

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11948 - L2 Version 2  
Chandra X-Ray Center

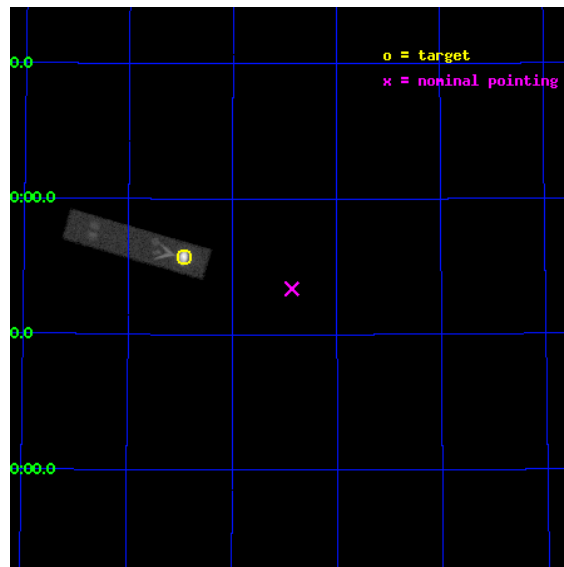
L2 Processing Date : Jun 29 2012

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# 1 Front

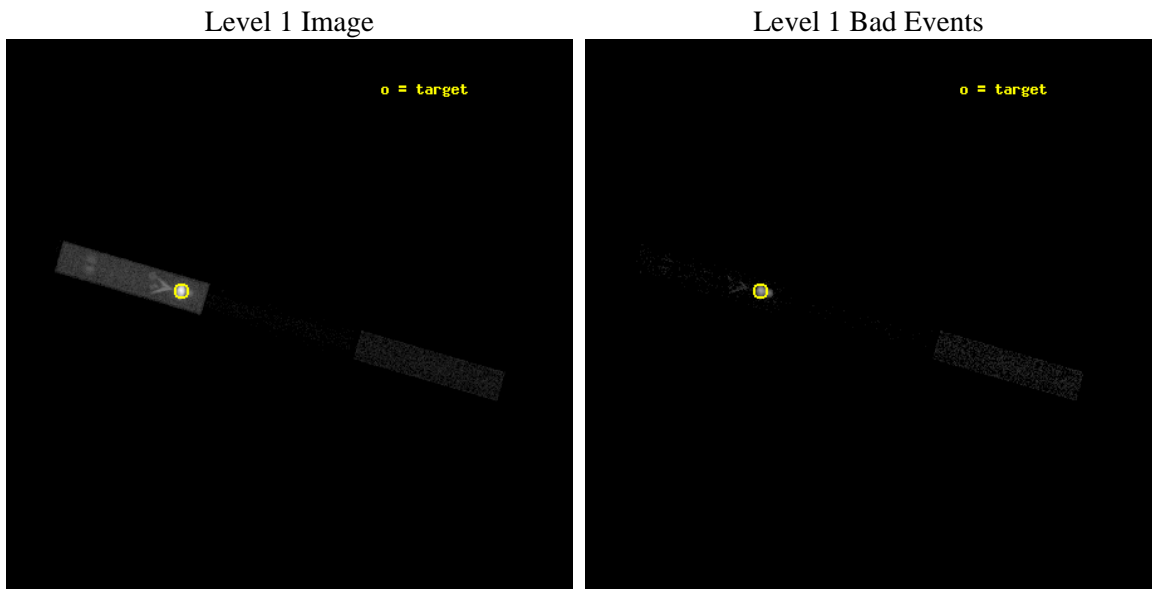
seq_num	290937	Sequence number
obs_id	11948	Observation id
title	AO-11 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	278.71521958487	Nominal RA [deg]
dec_nom	38.669850477145	Nominal Dec [deg]
roll_nom	196.04563414496	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1180.0313103199	[s]
livetime	459.06236457433	Ontime multiplied by DTCOR
l2events	209497	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	1180.0313103199	[s]
caldbver	4.5.0	&#160	l1events	269251	Number of level 1 events
date	2012-06-30T01:56:14	Date and time of file creation			
revision	2	Processing version of data			

### 2.1.3 Events

Level 1 Events

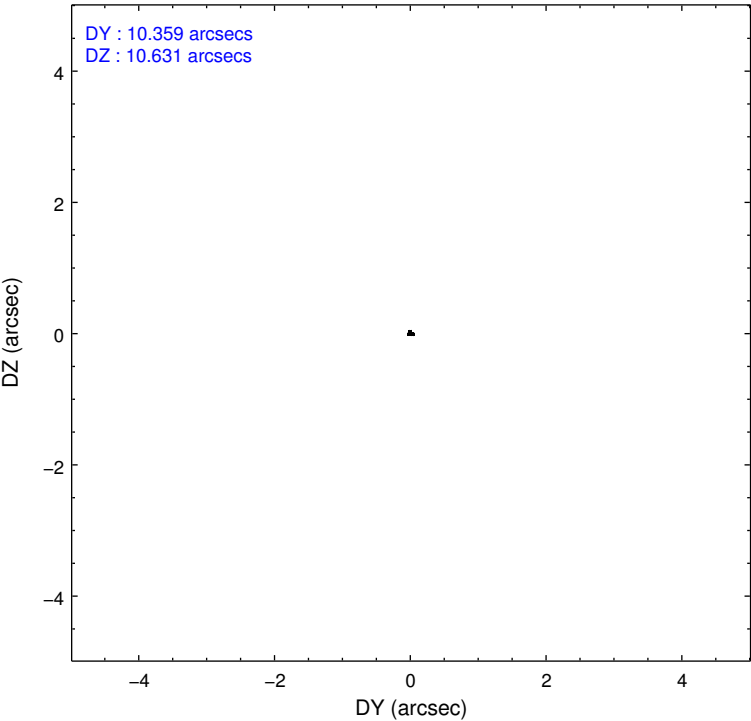
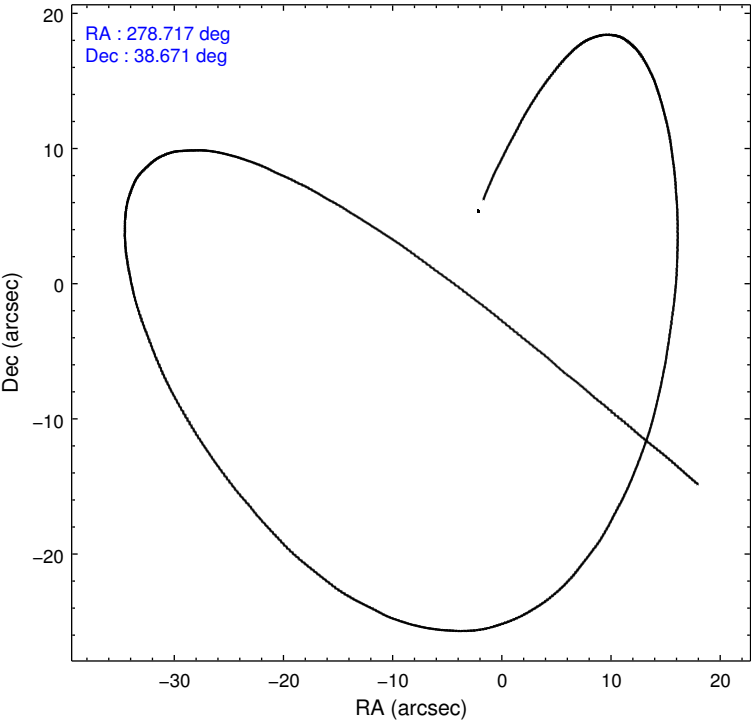
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	262983	389	5879
rejected events	45409	378	5802
rejected %	17%	97%	98%

