

# V&V Reference Report

## L2 ASCDS Version : 8.5.1

Observation 5966 - L2 Version 3  
Chandra X-Ray Center

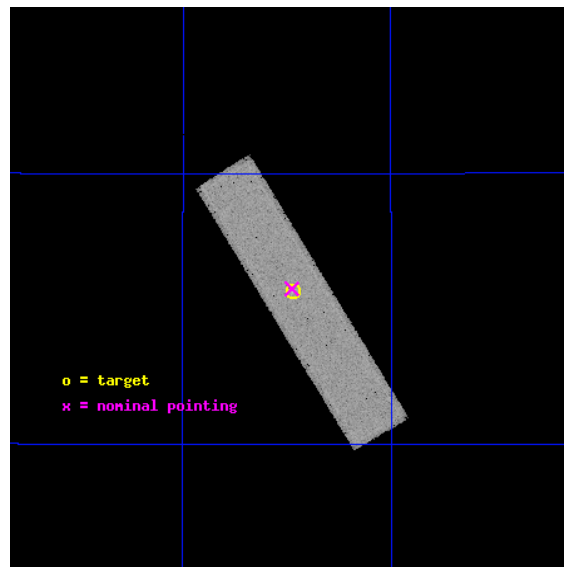
L2 Processing Date : Dec 17 2012

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# 1 Front

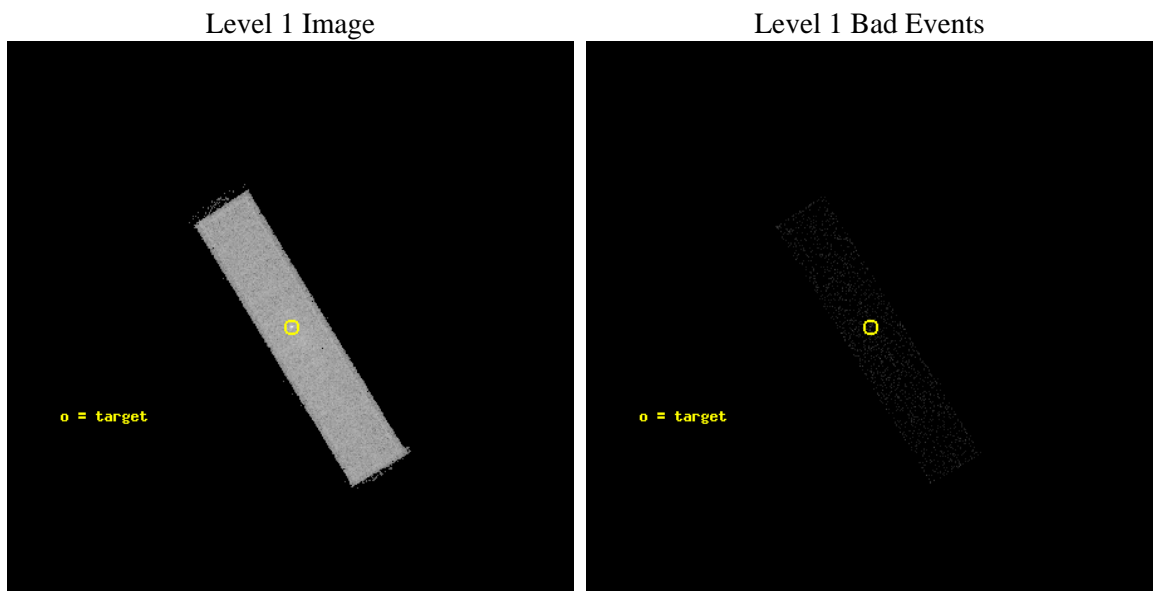
seq_num	290458	Sequence number
obs_id	5966	Observation id
title	AO6 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.23818292254	Nominal RA [deg]
dec_nom	38.787753411728	Nominal Dec [deg]
roll_nom	58.490012100069	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2152.7563474774	[s]
livetime	2140.5417034925	Ontime multiplied by DTCOR
l2events	80328	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	8.5.1	Processing system revision	ontime	2152.7563474774	[s]
caldbver	4.5.5	&#160	l1events	109084	Number of level 1 events
date	2012-12-17T16:49:19	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

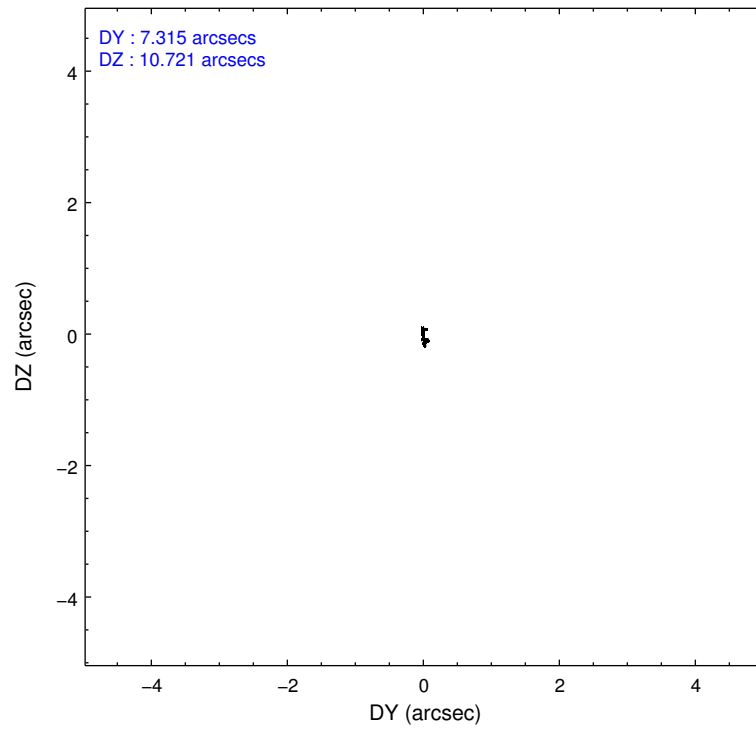
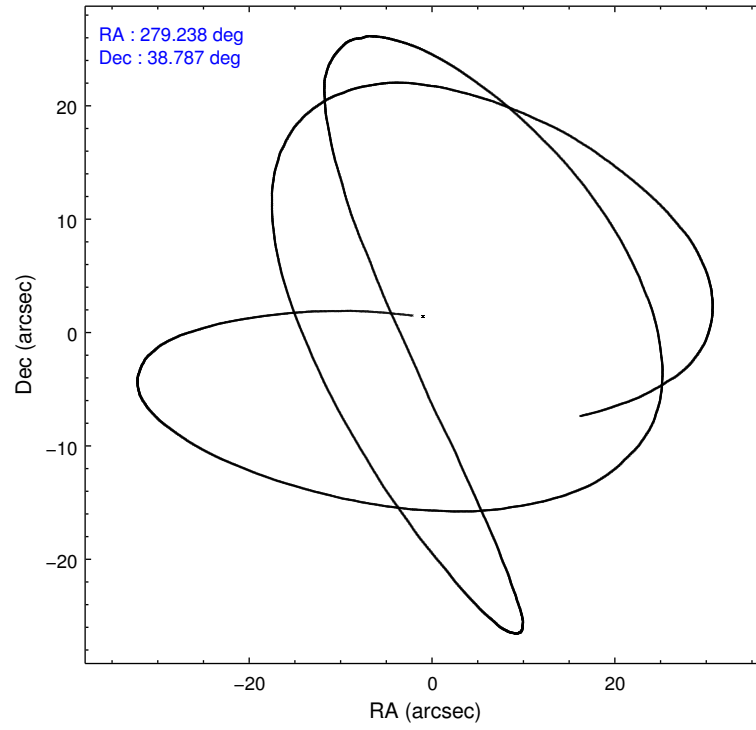
Level 1 Events

