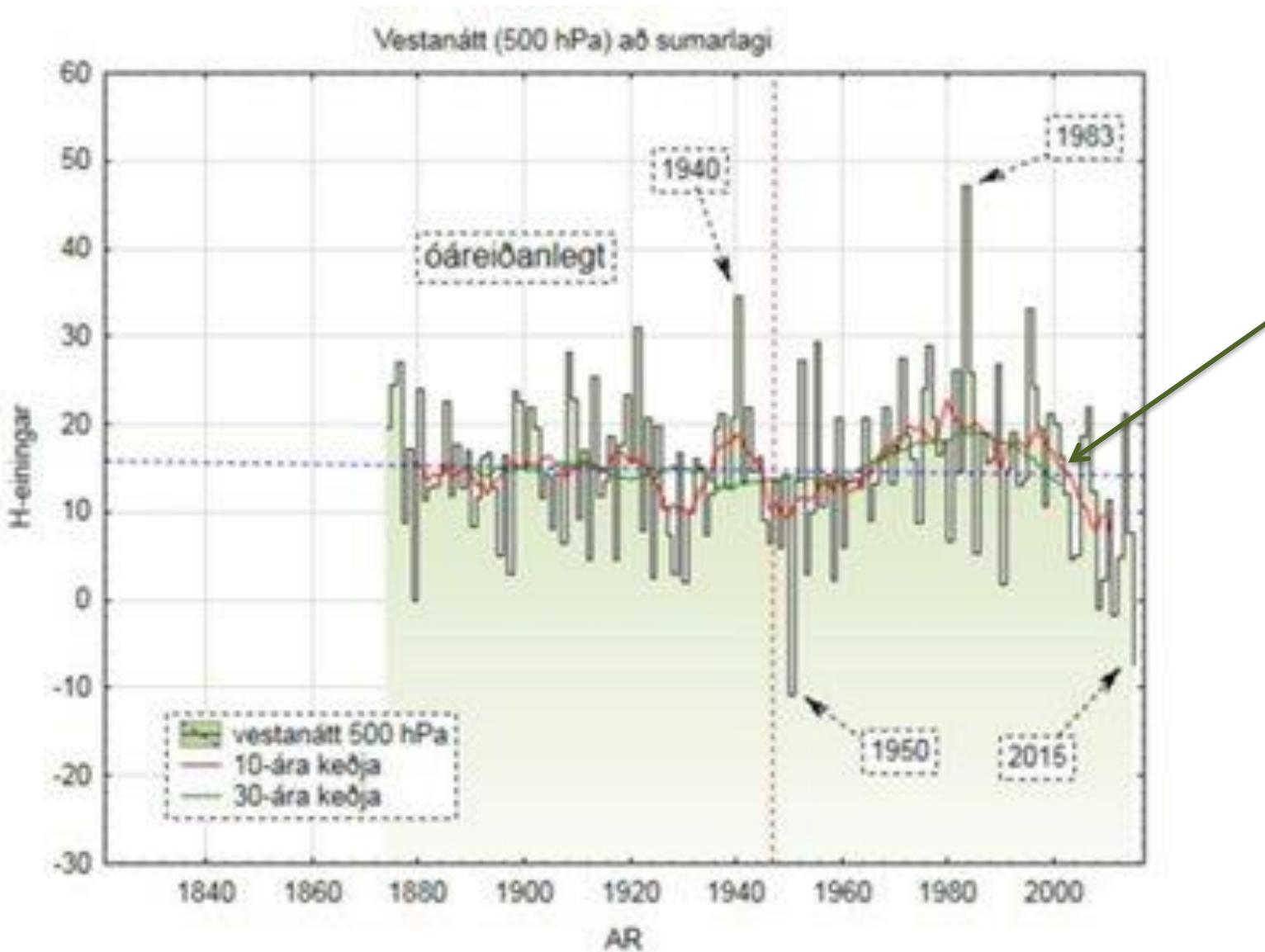


Sumar breytingar frá aldamótum

Einar Sveinbjörnsson
Sveinn Gauti Einarsson
Sumarþing Veðurfræðifélagsins,
14. júní. 2016

