

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 266 - L2 Version 6  
Chandra X-Ray Center

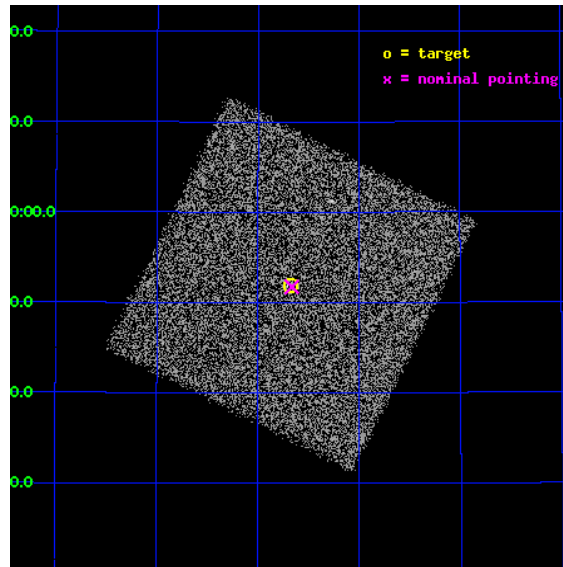
L2 Processing Date : Sep 3 2012

## 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

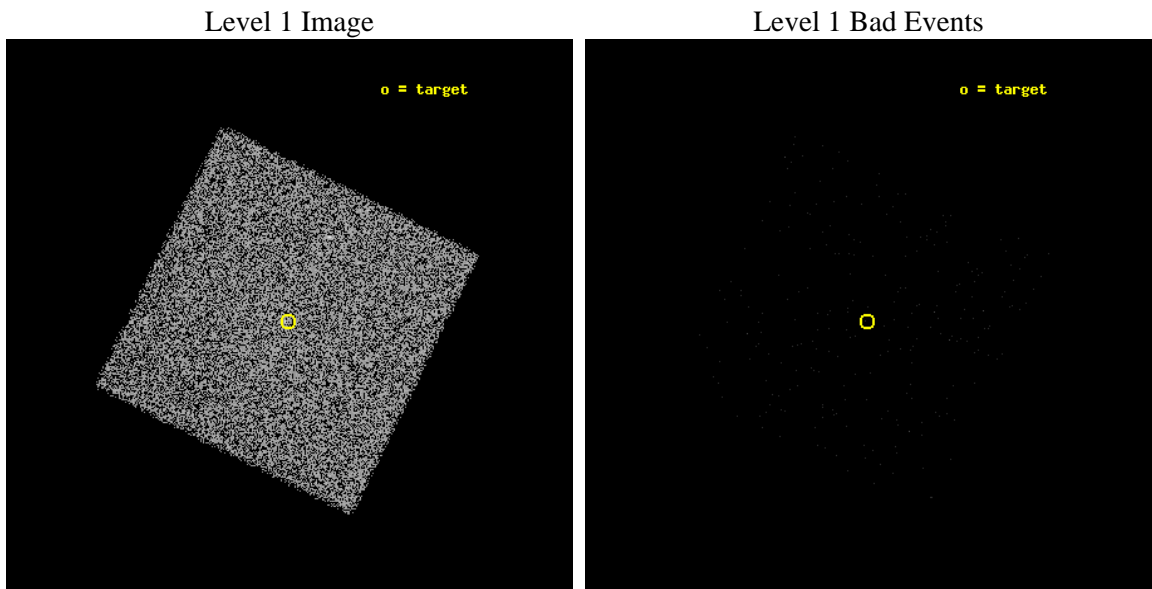
seq_num	600026	Sequence number
obs_id	266	Observation id
title	MONITORING M31	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	M31 - South 1	Source name
ra_targ	10.67	Observer's specified target RA [deg]
dec_targ	40.865	Observer's specified target Dec [deg]
ra_nom	10.666057698112	Nominal RA [deg]
dec_nom	40.862245146491	Nominal Dec [deg]
roll_nom	251.42338774775	Nominal Roll [deg]
revision	6	Processing version of data
ontime	1186.1812952906	[s]
livetime	1180.4375179249	Ontime multiplied by DTCOR
l2events	31827	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	1186.1812952906	[s]
caldbver	4.5.1.1	&#160	l1events	58509	Number of level 1 events
date	2012-09-03T16:02:10	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

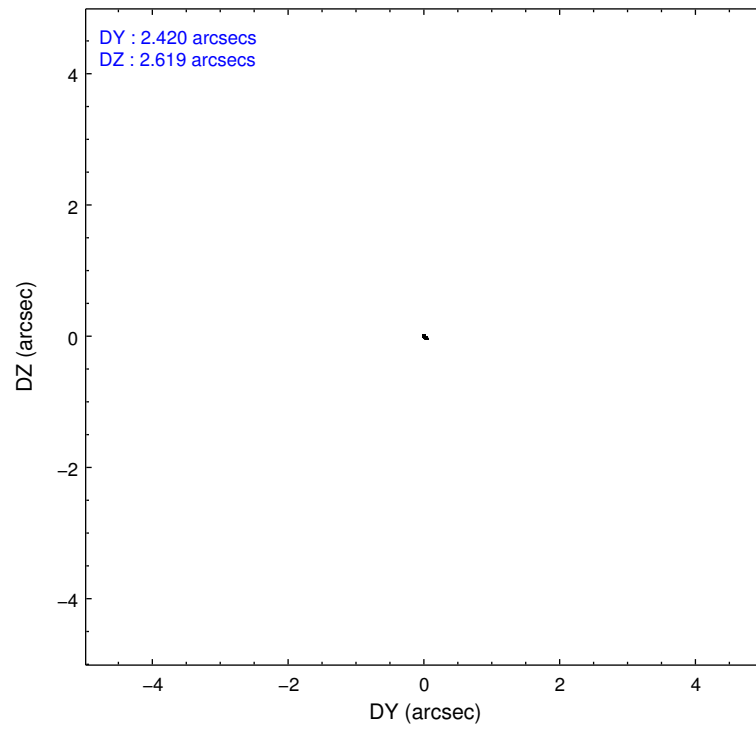
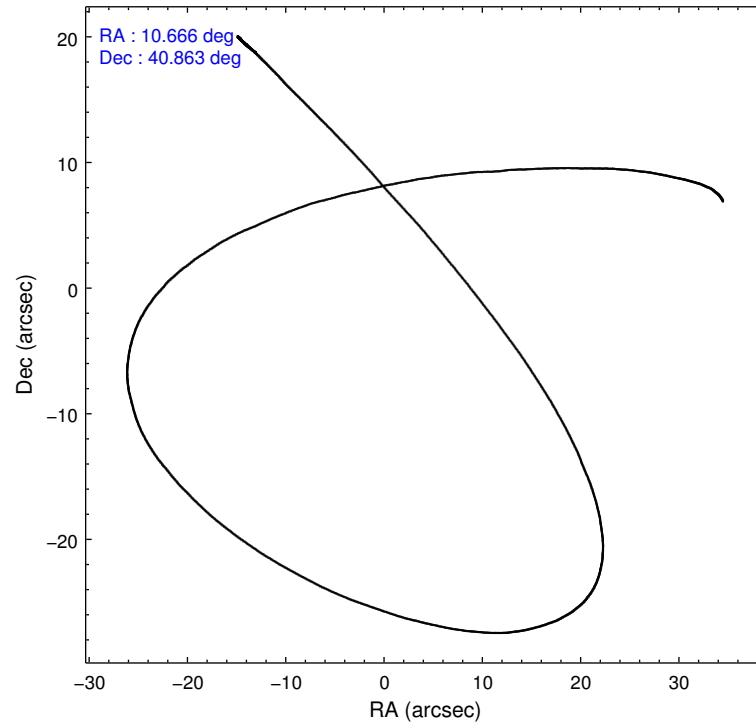
	<b>segment 0</b>
level 1 events	58509
rejected events	12432
rejected %	21%

