

# V&V Reference Report

## L2 ASCDS Version : 10.5

Observation 18413 - L2 Version 1  
Chandra X-Ray Center

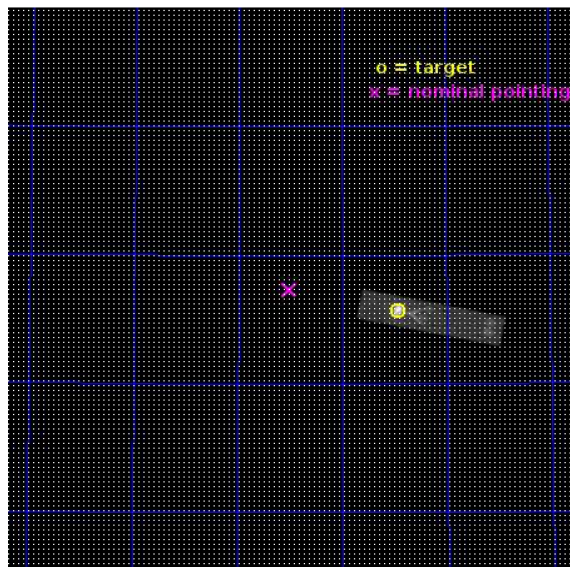
L2 Processing Date : Jul 11 2016

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# 1 Front

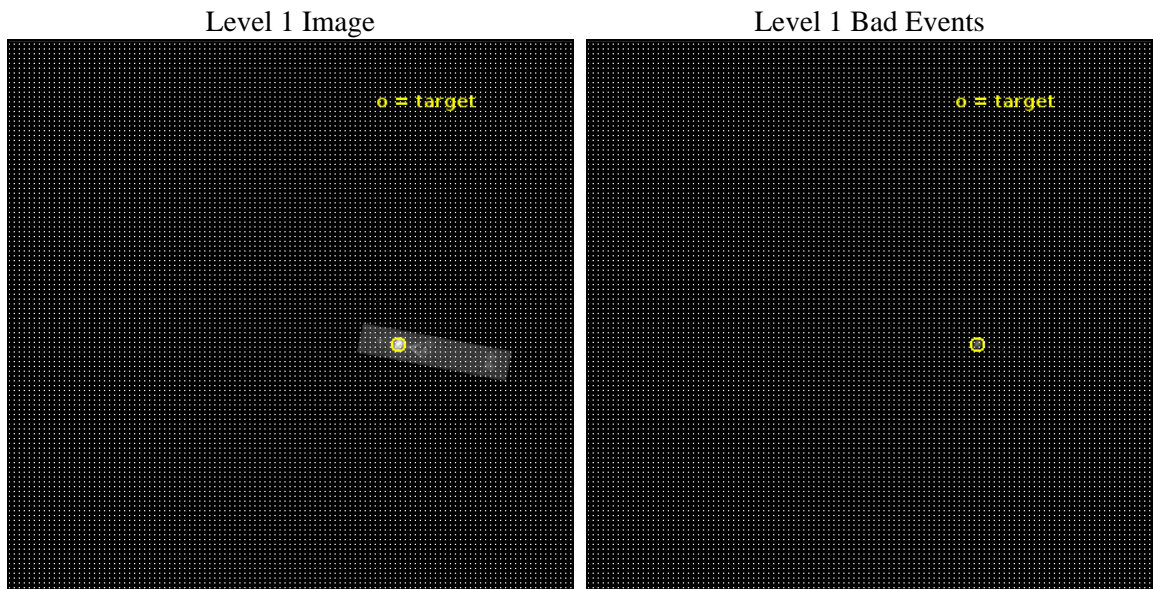
seq_num	291308	Sequence number
obs_id	18413	Observation id
title	AO-17 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235833	Observer's specified target RA [deg]
dec_targ	38.78475	Observer's specified target Dec [deg]
ra_nom	279.75441112206	Nominal RA [deg]
dec_nom	38.866449113954	Nominal Dec [deg]
roll_nom	191.27583486106	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1186.1813181639	[s]
liveltime	527.22907440401	Ontime multiplied by DTCOR
l2events	210839	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	10.5	Processing system revision	ontime	1186.1813181639	[s]
caldbver	4.7.2	&#160	l1events	251850	Number of level 1 events
date	2016-07-11T07:29:18	Date and time of file creation			
revision	1	Processing version of data			

### 2.1.3 Events

Level 1 Events

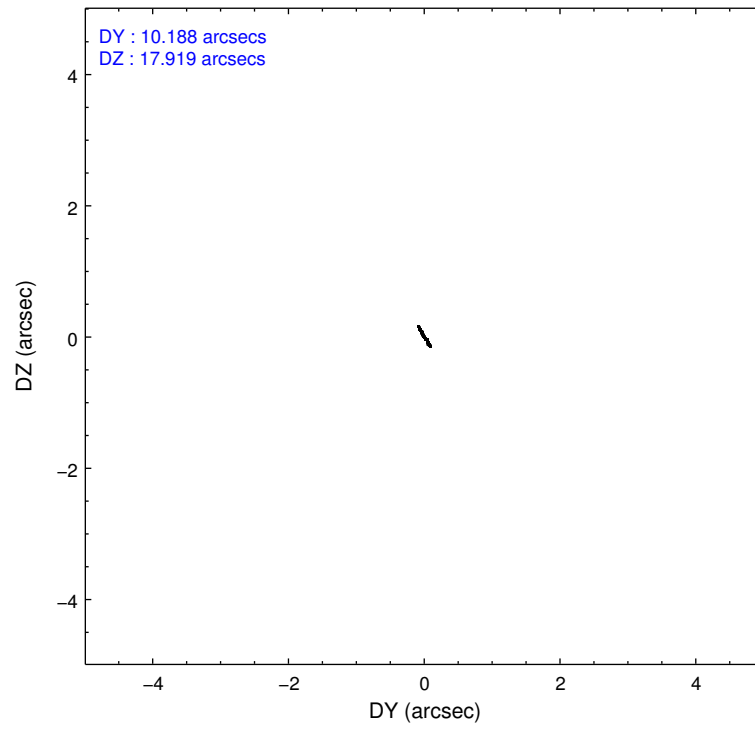
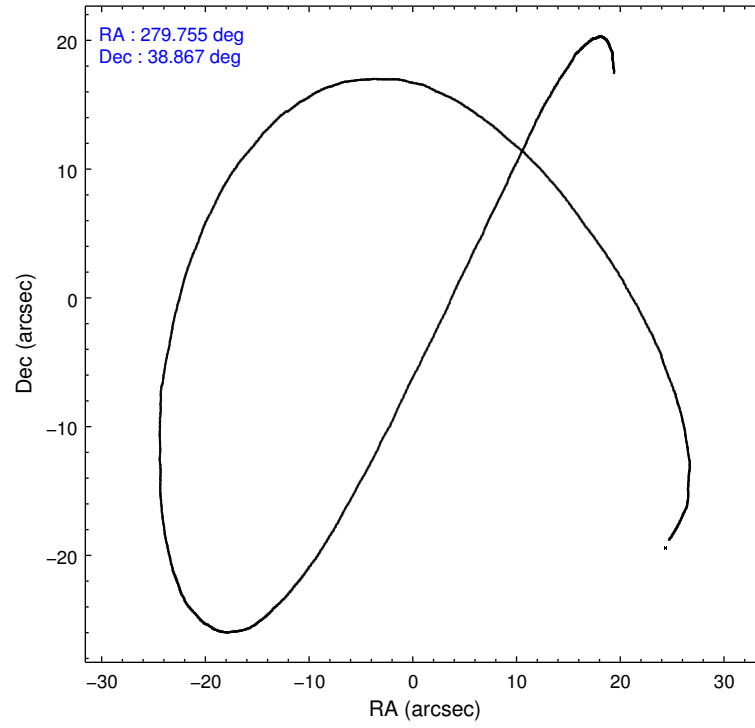
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	6	29	251815
rejected events	6	19	33107
rejected %	100%	65%	13%

