

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 259 - L2 Version 6  
Chandra X-Ray Center

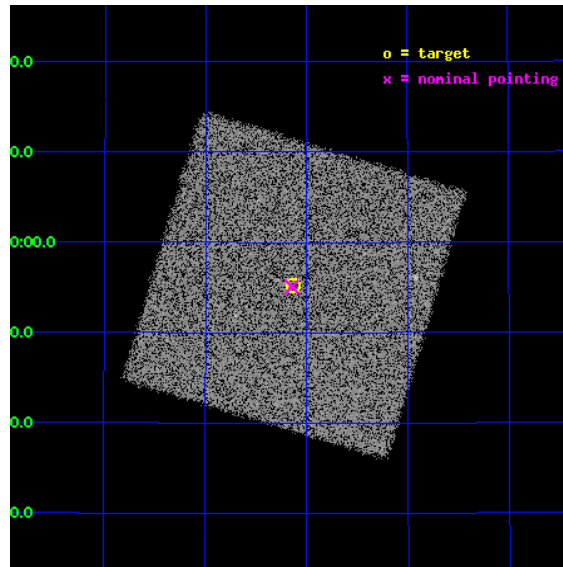
L2 Processing Date : Aug 24 2012

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# 1 Front

seq_num	600019	Sequence number
obs_id	259	Observation id
title	MONITORING M31	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	M31 - South 1	Source name
ra_targ	10.533333	Observer's specified target RA [deg]
dec_targ	40.921389	Observer's specified target Dec [deg]
ra_nom	10.536431907952	Nominal RA [deg]
dec_nom	40.918122524354	Nominal Dec [deg]
roll_nom	331.72125078417	Nominal Roll [deg]
revision	6	Processing version of data
ontime	2485.8813408017	[s]
livetime	2472.3017727063	Ontime multiplied by DTCOR
l2events	64945	Number of level 2 events

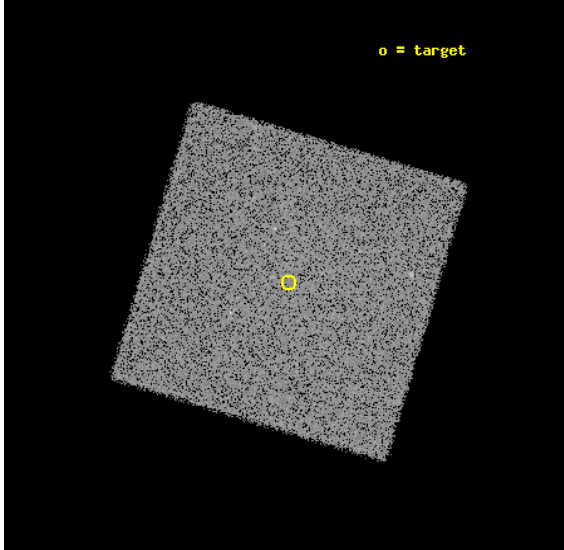


## 2 OBI

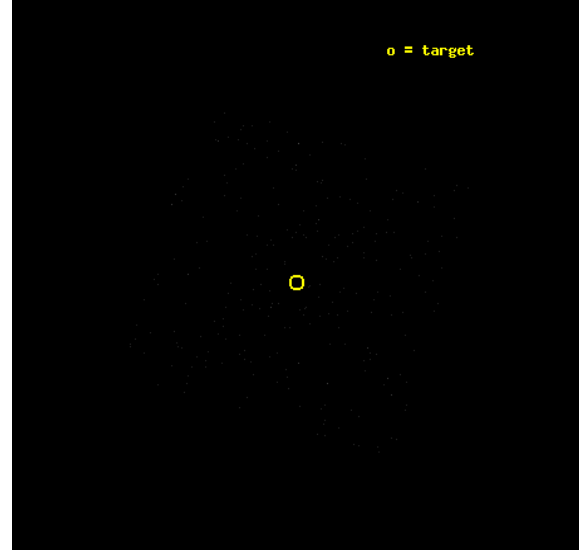
### 2.1 OBI

#### 2.1.1 Images

Level 1 Image



Level 1 Bad Events



### 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	2485.8813408017	[s]
caldbver	4.5.1.1	&#160	l1events	112187	Number of level 1 events
date	2012-08-24T04:29:28	Date and time of file creation			
revision	6	Processing version of data			

### 2.1.3 Events

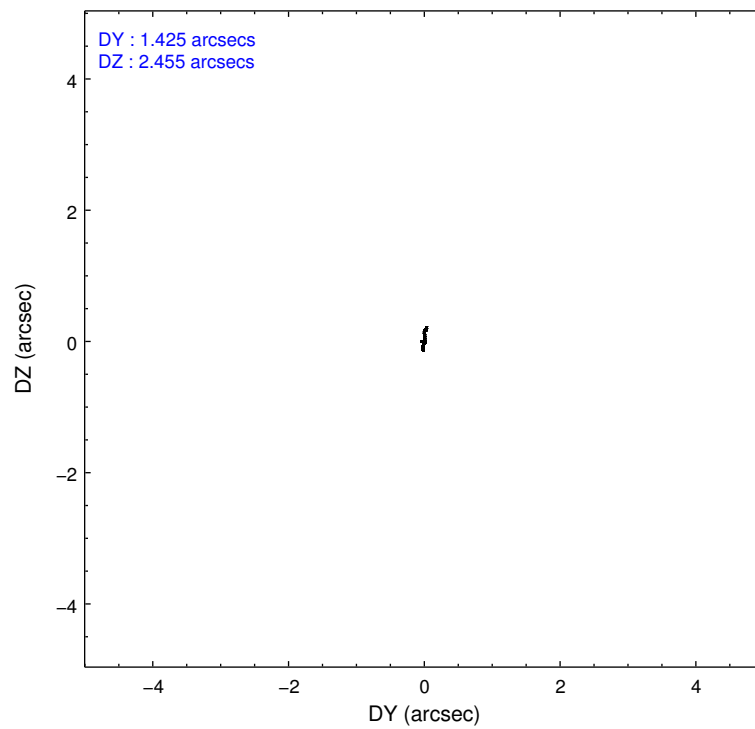
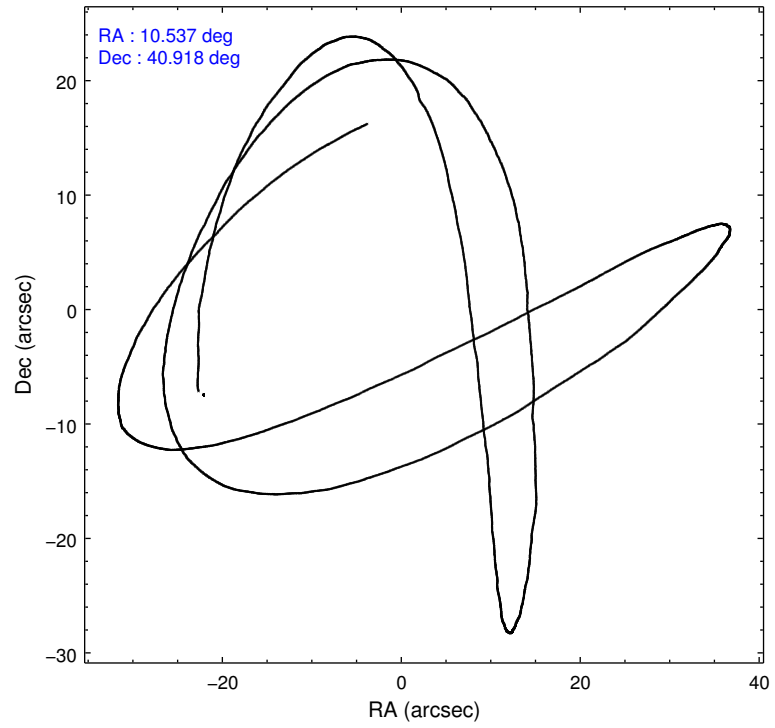
#### Level 1 Events

