

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11937 - L2 Version 3  
Chandra X-Ray Center

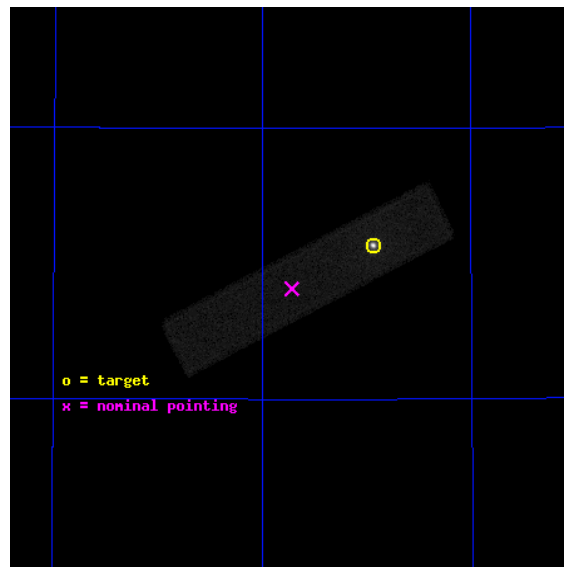
L2 Processing Date : Aug 13 2012

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# 1 Front

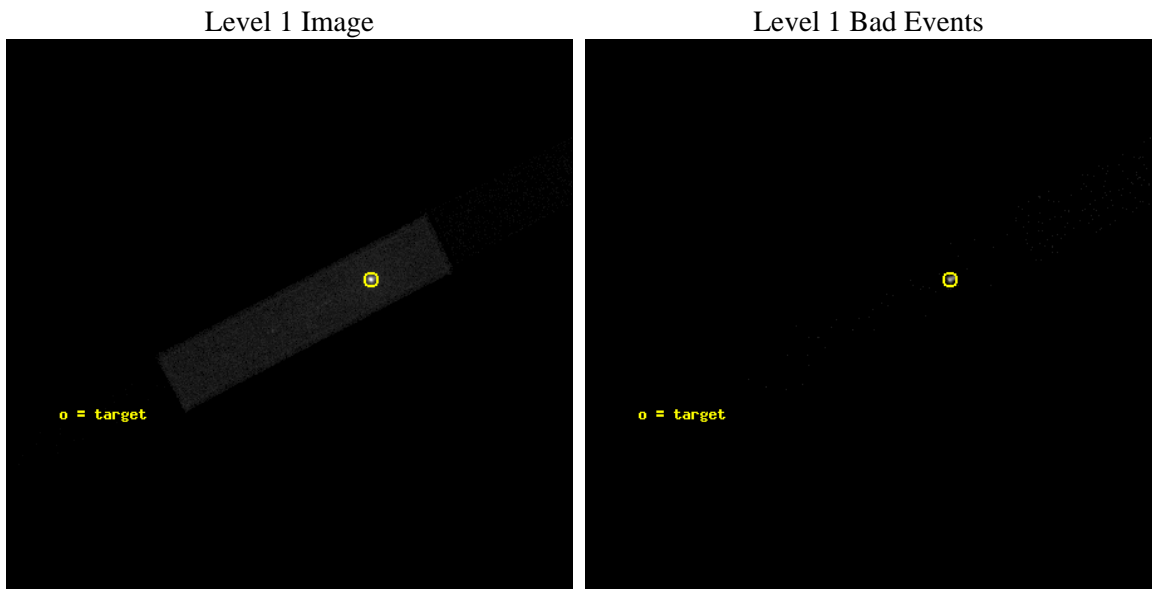
seq_num	290926	Sequence number
obs_id	11937	Observation id
title	AO-11 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.43011389486	Nominal RA [deg]
dec_nom	38.704003926777	Nominal Dec [deg]
roll_nom	332.54990094502	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1188.2313099504	[s]
livetime	910.82499078669	Ontime multiplied by DTCOR
l2events	206068	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	1188.2313099504	[s]
caldsver	4.5.1.1	&#160	l1events	270672	Number of level 1 events
date	2012-08-13T18:14:05	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

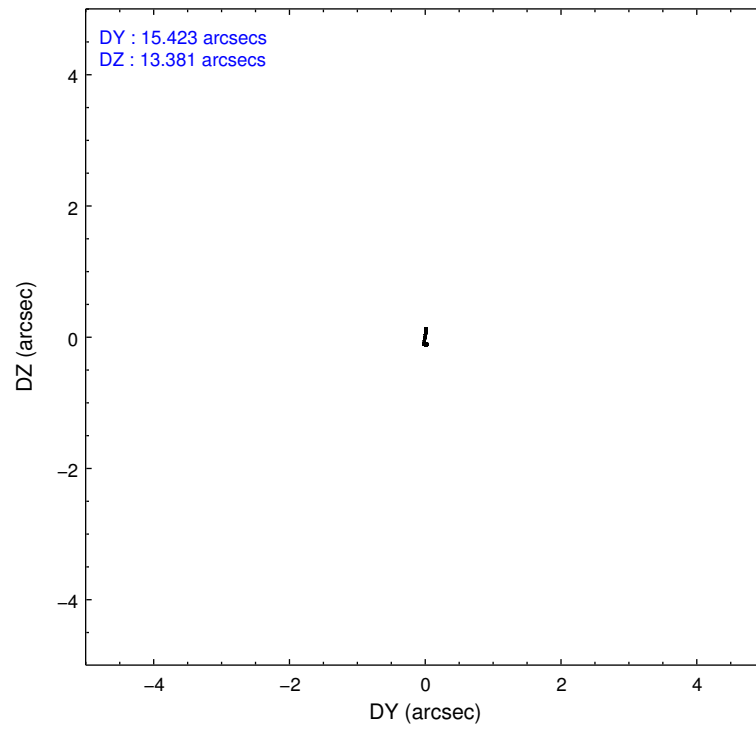
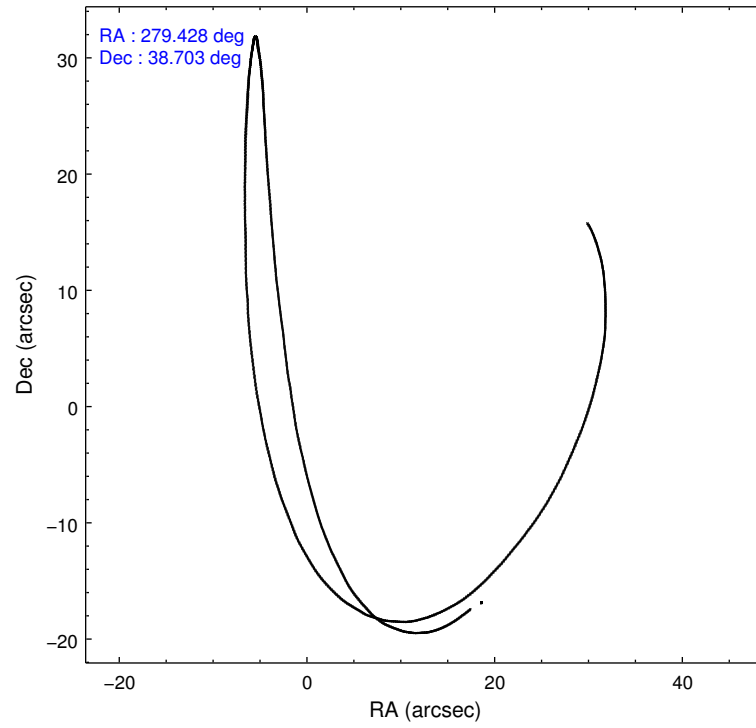
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	7387	261817	1468
rejected events	7387	42724	1468
rejected %	100%	16%	100%