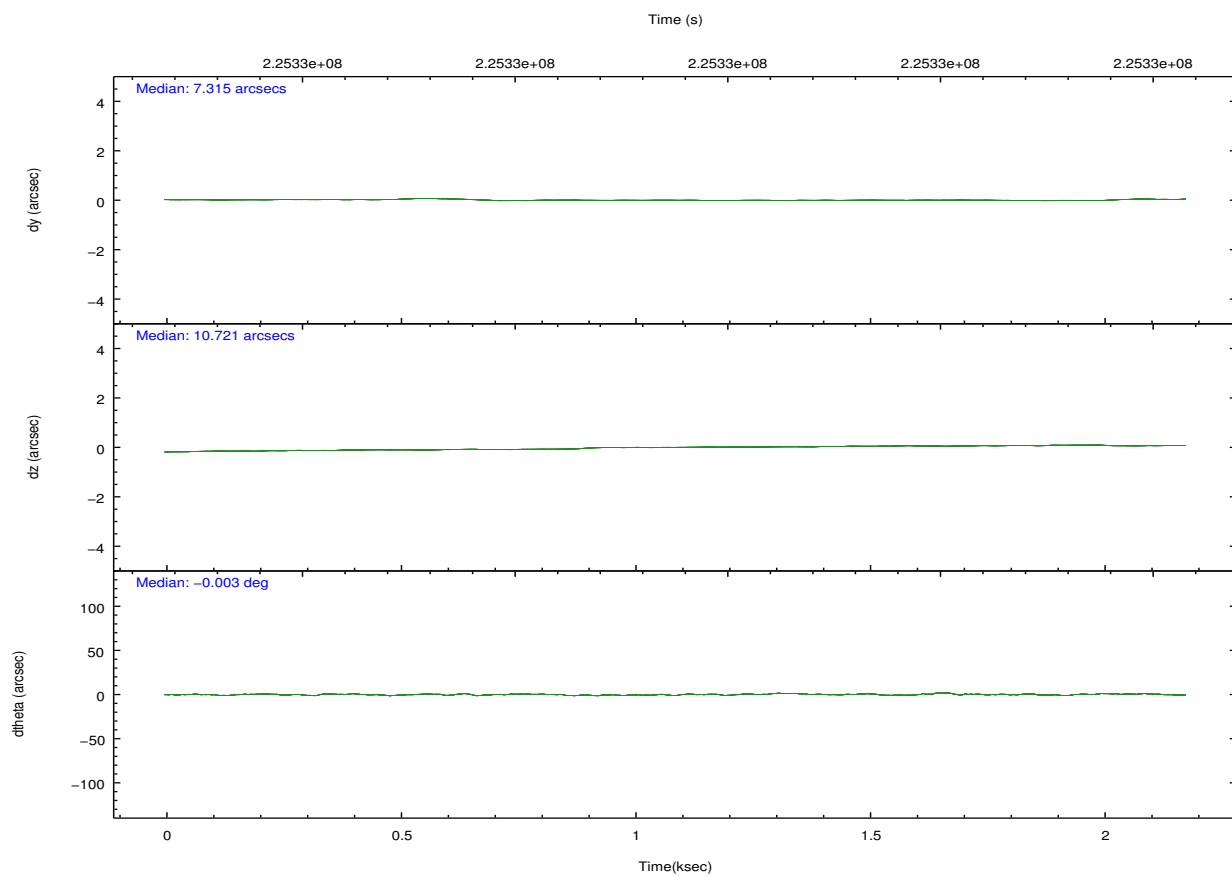
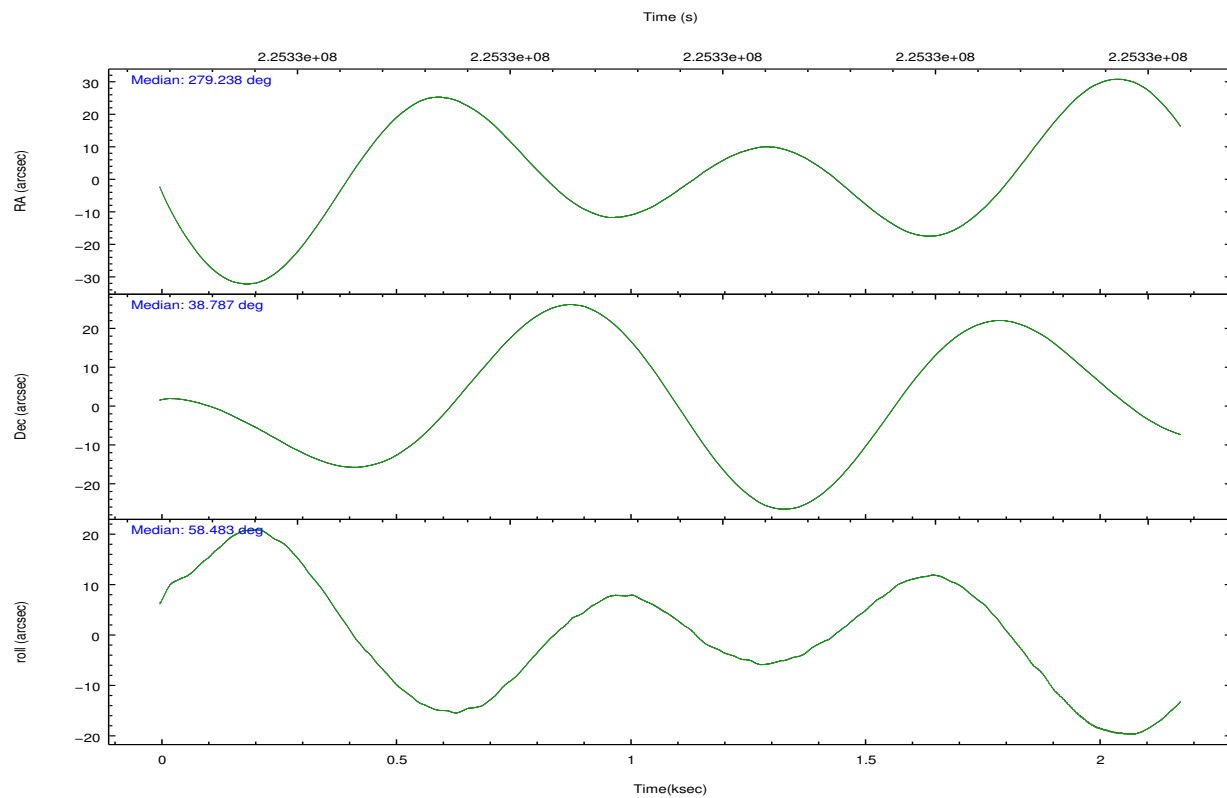
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	0	109084	0
rejected events	0	8009	0
rejected %	0%	7%	0%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	279.239130	279.238182922539			
[deg] Pointing Dec	38.759106	38.78775341172835			
[deg] Pointing Roll	58.422059	58.49001210006914			
[s] Window start time (MET)	223603264.184000	223603264.184000			
[s] Window stop time (MET)	228614464.184000	228614464.184000			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	225332459.184000	225332086.07356			
Observation start date	2005-02-21T00:19:55	2005-02-21T00:14:46			
[s] Observation end time (MET)	225334459.184000	225334593.22367			
Observation end date	2005-02-21T00:53:15	2005-02-21T00:56:33			

