

# V&V Reference Report

## L2 ASCDS Version : 8.2.1

Observation 1138 - L2 Version 4

Chandra X-Ray Center

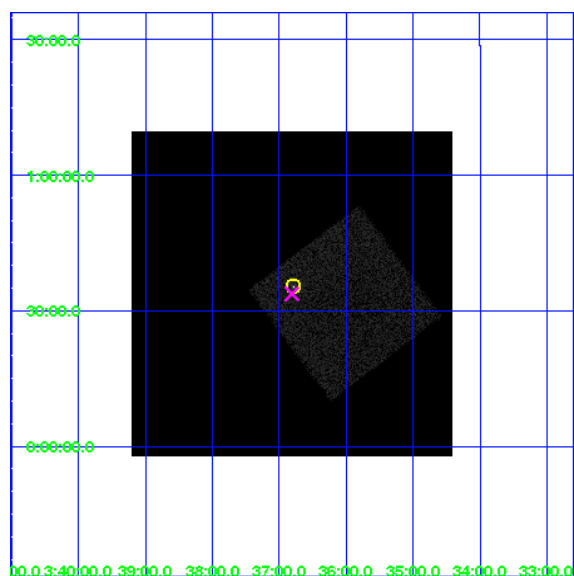
L2 Processing Date : Jan 12 2010

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# 1 Front

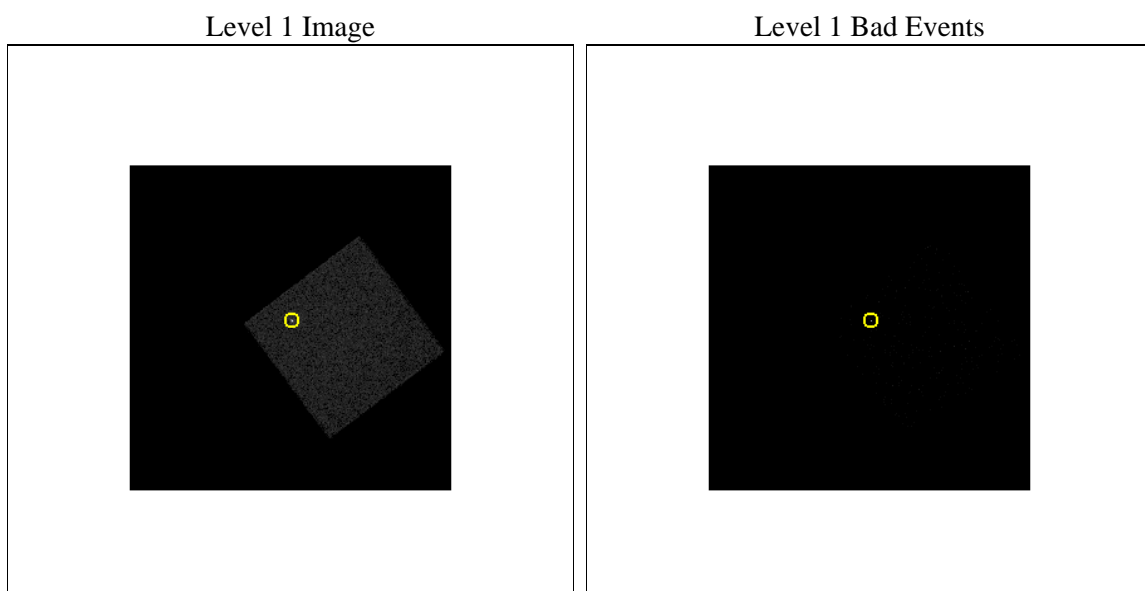
seq_num	280088	Sequence number
obs_id	1138	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HR1099	Source name
ra_targ	54.197083	Observer's specified target RA
dec_targ	0.589972	Observer's specified target Dec
ra_nom	54.203063126411	Nominal RA
dec_nom	0.56264249901029	Nominal Dec
roll_nom	98.102279483255	Nominal Roll
revision	4	Processing version of data
ontime	795.65627857298	[s]
livetime	789.05034724047	Ontime multiplied by DTCOR
l2events	34759	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	Scheduled observation exposure time
ascdsver	8.2.1	Processing system revision	ontime	795.65627857298	[s]
caldbver	4.1.5	&#160	l1events	55610	Number of level 1 events
date	2010-01-12T22:33:51	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

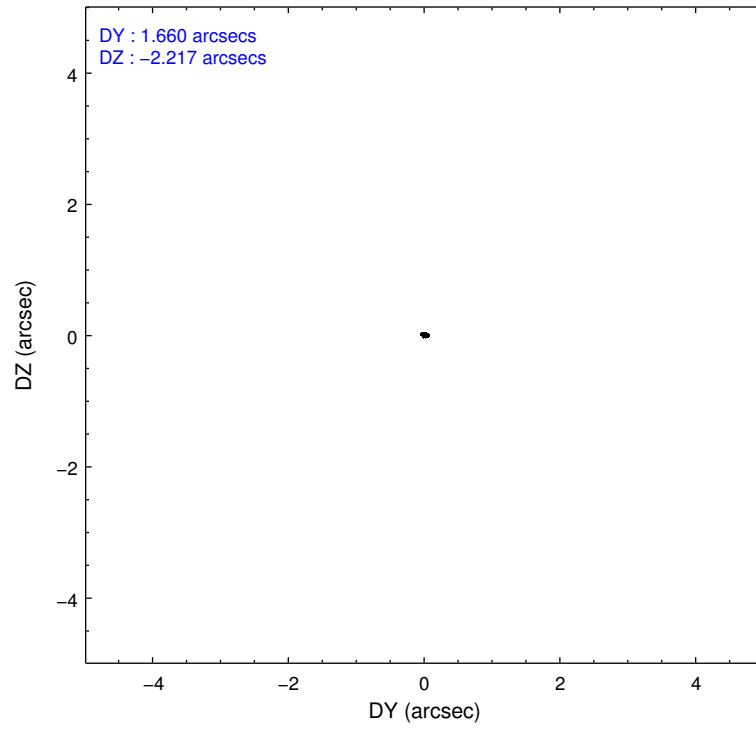
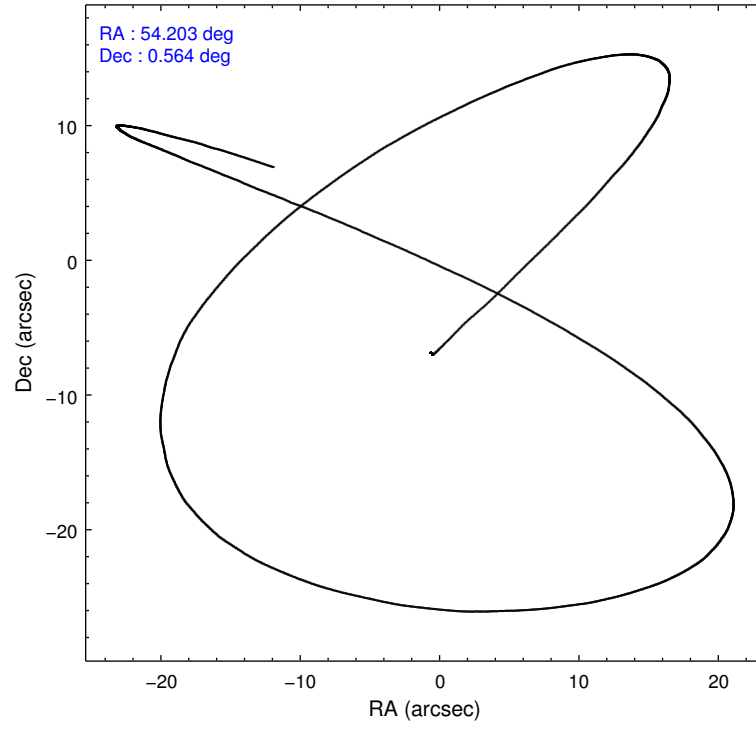
	<b>segment 0</b>
level 1 events	55610
rejected events	3245
rejected %	5%

