

Hellmann und v. Elsner
Meteorologische Untersuchungen
über die
Sommerhochwasser der Oder
Atlas



Veröffentlichungen des Königlich Preussischen Meteorologischen Instituts

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G. Hellmann

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Meteorologische Untersuchungen
über die
Sommerhochwasser der Oder

Von

G. Hellmann und G. v. Elsner



Atlas

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Behrend & Co.



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Niederschlagskarten.

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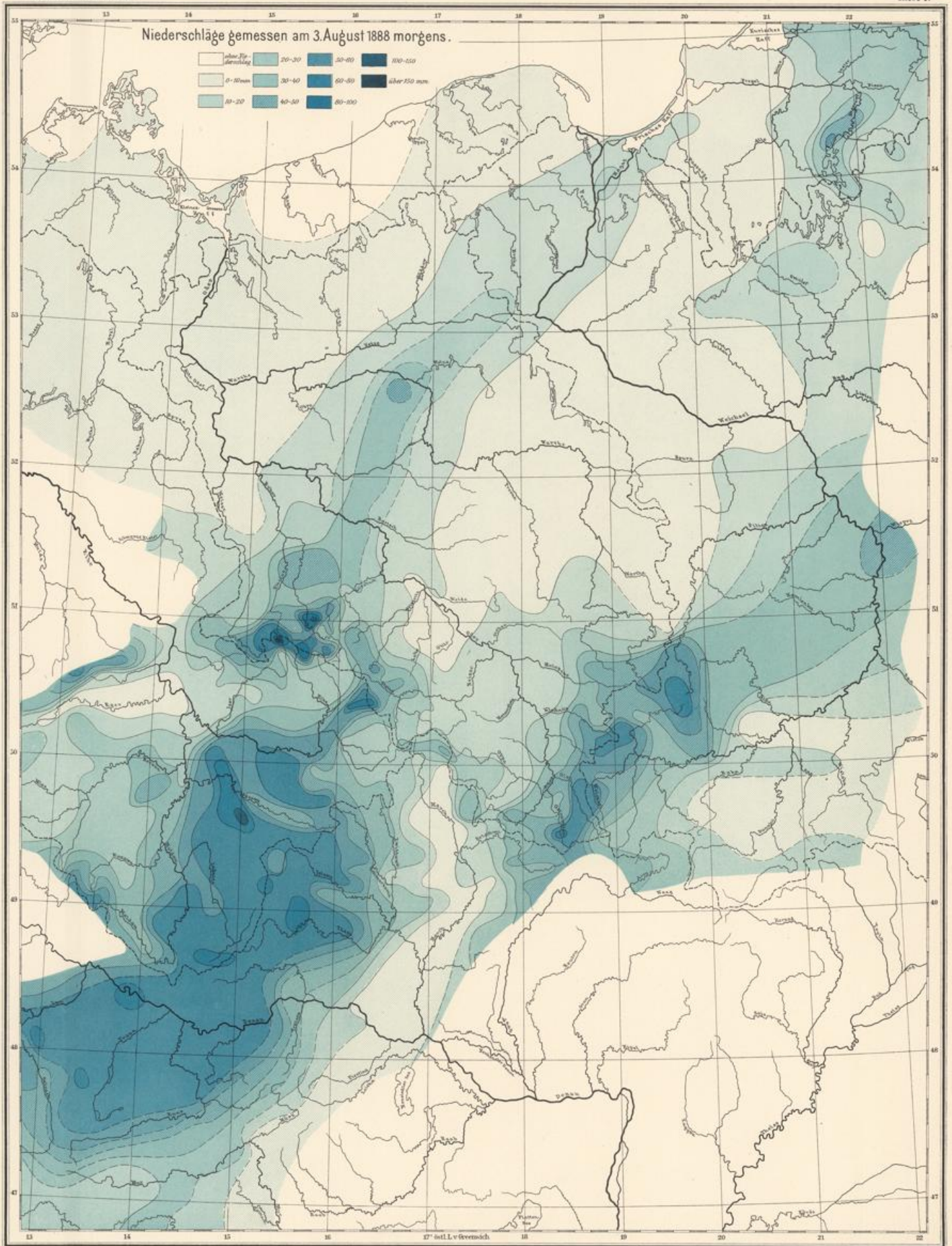
Luftdruck- und Temperaturkarten.

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|----------|---|----------|--|
| Taf. 21. | 1a. Luftdruck 31. Juli 1888 9 ^o | Taf. 28. | 7a. Luftdruck 12. Juli 1891 7 ^a |
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| Taf. 22. | 1g. Luftdruck 2. August 1888 9 ^o | Taf. 29. | 7g. Luftdruck 19. Juli 1891 9 ^o |
| | 1h. Luftdruck 3. August 1888 7 ^a | | 7h. Luftdruck 20. Juli 1891 7 ^a |
| | 1i. Temperatur 1. August 1888 7 ^a | | 7i. Luftdruck 21. Juli 1891 7 ^a |
| | 1k. Temperatur 2. August 1888 7 ^a | | 7k. Luftdruck 22. Juli 1891 7 ^a |
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| | 2a. Luftdruck 16. August 1888 7 ^a | | 8b. Luftdruck 4. Juni 1892 2 ^o |
| Taf. 23. | 2b. Luftdruck 17. August 1888 7 ^a | Taf. 30. | 8c. Luftdruck 5. Juni 1892 7 ^a |
| | 2c. Luftdruck 17. August 1888 9 ^o | | 8d. Luftdruck 6. Juni 1892 7 ^a |
| | 2d. Luftdruck 18. August 1888 7 ^a | | 8e. Luftdruck 7. Juni 1892 7 ^a |
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| | 3b. Luftdruck 1. September 1888 7 ^a | | 9a. Luftdruck 14. März 1894 9 ^o |
| | 3c. Luftdruck 2. September 1888 7 ^a | | 9b. Luftdruck 15. März 1894 7 ^a |
| Taf. 24. | 3d. Luftdruck 8. September 1888 7 ^a | Taf. 31. | 9c. Luftdruck 15. März 1894 9 ^o |
| | 3e. Luftdruck 7. September 1888 9 ^o | | 9d. Luftdruck 16. März 1894 9 ^o |
| | 3f. Luftdruck 8. September 1888 7 ^a | | 10a. Luftdruck 12. Juni 1894 7 ^a |
| | 3g. Luftdruck 8. September 1888 9 ^o | | 10b. Luftdruck 13. Juni 1894 7 ^a |
| | 4a. Luftdruck 27. Juli 1889 7 ^a | | 10c. Luftdruck 16. Juni 1894 7 ^a |
| | 4b. Luftdruck 27. Juli 1889 9 ^o | | 10d. Luftdruck 21. Juni 1894 7 ^a |
| Taf. 25. | 4c. Luftdruck 28. Juli 1889 7 ^a | Taf. 32. | 10e. Luftdruck 21. Juni 1894 9 ^o |
| | 4d. Luftdruck 29. Juli 1889 7 ^a | | 11a. Luftdruck 29. April 1896 9 ^o |
| | 4e. Luftdruck 30. Juli 1889 7 ^a | | 11b. Luftdruck 30. April 1896 7 ^a |
| | 5a. Luftdruck 28. September 1889 7 ^a | | 11c. Luftdruck 30. April 1896 2 ^o |
| | 5b. Luftdruck 29. September 1889 7 ^a | | 11d. Luftdruck 30. April 1896 9 ^o |
| | 5c. Luftdruck 30. September 1889 7 ^a | | 11e. Luftdruck 1. Mai 1896 7 ^a |
| Taf. 26. | 5d. Luftdruck 30. September 1889 9 ^o | Taf. 33. | 11f. Luftdruck 2. Mai 1896 7 ^a |
| | 5e. Luftdruck 1. Oktober 1889 7 ^a | | 11g. Luftdruck 3. Mai 1896 7 ^a |
| | 5f. Luftdruck 2. Oktober 1889 7 ^a | | 11h. Luftdruck 4. Mai 1896 7 ^a |
| | 5g. Luftdruck 2. Oktober 1889 9 ^o | | 11i. Luftdruck 5. Mai 1896 7 ^a |
| | 5h. Luftdruck 3. Oktober 1889 7 ^a | | 11k. Luftdruck 6. Mai 1896 7 ^a |
| | 6a. Luftdruck 29. August 1890 7 ^a | | 12a. Luftdruck 11. Mai 1897 9 ^o |
| Taf. 27. | 6b. Luftdruck 29. August 1890 9 ^o | Taf. 34. | 12b. Luftdruck 12. Mai 1897 7 ^a |
| | 6c. Luftdruck 30. August 1890 7 ^a | | 12c. Luftdruck 12. Mai 1897 9 ^o |
| | 6d. Luftdruck 31. August 1890 7 ^a | | 12d. Luftdruck 13. Mai 1897 7 ^a |
| | 6e. Luftdruck 1. September 1890 7 ^a | | 12e. Luftdruck 14. Mai 1897 7 ^a |
| | 6f. Luftdruck 2. September 1890 7 ^a | | 12f. Luftdruck 15. Mai 1897 7 ^a |
| | 6g. Luftdruck 3. September 1890 7 ^a | | 12g. Luftdruck 16. Mai 1897 7 ^a |

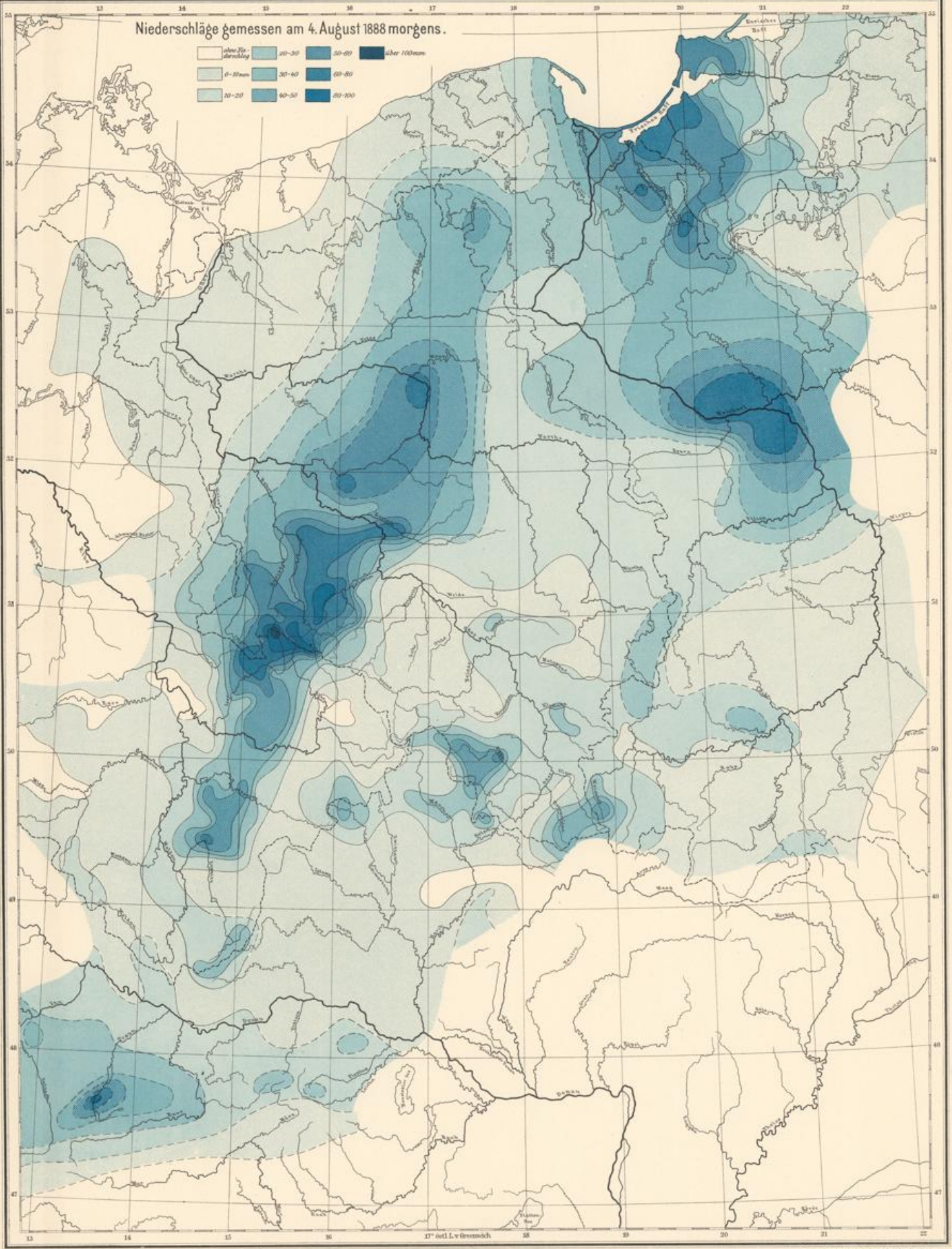
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	13c.	Luftdruck 28. Juli 1897 7 ^a		17e.	Luftdruck 10. Oktober 1901 7 ^a
	13d.	Luftdruck 28. Juli 1897 9 ^e		17f.	Luftdruck 12. Oktober 1901 7 ^a
	13e.	Luftdruck 29. Juli 1897 7 ^a		18a.	Luftdruck 12. Juni 1902 7 ^a
	13f.	Luftdruck 29. Juli 1897 9 ^e		18b.	Luftdruck 13. Juni 1902 7 ^a
Taf. 36.	13g.	Luftdruck 30. Juli 1897 7 ^a	Taf. 45.	18c.	Luftdruck 14. Juni 1902 7 ^a
	13h.	Luftdruck 31. Juli 1897 7 ^a		18d.	Luftdruck 14. Juni 1902 9 ^e
	13i.	Luftdruck in 2500 m Höhe 27. Juli 1897 7 ^a		18e.	Luftdruck 15. Juni 1902 7 ^a
	13k.	Luftdruck in 2500 m Höhe 28. Juli 1897 7 ^a		18f.	Luftdruck 16. Juni 1902 7 ^a
	13l.	Luftdruck in 2500 m Höhe 29. Juli 1897 7 ^a		18g.	Luftdruck 17. Juni 1902 7 ^a
	13m.	Luftdruck in 2500 m Höhe 30. Juli 1897 7 ^a		18h.	Luftdruck 18. Juni 1902 7 ^a
Taf. 37.	13n.	Luftdruck in 2500 m Höhe 31. Juli 1897 7 ^a	Taf. 46.	18i.	Luftdruck 19. Juni 1902 7 ^a
	13o.	Temperatur 27. Juli 1897 7 ^a		18k.	Luftdruck 19. Juni 1902 9 ^e
	13p.	Temperatur 28. Juli 1897 7 ^a		18l.	Luftdruck 20. Juni 1902 7 ^a
	13q.	Temperatur 29. Juli 1897 7 ^a		18m.	Luftdruck 24. Juni 1902 7 ^a
	13r.	Temperatur 30. Juli 1897 7 ^a		18n.	Temperatur 14. Juni 1902 7 ^a
	14a.	Luftdruck 3. Mai 1899 7 ^a		18o.	Temperatur 15. Juni 1902 7 ^a
Taf. 38.	14b.	Luftdruck 4. Mai 1899 7 ^a	Taf. 47.	18p.	Temperatur 16. Juni 1902 7 ^a
	14c.	Luftdruck 5. Mai 1899 7 ^a		18q.	Temperatur 17. Juni 1902 7 ^a
	14d.	Luftdruck 5. Mai 1899 9 ^e		19a.	Luftdruck 6. Juli 1903 7 ^a
	14e.	Luftdruck 6. Mai 1899 7 ^a		19b.	Luftdruck 7. Juli 1903 7 ^a
	14f.	Luftdruck 7. Mai 1899 7 ^a		19c.	Luftdruck 7. Juli 1903 9 ^e
	14g.	Luftdruck 8. Mai 1899 7 ^a		19d.	Luftdruck 8. Juli 1903 7 ^a
Taf. 39.	14h.	Luftdruck 9. Mai 1899 7 ^a	Taf. 48.	19e.	Luftdruck 8. Juli 1903 9 ^e
	14i.	Luftdruck 10. Mai 1899 7 ^a		19f.	Luftdruck 9. Juli 1903 7 ^a
	14k.	Luftdruck 10. Mai 1899 9 ^e		19g.	Luftdruck 10. Juli 1903 7 ^a
	14l.	Temperatur 4. Mai 1899 7 ^a		19h.	Luftdruck 11. Juli 1903 7 ^a
	14m.	Temperatur 5. Mai 1899 7 ^a		19i.	Luftdruck in 2500 m Höhe 6. Juli 1903 7 ^a
	14n.	Temperatur 6. Mai 1899 7 ^a		19k.	Luftdruck in 2500 m Höhe 7. Juli 1903 7 ^a
Taf. 40.	15a.	Luftdruck 24. Mai 1899 7 ^a	Taf. 49.	19l.	Luftdruck in 2500 m Höhe 8. Juli 1903 7 ^a
	15b.	Luftdruck 25. Mai 1899 7 ^a		19m.	Luftdruck in 2500 m Höhe 9. Juli 1903 7 ^a
	15c.	Luftdruck 25. Mai 1899 9 ^e		19n.	Luftdruck in 2500 m Höhe 10. Juli 1903 7 ^a
	15d.	Luftdruck 26. Mai 1899 7 ^a		19o.	Luftdruck in 2500 m Höhe 11. Juli 1903 7 ^a
	15e.	Luftdruck 26. Mai 1899 9 ^e		19p.	Temperatur 7. Juli 1903 7 ^a
	16a.	Luftdruck 8. September 1899 7 ^a		19q.	Temperatur 8. Juli 1903 7 ^a
Taf. 41.	16b.	Luftdruck 8. September 1899 9 ^e	Taf. 50.	19r.	Temperatur 9. Juli 1903 7 ^a
	16c.	Luftdruck 9. September 1899 7 ^a		19a.	Temperatur 10. Juli 1903 7 ^a
	16d.	Luftdruck 10. September 1899 7 ^a		20a.	Luftdruck 13. Juli 1907 8 ^a
	16e.	Luftdruck 10. September 1899 9 ^e		20b.	Luftdruck 14. Juli 1907 8 ^a
	16f.	Luftdruck 11. September 1899 7 ^a		20c.	Luftdruck 14. Juli 1907 9 ^e
	16g.	Luftdruck 11. September 1899 9 ^e		21a.	Luftdruck 16. August 1854 6 ^a
Taf. 42.	16h.	Luftdruck 12. September 1899 7 ^a	Taf. 51.	21b.	Luftdruck 17. August 1854 6 ^a
	16i.	Luftdruck 12. September 1899 9 ^e		21c.	Luftdruck 17. August 1854 10 ^e
	16k.	Luftdruck 13. September 1899 7 ^a		21d.	Luftdruck 18. August 1854 6 ^a
	16l.	Luftdruck 14. September 1899 7 ^a		21e.	Luftdruck 18. August 1854 2 ^e
	16m.	Temperatur 8. September 1899 7 ^a		21f.	Luftdruck 18. August 1854 10 ^e
	16n.	Temperatur 9. September 1899 7 ^a		21g.	Luftdruck 19. August 1854 6 ^a
Taf. 43.	16o.	Temperatur 10. September 1899 7 ^a	Taf. 52.	21h.	Luftdruck 20. August 1854 6 ^a
	16p.	Temperatur 11. September 1899 7 ^a		21i.	Temperatur 16. August 1854 6 ^a
	16q.	Temperatur 12. September 1899 7 ^a		21k.	Temperatur 17. August 1854 6 ^a
	16r.	Temperatur 13. September 1899 7 ^a		21l.	Temperatur 18. August 1854 6 ^a
	17a.	Luftdruck 5. Oktober 1901 7 ^a		21m.	Temperatur 19. August 1854 6 ^a
	17b.	Luftdruck 6. Oktober 1901 7 ^a		21n.	Temperatur 20. August 1854 6 ^a

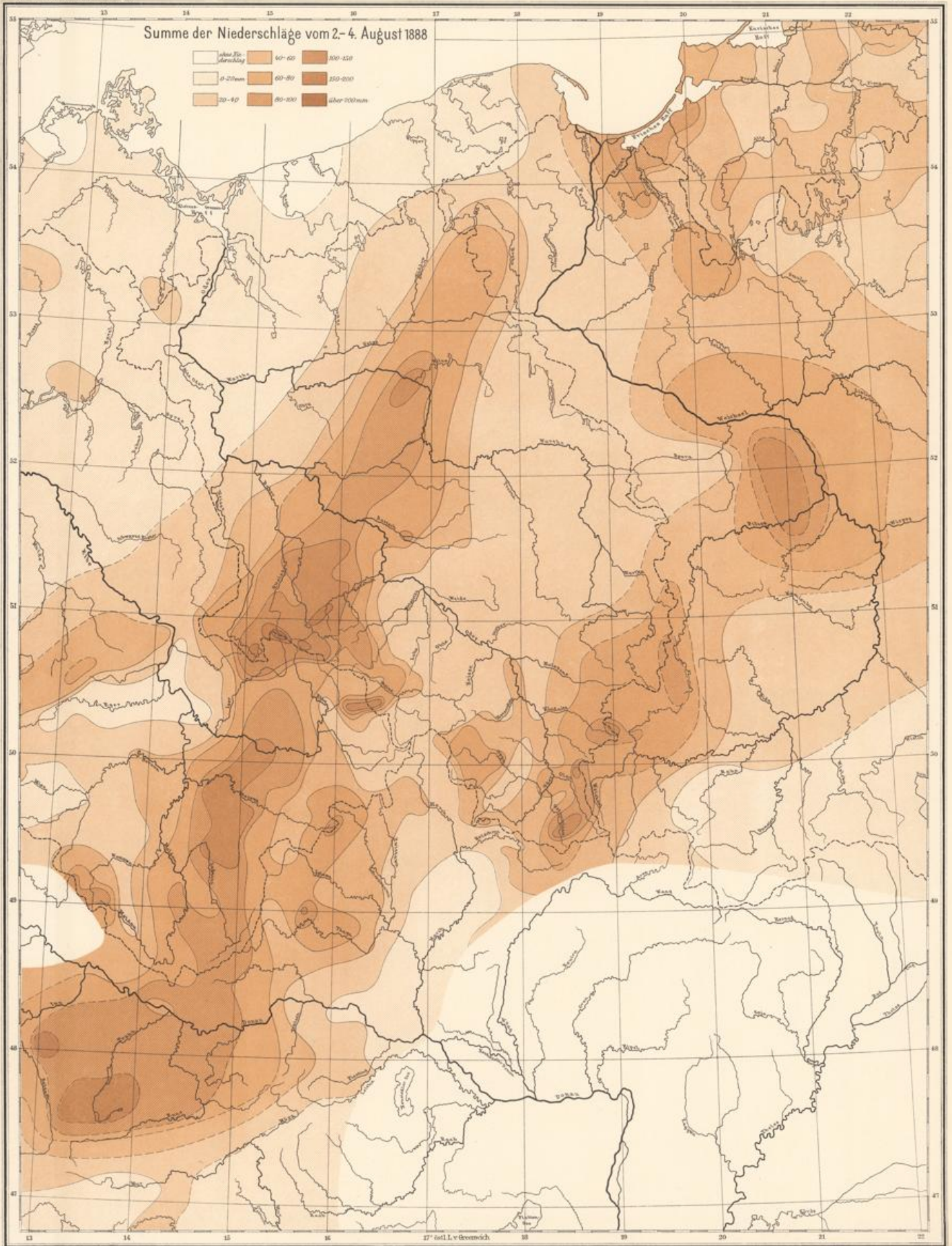
Isallobaren - Karten.

