

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11936 - L2 Version 3  
Chandra X-Ray Center

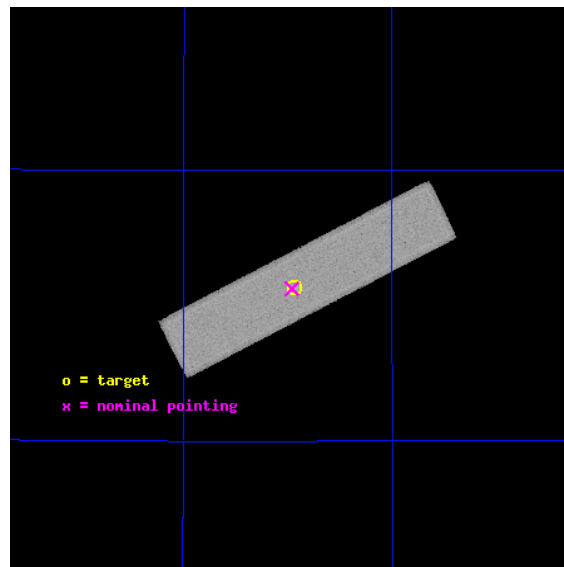
L2 Processing Date : Aug 13 2012

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# 1 Front

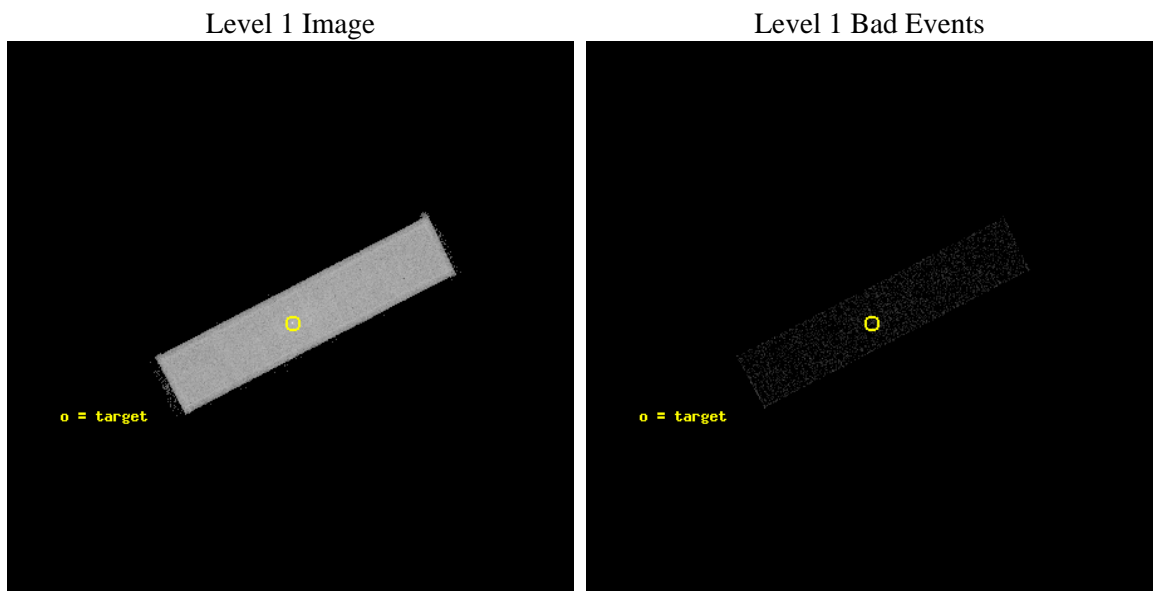
seq_num	290925	Sequence number
obs_id	11936	Observation id
title	AO-11 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.24023925634	Nominal RA [deg]
dec_nom	38.781280397567	Nominal Dec [deg]
roll_nom	332.71063865507	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2158.9063588977	[s]
livetime	2138.3499498362	Ontime multiplied by DTCOR
l2events	144786	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	2158.9063588977	[s]
caldbver	4.5.1.1	&#160	l1events	186873	Number of level 1 events
date	2012-08-13T18:28:56	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

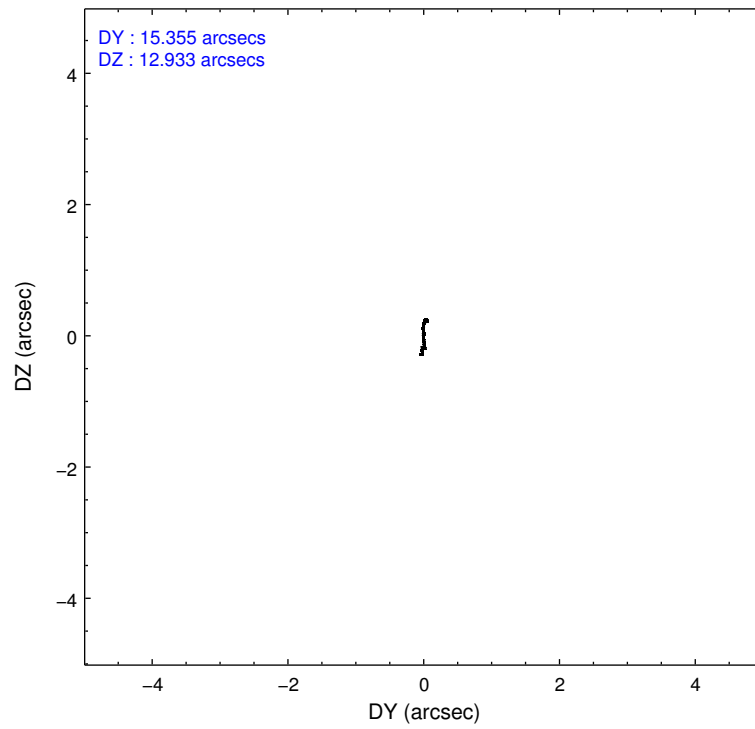
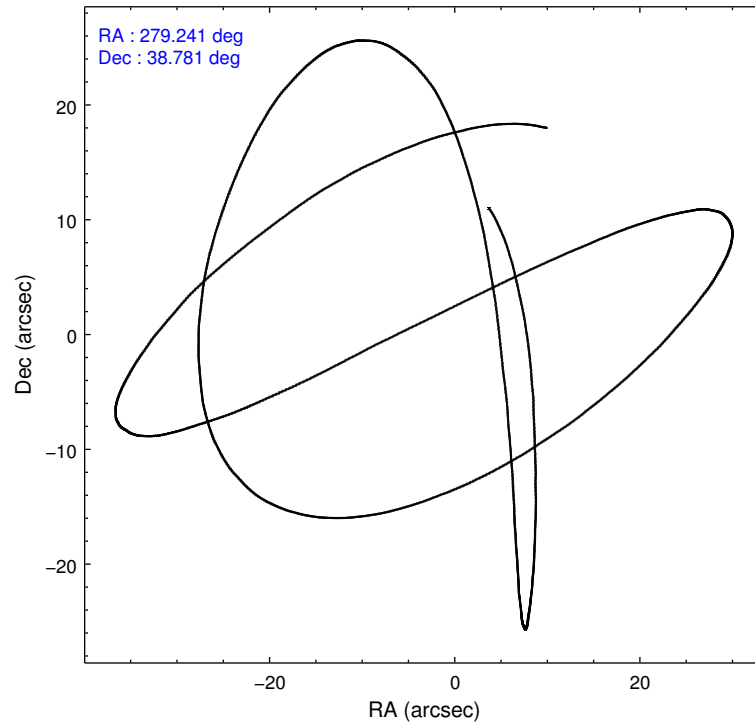
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	0	186873	0
rejected events	0	13495	0
rejected %	0%	7%	0%

