

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5079 - L2 Version 3
Chandra X-Ray Center

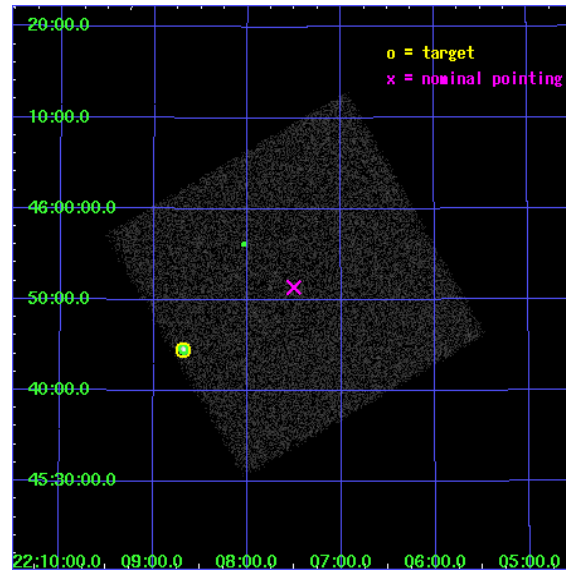
L2 Processing Date : Nov 23 2007

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1 Front

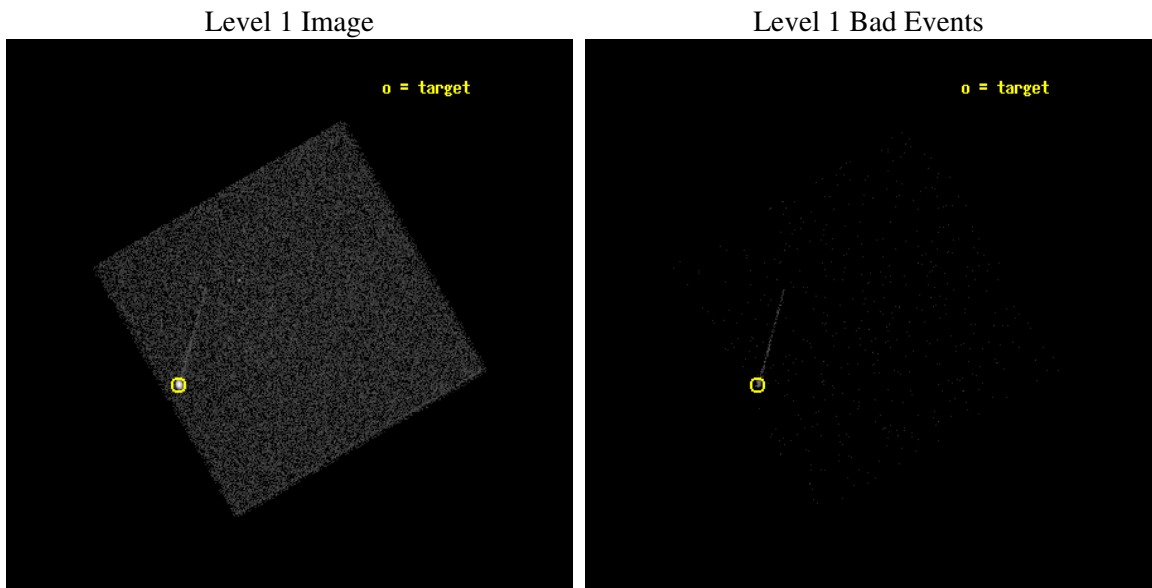
seq_num	290352
obs_id	5079
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	331.87620036973
dec_nom	45.856565863733
roll_nom	284.82502951563
revision	3
ontime	1085.7312988043
livetime	1078.0477485476
l2events	42311



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-24T04:00:27
revision	3

sched_exp_time	900.000000
ontime	1085.7312988043
l1events	80081

2.1.3 Events

Level 1 Events

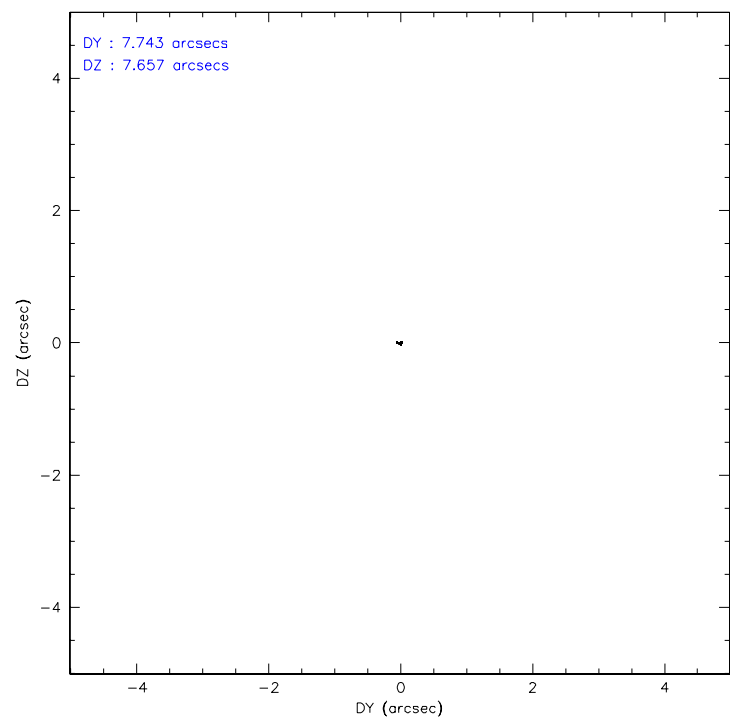
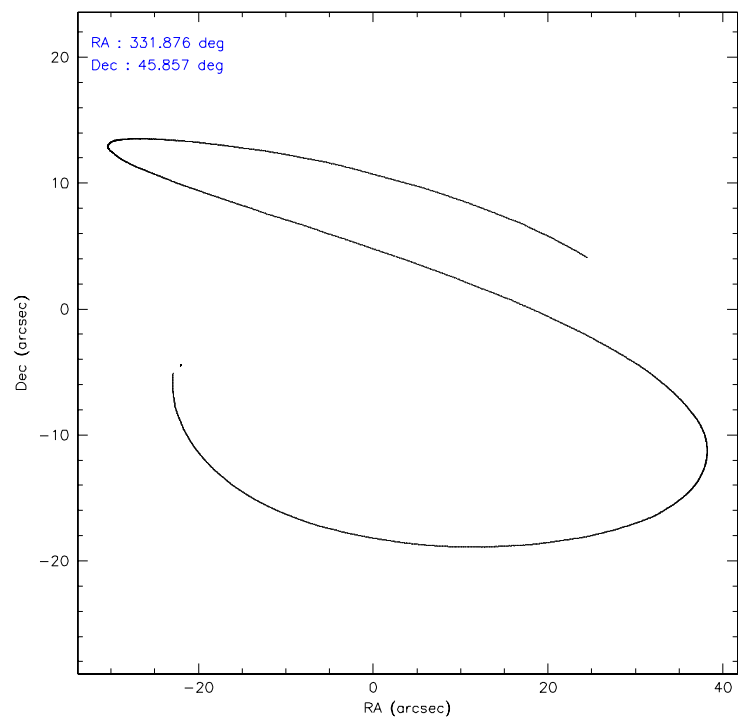
	segment 0
level 1 events	80081
rejected events	18590
rejected %	23%