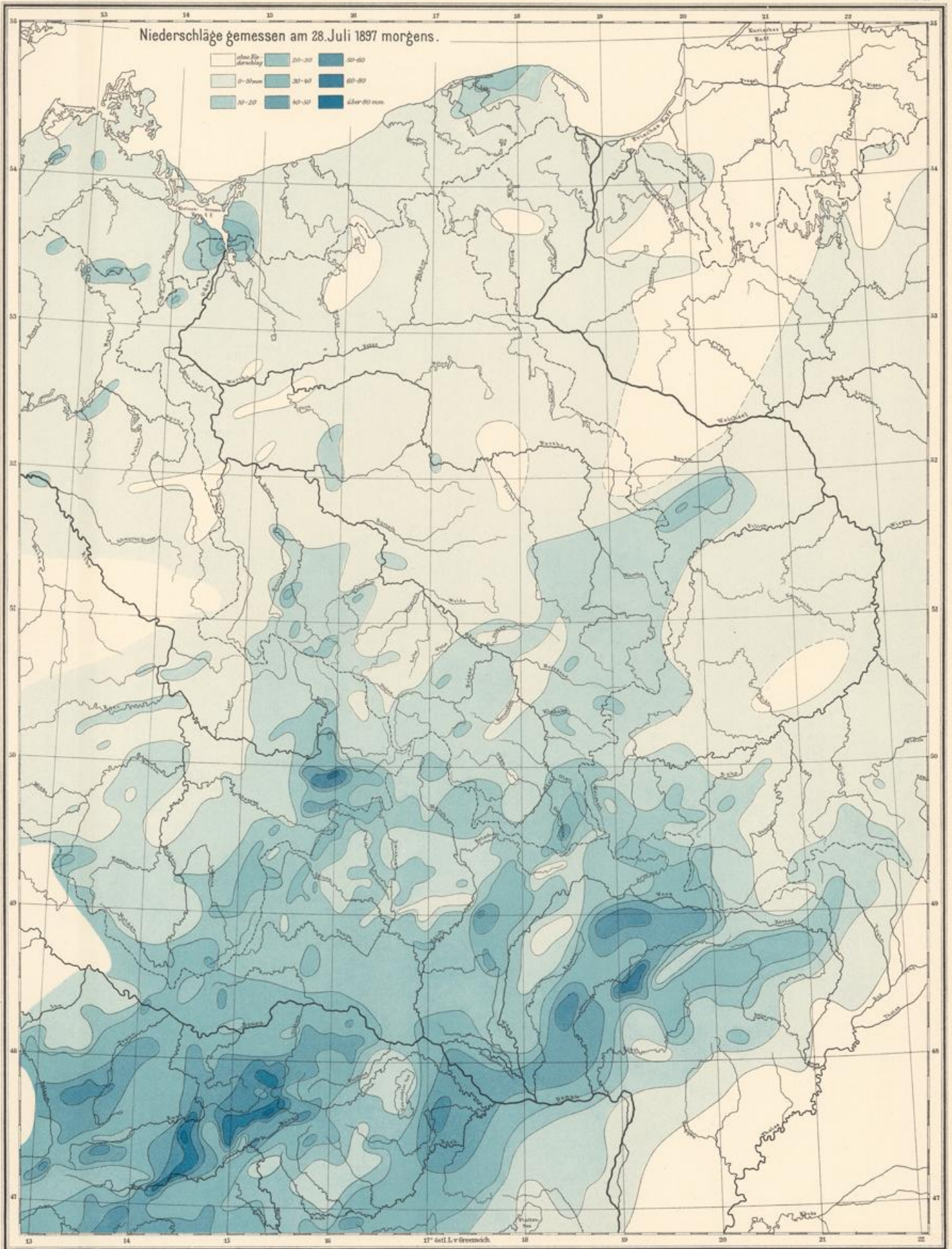
Taf. 53.	1a.	1894 14. März 7 ^a bis 9 ^e	Taf. 54.	2c.	1899 9. September 7 ^a bis 9 ^e
	1b.	1894 14. März 9 ^e bis 15. März 7 ^a		2d.	1899 9. September 9 ^e bis 10. September 7 ^a
	1c.	1894 15. März 7 ^a bis 9 ^e		2e.	1899 10. September 7 ^a bis 9 ^e
	1d.	1894 15. März 9 ^e bis 16. März 7 ^a		2f.	1899 10. September 9 ^e bis 11. September 7 ^a
	2a.	1899 8. September 7 ^a bis 9 ^e		2g.	1899 11. September 7 ^a bis 9 ^e
	2b.	1899 8. September 9 ^e bis 9. September 7 ^a		2h.	1899 11. September 9 ^e bis 12. September 7 ^a
Taf. 55.	2i.	1899 12. September 7 ^a bis 9 ^e			
	2k.	1899 12. September 9 ^e bis 13. September 7 ^a			
	3a.	1903 7. Juli 7 ^a bis 9 ^e			
	3b.	1903 7. Juli 9 ^e bis 8. Juli 7 ^a			
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	3d.	1903 8. Juli 9 ^e bis 9. Juli 7 ^a			

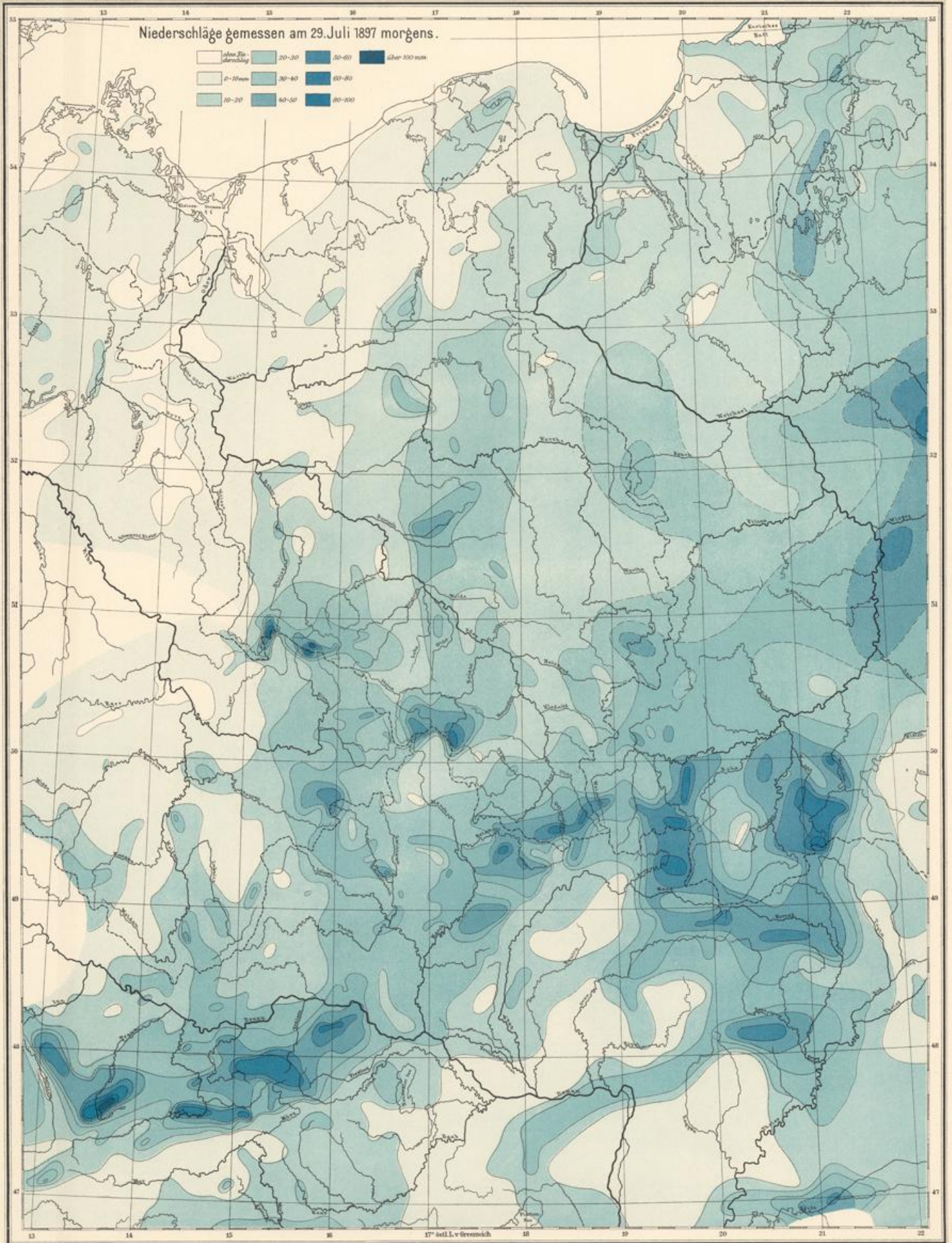


Niederschläge gemessen am 4. August 1888 morgens.

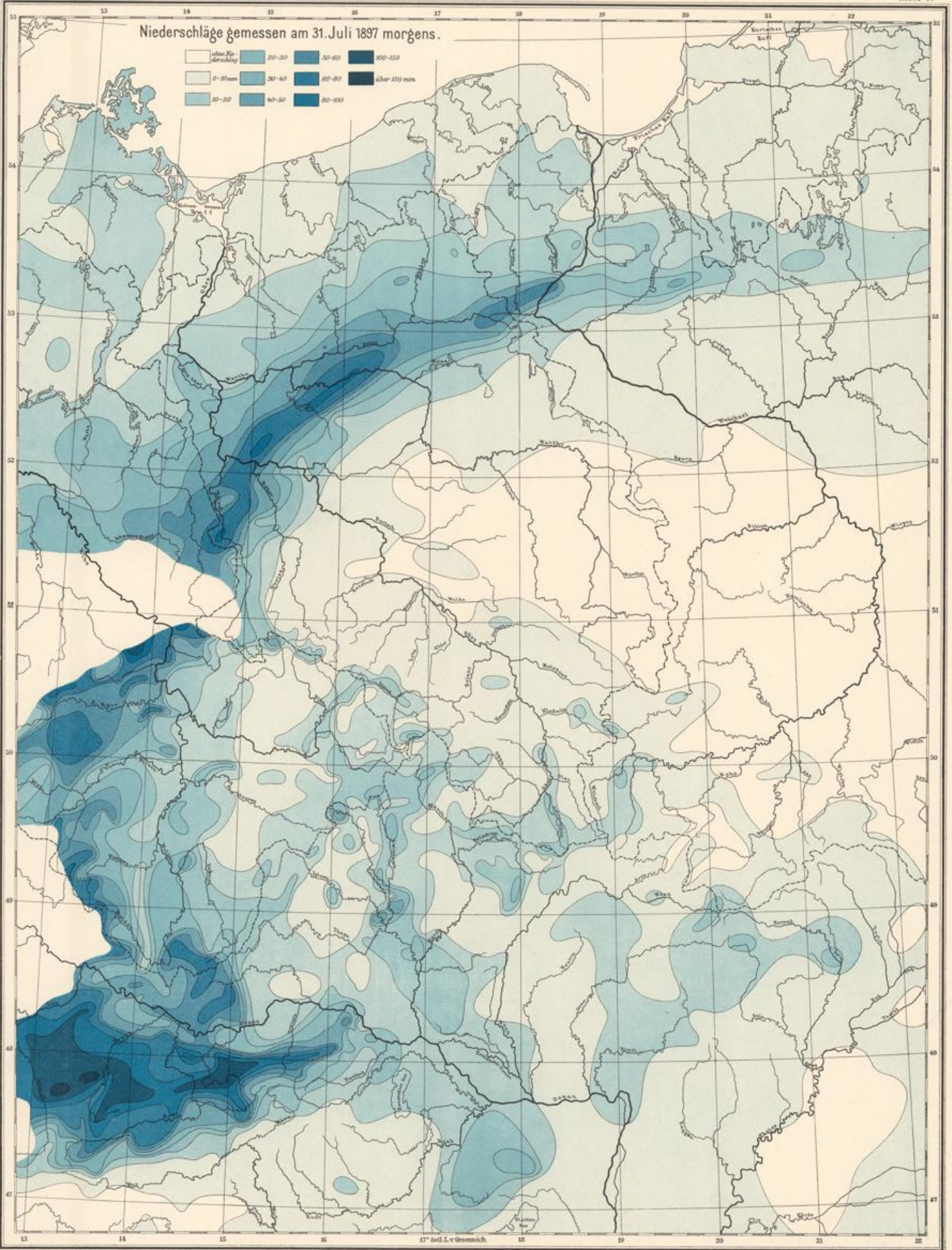
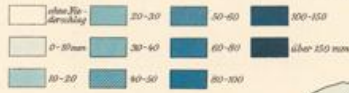


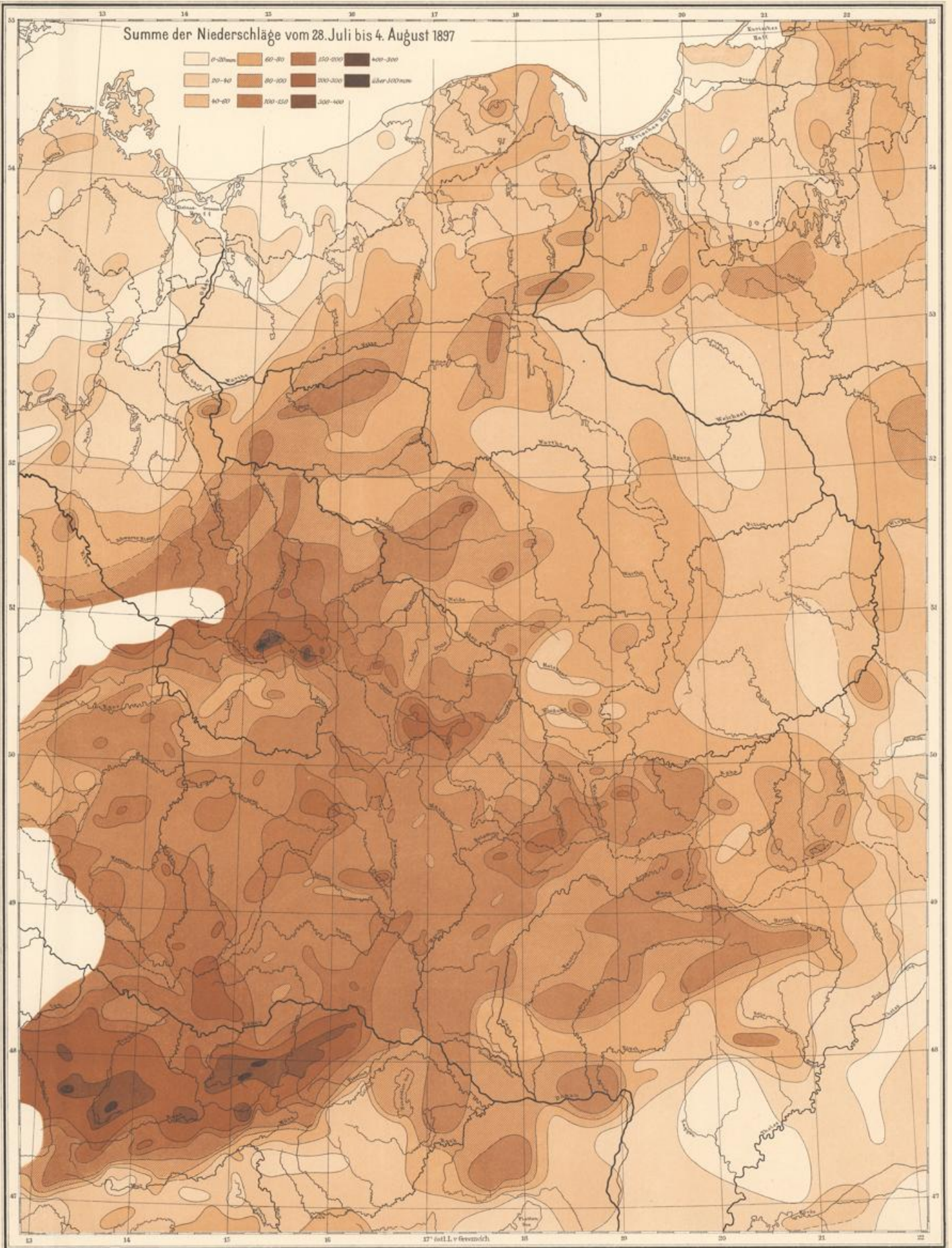


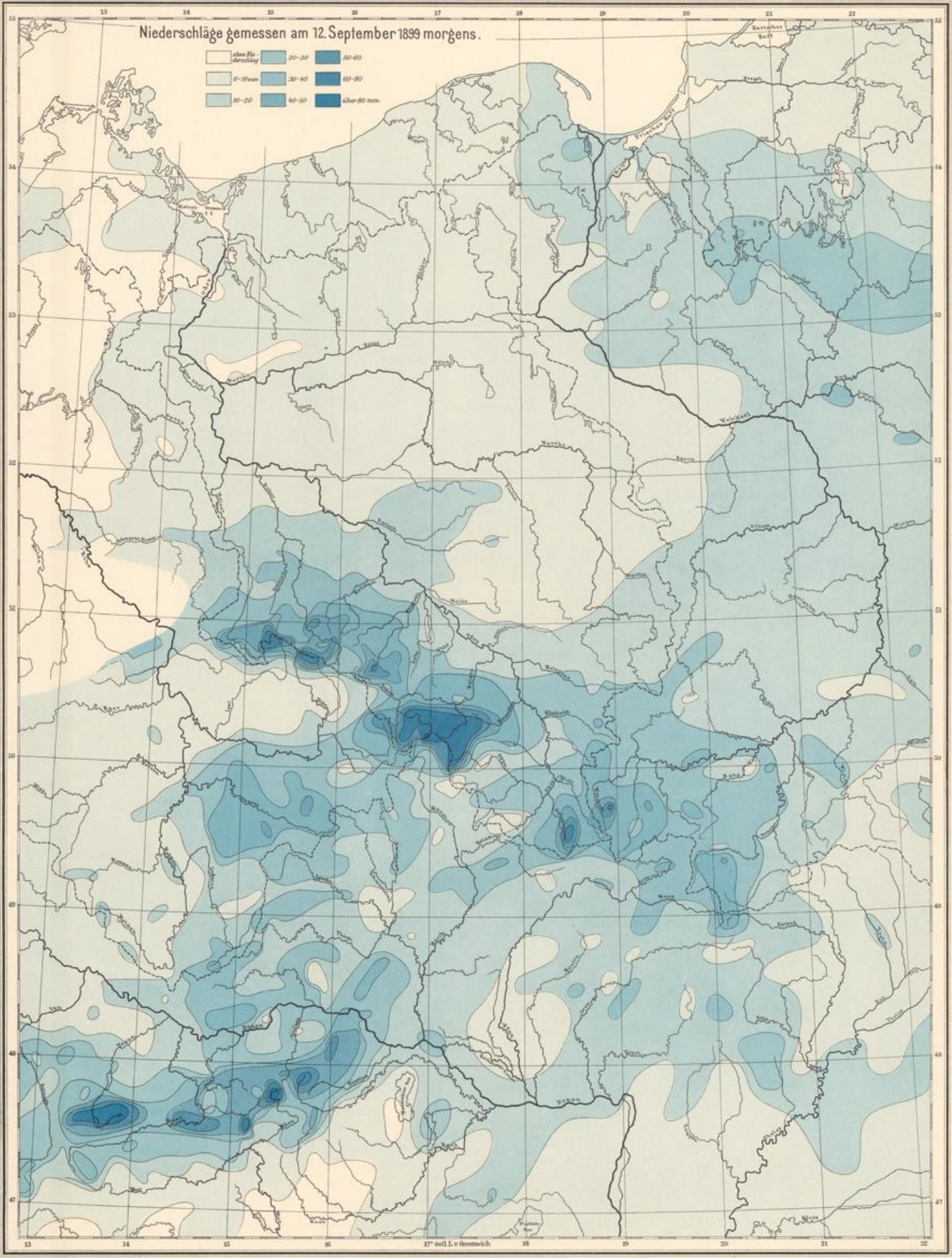


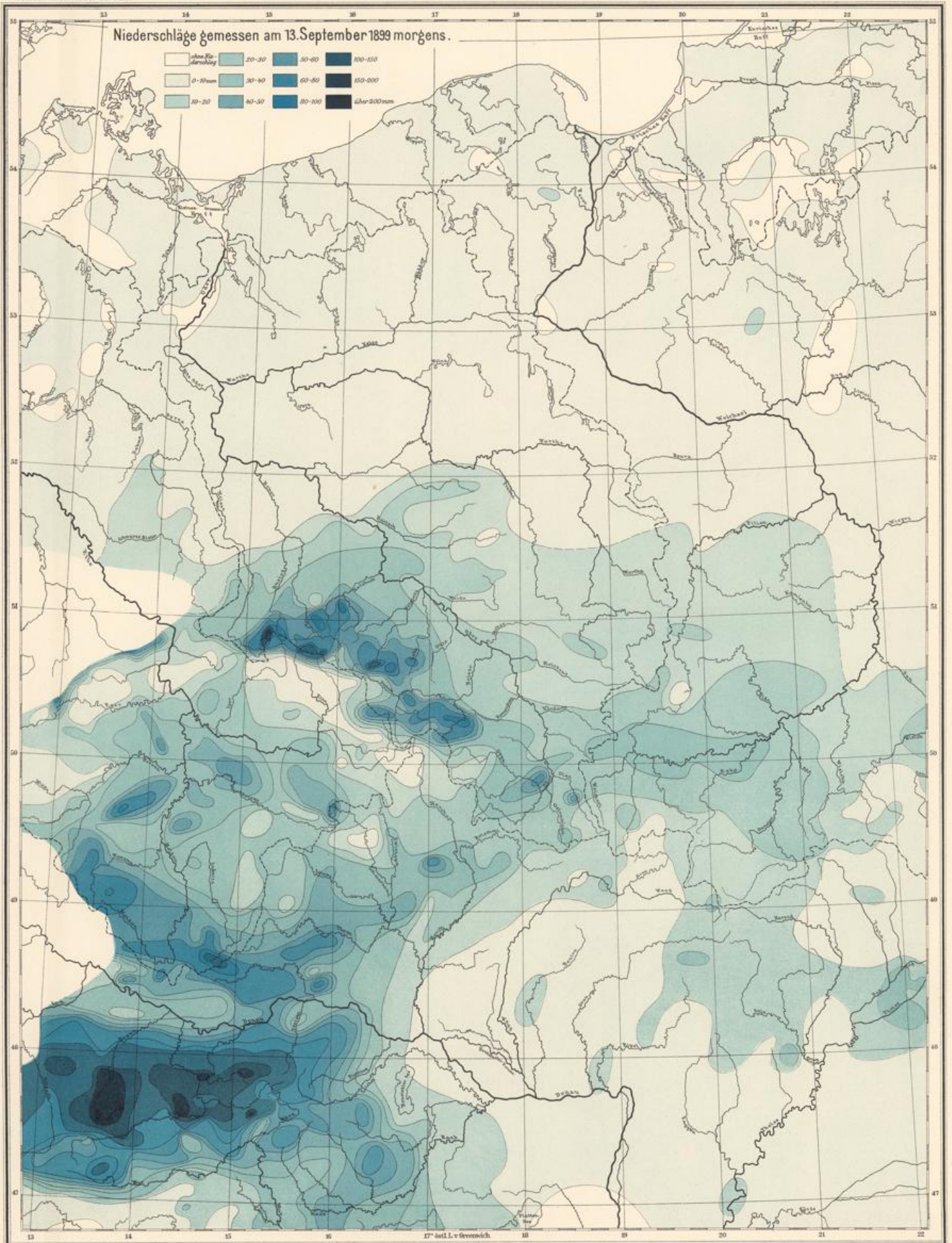


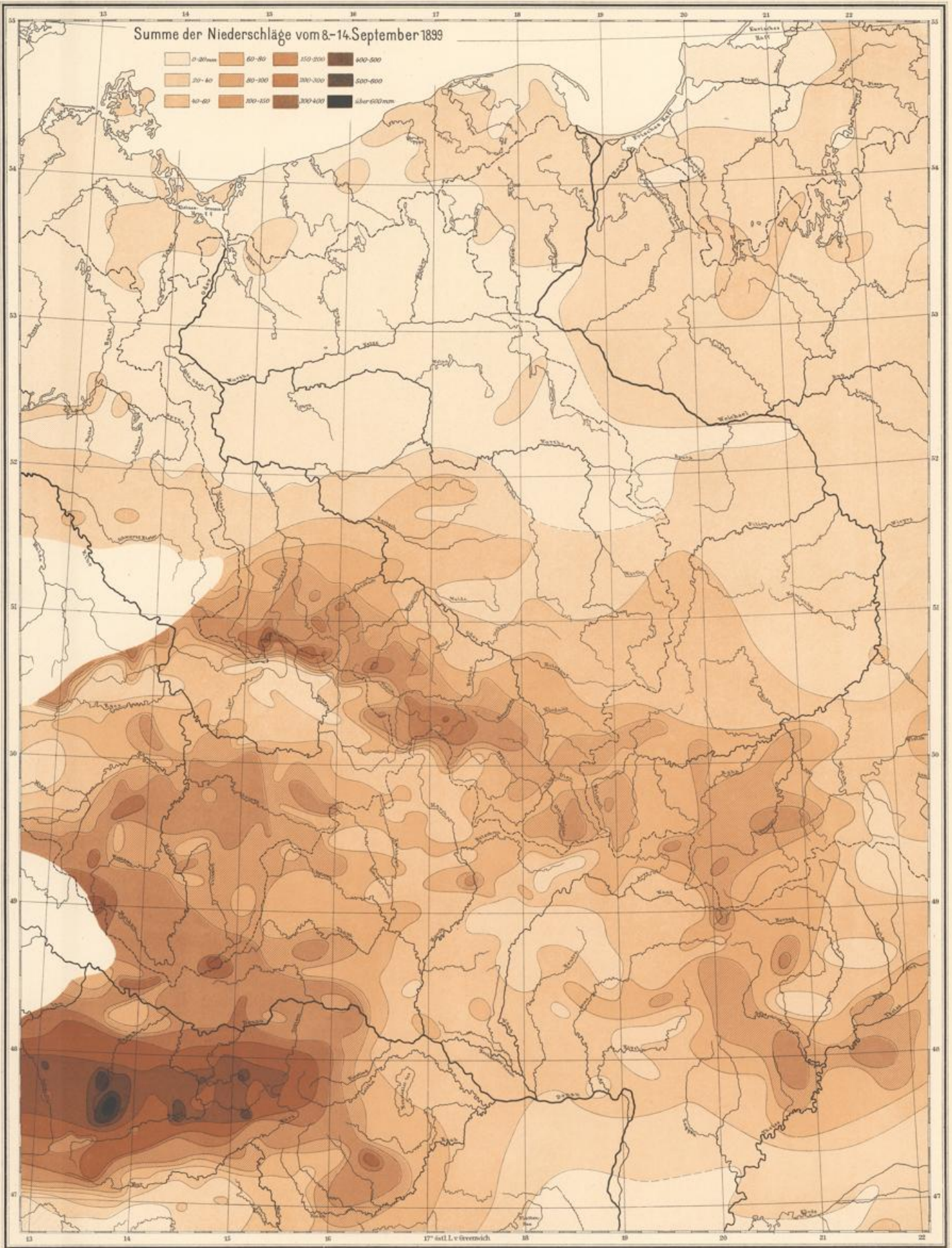
Niederschläge gemessen am 31. Juli 1897 morgens.

