

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 285 - L2 Version 6  
Chandra X-Ray Center

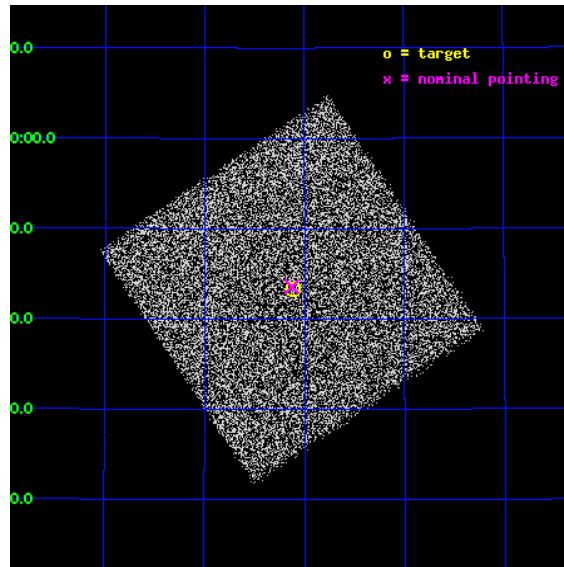
L2 Processing Date : Aug 29 2012

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# 1 Front

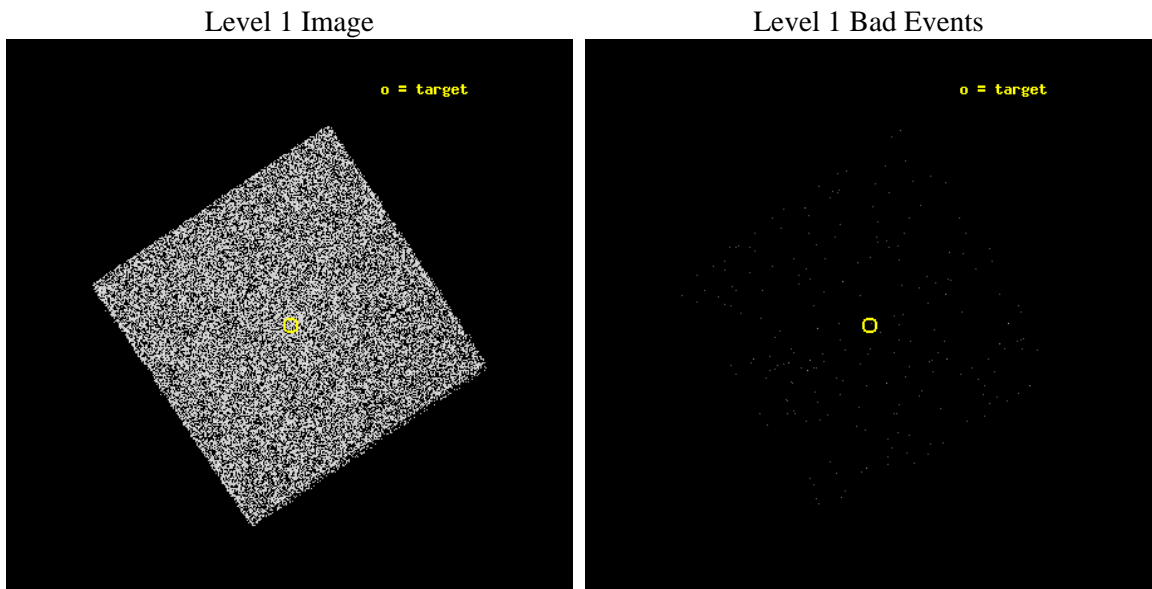
seq_num	600045	Sequence number
obs_id	285	Observation id
title	MONITORING M31	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	M31 - North 1	Source name
ra_targ	11.029167	Observer's specified target RA [deg]
dec_targ	41.721111	Observer's specified target Dec [deg]
ra_nom	11.031535531638	Nominal RA [deg]
dec_nom	41.726173010781	Nominal Dec [deg]
roll_nom	101.26248110562	Nominal Roll [deg]
revision	6	Processing version of data
ontime	1192.3312939703	[s]
livetime	1186.789415875	Ontime multiplied by DTCOR
l2events	27155	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1192.3312939703	[s]
caldbver	4.5.1.1	&#160	l1events	52134	Number of level 1 events
date	2012-08-29T10:22:57	Date and time of file creation			
revision	6	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

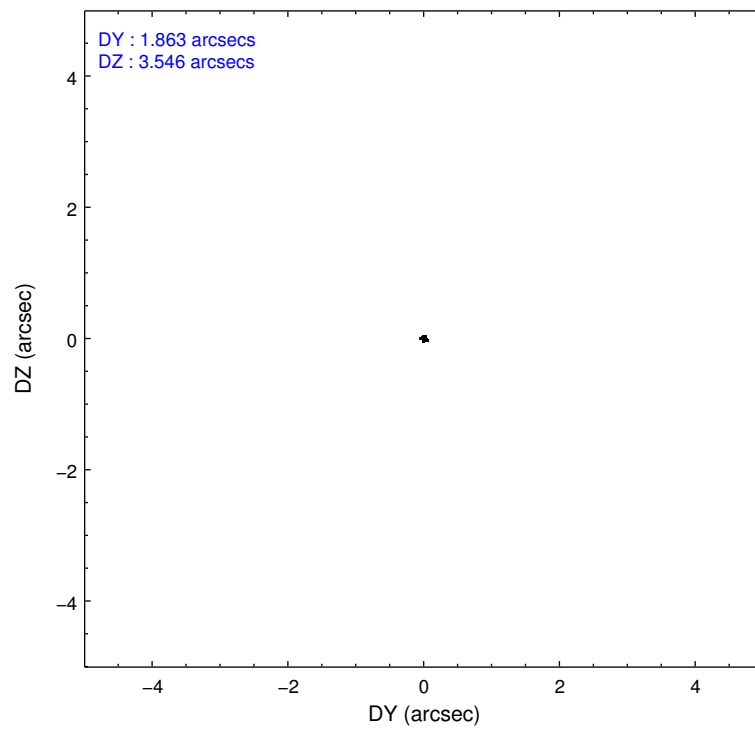
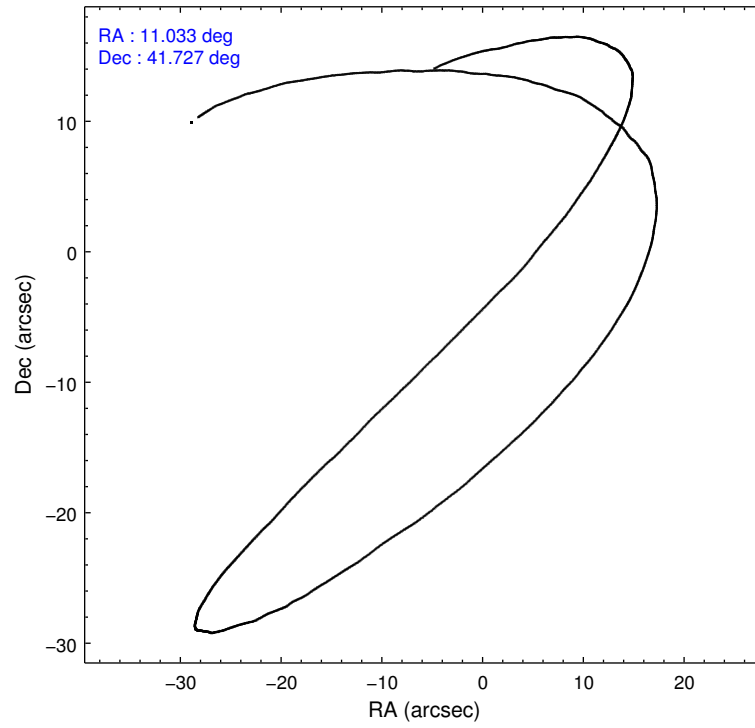
	<b>segment 0</b>
level 1 events	52134
rejected events	10950
rejected %	<b>21%</b>