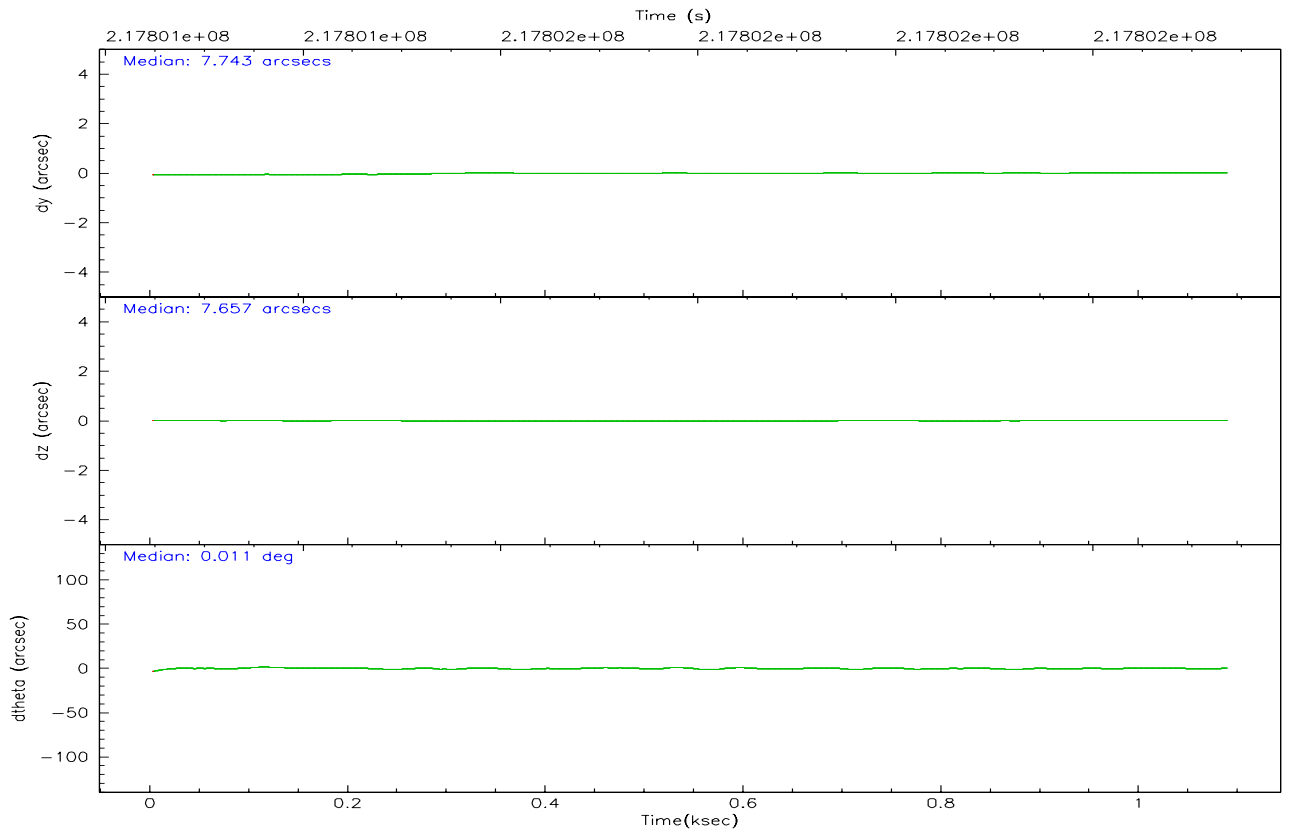
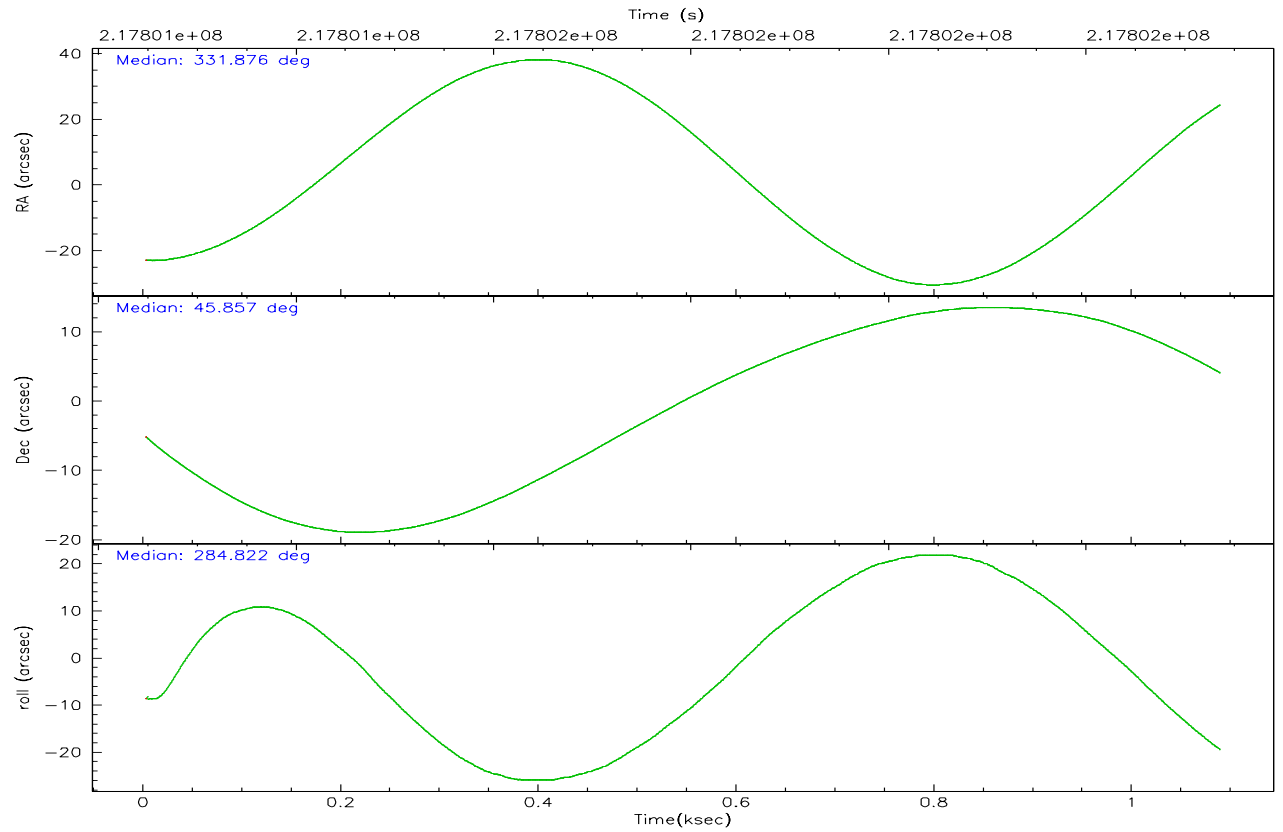
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	331.848848	331.8762003697326
Pointing Dec	45.875457	45.85656586373316
Pointing Roll	284.940455	284.8250295156292
SIM focus pos (mm)	-1.040293	-1.038866356238299
SIM defocus (mm)	0	0.001426264420575141
SIM translation stage pos (mm)	126.985494	126.9854943052878
SIM translation stage offset (mm)	0	-5.413686238853188e-06
Observation start time	217801437.184000	217801061.20891
Observation start date	2004-11-25T20:22:53	2004-11-25T20:17:41
Observation end time	217802337.184000	217802471.60897
Observation end date	2004-11-25T20:37:53	2004-11-25T20:41:11