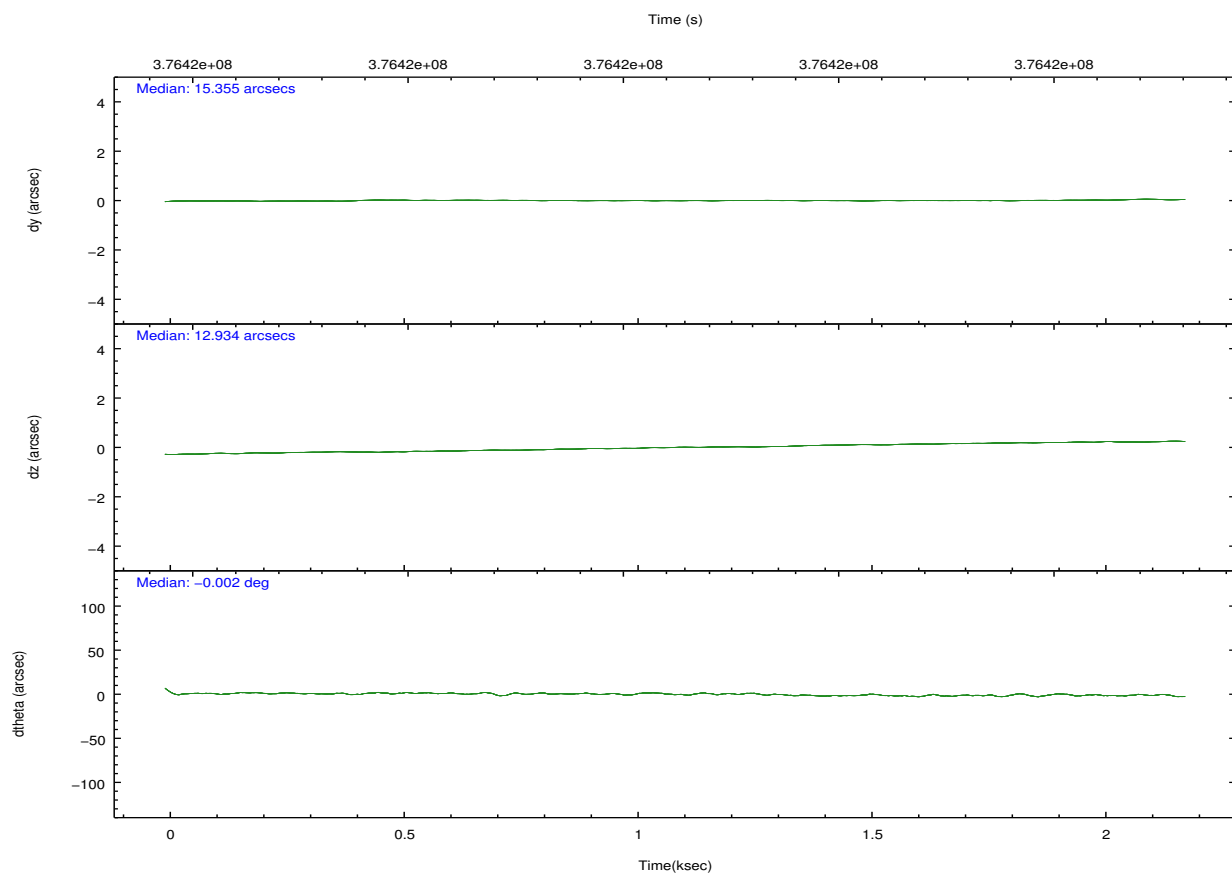
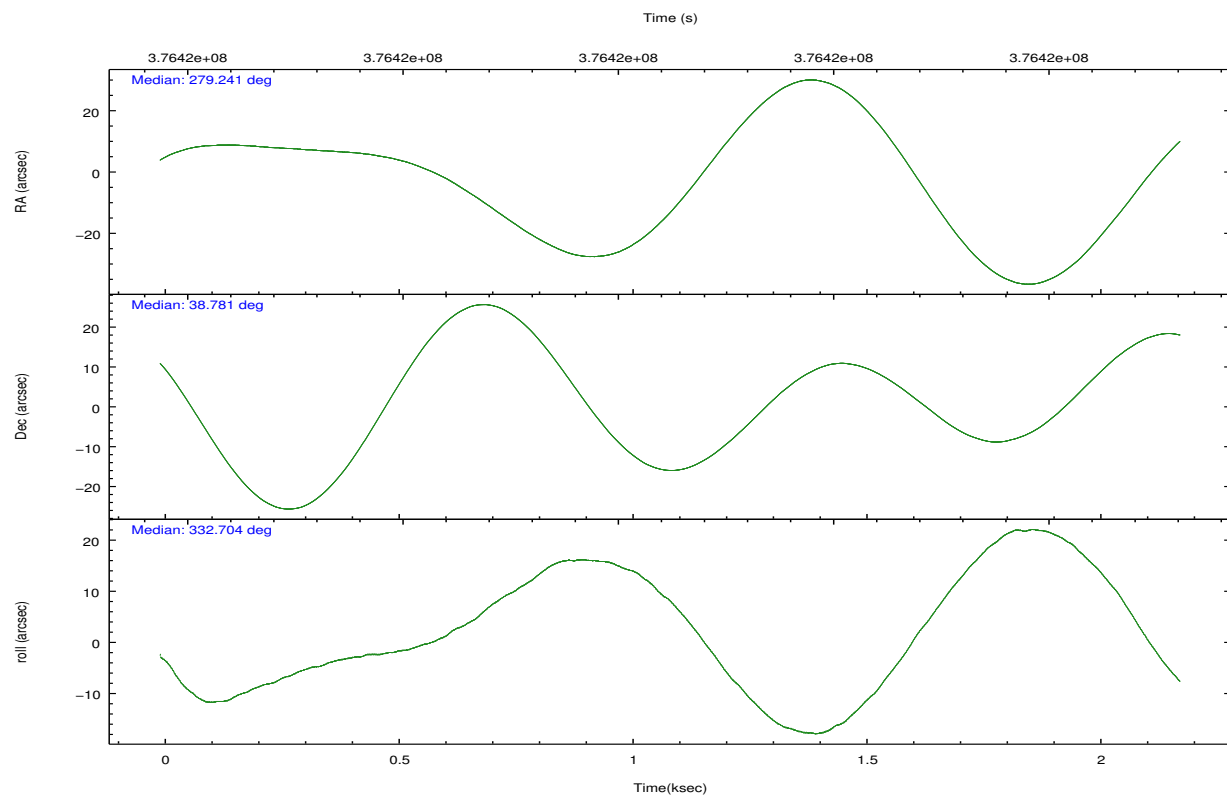
## 2.2 Compared Parameters

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	279.203748	279.2402392563411
[deg] Pointing Dec	38.778737	38.78128039756729
[deg] Pointing Roll	332.666164	332.7106386550731
[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)	376416202.184000	376415822.59676
Observation start date	2009-12-05T16:02:16	2009-12-05T15:57:02
[s] Observation end time (MET)	376418202.184000	376418335.89688
Observation end date	2009-12-05T16:35:36	2009-12-05T16:38:55

