

WAIS Divide: 2010/2011

Collected core to 3,331 m

Stopped >50 m above bed to avoid connection to possible basal water

Several technical problems and weather delays had to be overcome

All core is at NICL



WAIS Divide: CONUS

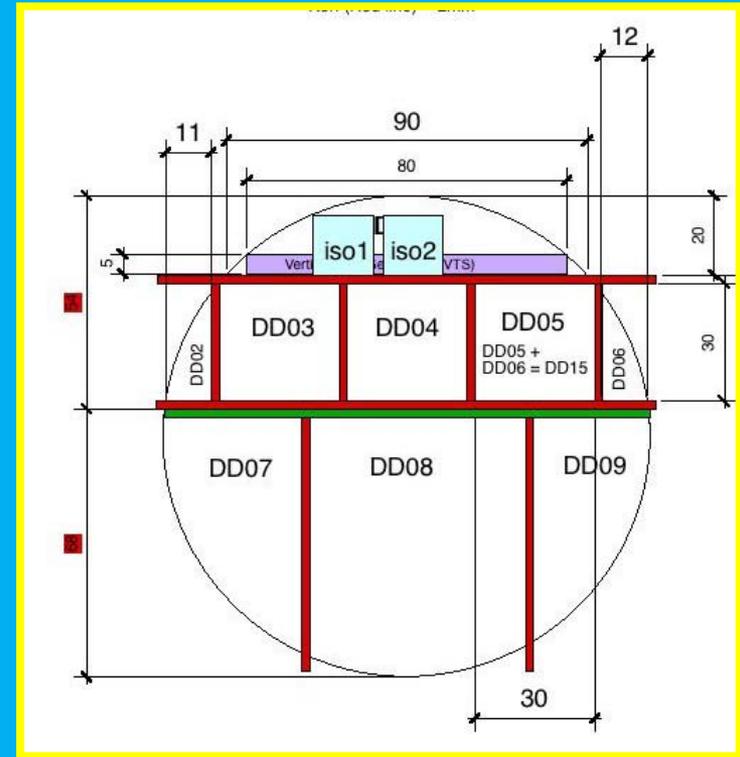
Ice to 2,500 m distributed to PIs

Will distribute all ice by this August

Labs have started work on ice

Outreach:

Front page of Wall Street Journal,
NOVA

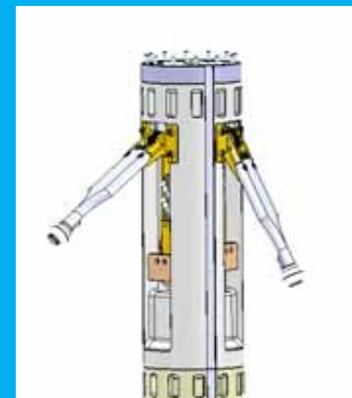
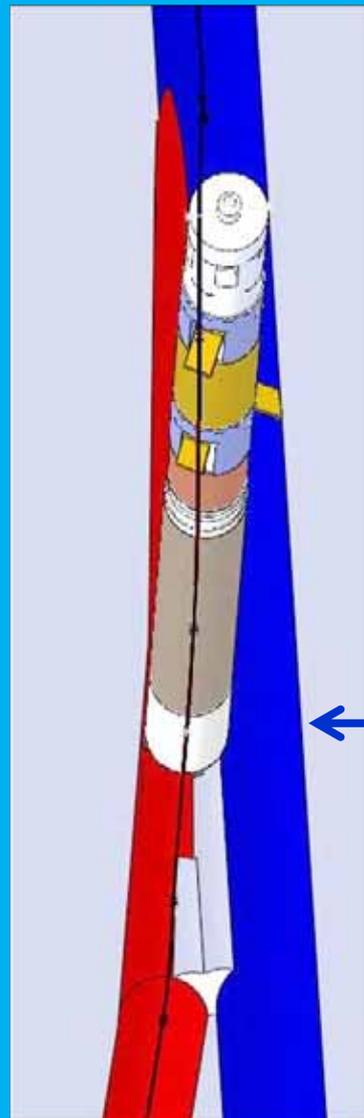


WAIS Divide: 2011/2012

- 1) Borehole geophysics
- 2) Deepen main hole ~80 m if geophysics determines it is safe
- 3) Test replicate coring, collection of additional core from zones of special interest

Science and drilling staffs will be about the same size, but less core will be recovered, and there will be more science groups.