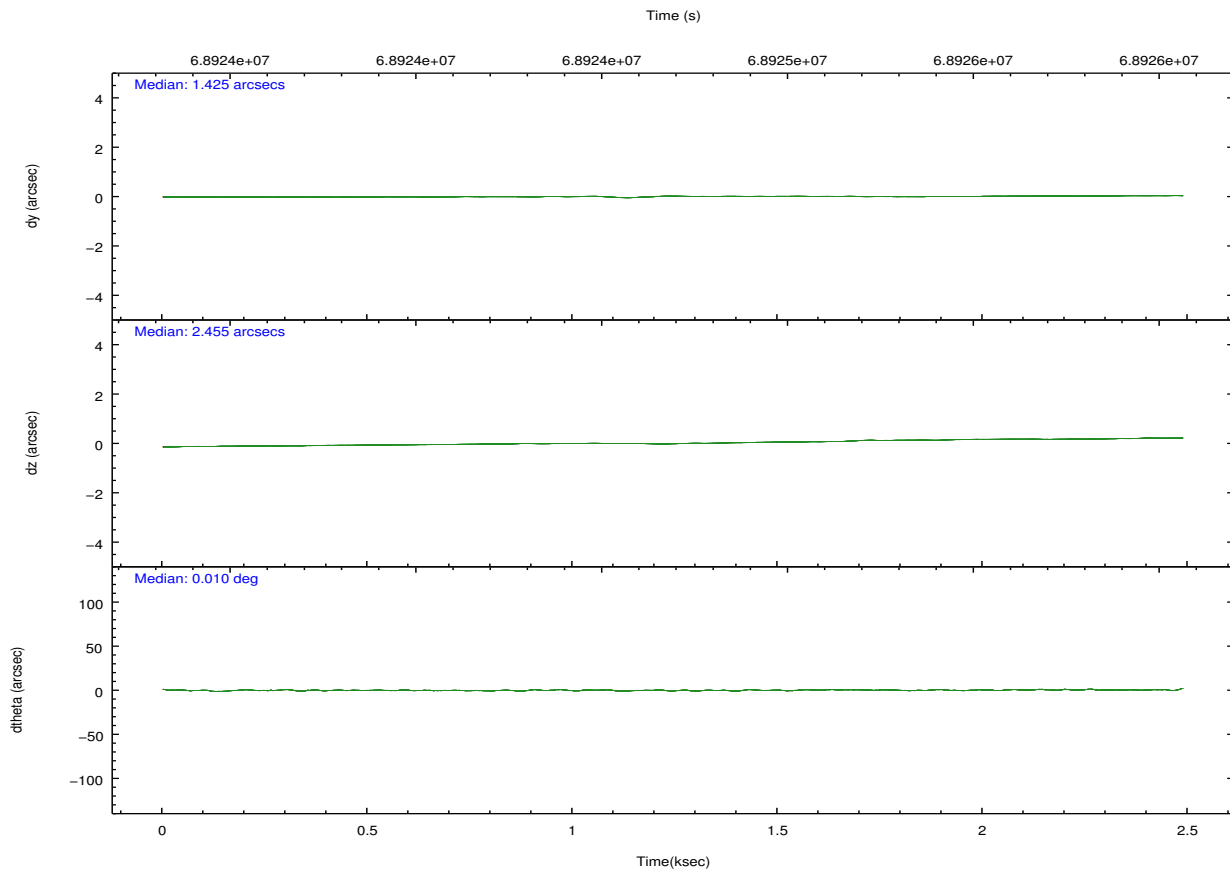
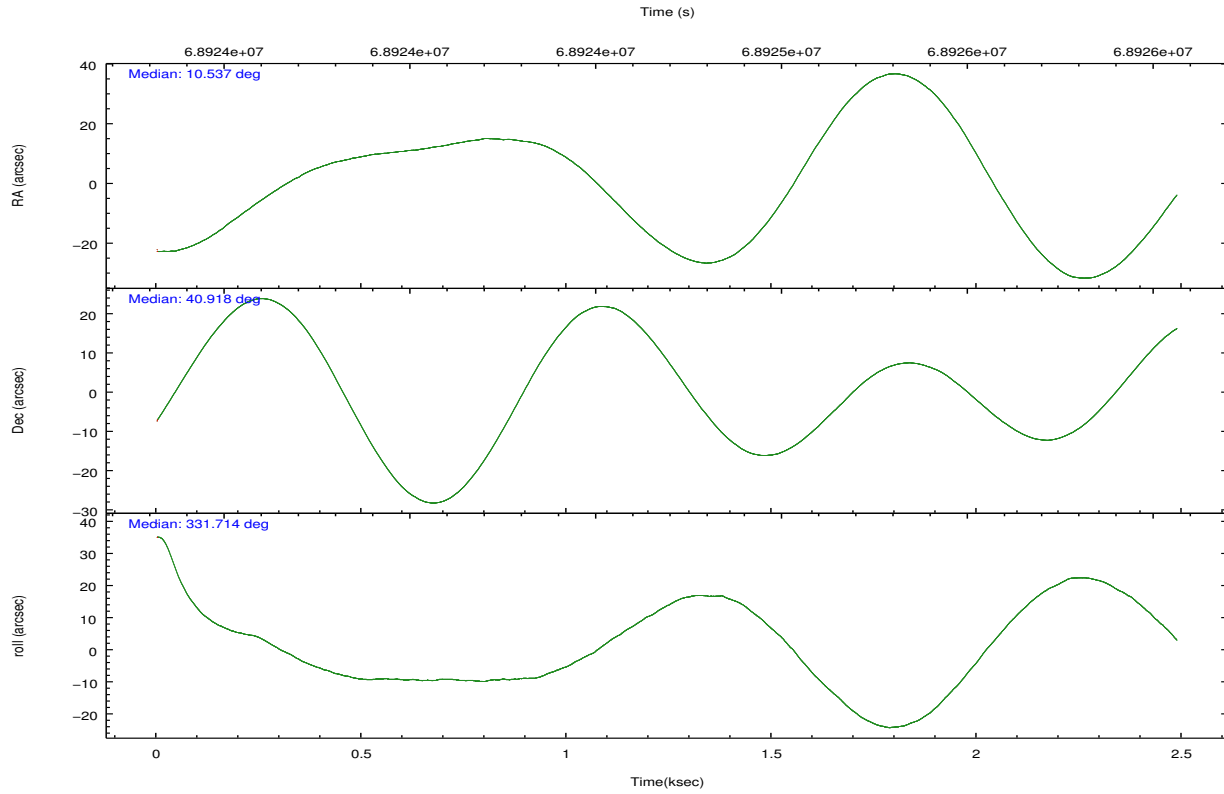
	<b>segment 0</b>
level 1 events	112187
rejected events	12418
rejected %	11%

## 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	10.500984	10.53643190795186			
[deg] Pointing Dec	40.916701	40.918122524354			
[deg] Pointing Roll	331.839872	331.7212507841661			
[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)	68923938.184000	68923272.177285			
Observation start date	2000-03-08T17:31:14	2000-03-08T17:21:12			
[s] Observation end time (MET)	68925938.184000	68926071.96488699			
Observation end date	2000-03-08T18:04:34	2000-03-08T18:07:51			

