

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 6455 - L2 Version 4  
Chandra X-Ray Center

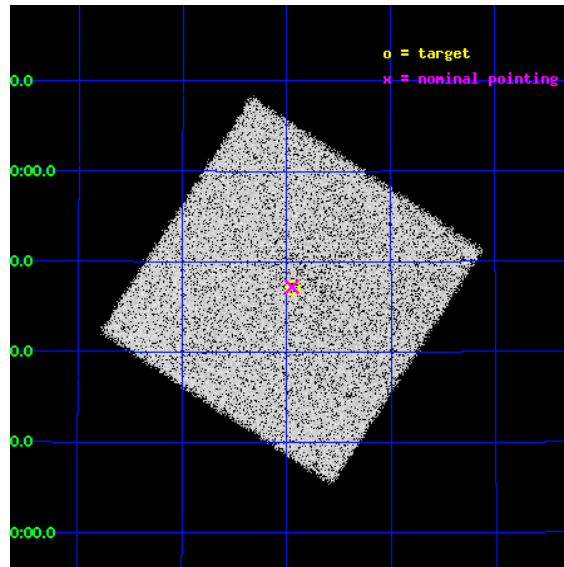
L2 Processing Date : Aug 10 2012

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# 1 Front

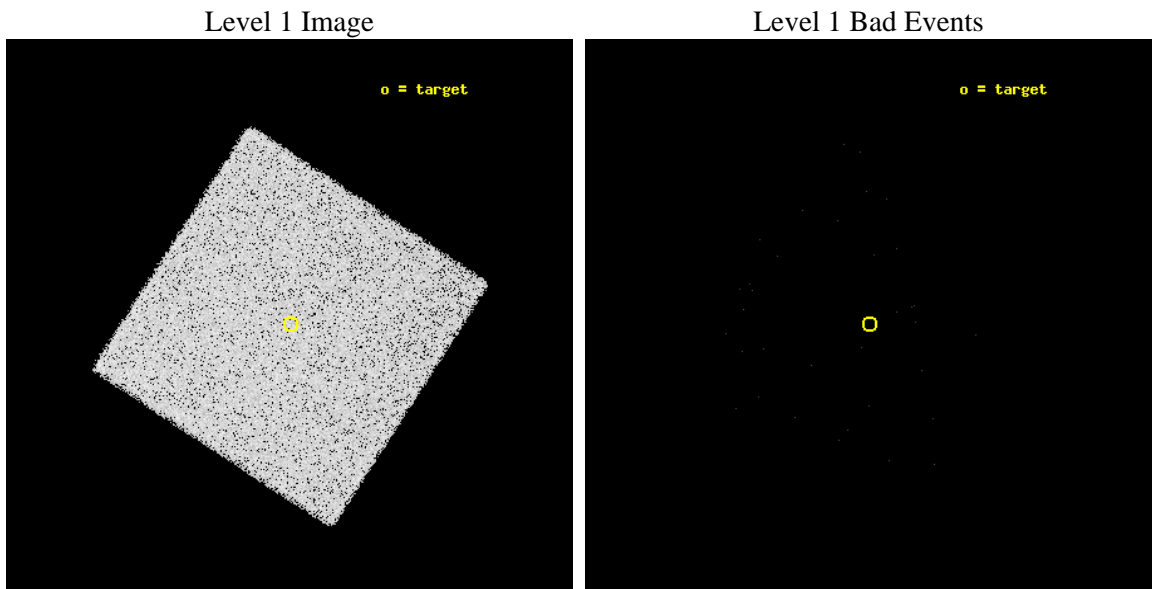
seq_num	290548	Sequence number
obs_id	6455	Observation id
title	AO7 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.23741836952	Nominal RA [deg]
dec_nom	38.787089779004	Nominal Dec [deg]
roll_nom	78.095060625848	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2055.3813455999	[s]
liveltime	2038.2319533178	Ontime multiplied by DTCOR
l2events	92507	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	1900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2055.3813455999	[s]
caldbver	4.5.1.1	&#160	l1events	198545	Number of level 1 events
date	2012-08-11T02:04:54	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

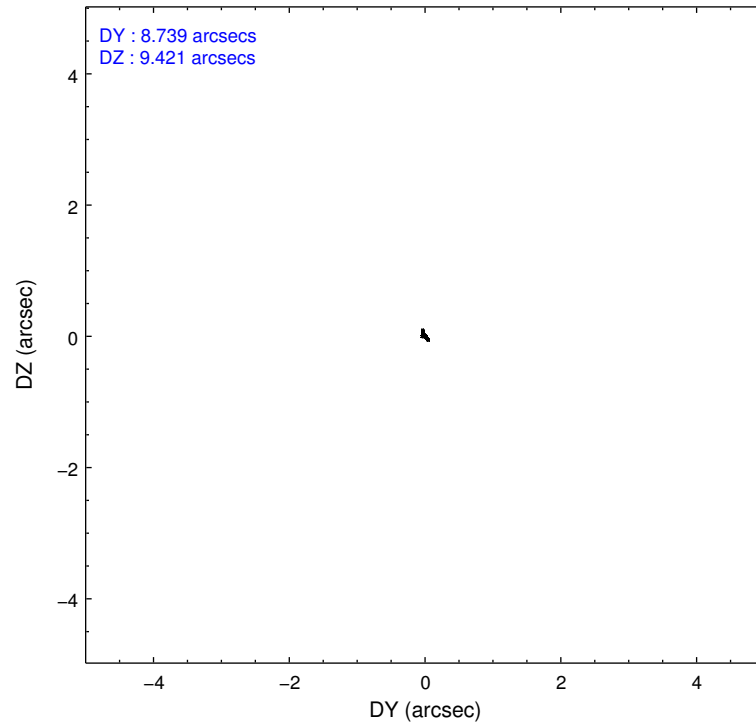
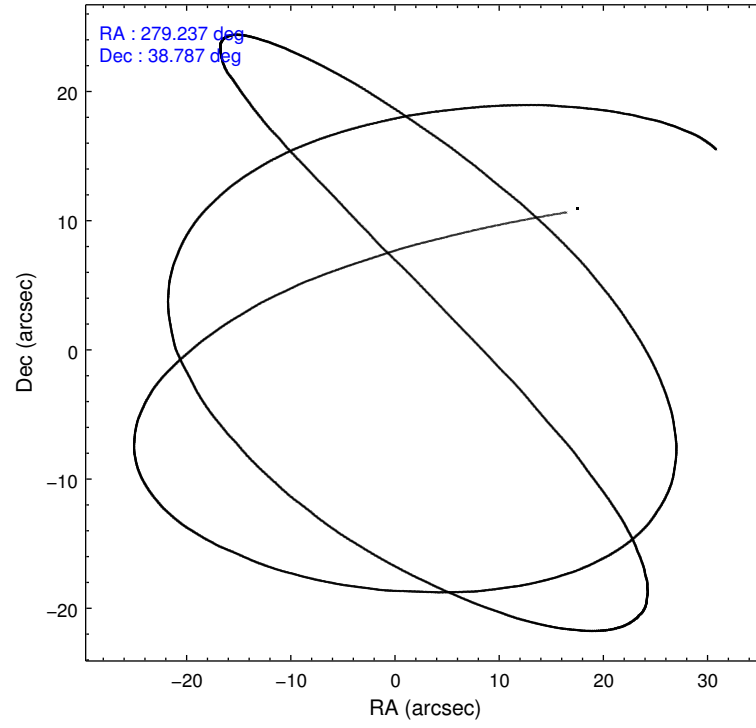
	<b>segment 0</b>
level 1 events	198545
rejected events	60014
rejected %	30%

