

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11945 - L2 Version 2  
Chandra X-Ray Center

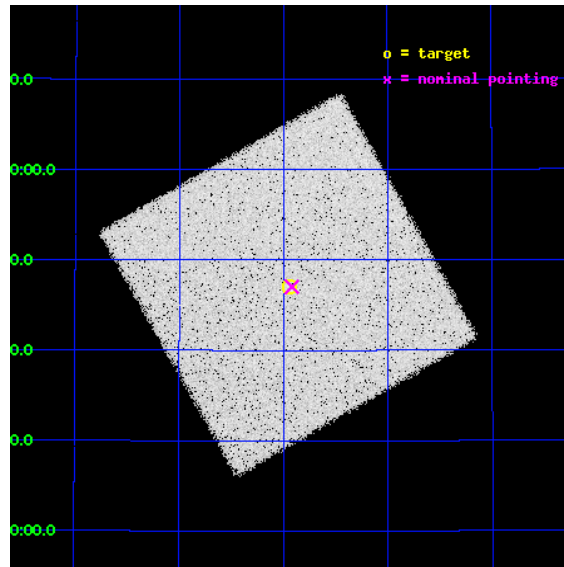
L2 Processing Date : Jun 29 2012

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Parameters . . . . .	4
2.1.3	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	9
2.4.1	Slot 3 . . . . .	9
2.4.2	Slot 4 . . . . .	10
2.4.3	Slot 5 . . . . .	11
2.4.4	Slot 6 . . . . .	12
2.4.5	Slot 7 . . . . .	13
2.5	FID Slots . . . . .	14
2.5.1	Slot 0 . . . . .	14
2.5.2	Slot 1 . . . . .	15
2.5.3	Slot 2 . . . . .	16
<b>A</b>	<b>Summary</b>	<b>17</b>
A.1	Status . . . . .	17
A.2	Comments . . . . .	17

# 1 Front

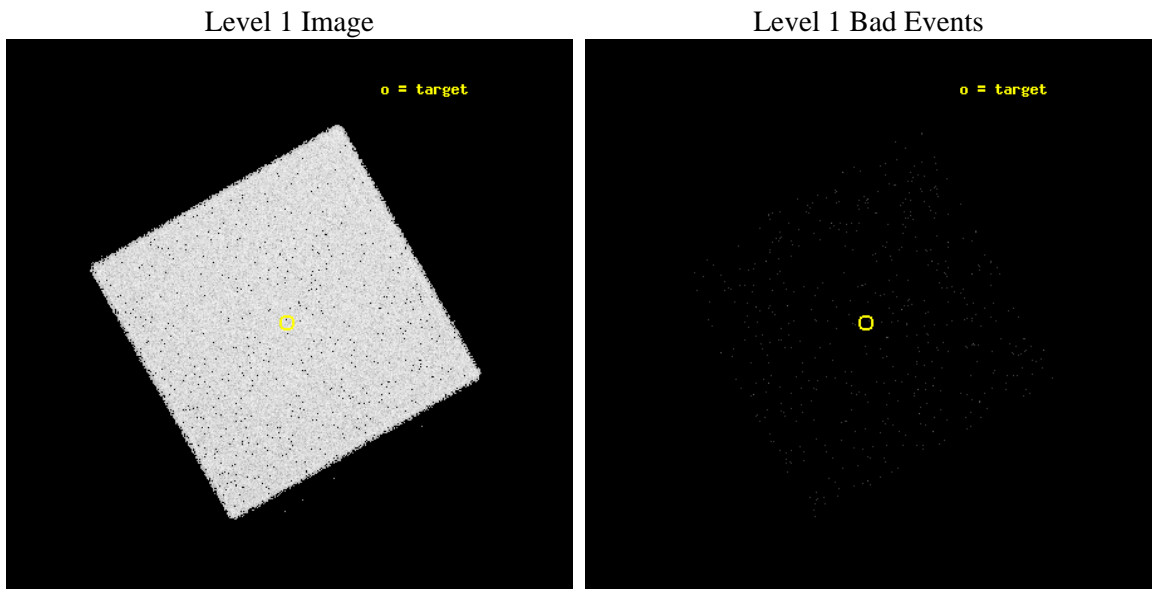
seq_num	290934	Sequence number
obs_id	11945	Observation id
title	AO-11 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.22963034574	Nominal RA [deg]
dec_nom	38.784106592431	Nominal Dec [deg]
roll_nom	195.37634368017	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2180.175111413	[s]
liveltime	2155.4707671698	Ontime multiplied by DTCOR
l2events	166187	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	2180.175111413	[s]
caldbver	4.5.0	&#160	l1events	254327	Number of level 1 events
date	2012-06-30T01:56:23	Date and time of file creation			
revision	2	Processing version of data			

### 2.1.3 Events

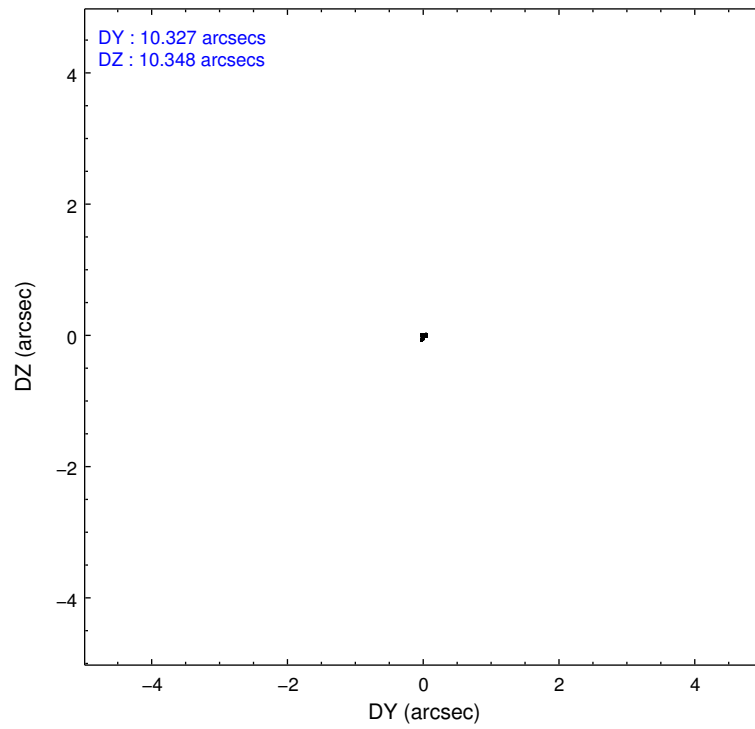
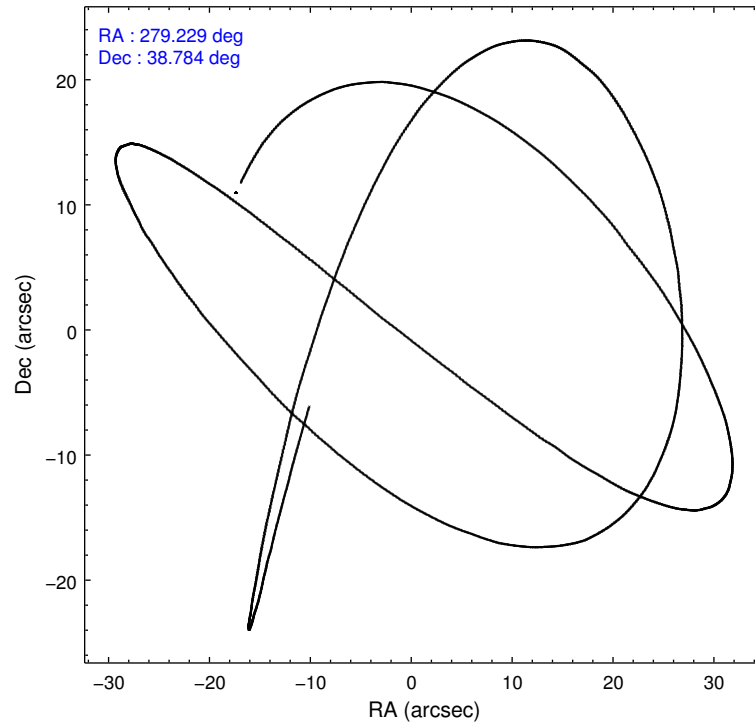
#### Level 1 Events