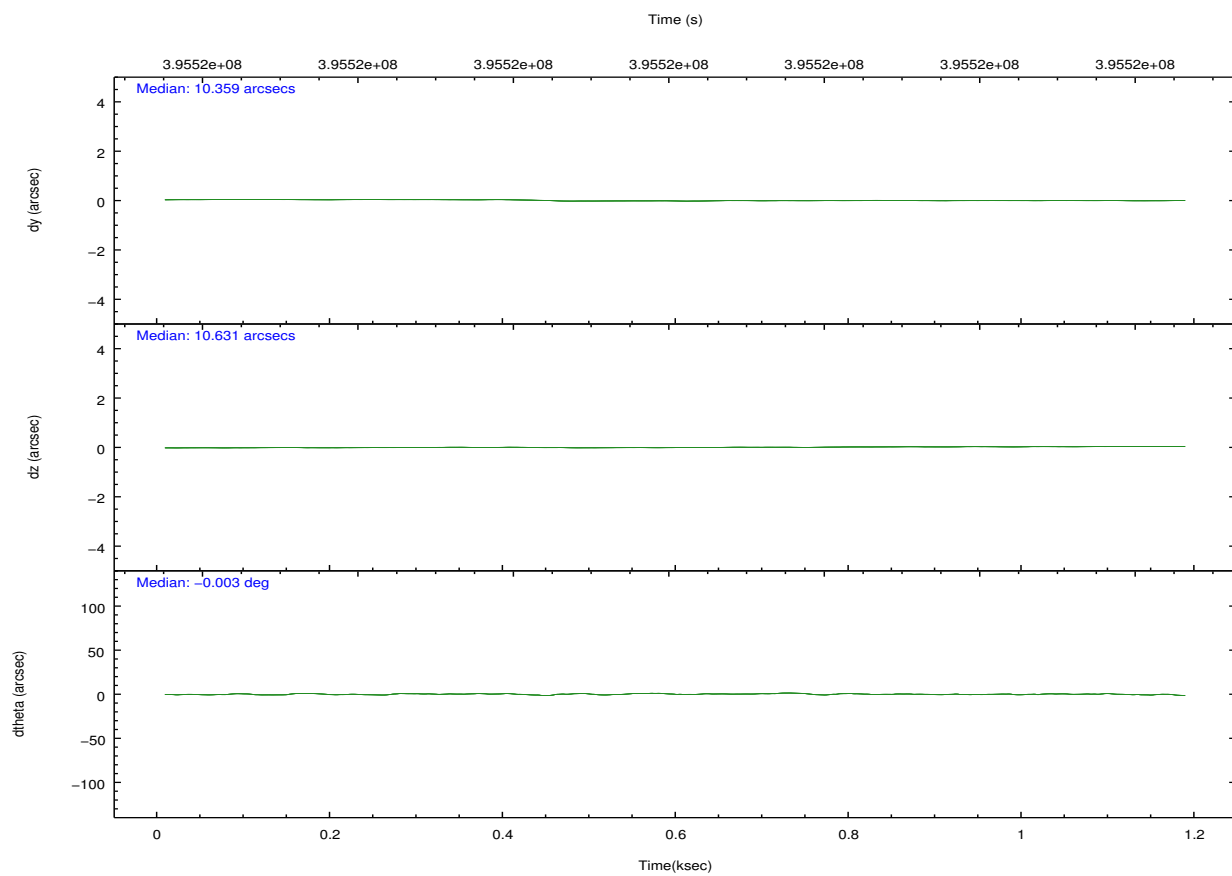
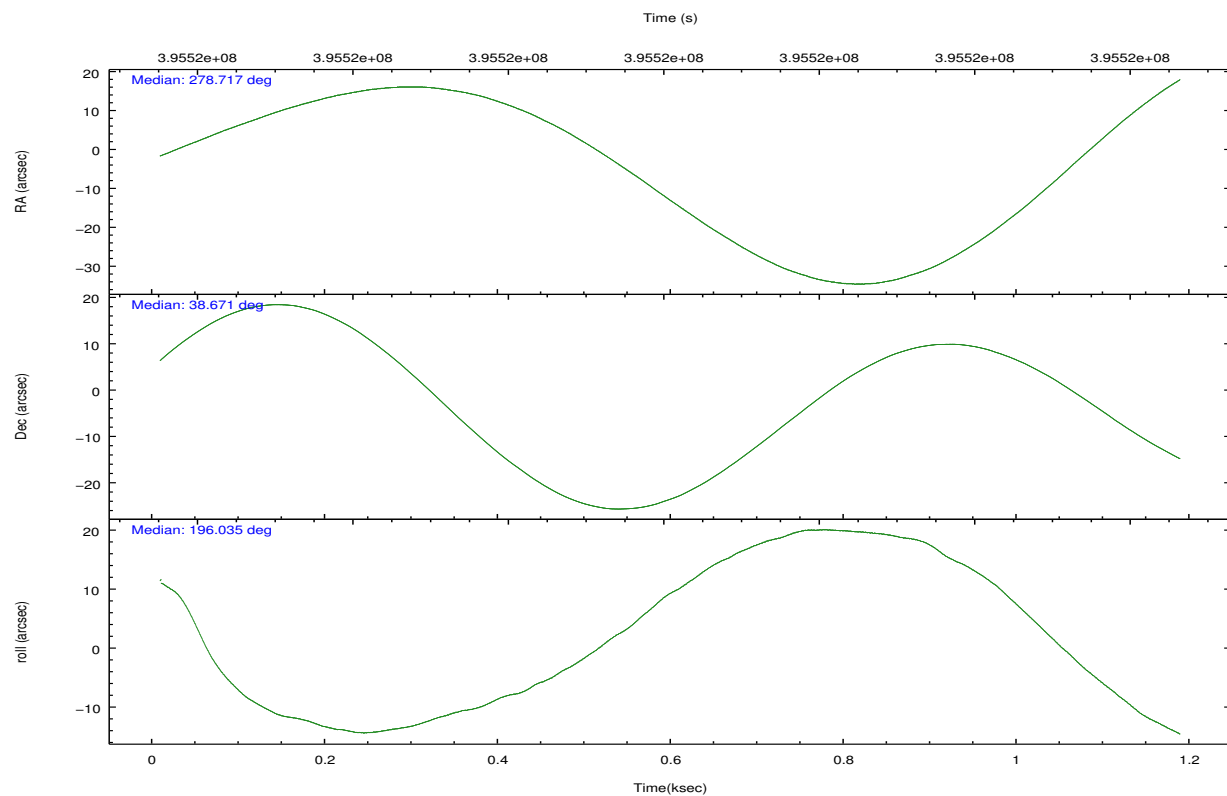
## 2.2 Compared Parameters

