

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 6083 - L2 Version 4  
Chandra X-Ray Center

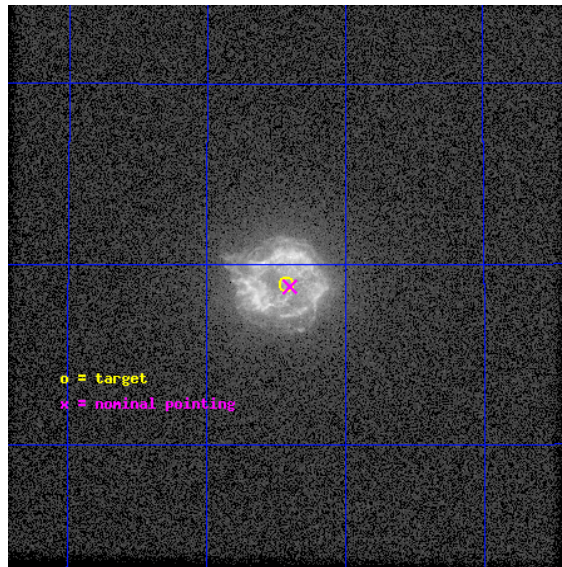
L2 Processing Date : Dec 30 2012

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# 1 Front

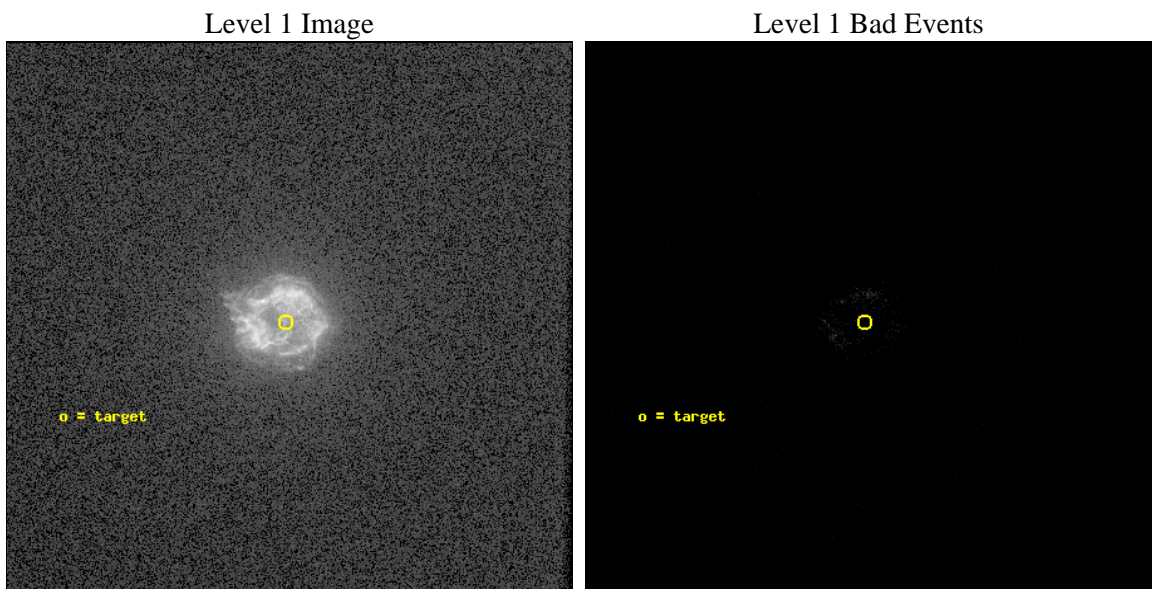
seq_num	590410	Sequence number
obs_id	6083	Observation id
title	AO6B Observations of the Standard Candles Cas A and G21.5-09	Propo
observer	Dr. CXC Calibration	Principal investigator
object	Cas A	Source name
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.85021349961	Nominal RA [deg]
dec_nom	58.812941377674	Nominal Dec [deg]
roll_nom	225.94579464655	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5149.8564873338	[s]
livetime	5078.2776759867	Ontime multiplied by DTCOR
l2events	671095	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	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	5149.8564873338	[s]
caldbver	4.5.5	&#160	l1events	812005	Number of level 1 events
date	2012-12-30T22:03:37	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

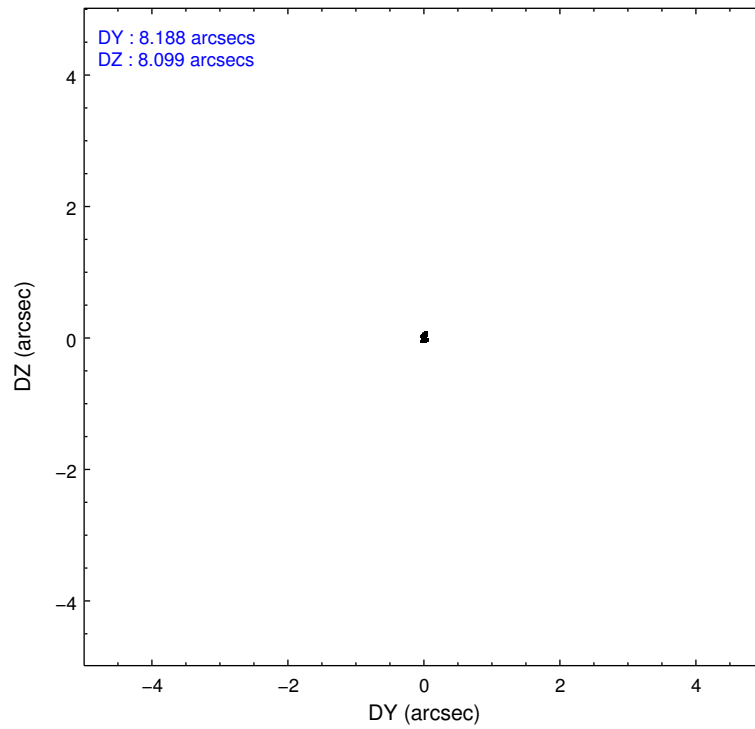
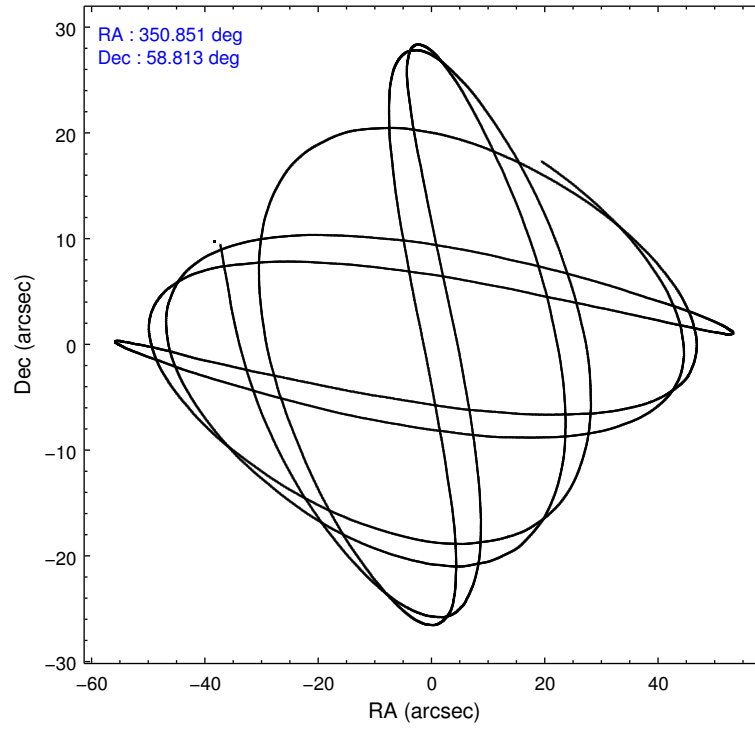
#### Level 1 Events

