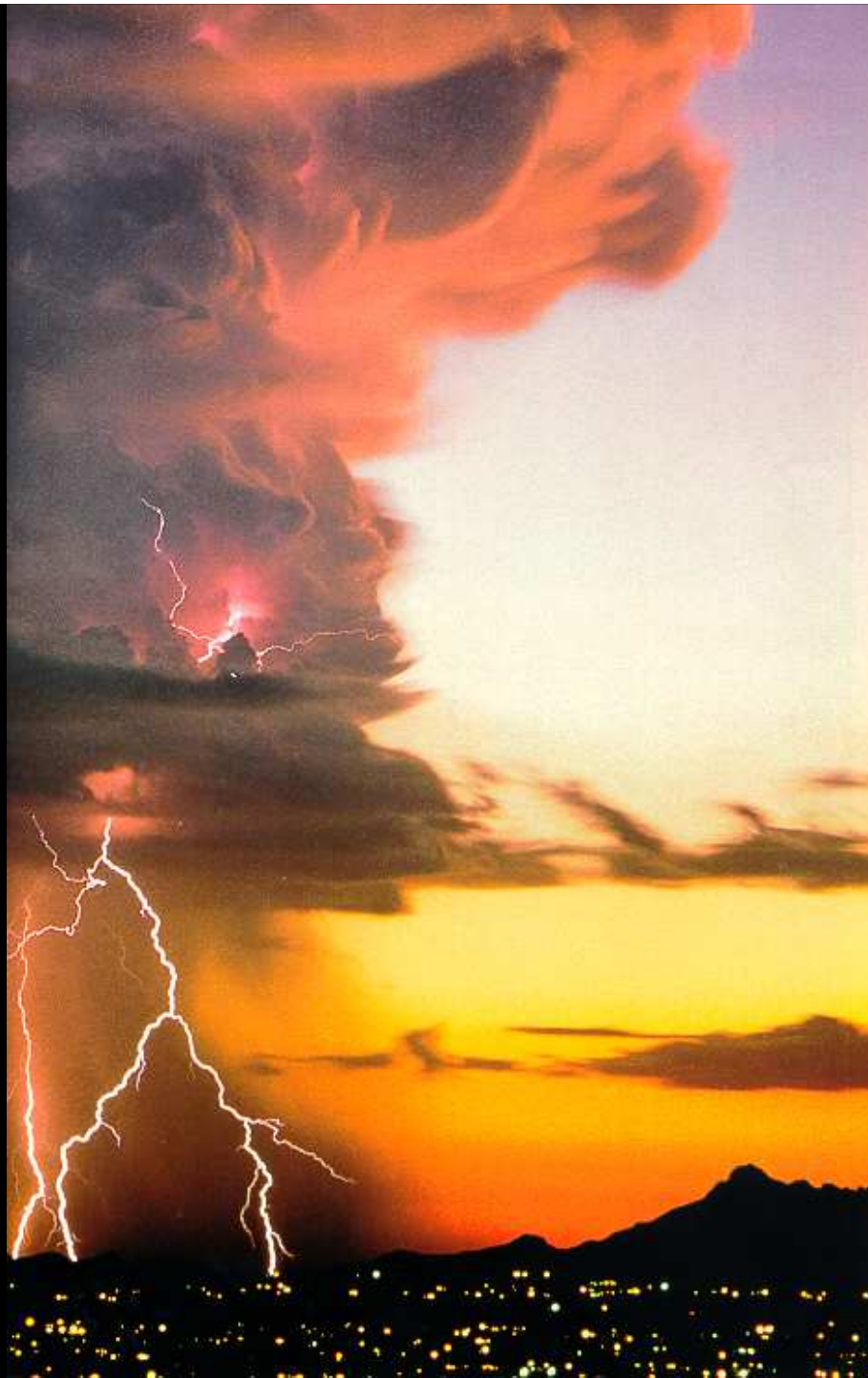


Þrumuspár

*Þórður Arason
Veðurstofu Íslands*

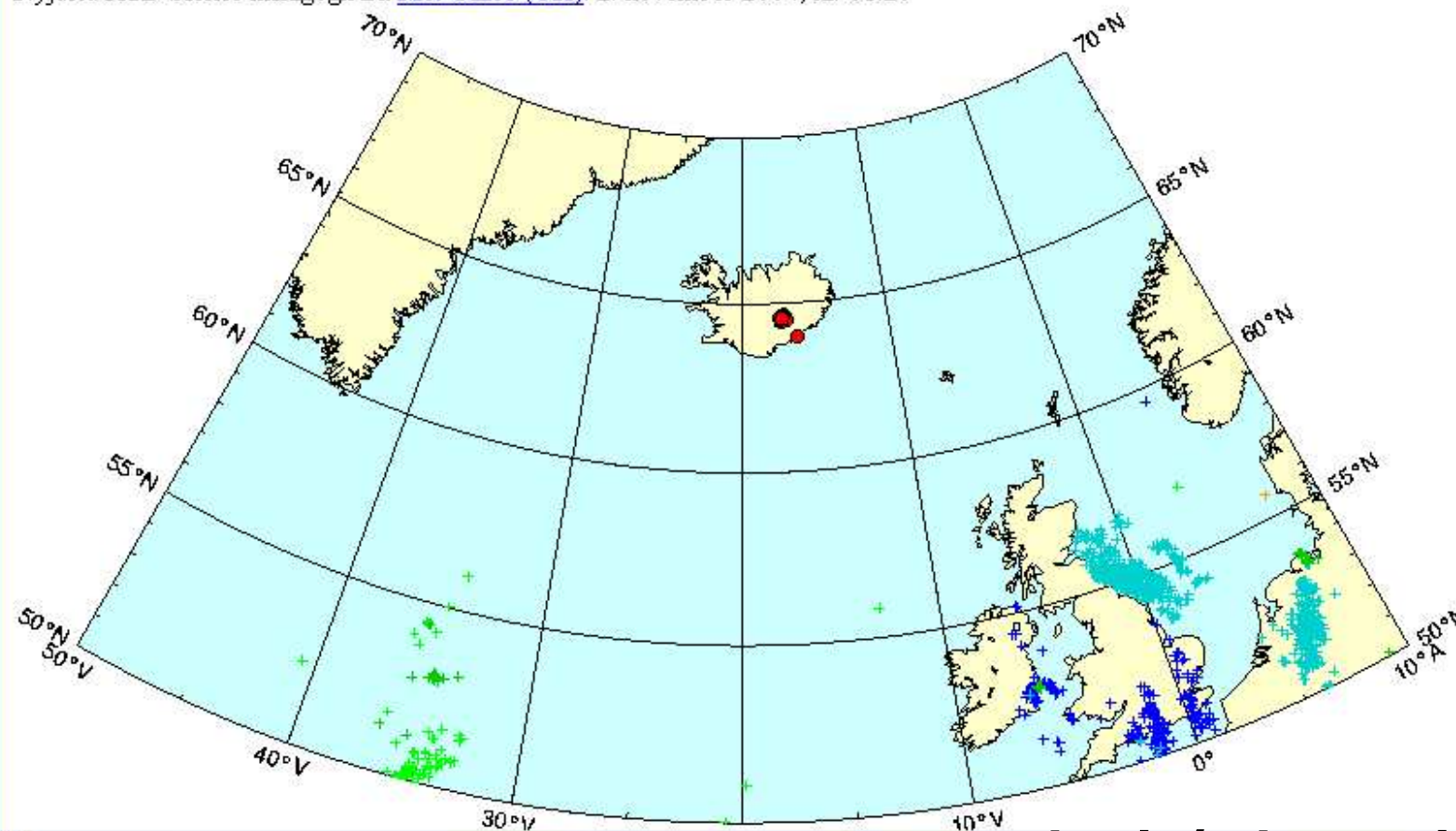


Þrumur og eldingar



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Nýjustu ATD Sferics mæligögn frá [Met Office \(UK\)](#): 2. nóvember 2004, kl. 08:20



