

# V&V Reference Report

## L2 ASCDS Version : 8.2.1

Observation 1151 - L2 Version 3

Chandra X-Ray Center

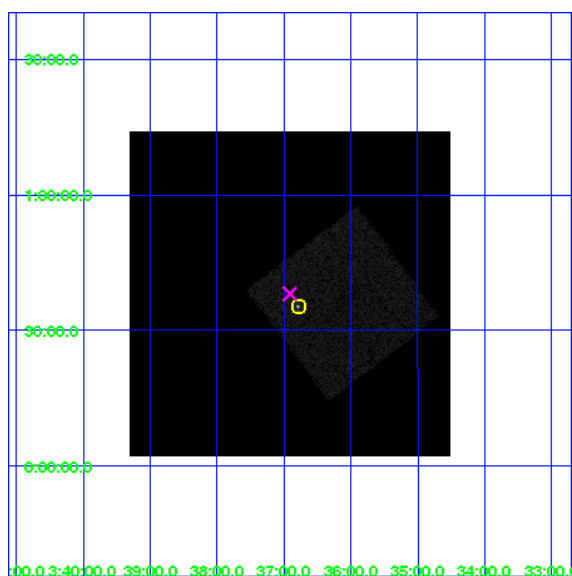
L2 Processing Date : Jan 12 2010

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# 1 Front

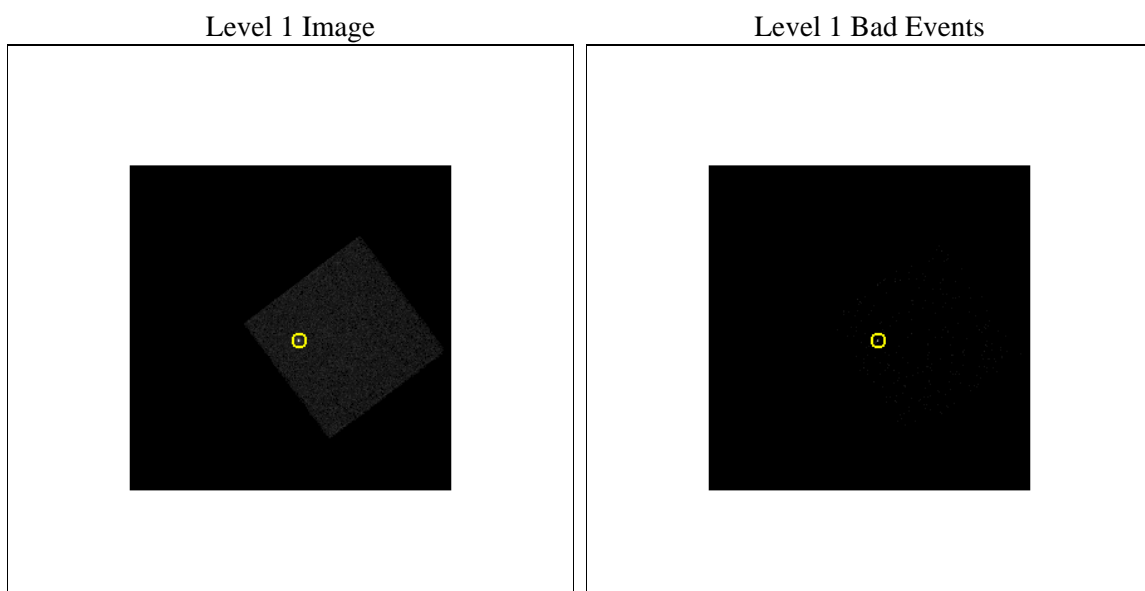
seq_num	280101	Sequence number
obs_id	1151	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HR1099	Source name
ra_targ	54.197083	Observer's specified target RA
dec_targ	0.589972	Observer's specified target Dec
ra_nom	54.227998232636	Nominal RA
dec_nom	0.63524520419957	Nominal Dec
roll_nom	98.040555312166	Nominal Roll
revision	3	Processing version of data
ontime	794.63127852976	[s]
livetime	787.12608576114	Ontime multiplied by DTCOR
l2events	46821	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	794.63127852976	[s]
caldbver	4.1.5	&#160	l1events	69965	Number of level 1 events
date	2010-01-13T00:28:50	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

