

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 10625 - L2 Version 4  
Chandra X-Ray Center

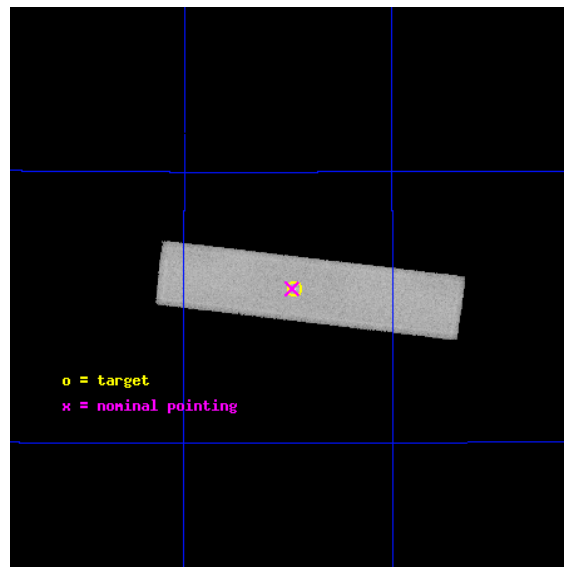
L2 Processing Date : Aug 12 2012

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# 1 Front

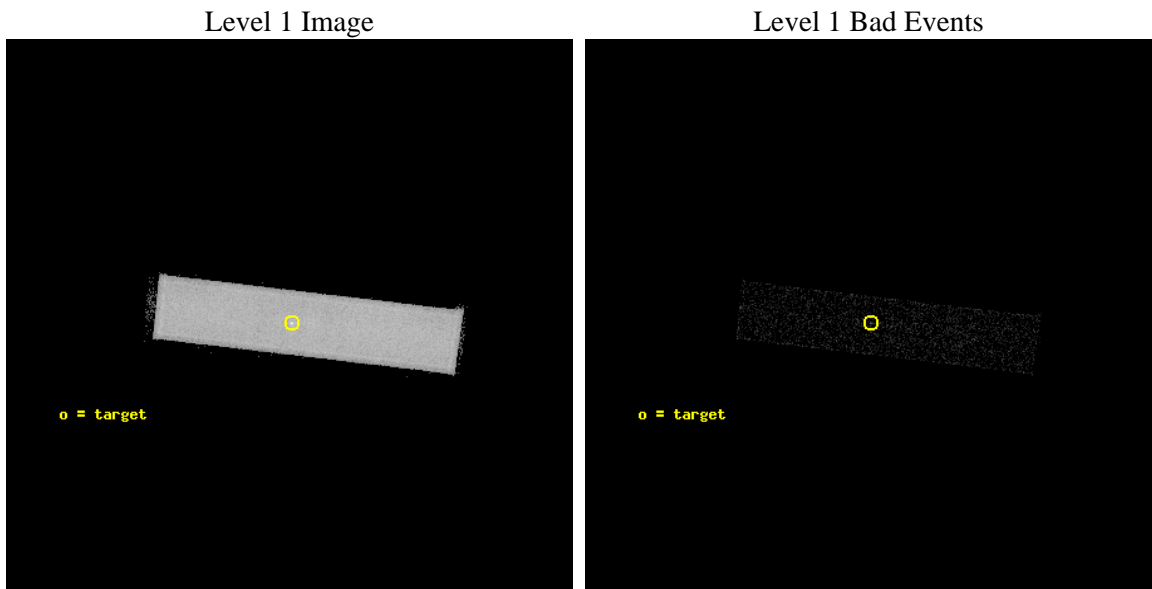
seq_num	290861	Sequence number
obs_id	10625	Observation id
title	AO-10 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.24113164705	Nominal RA [deg]
dec_nom	38.78465770879	Nominal Dec [deg]
roll_nom	6.6216615181851	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2143.5313559771	[s]
livetime	2119.5338670301	Ontime multiplied by DTCOR
l2events	174057	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	2143.5313559771	[s]
caldsver	4.5.1.1	&#160	l1events	309437	Number of level 1 events
date	2012-08-13T01:09:38	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

Level 1 Events

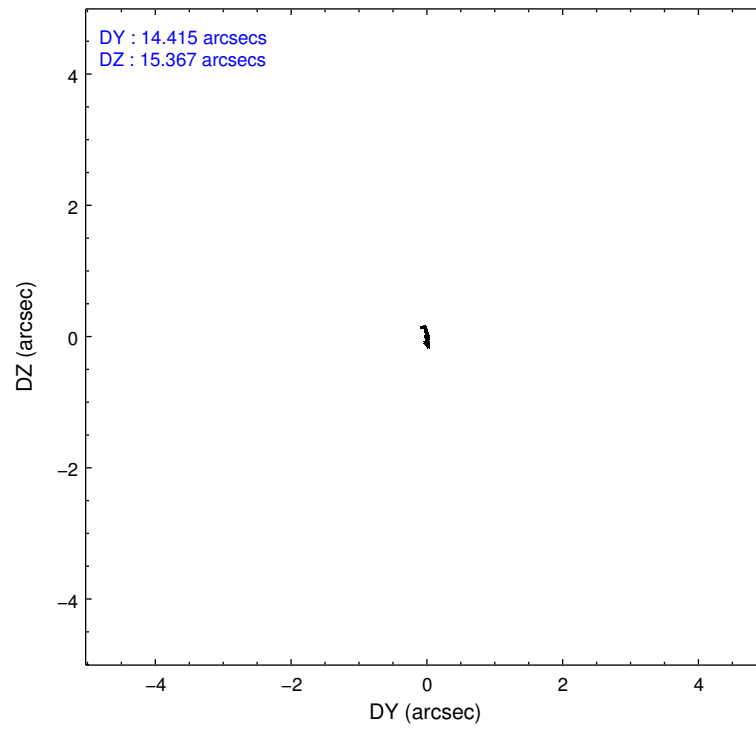
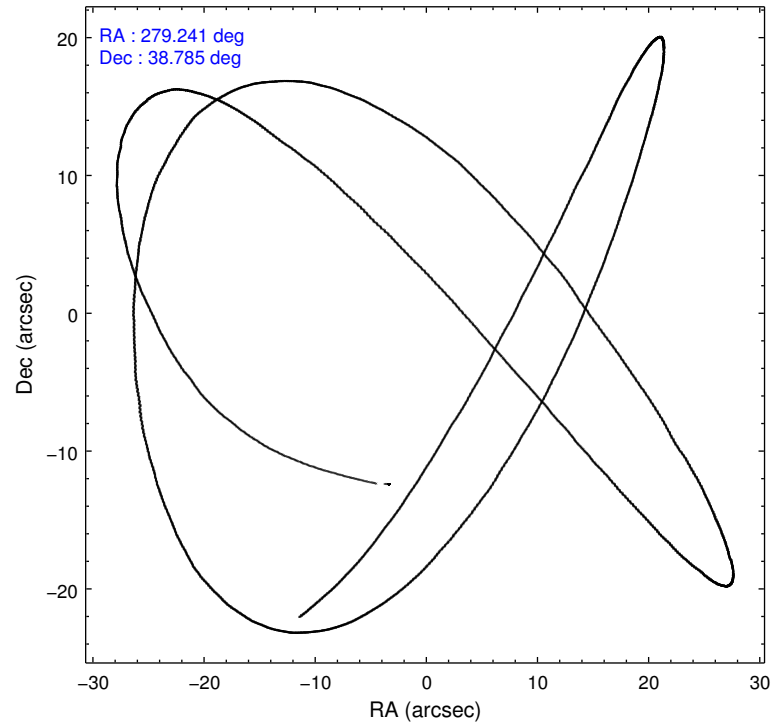
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	0	309437	0
rejected events	0	108289	0
rejected %	0%	34%	0%