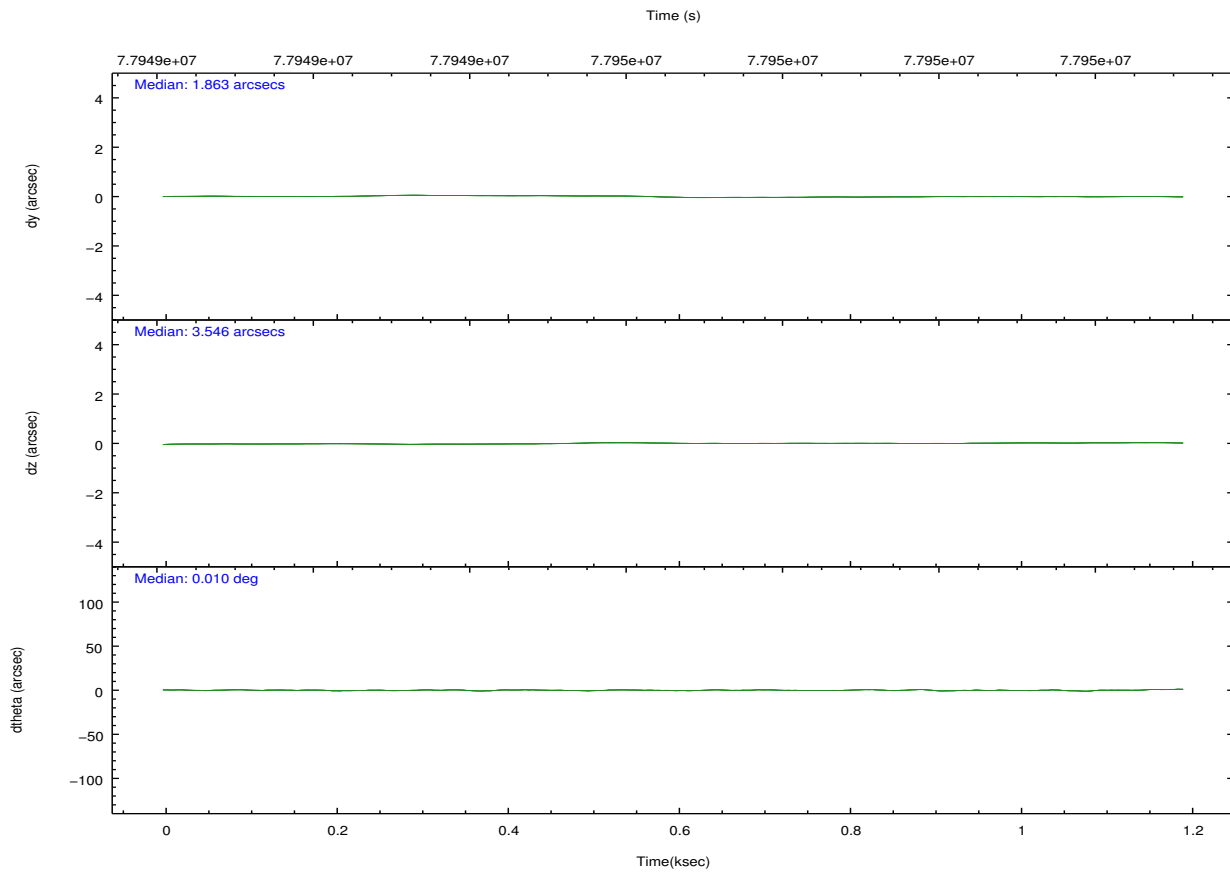
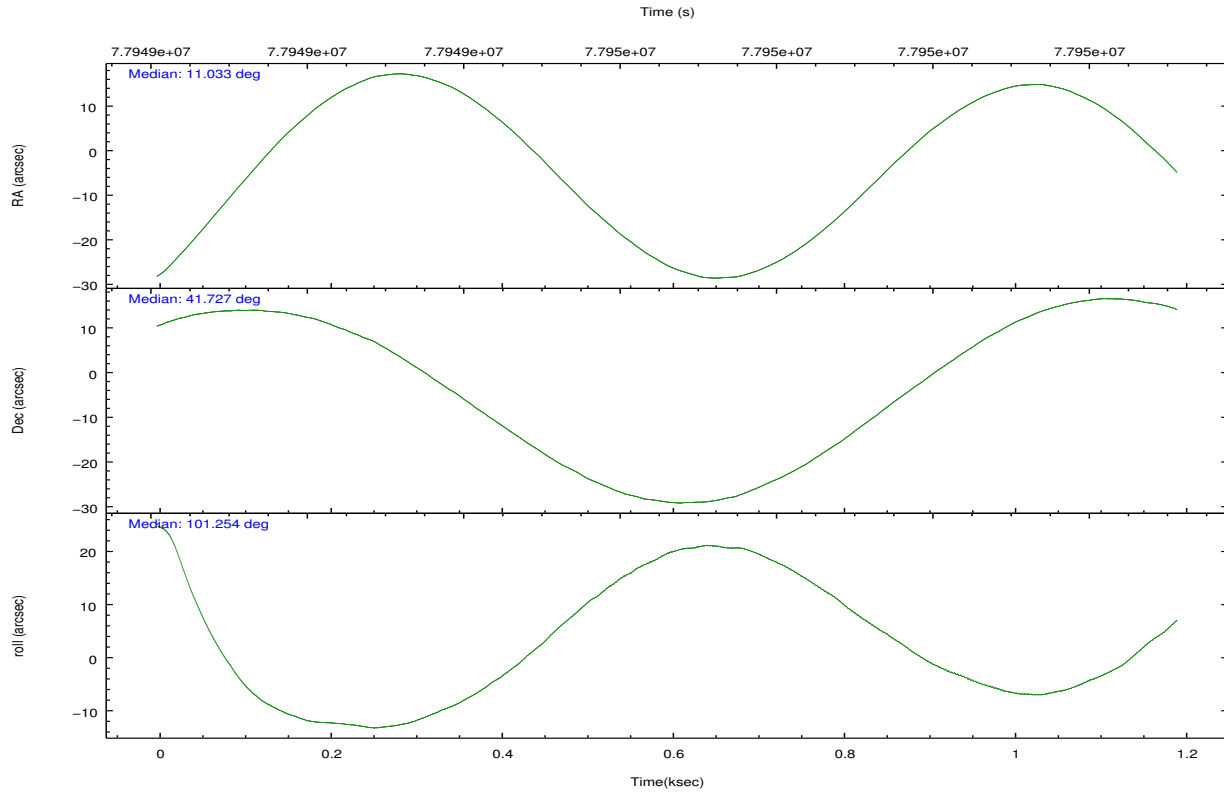
## 2.2 Compared Parameters

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	11.054836	11.03153553163803
[deg] Pointing Dec	41.705240	41.72617301078139
[deg] Pointing Roll	101.342488	101.2624811056196
[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)	77949252.184000	77948876.695988
Observation start date	2000-06-21T04:33:08	2000-06-21T04:27:56
[s] Observation end time (MET)	77950252.184000	77950386.521044
Observation end date	2000-06-21T04:49:48	2000-06-21T04:53:06