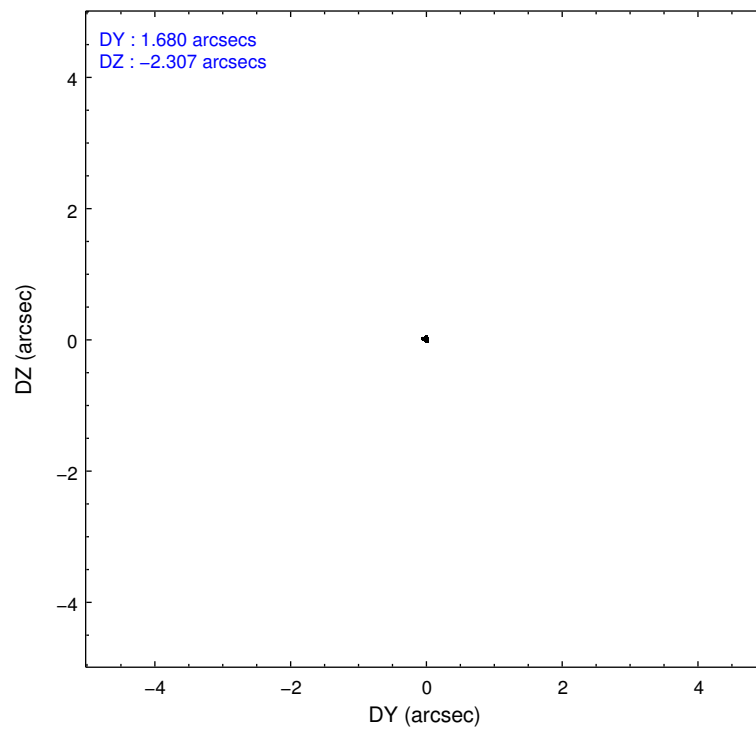
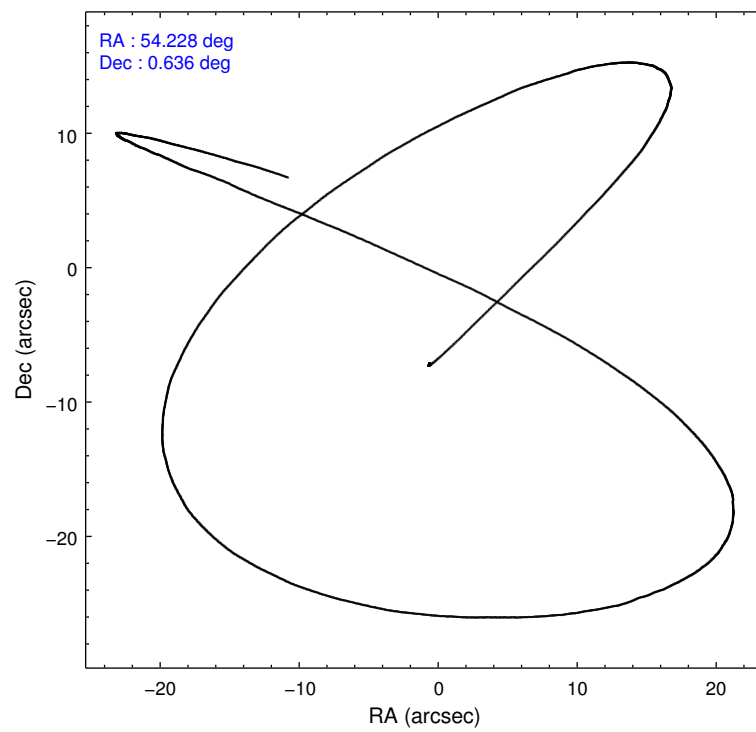
	<b>segment 0</b>
level 1 events	69965
rejected events	4018
rejected %	<b>5%</b>

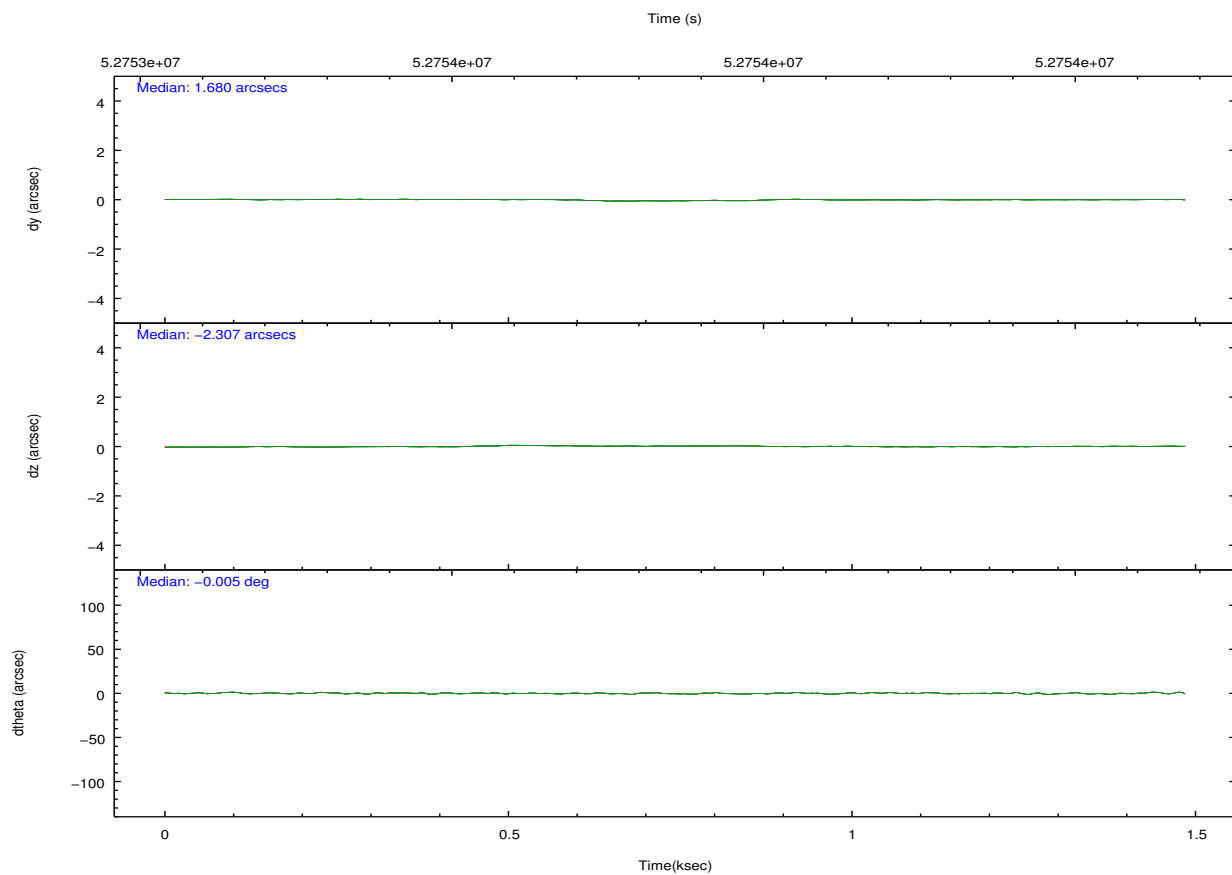
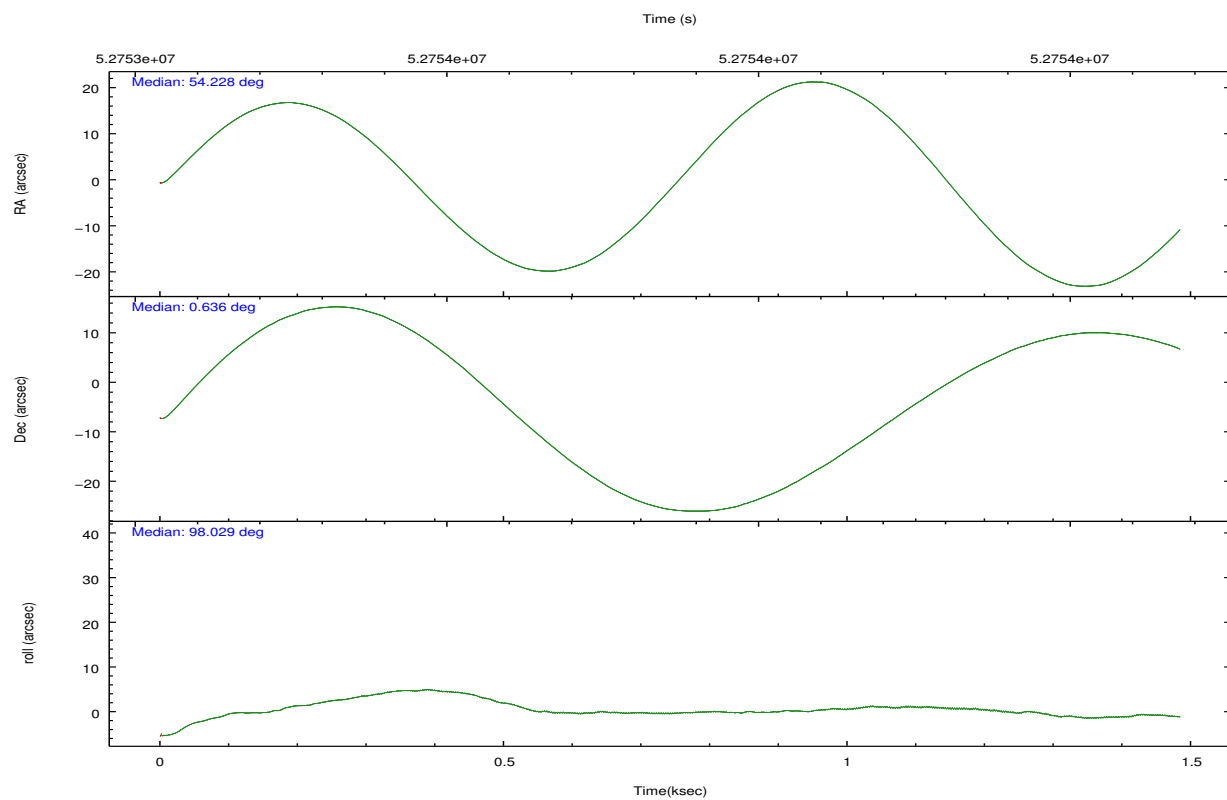
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	54.245023	54.22799823263552
Pointing Dec	0.612657	0.6352452041995711
Pointing Roll	98.135852	98.04055531216629
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	52753602.184000	52752935.595292
Observation start date	1999-09-03T13:45:38	1999-09-03T13:35:35
Observation end time	52754602.184000	52754735.495356
Observation end date	1999-09-03T14:02:18	1999-09-03T14:05:35

