

**BASICS OF DENDRO:
BHUTAN FIELDWEEK 2018**



NAMGAY

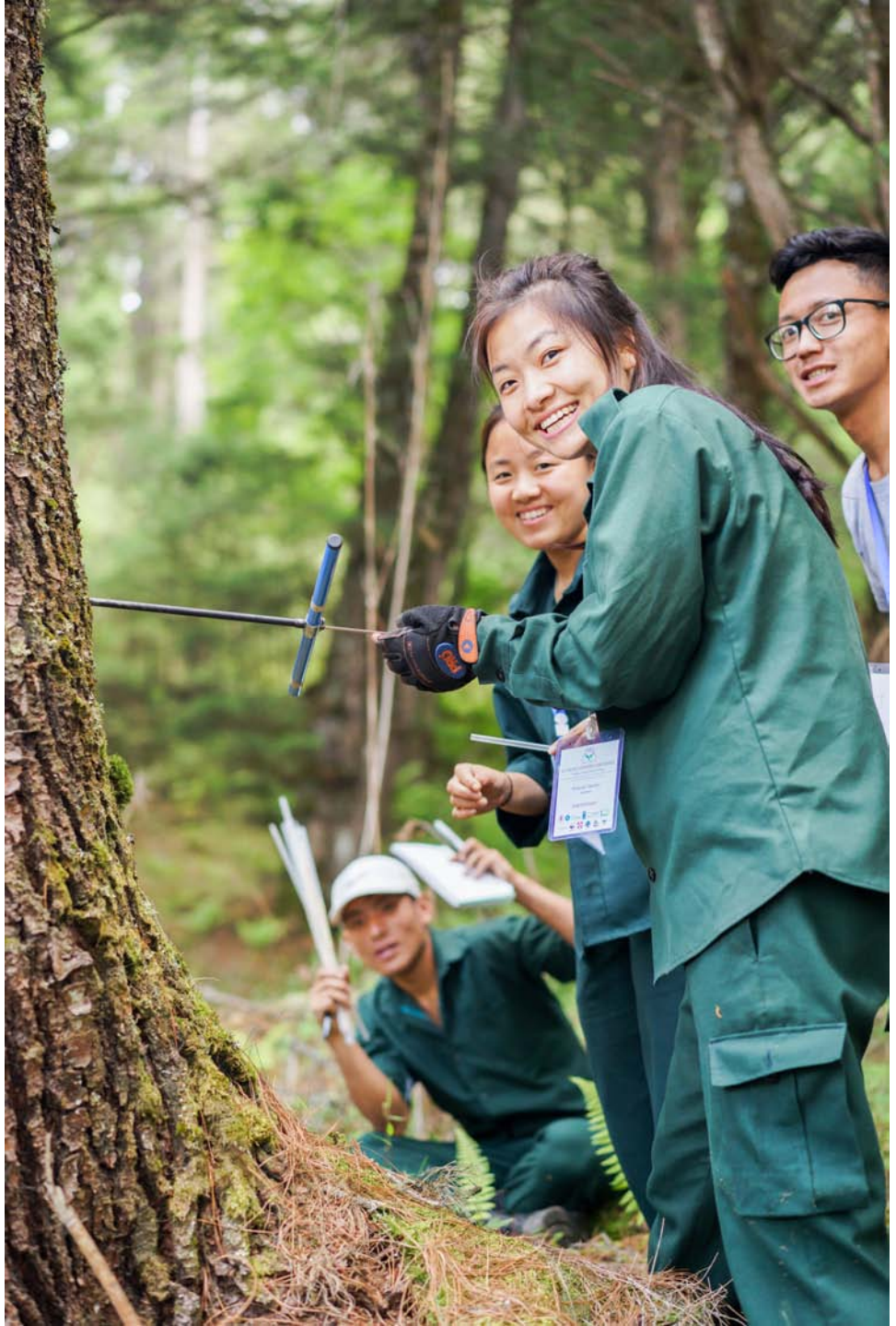
CHODEN



NIDUP



KHANDU



TT



PEMA



LINDO



JIGME



SONAM



JAMBAY



SANG



ZAM



YESHEY



UPEE



KT



SUNIL

DORJI & DR. ED



PALMER



BETHANY



DAN



Dendrochronology is not only for the elite students

Because we are doing it for the 1st time



Learn basics of dendro

Compare the tree rings in disturbed and less disturbed areas

Hypothesis:

