

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 991 - L2 Version 3  
Chandra X-Ray Center

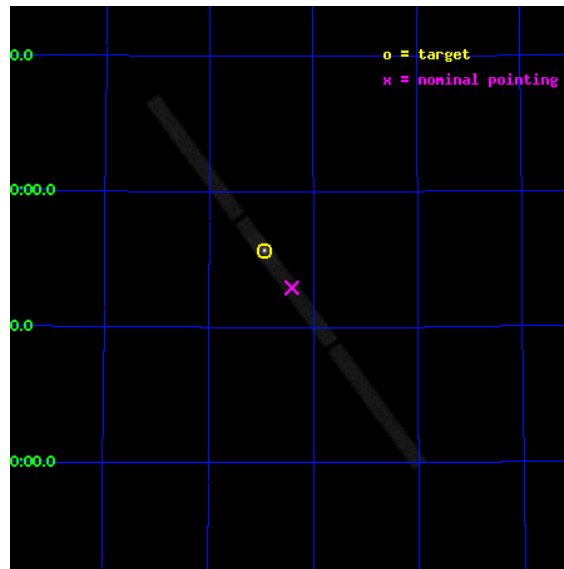
L2 Processing Date : Sep 22 2012

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# 1 Front

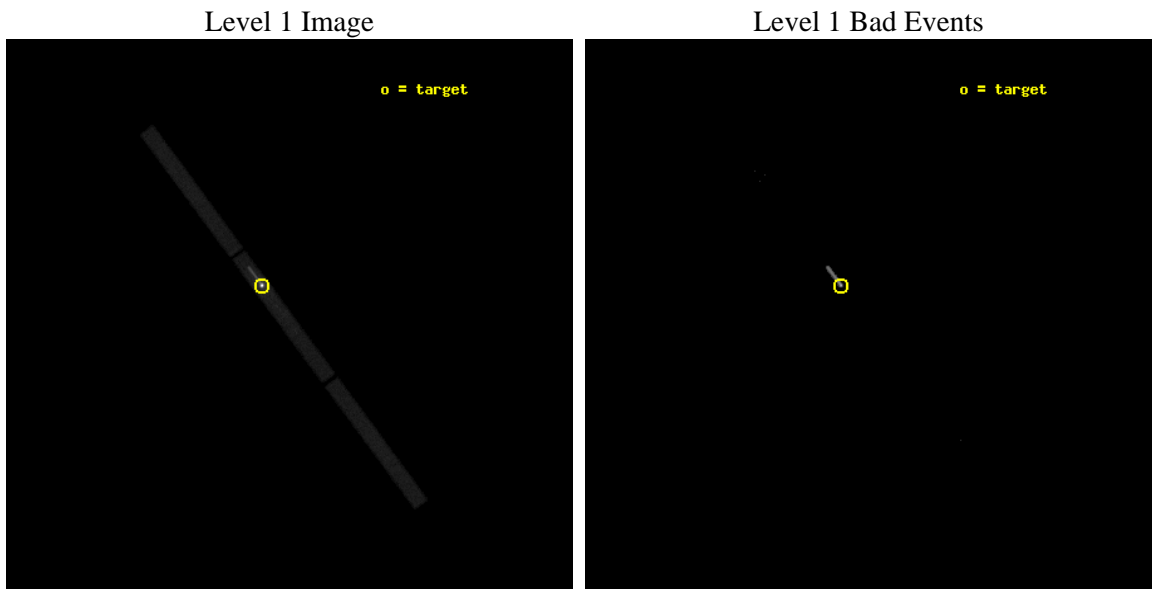
seq_num	290072	Sequence number
obs_id	991	Observation id
title	CALIBRATION OBSERVATIONS OF VEGA TO MONITOR THE TRANSMISSION OF THE OPTICAL/UV FILTERS ON ACIS AND HRC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	VEGA, HRC-S, AO2	Source name
ra_targ	279.234792	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.1026742756	Nominal RA [deg]
dec_nom	38.646191030705	Nominal Dec [deg]
roll_nom	233.37859140279	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2694.981356293	[s]
livetime	2005.2473507236	Ontime multiplied by DTCOR
l2events	452379	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	2500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2694.981356293	[s]
caldbver	4.5.1.1	&#160	l1events	554425	Number of level 1 events
date	2012-09-22T07:33:52	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

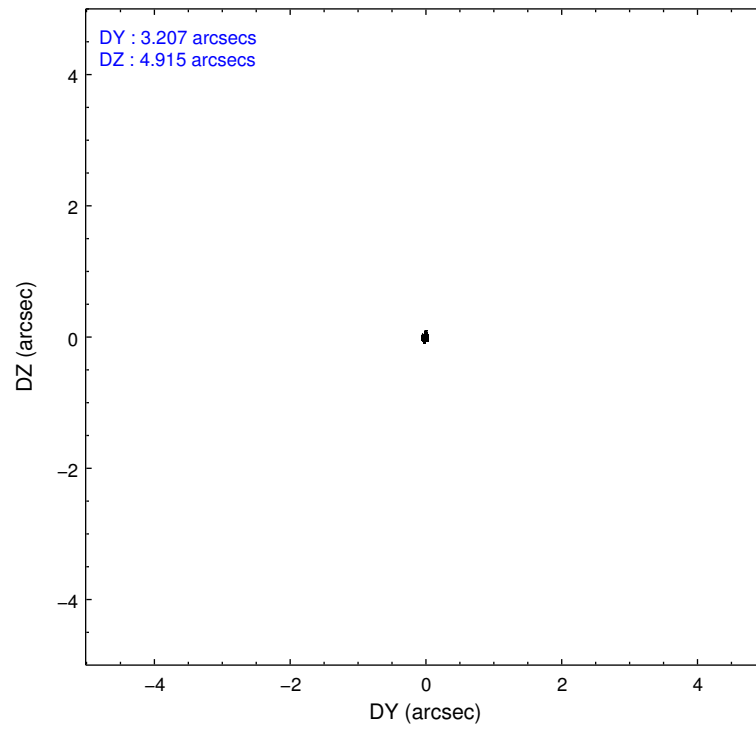
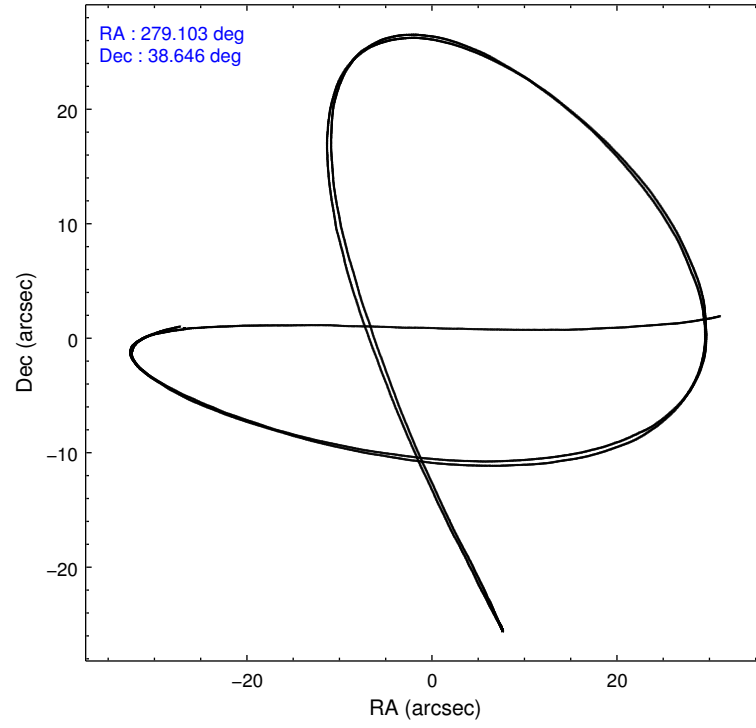
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	55023	445036	54366
rejected events	5692	46149	5659
rejected %	10%	10%	10%