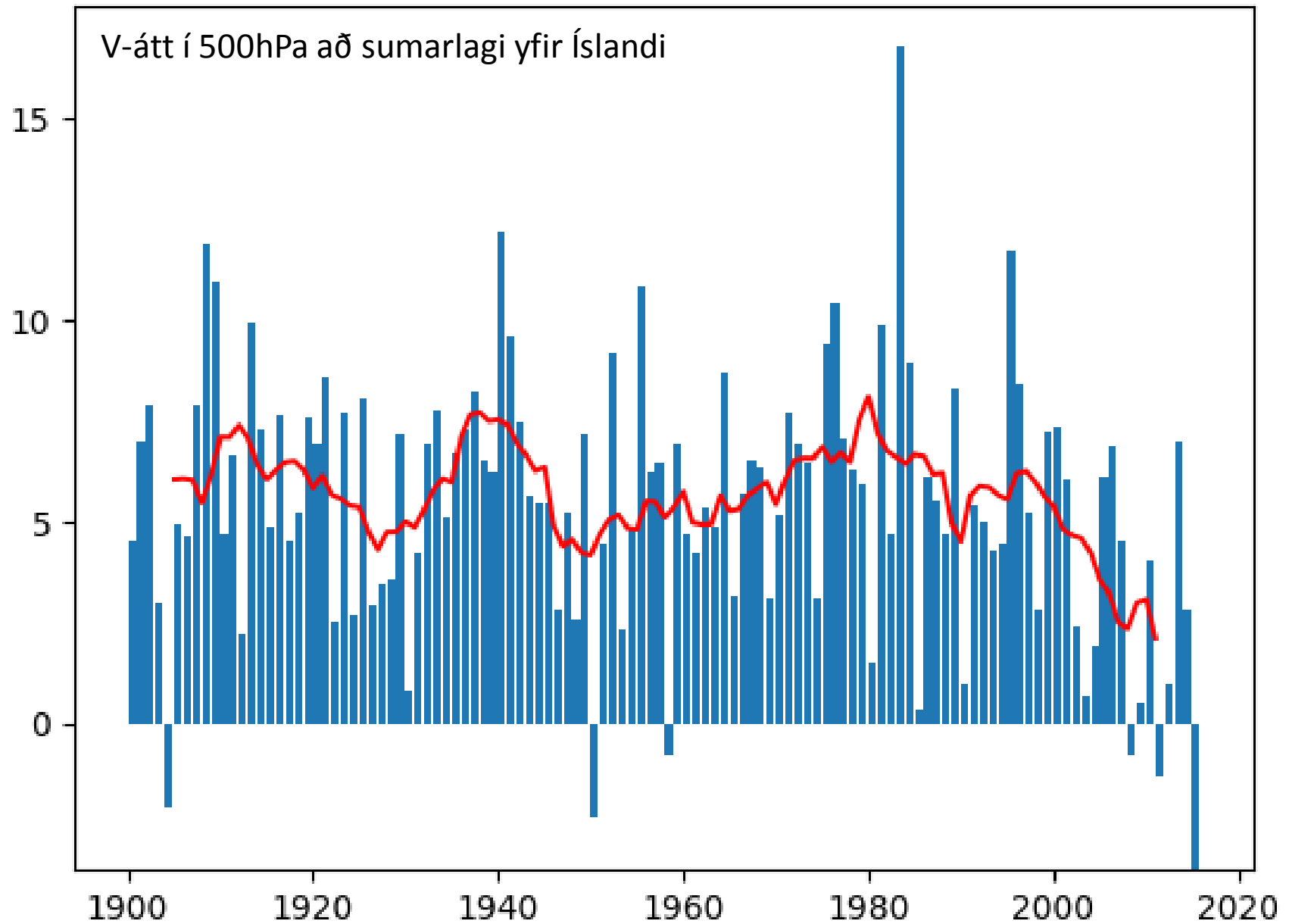


Mynd Trausta Jónssonar 26. maí 2016

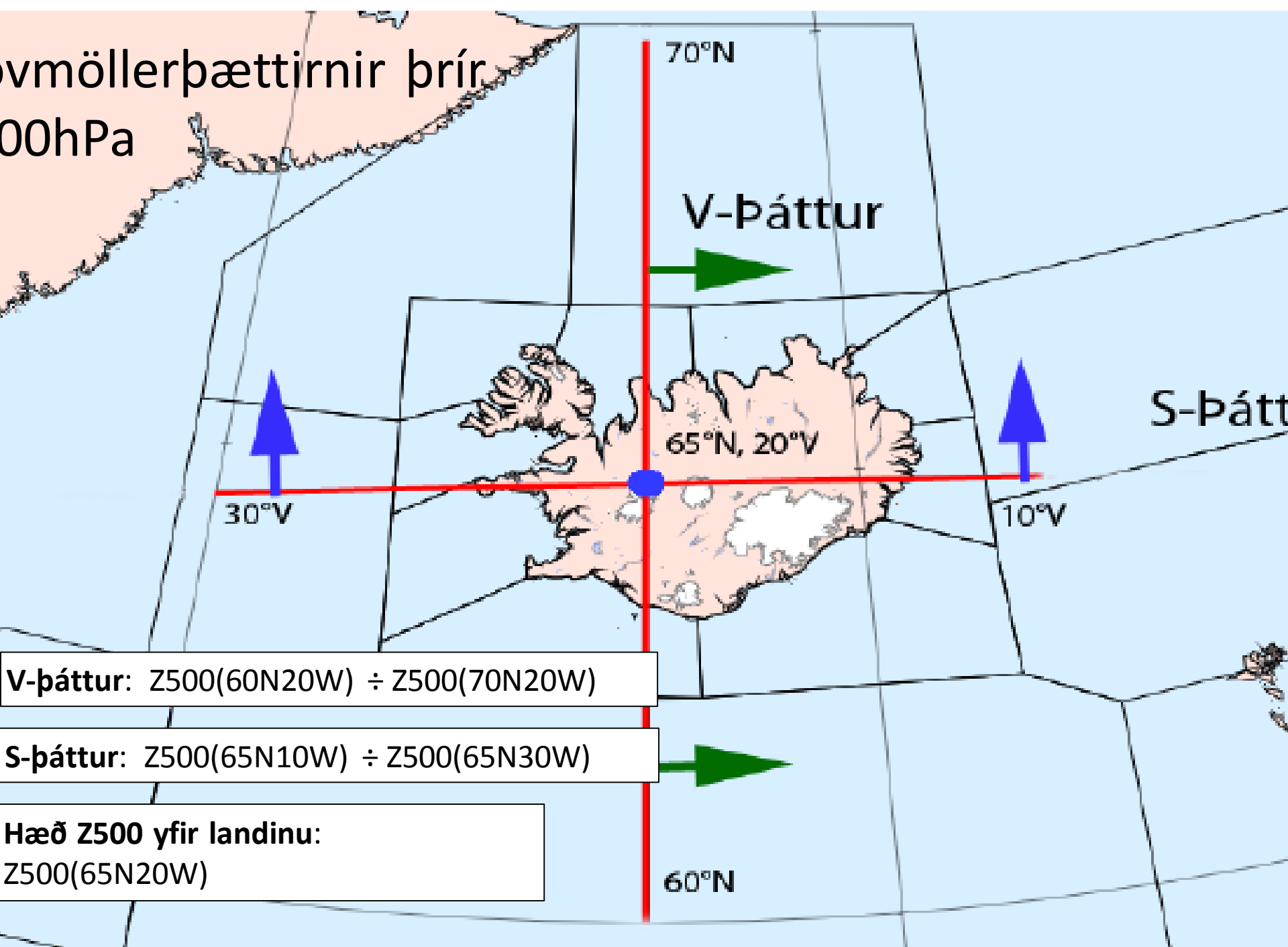


NCEP v2 1871-2008. ERA-interim og ec op. 2009 – 2015

Svipuð mynd en úr 20C endurgr. ECMWF



Þömmöllerþættirnir þrír
1000hPa



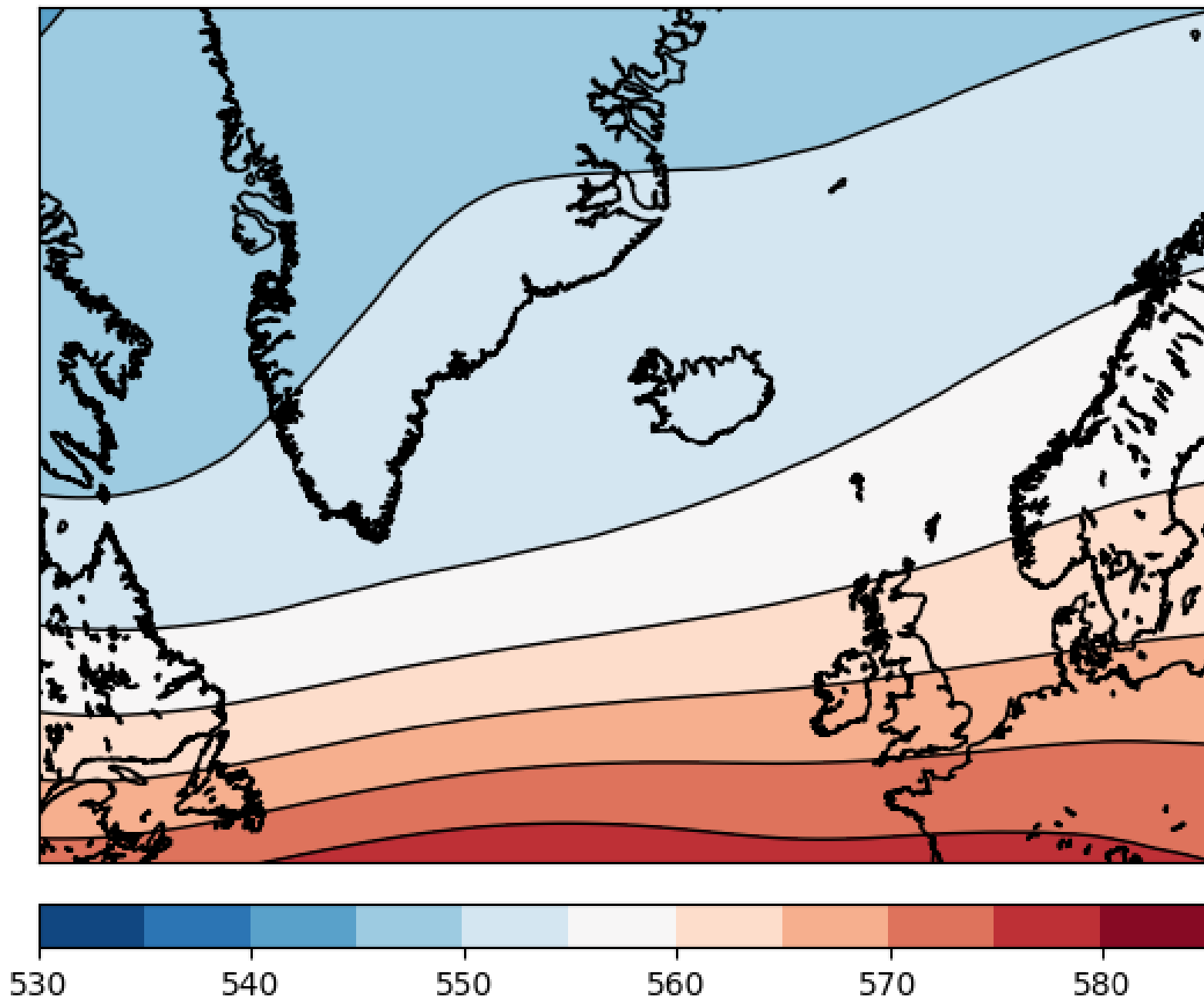
V-þáttur: $Z500(60N20W) \div Z500(70N20W)$

