

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 1124 - L2 Version 4

Chandra X-Ray Center

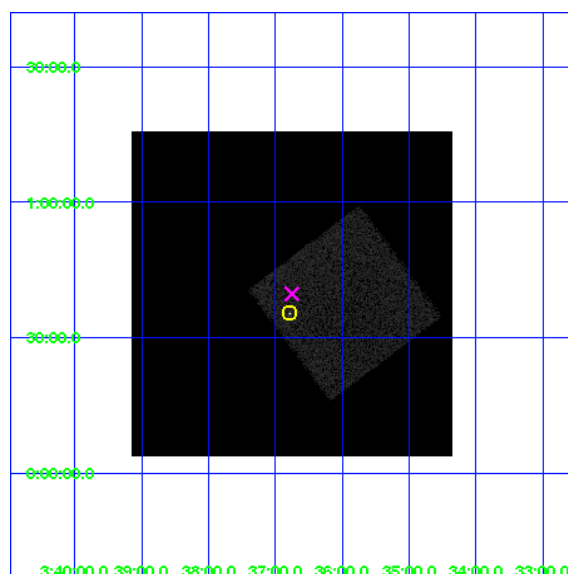
L2 Processing Date : Jan 12 2010

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
3	Point Sources	14
A	Summary	15
A.1	Status	15
A.2	Comments	15

1 Front

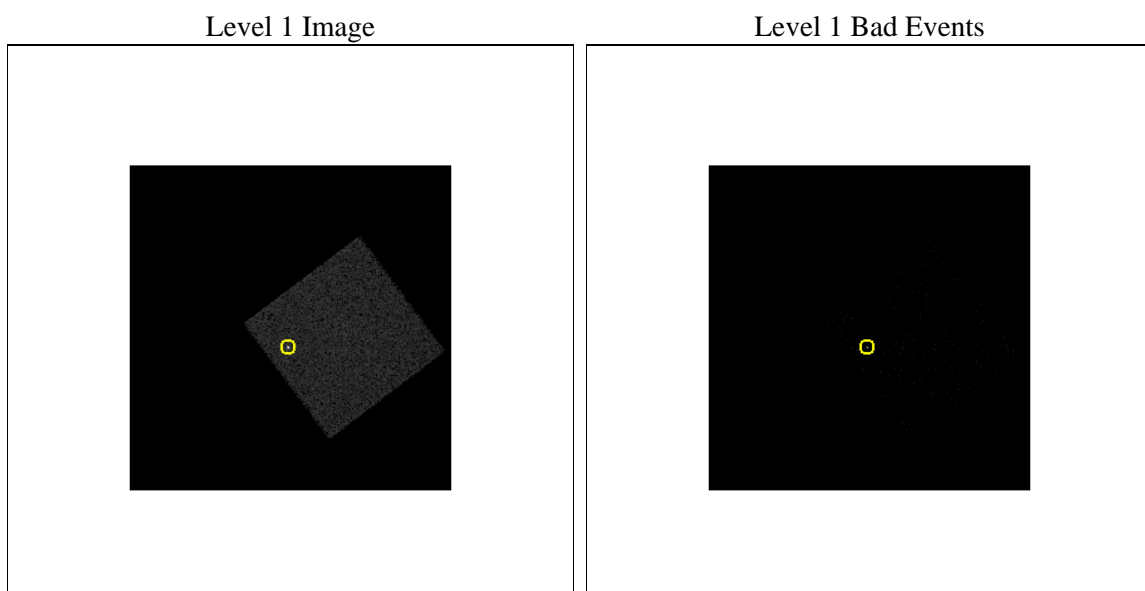
seq_num	280074	Sequence number
obs_id	1124	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HR1099	Source name
ra_targ	54.197083	Observer's specified target RA
dec_targ	0.589972	Observer's specified target Dec
ra_nom	54.188635074301	Nominal RA
dec_nom	0.66160892888703	Nominal Dec
roll_nom	98.226228100762	Nominal Roll
revision	4	Processing version of data
ontime	793.60627850145	[s]
livetime	787.13073870037	Ontime multiplied by DTCOR
l2events	32638	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	793.60627850145	[s]
caldbver	4.1.5	 	l1events	53823	Number of level 1 events
date	2010-01-12T21:58:43	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