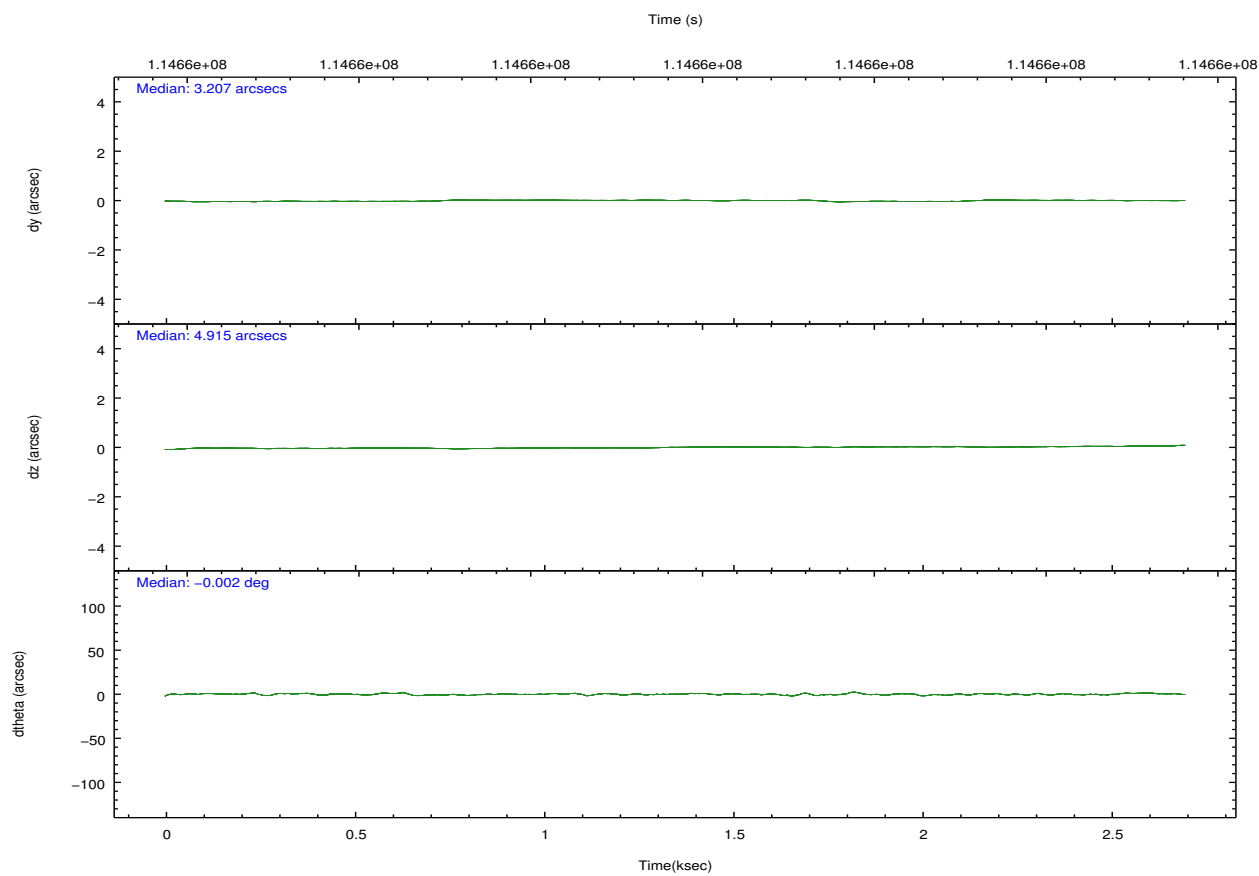
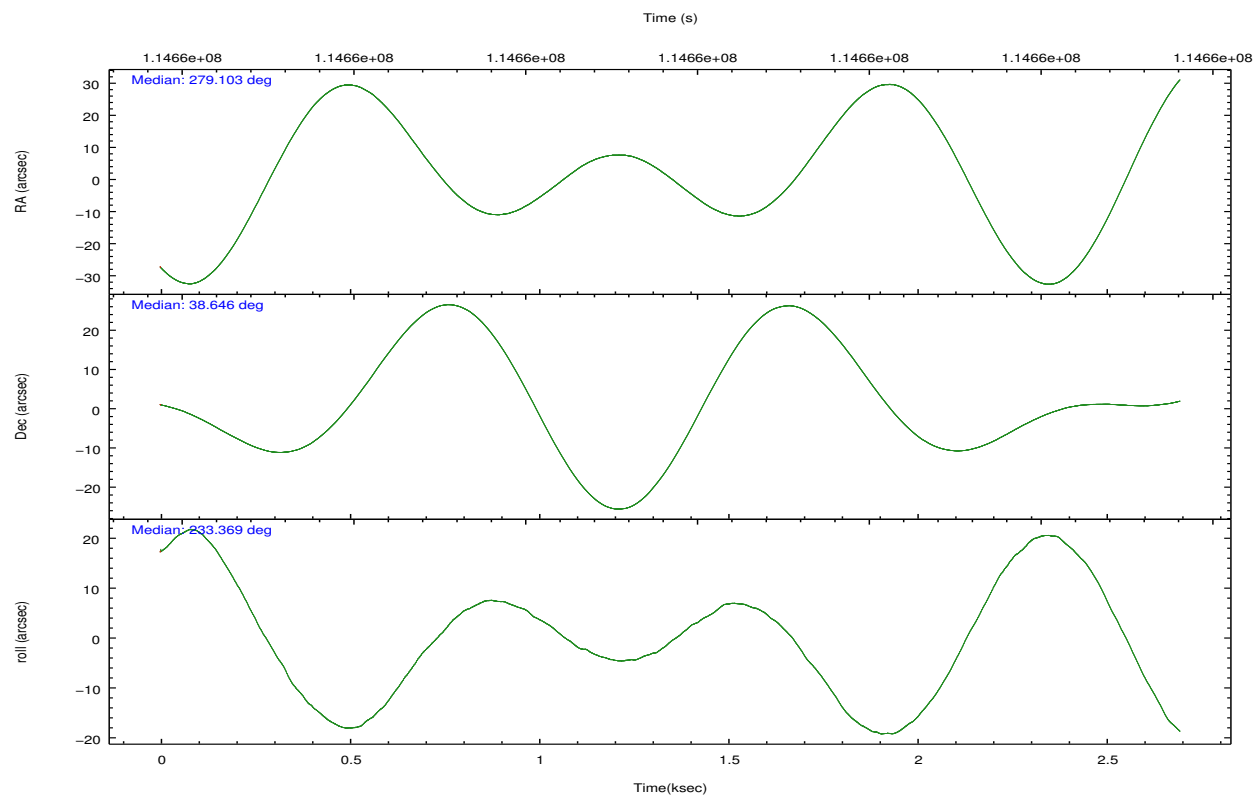
## 2.2 Compared Parameters

