

# V&V Reference Report

## L2 ASCDS Version : 8.1.1

Observation 1402 - L2 Version 4

Chandra X-Ray Center

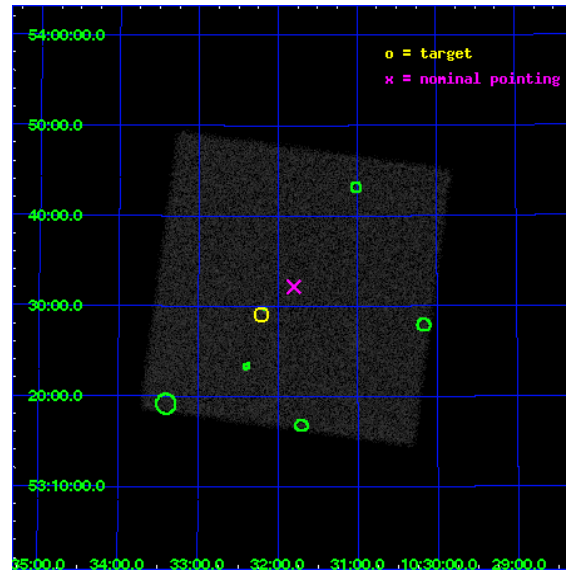
L2 Processing Date : Nov 20 2009

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# 1 Front

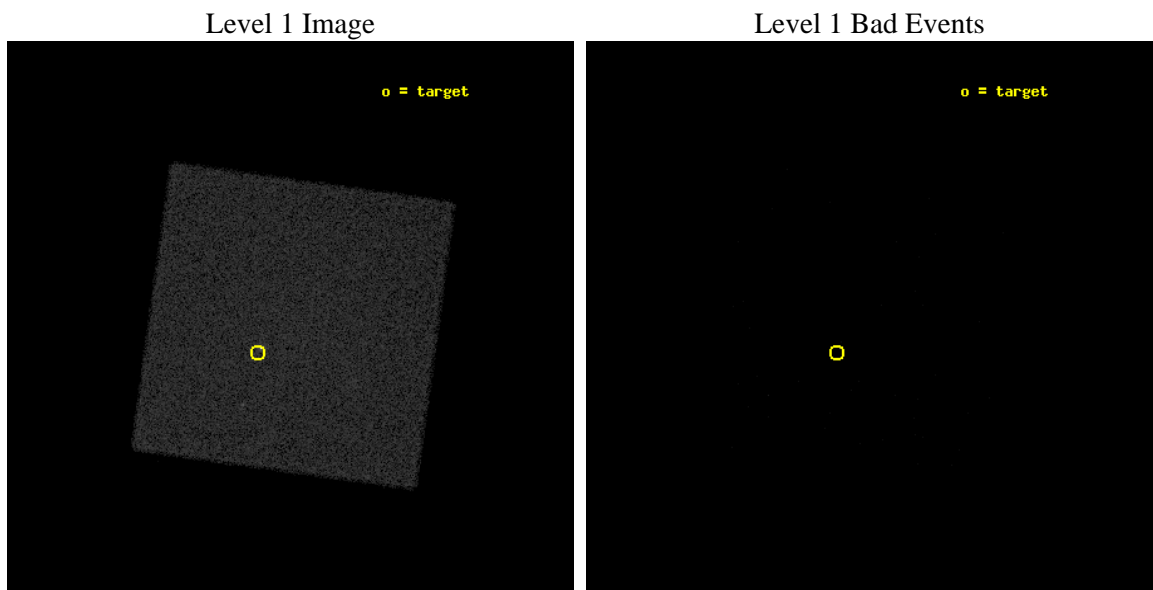
seq_num	280352	Sequence number
obs_id	1402	Observation id
title	OFF-AXIS PSF USING 2RE J1032+532	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	2REJ1032+532,ZOFF=5	Source name
ra_targ	158.054167	Observer's specified target RA
dec_targ	53.483333	Observer's specified target Dec
ra_nom	157.95004004874	Nominal RA
dec_nom	53.535910536457	Nominal Dec
roll_nom	52.858792346451	Nominal Roll
revision	4	Processing version of data
ontime	3277.1813682169	[s]
livetime	3255.9301487732	Ontime multiplied by DTCOR
l2events	103843	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	3000.000000	Scheduled observation exposure time
ascdsver	8.1.1	Processing system revision	ontime	3277.1813682169	[s]
caldbver	4.1.4	&#160	l1events	159610	Number of level 1 events
date	2009-11-20T18:14:03	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

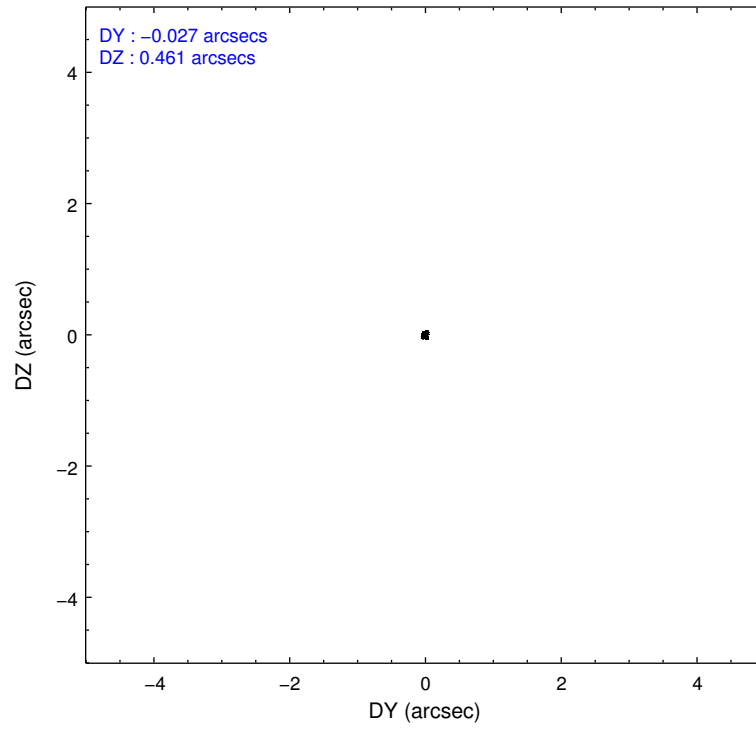
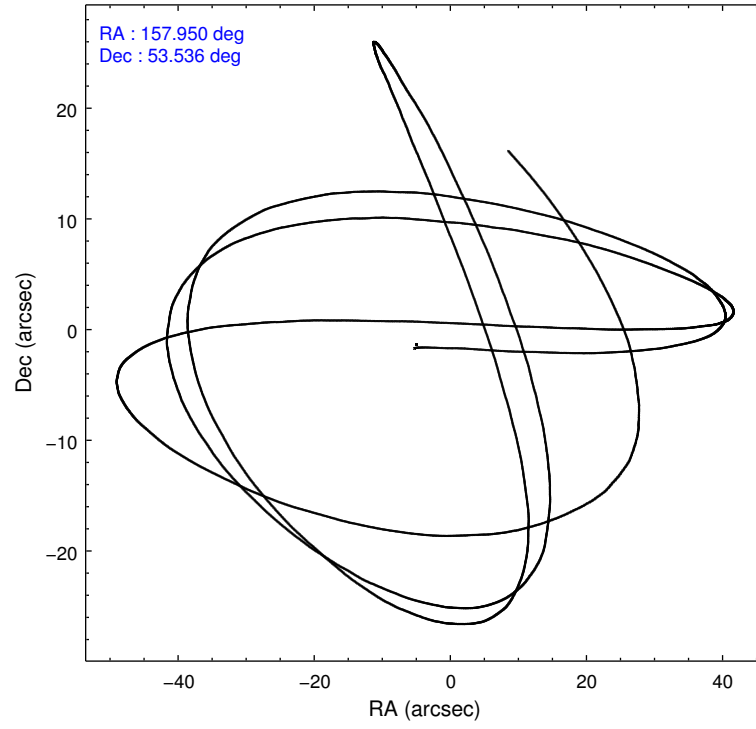
	<b>segment 0</b>
level 1 events	159610
rejected events	2386
rejected %	1%