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

## 2.3 Aspect



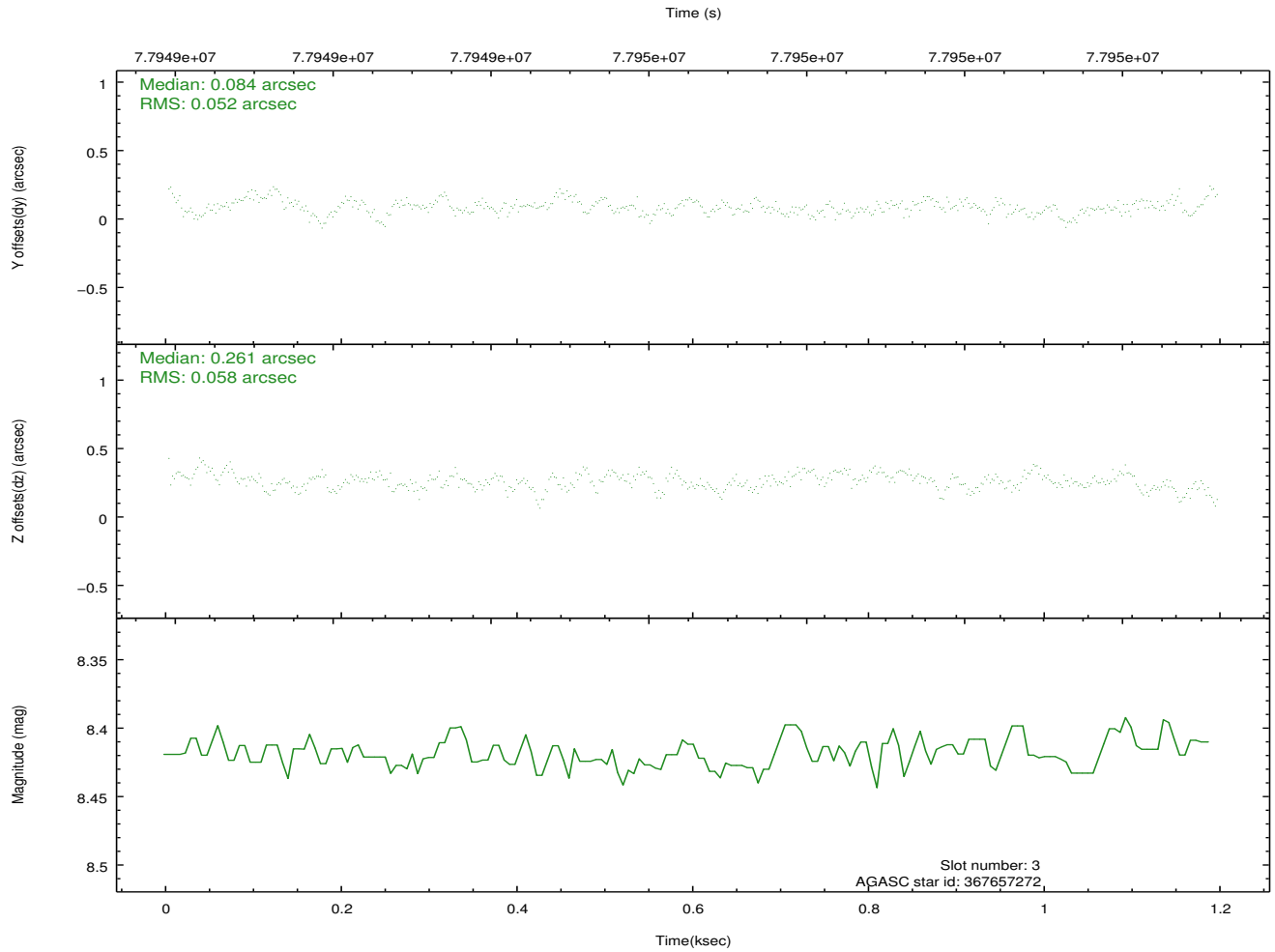
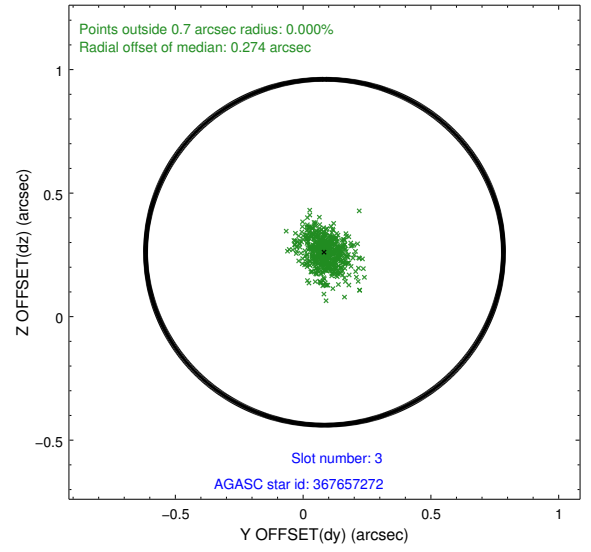
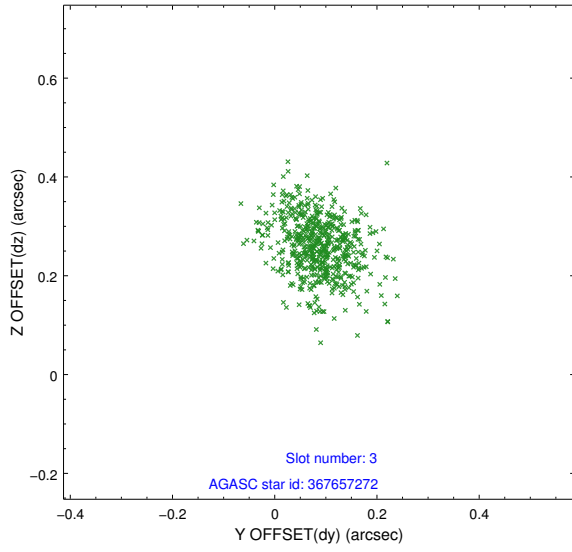