## 2.3 Aspect



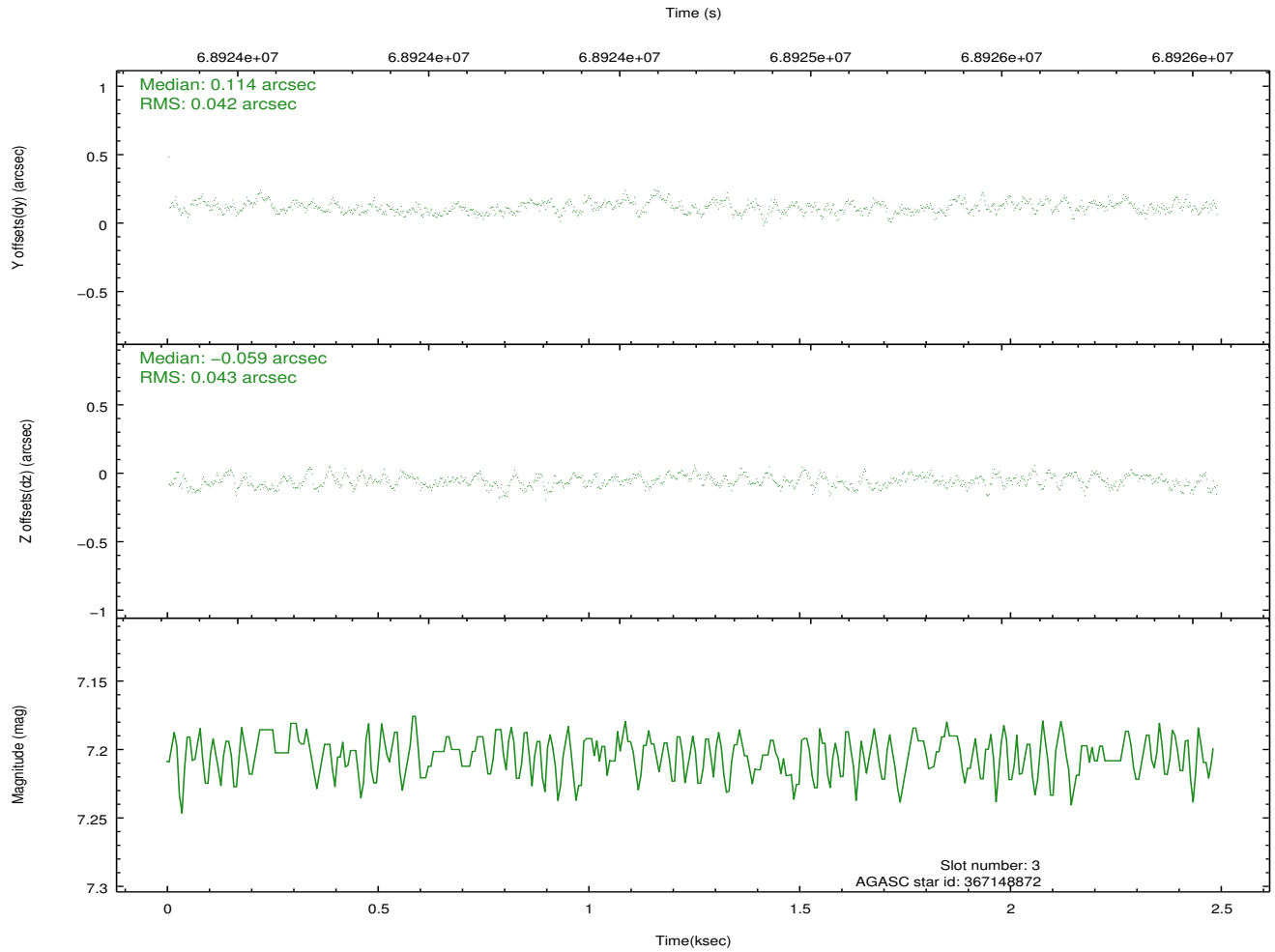
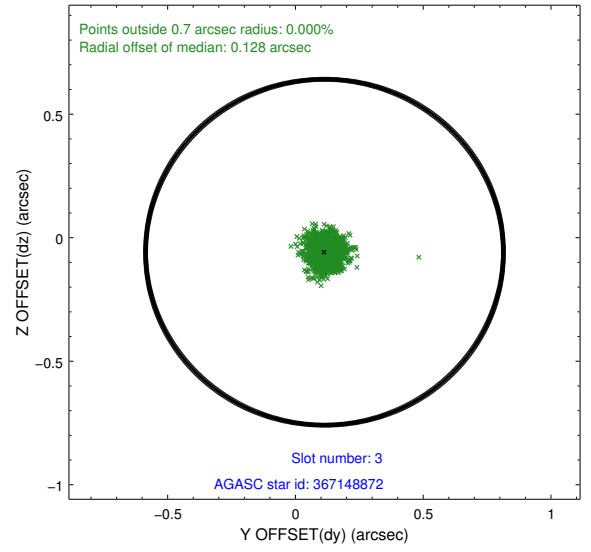
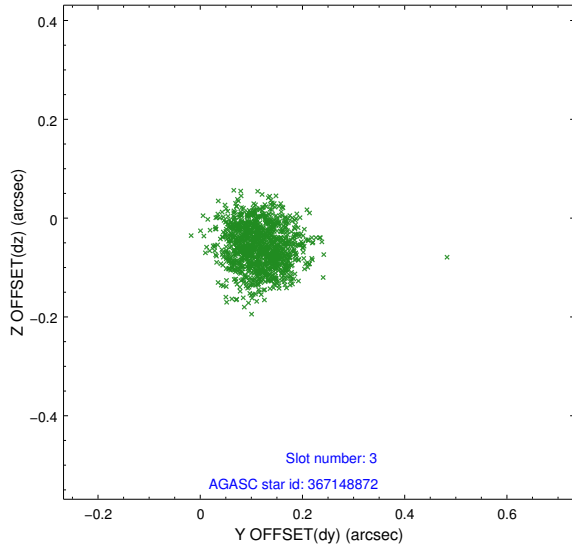


### Slot Statistics

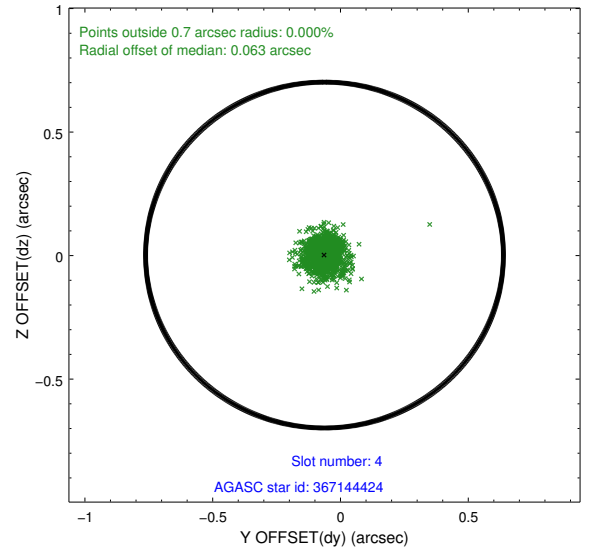
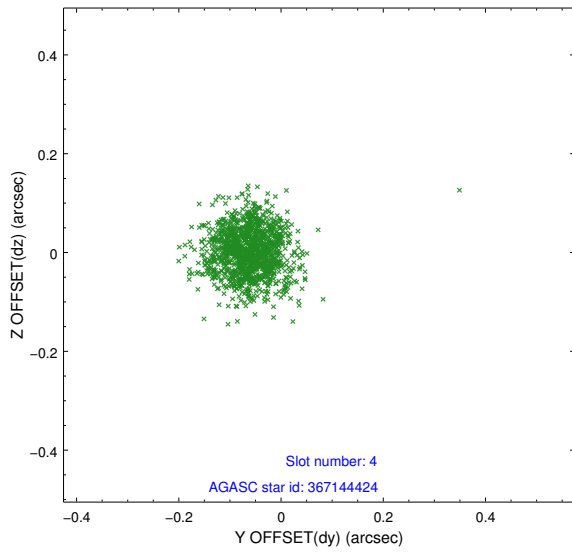
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	6.98	607	0.056	-0.029	0.008	0.013	0.000000	0.000000	855.80	-1291.87
1	FID	HRC-I-3	7.02	607	0.041	-0.014	0.006	0.010	0.000000	0.000000	-1183.87	1012.20
2	FID	HRC-I-4	6.97	607	0.022	-0.044	0.007	0.011	0.000000	0.000000	1284.02	1013.51
3	GUIDE	367148872	7.20	1214	0.114	-0.059	0.064	0.100	10.505940	40.688258	403.11	-718.97
4	GUIDE	367144424	8.66	1214	-0.063	0.002	0.067	0.108	10.464515	40.309136	947.35	-1976.34
5	GUIDE	367146616	8.86	1214	0.071	0.058	0.074	0.120	11.418645	41.190163	1724.50	2051.09
6	GUIDE	367665472	9.51	1212	-0.095	0.064	0.123	0.193	10.241611	41.730843	-1994.18	2257.31
7	GUIDE	365442120	9.82	1211	-0.031	-0.074	0.105	0.169	9.743696	40.631177	-1341.80	-1873.40