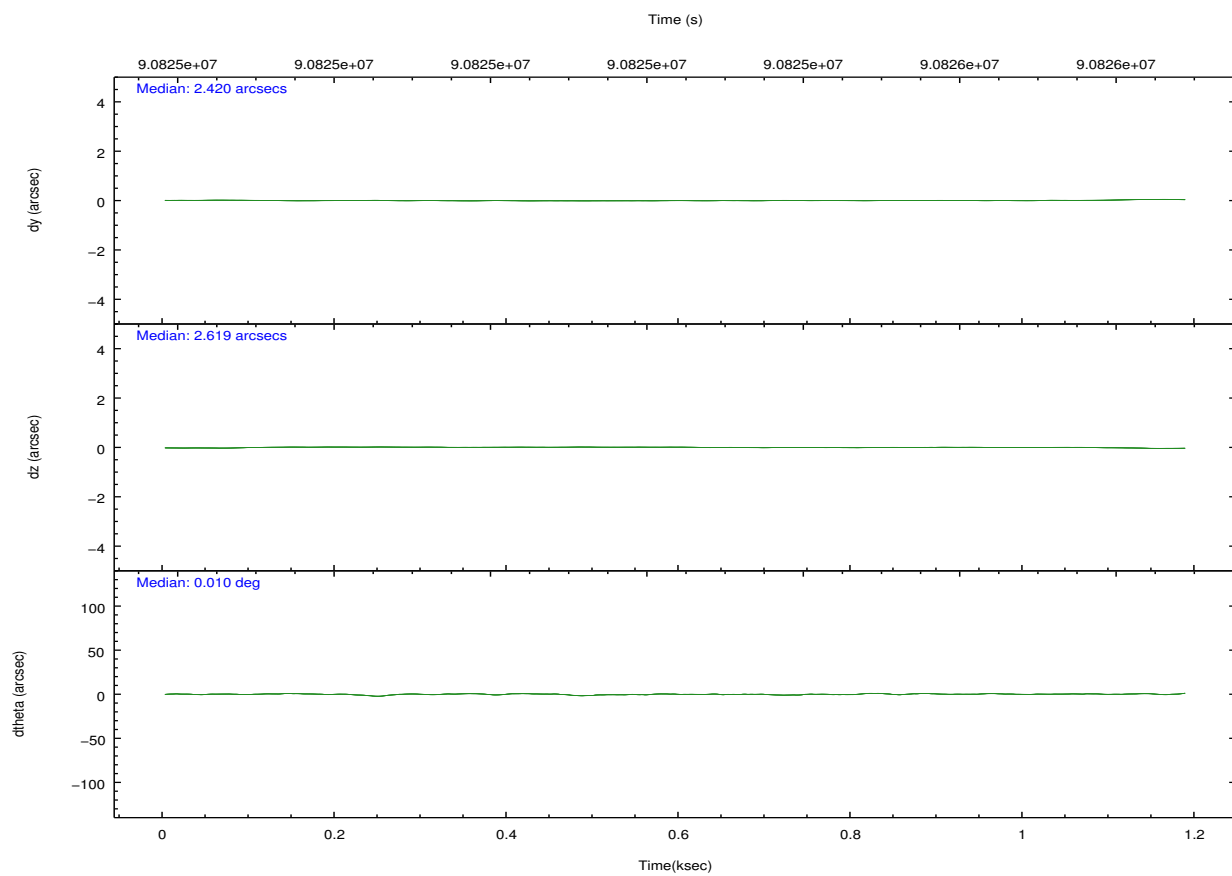
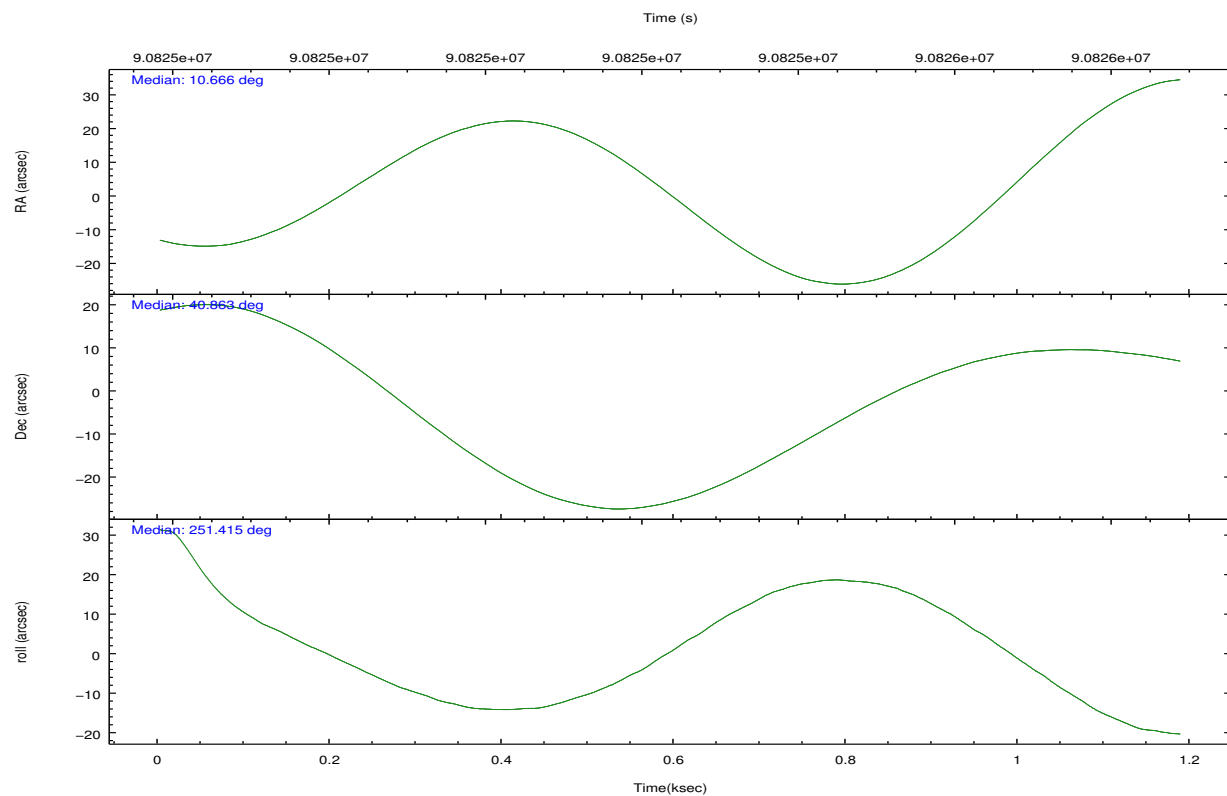
## 2.2 Compared Parameters