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	279.105746	279.1026742755972
[deg] Pointing Dec	38.675066	38.64619103070525
[deg] Pointing Roll	233.309325	233.3785914027853
[s] Window start time (MET)	113011264.184000	113011264.184000
[s] Window stop time (MET)	115516864.184000	115516864.184000
[mm] SIM focus pos	-1.529586	-1.523540733526241
[mm] SIM defocus	0.003750771043328743	0.009795905878055677
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	114660265.184000	114659889.62649
Observation start date	2001-08-20T02:03:21	2001-08-20T01:58:09
[s] Observation end time (MET)	114662765.184000	114662899.02661
Observation end date	2001-08-20T02:45:01	2001-08-20T02:48:19

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

## 2.3 Aspect





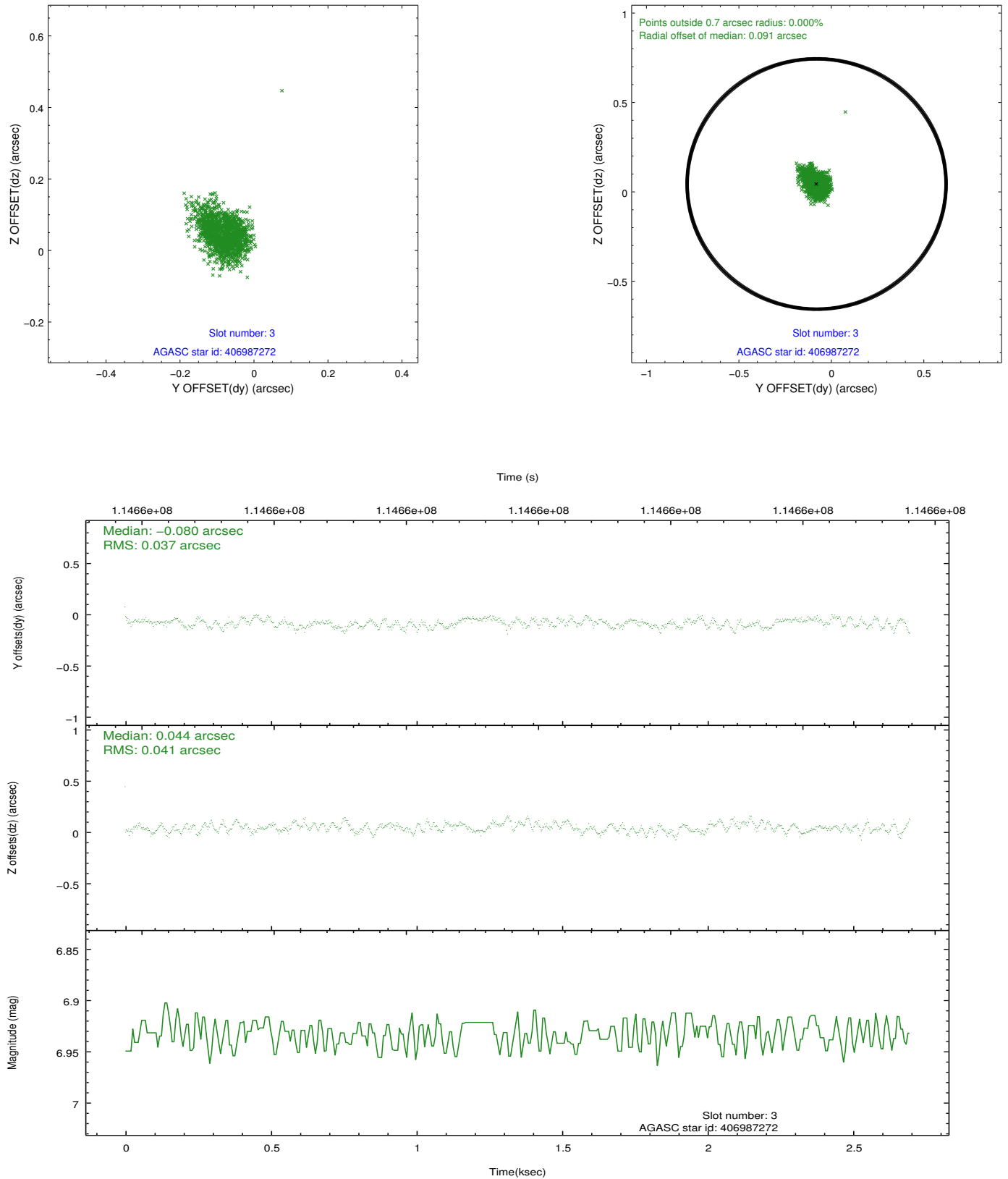
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	658	0.156	-0.154	0.008	0.012	0.000000	0.000000	-1157.23	-453.41
1	FID	HRC-S-2	6.98	658	0.092	-0.096	0.005	0.012	0.000000	0.000000	1240.61	-446.72
2	FID	HRC-S-3	7.00	657	0.141	-0.052	0.007	0.012	0.000000	0.000000	-1158.06	575.54
3	GUIDE	406987272	6.93	1316	-0.080	0.044	0.056	0.095	278.536588	38.437504	1639.22	-777.74
4	GUIDE	406985120	7.42	1316	0.068	-0.056	0.062	0.097	278.839732	38.894839	-189.99	-1070.75
5	GUIDE	406993992	7.63	1316	-0.001	-0.009	0.046	0.075	279.053714	38.034587	1935.14	1259.91
6	GUIDE	406989616	8.22	1316	0.052	-0.001	0.056	0.091	279.202881	38.520843	281.53	553.00
7	GUIDE	406980288	9.31	1312	-0.028	0.014	0.088	0.145	278.903147	39.061646	-779.74	-1284.80