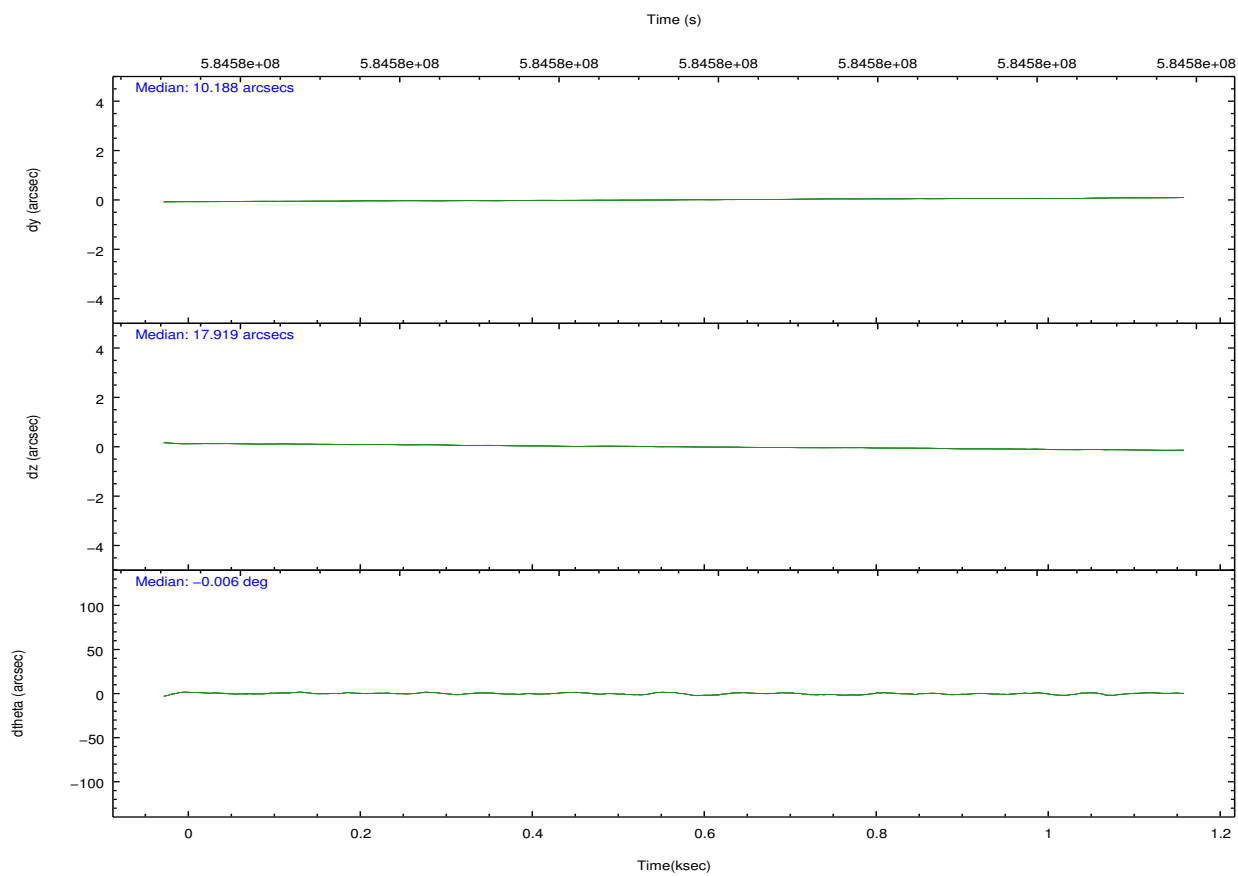
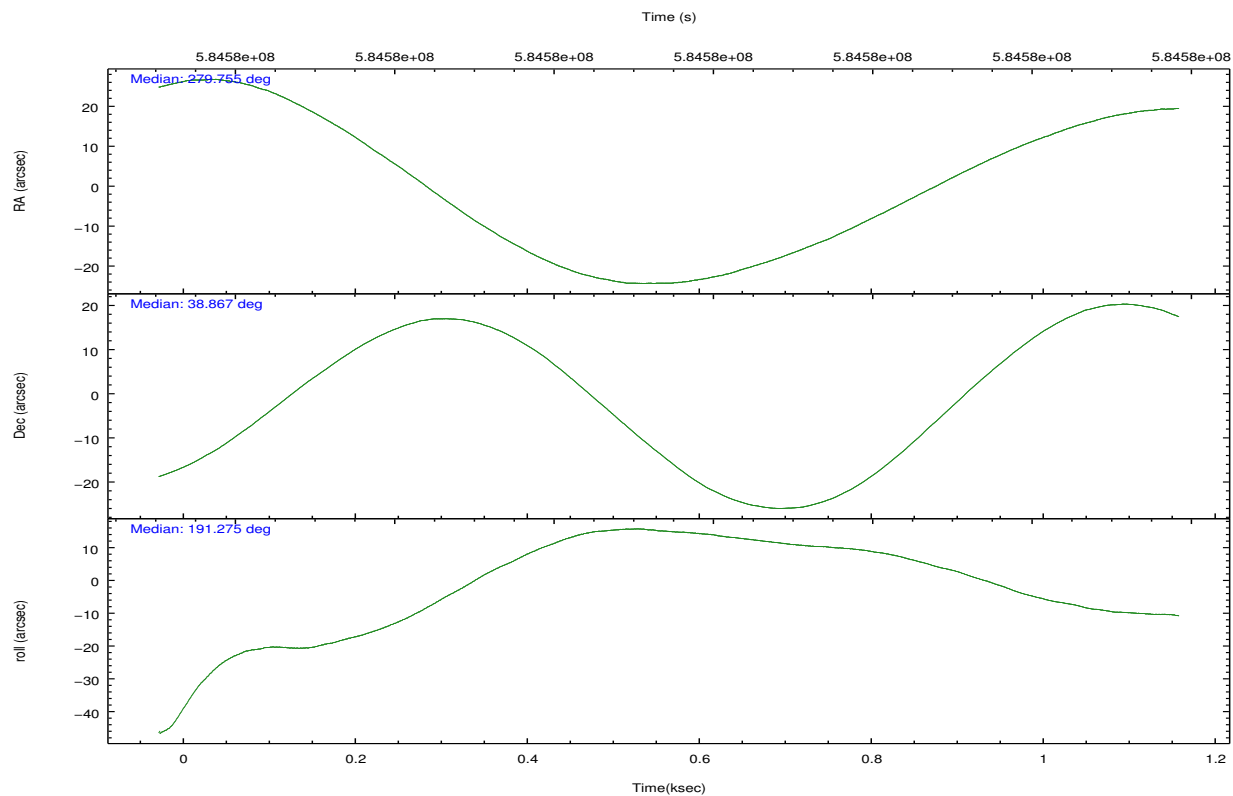
## 2.2 Compared Parameters

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	279.780620	279.7544111220623
[deg] Pointing Dec	38.886017	38.86644911395435
[deg] Pointing Roll	191.192157	191.2758348610556
[s] Window start time (MET)	581126468.184000	581126468.184000
[s] Window stop time (MET)	586310468.184000	586310468.184000
[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)	584576926.184000	584576548.57196
Observation start date	2016-07-10T22:27:38	2016-07-10T22:22:28
[s] Observation end time (MET)	584577926.184000	584578345.39706
Observation end date	2016-07-10T22:44:18	2016-07-10T22:52:25

