

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 5050 - L2 Version 3
Chandra X-Ray Center

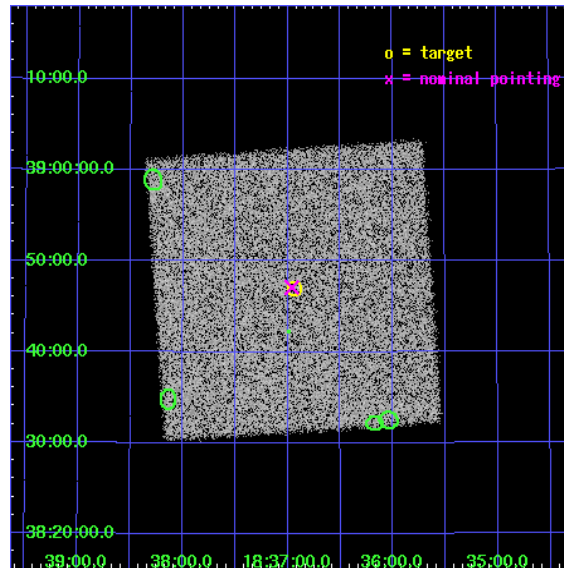
L2 Processing Date : Nov 23 2007

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
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

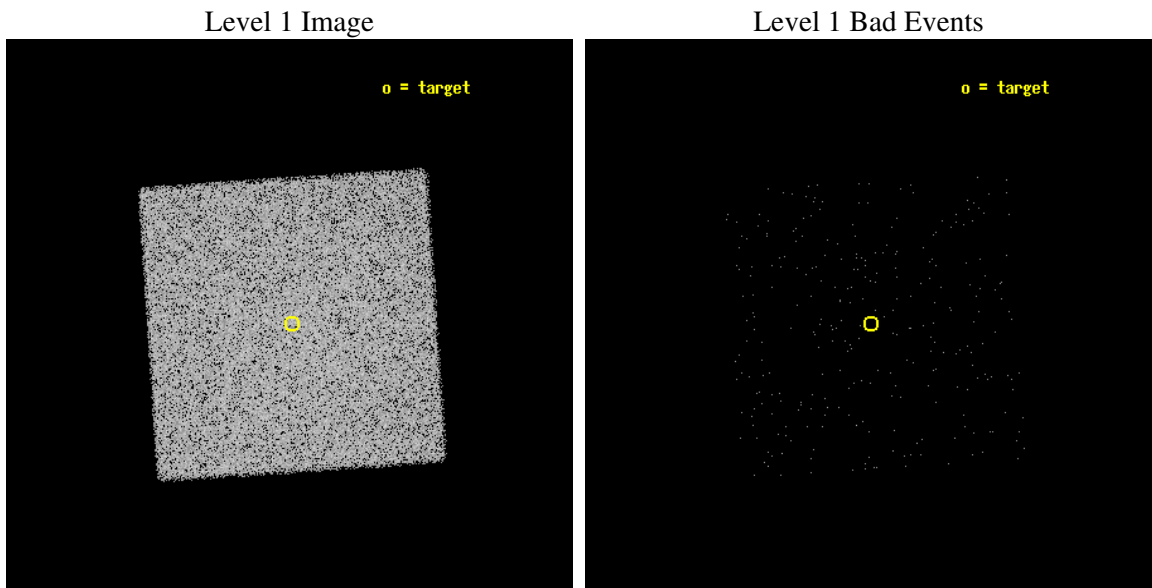
seq_num	290323
obs_id	5050
title	AO5 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.
observer	Dr. CXC Calibration
object	Vega
ra_targ	279.235
dec_targ	38.783778
ra_nom	279.2402475946
dec_nom	38.785192260598
roll_nom	41.115919668899
revision	3
ontime	2083.8250910938
livetime	2071.0686034905
l2events	75459



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-23T22:14:27
revision	3

sched_exp_time	2000.000000
ontime	2083.8250910938
l1events	172299

2.1.3 Events

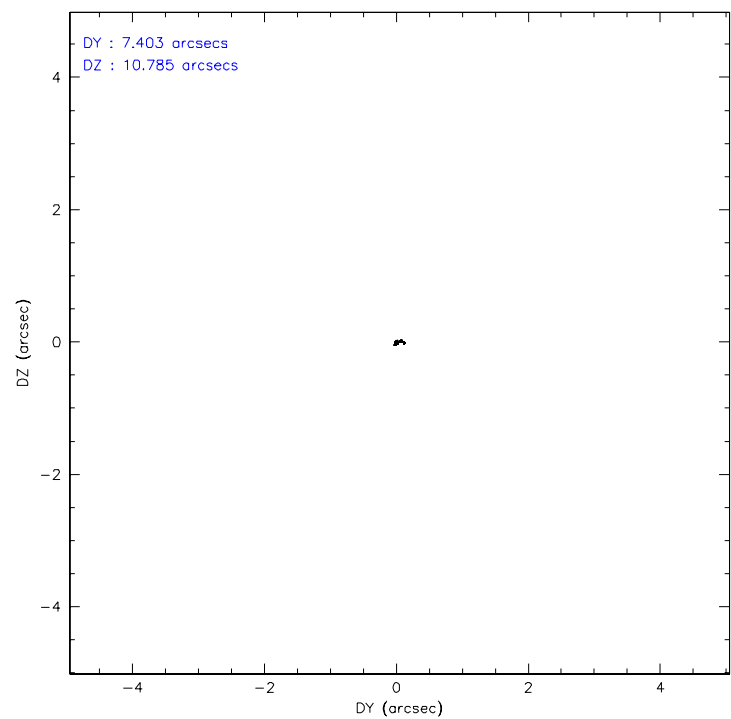
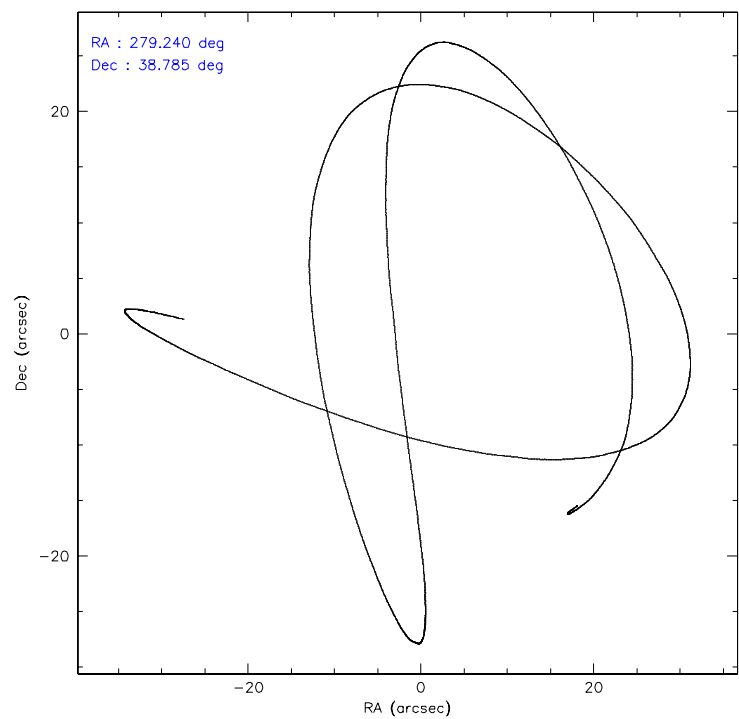
Level 1 Events