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

## 2.3 Aspect





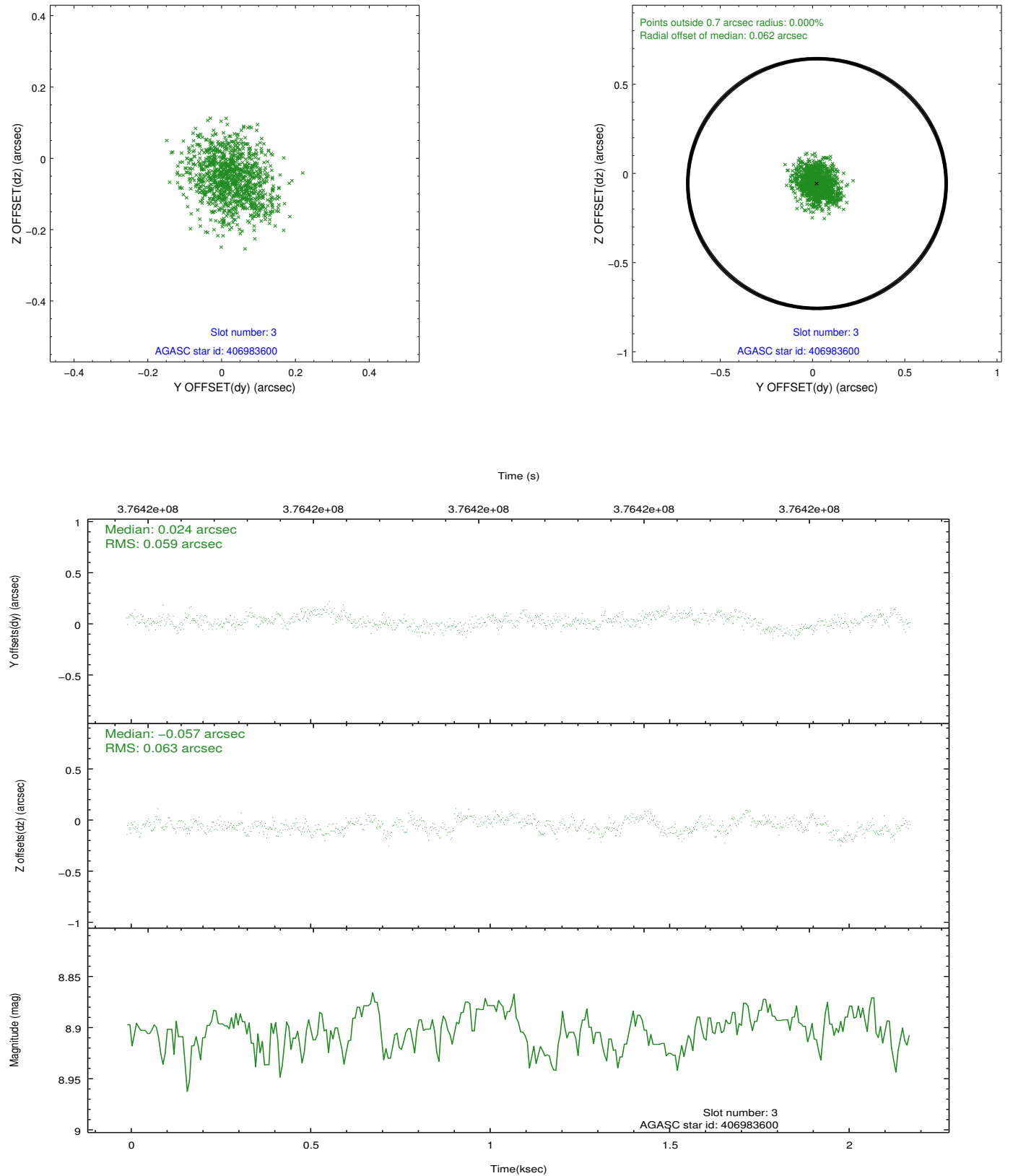
### Slot Statistics

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	532	-0.019	-0.139	0.005	0.011	0.000000	0.000000	-1169.87	-461.68
1	FID	HRC-S-2	6.96	532	0.202	-0.021	0.012	0.021	0.000000	0.000000	1227.81	-455.11
2	FID	HRC-S-4	6.93	532	0.220	-0.144	0.010	0.021	0.000000	0.000000	1230.93	569.51
3	GUIDE	406983600	8.90	1065	0.024	-0.057	0.092	0.147	279.940957	39.020708	1429.21	1729.03
4	GUIDE	406985120	7.44	1065	-0.074	0.062	0.086	0.138	278.839732	38.894839	-1097.36	-92.39
5	GUIDE	406987272	6.95	1065	0.015	0.044	0.062	0.095	278.536588	38.437504	-1111.38	-1947.63
6	GUIDE	406989616	8.23	1065	0.090	-0.033	0.072	0.118	279.202881	38.520843	423.53	-826.44
7	GUIDE	407510432	8.13	1061	-0.066	-0.021	0.080	0.137	278.762778	39.530640	-2331.65	1845.35

