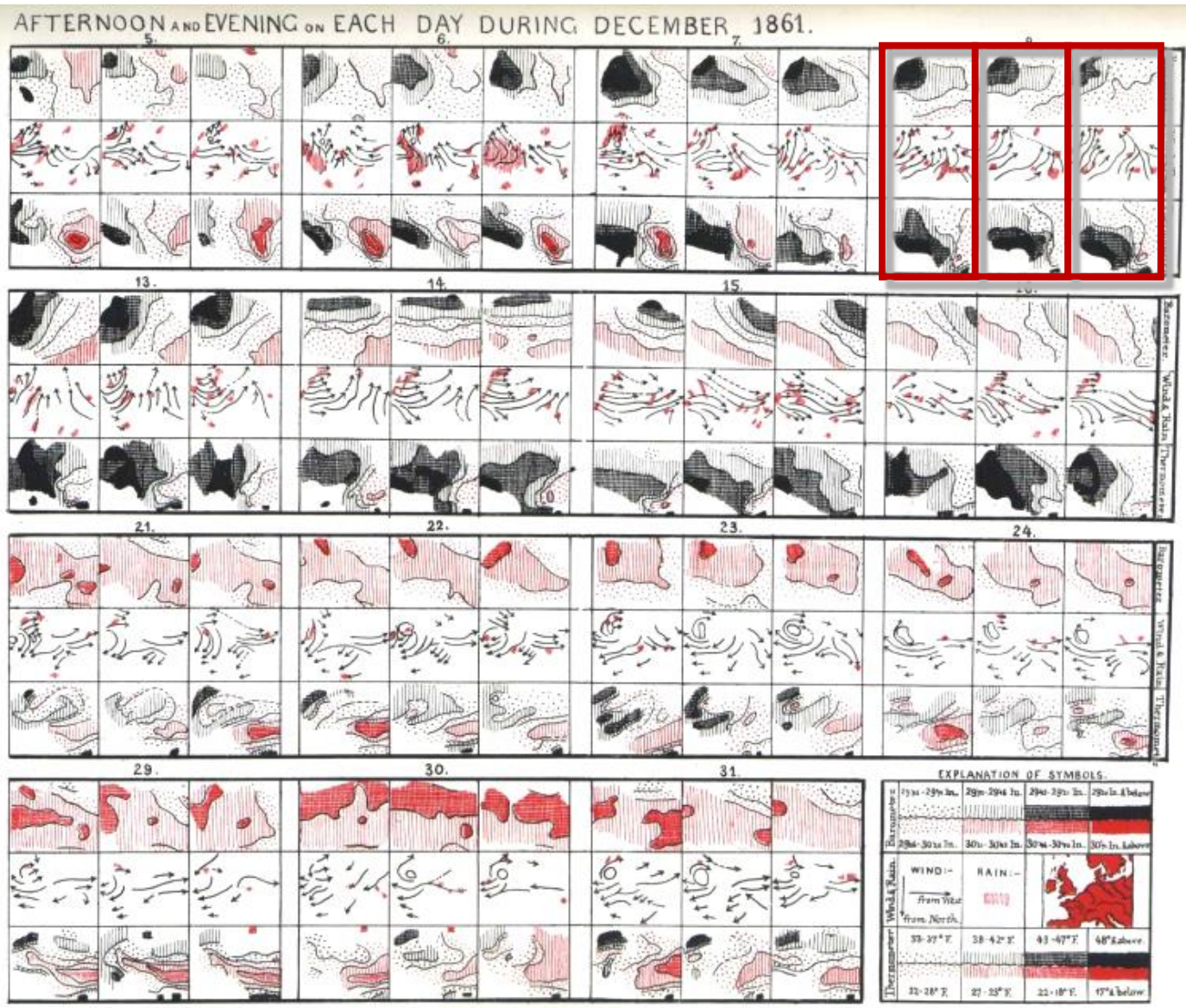


A series of weather maps from the *Meteorographica*.