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	10.658452	10.66605769811212
[deg] Pointing Dec	40.888291	40.86224514649094
[deg] Pointing Roll	251.523768	251.4233877477507
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9804656746847
[mm] SIM translation stage offset	0	0.005023216916882234
[s] Observation start time (MET)	90824830.184000	90824454.65334301
Observation start date	2000-11-17T05:06:06	2000-11-17T05:00:54
[s] Observation end time (MET)	90825830.184000	90825964.47840101
Observation end date	2000-11-17T05:22:46	2000-11-17T05:26:04

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

## 2.3 Aspect





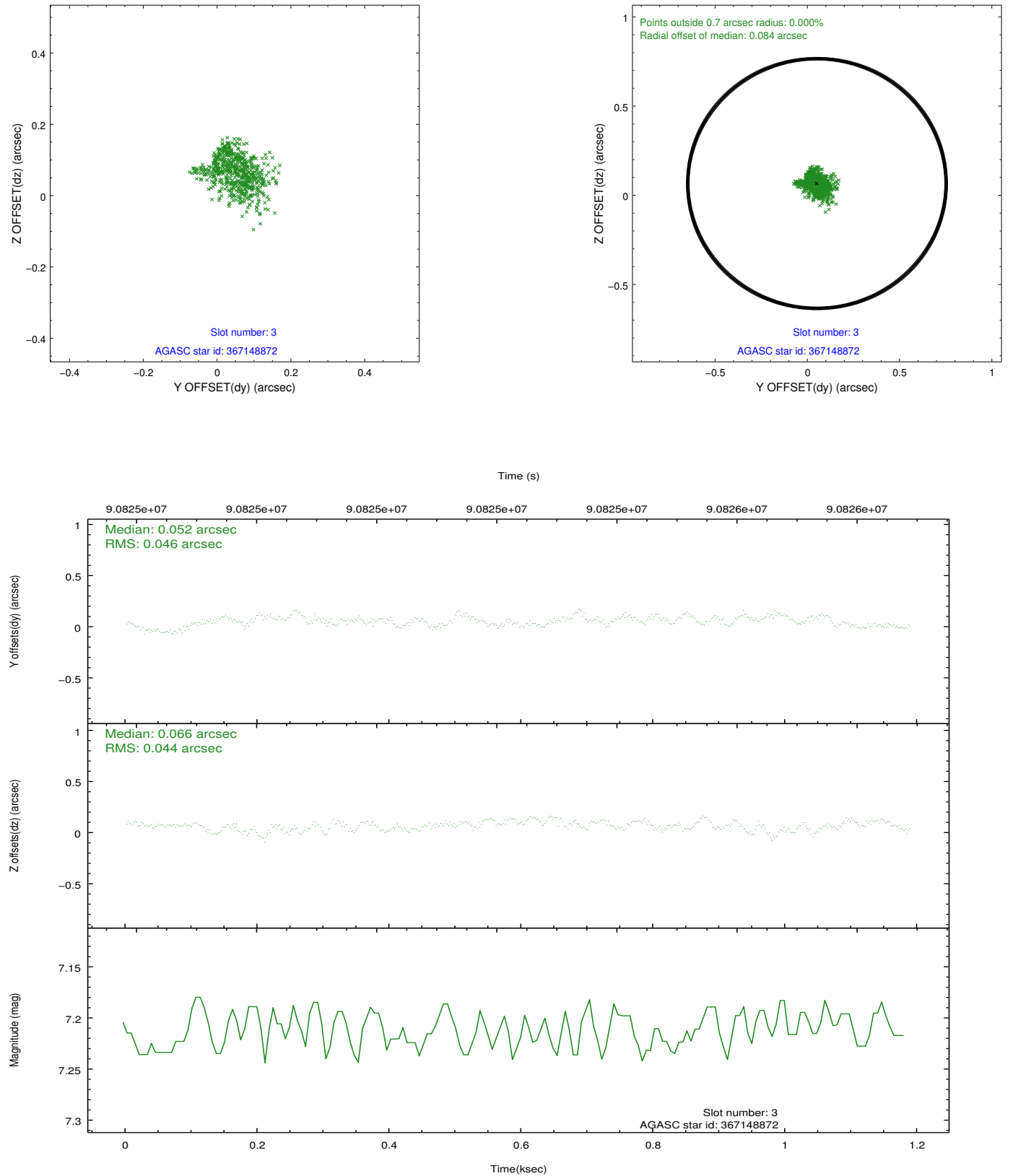
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	290	0.046	0.009	0.005	0.009	0.000000	0.000000	-757.88	-1290.25
1	FID	HRC-I-2	7.00	290	0.069	-0.036	0.006	0.010	0.000000	0.000000	852.16	-1296.36
2	FID	HRC-I-4	6.99	290	0.001	-0.066	0.005	0.011	0.000000	0.000000	1287.88	1007.31
3	GUIDE	367148872	7.21	580	0.052	0.066	0.068	0.109	10.505940	40.688258	817.16	-165.68
4	GUIDE	367138920	7.75	580	-0.027	-0.097	0.069	0.108	11.513485	40.808909	-474.57	2297.20
5	GUIDE	367139768	7.98	580	-0.089	0.049	0.065	0.107	11.069715	40.685175	336.60	1300.70
6	GUIDE	365439720	8.50	580	0.036	-0.095	0.068	0.119	9.704623	40.431022	2379.57	-1958.52
7	GUIDE	367146616	8.86	579	0.035	0.059	0.077	0.128	11.418645	41.190163	-1685.59	1603.44