S-þáttur: $Z500(65N10W) \div Z500(65N30W)$

Hæð Z500 yfir landinu:
 $Z500(65N20W)$

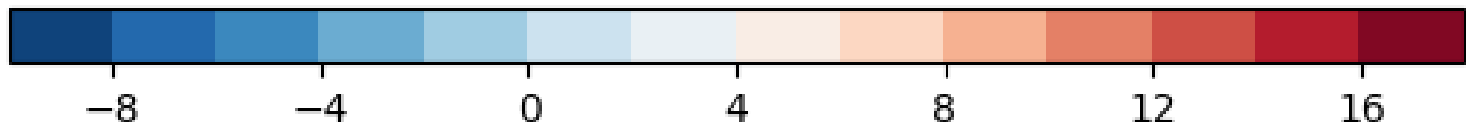
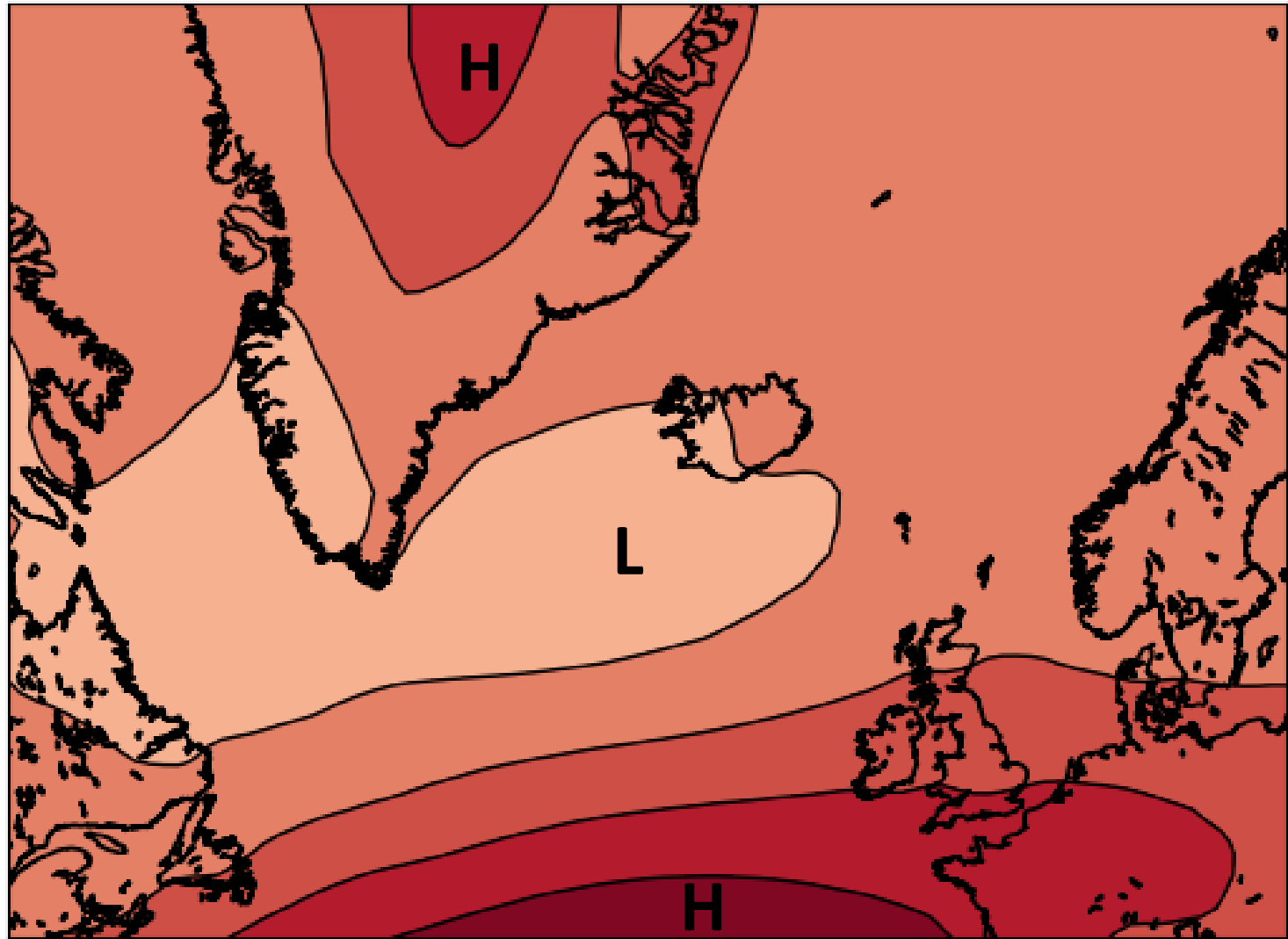
Meðalástand z500 hPa í júní-ágúst