## 2.4 Star Slots

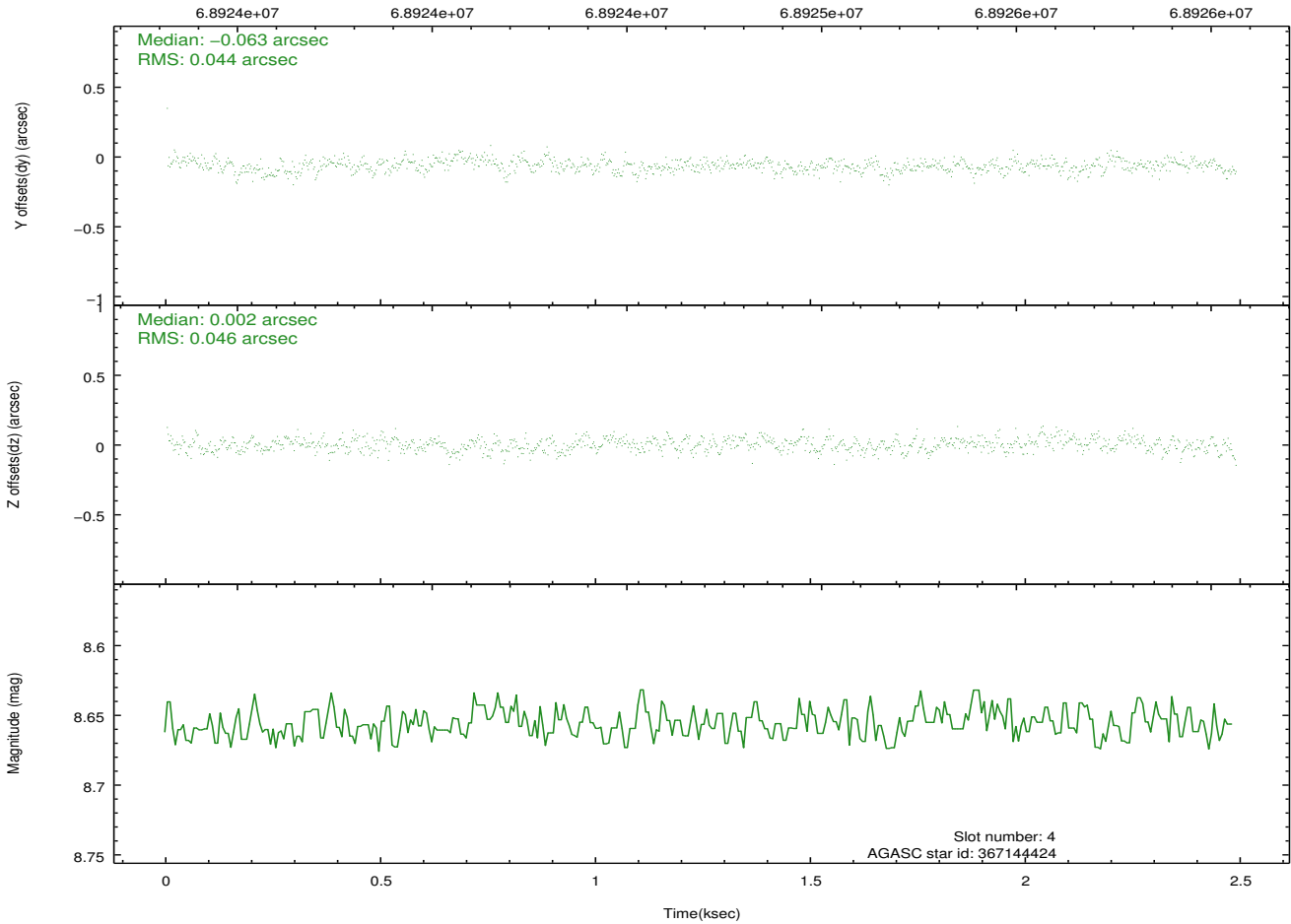
### 2.4.1 Slot 3



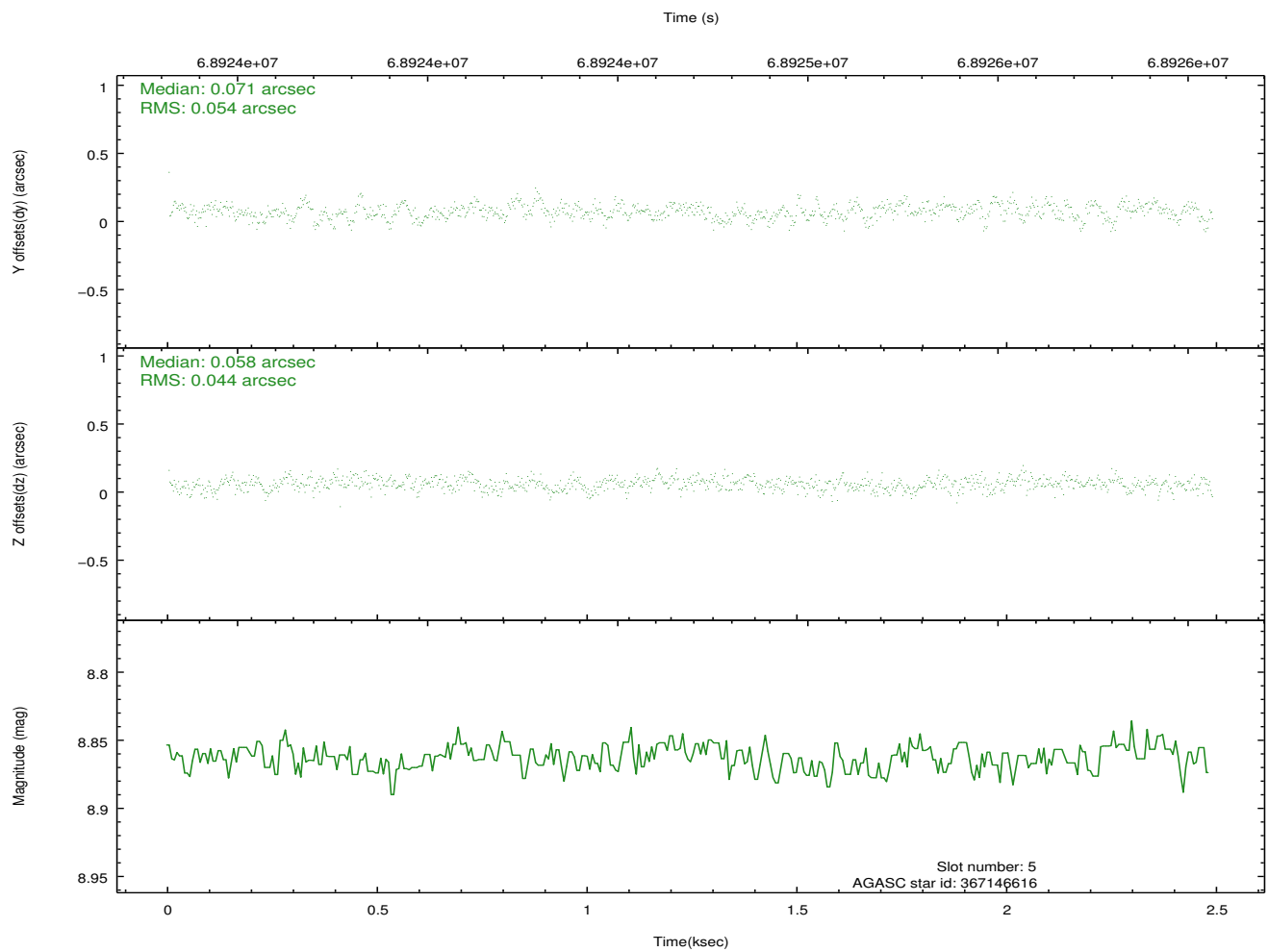
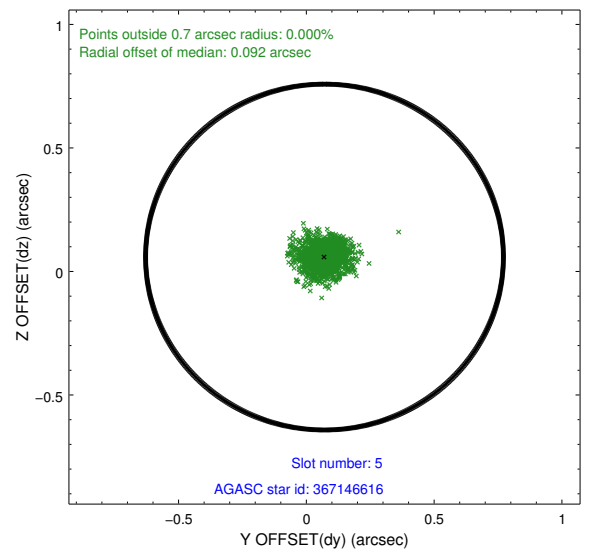
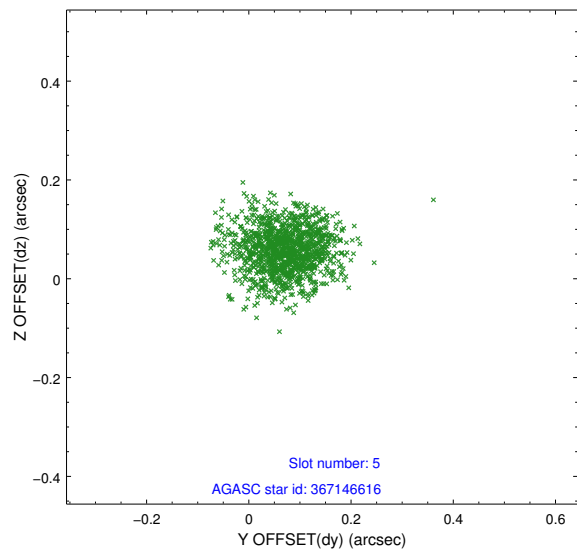
### 2.4.2 Slot 4