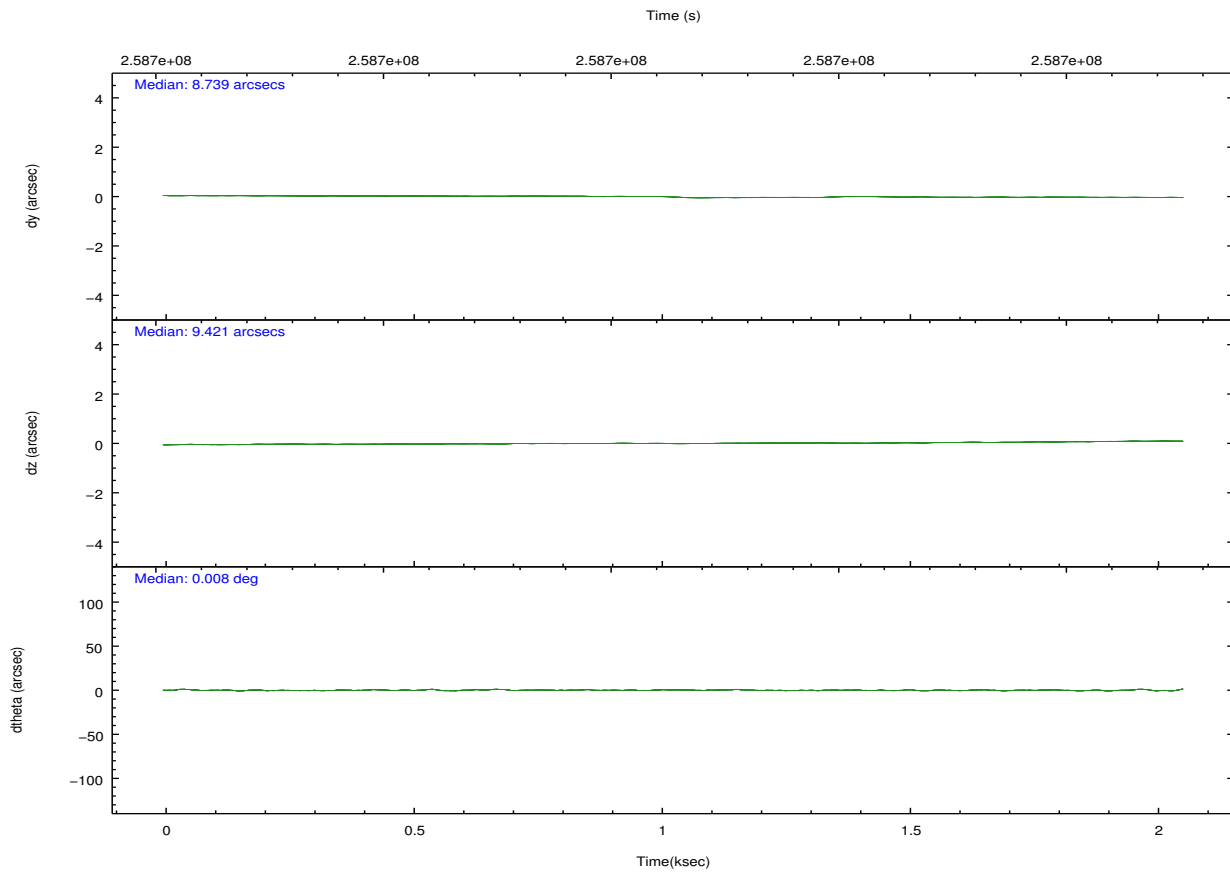
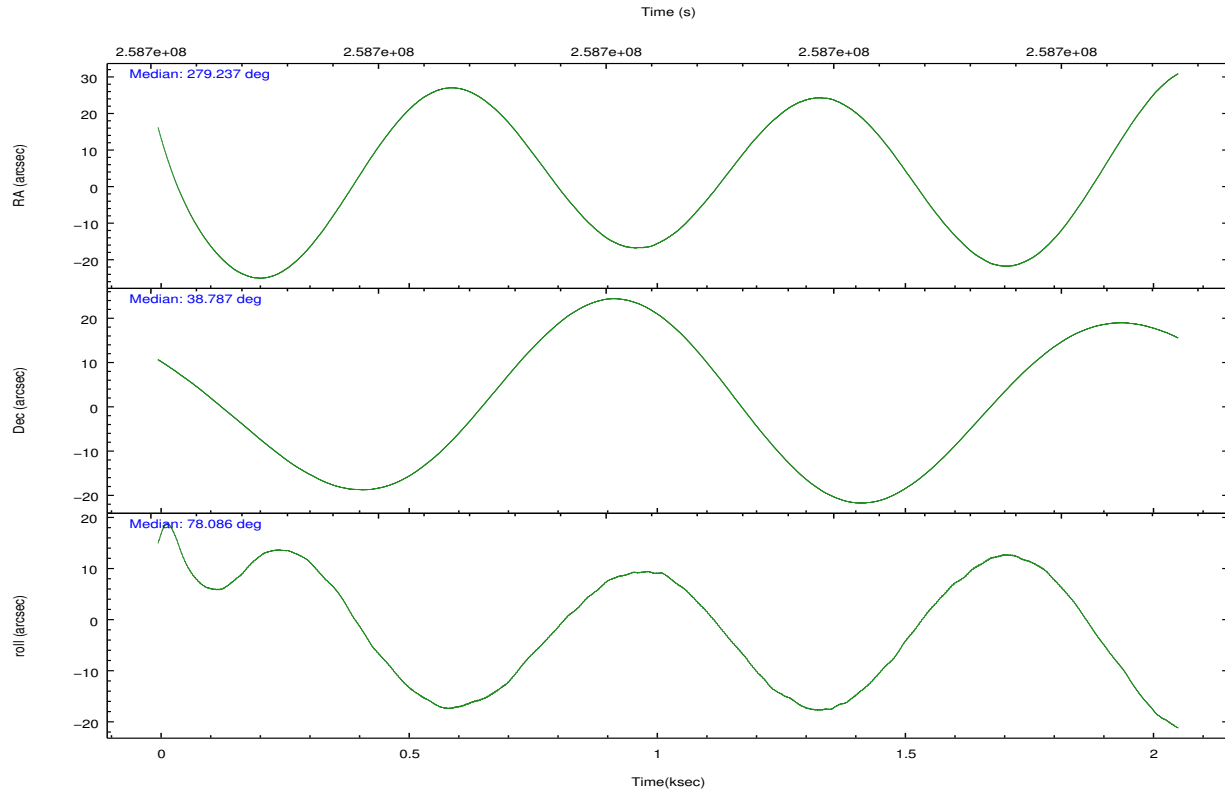
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	279.249593	279.2374183695182
[deg] Pointing Dec	38.761648	38.78708977900431
[deg] Pointing Roll	78.182731	78.09506062584789
[s] Window start time (MET)	255139265.184000	255139265.184000
[s] Window stop time (MET)	260150465.184000	260150465.184000
[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)	258700261.184000	258699240.093
Observation start date	2006-03-14T05:09:56	2006-03-14T04:54:00
[s] Observation end time (MET)	258702161.184000	258702296.64314
Observation end date	2006-03-14T05:41:36	2006-03-14T05:44:56