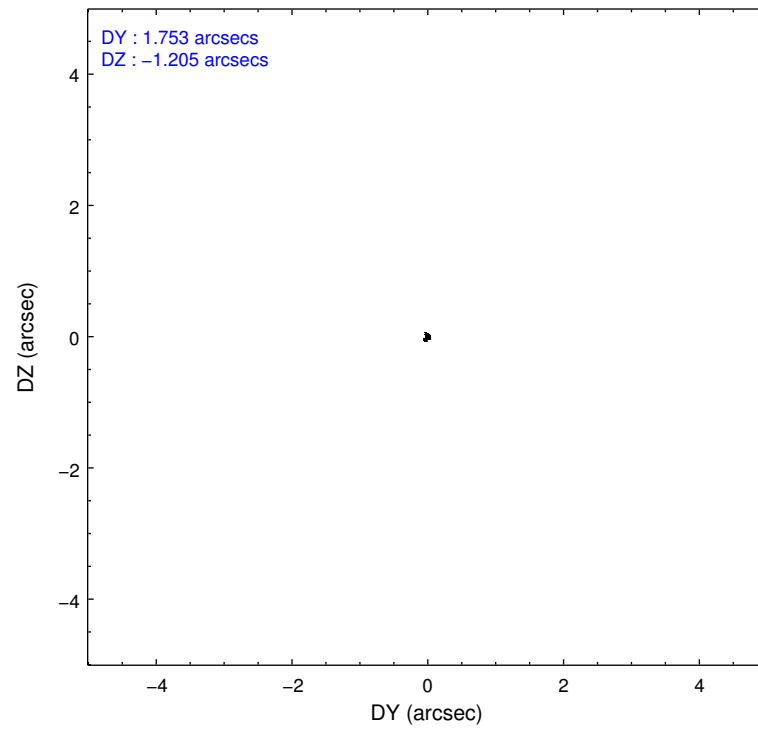
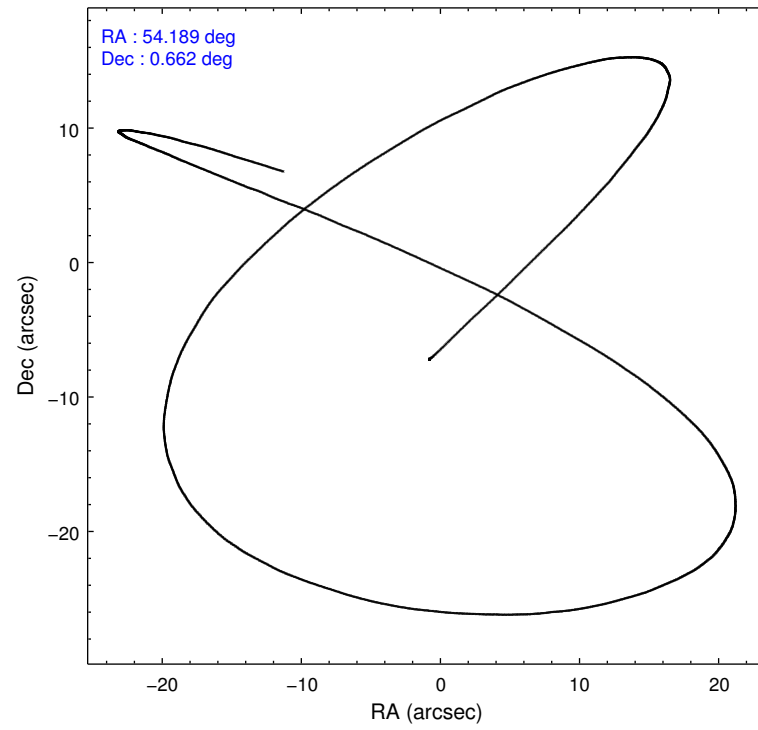
	segment 0
level 1 events	53823
rejected events	3260
rejected %	6%

