

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11949 - L2 Version 2  
Chandra X-Ray Center

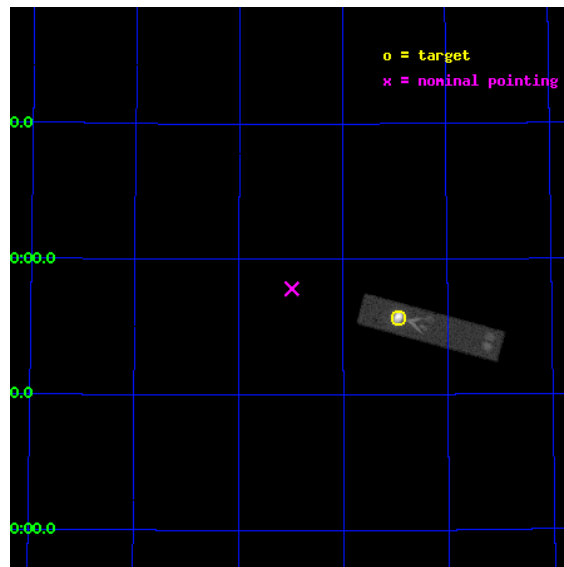
L2 Processing Date : Jun 29 2012

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# 1 Front

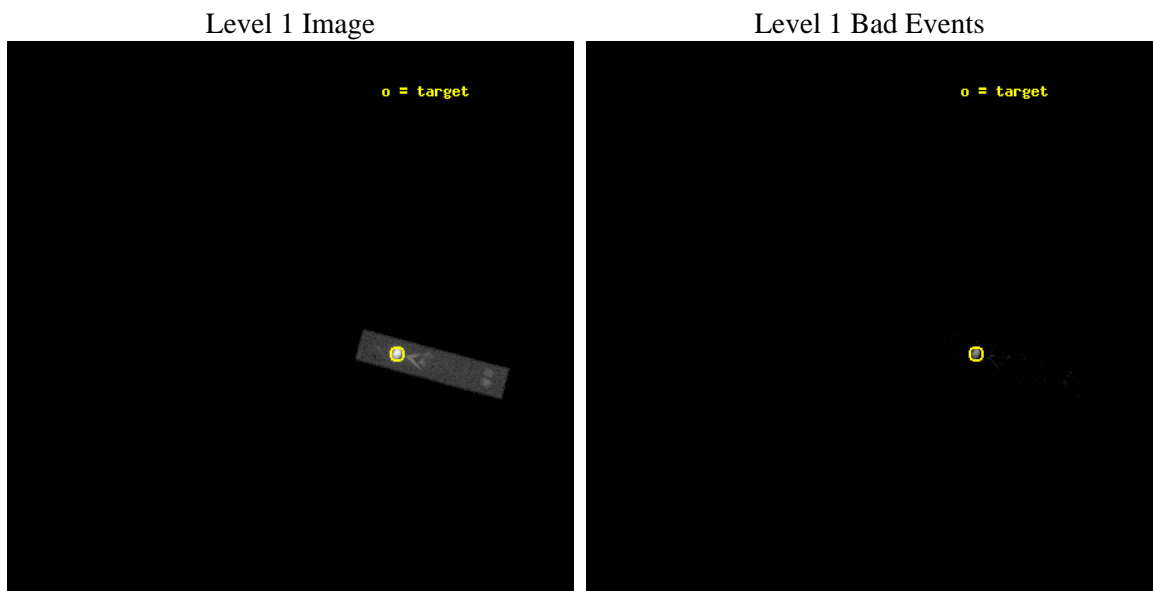
seq_num	290938	Sequence number
obs_id	11949	Observation id
title	AO-11 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.74536115927	Nominal RA [deg]
dec_nom	38.891866928617	Nominal Dec [deg]
roll_nom	194.97449054	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1188.231310606	[s]
livetime	482.4722374521	Ontime multiplied by DTCOR
l2events	210134	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	1188.231310606	[s]
caldbver	4.5.0	&#160	l1events	253788	Number of level 1 events
date	2012-06-30T01:56:11	Date and time of file creation			
revision	2	Processing version of data			

### 2.1.3 Events

Level 1 Events

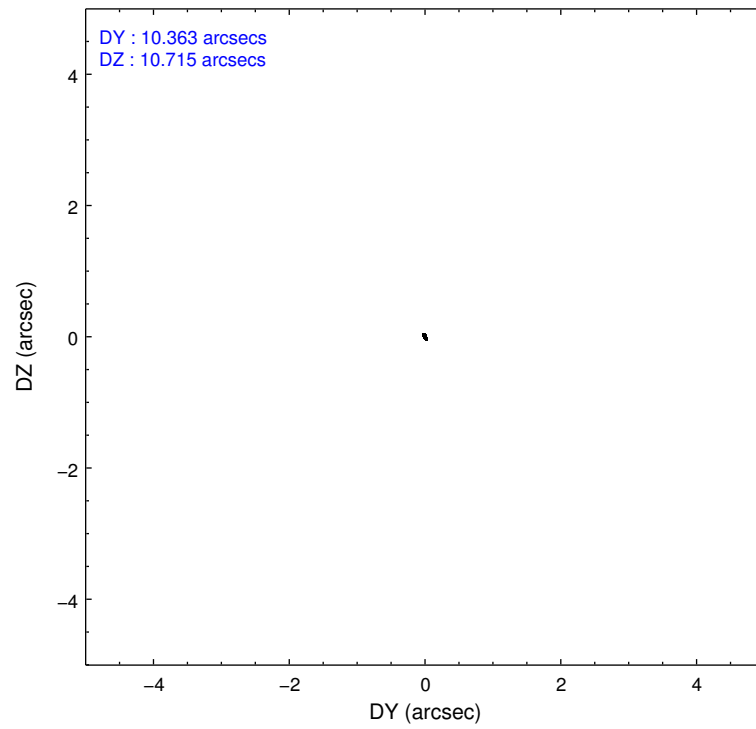
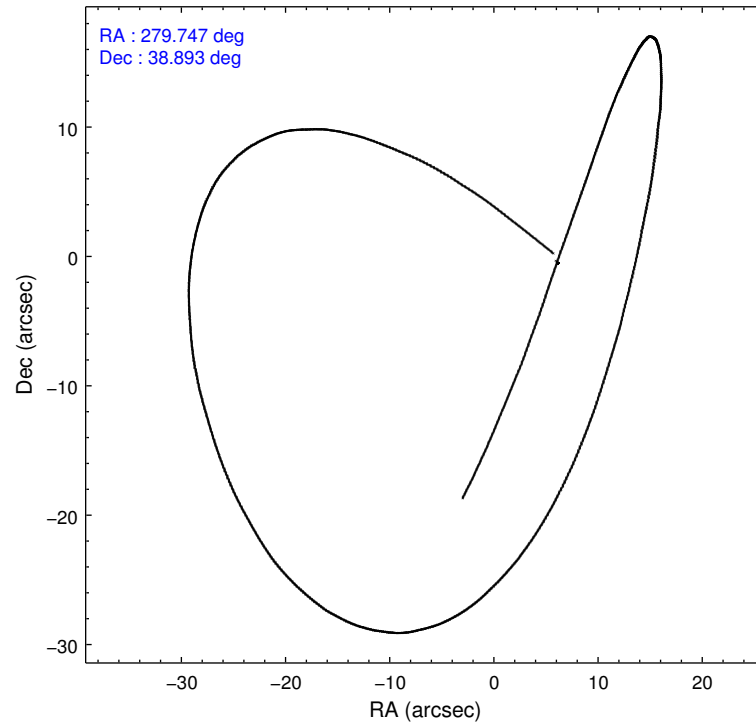
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	0	15	253773
rejected events	0	2	34690
rejected %	0%	13%	13%