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

## 2.3 Aspect





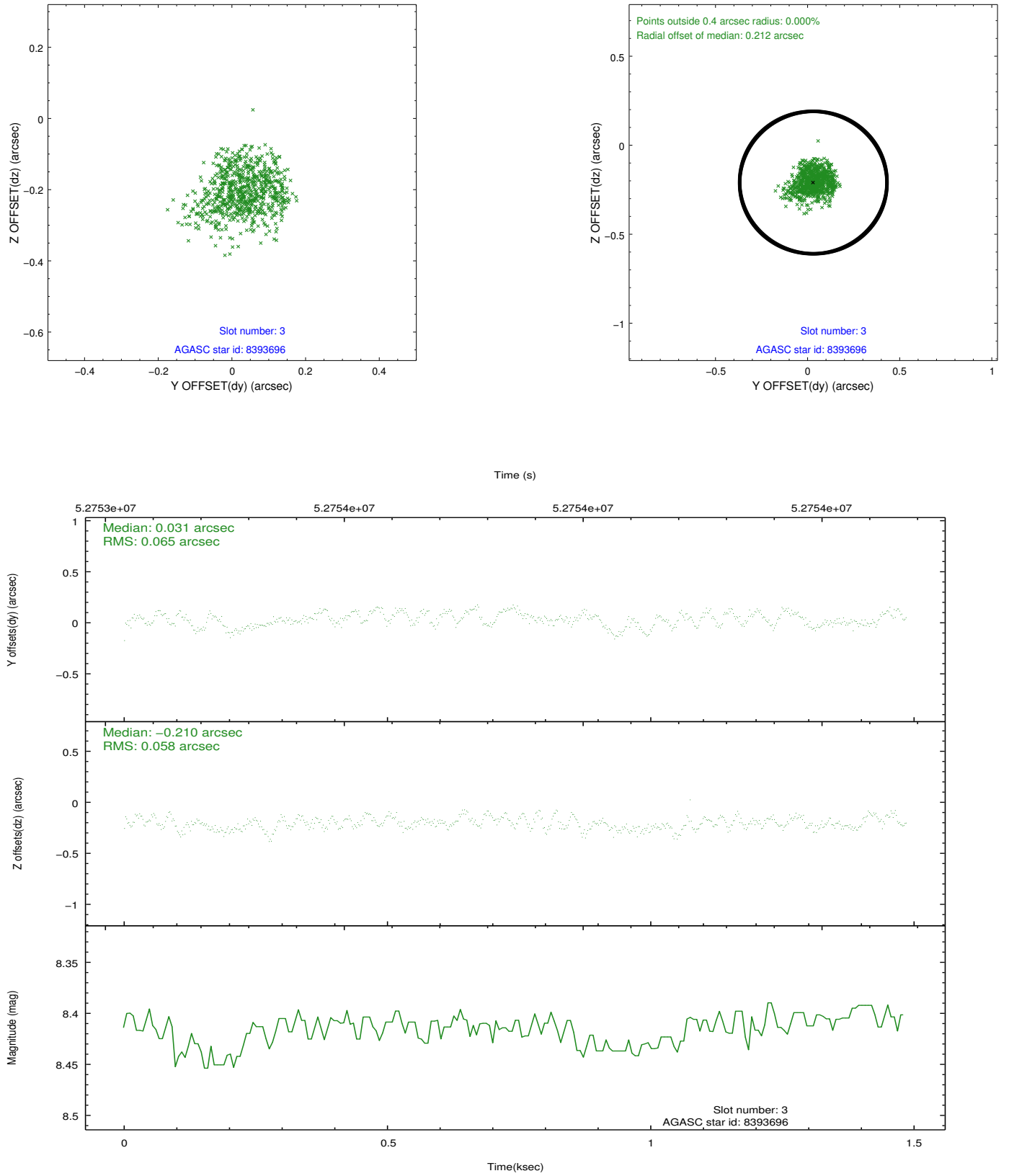
Slot Statistics

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	725	-0.262	-0.128	0.006	0.012	0.000000	0.000000	-755.83	-567.40
1	FID	HRC-I-3	7.01	725	0.251	-0.228	0.007	0.012	0.000000	0.000000	-1187.44	1739.93
2	FID	HRC-I-4	6.87	725	0.127	0.264	0.005	0.008	0.000000	0.000000	1283.06	1741.82
3	GUIDE	8393696	8.41	725	0.031	-0.210	0.095	0.141	53.645666	0.680479	542.53	2100.34
4	GUIDE	8390744	9.02	724	-0.012	-0.121	0.080	0.136	53.677290	0.926294	1403.18	1865.51
5	GUIDE	8395104	8.66	725	0.035	0.188	0.077	0.118	54.744893	0.796520	398.76	-1872.90
6	GUIDE	8397624	9.54	720	-0.059	0.134	0.113	0.188	54.812881	1.297049	2146.75	-2374.83
7	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