Dagsetning eldinga sl. viku

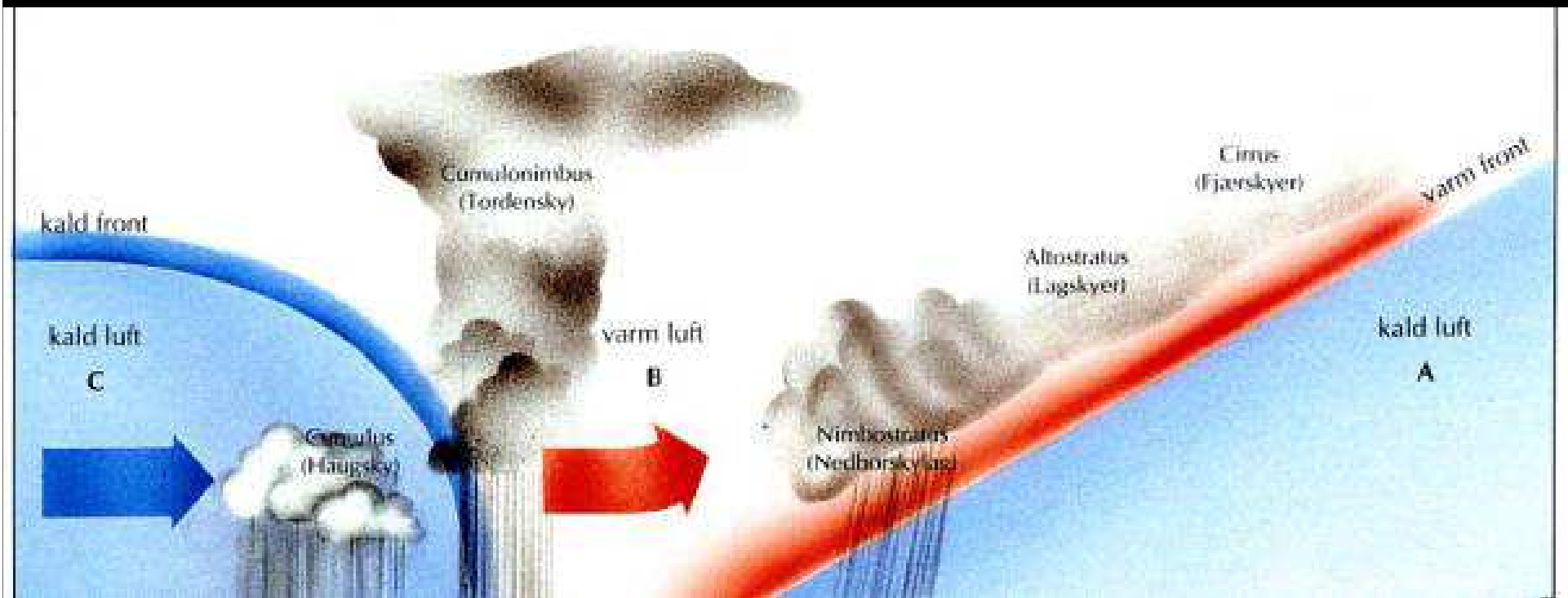
- 2004-11-02 í dag
- + 2004-11-01
- + 2004-10-31
- + 2004-10-30
- + 2004-10-29
- + 2004-10-28
- + 2004-10-27