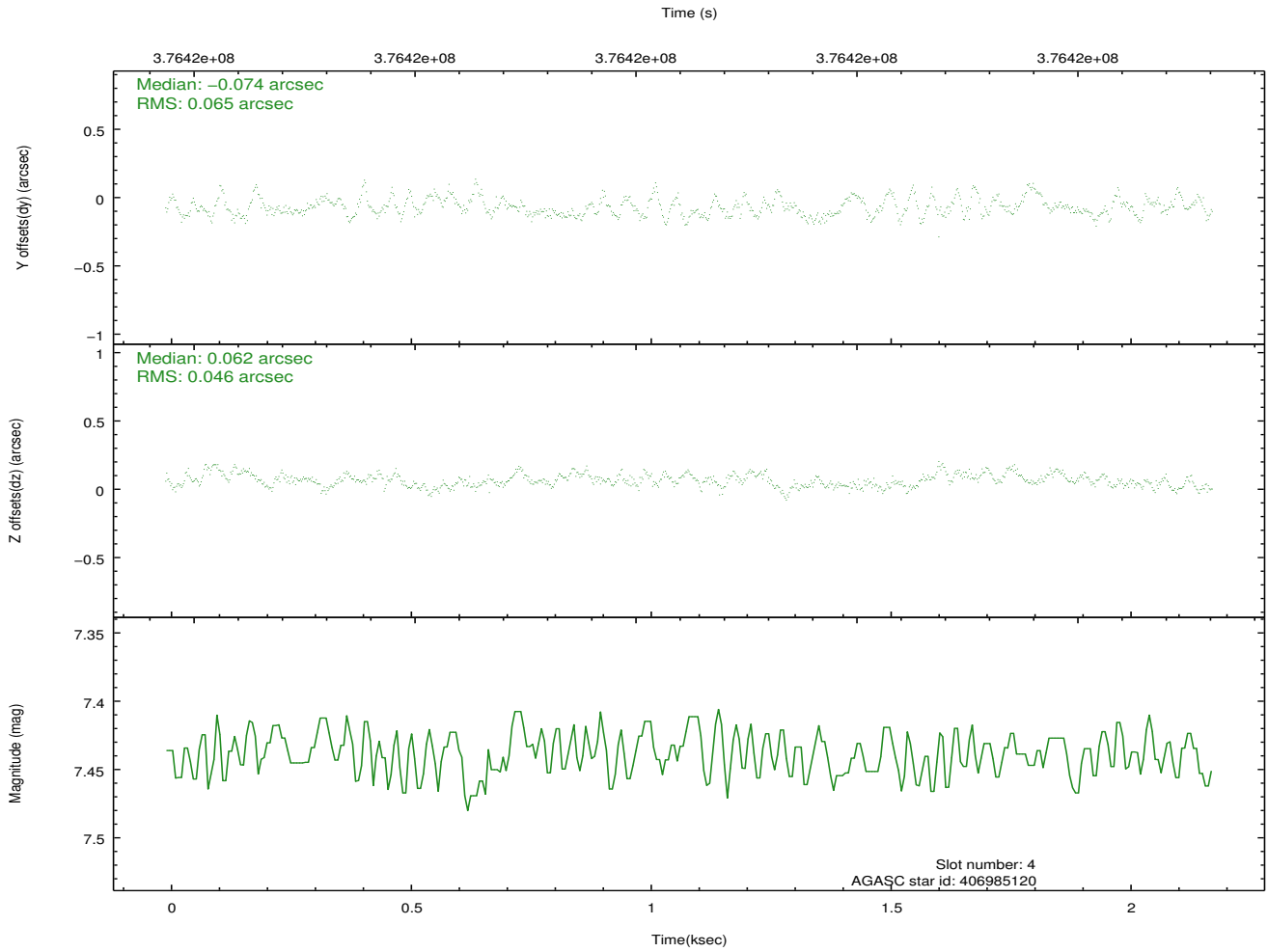
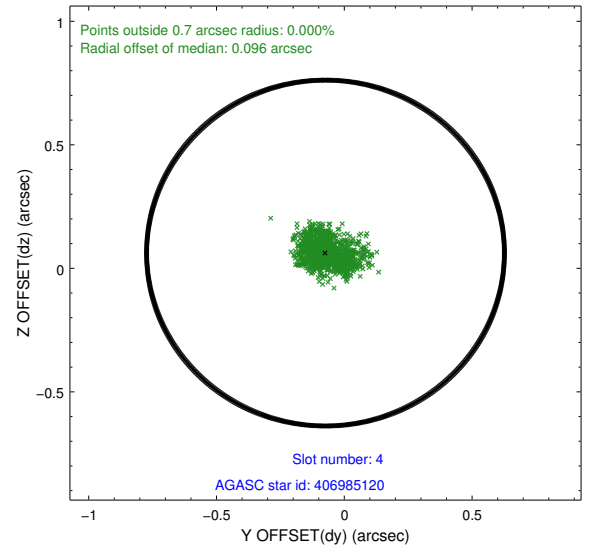
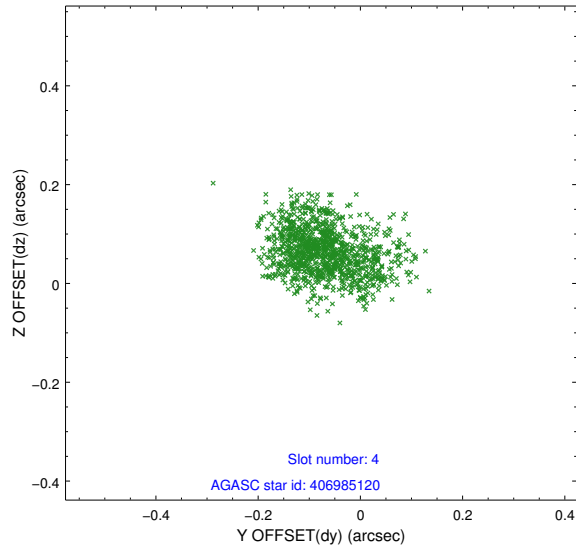


## 2.4 Star Slots

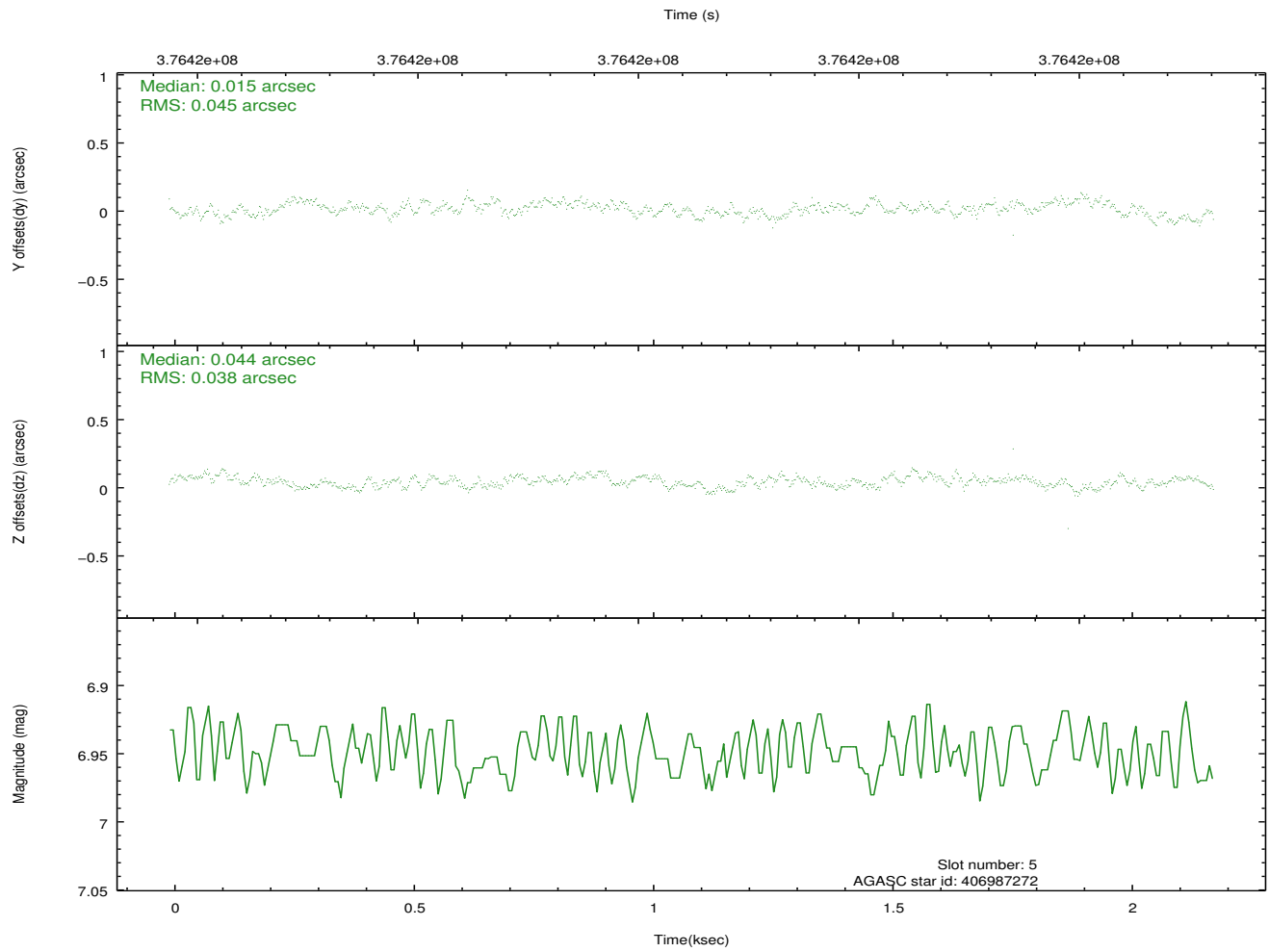
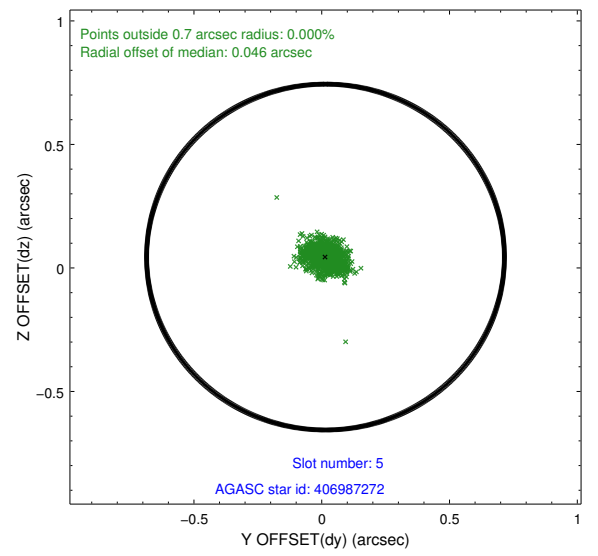
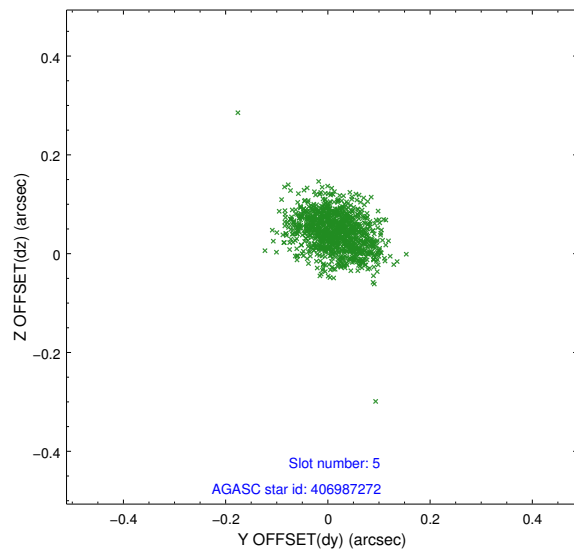
### 2.4.1 Slot 3