### Slot Statistics

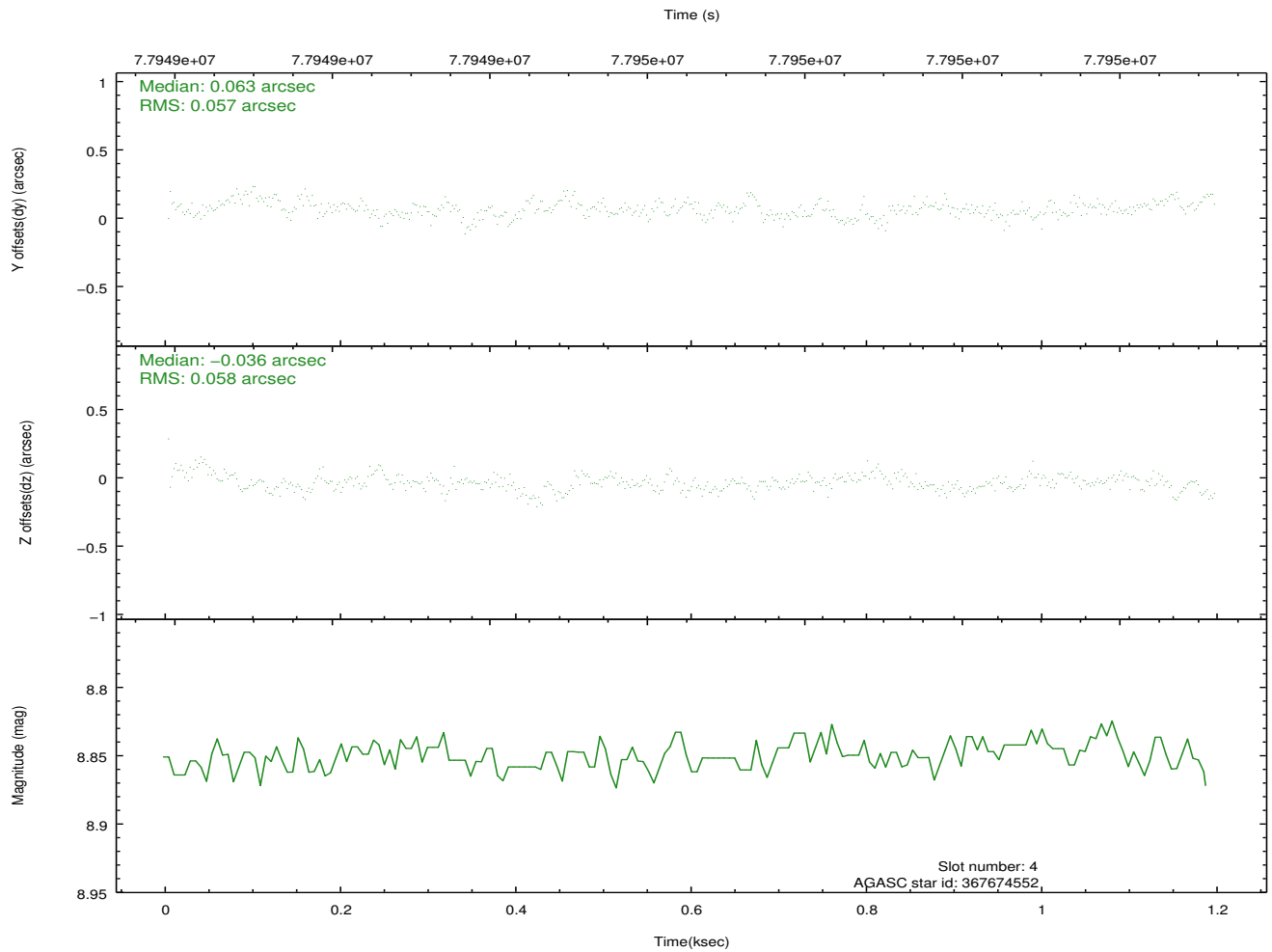
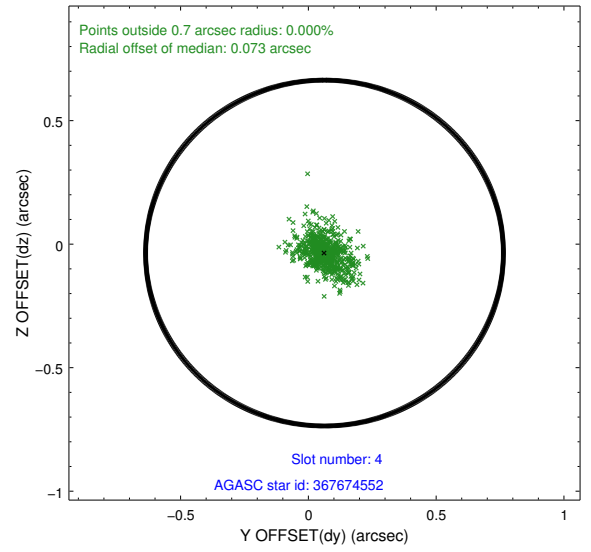
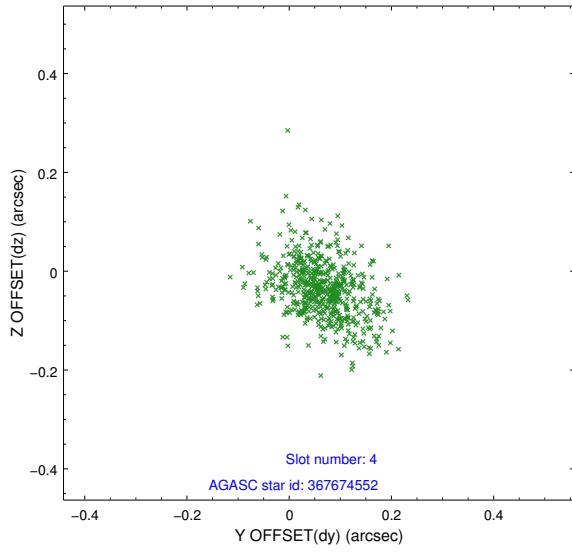
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	6.98	291	0.048	-0.039	0.006	0.011	0.000000	0.000000	855.34	-1292.97
1	FID	HRC-I-3	7.03	291	0.043	-0.020	0.005	0.009	0.000000	0.000000	-1182.79	1008.79
2	FID	HRC-I-4	6.98	291	0.028	-0.028	0.006	0.010	0.000000	0.000000	1281.47	1014.24
3	GUIDE	367657272	8.42	583	0.084	0.261	0.081	0.136	11.834471	41.298907	-1839.93	-1776.65
4	GUIDE	367674552	8.85	583	0.063	-0.036	0.082	0.151	11.016238	41.570845	-457.64	198.90
5	GUIDE	367658664	9.61	583	0.089	-0.268	0.114	0.188	10.374070	41.369746	-816.97	2044.33
6	GUIDE	367665472	9.51	580	-0.106	-0.150	0.207	0.356	10.241611	41.730843	527.78	2130.34
7	GUIDE	367660528	9.55	582	-0.122	0.197	0.108	0.187	11.676845	42.311657	1821.23	-2045.11