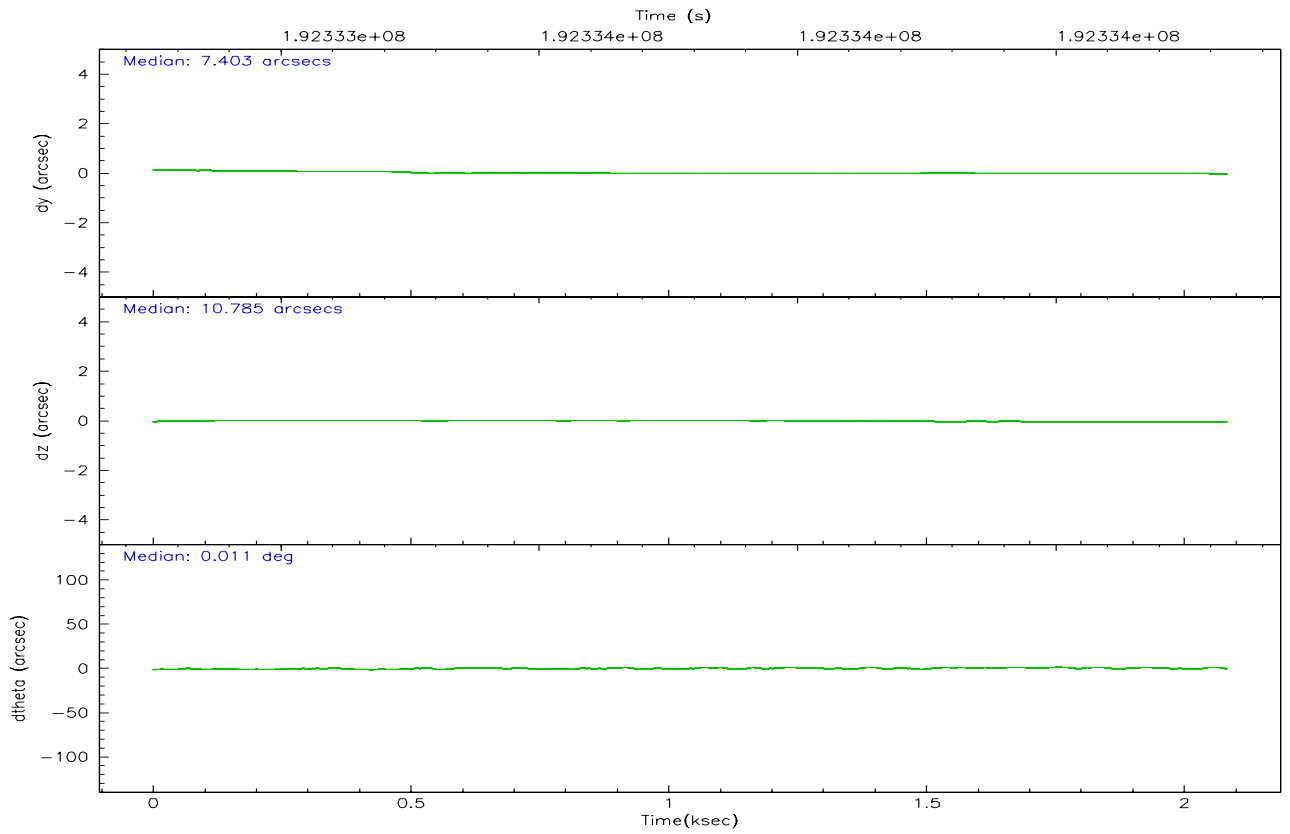
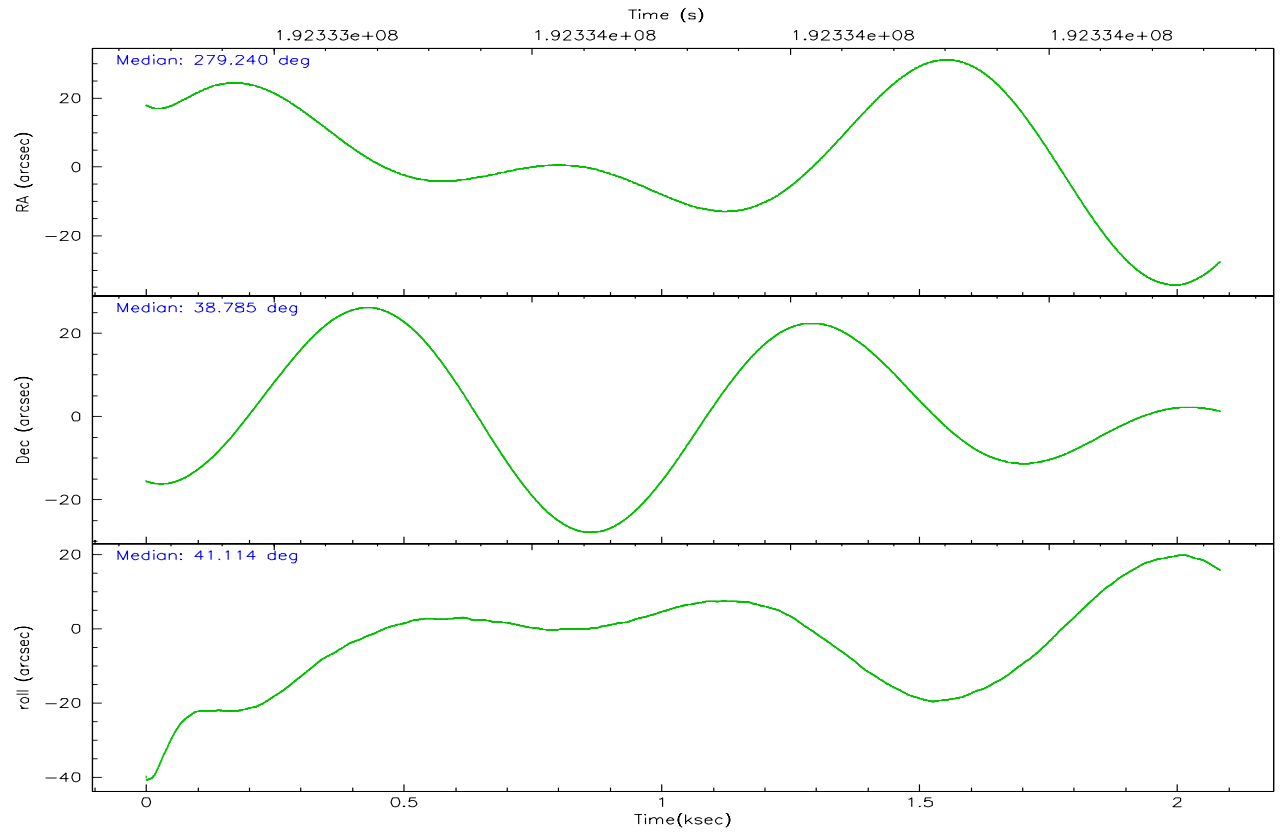
	segment 0
level 1 events	172299
rejected events	64669
rejected %	37%