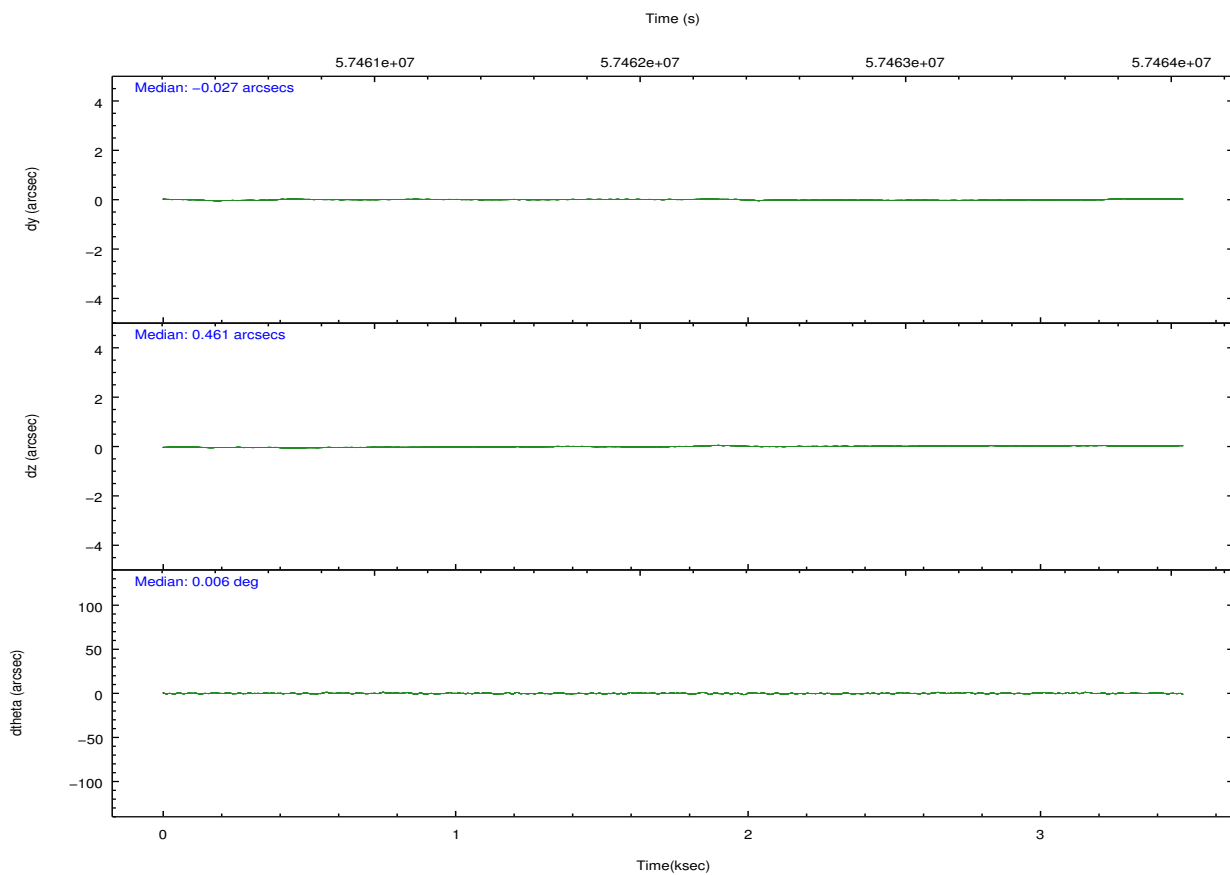
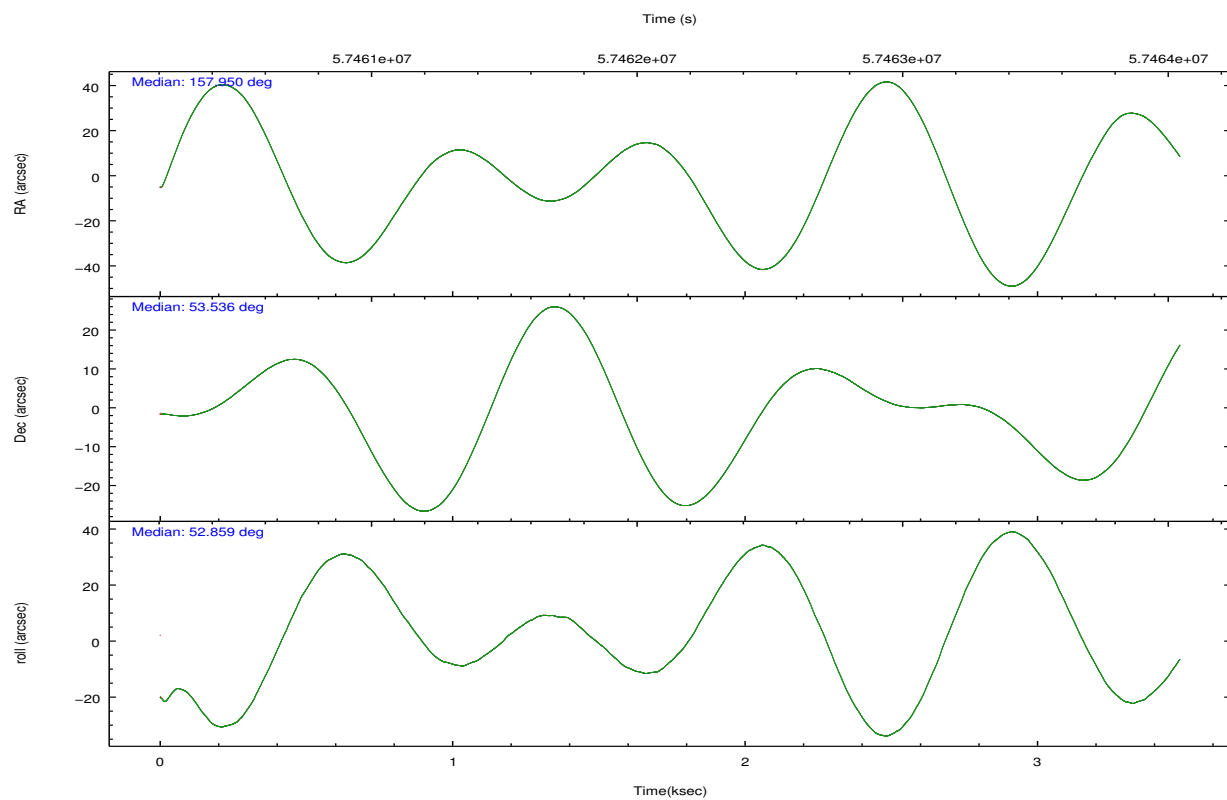