skipt er um lit á miðnætti

www.vedur.is/athuganir/eldingar

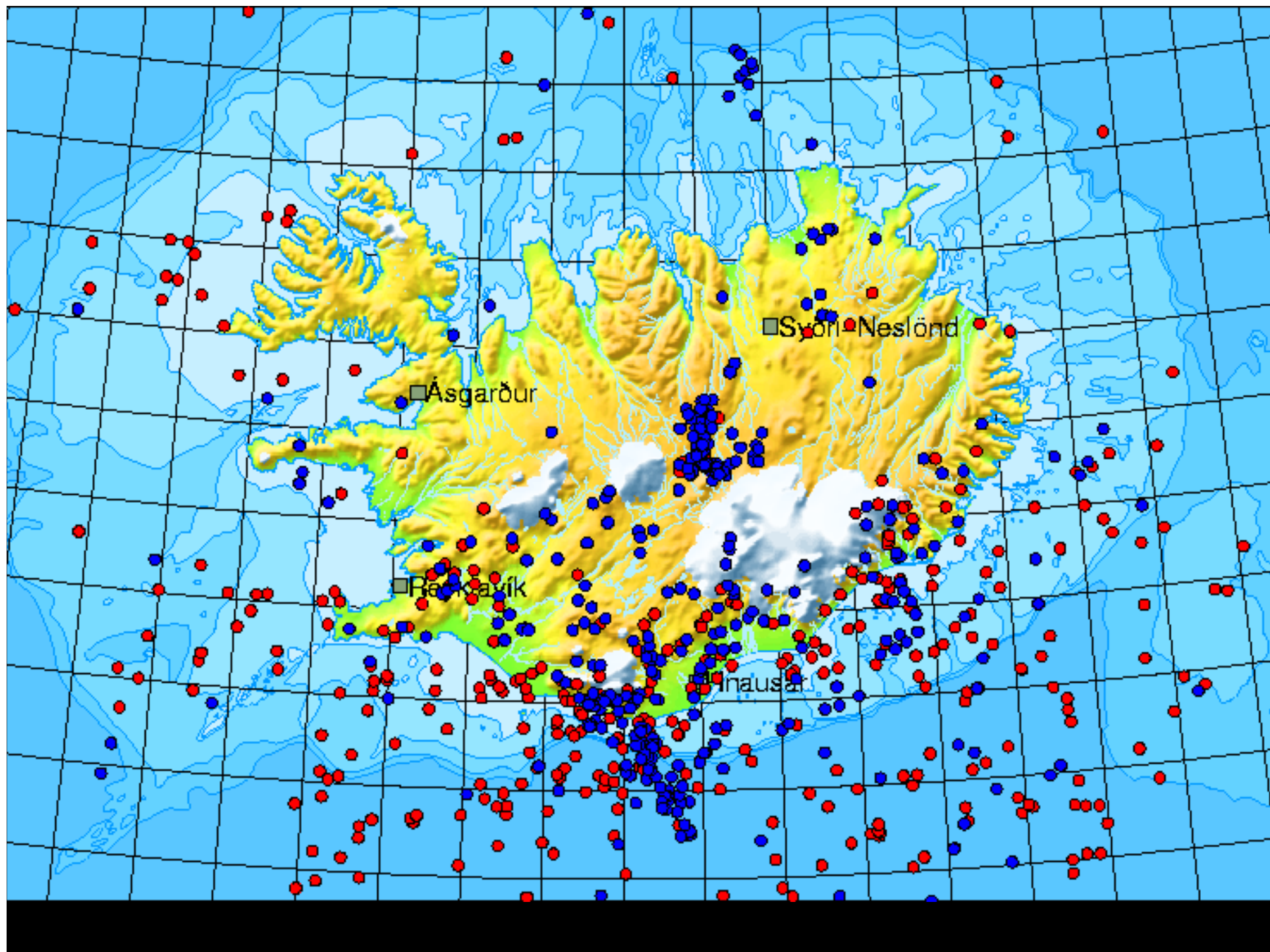
Rigning eða skúrir

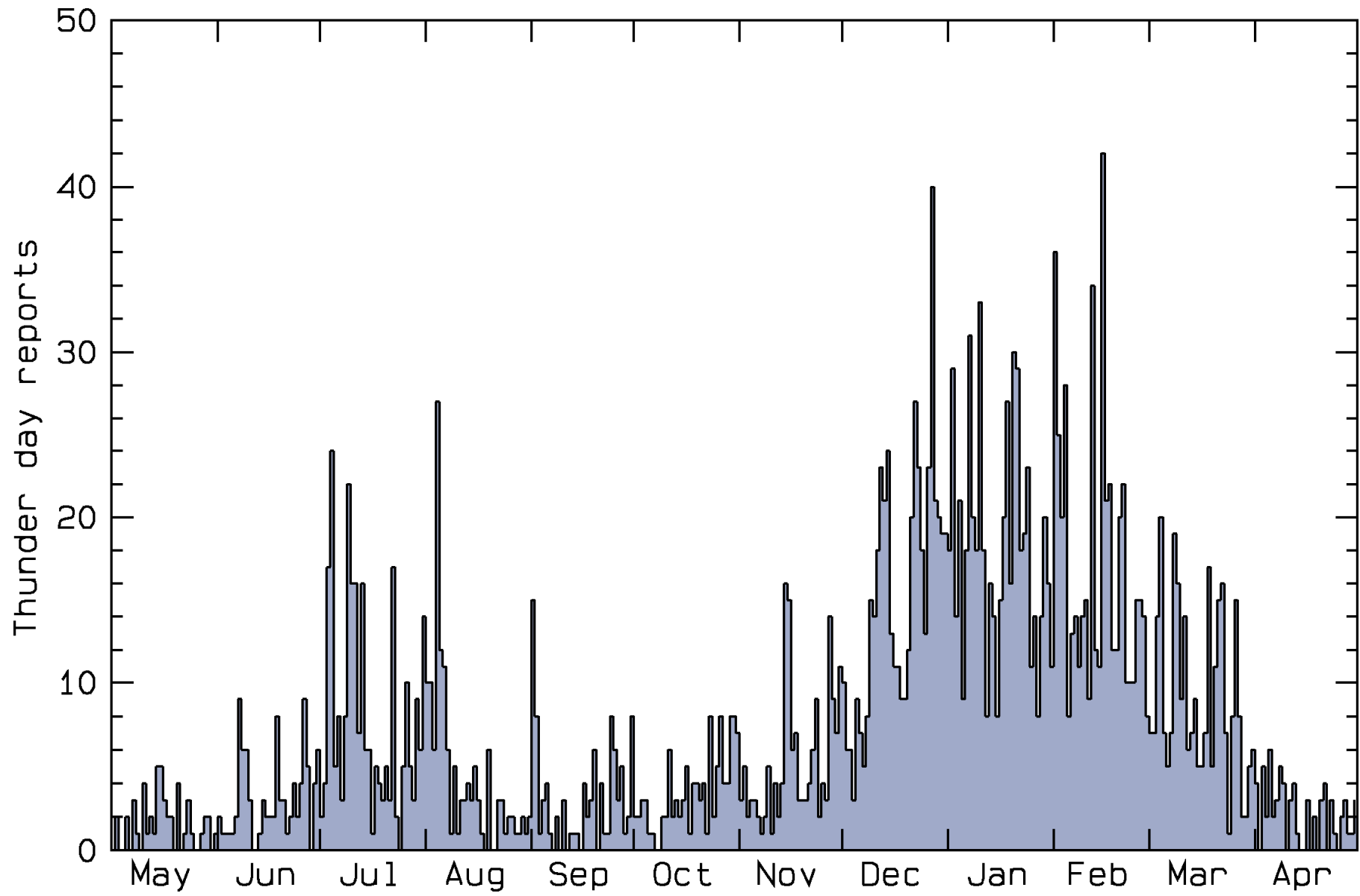
- Gerður er verulegur greinarmunur á rigningu, slyddu eða snjókomu annars vegar og skúrum, slydduéljum eða snjóéljum hins vegar.
- Úrkoman í skúra- og éljaveðri byrjar og endar snögglega, og úrkomumagnið tekur snöggum breytingum. Oft sést í heiðbláan himin milli dökkleitra skýjabólstra eða skúraflóka, sem úrkoman fellur úr. Stundum sést þó ekki til himins milli skúra, og jafnvel getur verið að úrkoman hætti ekki alveg, en nokkuð birtir þó með tiltölulega stuttu millibili.
- Rigning, slydda og snjókoma koma fyrst og fremst úr regnþykkni, þar sem birtubreytingar eru allar mun hægari. Stundum rignir/snjóar með uppstyttum án þess að um sé að ræða skúrir/él.
- Hagl kemur einungis úr skúraflókum.
- Þrumur og eldingar eru ávallt samfara, en þó getur verið að ekki verði vart við nema annað fyrirbærið í sama skipti. Eldingar koma einungis úr skúraflókum.