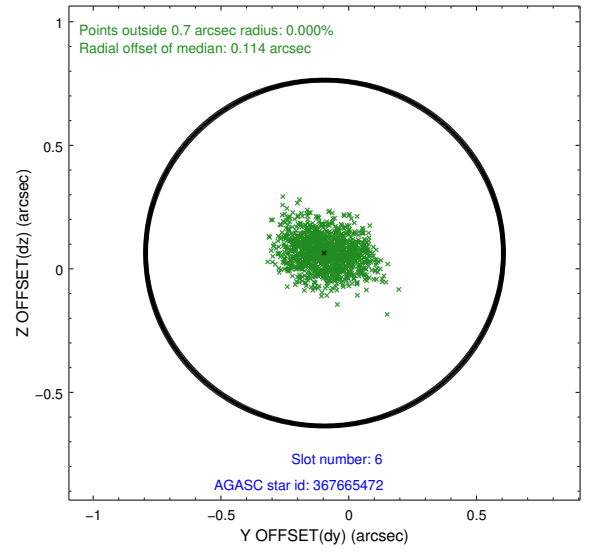
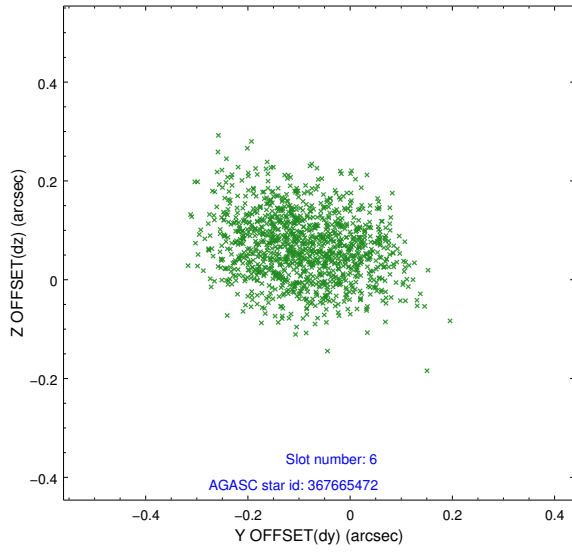
Time (s)



