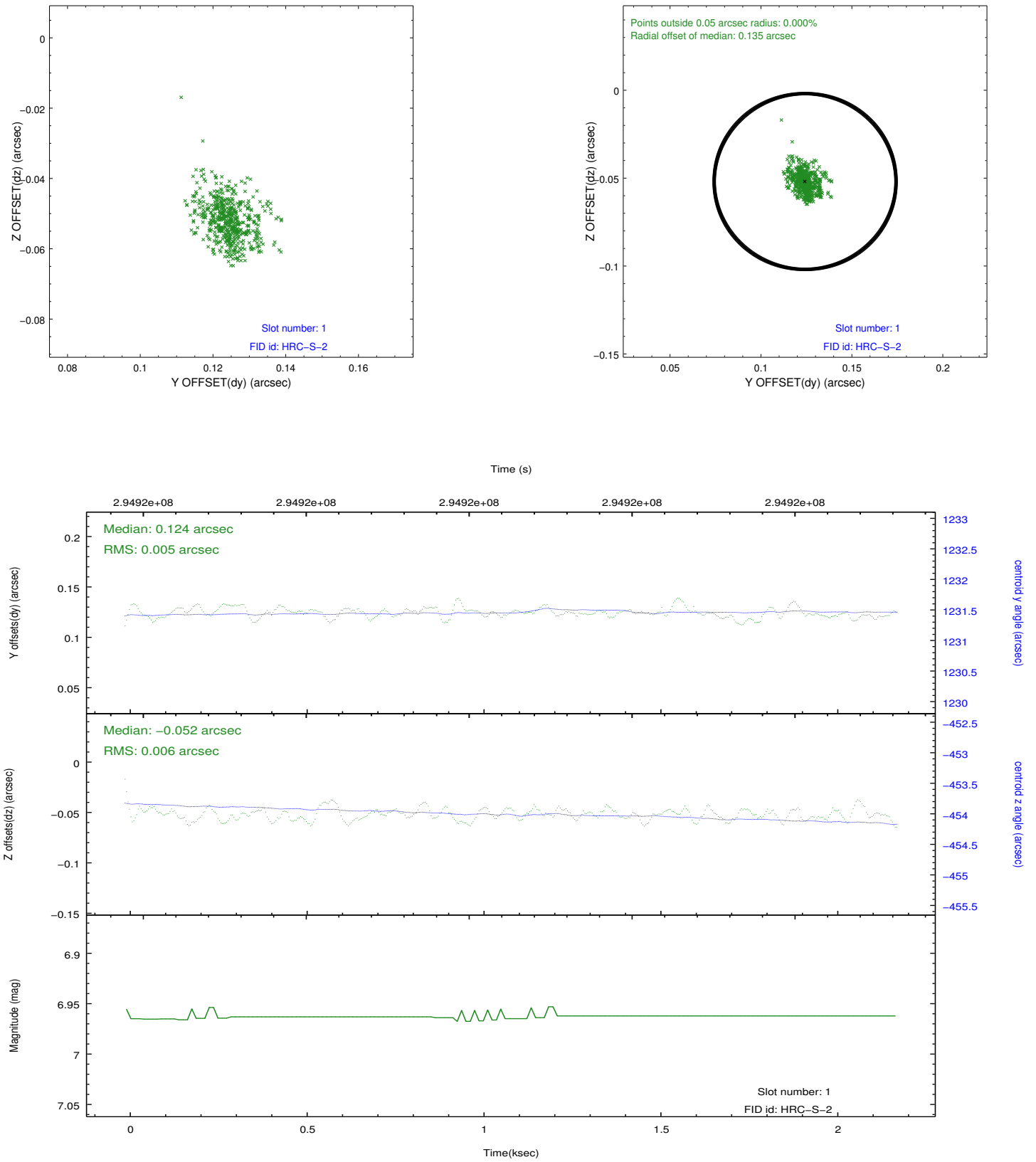


## 2.5 FID Slots

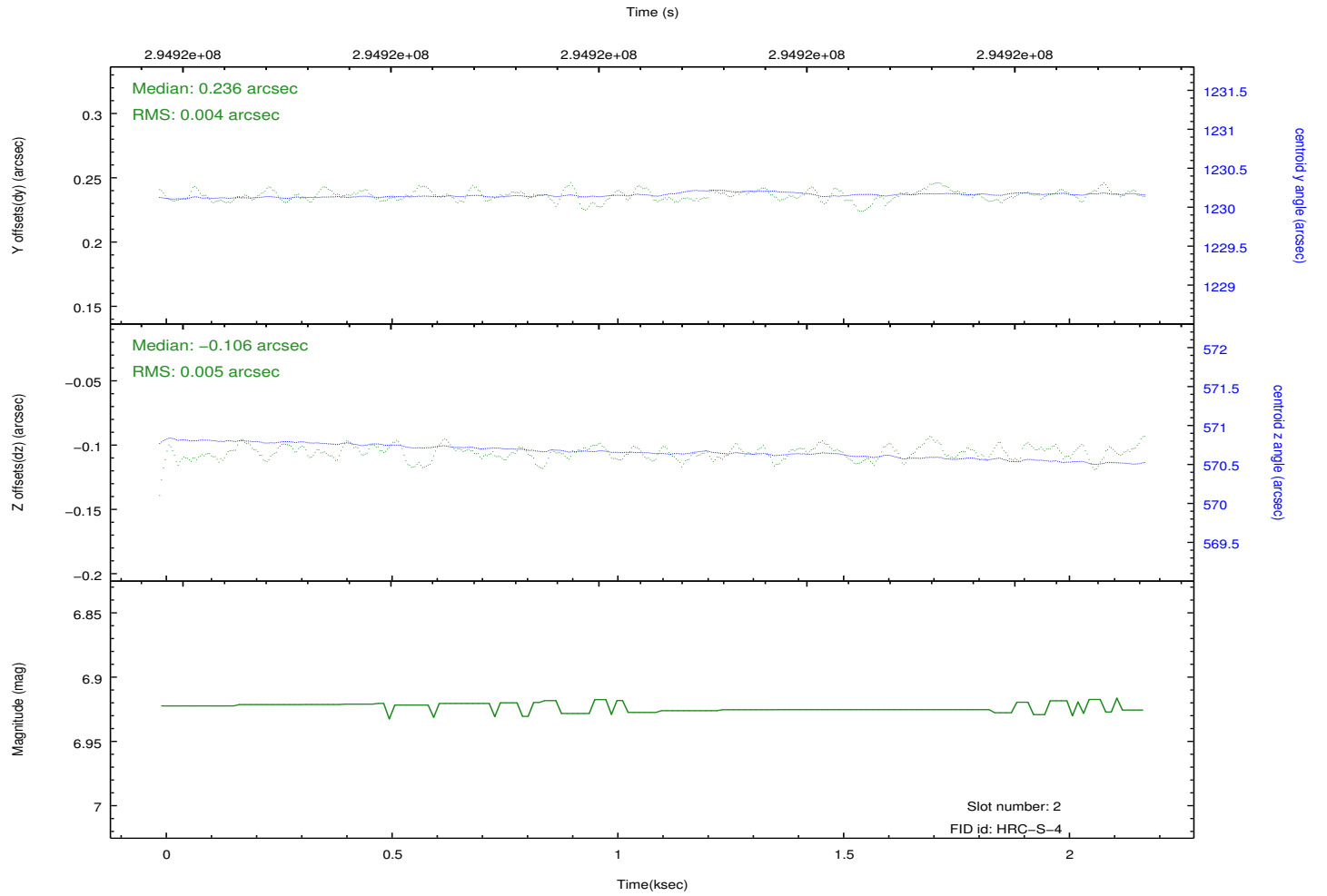
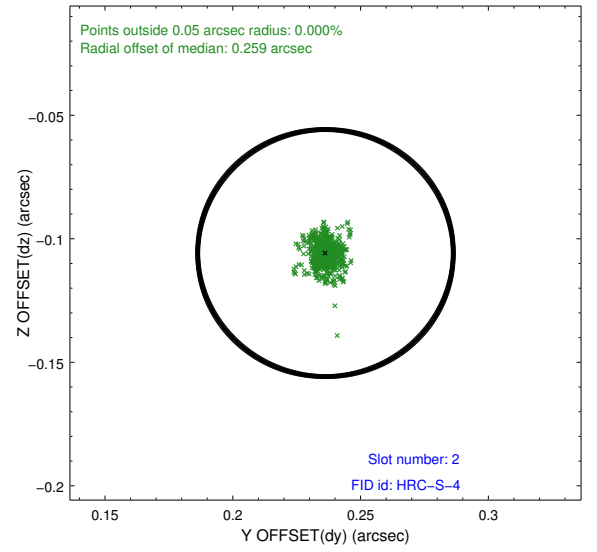
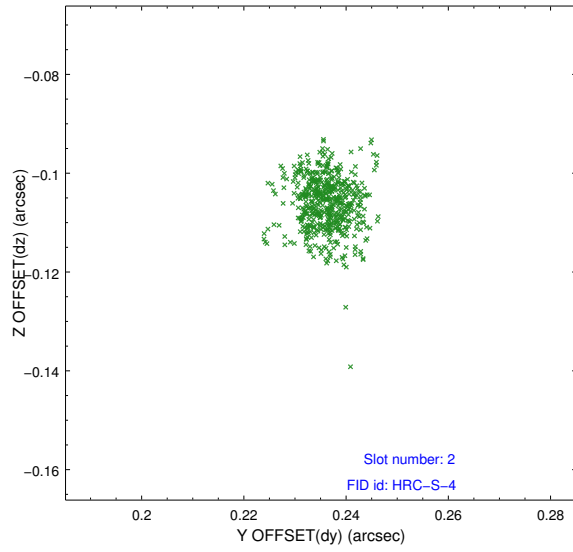
### 2.5.1 Slot 0



## 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)	2012.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1555751

### A.2 Comments

Window constraint met.