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

## 2.3 Aspect





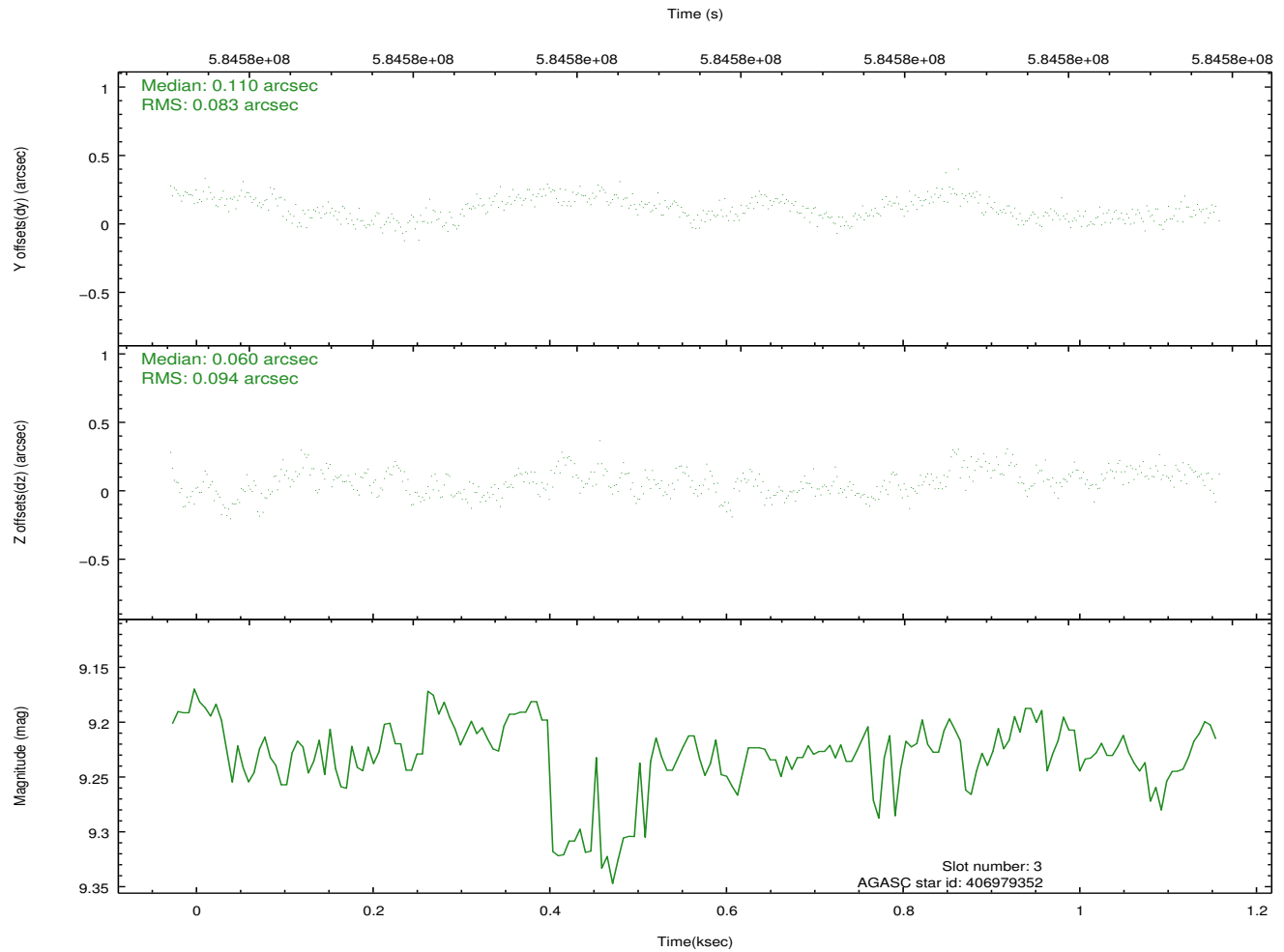
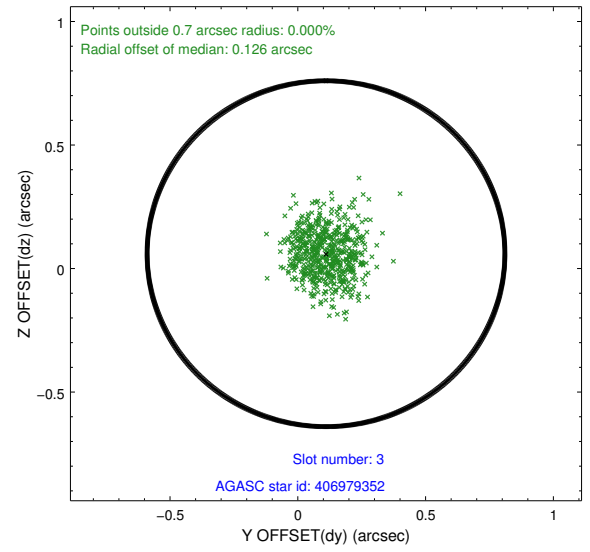
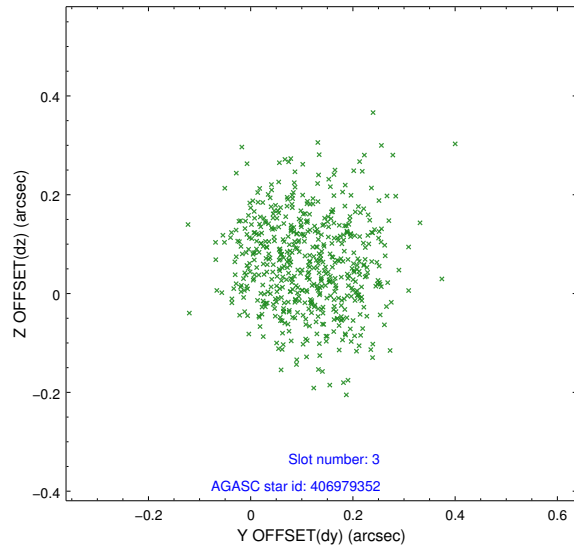
### Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.10	290	-0.078	-0.163	0.005	0.010	0.000000	0.000000	-1164.57	-466.89
1	FID		HRC-S-2	7.06	290	0.204	-0.134	0.009	0.014	0.000000	0.000000	1231.35	-461.01
2	FID		HRC-S-4	7.04	290	0.276	-0.007	0.008	0.014	0.000000	0.000000	1238.22	563.86
3	GUIDE	used	406979352	9.23	579	0.110	0.060	0.132	0.216	279.968297	39.230258	-751.57	-1110.27
4	GUIDE	used	406980288	9.26	579	-0.008	0.037	0.177	0.297	278.903147	39.061646	2278.73	-1111.46
5	GUIDE	used	406983600	8.90	579	-0.006	-0.005	0.114	0.185	279.940957	39.020708	-529.04	-387.49
6	GUIDE	used	406989616	8.21	580	-0.294	-0.318	0.086	0.136	279.202881	38.520843	1851.56	969.57
7	GUIDE	used	407513096	8.12	578	0.186	0.234	0.085	0.138	279.928965	39.436841	-783.91	-1861.95