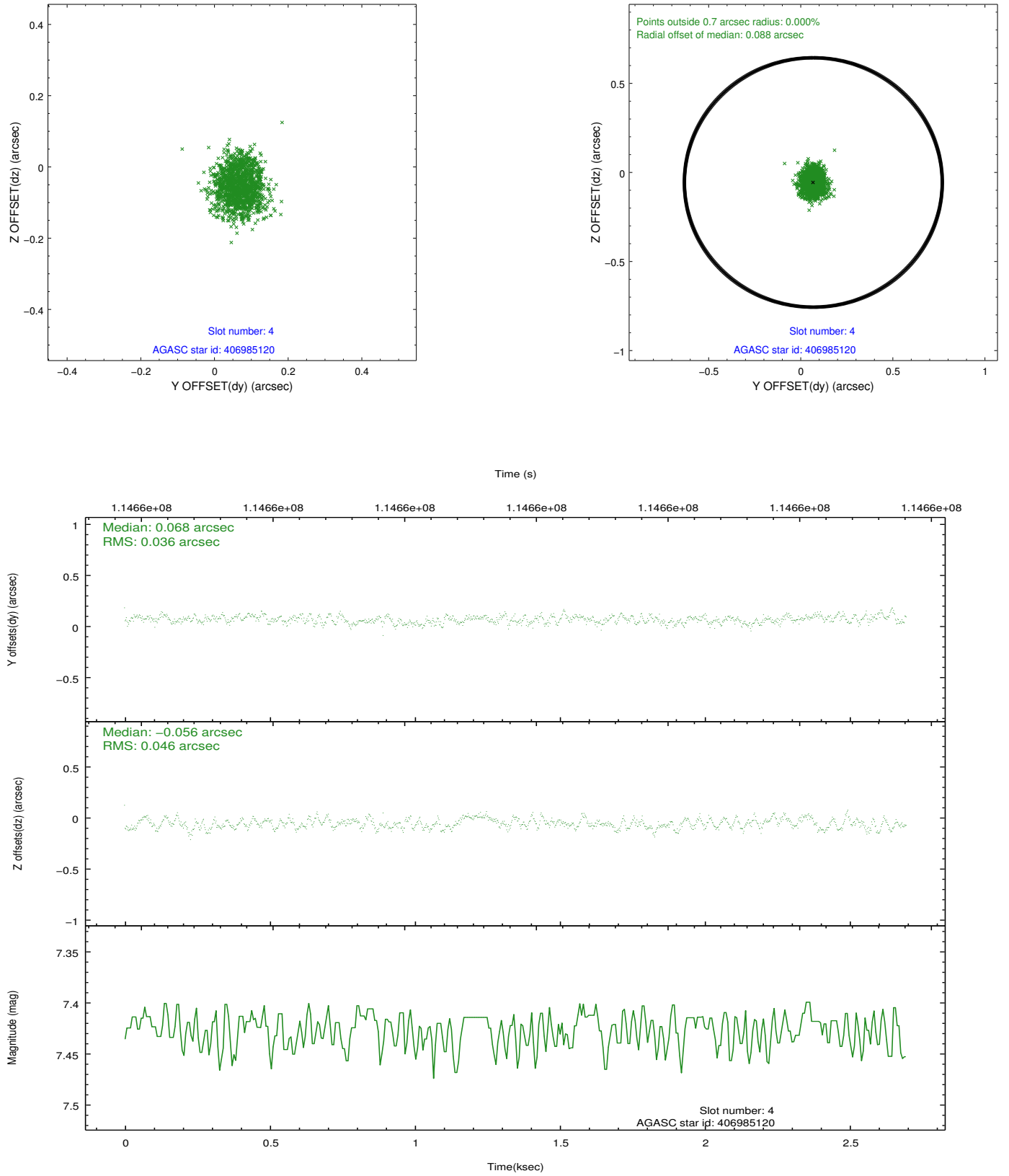


## 2.4 Star Slots

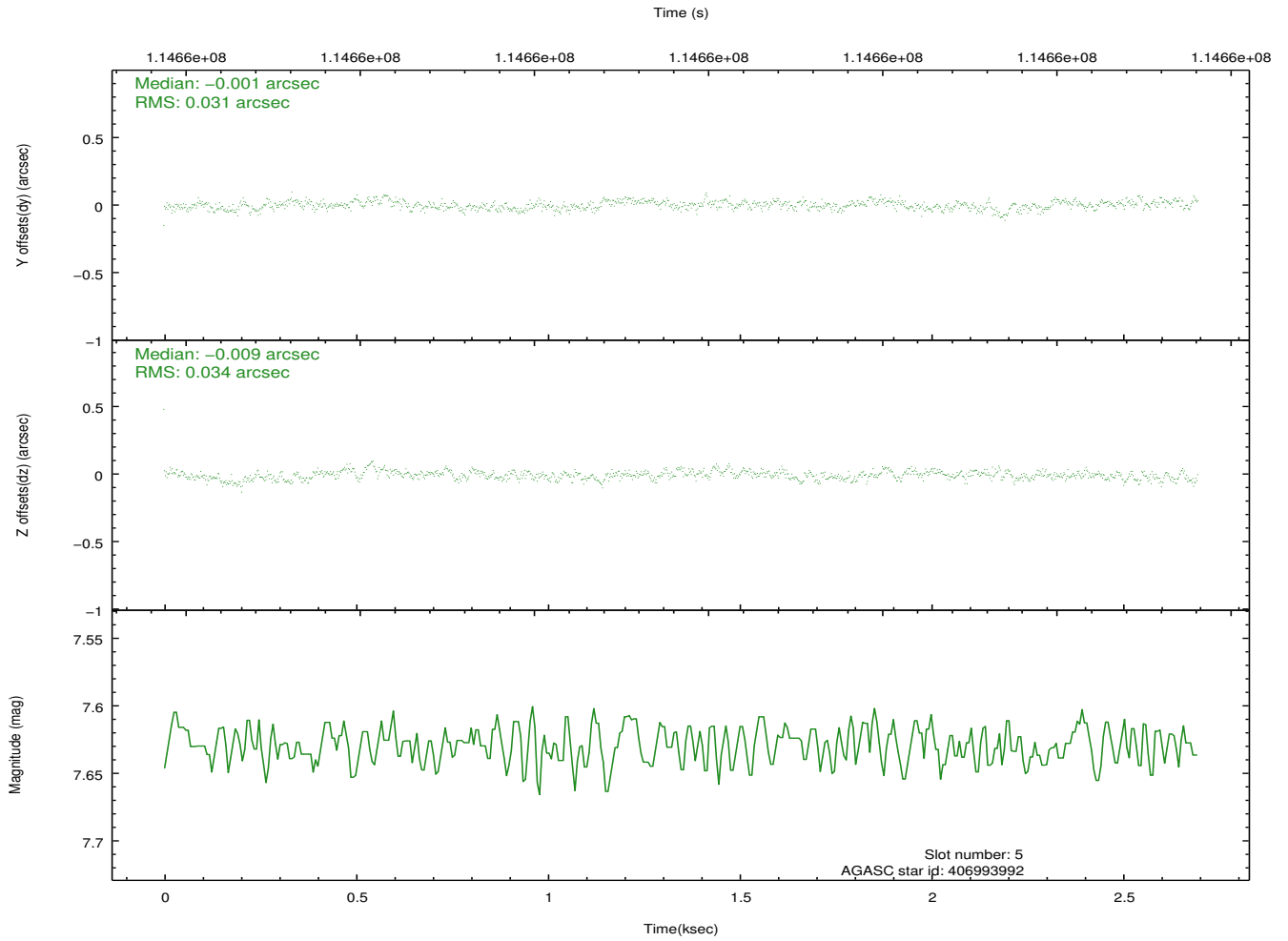
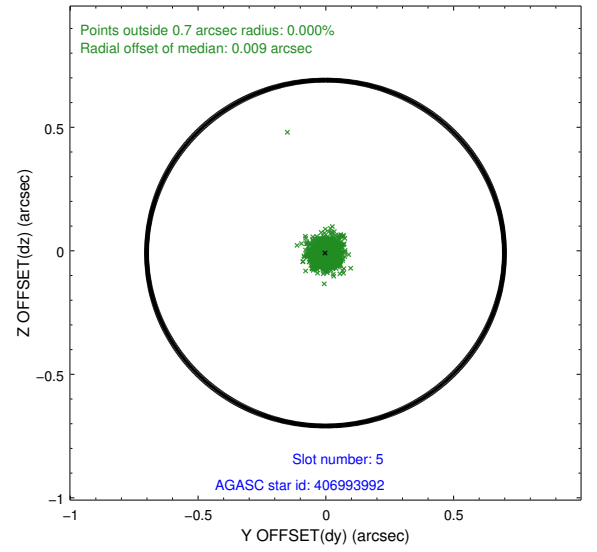
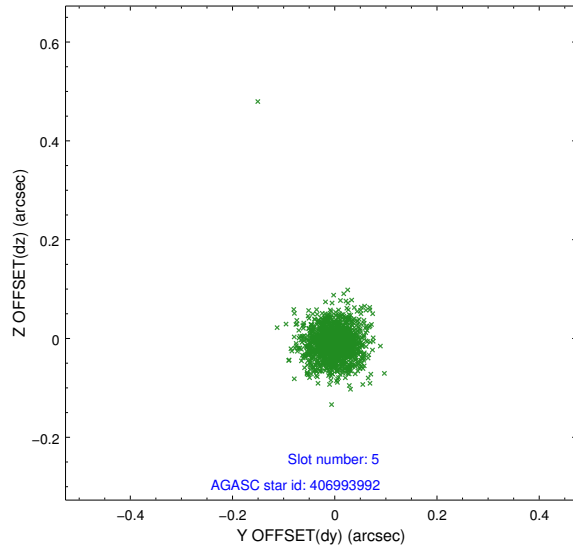