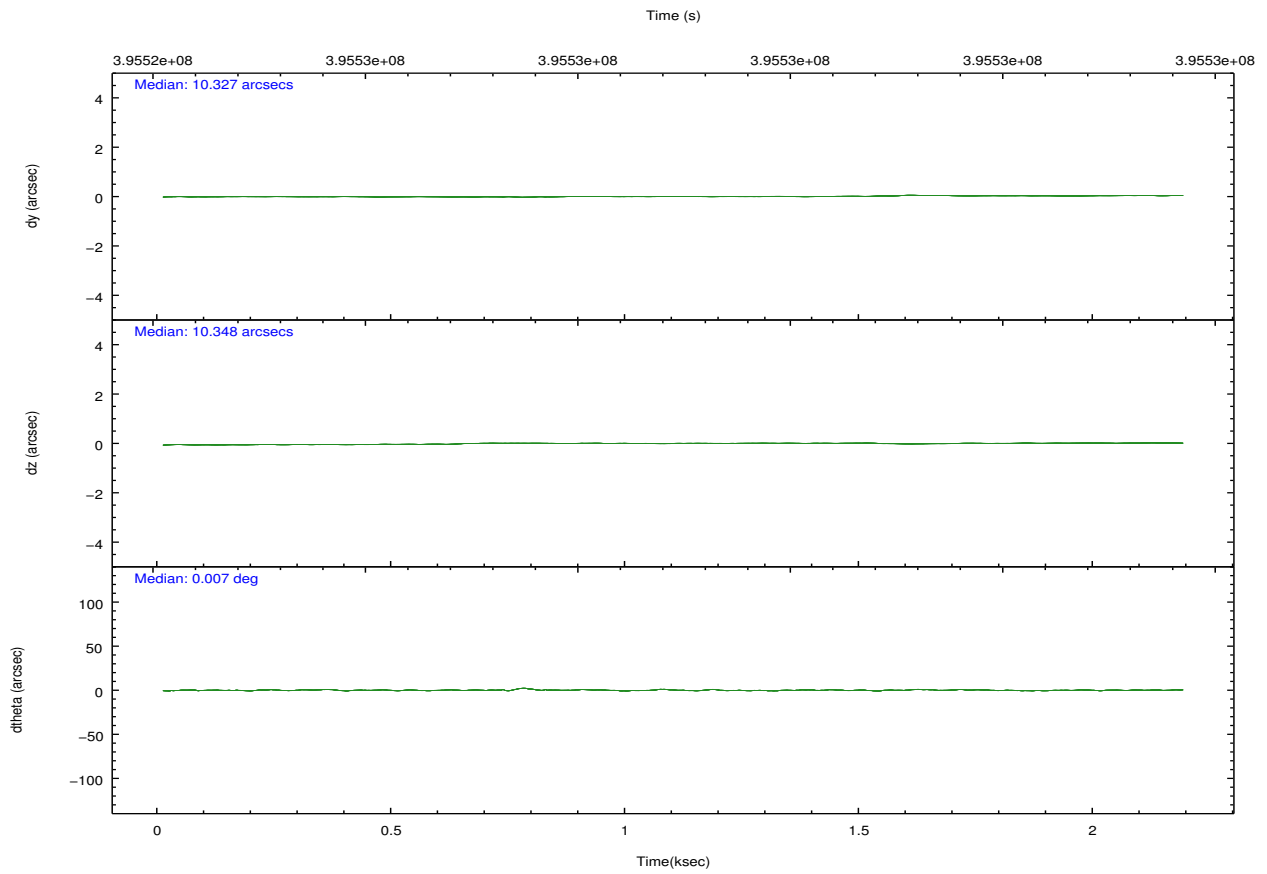
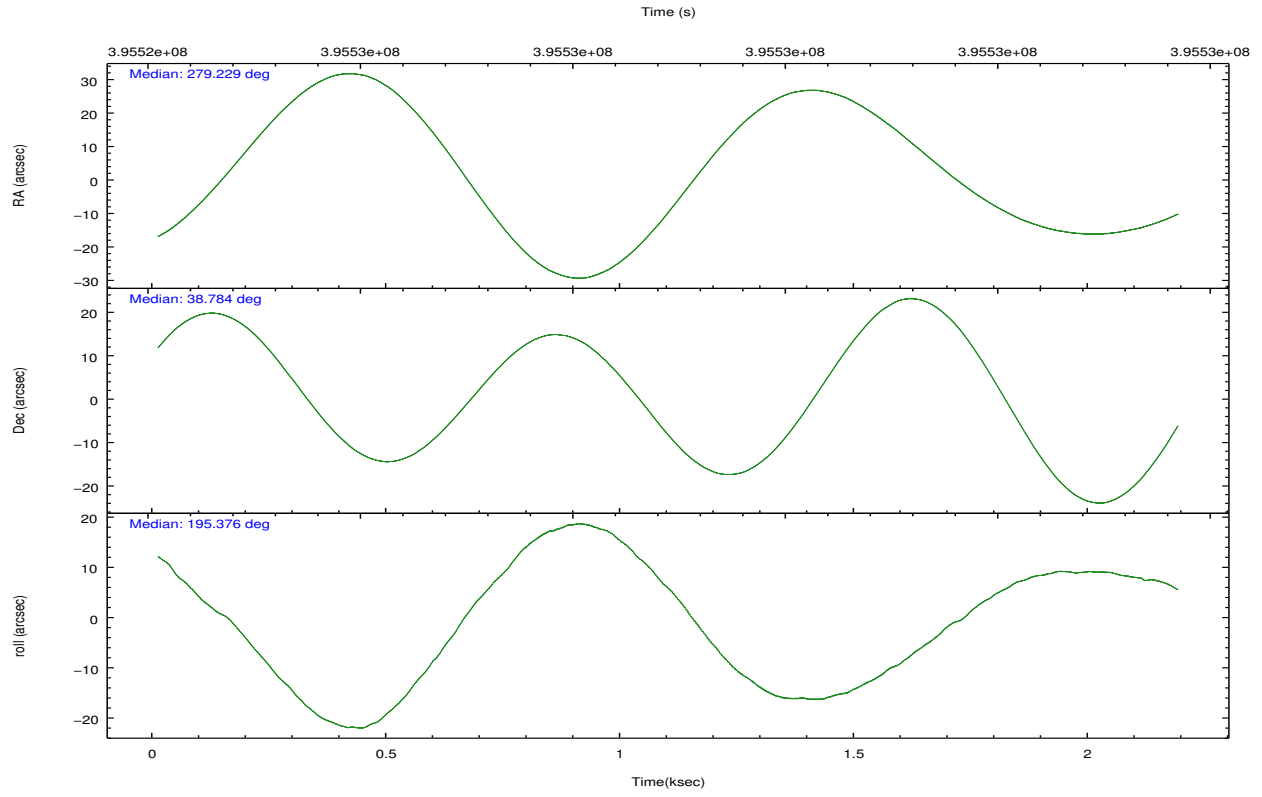
	<b>segment 0</b>
level 1 events	254327
rejected events	18642
rejected %	7%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	279.253546	279.2296303457353			
[deg] Pointing Dec	38.804034	38.78410659243097			
[deg] Pointing Roll	195.456835	195.3763436801722			
[s] Window start time (MET)	391737666.184000	391737666.184000			
[s] Window stop time (MET)	399600066.184000	399600066.184000			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9854943052878			
[mm] SIM translation stage offset	0	-5.413686238853188e-06			
[s] Observation start time (MET)	395525314.184000	395524896.00464			
Observation start date	2010-07-14T20:07:28	2010-07-14T20:01:36			
[s] Observation end time (MET)	395527314.184000	395528614.70483			
Observation end date	2010-07-14T20:40:48	2010-07-14T21:03:34			