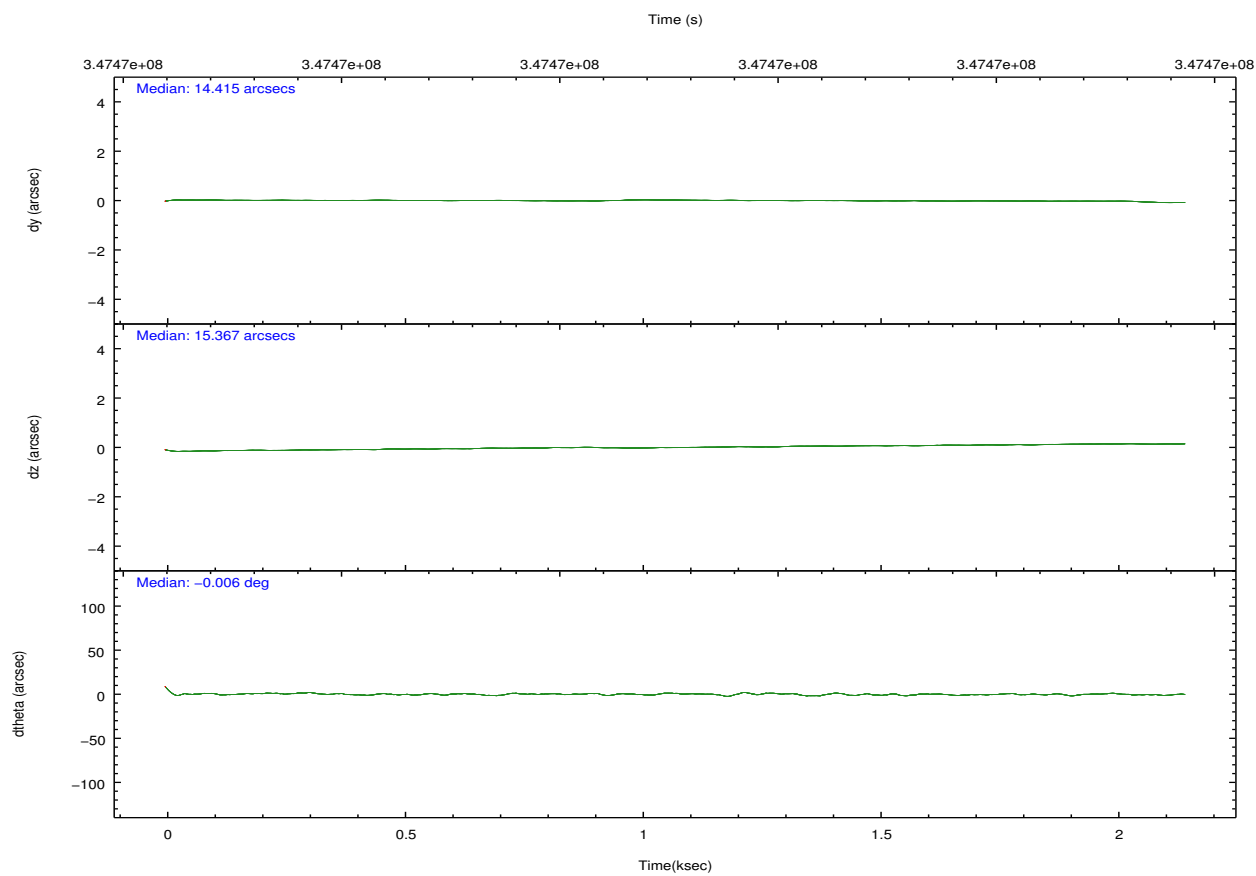
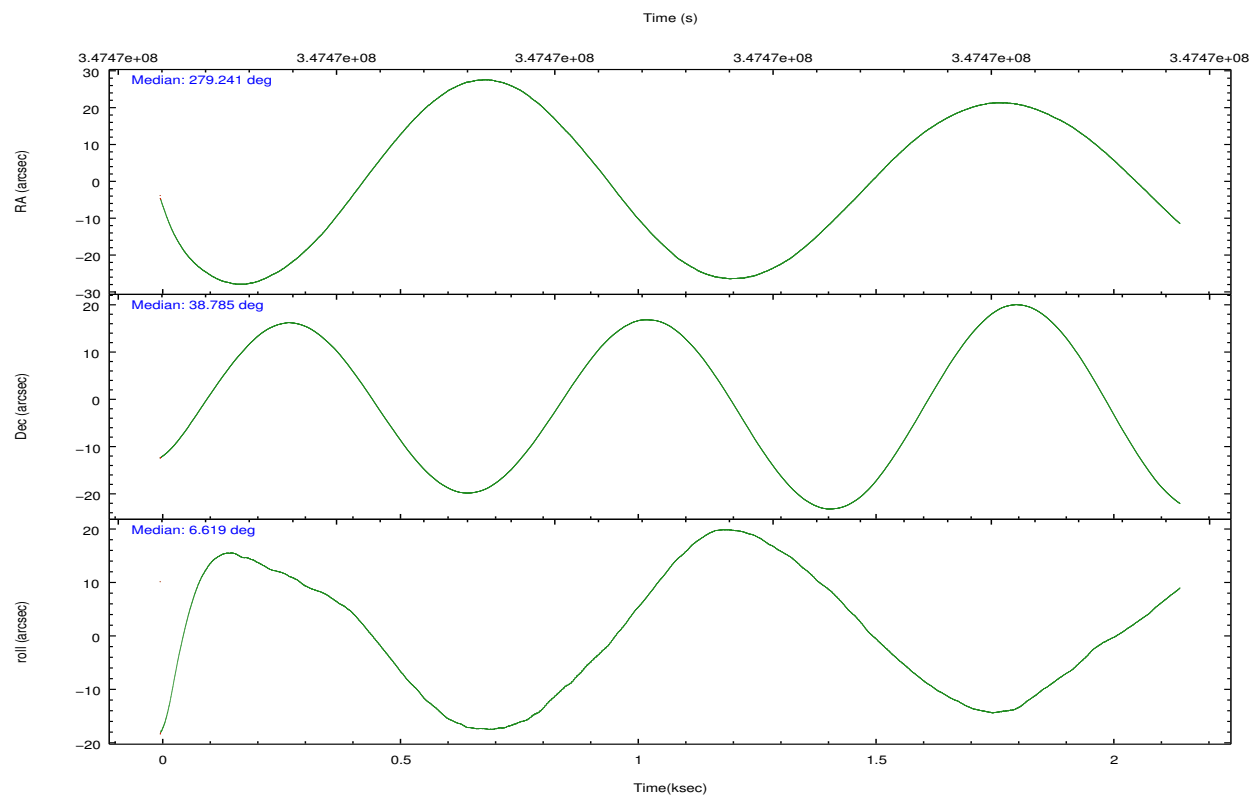
## 2.2 Compared Parameters