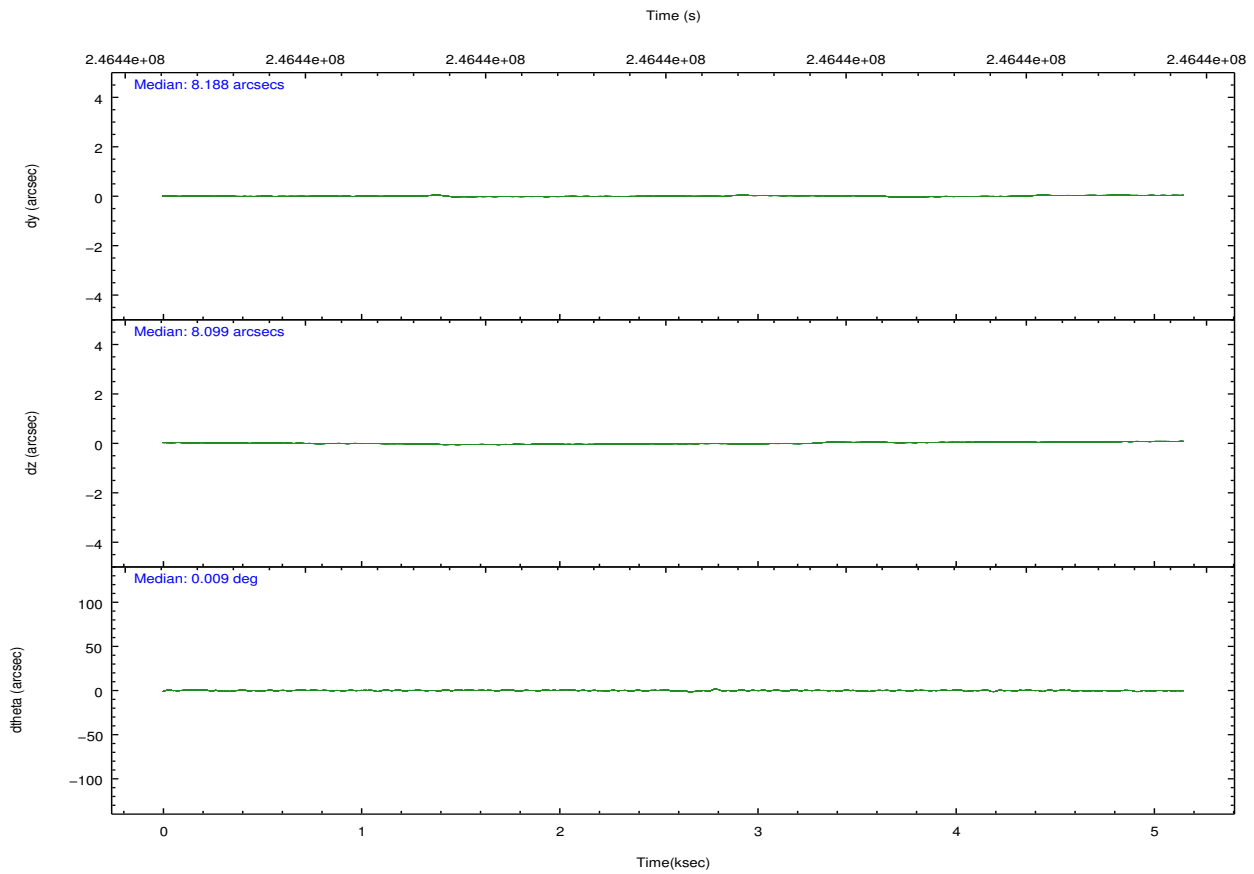
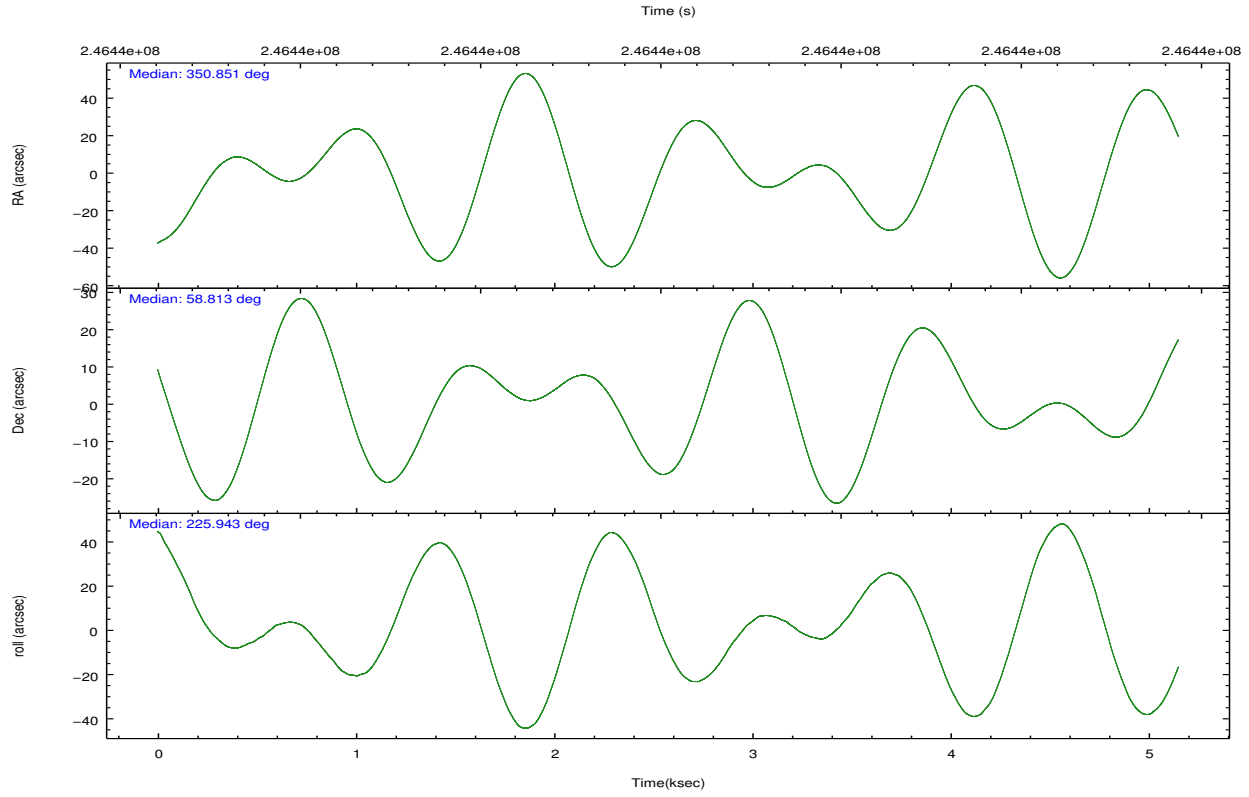
	<b>segment 0</b>
level 1 events	812005
rejected events	12558
rejected %	1%