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	278.739413	278.7152195848655
[deg] Pointing Dec	38.690609	38.66985047714474
[deg] Pointing Roll	195.963114	196.0456341449643
[s] Window start time (MET)	391737666.184000	391737666.184000
[s] Window stop time (MET)	399600066.184000	399600066.184000
[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)	395522207.184000	395521830.74198
Observation start date	2010-07-14T19:15:41	2010-07-14T19:10:30
[s] Observation end time (MET)	395523207.184000	395523342.10456
Observation end date	2010-07-14T19:32:21	2010-07-14T19:35:42

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

2.3 Aspect





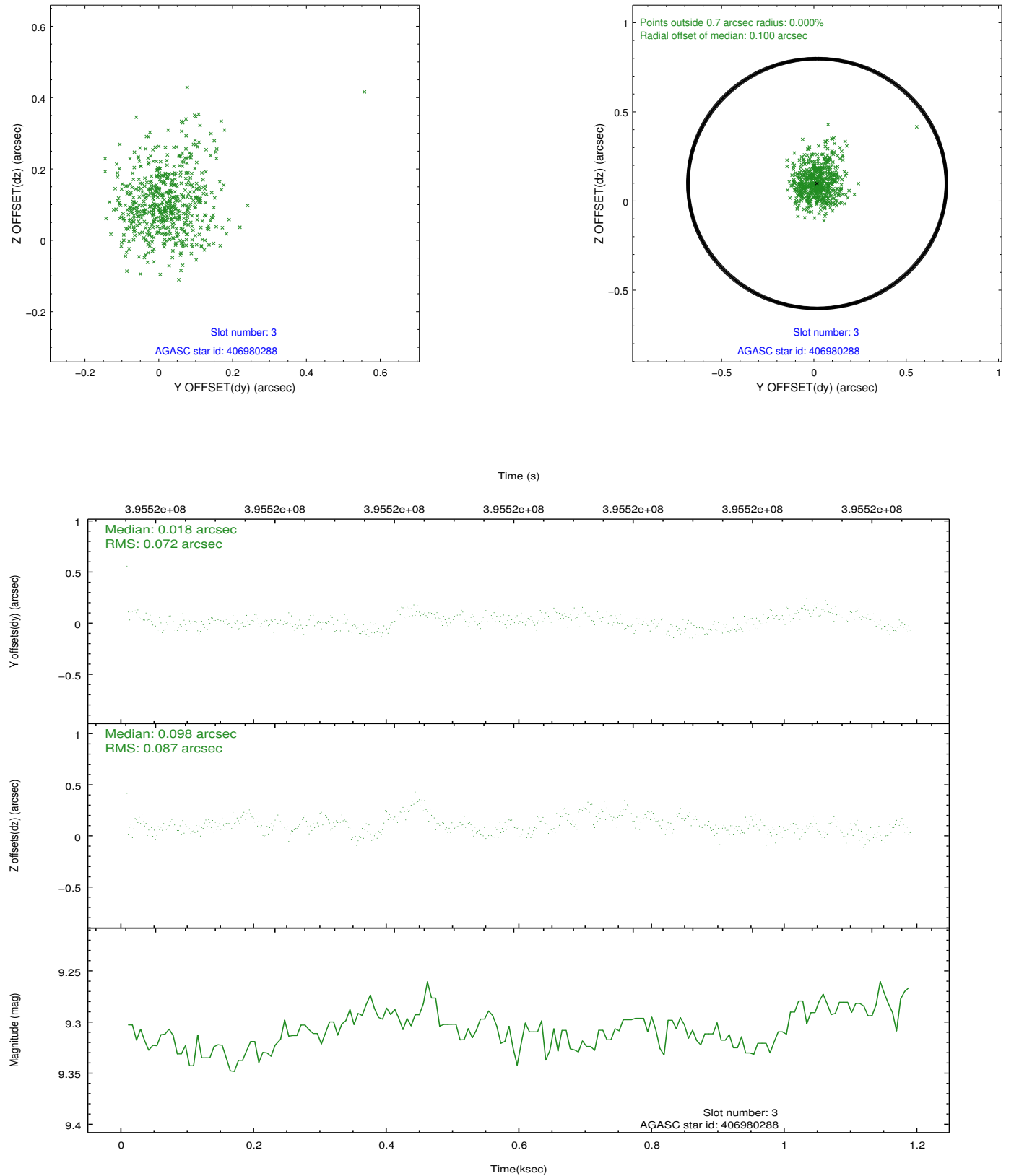
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	288	0.075	-0.169	0.006	0.010	0.000000	0.000000	-1164.66	-459.34
1	FID	HRC-S-2	6.97	288	0.231	-0.120	0.005	0.009	0.000000	0.000000	1231.11	-453.56
2	FID	HRC-S-3	7.00	288	0.083	-0.013	0.007	0.011	0.000000	0.000000	-1163.08	568.76
3	GUIDE	406980288	9.31	576	0.018	0.098	0.114	0.199	278.903147	39.061646	-808.45	-1157.61
4	GUIDE	406985120	7.43	577	0.162	0.138	0.088	0.139	278.839732	38.894839	-472.42	-628.47
5	GUIDE	406987272	6.92	577	-0.150	-0.125	0.063	0.117	278.536588	38.437504	800.54	719.66
6	GUIDE	406987384	8.96	577	-0.087	-0.161	0.097	0.160	278.815518	38.115336	364.43	2054.68
7	GUIDE	406989616	8.23	576	0.055	0.045	0.073	0.123	279.202881	38.520843	-1086.20	950.09

