

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 1122 - L2 Version 3

Chandra X-Ray Center

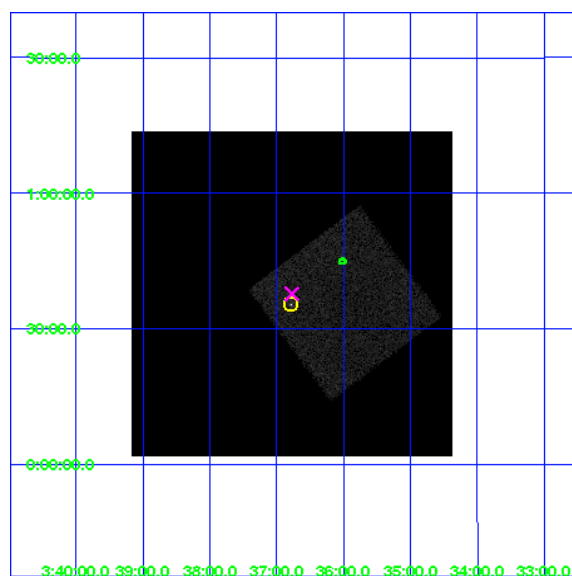
L2 Processing Date : Jan 12 2010

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.5	FID Slots	12
2.5.1	Slot 0	12
2.5.2	Slot 1	13
2.5.3	Slot 2	14
3	Point Sources	15
A	Summary	16
A.1	Status	16
A.2	Comments	16

1 Front

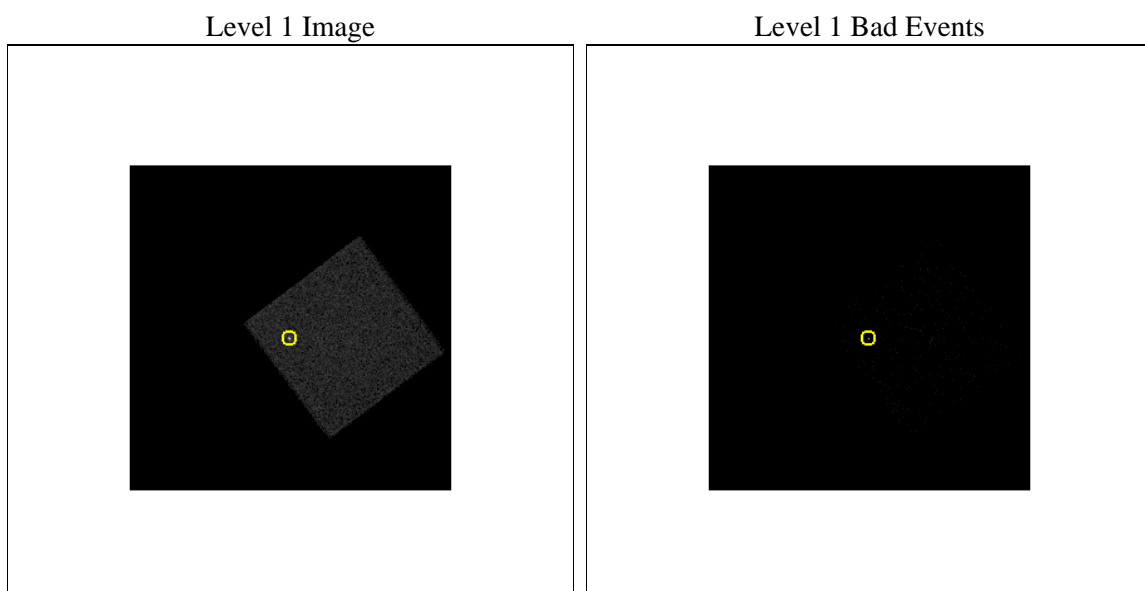
seq_num	280072	Sequence number
obs_id	1122	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HR1099	Source name
ra_targ	54.197083	Observer's specified target RA
dec_targ	0.589972	Observer's specified target Dec
ra_nom	54.193469269786	Nominal RA
dec_nom	0.62862469721905	Nominal Dec
roll_nom	98.229362017365	Nominal Roll
revision	3	Processing version of data
ontime	795.65627857298	[s]
livetime	789.07344152359	Ontime multiplied by DTCOR
l2events	33733	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	 	l1events	55015	Number of level 1 events
date	2010-01-12T21:47:30	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