## 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	350.861653	350.8502134996129			
[deg] Pointing Dec	58.839618	58.81294137767392			
[deg] Pointing Roll	226.031491	225.9457946465473			
[s] Window start time (MET)	241920064.184000	241920064.184000			
[s] Window stop time (MET)	249696064.184000	249696064.184000			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	246436612.184000	246436209.73759			
Observation start date	2005-10-23T06:35:48	2005-10-23T06:30:09			
[s] Observation end time (MET)	246441612.184000	246442505.28788			
Observation end date	2005-10-23T07:59:08	2005-10-23T08:15:05			

## 2.3 Aspect



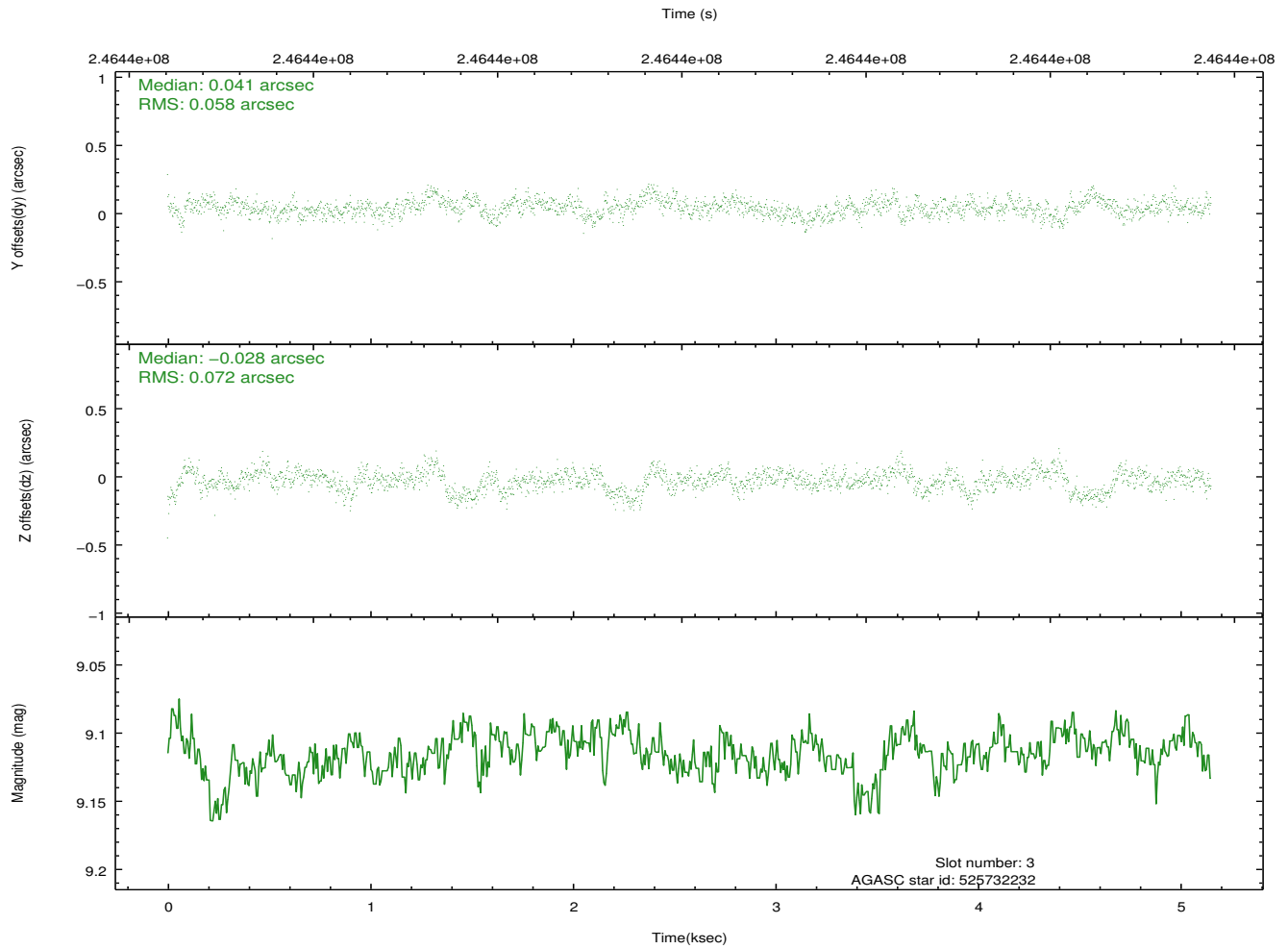
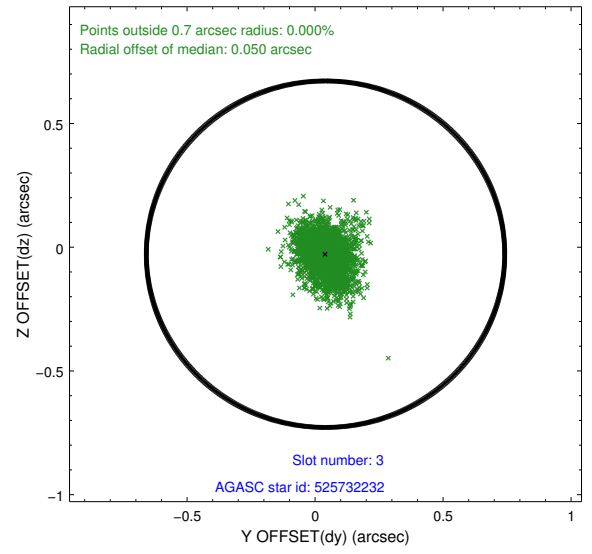
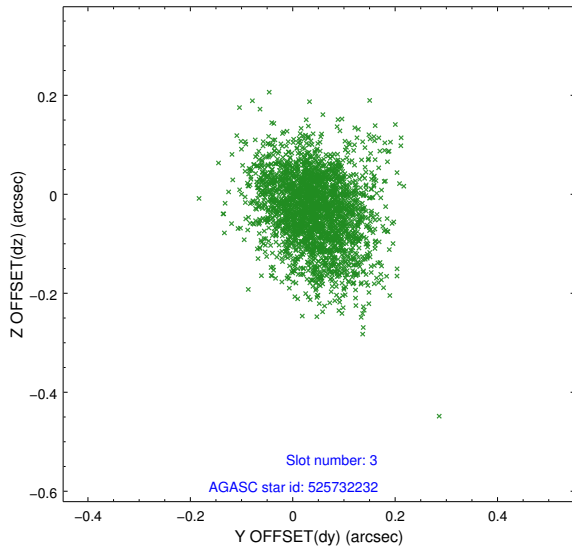