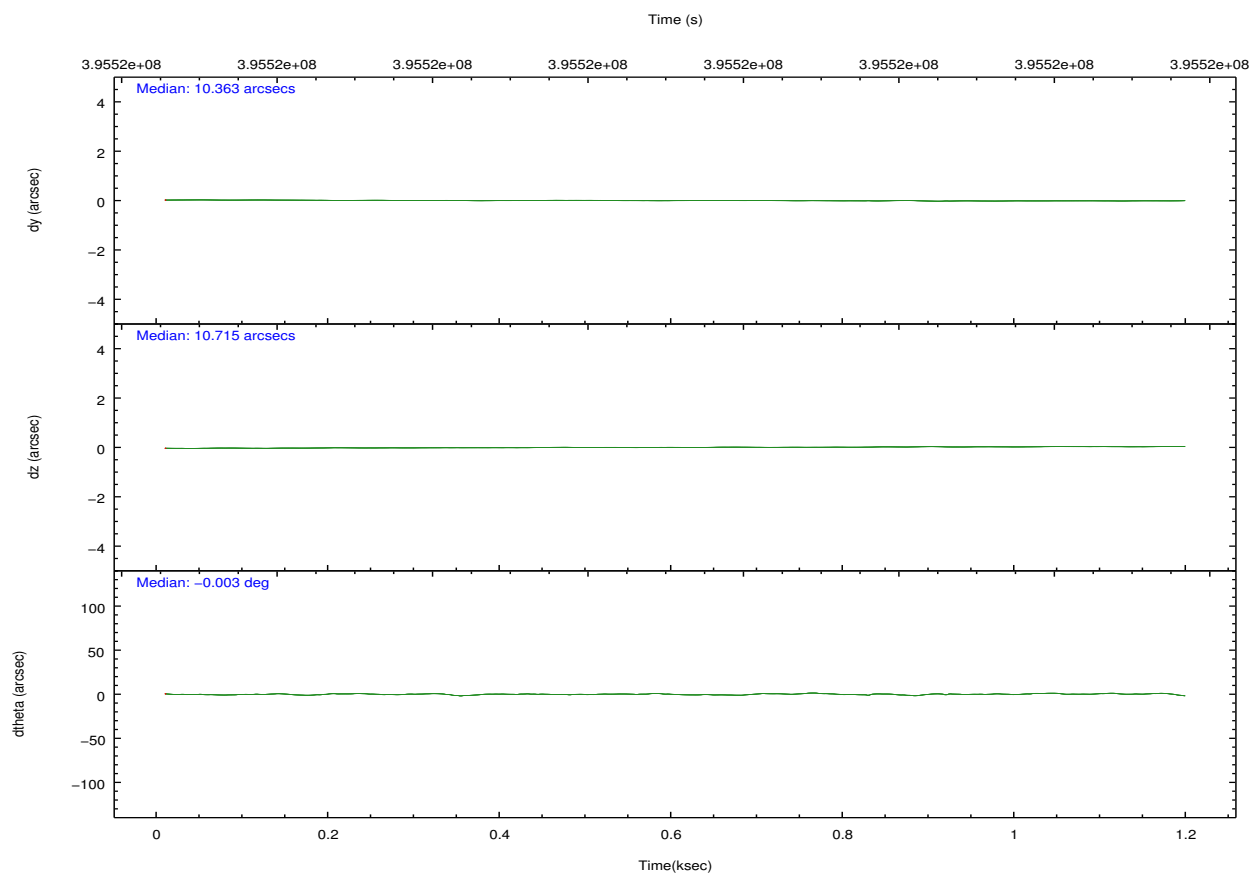
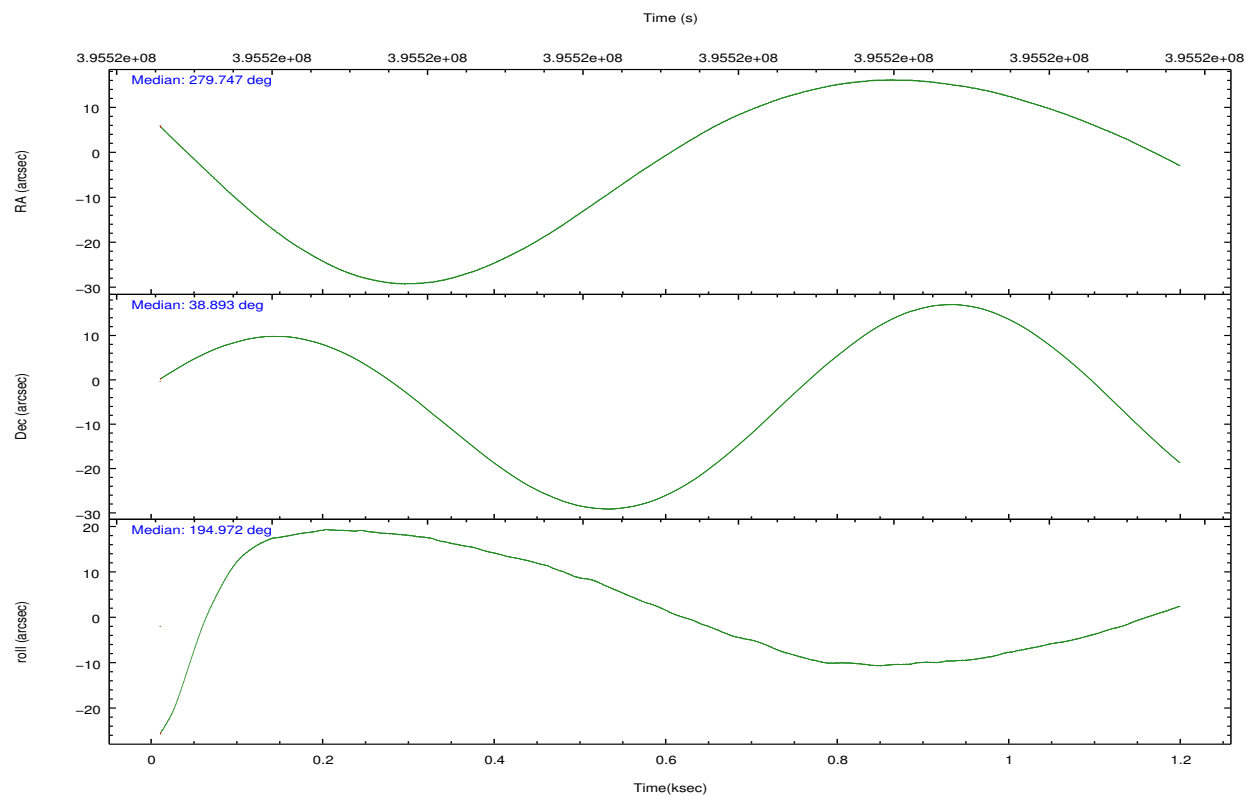
## 2.2 Compared Parameters