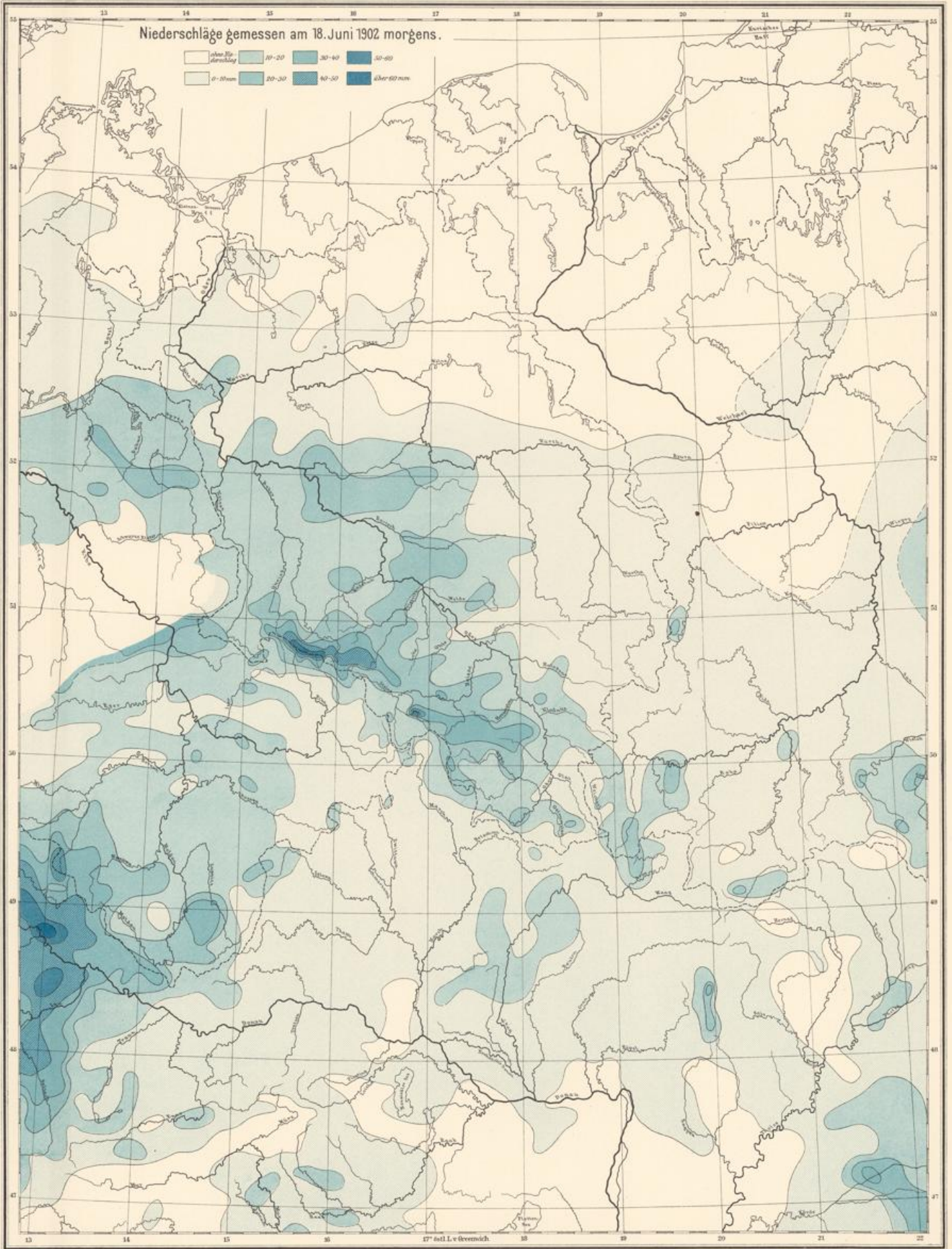


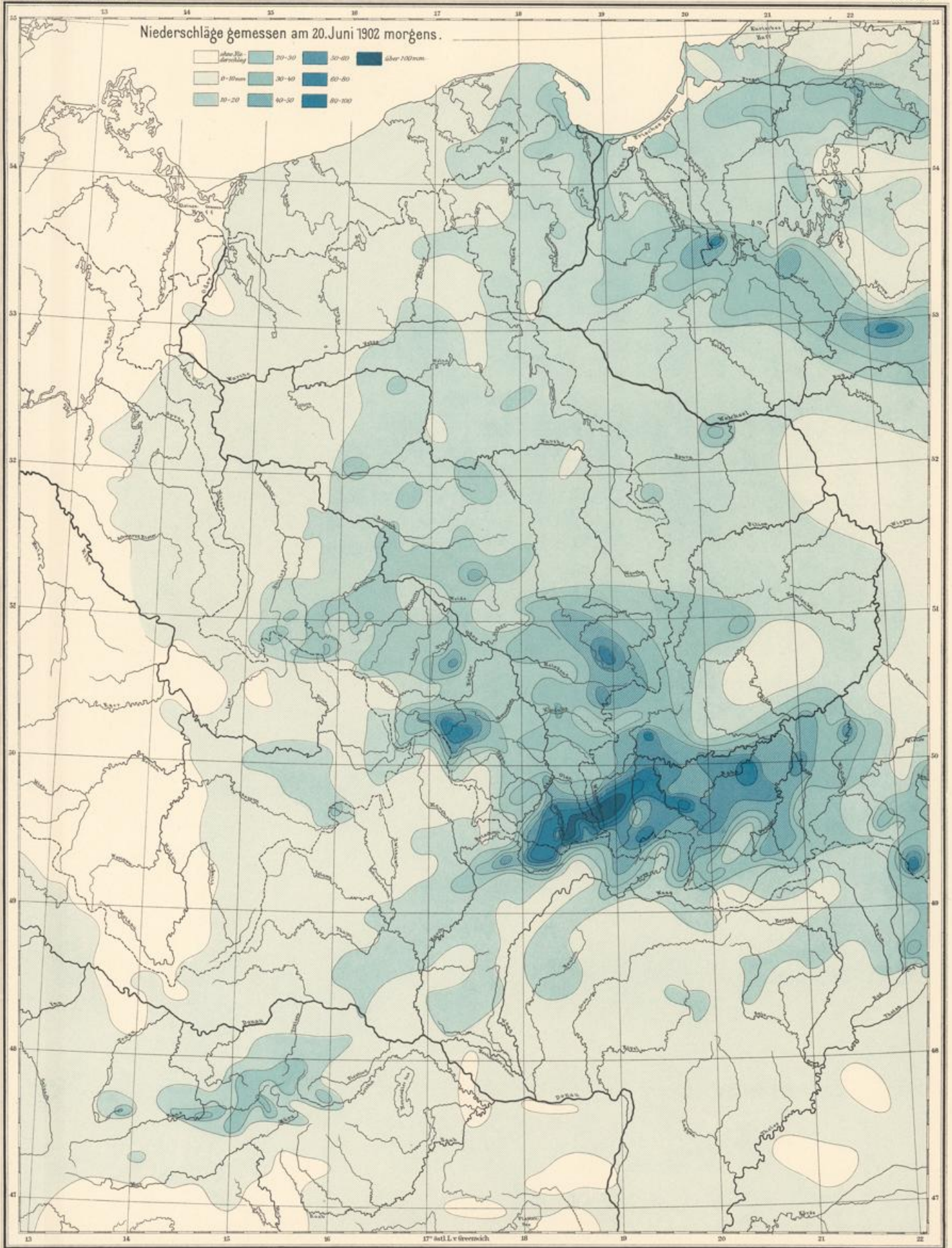


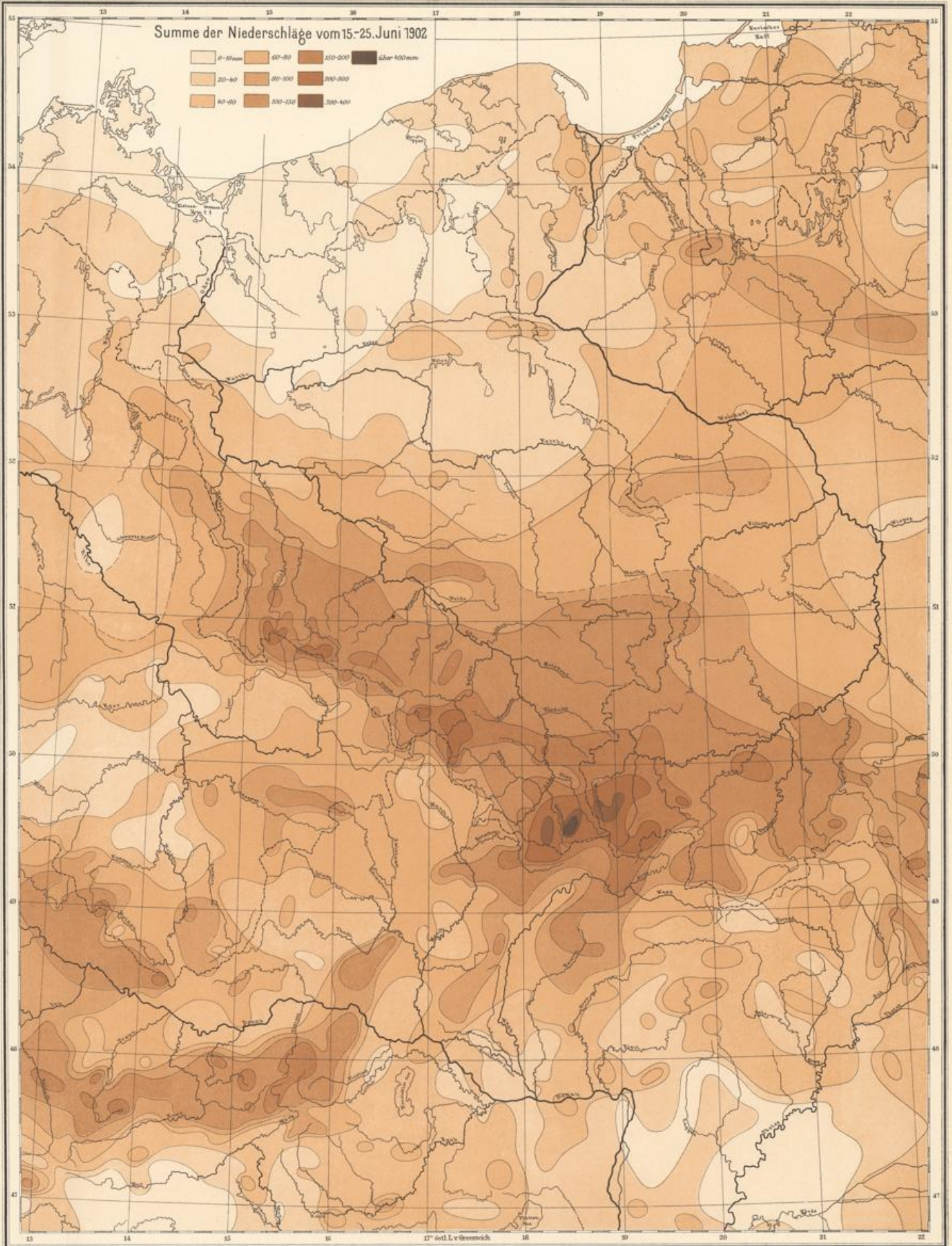


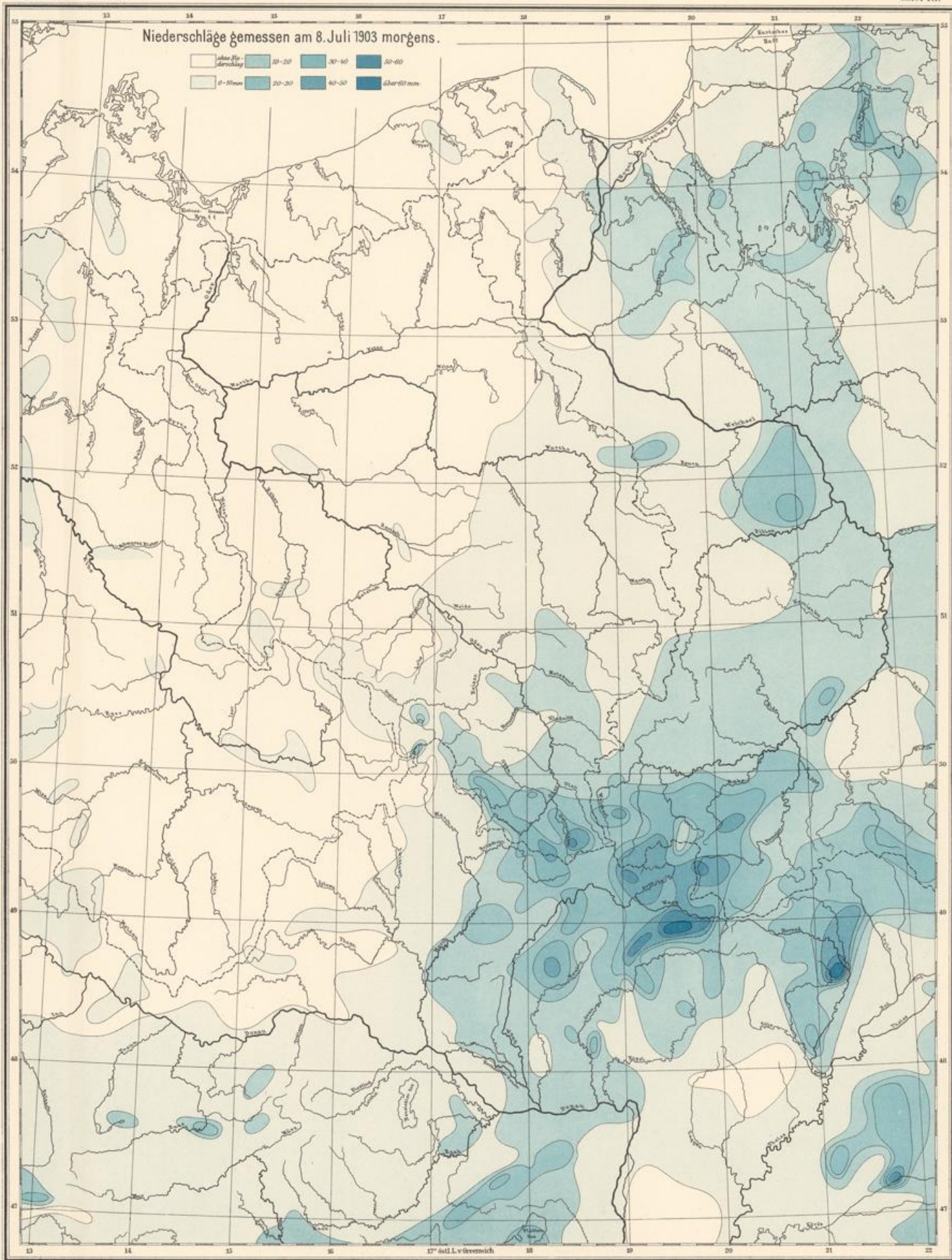


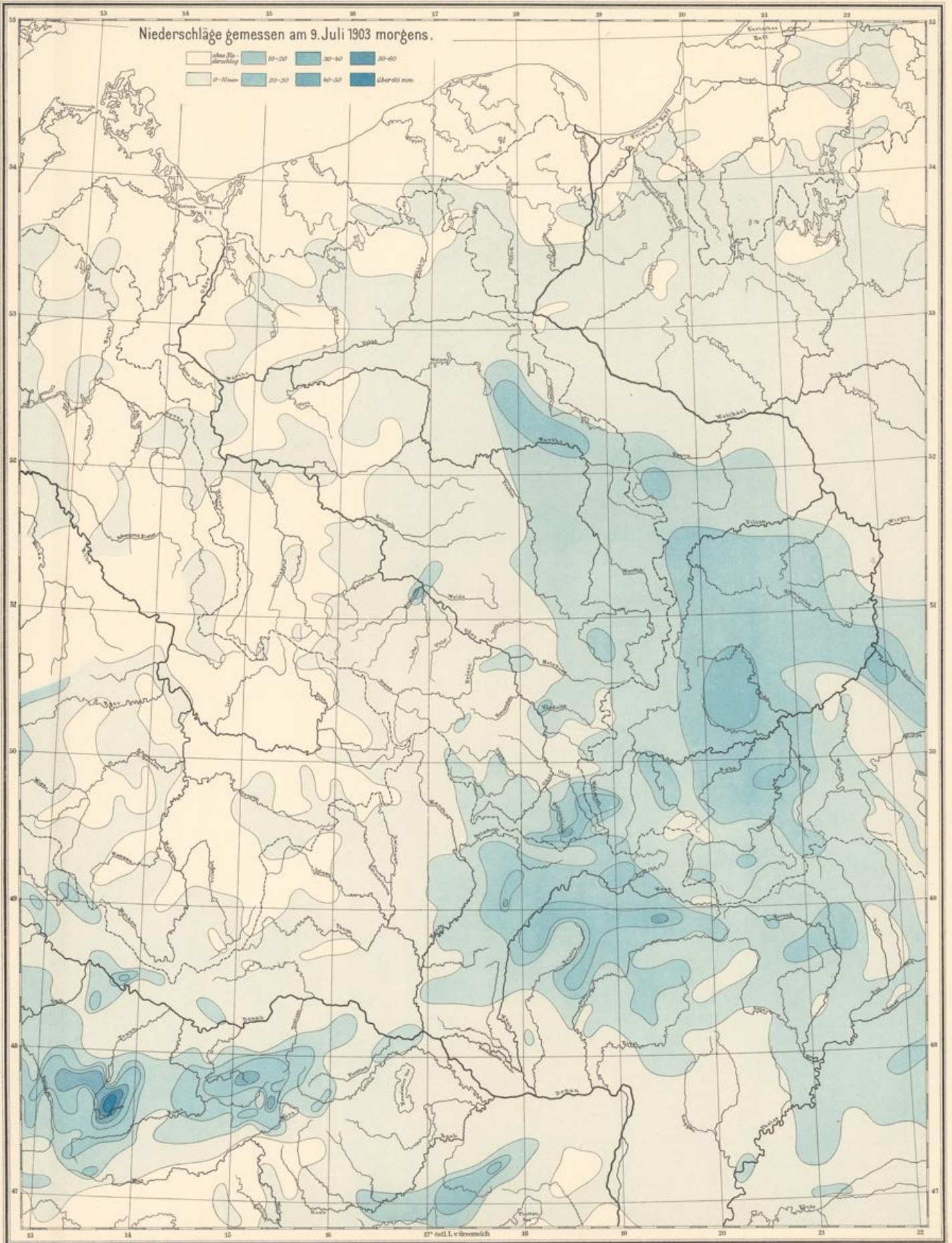


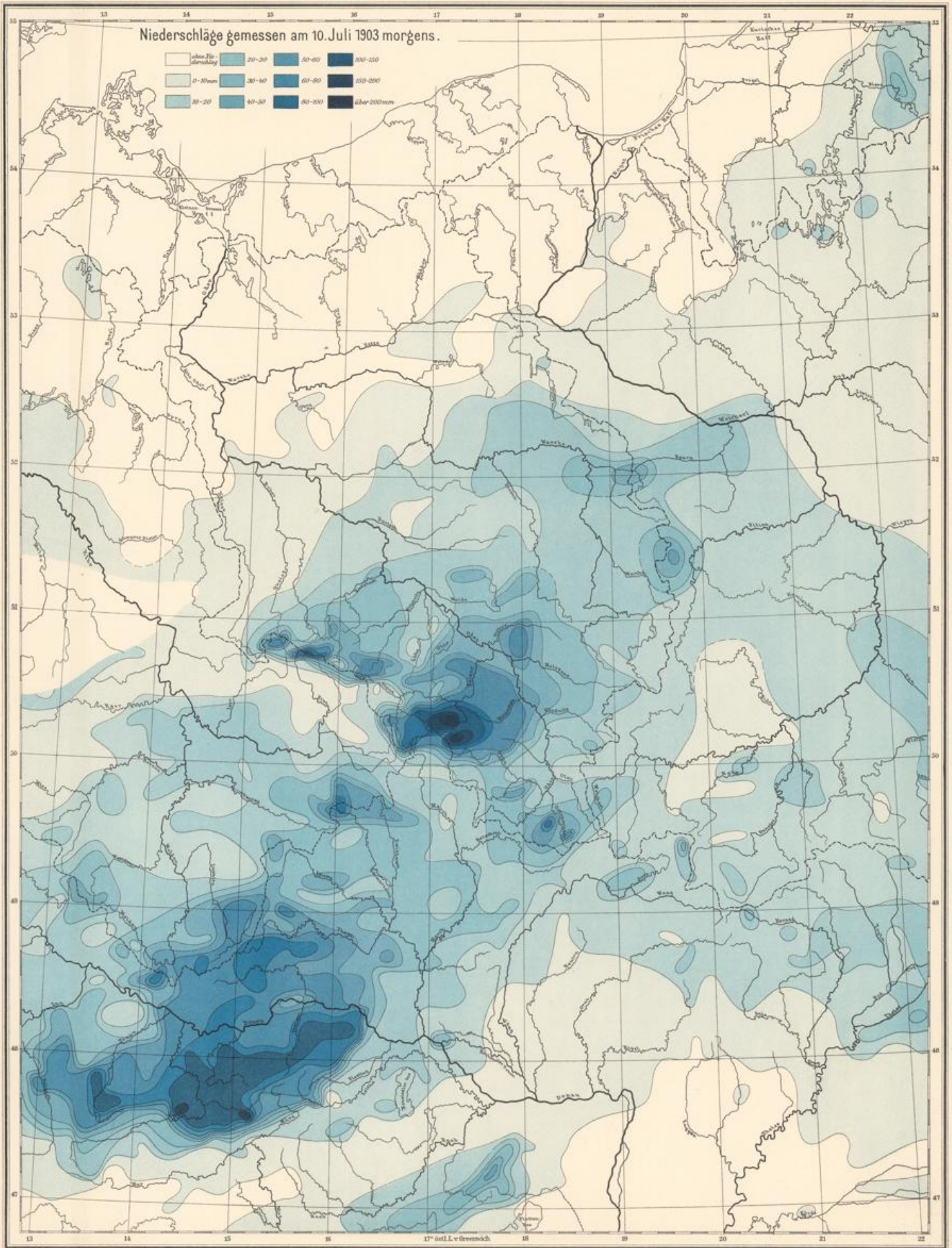


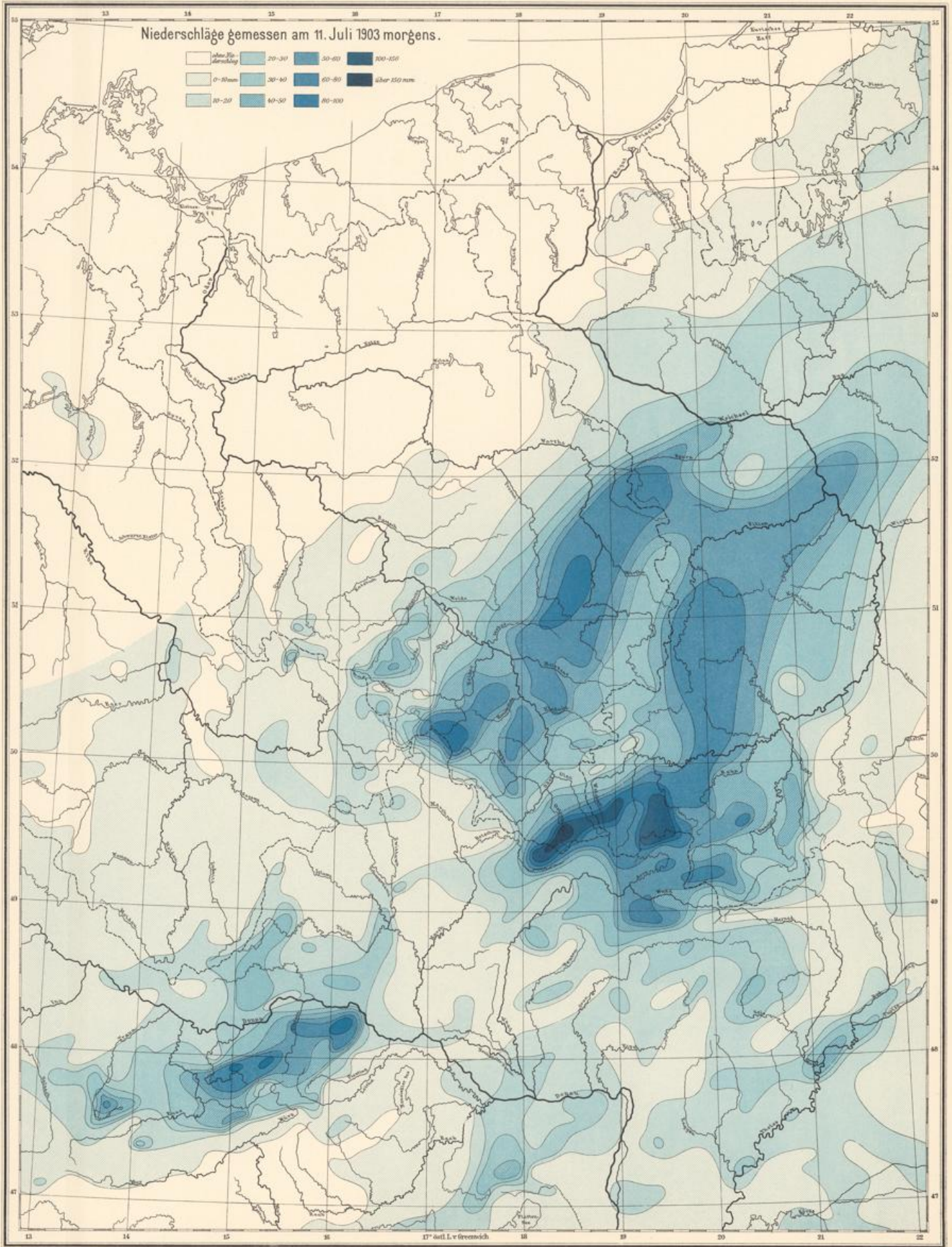




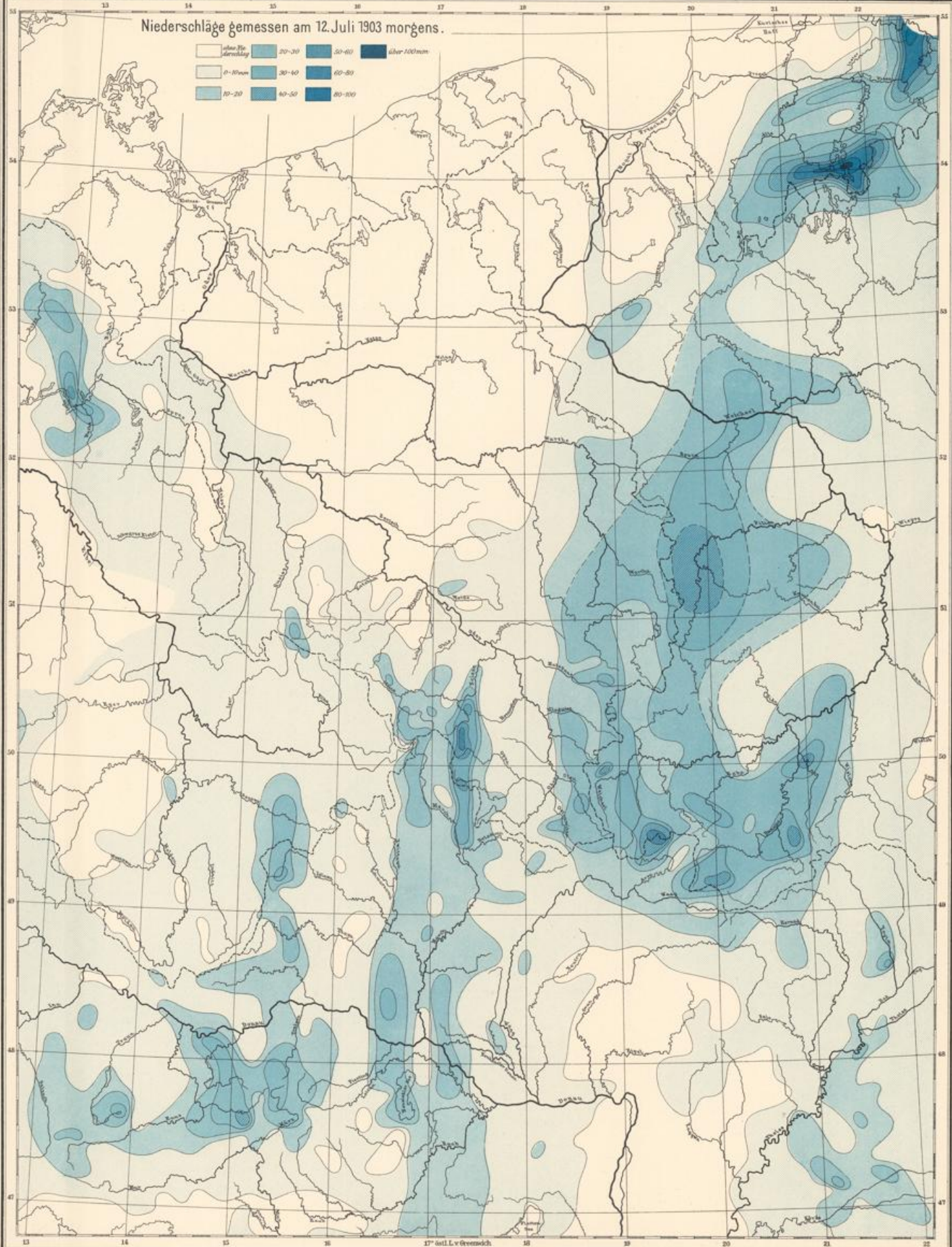
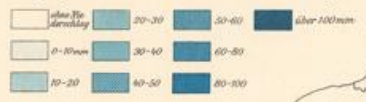


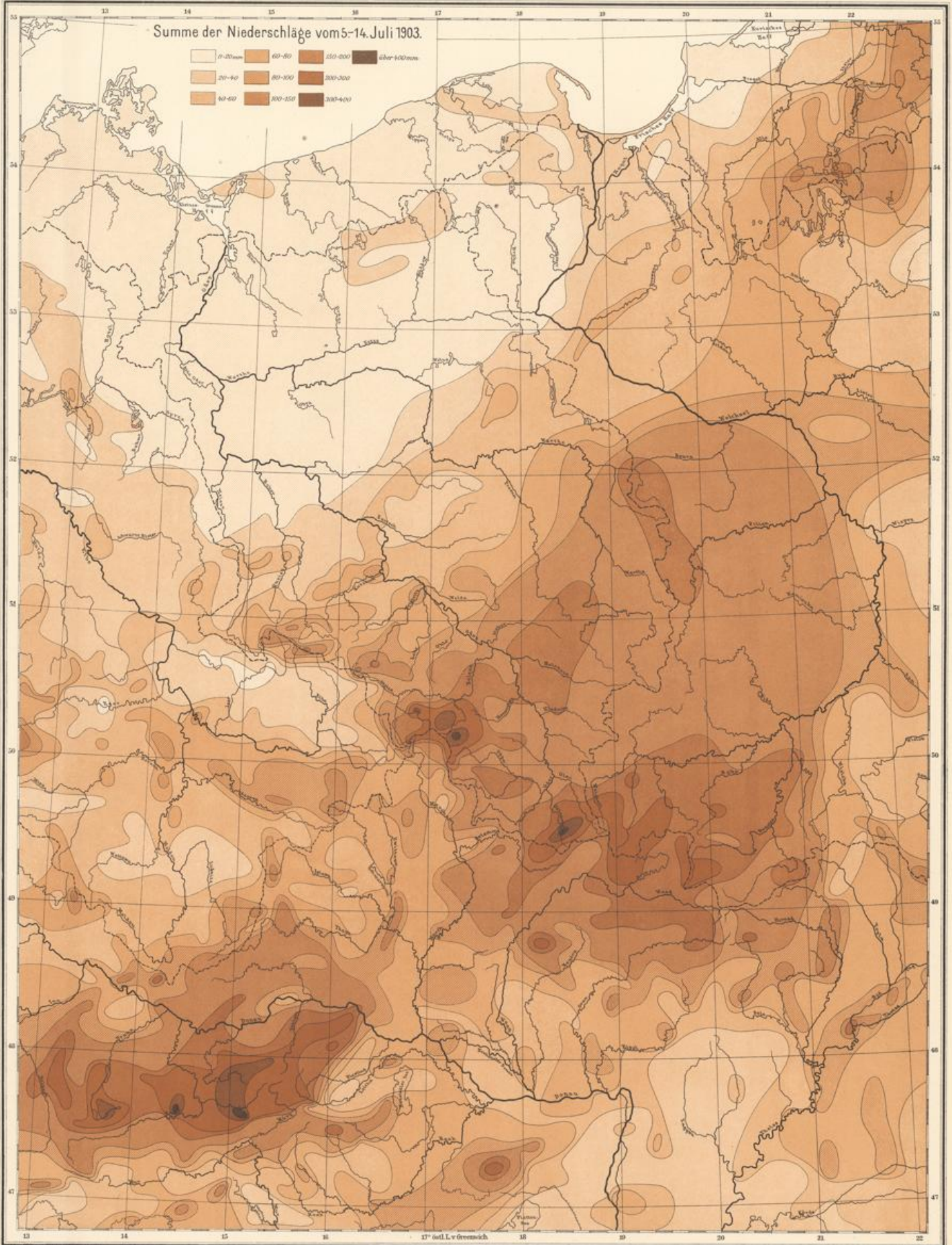


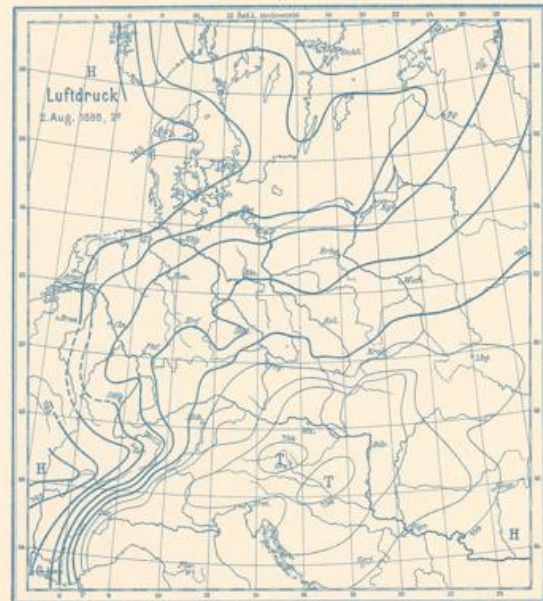
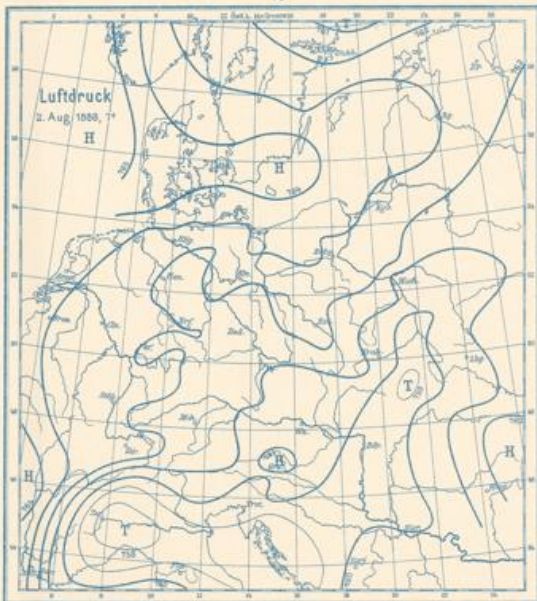