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	279.212668	279.241131647052
[deg] Pointing Dec	38.766006	38.7846577087905
[deg] Pointing Roll	6.572303	6.621661518185053
[s] Window start time (MET)	344476865.184000	344476865.184000
[s] Window stop time (MET)	352166466.184000	352166466.184000
[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)	347468333.184000	347466918.86309
Observation start date	2009-01-04T14:57:47	2009-01-04T14:35:18
[s] Observation end time (MET)	347470333.184000	347470465.87577
Observation end date	2009-01-04T15:31:07	2009-01-04T15:34:25

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

## 2.3 Aspect





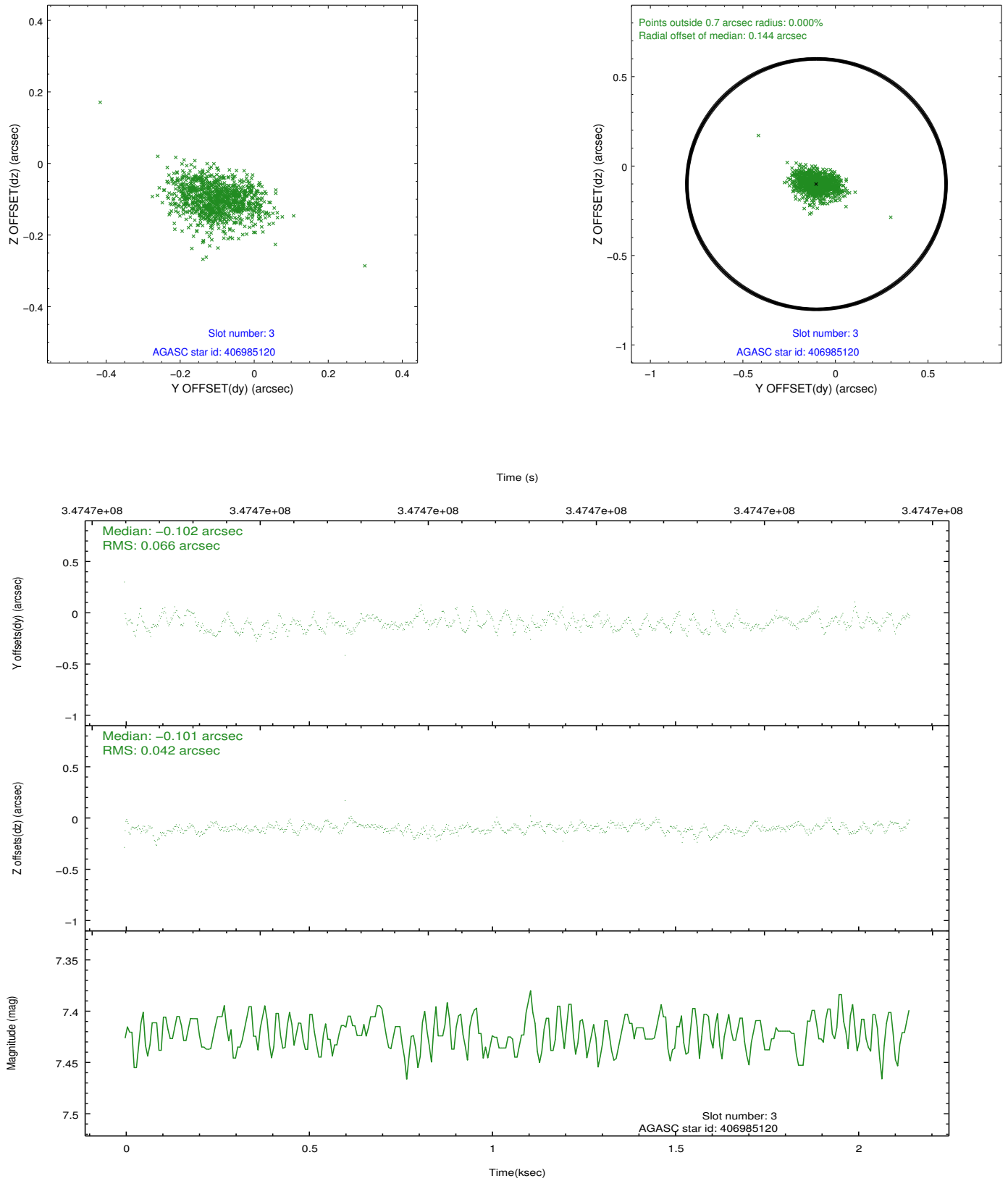
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	524	0.023	-0.139	0.005	0.009	0.000000	0.000000	-1168.82	-464.26
1	FID	HRC-S-2	6.99	524	0.161	-0.150	0.009	0.016	0.000000	0.000000	1228.74	-457.70
2	FID	HRC-S-4	6.95	524	0.219	-0.015	0.008	0.014	0.000000	0.000000	1231.92	567.16
3	GUIDE	406985120	7.42	1047	-0.102	-0.101	0.081	0.132	278.839732	38.894839	-985.00	580.91
4	GUIDE	406987272	6.94	1047	0.008	0.145	0.058	0.094	278.536588	38.437504	-2029.71	-949.99
5	GUIDE	406989616	8.24	1046	0.173	0.040	0.078	0.124	279.202881	38.520843	-130.30	-875.90
6	GUIDE	407513096	8.13	1047	-0.075	-0.080	0.068	0.113	279.928965	39.436841	2255.46	2176.81
7	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