## 2.3 Aspect





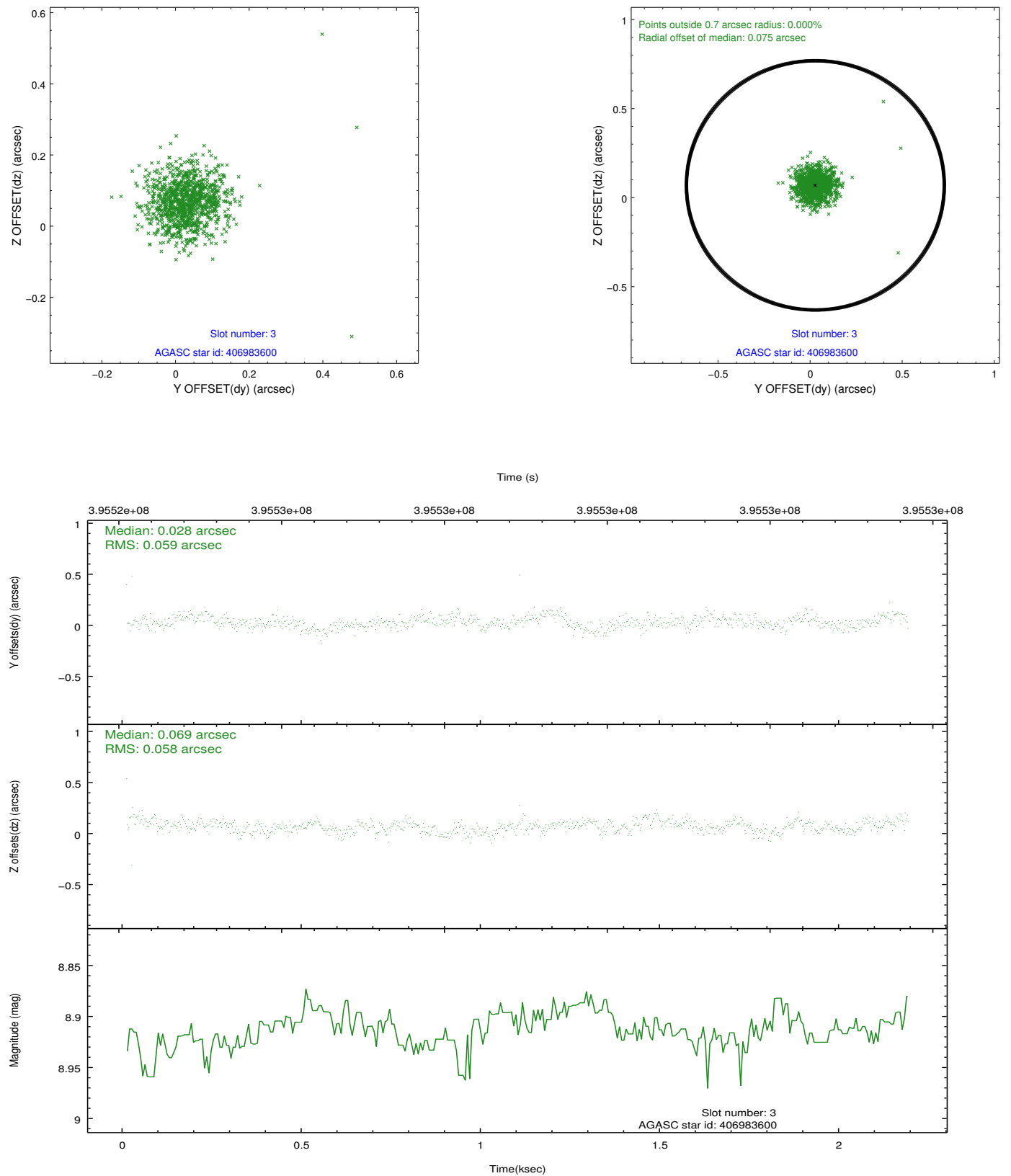
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	532	-0.049	0.009	0.007	0.012	0.000000	0.000000	-766.03	-1298.34
1	FID	HRC-I-2	7.00	532	0.174	-0.091	0.005	0.010	0.000000	0.000000	845.38	-1302.42
2	FID	HRC-I-3	7.06	532	-0.006	-0.007	0.006	0.011	0.000000	0.000000	-1192.93	1003.75
3	GUIDE	406983600	8.91	1063	0.028	0.069	0.083	0.133	279.940957	39.020708	-2063.28	-245.57
4	GUIDE	406985120	7.43	1065	0.203	0.048	0.073	0.118	278.839732	38.894839	1028.21	-627.13
5	GUIDE	406987272	6.95	1065	-0.318	-0.099	0.057	0.089	278.536588	38.437504	2299.17	723.77
6	GUIDE	406989616	8.22	1064	-0.072	-0.116	0.067	0.112	279.202881	38.520843	411.57	944.80
7	GUIDE	406979352	9.24	1061	0.158	0.099	0.102	0.164	279.968297	39.230258	-2331.08	-952.92