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
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			
Pointing RA	157.943830	157.9500400487389			
Pointing Dec	53.508722	53.53591053645734			
Pointing Roll	52.959371	52.85879234645124			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	57460866.184000	57460201.119953			
Observation start date	1999-10-28T01:20:02	1999-10-28T01:10:01			
Observation end time	57463866.184000	57464000.79509			
Observation end date	1999-10-28T02:10:02	1999-10-28T02:13:20			

## 2.3 Aspect



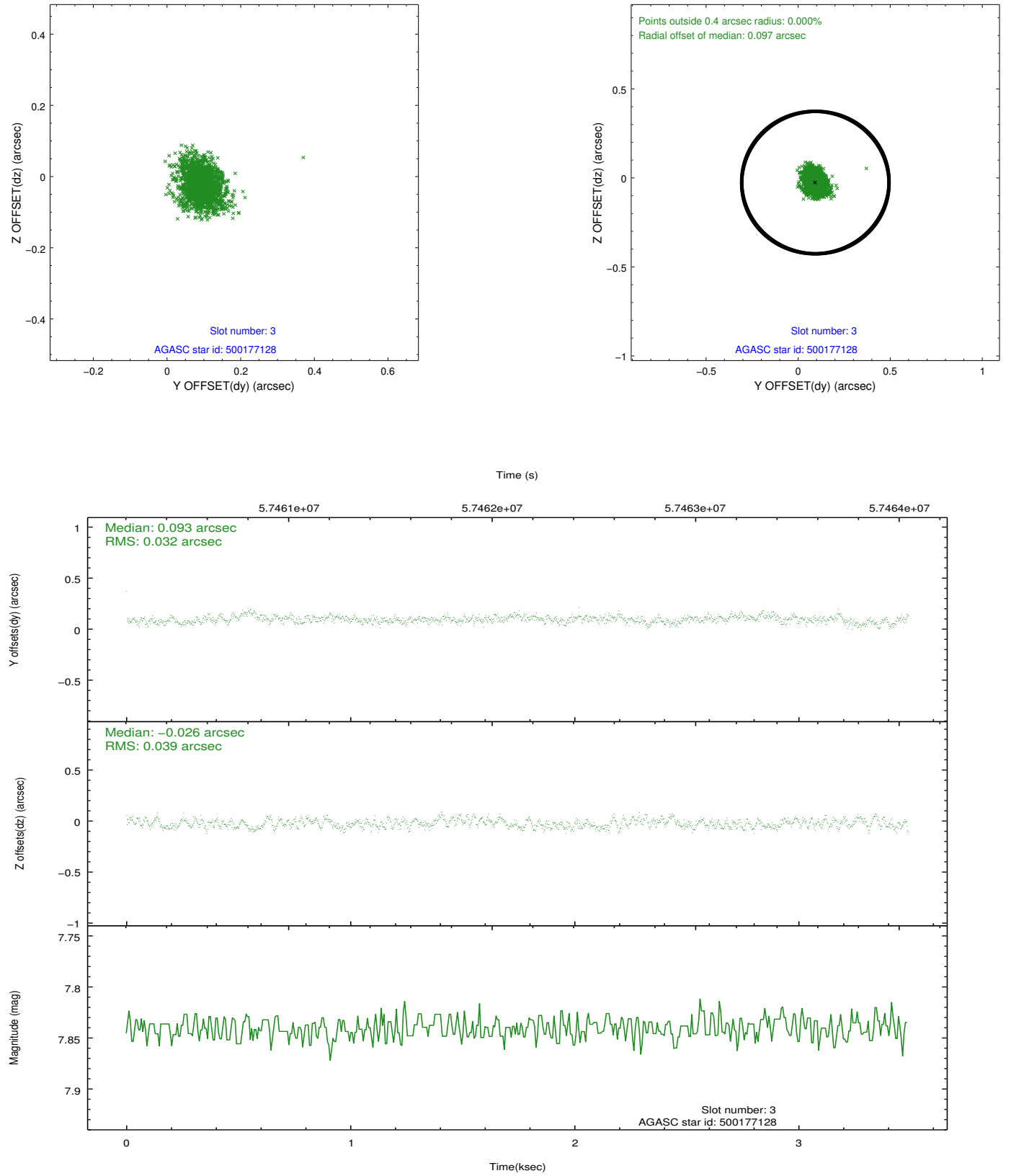


Slot Statistics

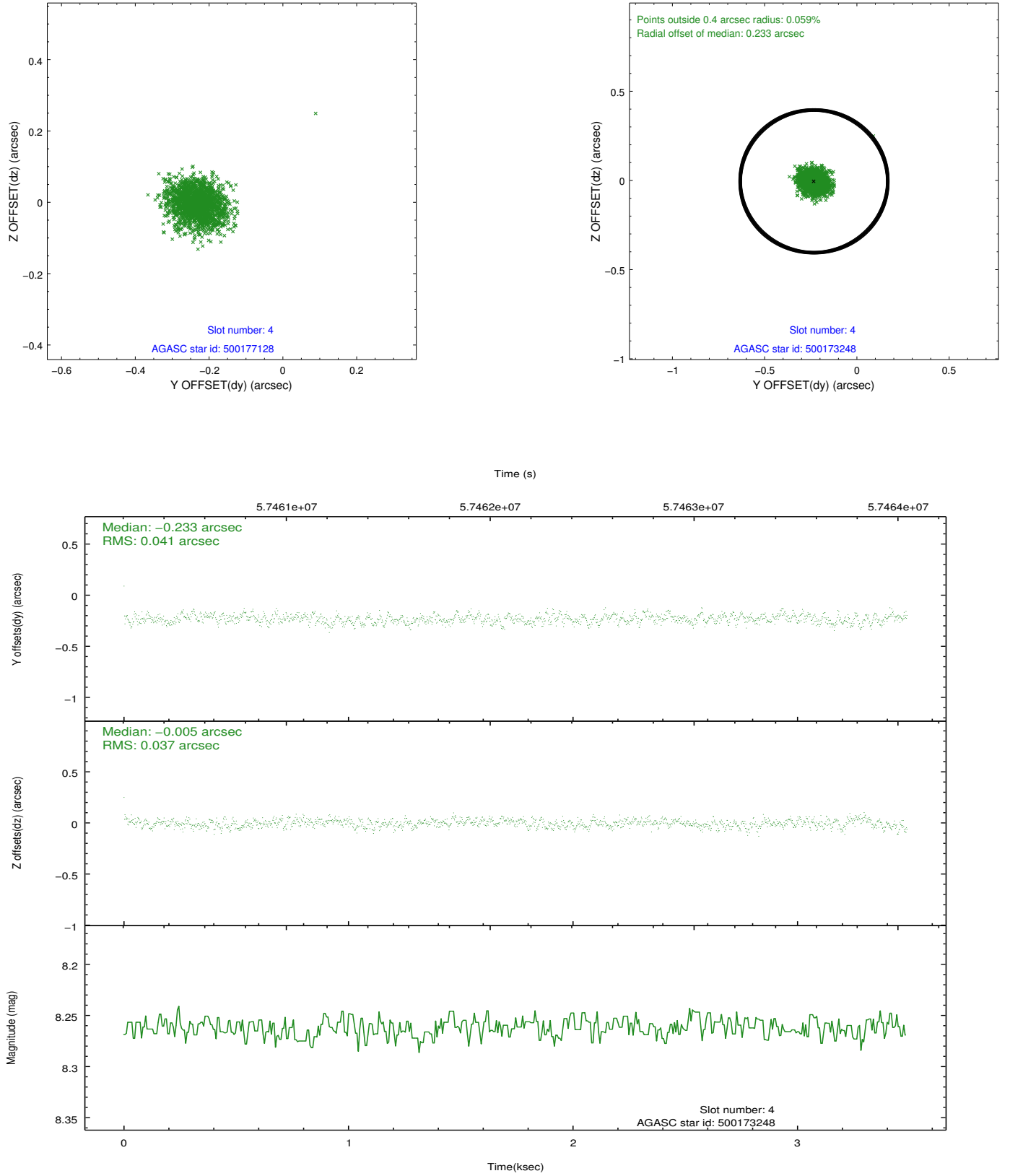
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	1702	0.004	-0.020	0.005	0.010	0.000000	0.000000	-755.31	-1288.22
1	FID	HRC-I-3	7.05	1702	0.058	-0.068	0.006	0.010	0.000000	0.000000	-1184.27	1015.53
2	FID	HRC-I-4	6.98	1702	0.052	-0.002	0.005	0.008	0.000000	0.000000	1286.75	1014.64
3	GUIDE	500177128	7.84	1701	0.093	-0.026	0.054	0.087	158.210933	53.586826	569.98	-283.96
4	GUIDE	500173248	8.26	1702	-0.233	-0.005	0.058	0.093	158.840876	53.953250	2432.48	-544.17
5	GUIDE	500171344	8.43	1702	0.123	-0.018	0.063	0.103	158.404020	53.216809	-236.42	-1421.62
6	GUIDE	500171736	8.79	1702	0.020	0.103	0.070	0.117	158.648618	53.141434	-132.03	-2005.85
7	GUIDE	500171880	9.65	1701	-0.005	-0.047	0.095	0.149	158.701962	53.717455	1580.25	-830.94