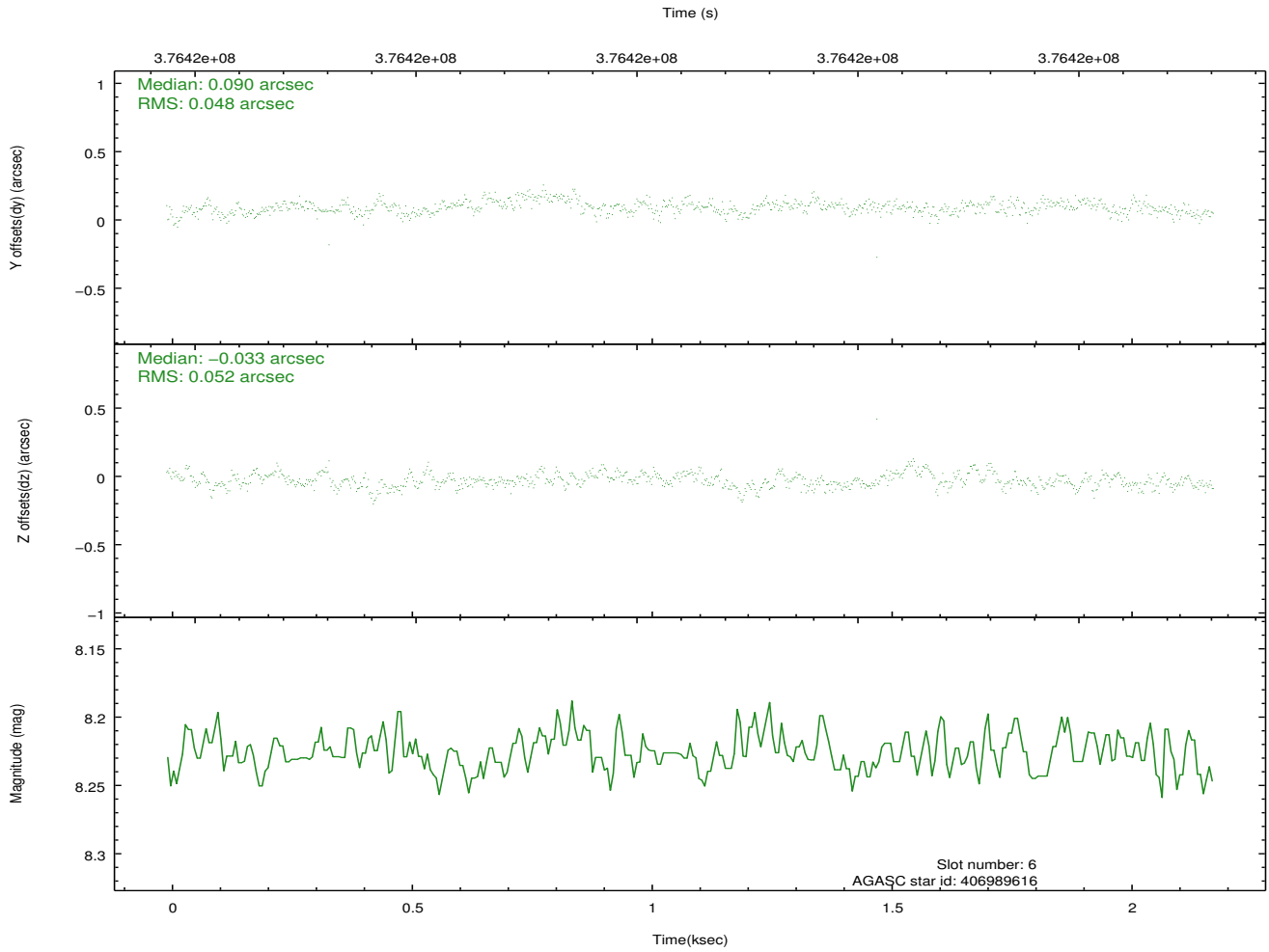
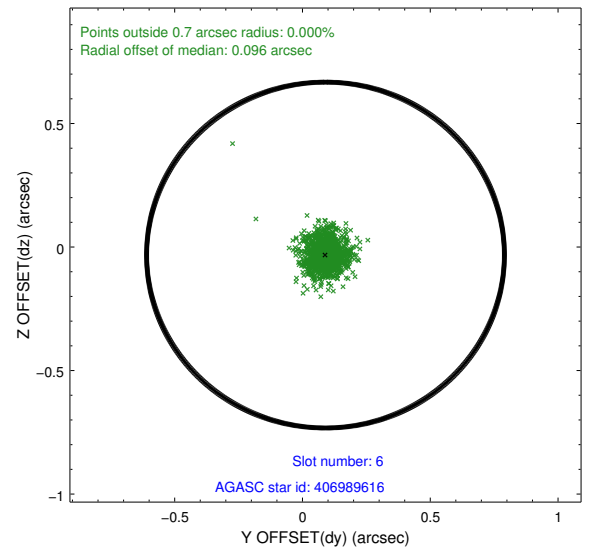
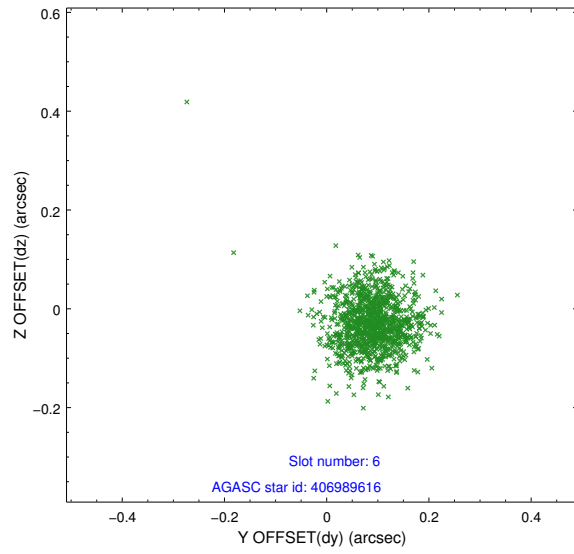
## 2.4.2 Slot 4