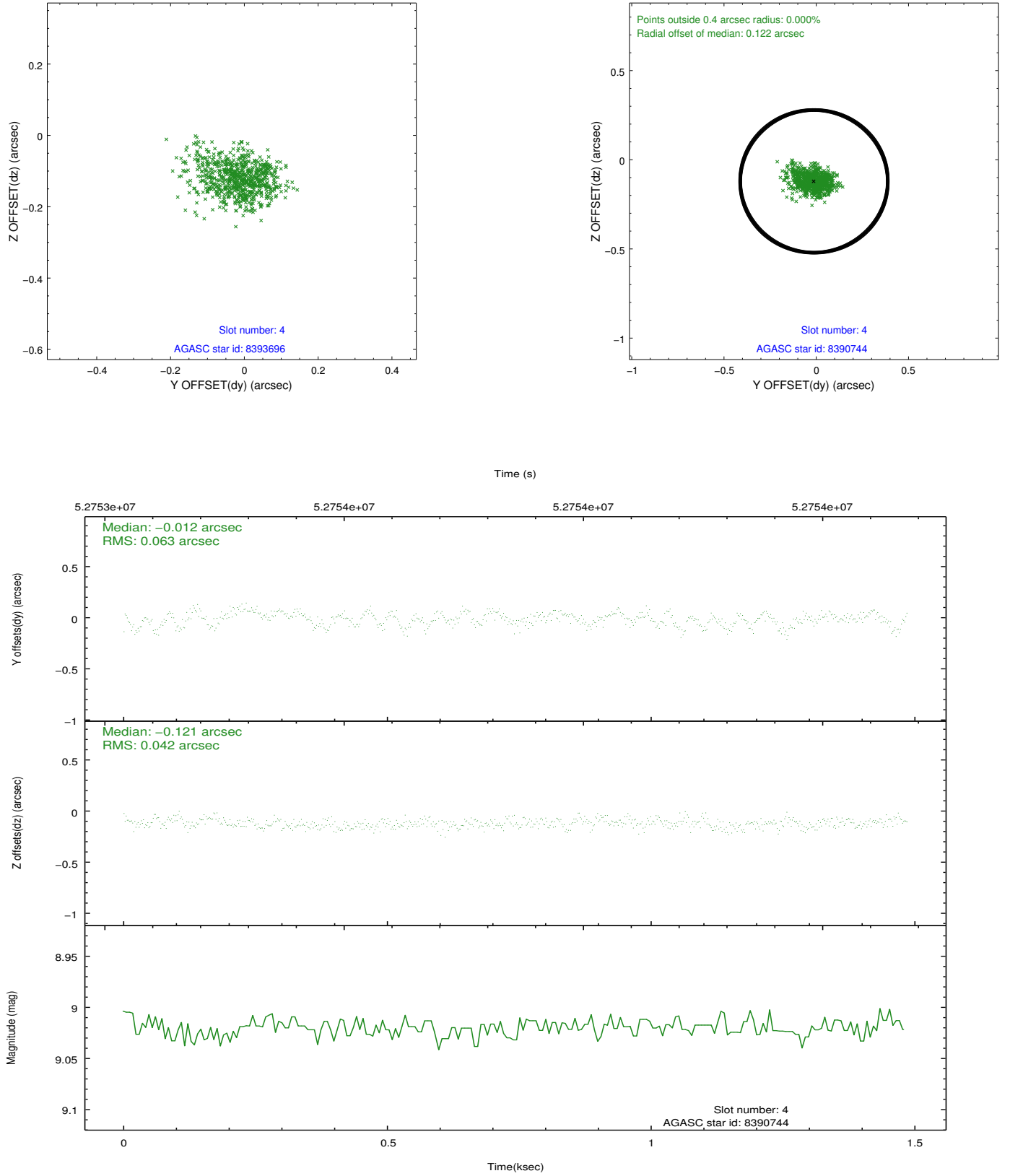


## 2.4 Star Slots

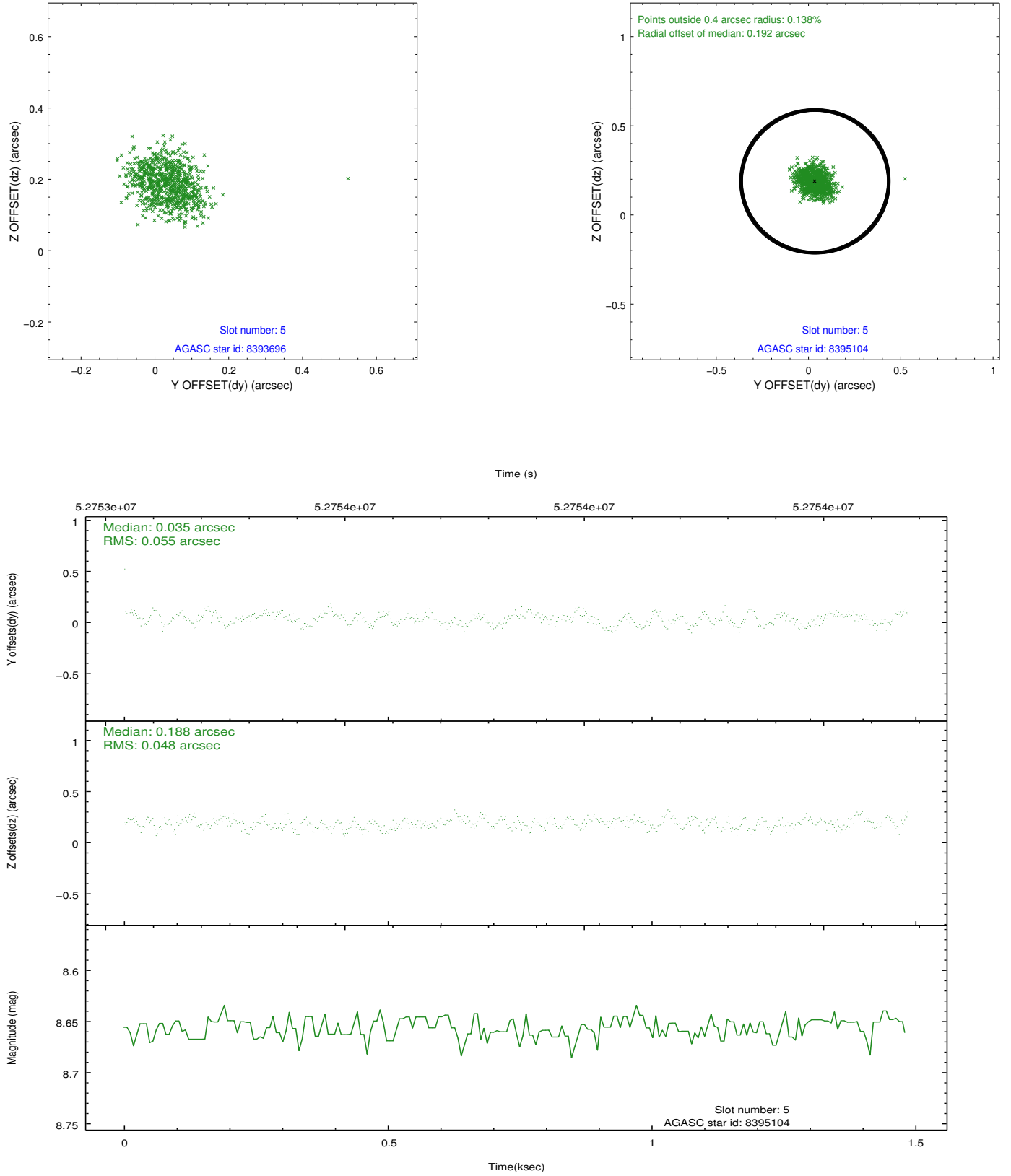
### 2.4.1 Slot 3



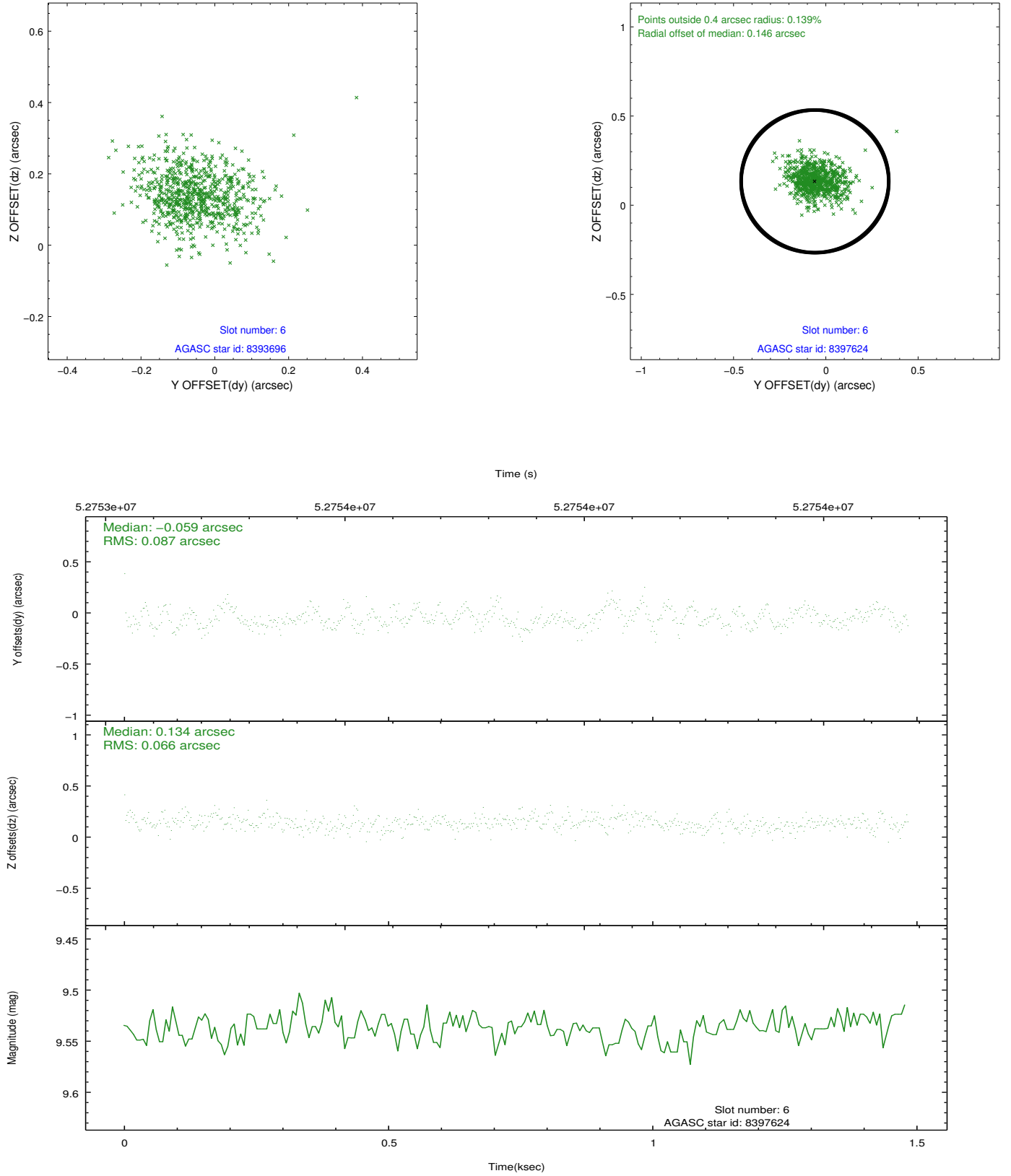
## 2.4.2 Slot 4



### 2.4.3 Slot 5

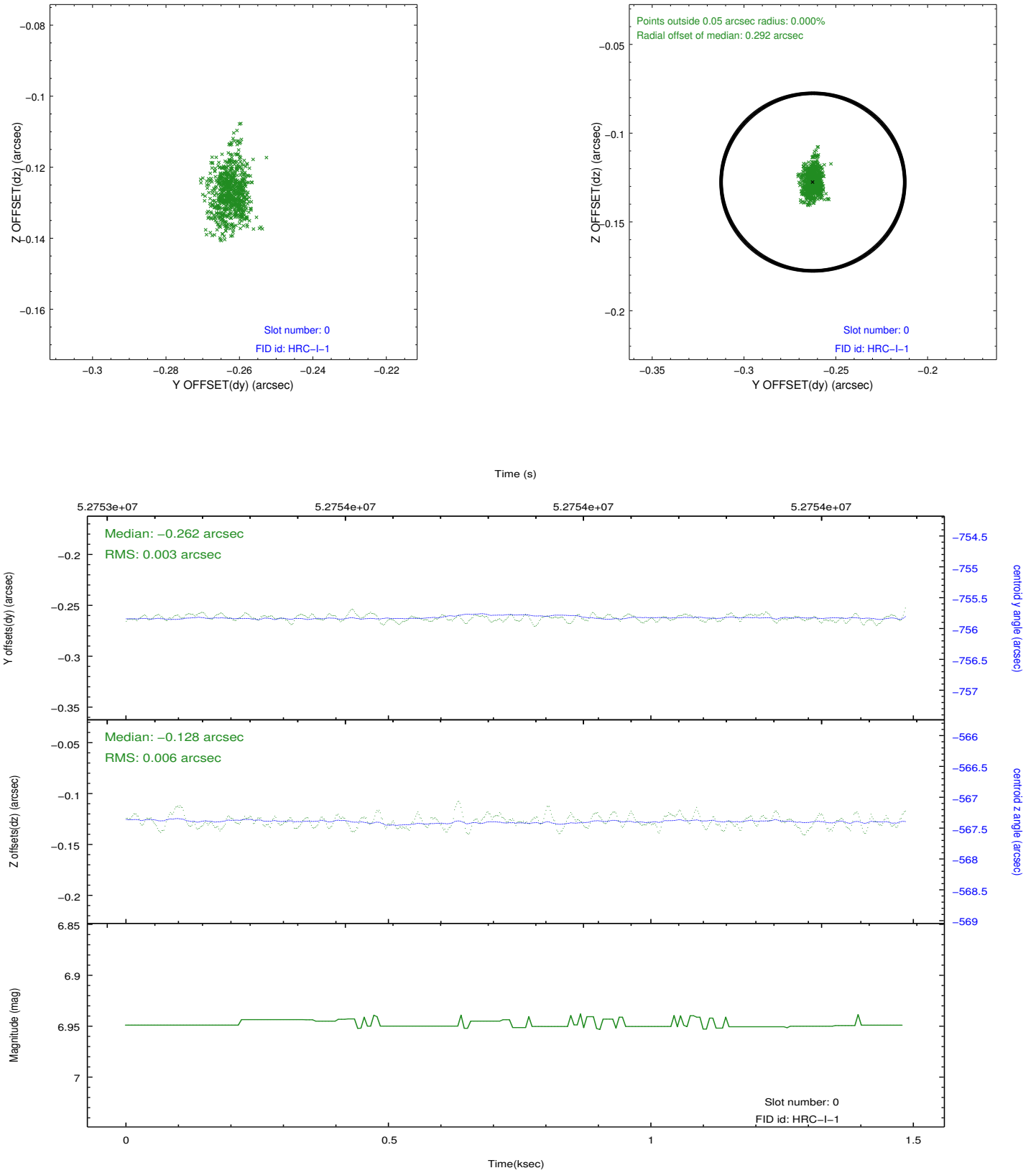


## 2.4.4 Slot 6

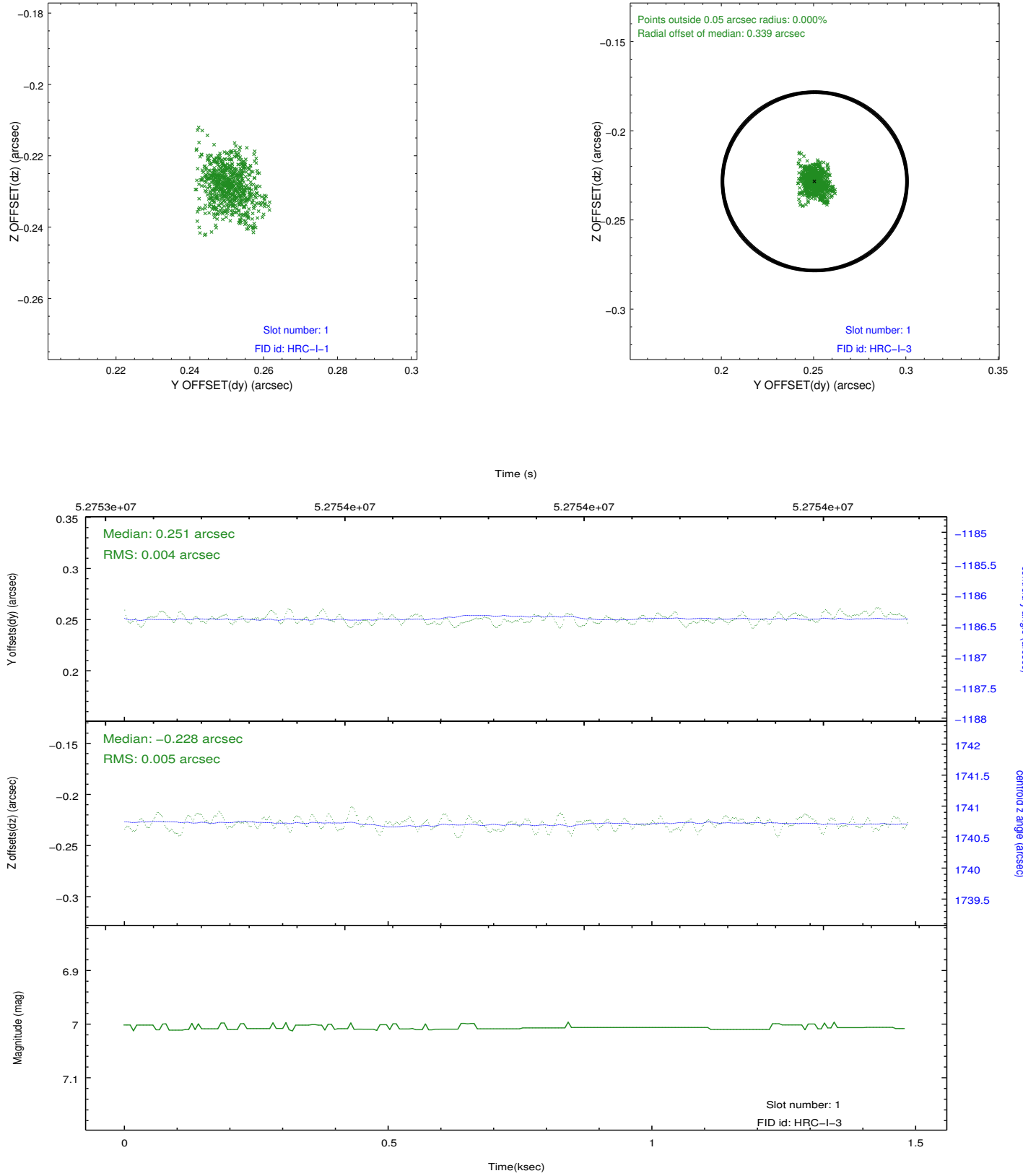