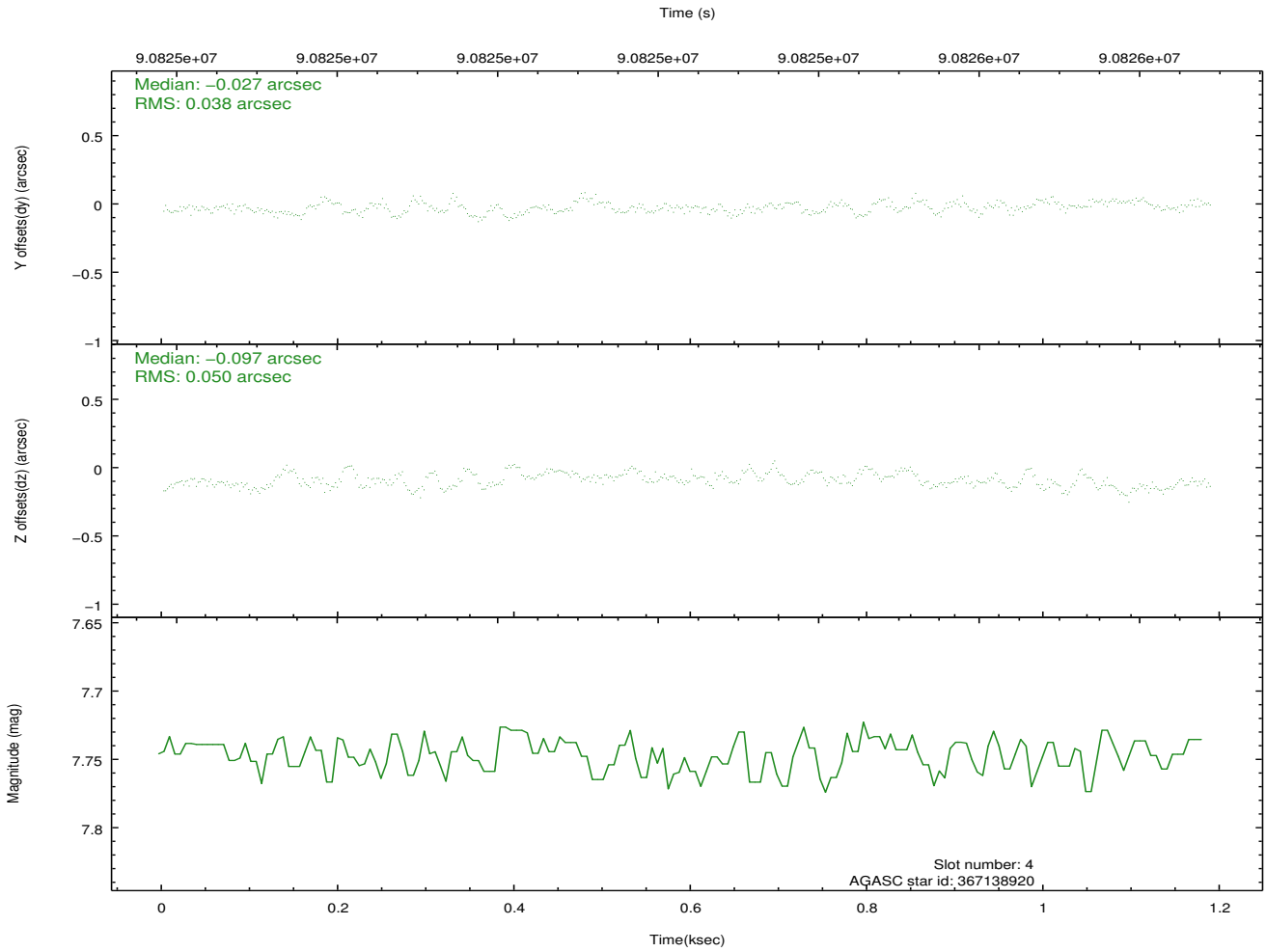
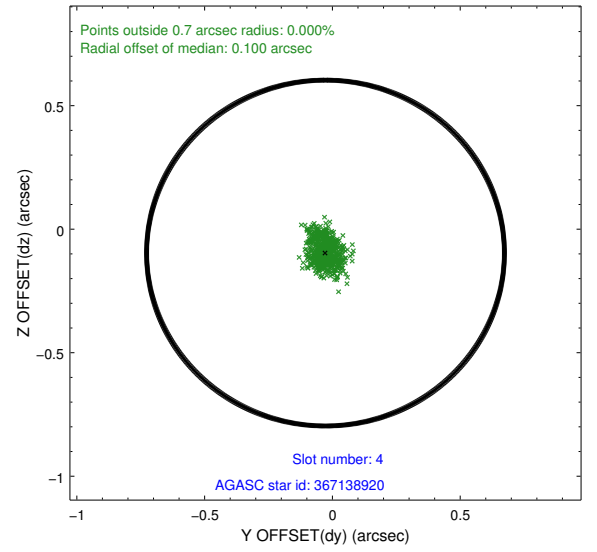
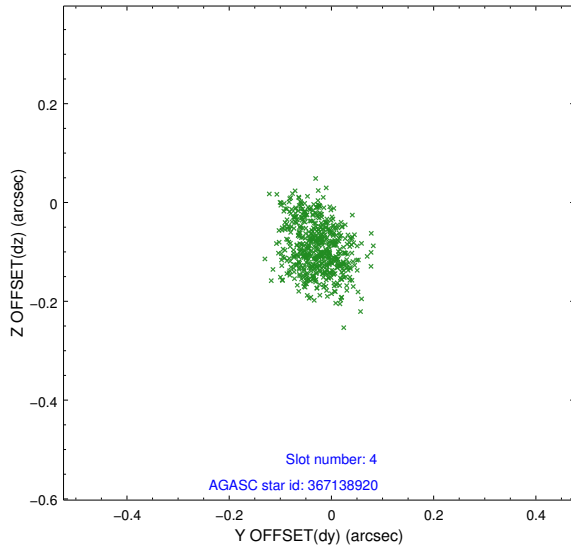