## 2.3 Aspect





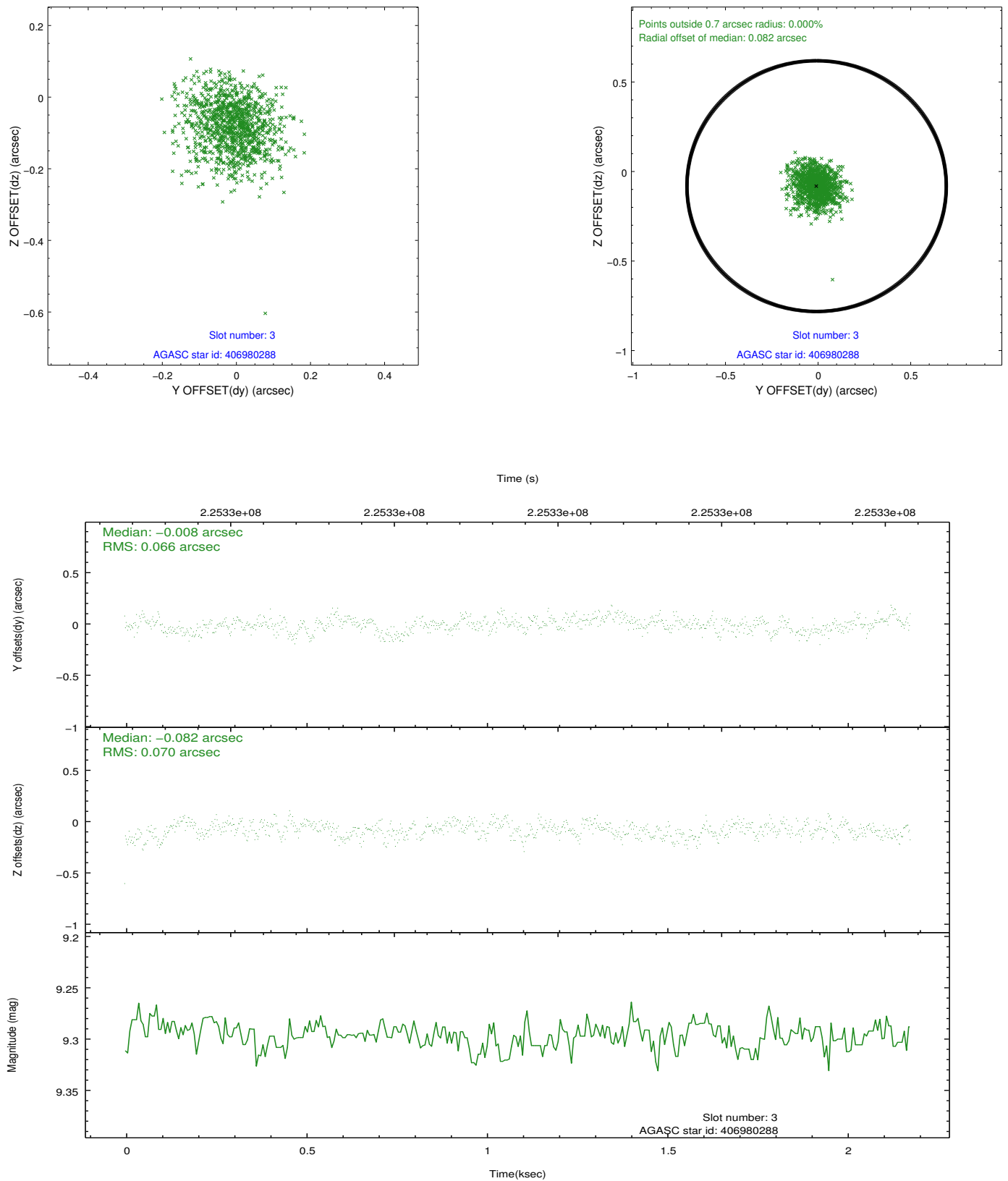
Slot Statistics

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	531	0.129	-0.172	0.008	0.013	0.000000	0.000000	-1161.48	-459.40
1	FID	HRC-S-2	7.01	531	0.172	-0.118	0.004	0.007	0.000000	0.000000	1236.05	-452.88
2	FID	HRC-S-3	7.03	531	0.088	-0.012	0.008	0.013	0.000000	0.000000	-1161.91	569.43
3	GUIDE	406980288	9.30	1057	-0.008	-0.082	0.102	0.165	278.903147	39.061646	439.11	1371.27
4	GUIDE	406983600	8.92	1062	-0.110	0.070	0.086	0.141	279.940957	39.020708	1837.13	-1174.29
5	GUIDE	406985120	7.42	1063	-0.009	-0.016	0.067	0.106	278.839732	38.894839	-165.93	1209.34
6	GUIDE	406987272	6.94	1063	0.081	-0.091	0.058	0.096	278.536588	38.437504	-2017.20	1086.47
7	GUIDE	406989616	8.23	1062	0.046	0.128	0.075	0.119	279.202881	38.520843	-785.87	-361.18