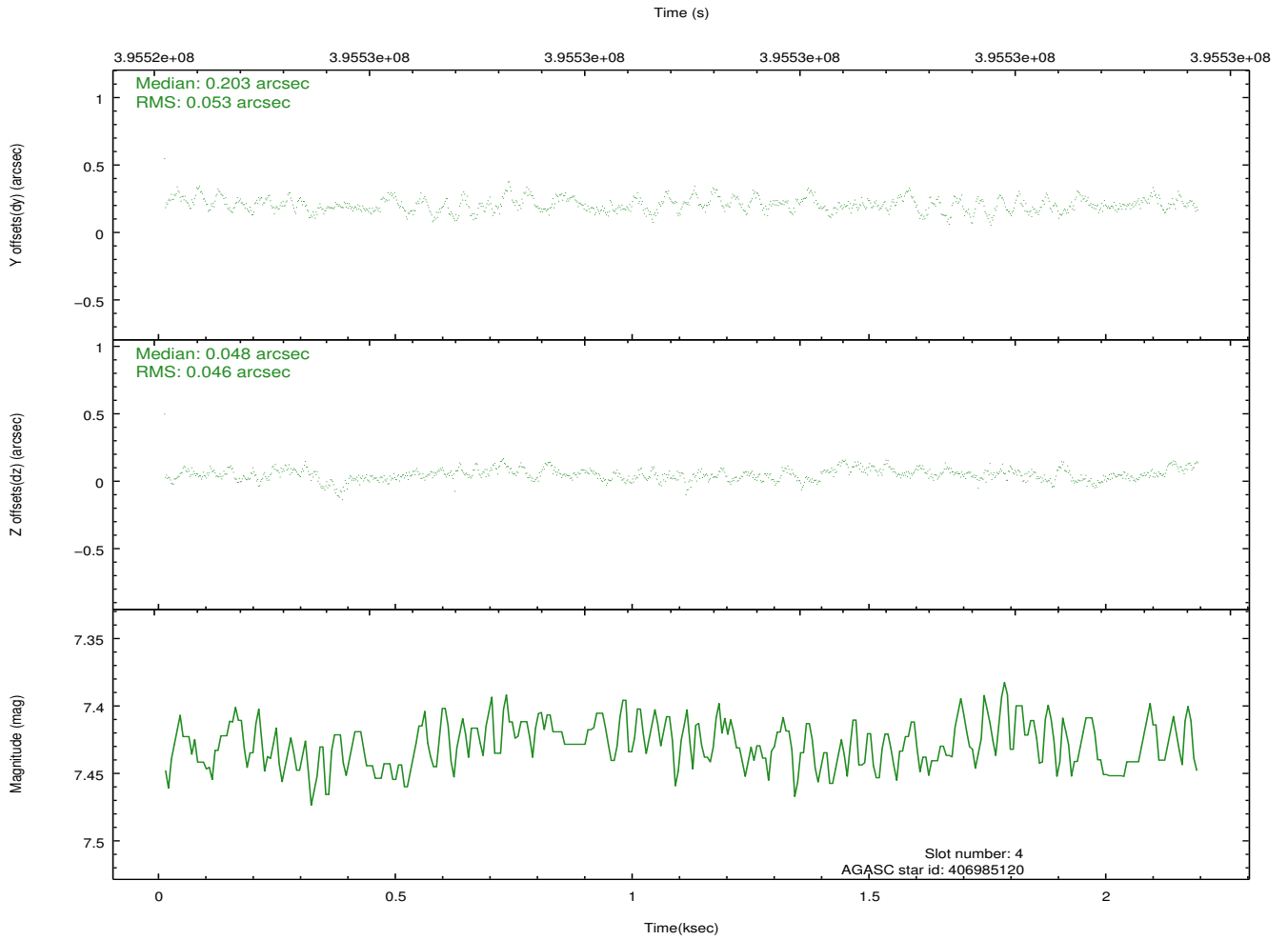
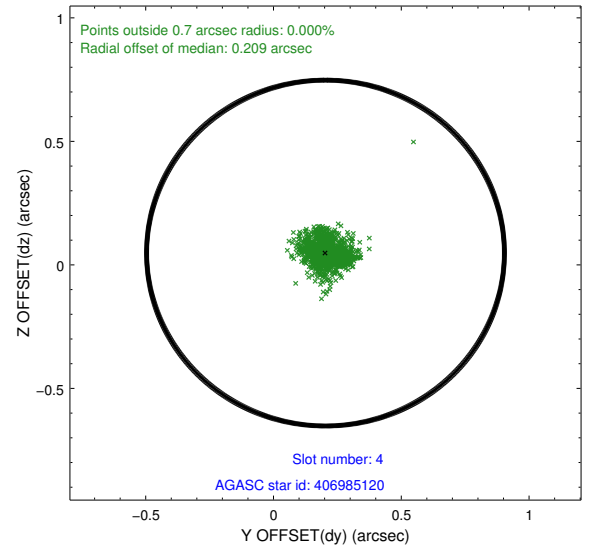
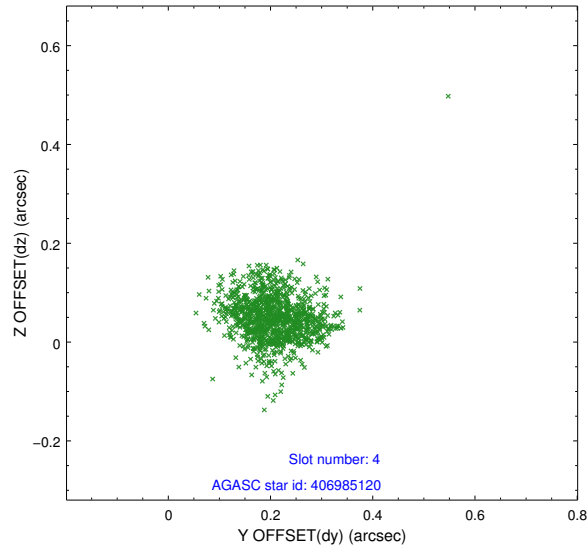


## 2.4 Star Slots

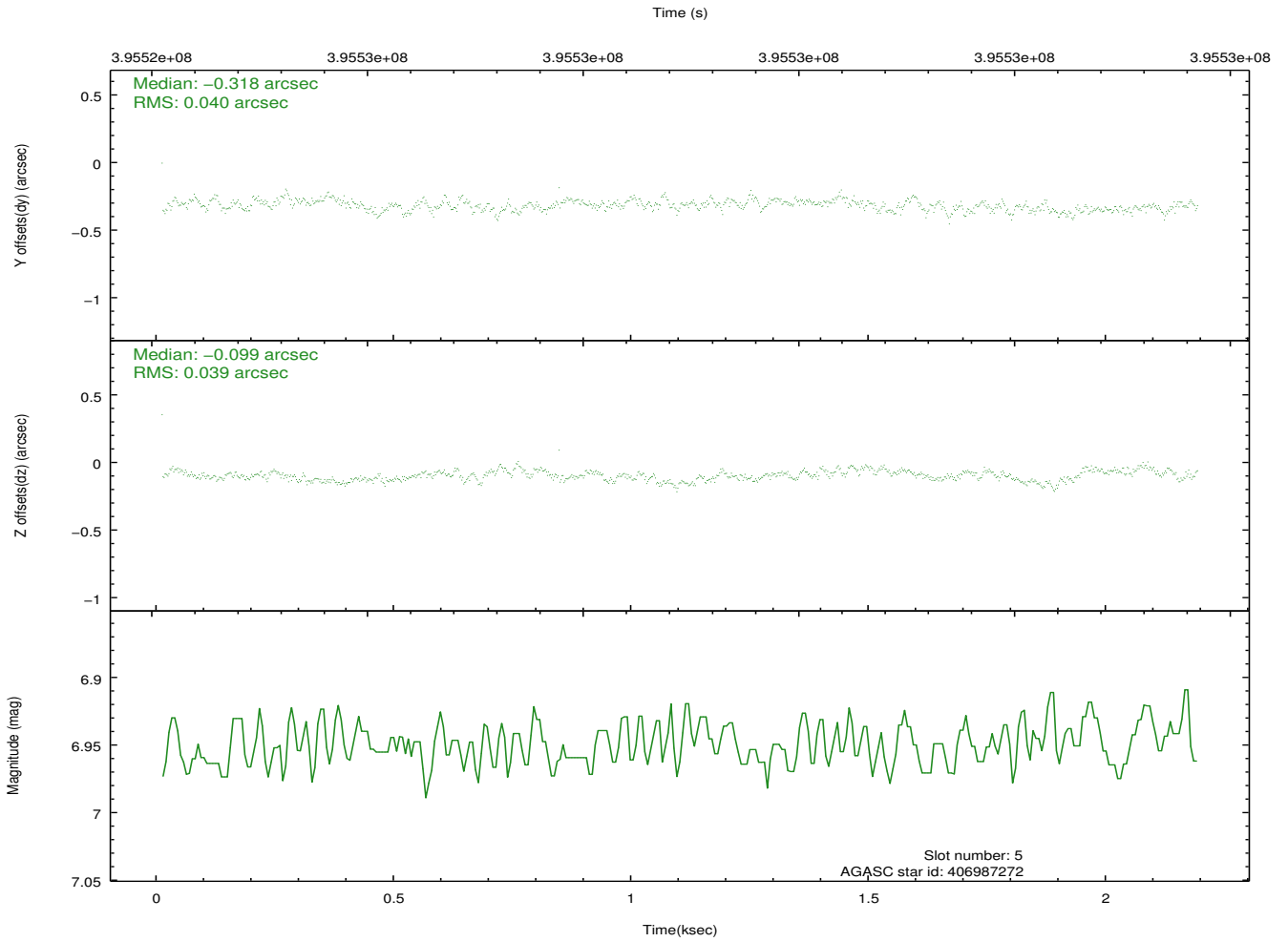
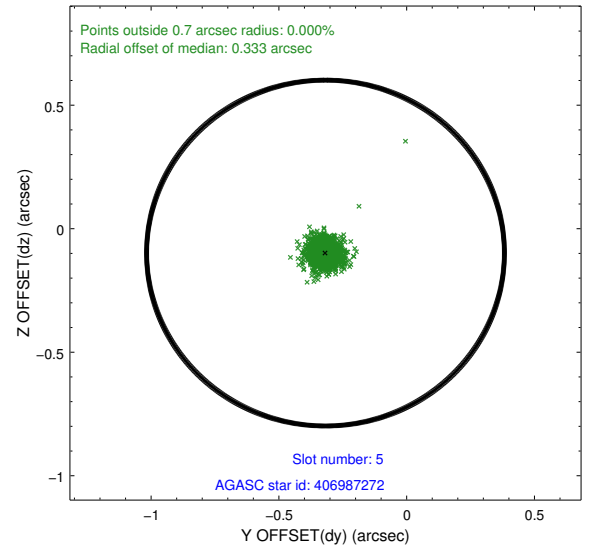
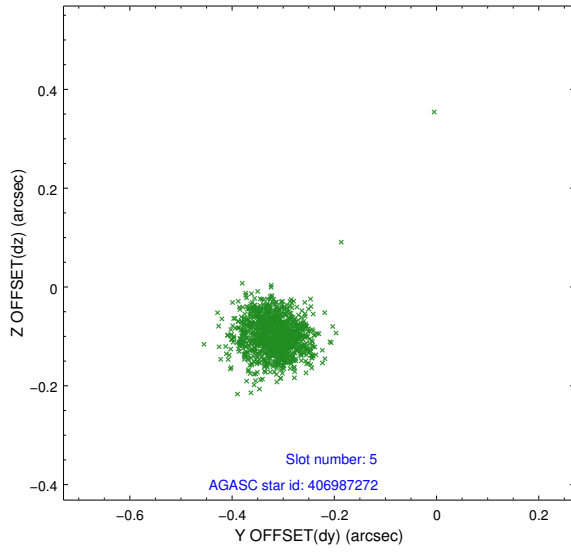
### 2.4.1 Slot 3



