

# V&V Reference Report

## L2 ASCDS Version : 8.2.1

Observation 1211 - L2 Version 3

Chandra X-Ray Center

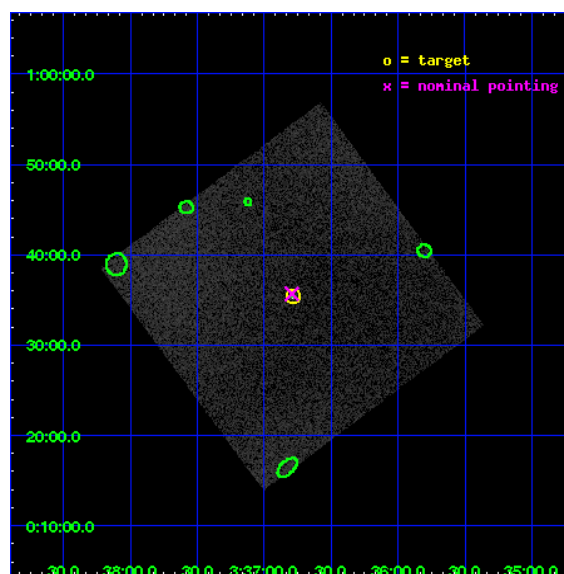
L2 Processing Date : Jan 12 2010

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# 1 Front

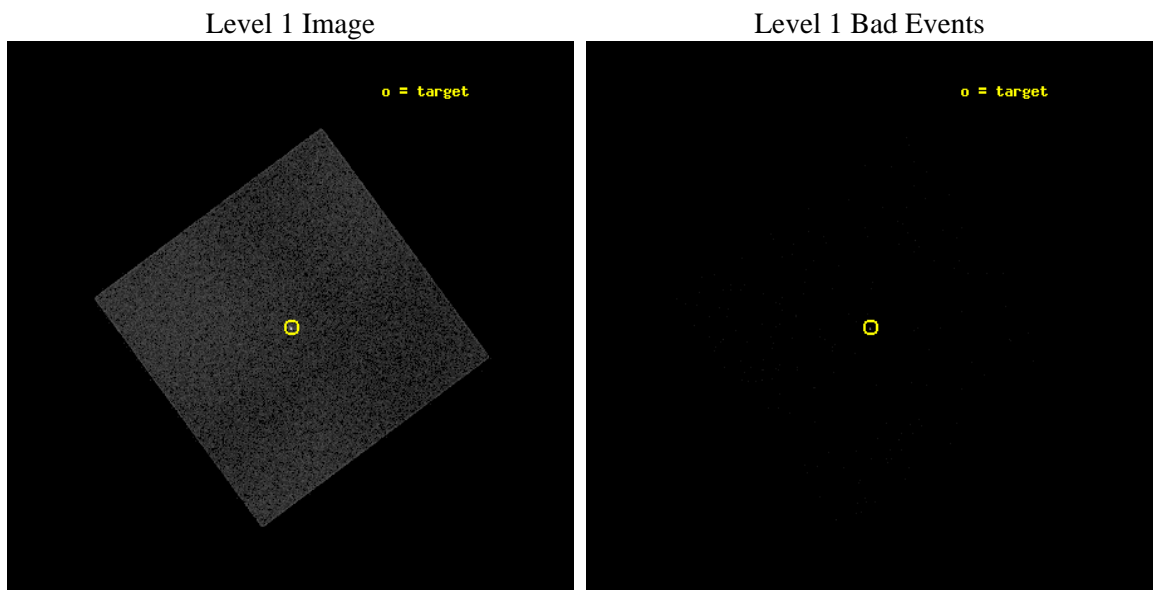
seq_num	280161	Sequence number
obs_id	1211	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HR1099	Source name
ra_targ	54.197083	Observer's specified target RA
dec_targ	0.589972	Observer's specified target Dec
ra_nom	54.198402890503	Nominal RA
dec_nom	0.59459184866513	Nominal Dec
roll_nom	98.469764644578	Nominal Roll
revision	3	Processing version of data
ontime	1674.0813101232	[s]
livetime	1659.4775515384	Ontime multiplied by DTCOR
l2events	72576	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	2000.000000	Scheduled observation exposure time
ascdsver	8.2.1	Processing system revision	ontime	1674.0813101232	[s]
caldbver	4.1.5	&#160	l1events	124265	Number of level 1 events
date	2010-01-12T19:55:40	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

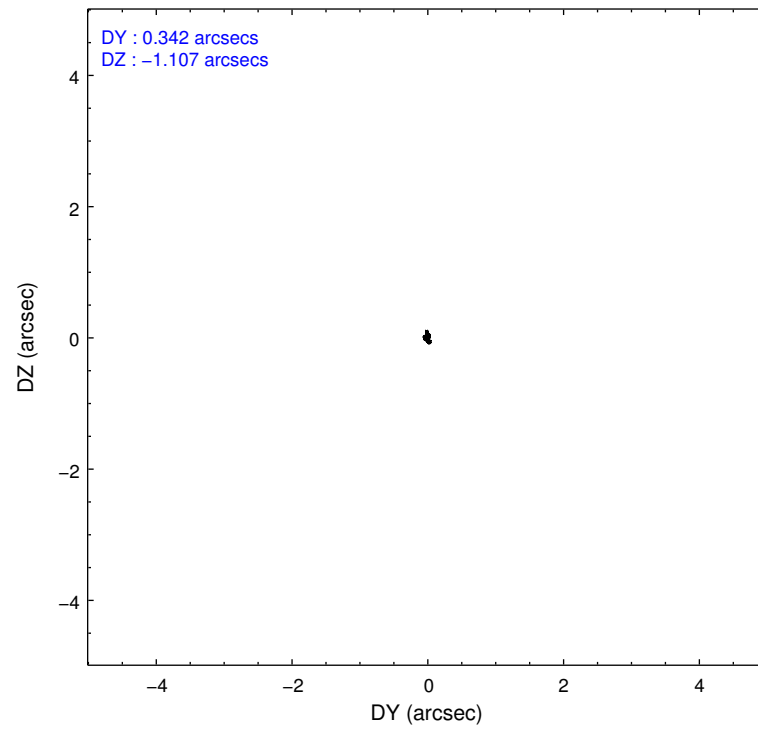
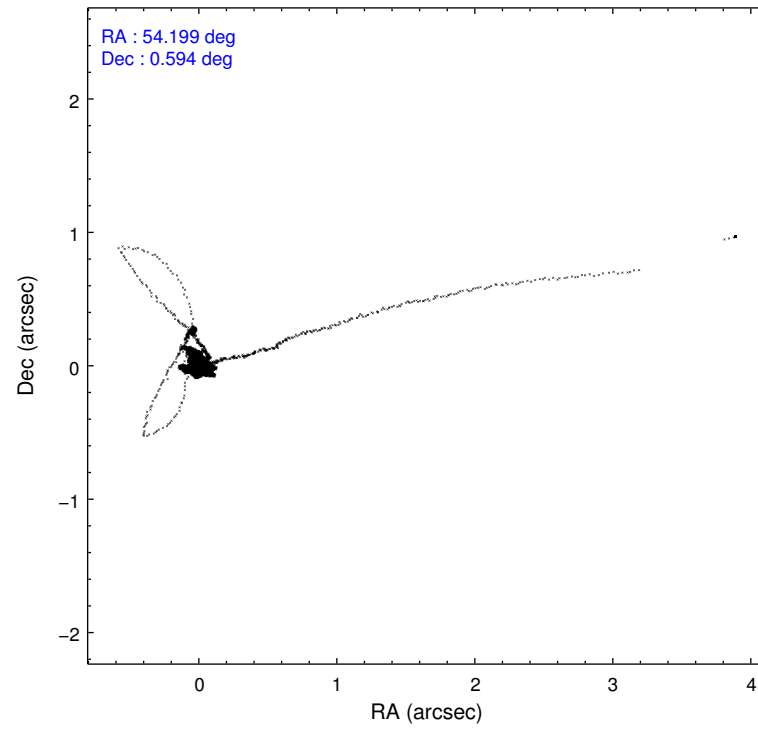
	<b>segment 0</b>
level 1 events	124265
rejected events	4213
rejected %	3%