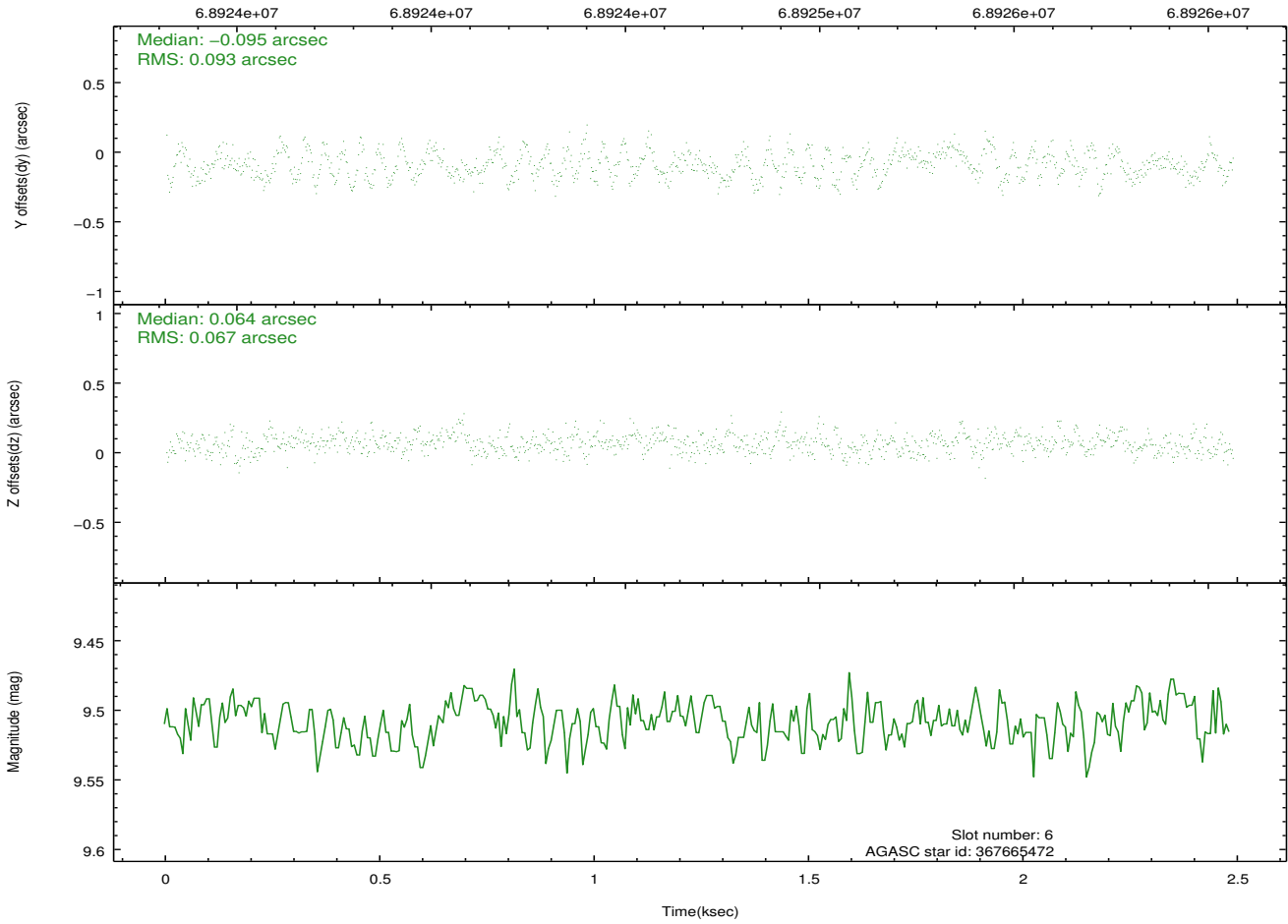
### 2.4.3 Slot 5



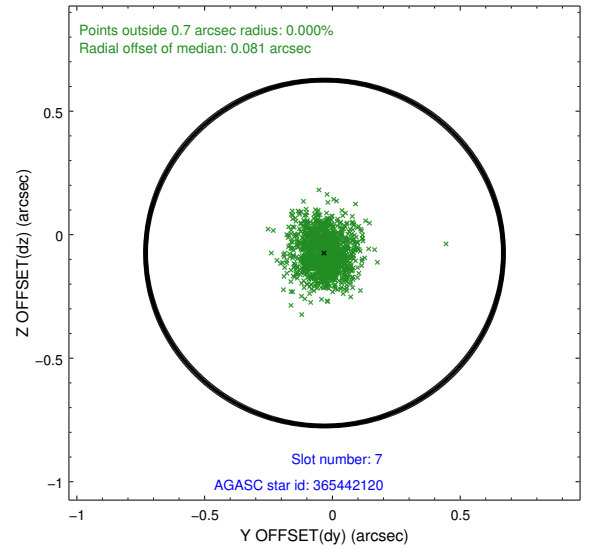
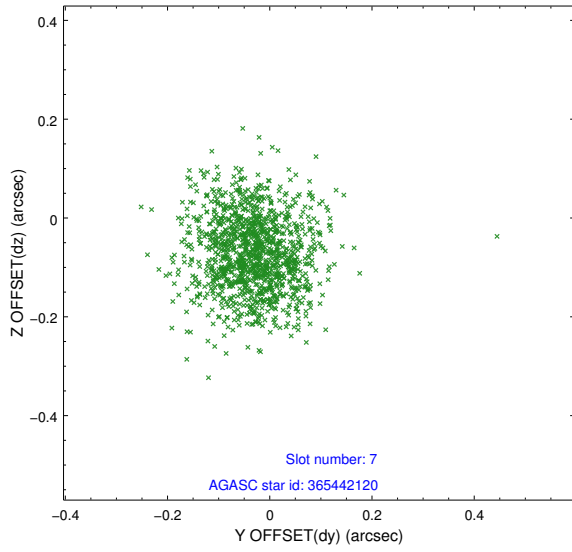
### 2.4.4 Slot 6



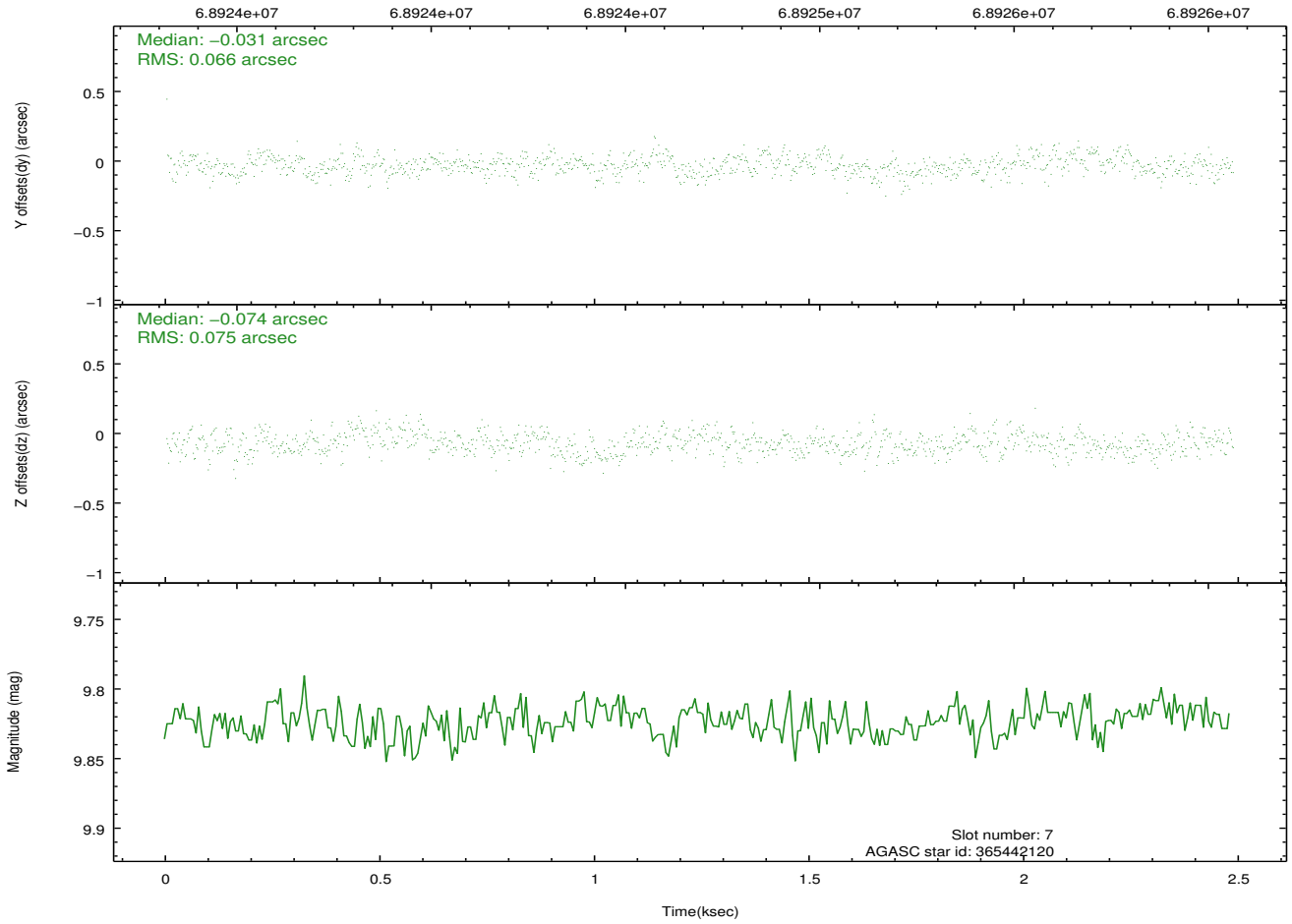
Time (s)