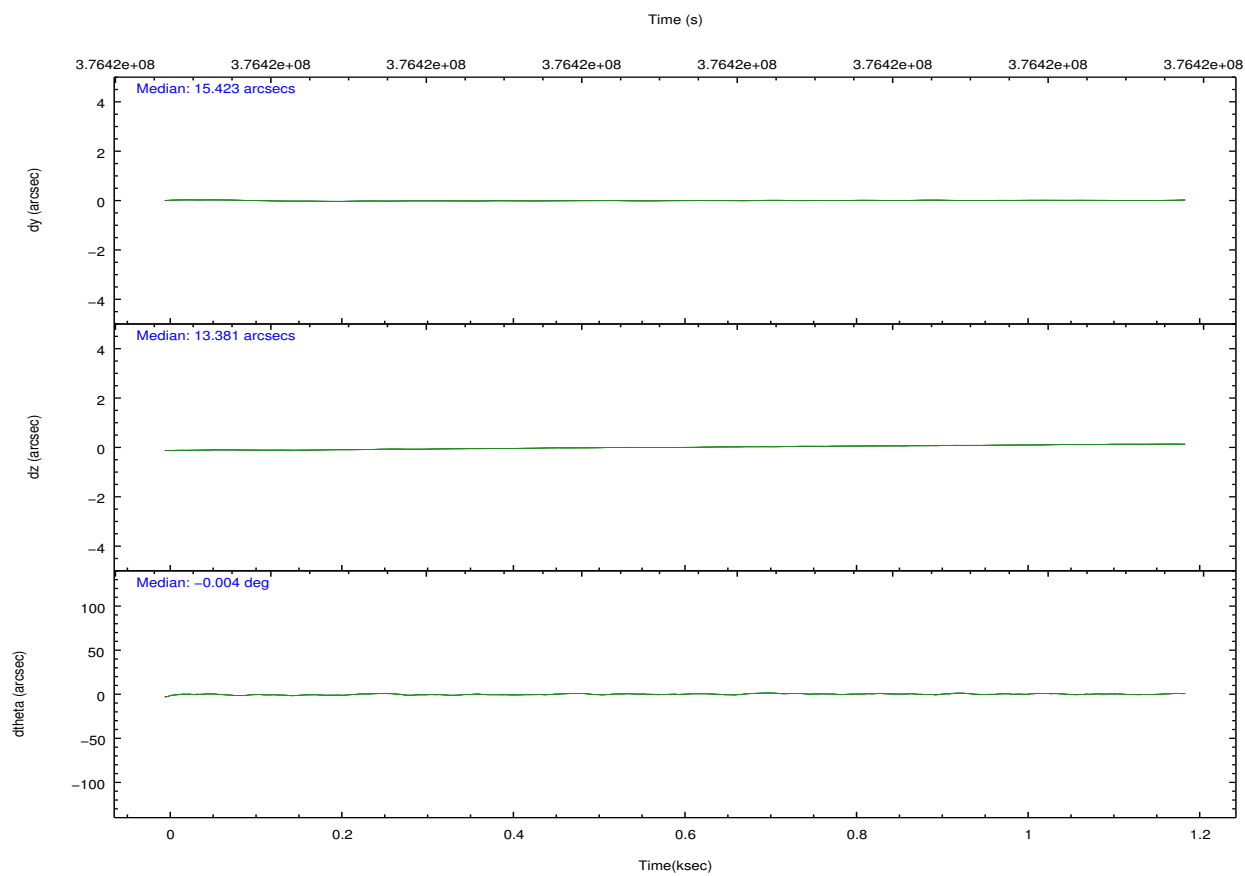
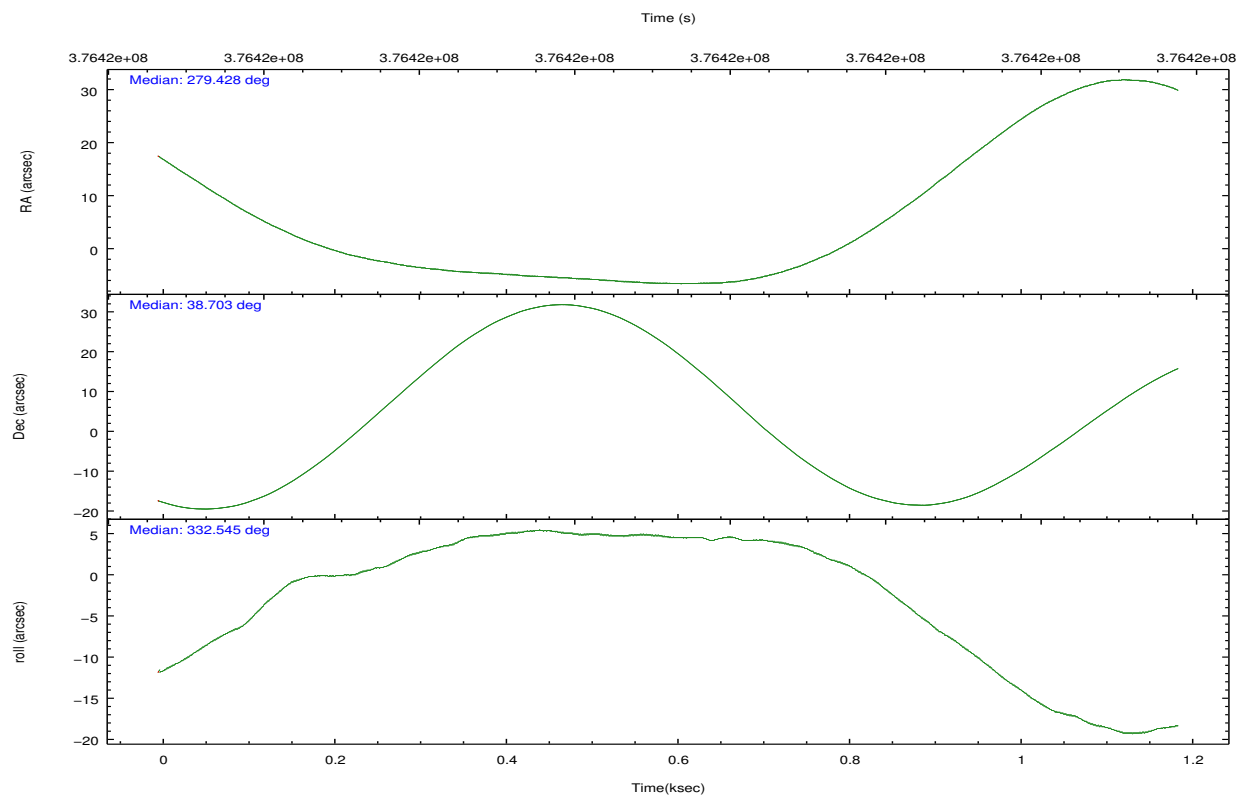
## 2.2 Compared Parameters

