

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11952 - L2 Version 2  
Chandra X-Ray Center

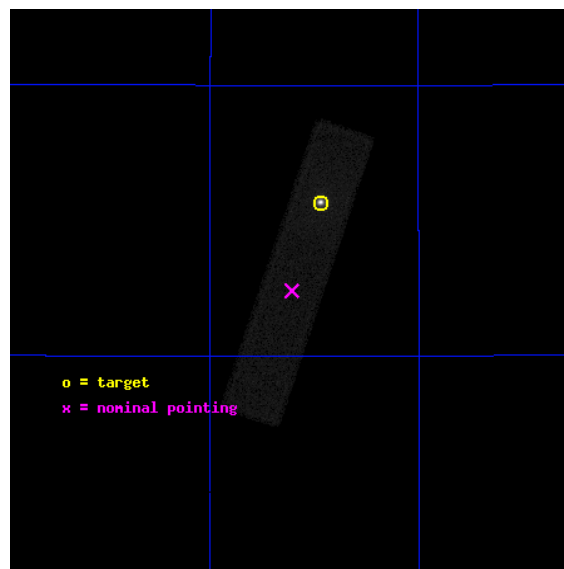
L2 Processing Date : Jul 5 2012

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# 1 Front

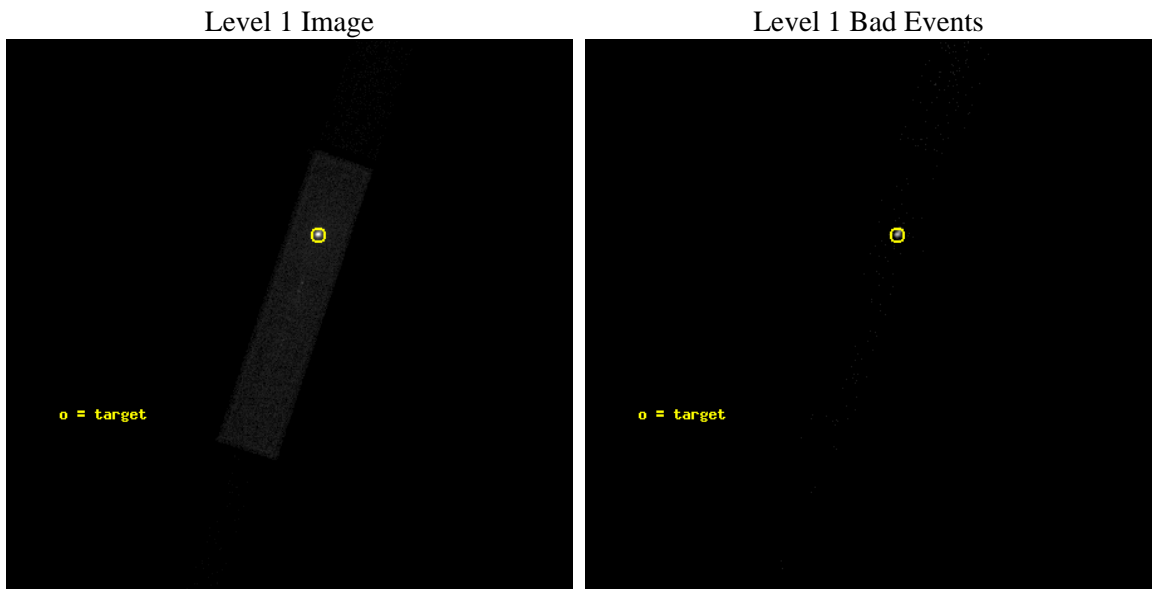
seq_num	290941	Sequence number
obs_id	11952	Observation id
title	AO-11 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.30362016037	Nominal RA [deg]
dec_nom	38.621060191593	Nominal Dec [deg]
roll_nom	288.52073912902	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1155.4313094616	[s]
liveltime	946.30268127876	Ontime multiplied by DTCOR
l2events	201600	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	1155.4313094616	[s]
caldbver	4.5.0	&#160	l1events	269385	Number of level 1 events
date	2012-07-05T05:49:29	Date and time of file creation			
revision	2	Processing version of data			

### 2.1.3 Events

Level 1 Events

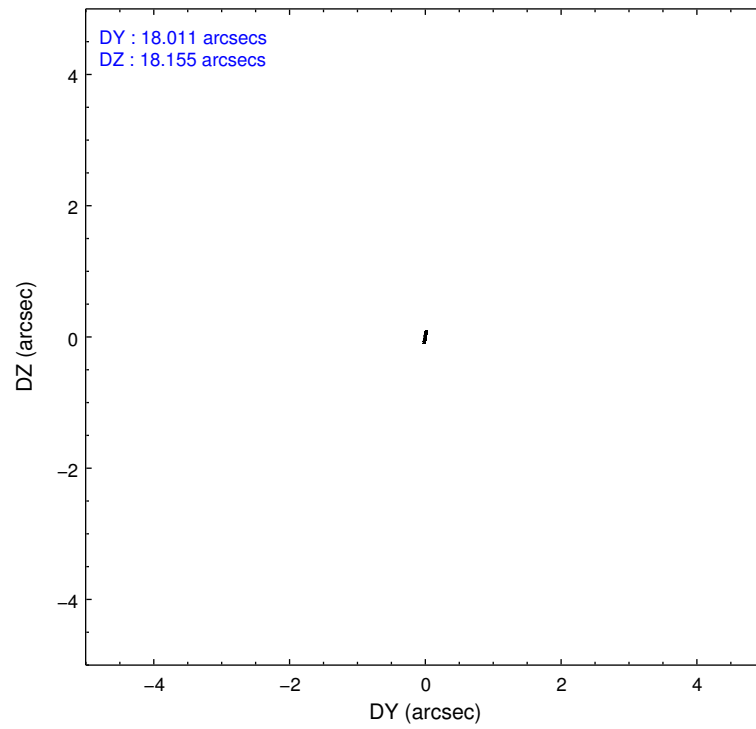
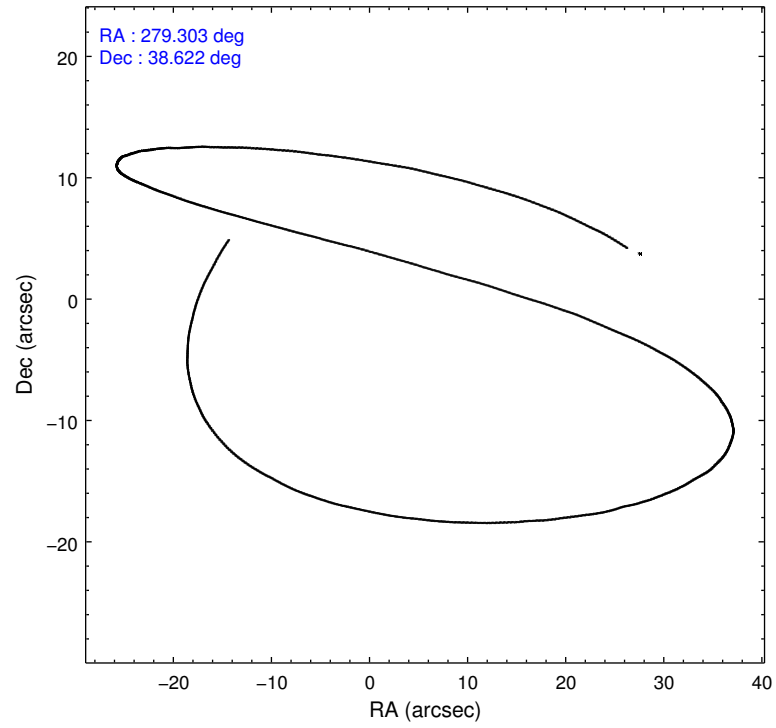
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	6219	261890	1276
rejected events	6121	48847	1276
rejected %	98%	18%	100%