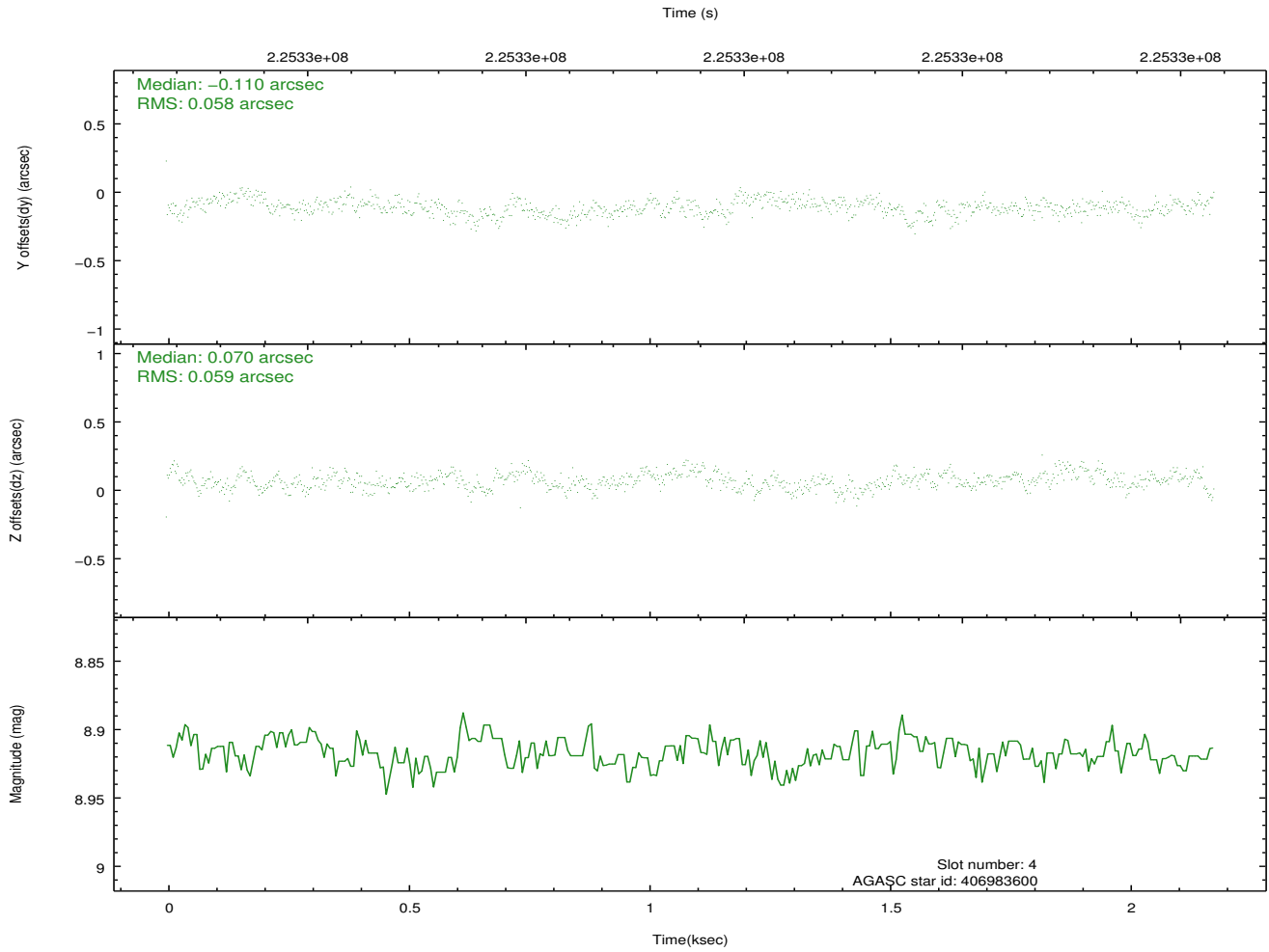
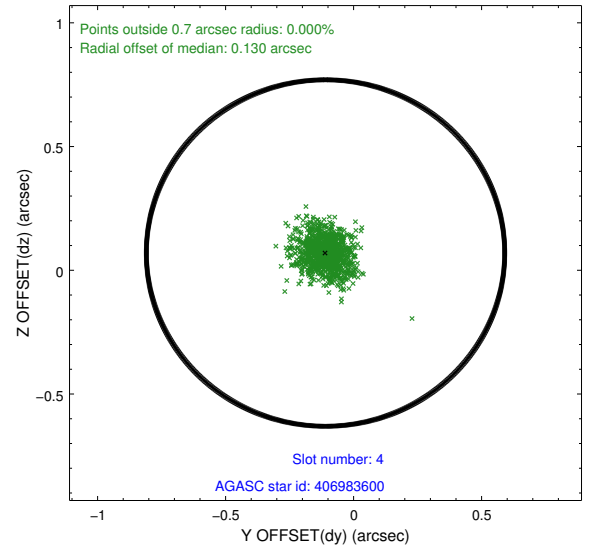
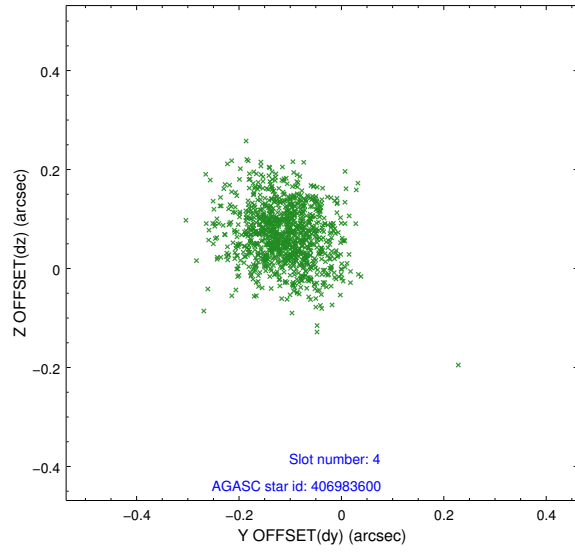