z500

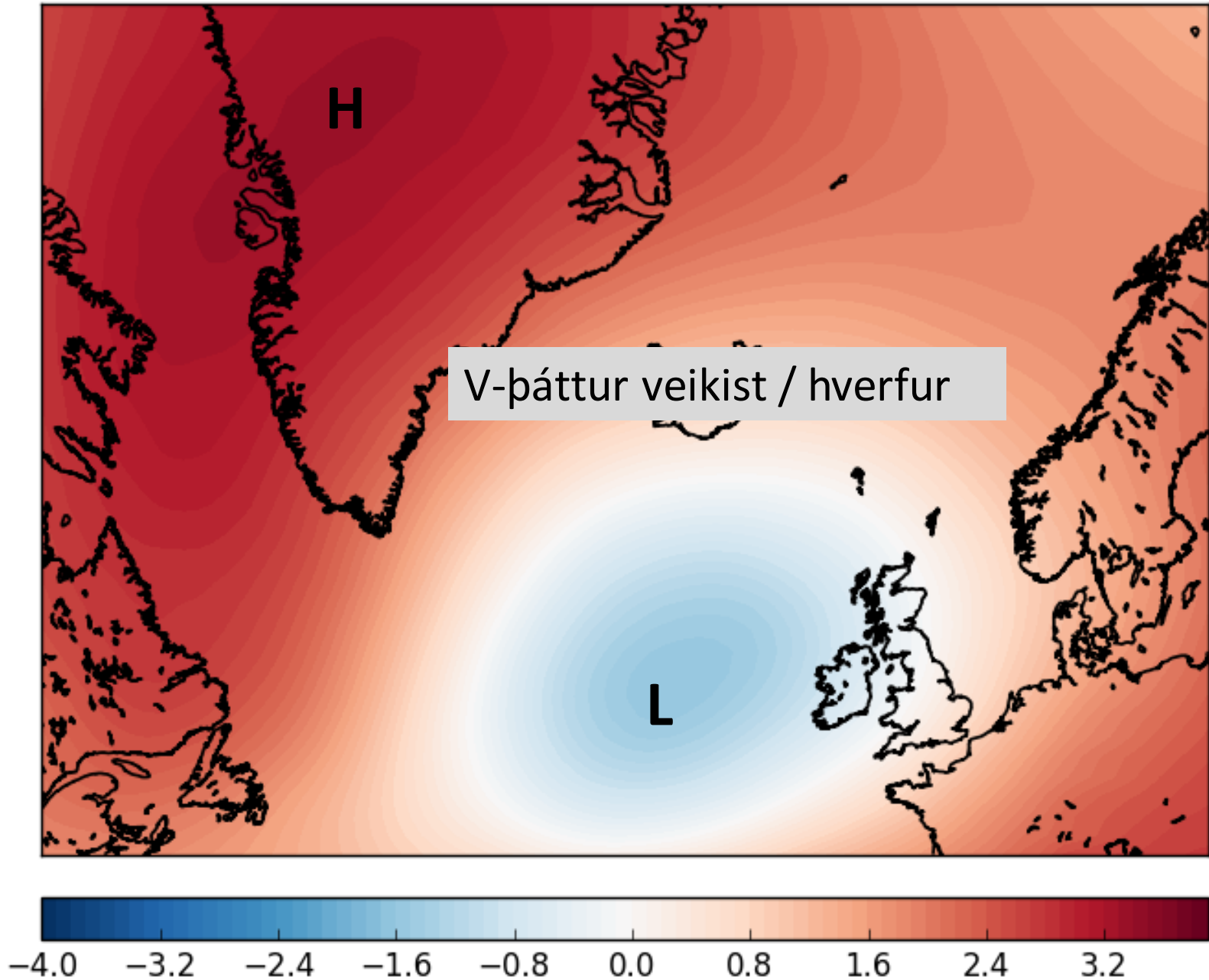


Meðalástand z1000 hPa í júní-ágúst

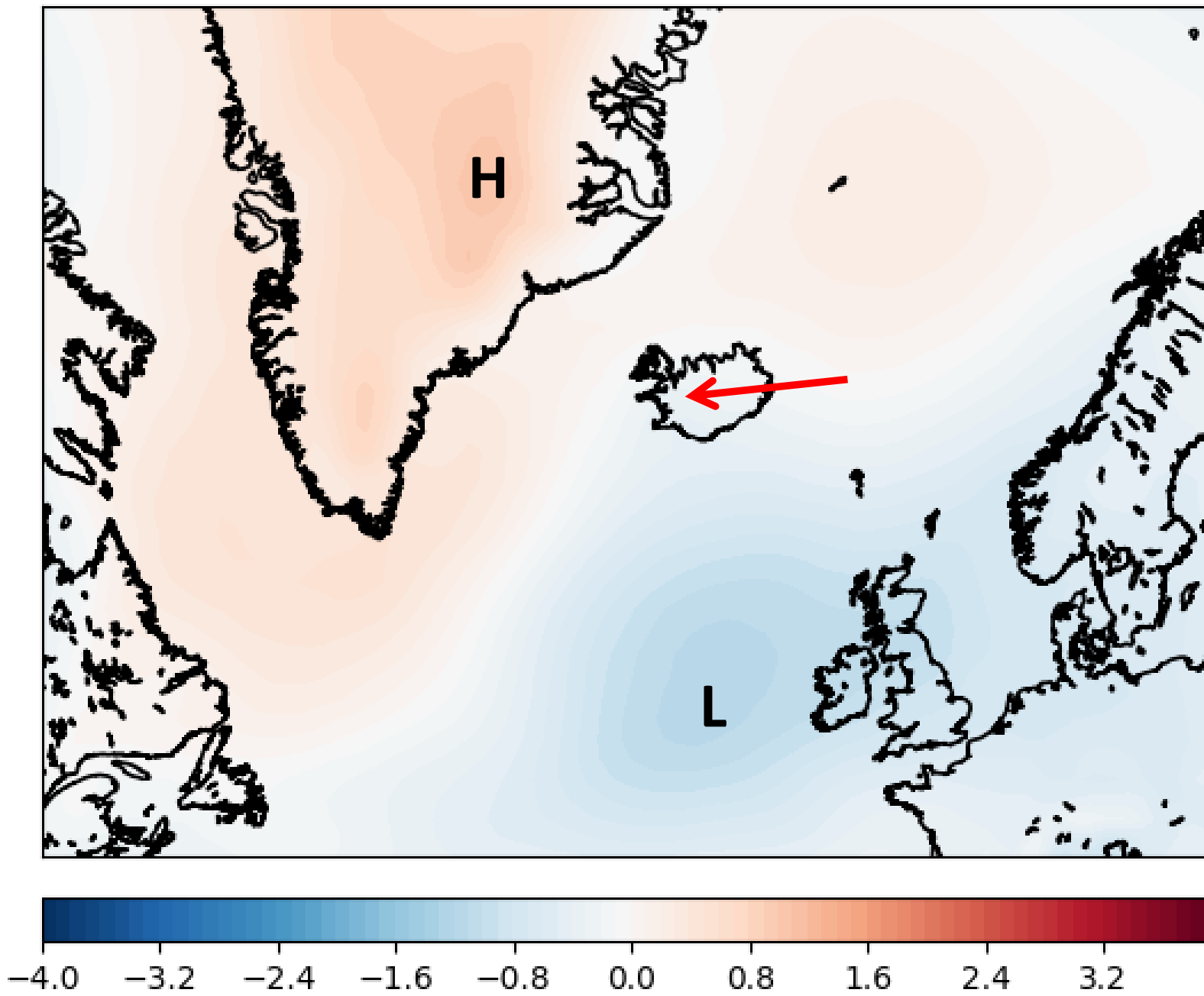
z1000



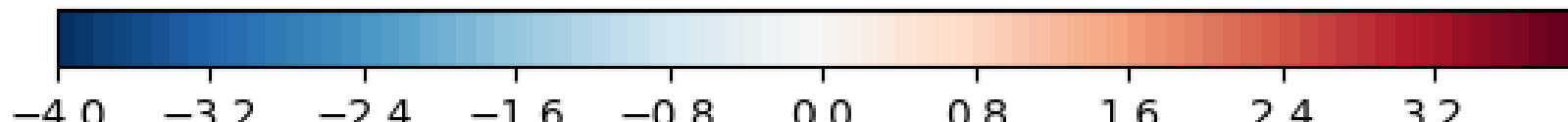
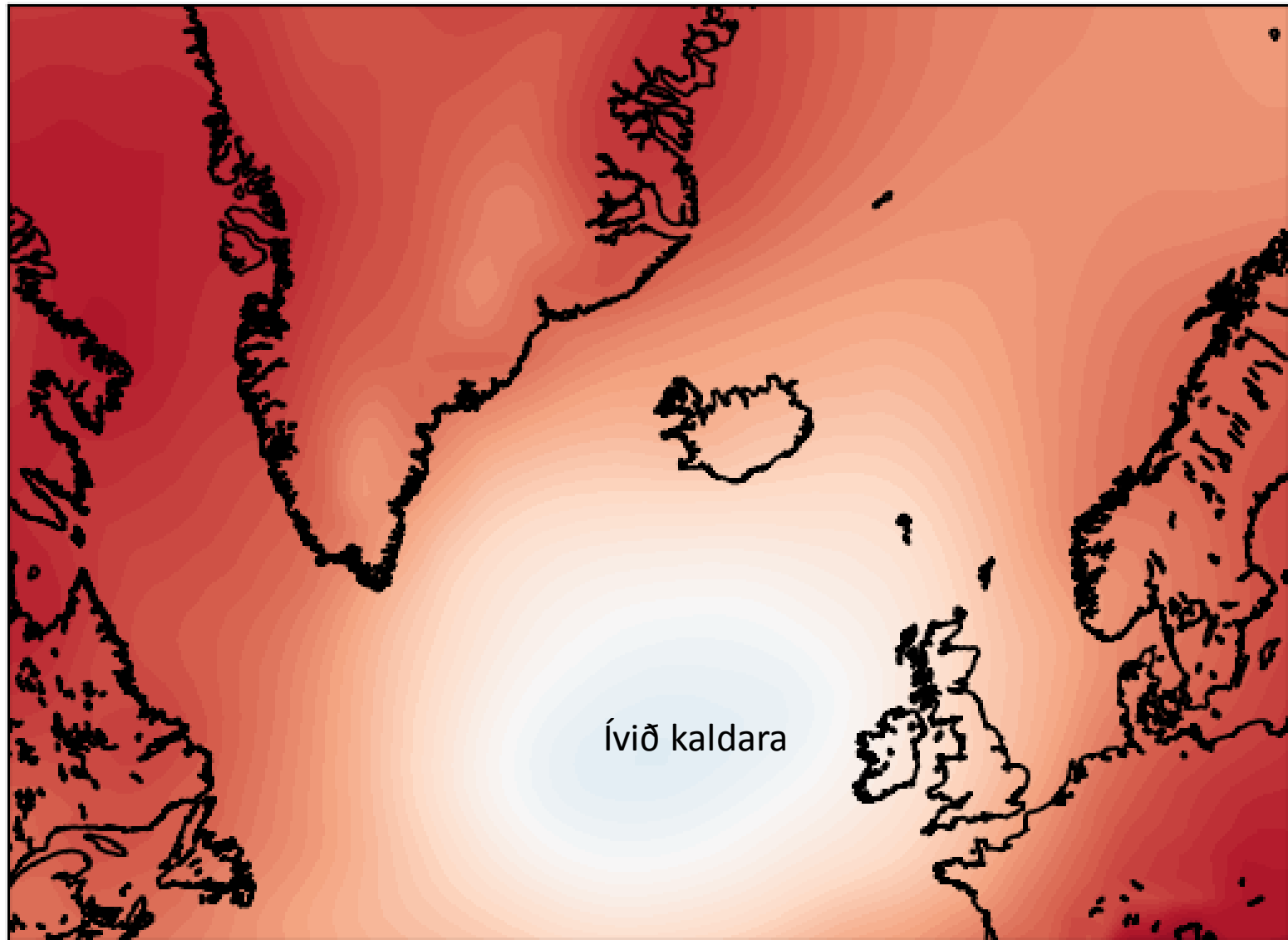
500 hPa, jún-ág. Frávik 2001-2015 (frá 1901-2015 =115 ár)



1000 hPa, jún-ág. Frávik 2001-2015 (frá 20. aldar endurgr. ??-??)