### Slot Statistics

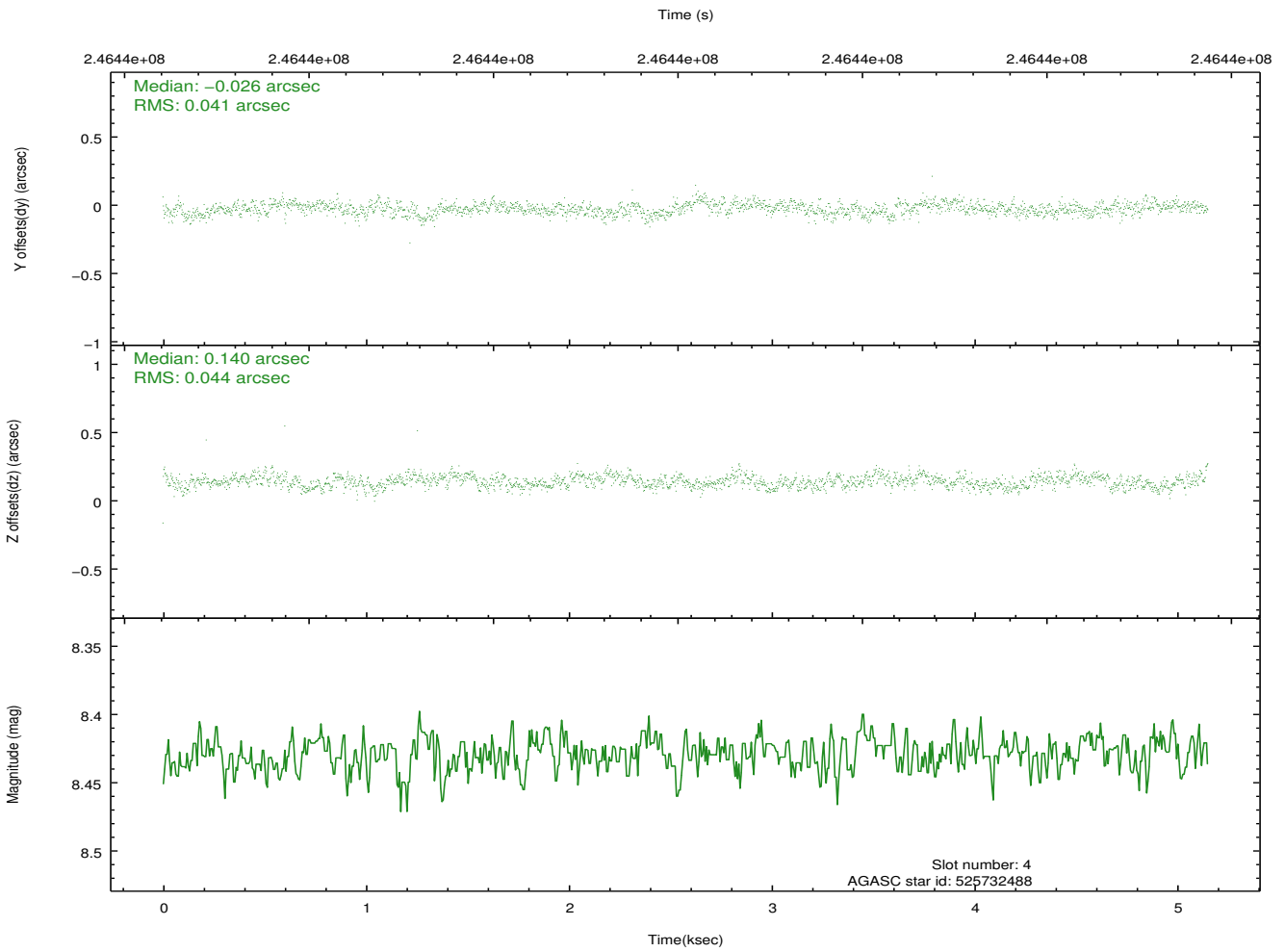
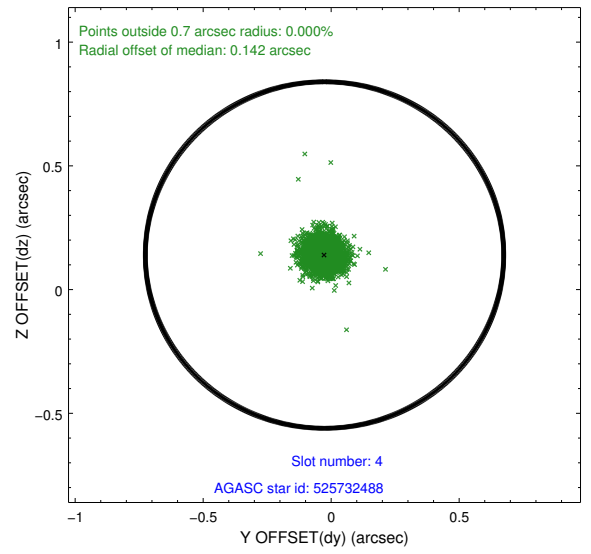
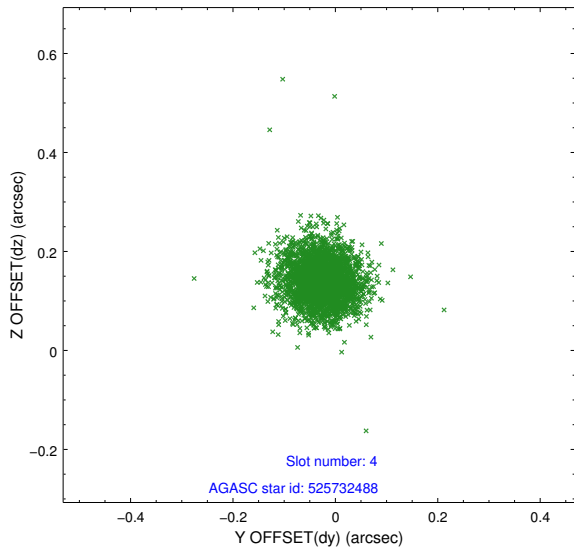
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.04	1257	0.103	-0.086	0.006	0.010	0.000000	0.000000	848.91	-1297.65
1	FID	HRC-I-3	7.09	1257	-0.097	0.040	0.005	0.009	0.000000	0.000000	-1191.71	1007.59
2	FID	HRC-I-4	7.03	1257	0.113	-0.041	0.006	0.009	0.000000	0.000000	1278.16	1006.93
3	GUIDE	525732232	9.11	2512	0.041	-0.028	0.095	0.164	351.669550	58.757012	-839.98	1286.15
4	GUIDE	525732488	8.43	2513	-0.026	0.140	0.062	0.100	350.087090	58.516915	1840.51	-247.21
5	GUIDE	525732528	9.37	2513	0.162	-0.017	0.089	0.143	351.607241	59.298932	-2146.17	-167.82
6	GUIDE	525735456	6.79	2514	-0.099	-0.013	0.053	0.084	350.628183	59.307249	-915.31	-1478.82
7	GUIDE	525735976	8.86	2513	-0.075	-0.079	0.072	0.119	350.142956	58.277622	2394.83	419.26