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	279.770372	279.7453611592659
[deg] Pointing Dec	38.912187	38.89186692861706
[deg] Pointing Roll	194.891740	194.9744905399979
[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)	395523720.184000	395523342.10456
Observation start date	2010-07-14T19:40:54	2010-07-14T19:35:42
[s] Observation end time (MET)	395524720.184000	395524896.00464
Observation end date	2010-07-14T19:57:34	2010-07-14T20:01:36

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

## 2.3 Aspect





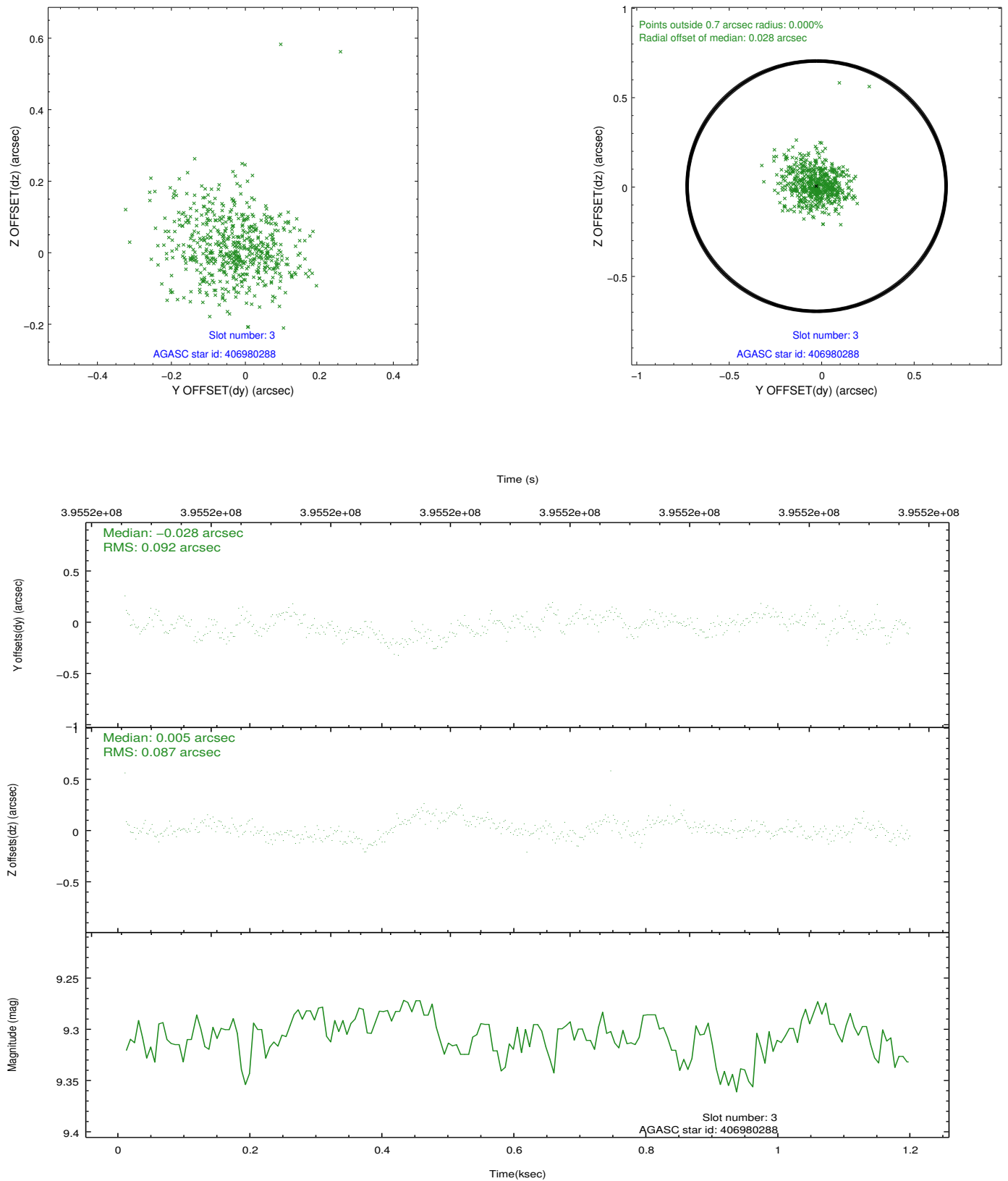
Slot Statistics

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	291	0.075	-0.166	0.006	0.010	0.000000	0.000000	-1164.65	-459.42
1	FID	HRC-S-2	6.97	291	0.226	-0.118	0.004	0.011	0.000000	0.000000	1231.16	-453.62
2	FID	HRC-S-3	7.00	291	0.089	-0.018	0.007	0.015	0.000000	0.000000	-1163.12	568.69
3	GUIDE	406980288	9.31	580	-0.028	0.005	0.128	0.216	278.903147	39.061646	2200.04	-1152.35
4	GUIDE	406983600	8.93	581	-0.013	0.005	0.095	0.154	279.940957	39.020708	-557.66	-252.48
5	GUIDE	406989616	8.23	581	-0.125	-0.171	0.069	0.120	279.202881	38.520843	1905.24	949.21
6	GUIDE	407513096	8.14	581	0.034	0.098	0.076	0.117	279.928965	39.436841	-907.43	-1706.92
7	GUIDE	407521232	8.65	579	0.128	0.037	0.114	0.191	279.628883	39.431715	-101.00	-1908.01