### 2.4.1 Slot 3



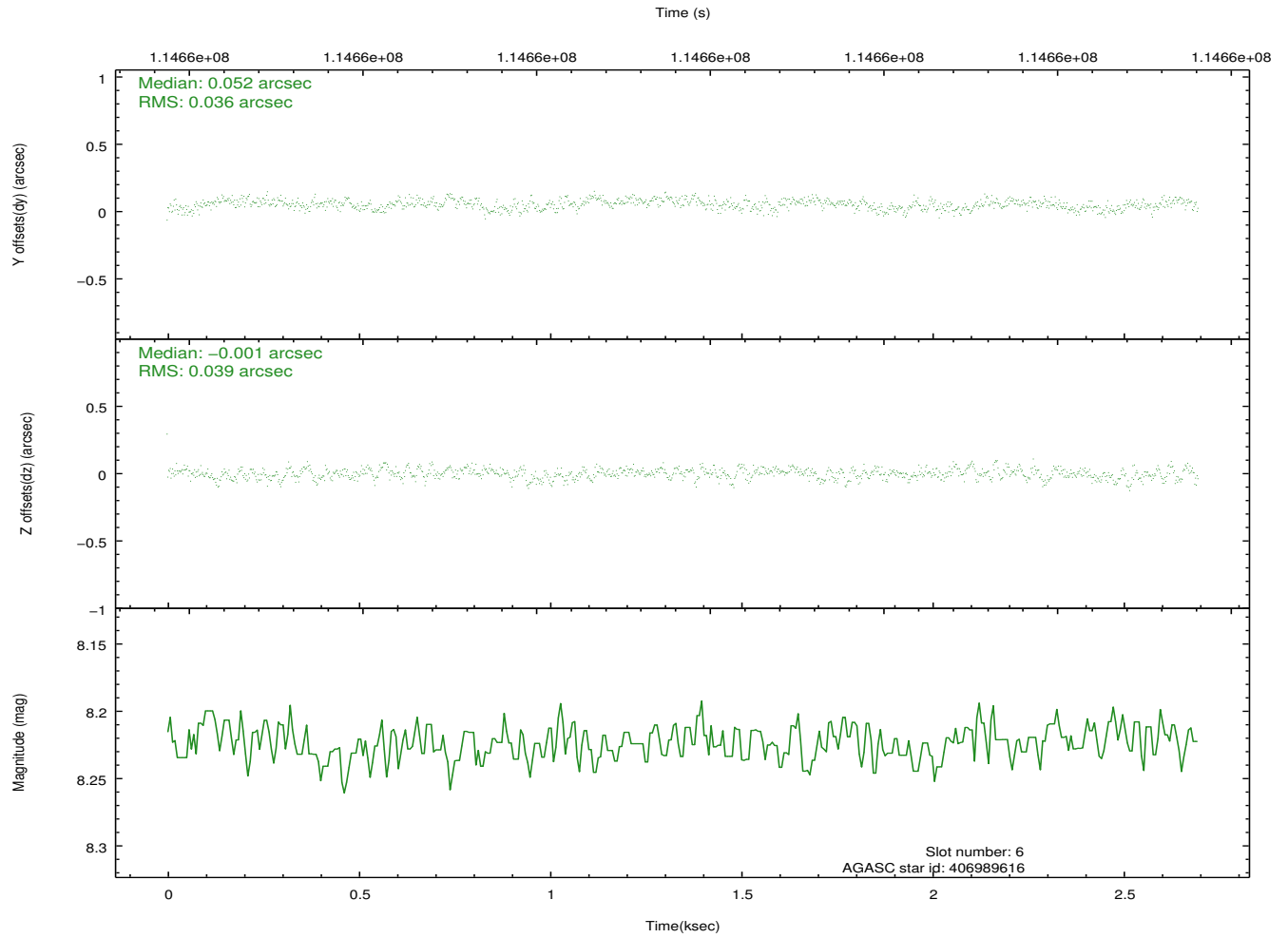
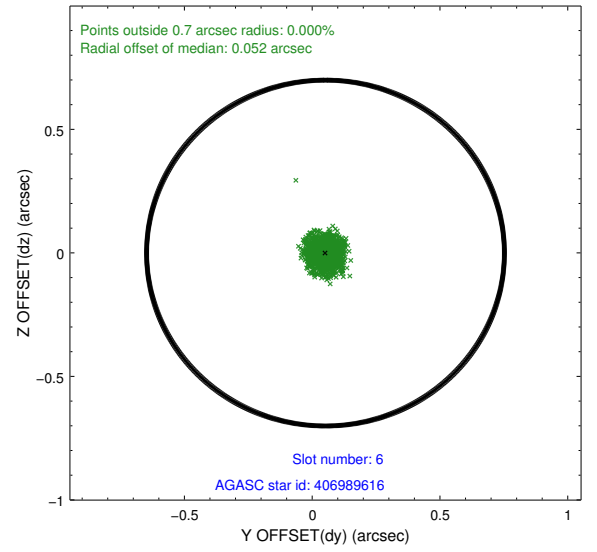
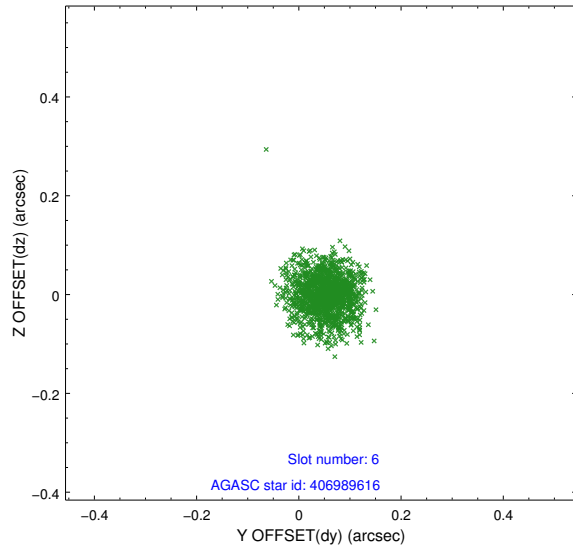
## 2.4.2 Slot 4