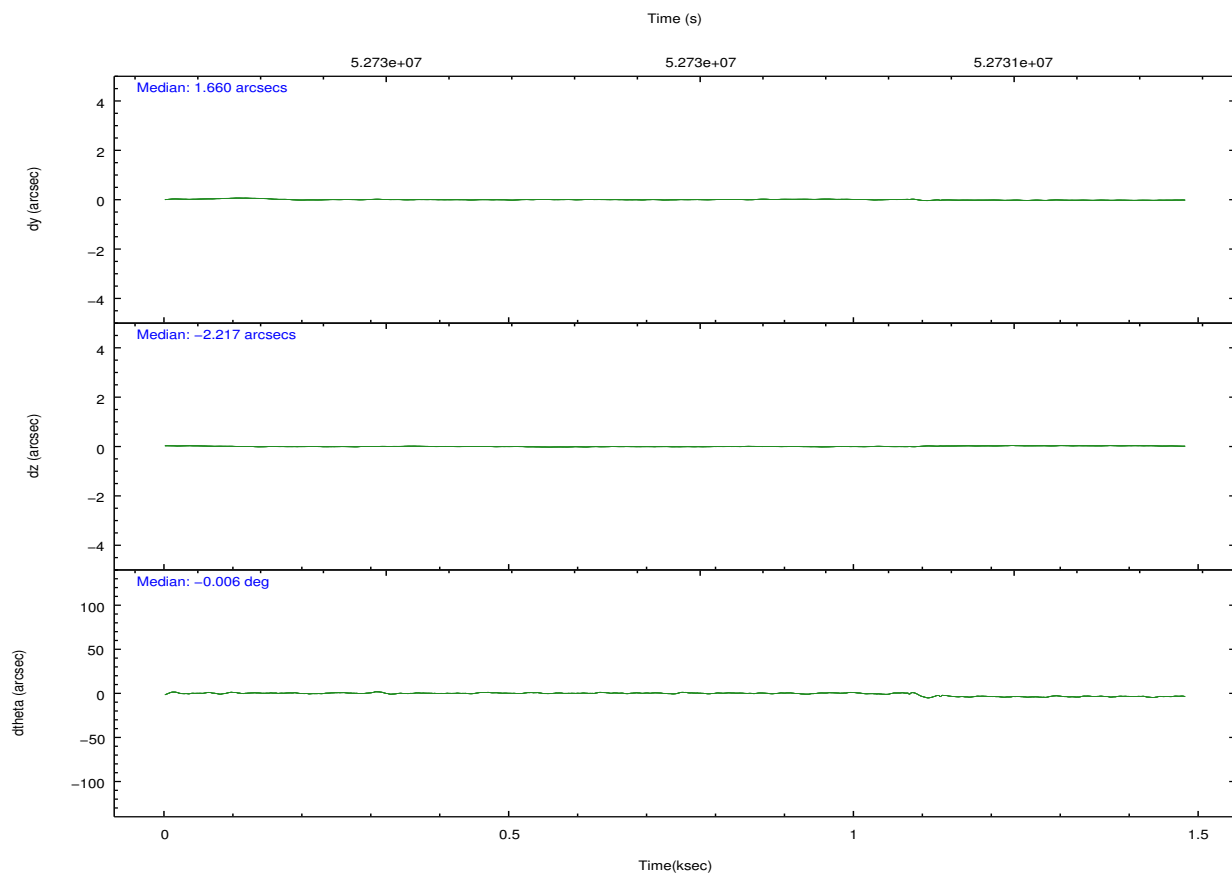
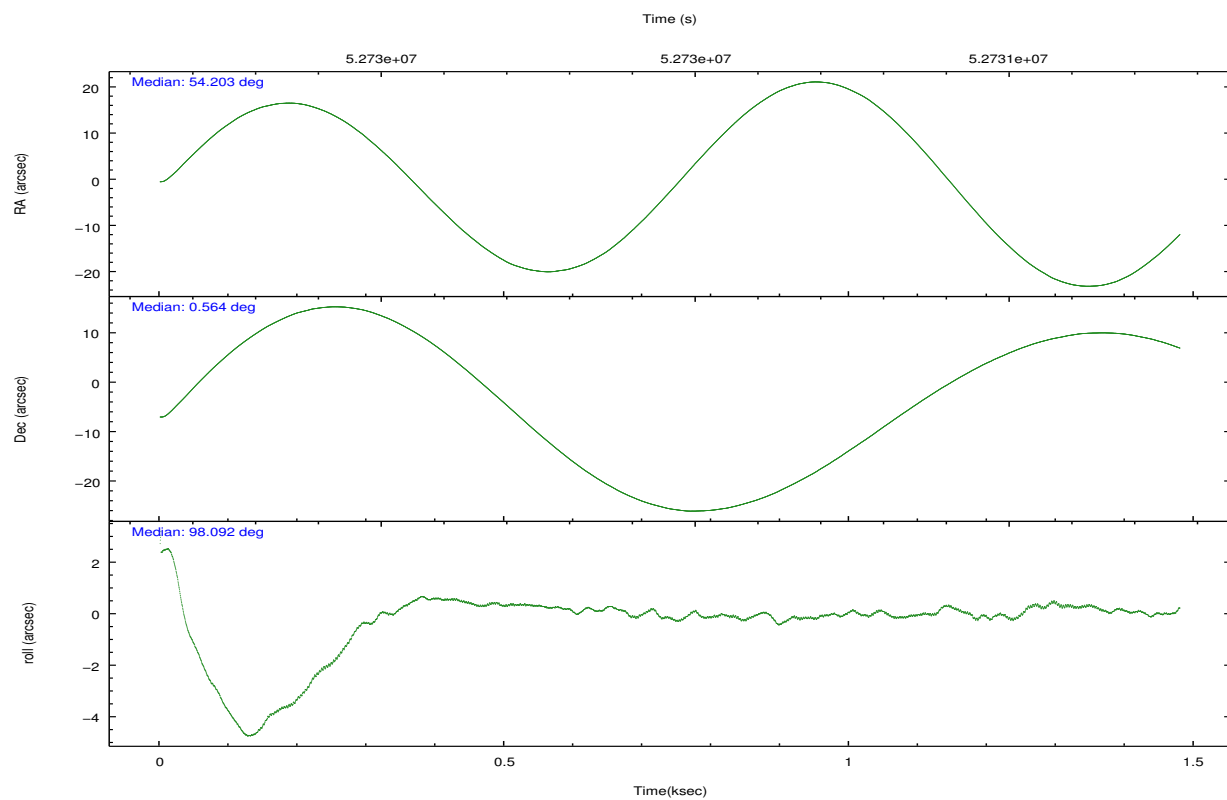
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	54.220097	54.20306312641141
Pointing Dec	0.540079	0.5626424990102858
Pointing Roll	98.197571	98.10227948325488
SIM focus pos (mm)	-1.040293	-1.300001029371461
SIM defocus (mm)	0	-0.259708408712586
SIM translation stage pos (mm)	91.869942	91.86553817309772
SIM translation stage offset (mm)	35.115552	35.11995071850384
Observation start time	52730202.184000	52729535.869451
Observation start date	1999-09-03T07:15:38	1999-09-03T07:05:35
Observation end time	52731202.184000	52731335.769516
Observation end date	1999-09-03T07:32:18	1999-09-03T07:35:35

