

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9623 - L2 Version 3  
Chandra X-Ray Center

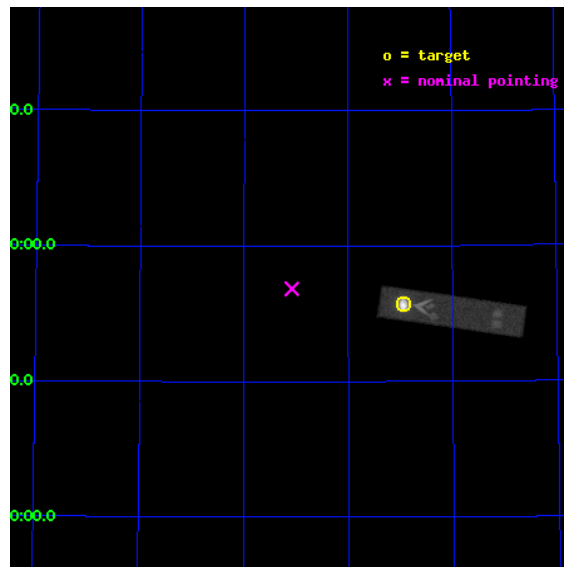
L2 Processing Date : Aug 12 2012

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# 1 Front

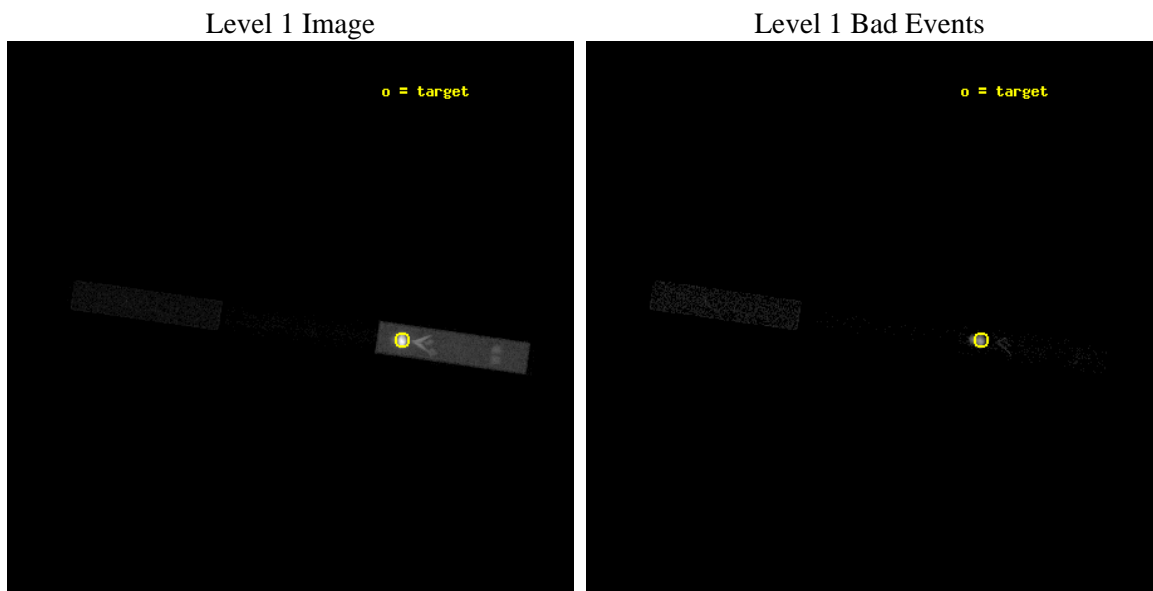
seq_num	290746	Sequence number
obs_id	9623	Observation id
title	AO9 Measurements of the optical/UV Transmission of the HRC Filters.	&#160
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.77039053728	Nominal RA [deg]
dec_nom	38.843447098317	Nominal Dec [deg]
roll_nom	8.0048042295593	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2180.4313555956	[s]
livetime	827.46558554451	Ontime multiplied by DTCOR
l2events	387675	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2180.4313555956	[s]
caldbver	4.5.1.1	&#160	l1events	453179	Number of level 1 events
date	2012-08-12T08:57:20	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

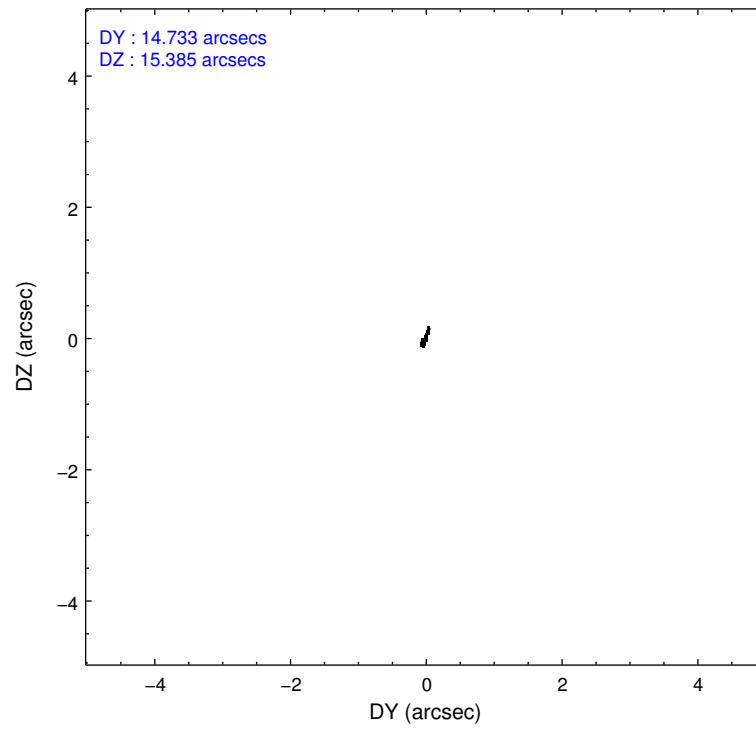
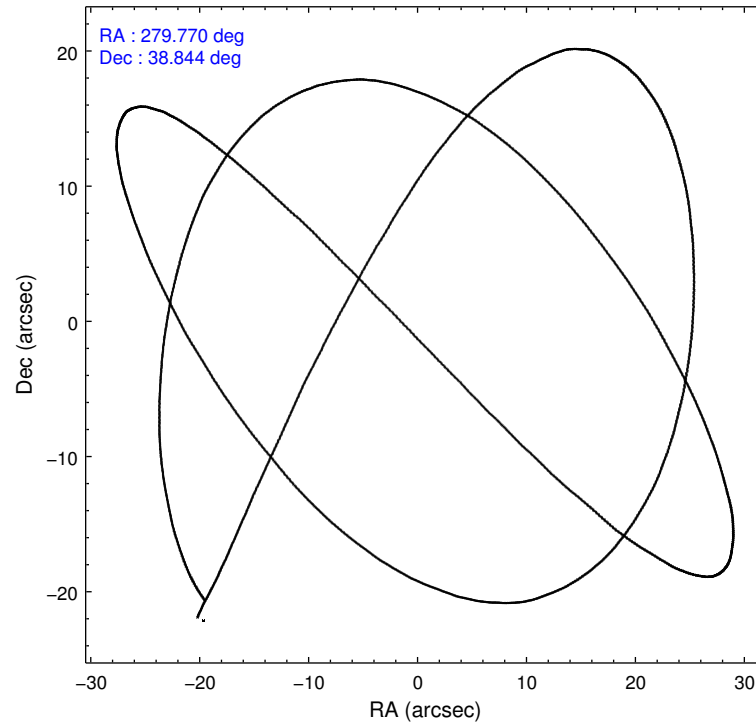
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	447230	388	5561
rejected events	45201	369	5489
rejected %	10%	95%	98%