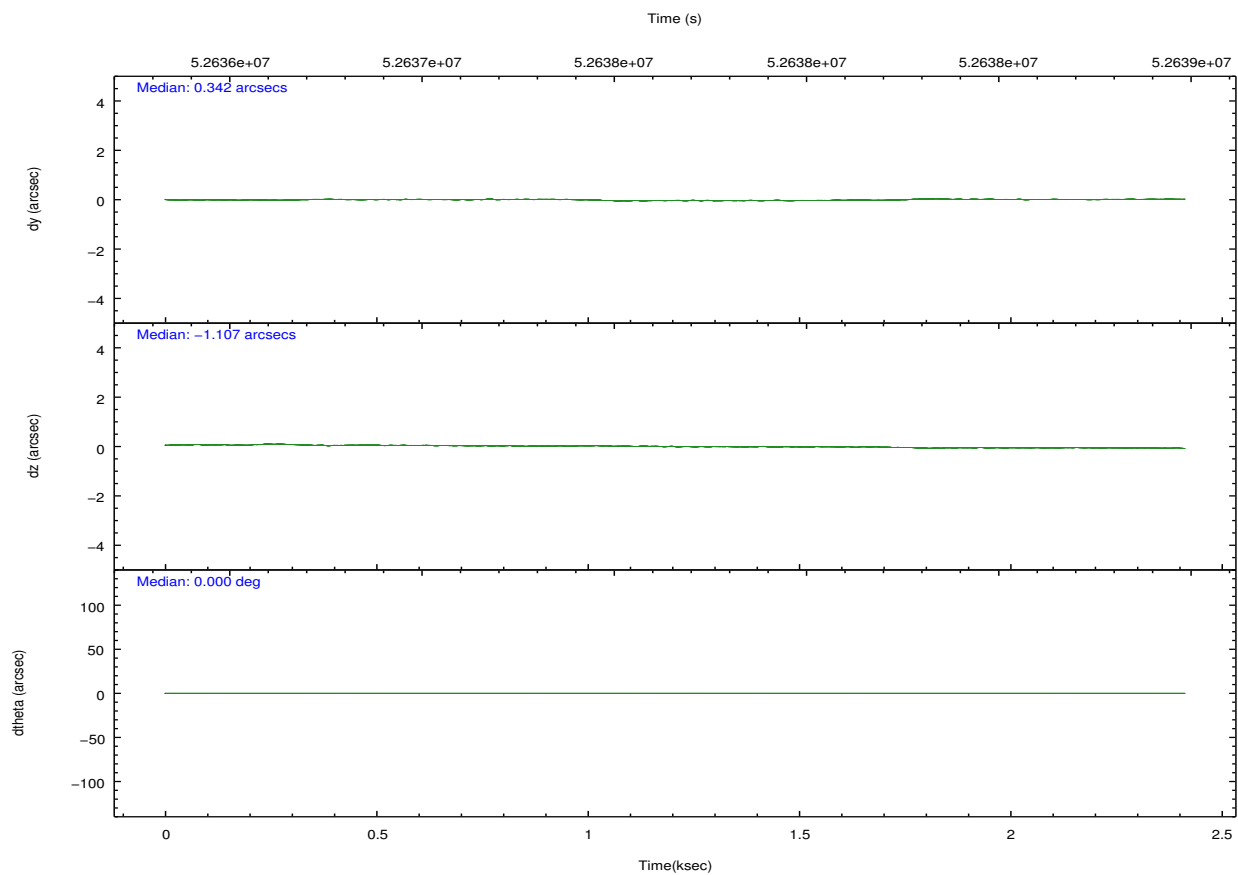
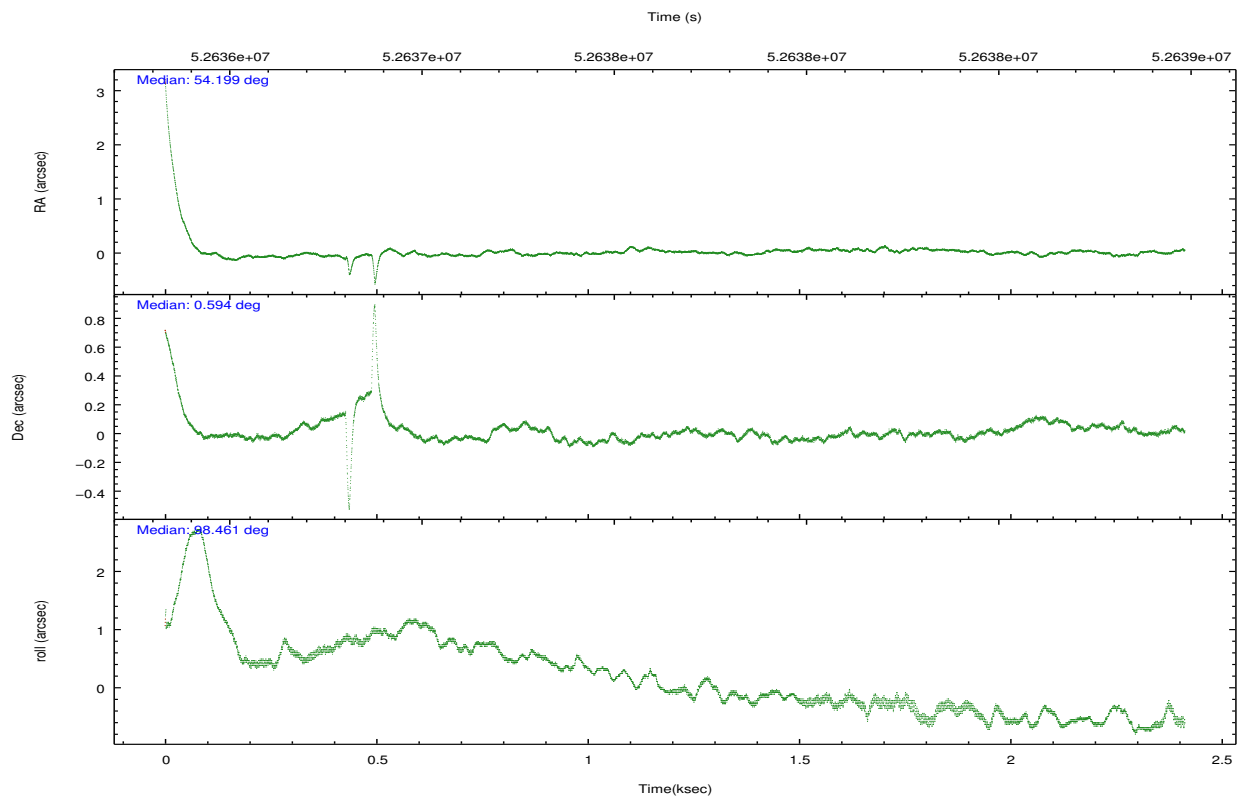
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	54.215464	54.19840289050313
Pointing Dec	0.573187	0.5945918486651259
Pointing Roll	98.565078	98.46976464457792
SIM focus pos (mm)	-1.040293	-1.016036269358593
SIM defocus (mm)	0	0.02425635130028114
SIM translation stage pos (mm)	126.985494	126.9829799899862
SIM translation stage offset (mm)	0	0.002508901615314585
Observation start time	52636864.184000	52636233.1911
Observation start date	1999-09-02T05:20:00	1999-09-02T05:10:33
Observation end time	52638864.184000	52638997.6162
Observation end date	1999-09-02T05:53:20	1999-09-02T05:56:37