Weather maps
Francis Galton (1863)

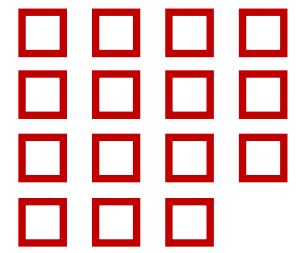
Francis Galton, pub. 1863

[in] M.Friendly, A Brief History of Data Visualization, Multivariate weather charts, arranged as small multiples



← une journée d'observations

← matin
midi
soir



une série de jours
(ici 15 - vue partielle)

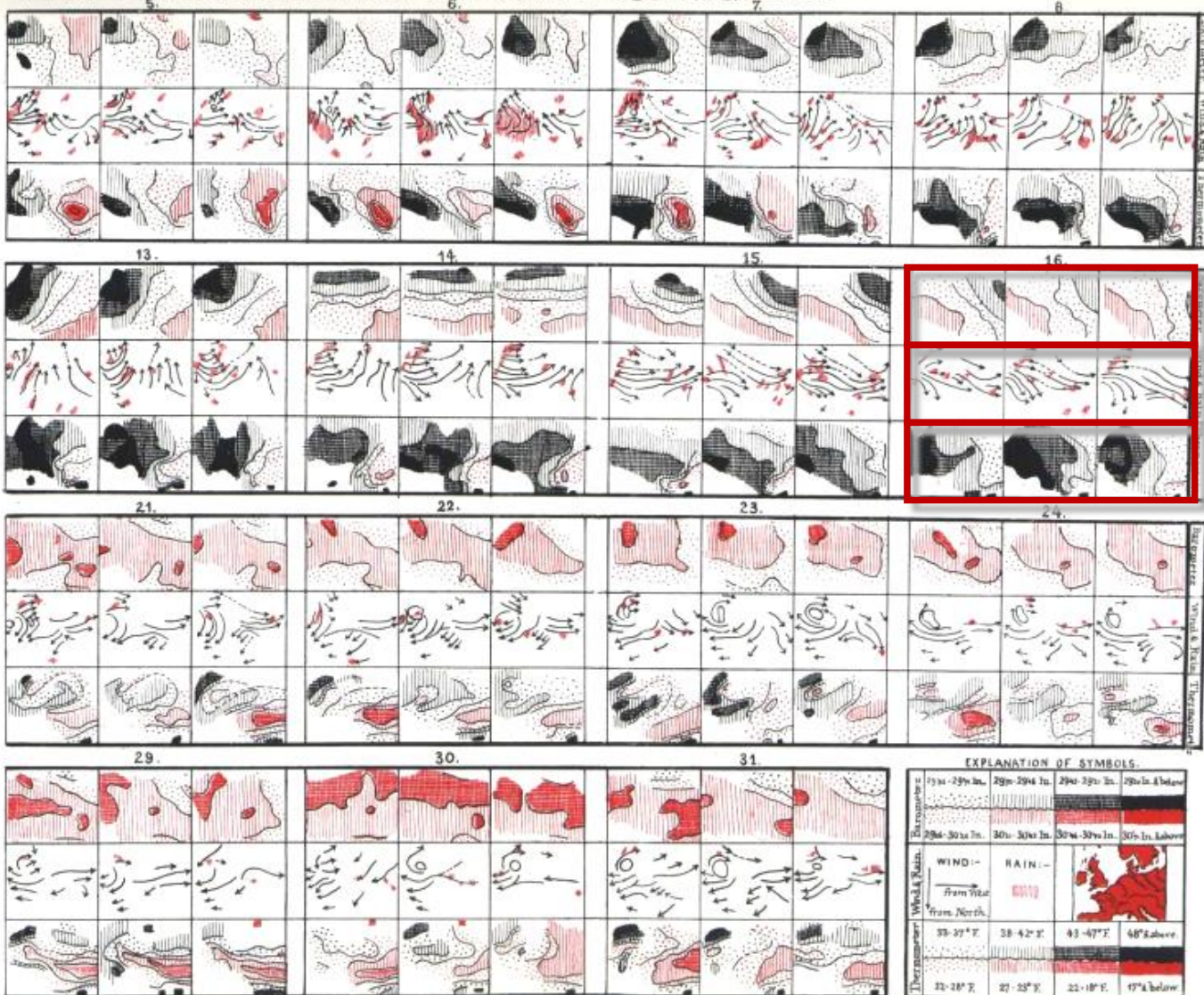
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Weather maps
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Francis Galton, pub. 1863

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AFTERNOON AND EVENING ON EACH DAY DURING DECEMBER, 1861.