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	279.393383	279.4301138948566
[deg] Pointing Dec	38.701974	38.70400392677688
[deg] Pointing Roll	332.505536	332.5499009450231
[s] Window start time (MET)	376012866.184000	376012866.184000
[s] Window stop time (MET)	383702466.184000	383702466.184000
[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)	376418712.184000	376418335.89688
Observation start date	2009-12-05T16:44:06	2009-12-05T16:38:55
[s] Observation end time (MET)	376419712.184000	376419845.72196
Observation end date	2009-12-05T17:00:46	2009-12-05T17:04:05

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

## 2.3 Aspect





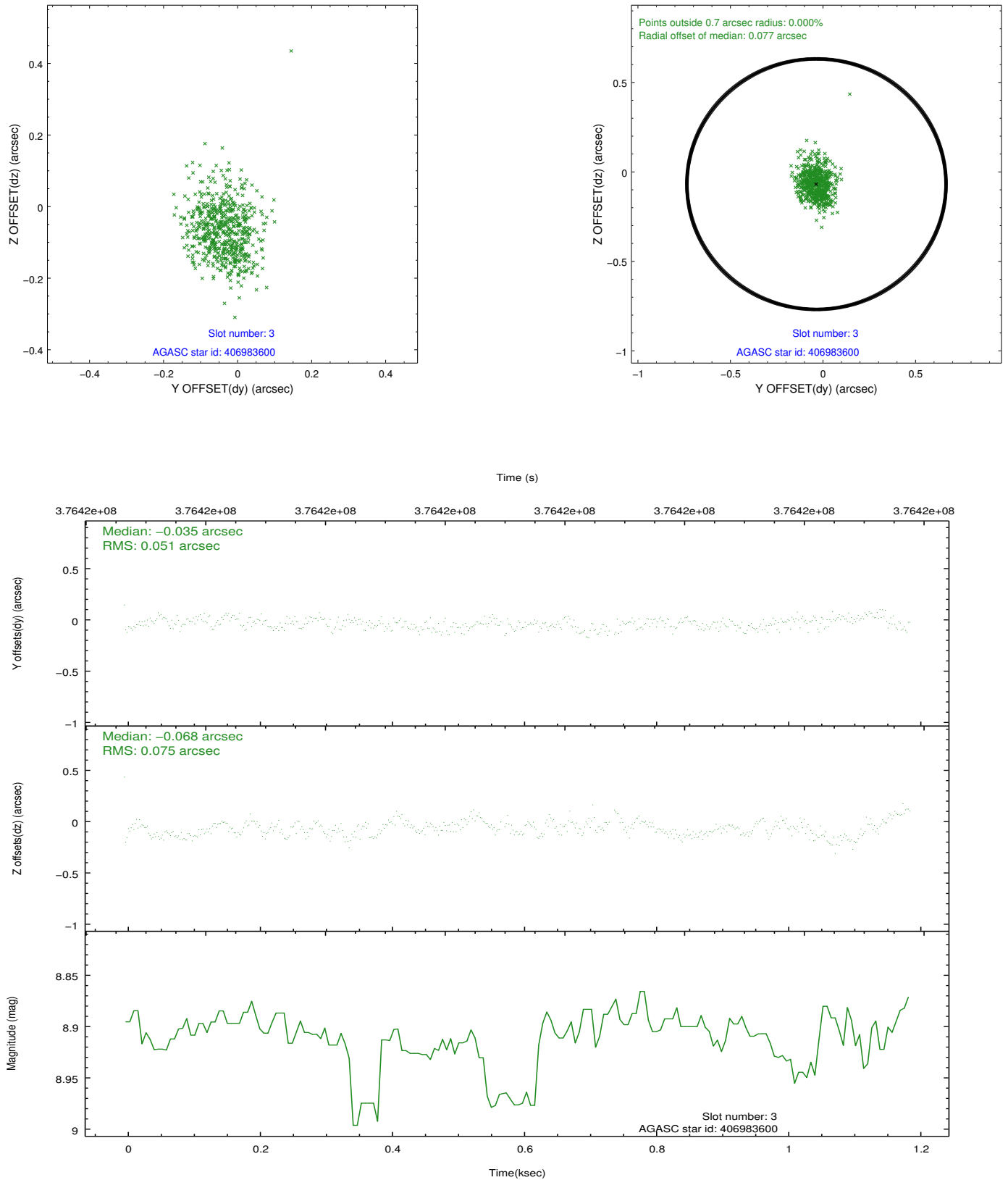
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	291	0.037	-0.148	0.008	0.015	0.000000	0.000000	-1169.86	-462.20
1	FID	HRC-S-2	6.96	291	0.253	-0.113	0.005	0.011	0.000000	0.000000	1225.99	-456.35
2	FID	HRC-S-3	6.99	291	0.099	-0.041	0.007	0.015	0.000000	0.000000	-1168.33	565.86
3	GUIDE	406983600	8.91	576	-0.035	-0.068	0.092	0.152	279.940957	39.020708	826.54	1730.97
4	GUIDE	406985120	7.43	581	-0.143	0.096	0.072	0.125	278.839732	38.894839	-1698.54	-90.86
5	GUIDE	406987272	6.95	581	-0.044	0.104	0.057	0.092	278.536588	38.437504	-1713.19	-1947.54
6	GUIDE	406989616	8.24	581	0.186	-0.028	0.086	0.130	279.202881	38.520843	-178.96	-826.72
7	GUIDE	406990192	9.00	580	0.040	-0.116	0.086	0.139	278.510952	38.533654	-1931.28	-1673.54