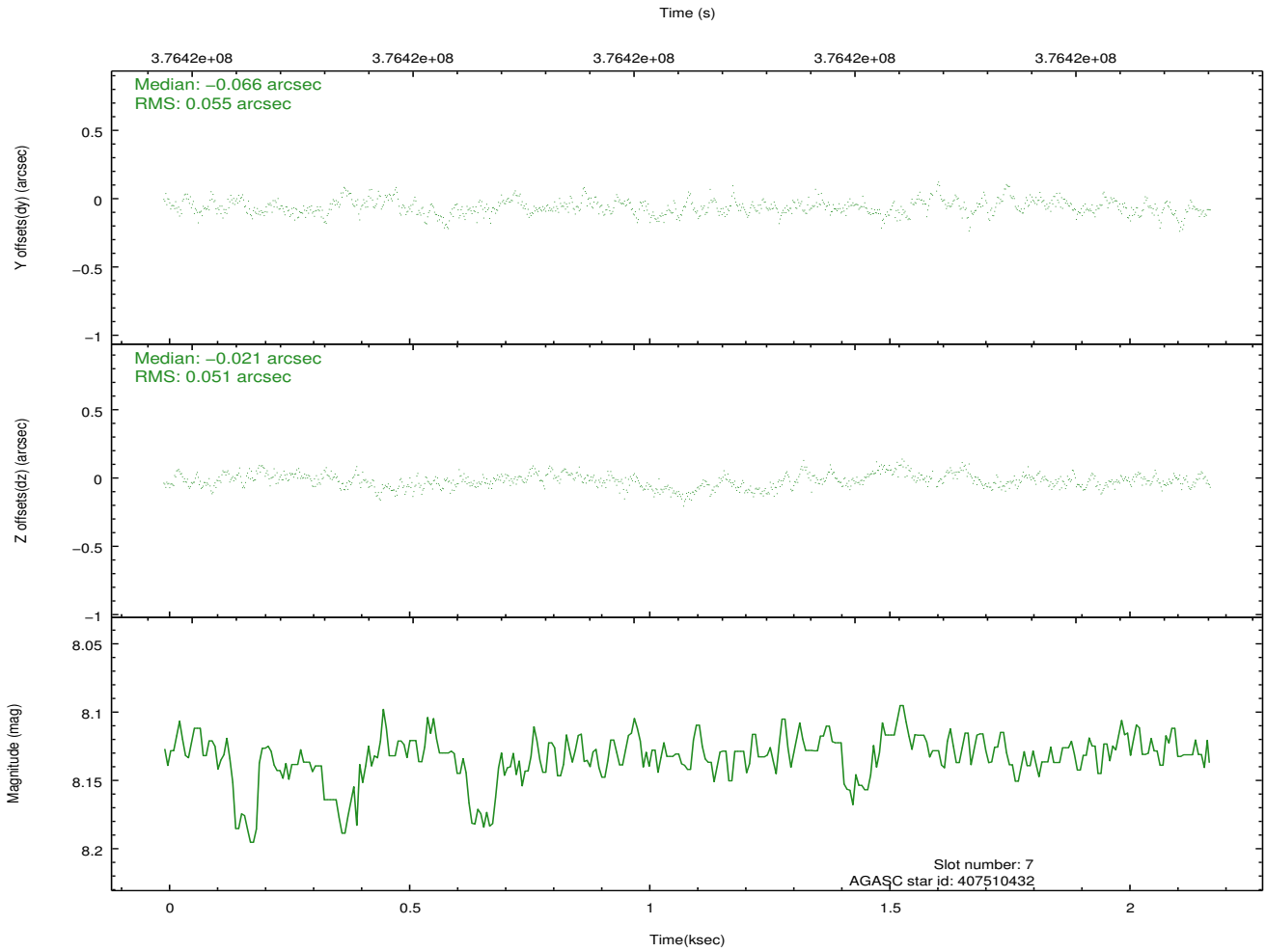
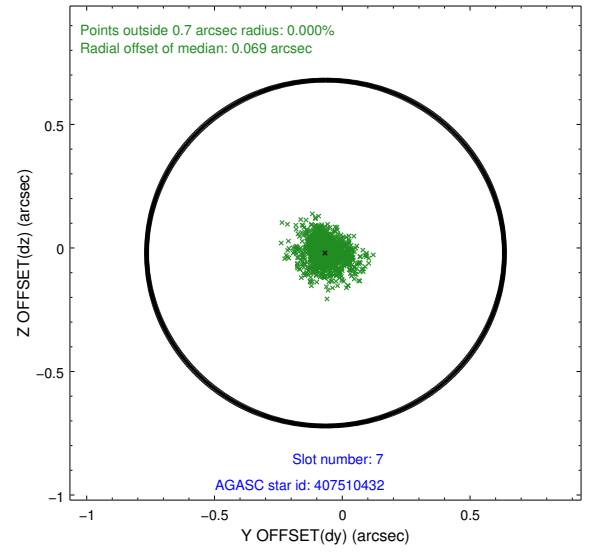
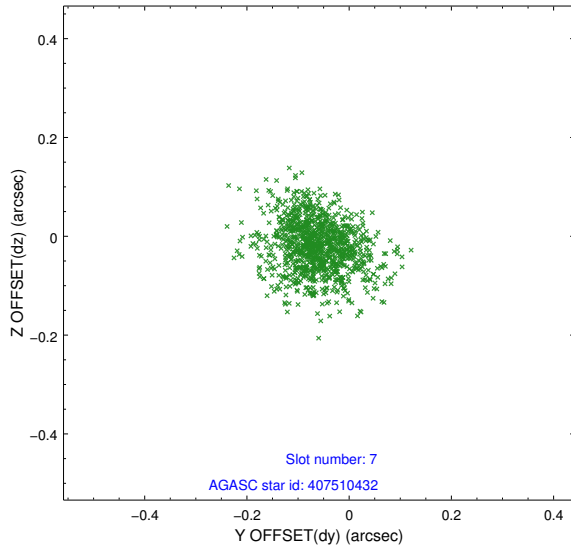
### 2.4.3 Slot 5