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	279.229591	279.240247594595			
Pointing Dec	38.759245	38.78519226059832			
Pointing Roll	41.218246	41.11591966889921			
Window start time	191980864.184000	191980864.184000			
Window stop time	197078464.184000	197078464.184000			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9829799899862			
SIM translation stage offset (mm)	0	0.002508901615314585			
Observation start time	192332836.184000	192331570.00504			
Observation start date	2004-02-05T01:46:12	2004-02-05T01:26:10			
Observation end time	192334836.184000	192334971.98019			
Observation end date	2004-02-05T02:19:32	2004-02-05T02:22:51			

2.3 Aspect



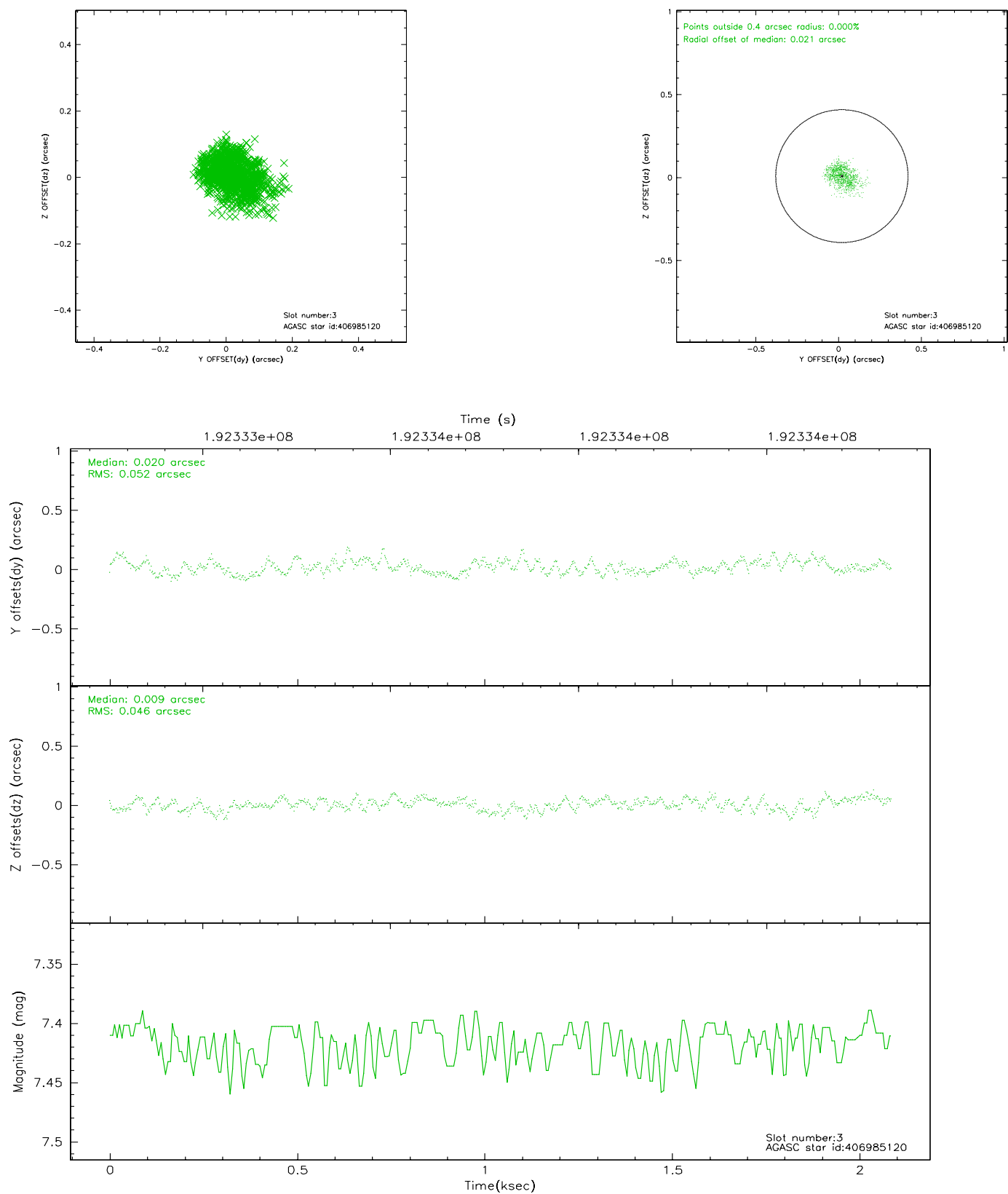


Slot Statistics

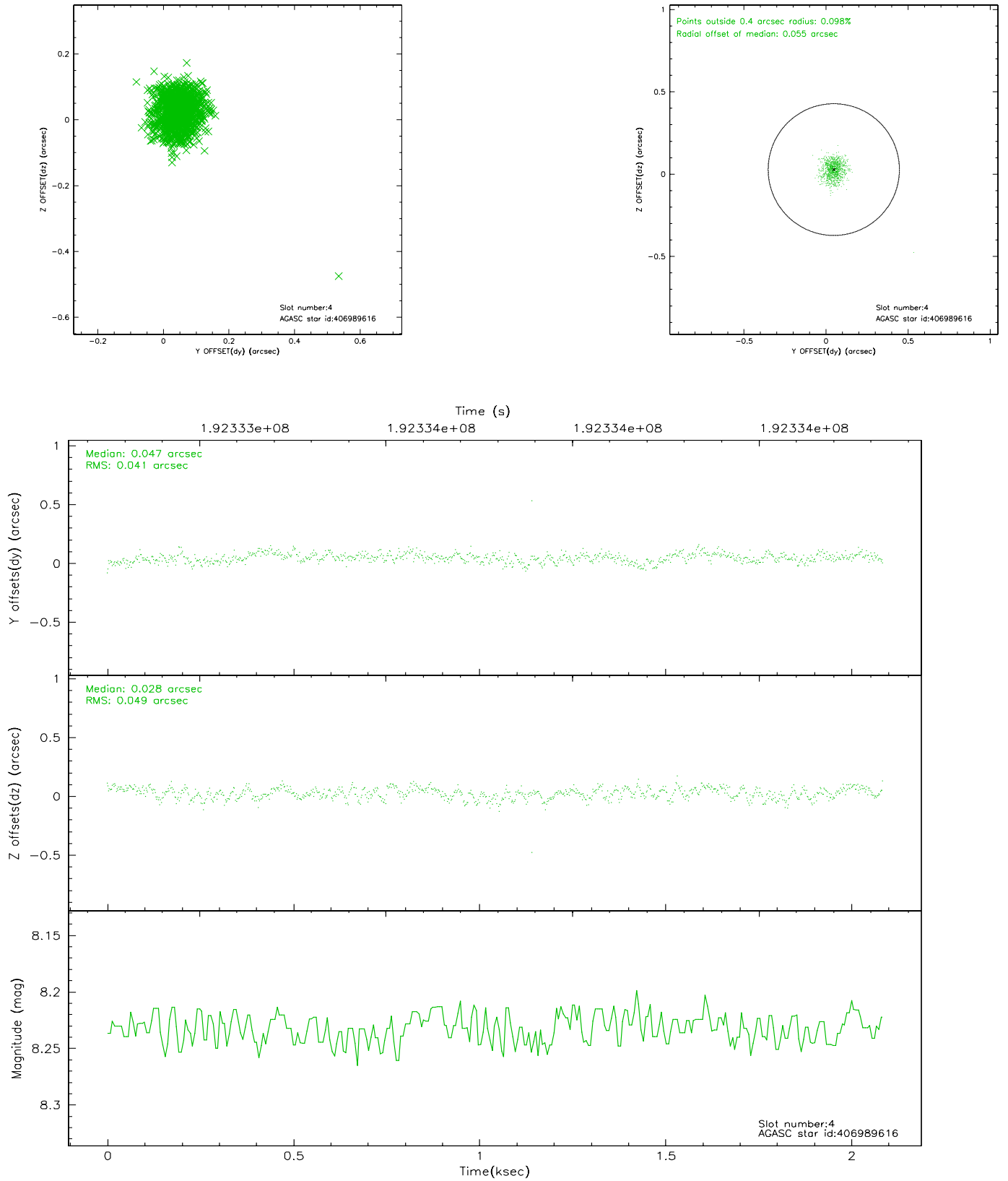
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.00	509	-0.036	-0.058	0.006	0.009	0.000000	0.000000	-763.10	-1298.76
1	FID	HRC-I-2	7.04	509	0.091	-0.034	0.007	0.011	0.000000	0.000000	848.16	-1302.92
2	FID	HRC-I-4	7.03	509	0.060	0.000	0.005	0.009	0.000000	0.000000	1281.54	1000.83
3	GUIDE	406985120	7.42	1018	0.020	0.009	0.074	0.113	278.839732	38.894839	-499.02	1088.89
4	GUIDE	406989616	8.23	1018	0.047	0.028	0.065	0.101	279.202881	38.520843	-623.02	-594.74
5	GUIDE	406990192	8.99	1018	0.002	-0.072	0.084	0.156	278.510952	38.533654	-2053.33	728.02
6	GUIDE	406993992	7.62	1018	-0.057	0.027	0.060	0.100	279.053714	38.034587	-2096.26	-1632.76
7	GUIDE	406983600	8.93	1017	-0.012	0.009	0.079	0.128	279.940957	39.020708	2119.43	-598.95