## 2.4 Star Slots

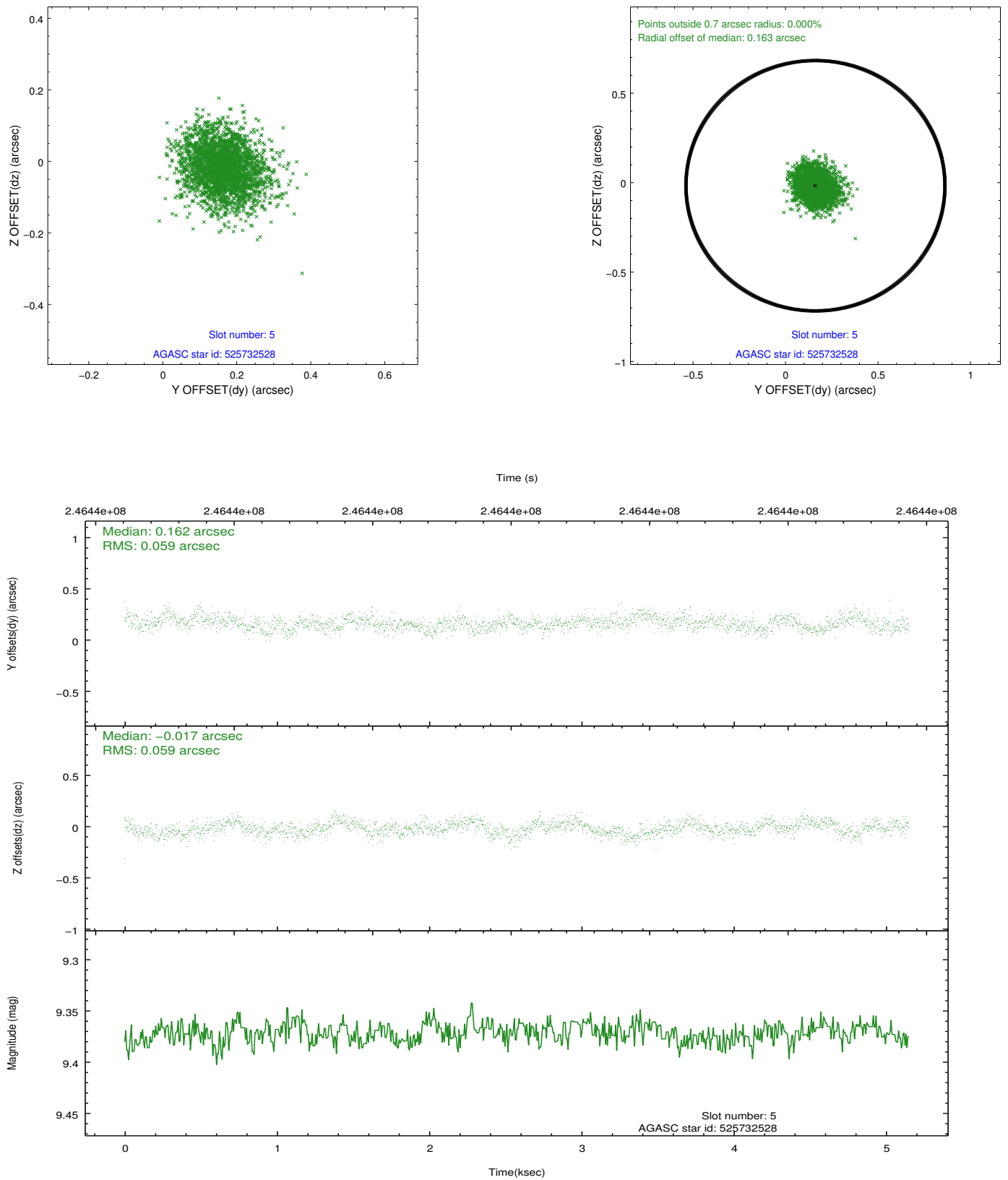
### 2.4.1 Slot 3



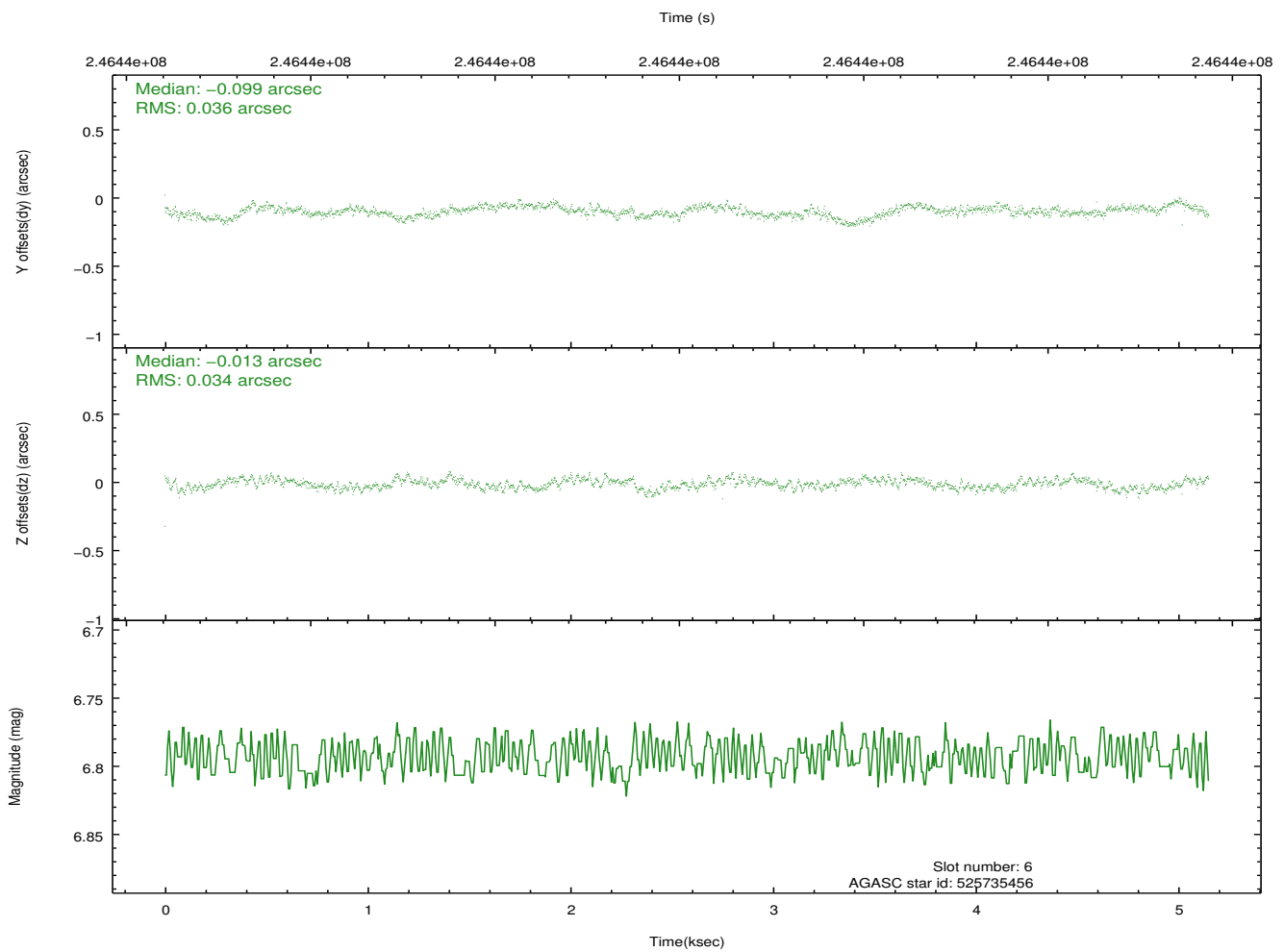
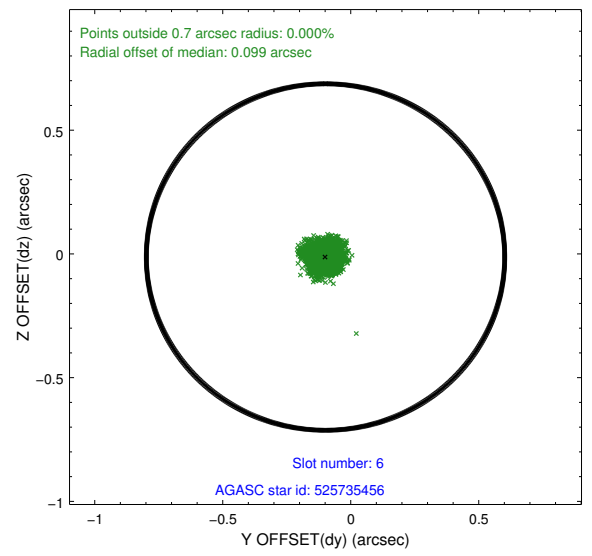
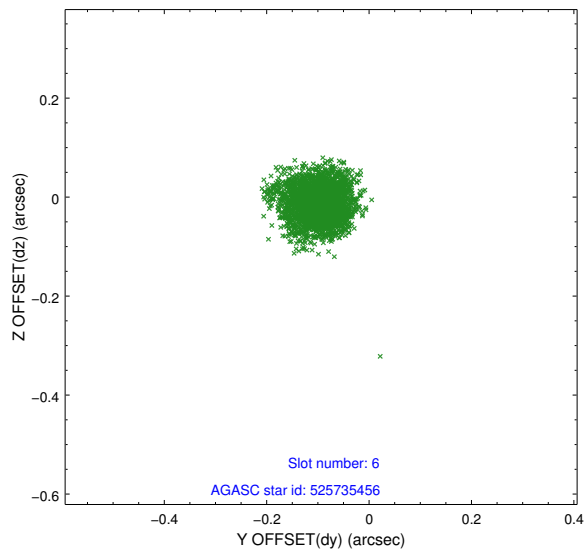
## 2.4.2 Slot 4