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

## 2.3 Aspect





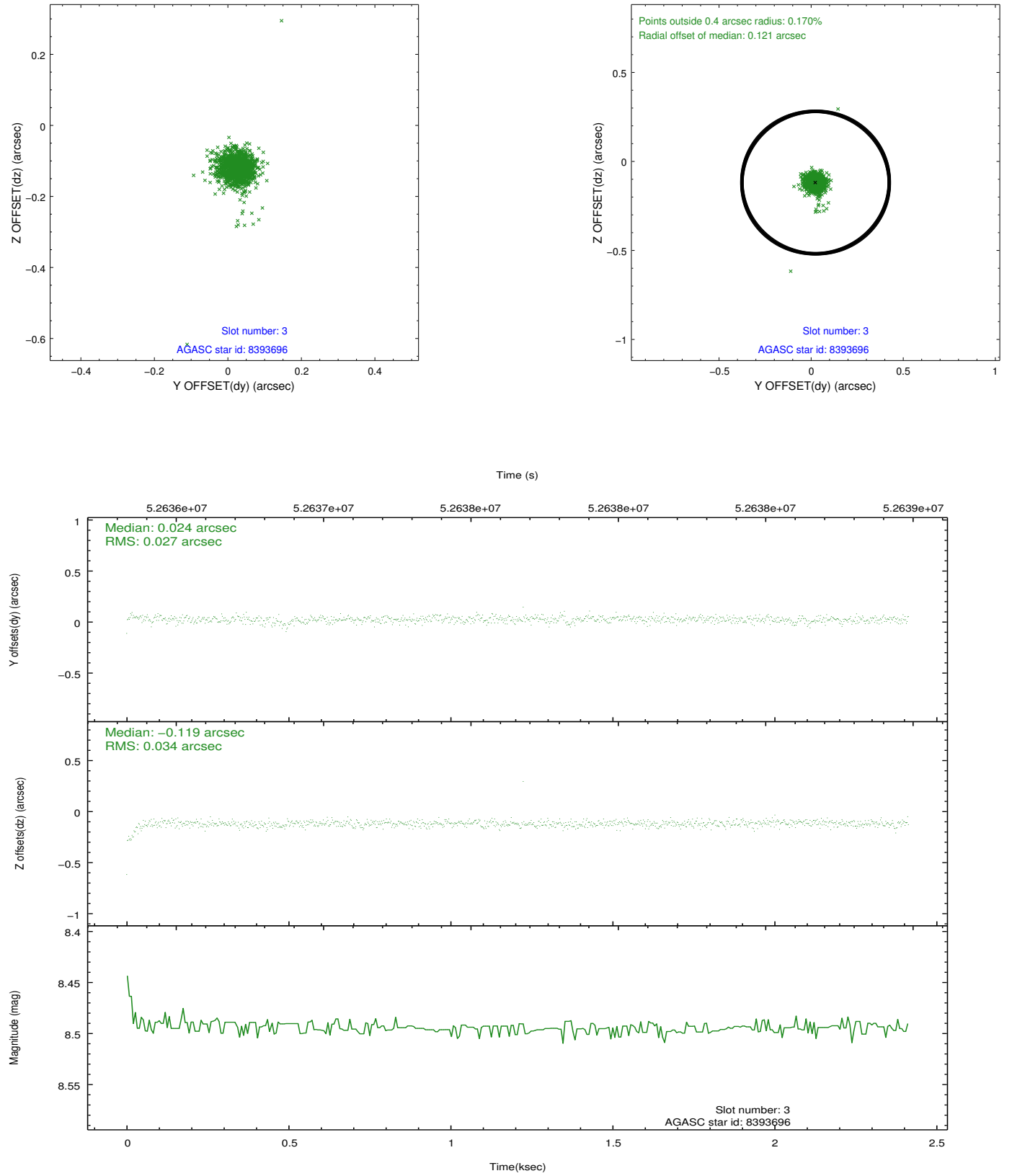
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	1178	0.037	-0.032	0.000	0.000	0.000000	0.000000	-755.51	-1286.66
1	BAD	HRC-I-3	7.04	240	0.336	0.079	0.011	0.020	0.000000	0.000000	-1187.19	1012.53
2	BAD	HRC-I-4	6.99	213	0.329	-0.197	0.012	0.022	0.000000	0.000000	1281.67	1020.34
3	GUIDE	8393696	8.49	1176	0.024	-0.119	0.040	0.068	53.645666	0.680479	687.84	1971.11
4	GUIDE	8398800	8.71	1178	0.033	0.171	0.043	0.072	54.242352	0.922024	1228.60	-280.32
5	GUIDE	8390744	9.03	1178	0.060	-0.117	0.049	0.079	53.677290	0.926294	1547.06	1726.56
6	GUIDE	8395104	8.66	1177	0.097	0.154	0.042	0.069	54.744893	0.796520	513.58	-2002.15
7	GUIDE	8399352	9.94	1176	-0.211	-0.092	0.082	0.139	53.946831	1.204693	2392.79	616.50