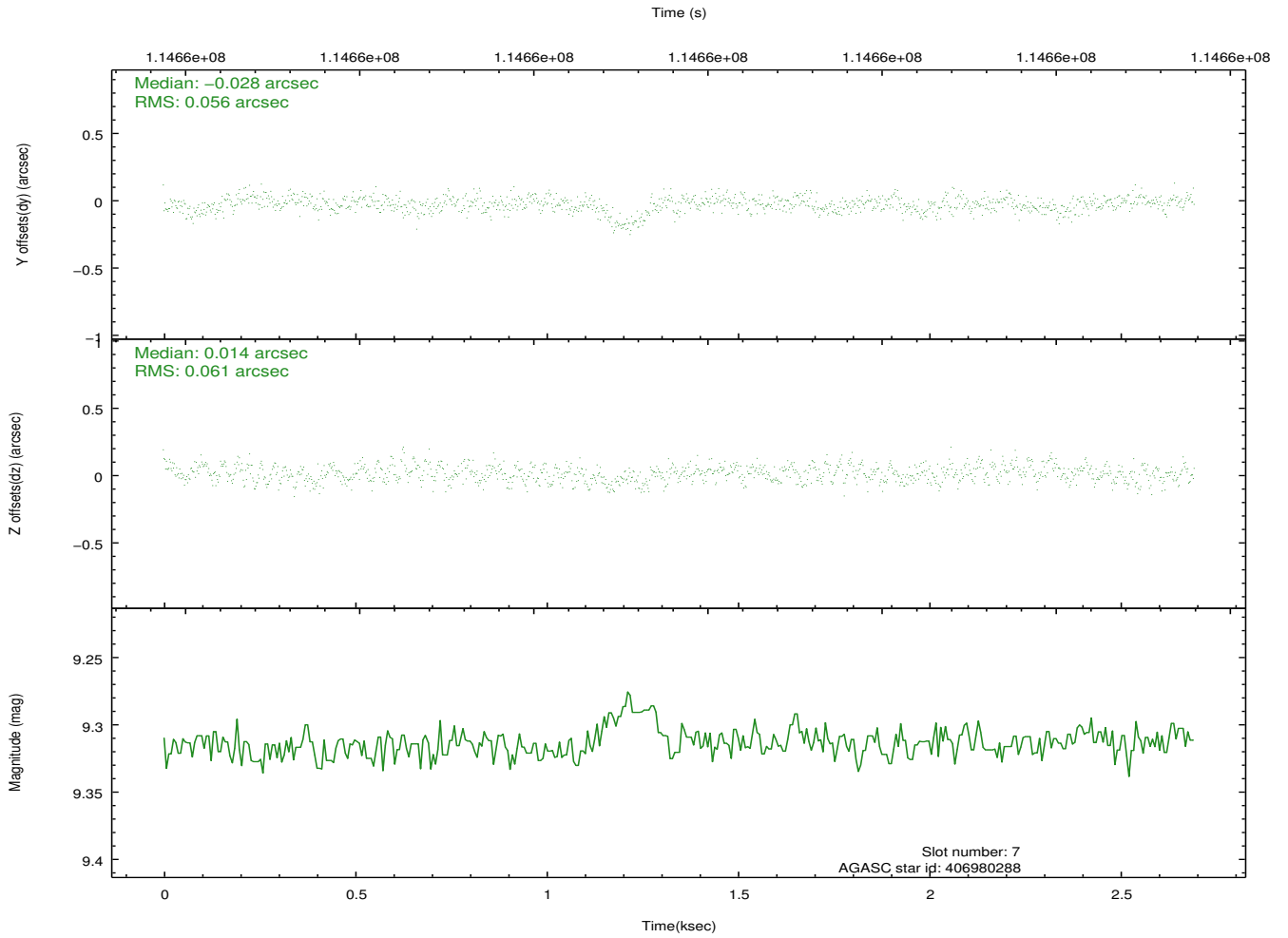
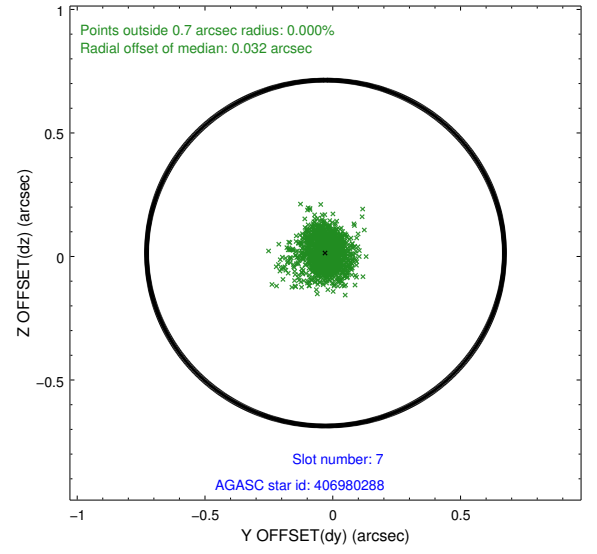
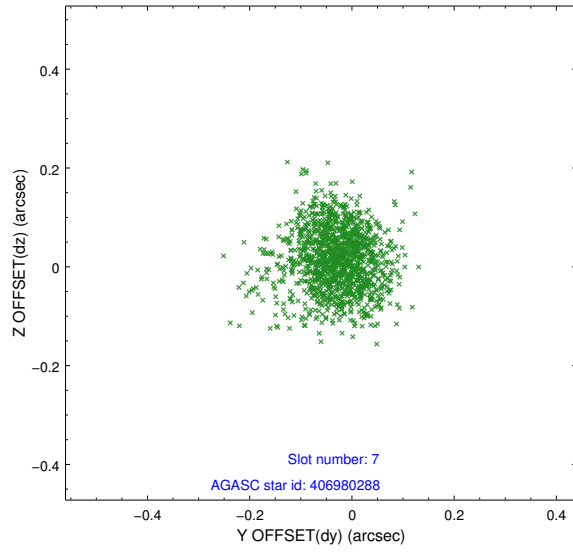
### 2.4.3 Slot 5