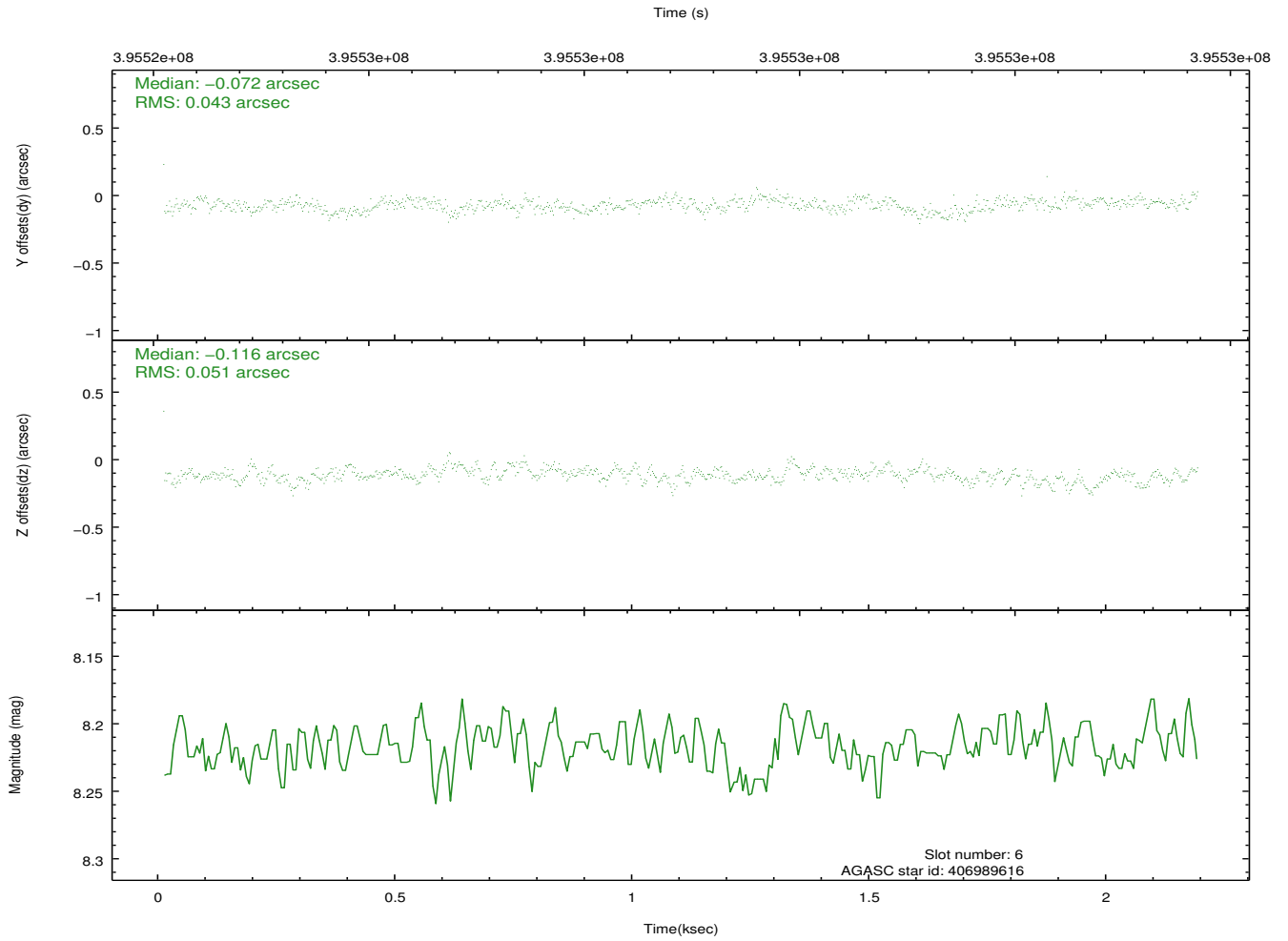
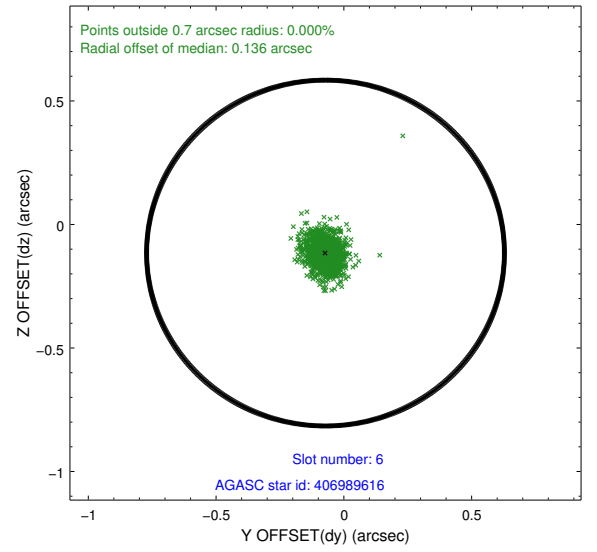
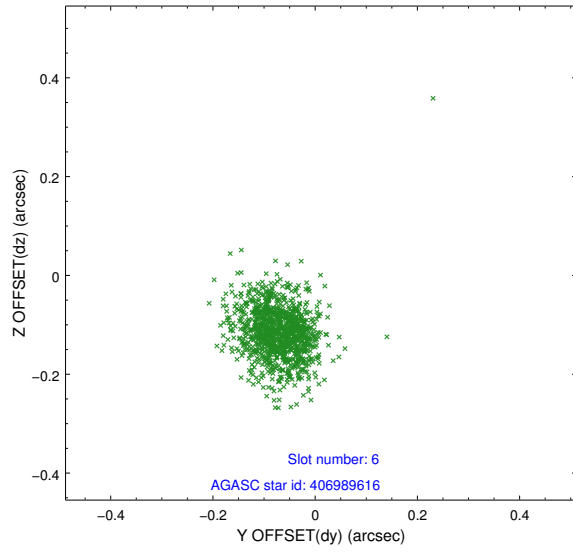
## 2.4.2 Slot 4