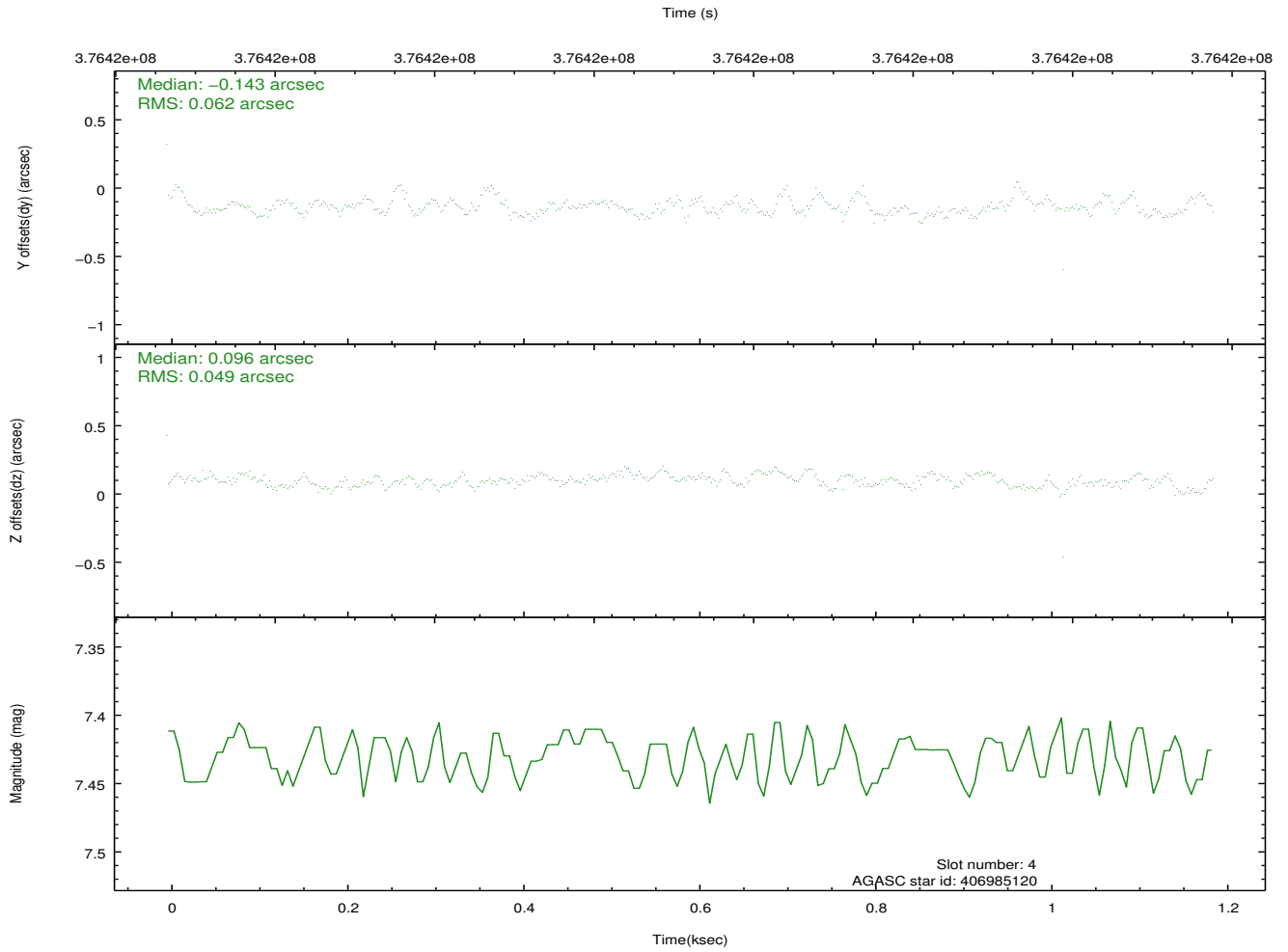
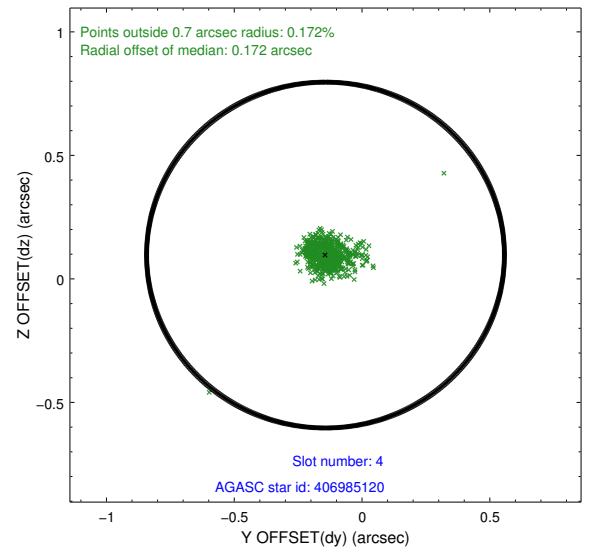
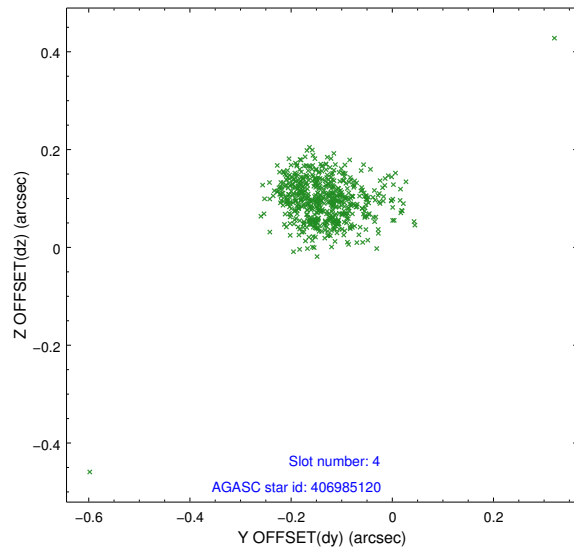