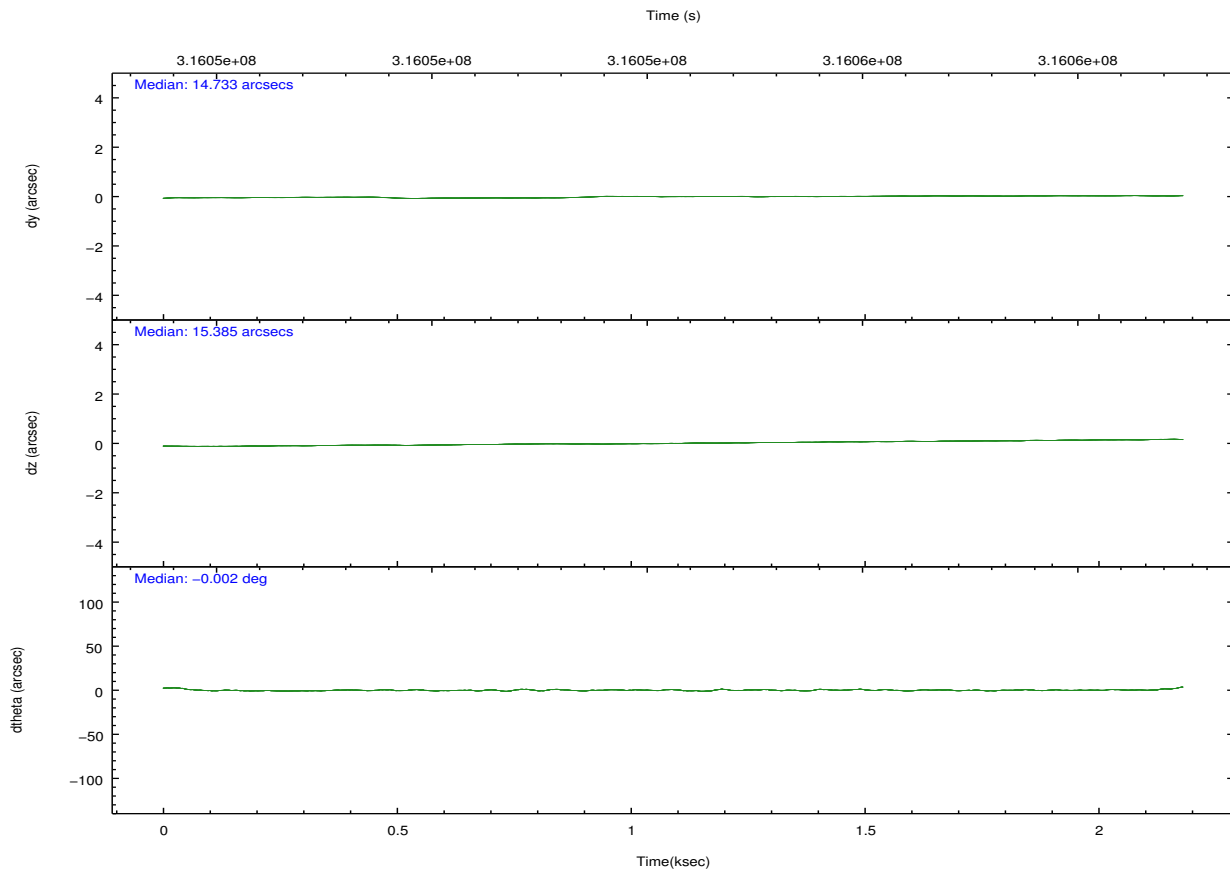
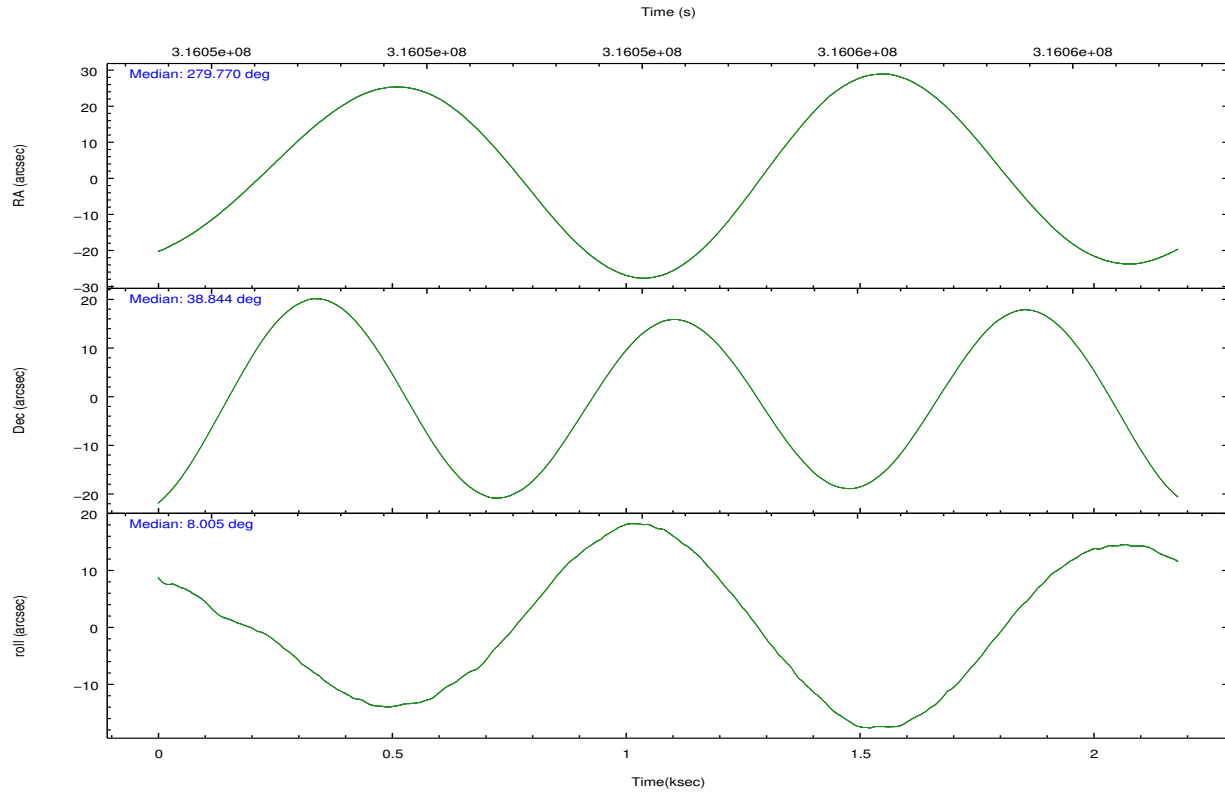
## 2.2 Compared Parameters