Growth release, wider rings in the trees of disturbed forest







9B

JKR 08B

1971

1972

1980

1990

5961, JKR 08A

1970

1980

1990

JKR 06A

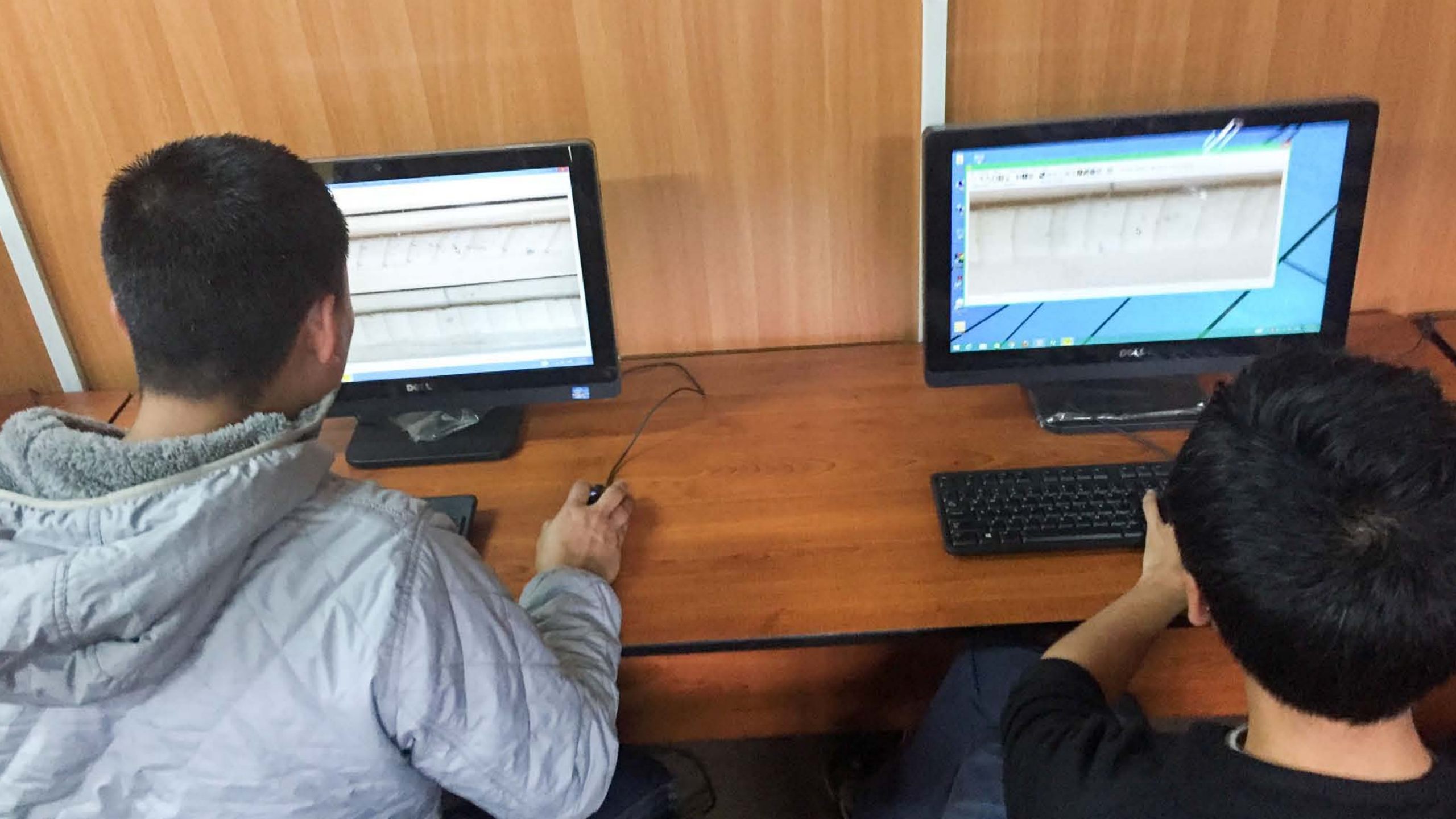
JKR 04A

JKR 04B

JKR 03A





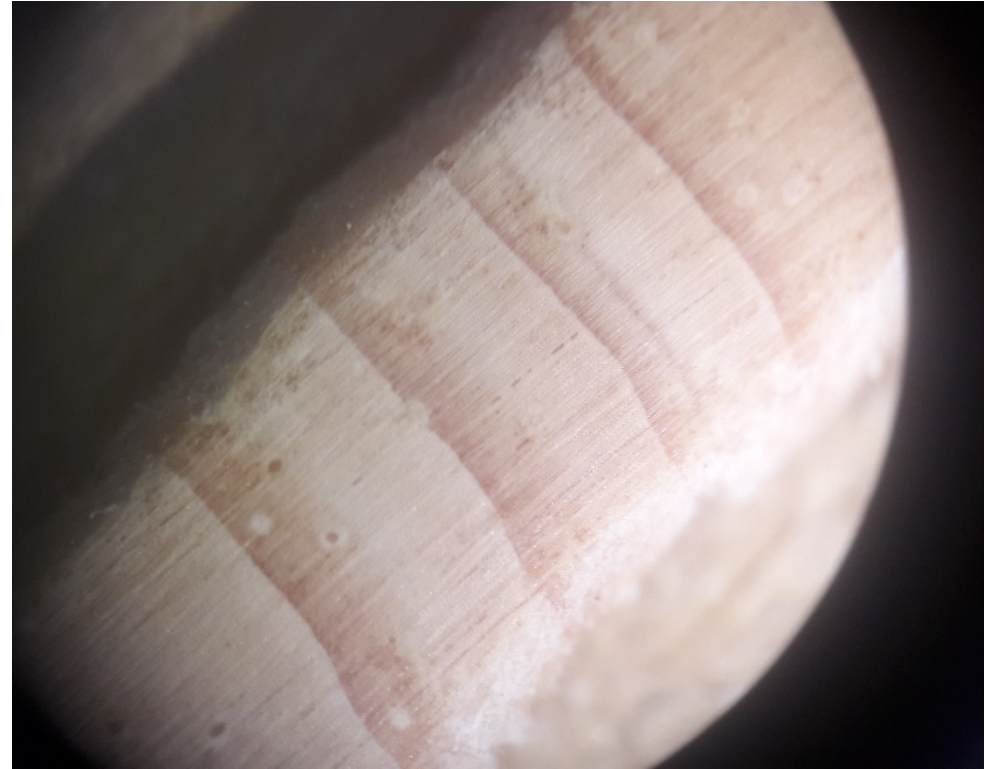


Ring features

1. Ring Width