Trois paramètres observés chaque jour

← pression barométrique

← vents (direction)

← températures

A series of weather maps from the *Meteorographica*.

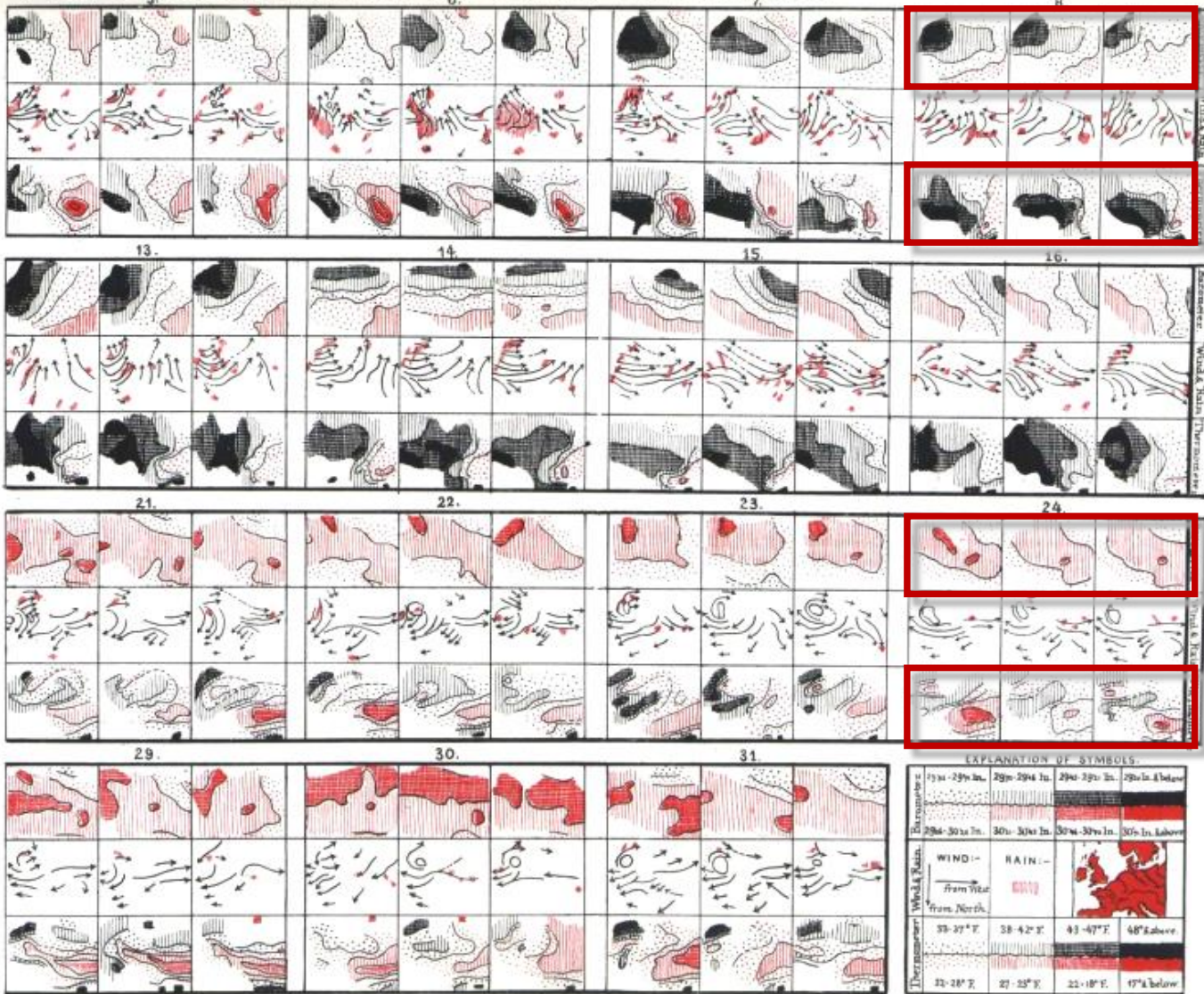
Weather maps
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Francis Galton, pub. 1863

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Série temporelle

AFTERNOON AND EVENING ON EACH DAY DURING DECEMBER, 1861.