## 2.4 Star Slots

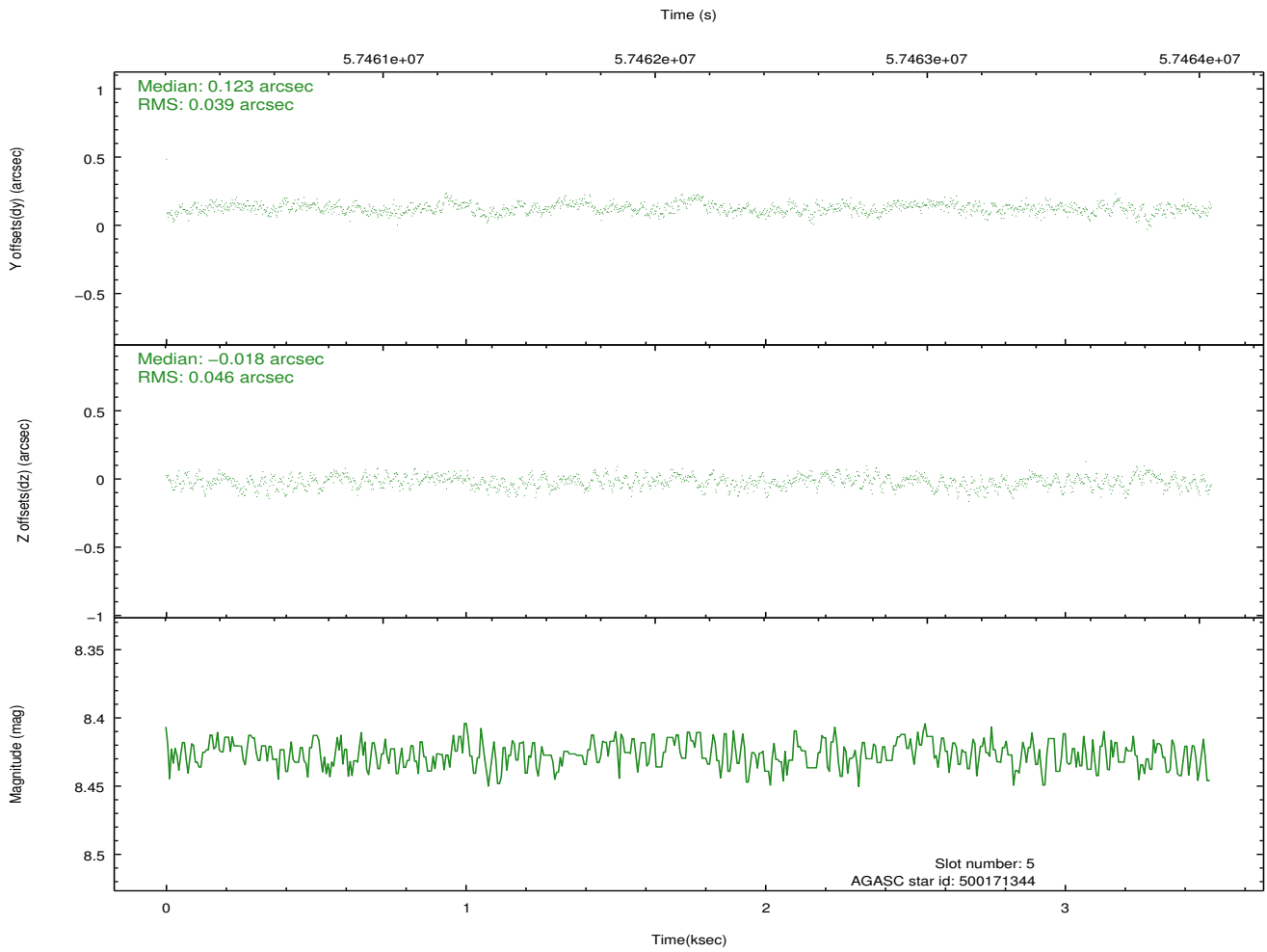
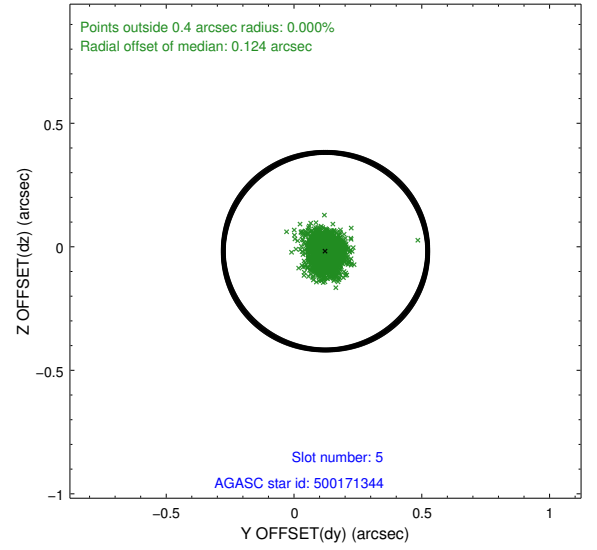
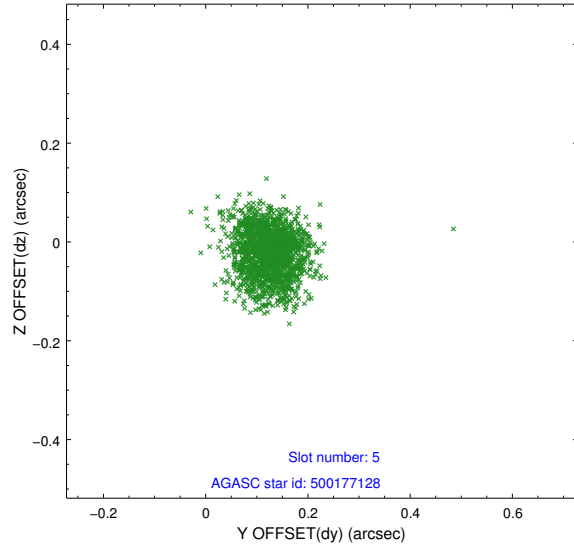
### 2.4.1 Slot 3