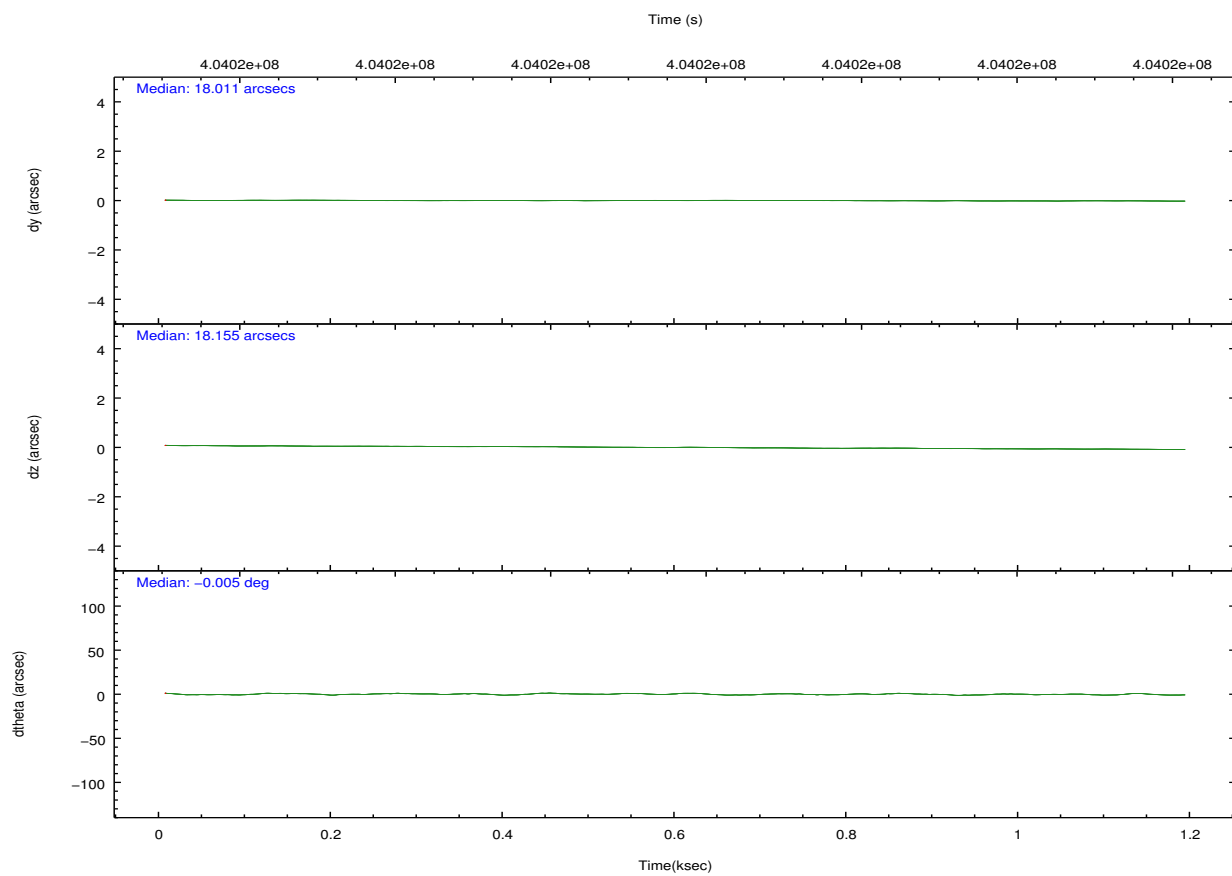
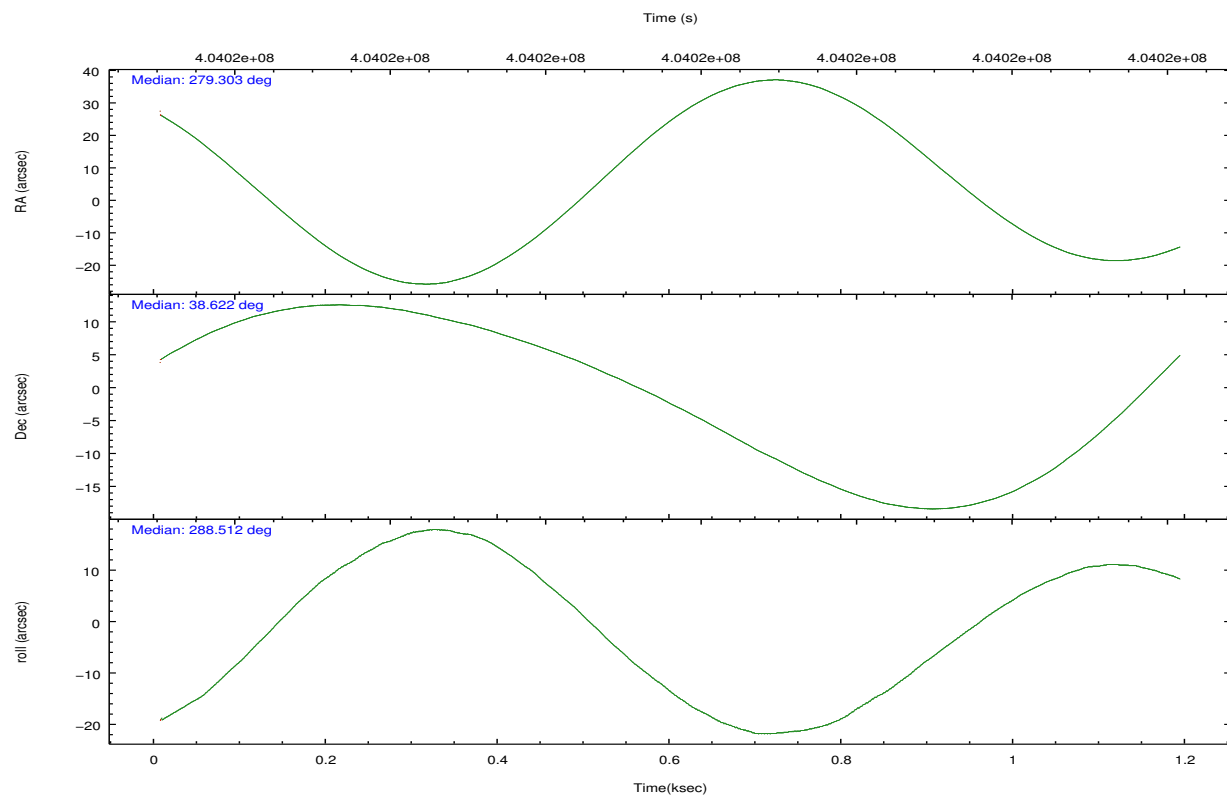
## 2.2 Compared Parameters