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

## 2.3 Aspect





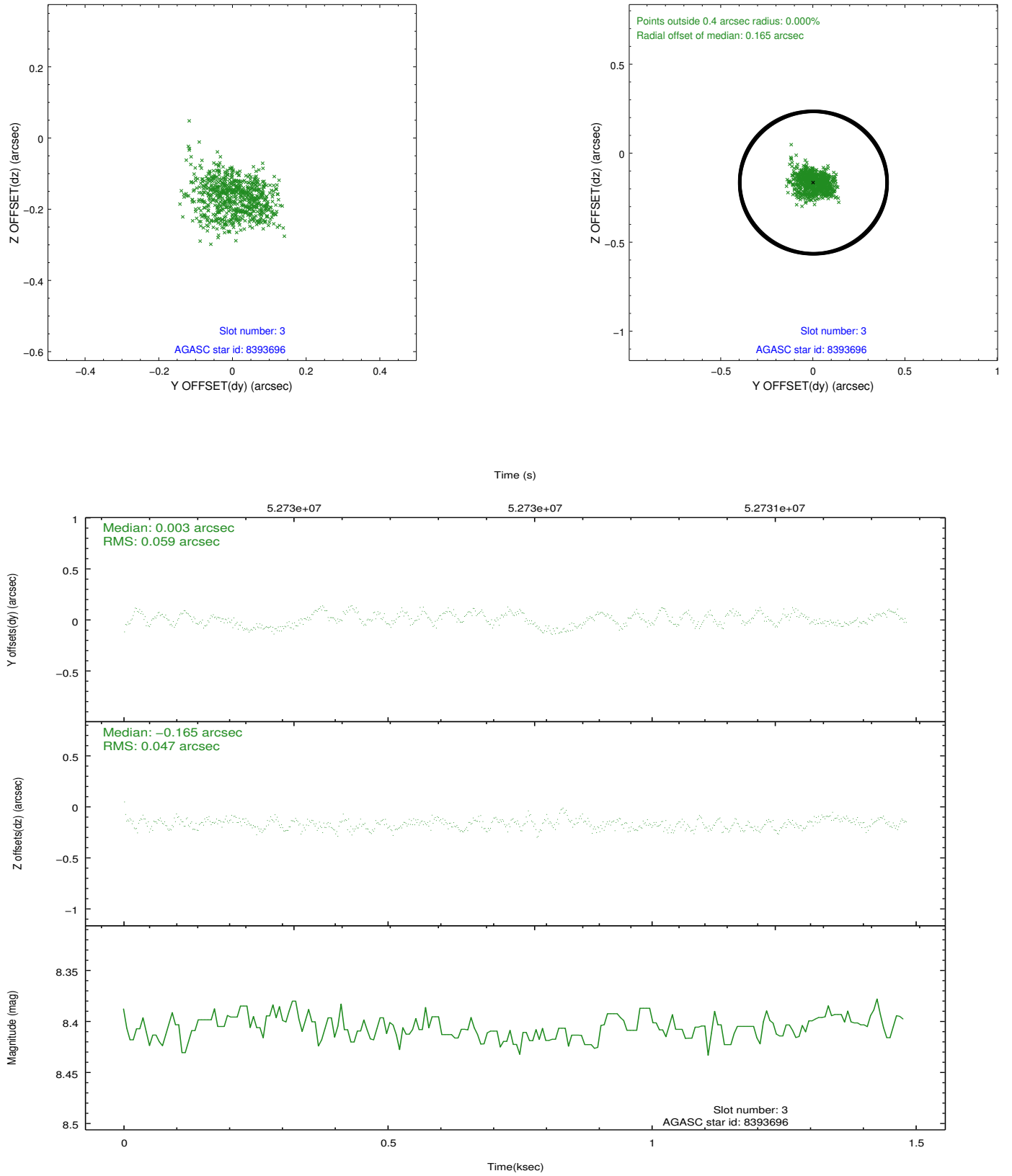
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	723	-0.262	-0.124	0.011	0.064	0.000000	0.000000	-755.81	-567.51
1	FID	HRC-I-3	7.01	723	0.249	-0.231	0.012	0.057	0.000000	0.000000	-1187.44	1739.84
2	FID	HRC-I-4	6.87	723	0.128	0.264	0.006	0.011	0.000000	0.000000	1283.06	1741.74
3	GUIDE	8393696	8.41	723	0.003	-0.165	0.081	0.123	53.645666	0.680479	790.92	1974.27
4	GUIDE	8398800	8.69	723	0.037	0.091	0.058	0.091	54.242352	0.922024	1346.73	-272.59
5	GUIDE	8390744	9.02	723	-0.041	-0.128	0.081	0.132	53.677290	0.926294	1652.42	1735.17
6	GUIDE	8395104	8.66	721	0.003	0.201	0.072	0.115	54.744893	0.796520	643.23	-1999.00
7	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