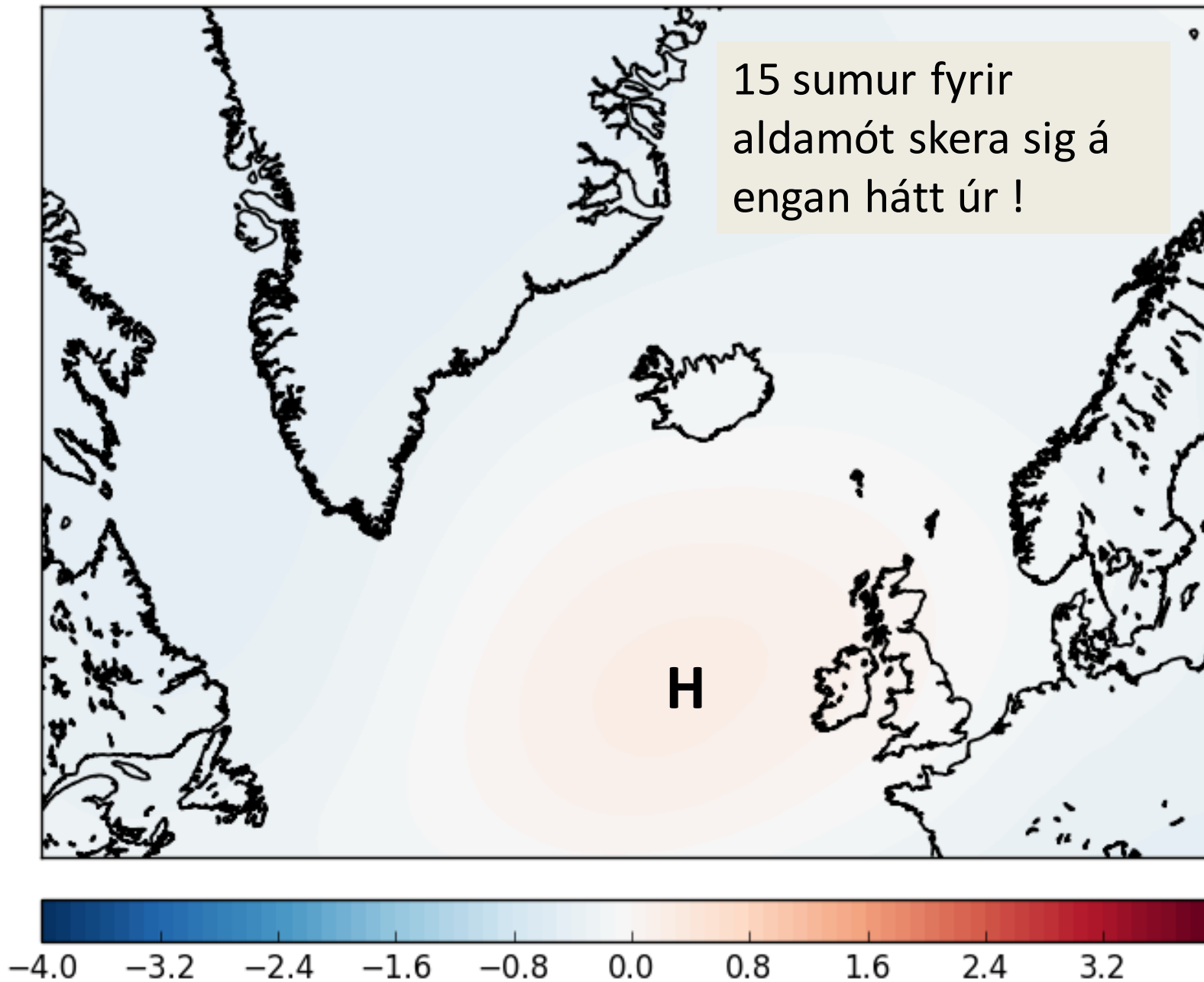
Þykkt 500/1000 hPa, jún-ág. Frávik 2001-2015



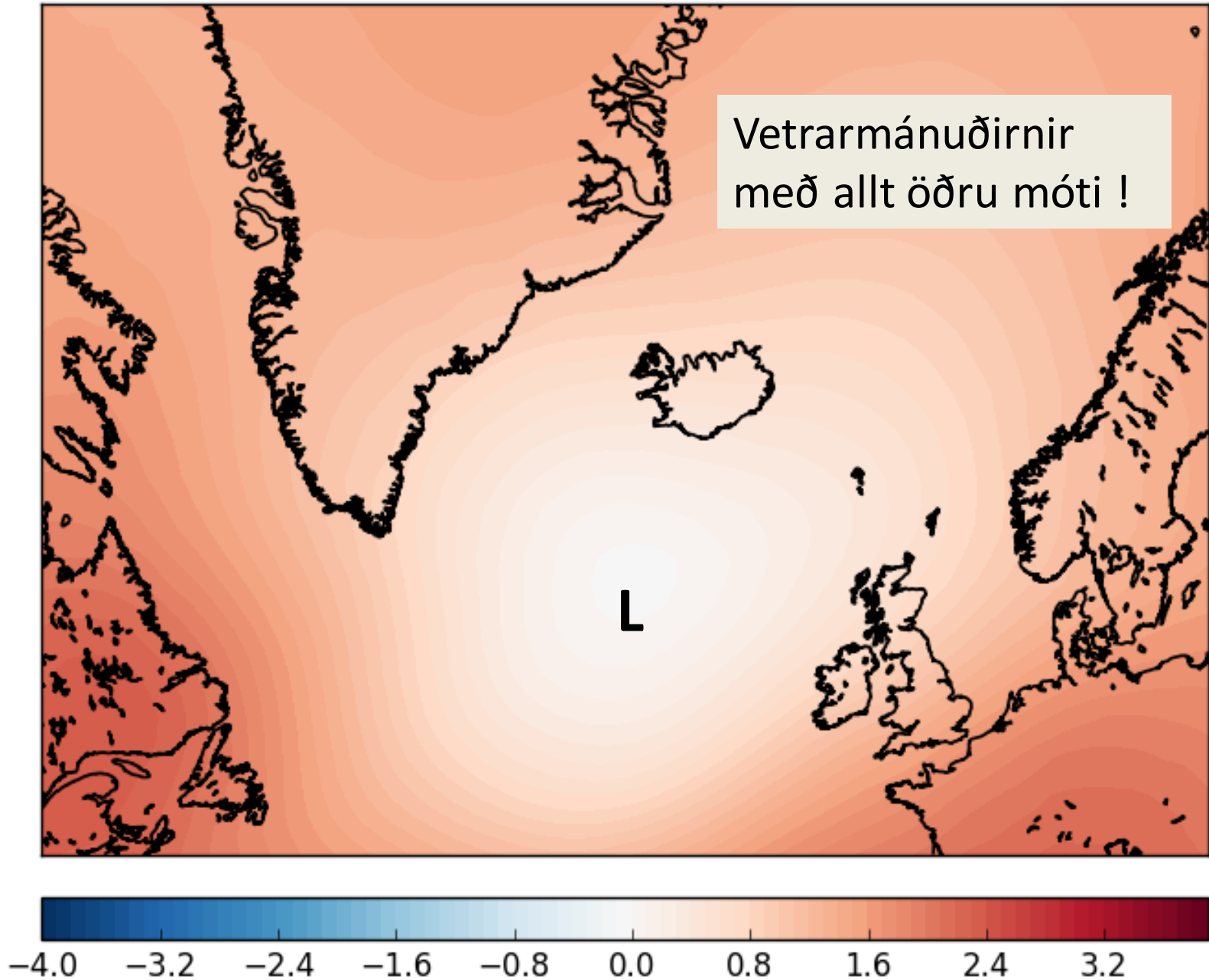
500hPa, jún-ág.