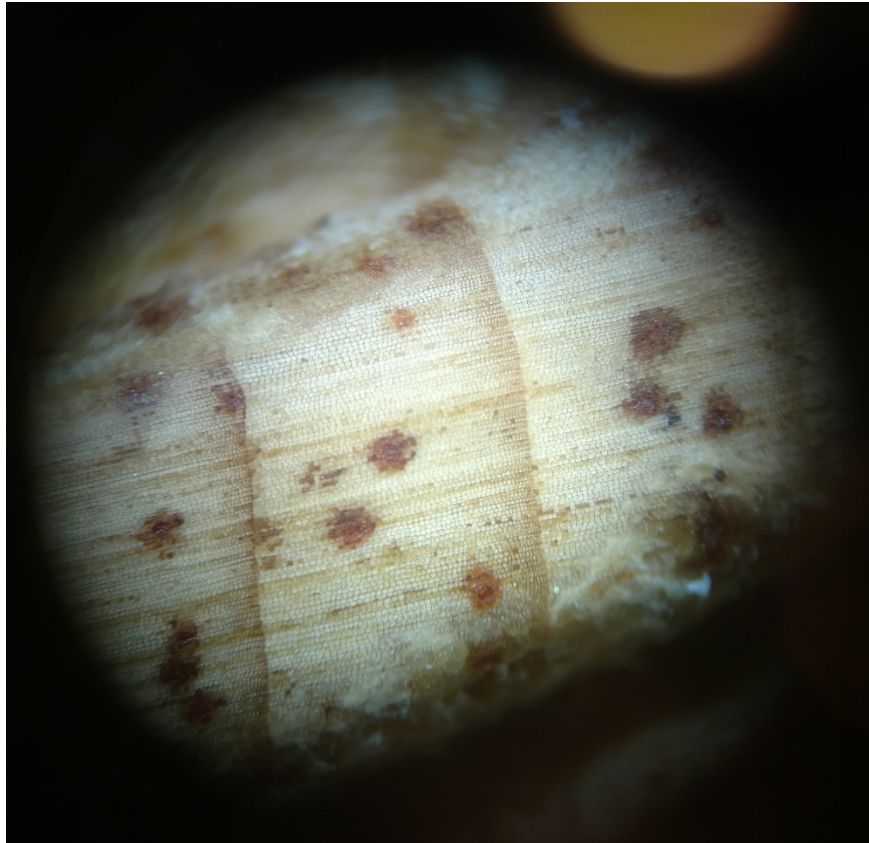
2. False rings



3. Wedge ring



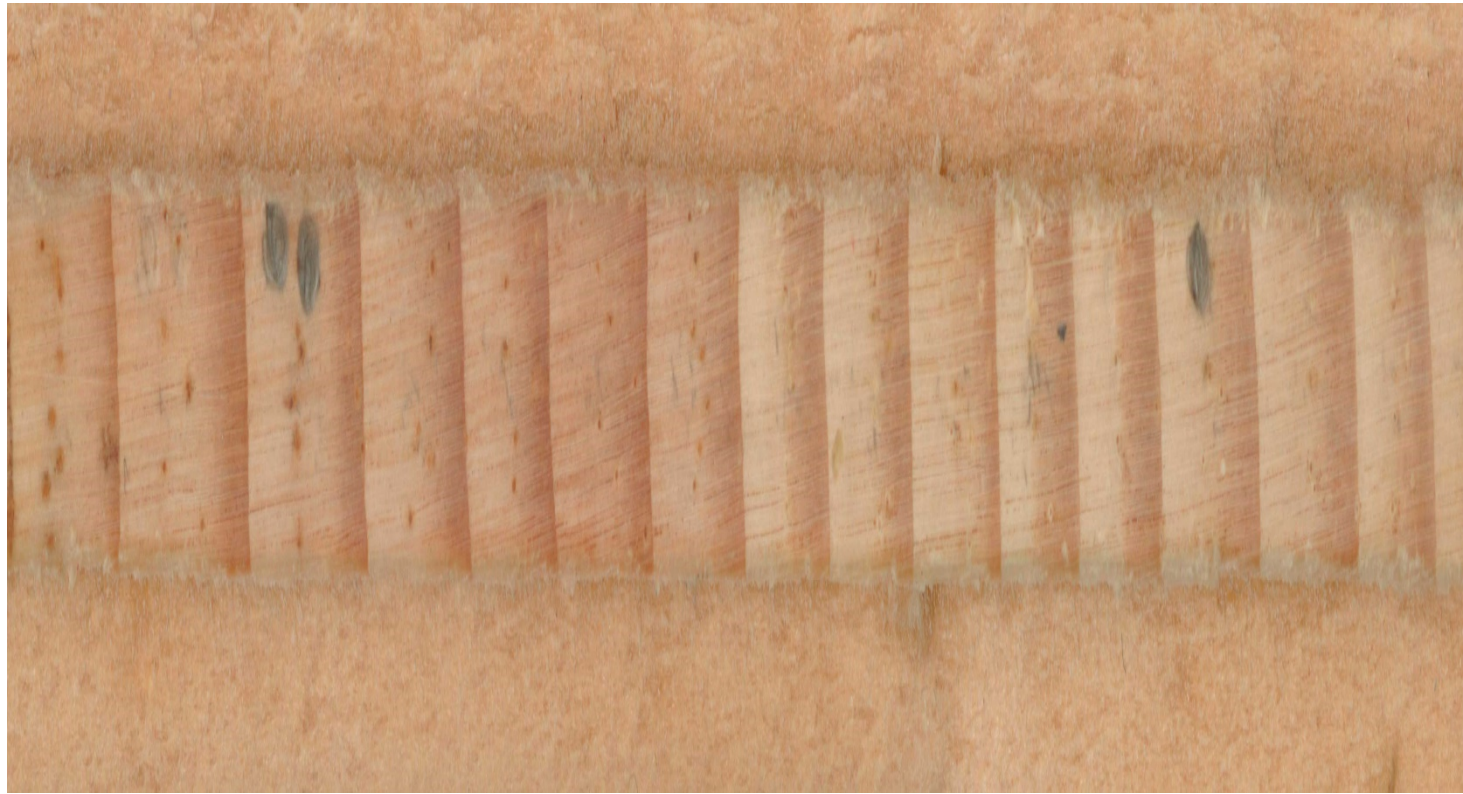
4. Resin Ducts



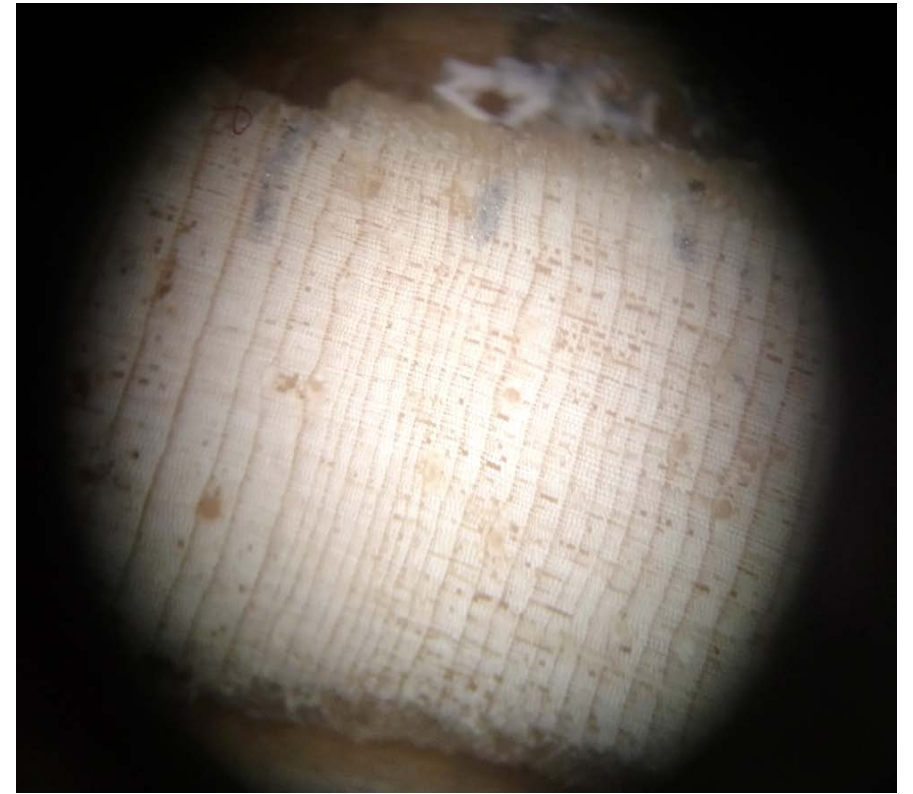
5. Sap wood and heart wood



Jakar



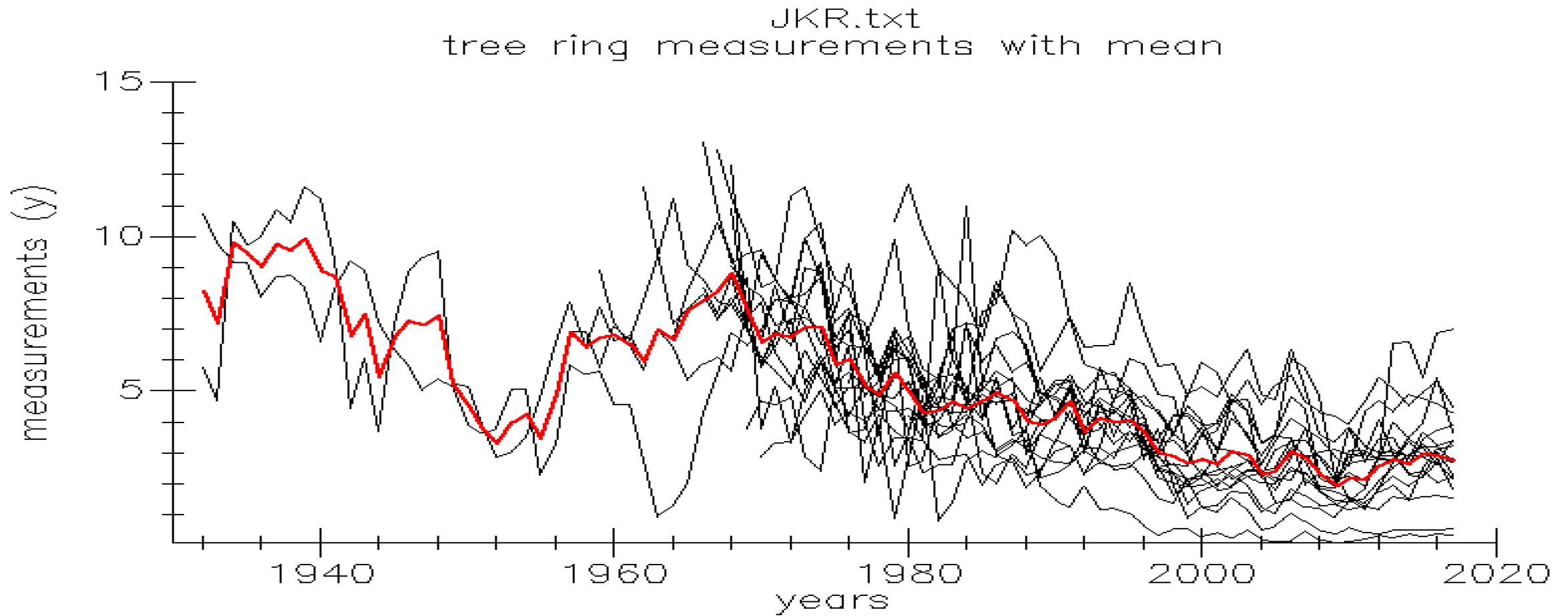
Chumey