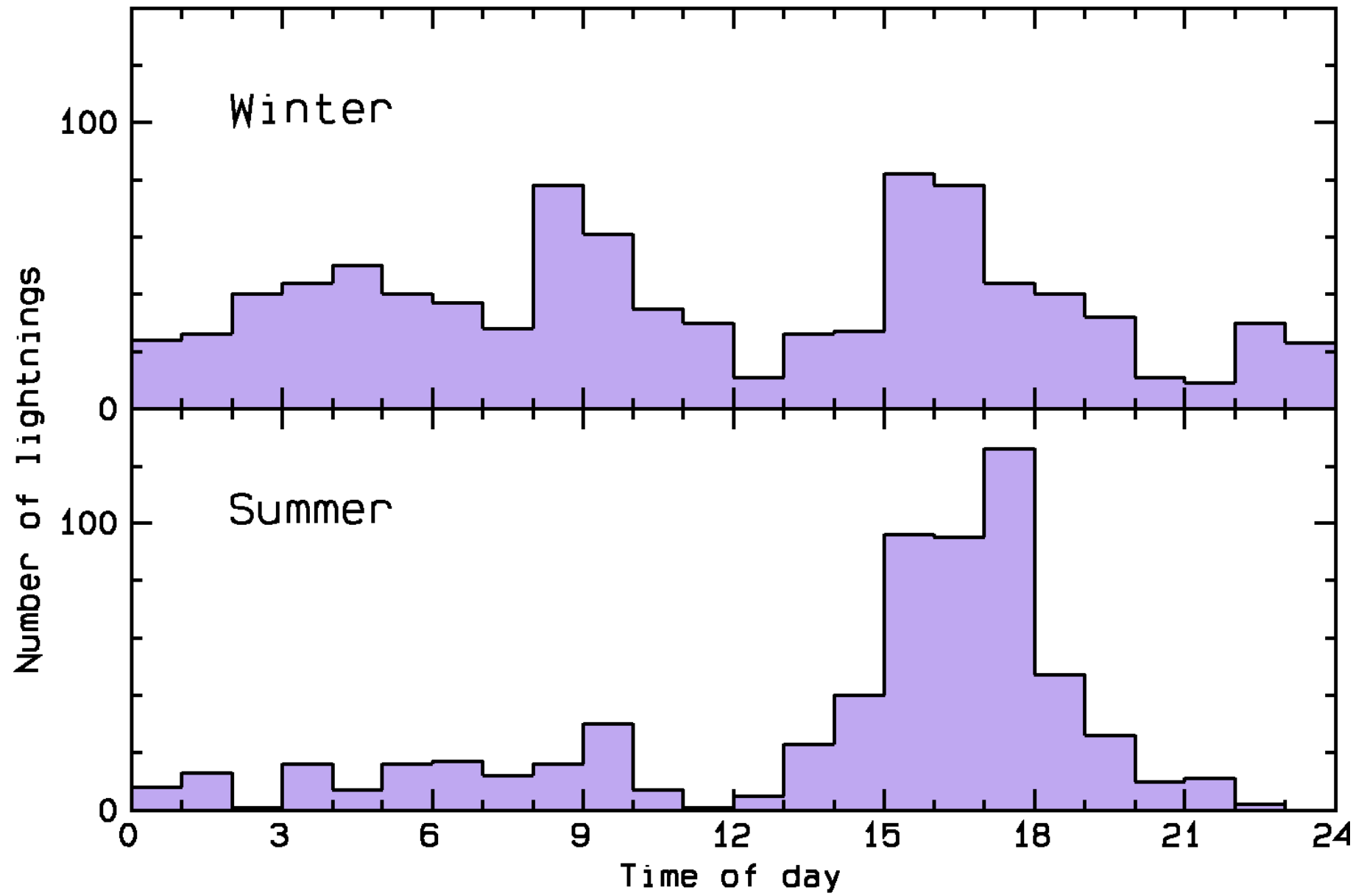


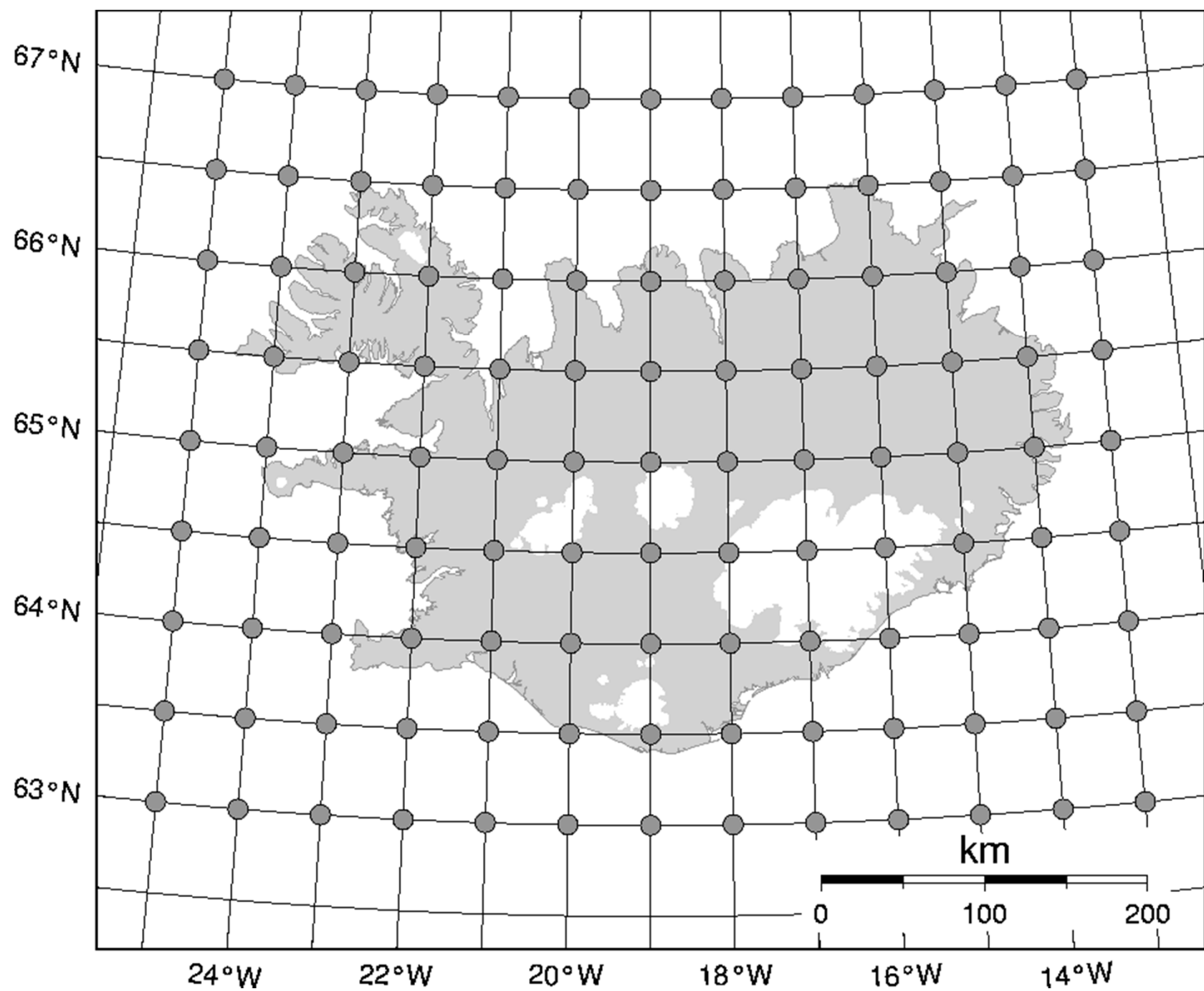