2.4 Star Slots

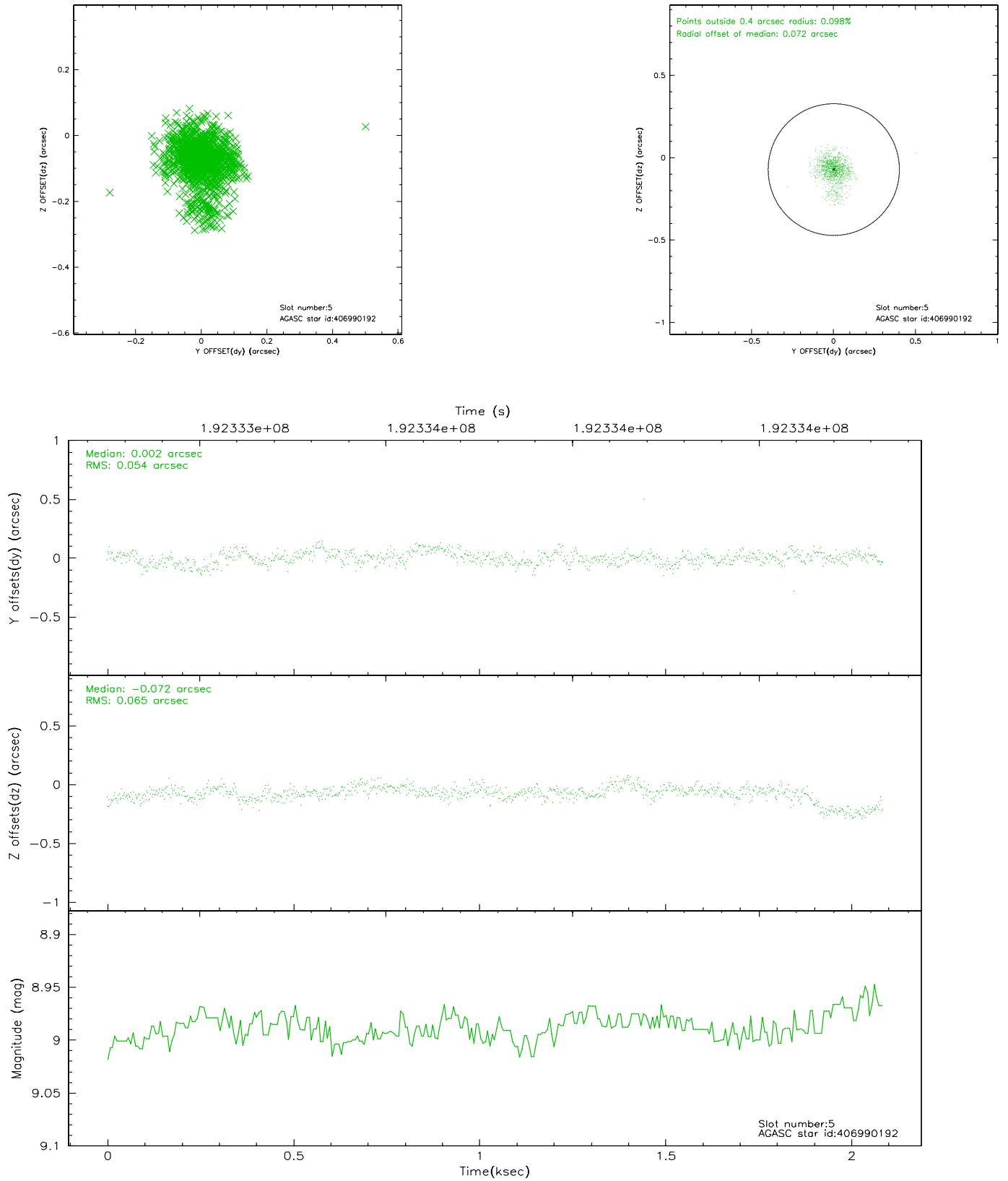
2.4.1 Slot 3



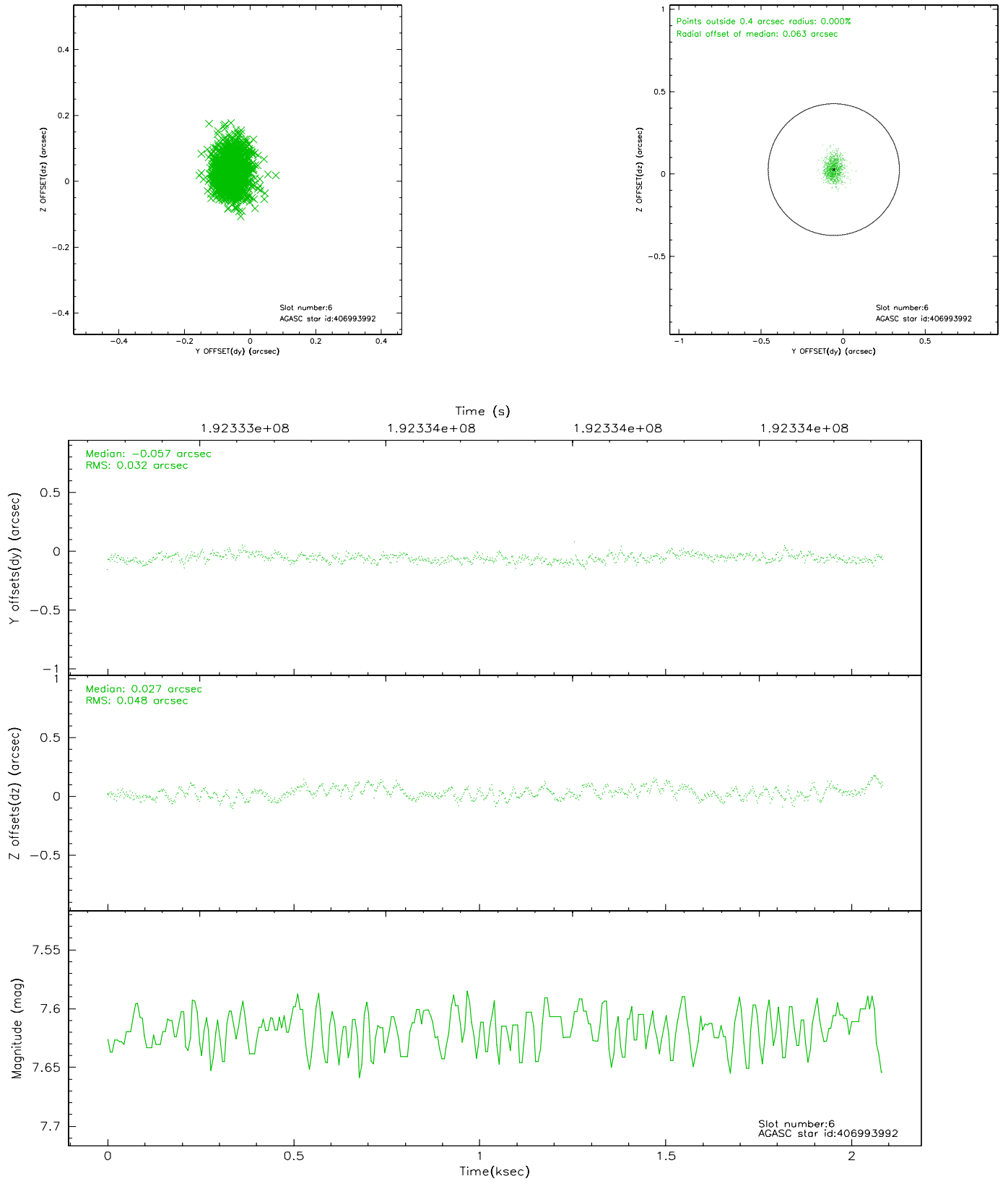