← Noir: pression barométrique basse

← Noir: températures basses

← Rouge: pression barométrique élevée

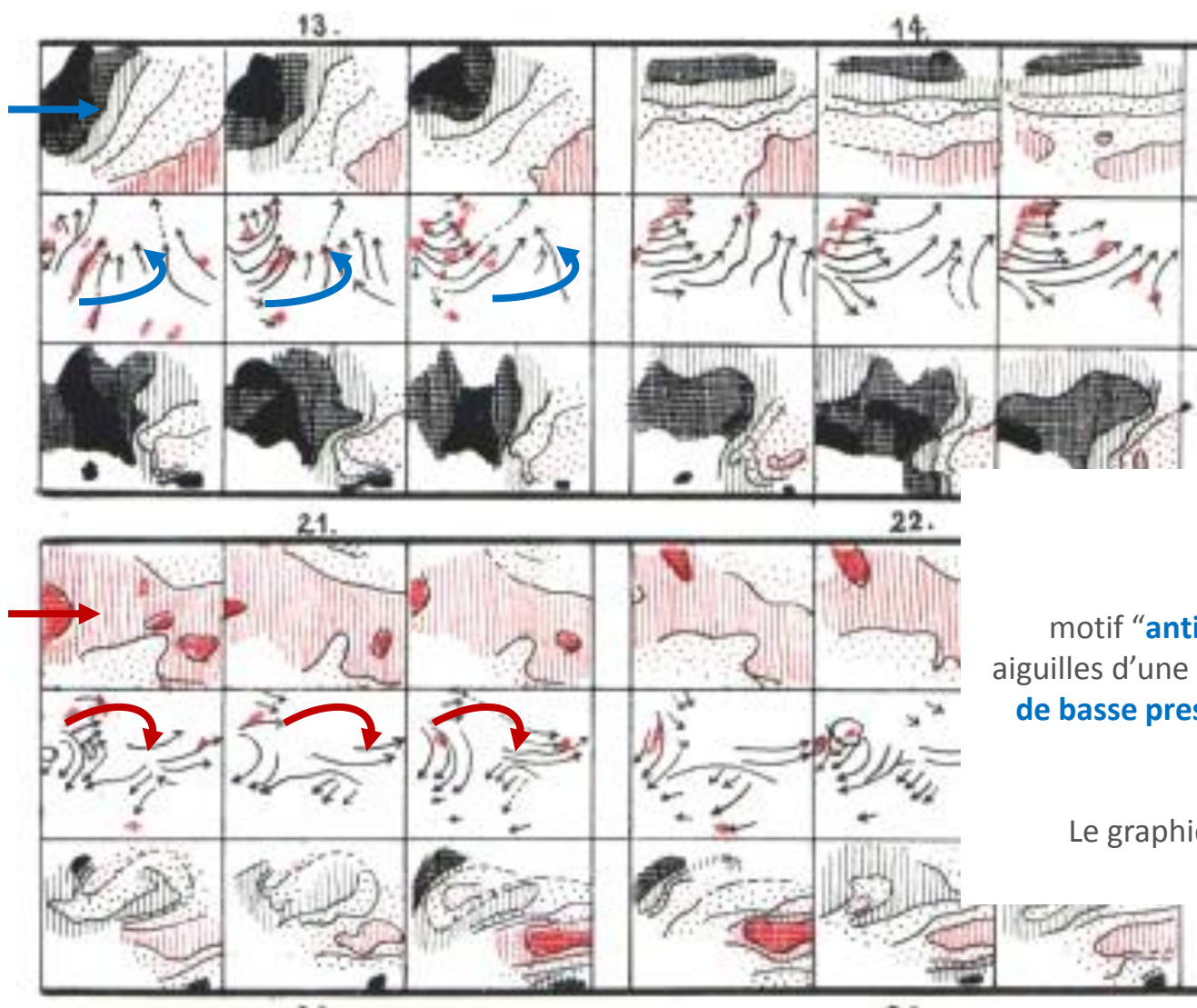
← Rouge: températures élevées

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Une démonstration graphique :

motif “**anti-cyclonique**” (CCW - sens contraire aiguilles d’une montre) des vents dans **les régions de basse pression**, rotations CW des vents dans les **régions de haute pression**.

Le graphique comme outil du raisonnement, comme **moyen de découverte**

Weather maps
Francis Galton (1863)

Francis Galton, pub. 1863

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