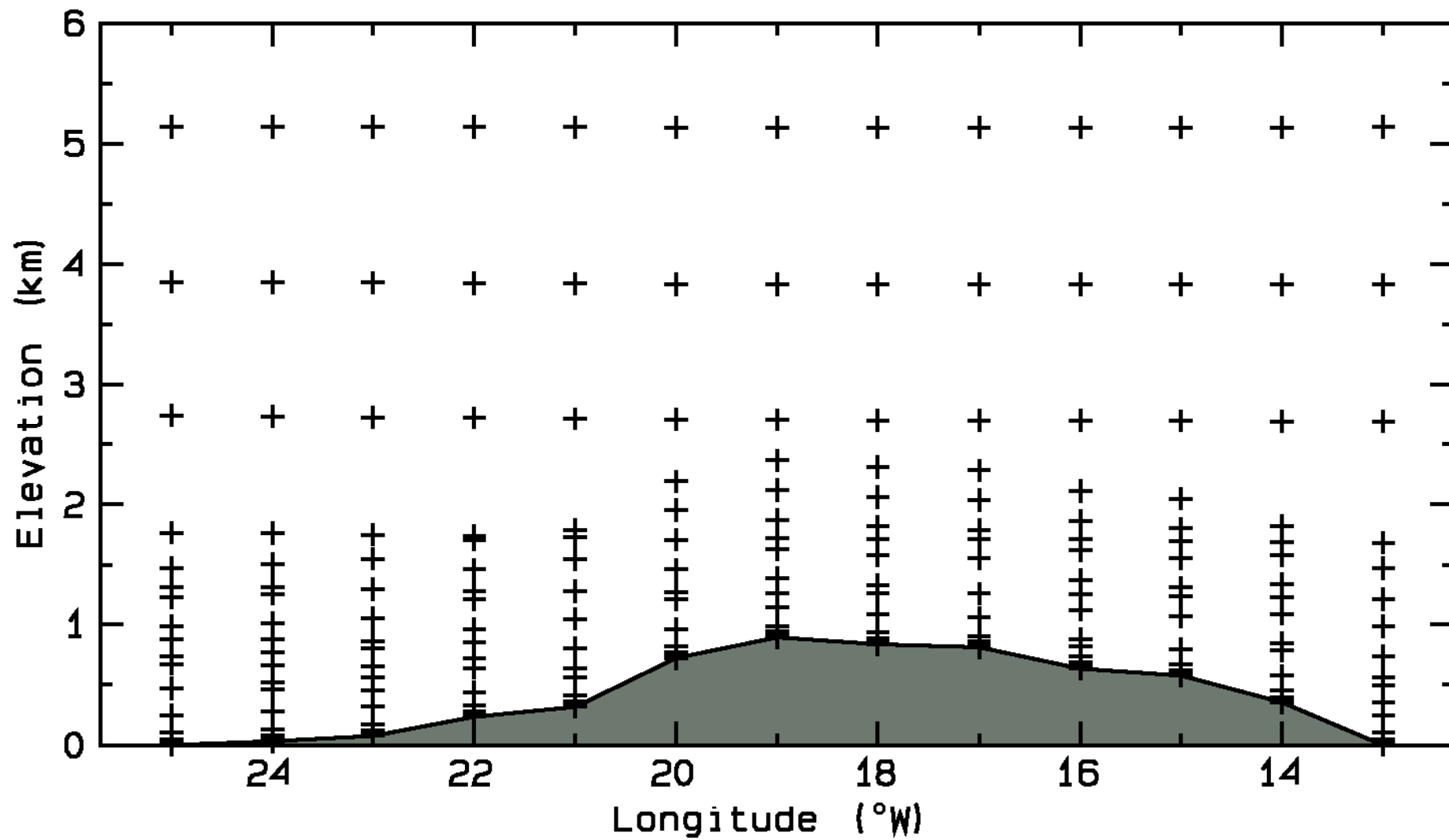












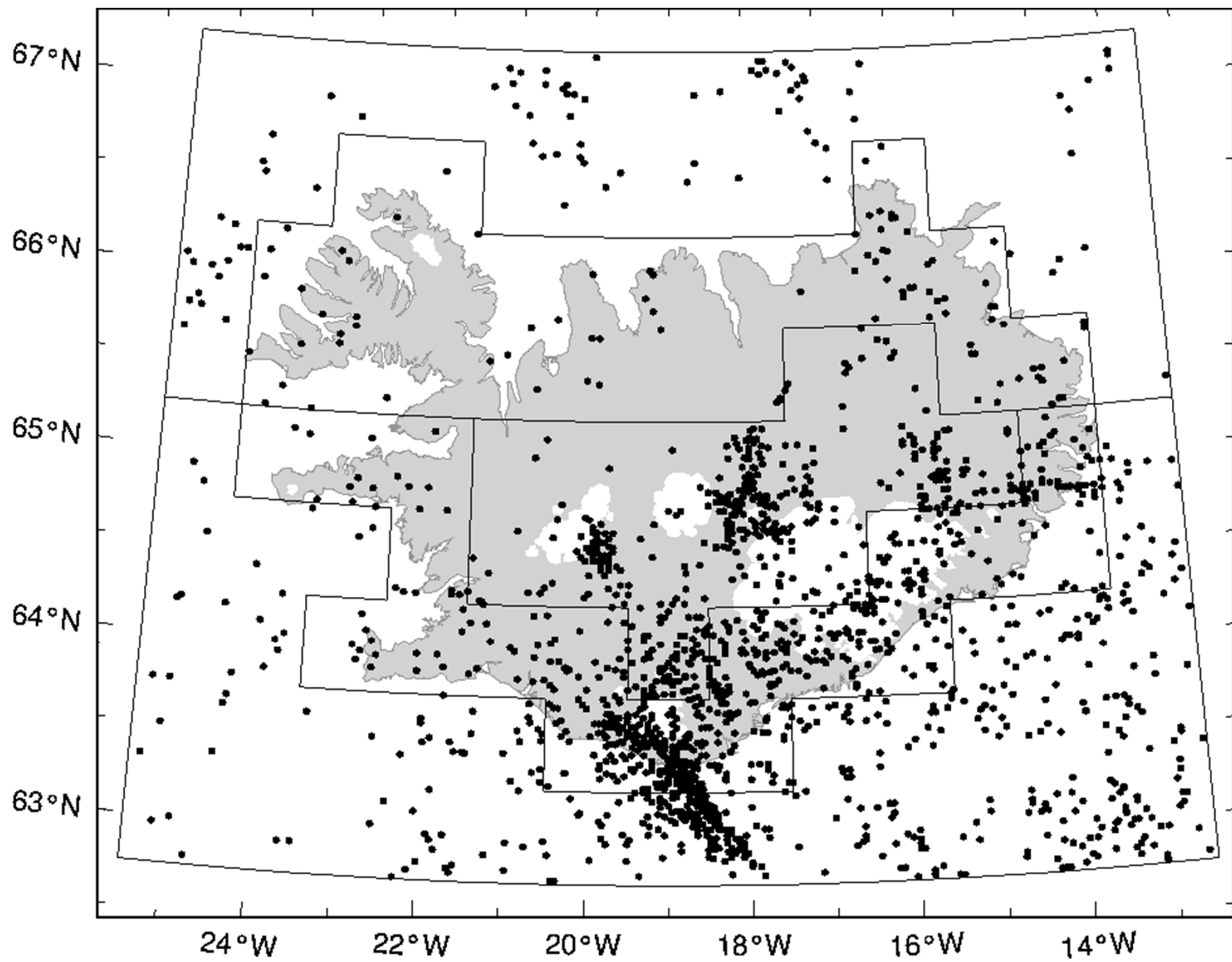