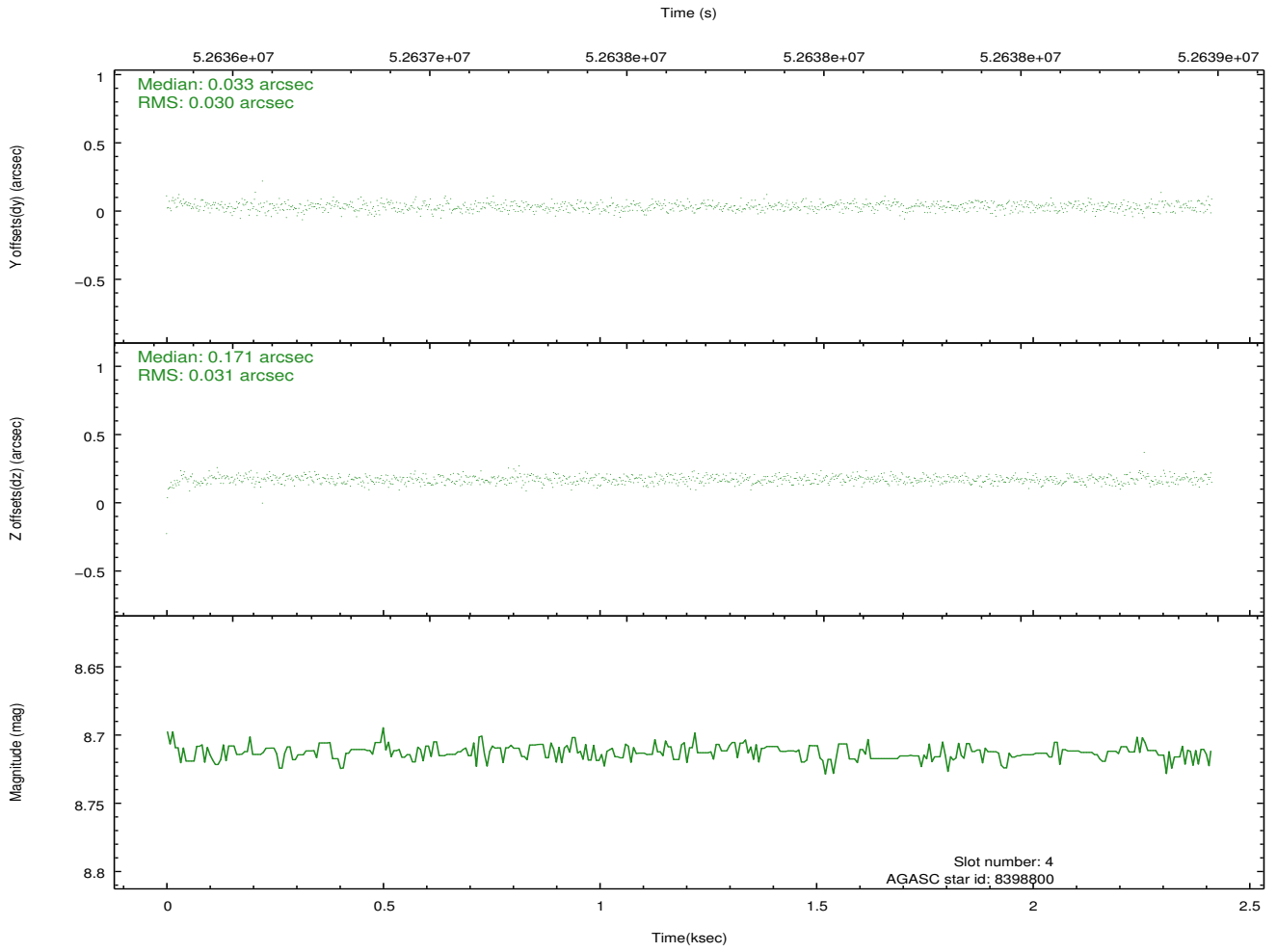
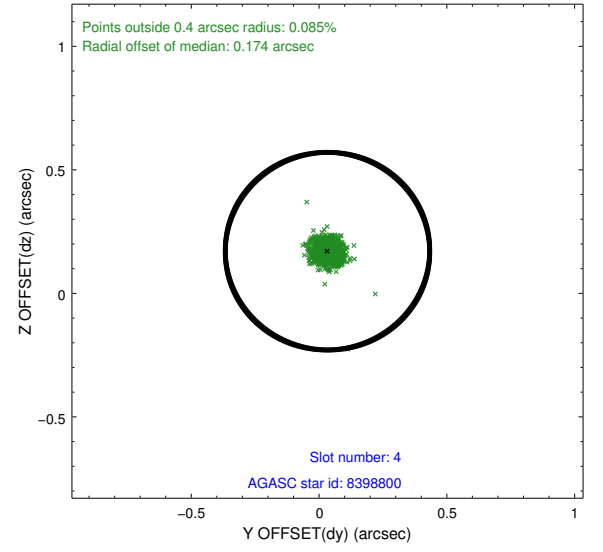
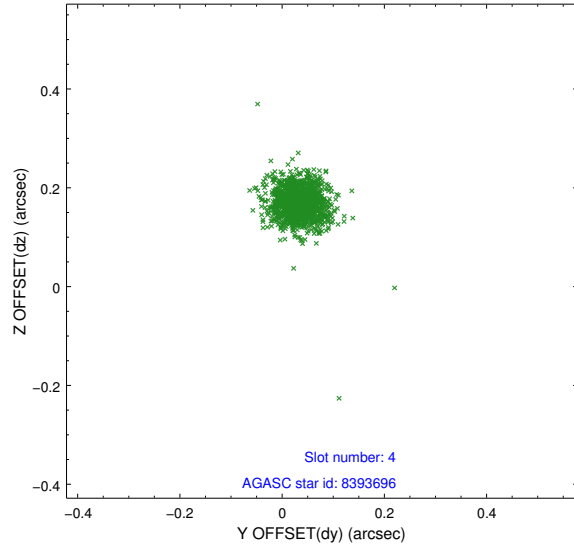