Frávik 1985-2000

15 sumur fyrir
aldamót skera sig á
engan hátt úr !



500hPa, jan-mars. Frávik 2001-2015



Heldur minni tíðni SV-áttar

SV: 36%

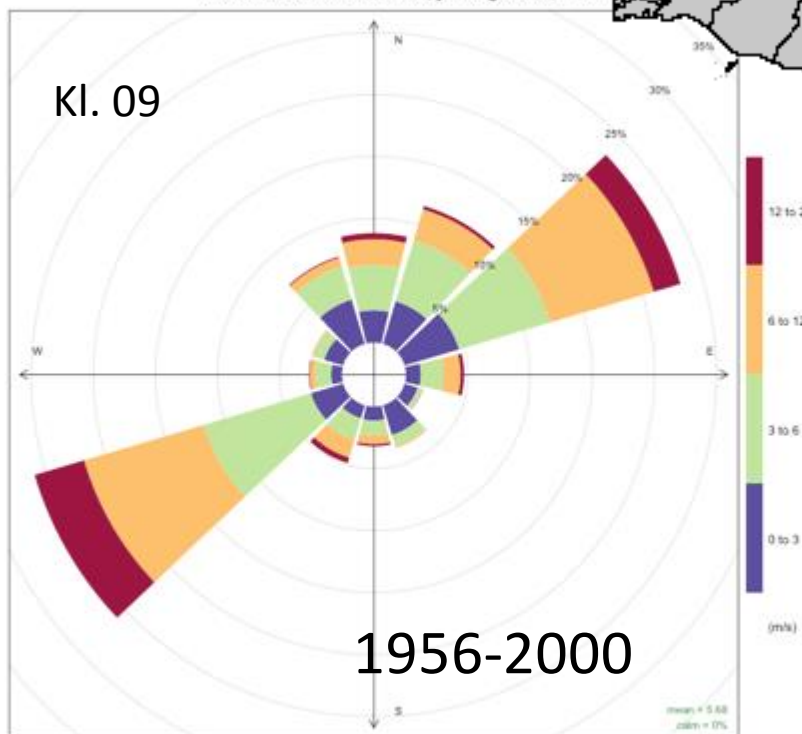
NA: 35%



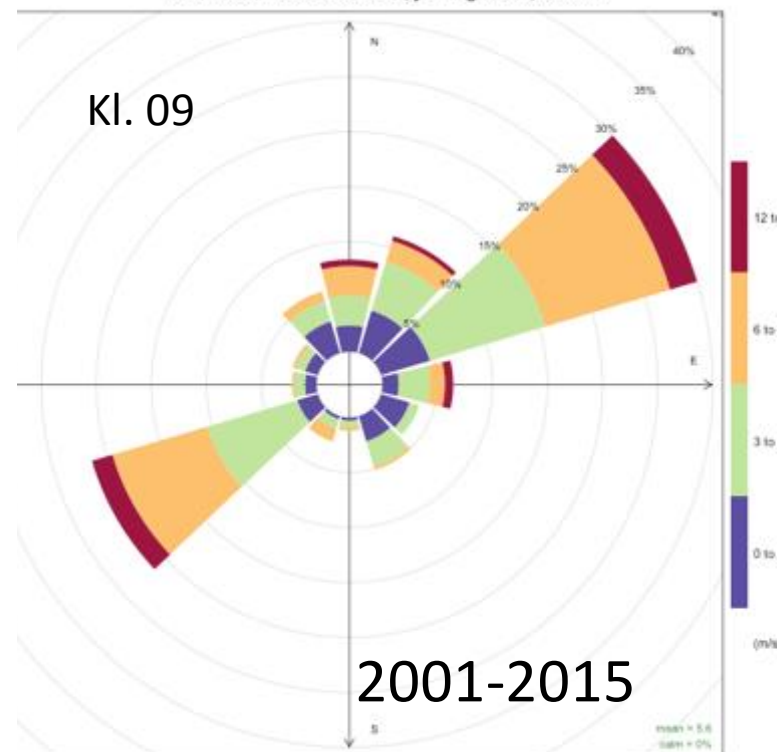
SV: 26%

NA: 42%

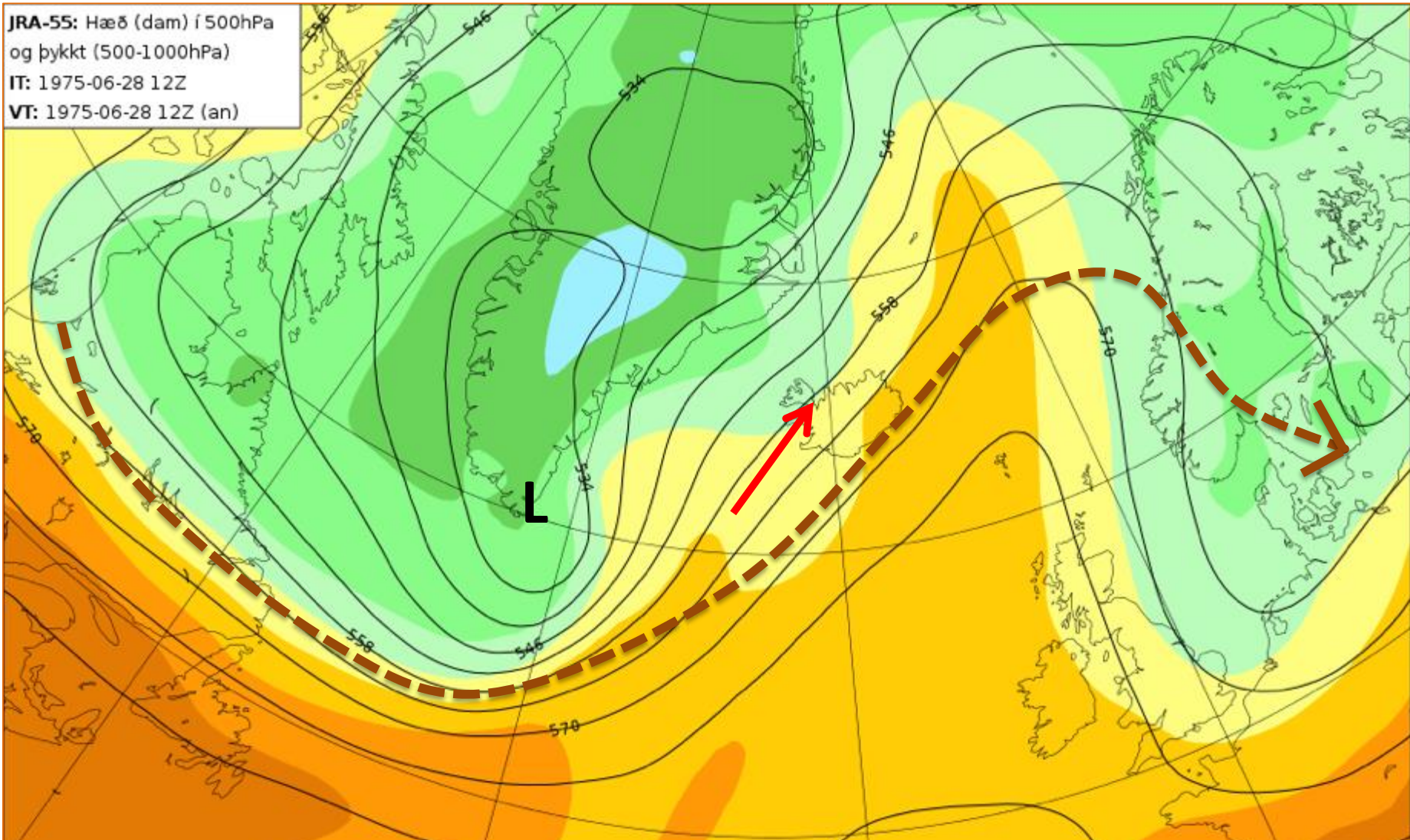
Vindrós: Hraun 1956-2000, júní-ág kl. 09, f>2 m/s