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	279.275814	279.3036201603705
[deg] Pointing Dec	38.639077	38.62106019159317
[deg] Pointing Roll	288.470775	288.520739129024
[s] Window start time (MET)	399686466.184000	399686466.184000
[s] Window stop time (MET)	407462466.184000	407462466.184000
[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)	404016164.184000	404015787.85242
Observation start date	2010-10-21T02:41:38	2010-10-21T02:36:27
[s] Observation end time (MET)	404017164.184000	404017298.19
Observation end date	2010-10-21T02:58:18	2010-10-21T03:01:38

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

## 2.3 Aspect





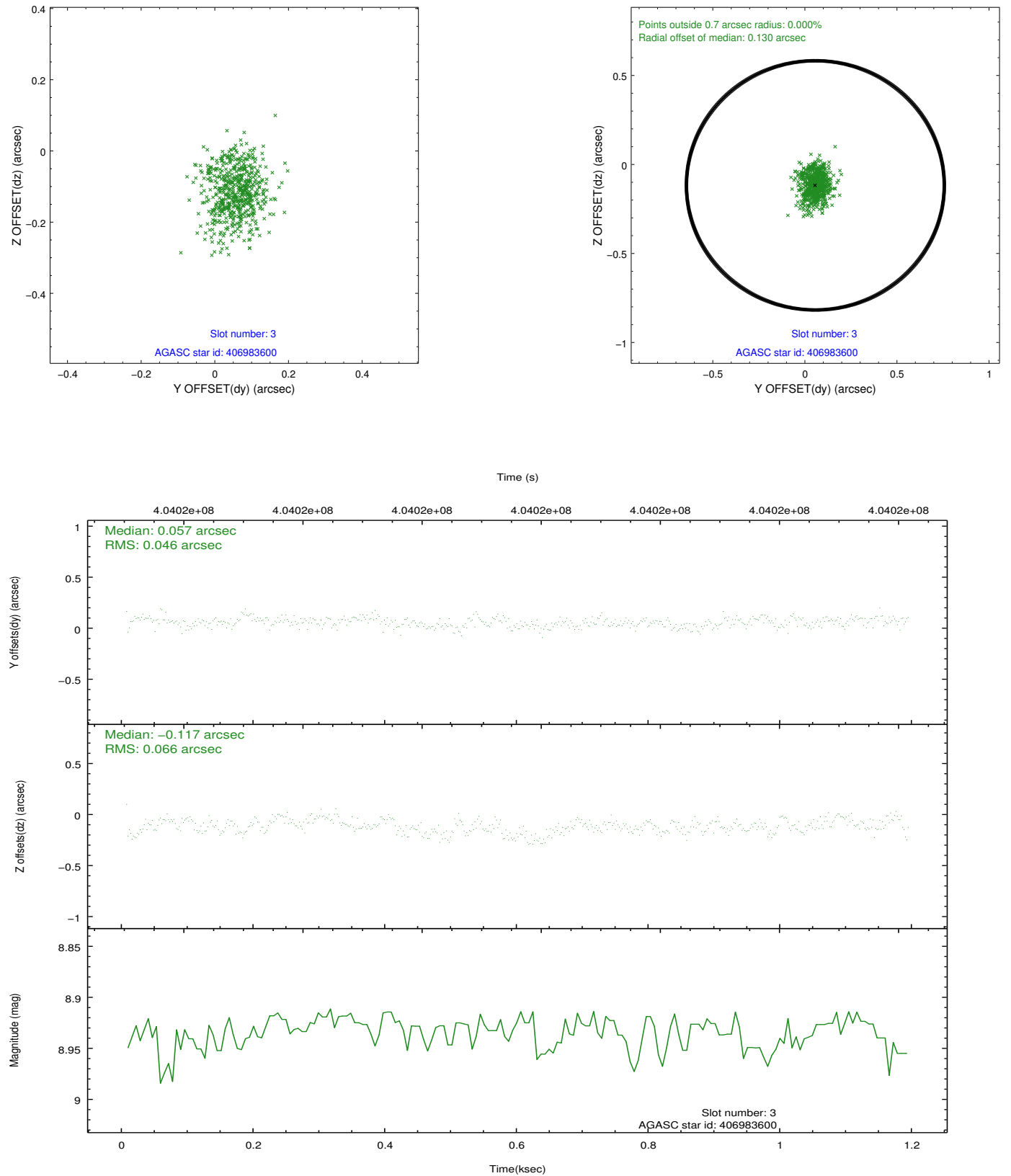
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.00	290	0.065	-0.184	0.006	0.011	0.000000	0.000000	-1172.48	-467.15
1	FID	HRC-S-2	6.98	290	0.213	-0.108	0.005	0.010	0.000000	0.000000	1223.28	-461.28
2	FID	HRC-S-3	7.01	290	0.113	-0.011	0.007	0.011	0.000000	0.000000	-1170.96	560.95
3	GUIDE	406983600	8.93	580	0.057	-0.117	0.086	0.140	279.940957	39.020708	-718.43	2205.02
4	GUIDE	406985120	7.44	580	-0.024	-0.032	0.085	0.136	278.839732	38.894839	-1263.46	-860.04
5	GUIDE	406987384	8.95	580	-0.152	0.037	0.089	0.153	278.815518	38.115336	1371.04	-1831.47
6	GUIDE	406989616	8.23	580	0.022	0.071	0.081	0.125	279.202881	38.520843	341.83	-330.01
7	GUIDE	406993992	7.65	579	0.092	0.048	0.070	0.112	279.053714	38.034587	1865.89	-1283.75