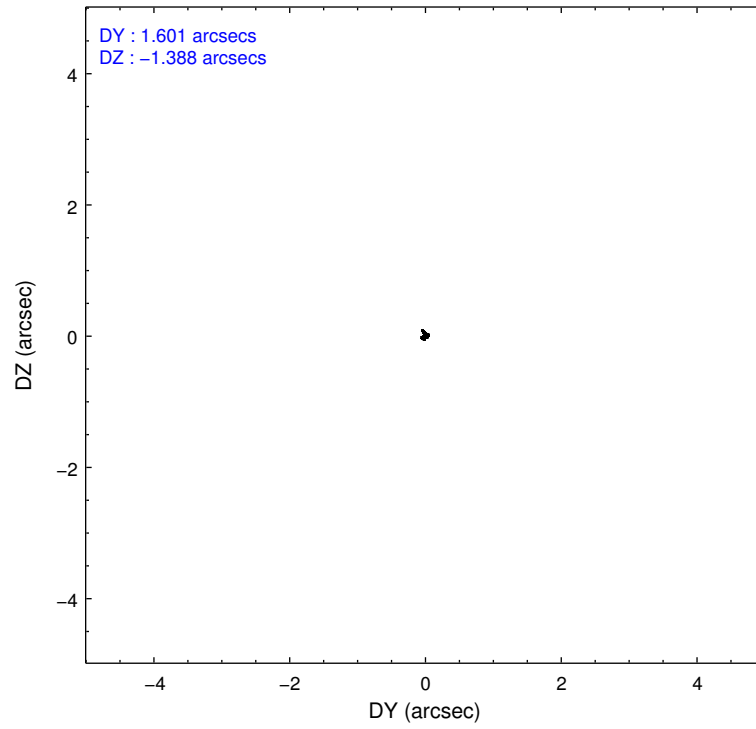
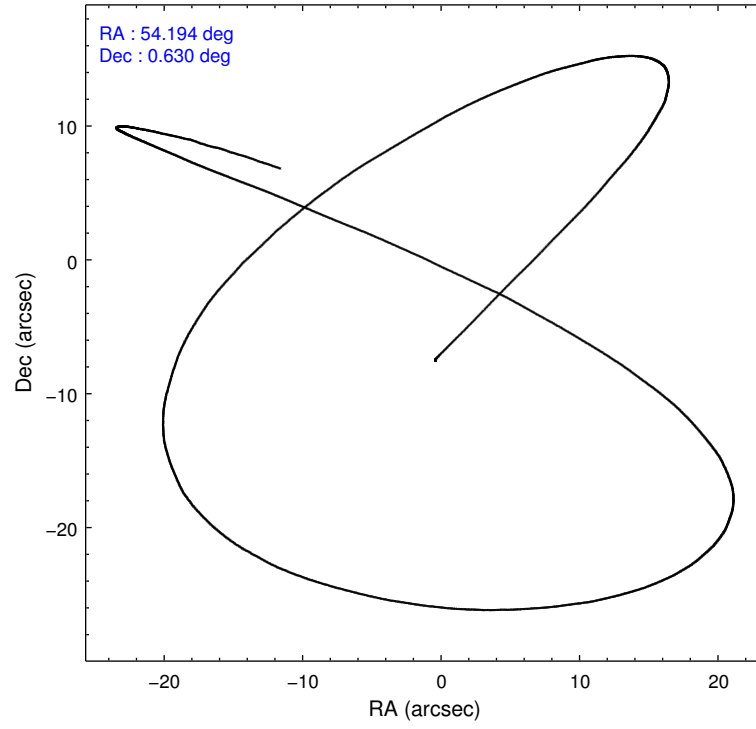
Level 1 Events