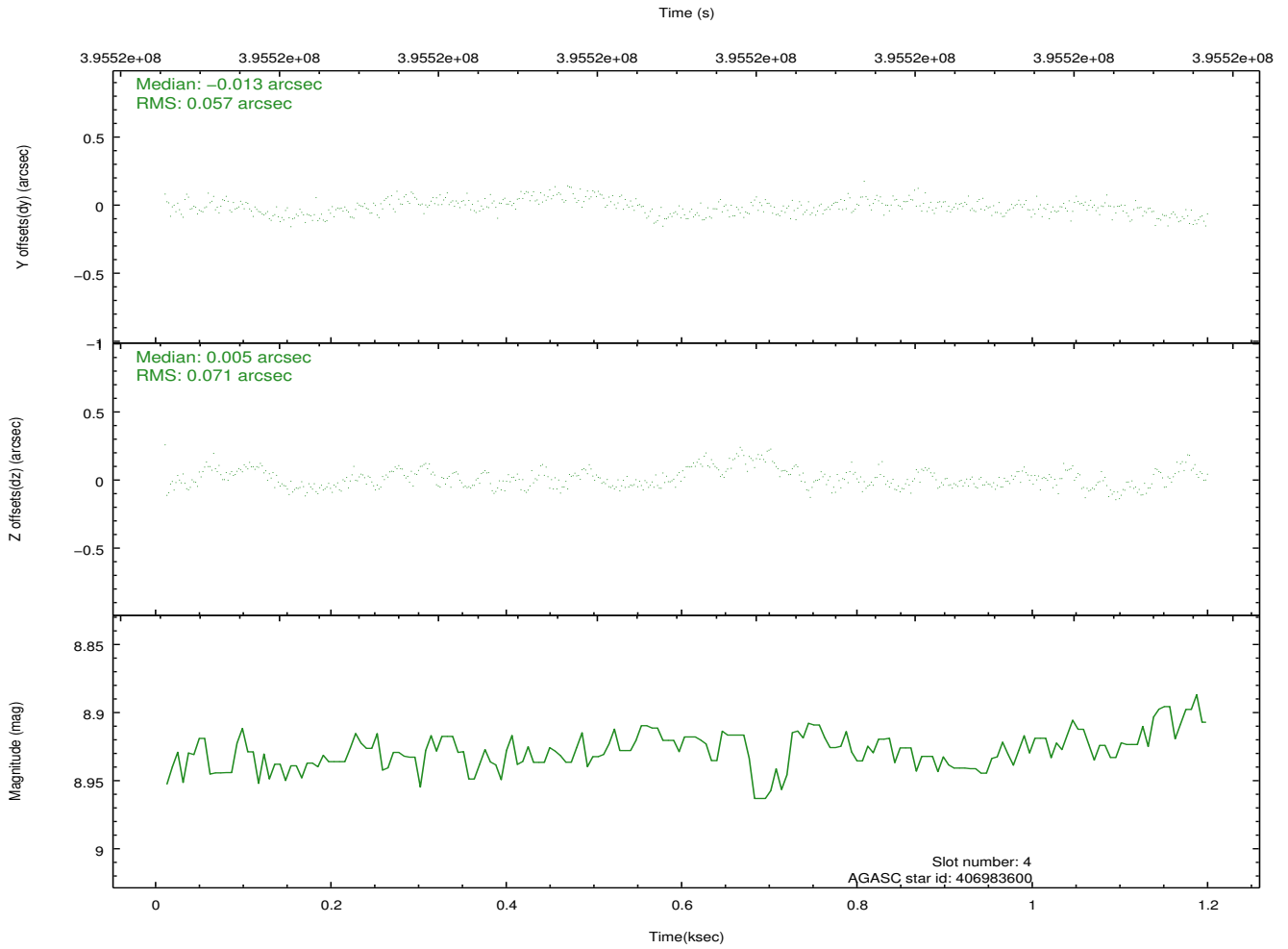
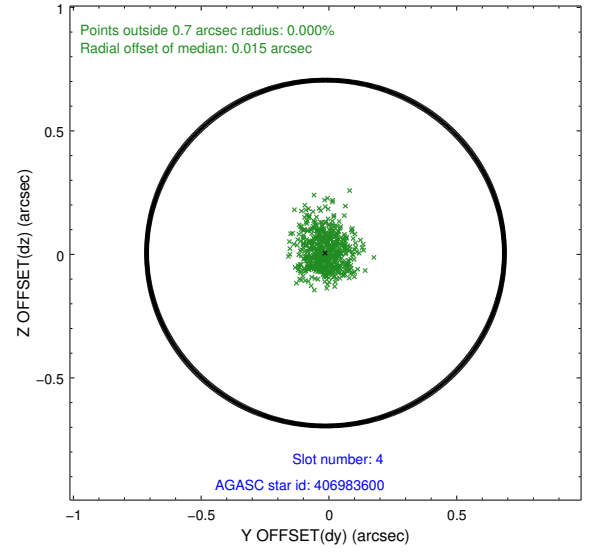
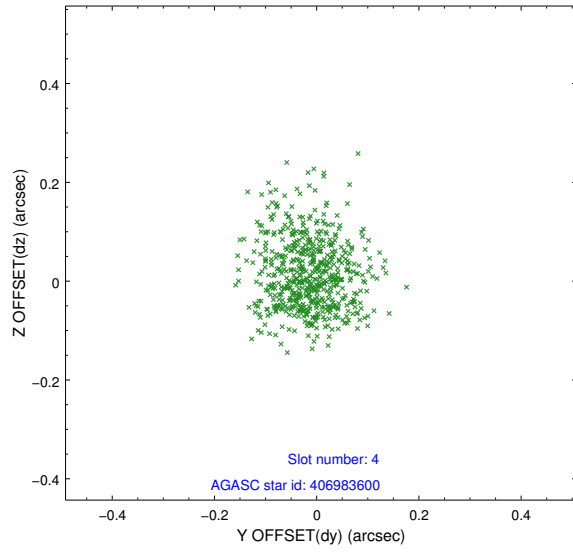