## 2.4 Star Slots

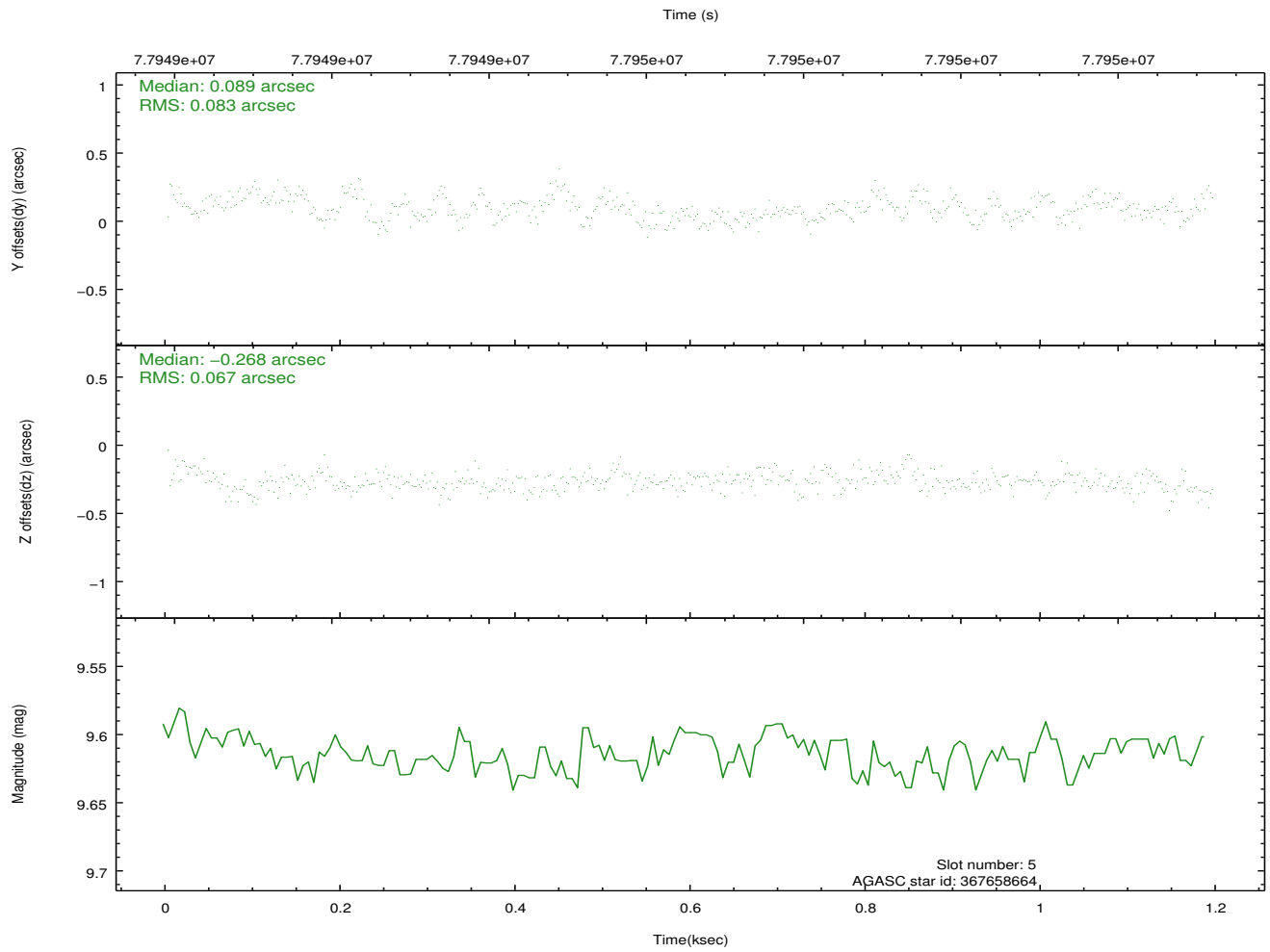
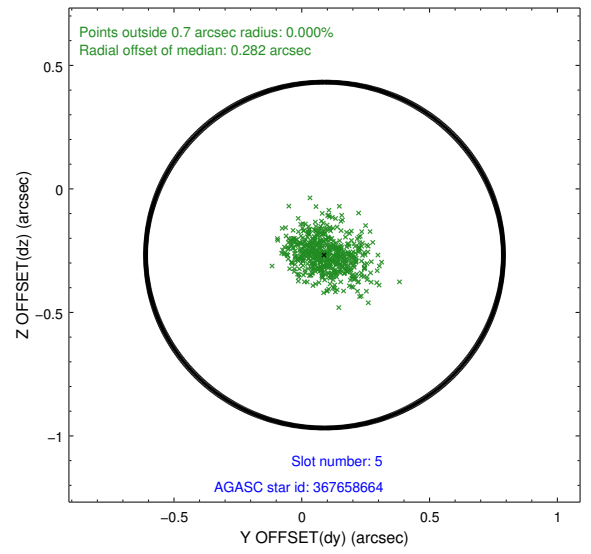
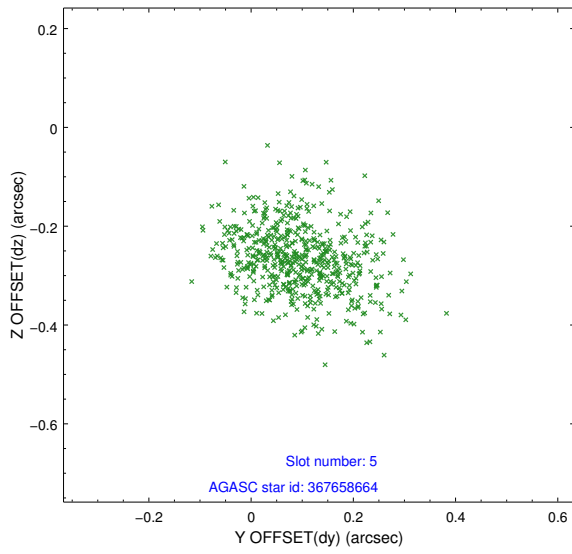
### 2.4.1 Slot 3



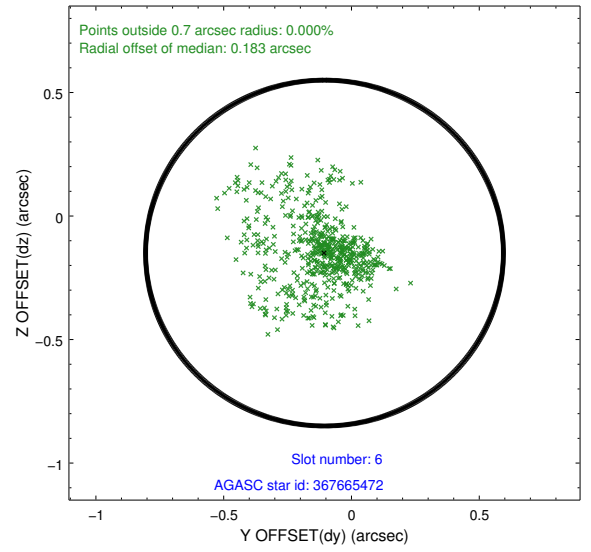
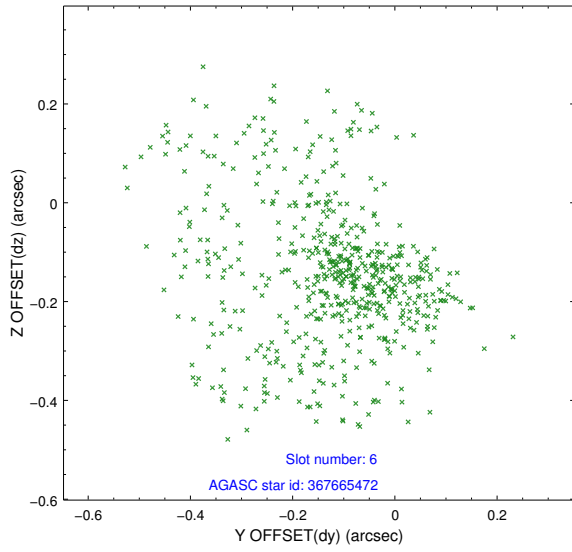
## 2.4.2 Slot 4