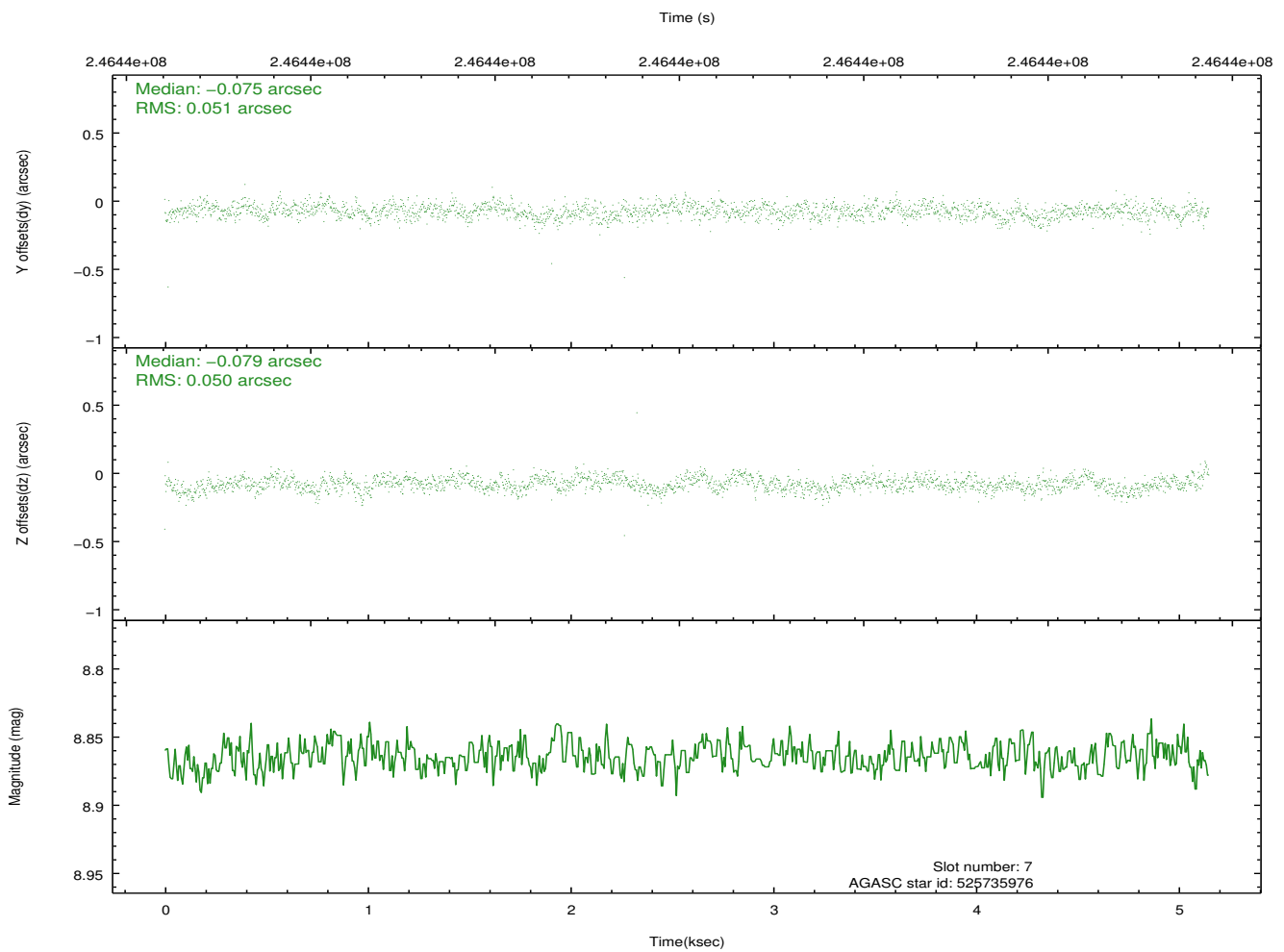
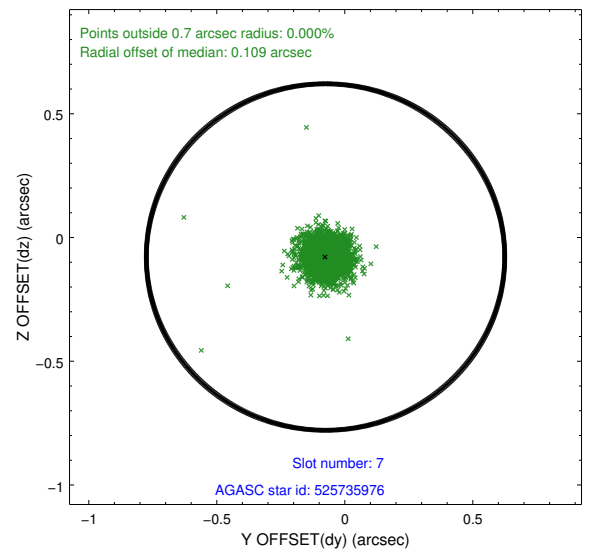
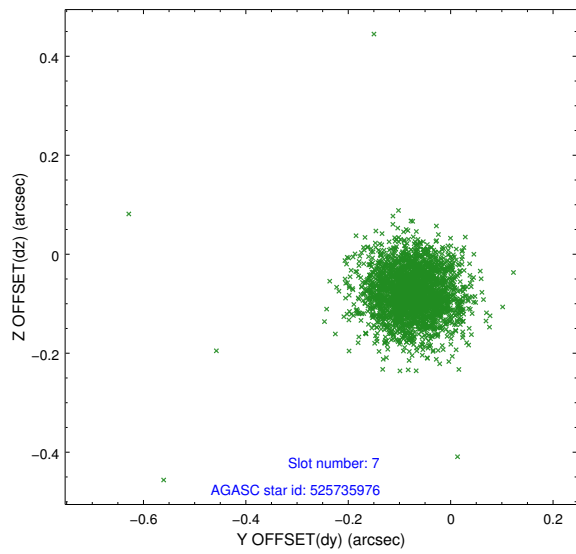
### 2.4.3 Slot 5