## 2.4 Star Slots

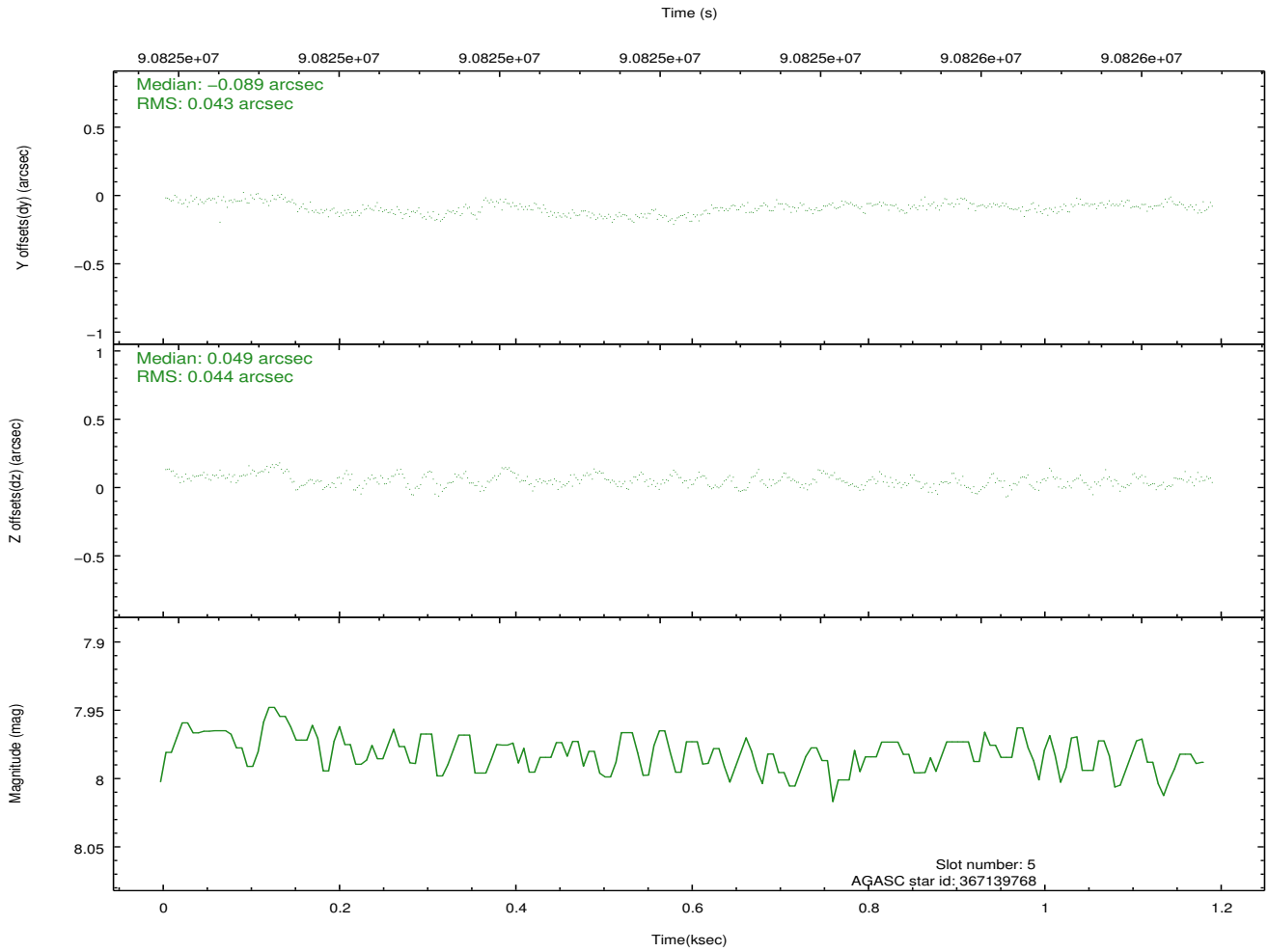
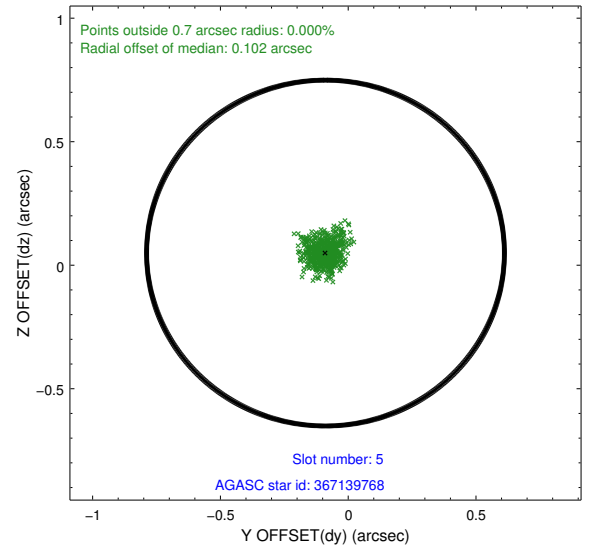
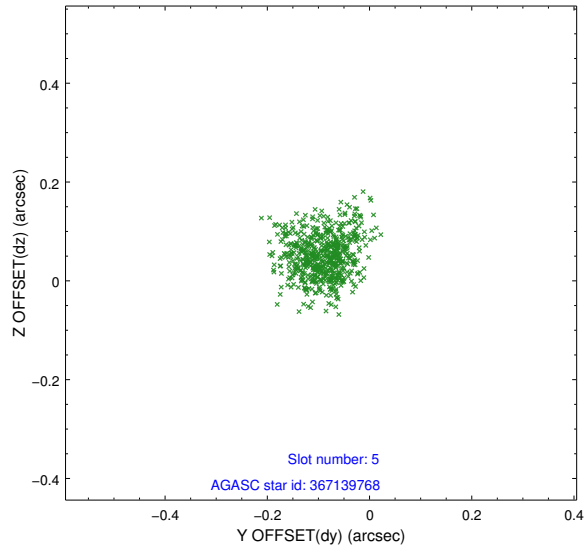
### 2.4.1 Slot 3



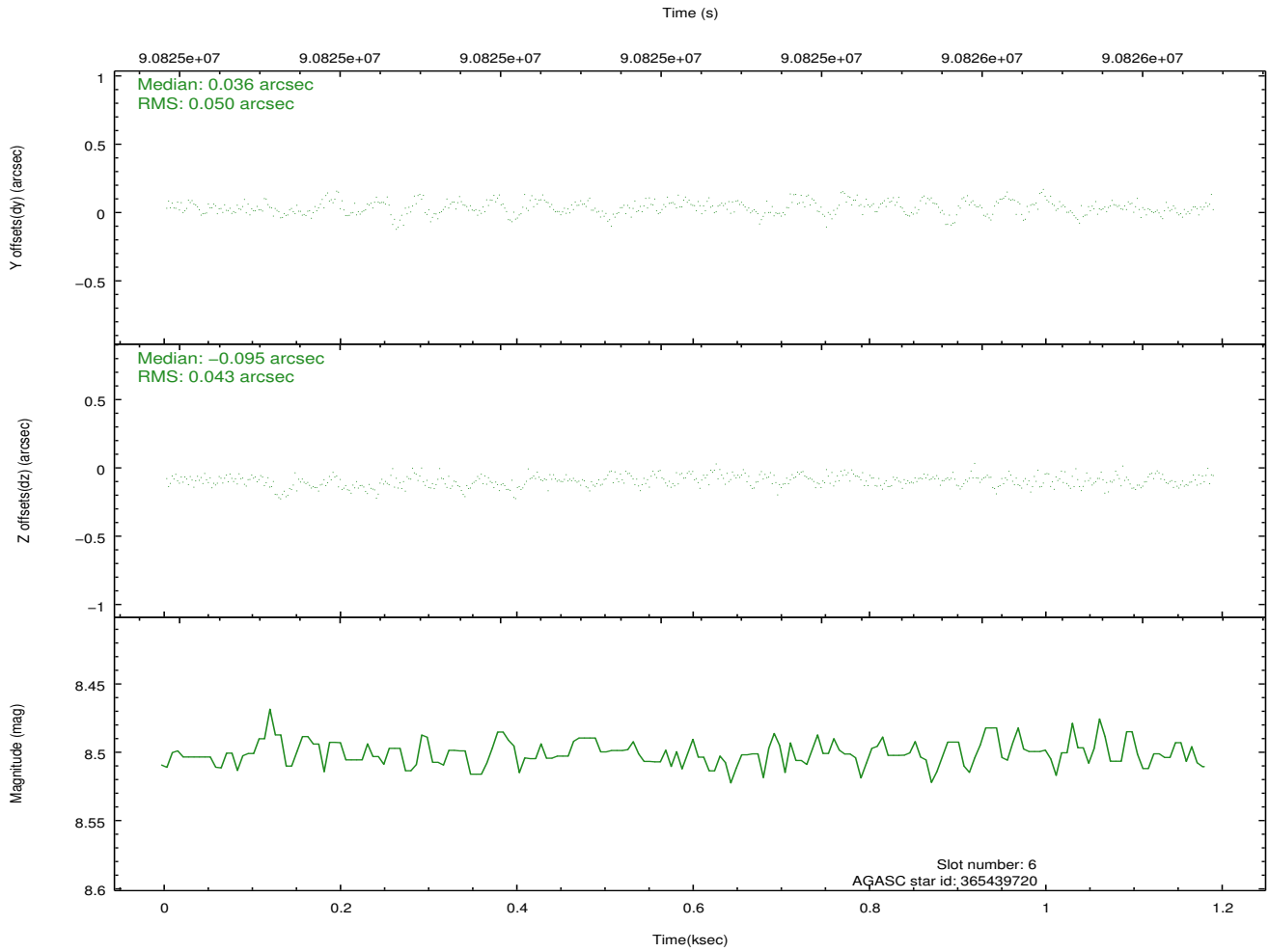
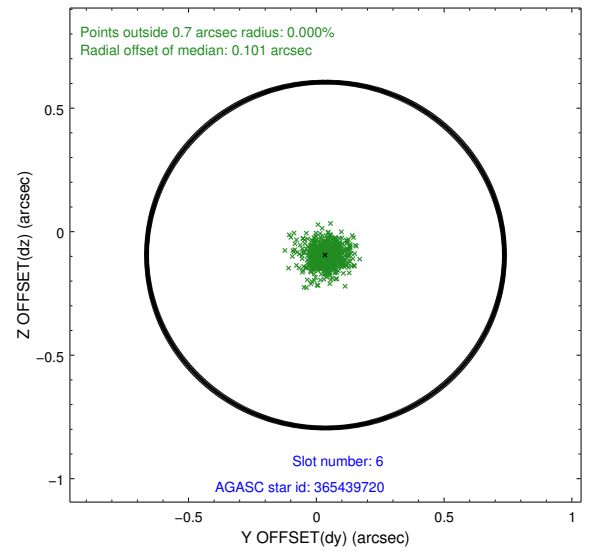
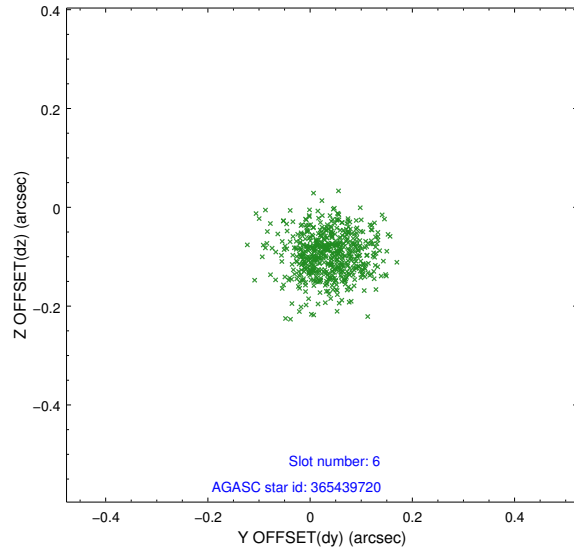
## 2.4.2 Slot 4