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

2.3 Aspect



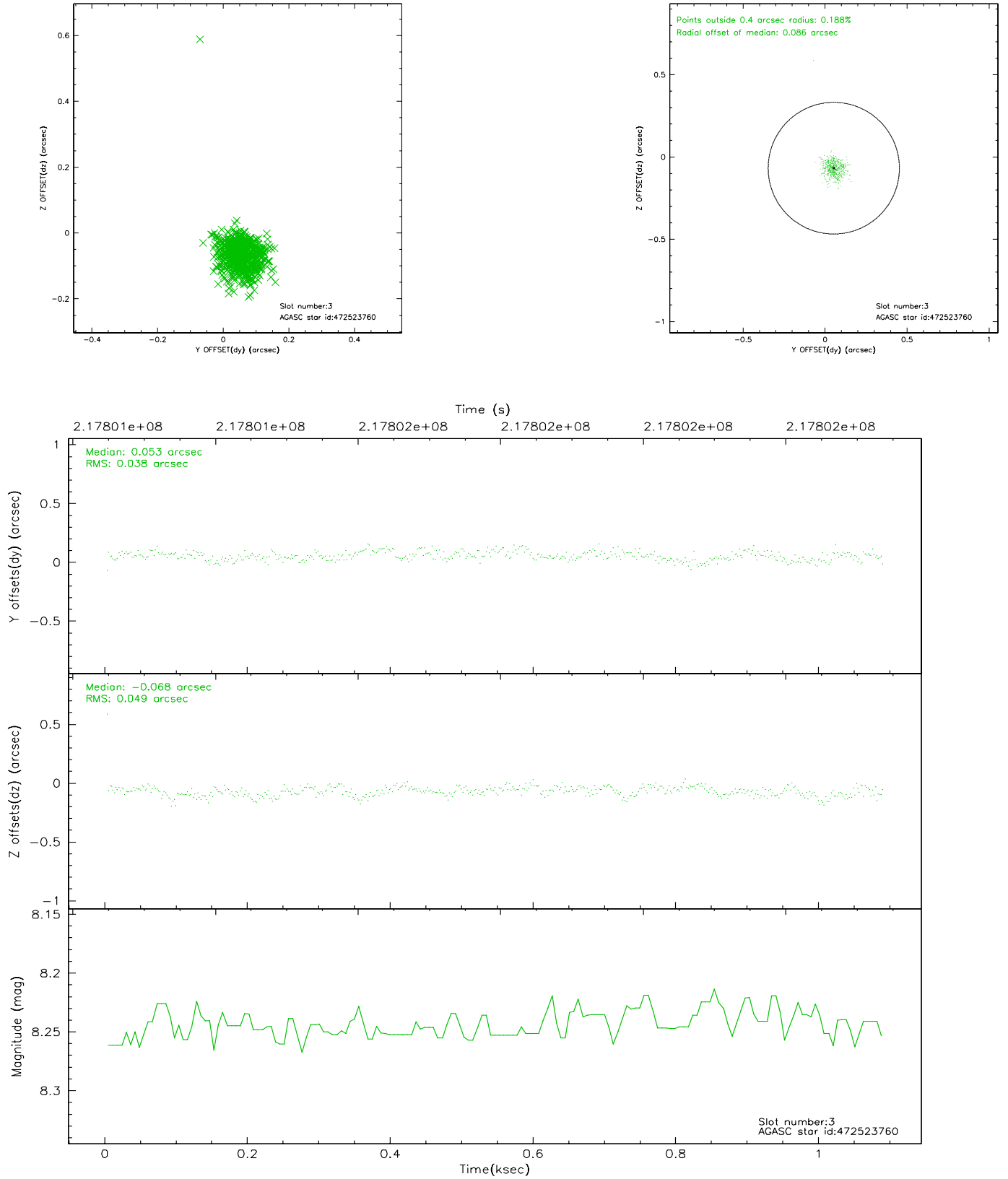


Slot Statistics

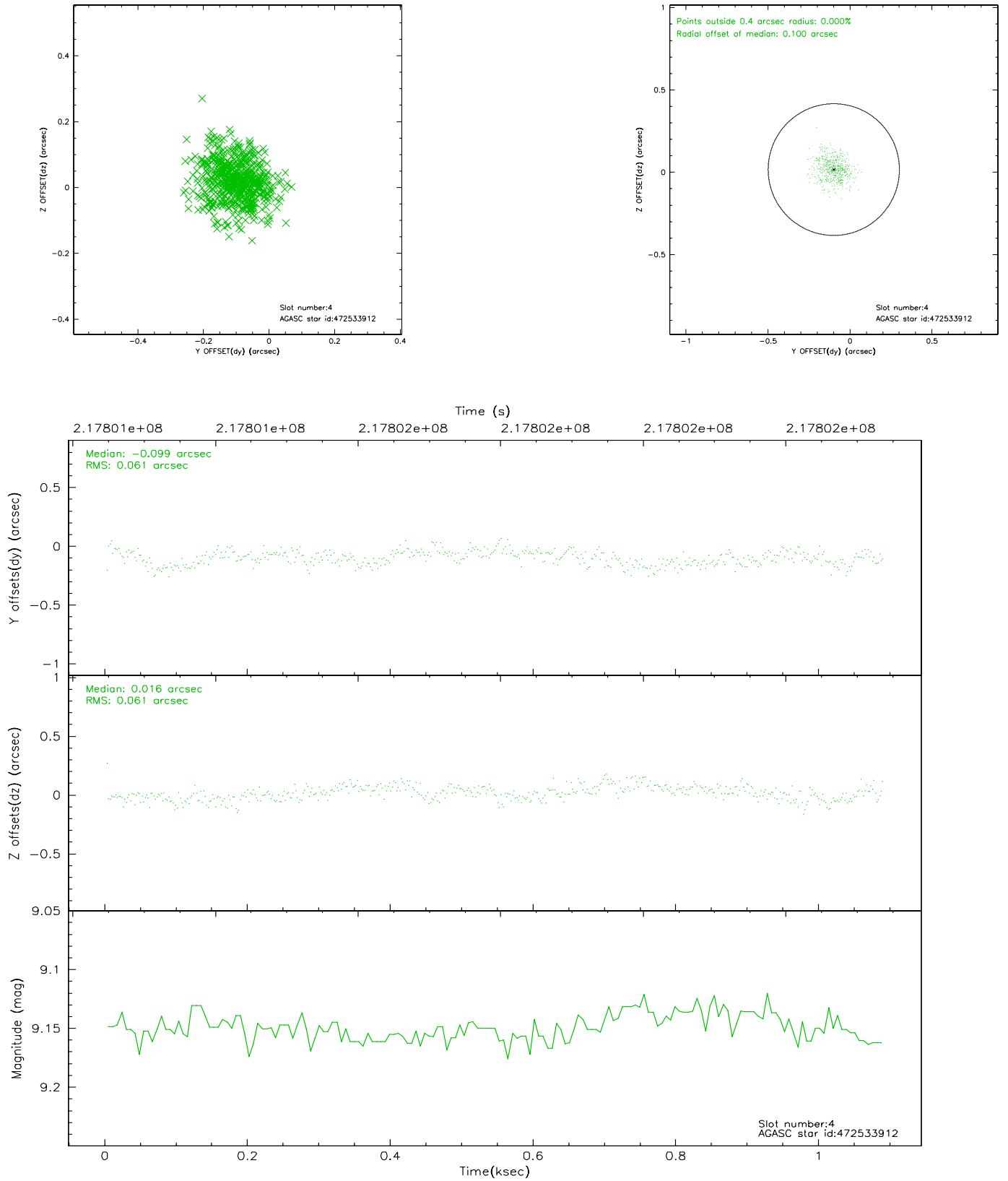
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.01	266	0.043	0.000	0.007	0.010	0.000000	0.000000	-763.35	-1295.54
1	FID	HRC-I-3	7.10	265	-0.069	-0.049	0.007	0.011	0.000000	0.000000	-1194.73	1004.11
2	FID	HRC-I-4	7.04	266	0.141	-0.040	0.006	0.010	0.000000	0.000000	1275.14	1010.27
3	GUIDE	472523760	8.25	531	0.053	-0.068	0.060	0.095	331.645363	45.403260	1509.69	-933.06
4	GUIDE	472533912	9.15	531	-0.099	0.016	0.093	0.148	331.791136	46.368695	-1749.57	319.48
5	GUIDE	472535400	8.79	531	-0.162	-0.034	0.074	0.133	331.047001	46.353888	-2190.49	-1475.88
6	GUIDE	472655152	9.42	528	0.023	0.102	0.123	0.189	332.504239	45.862991	456.71	1576.99
7	GUIDE	472527720	7.03	530	0.176	-0.034	0.083	0.135	331.460205	45.112509	2398.43	-1656.45