## 2.4.4 Slot 6

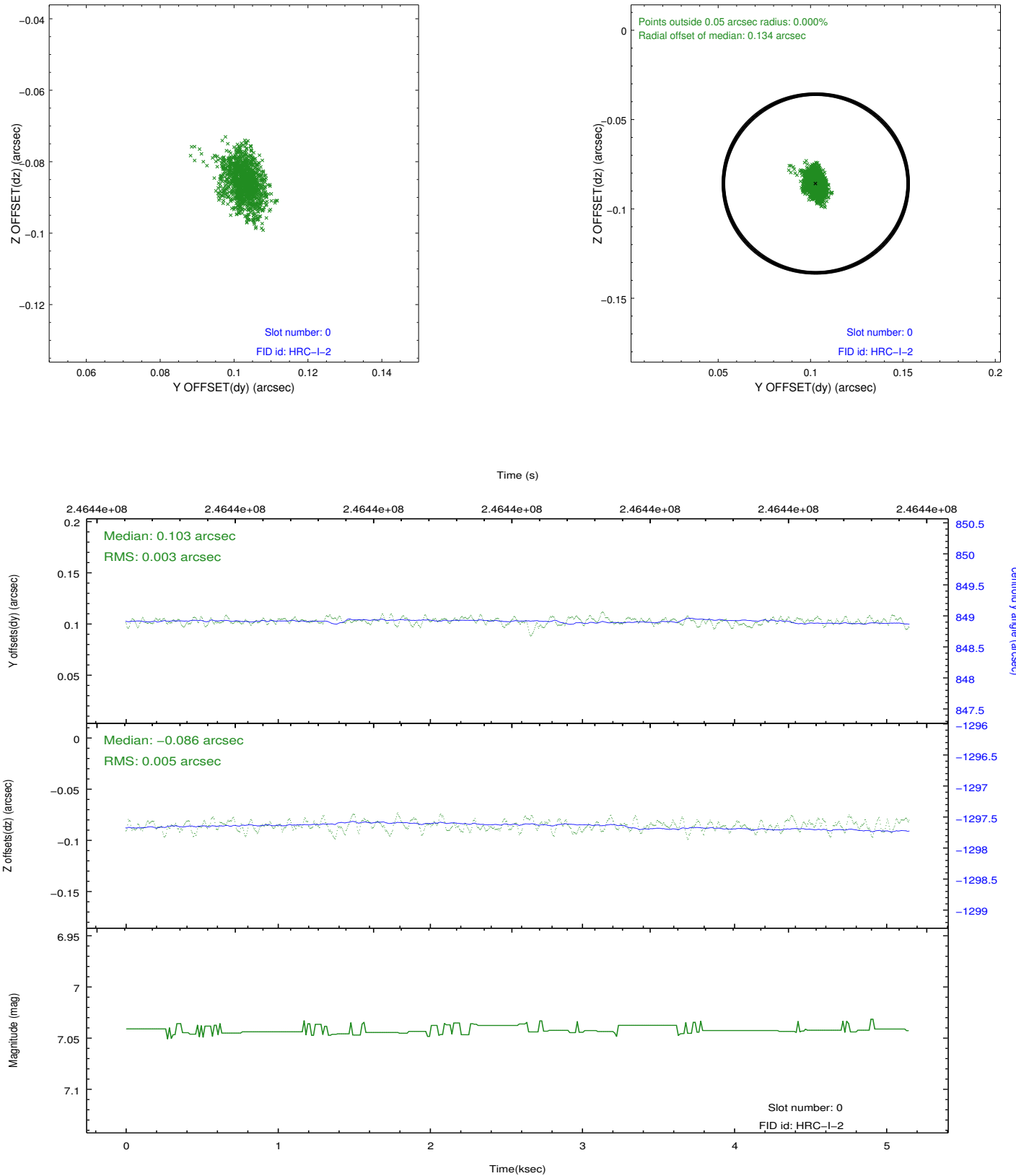


## 2.4.5 Slot 7

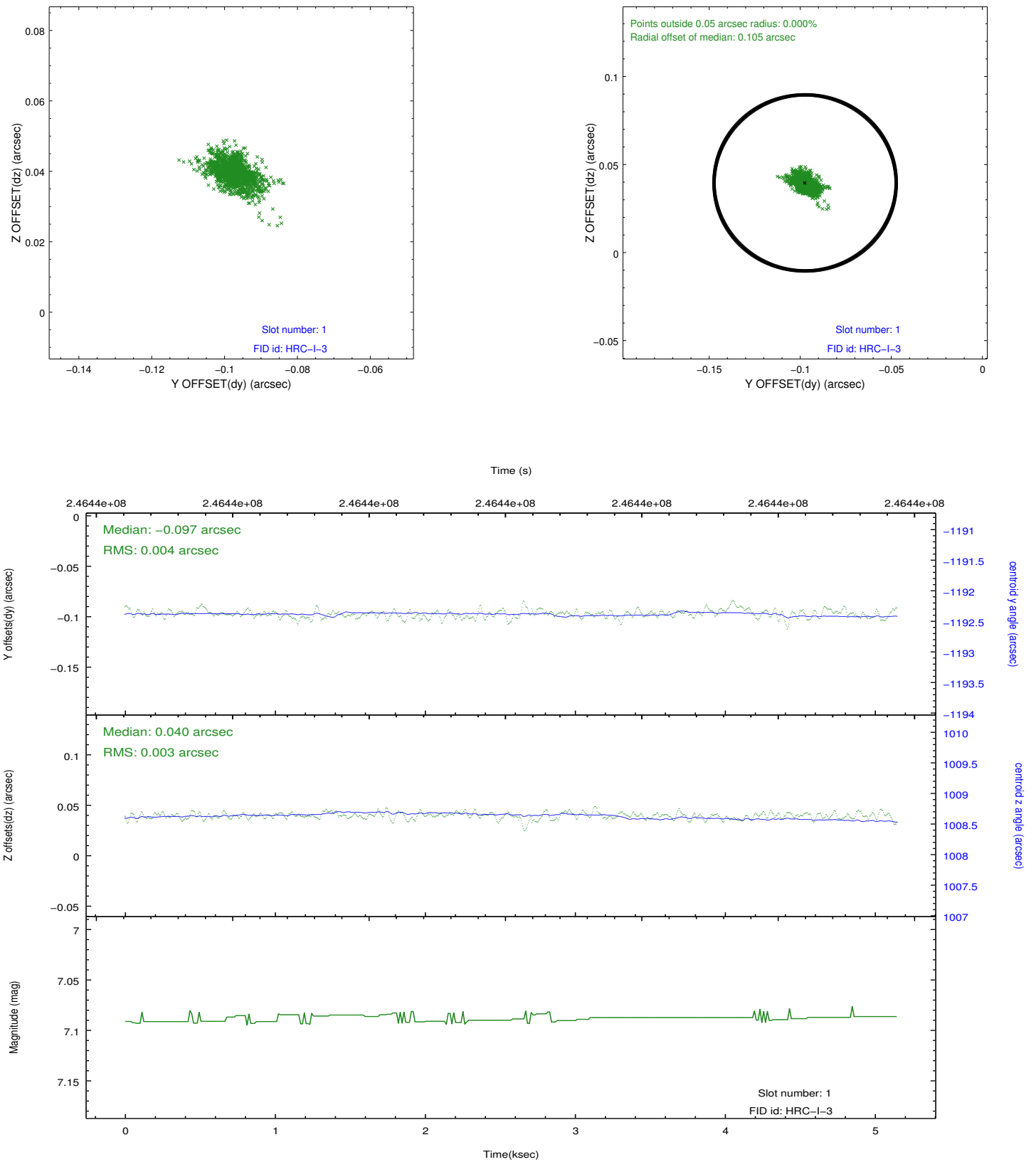


## 2.5 FID Slots

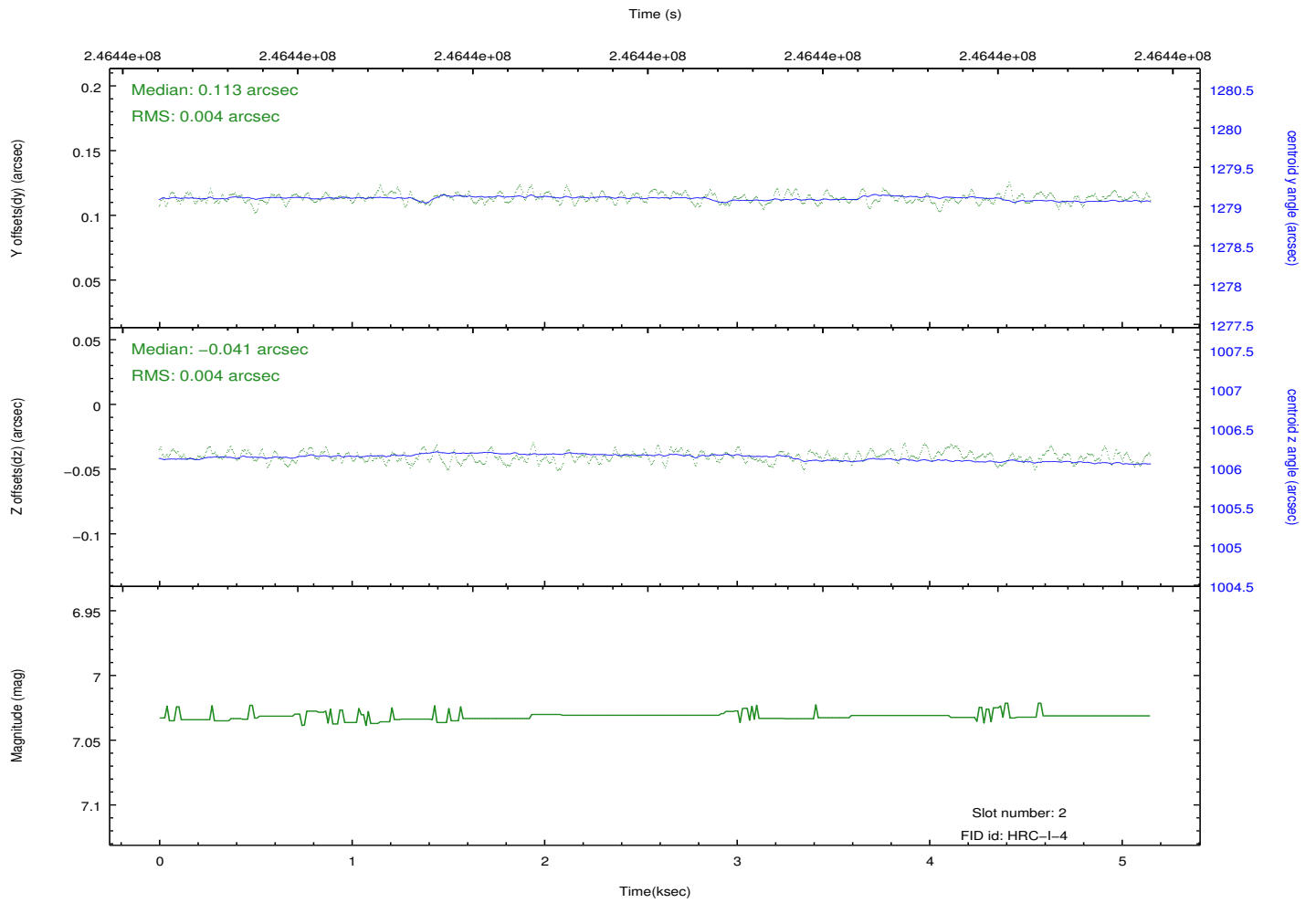