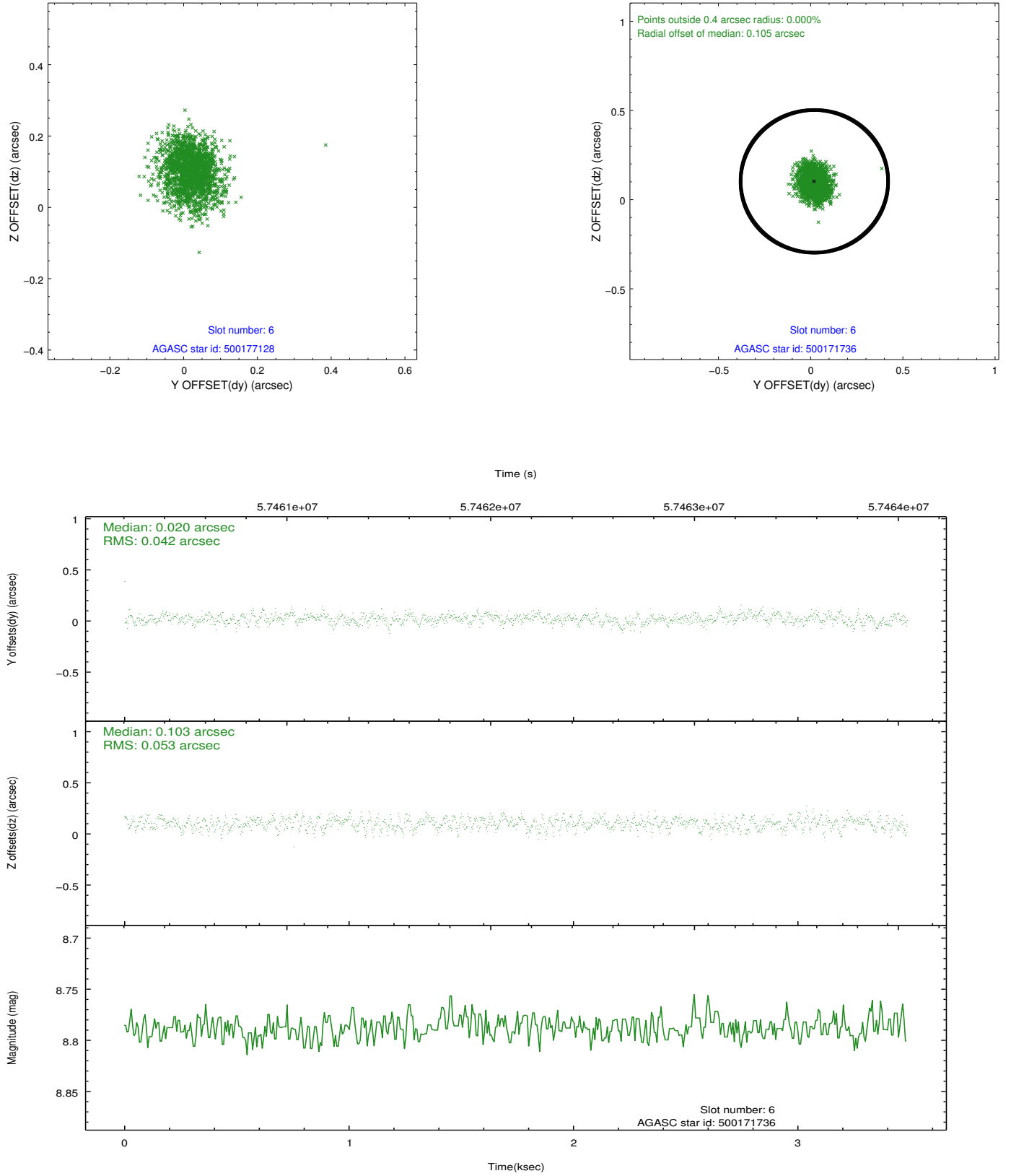
## 2.4.2 Slot 4



### 2.4.3 Slot 5

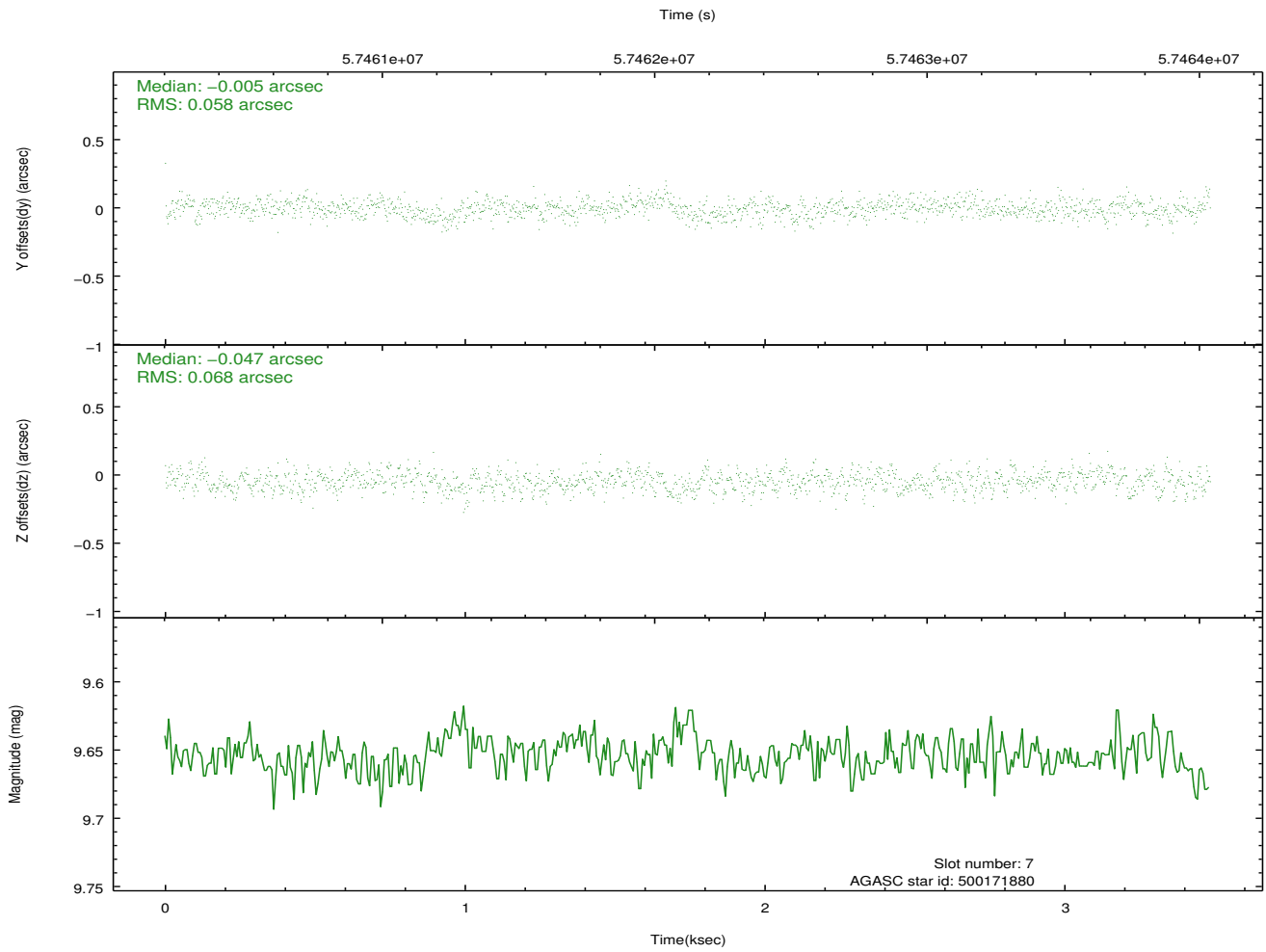