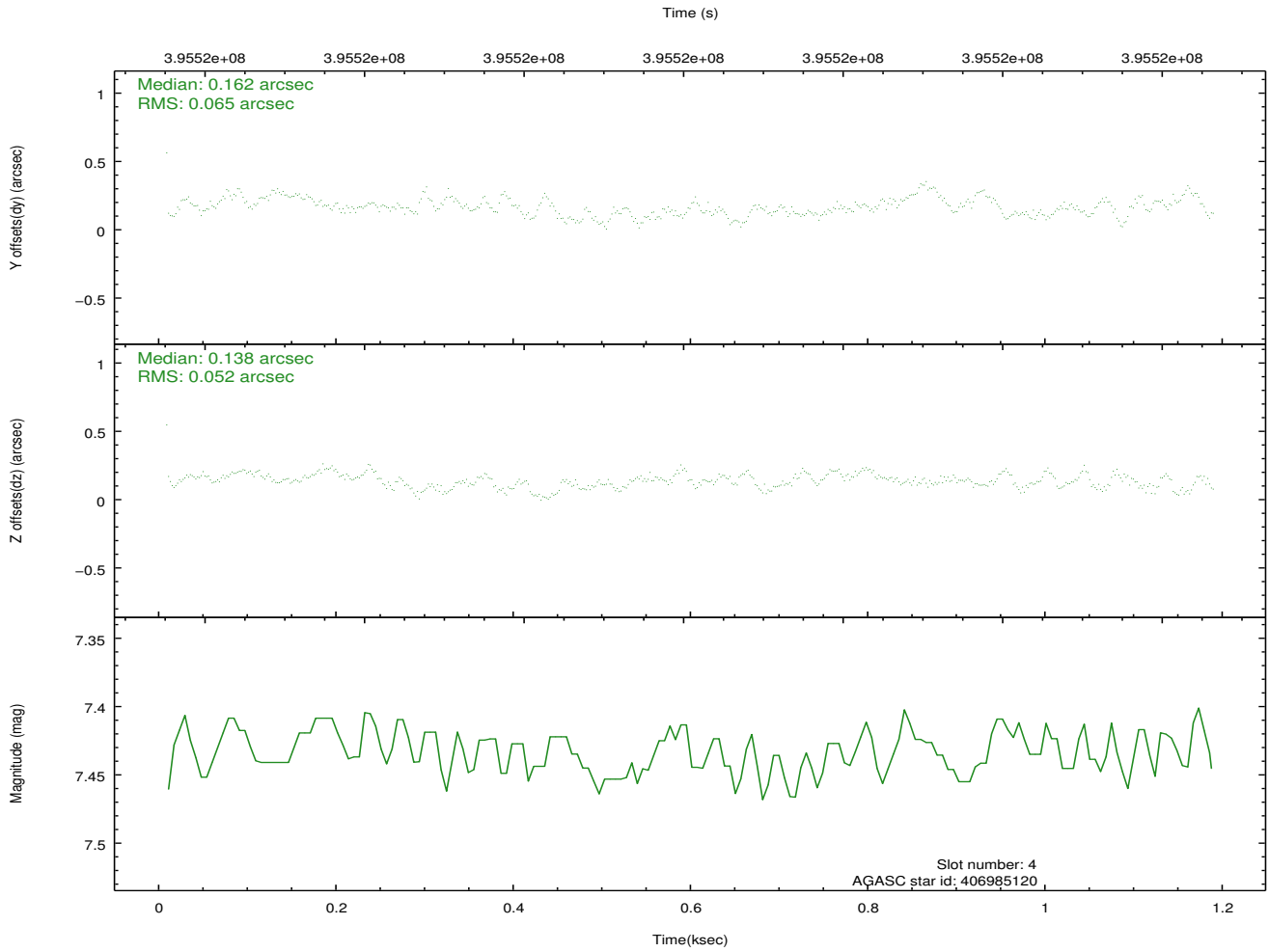
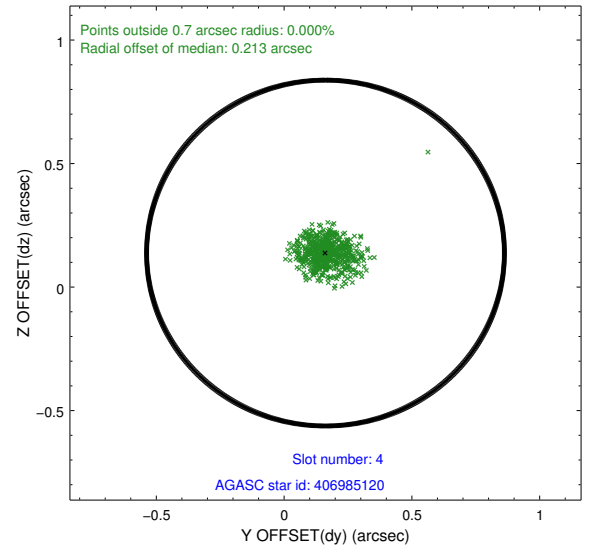
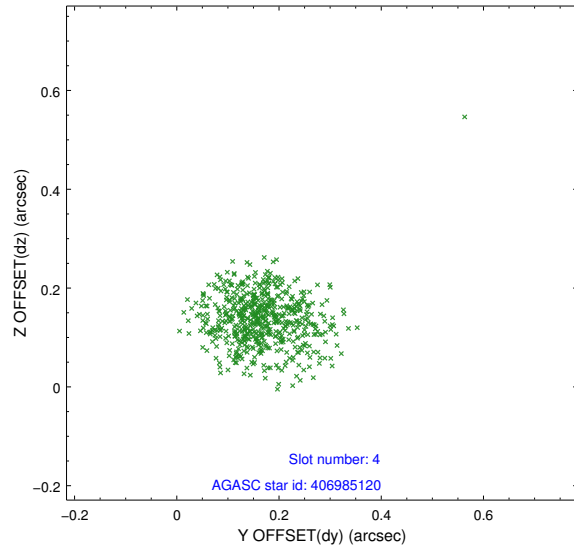