## 2.5 FID Slots

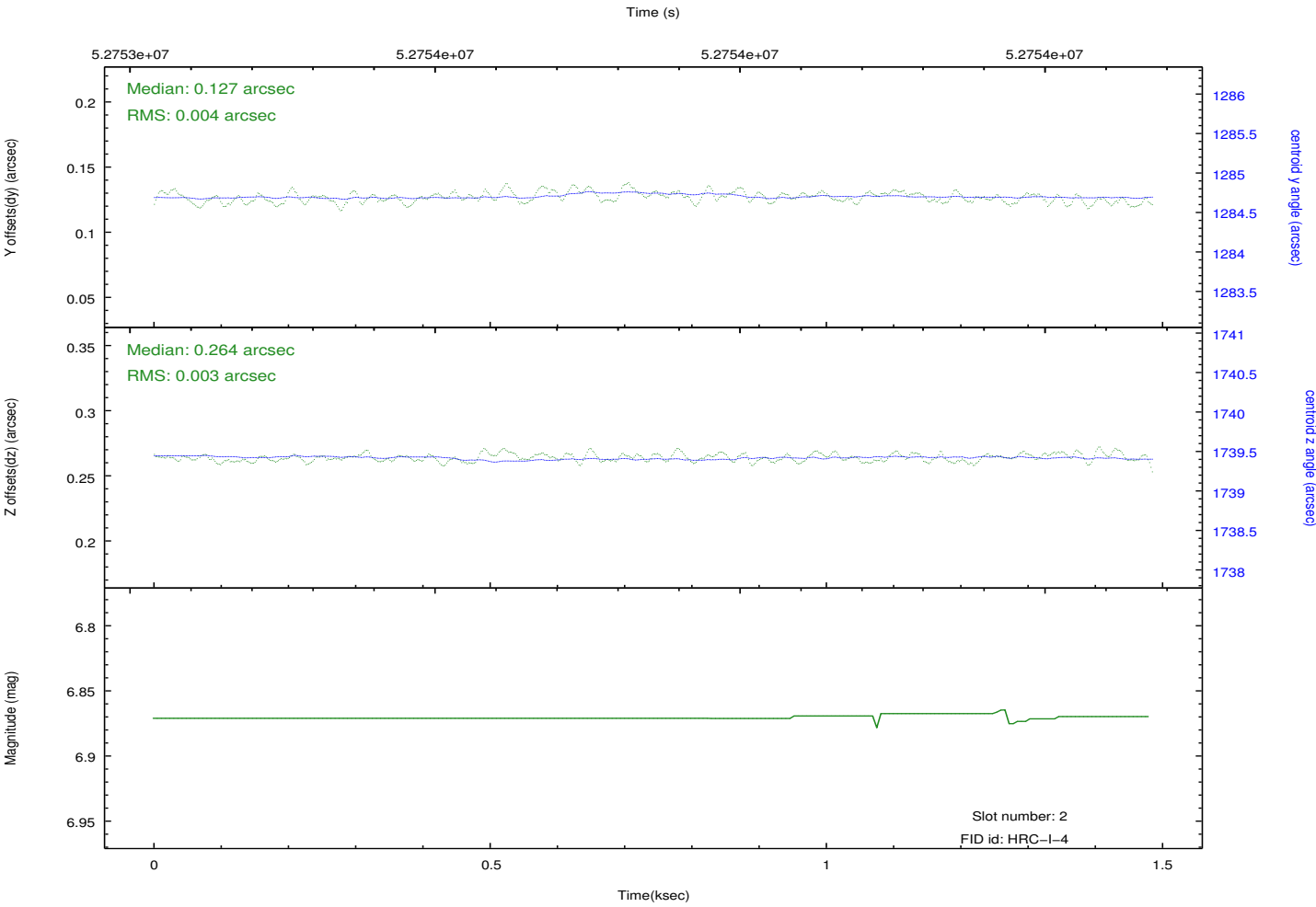
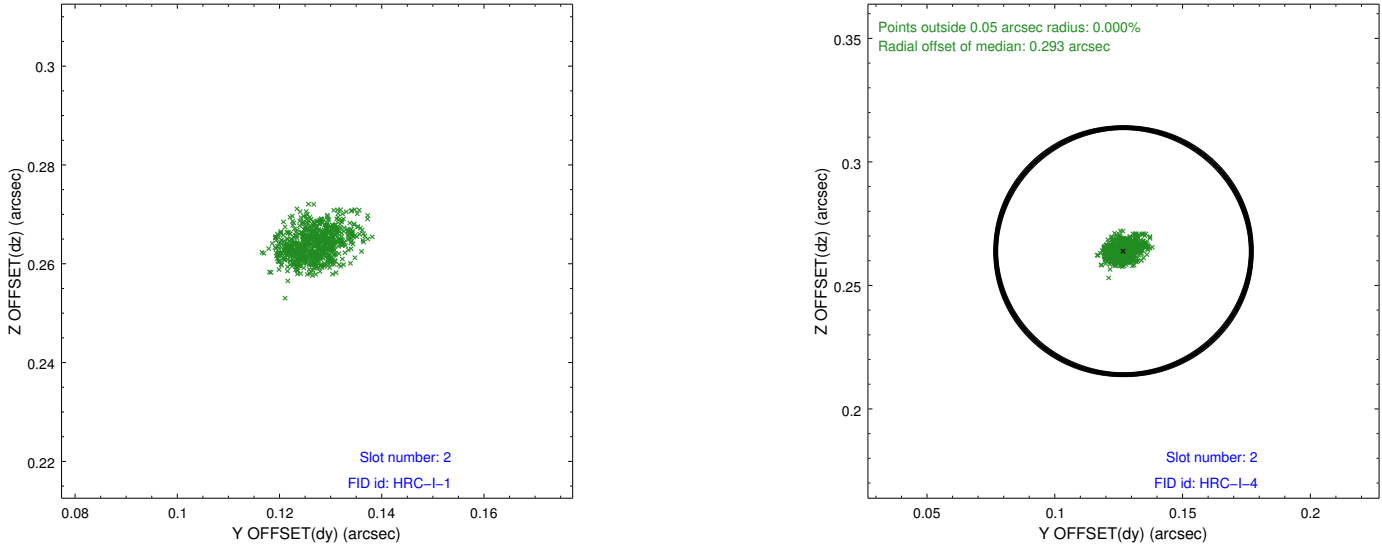
### 2.5.1 Slot 0



## 2.5.2 Slot 1

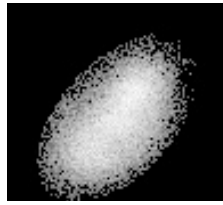


2.5.3 Slot 2



### 3 Point Sources

3.39 arcmin





# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.02.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.794

## A.2 Comments

HRC-I Optical Axis determination. SIMBAD coordinates for this object are ra = 03:36:47.2895, dec = +00:35:15.928. Observer requested coordinates ra = 03:36:47, dec = +00:35:23.90.30. Target was intended to be off-axis for calibration purposes, but it is not at the intended position on the chip due to the observer's error in the coordinates.

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The guide star in slot 7 was not utilized in this observation.