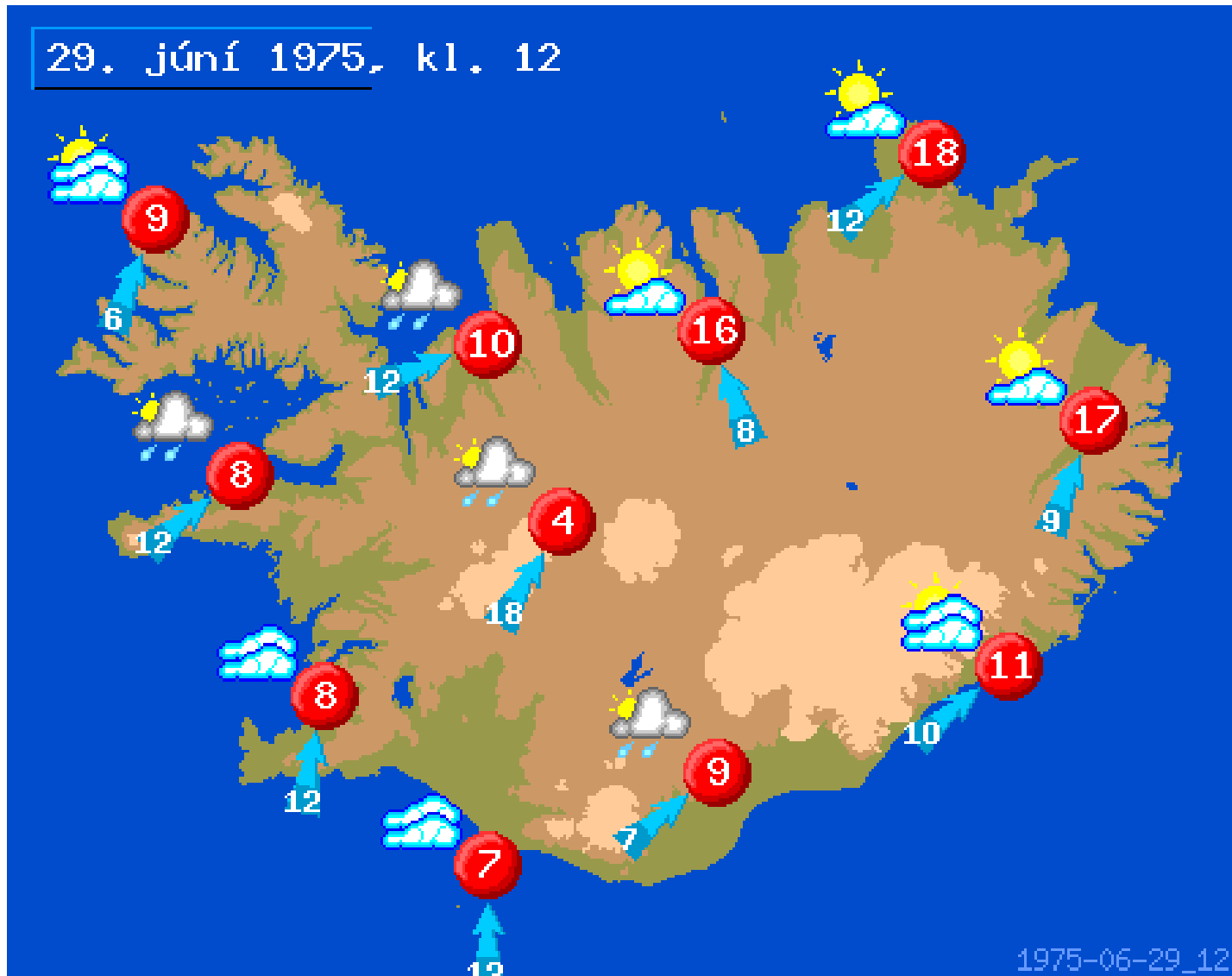
Vindrós: Hraun 2001-2015, júní-ág kl. 09, f>2 m/s



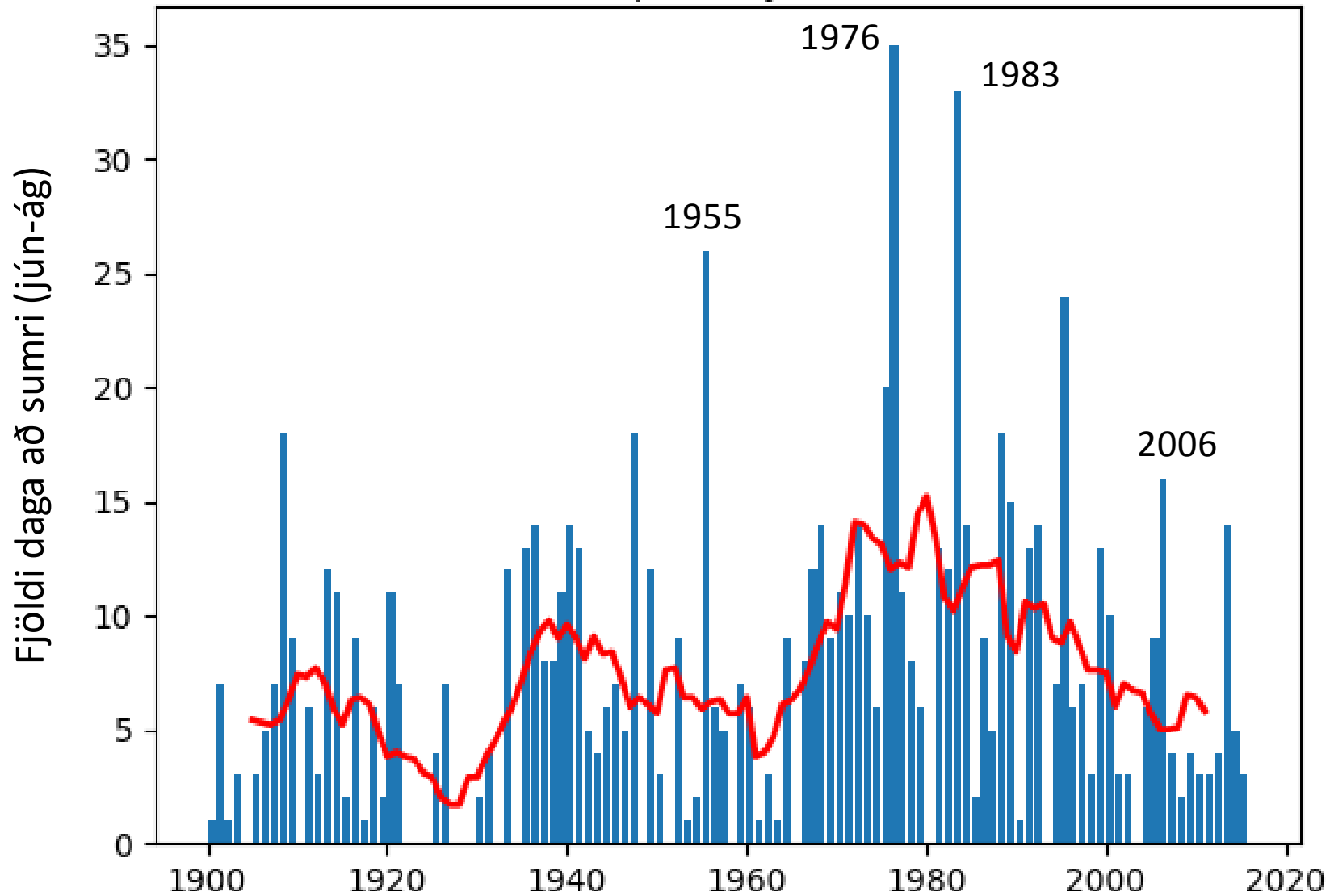
Dæmigerður SV-áttar dagur að sumri þegar er strekkingur.