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	279.742596	279.7703905372765
[deg] Pointing Dec	38.824349	38.8434470983166
[deg] Pointing Roll	7.954908	8.004804229559294
[s] Window start time (MET)	312854465.184000	312854465.184000
[s] Window stop time (MET)	320544065.184000	320544065.184000
[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)	316053651.184000	316053275.15309
Observation start date	2008-01-07T00:39:46	2008-01-07T00:34:35
[s] Observation end time (MET)	316055651.184000	316055787.94071
Observation end date	2008-01-07T01:13:06	2008-01-07T01:16:27

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

## 2.3 Aspect





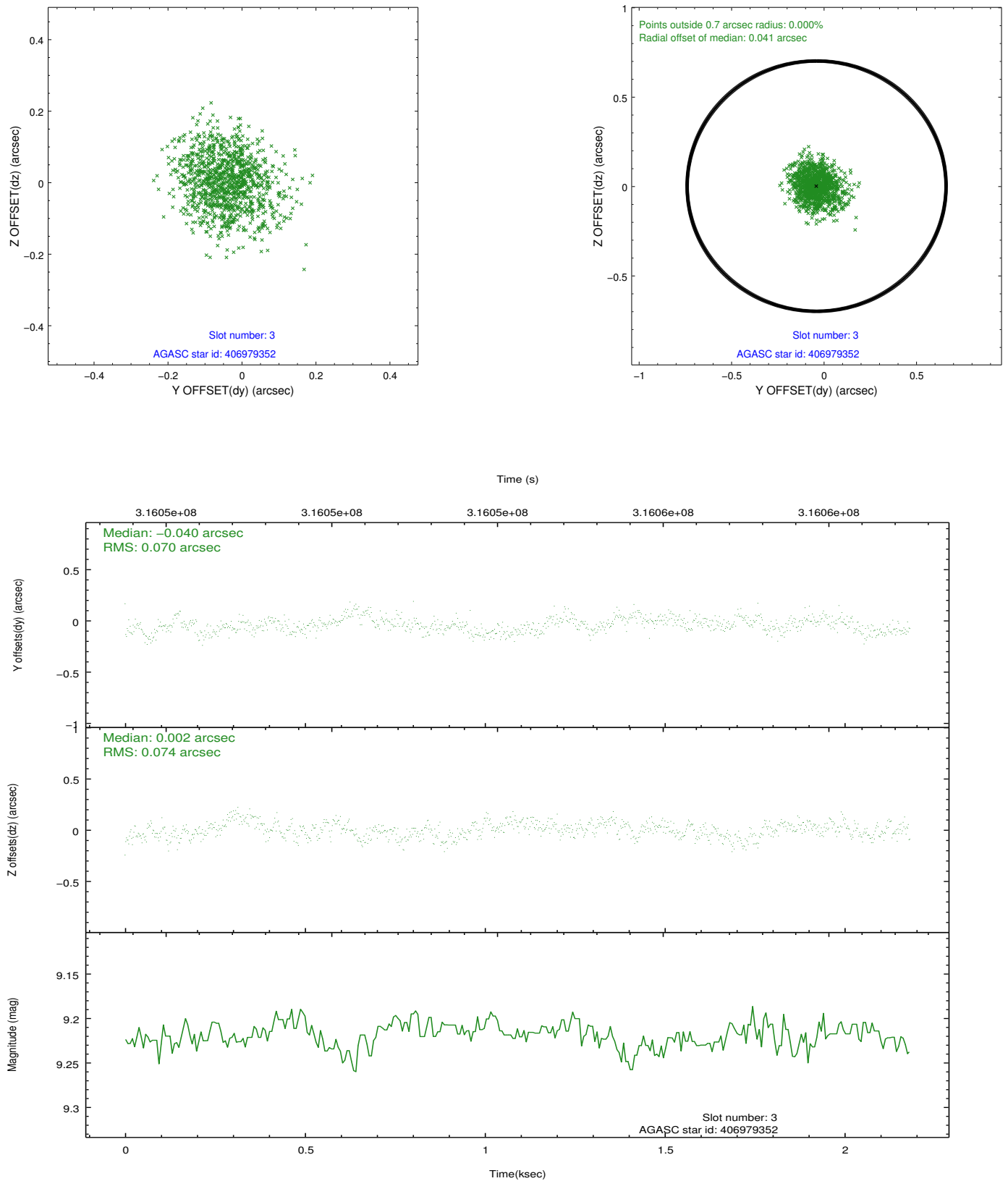
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	532	0.080	-0.212	0.008	0.013	0.000000	0.000000	-1169.11	-464.28
1	FID	HRC-S-2	6.99	532	0.186	-0.103	0.005	0.009	0.000000	0.000000	1228.45	-457.74
2	FID	HRC-S-3	7.01	532	0.123	0.012	0.007	0.012	0.000000	0.000000	-1169.46	564.60
3	GUIDE	406979352	9.22	1064	-0.040	0.002	0.110	0.178	279.968297	39.230258	825.73	1358.54
4	GUIDE	406980288	9.29	1064	0.109	0.013	0.095	0.157	278.903147	39.061646	-2201.71	1183.46
5	GUIDE	406983600	8.89	1064	0.039	-0.002	0.080	0.126	279.940957	39.020708	645.99	623.16
6	GUIDE	406989616	8.22	1065	0.103	0.158	0.068	0.113	279.202881	38.520843	-1655.36	-867.67
7	GUIDE	407513096	8.14	1064	-0.210	-0.175	0.081	0.125	279.928965	39.436841	816.70	2110.48