2.4 Star Slots

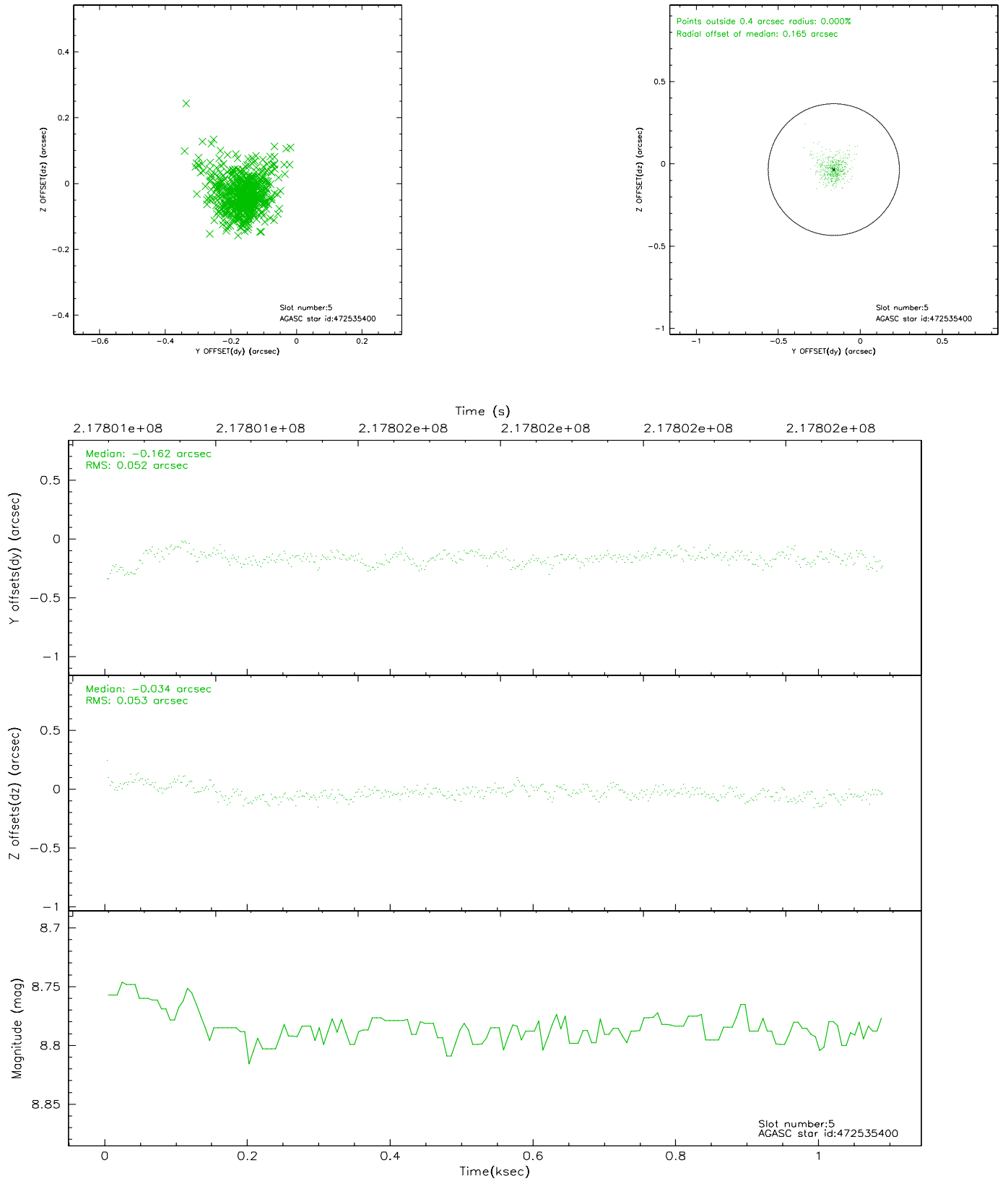
2.4.1 Slot 3



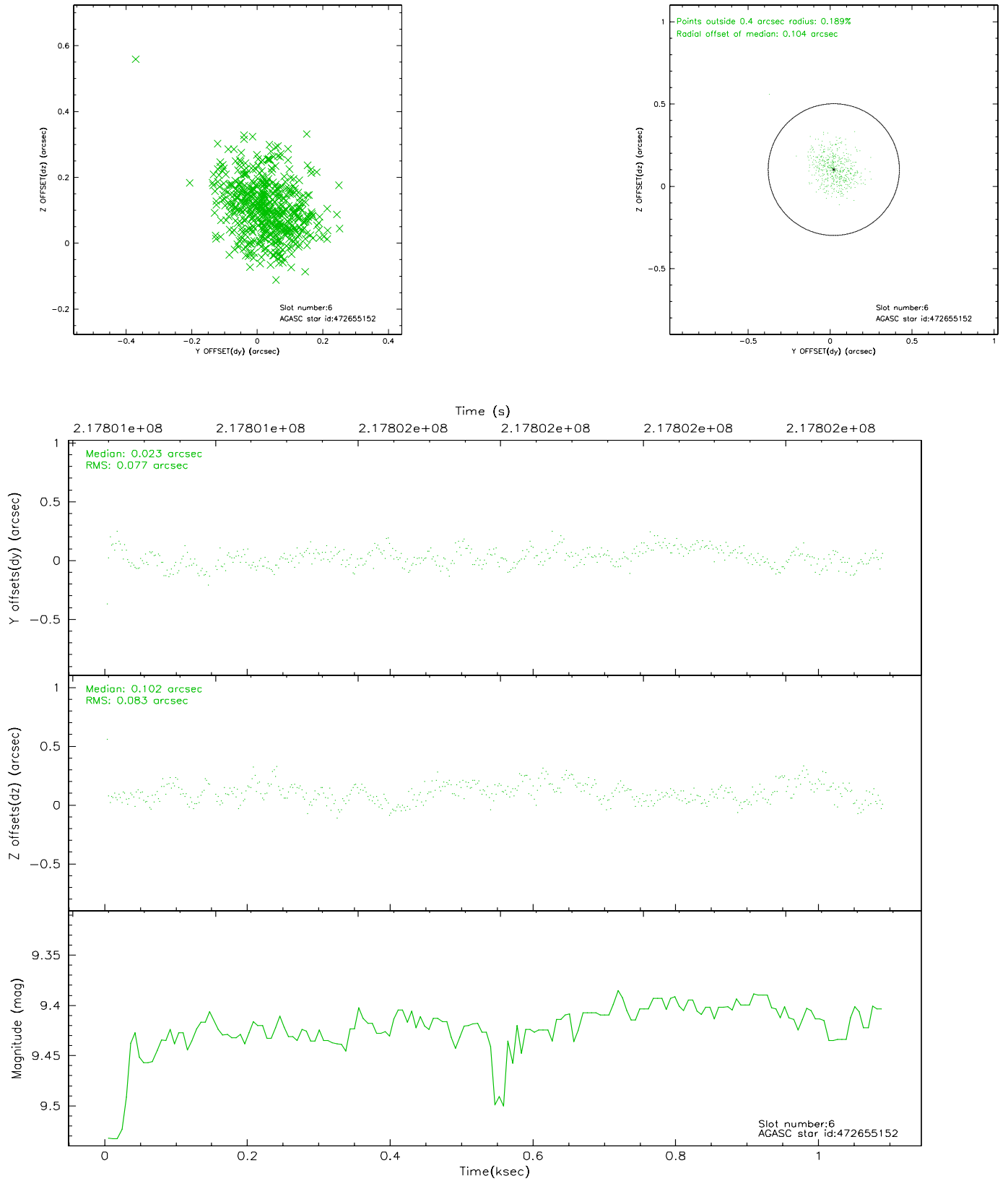