## 2.4 Star Slots

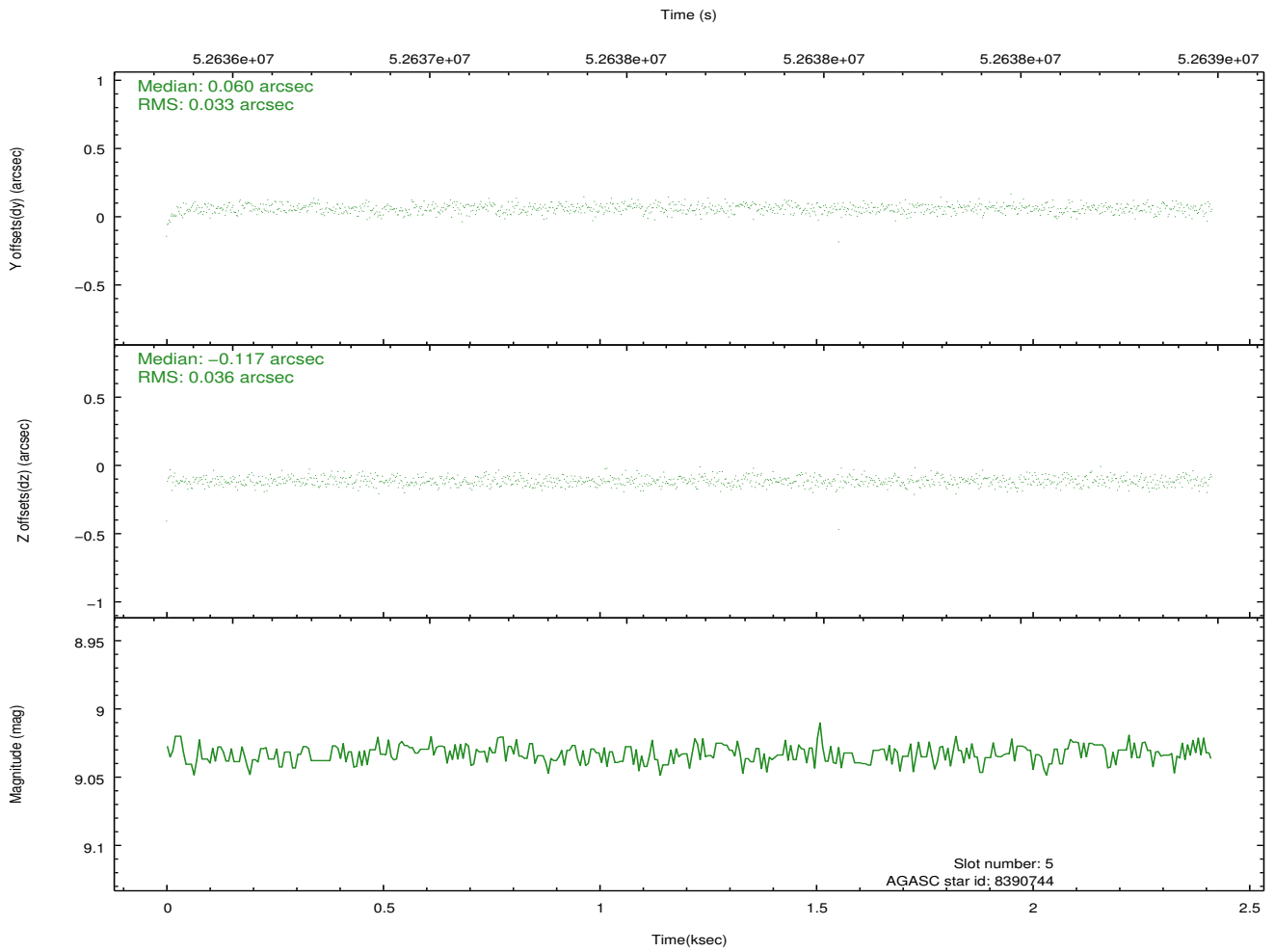
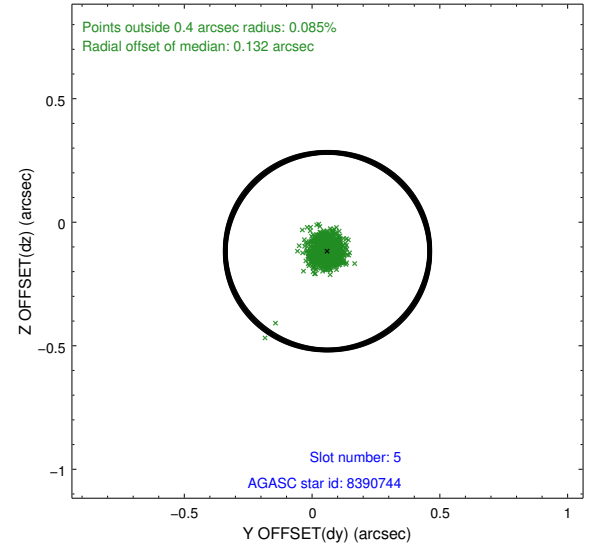
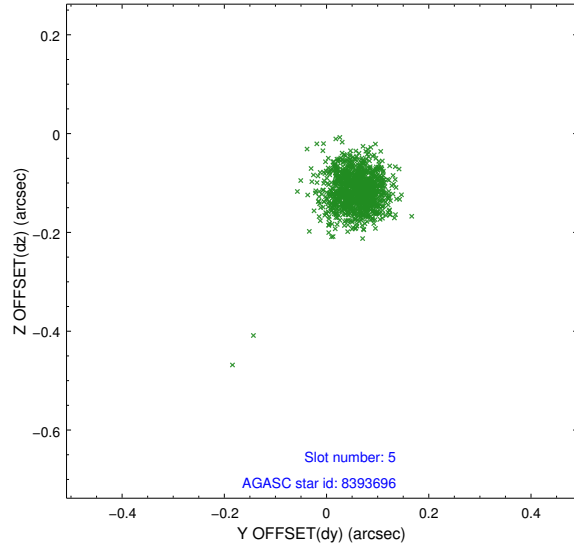
### 2.4.1 Slot 3