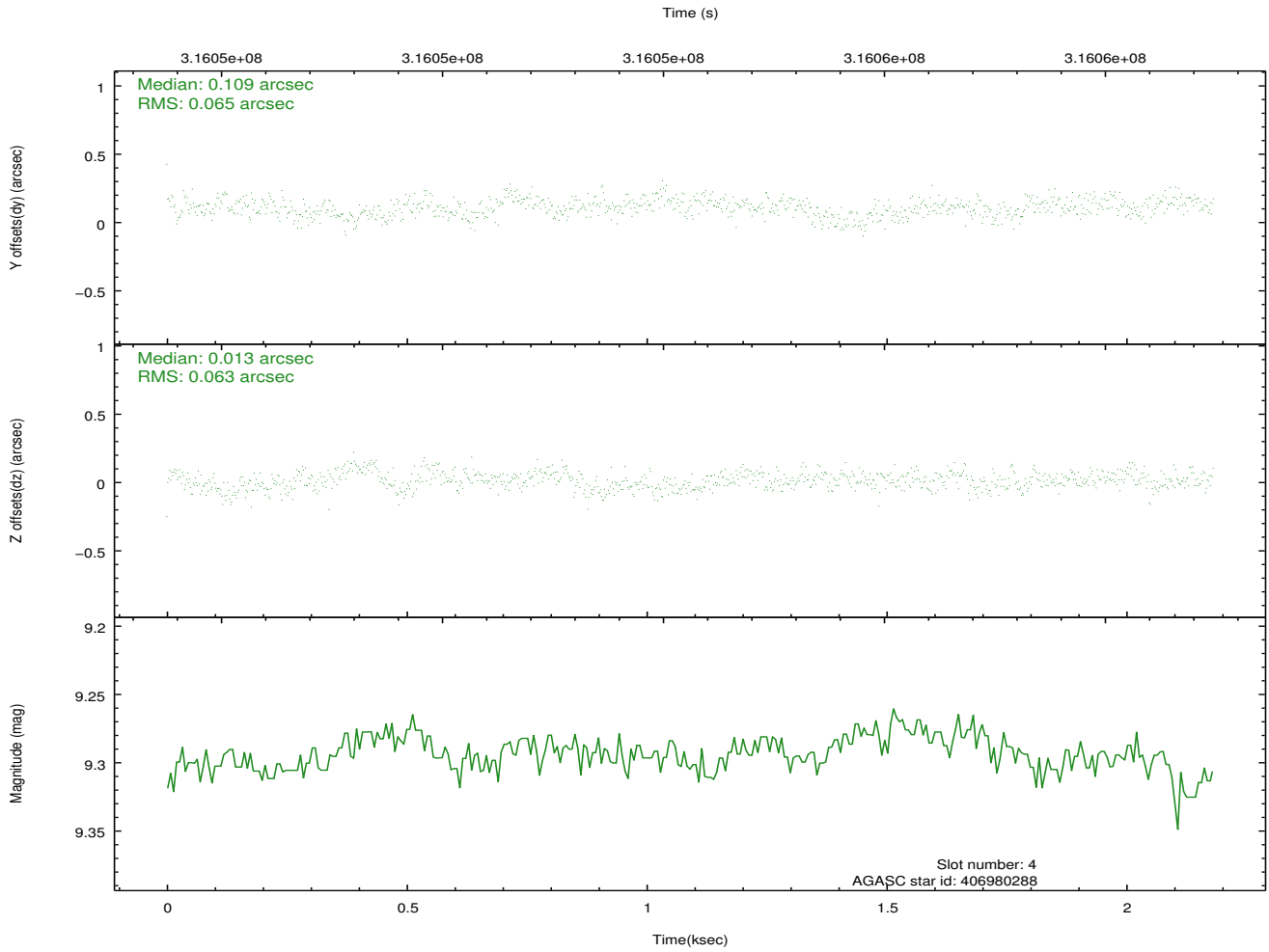
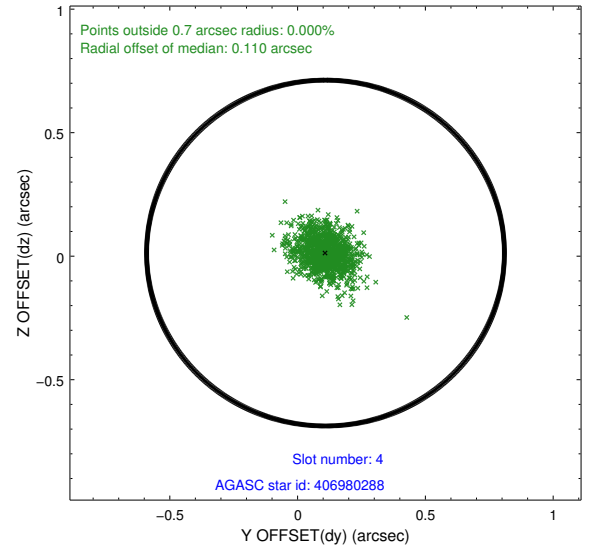
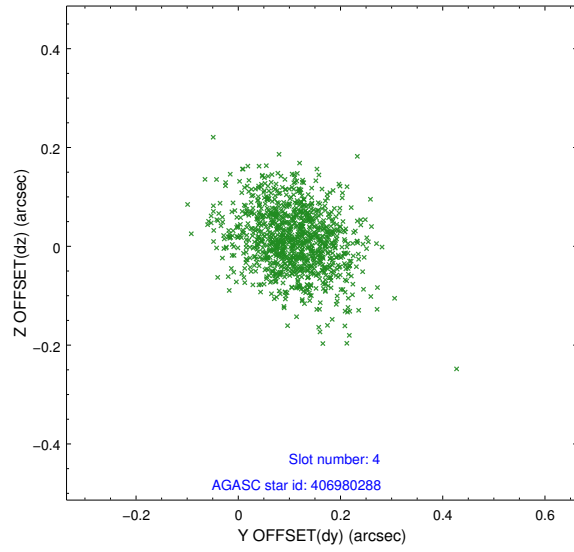