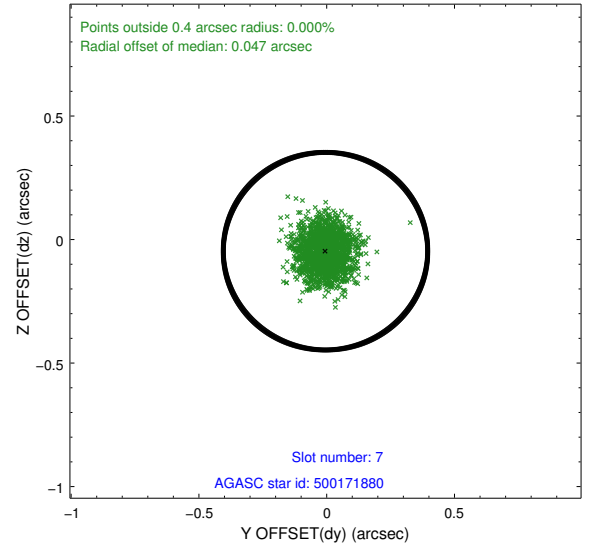
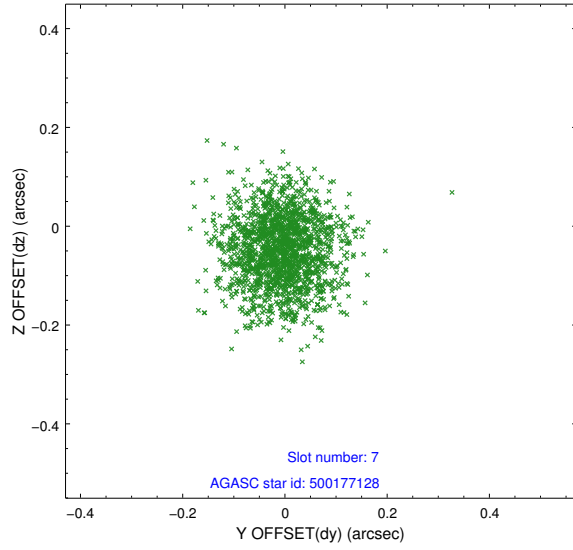