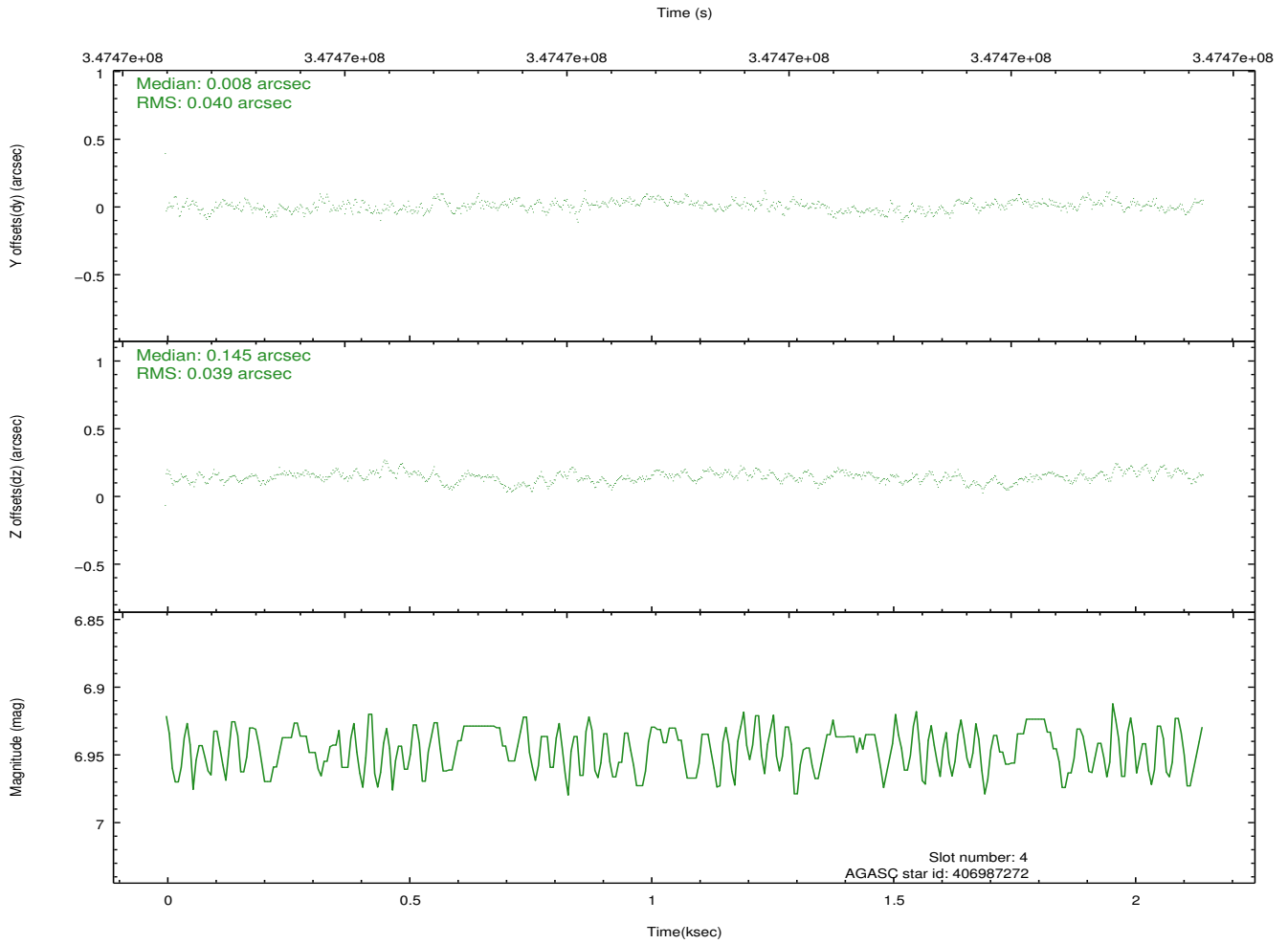
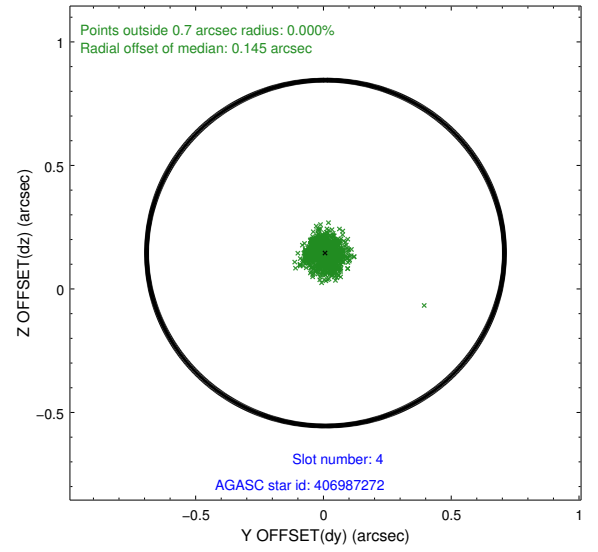
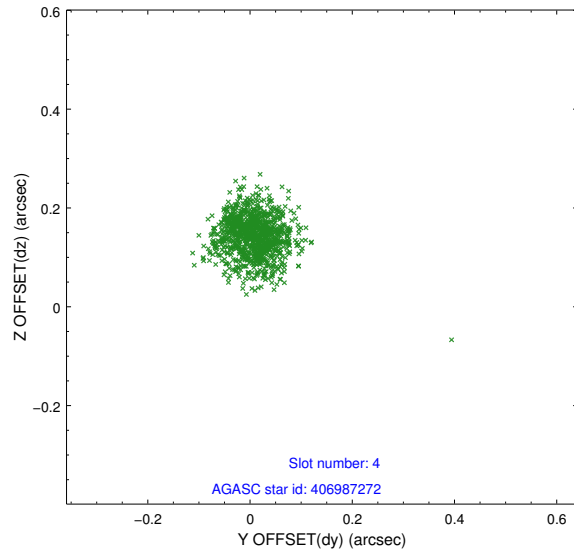