## 2.4 Star Slots

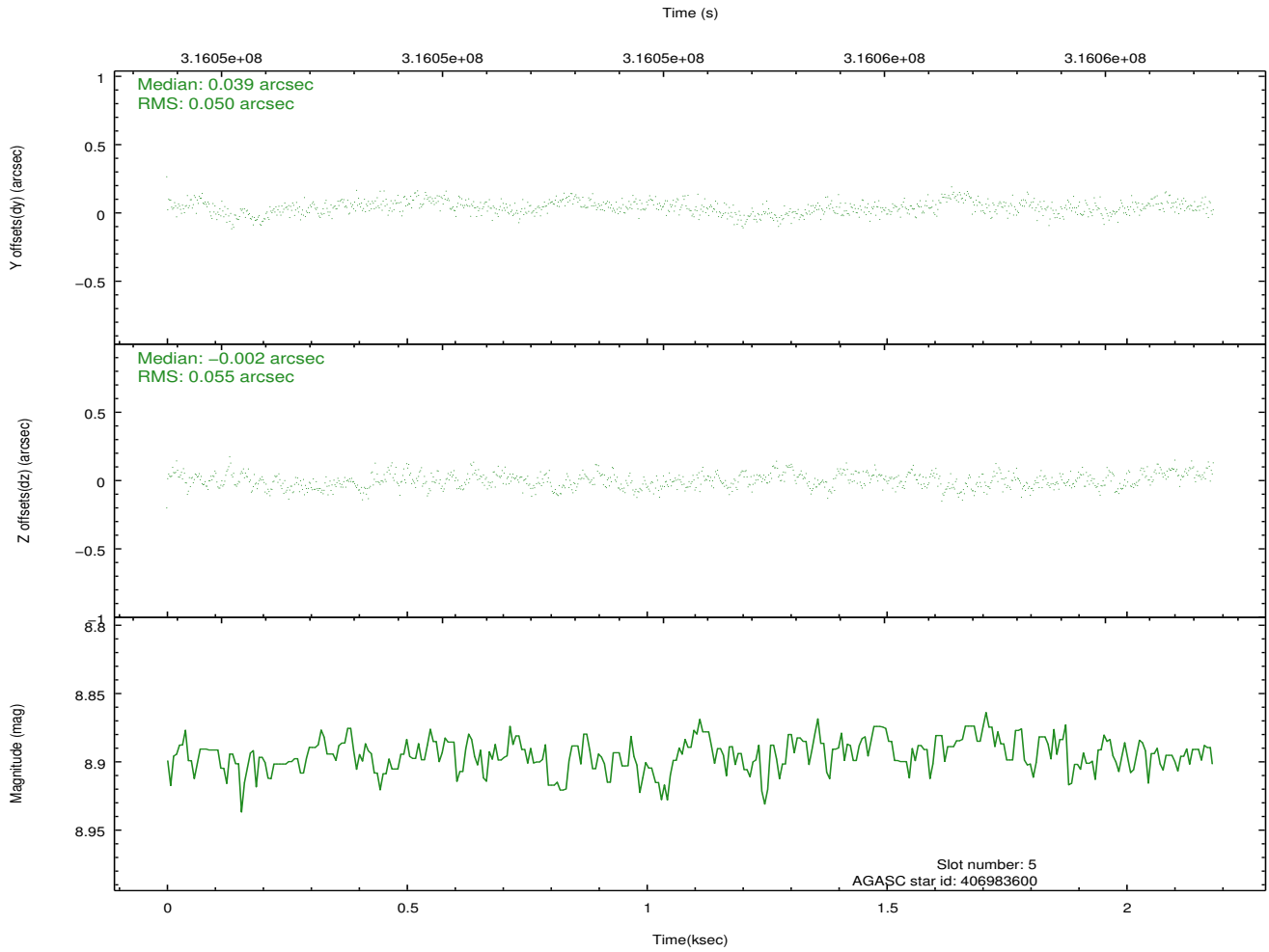
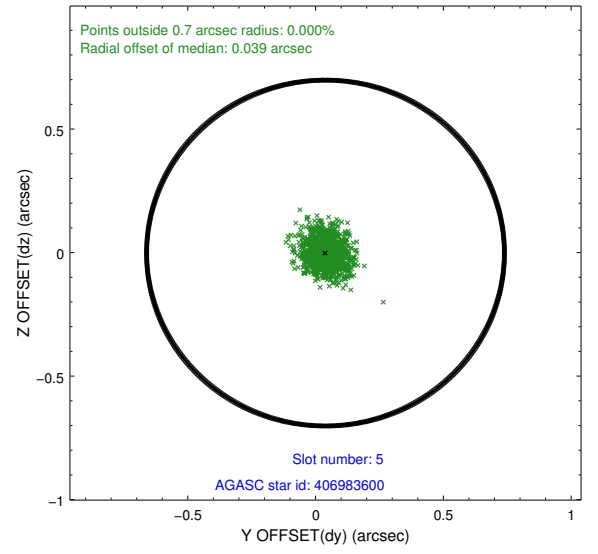
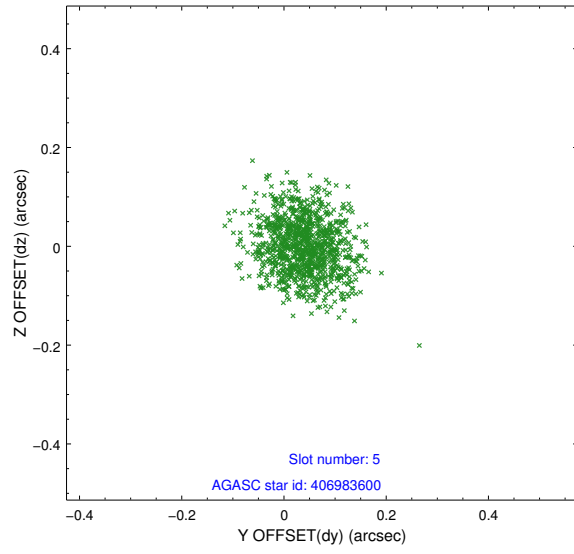
### 2.4.1 Slot 3