## 2.4.4 Slot 6



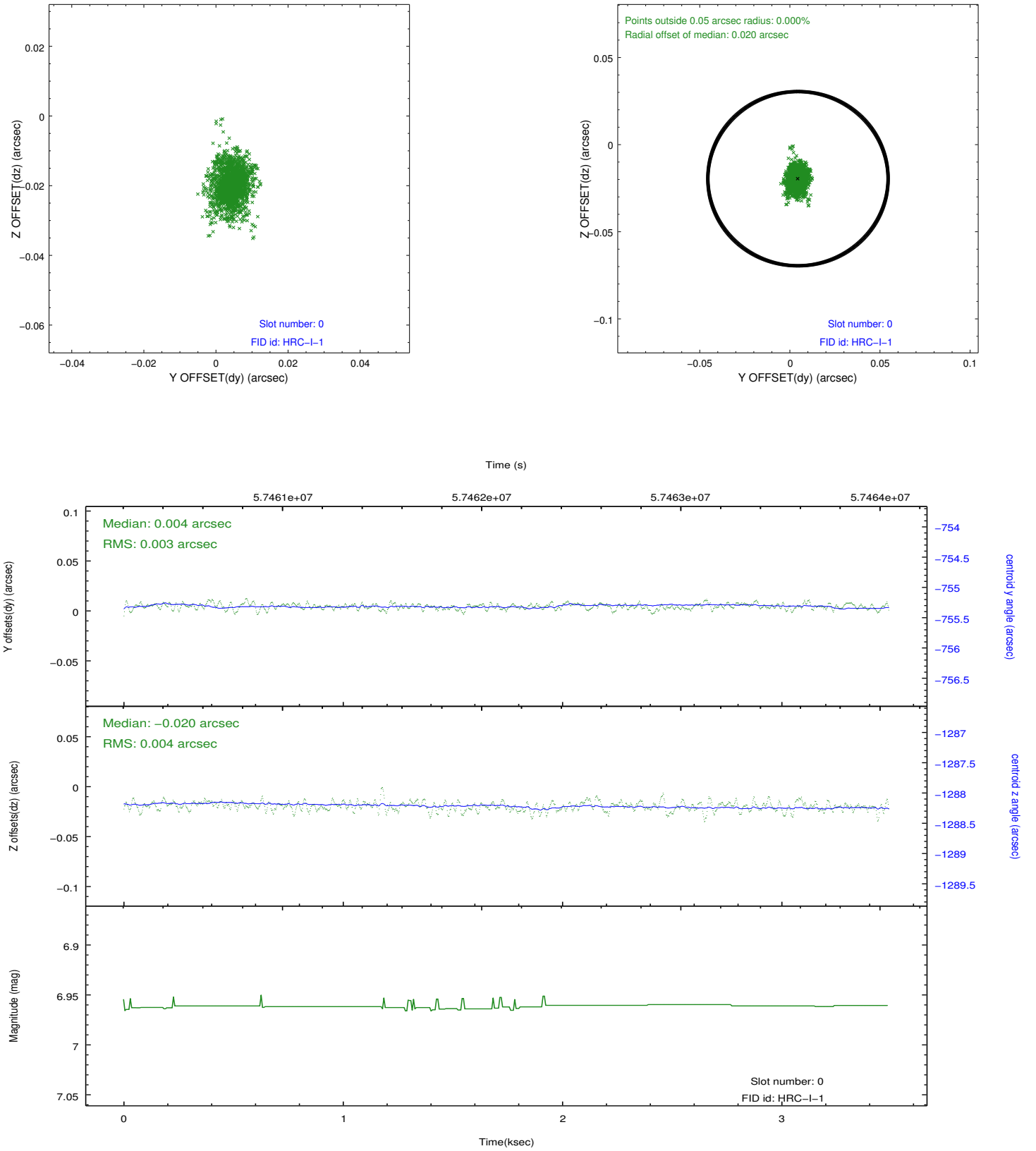


## 2.4.5 Slot 7

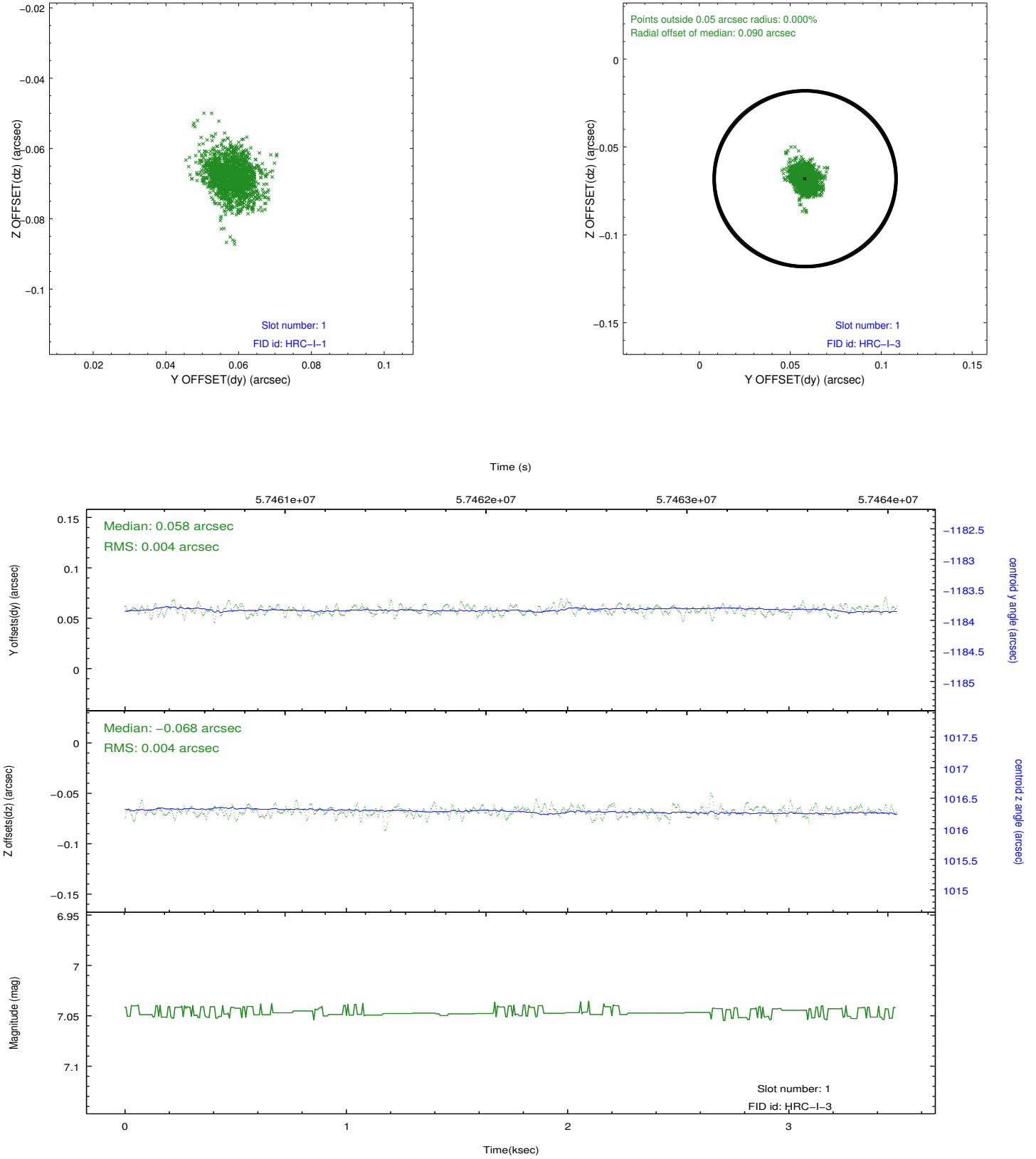


## 2.5 FID Slots

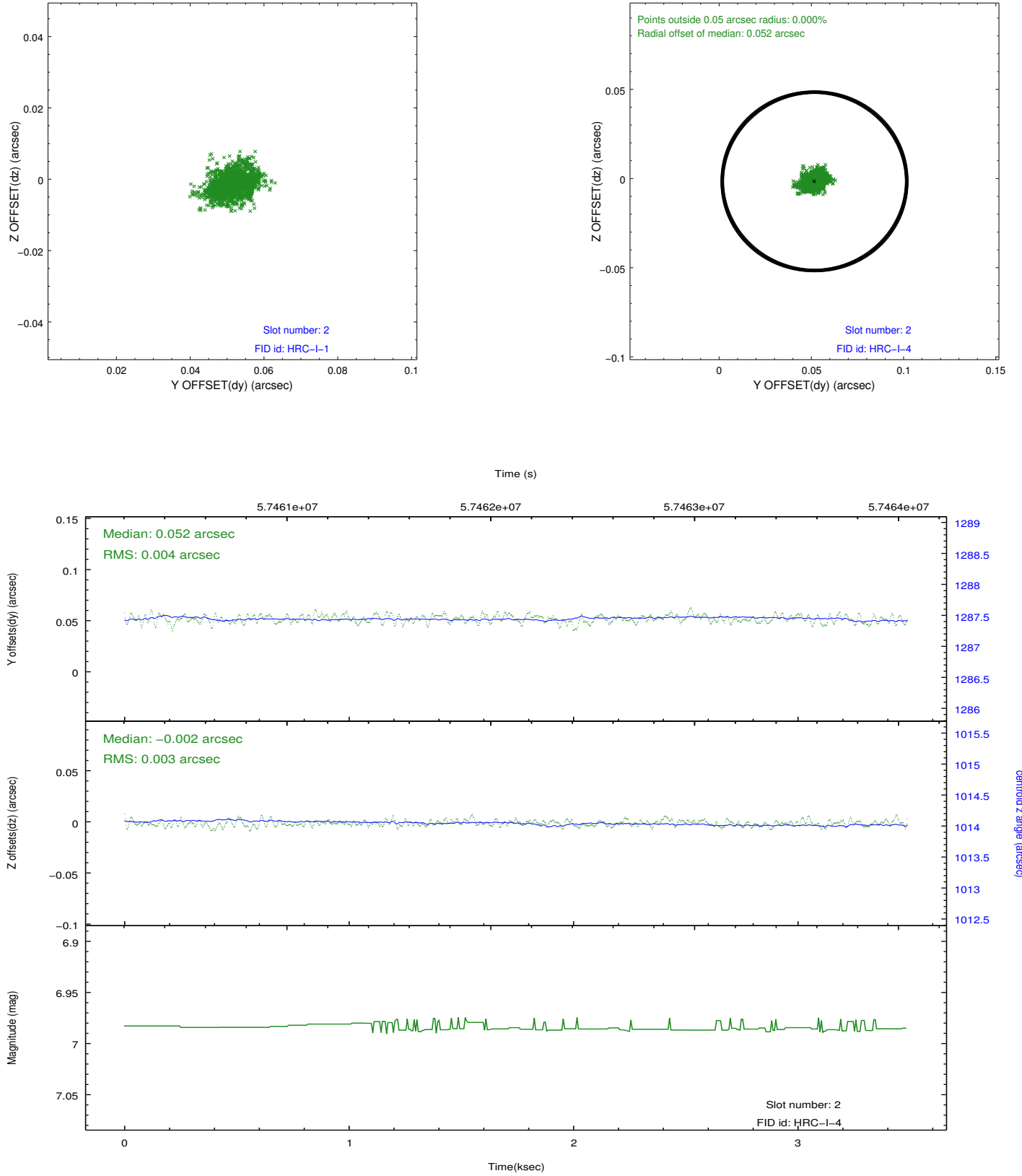
### 2.5.1 Slot 0



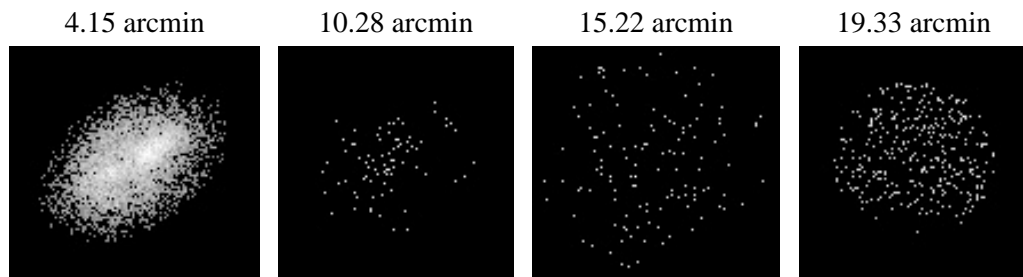
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2009.11.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.277

### A.2 Comments