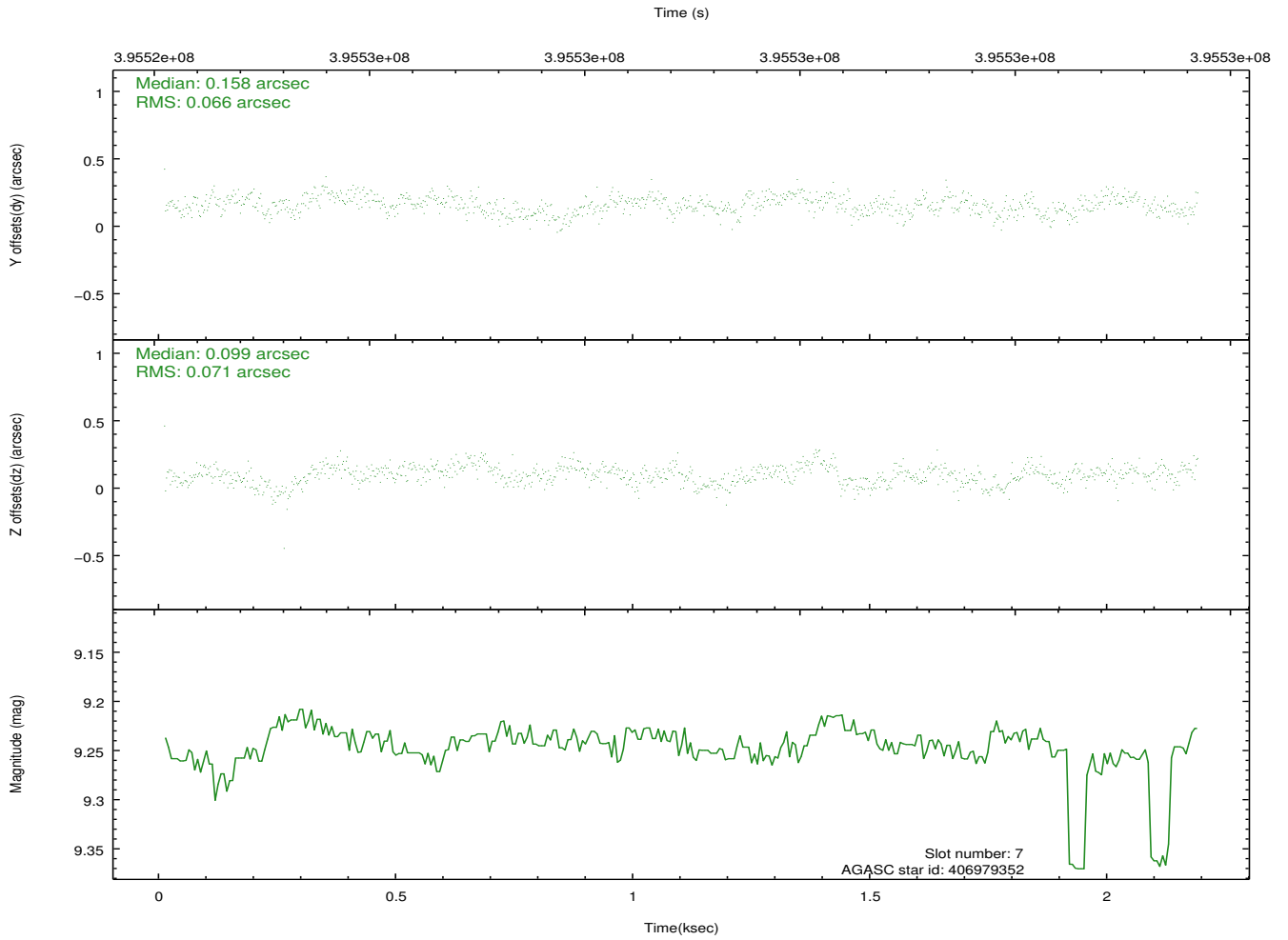
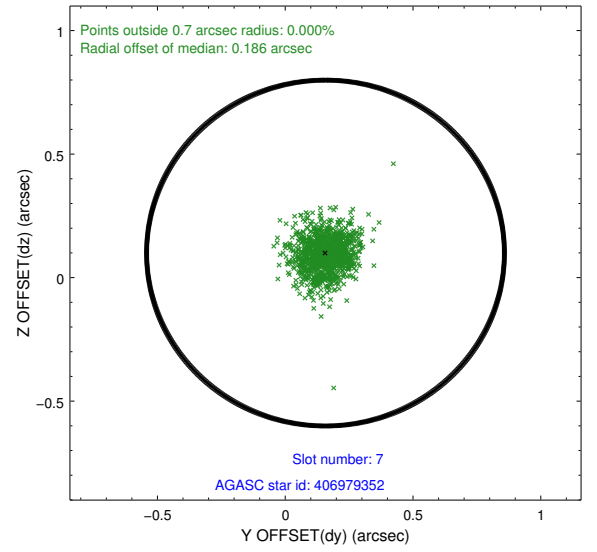
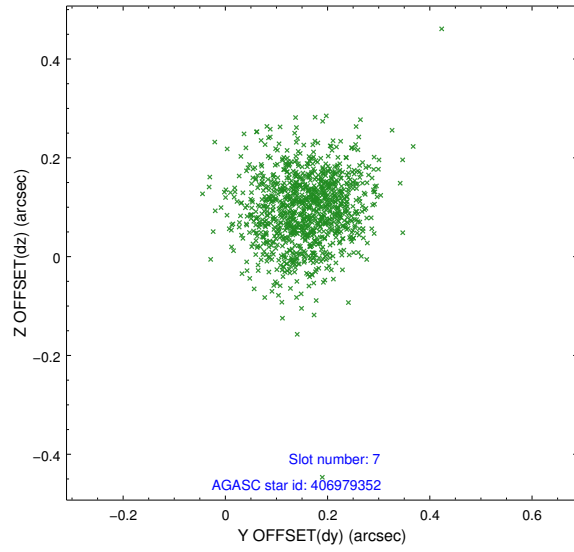
### 2.4.3 Slot 5