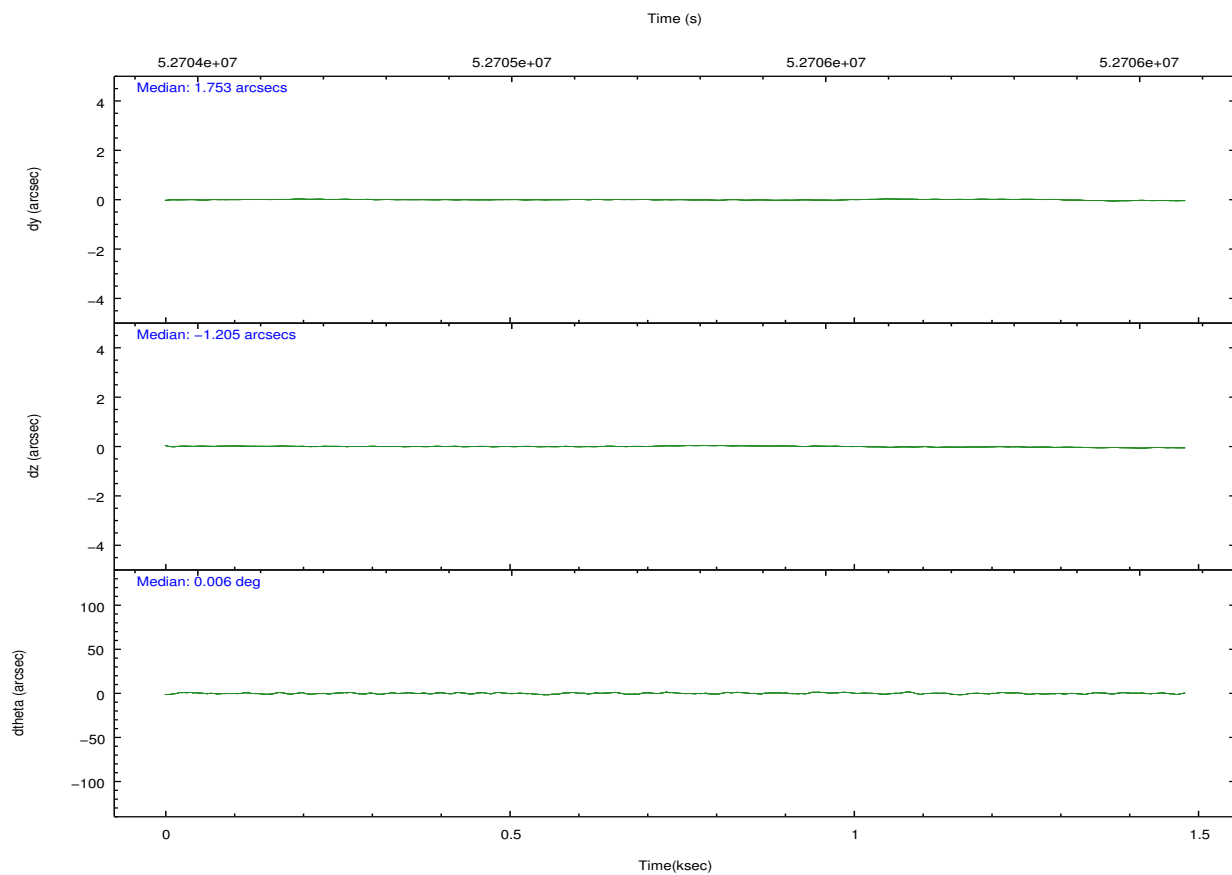
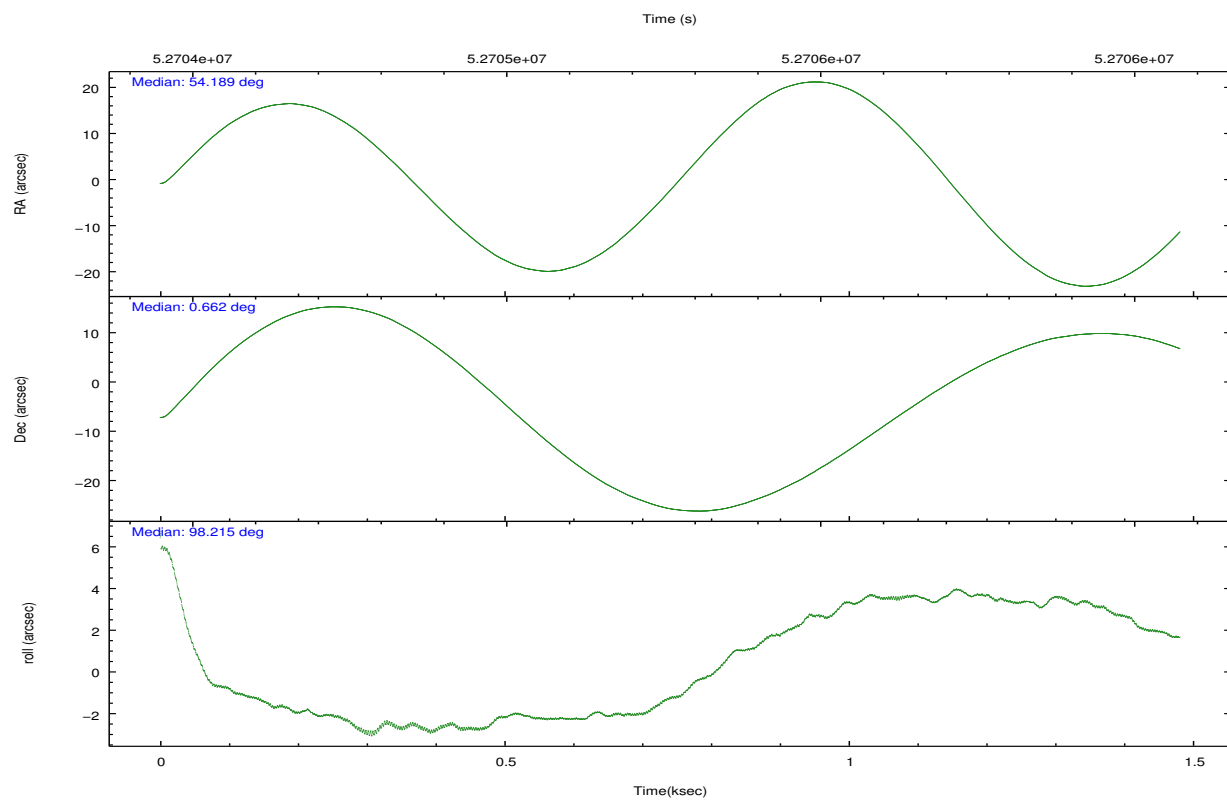
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	54.205738	54.1886350743009
Pointing Dec	0.639071	0.6616089288870298
Pointing Roll	98.321496	98.2262281007616
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	52705002.184000	52704336.243546
Observation start date	1999-09-03T00:15:38	1999-09-03T00:05:36
Observation end time	52706002.184000	52706135.631111
Observation end date	1999-09-03T00:32:18	1999-09-03T00:35:35