## 2.4 Star Slots

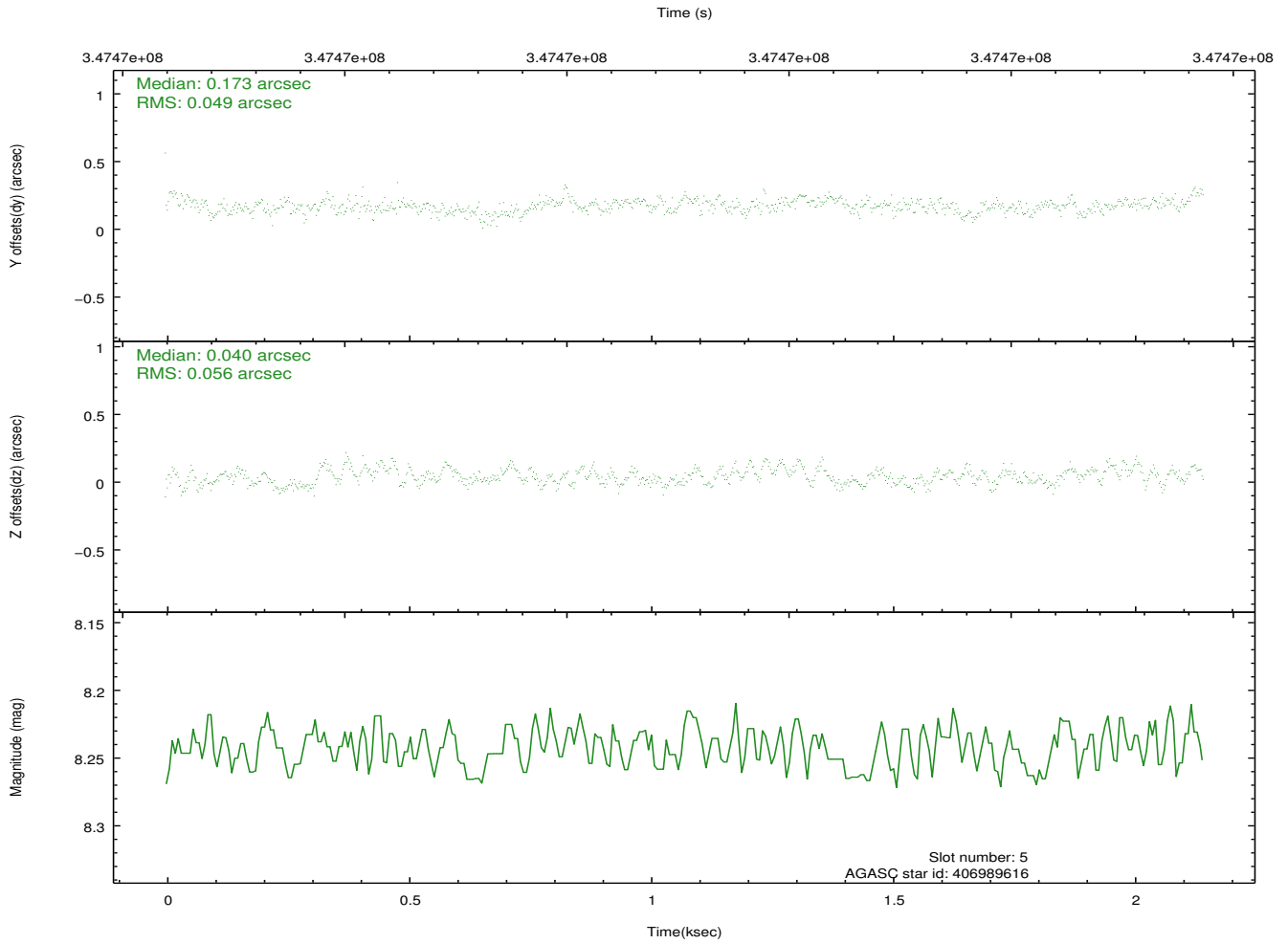
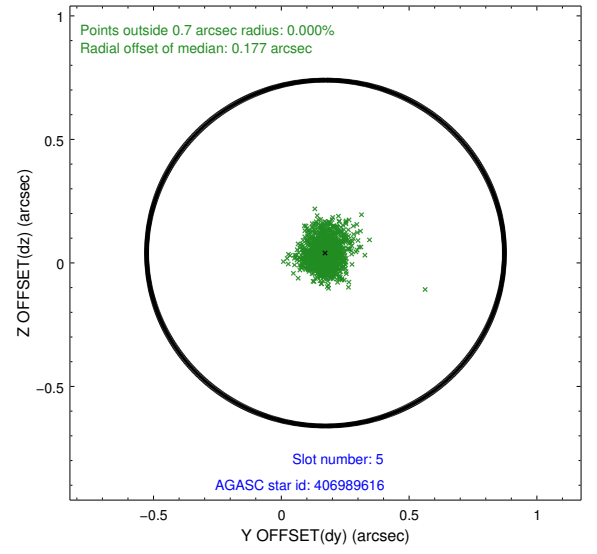
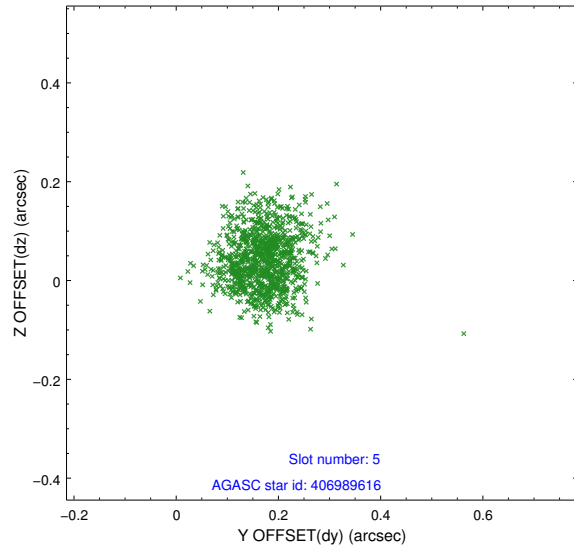
### 2.4.1 Slot 3