## 2.4 Star Slots

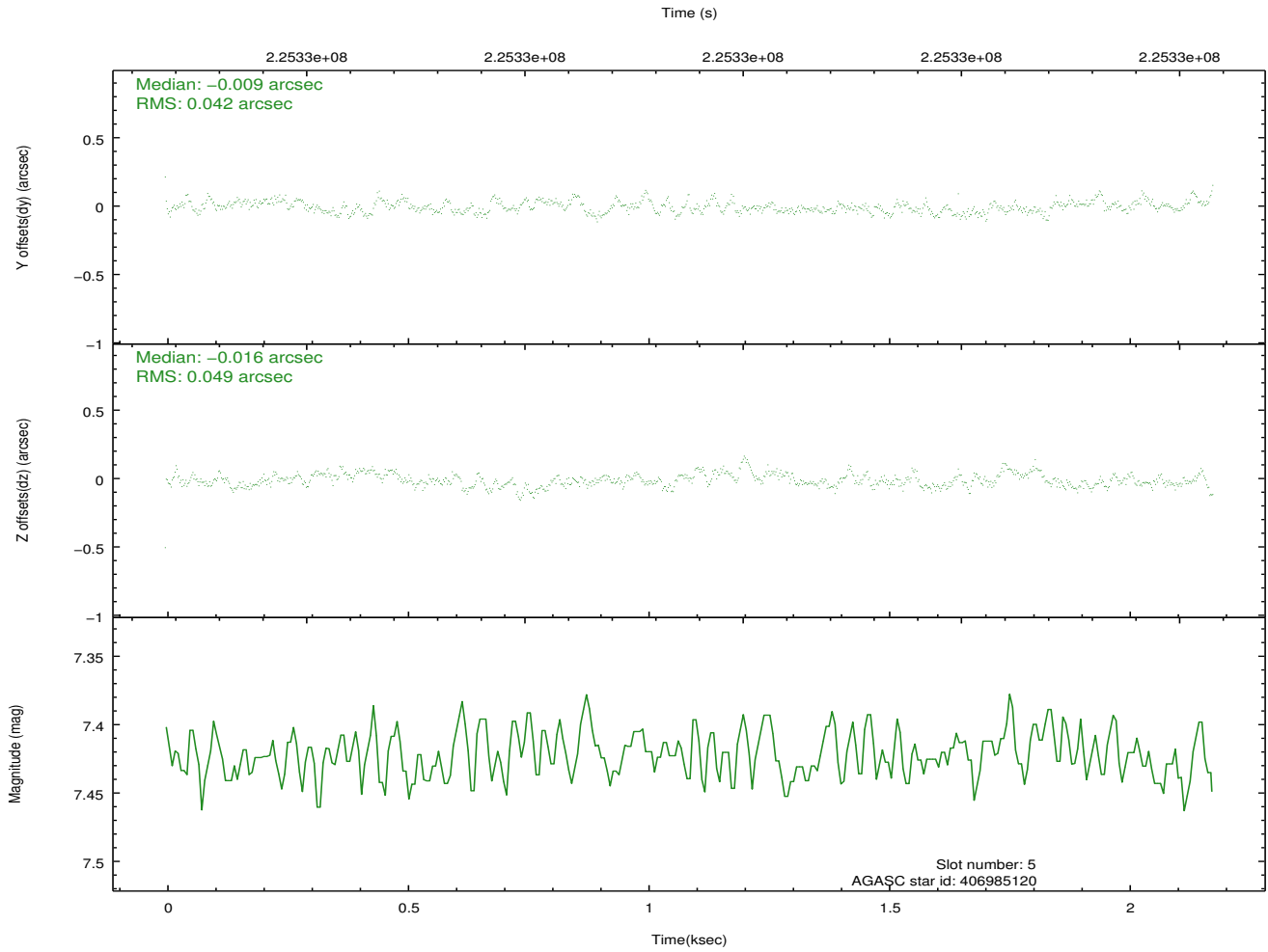
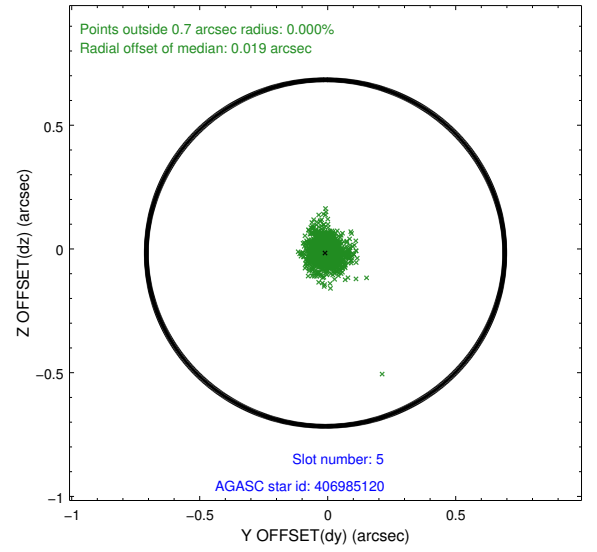
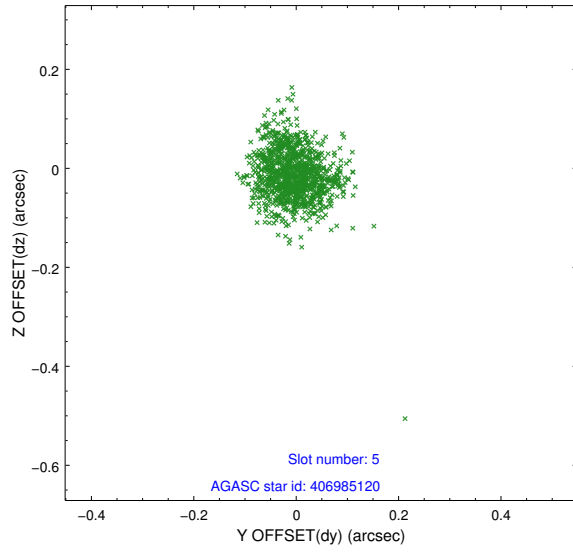
### 2.4.1 Slot 3