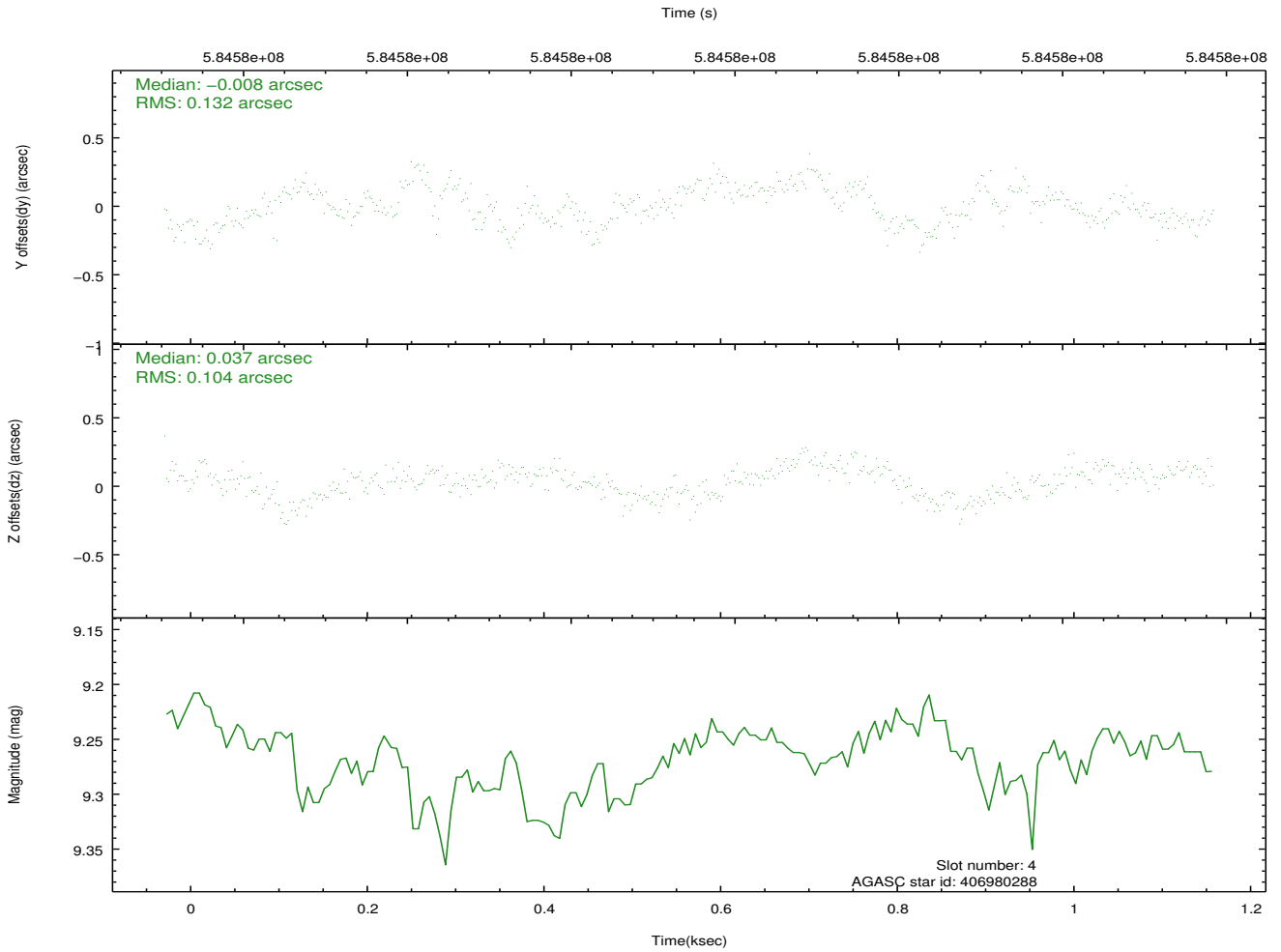
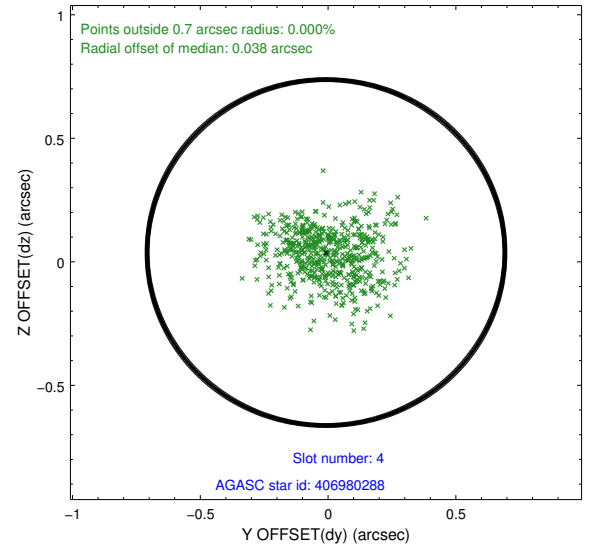
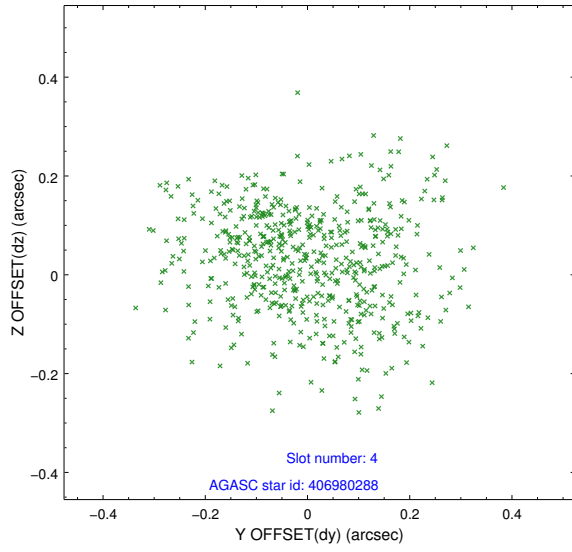