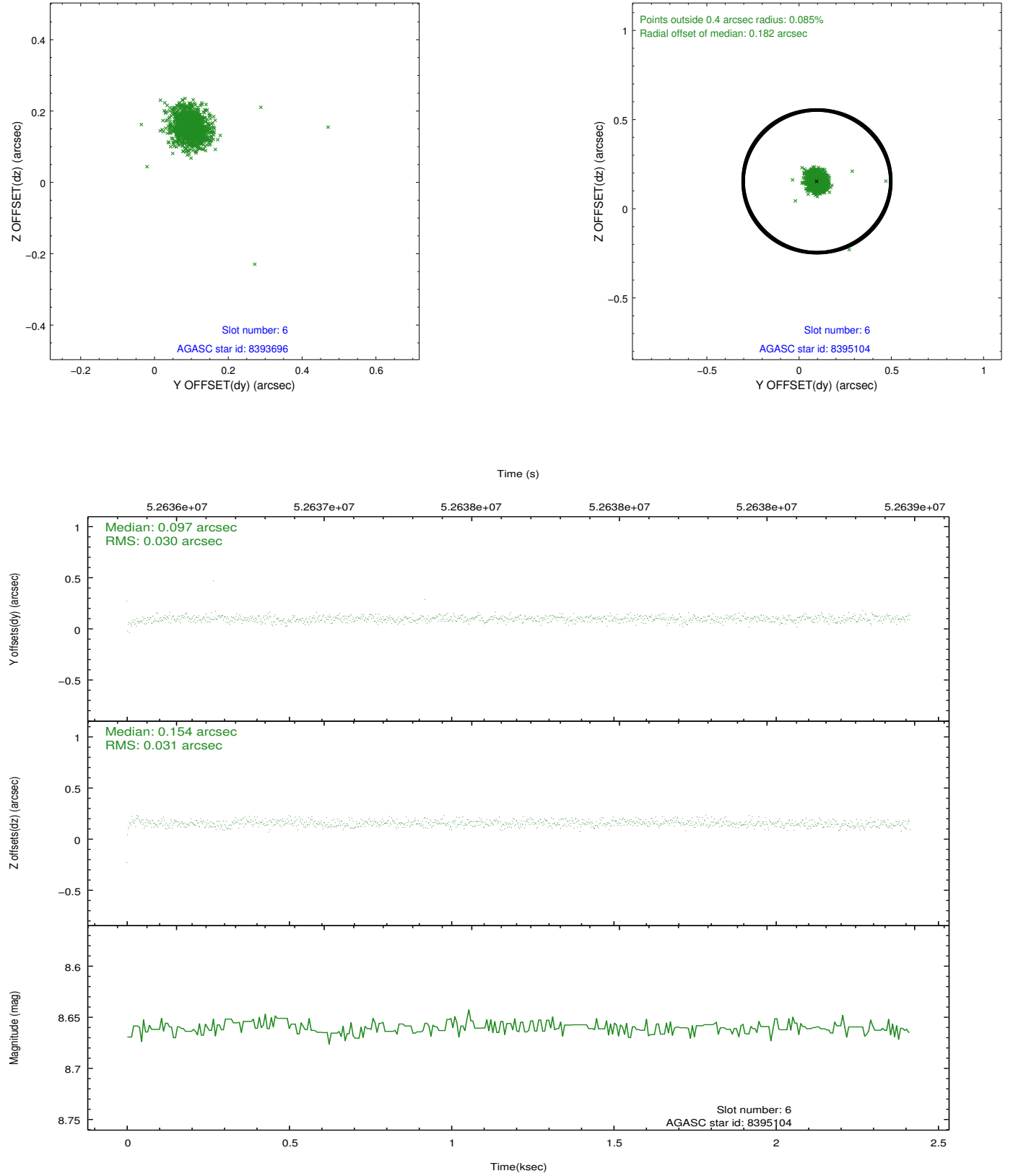
## 2.4.2 Slot 4



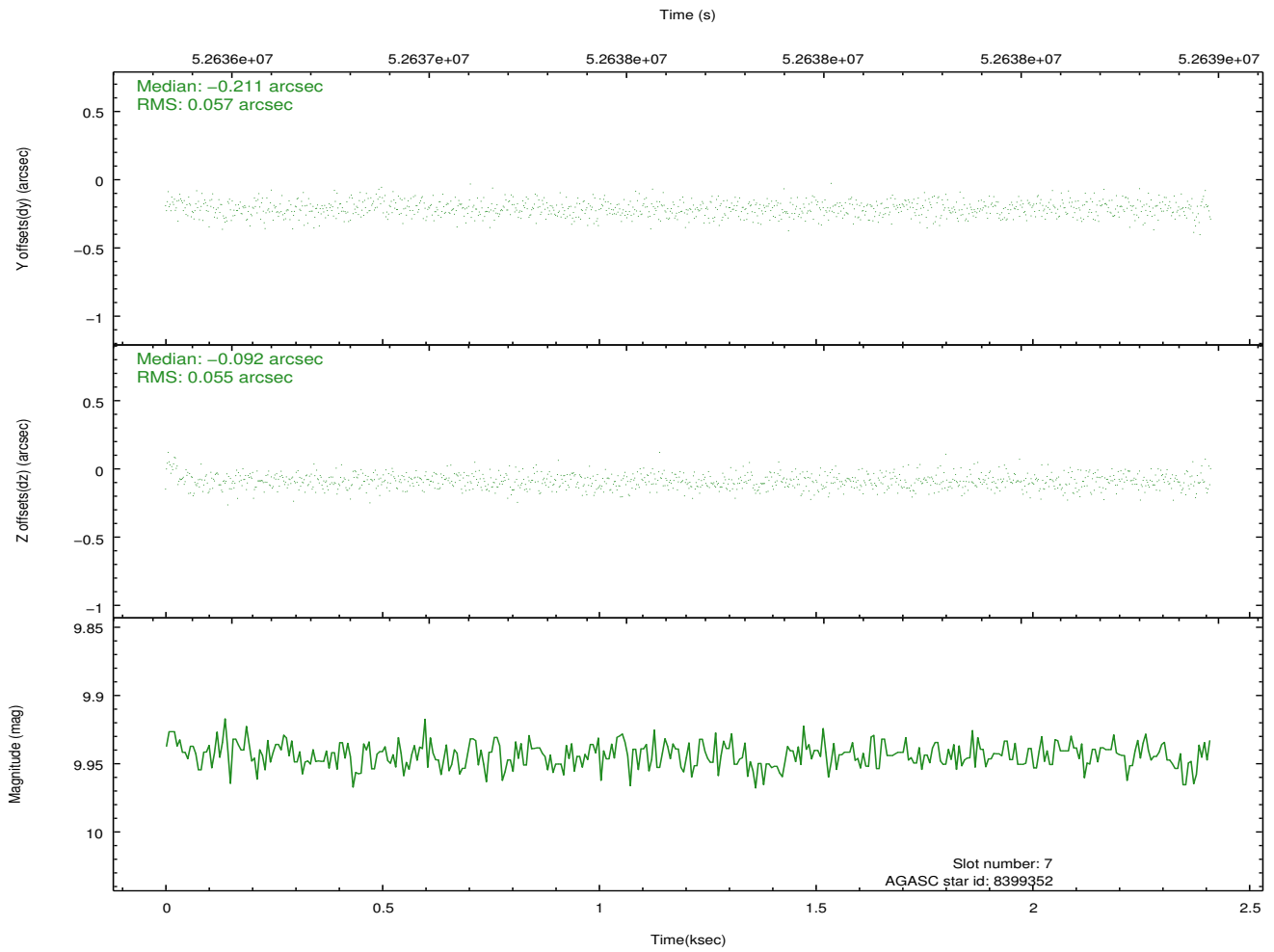
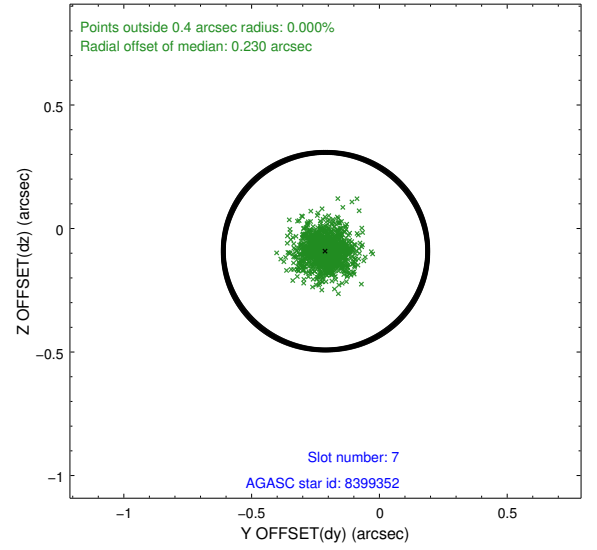
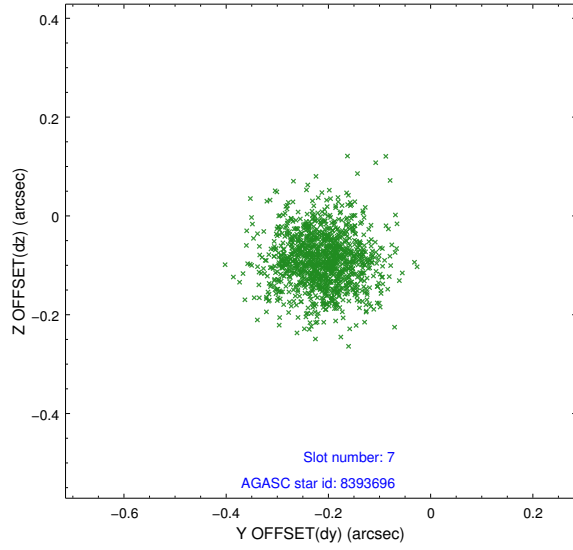
### 2.4.3 Slot 5