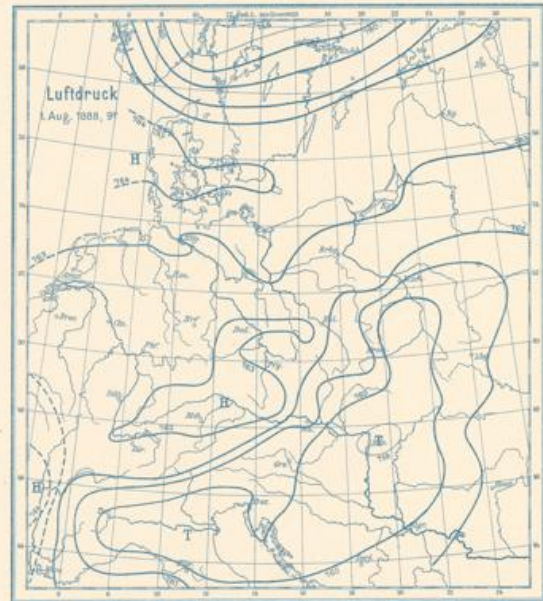
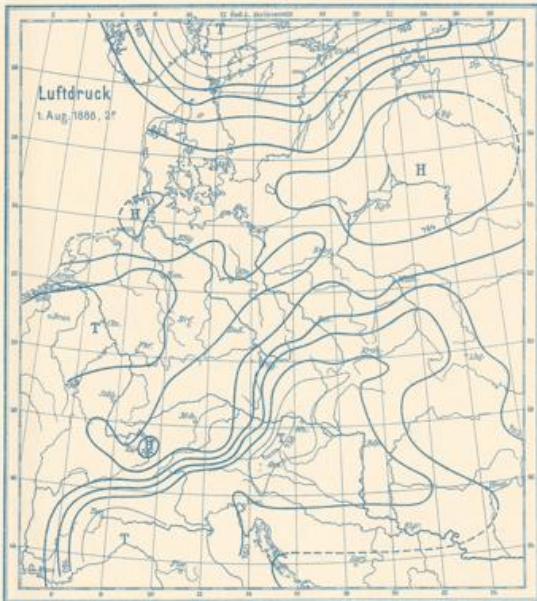
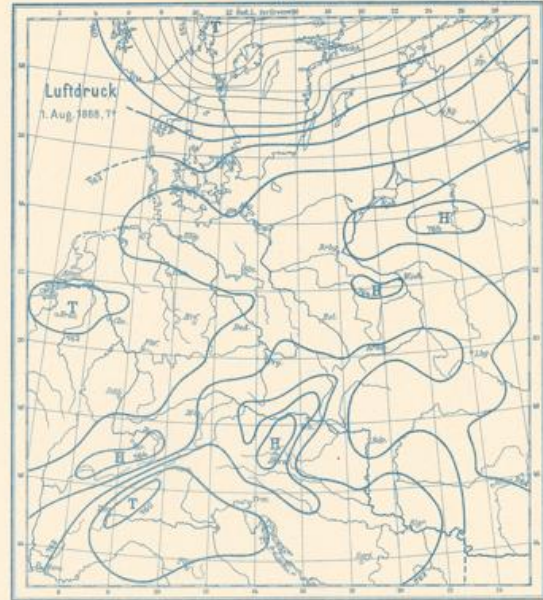
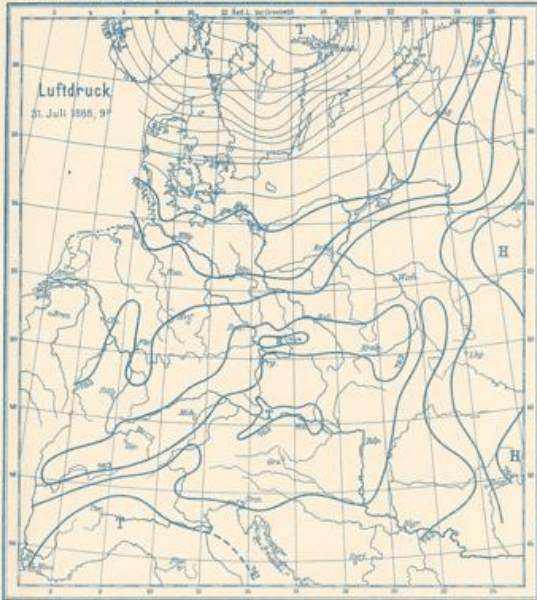


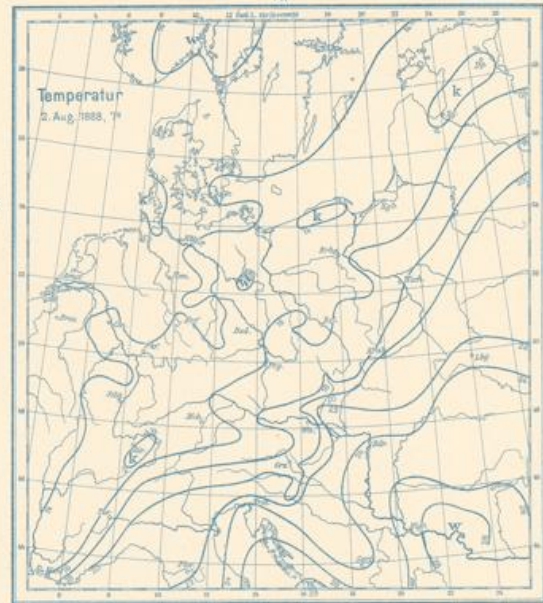
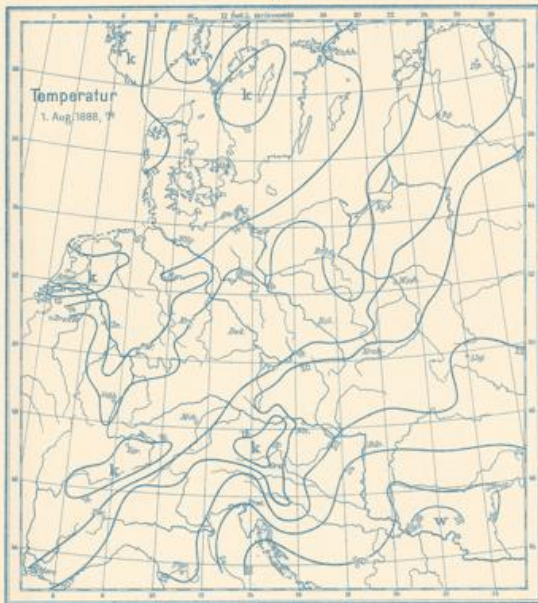
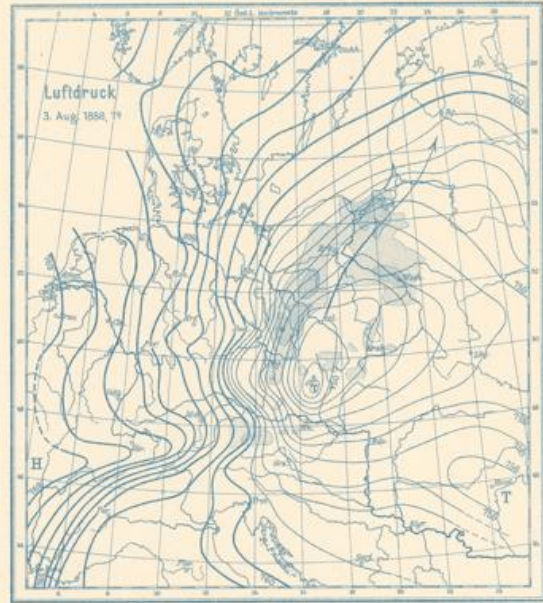
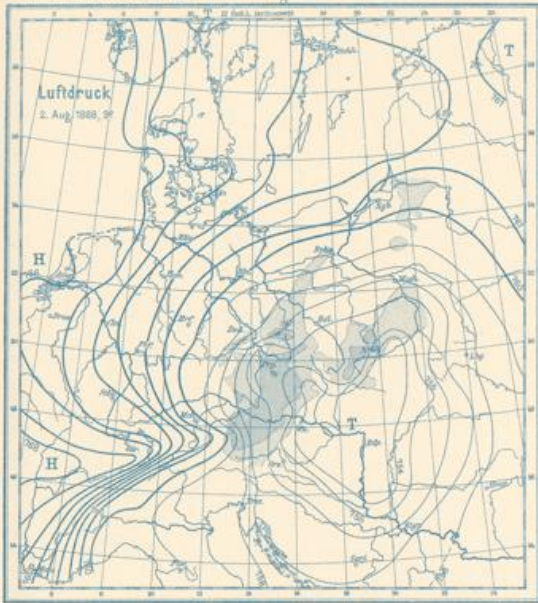


Niederschläge gemessen am 12. Juli 1903 morgens.

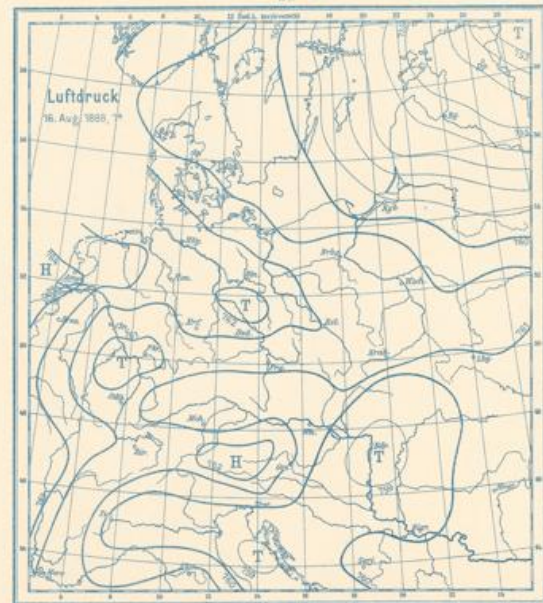


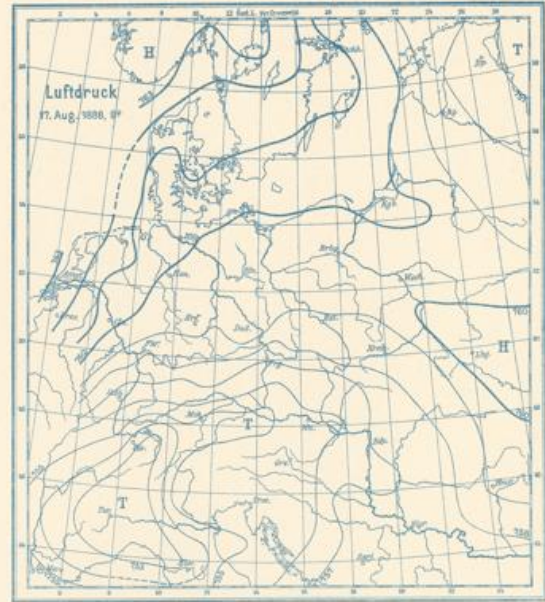
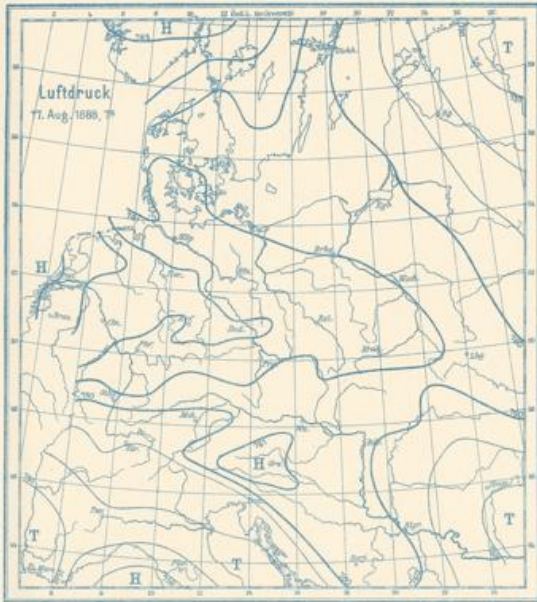