## 2.4 Star Slots

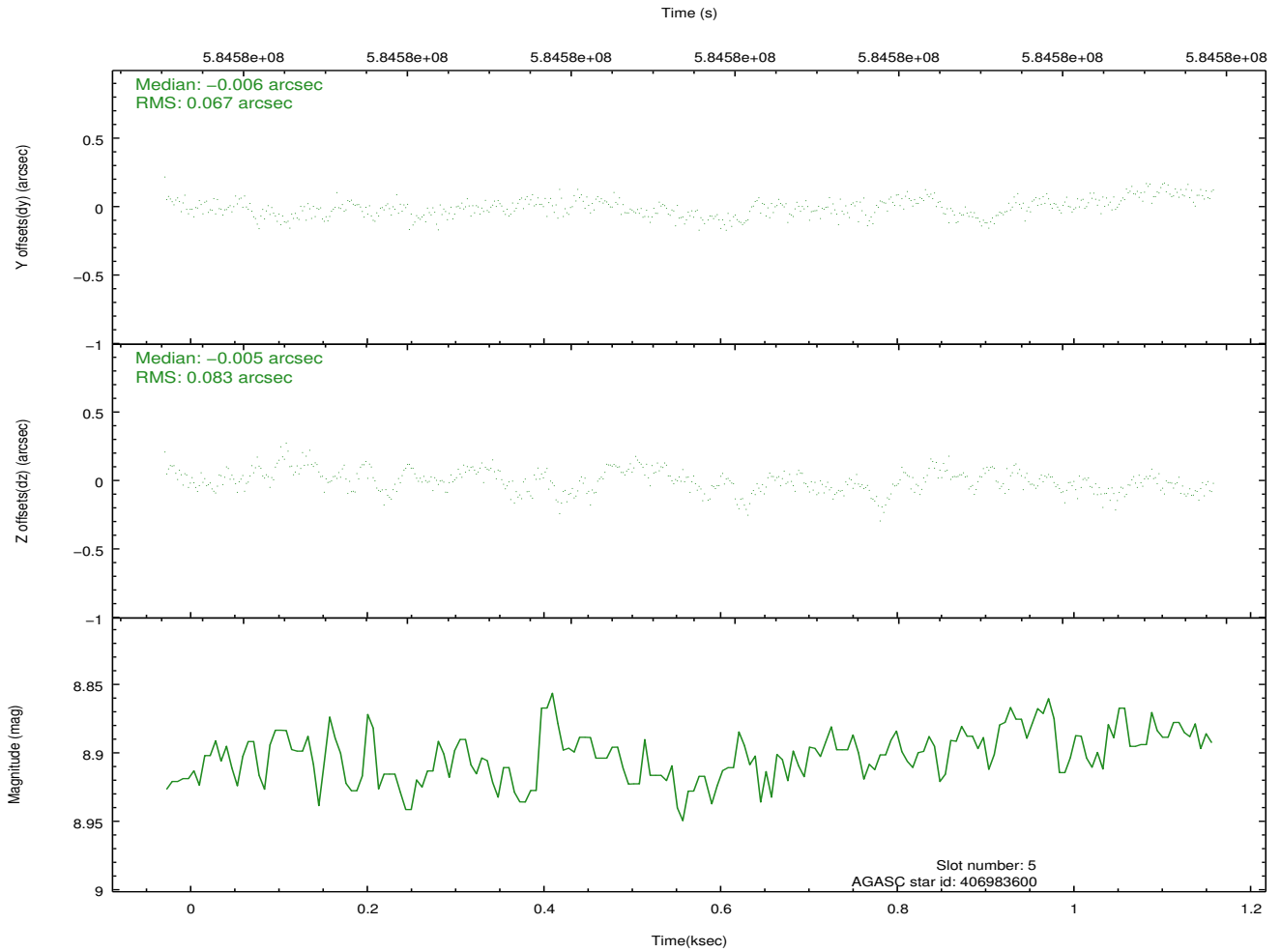
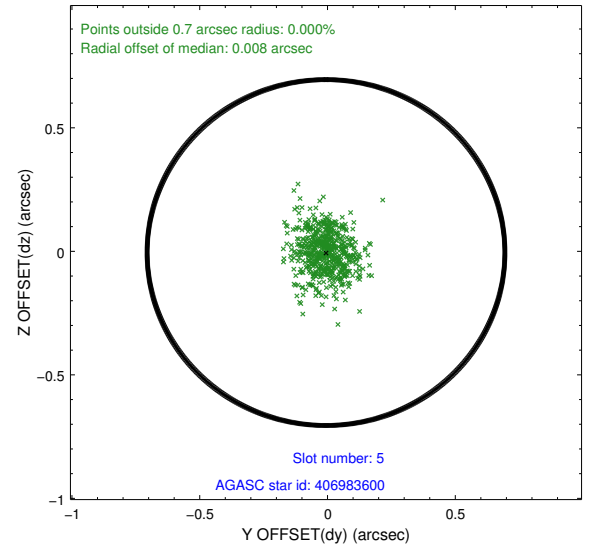
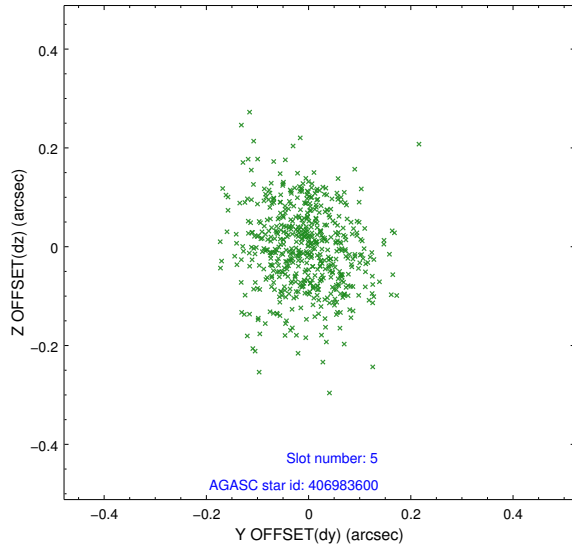
### 2.4.1 Slot 3



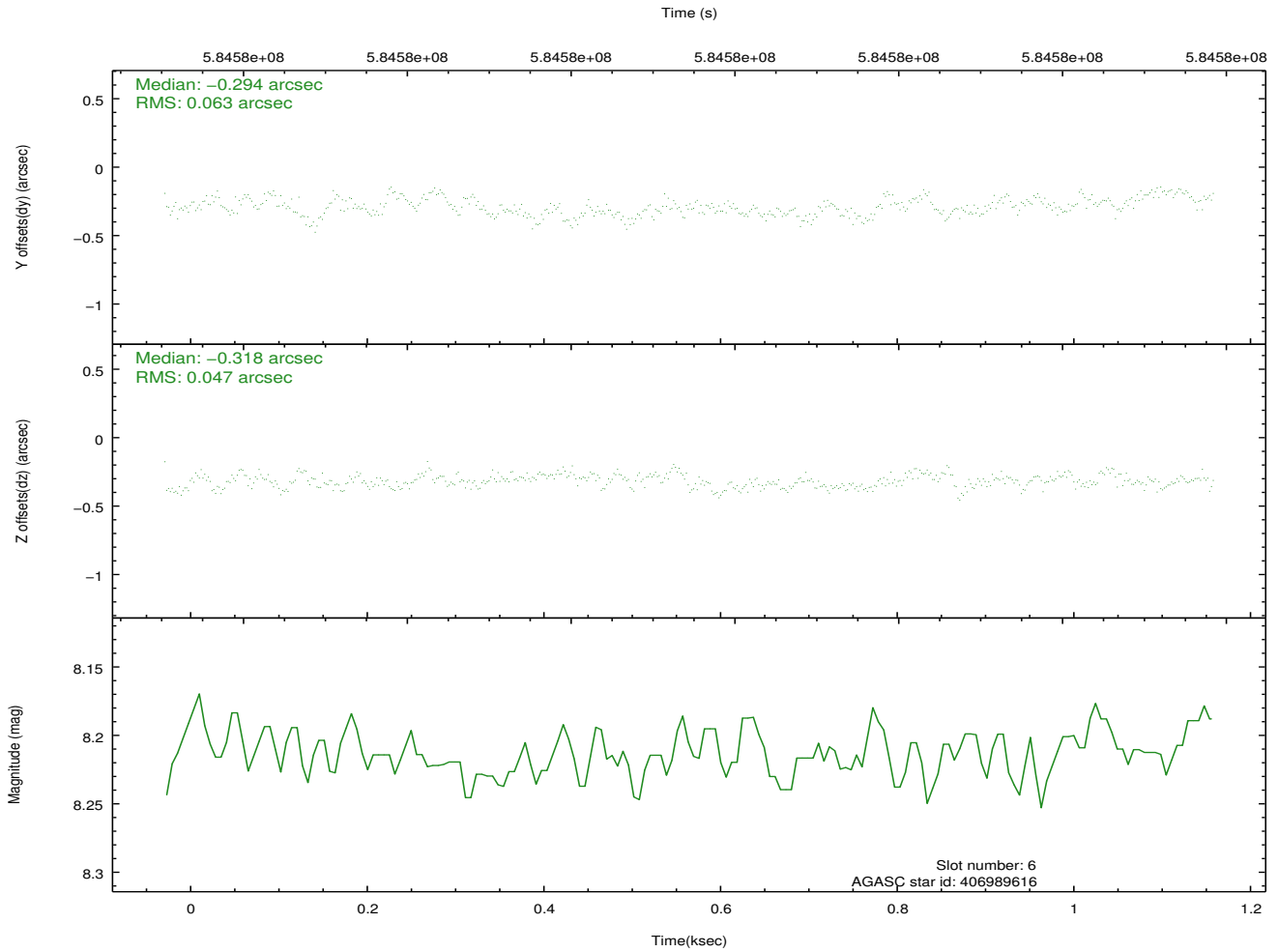
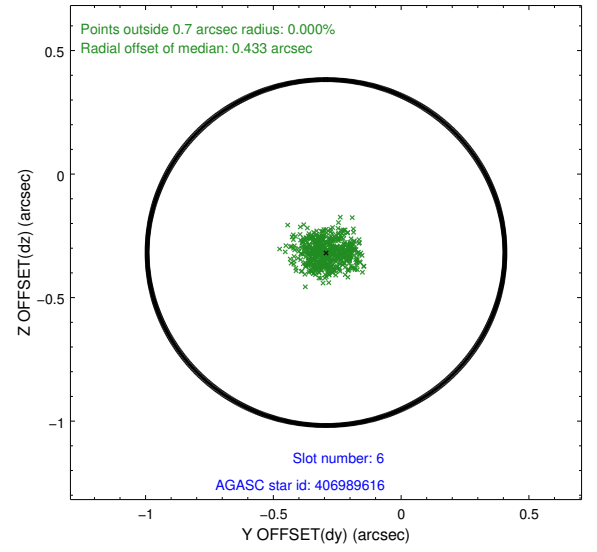
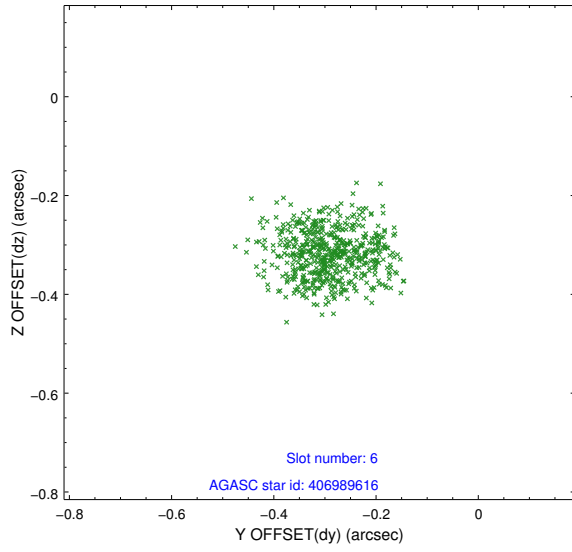
## 2.4.2 Slot 4