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

## 2.3 Aspect





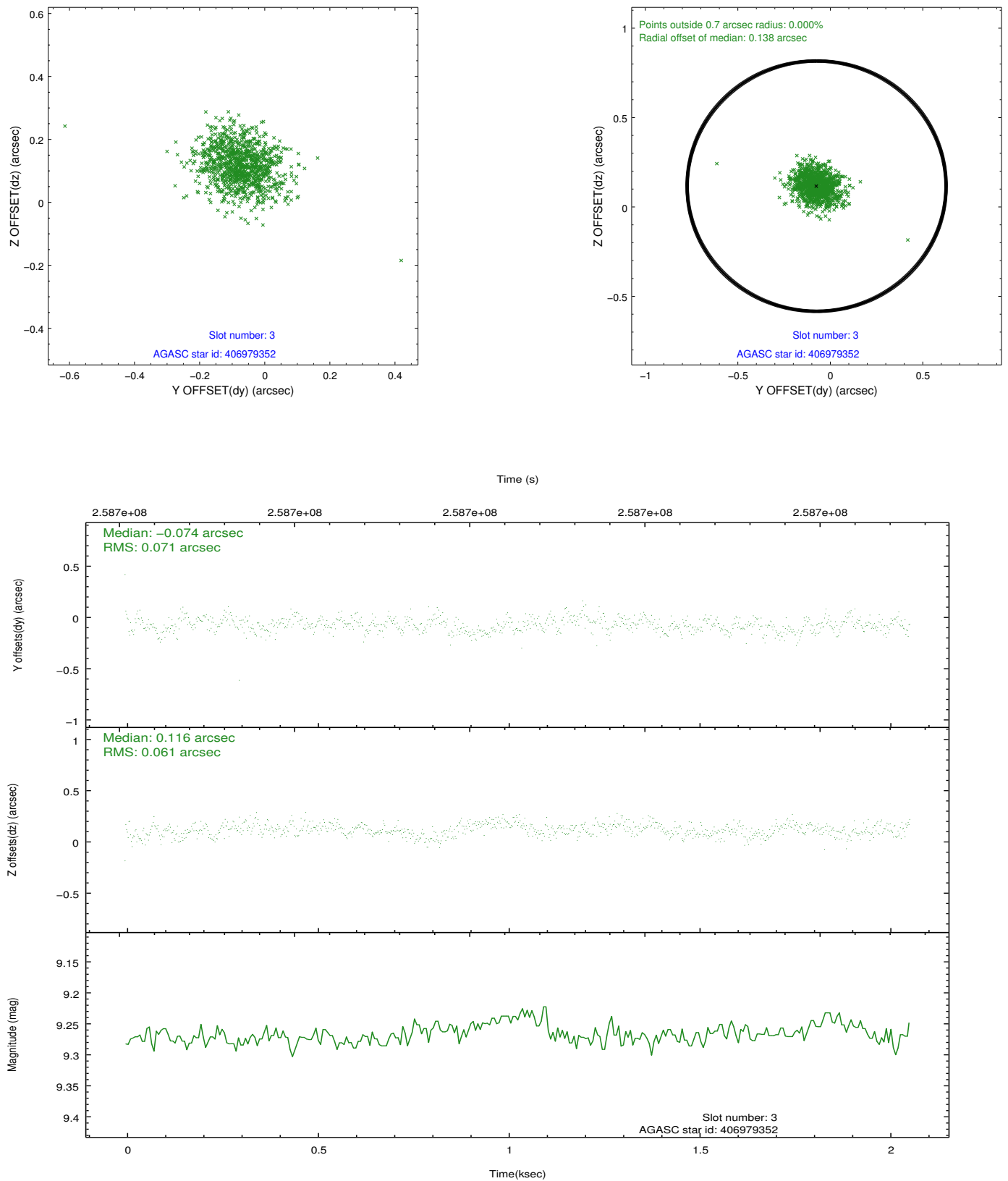
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.00	502	-0.036	0.040	0.007	0.011	0.000000	0.000000	-764.38	-1297.37
1	FID	HRC-I-2	7.04	502	0.166	-0.104	0.006	0.009	0.000000	0.000000	846.93	-1301.64
2	FID	HRC-I-3	7.09	502	-0.012	-0.025	0.006	0.010	0.000000	0.000000	-1191.19	1004.53
3	GUIDE	406979352	9.27	1004	-0.074	0.116	0.097	0.157	279.968297	39.230258	2069.66	-1615.95
4	GUIDE	406983600	8.93	1003	-0.018	0.134	0.084	0.133	279.940957	39.020708	1318.89	-1703.52
5	GUIDE	406987272	6.94	1004	0.151	-0.227	0.060	0.092	278.536588	38.437504	-1543.90	1727.31
6	GUIDE	406990192	9.00	1004	0.038	-0.112	0.086	0.135	278.510952	38.533654	-1222.03	1869.67
7	GUIDE	406992968	7.65	1002	-0.093	0.088	0.073	0.125	279.925490	37.993090	-2308.37	-2441.85