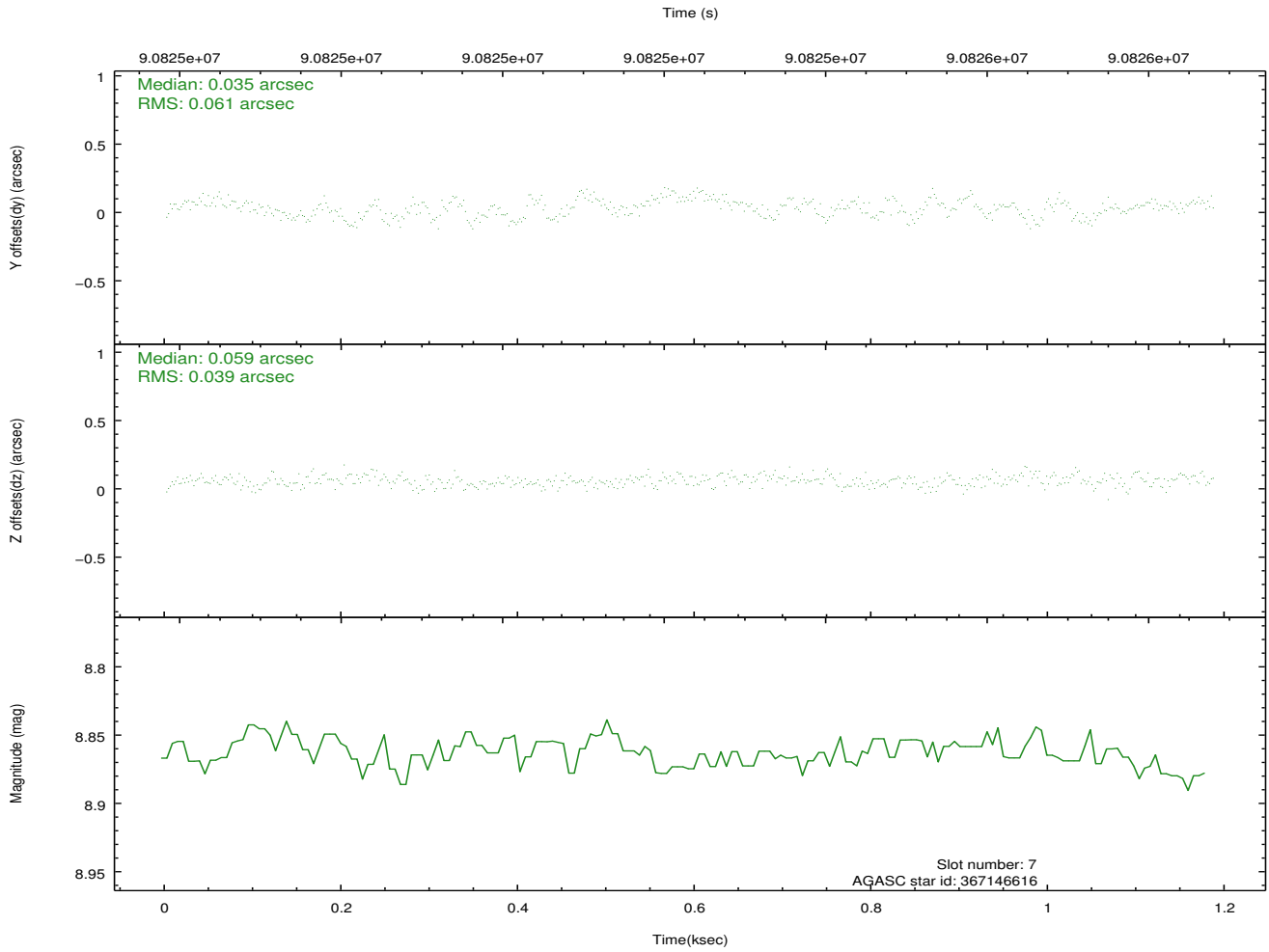
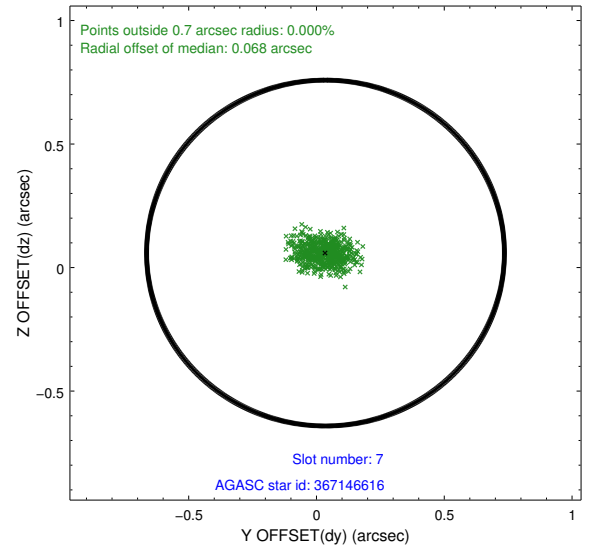
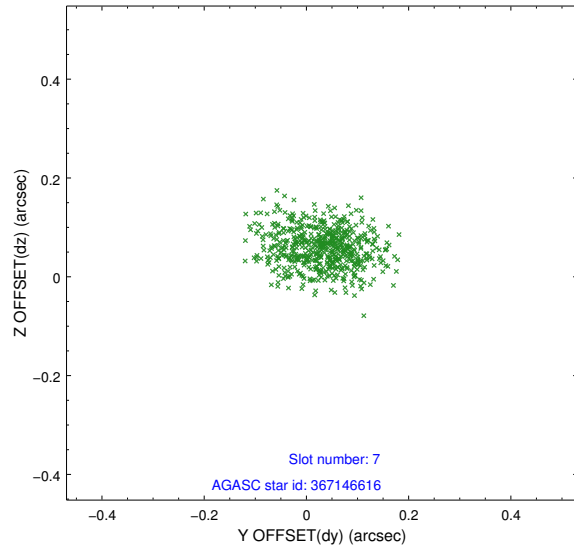
### 2.4.3 Slot 5