## 2.4 Star Slots

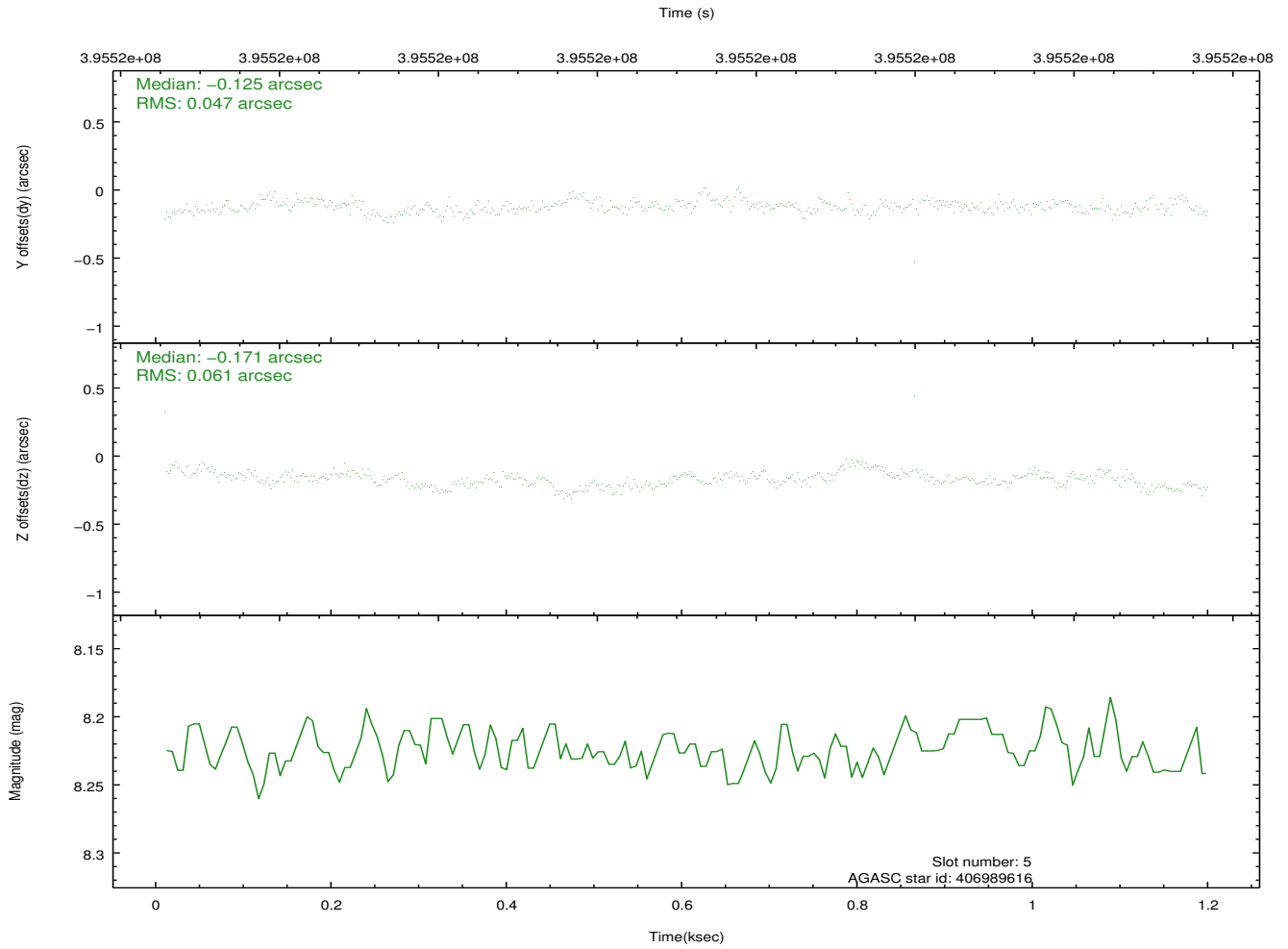
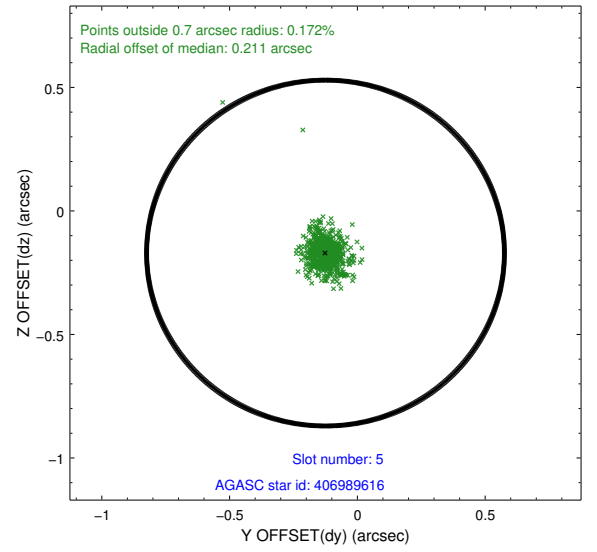
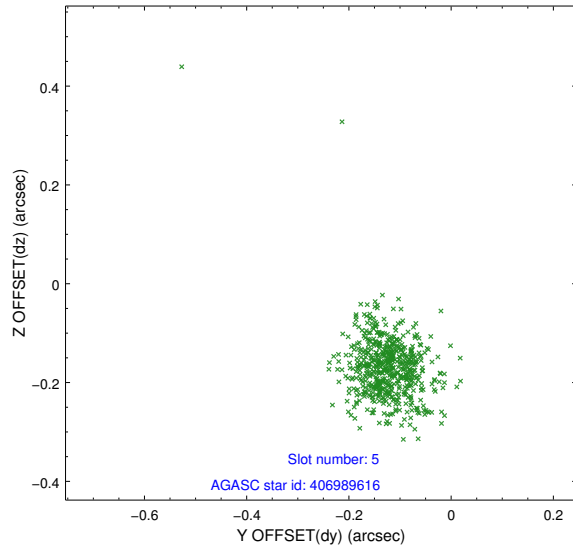
### 2.4.1 Slot 3