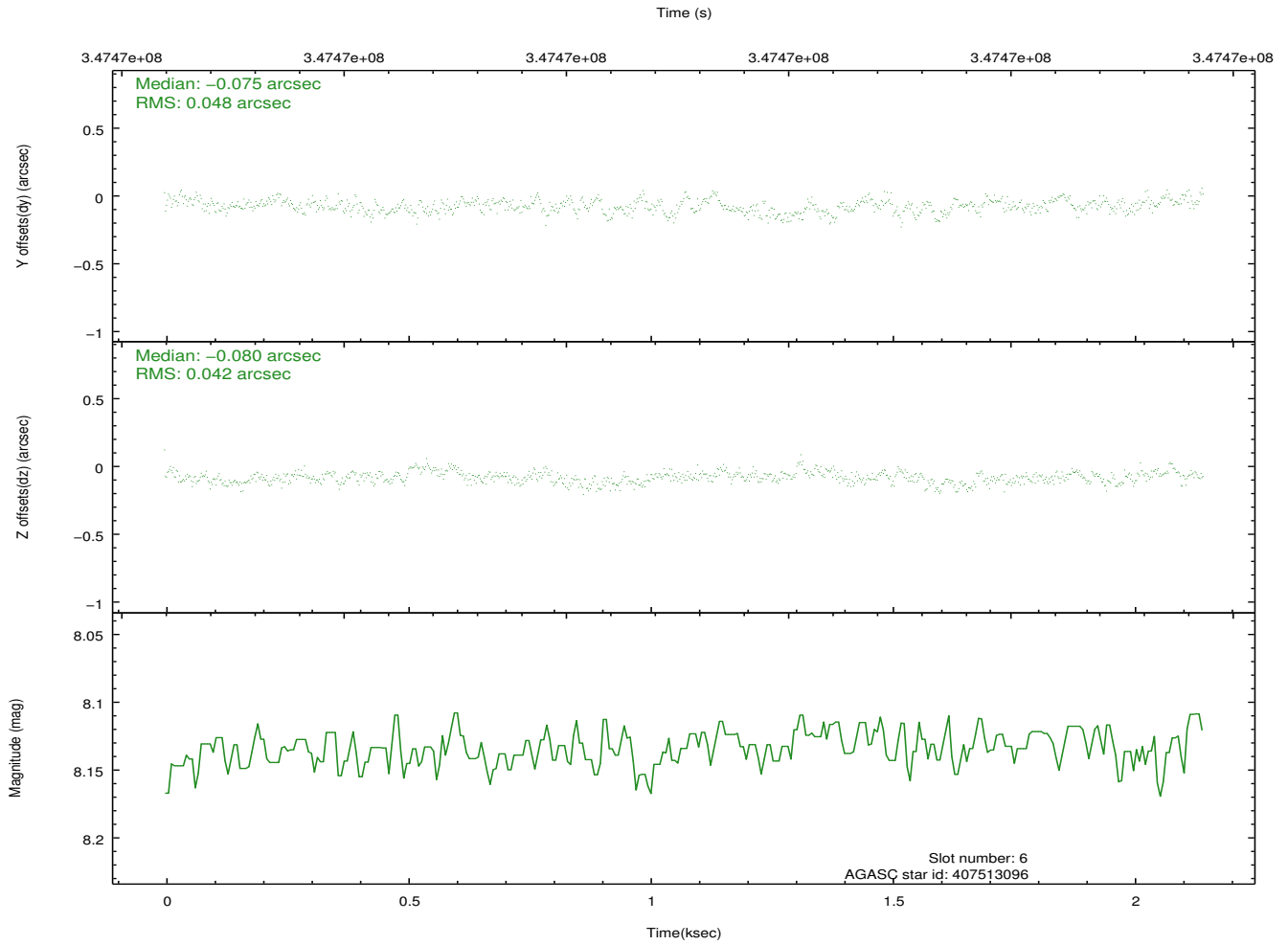
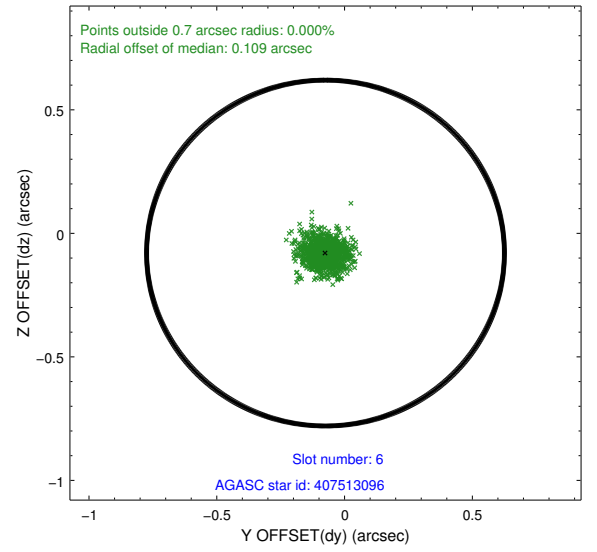
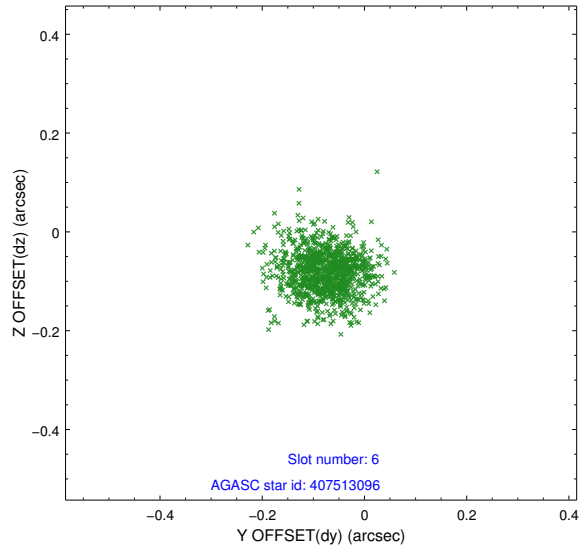
## 2.4.2 Slot 4