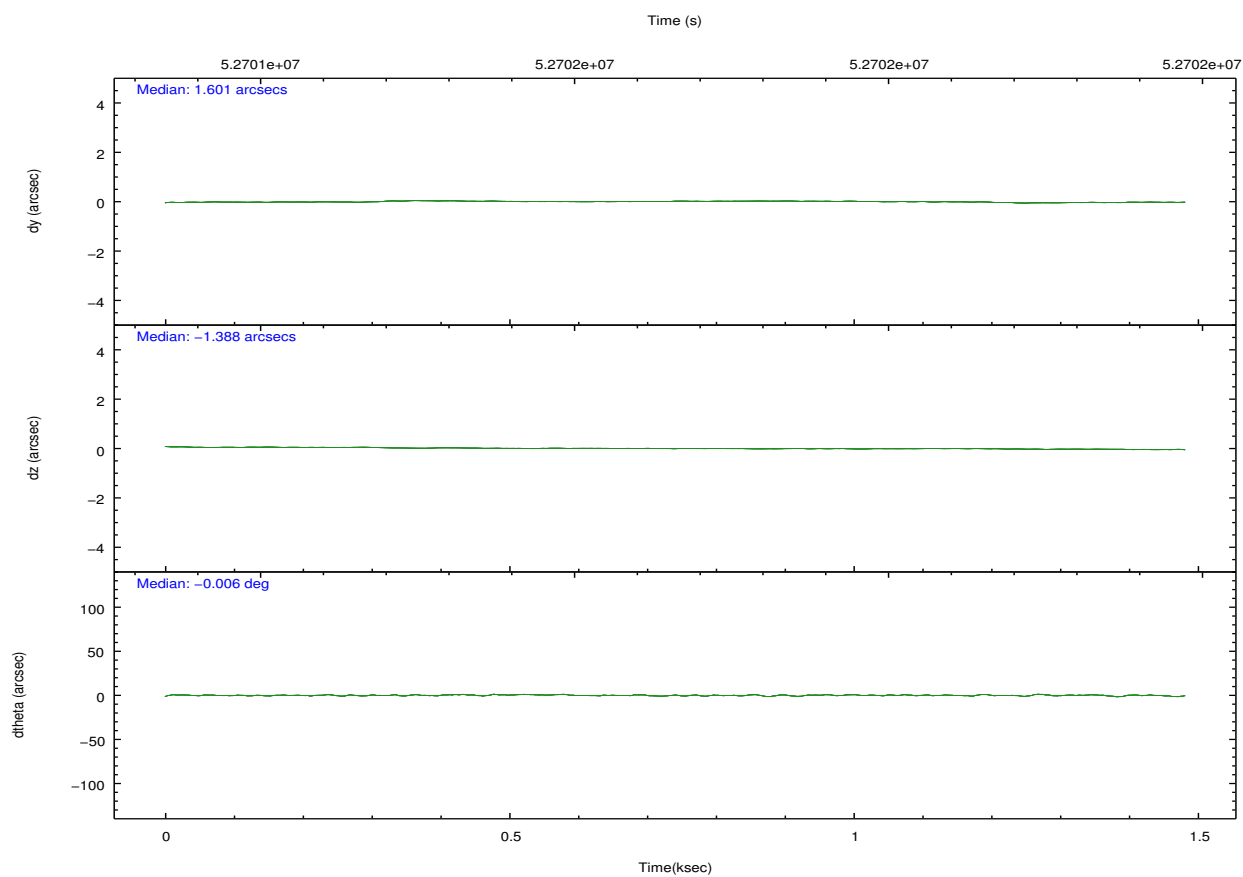
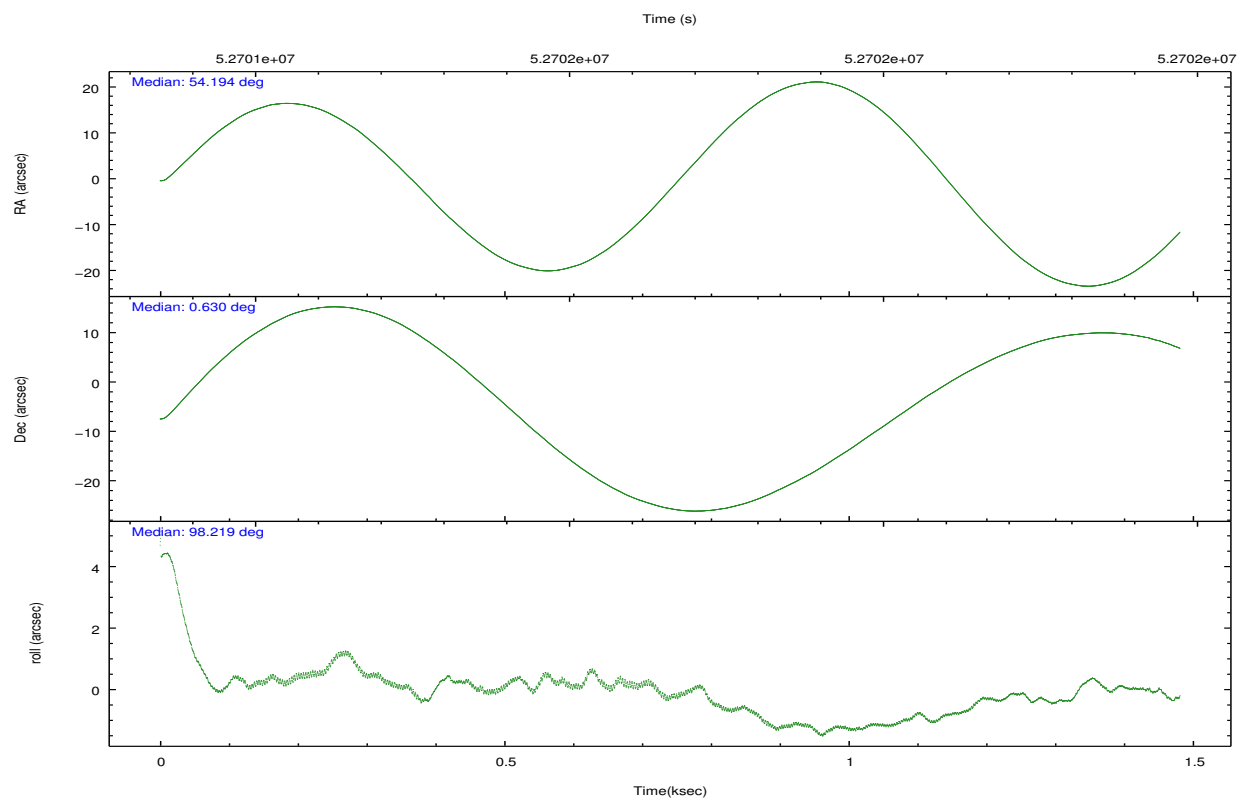
	segment 0
level 1 events	55015
rejected events	3209
rejected %	5%

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	54.210563	54.19346926978558			
Pointing Dec	0.606091	0.6286246972190533			
Pointing Roll	98.324644	98.22936201736482			
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	52701402.184000	52700735.418417			
Observation start date	1999-09-02T23:15:38	1999-09-02T23:05:35			
Observation end time	52702402.184000	52702535.318482			
Observation end date	1999-09-02T23:32:18	1999-09-02T23:35:35			