## 2.4.4 Slot 6

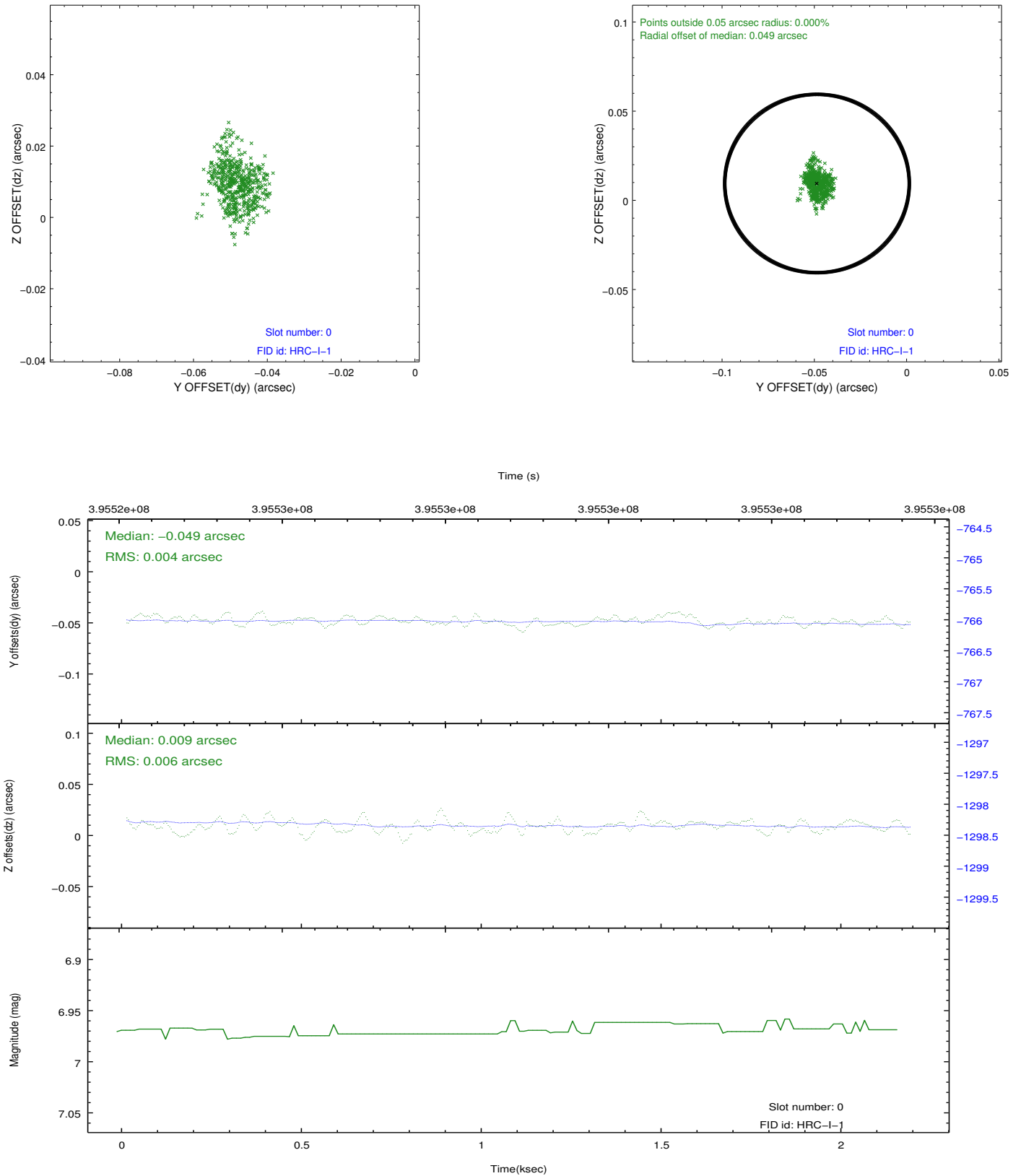


## 2.4.5 Slot 7

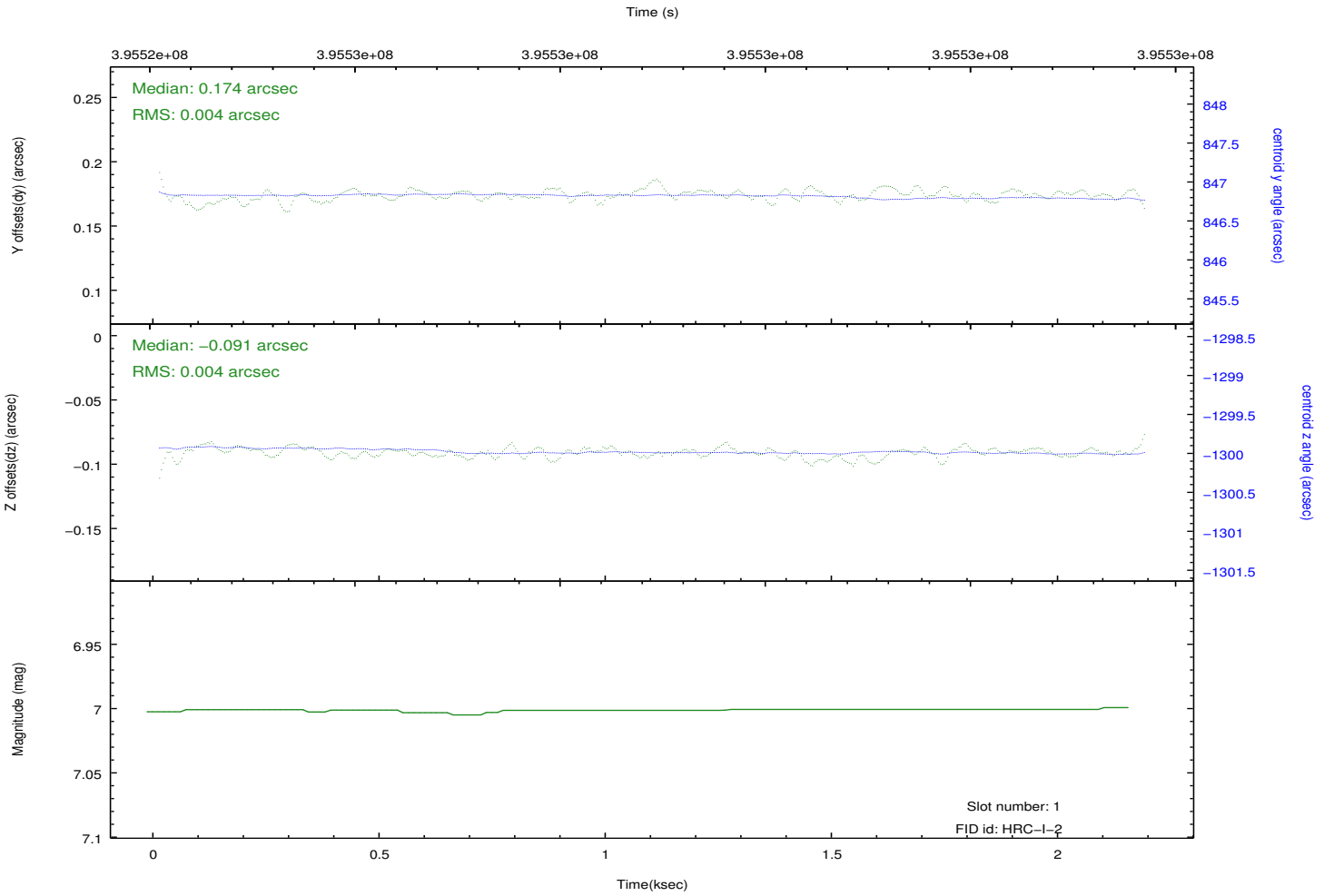
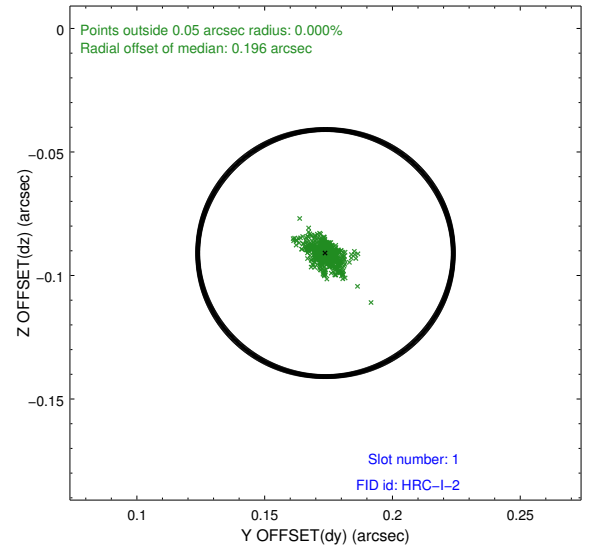
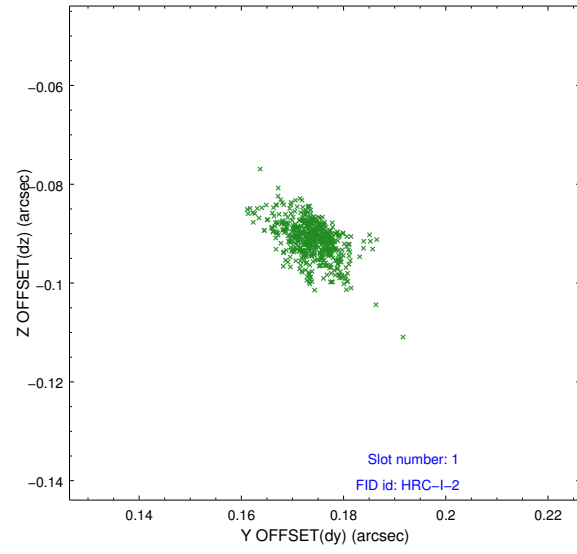