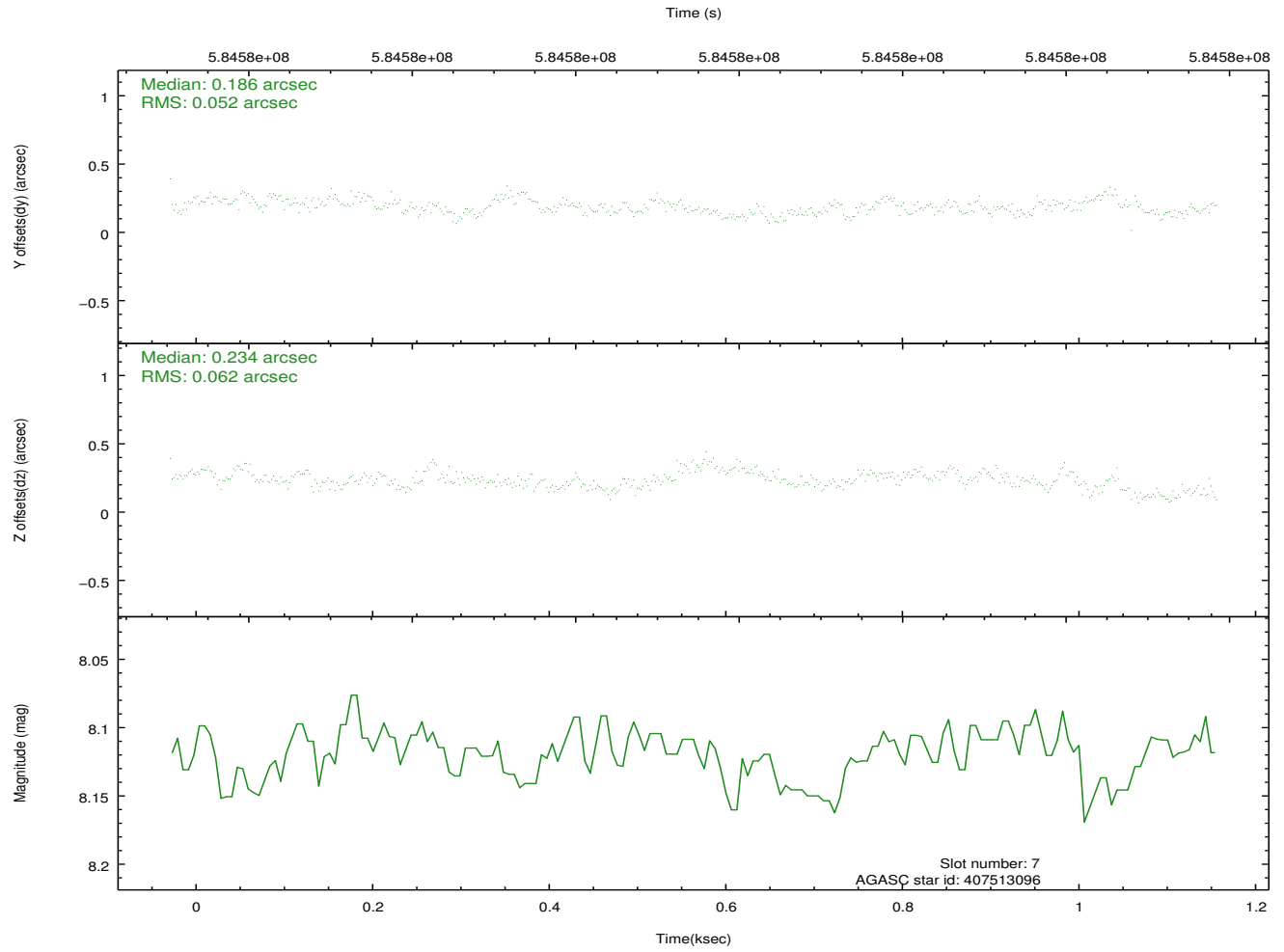
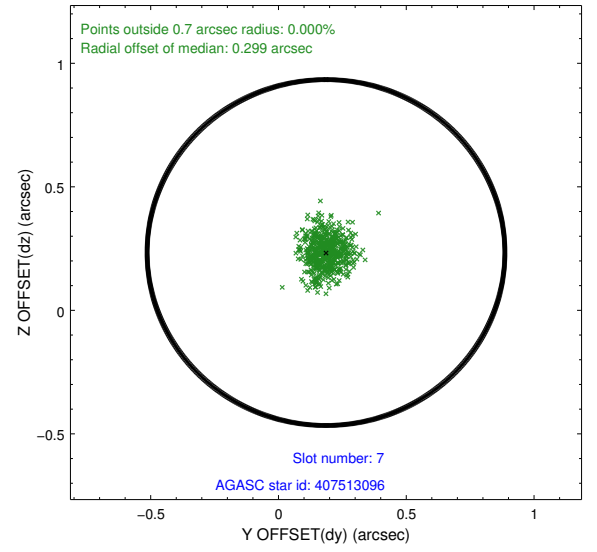
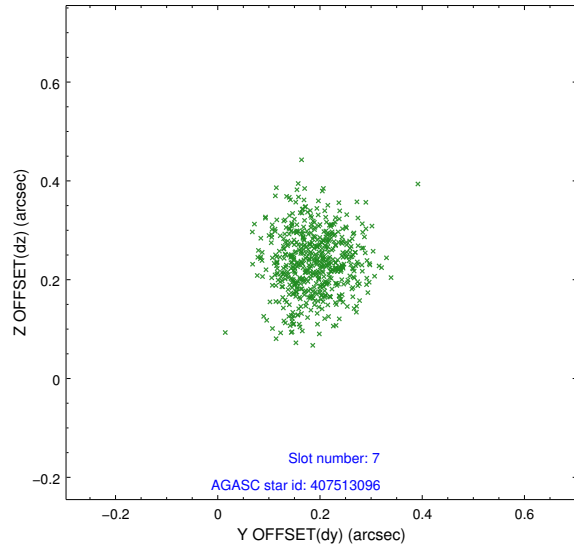
### 2.4.3 Slot 5