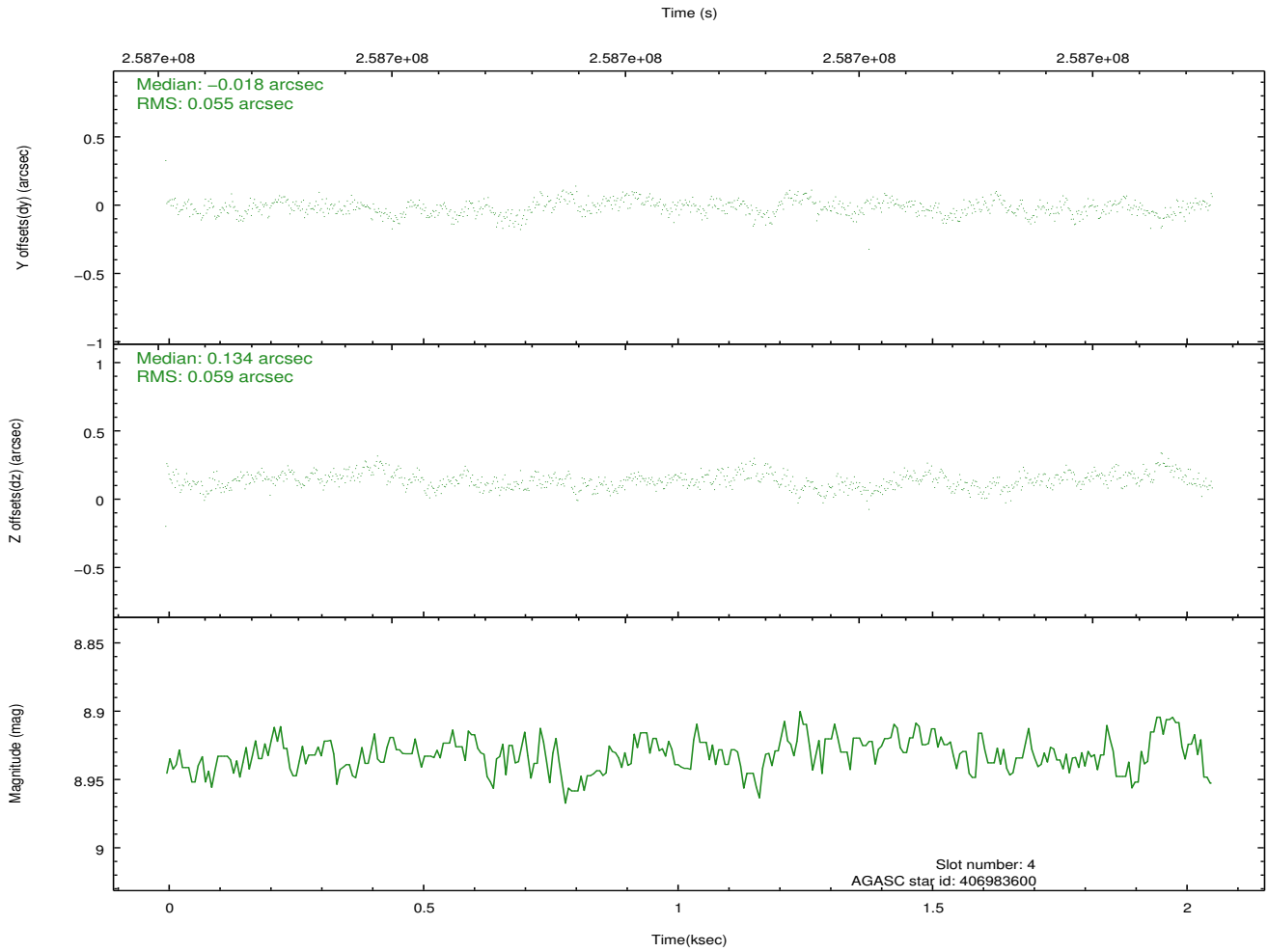
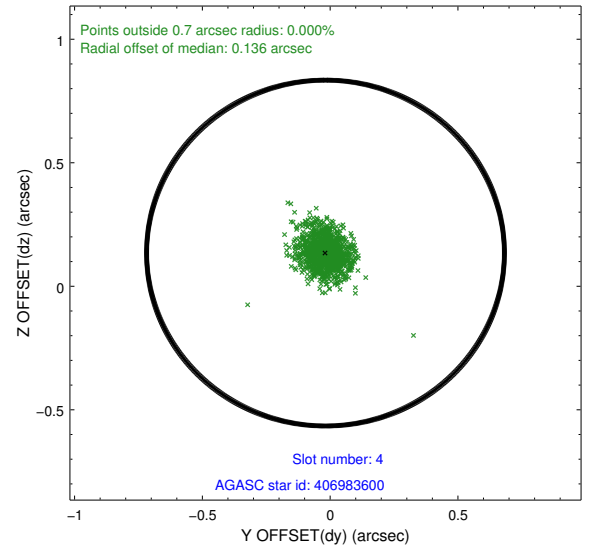
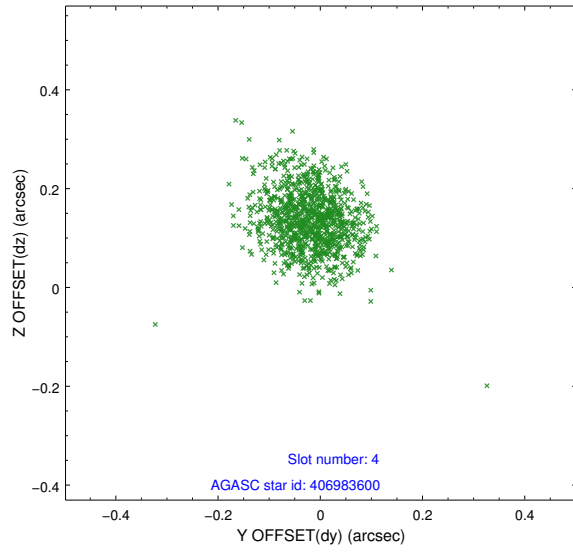