Replicate core hole



Main core hole



WAIS Divide: 2012+

2012/2013 season

Replicate coring and a bit of borehole geophysics

Arch is good for the 2012/2013 season, and maybe more

2013/2014 & 2014/2015

Borehole geophysics

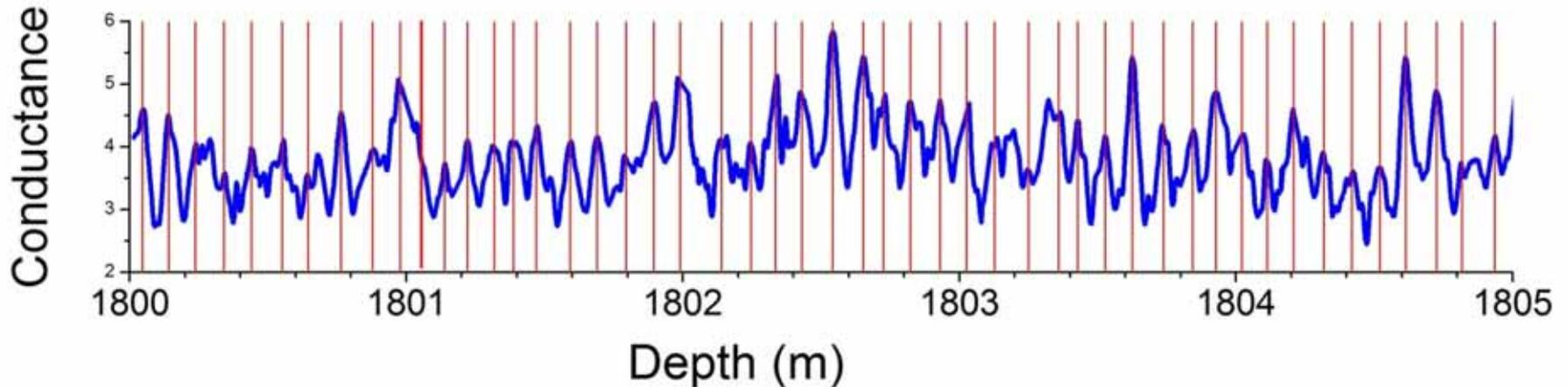
Maybe drill into bed? (Requires frozen bed and successful proposal.)

Remove arch

Maybe traverse materials to MCM?



WAIS Divide: Science Highlight



Well defined annual layers permits dating to $\sim 1\%$.

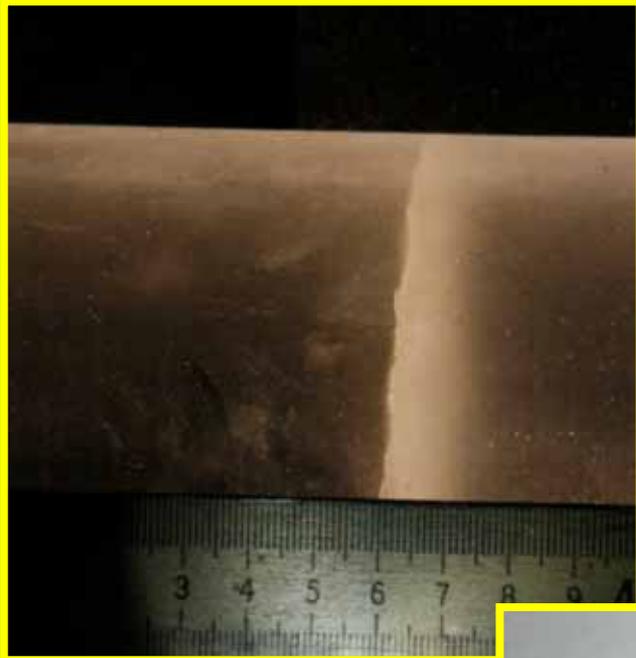
11,582 years at depth of 2,549 m.

Expect annual layers to be well resolved to 40,000 years.

Age-depth relationship is what has been expected,
so main science goals should be achieved.

The bed might be frozen, should we drill into the bed?

WAIS Divide: Science Highlight



Mount Tahake?

Depth: 1,586 m

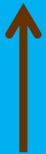
Age: 8,161 years



???

Depth: 3,030 m

Age: ~44,000 years



Clumpy tephra,
deposited during summer?

Mount Berlin?

Depth: 1,766 m

Age: 9,587 years



Dating by layer
Counting $\pm 1\%$