## 2.4.4 Slot 6

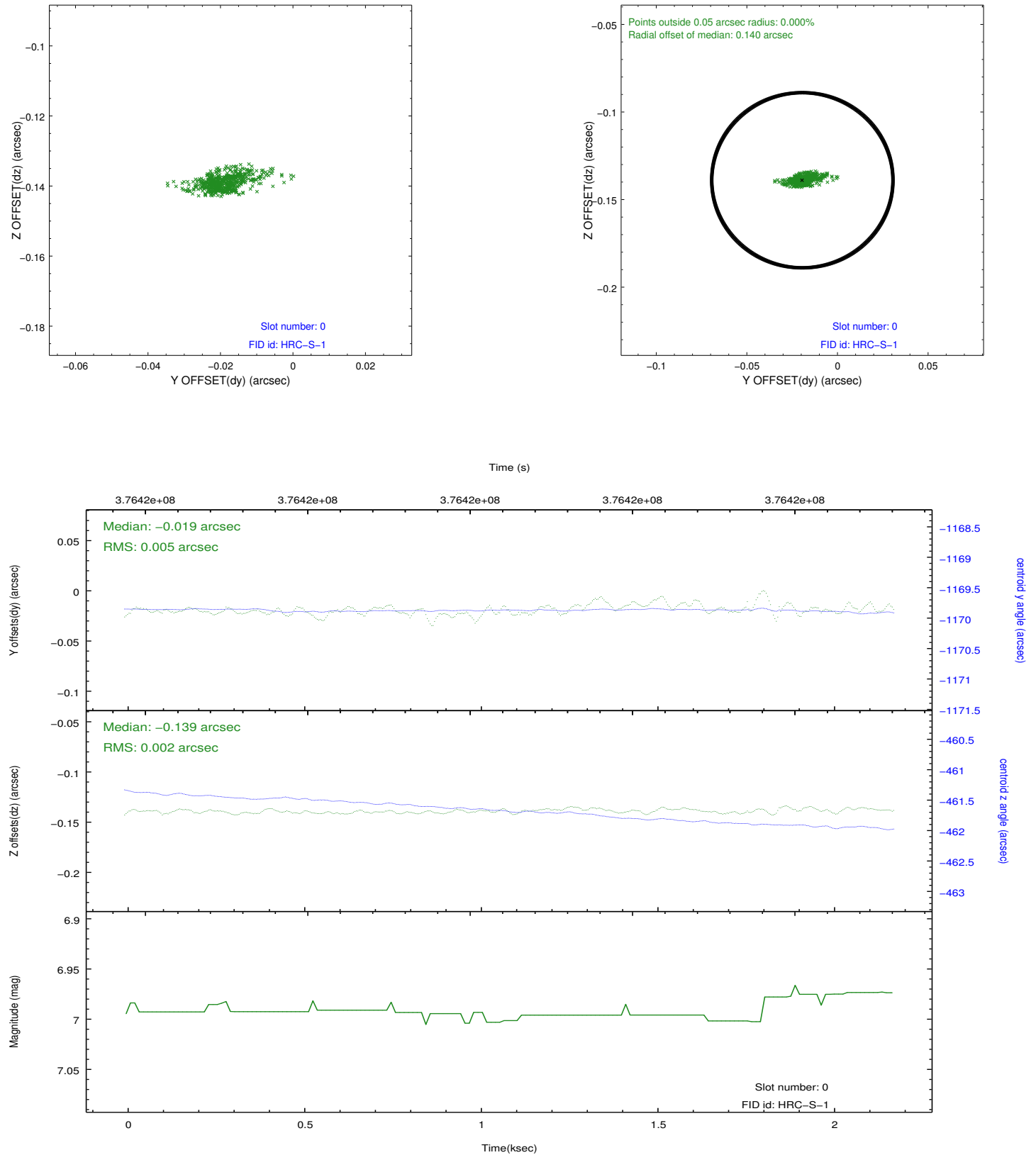


## 2.4.5 Slot 7

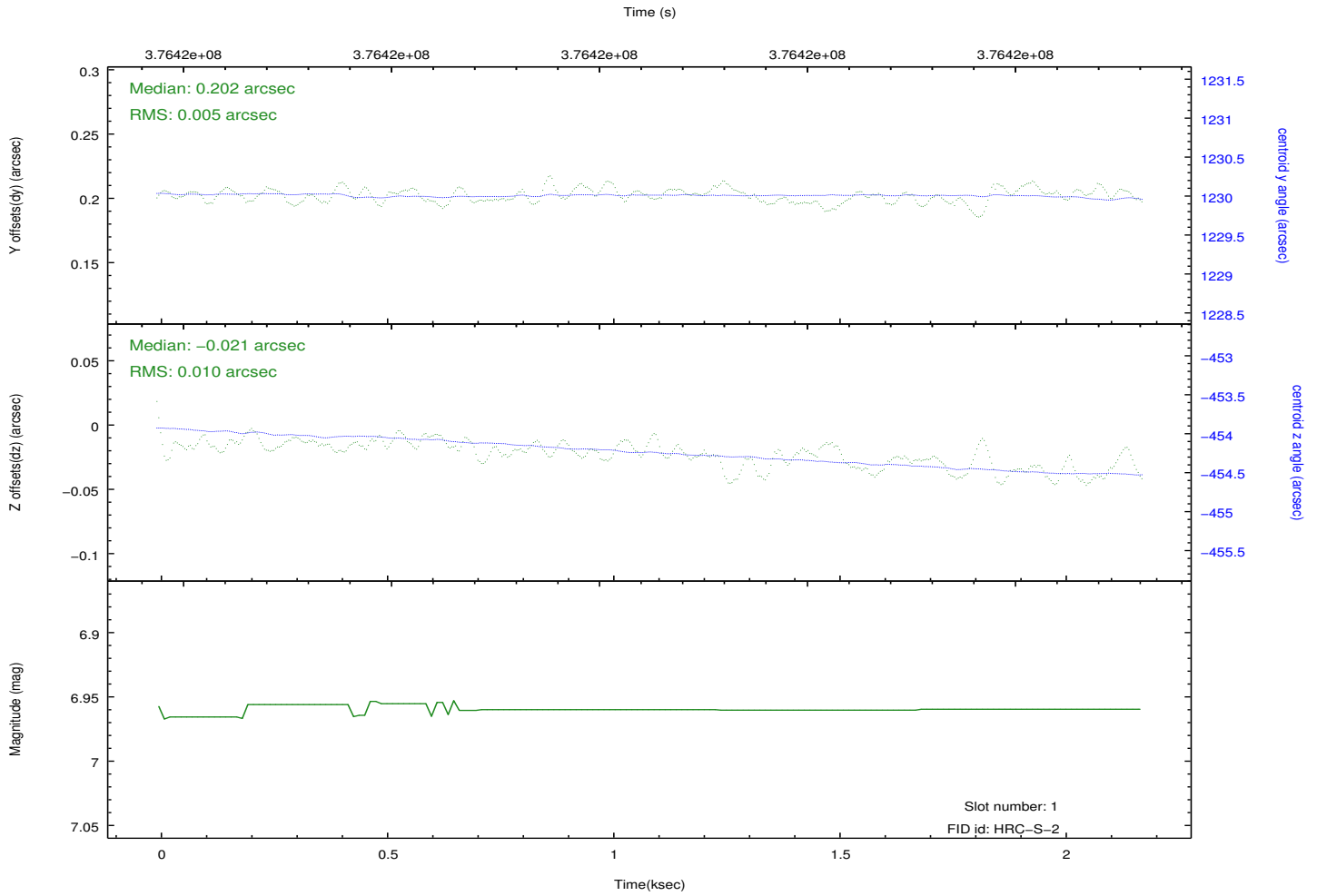
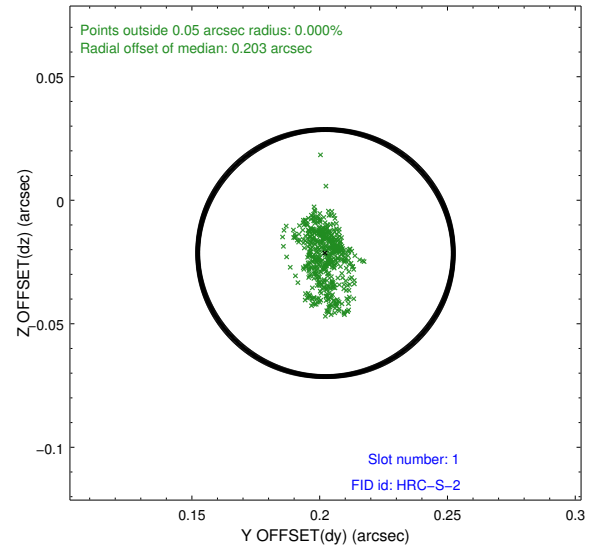
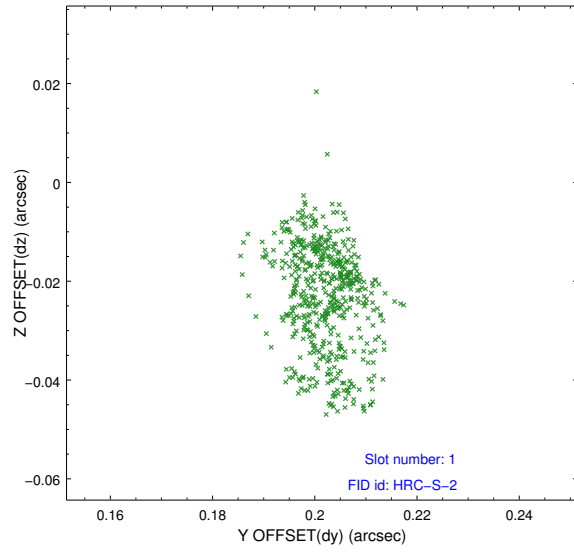