2.4.2 Slot 4



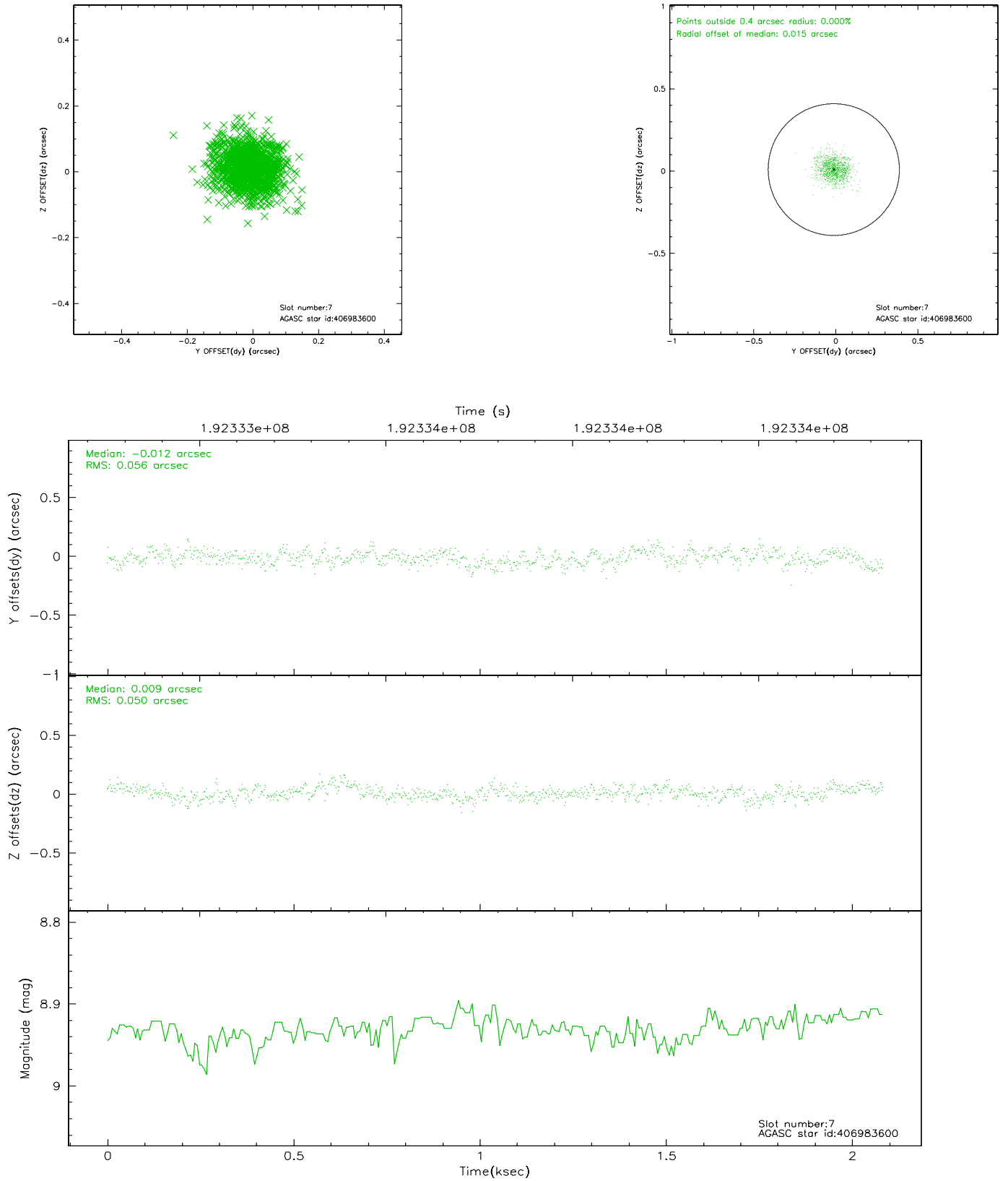
2.4.3 Slot 5



2.4.4 Slot 6