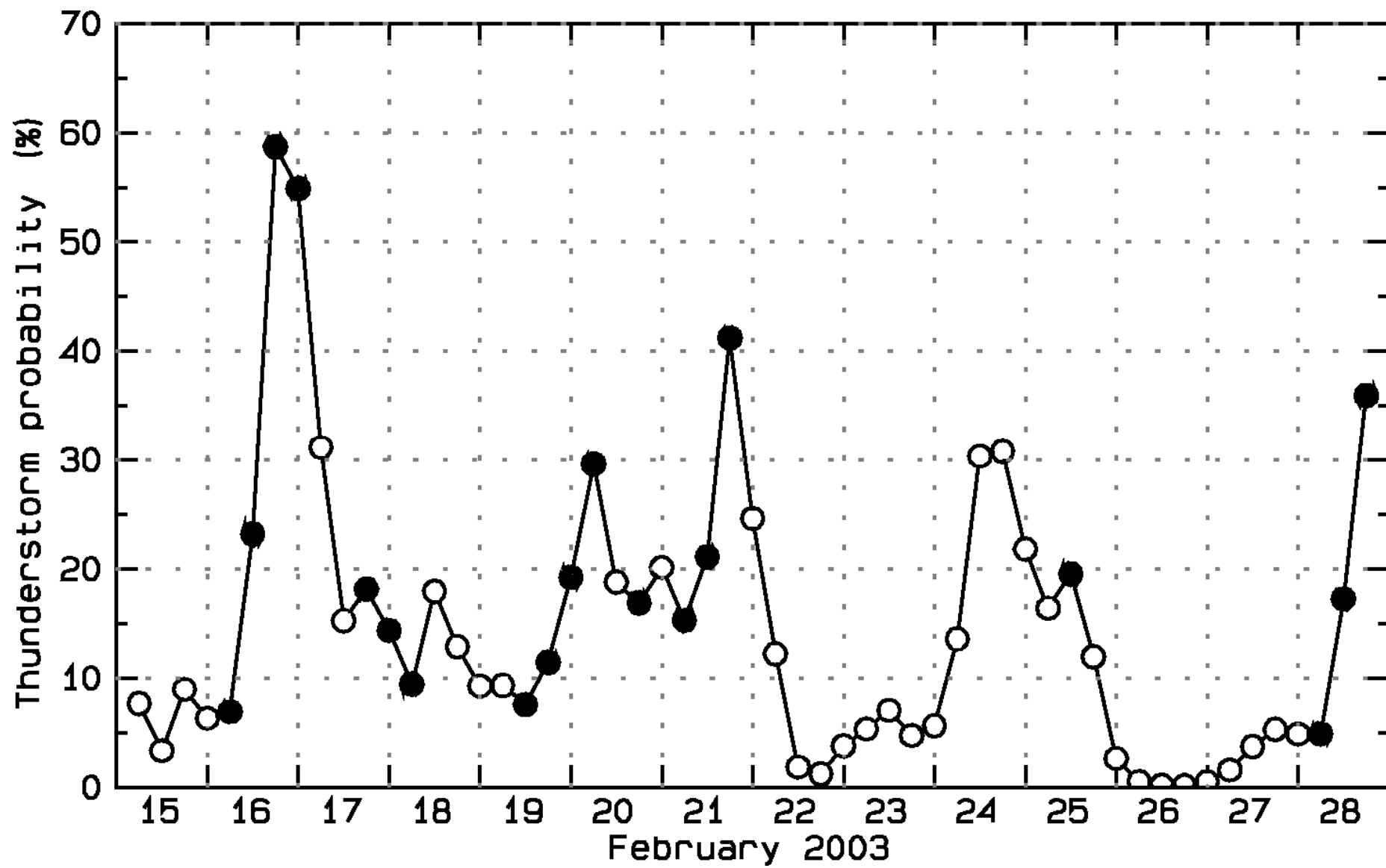
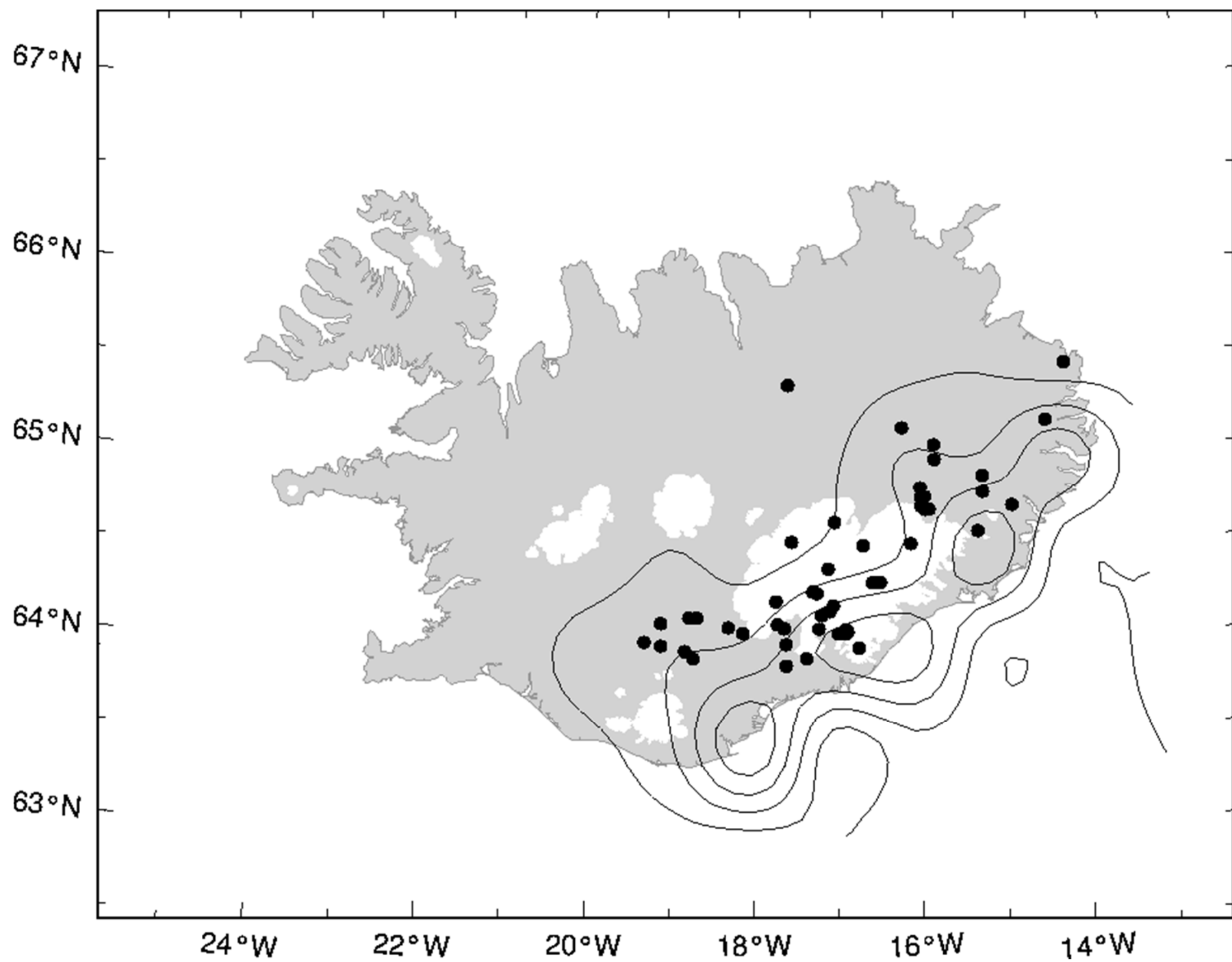