## 2.5 FID Slots

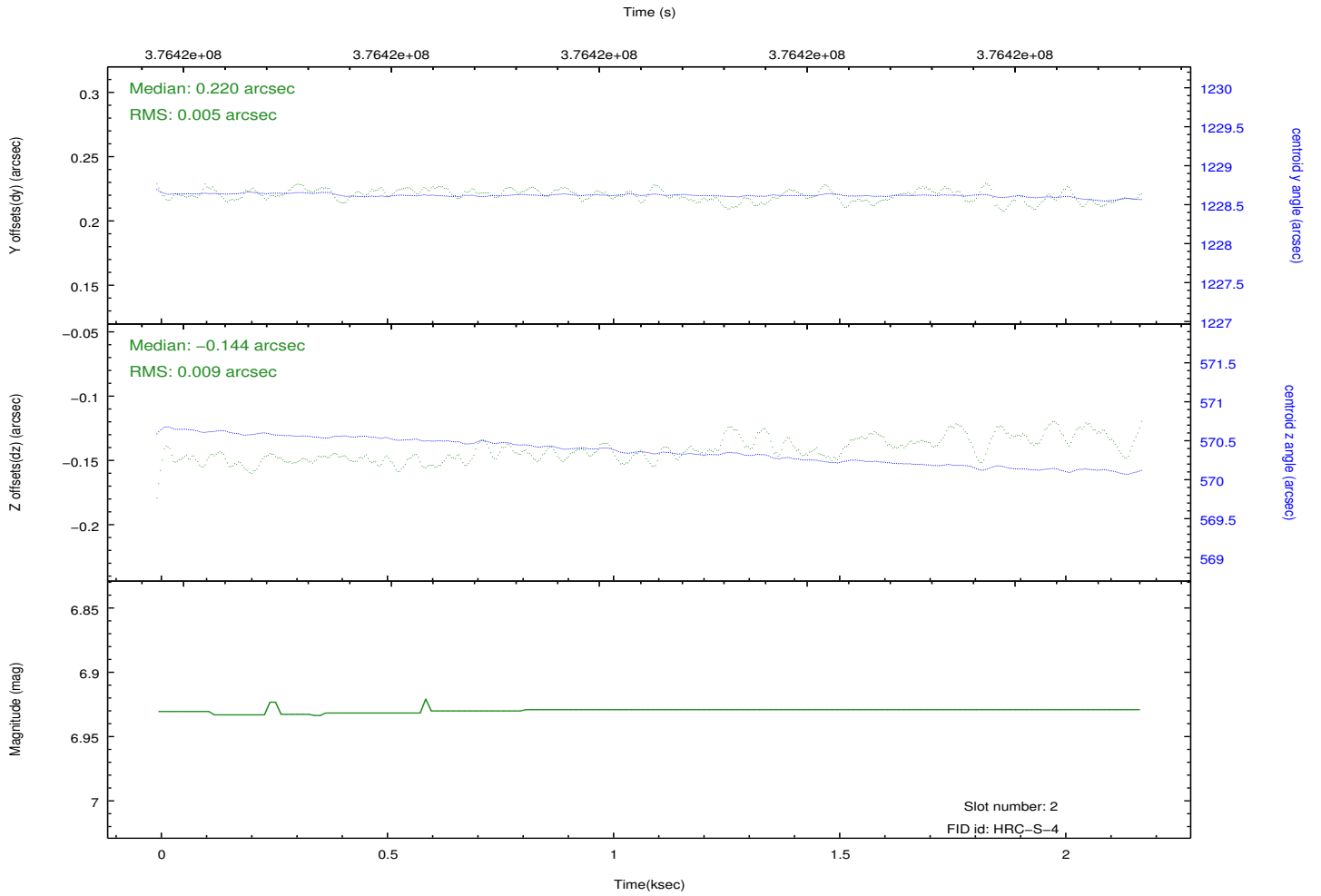
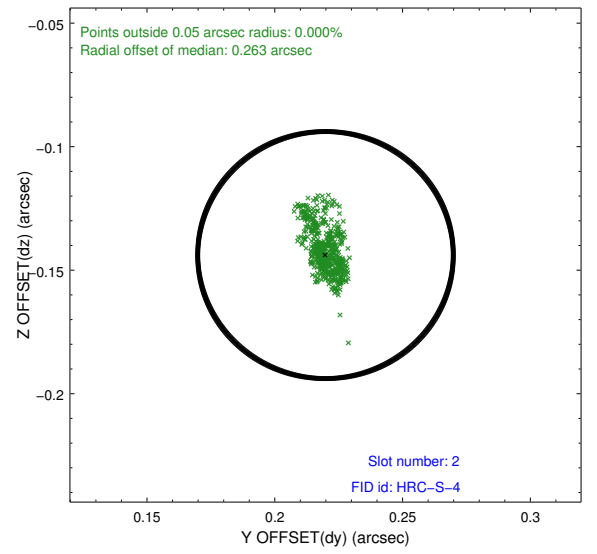
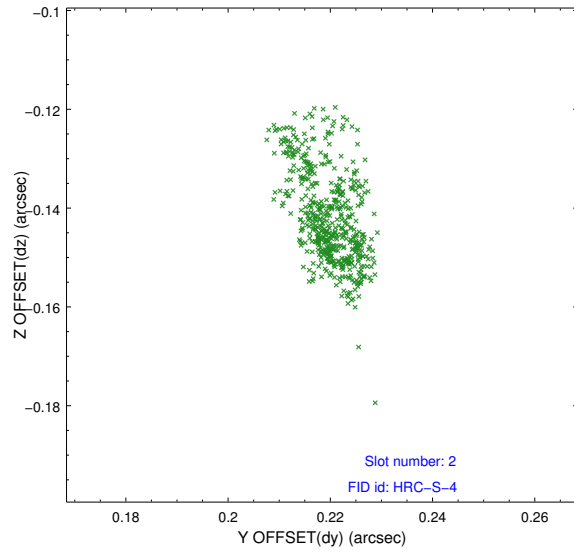
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.08.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1589063588977

### A.2 Comments

Window preference met.