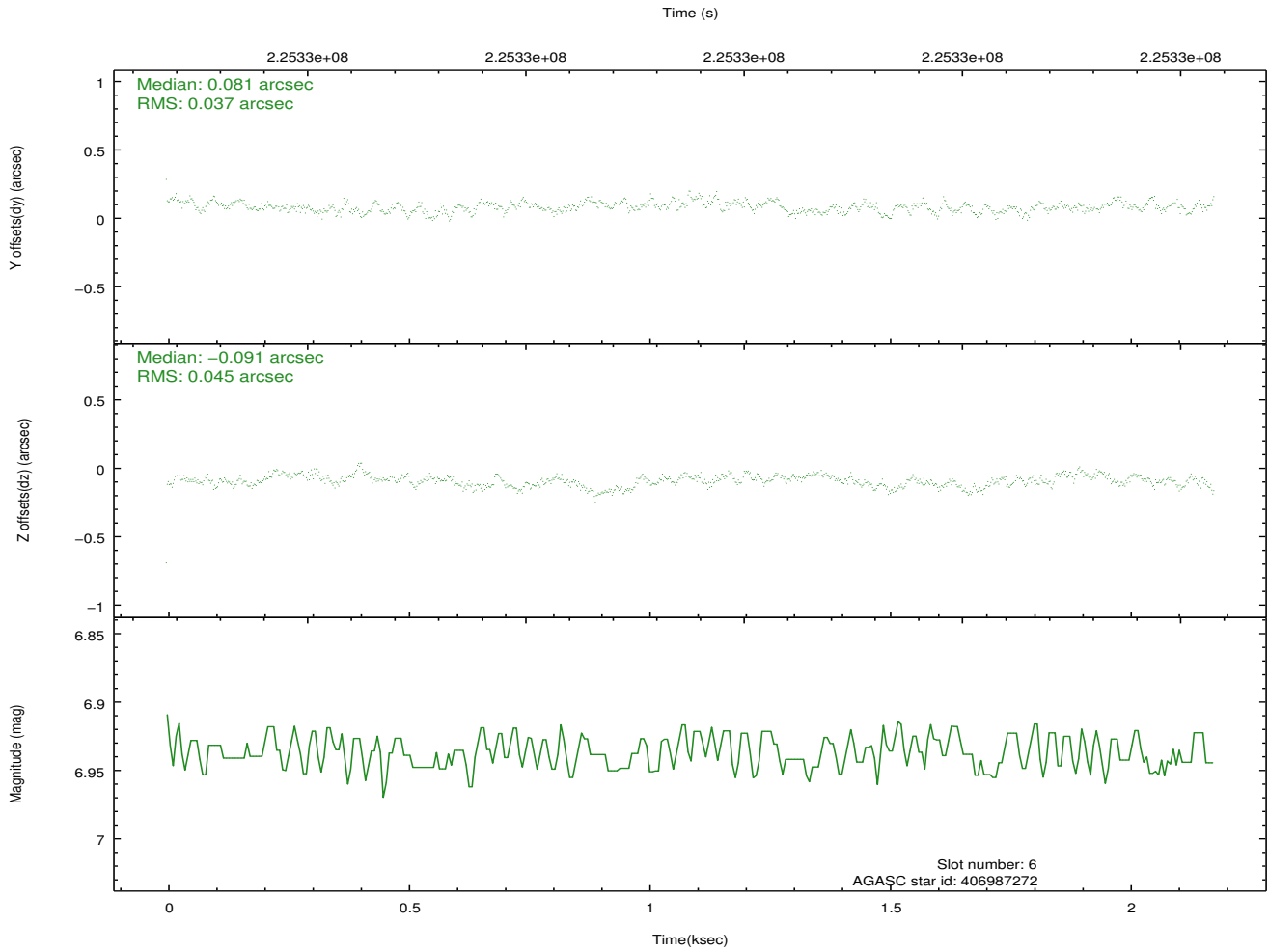
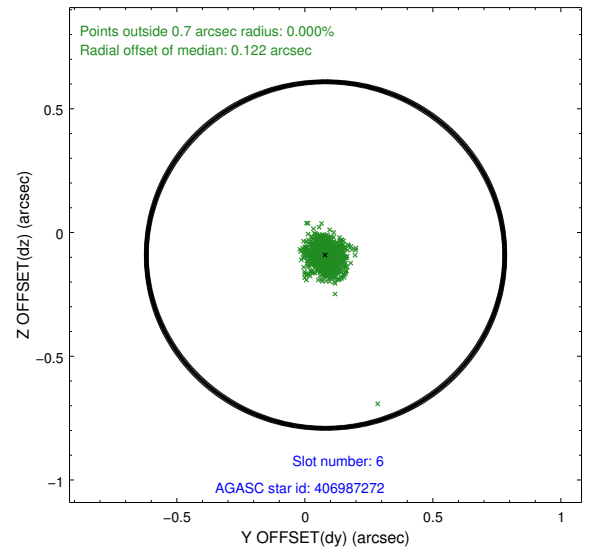
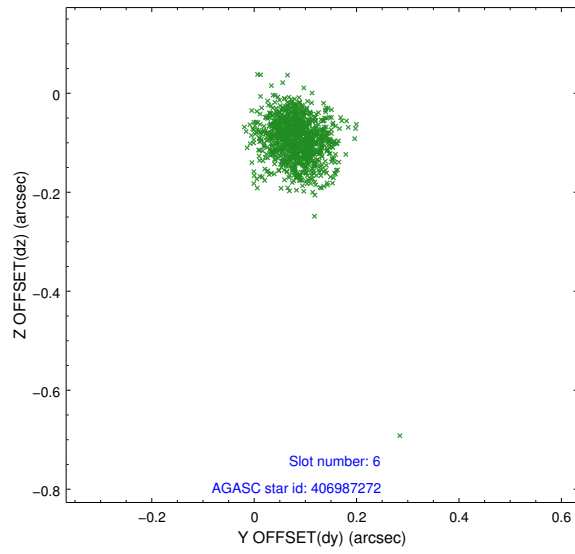