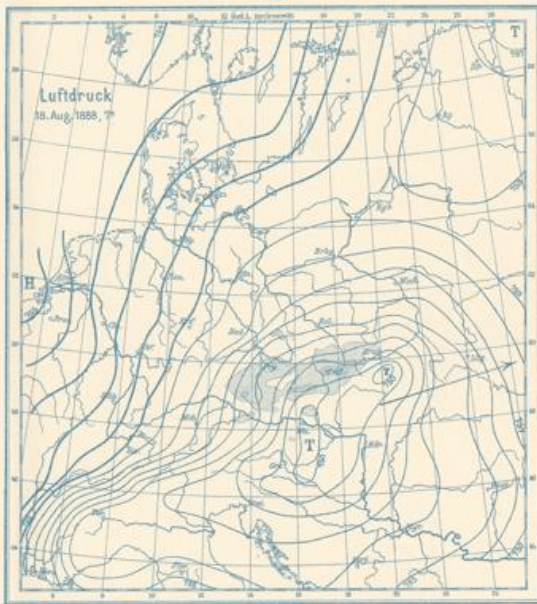


Niederschläge

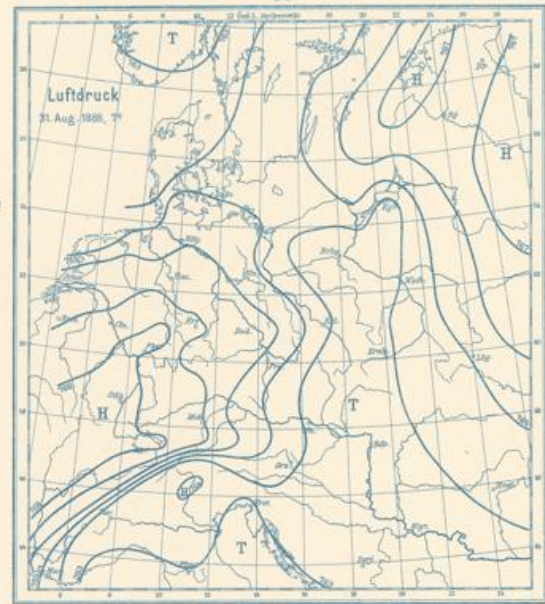




2d



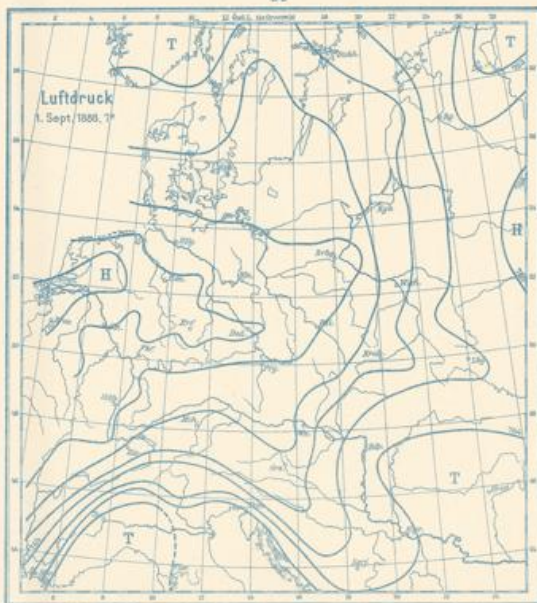
3a



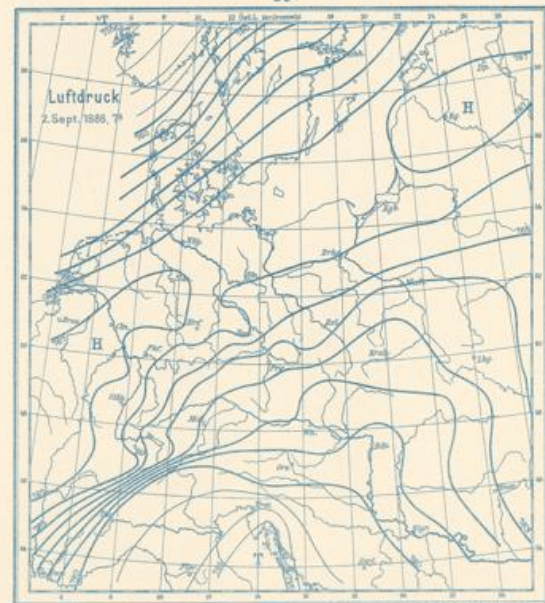
Niederschläge

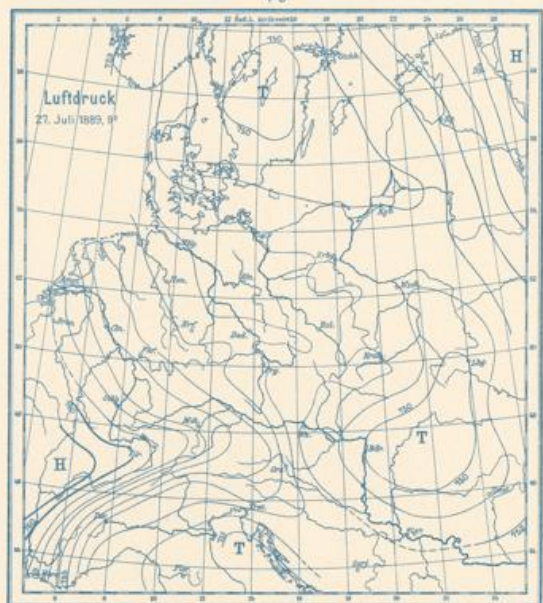
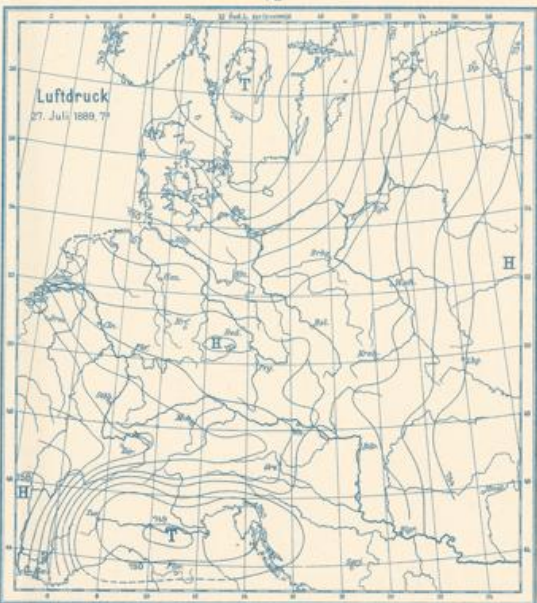
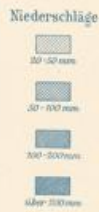
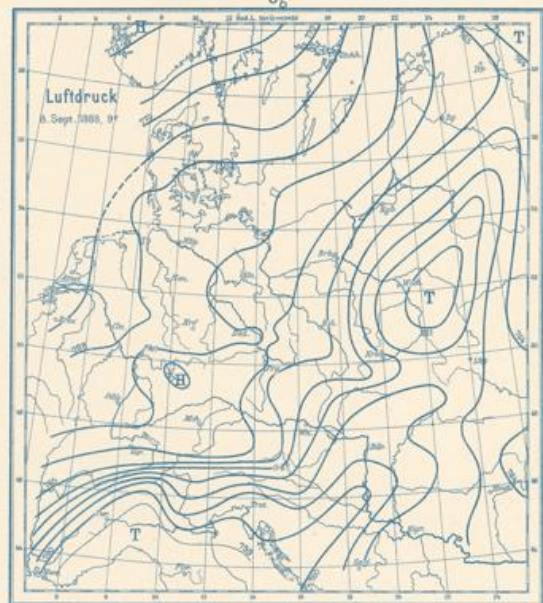
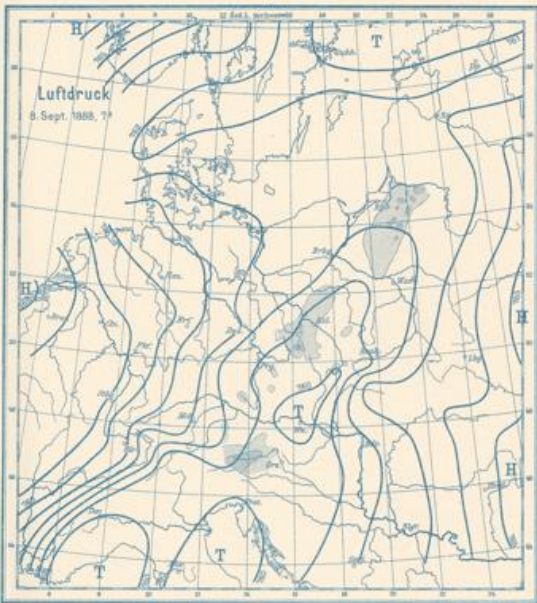
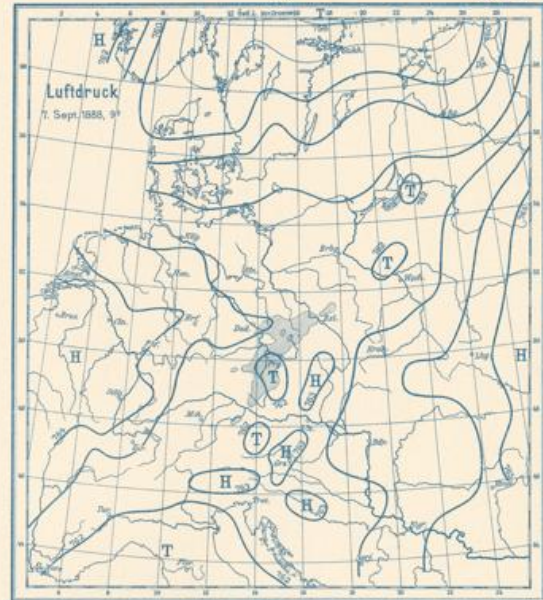
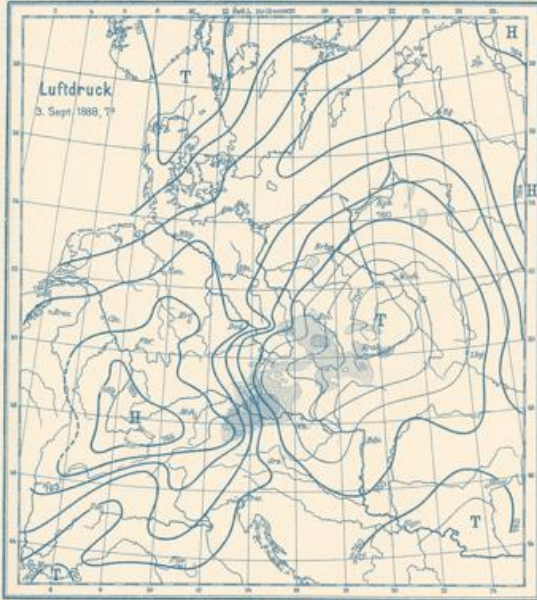


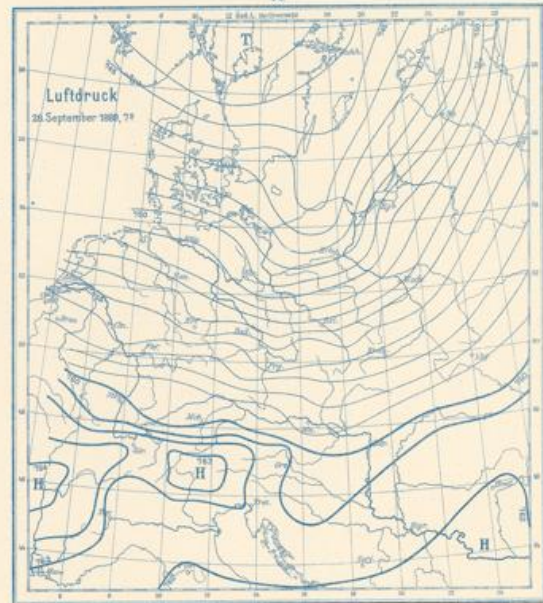
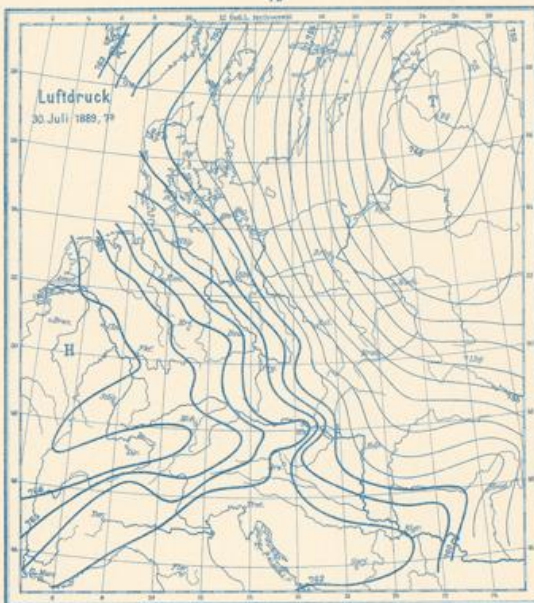
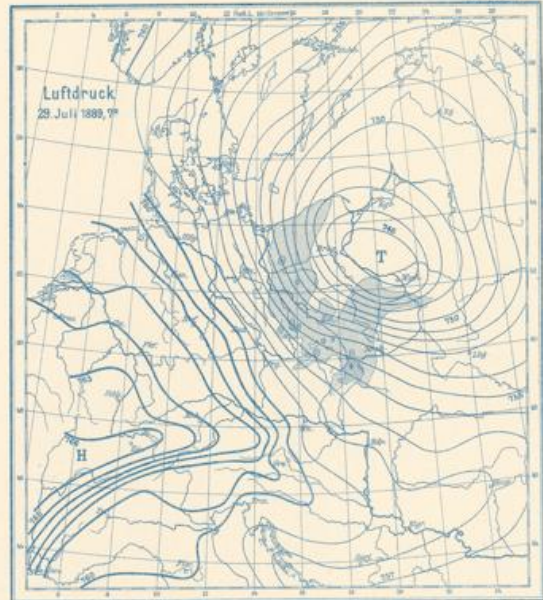
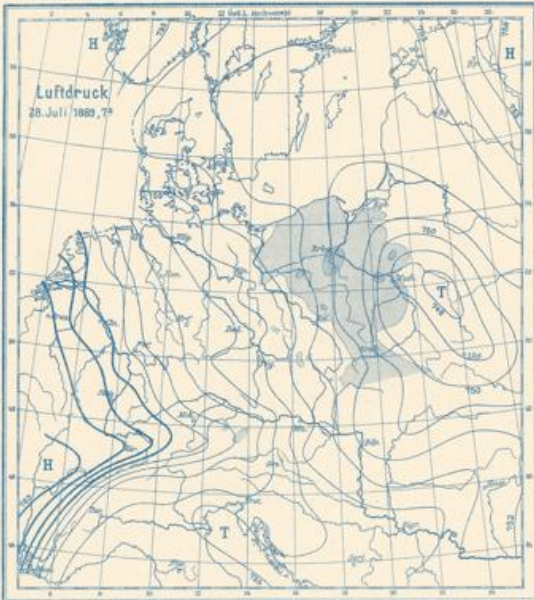
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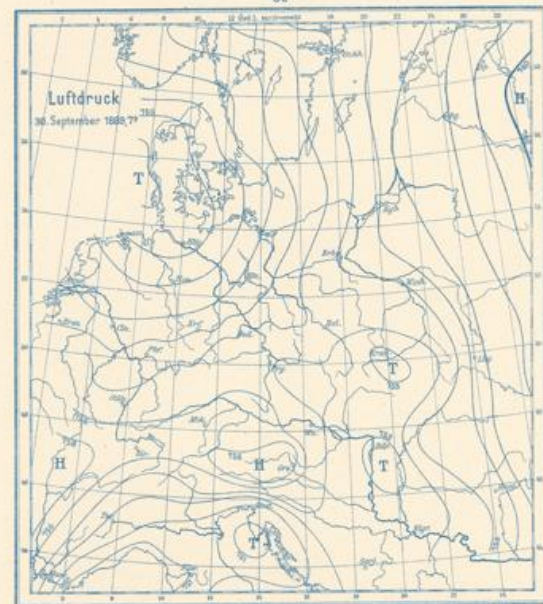
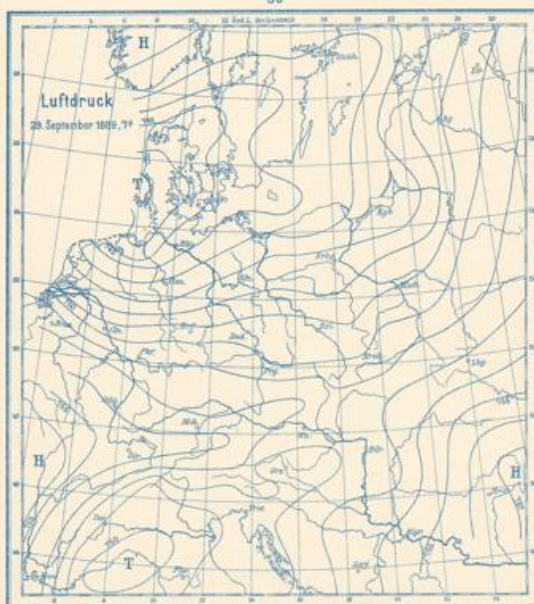
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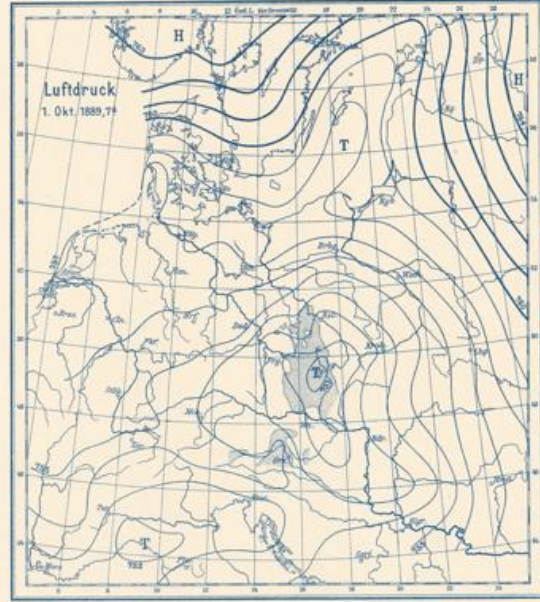
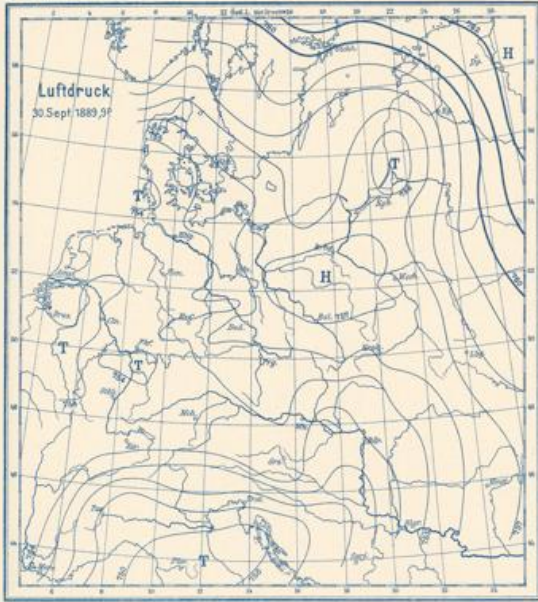




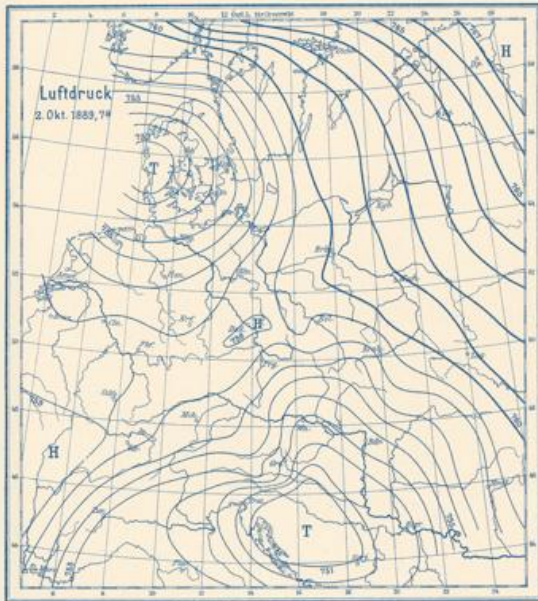


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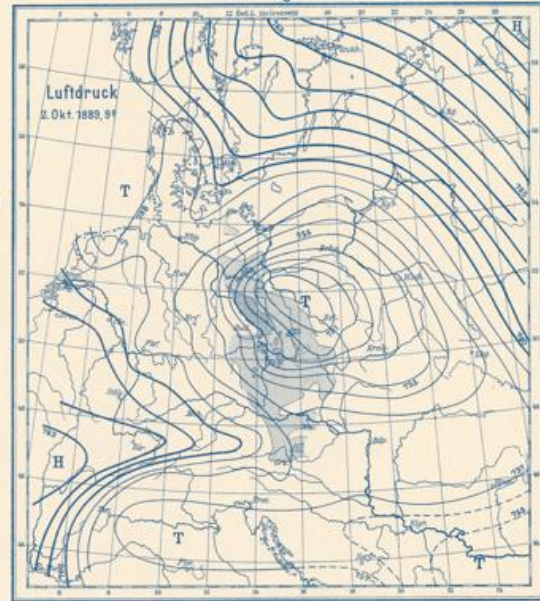




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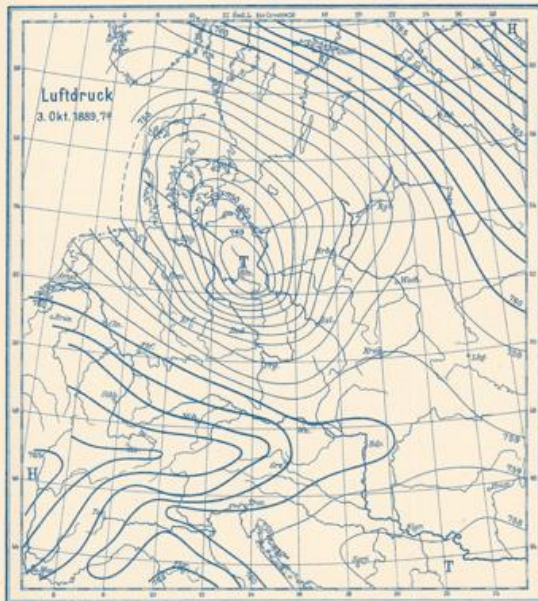
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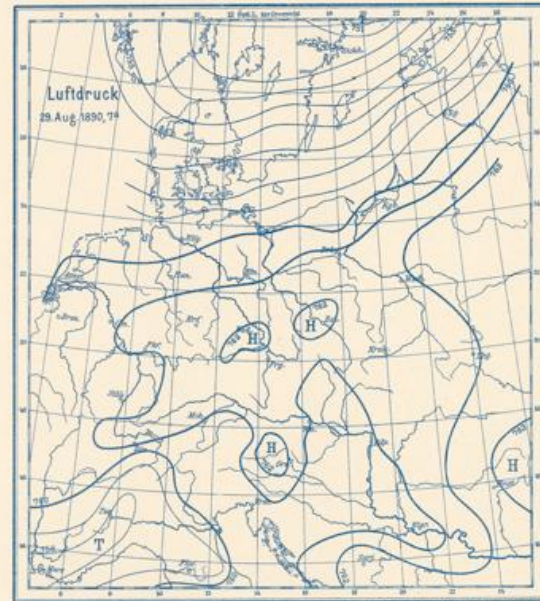
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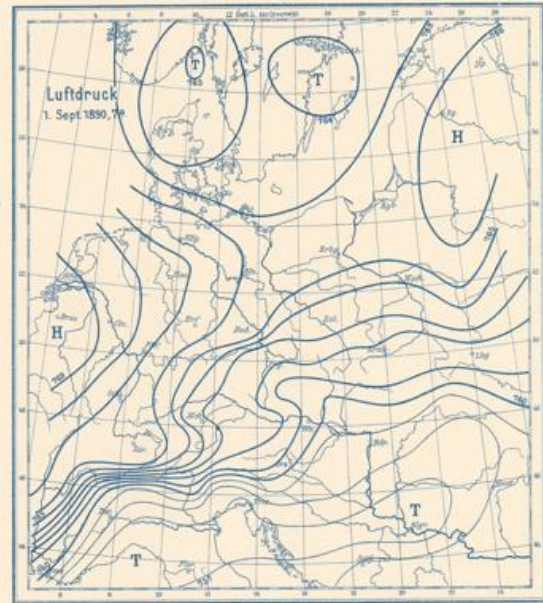
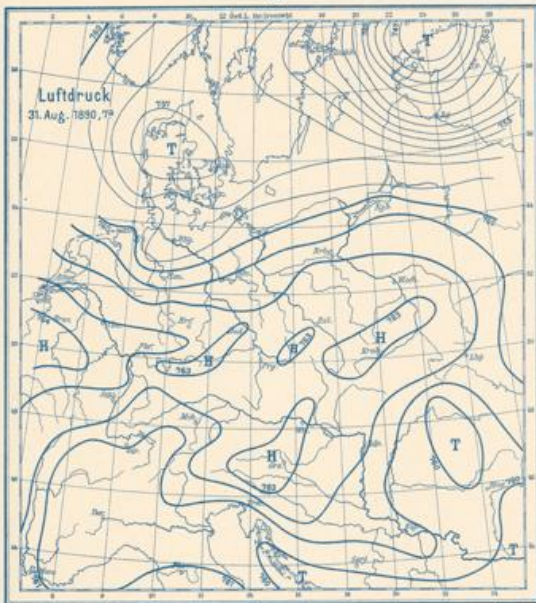
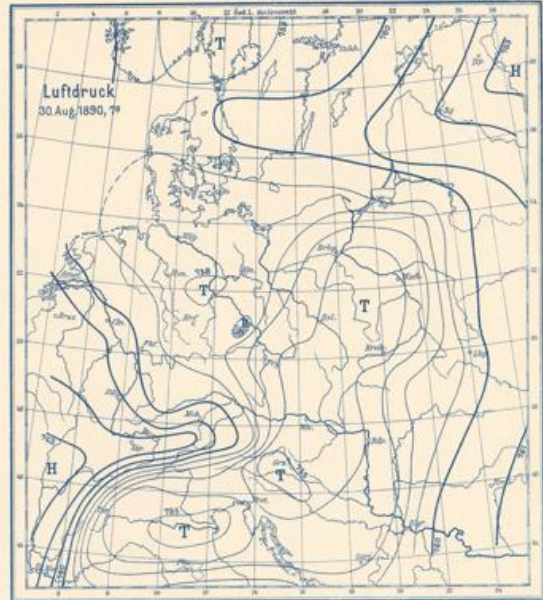
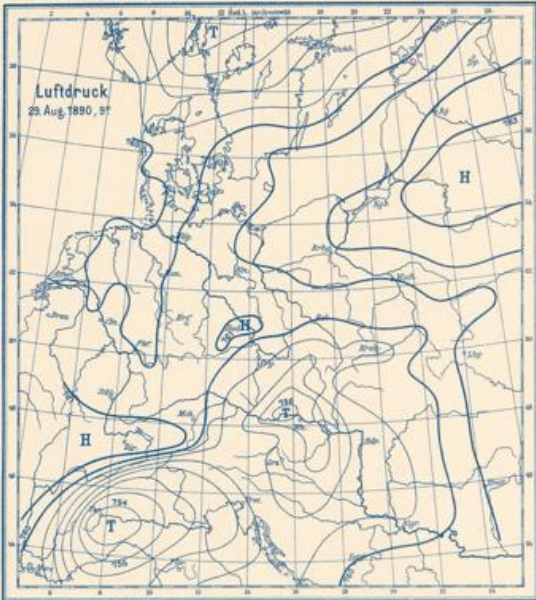