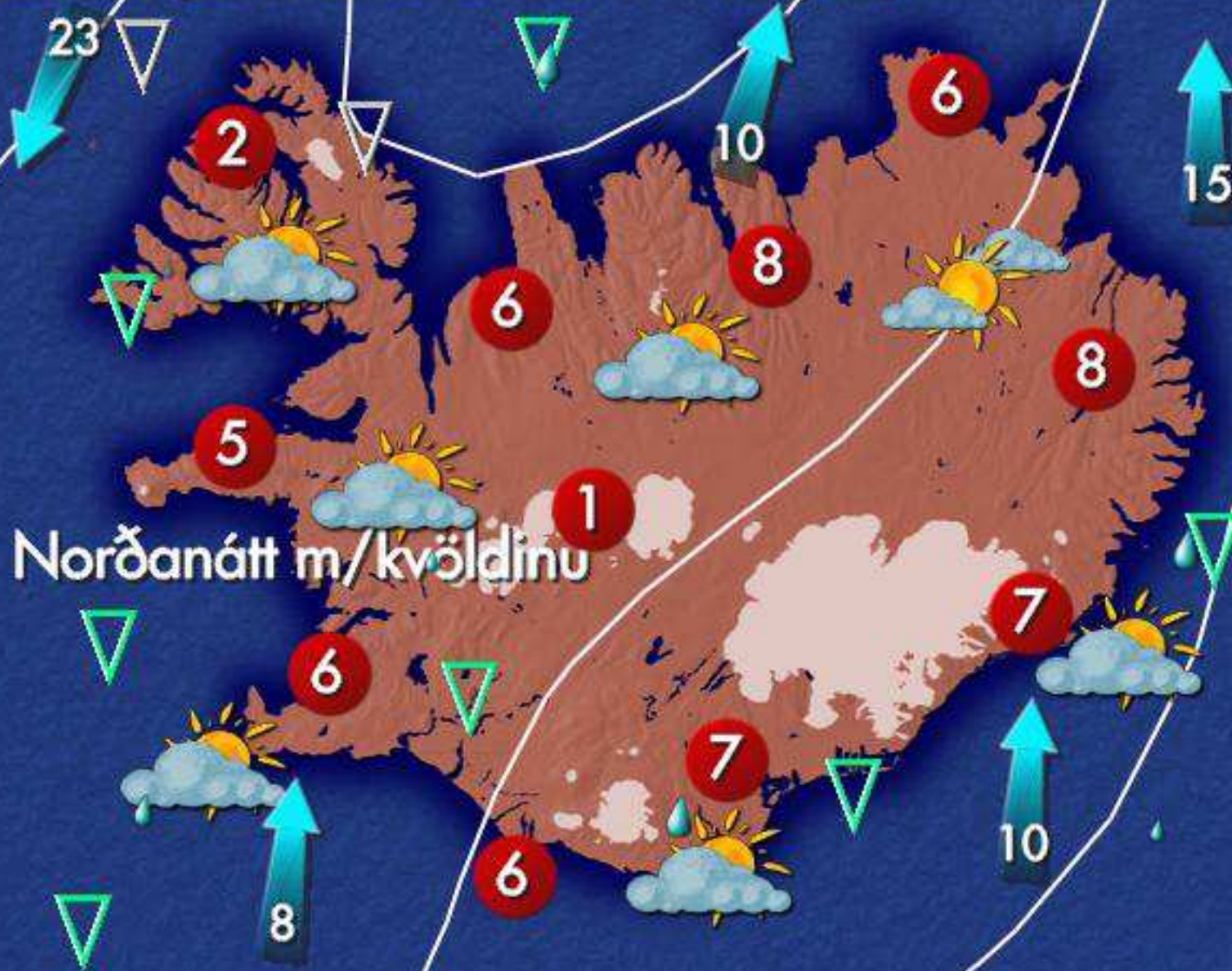
Table 2. Summary of indices considered for this study

| <i>No</i> | <i>Index</i> | <i>Definition</i> |
|-----------|---|--|
| 1 | Air temperature at surface | T_s |
| 2 | Air temperature at 700 hPa | T_{700} |
| 3 | Air pressure at sea level | p |
| 4 | Westerly winds at 700 hPa | u_{700} |
| 5 | Southerly wind at 700 hPa | v_{700} |
| 6 | Elevation of the 500 hPa level | Z_{500} |
| 7 | Adedokun 1 Index | $\theta w_{850} - \theta s_{500}$ |
| 8 | Adedokun 2 Index | $\theta w_s - \theta s_{500}$ |
| 9 | Boyden Index | $0.1(Z_{700} - Z_{1000}) - T_{700} - 200$ |
| 10 | Bradbury Index | $\theta w_{500} - \theta w_{850}$ |
| 11 | Negative Convective Available Potential Energy (all terms) | $g \int (T^{*}_{0.5 \rightarrow z} - T)/T dz$ |
| 12 | CAPE (only positive terms) | $g \int (T^{*}_{0.5 \rightarrow z} - T)/T dz$ |
| 13 | Cross Totals Index (CT) | $Td_{850} - T_{500}$ |
| 14 | Deep Convective Index | $T_{850} + Td_{850} - LI_s$ |
| 15 | Jefferson Index | $1.6\theta w_{850} - T_{500} - (T_{700} - Td_{700})/2 - 8$ |
| 16 | K Index (KI) | $T_{850} - T_{500} + Td_{850} - T_{700} + Td_{700}$ |
| 17 | Lifted Index (from surface) (LI_s) | $T_{500} - T^{*}_{s \rightarrow 500}$ |
| 18 | Lifted Index (0.5km) ($LI_{0.5}$) | $T_{500} - T^{*}_{0.5 \rightarrow 500}$ |
| 19 | Showalter Stability Index | $T_{500} - T^{*}_{850 \rightarrow 500}$ |
| 20 | S Index | $TT - (T_{700} - Td_{700}) - A$ |
| 21 | Thompson Index | $KI - LI_{0.5}$ |
| 22 | Total Totals Index (TT) | $CT + VT$ |
| 23 | Vertical Totals Index (VT) | $T_{850} - T_{500}$ |
| 24 | Integrated Water Content | $\int \rho_v dz$ |