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

2.3 Aspect



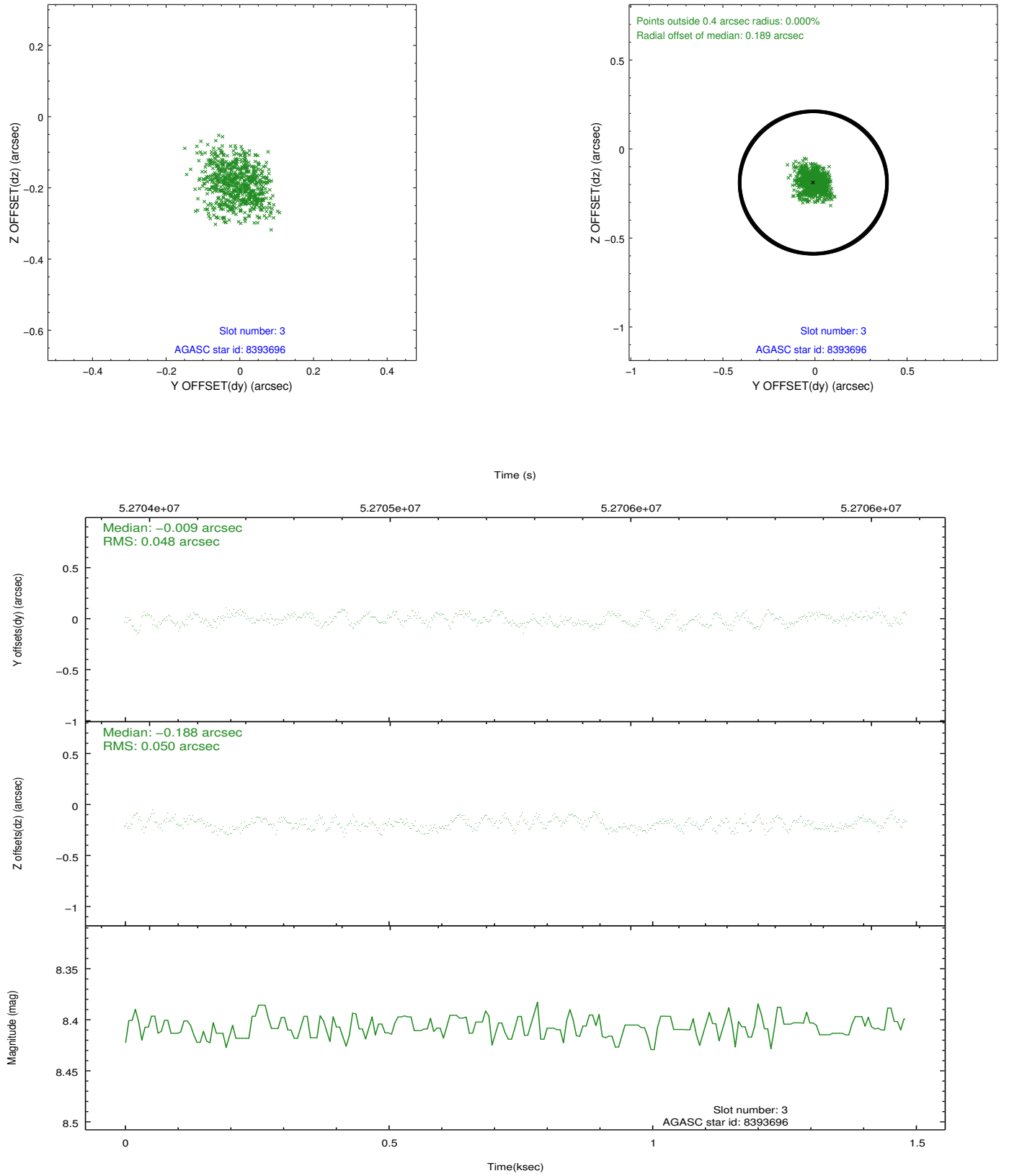


Slot Statistics

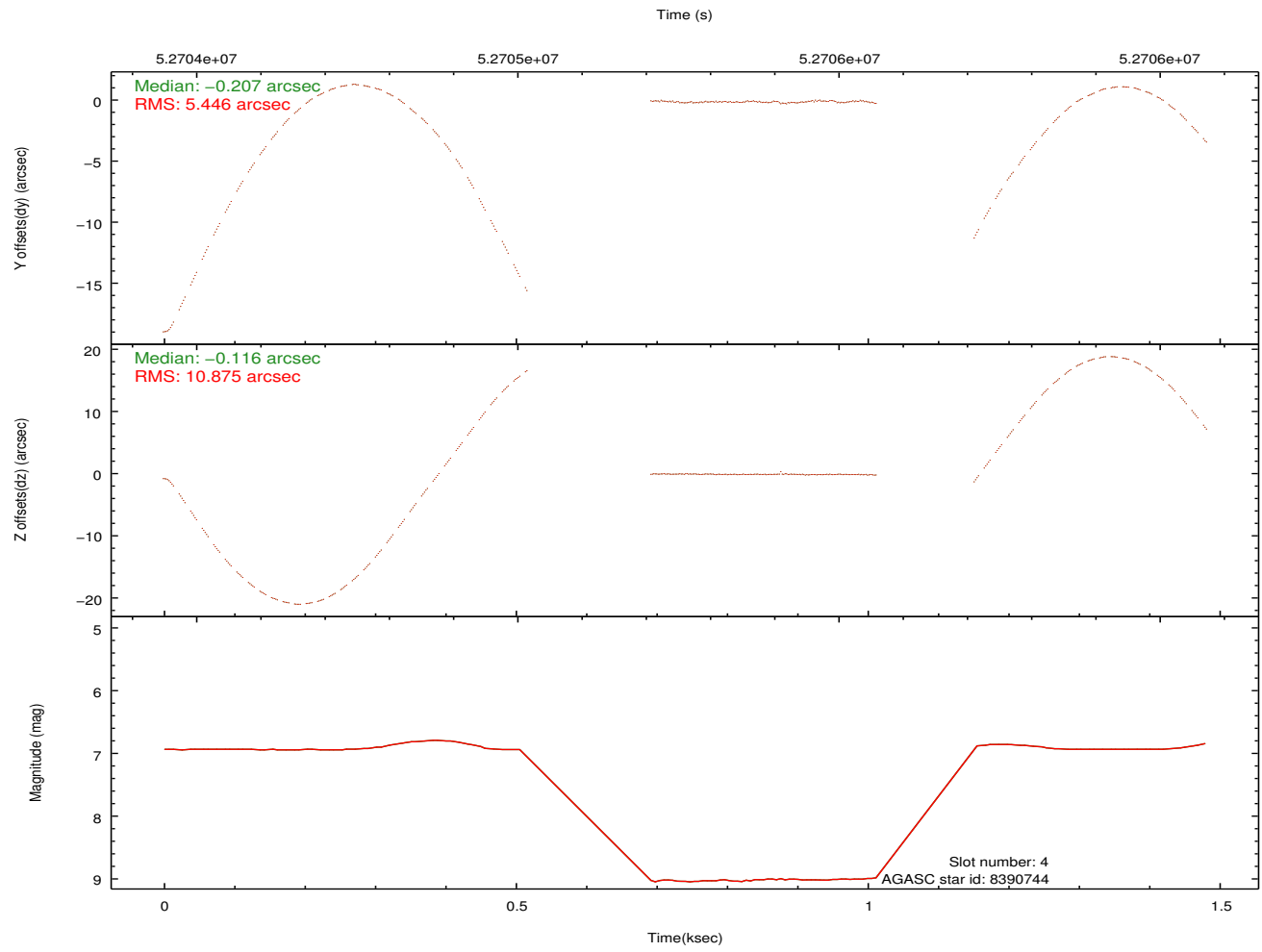
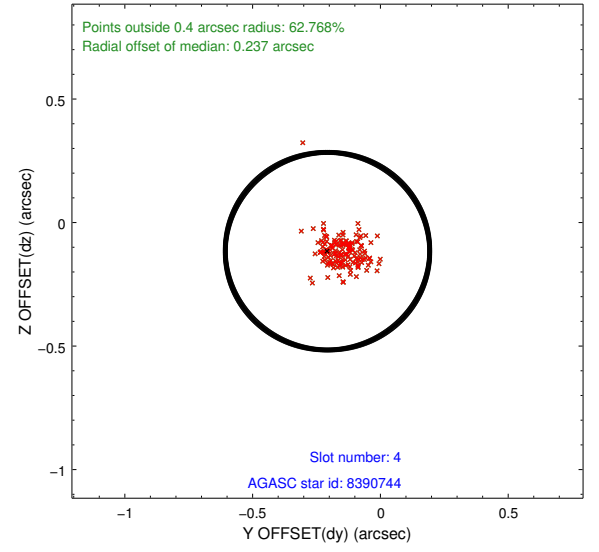
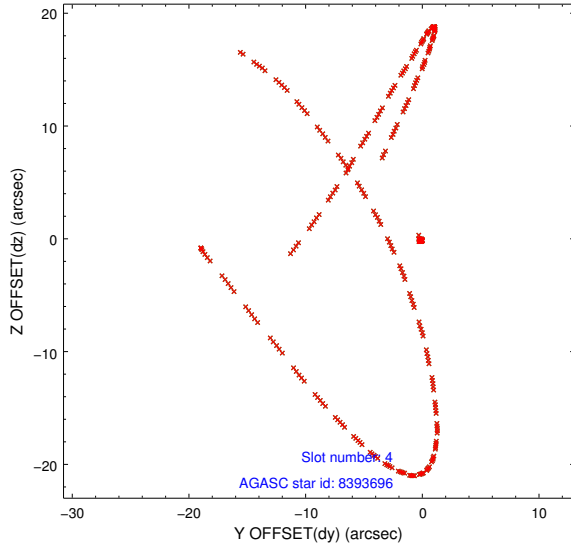
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	724	0.027	0.031	0.005	0.012	0.000000	0.000000	-755.74	-568.21
1	FID	HRC-I-3	7.02	724	0.053	-0.089	0.005	0.012	0.000000	0.000000	-1187.39	1739.19
2	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	8393696	8.41	724	-0.009	-0.188	0.074	0.113	53.645666	0.680479	435.22	1973.24
4	BAD	8390744	6.94	419	-0.207	-0.116	15.789	20.428	53.677290	0.926294	1293.82	1740.15
5	GUIDE	8395104	8.66	723	0.007	0.193	0.073	0.115	54.744893	0.796520	278.50	-1999.67
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