### 2.4.5 Slot 7

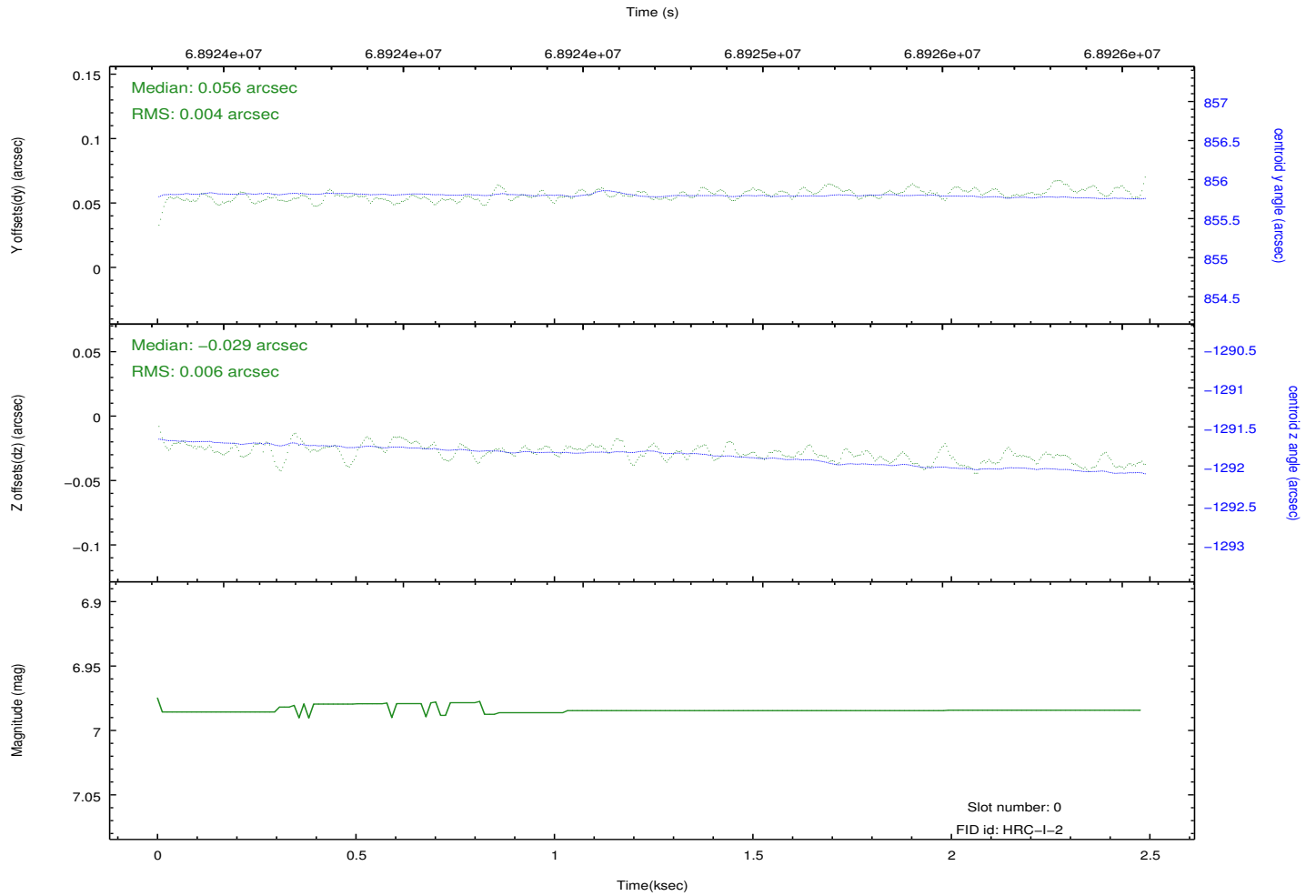
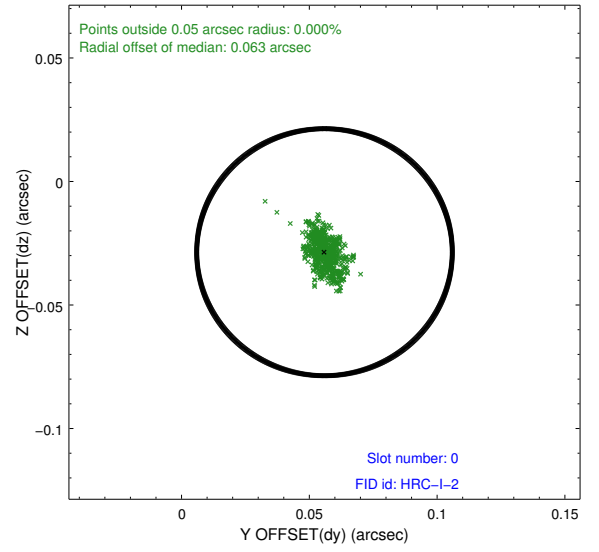
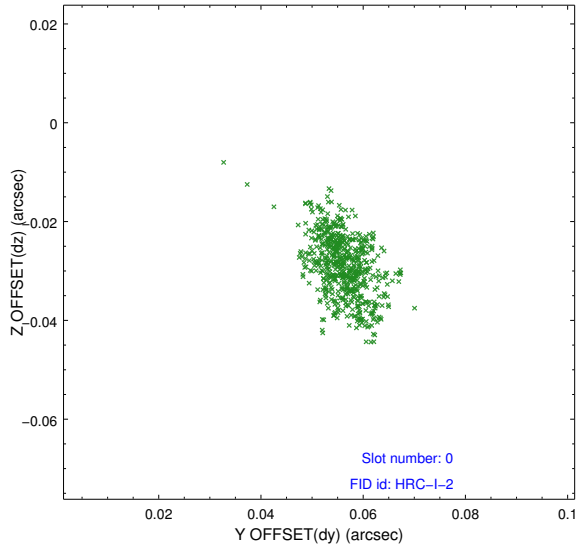


Time (s)

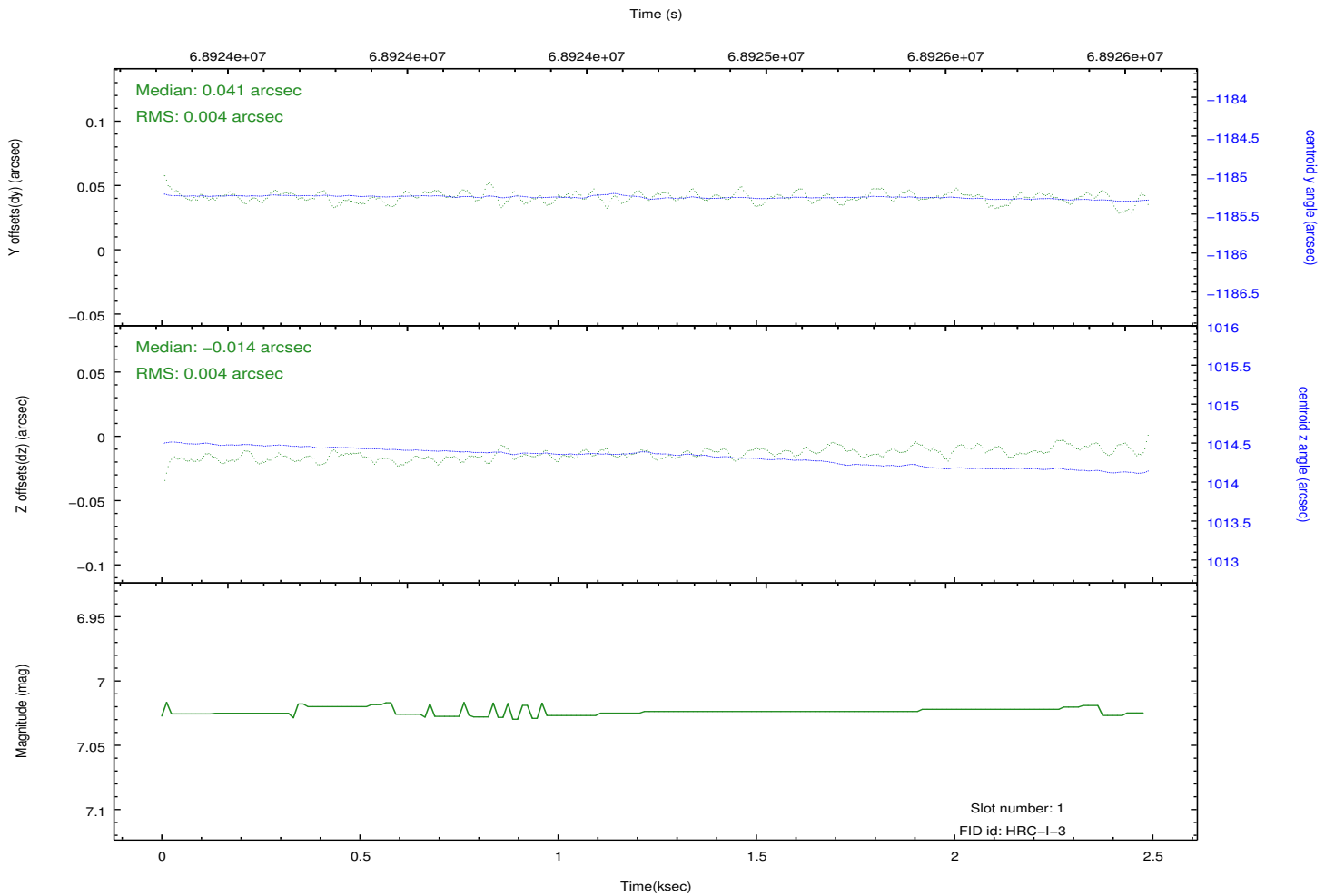
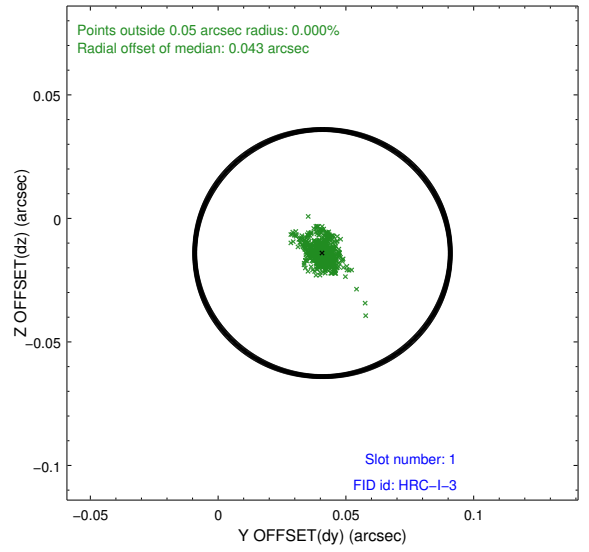
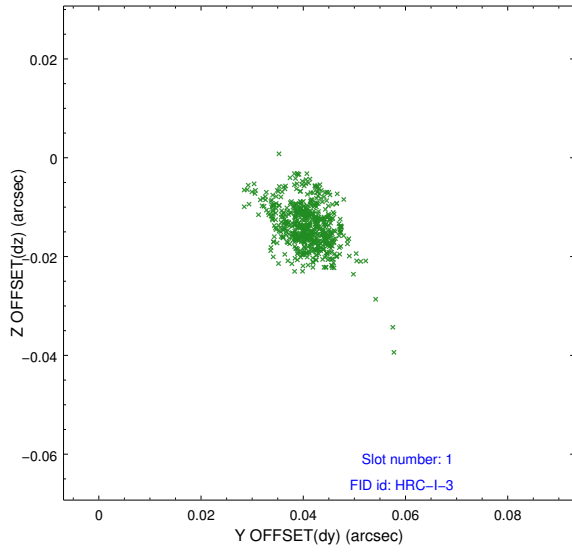