2.3 Aspect



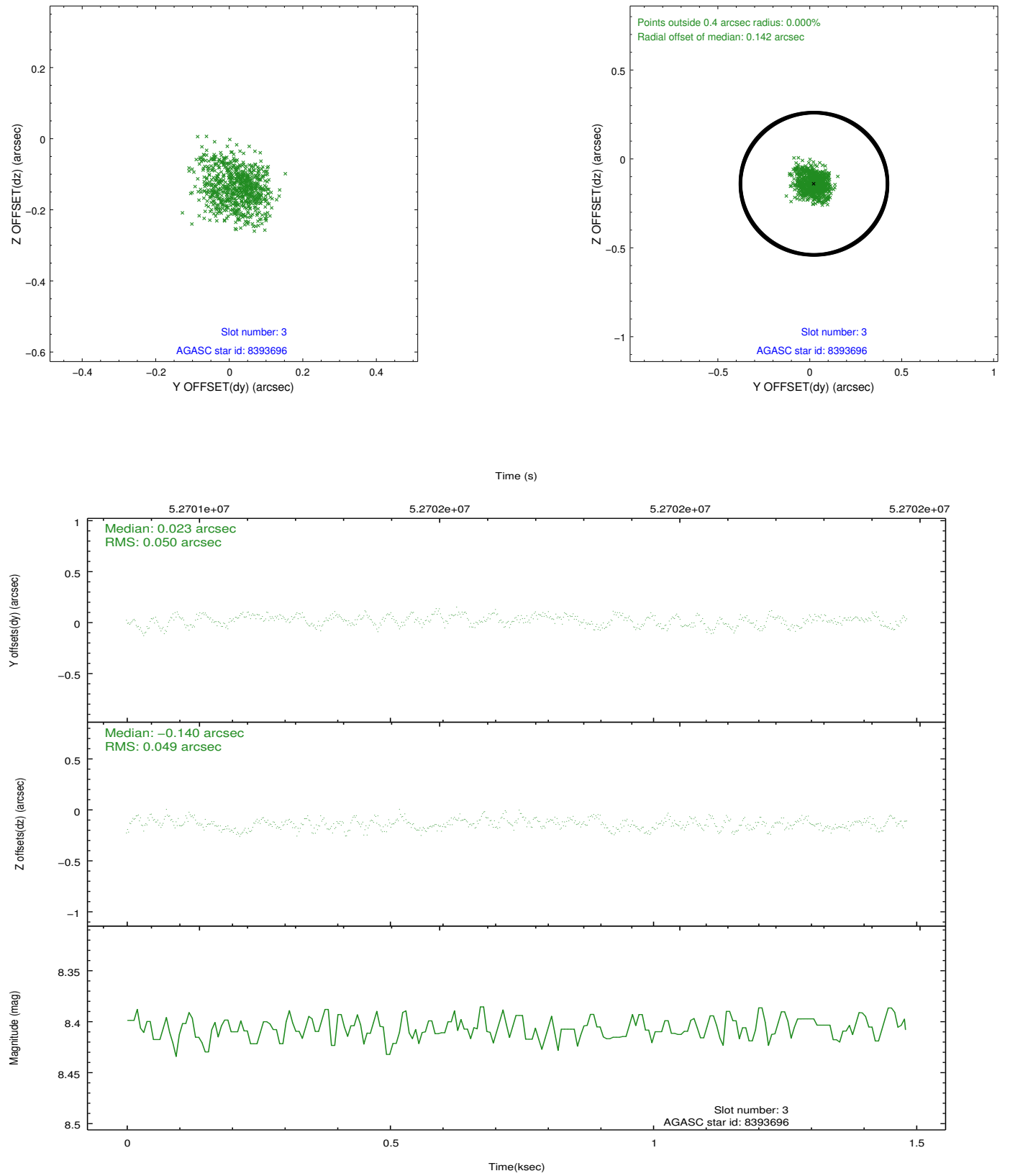


Slot Statistics

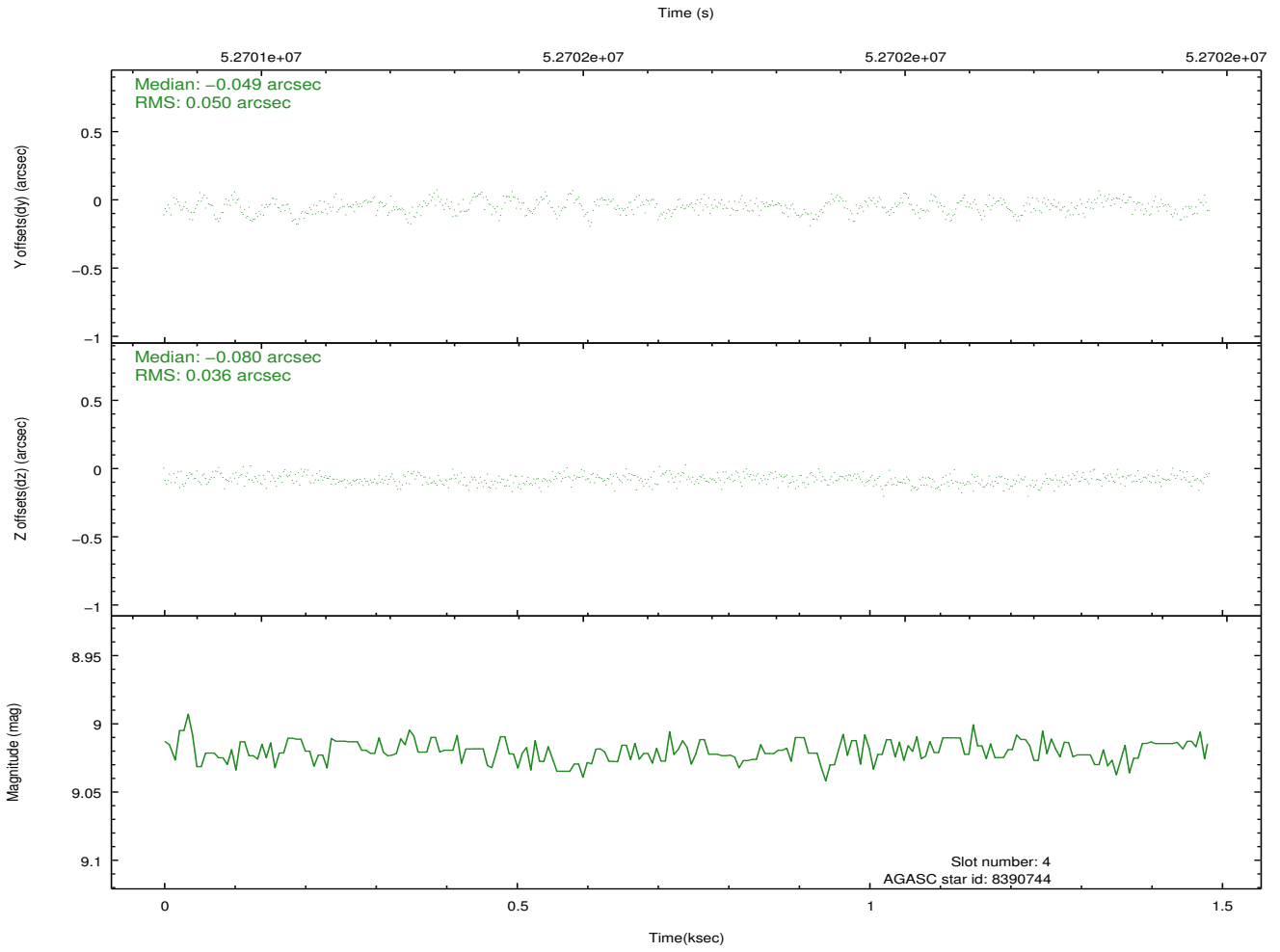
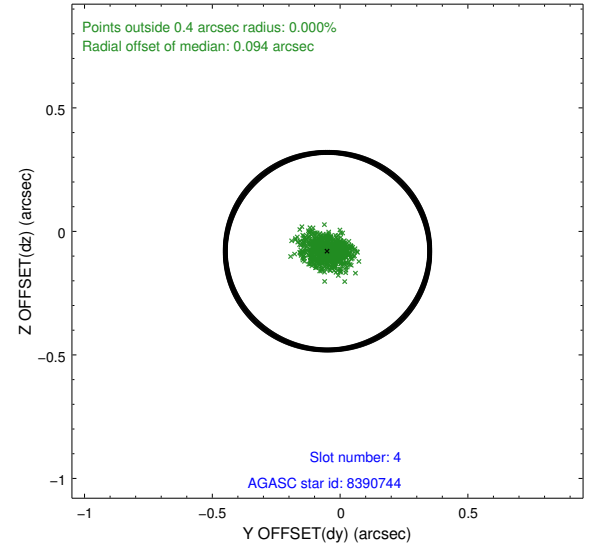
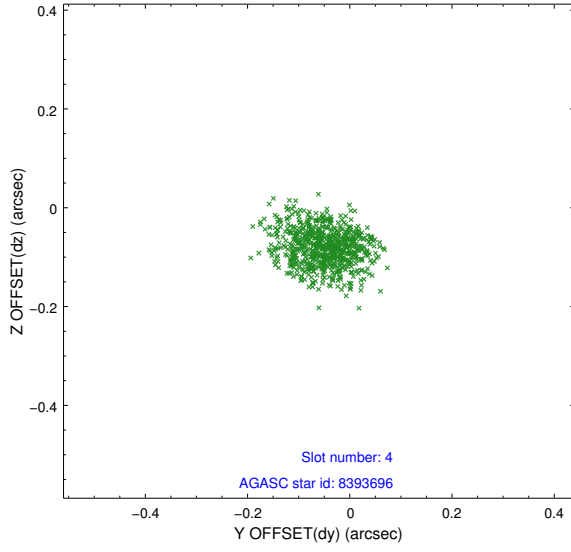
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	724	-0.268	-0.161	0.007	0.012	0.000000	0.000000	-755.74	-568.39
1	FID	HRC-I-3	7.02	724	0.248	-0.206	0.007	0.011	0.000000	0.000000	-1187.38	1738.99
2	FID	HRC-I-4	6.88	724	0.135	0.275	0.005	0.008	0.000000	0.000000	1283.13	1740.90
3	GUIDE	8393696	8.41	724	0.023	-0.140	0.076	0.118	53.645666	0.680479	555.38	1973.25
4	GUIDE	8390744	9.02	722	-0.049	-0.080	0.065	0.105	53.677290	0.926294	1415.26	1735.38
5	GUIDE	8395104	8.66	723	0.024	0.219	0.066	0.107	54.744893	0.796520	398.52	-1999.68
6	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
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