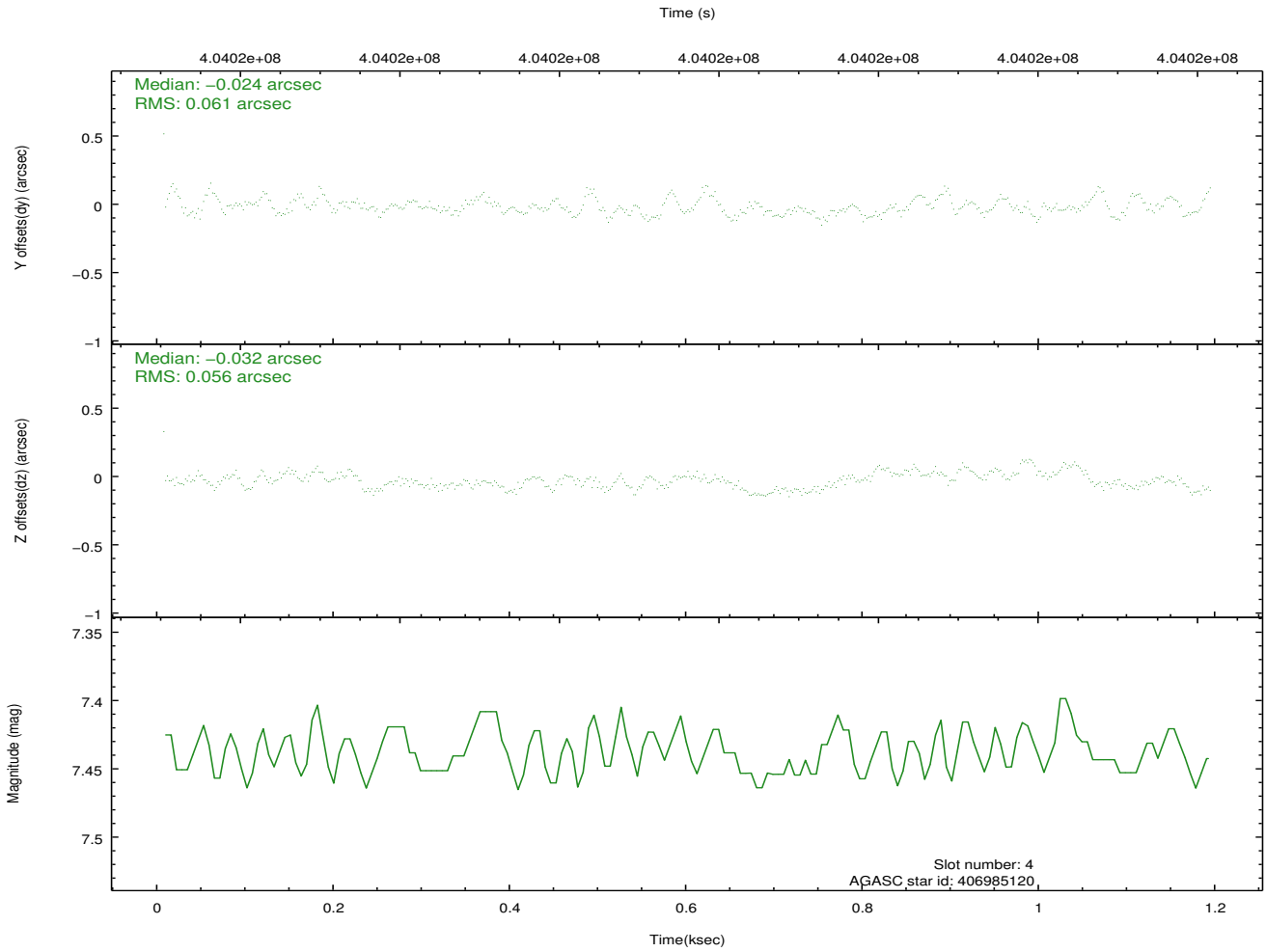
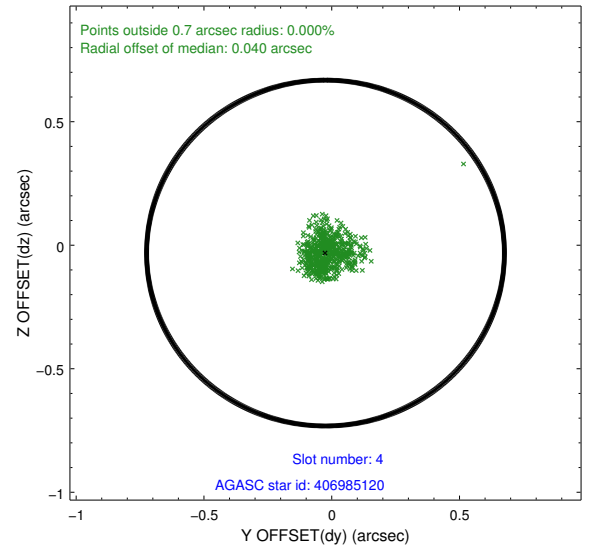
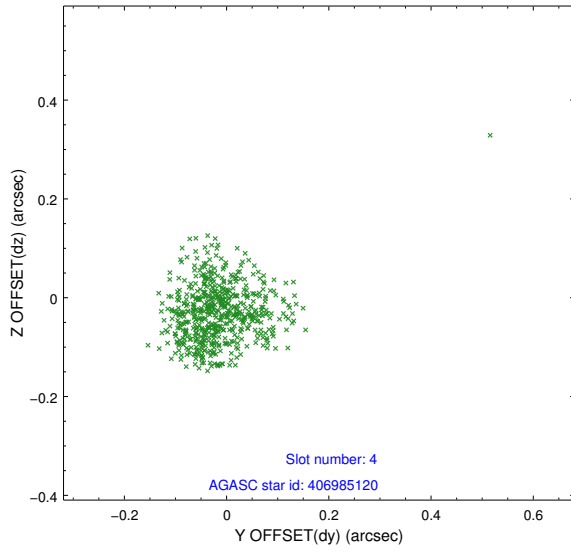