## 2.4 Star Slots

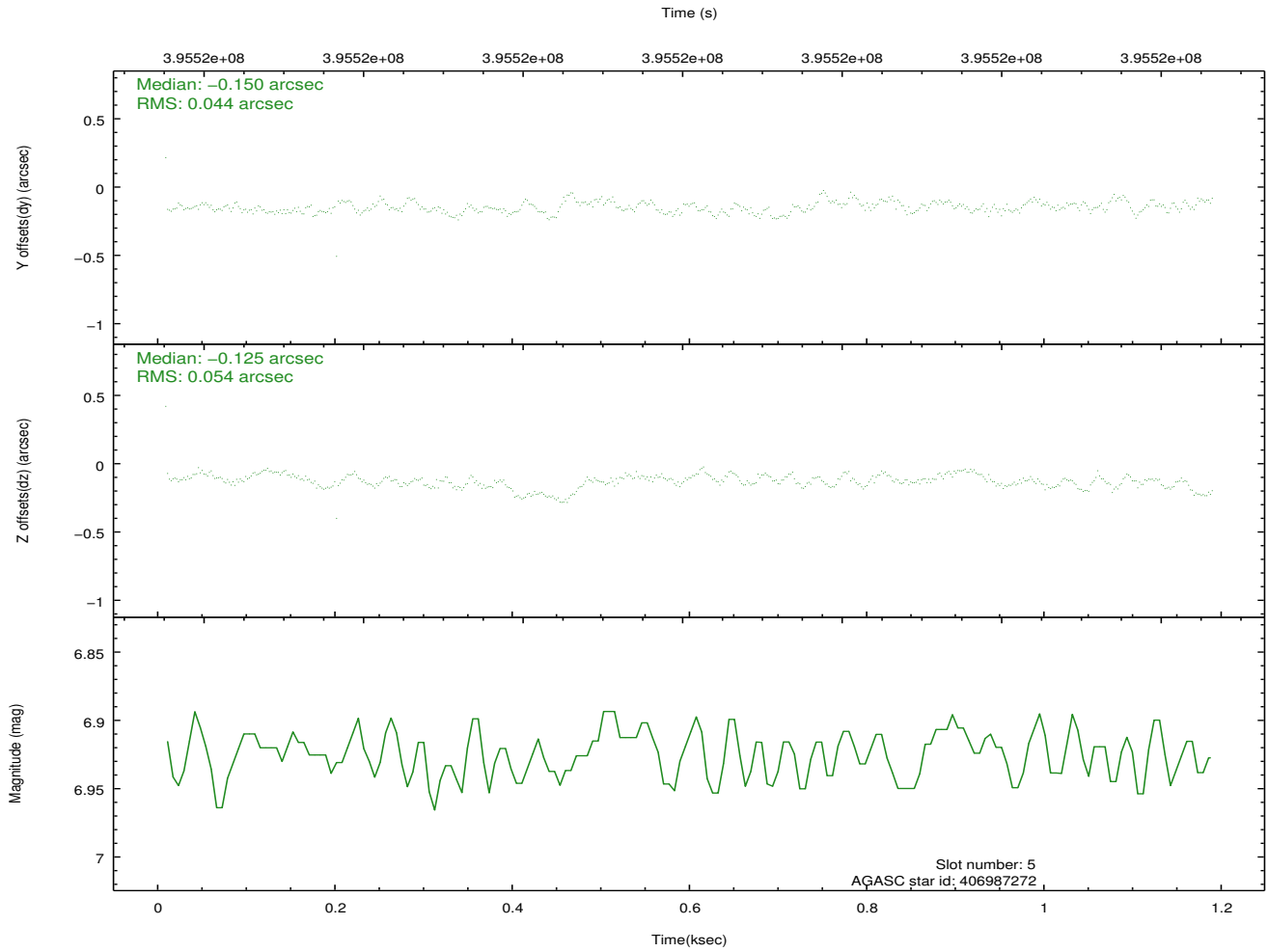
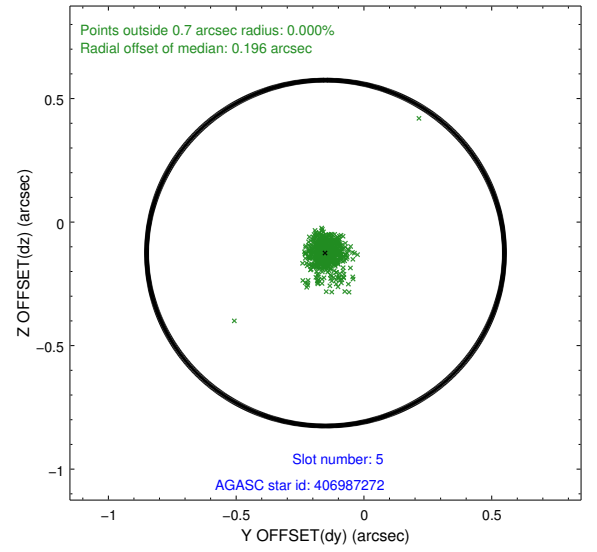
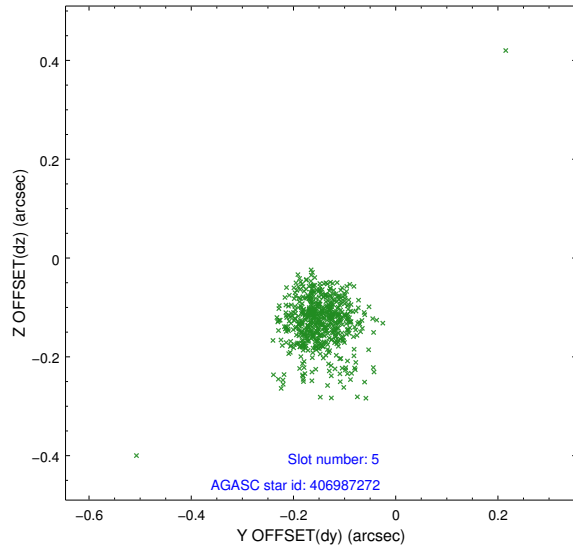
### 2.4.1 Slot 3