## 2.5 FID Slots

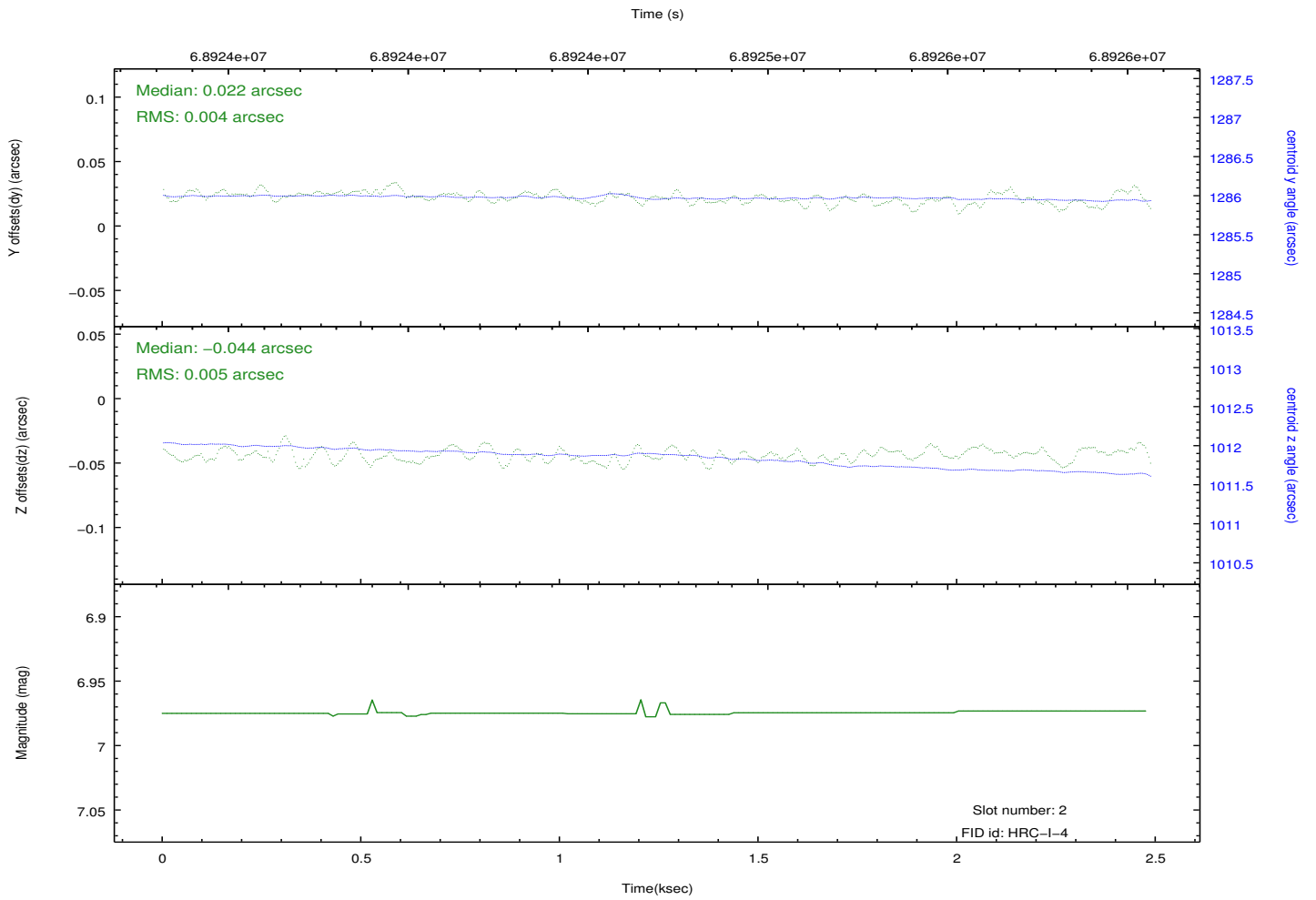
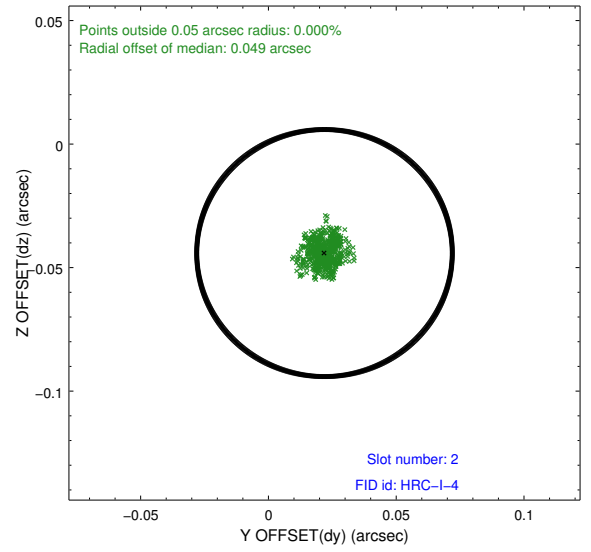
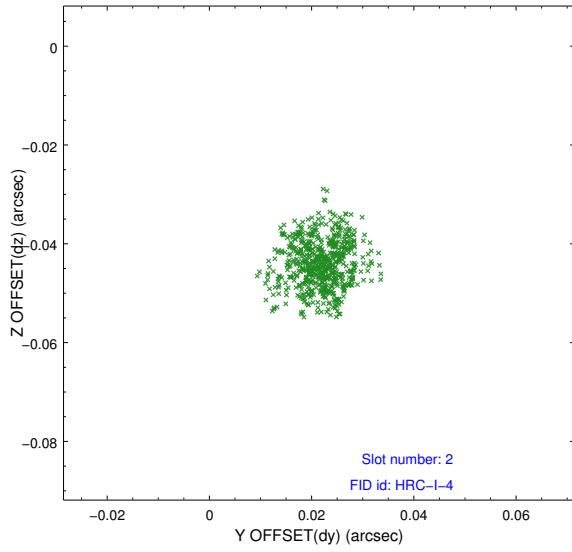
### 2.5.1 Slot 0



## 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)	2012.08.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.486

## A.2 Comments