## 2.4.4 Slot 6

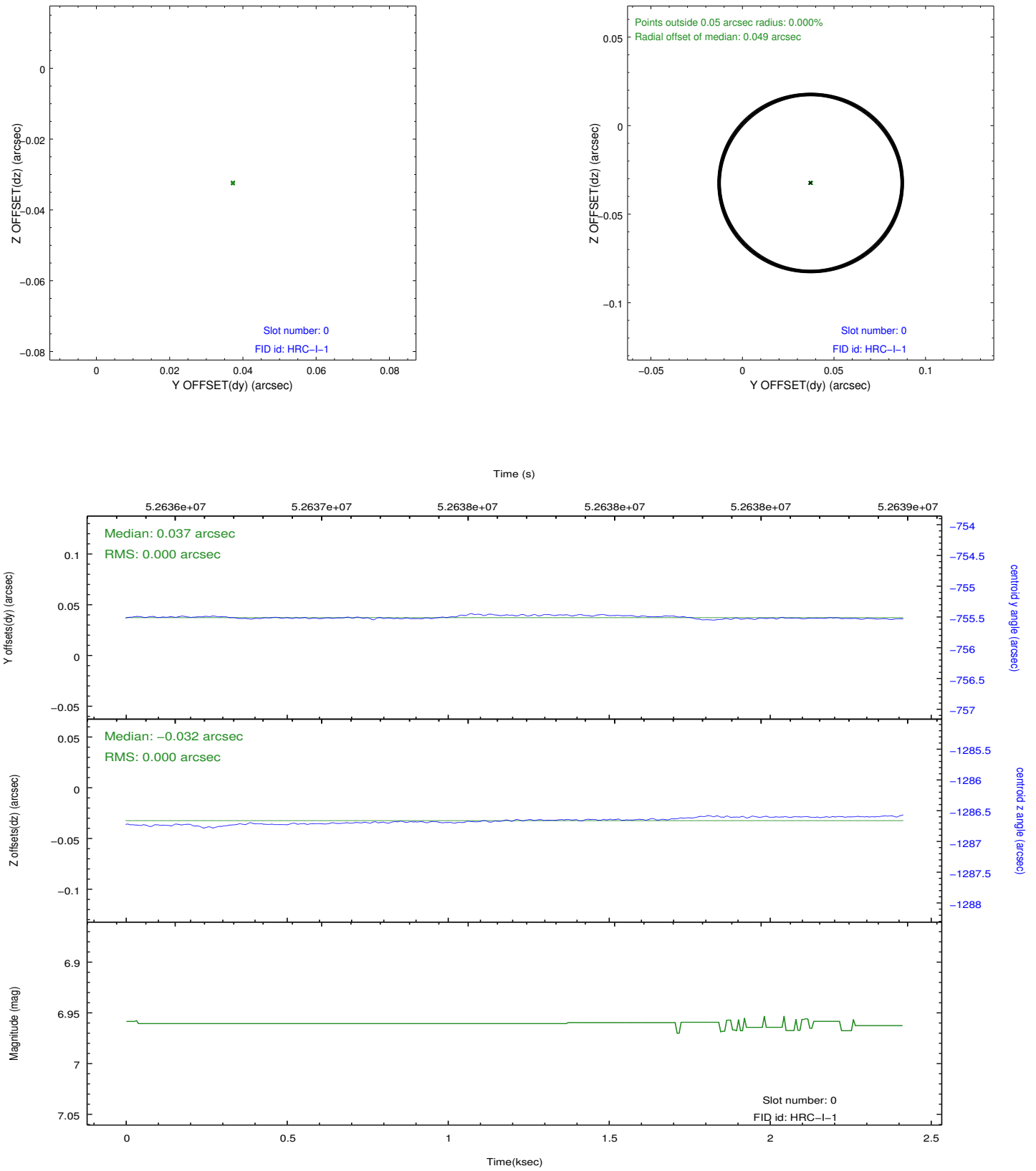


## 2.4.5 Slot 7

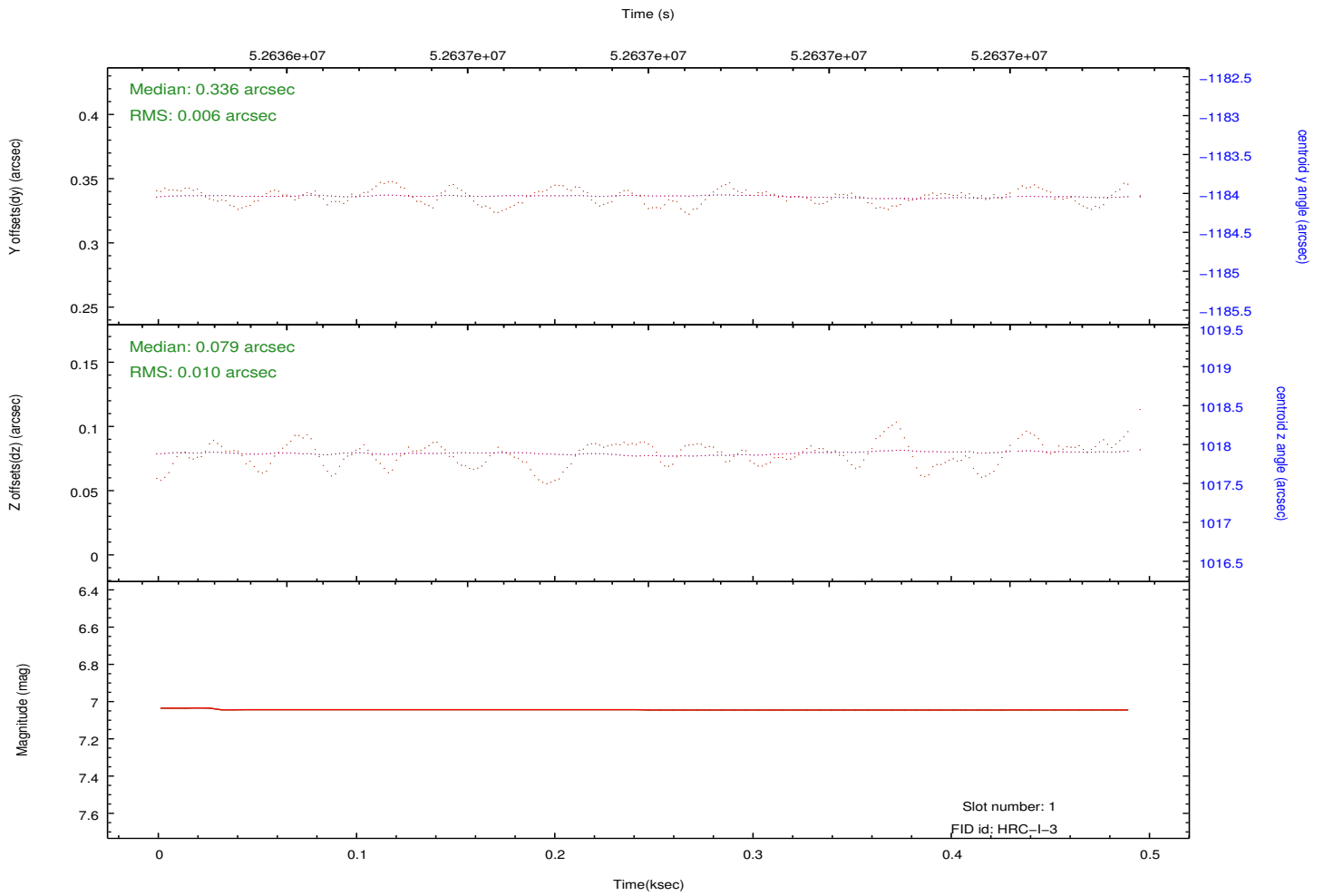
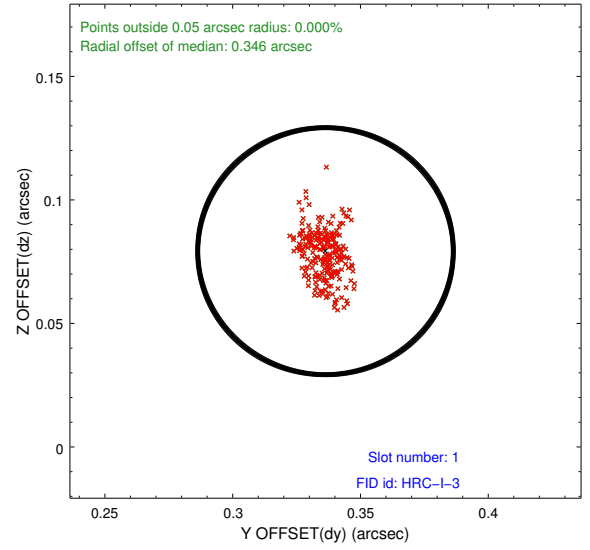
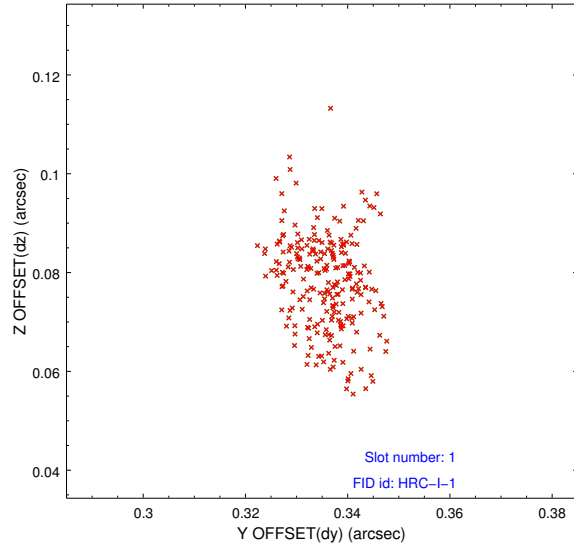