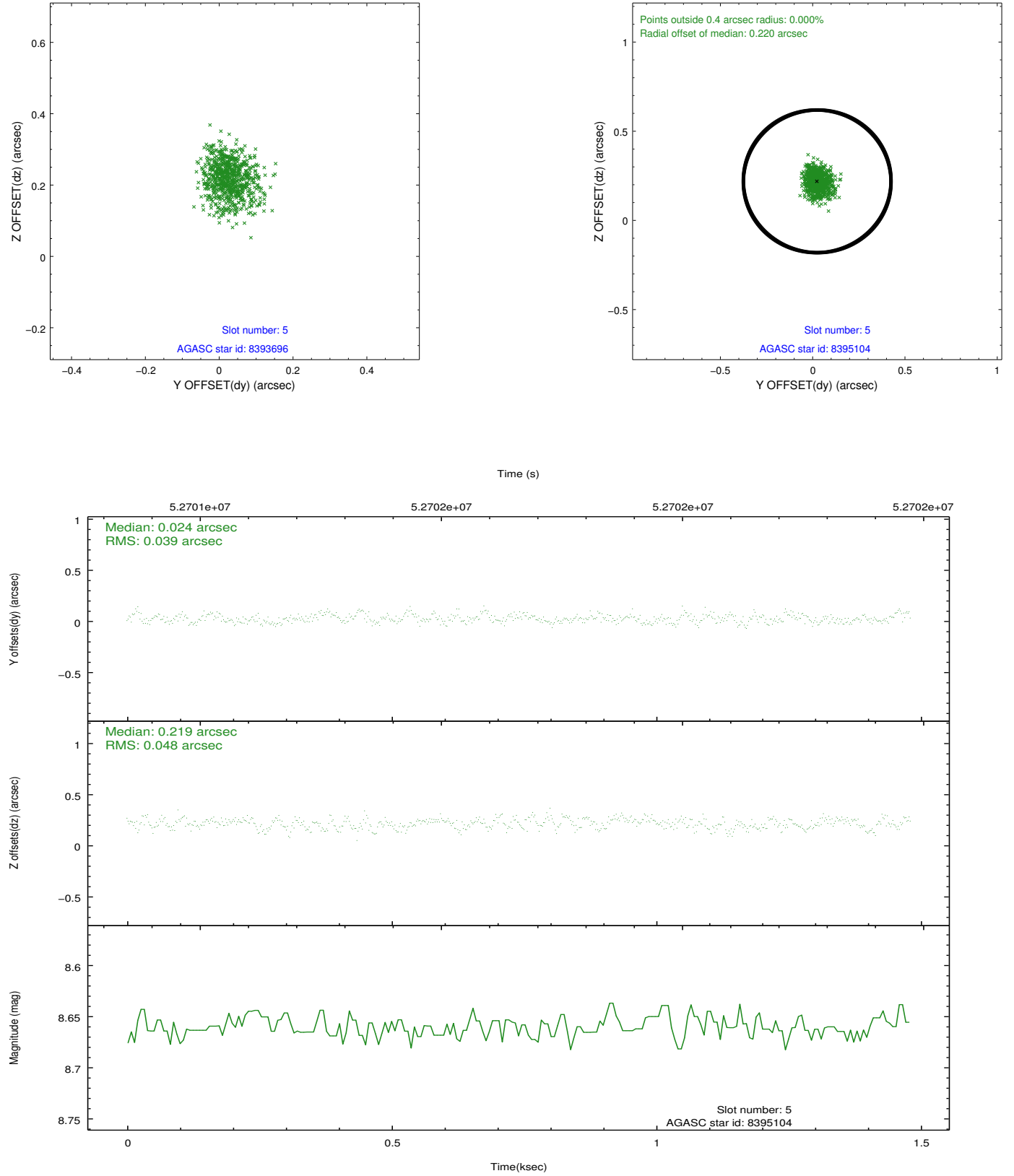
2.4.1 Slot 3



2.4.2 Slot 4

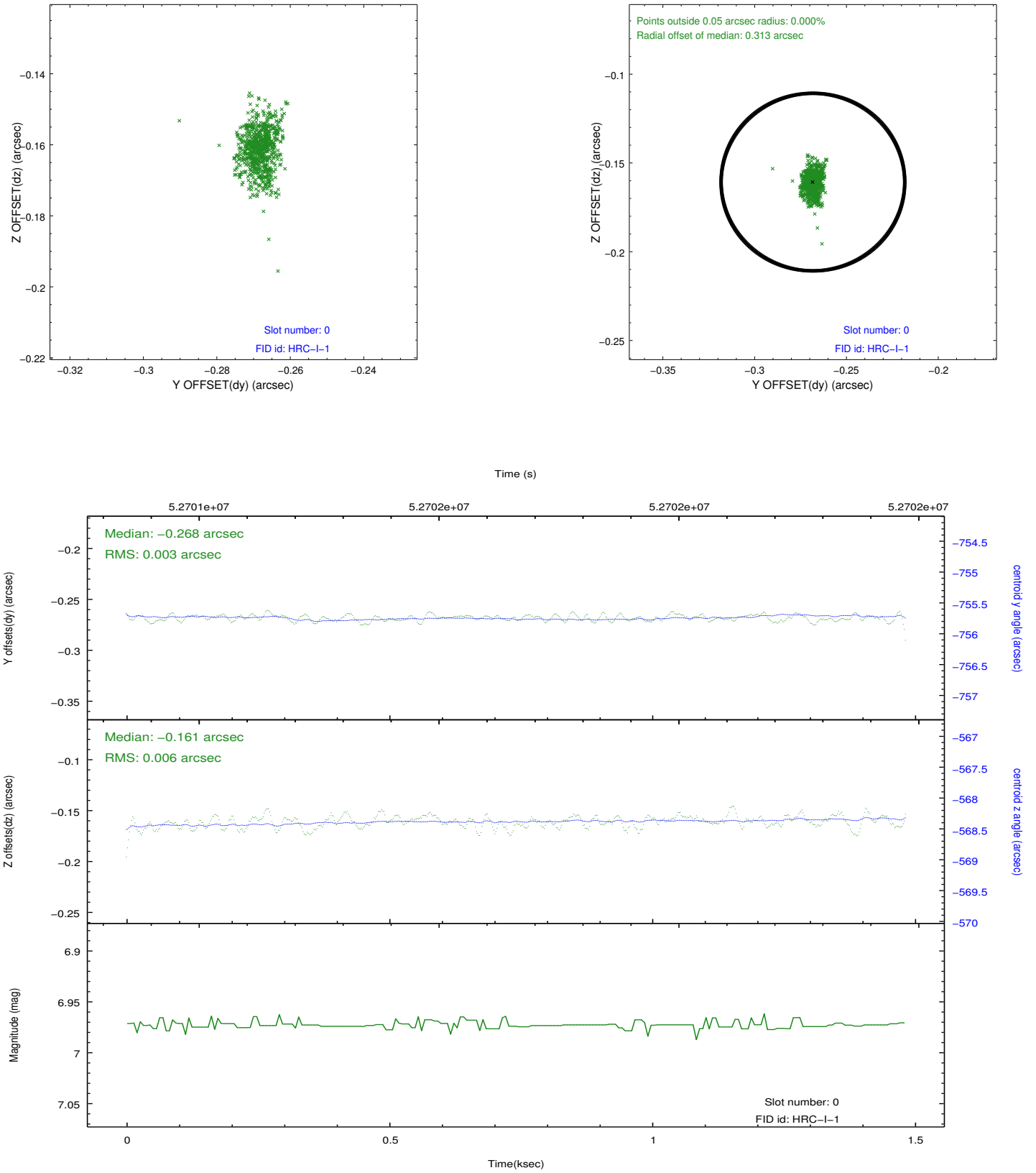


2.4.3 Slot 5

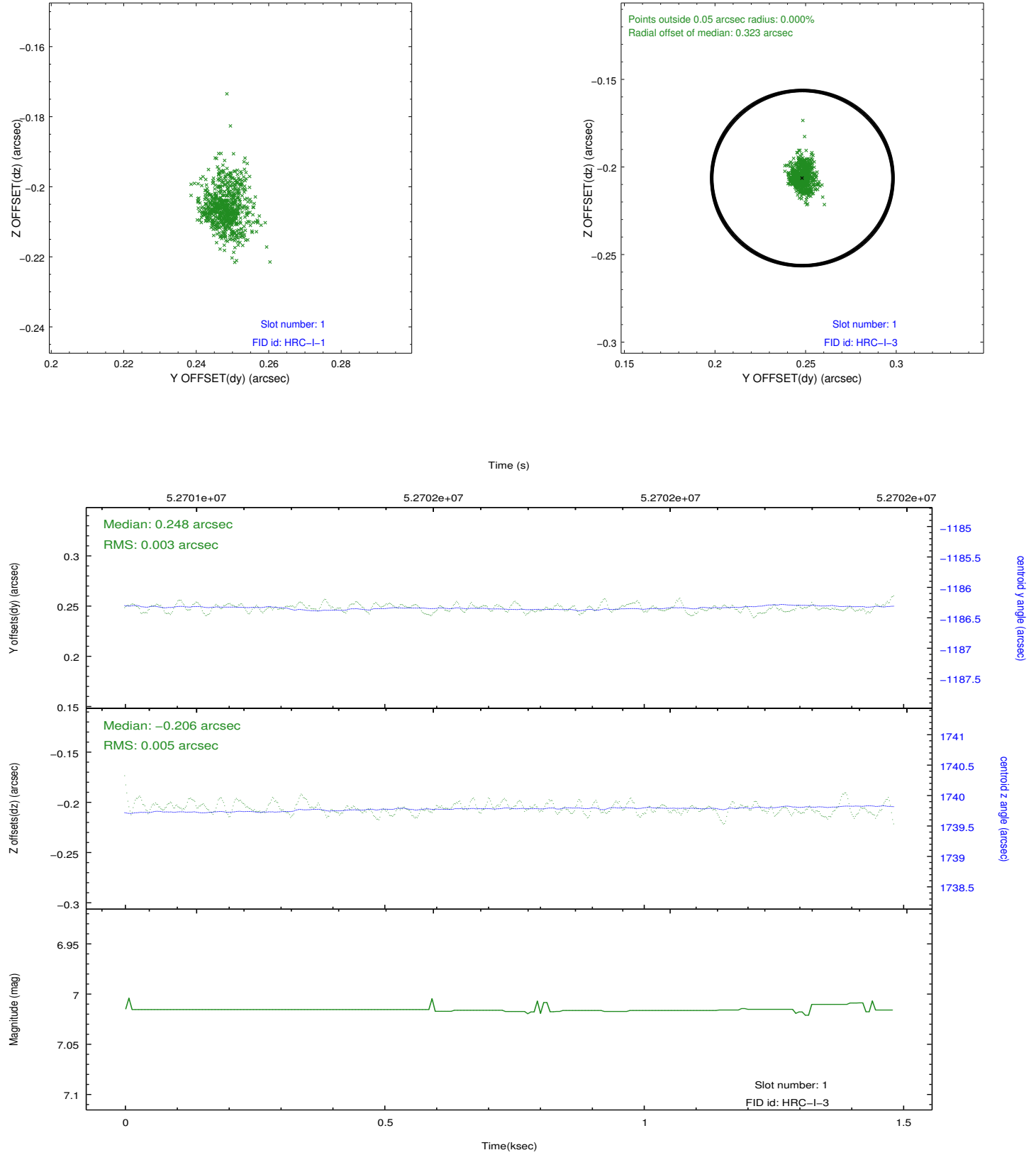


2.5 FID Slots