## 2.4.4 Slot 6

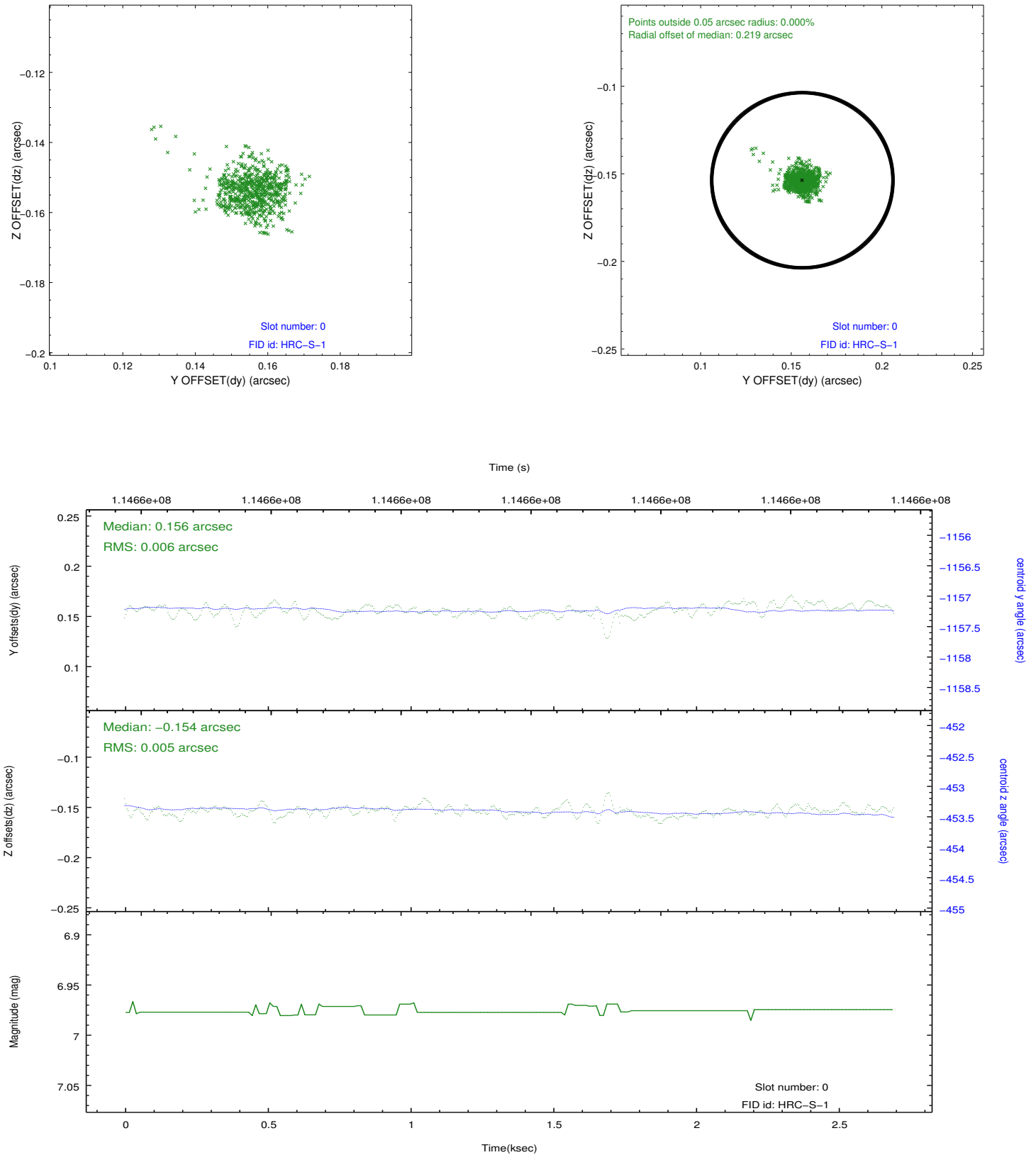


## 2.4.5 Slot 7

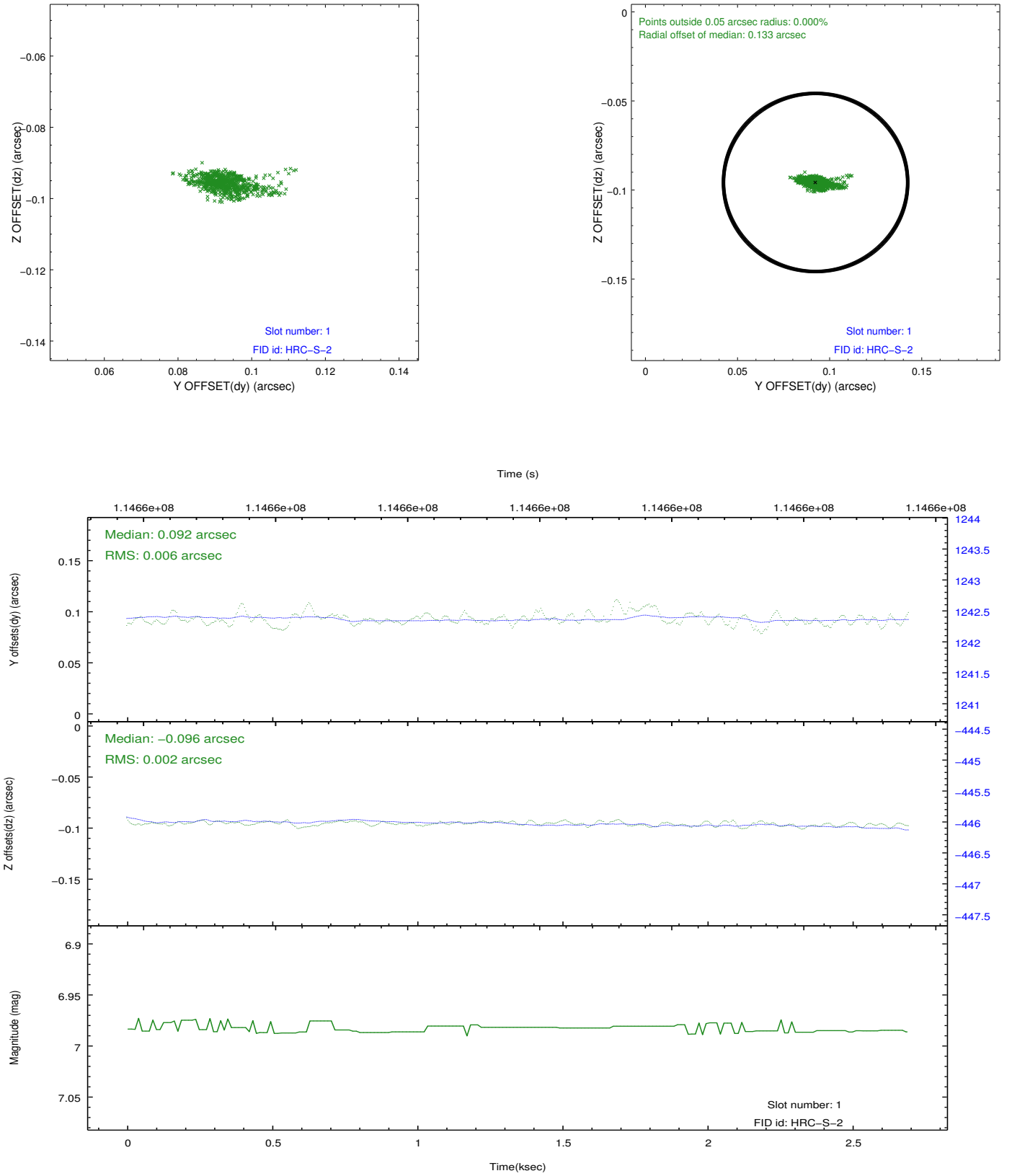


## 2.5 FID Slots

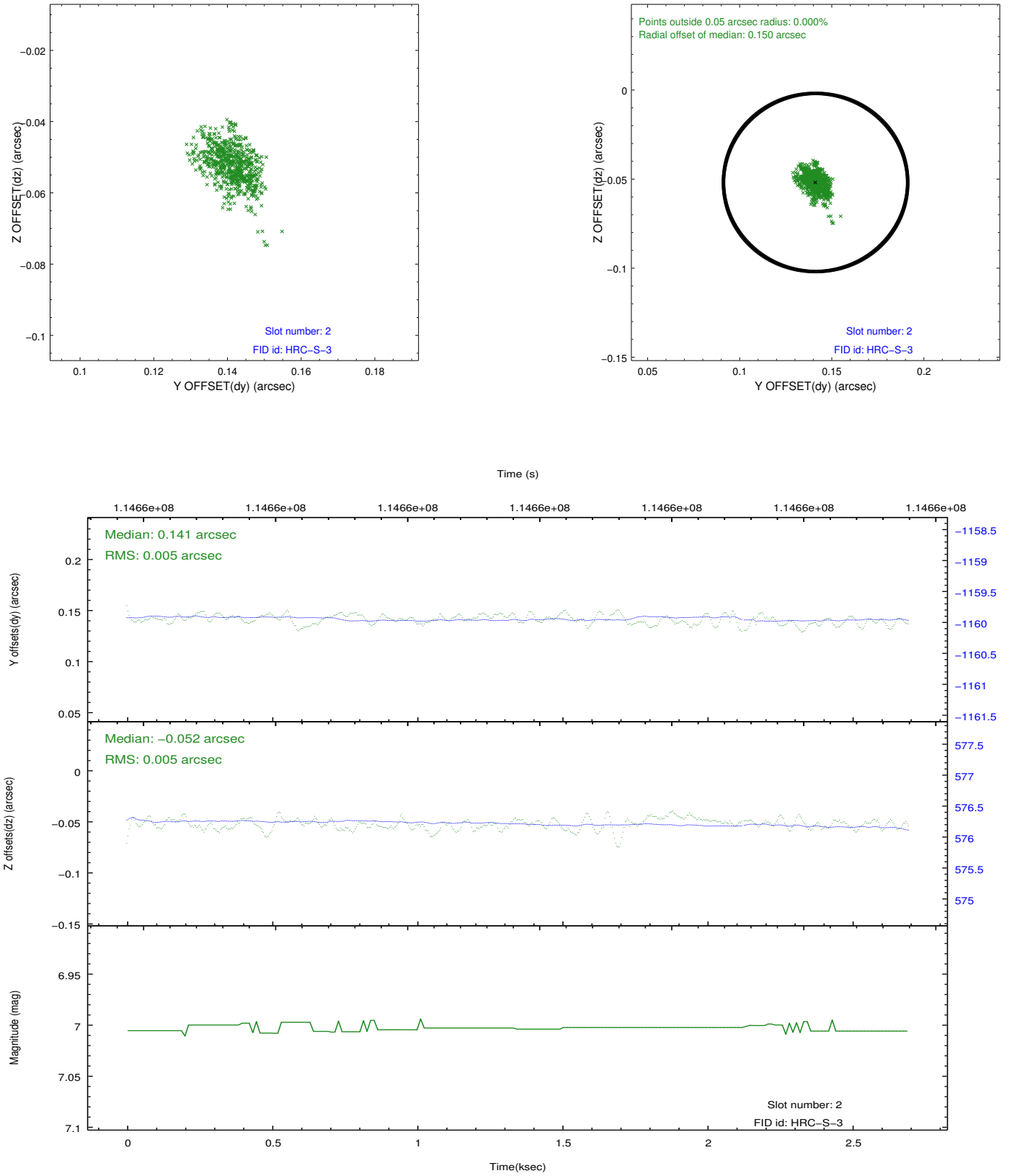
### 2.5.1 Slot 0



## 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)	2012.09.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.695

### A.2 Comments

Window constraint satisfied.