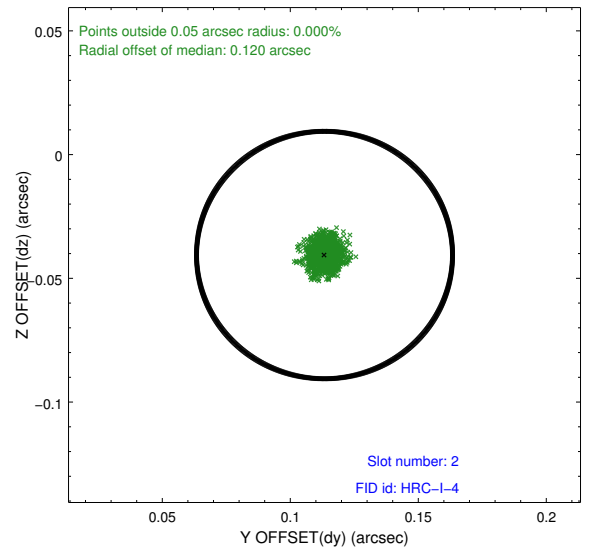
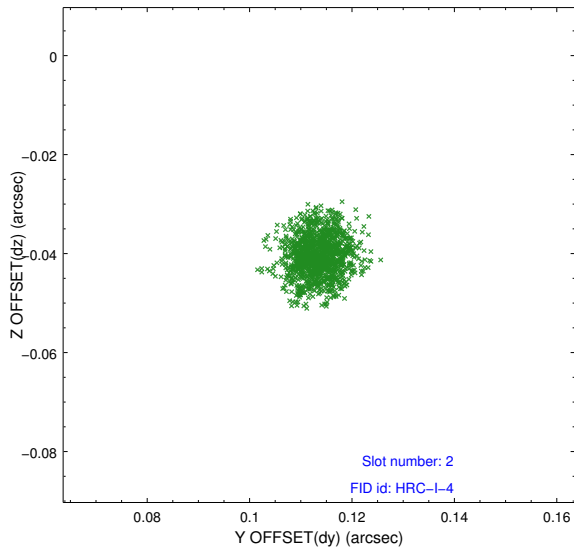
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.149856

## A.2 Comments

Window preference met.