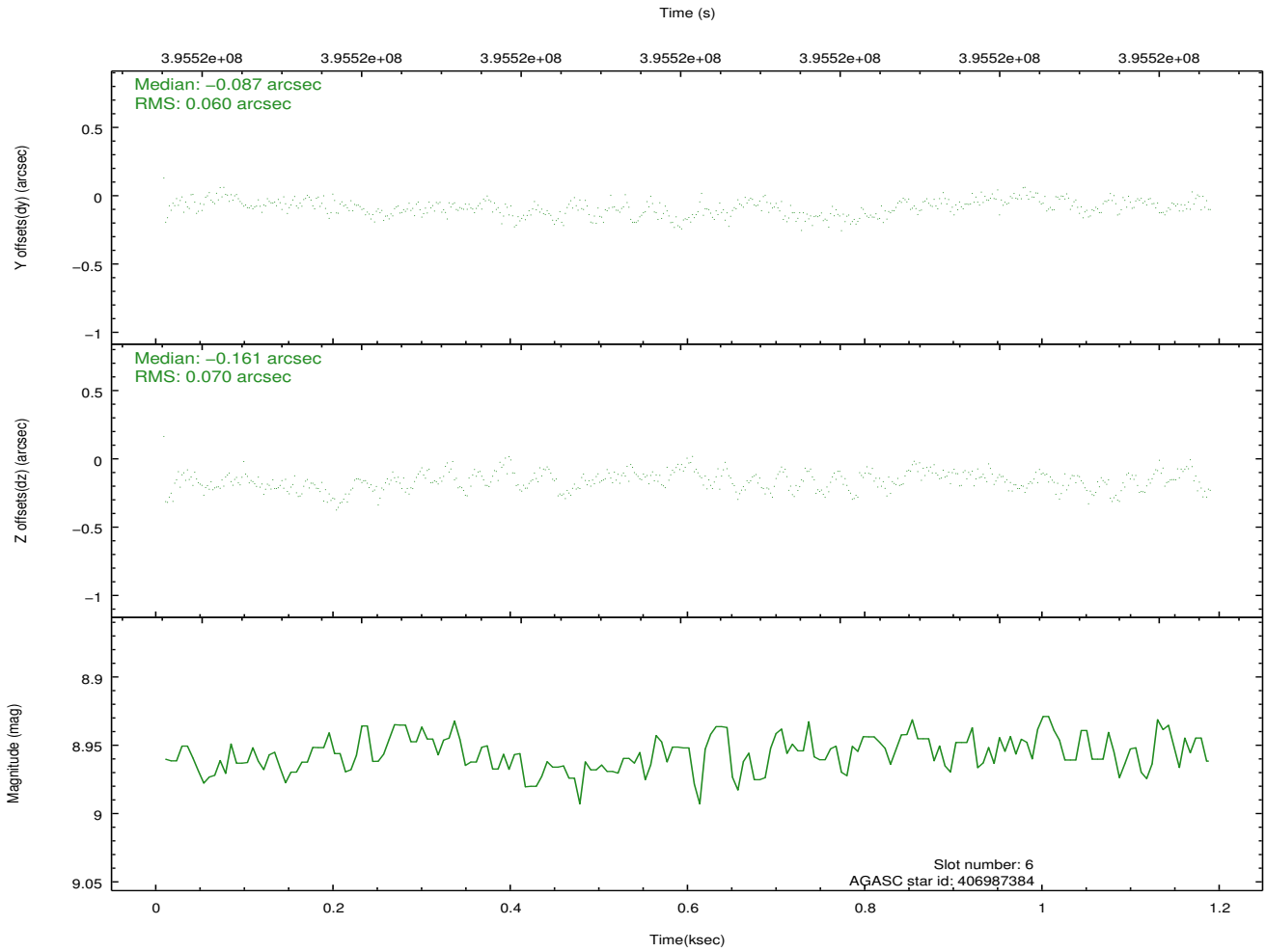
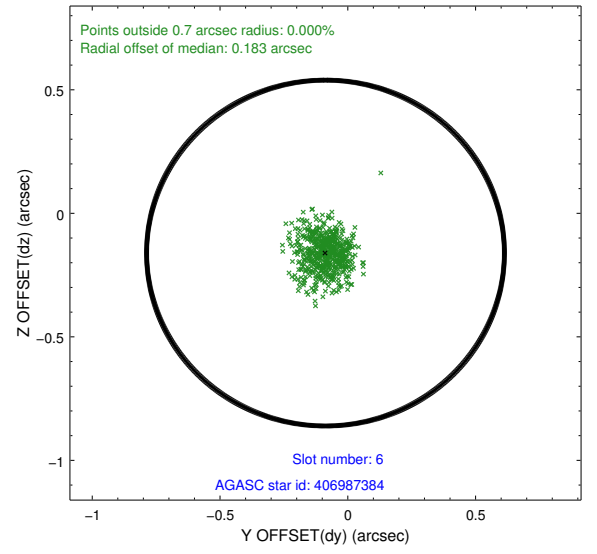
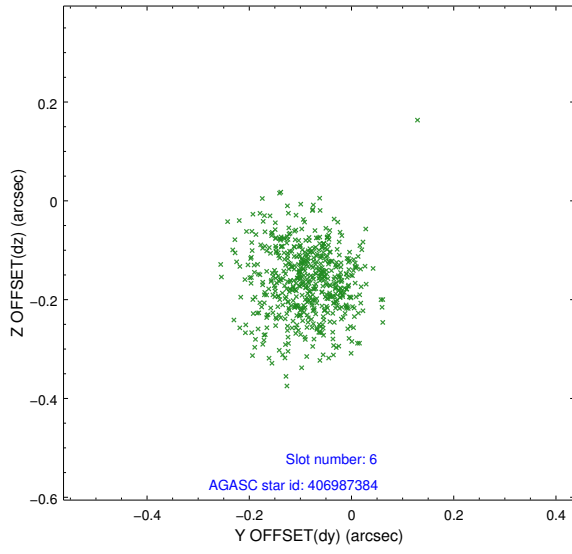