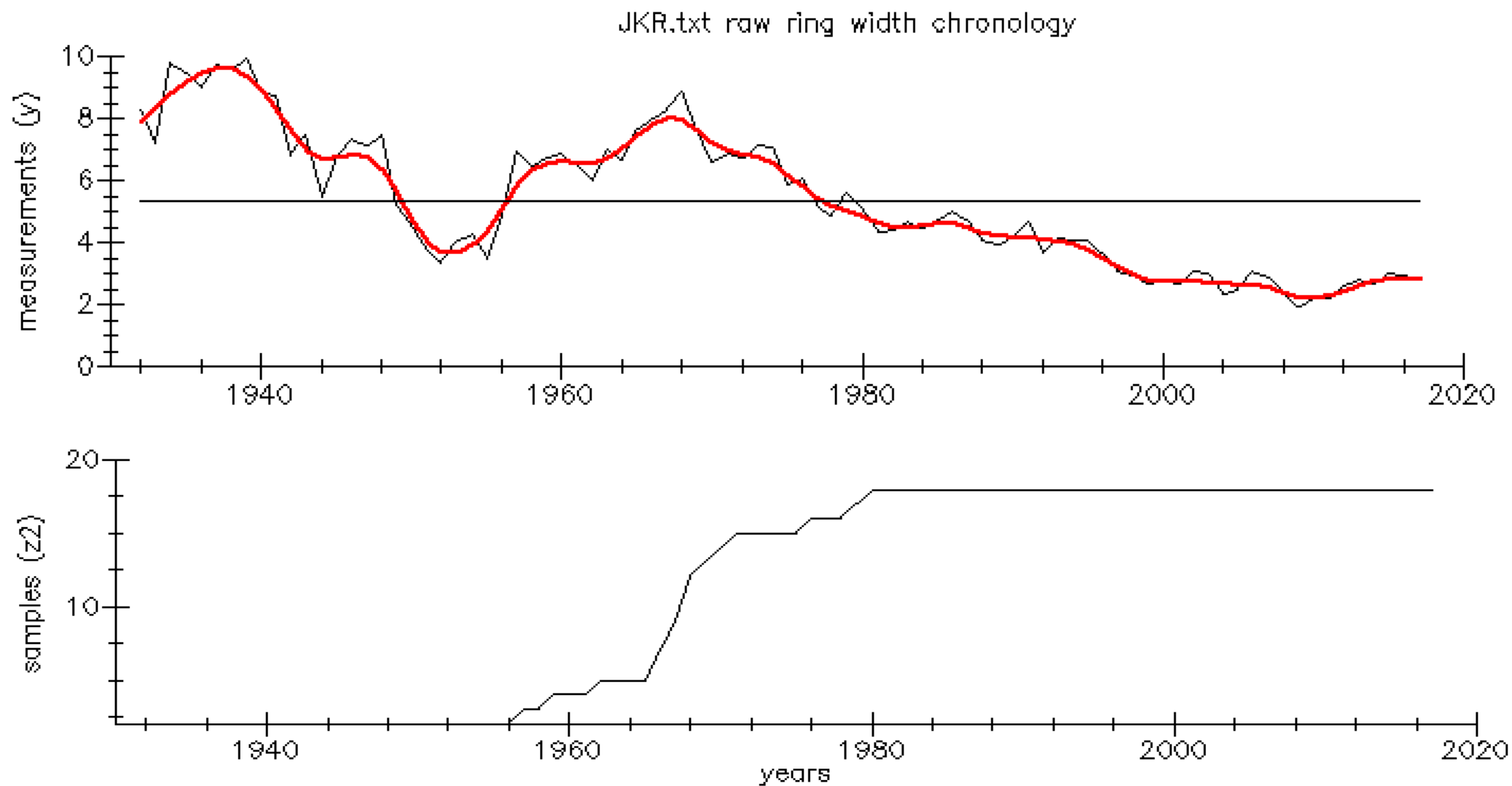
Cross Dating

Seq	Series	Interval	No. Years	No. Segmt	No. Flags	Corr with Master
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1	JKR01A	1969 2017	49	1	1	-0.125
2	JKR01B	1980 2017	38	1	1	0.128
3	JKR03A	1967 2017	51	2	2	0.302
4	JKR03B	1968 2017	50	1	0	0.594