## 2.4.4 Slot 6

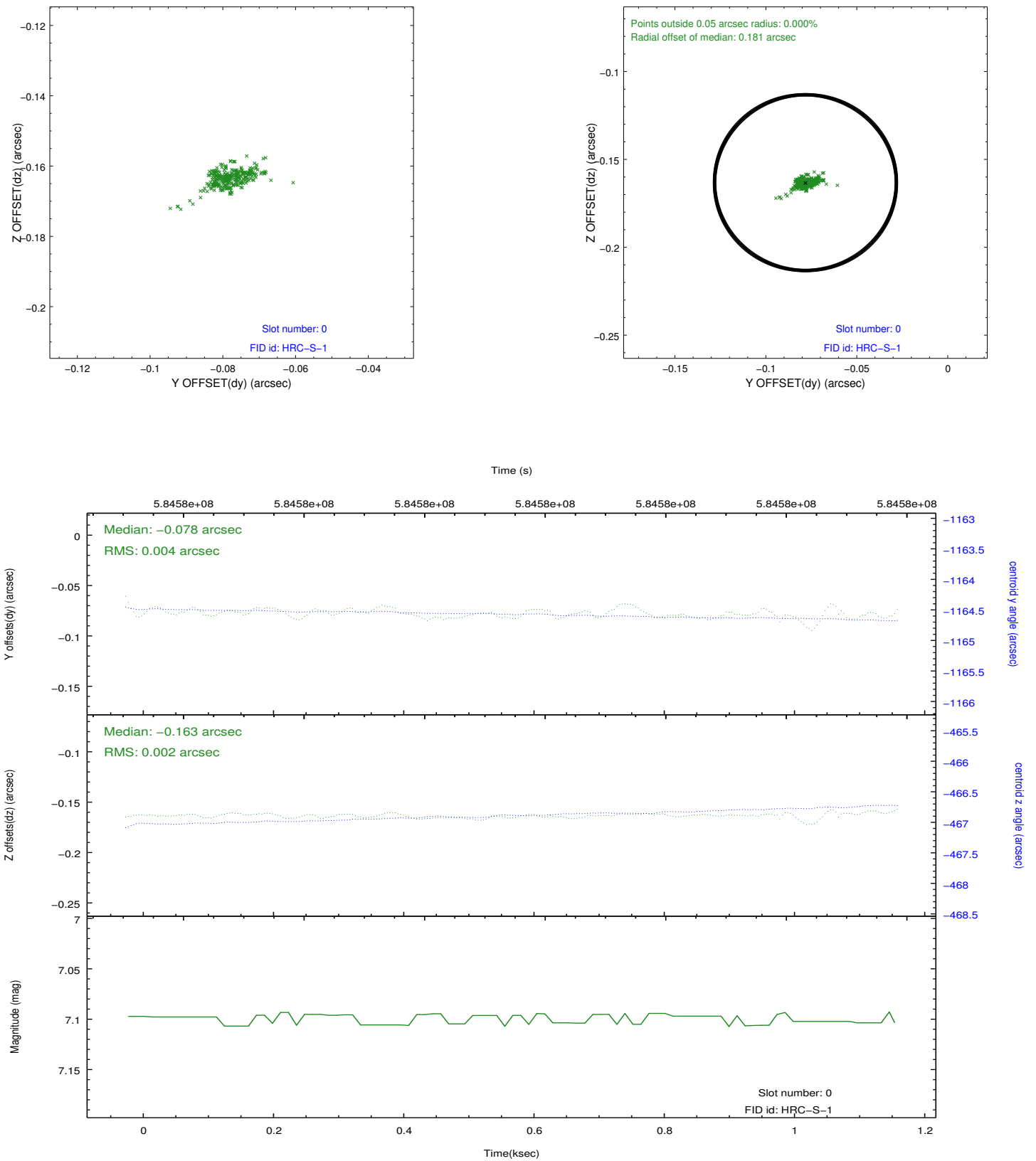


## 2.4.5 Slot 7

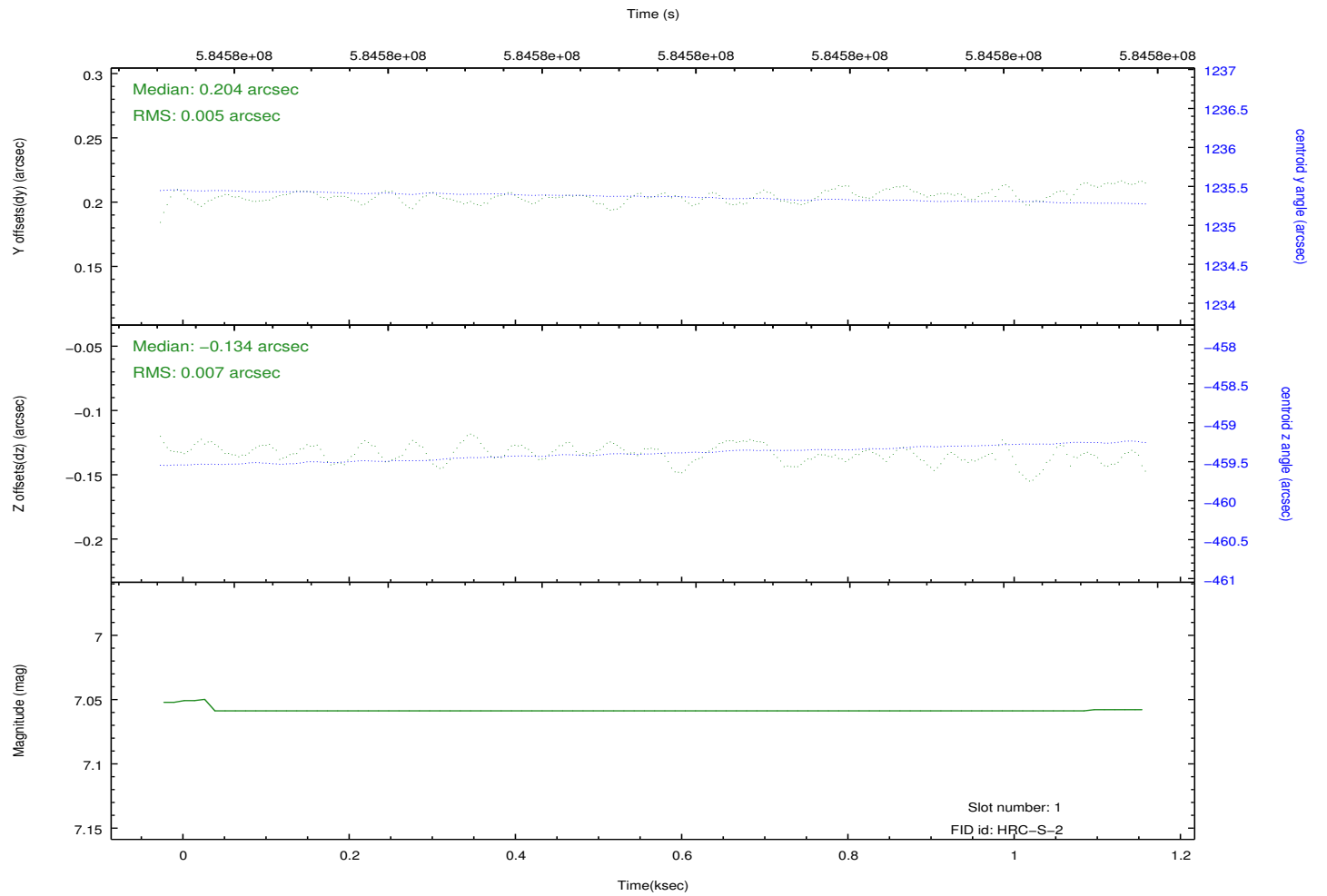
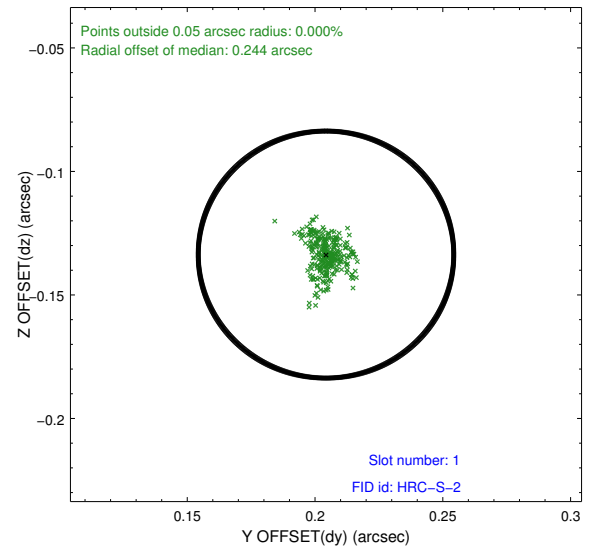
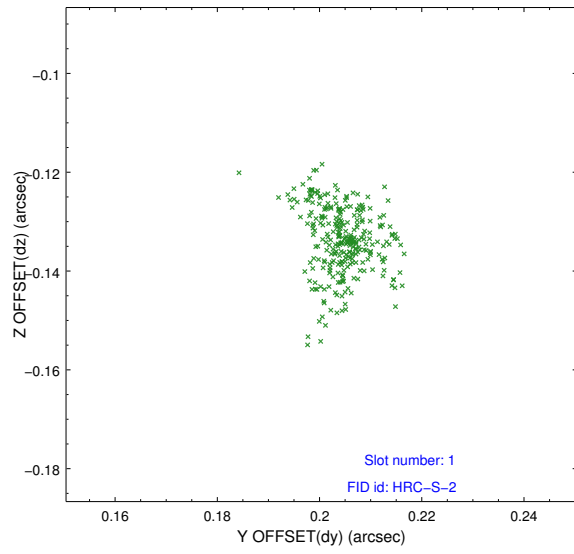