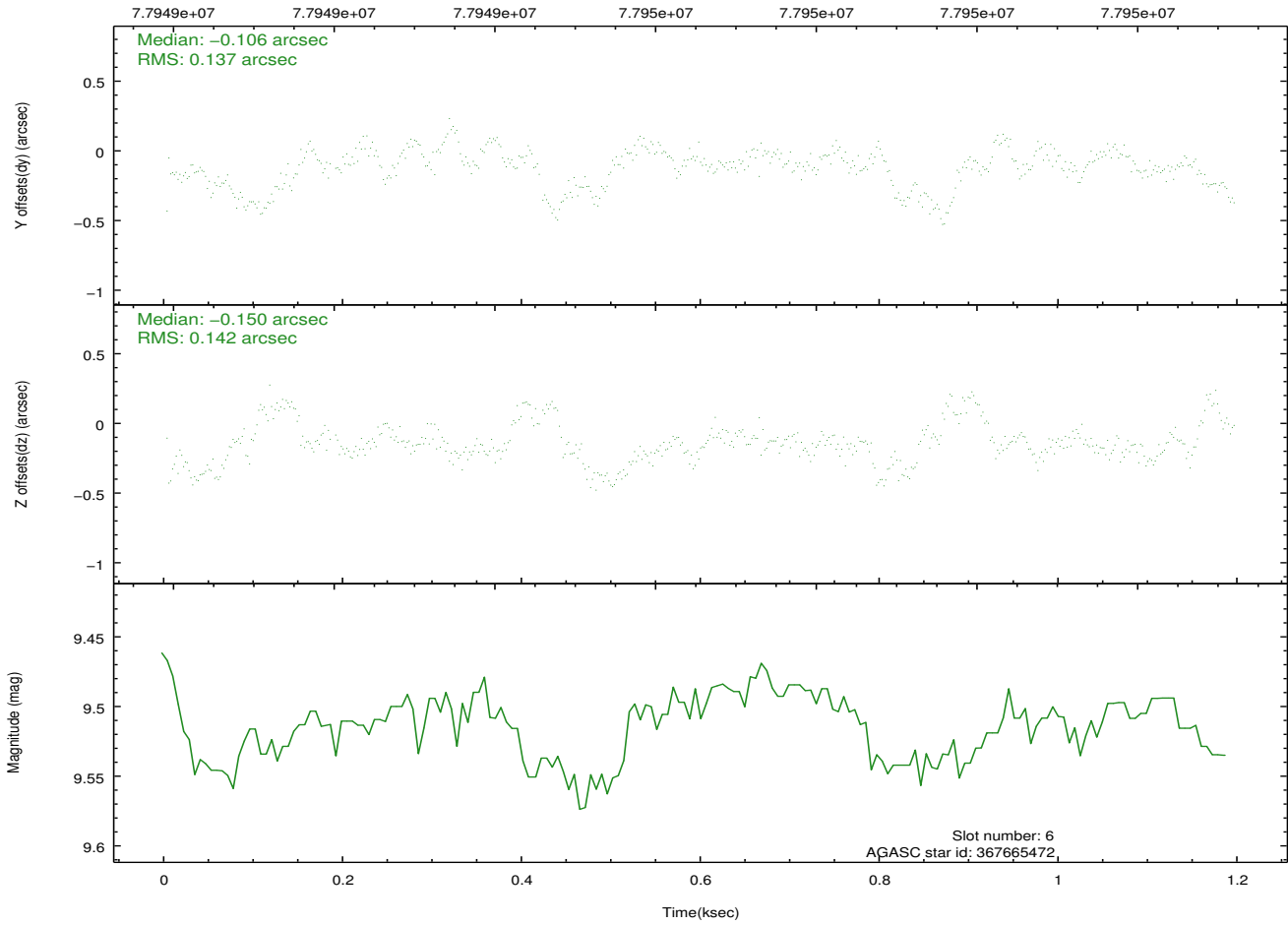
### 2.4.3 Slot 5



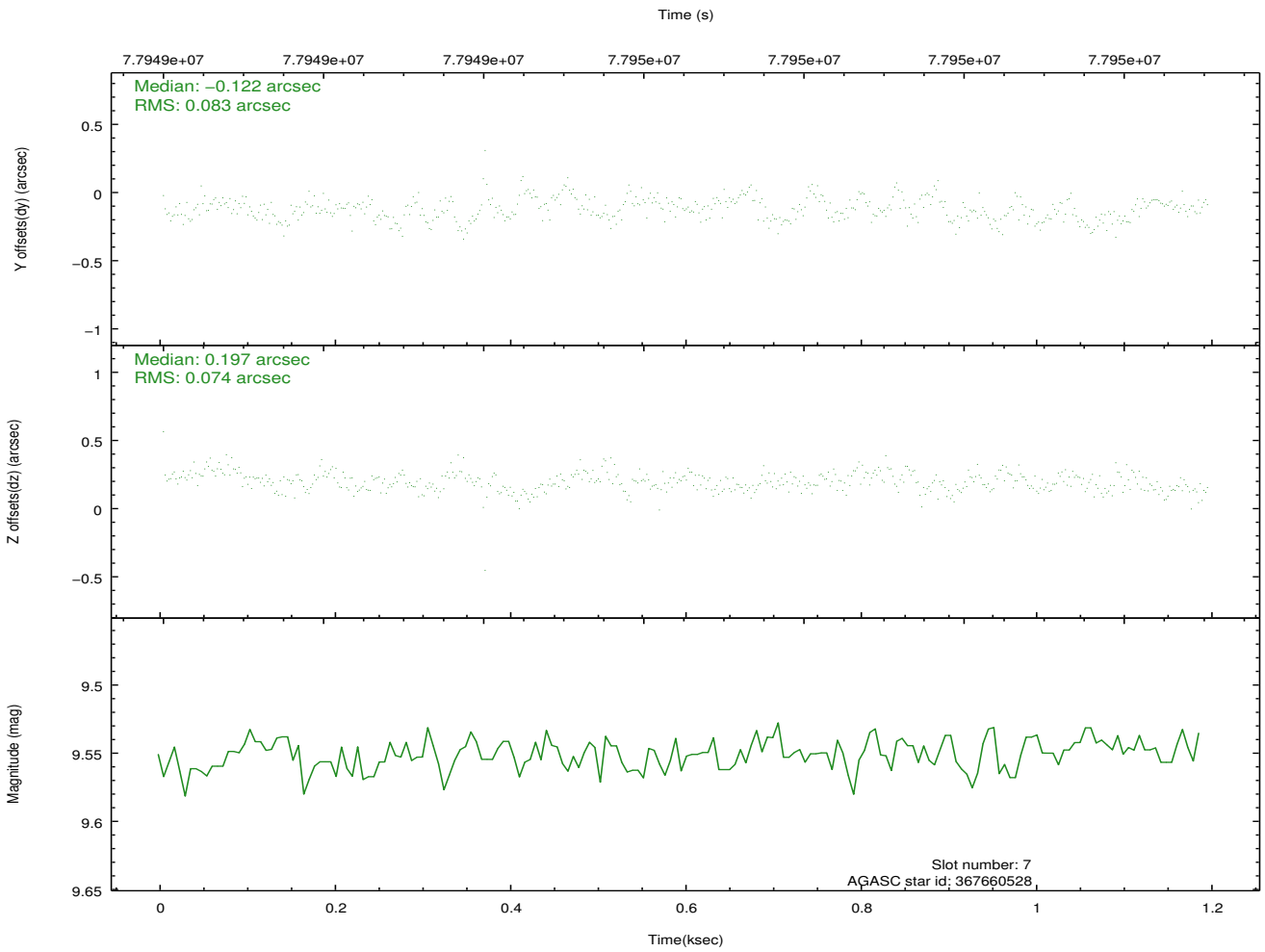
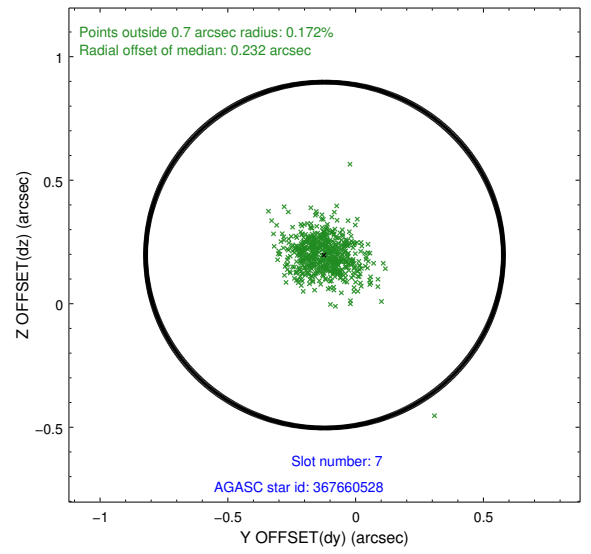
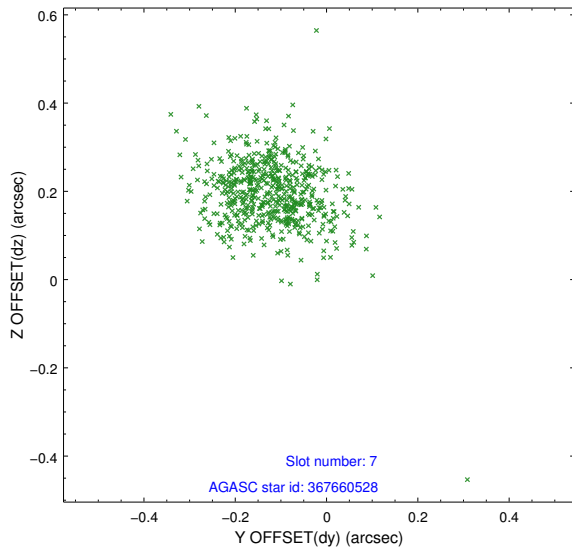
## 2.4.4 Slot 6