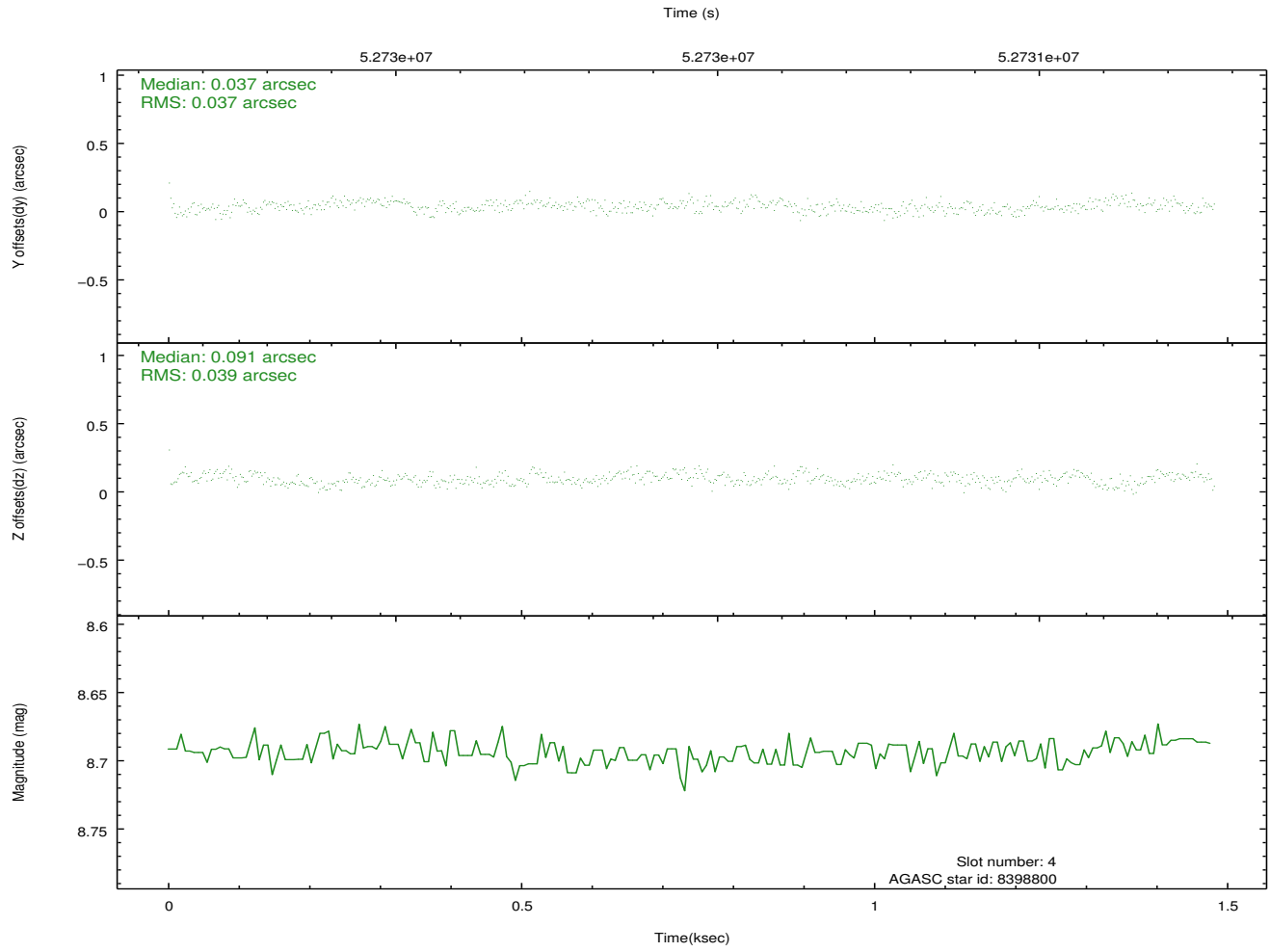
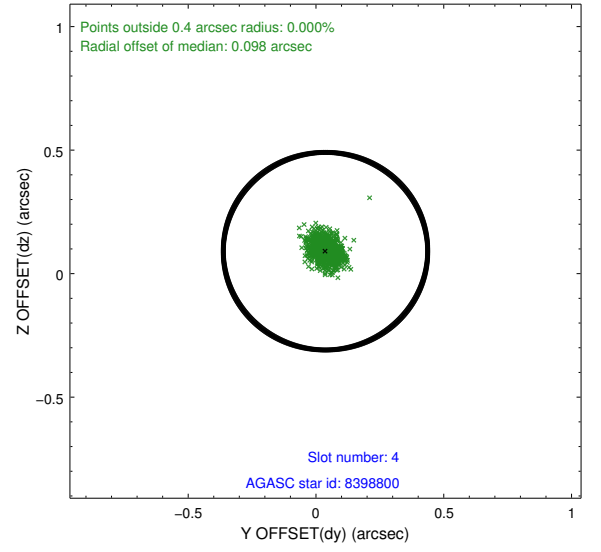
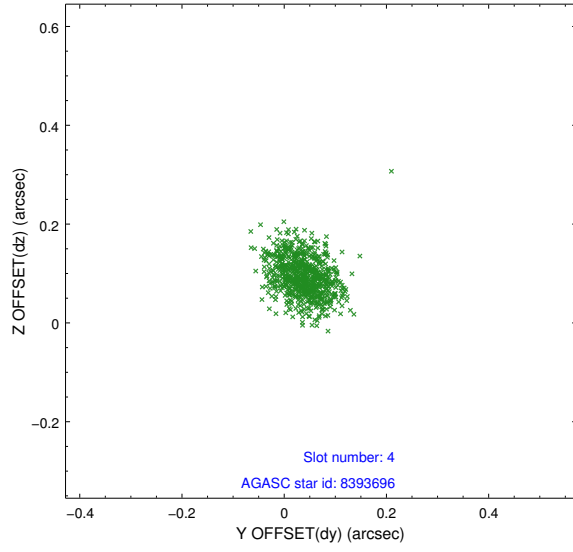