## 2.5 FID Slots

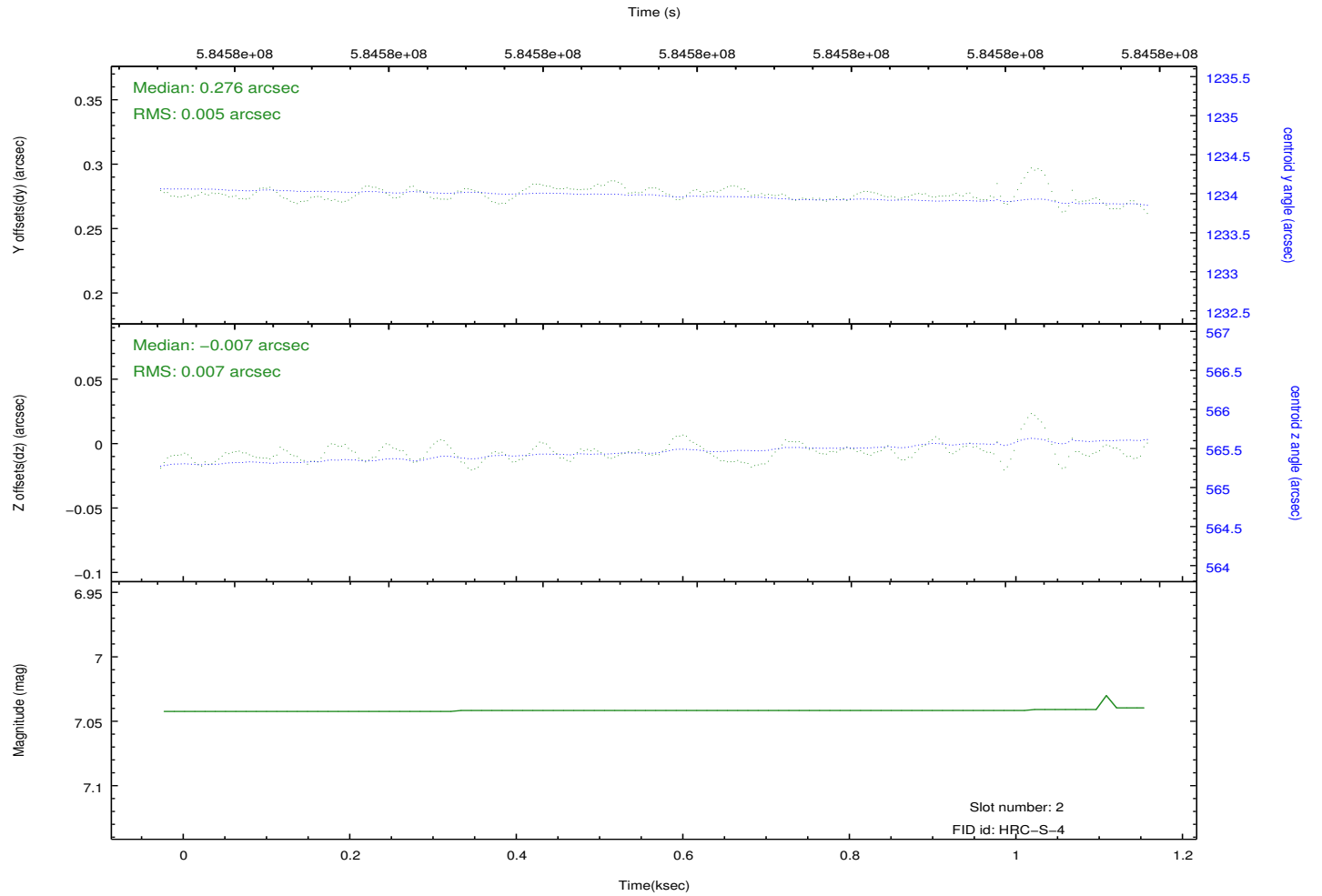
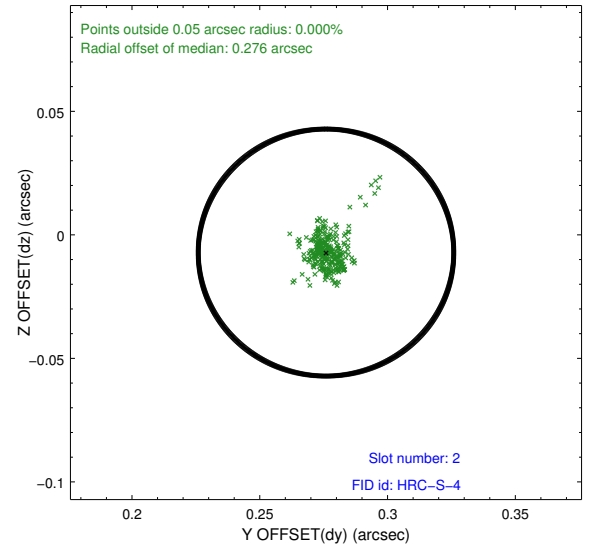
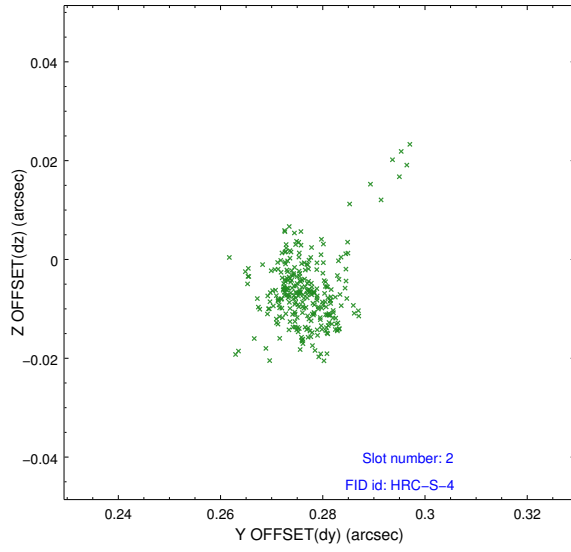
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2016.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1861813181639

### A.2 Comments