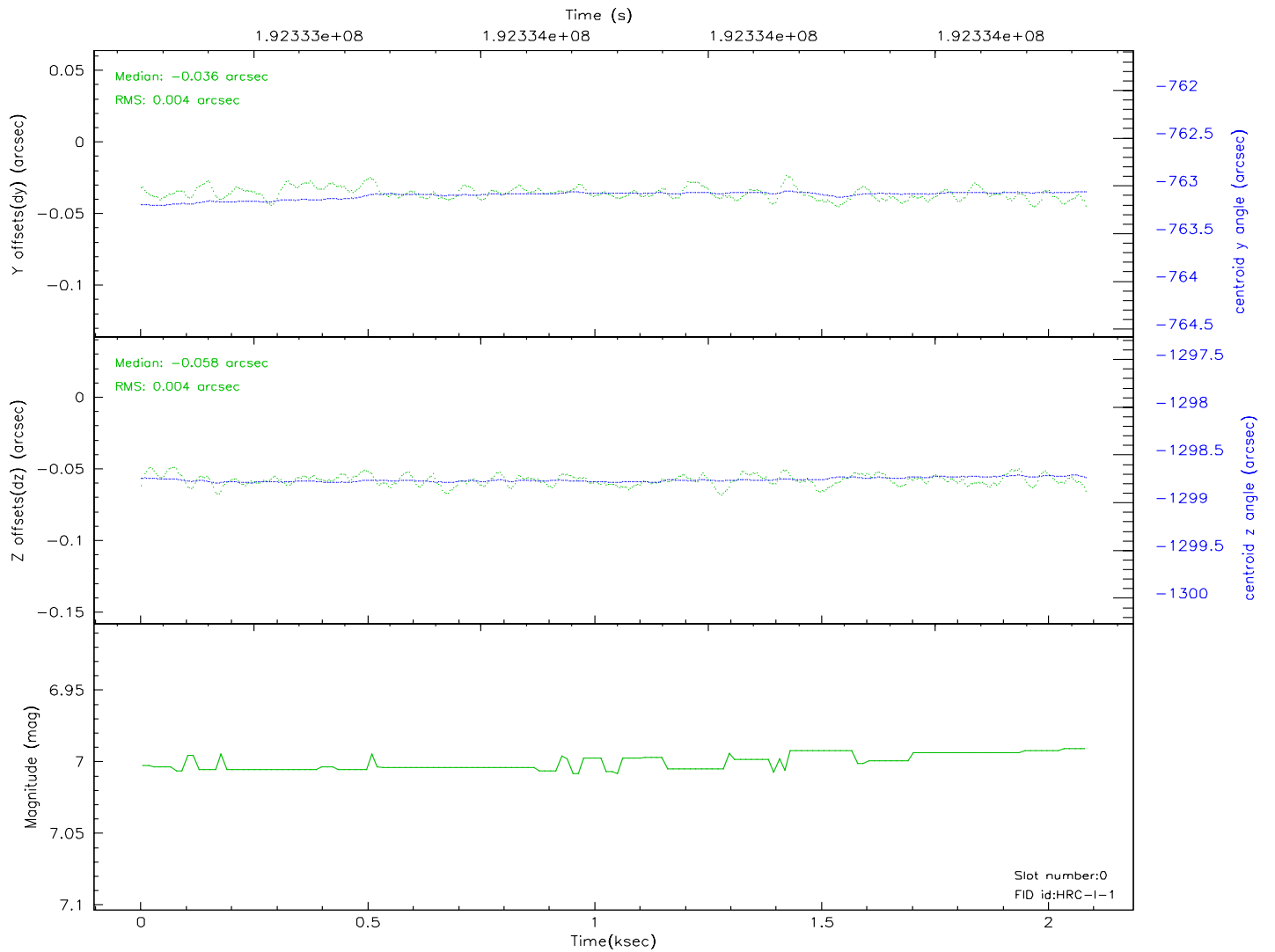
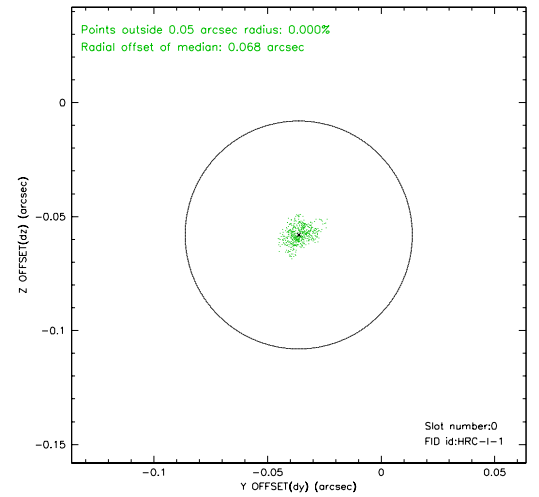
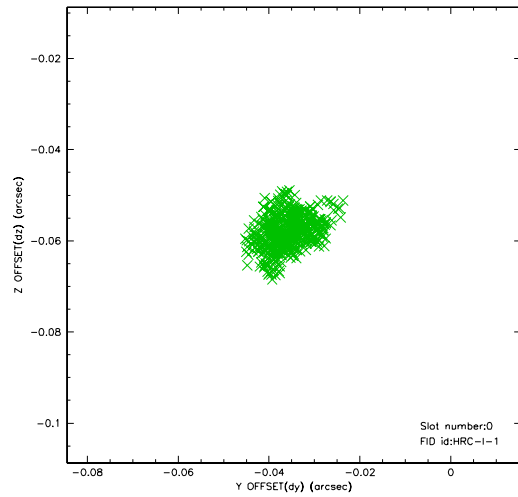