## 2.4 Star Slots

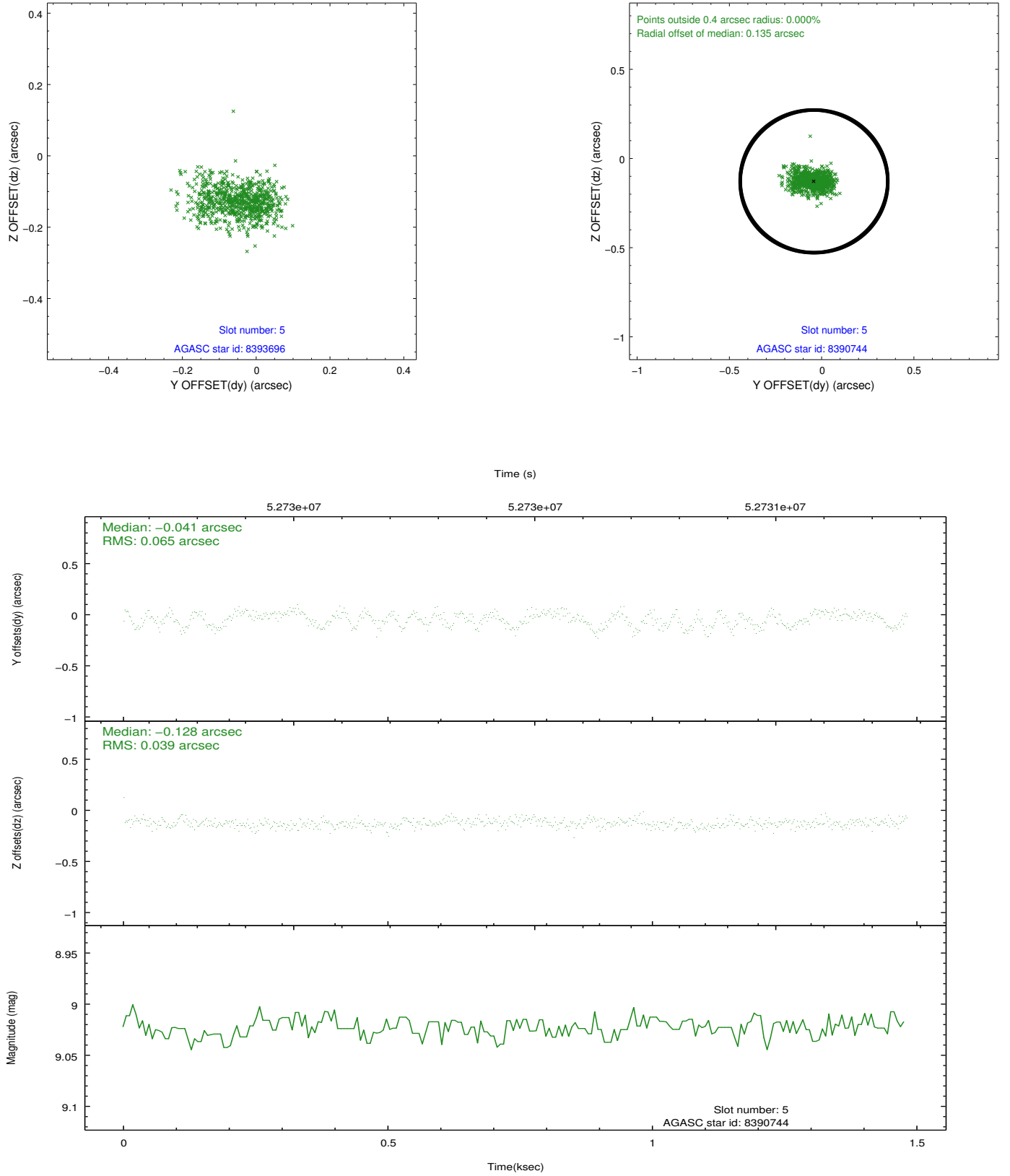
### 2.4.1 Slot 3



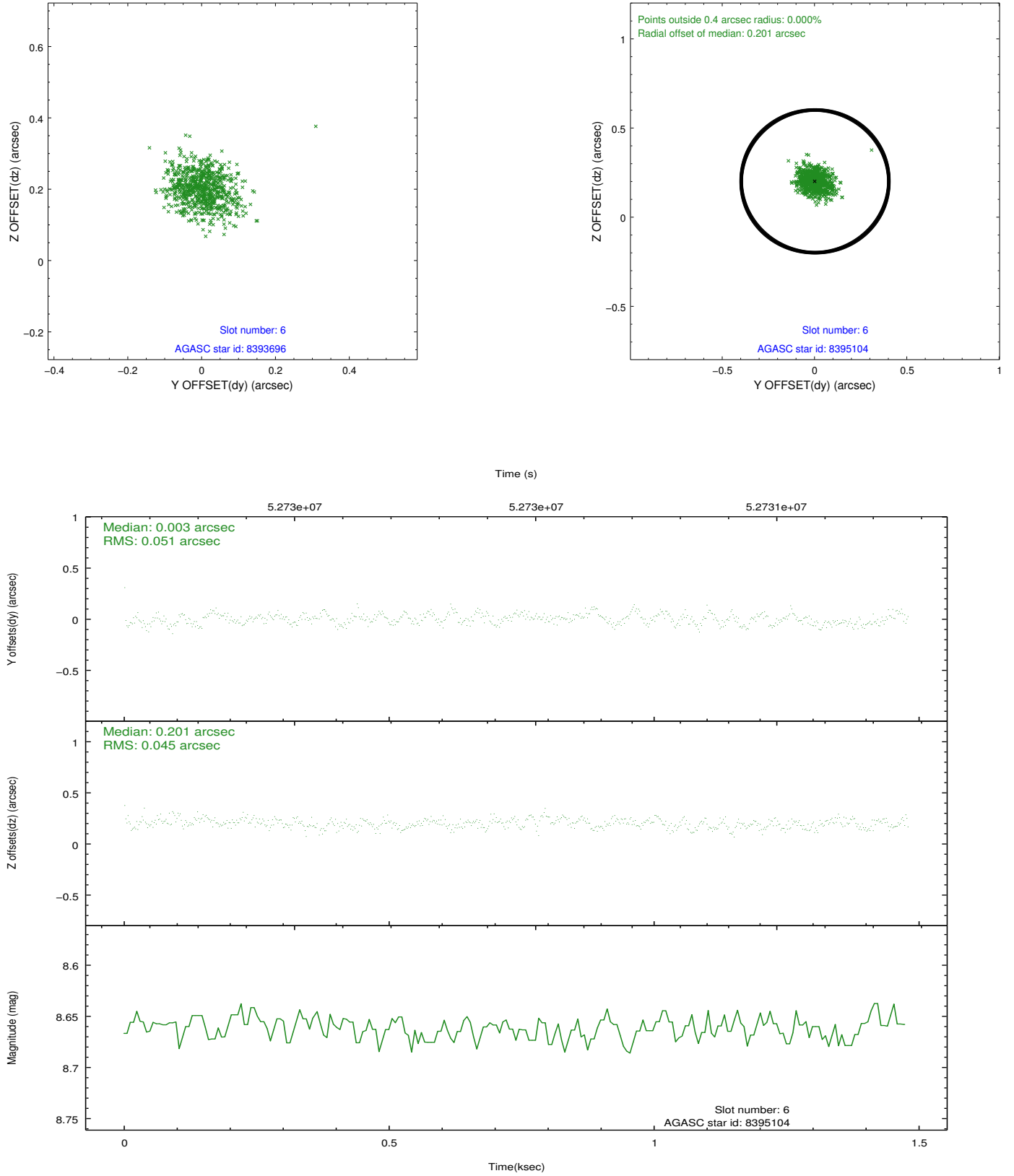