2.4.2 Slot 4



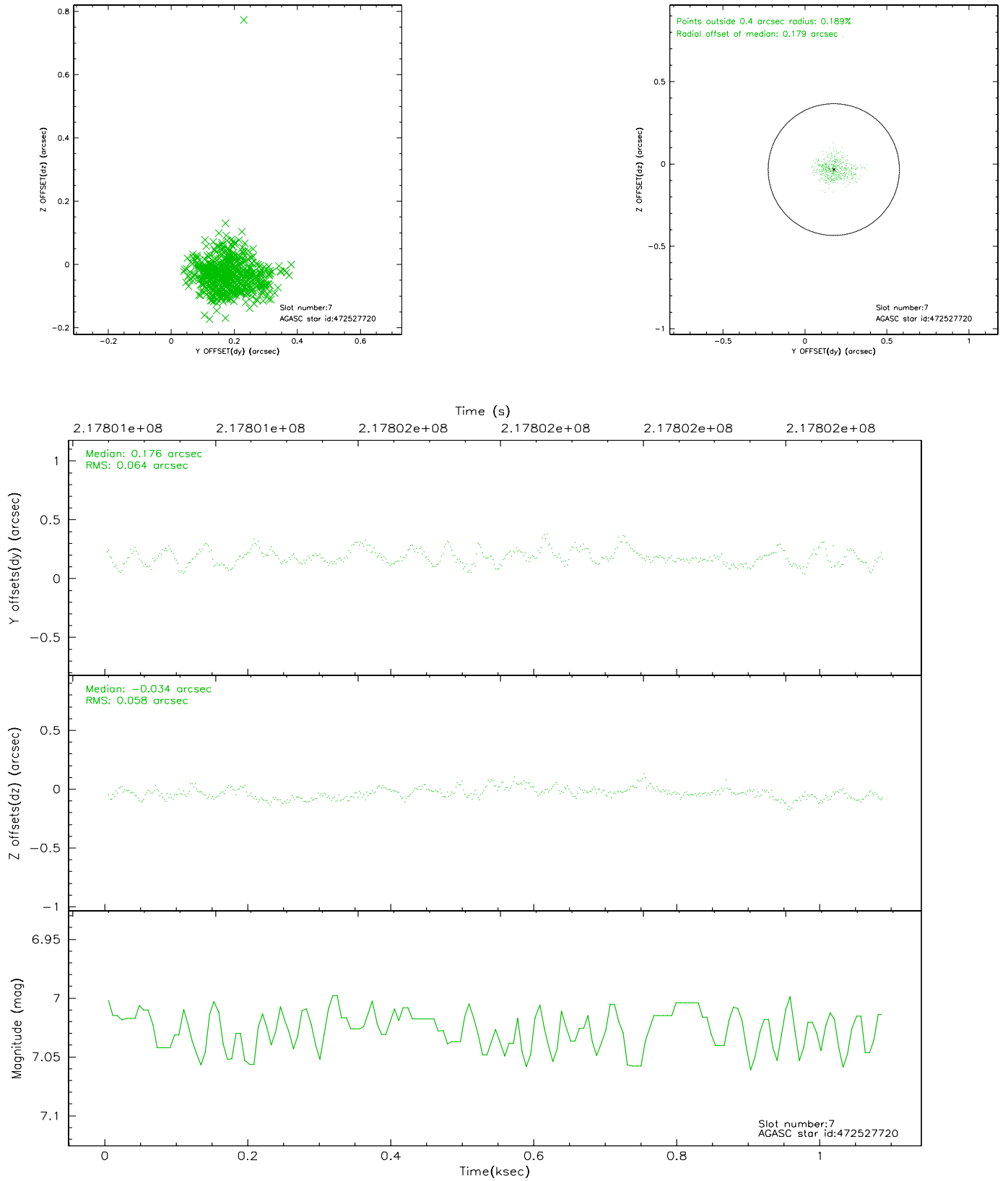
2.4.3 Slot 5



2.4.4 Slot 6