## 2.4 Star Slots

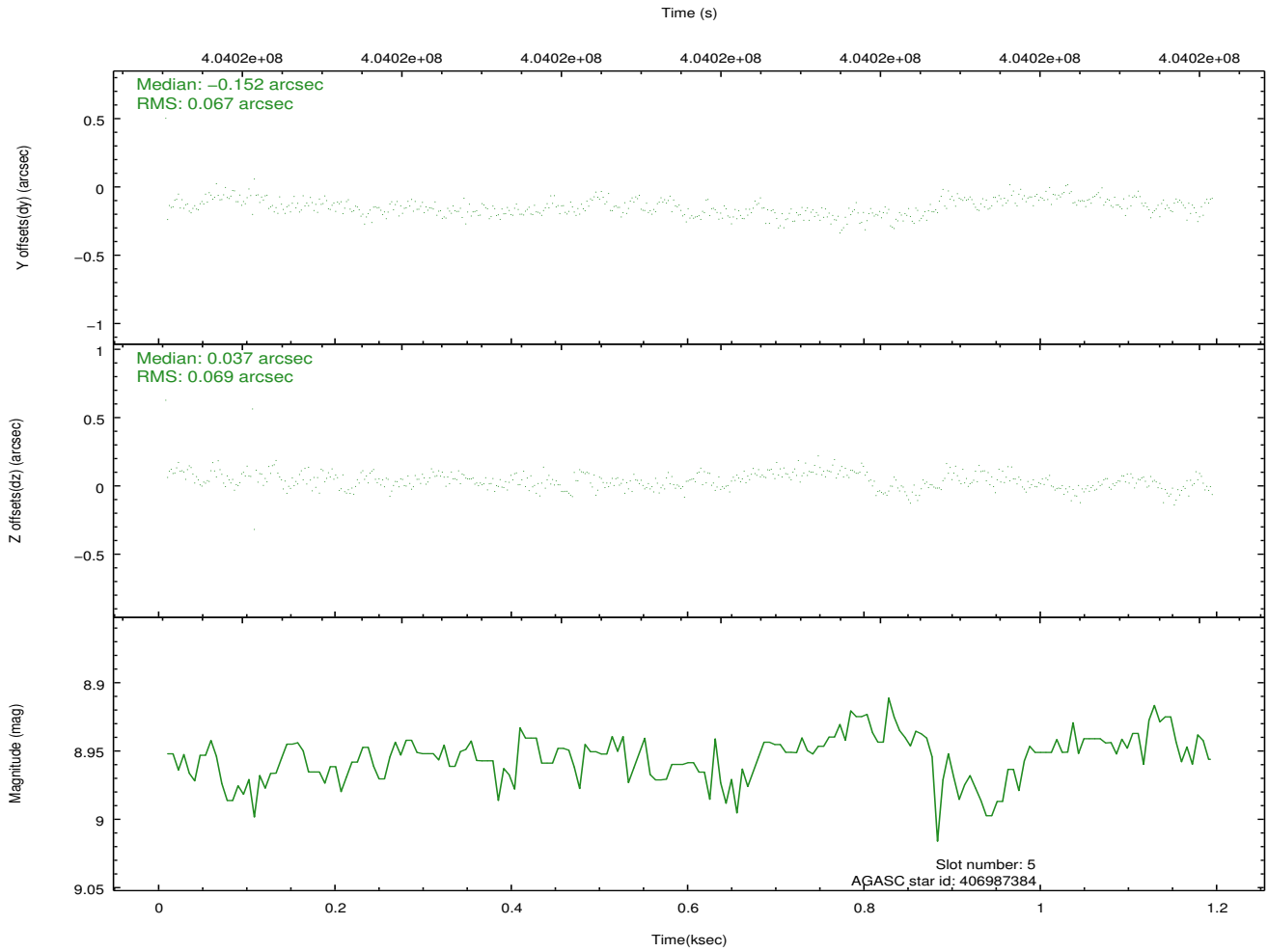
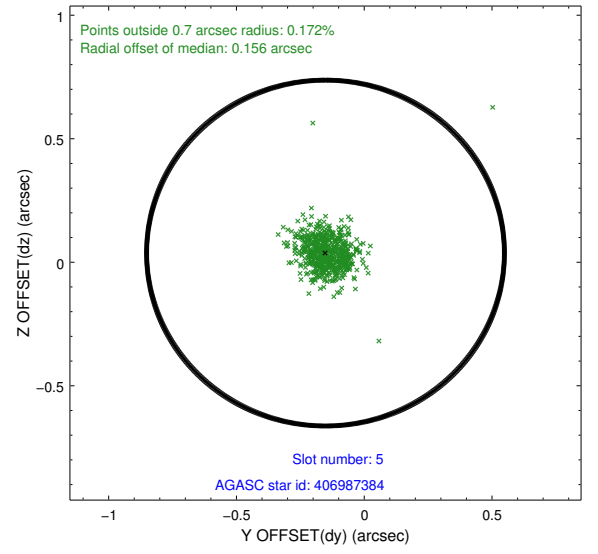
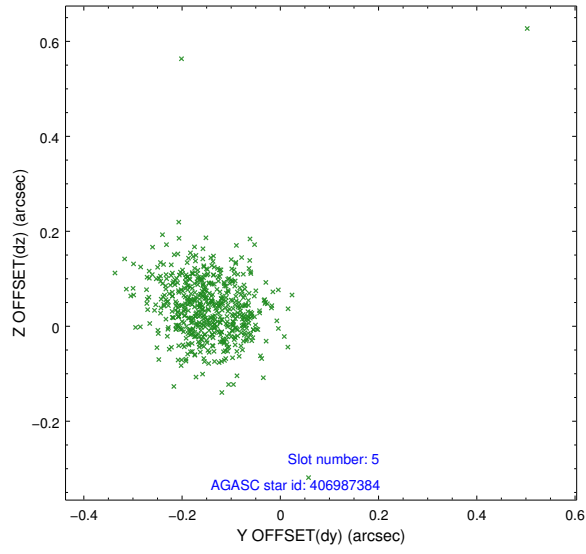
### 2.4.1 Slot 3