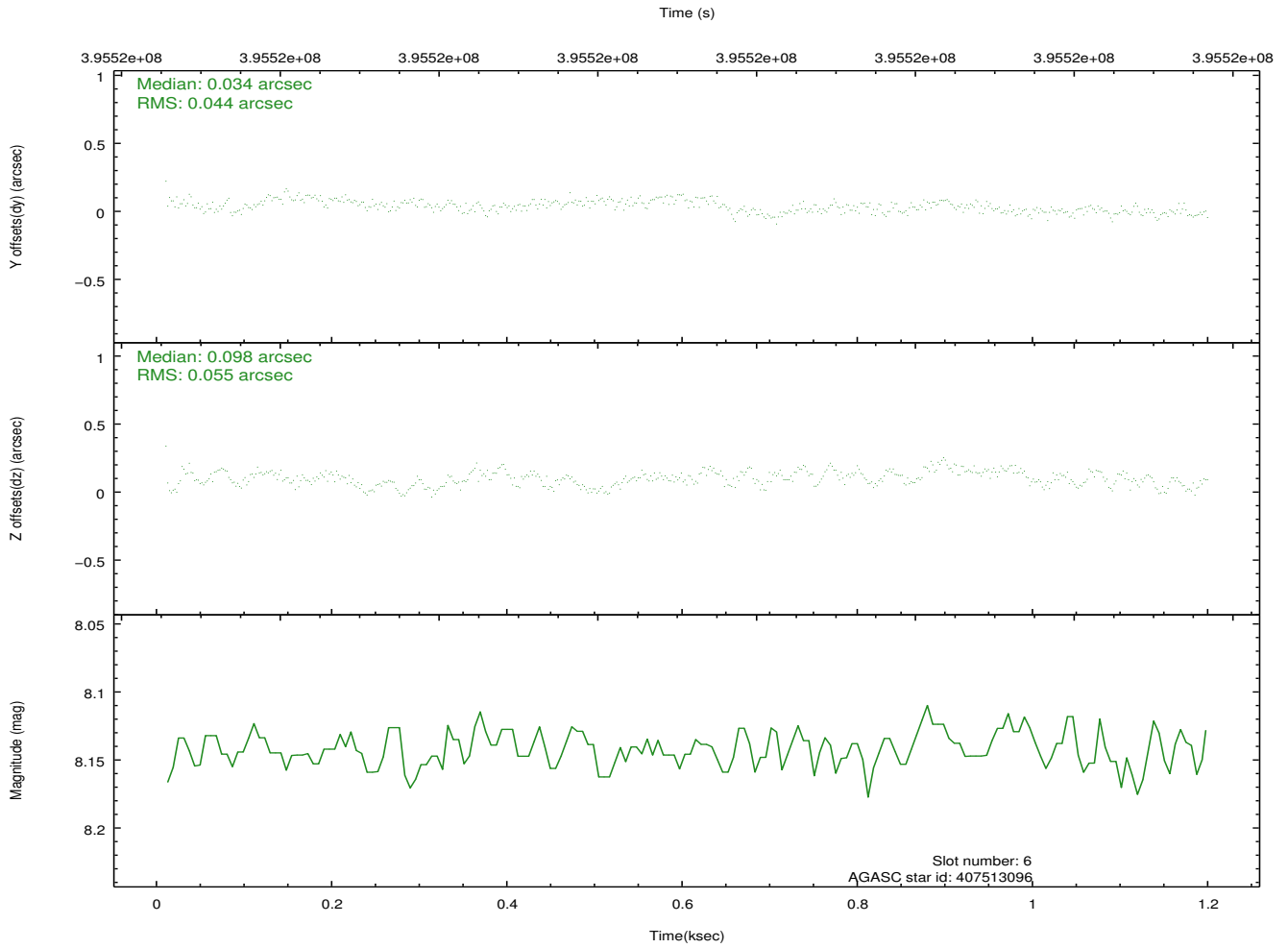
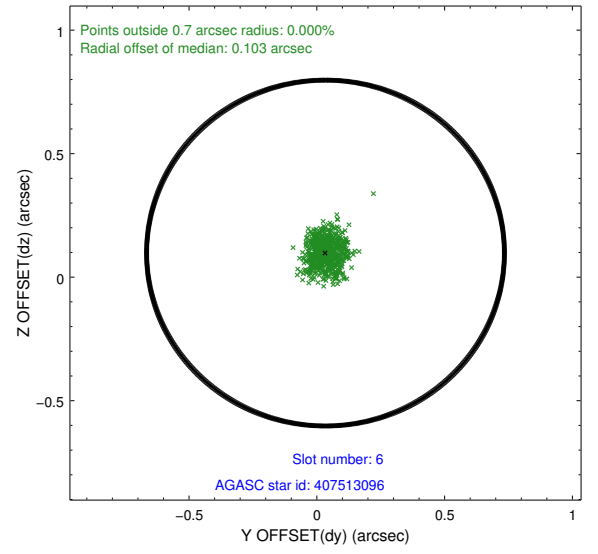
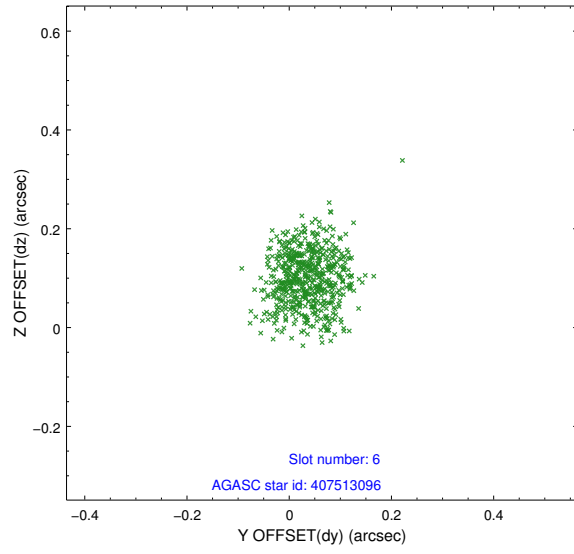