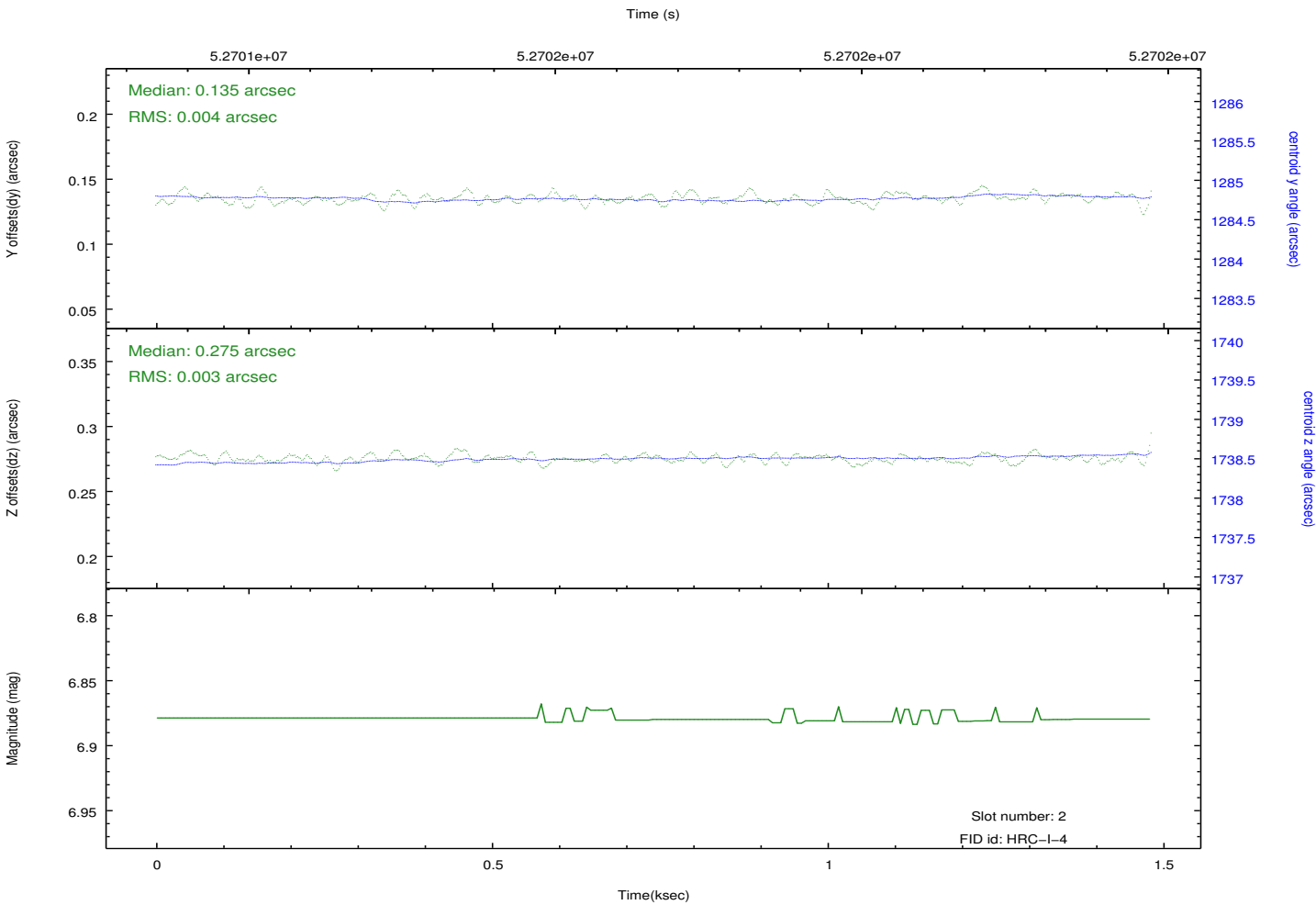
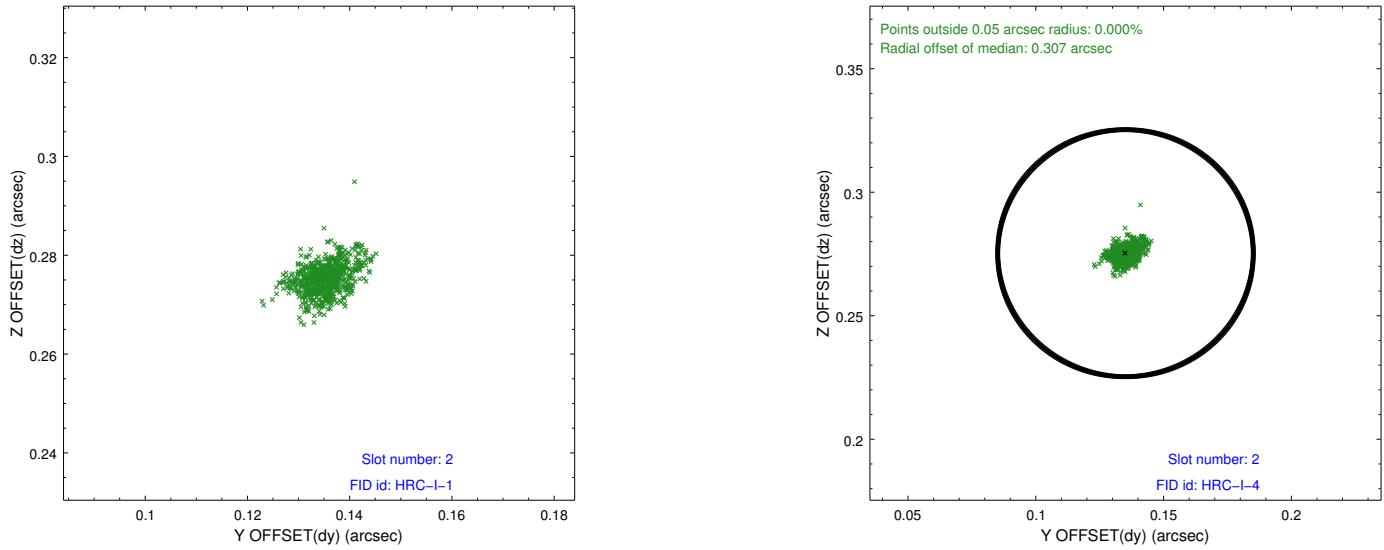
2.5.1 Slot 0



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)	2010.01.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.795

A.2 Comments

HRC optical axis determination. Target is very off-axis.

All fids have radial offset violation.

The guide stars in slots 6 and 7 were not detected for this observation.