## 2.4 Star Slots

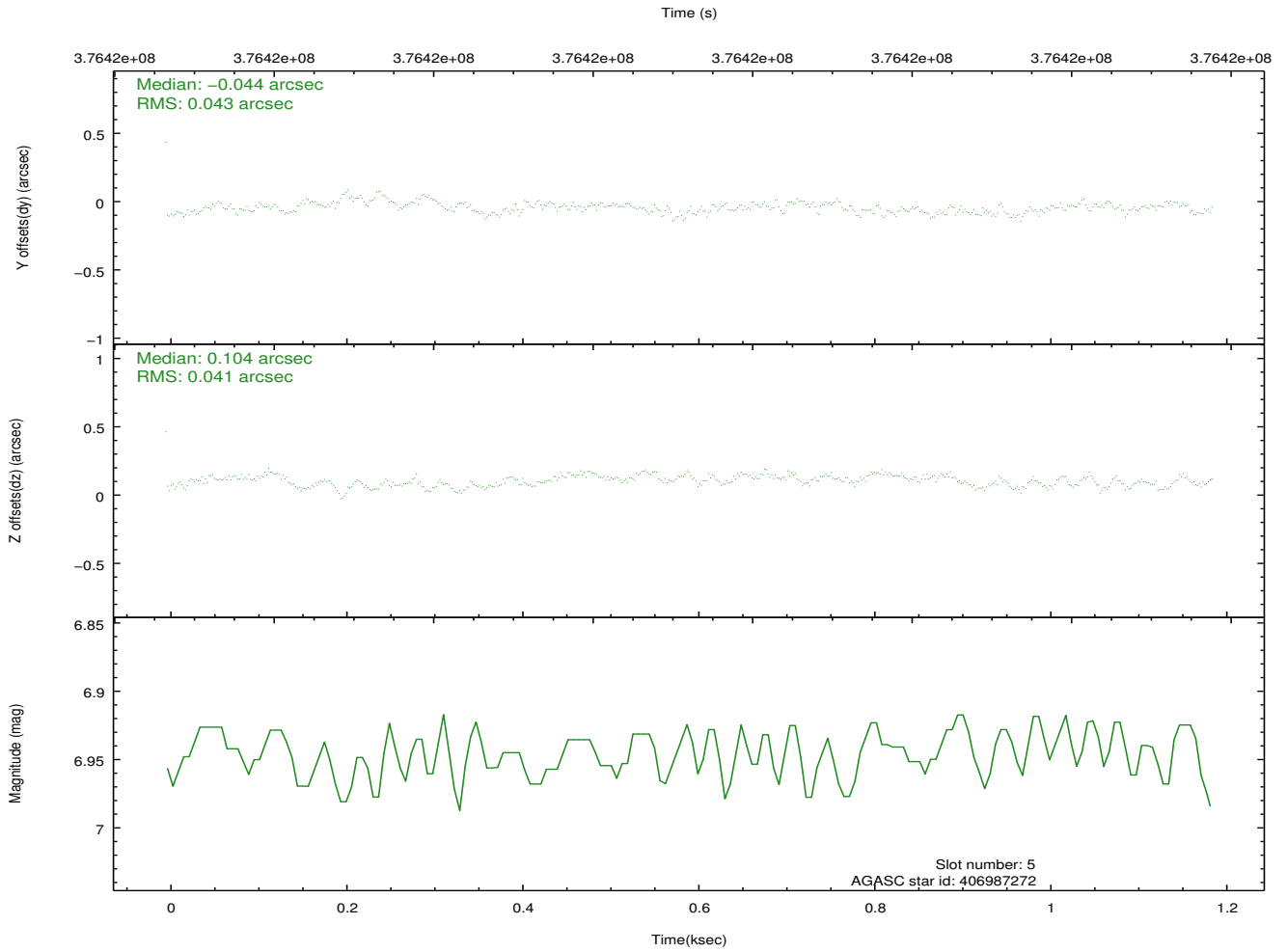
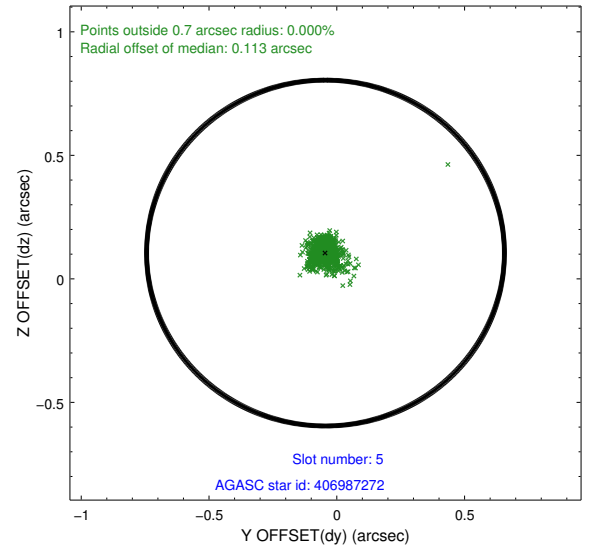
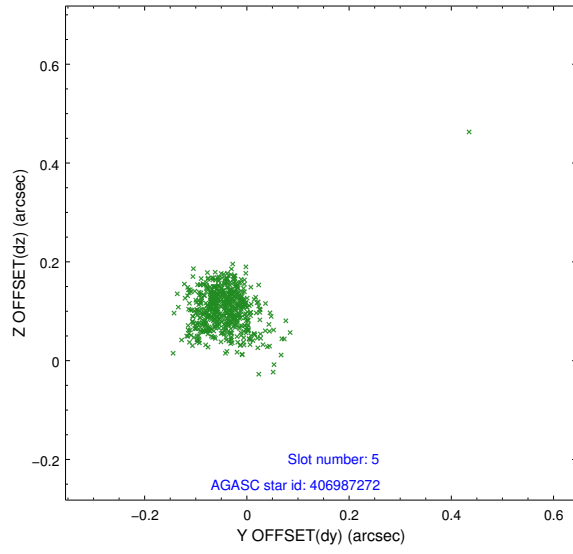
### 2.4.1 Slot 3



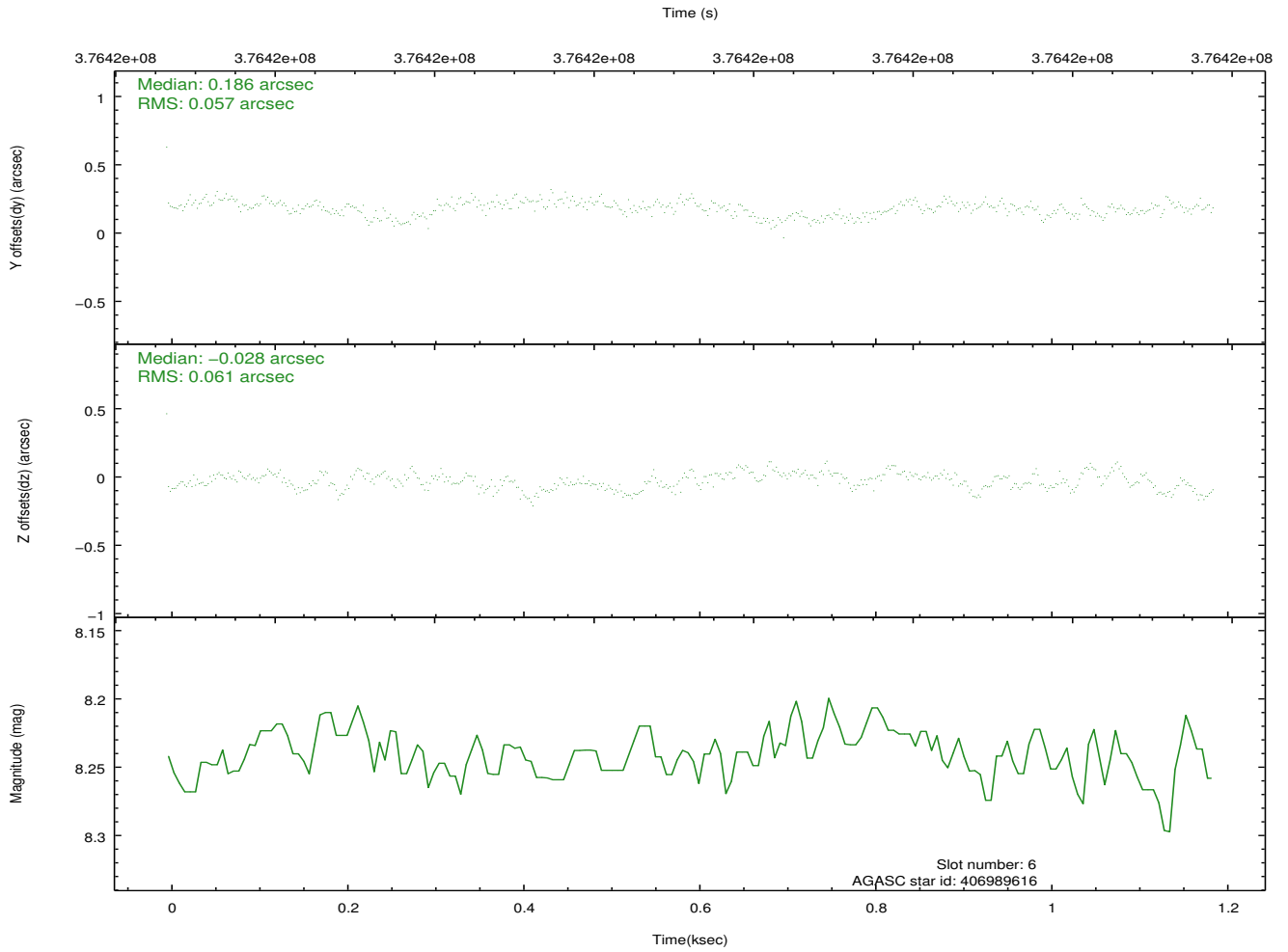
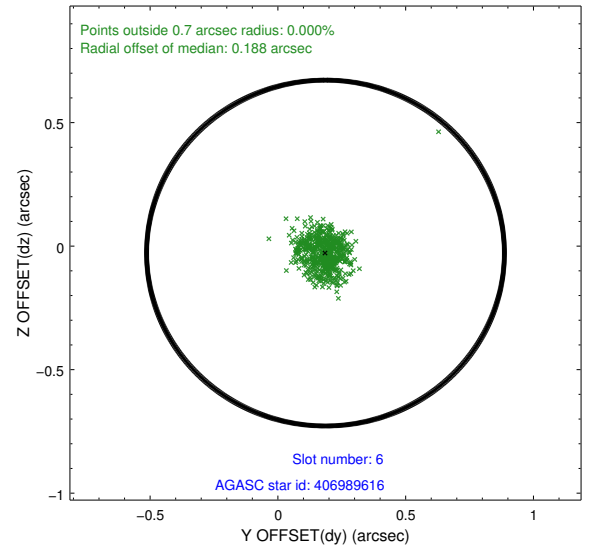
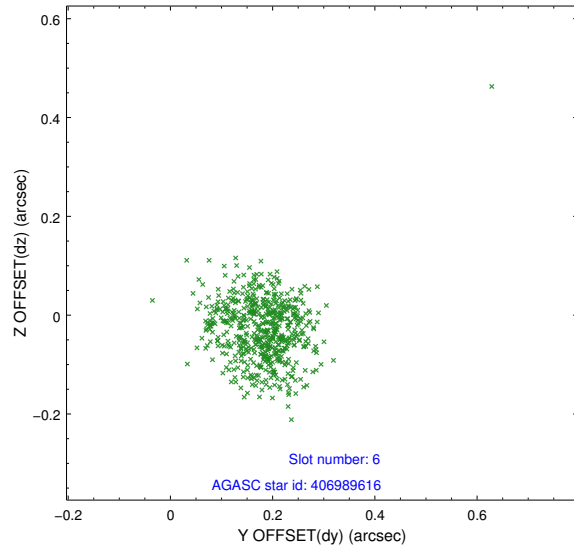
## 2.4.2 Slot 4