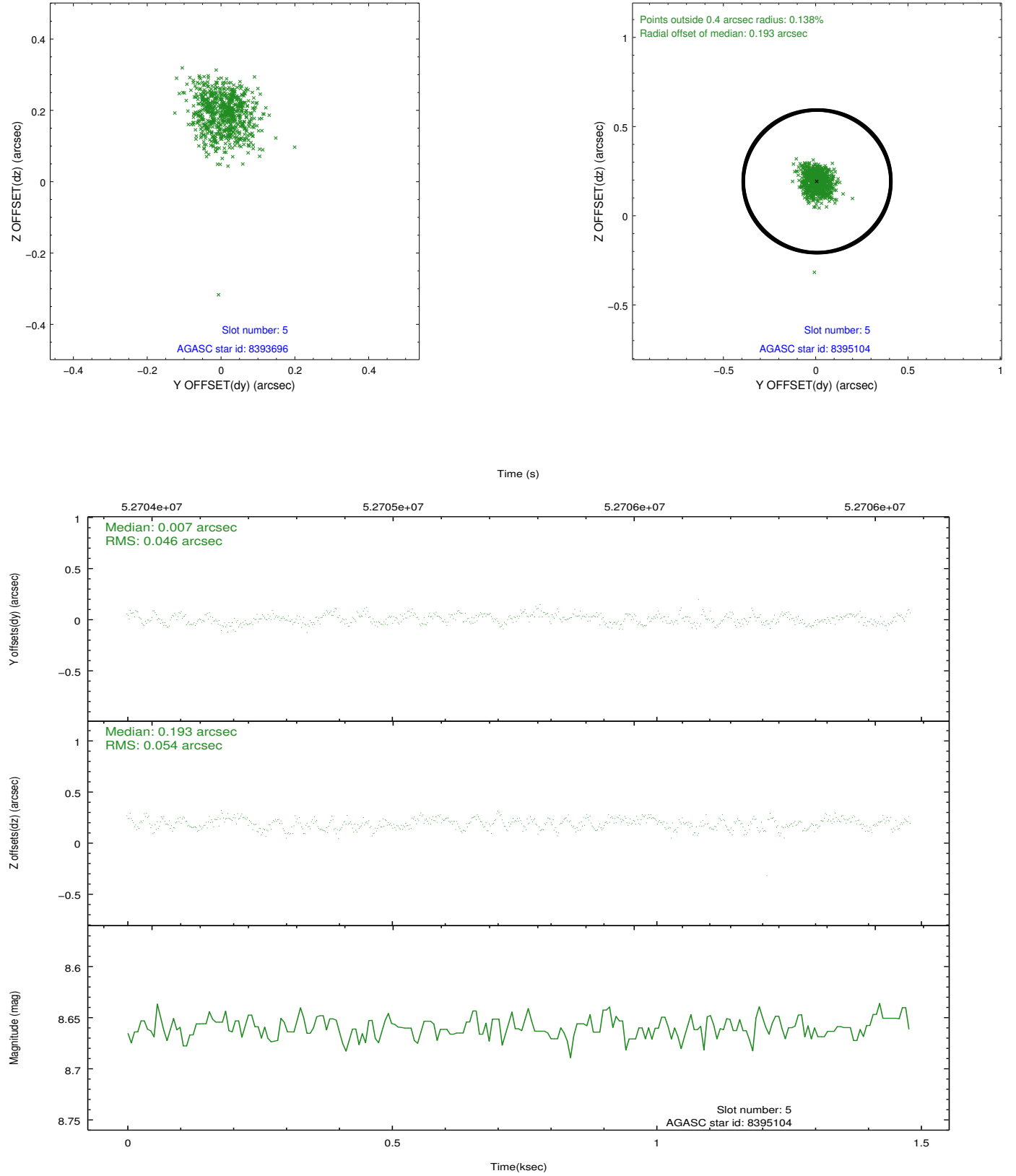
2.4.1 Slot 3



2.4.2 Slot 4

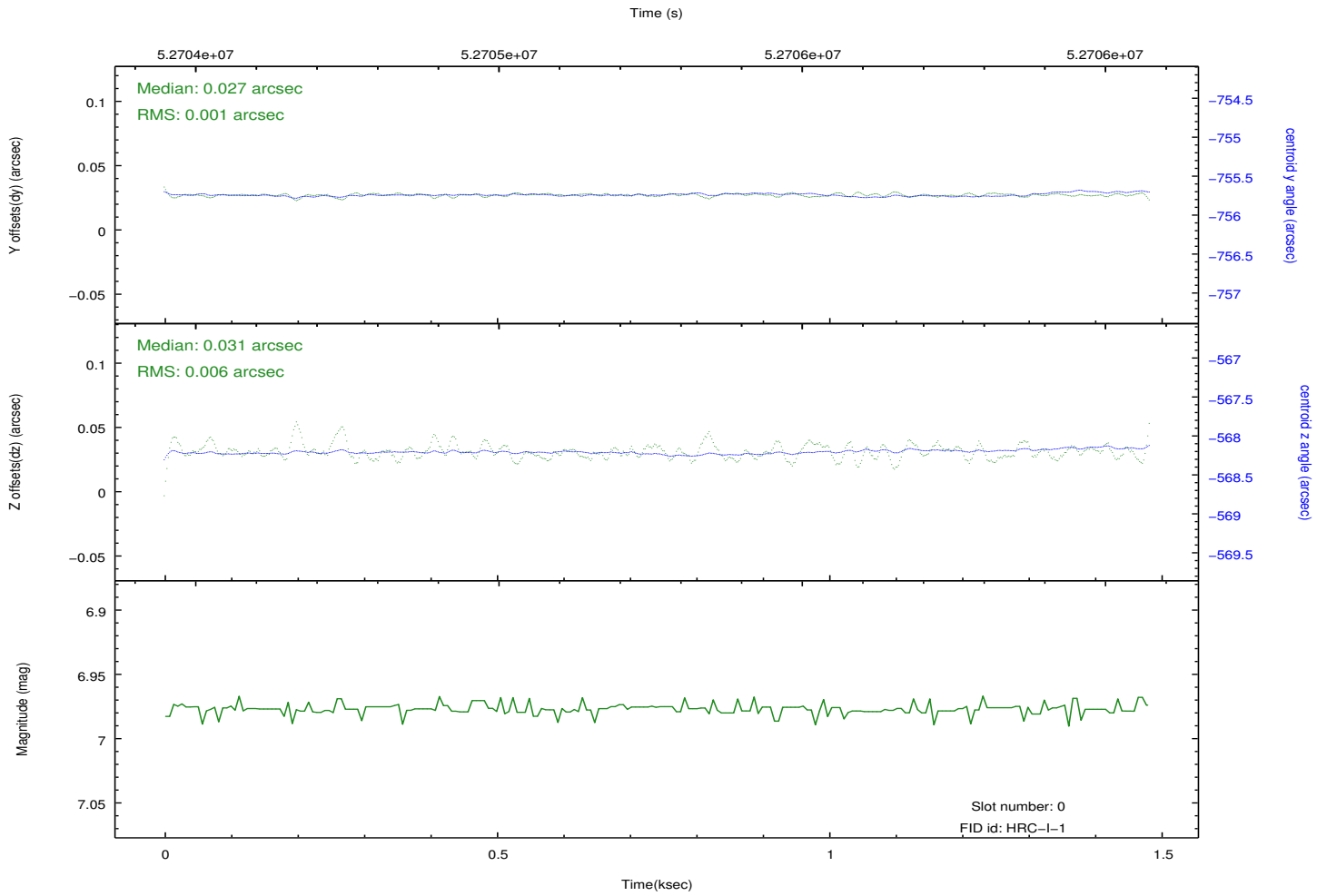