## 2.4.2 Slot 4



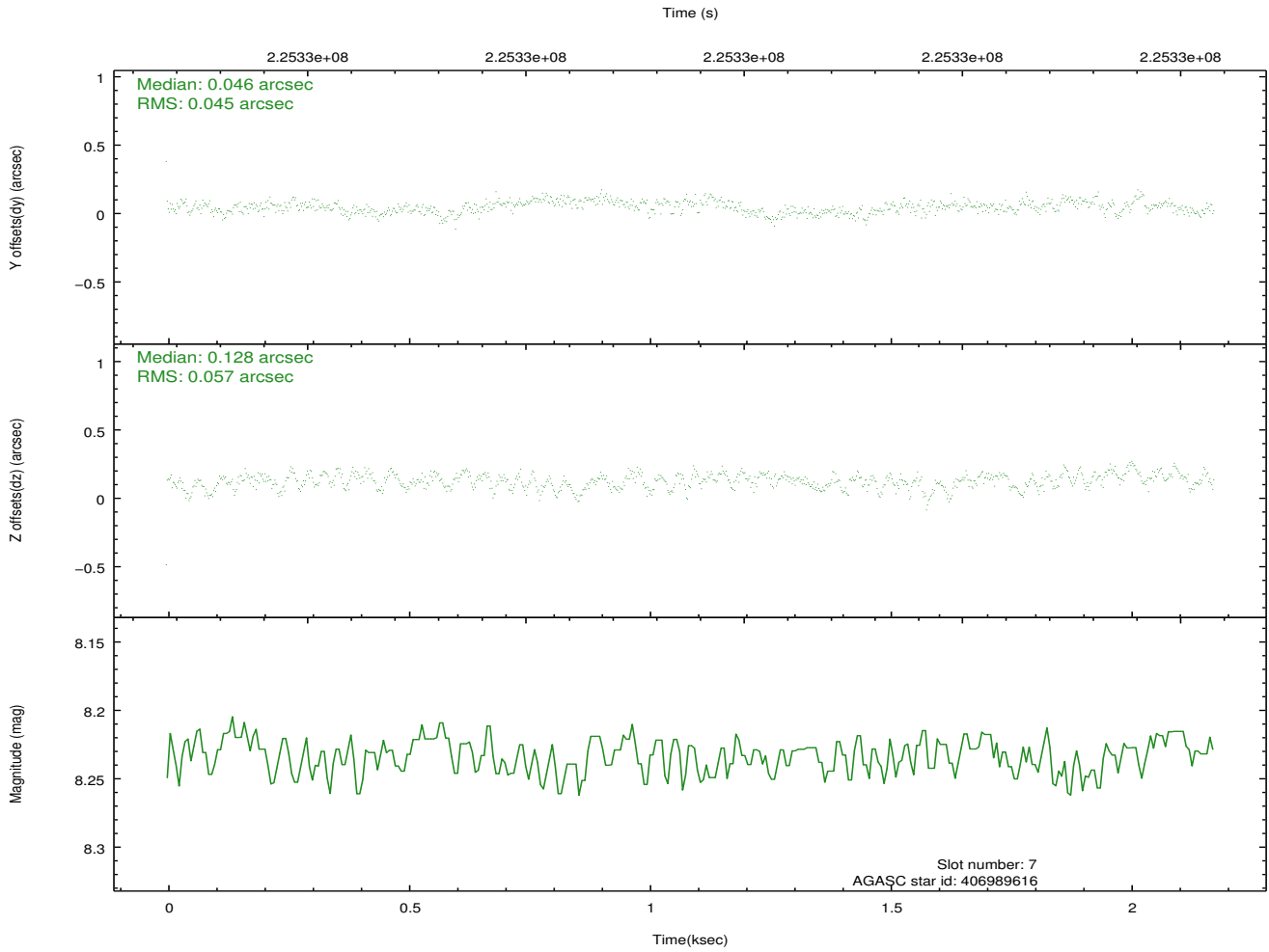
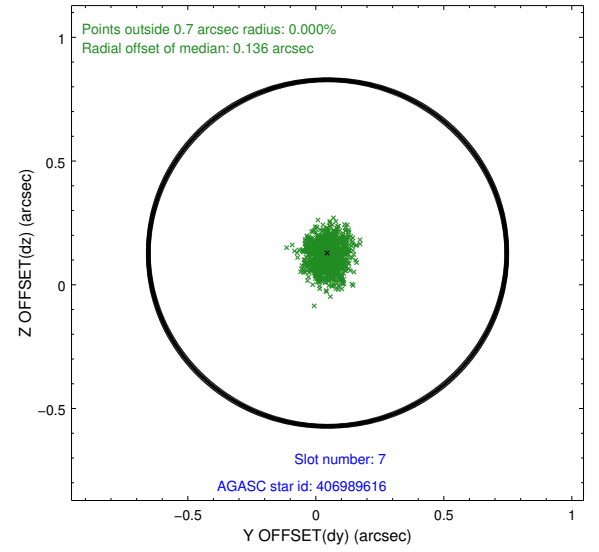
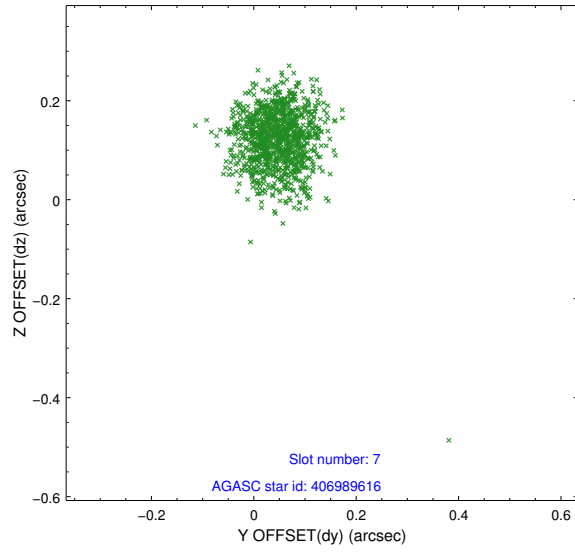
### 2.4.3 Slot 5