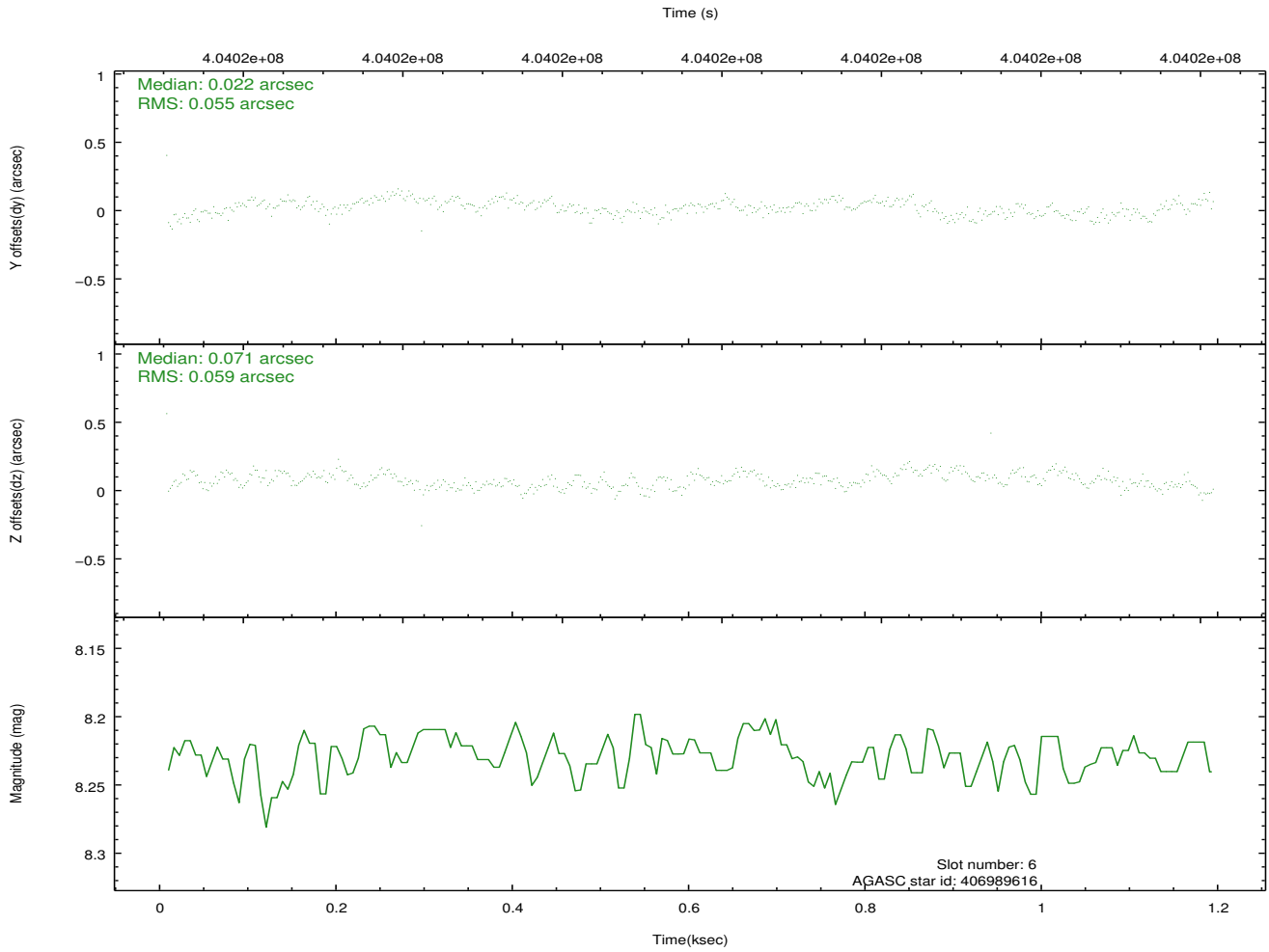
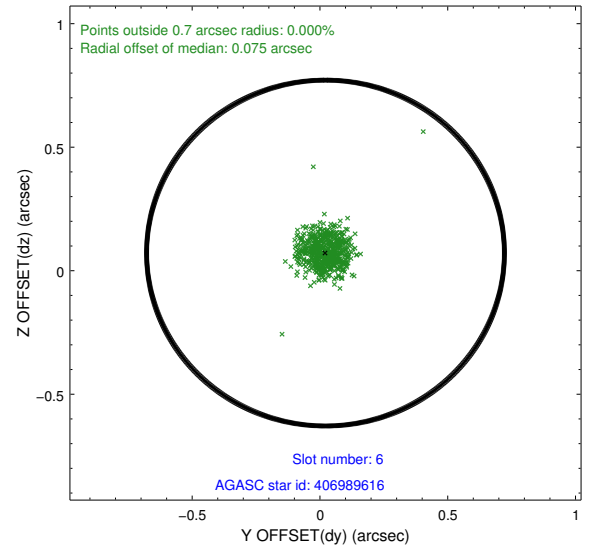
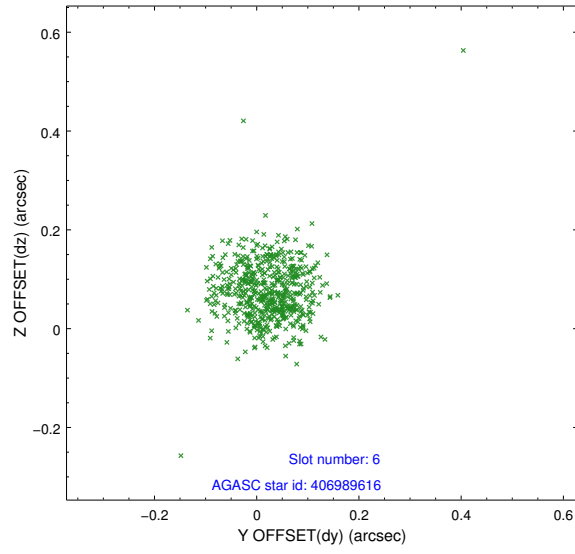