## 2.5 FID Slots

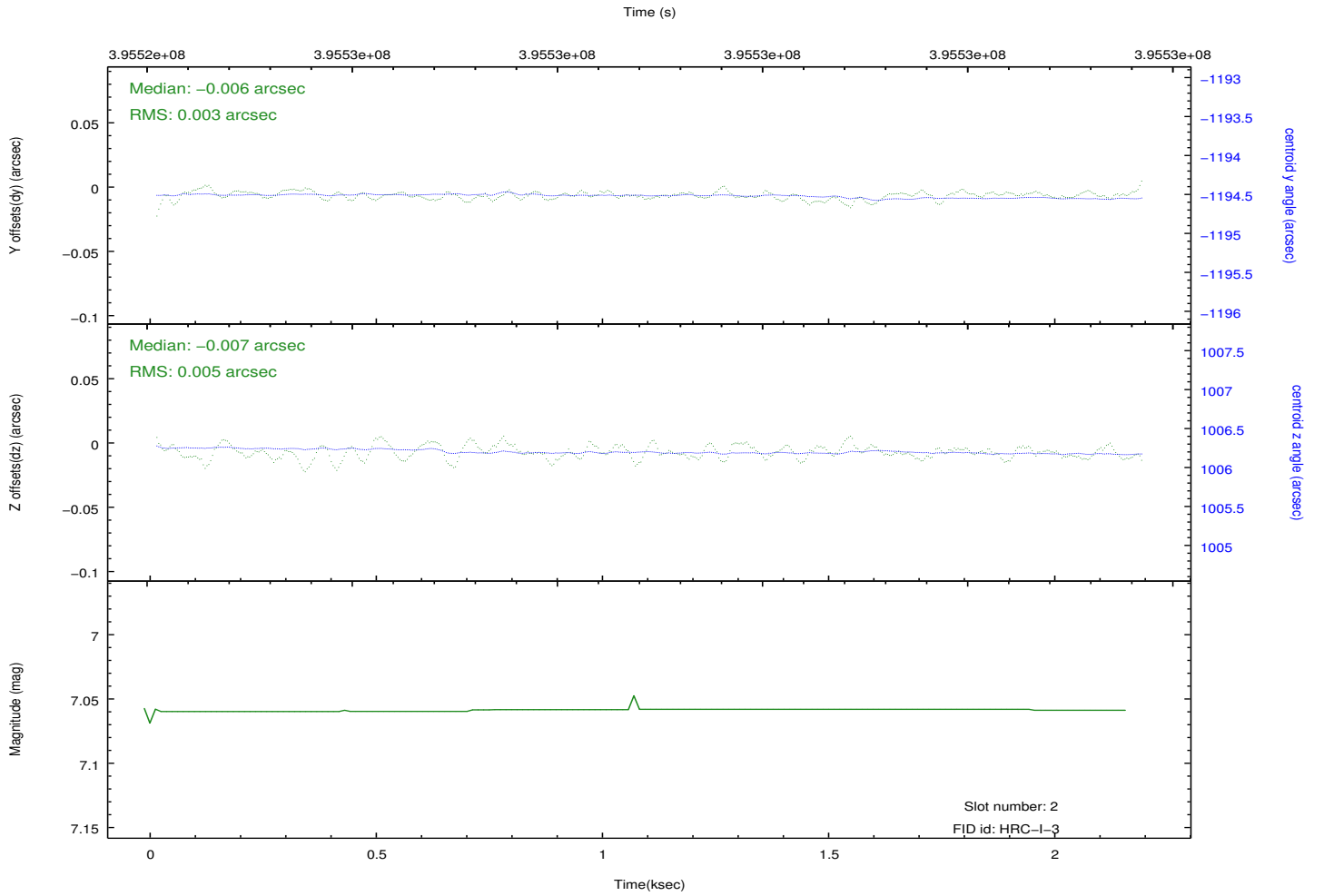
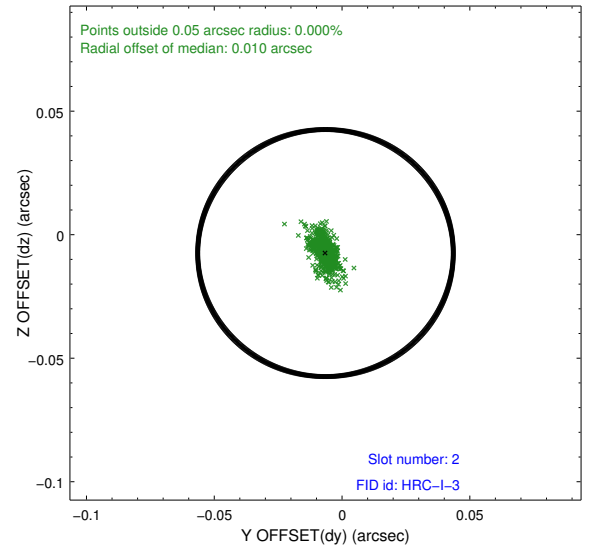
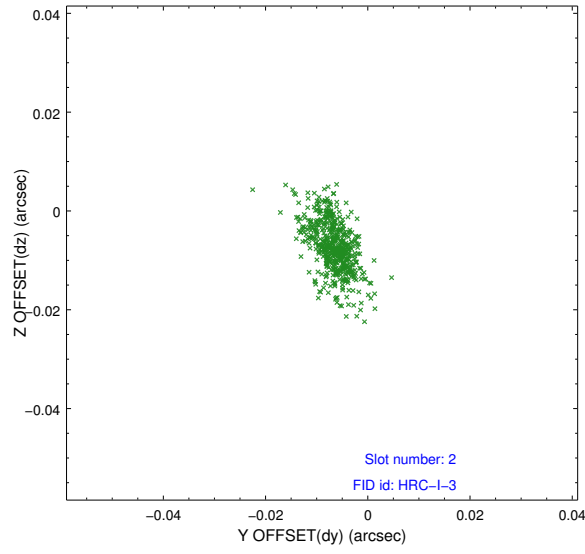
### 2.5.1 Slot 0



## 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)	2012.07.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1801751114726

### A.2 Comments

Window constraint met.