## 2.4.4 Slot 6

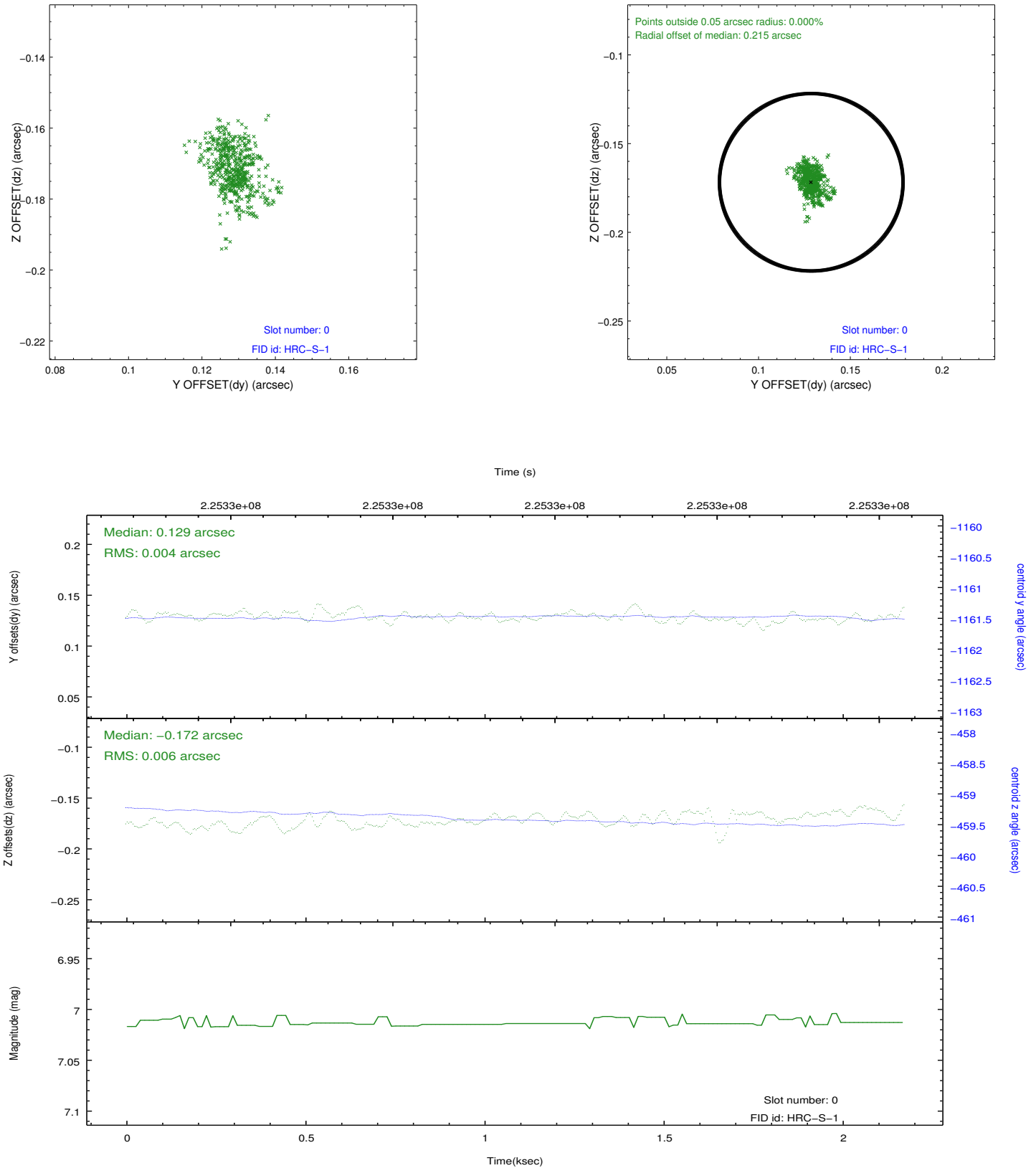


## 2.4.5 Slot 7

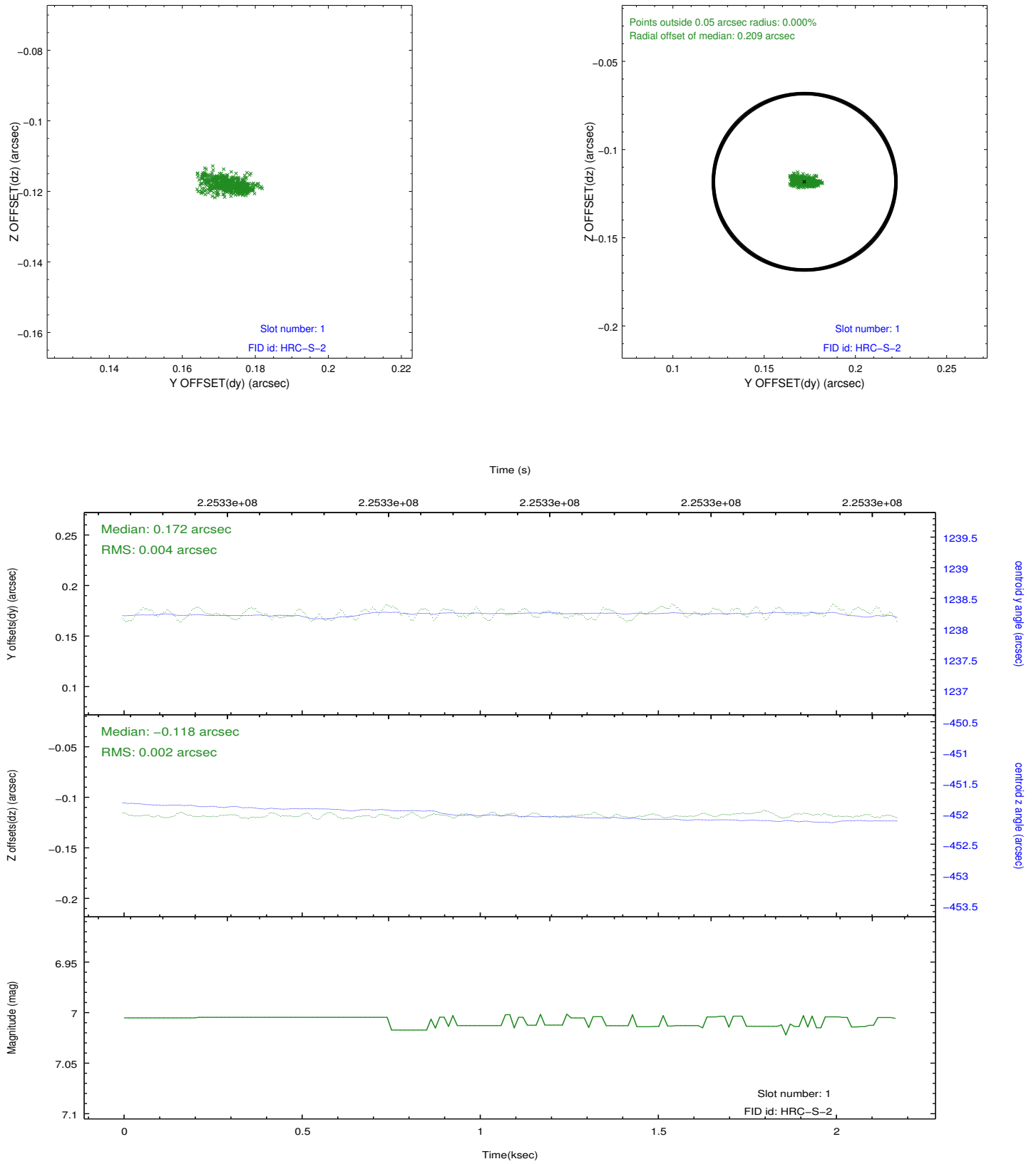


## 2.5 FID Slots

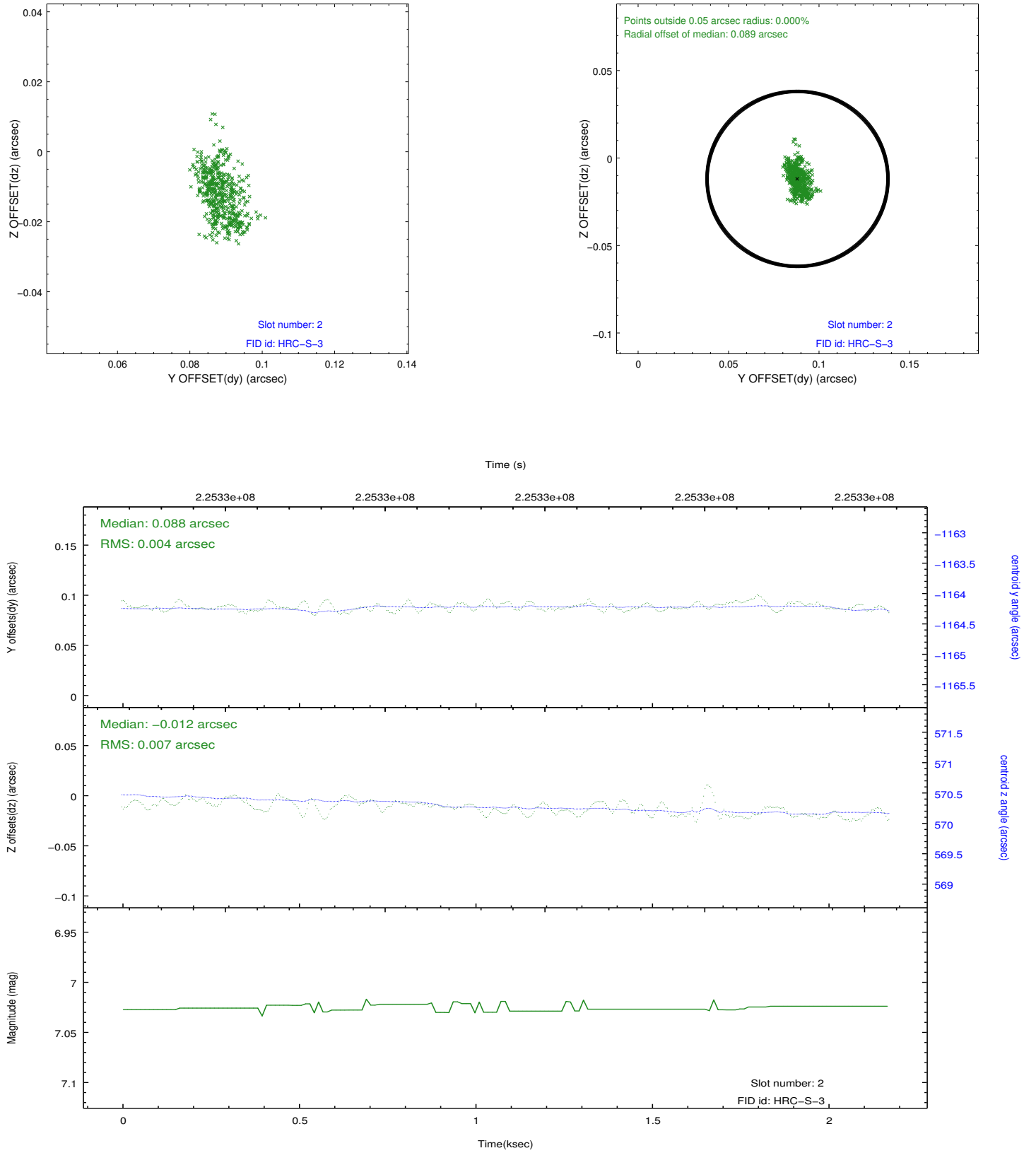
### 2.5.1 Slot 0



## 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)	2013.01.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.152756

### A.2 Comments

Window constraint met.