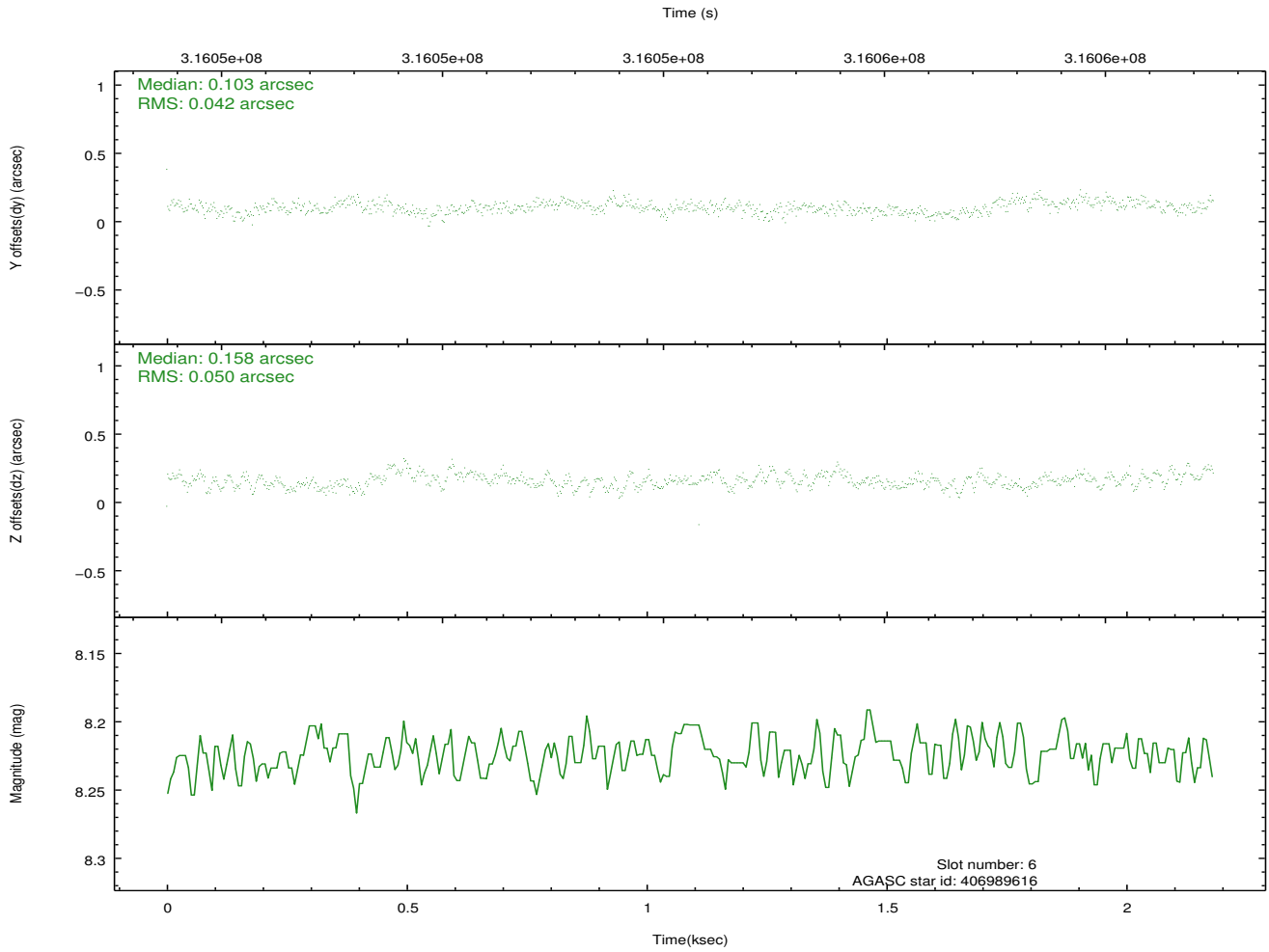
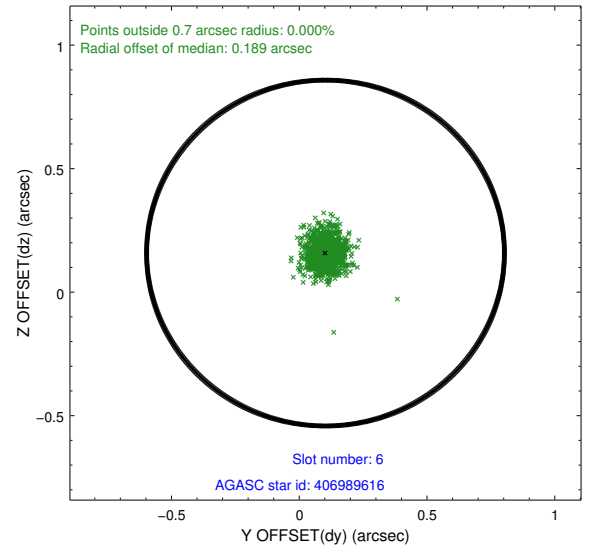
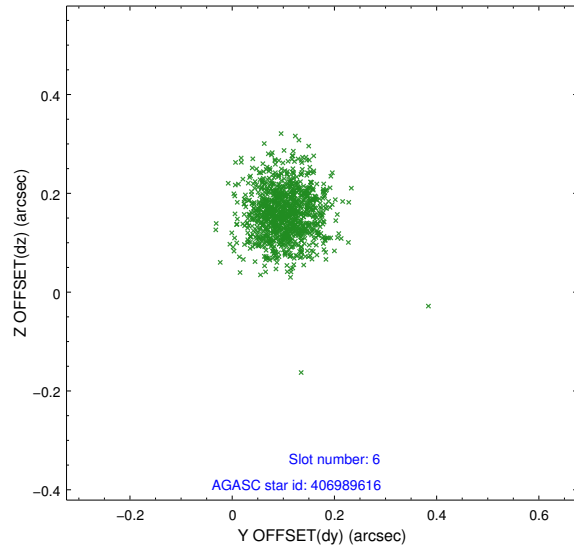