Time (s)

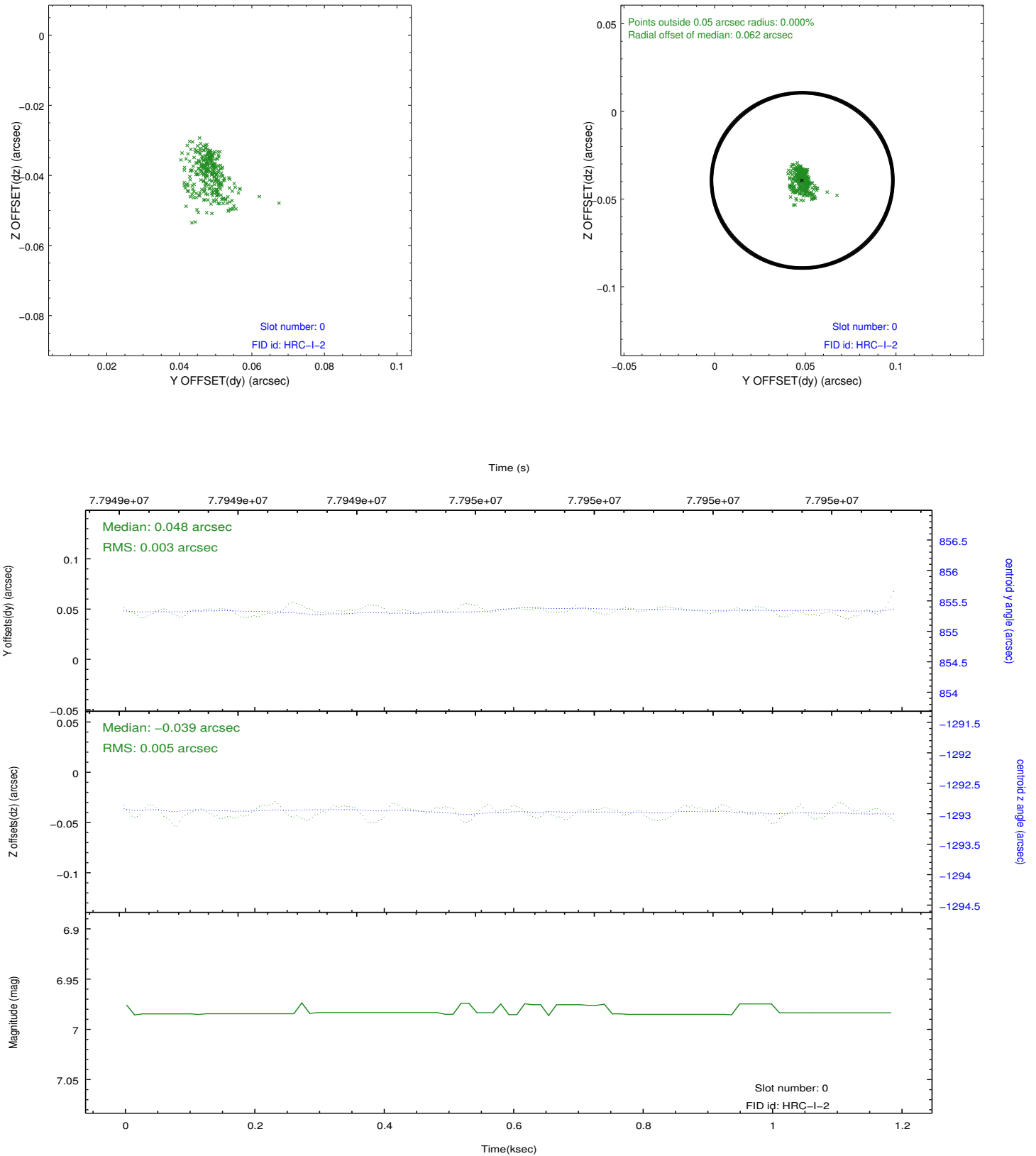


## 2.4.5 Slot 7

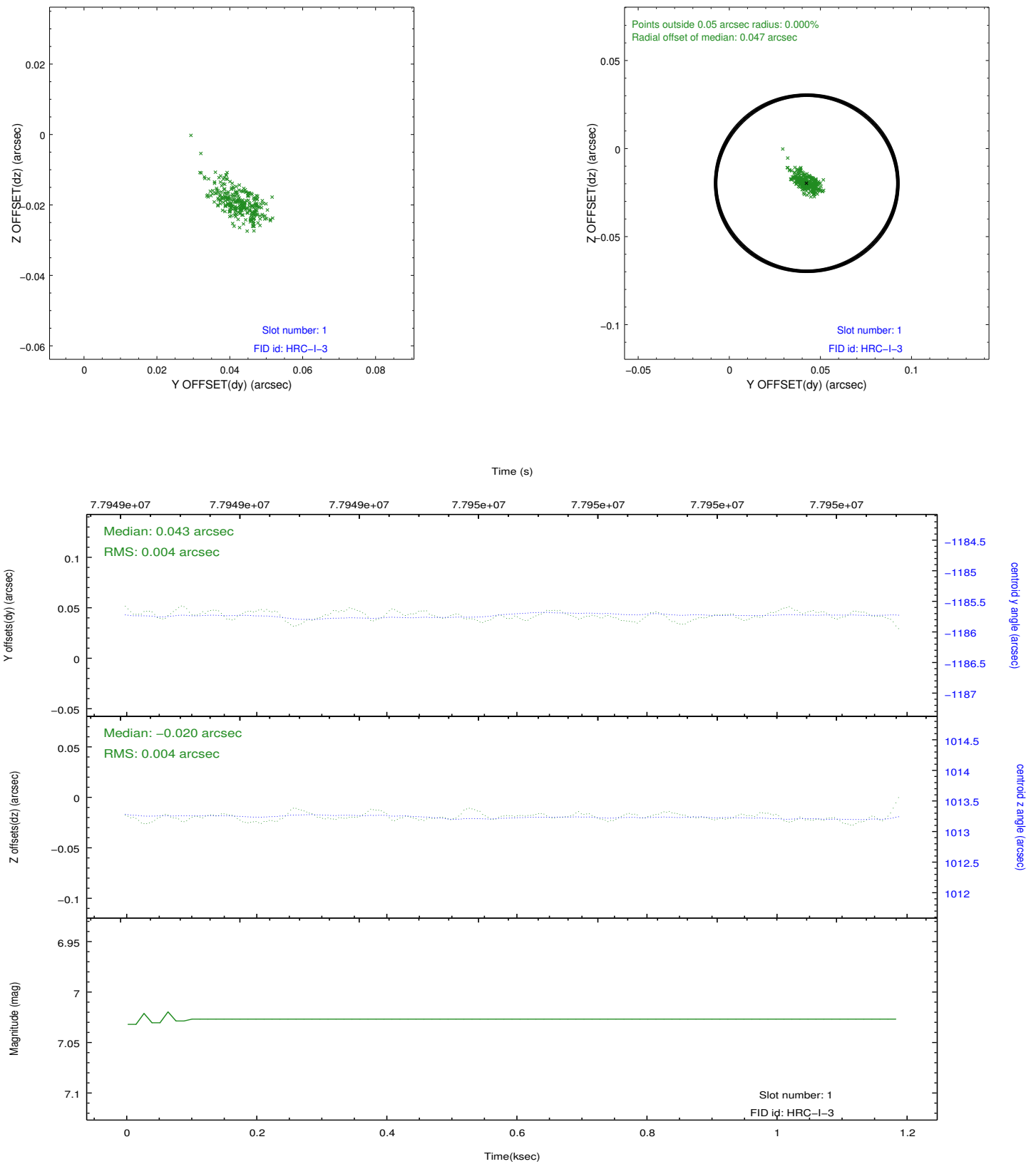


## 2.5 FID Slots

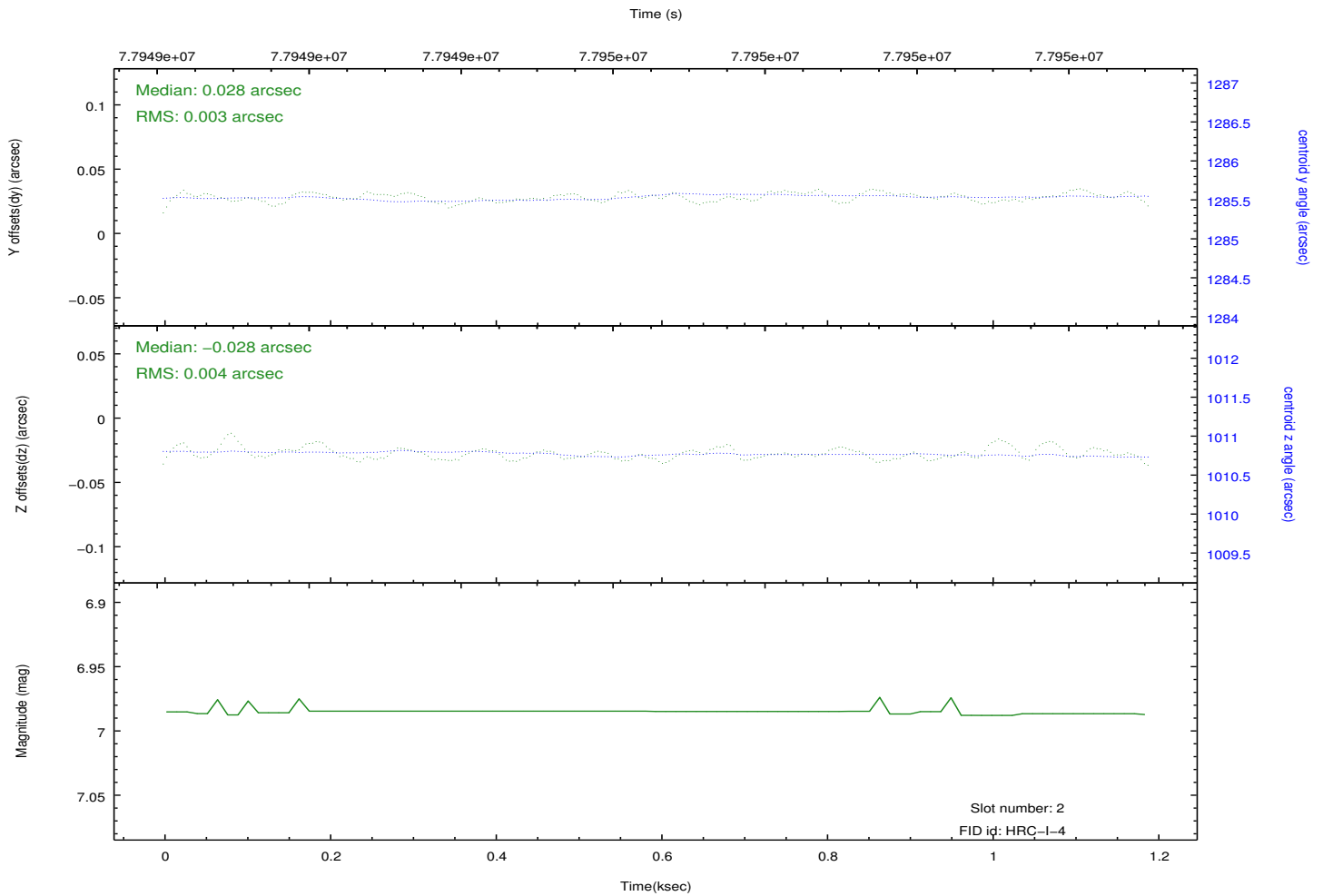
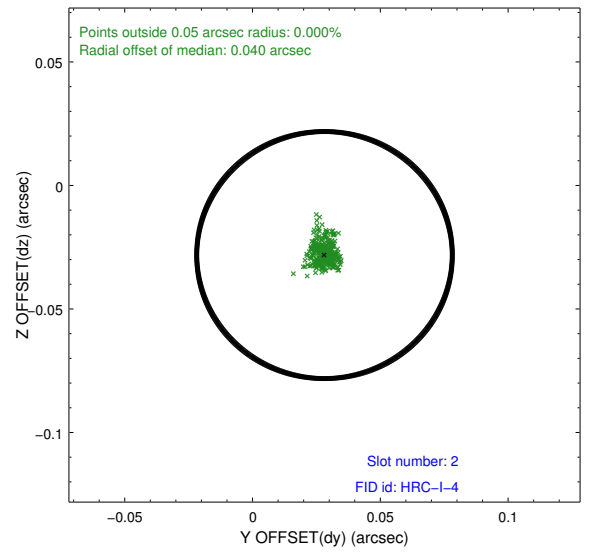
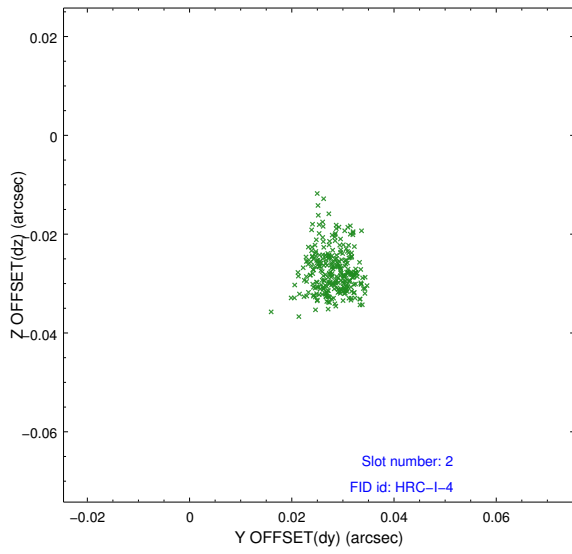
### 2.5.1 Slot 0



## 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)	2012.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.192

## A.2 Comments