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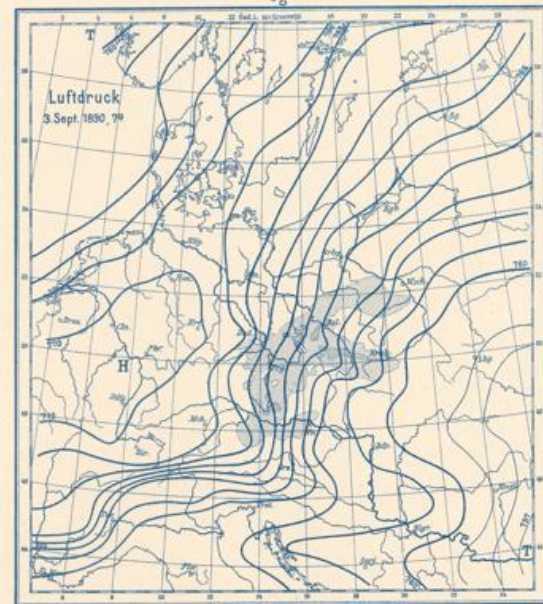
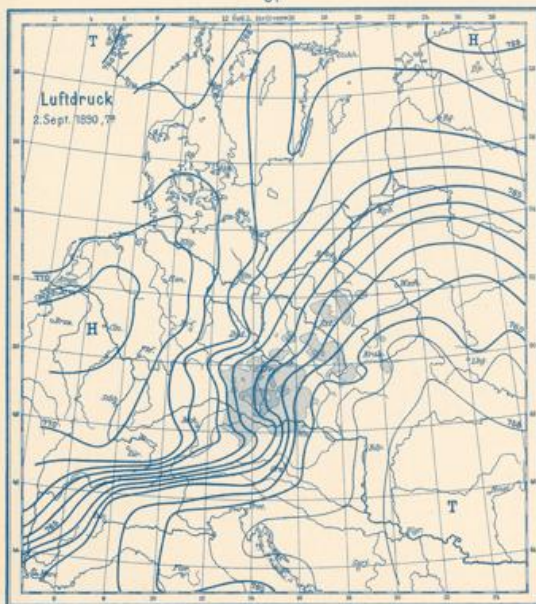


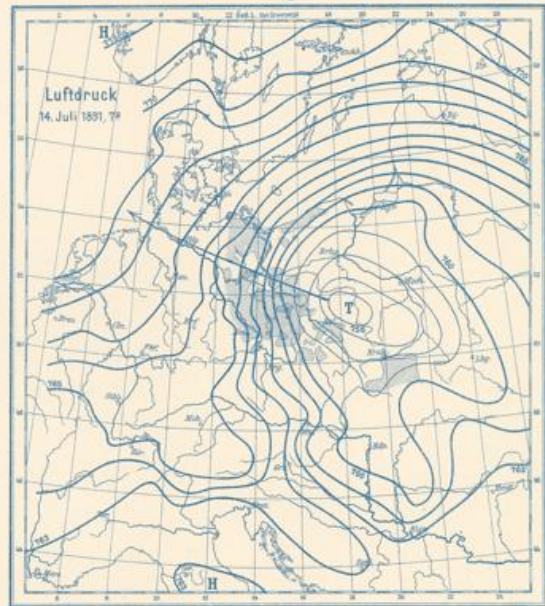
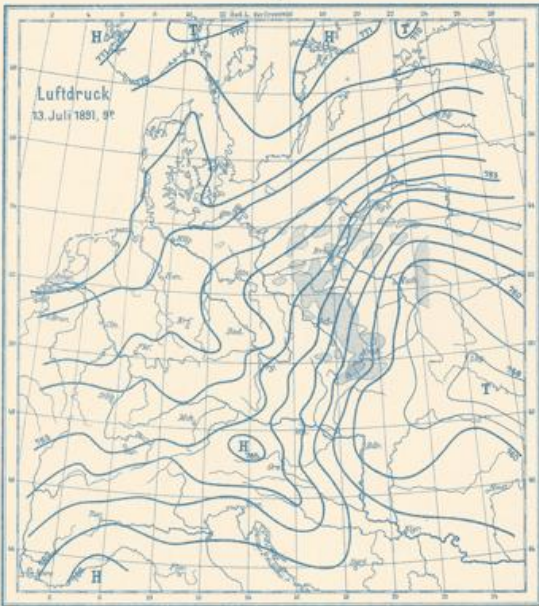
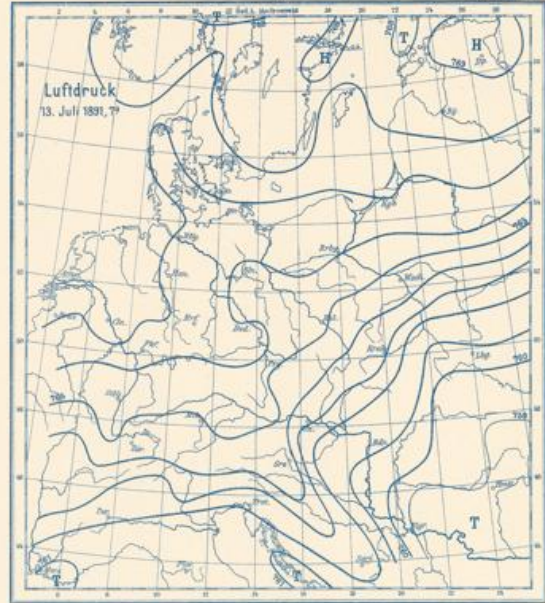
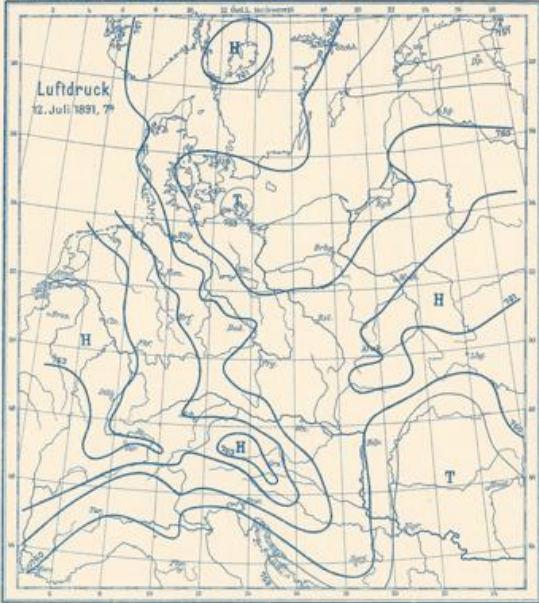
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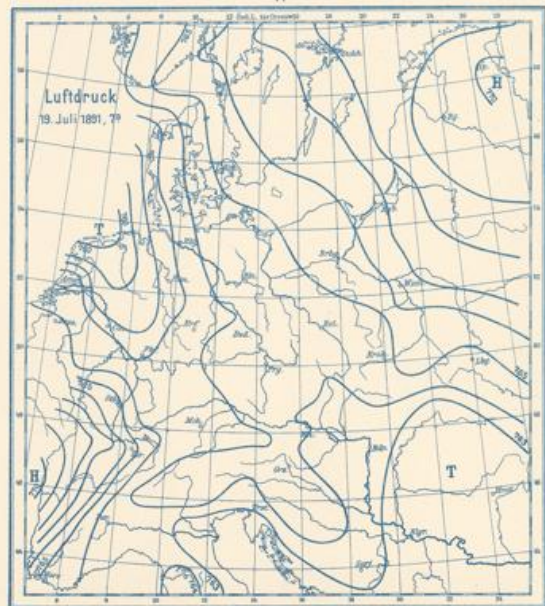
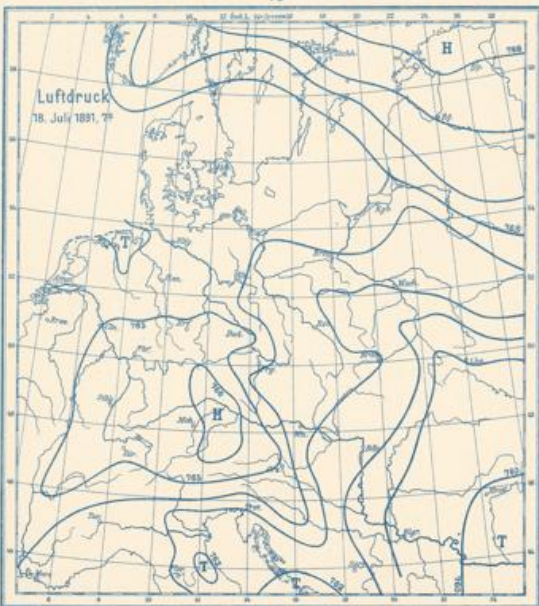


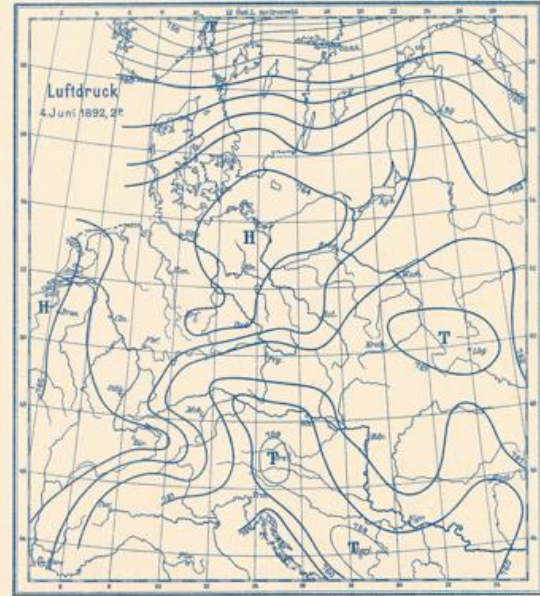
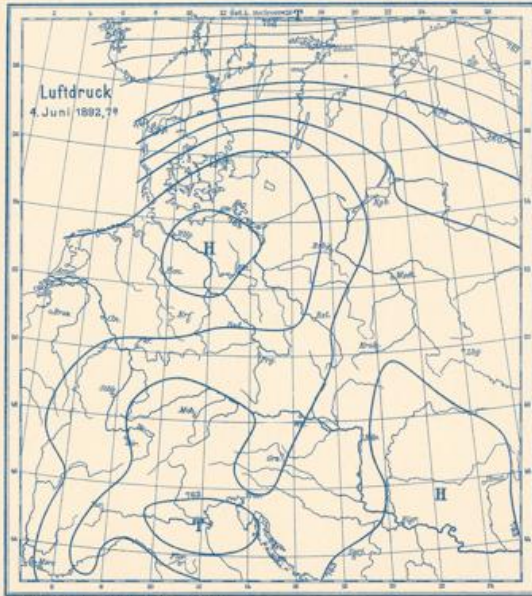
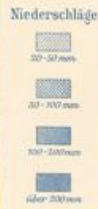
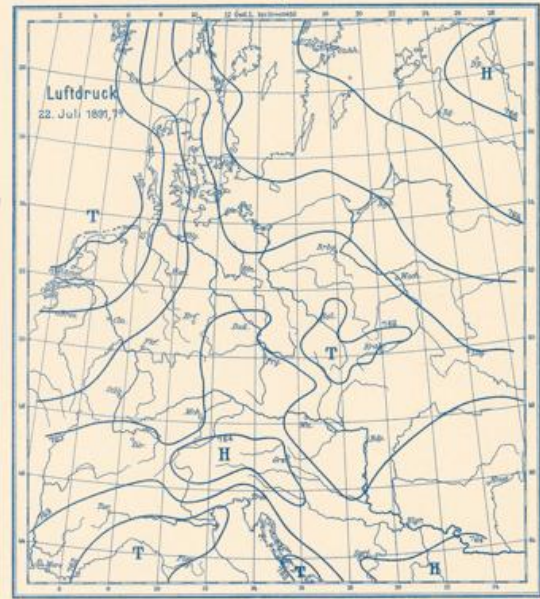
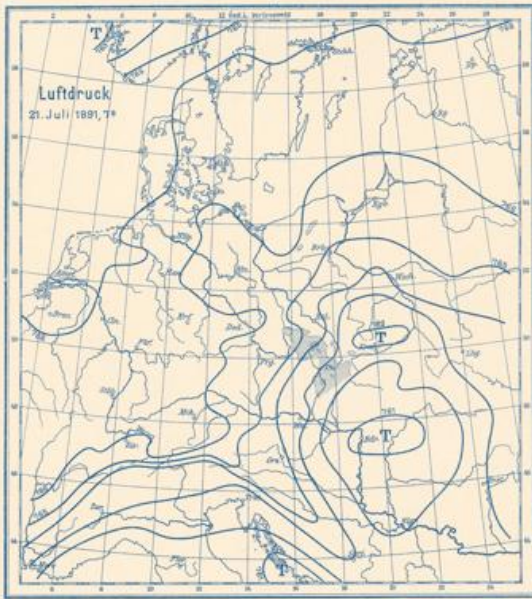
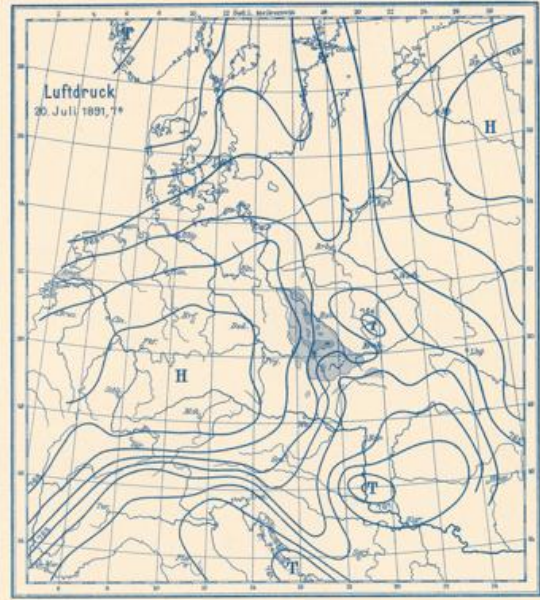
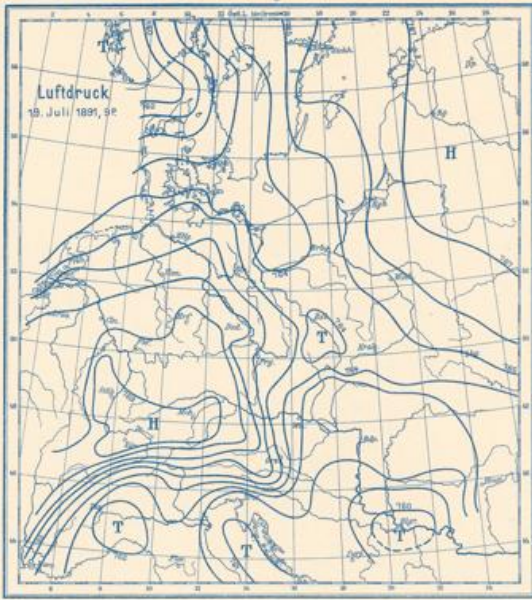
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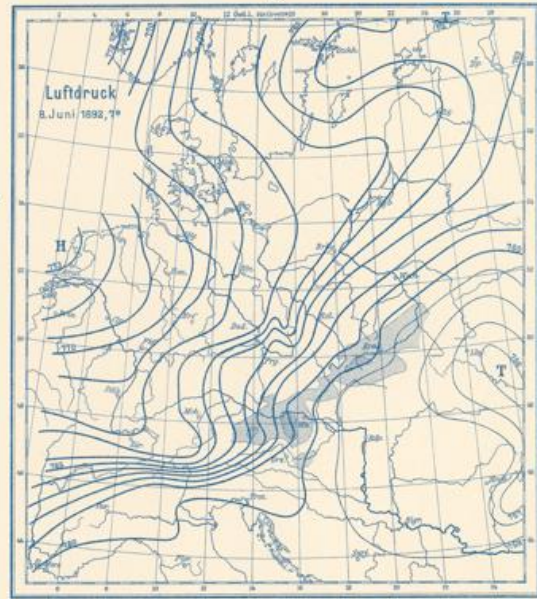
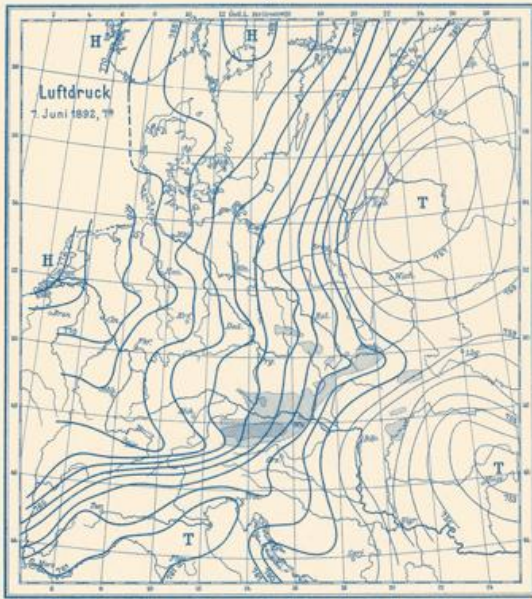
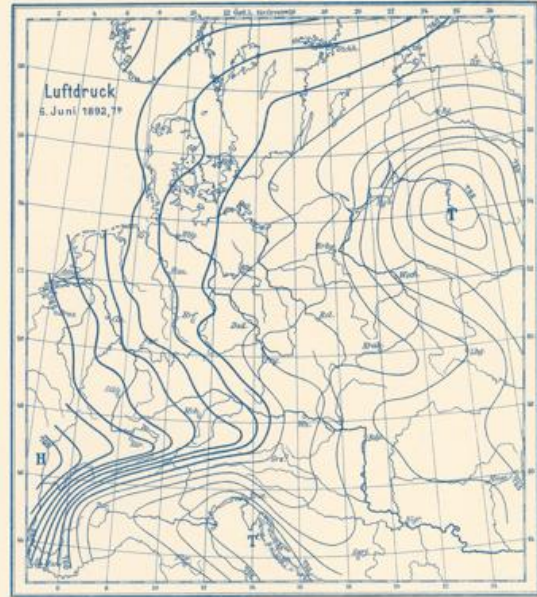
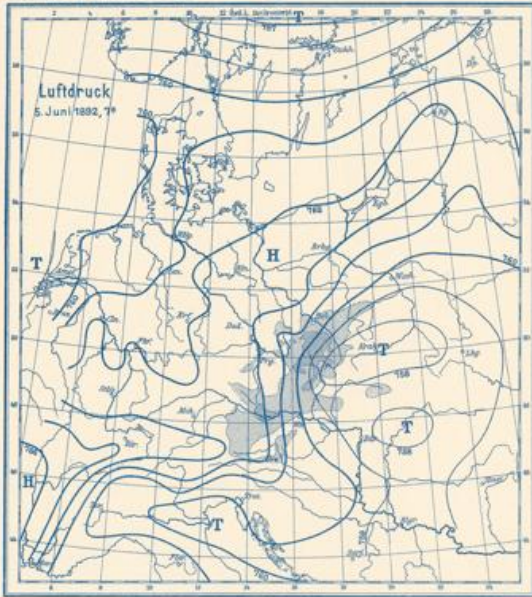




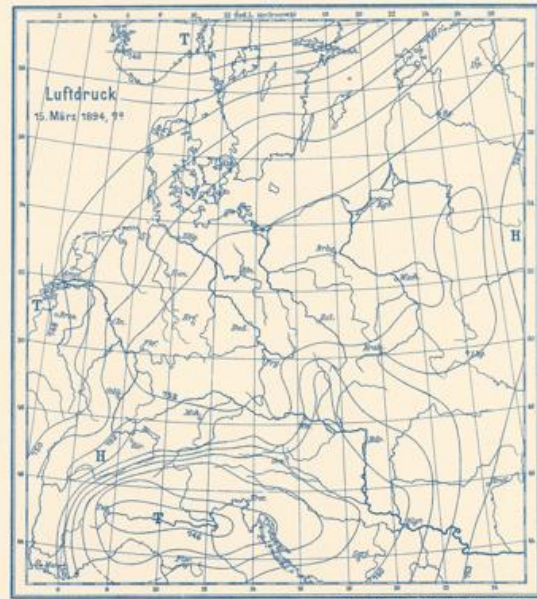
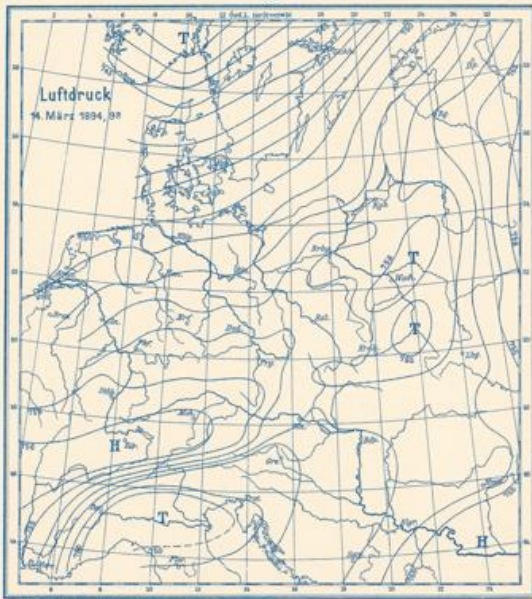
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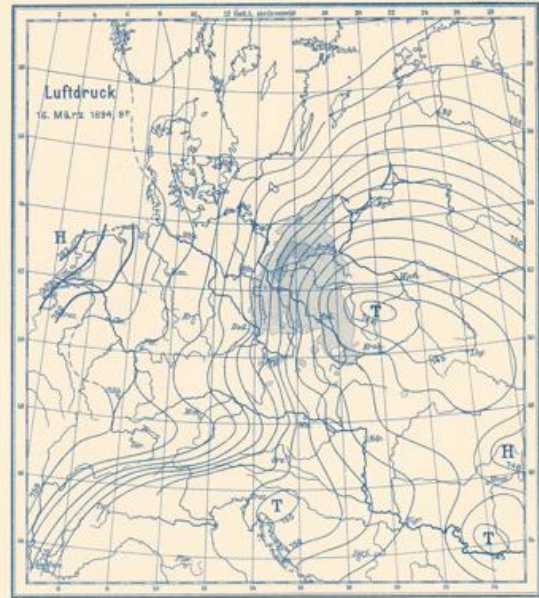
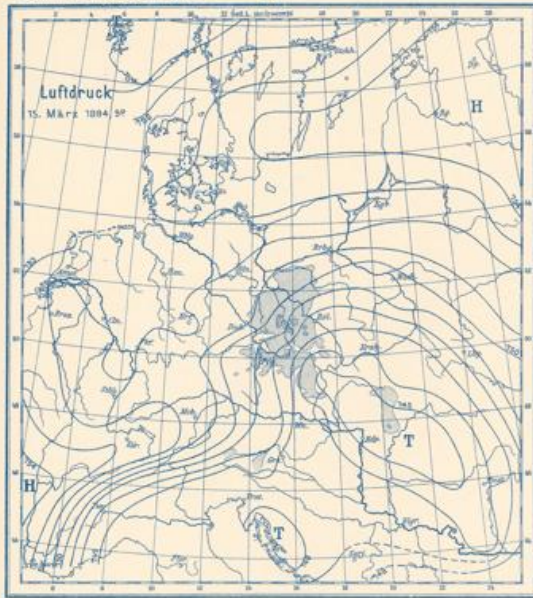