## 2.4 Star Slots

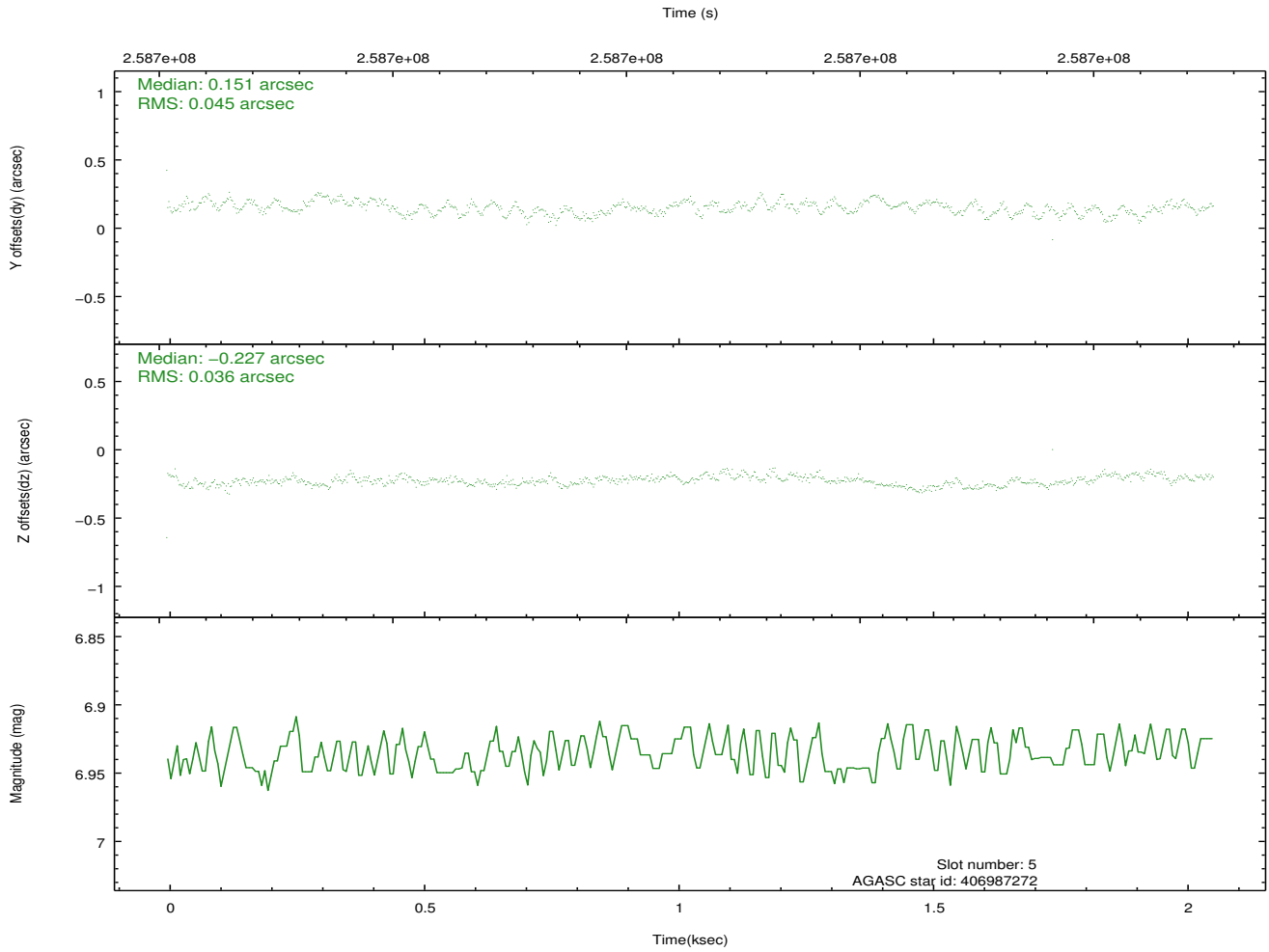
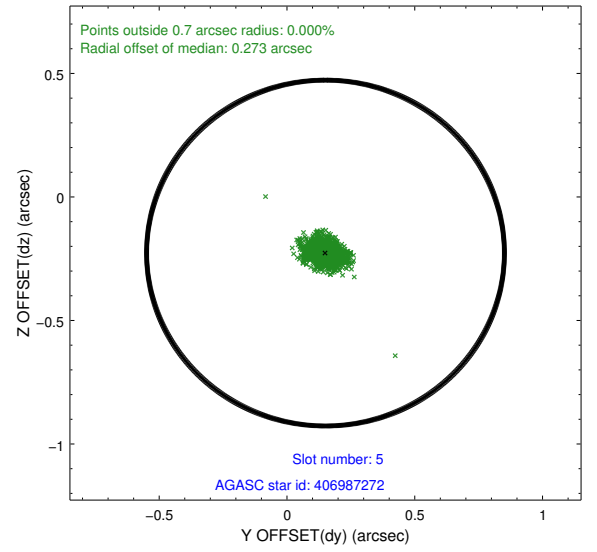
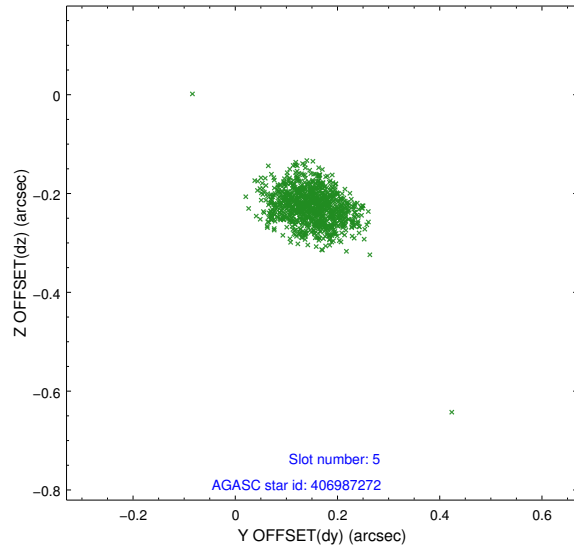
### 2.4.1 Slot 3