## 2.4.2 Slot 4



### 2.4.3 Slot 5

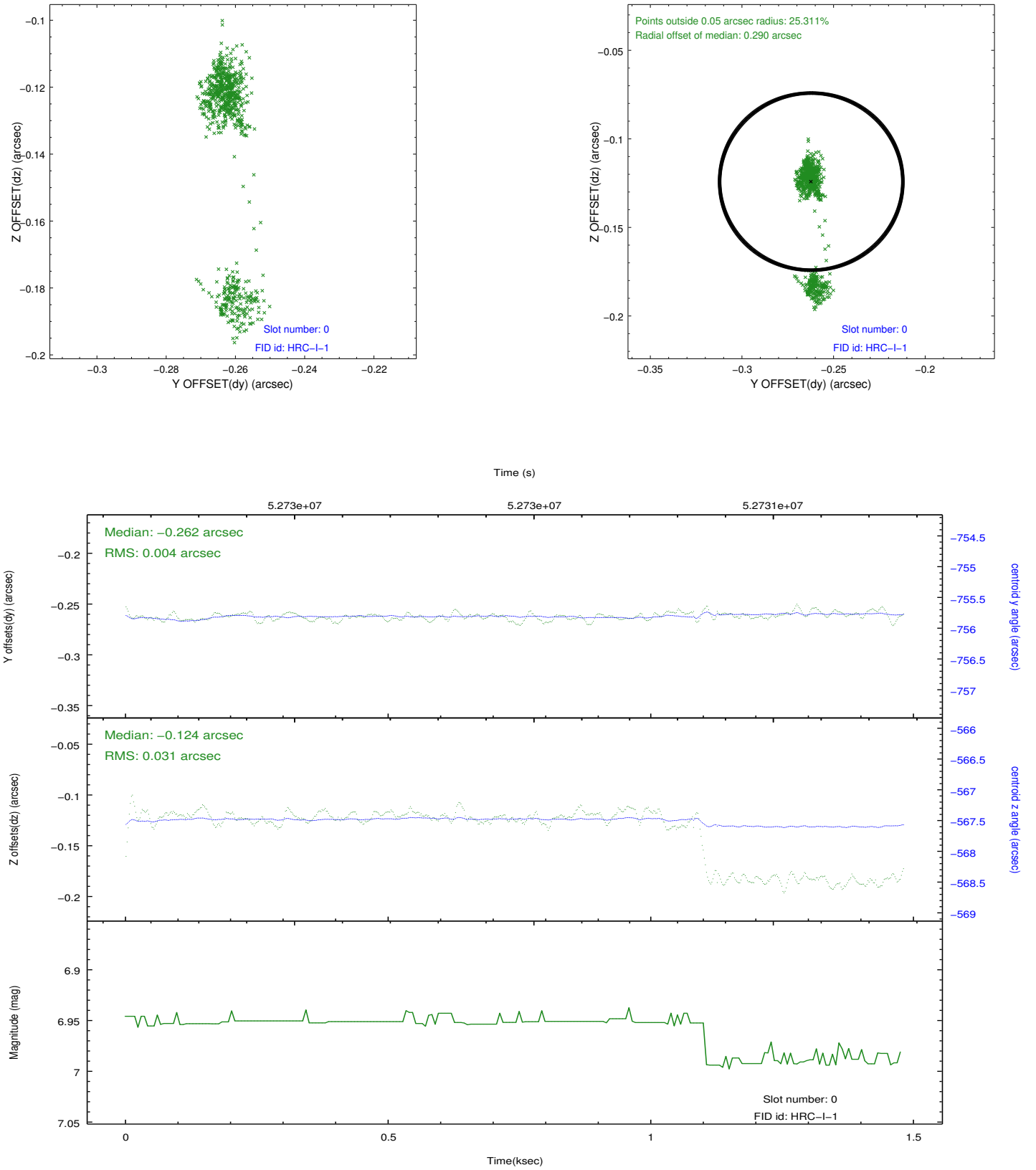


## 2.4.4 Slot 6