## 2.4.2 Slot 4



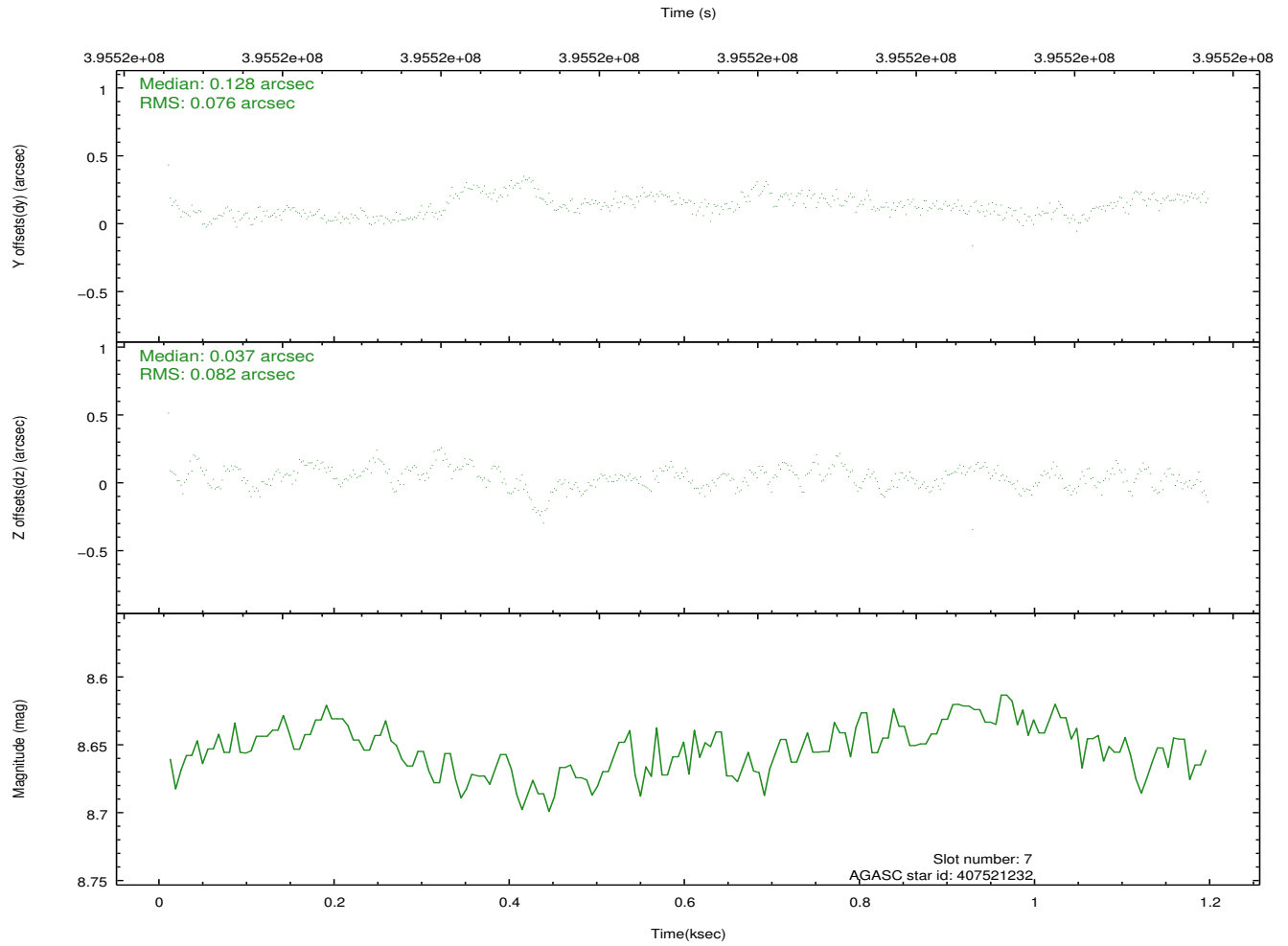
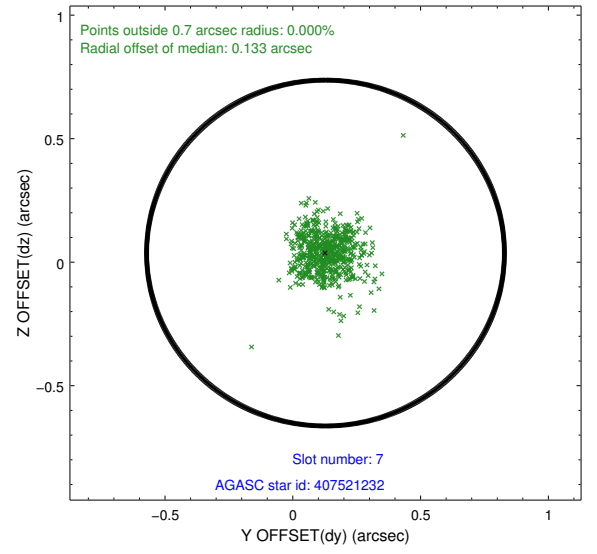
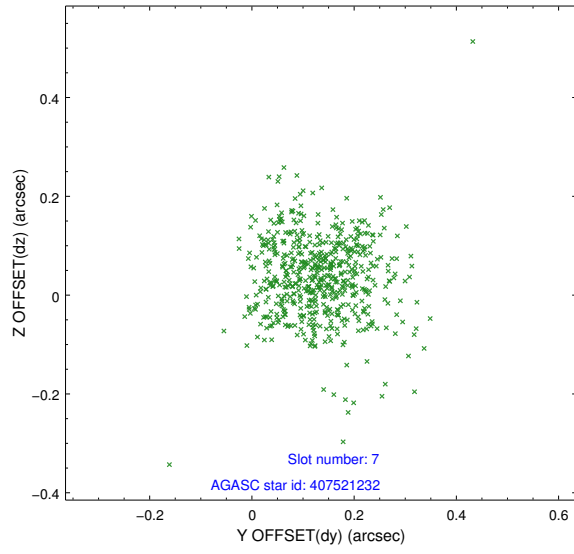
### 2.4.3 Slot 5