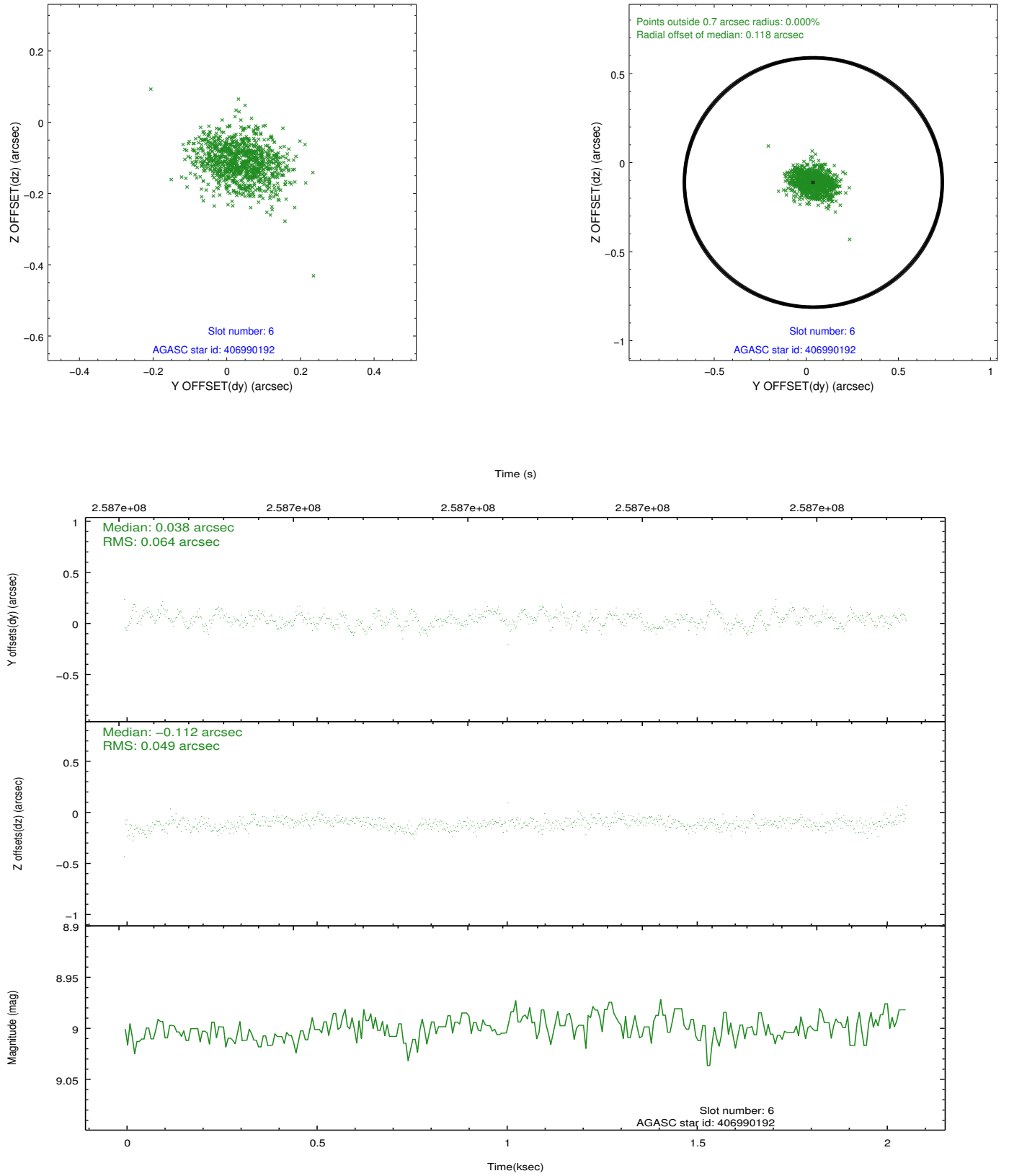
## 2.4.2 Slot 4



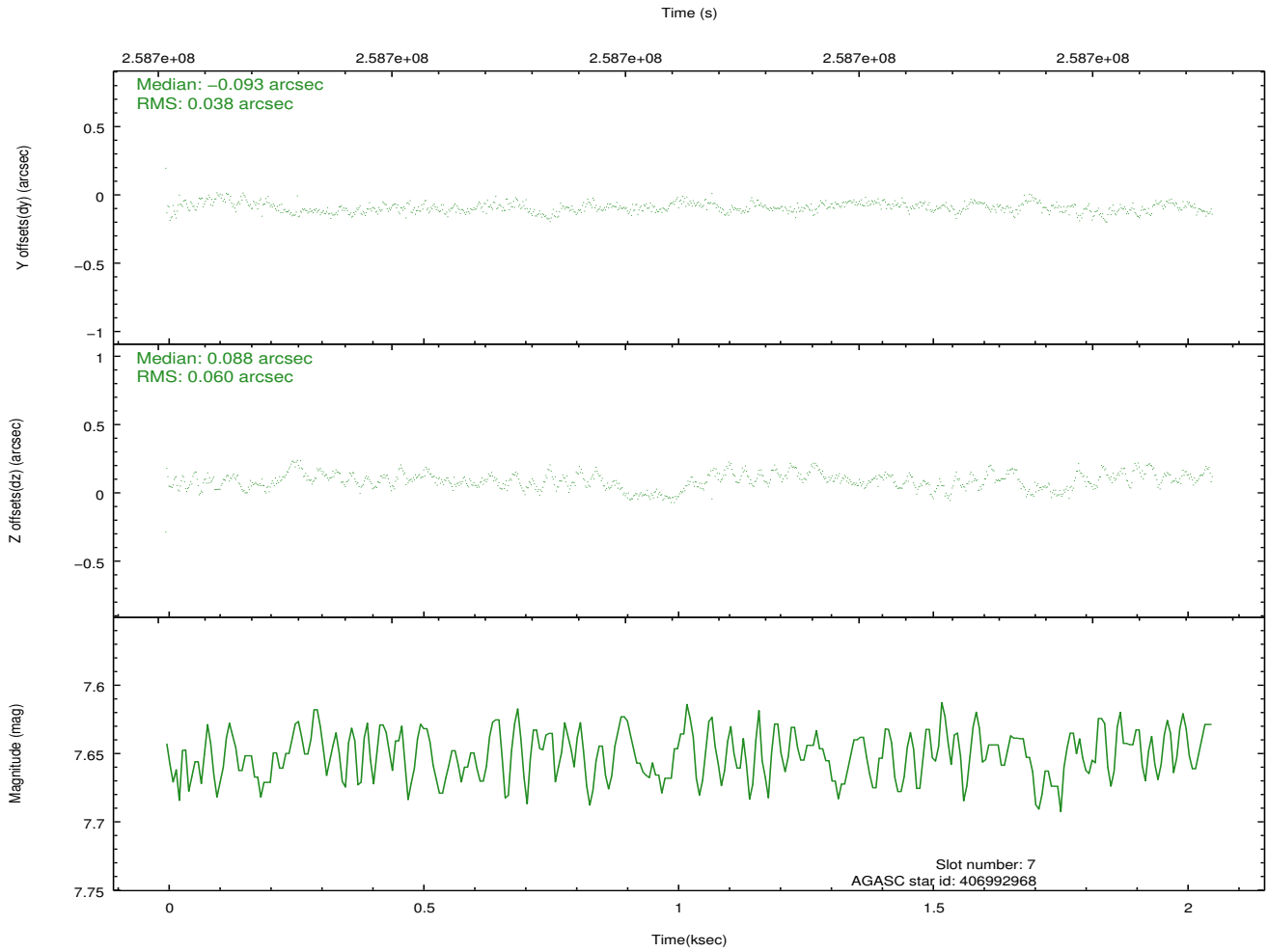
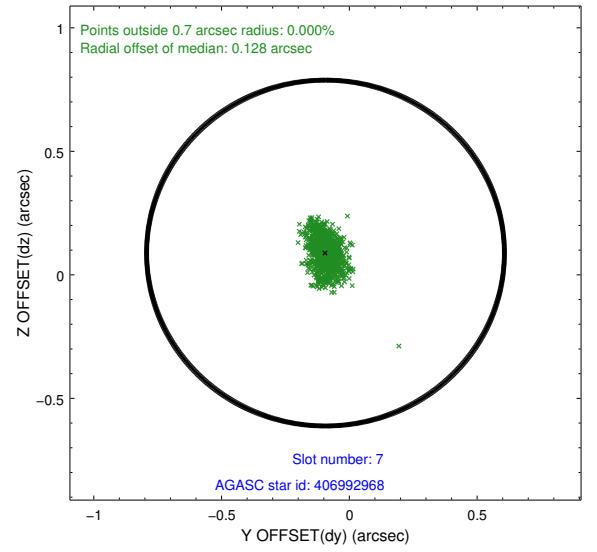
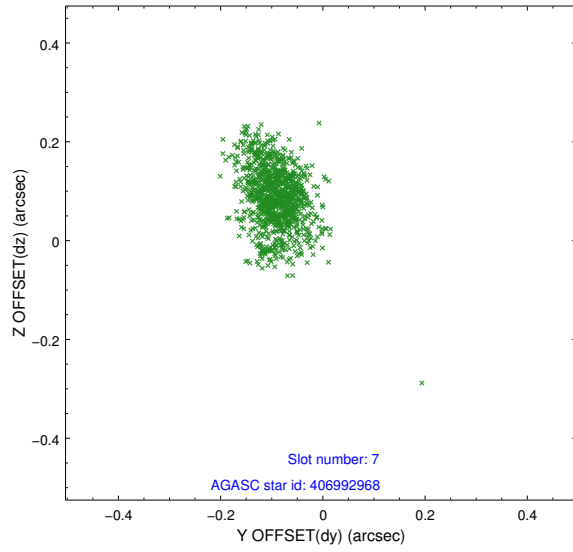
### 2.4.3 Slot 5