## 2.4.2 Slot 4



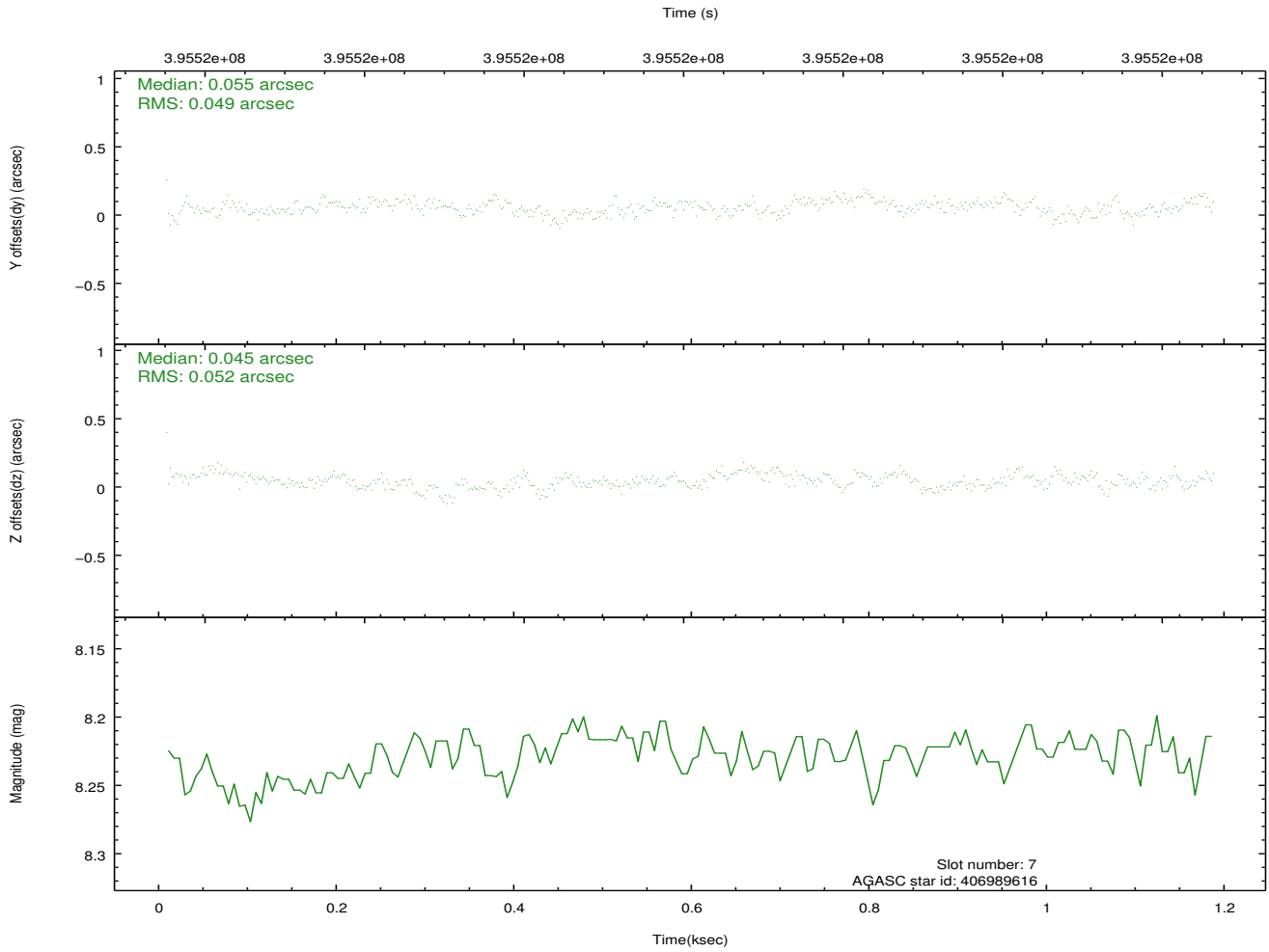
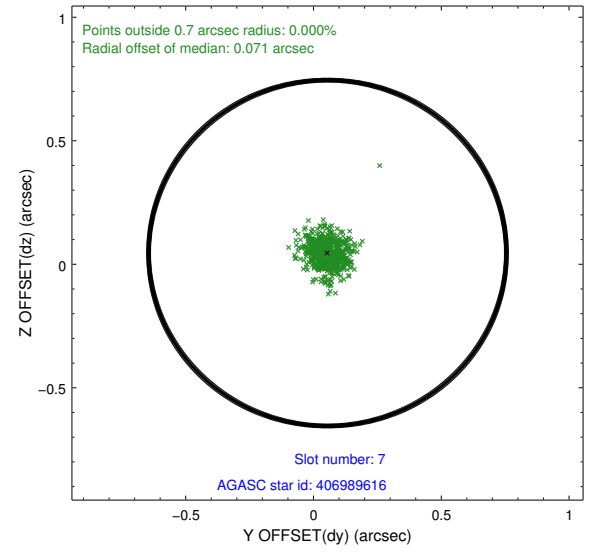
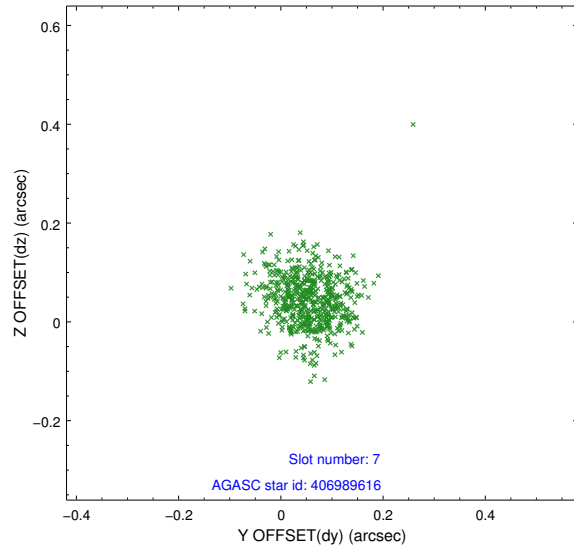
### 2.4.3 Slot 5