## 2.4.4 Slot 6

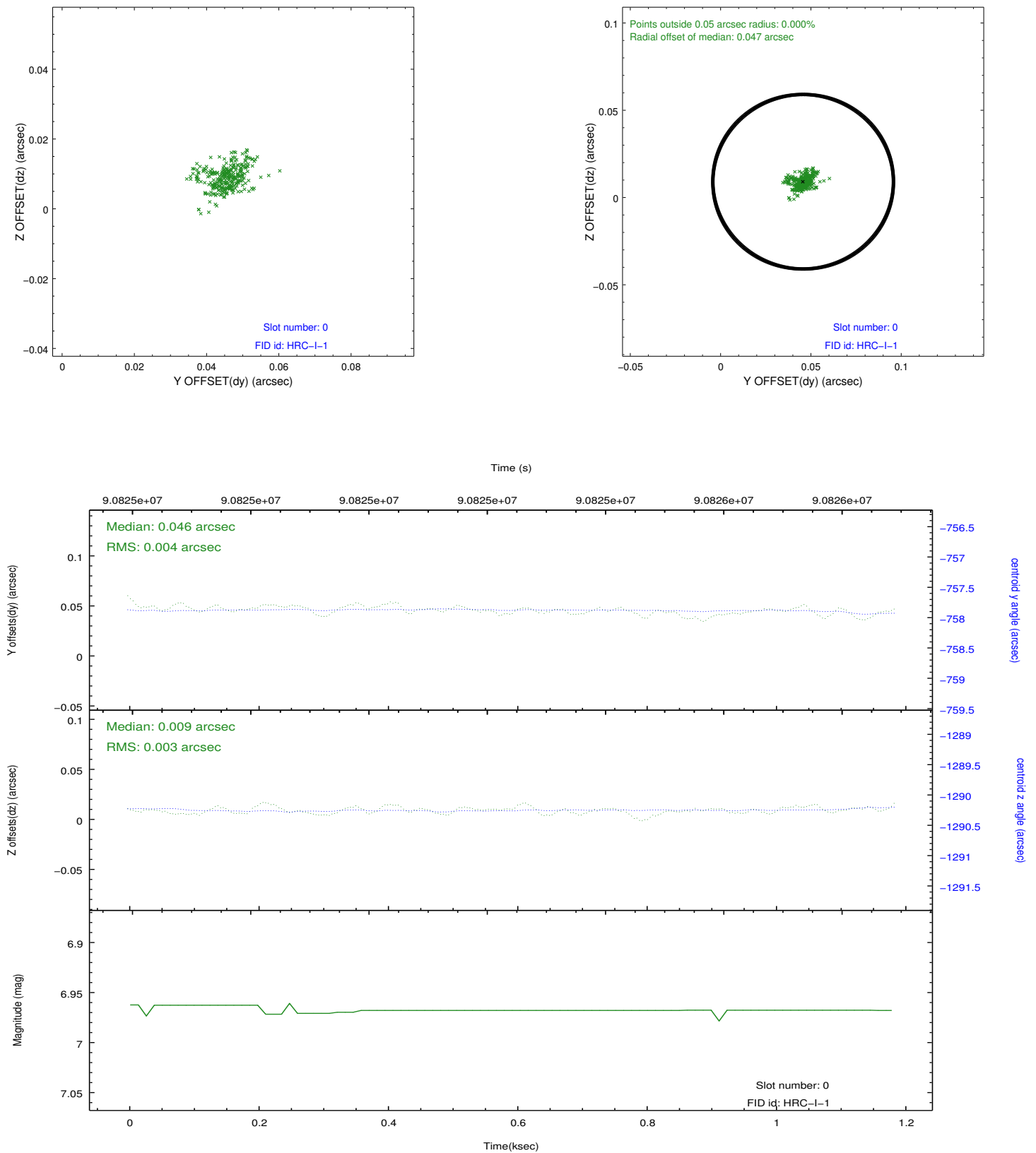


## 2.4.5 Slot 7

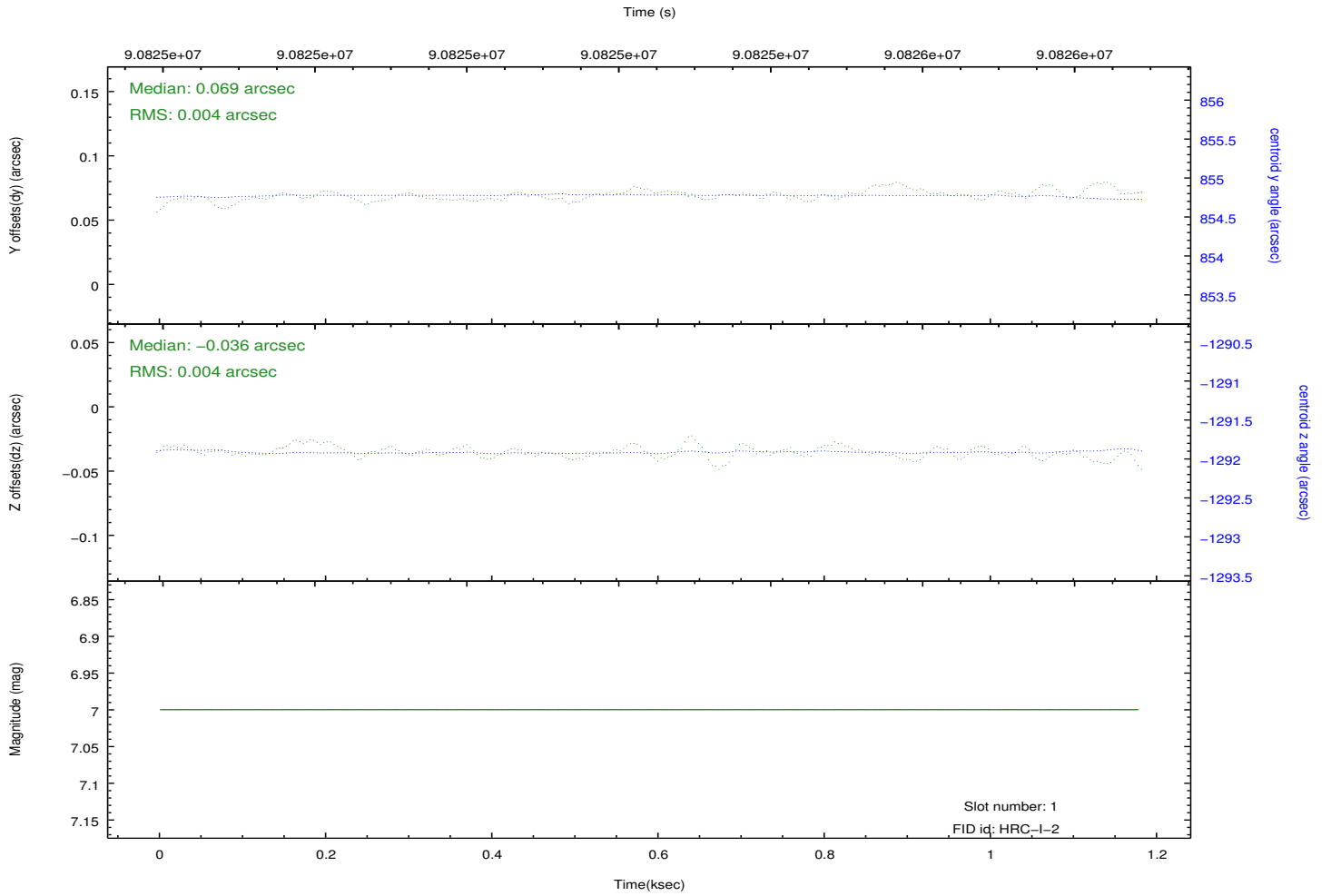
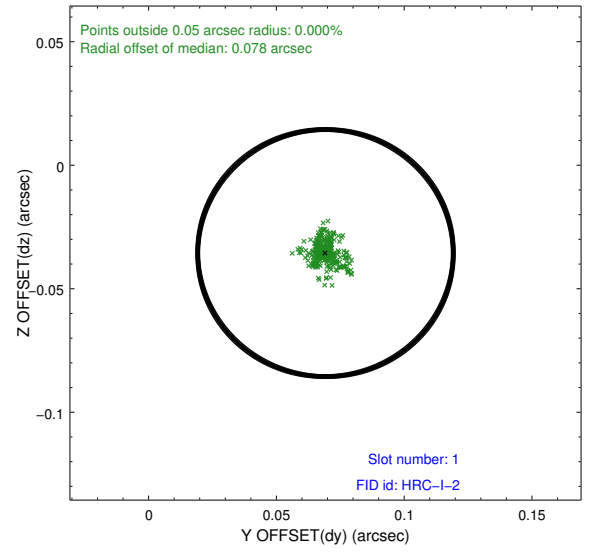
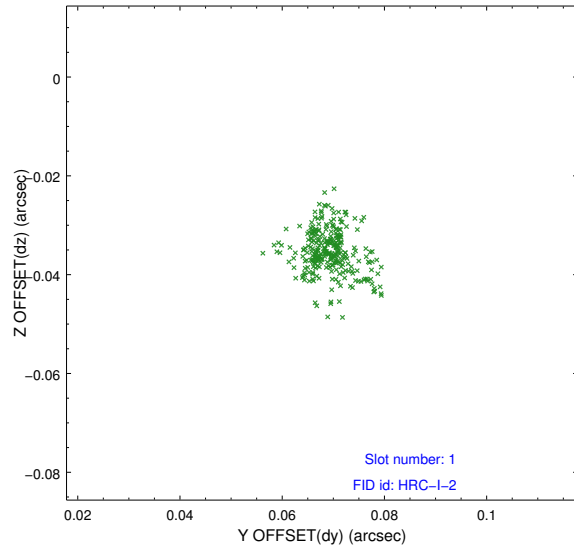