## 2.4.4 Slot 6

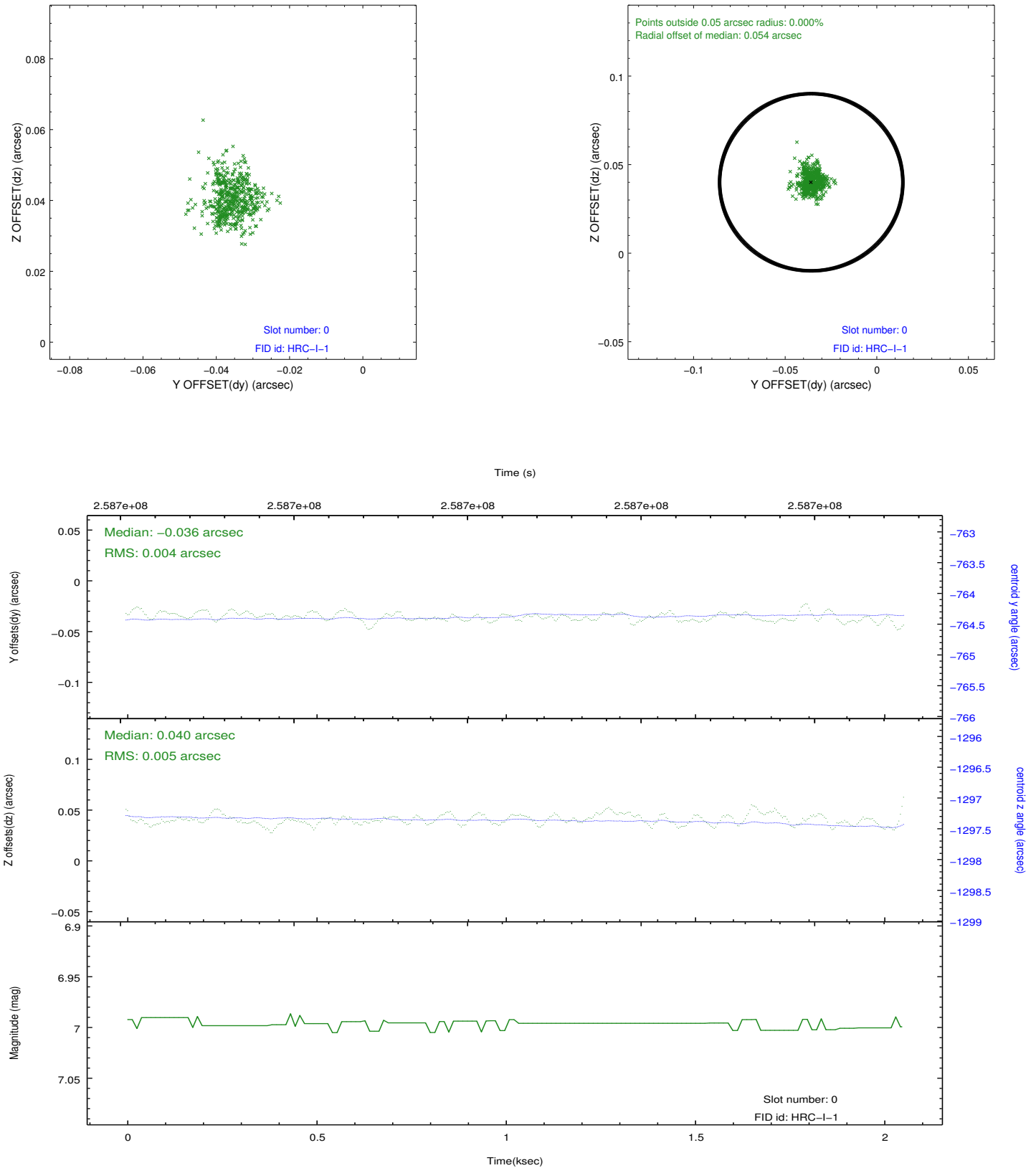


## 2.4.5 Slot 7

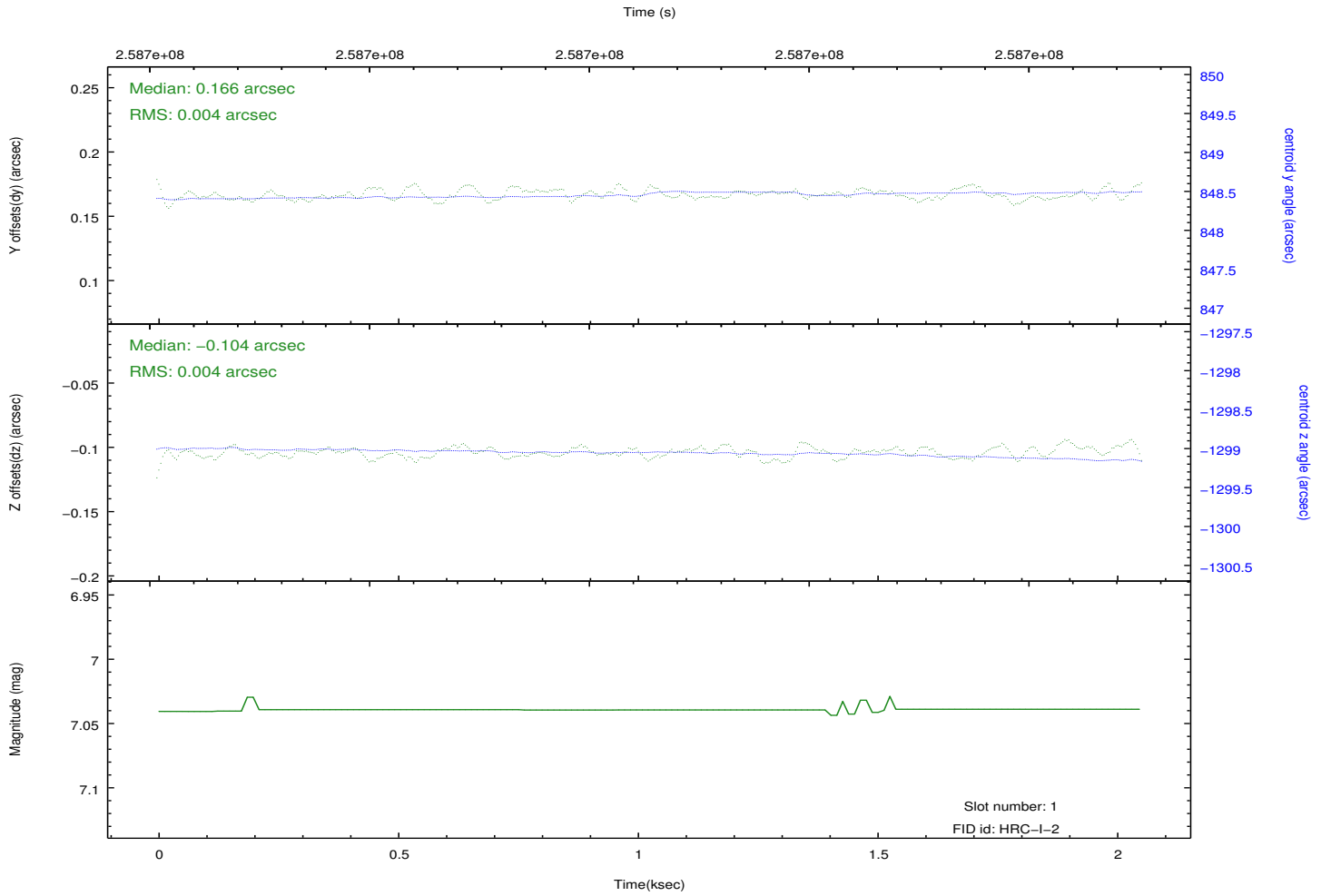
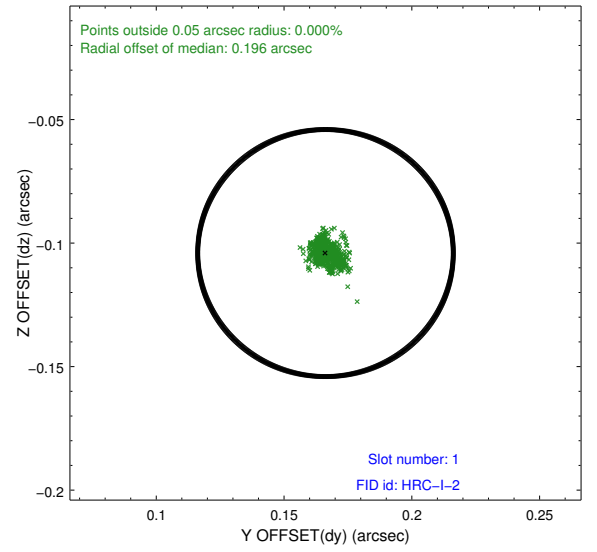
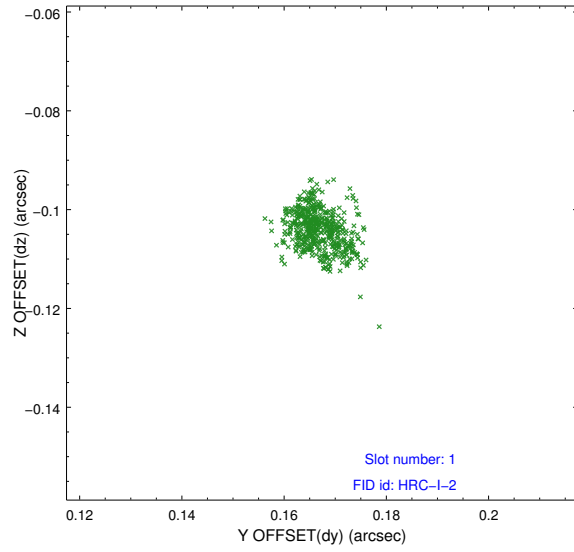