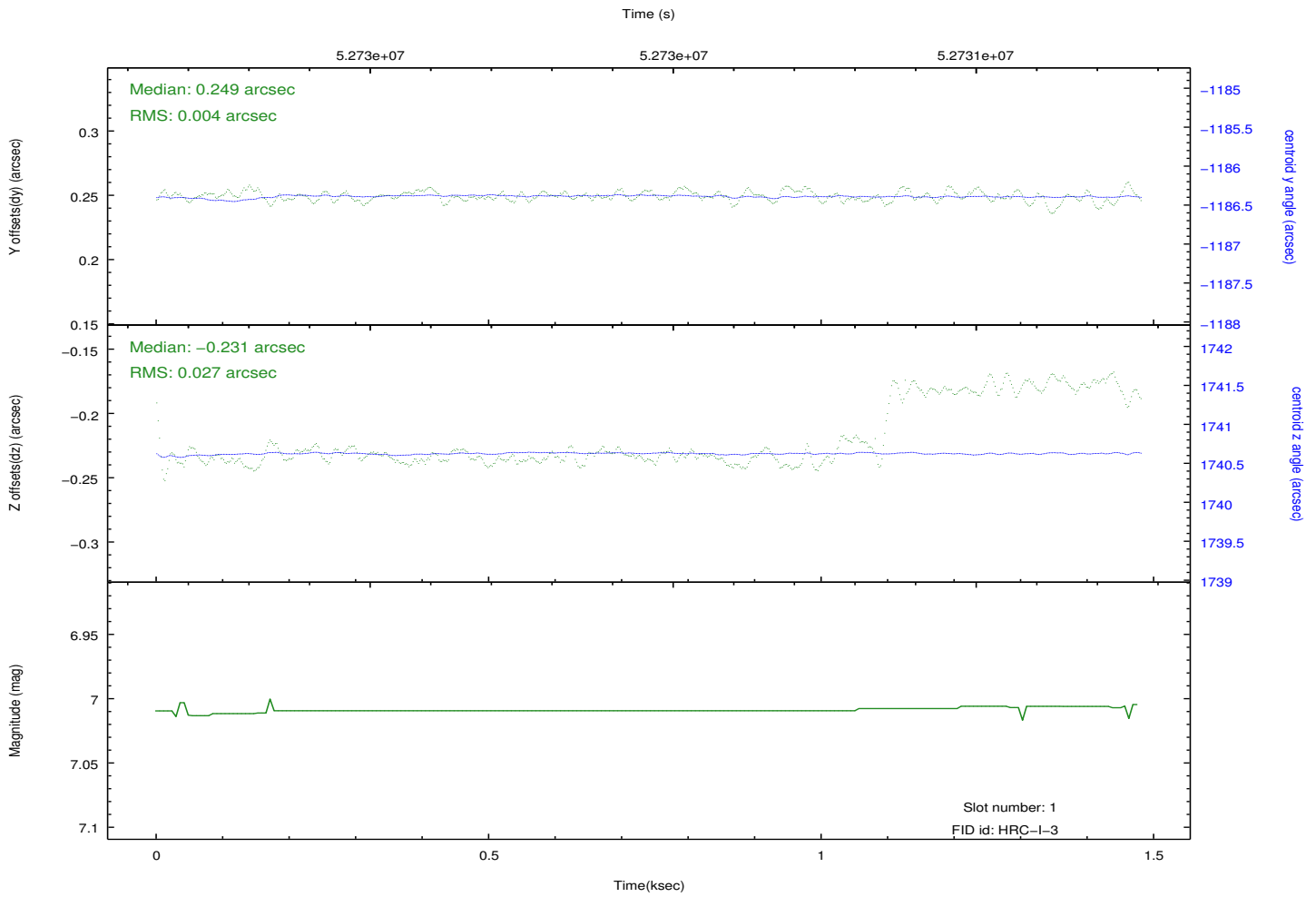
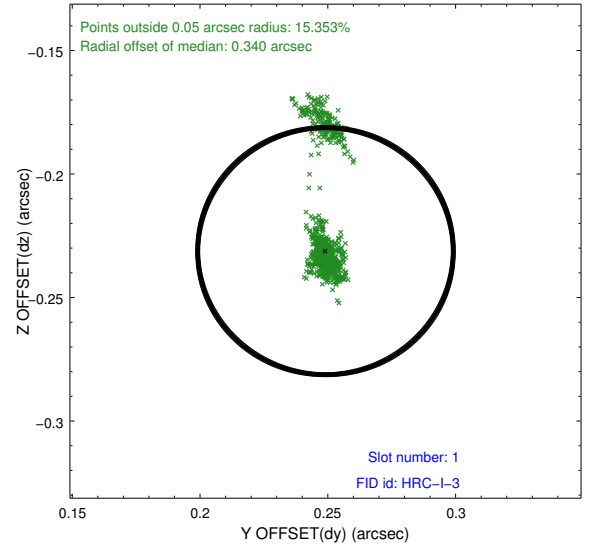
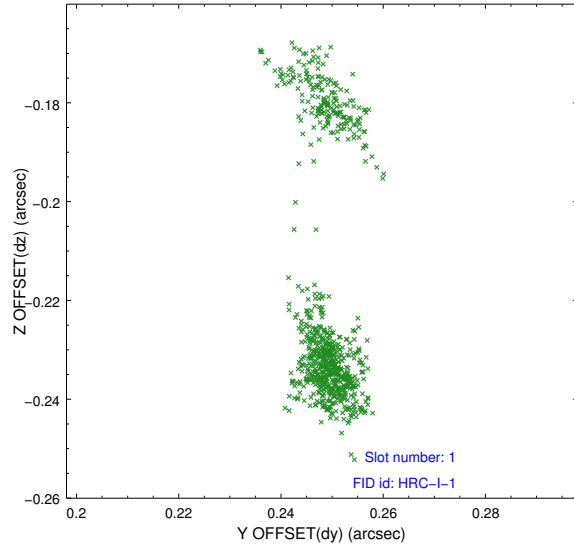