2.4.5 Slot 7

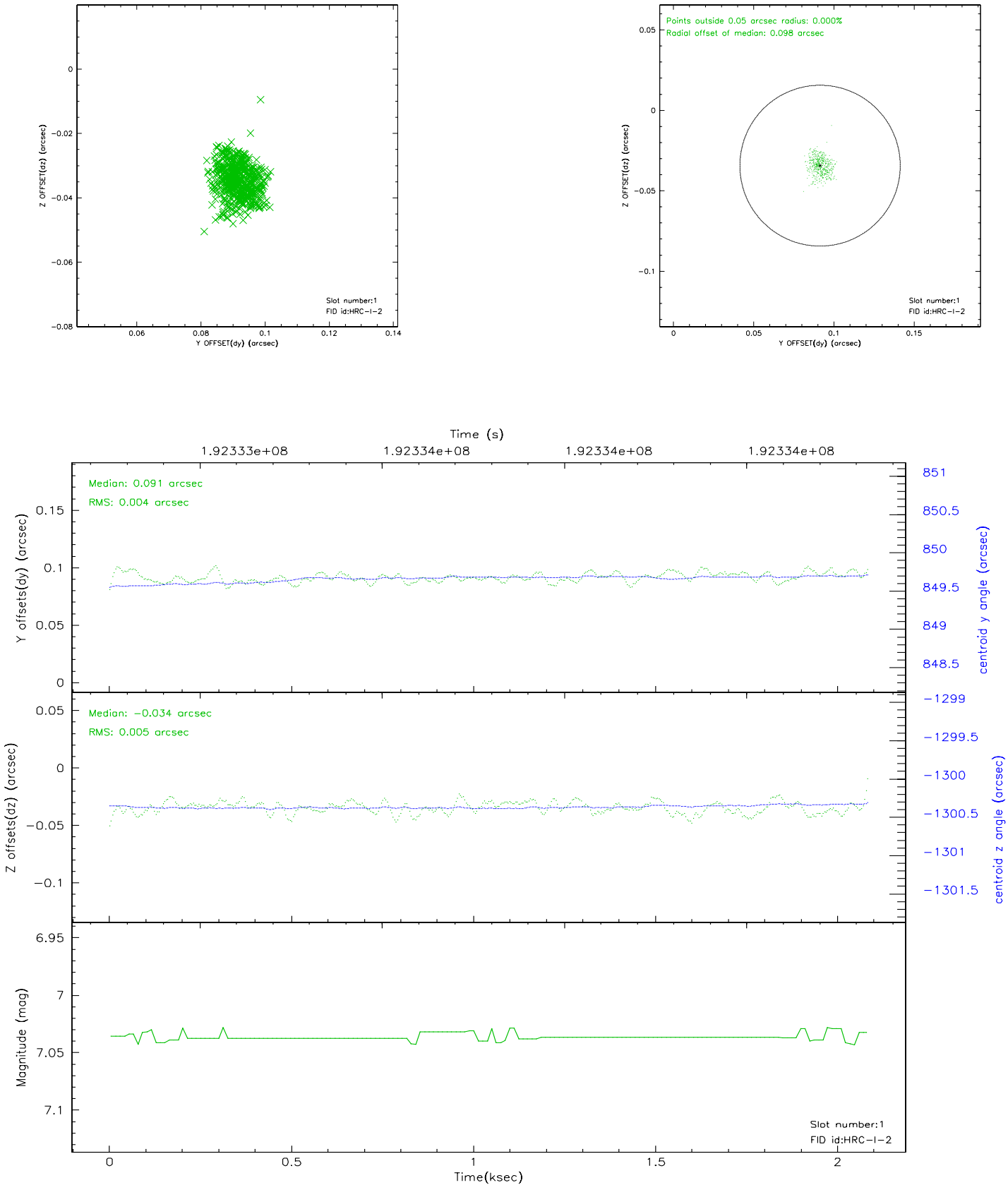


2.5 FID Slots

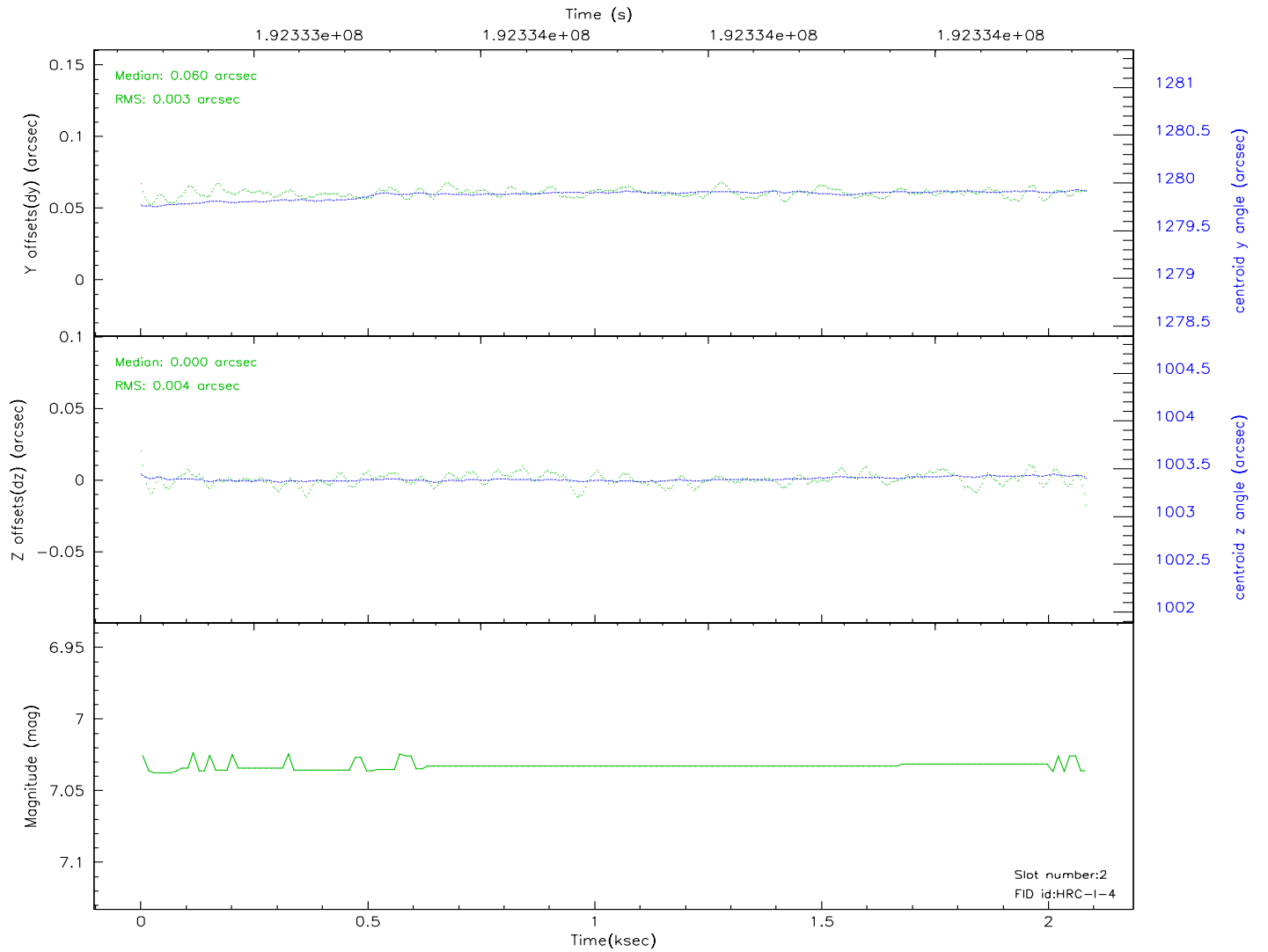
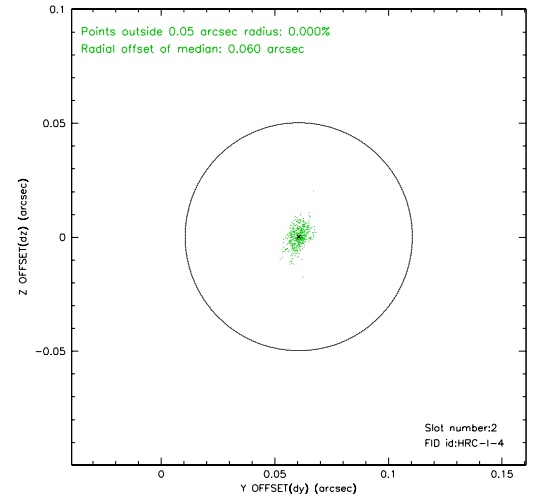
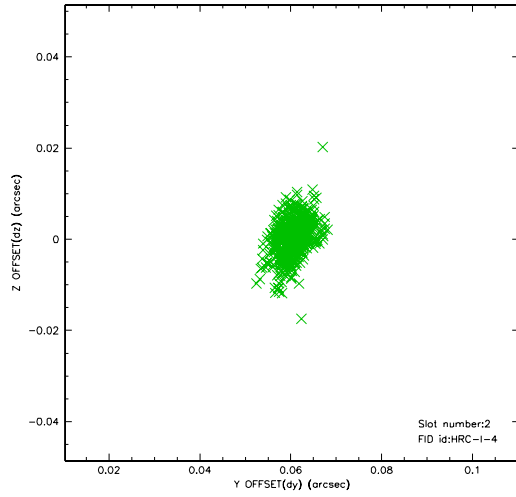
2.5.1 Slot 0



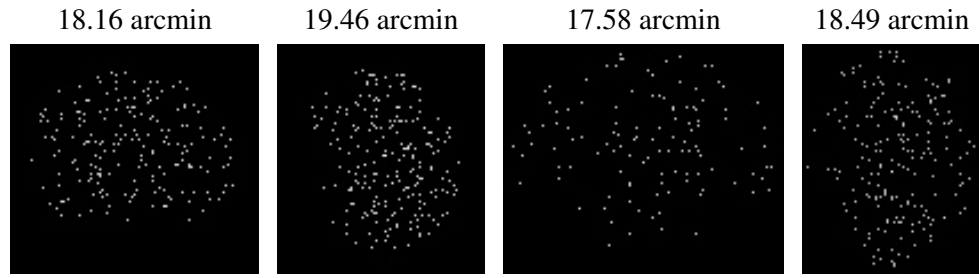
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.12.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.084

A.2 Comments

The current observation has been reprocessed as part of Repro III ('C' supplement) the purpose of which is to update all HRC-I ObsIDs since Jan 2000 to the latest calibrations available for that configuration. Specifically, we are updating the DEGAP solution and the Gain Maps applied. For more information see the Repro IIIC web page at:

<http://asc.harvard.edu/cda/repro3.html#IIIC>

and the associated links.