## 2.4.2 Slot 4



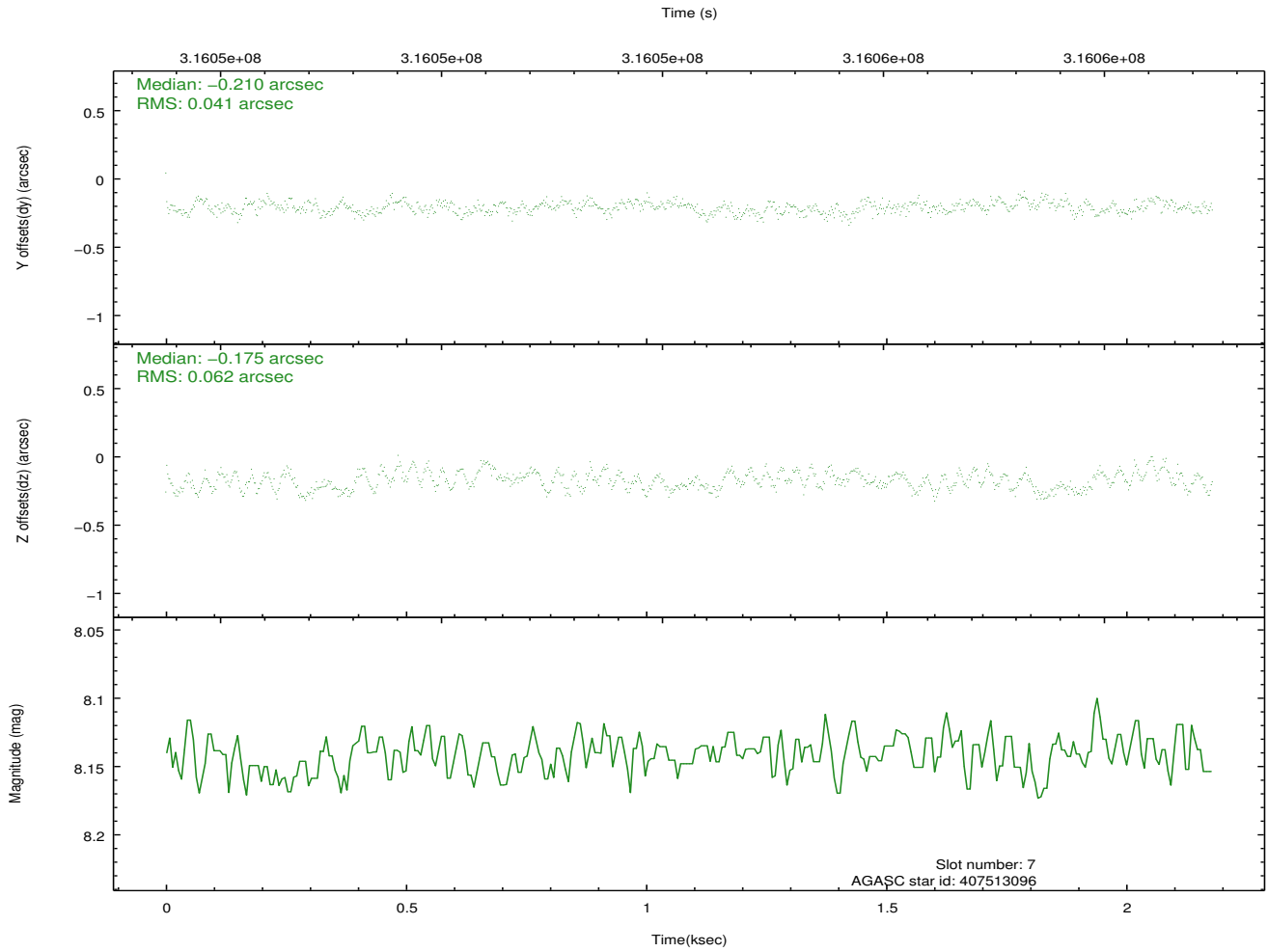
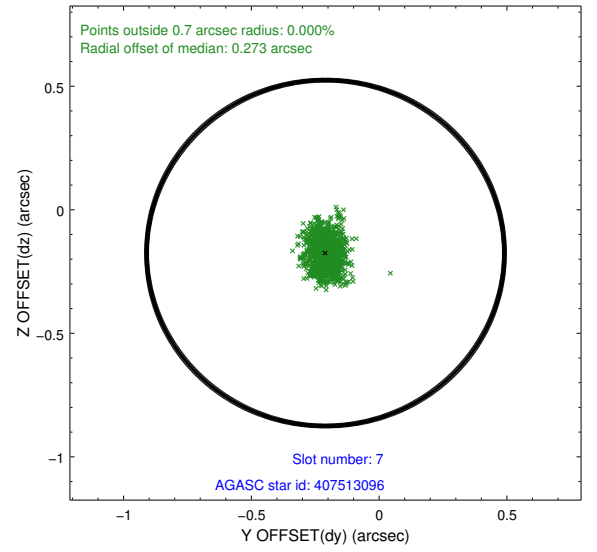
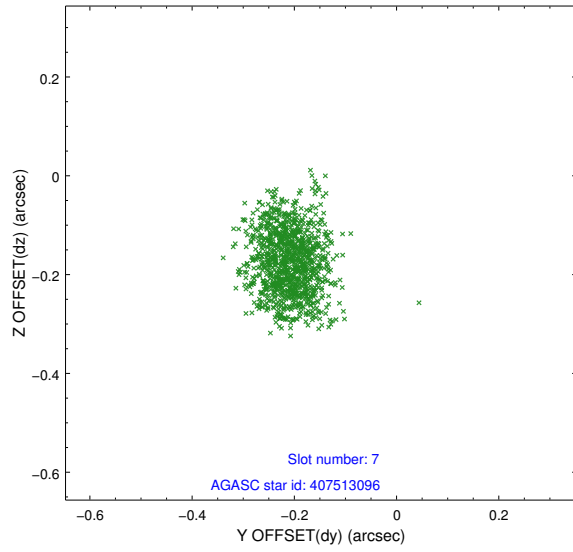
### 2.4.3 Slot 5