## 2.5 FID Slots

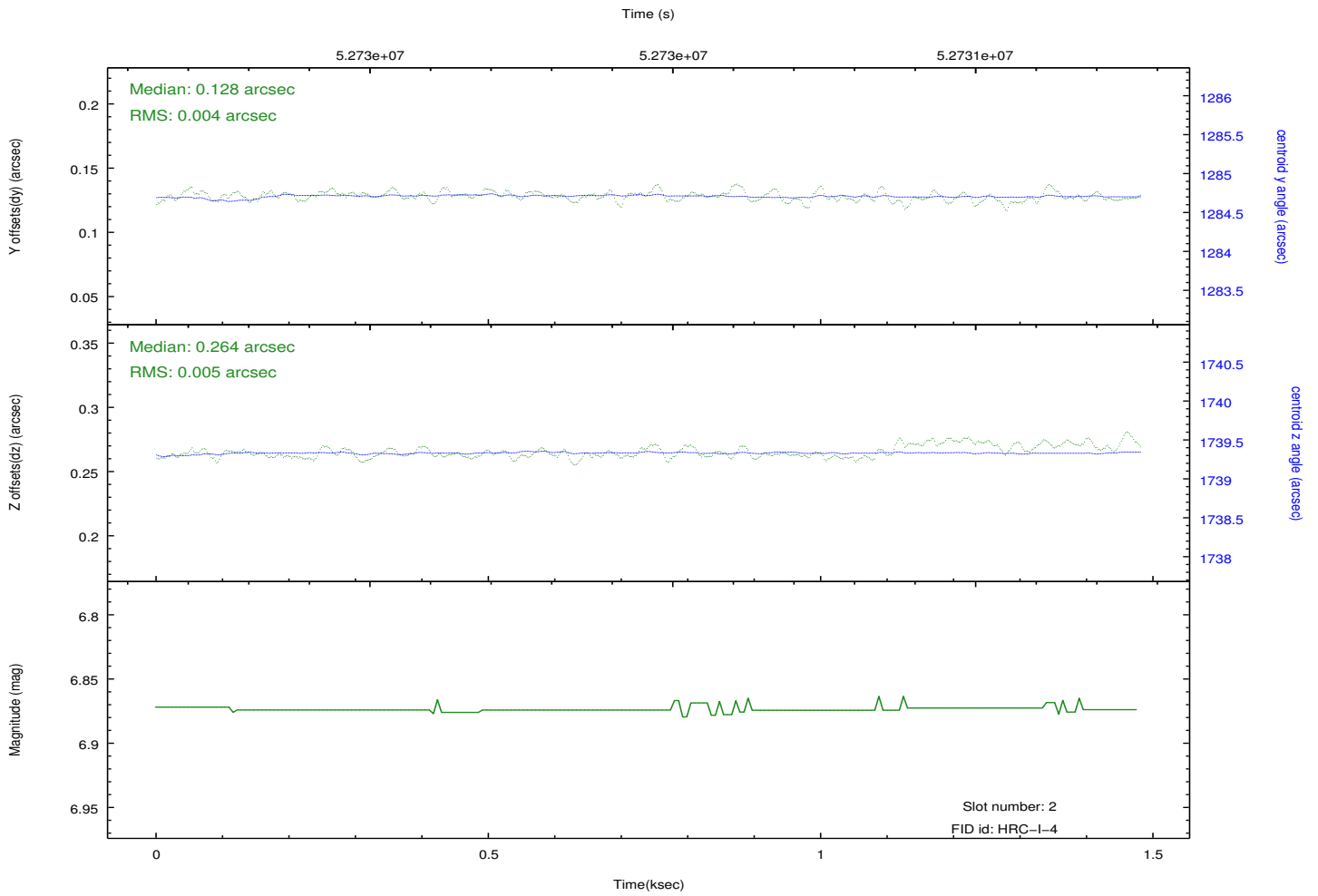
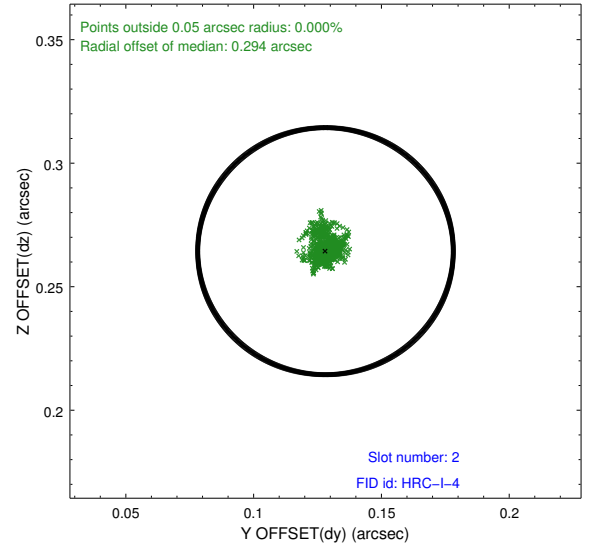
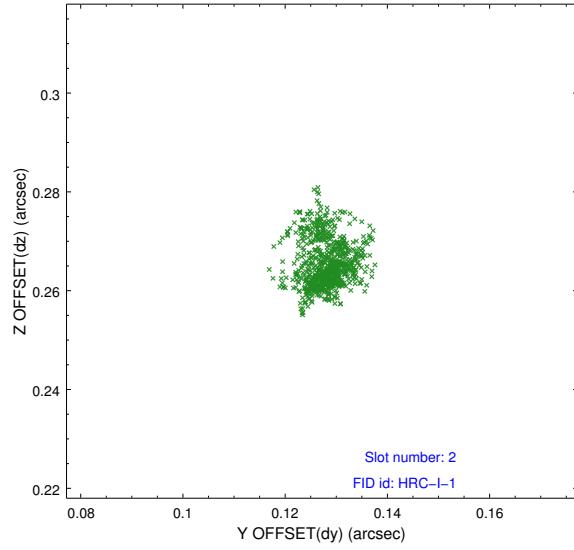
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.02.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.795

## A.2 Comments

This observation was performed with a large SIM offset, per PI request. As a result, the fid light positions are offset beyond normally expected ranges, but the fid light position correction has compensated for this offset.

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Slot 7 was not utilized in this observation.