## 2.4.4 Slot 6

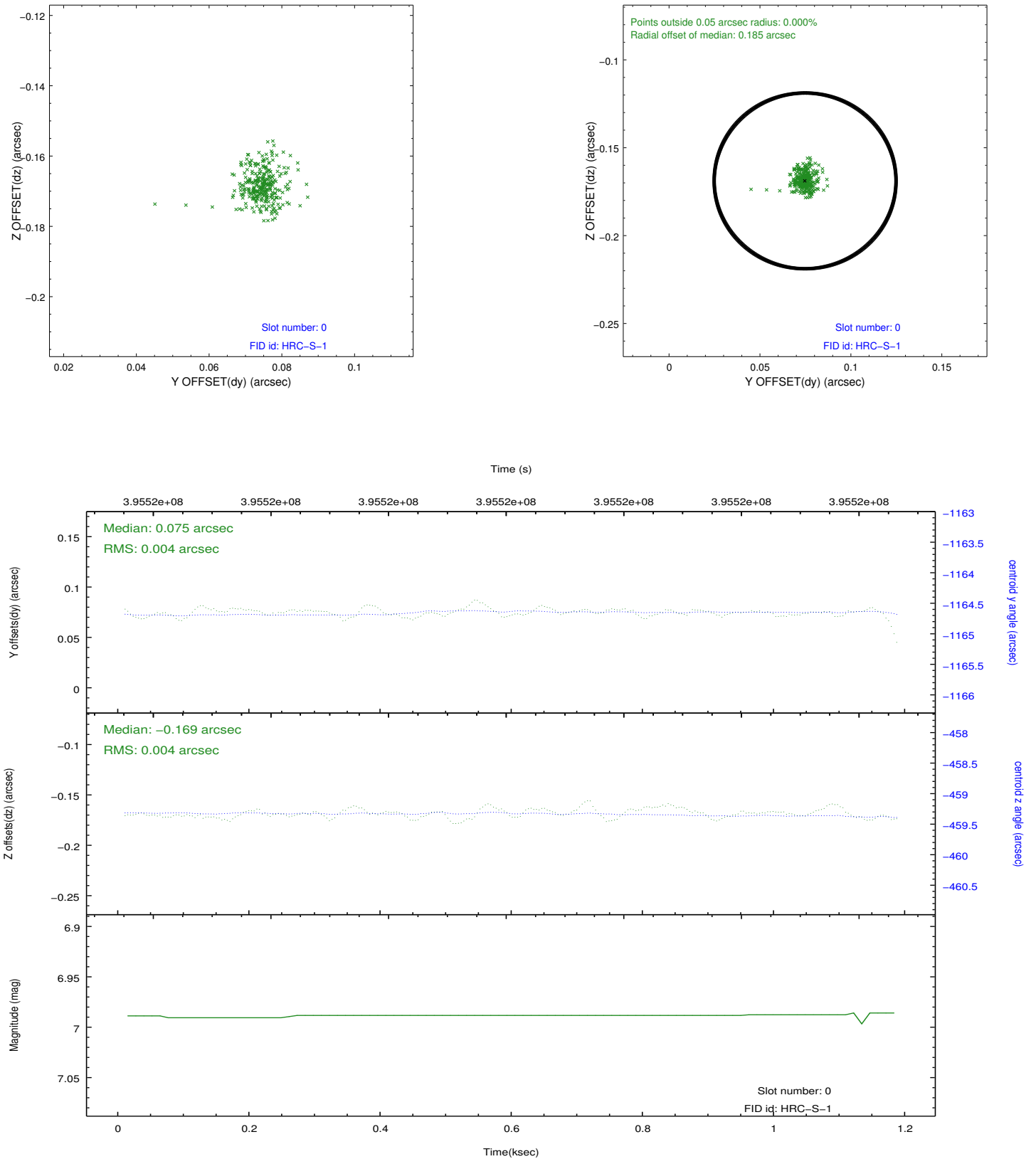


## 2.4.5 Slot 7

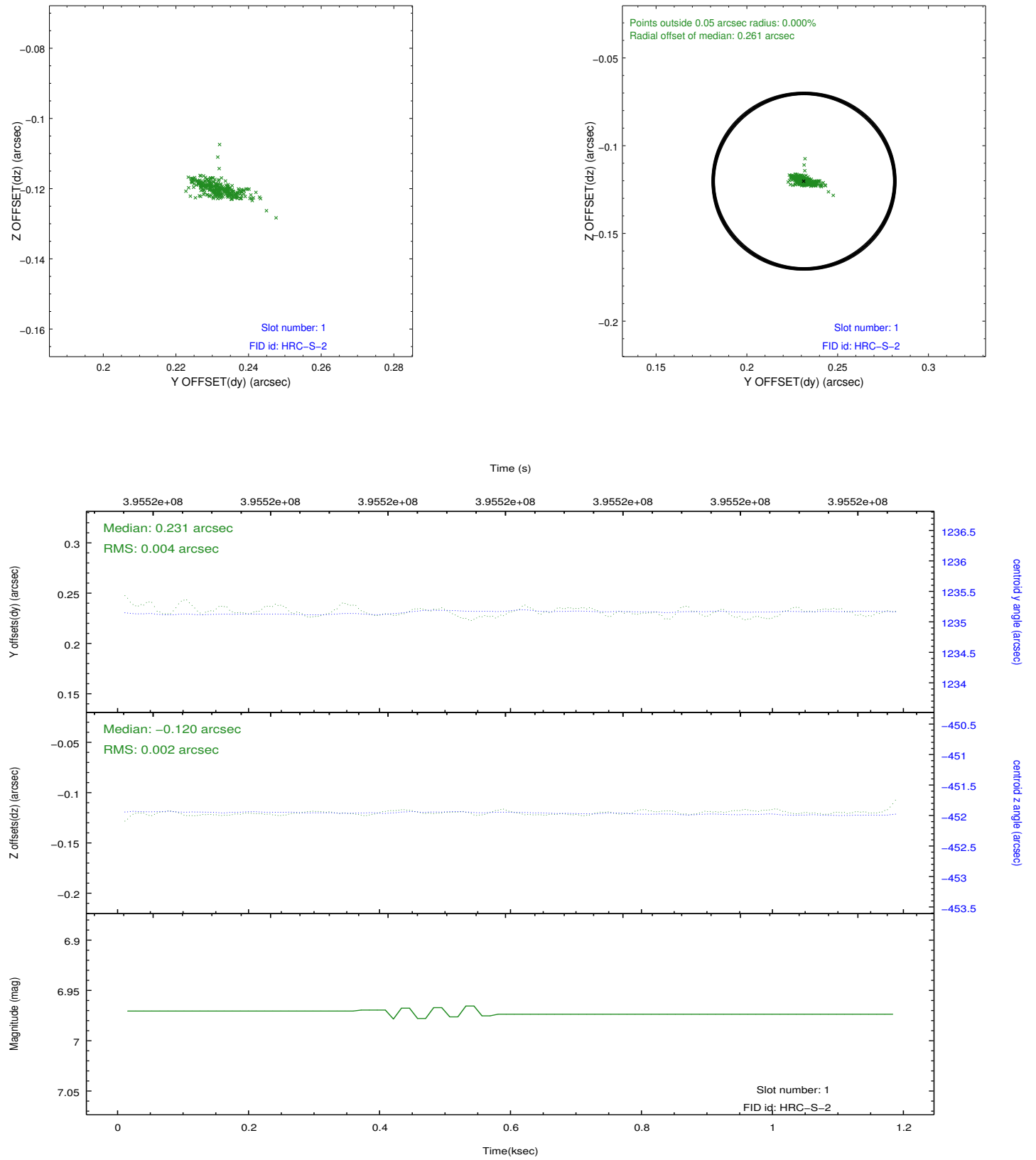


## 2.5 FID Slots

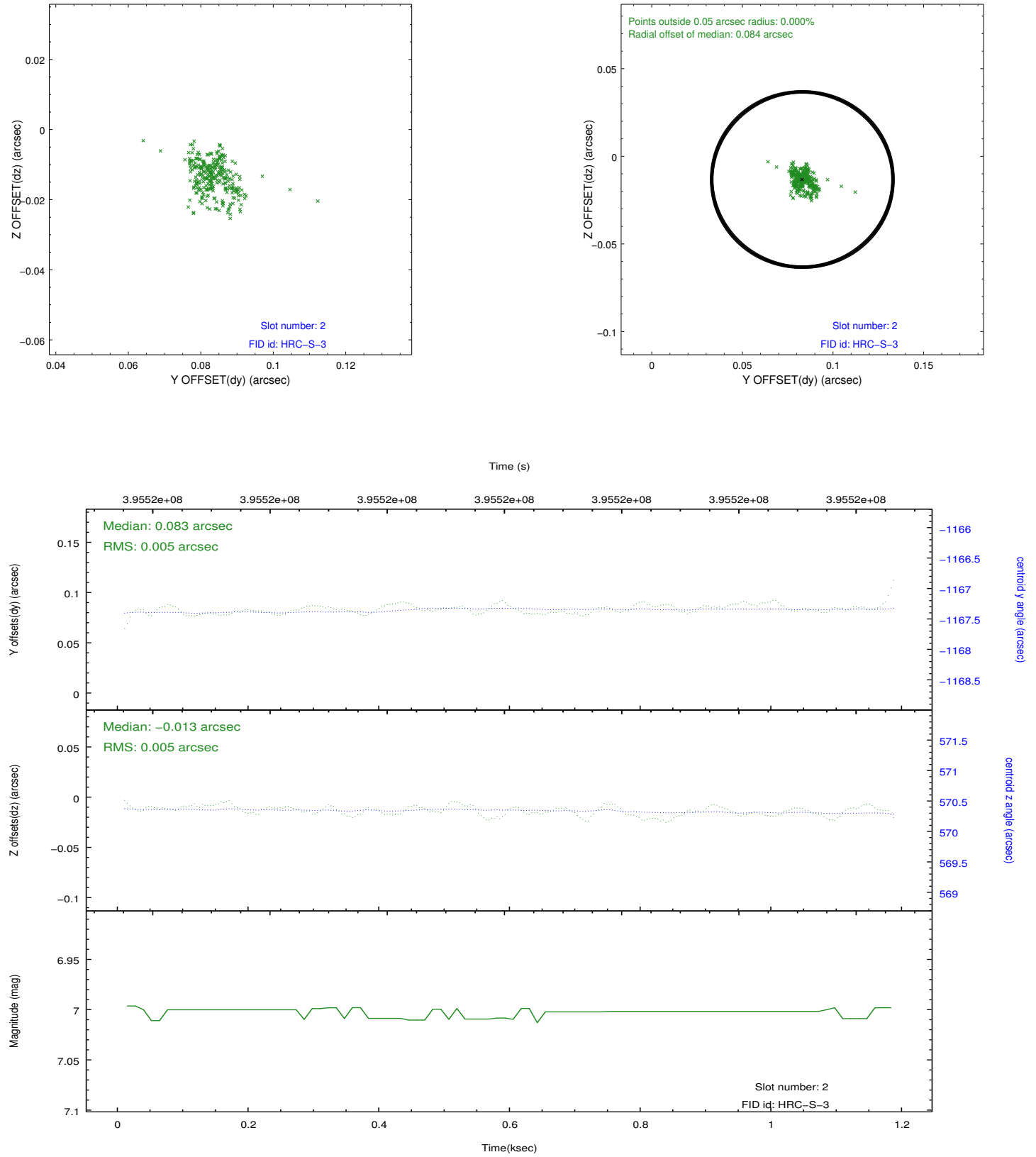
### 2.5.1 Slot 0



## 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)	2012.07.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1800313103199

### A.2 Comments

Window preference met.