## 2.5 FID Slots

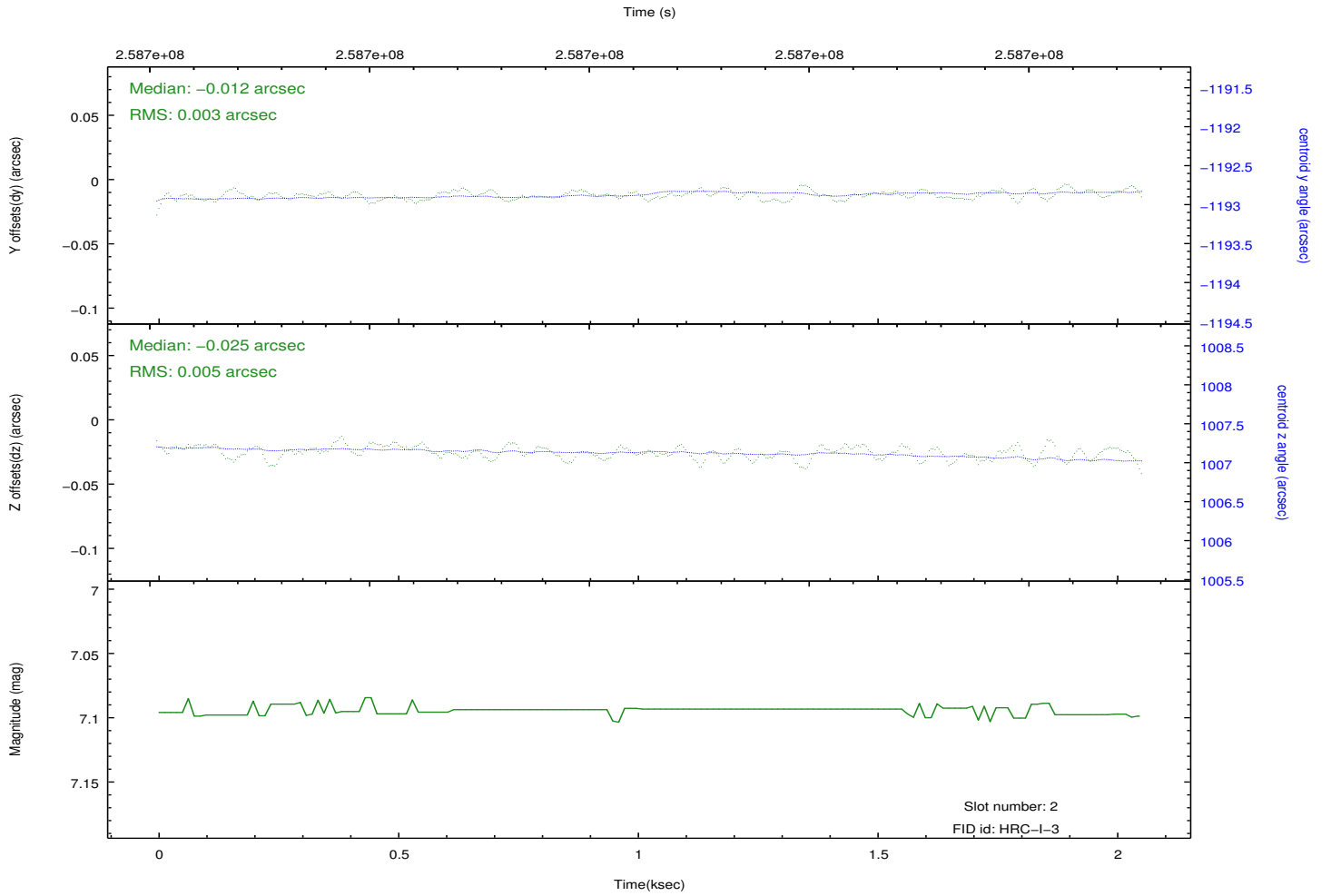
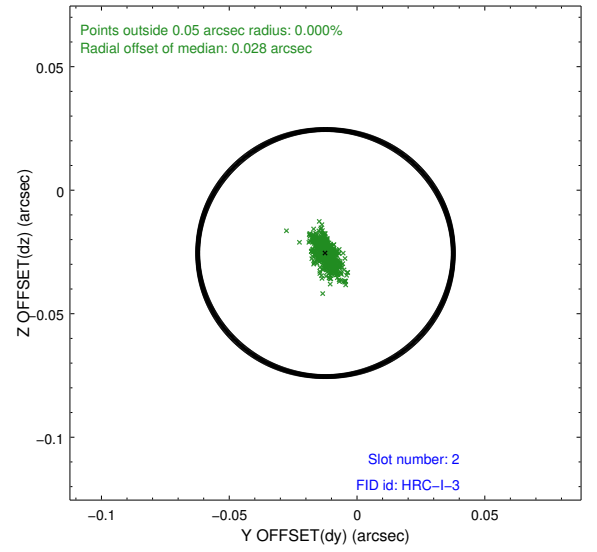
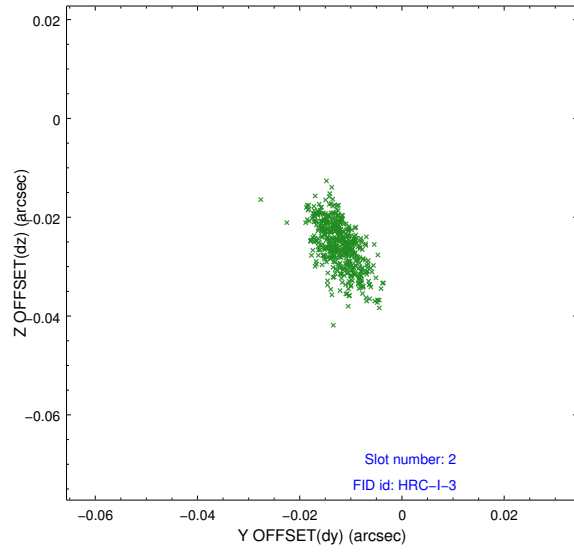
### 2.5.1 Slot 0



## 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)	2012.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.05538134

### A.2 Comments

Window constraint met.