## 2.5 FID Slots

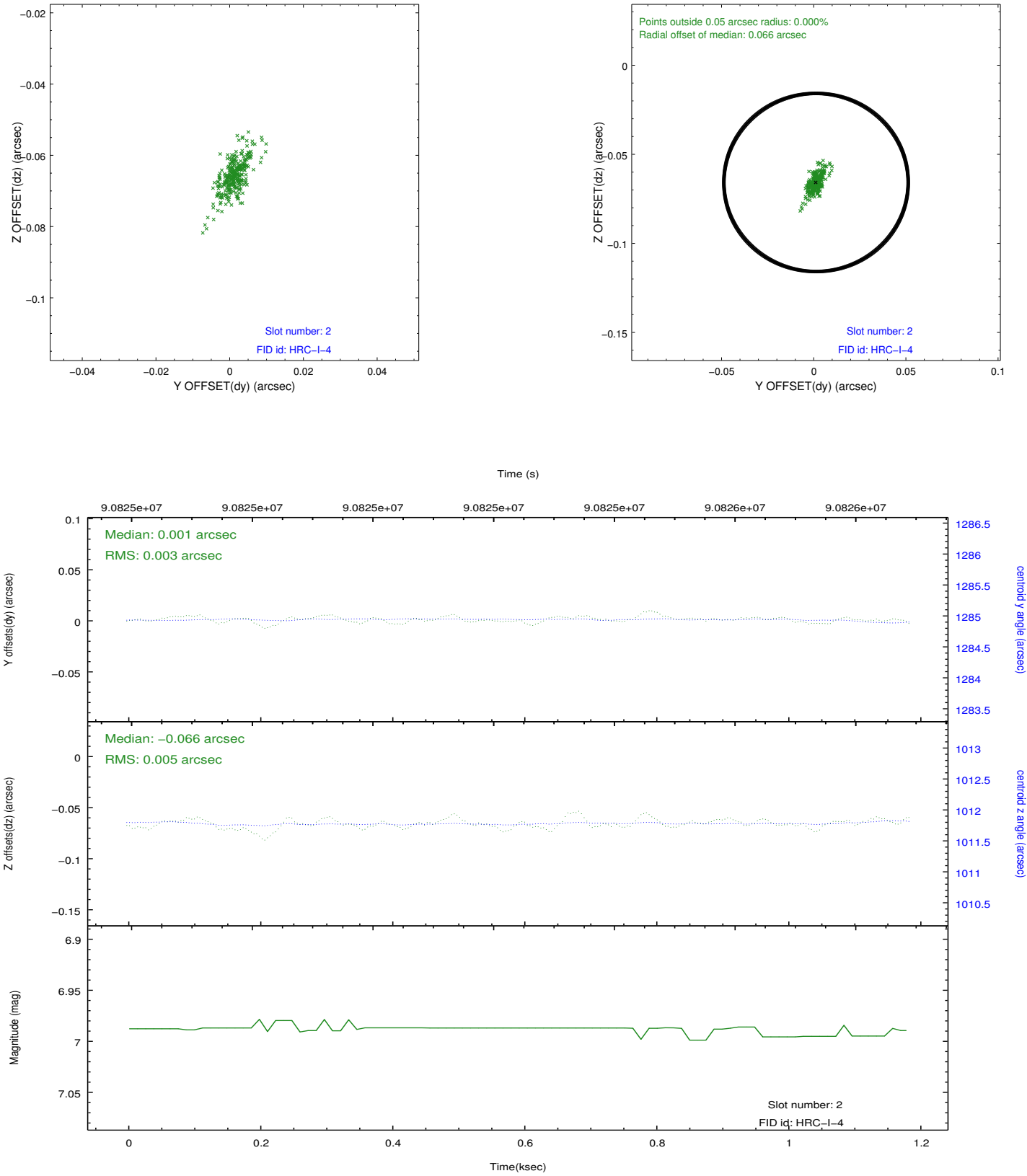
### 2.5.1 Slot 0



## 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)	2012.09.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.186

### A.2 Comments