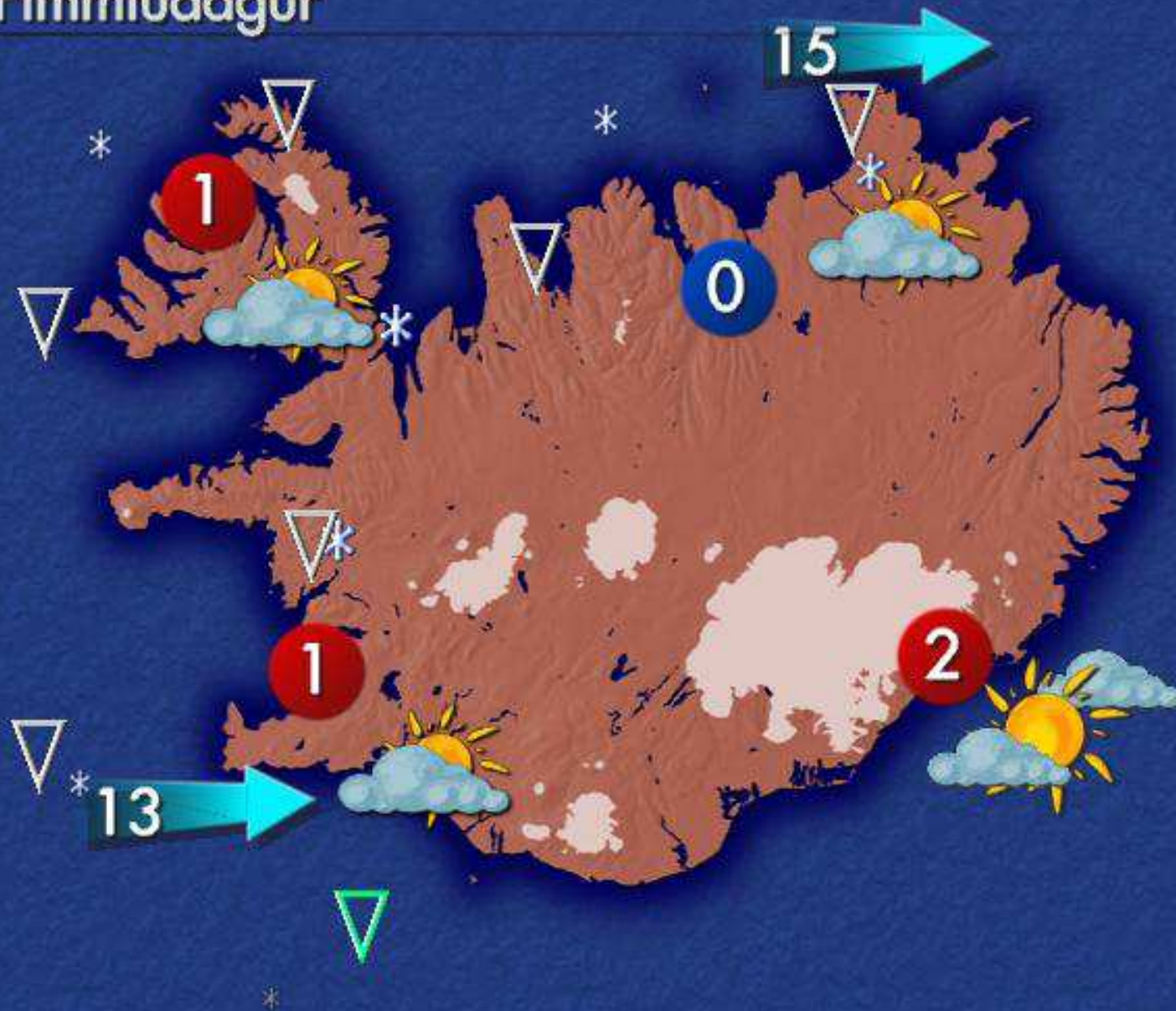


*
Á morgun, 3. nóvember um hádegi



Norðanátt m/kvöldinu

Fimmtudagur



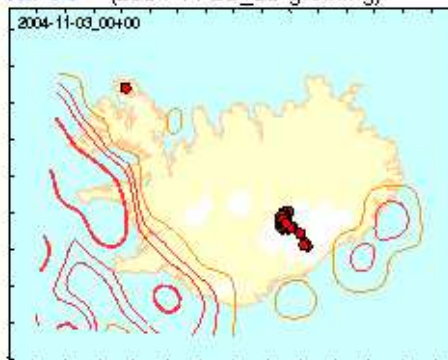
CAPE þrumuspá



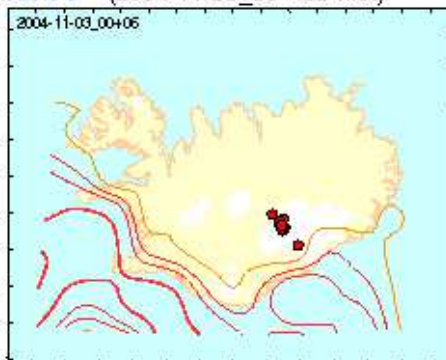
[Heim](#) > [Veðurathuganir](#) > [Eldingar](#) > [Þrumuspá](#) [Skýringar](#) [ΔT/Δz \(gamla þrumuspáin\)](#)

Í dag, miðvikudag

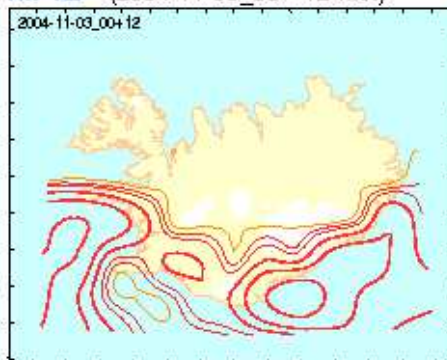
kl. 00 - (2004-11-03_00 greining)



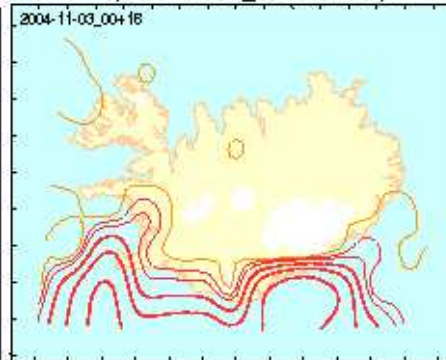
kl. 06 - (2004-11-03_00 +06 klst)



kl. 12 - (2004-11-03_00 +12 klst)

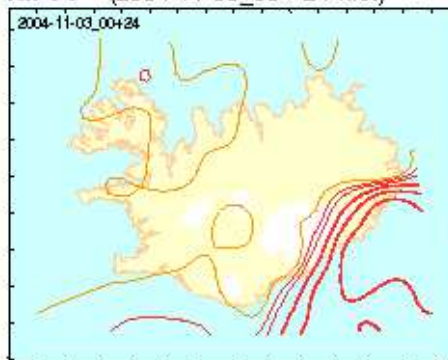


kl. 18 - (2004-11-03_00 +18 klst)

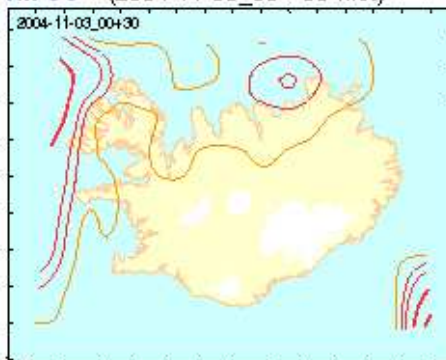


Á morgun, fimmtudag

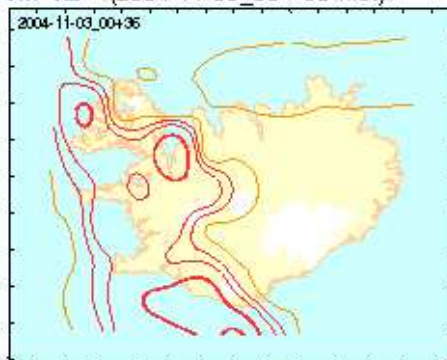
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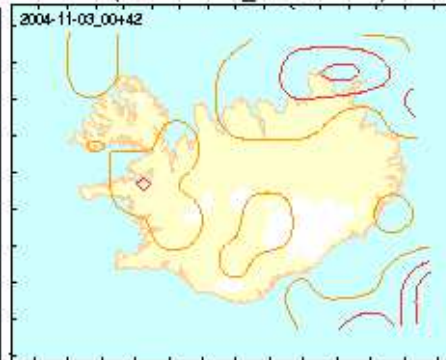
kl. 06 - (2004-11-03_00 +30 klst)



kl. 12 - (2004-11-03_00 +36 klst)



kl. 18 - (2004-11-03_00 +42 klst)



Viðbrögð við eldingaslysi

- Yfir helmingur þeirra sem verða fyrir eldingu skaddast varanlega og 10-20% deyja. Hópslys eru algeng
- Afleiðingar geta verið brunasár á húð og innri líffærum, hjartastopp og tímabundið heyrnarleysi
- Ekki þarf að óttast rafhleðslu í manni sem hefur orðið fyrir eldingu
- Mikilvægt er að veita skyndihjálp á staðnum