## 2.4.4 Slot 6

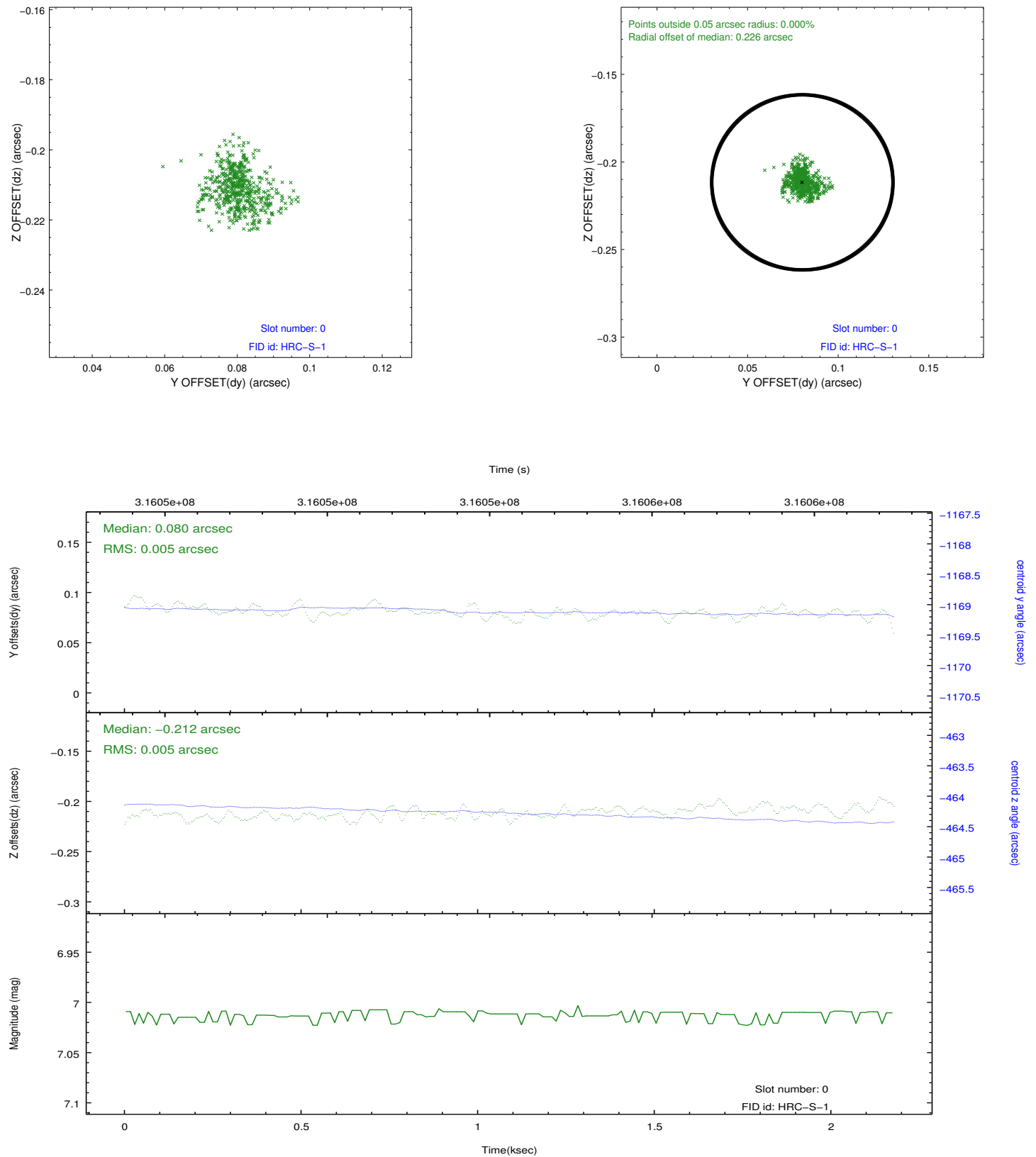


## 2.4.5 Slot 7

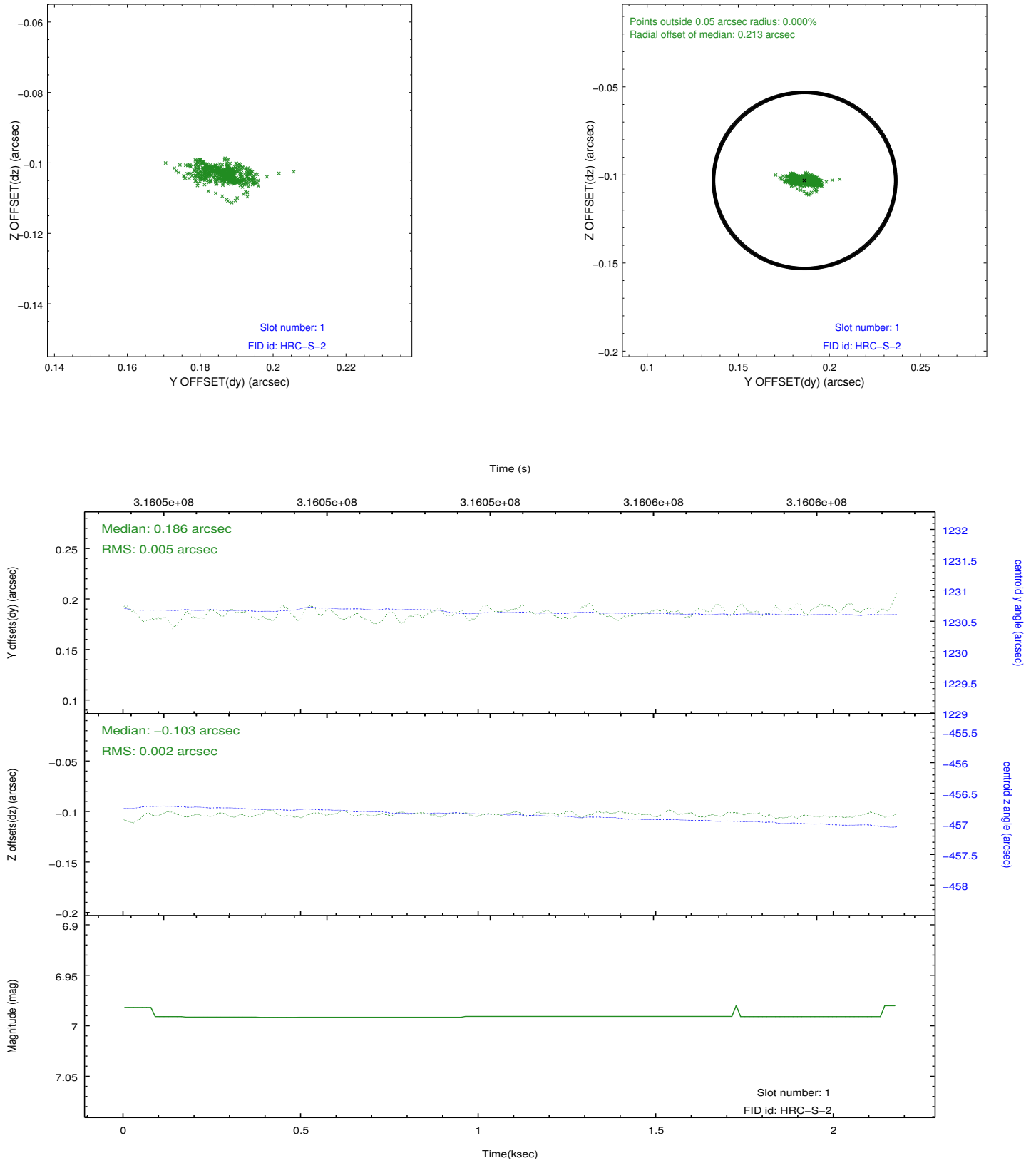


## 2.5 FID Slots

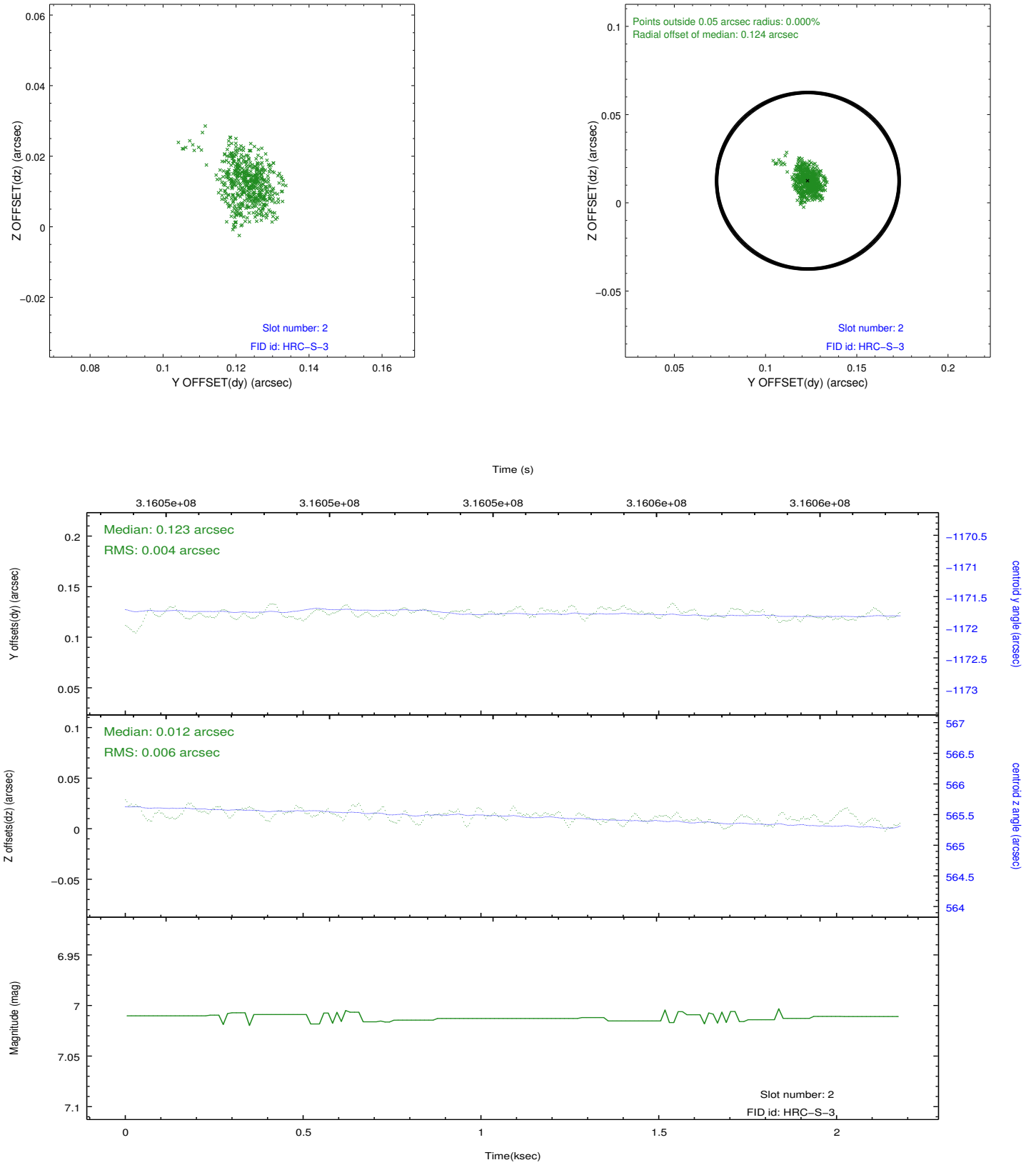
### 2.5.1 Slot 0



## 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)	2012.08.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1801751

### A.2 Comments

Window constraint met.