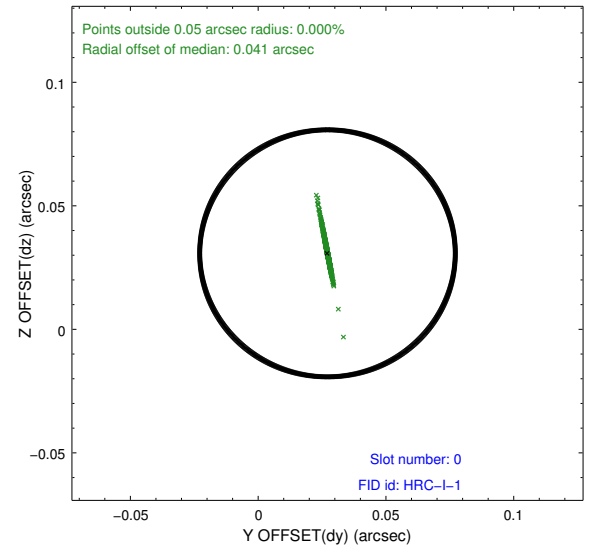
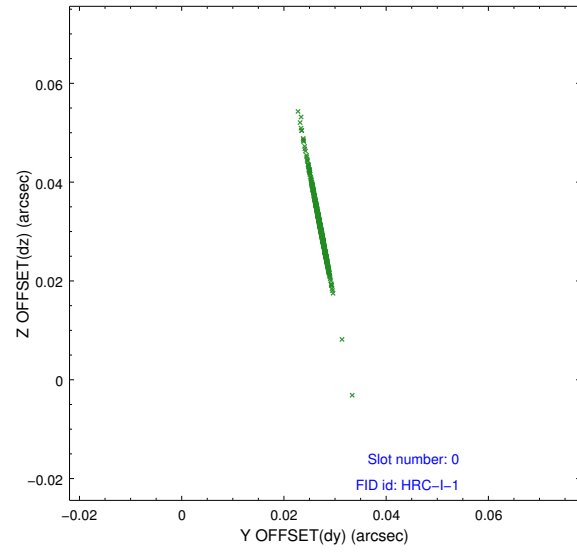