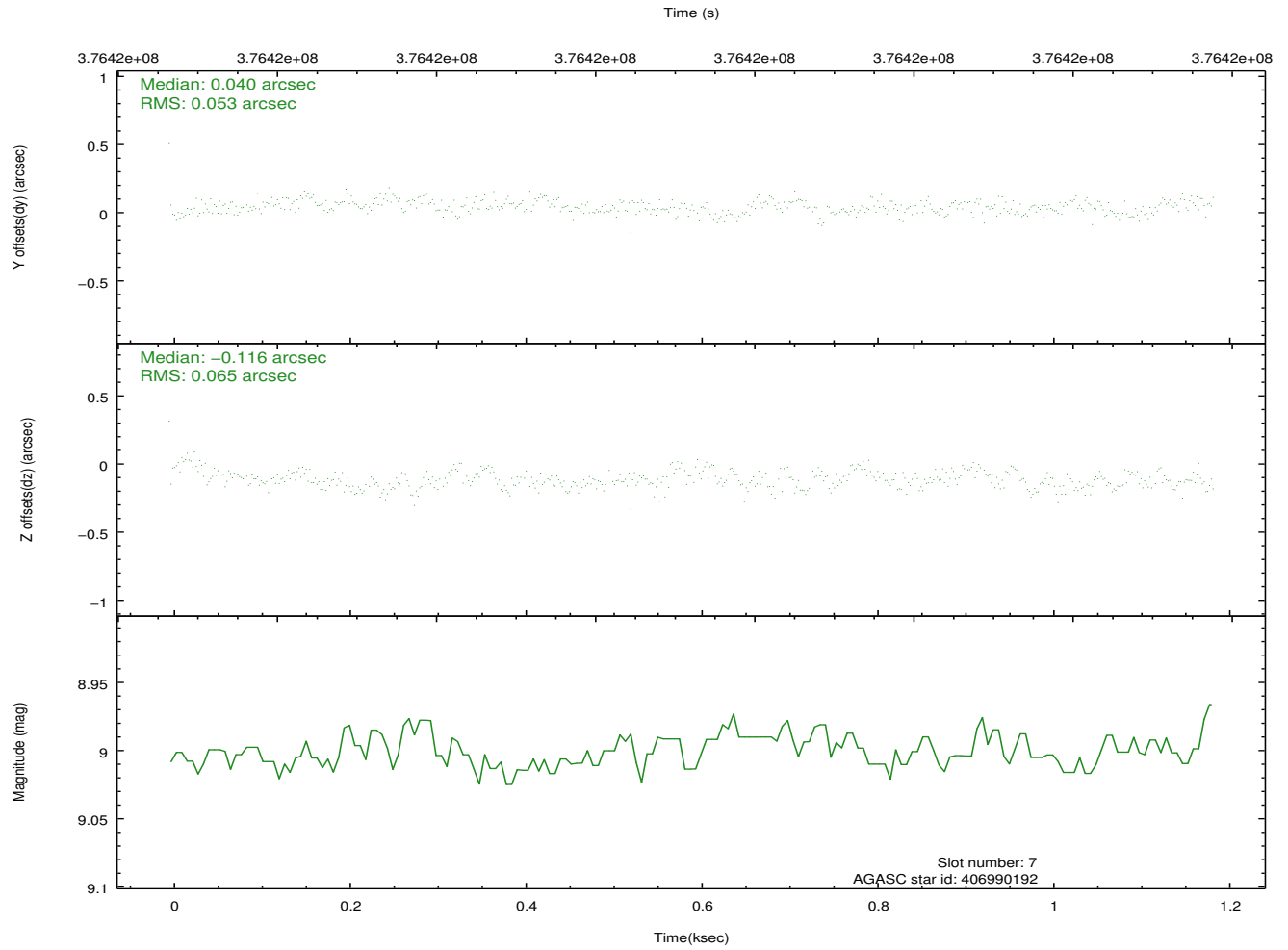
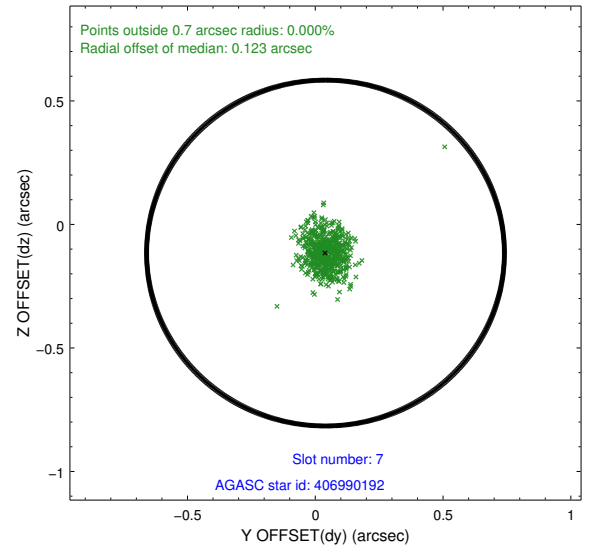
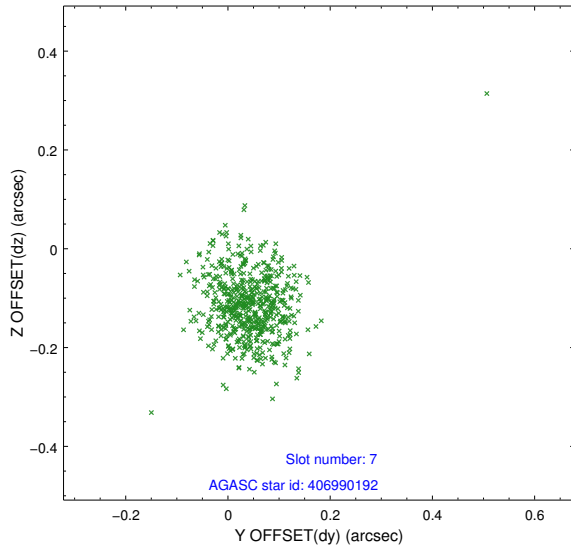
### 2.4.3 Slot 5