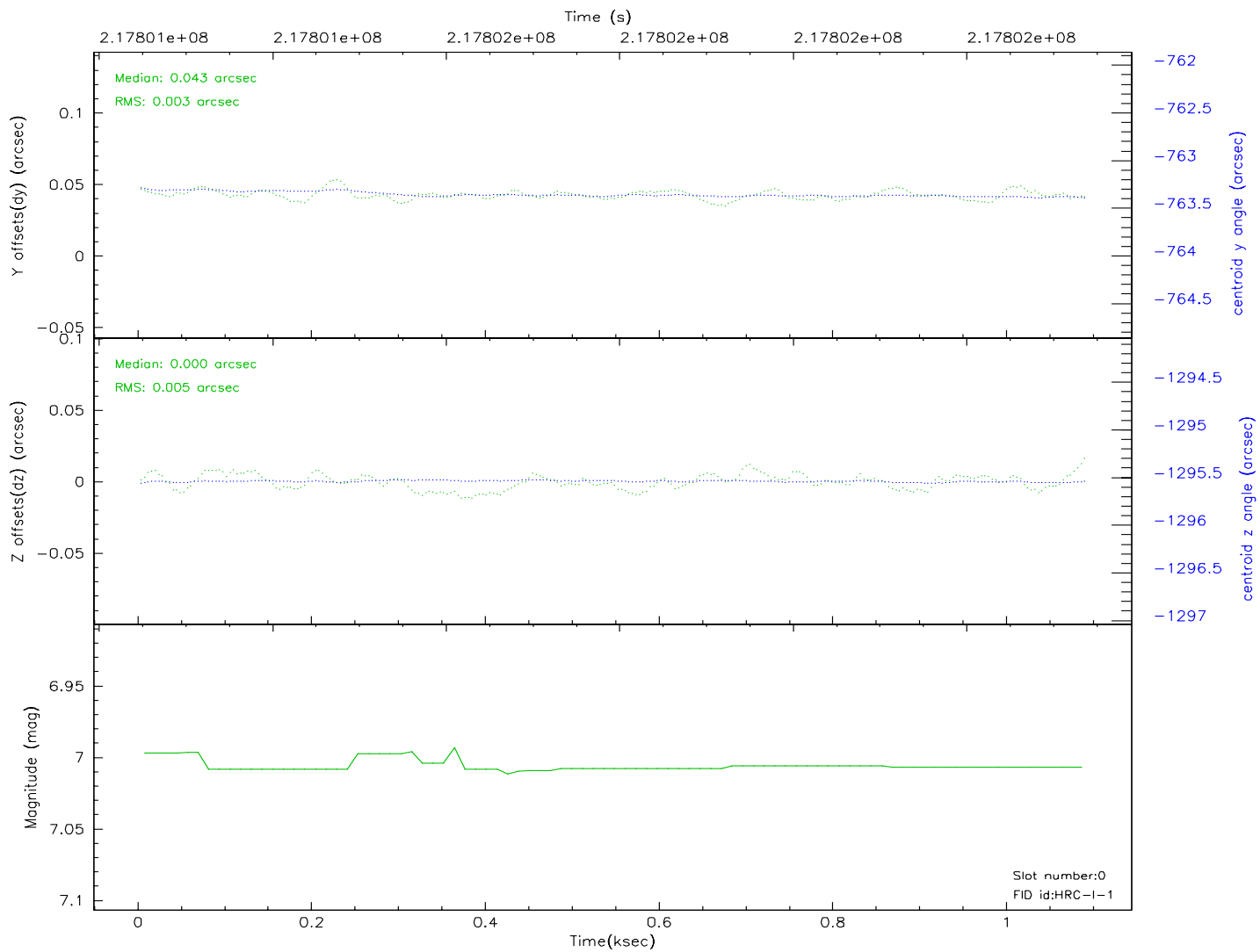
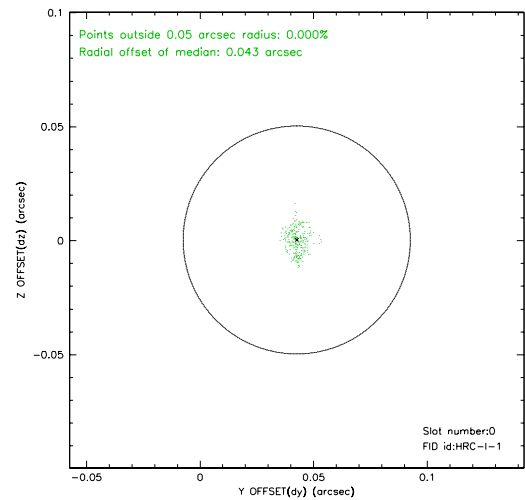
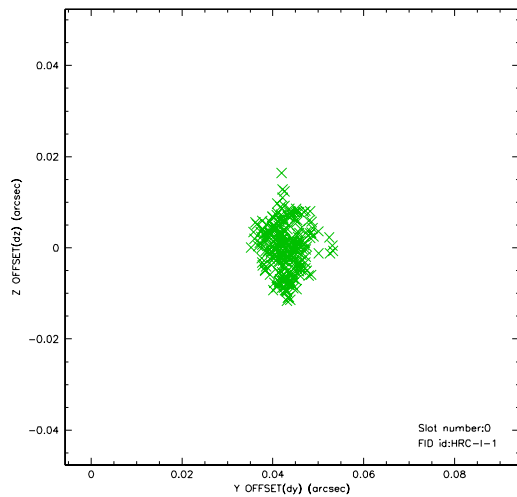