## 2.4.2 Slot 4



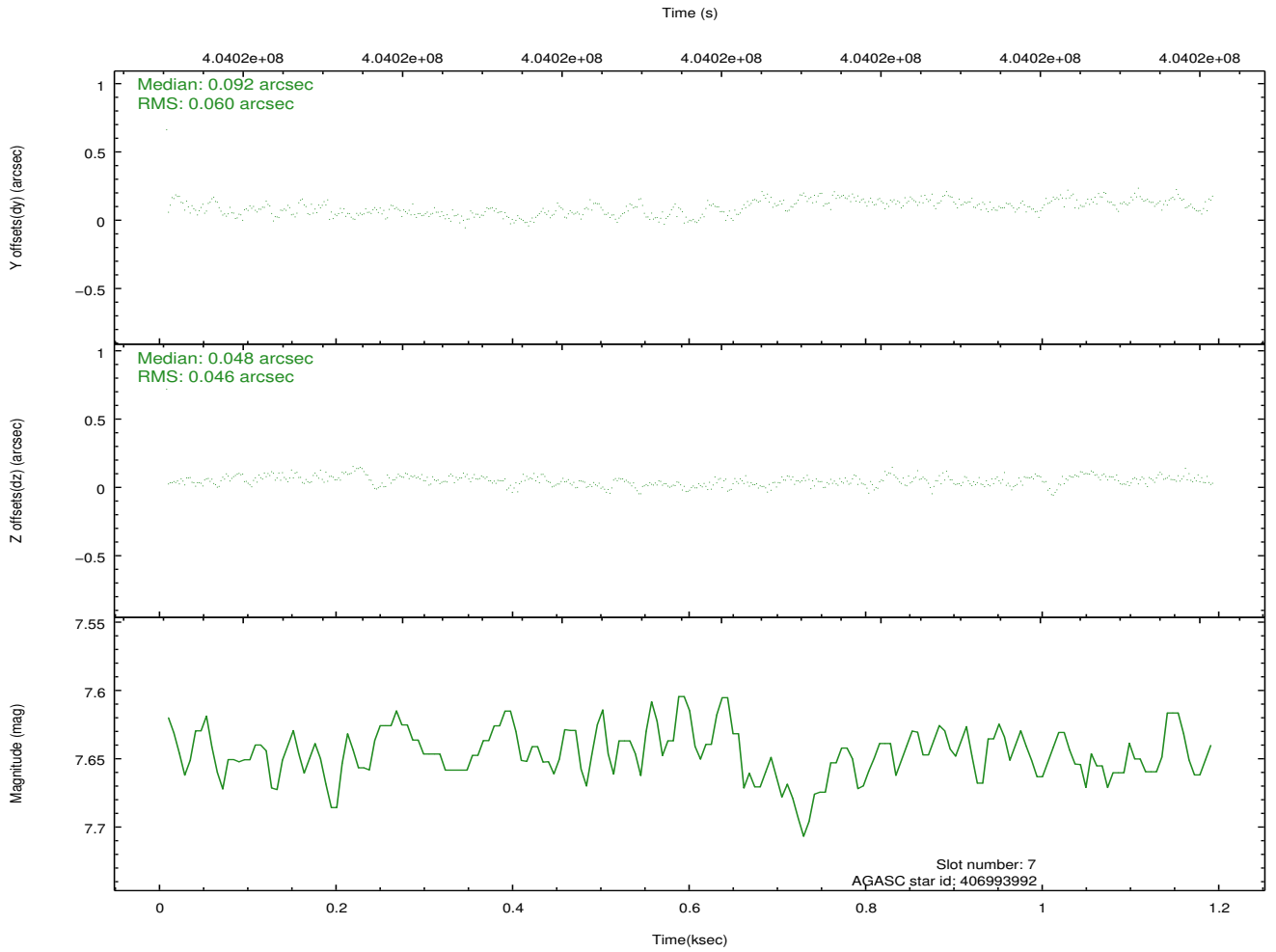
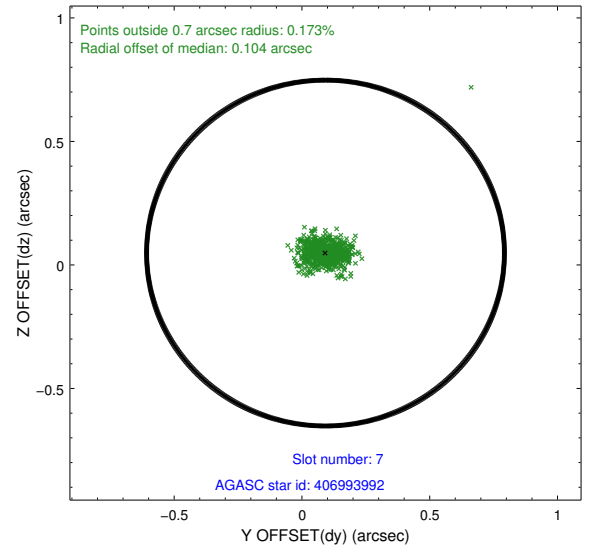
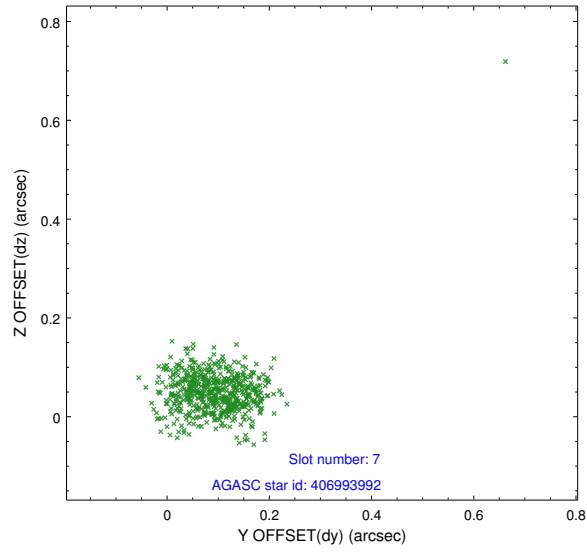
### 2.4.3 Slot 5