2.4.3 Slot 5

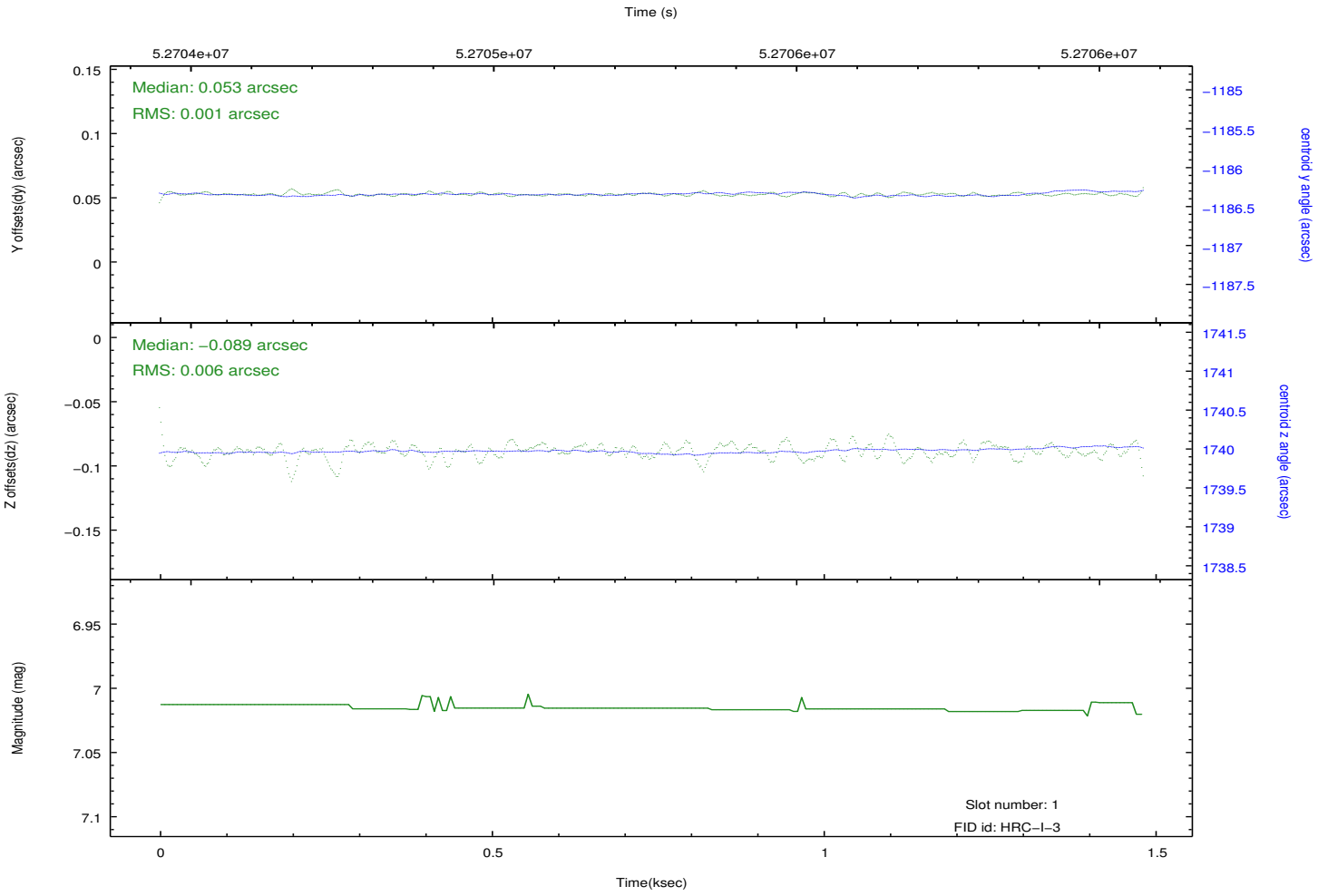
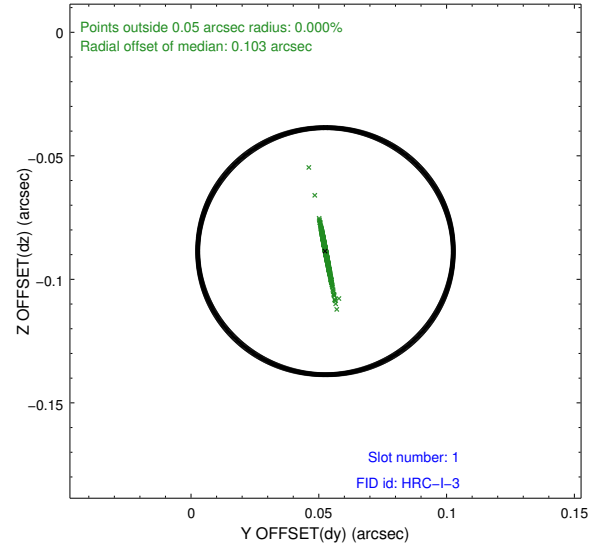
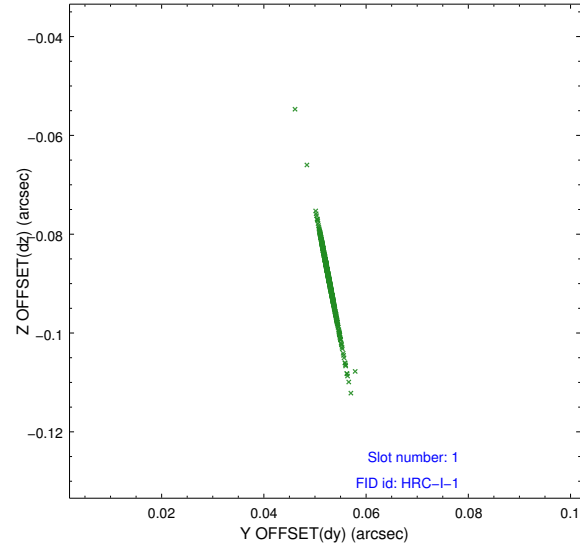


2.5 FID Slots

2.5.1 Slot 0



2.5.2 Slot 1



3 Point Sources

4.44 arcmin



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.01.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.794

A.2 Comments

Slots 2, 6, and 7 were not utilized in this observation.

The guide star in slot 4 was removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one fid light or guide star from the solution.