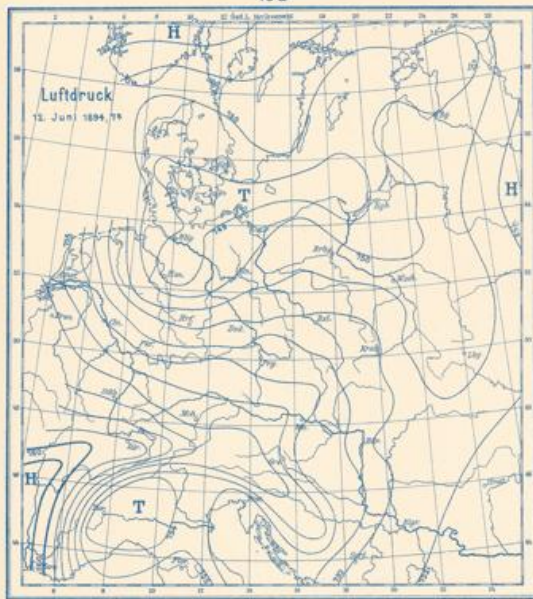


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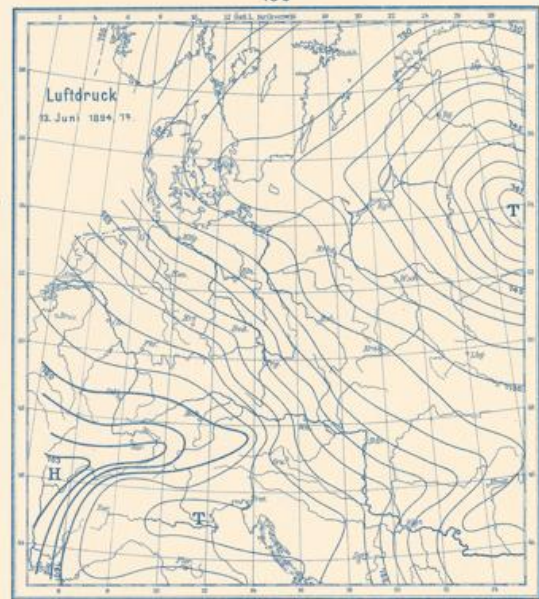




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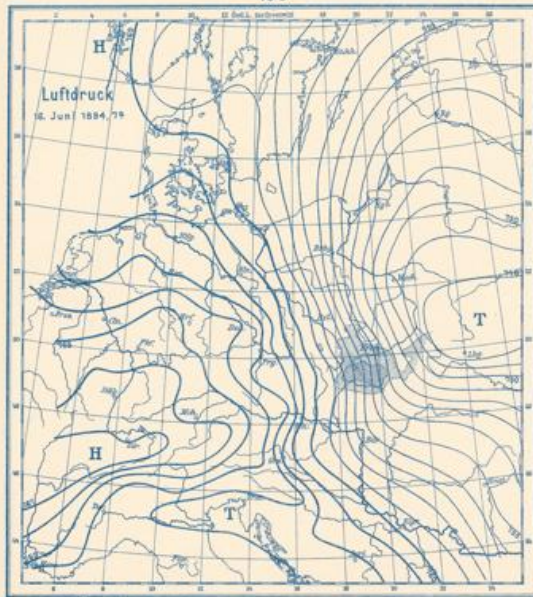
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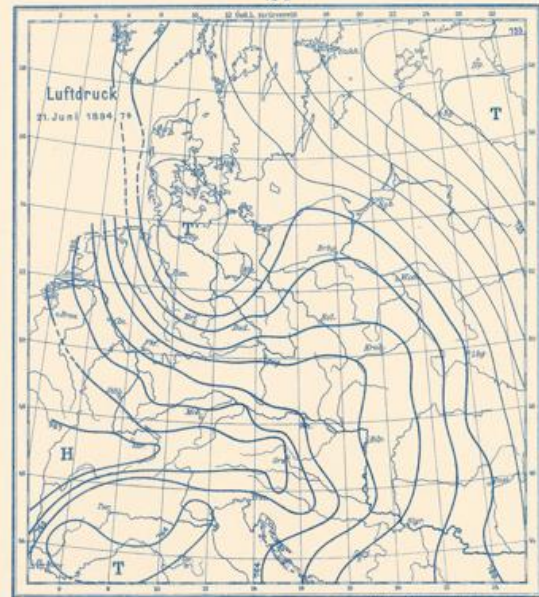
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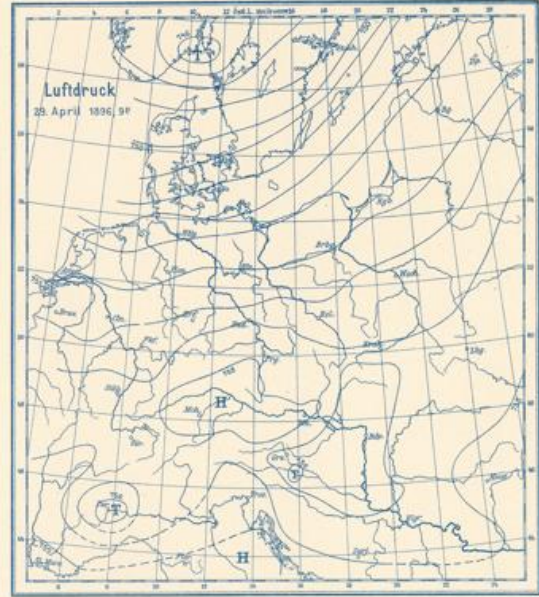
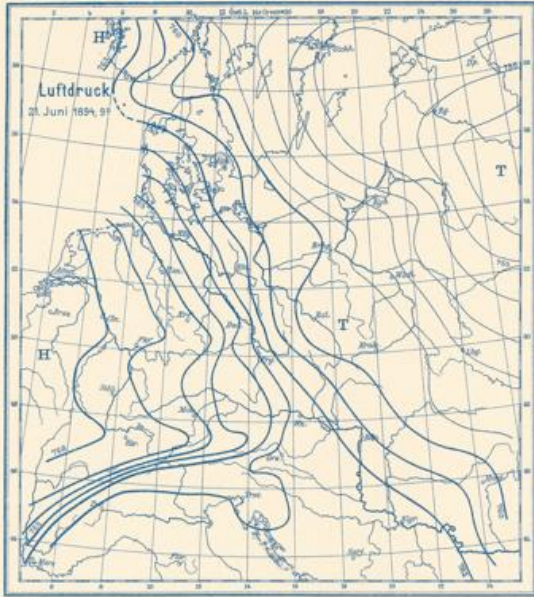


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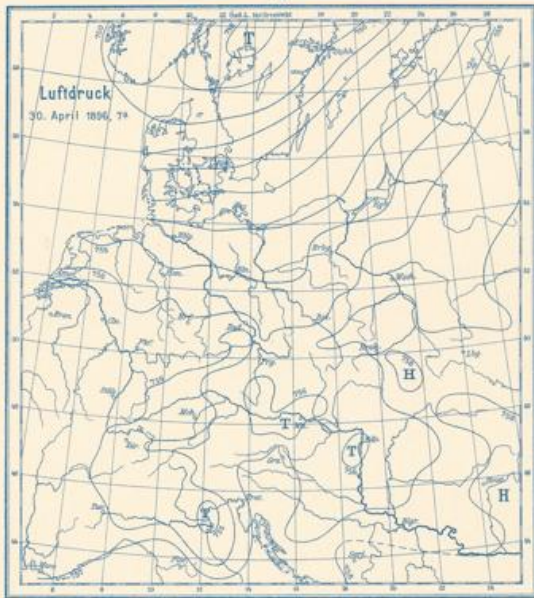


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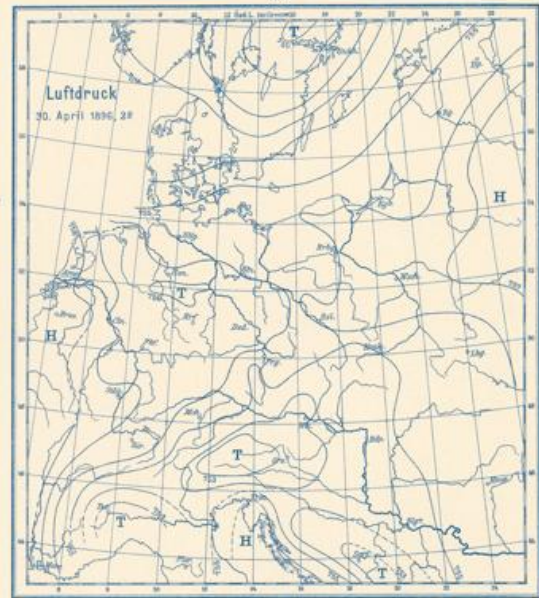




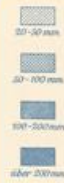
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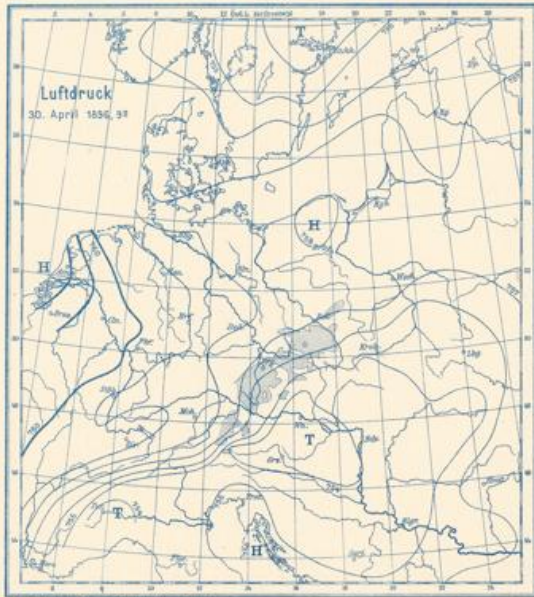
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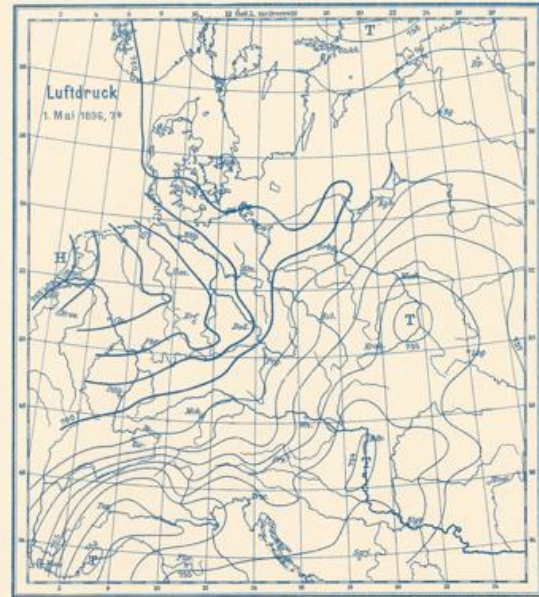
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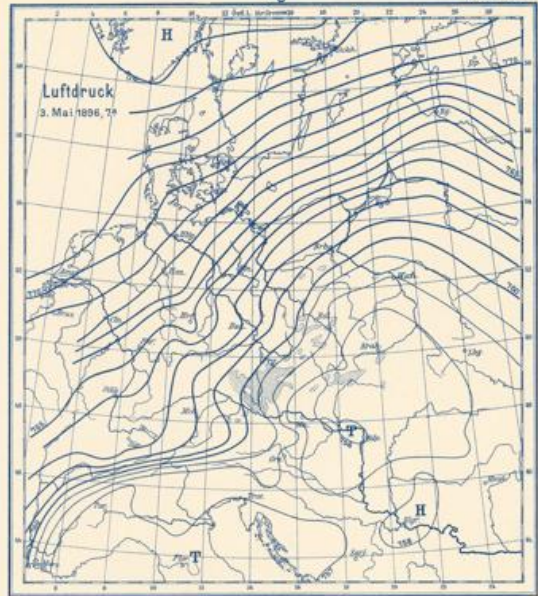
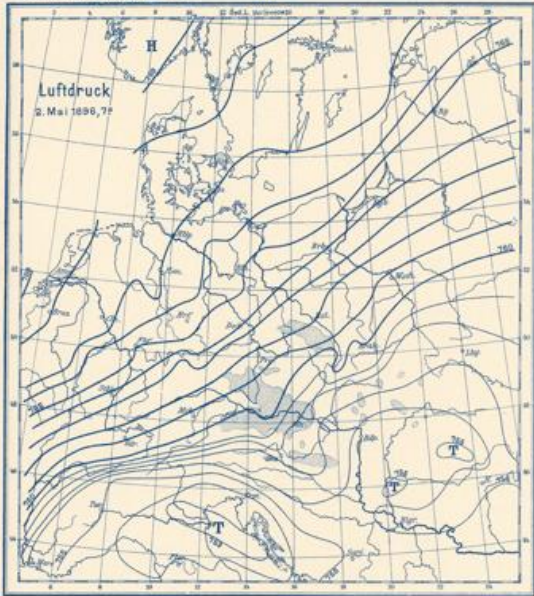


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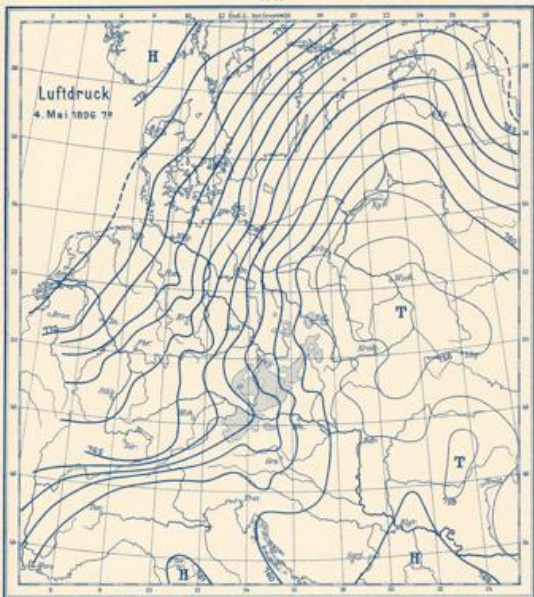


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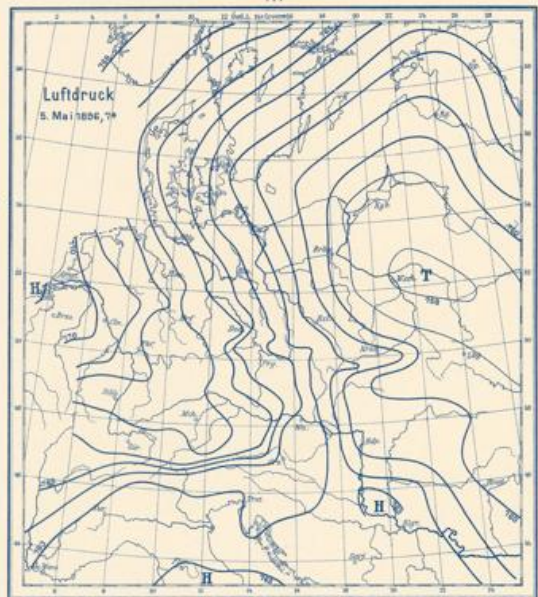




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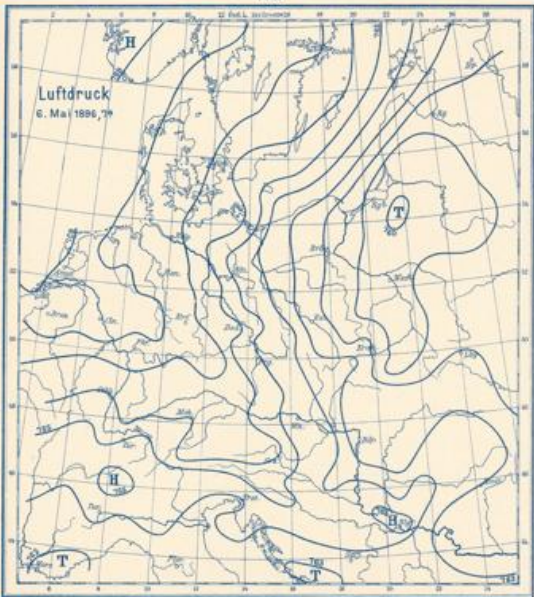
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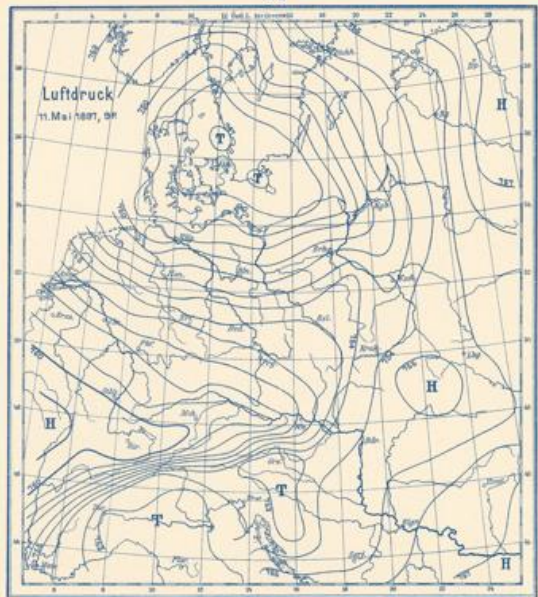
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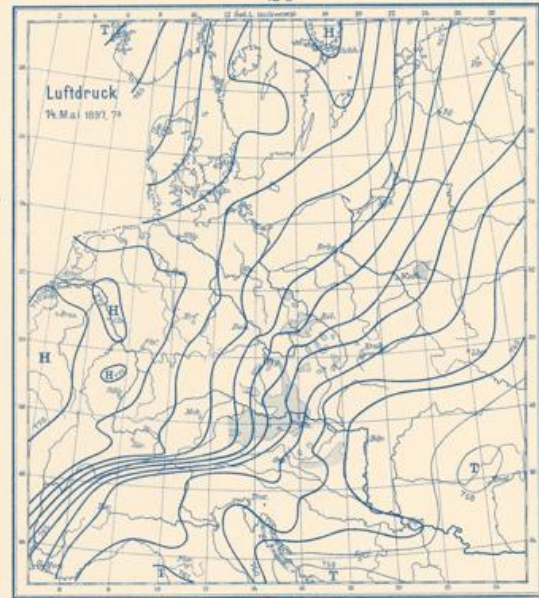
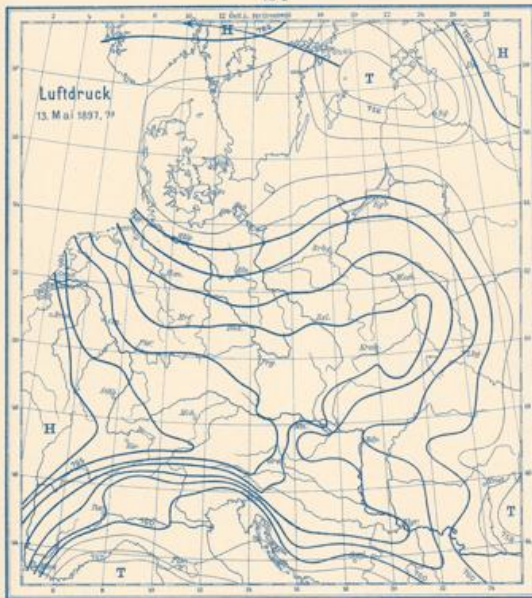
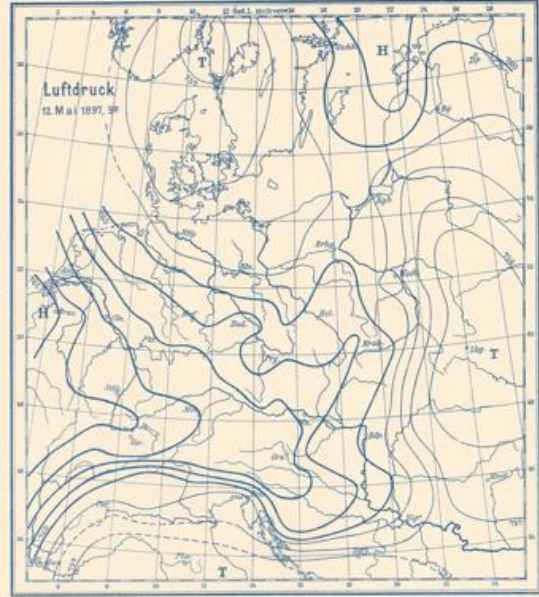
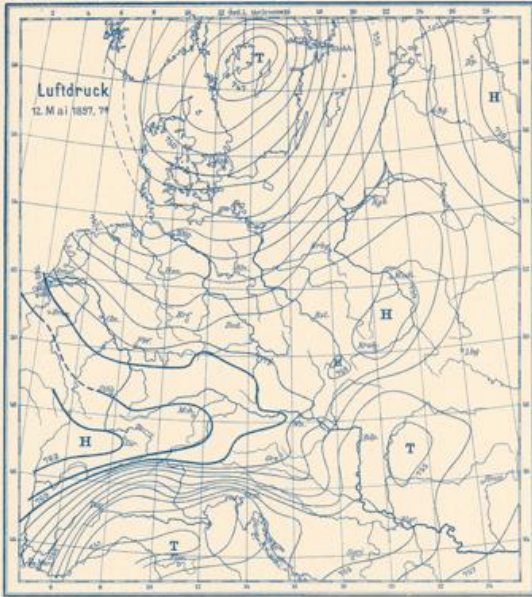


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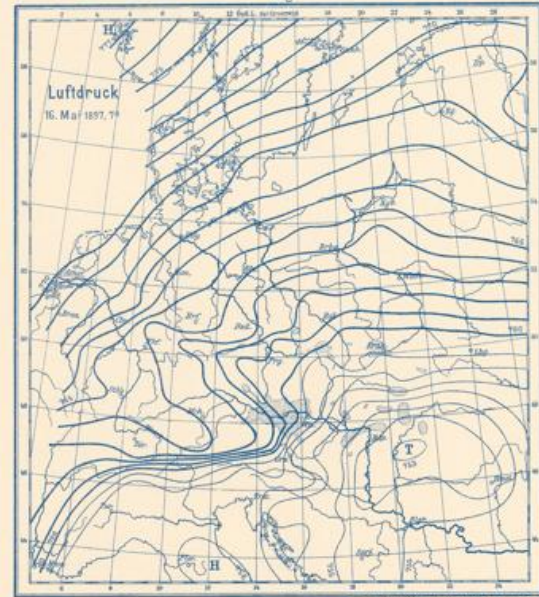
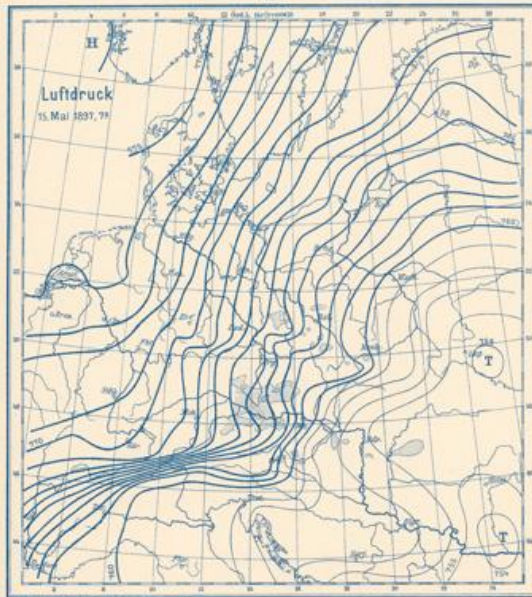