## 2.4.4 Slot 6

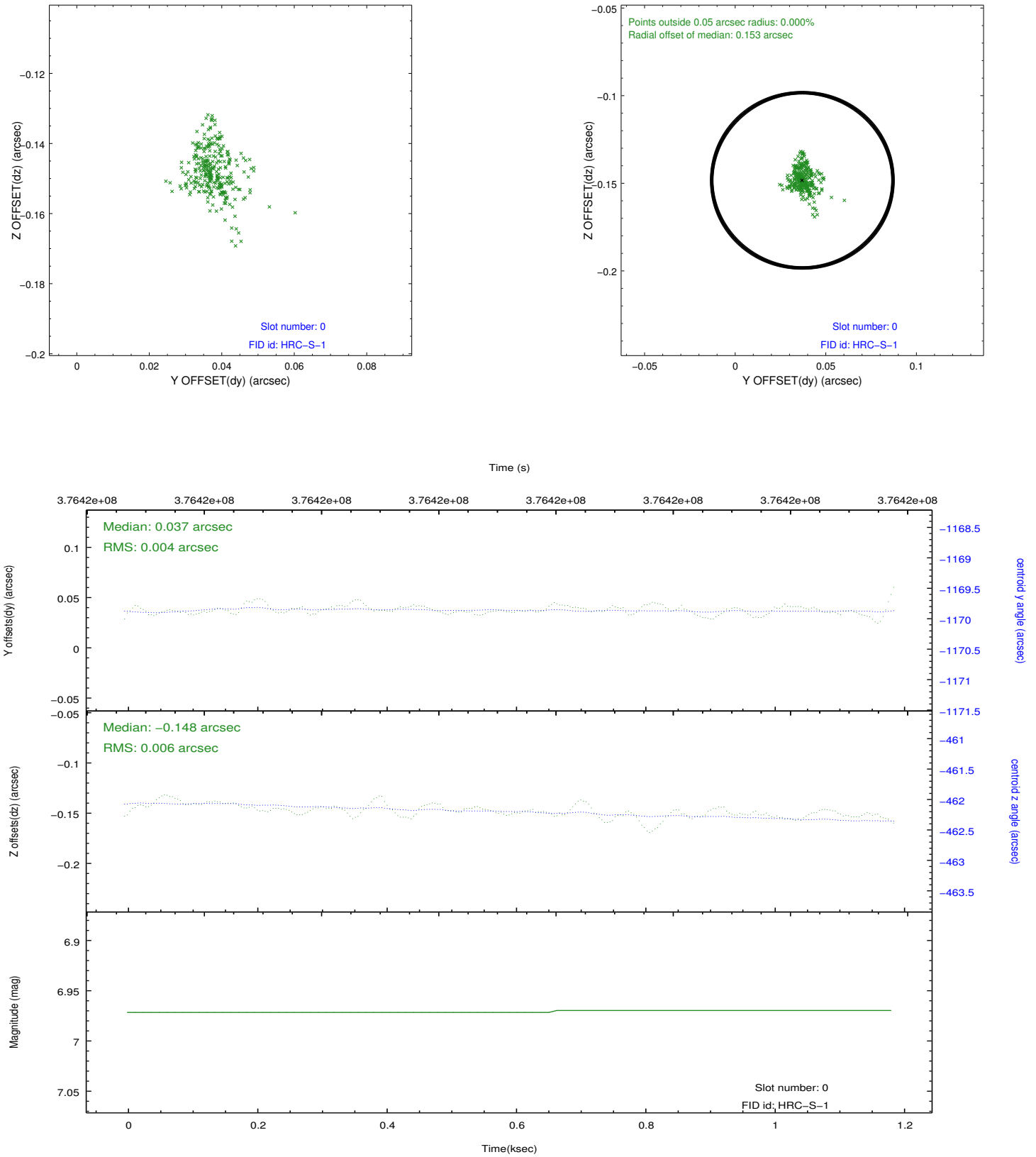


## 2.4.5 Slot 7

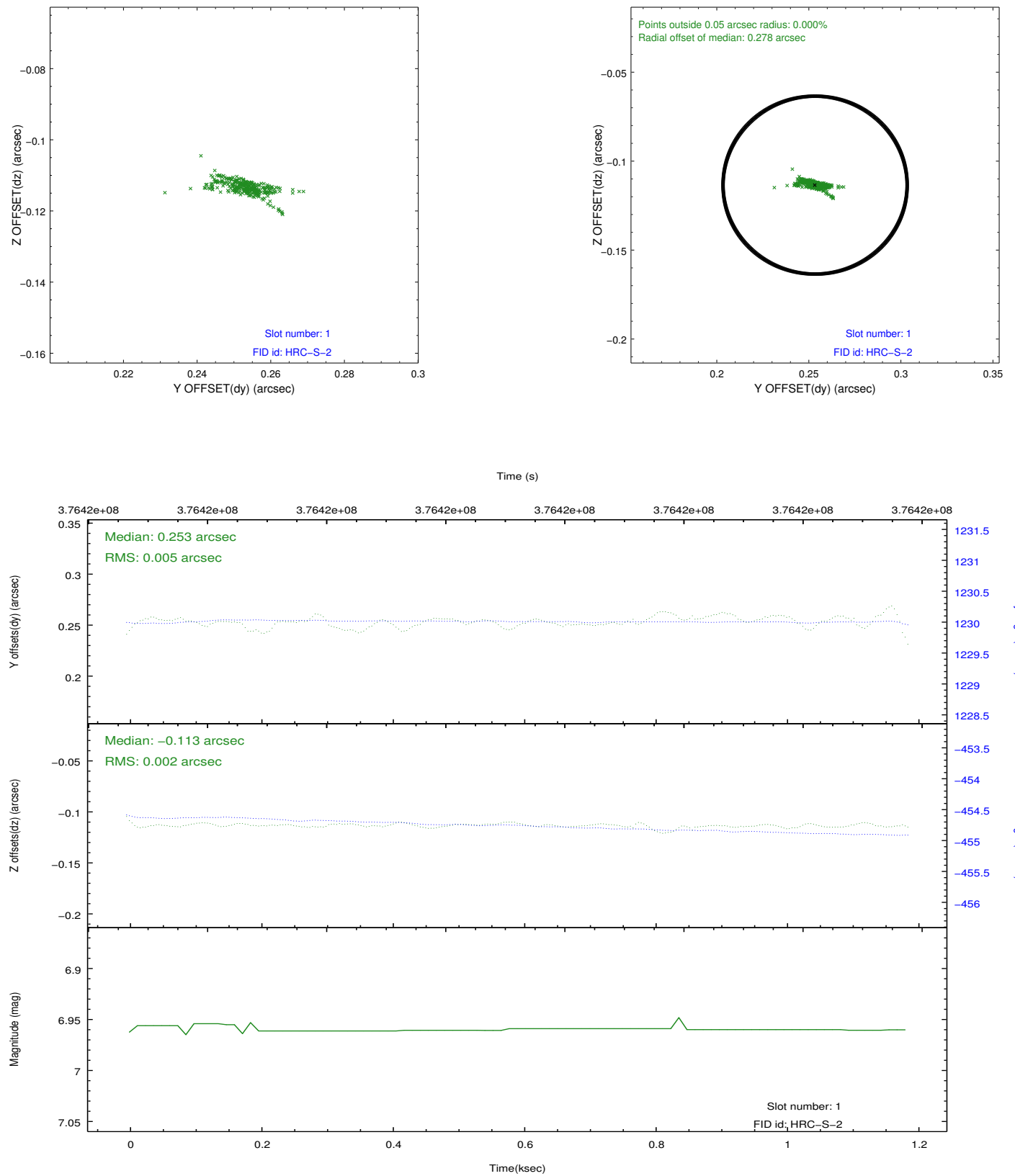


## 2.5 FID Slots

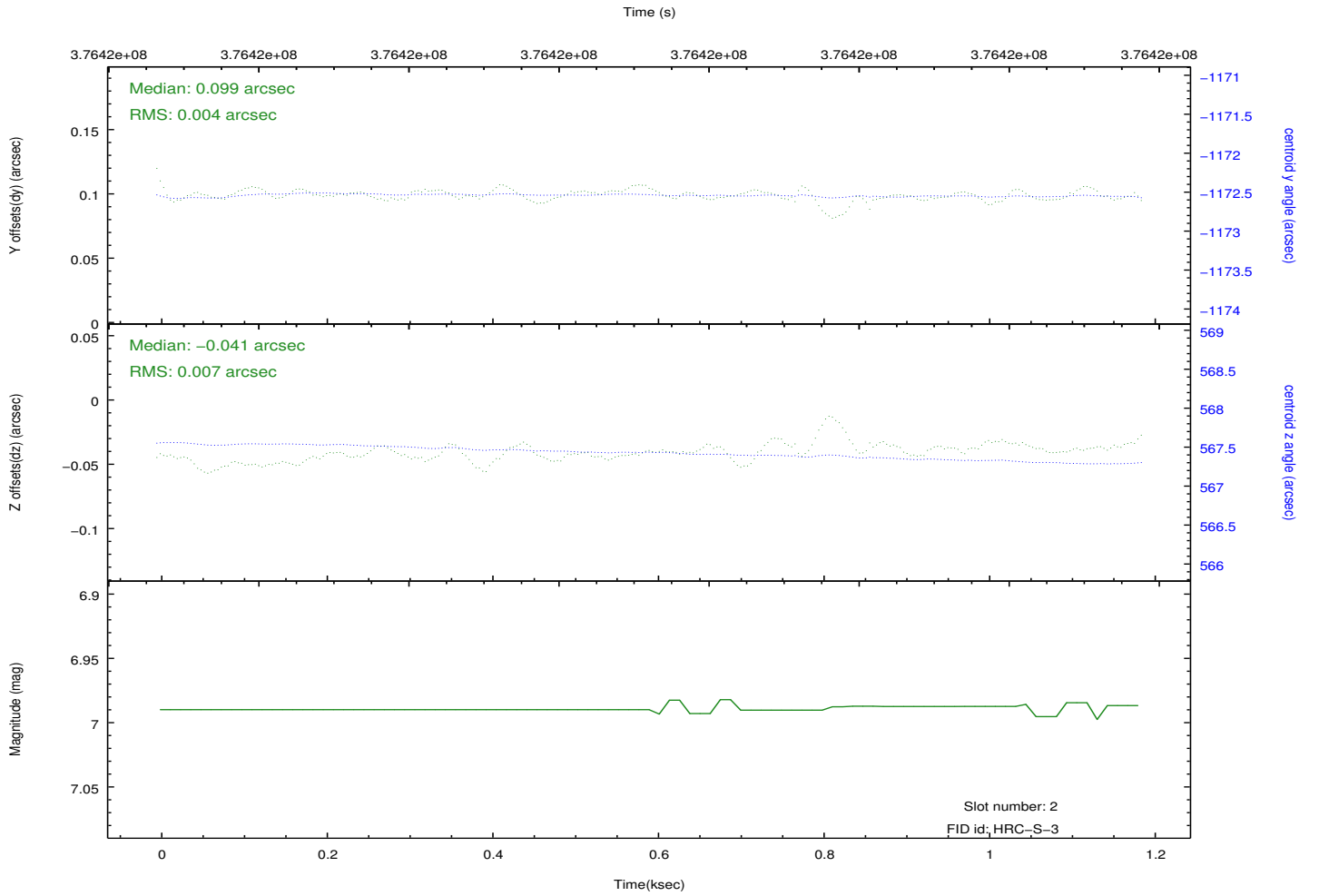
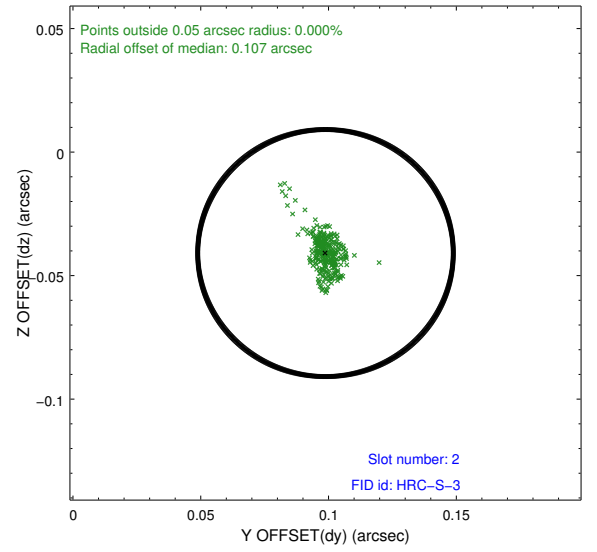
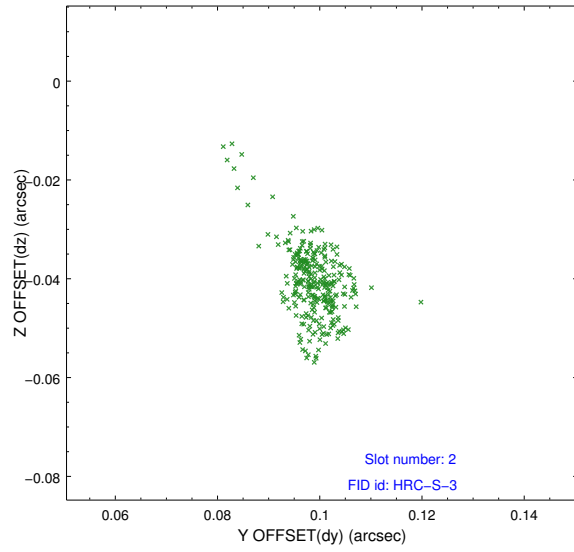
### 2.5.1 Slot 0



## 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)	2012.08.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1882313099504

### A.2 Comments

Window constraint met.