### 2.4.3 Slot 5

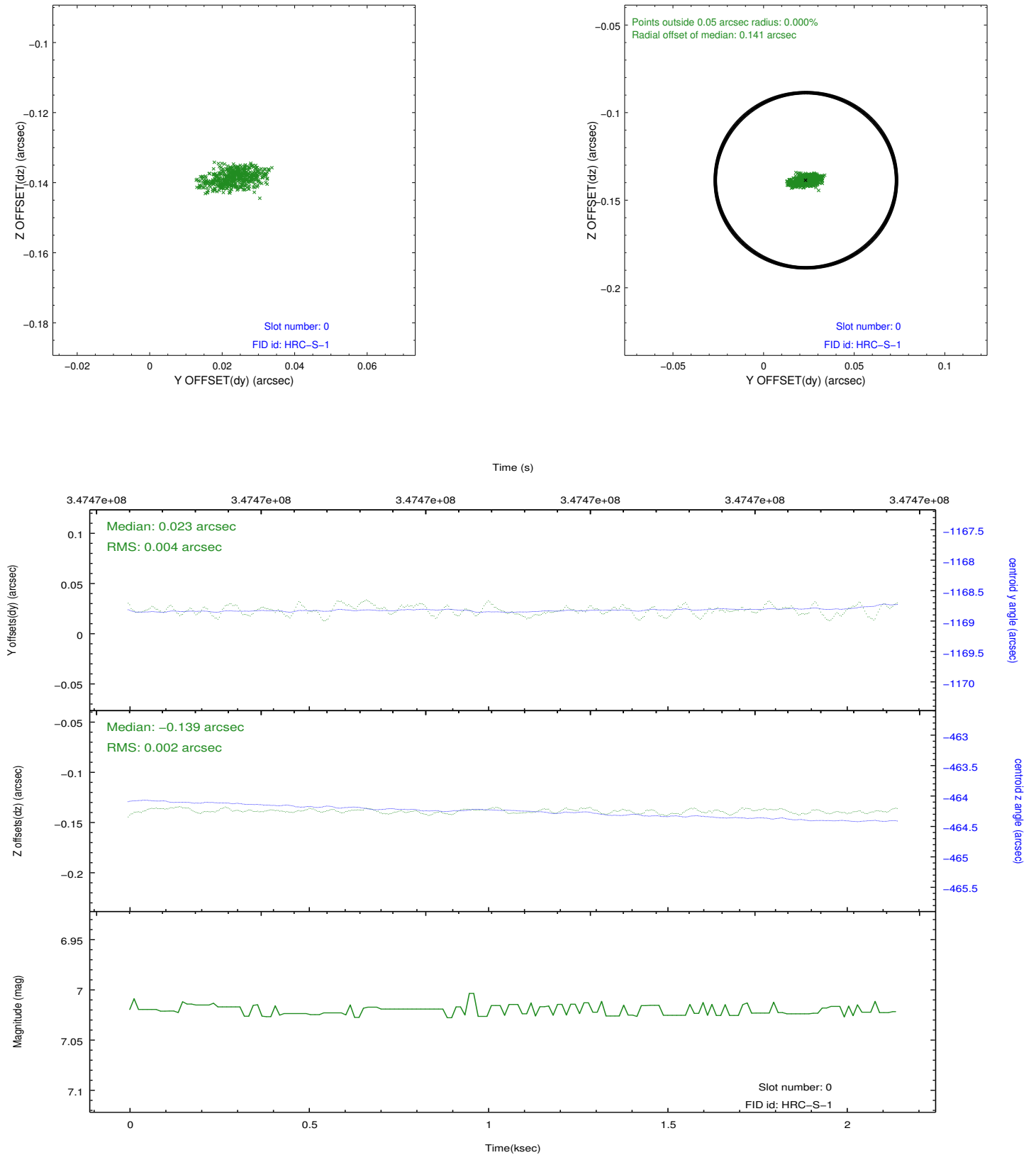


## 2.4.4 Slot 6

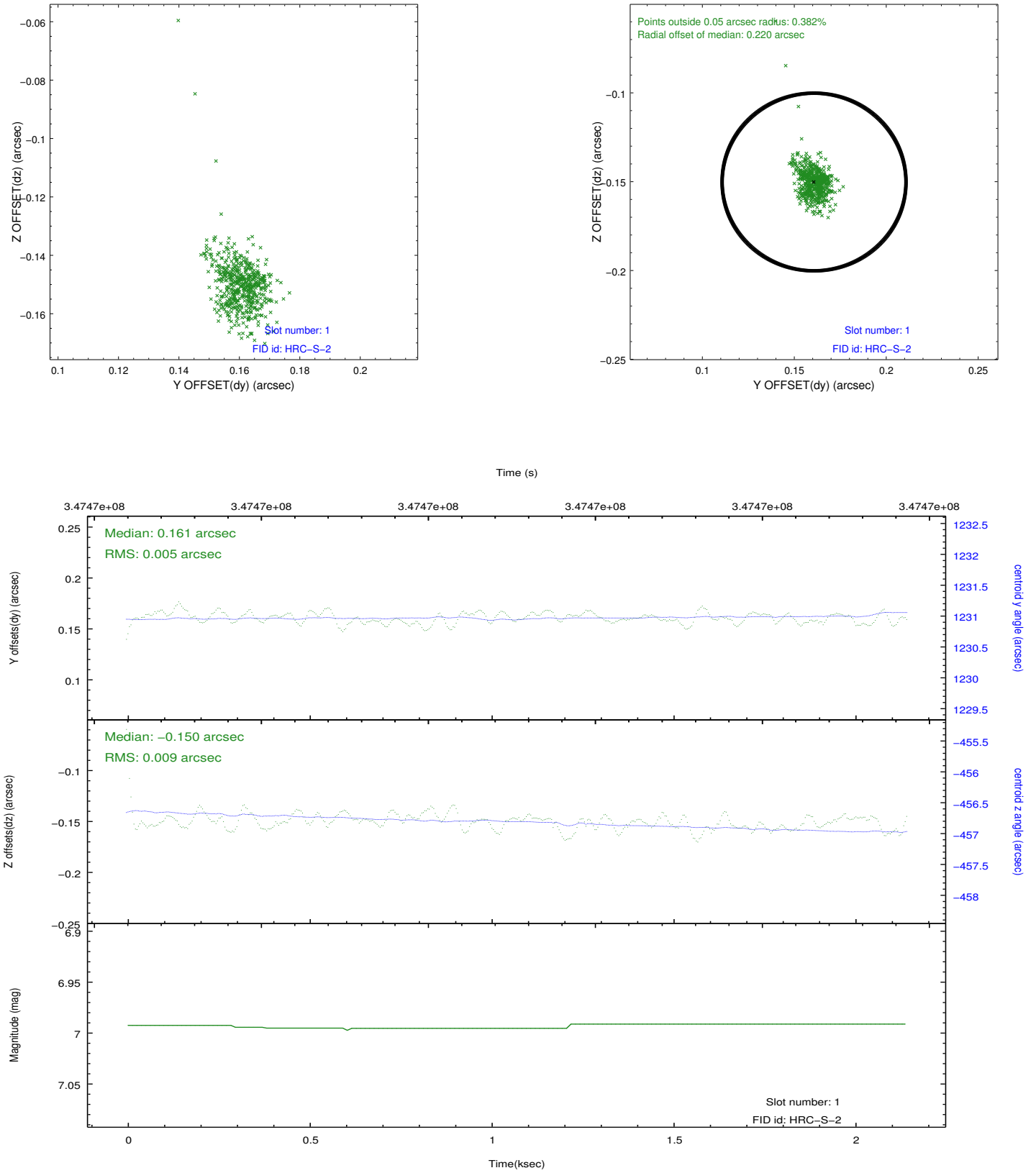


## 2.5 FID Slots

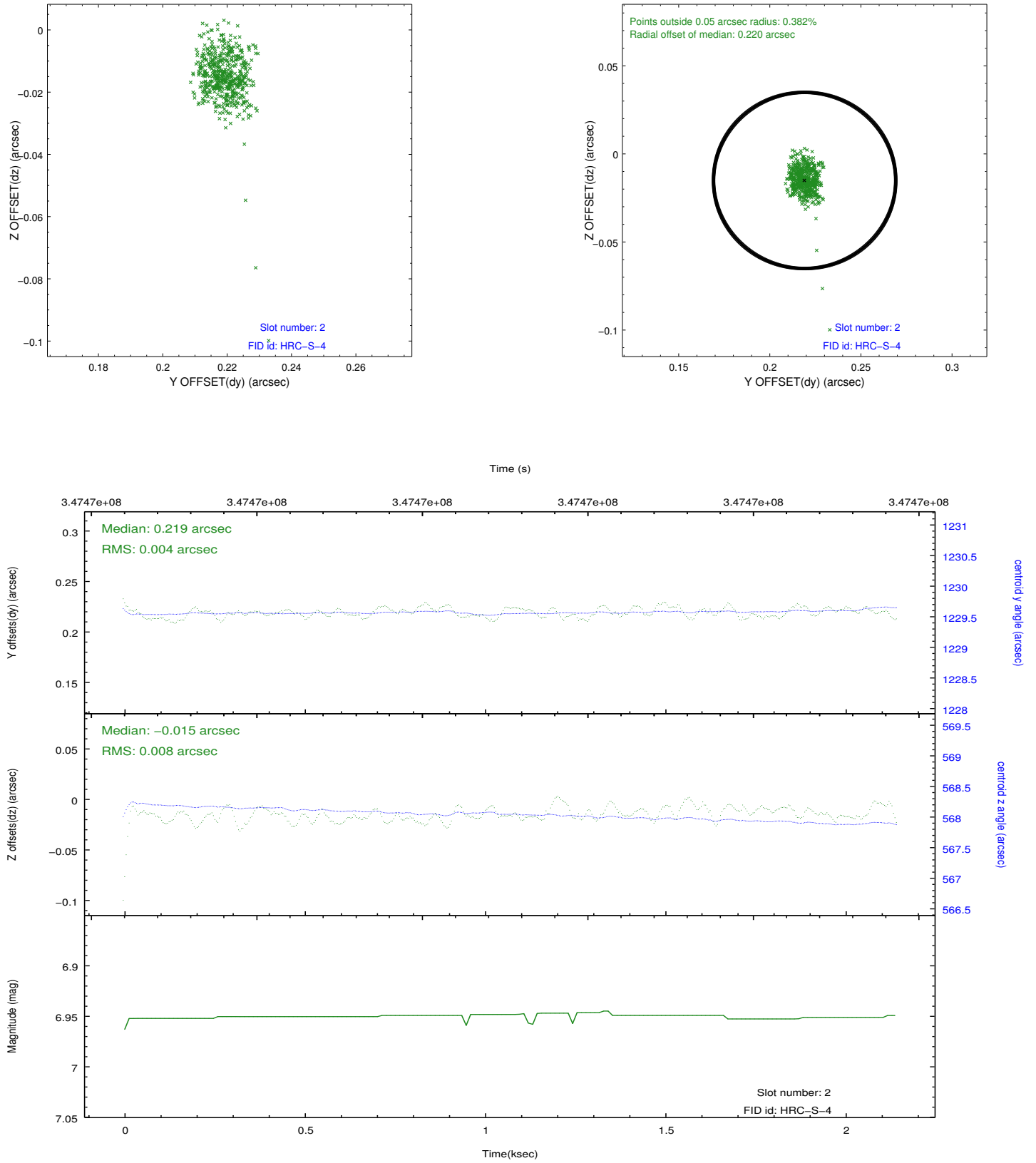
### 2.5.1 Slot 0



## 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)	2012.08.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.14353135

### A.2 Comments

Window preference met. The guide star in slot 7 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this star from the solution.