## 2.4.4 Slot 6

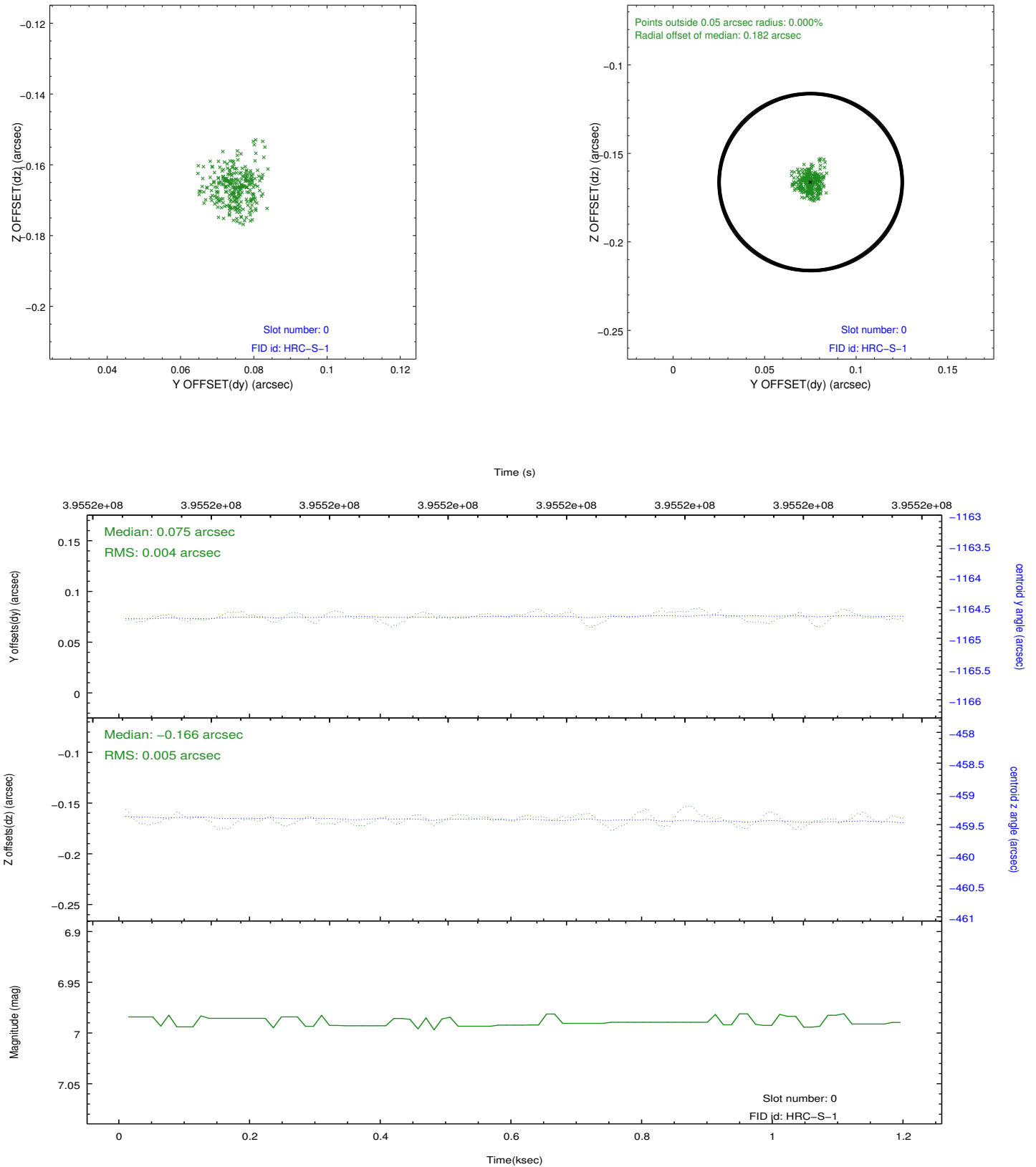


## 2.4.5 Slot 7

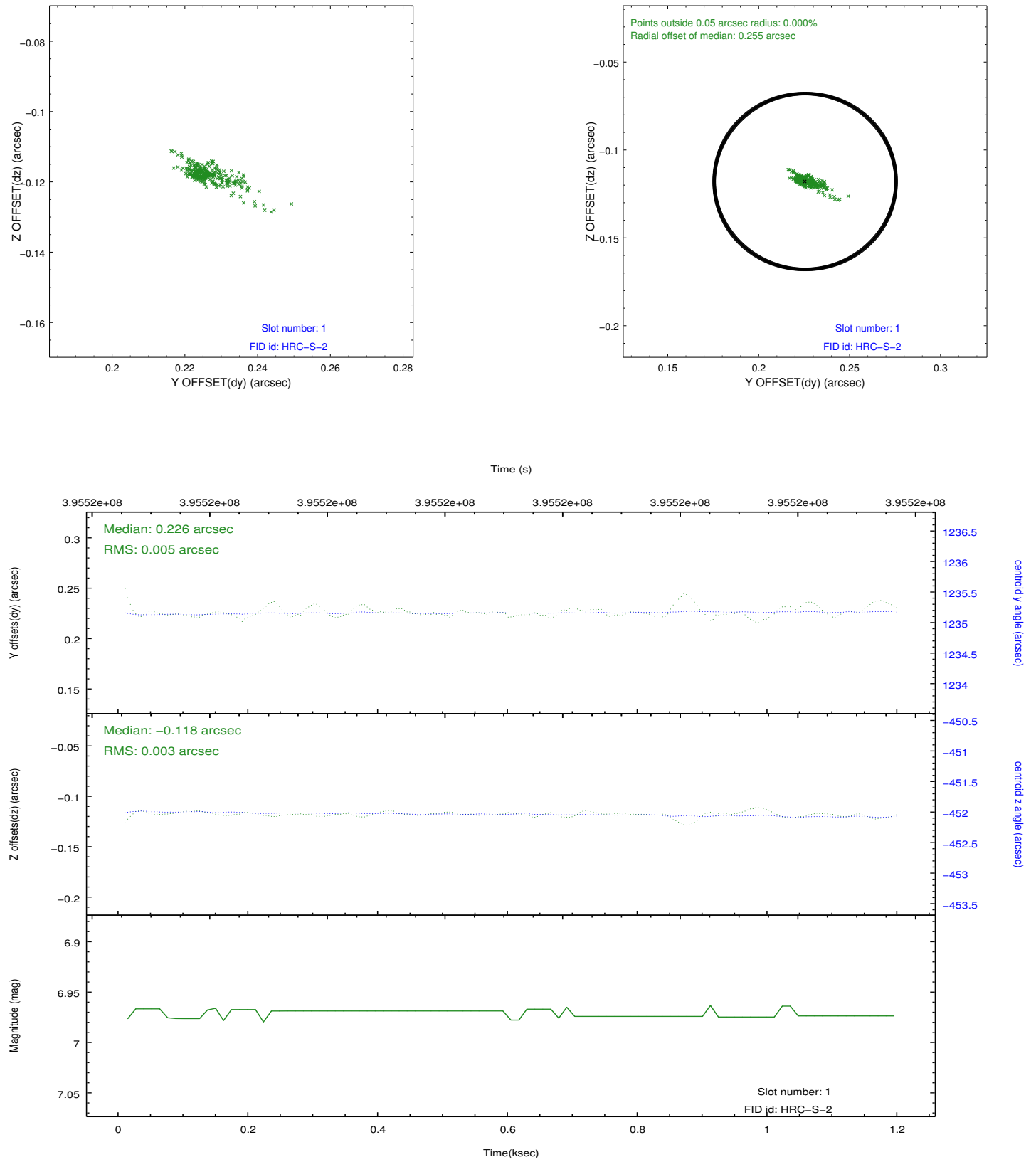


## 2.5 FID Slots

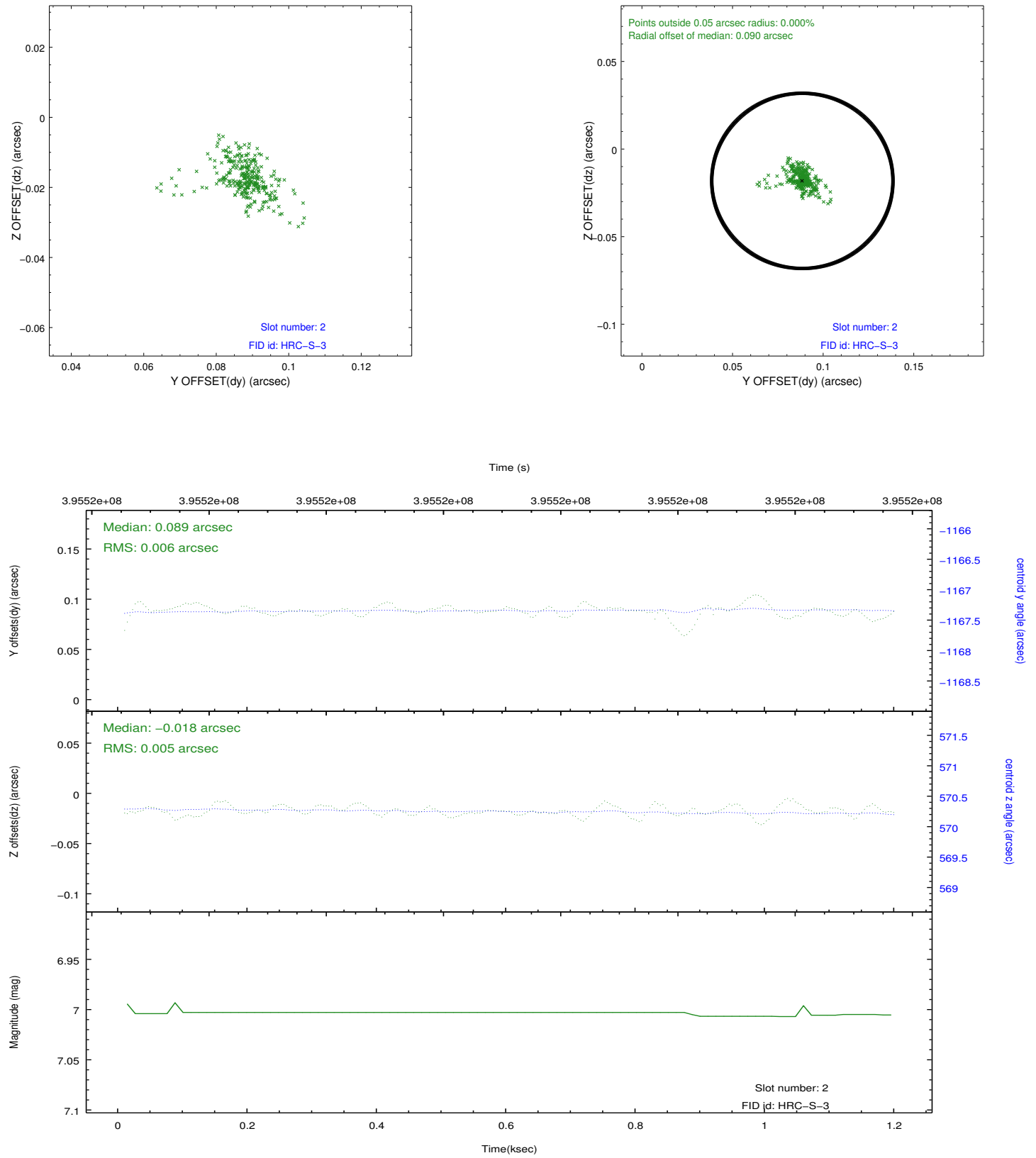
### 2.5.1 Slot 0



## 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	1.1882313107848

### A.2 Comments

Window preference met.