29. júní 1975



SV-þáttur yfir 25





POTS DAM INSTITUTE FOR CLIMATE IMPACT RESEARCH

<https://mail.google.com/mail/u/0/#search/rahmstorf%40ozean-klima.de/154f447fb5fc412c?projector=1>



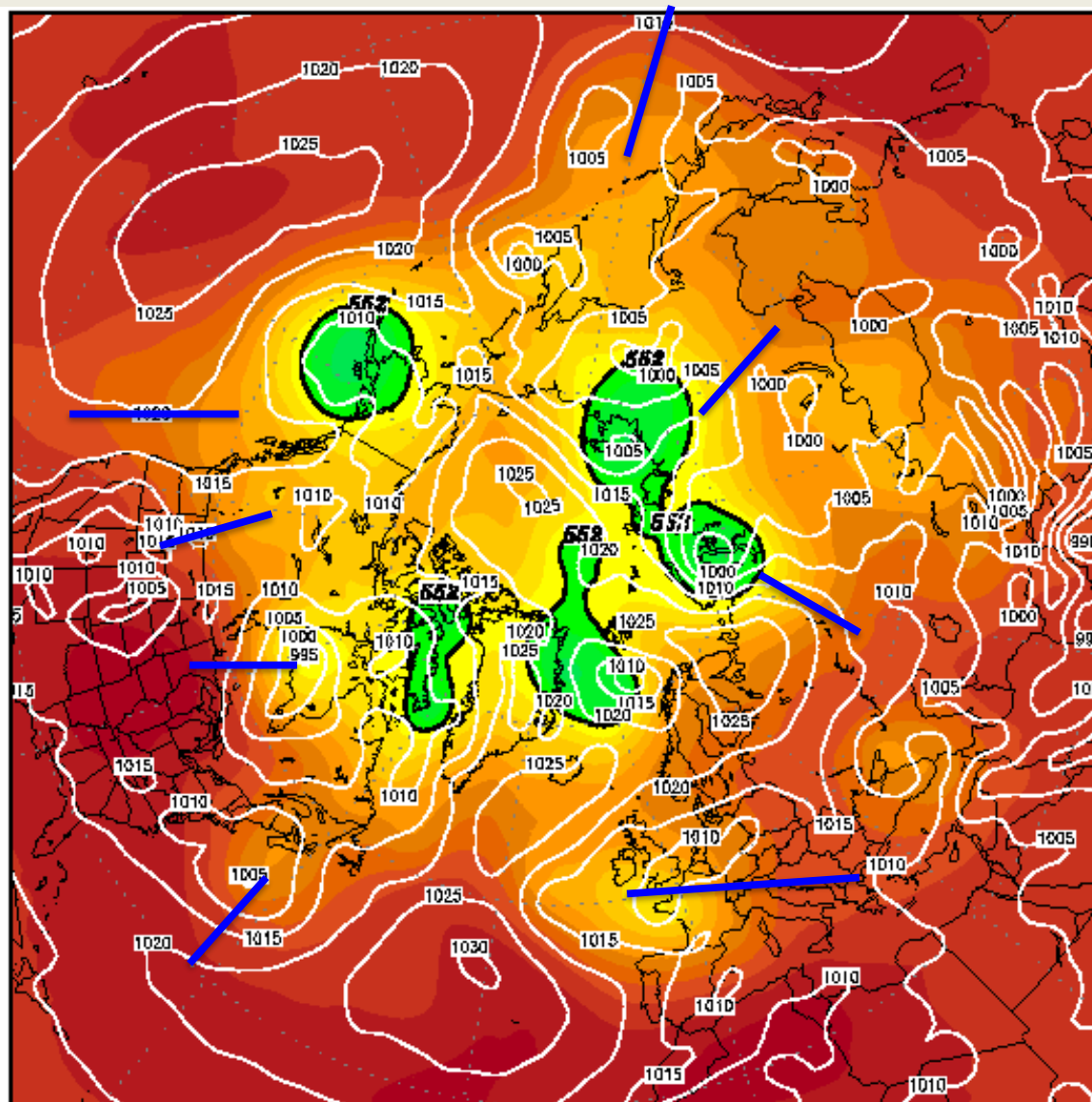
Bylgjutala, $k=5$ eða 6
“eðlilegt ástand” á sumrin)

$k=7,8$ eða 9 algengari frá
aldamótum.

Quasi-resonant circulation regimes and hemispheric synchronization of extreme weather in boreal summer

Tíðni daga með háum bylgjutölum hefur aukist undinfarin sumur

k=8



6. júlí 2012



Minni hafísútbreiðsla í sumarlok nú

September 1979



Kælimáttur eða
“ískápsáhrif”.

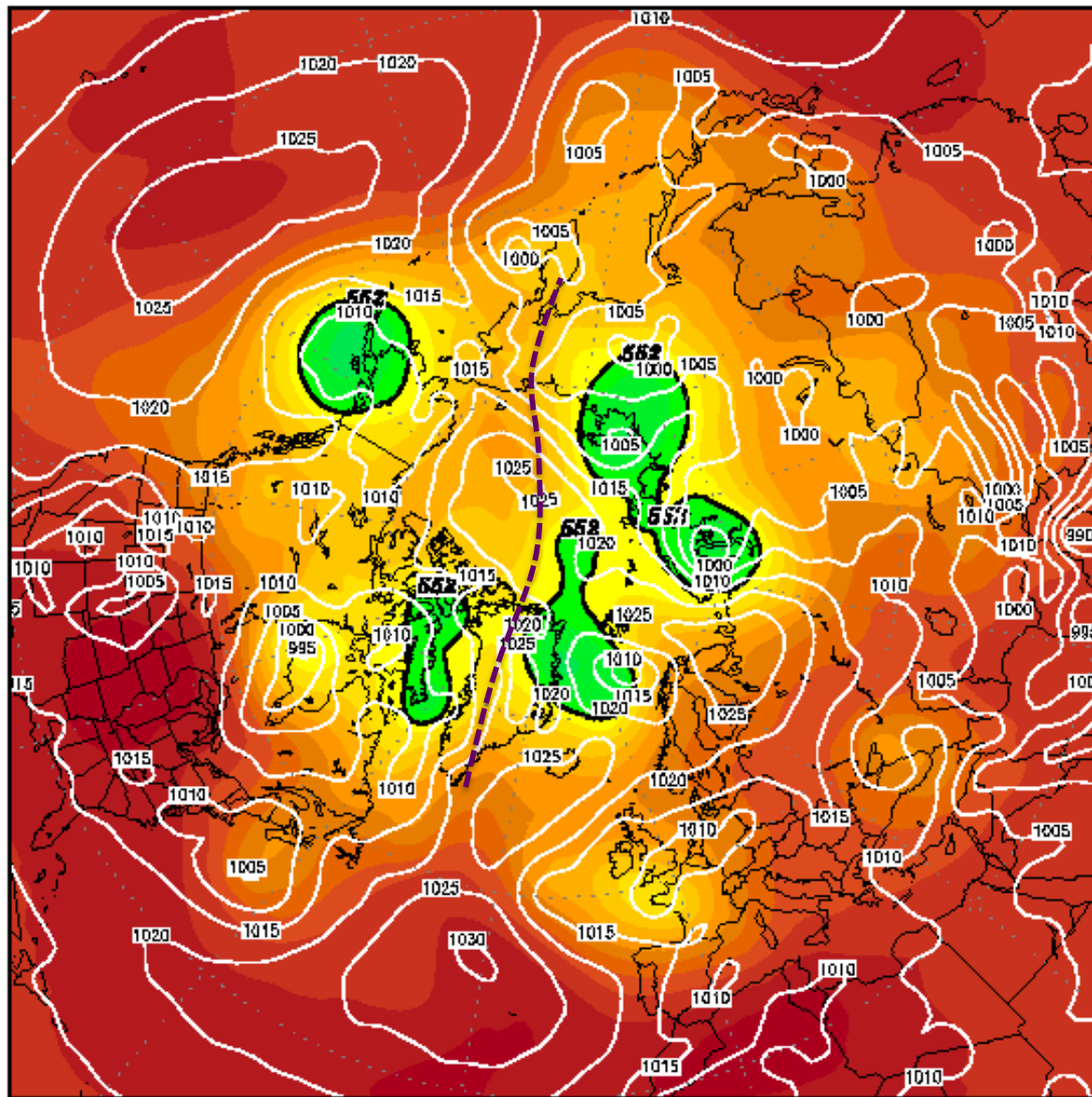
N-Íshafsins er minni í
júní til september en
áður.

September 2007



500 hPa Geopot. (gpm) und Bodendruck (hPa)

6. júlí 2012



Daten: GFS-Modell des amerikanischen Wetterdienstes
(C) Wetterzentrale
www.wetterzentrale.de

Resonance - samsveiflun

Rossby waves and extreme weather