5	JKR04A	1959 2017	59	2	0	0.587
6	JKR04B	1957 2017	61	2	1	0.201
7	JKR06A	1968 2017	50	1	0	0.422
8	JKR07A	1976 2017	42	1	1	0.285
9	JKR08A	1970 2017	48	1	0	0.329
10	JKR09A	1971 2017	47	1	0	0.539
11	JKR09B	1968 2017	50	1	1	-0.070
12	JRK11A	1979 2017	39	1	0	0.416
13	JKR12A	1966 2017	52	2	0	0.435
14	JKR14B	1966 2017	52	2	0	0.472
15	JKR15A	1967 2017	51	2	2	0.228
16	JKR15B	1962 2017	56	2	2	0.212
17	JKR17B	1932 2017	86	3	2	0.141
18	JKR18A	1932 2017	86	3	3	-0.008
Total or mean:			967	29	16	0.269

Spaghetti plot



Final chronology



CONGRATULATIONS!!!



A wooden sign is mounted on a tree trunk. The sign is rectangular with a double-line border and contains the text "LET'S CELEBRATE ENVIRONMENT DAY EVERY DAY" in a stylized, green, hand-painted font. The background shows a blurred forest with green leaves and tree branches.

LET'S CELEBRATE
ENVIRONMENT DAY
EVERY DAY