## 2.5 FID Slots

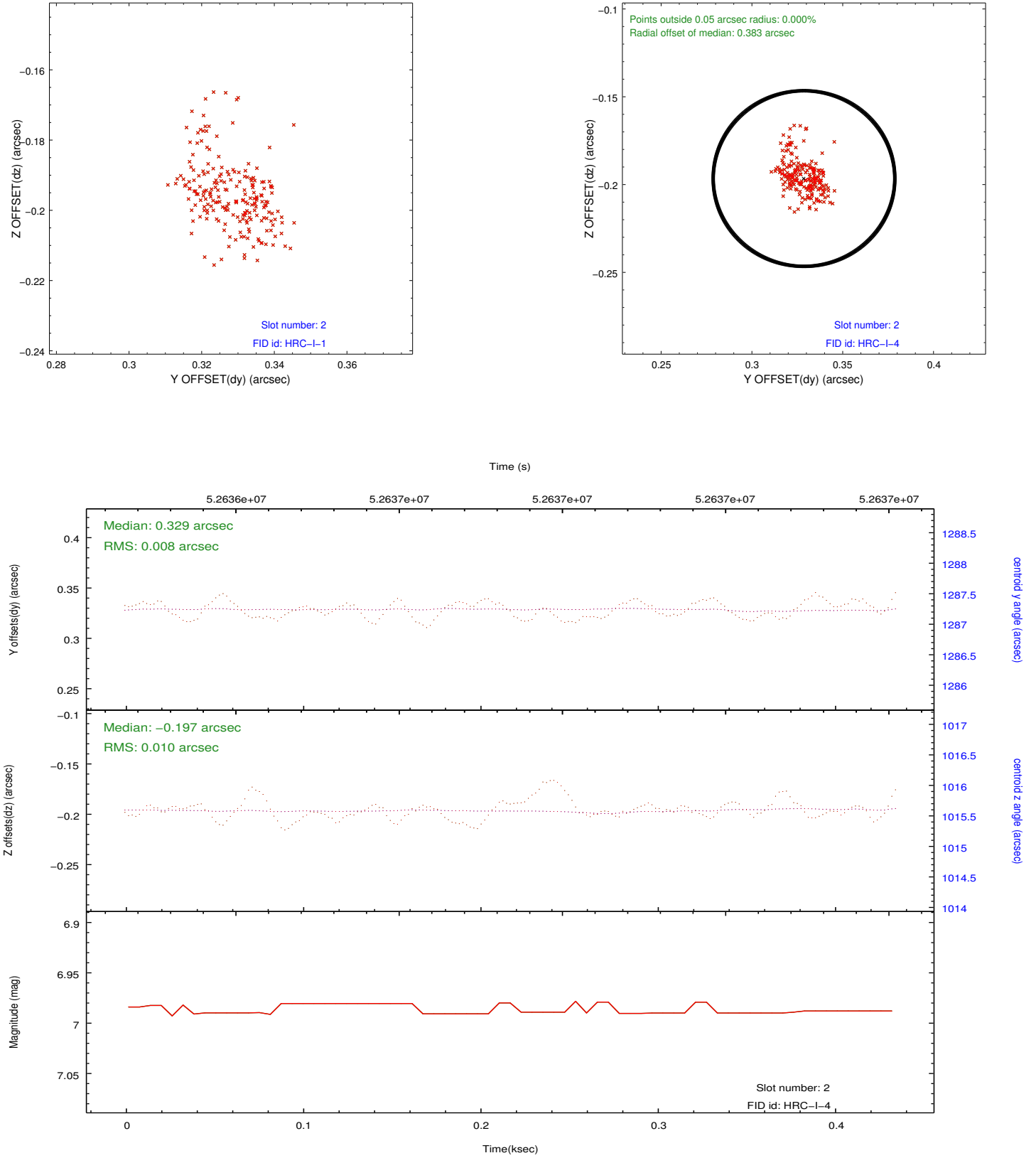
### 2.5.1 Slot 0



## 2.5.2 Slot 1

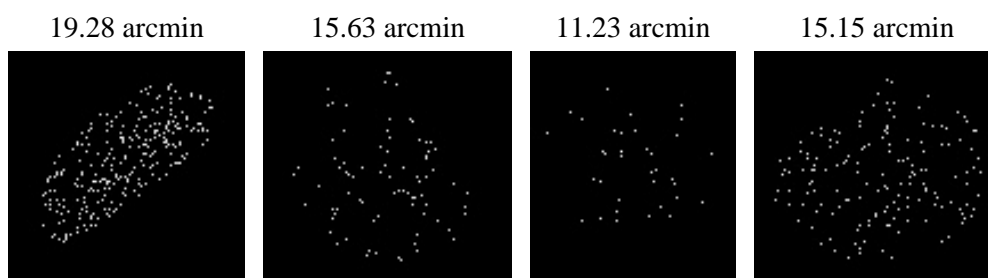


## 2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.01.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.669

## A.2 Comments

HRC shutter focus tests at nominal aim point.=====

Charge time for this observation remains at previous value of 1.669 ksec,

although with the current processing the charge time would have been 1.674 ksec.

==

Fid lights in slots 1 and 2 were blocked by the HRC shutter. Only 1 fid light

was available for use. The pointing solution is degraded when only 1 fid light is available. SIM theta offset has been set to zero.