2.4.5 Slot 7

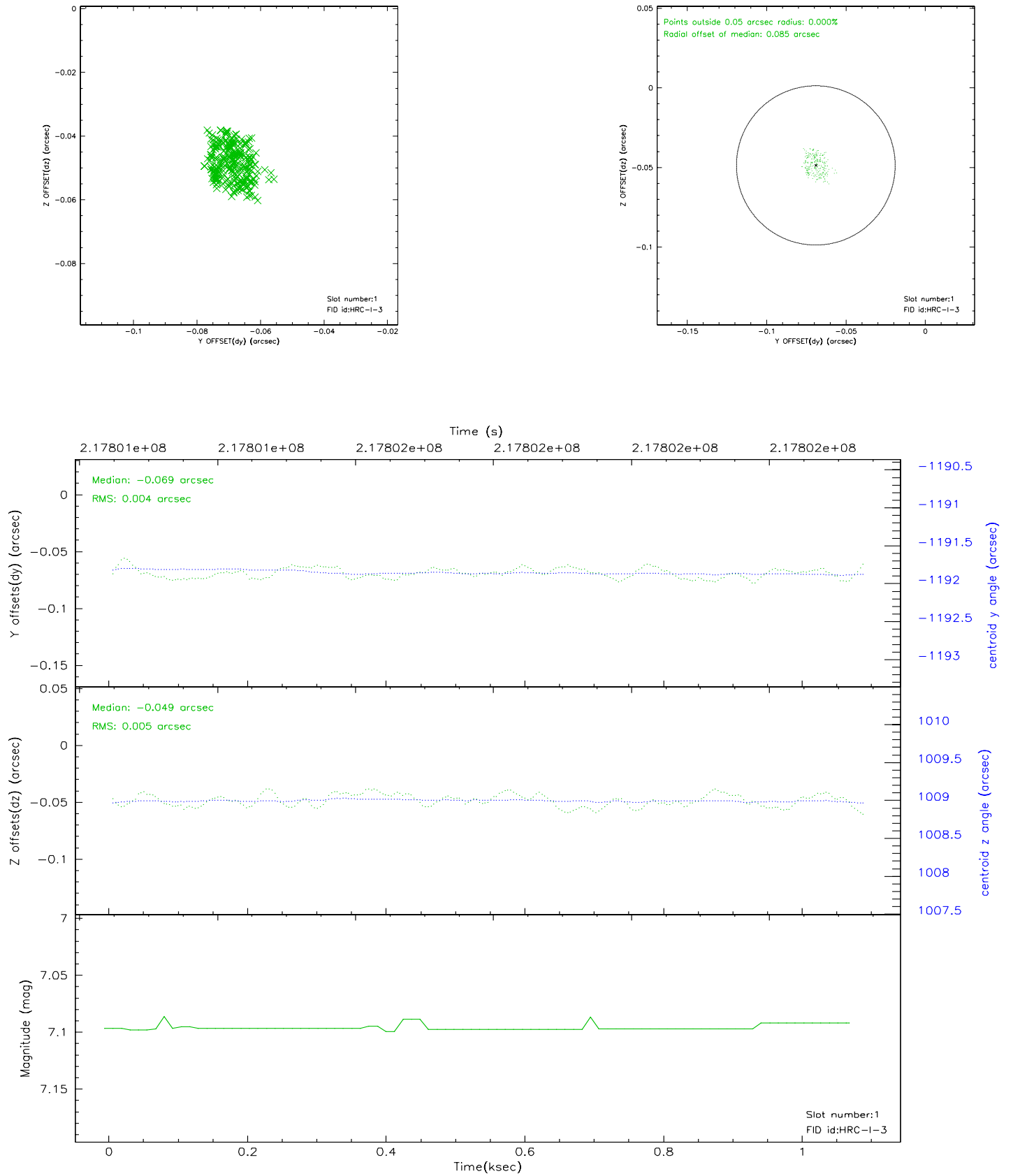


2.5 FID Slots

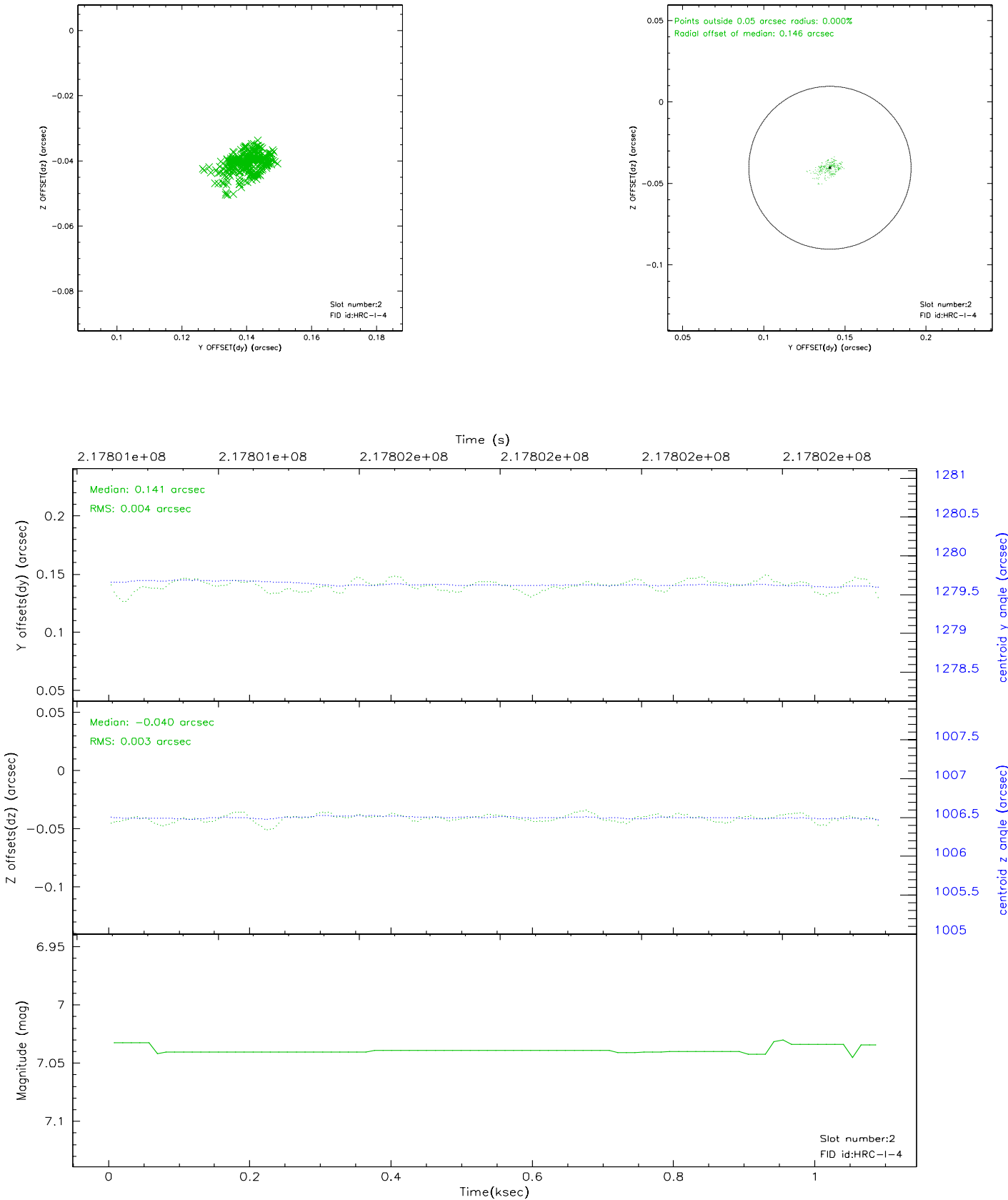
2.5.1 Slot 0



2.5.2 Slot 1

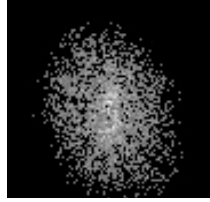


2.5.3 Slot 2



3 Point Sources

14.06 arcmin



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	1.085731

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.