## 2.4.4 Slot 6

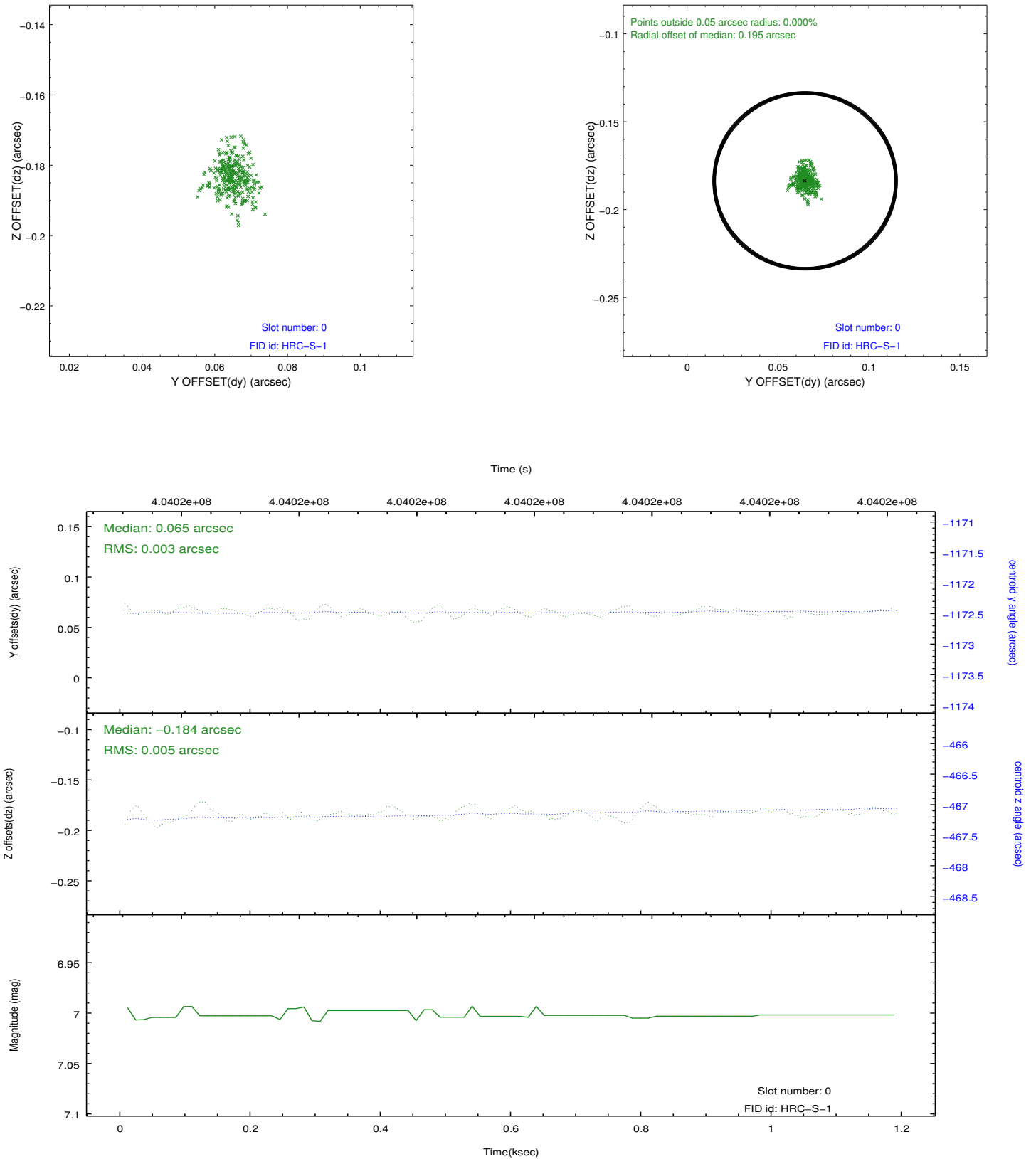


## 2.4.5 Slot 7

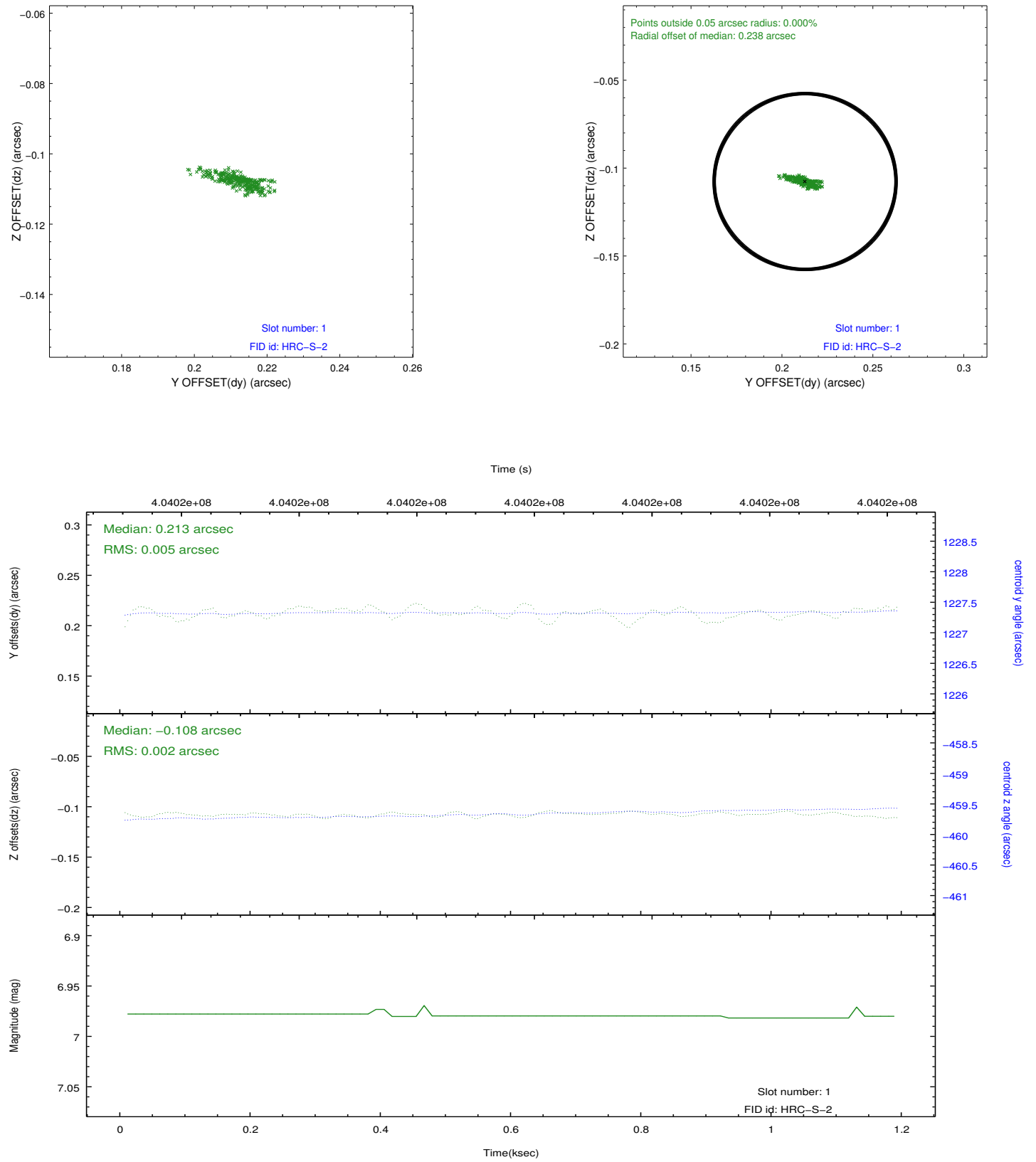


## 2.5 FID Slots

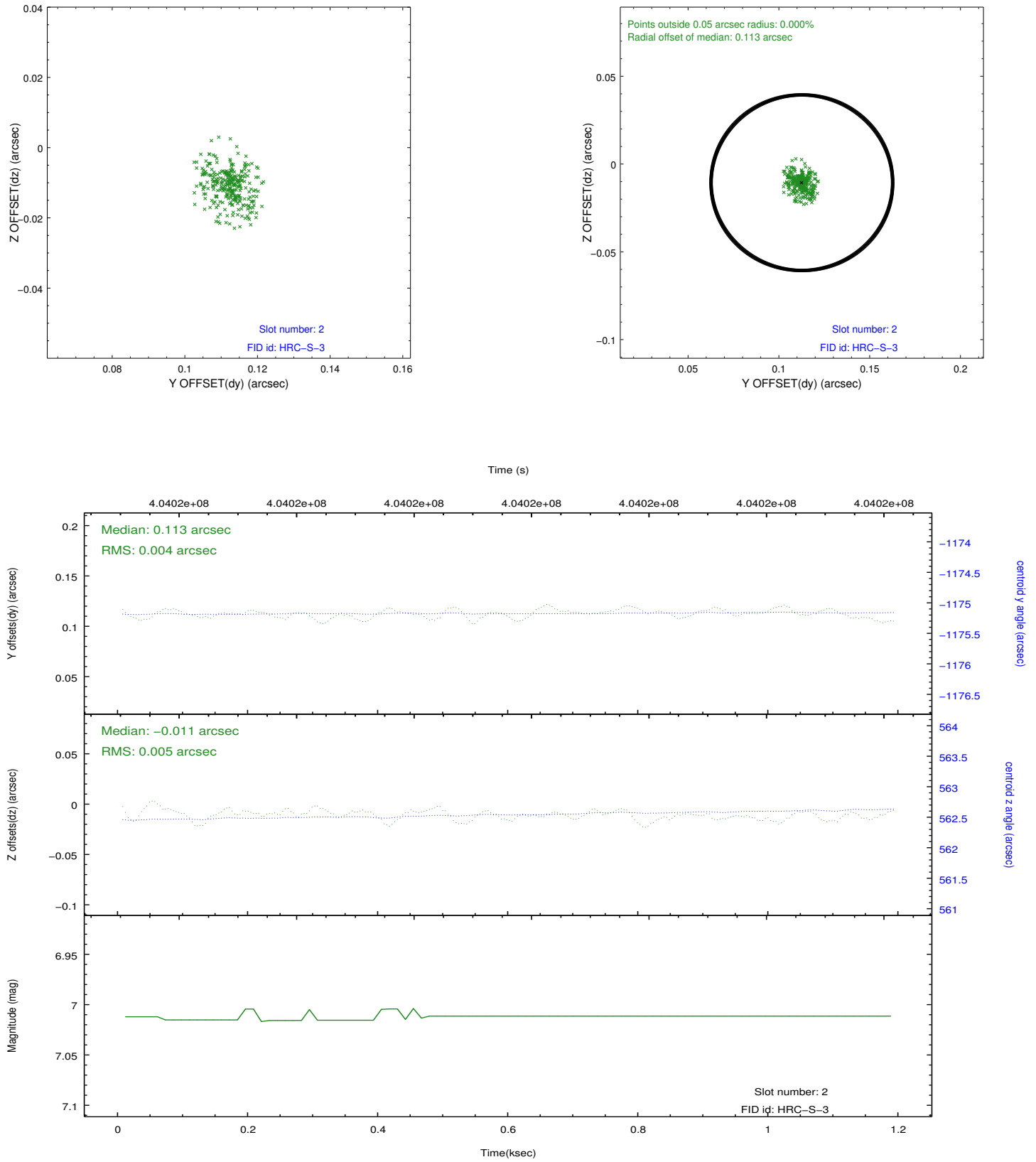
### 2.5.1 Slot 0



## 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)	2012.07.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.155431309402

### A.2 Comments

Window preference met.