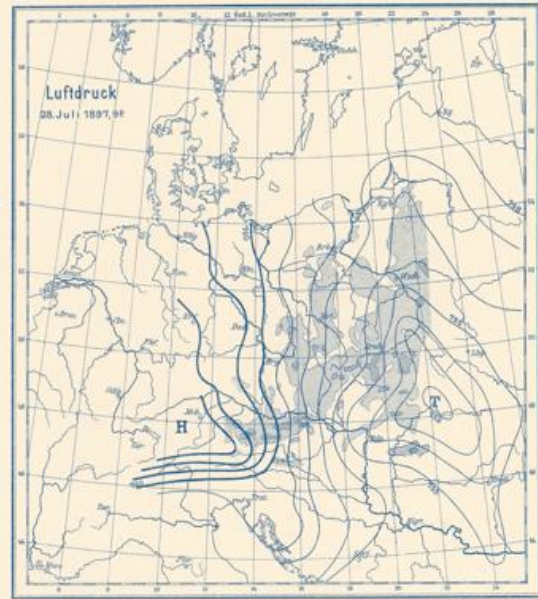
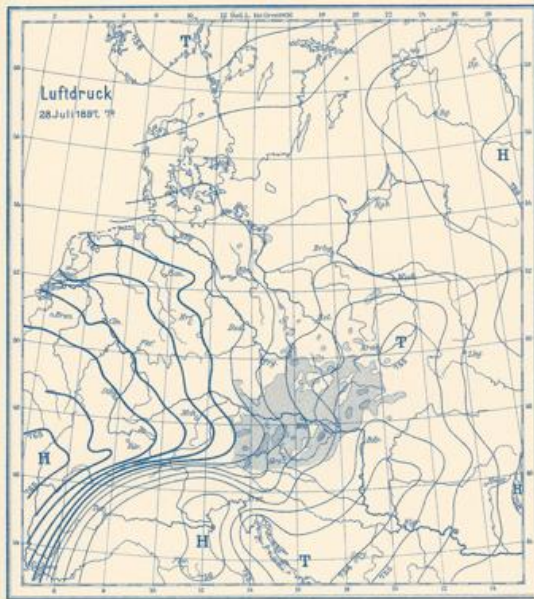
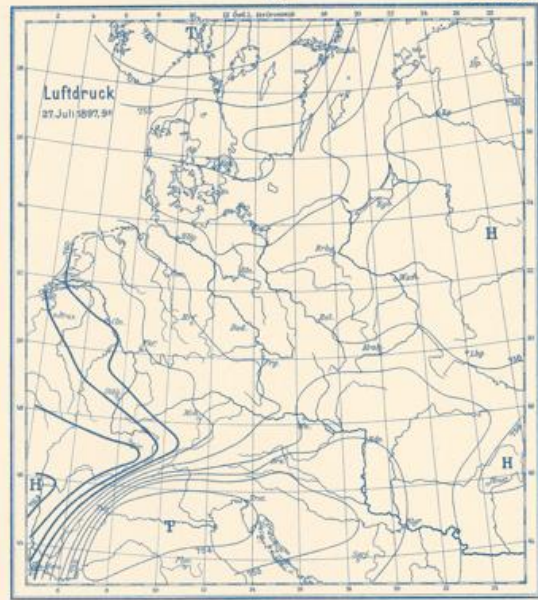
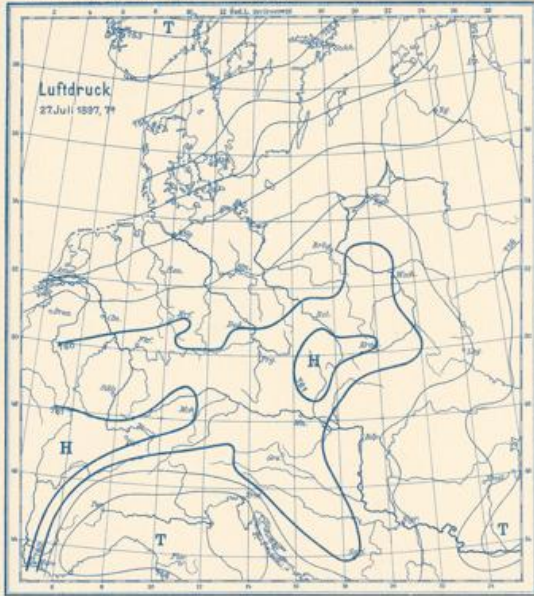
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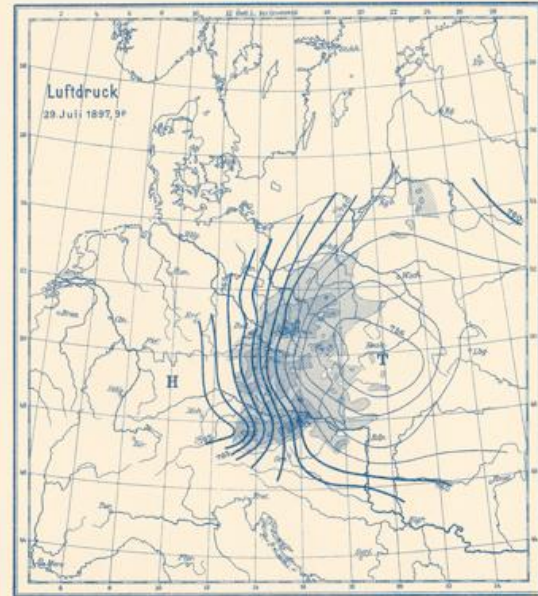
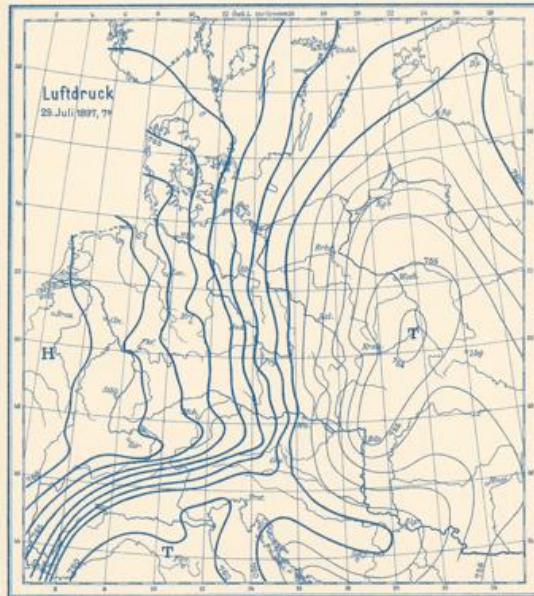


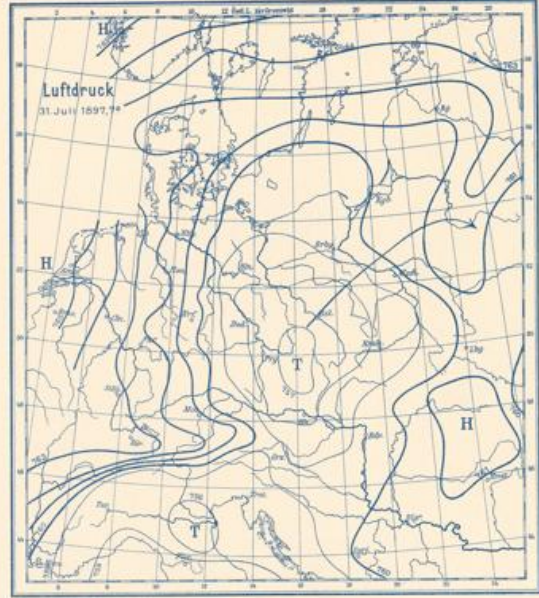
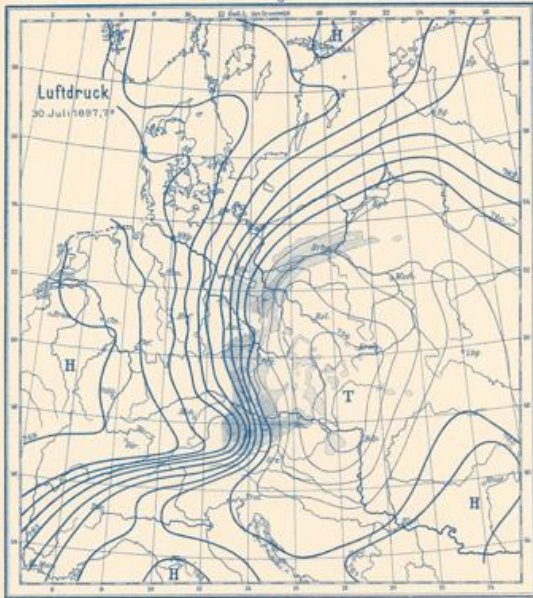
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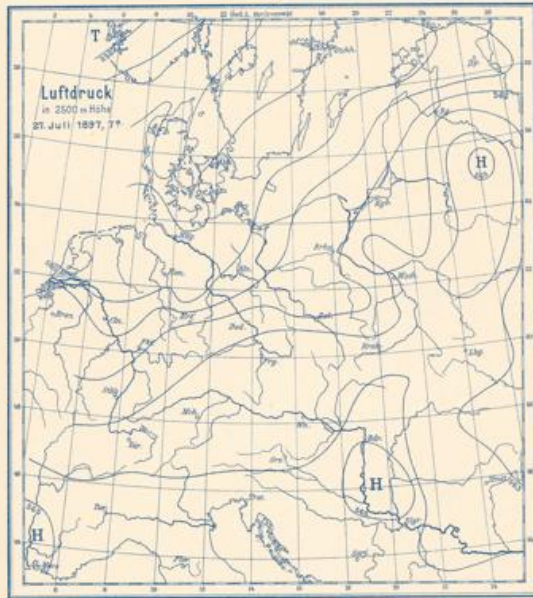


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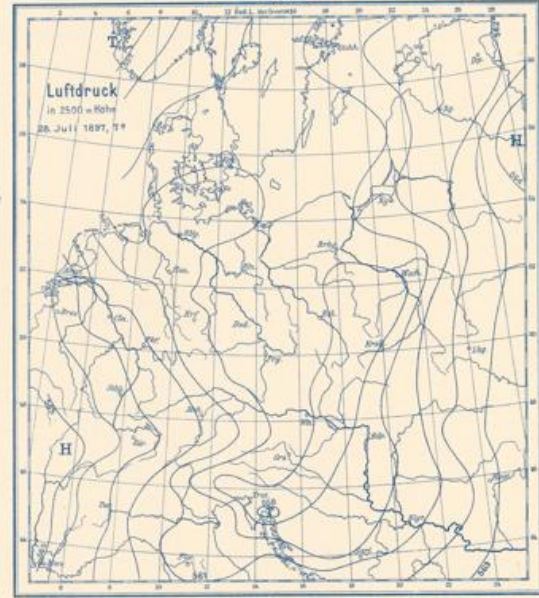




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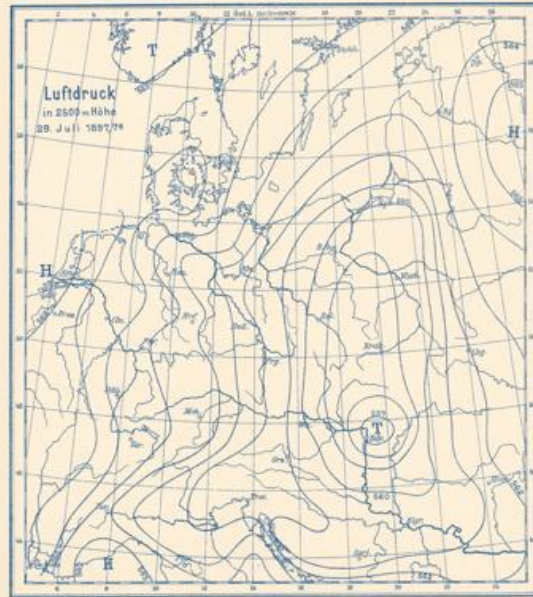
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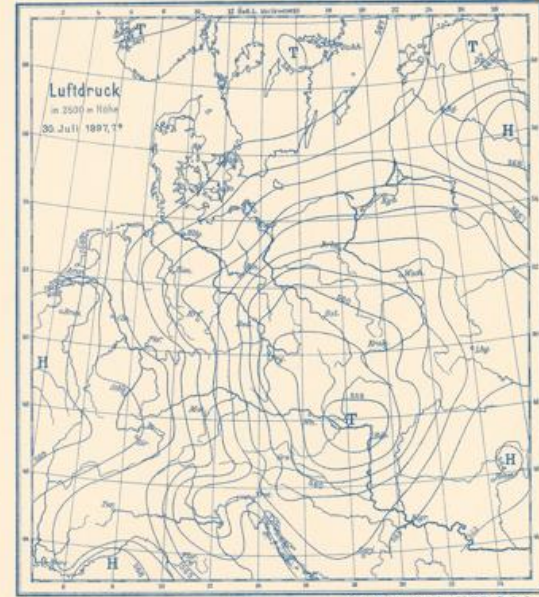
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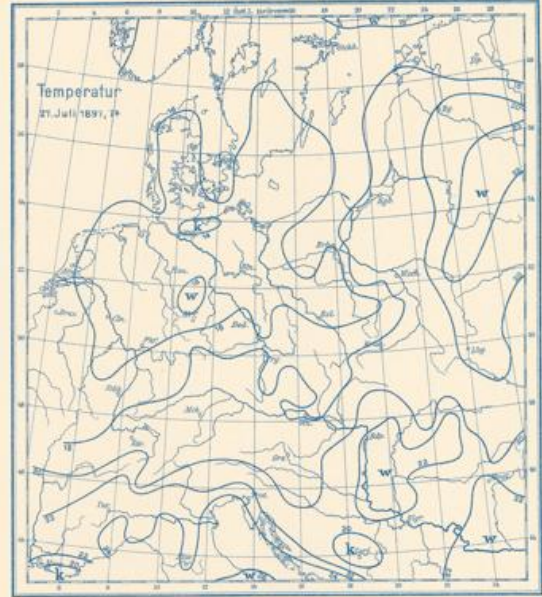
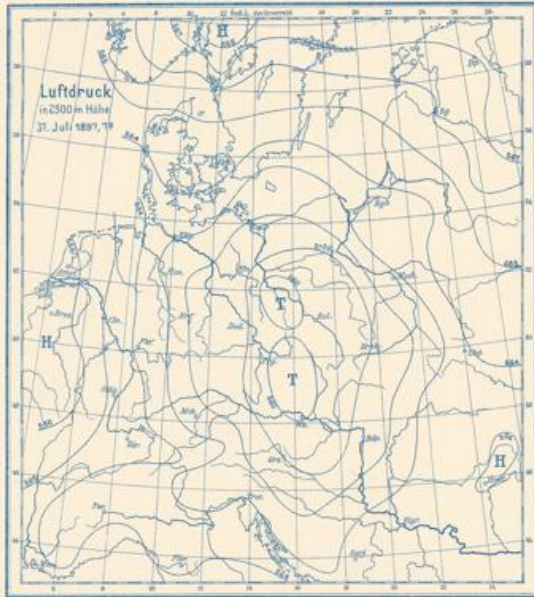


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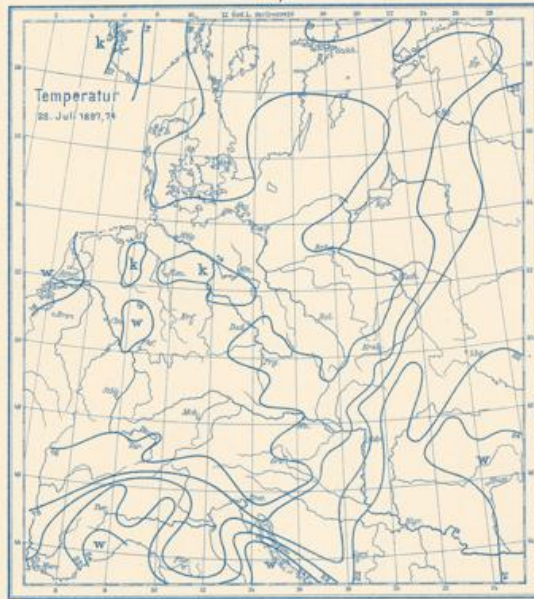


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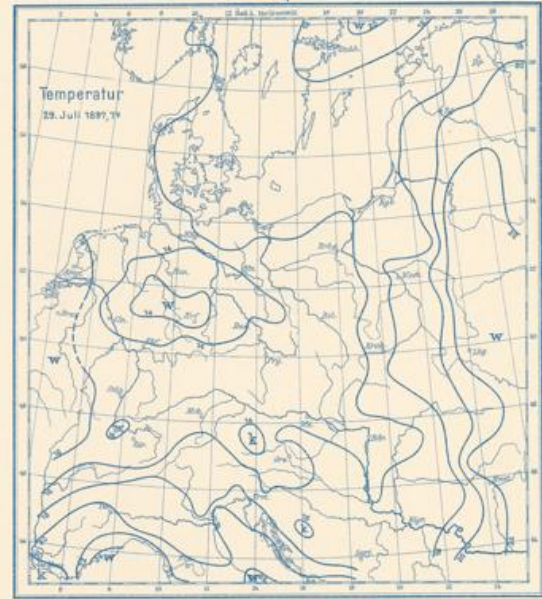




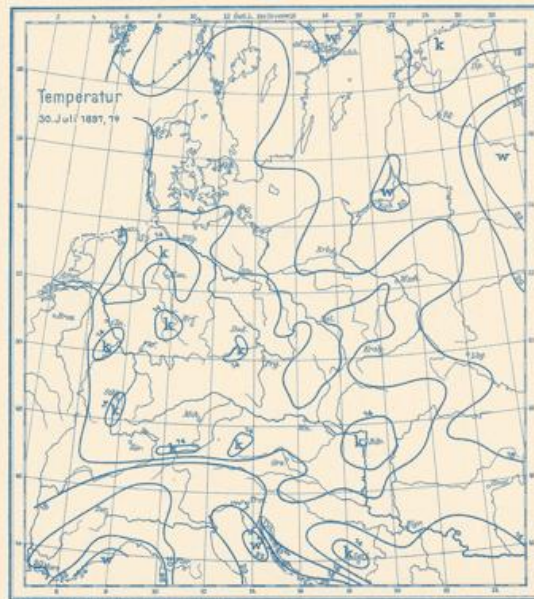
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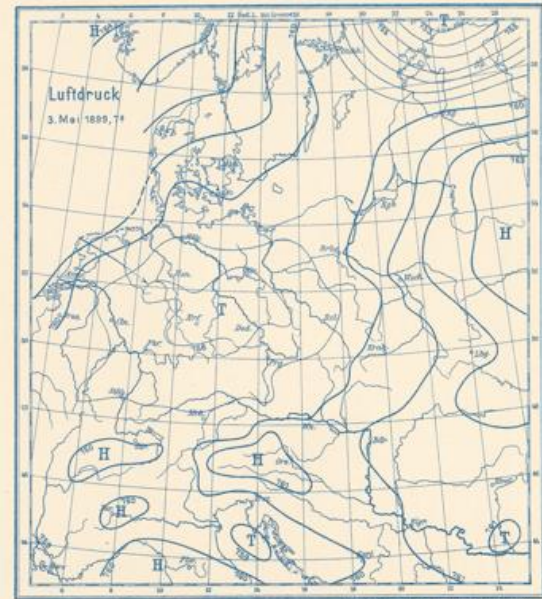
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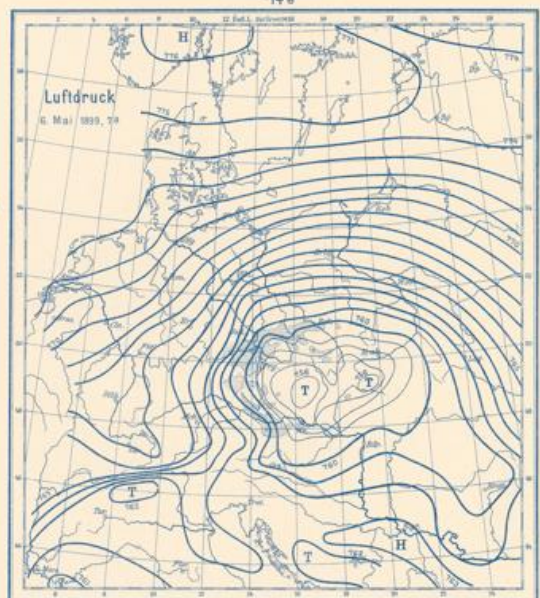
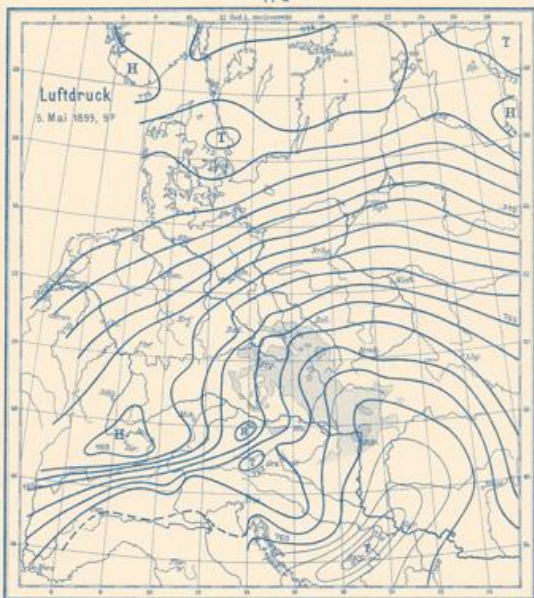
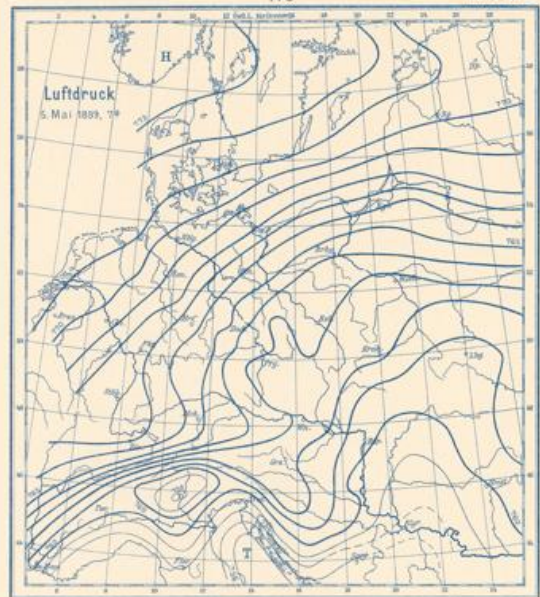
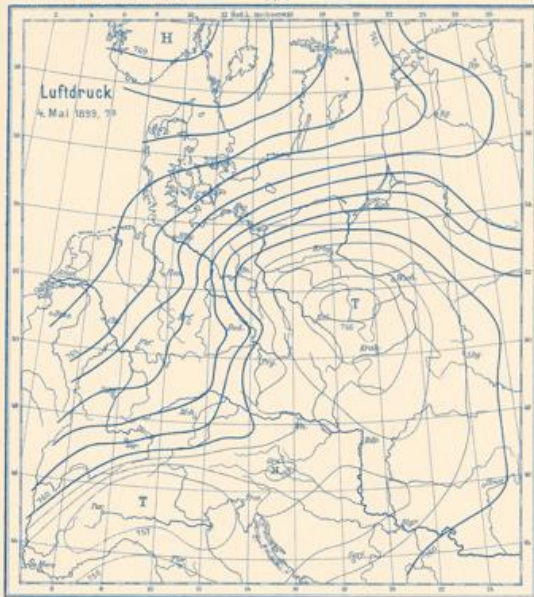


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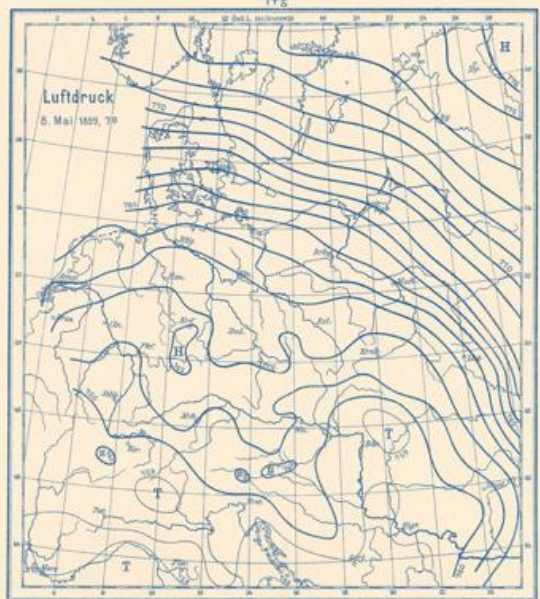
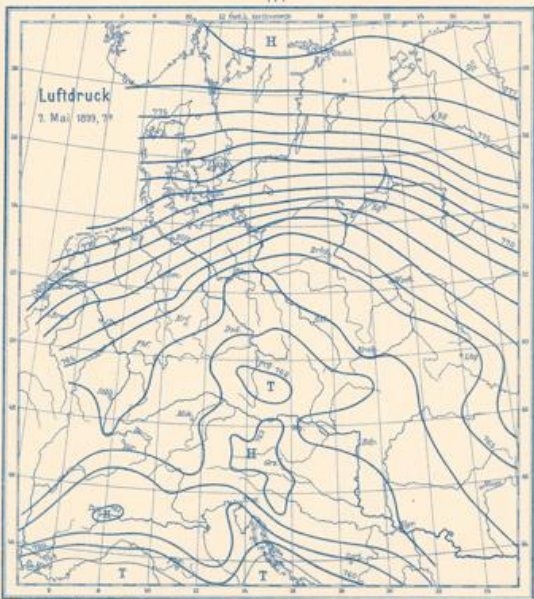


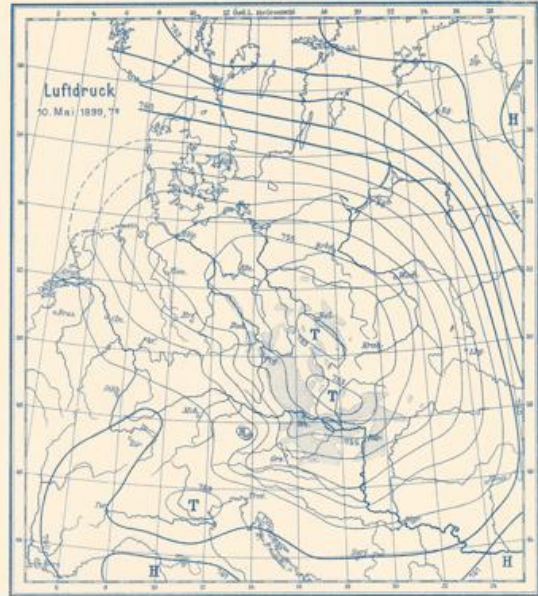
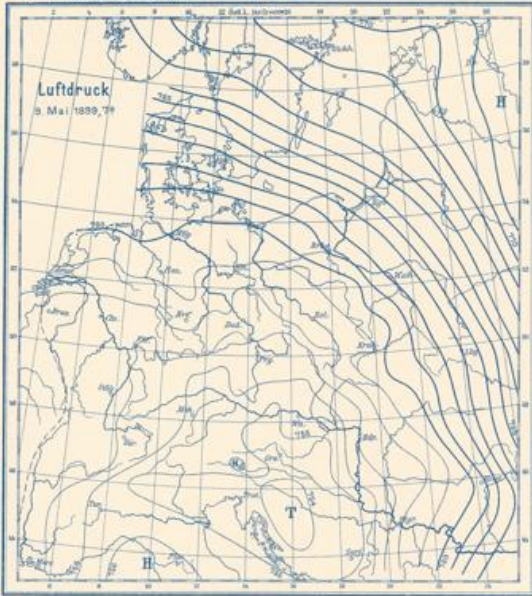
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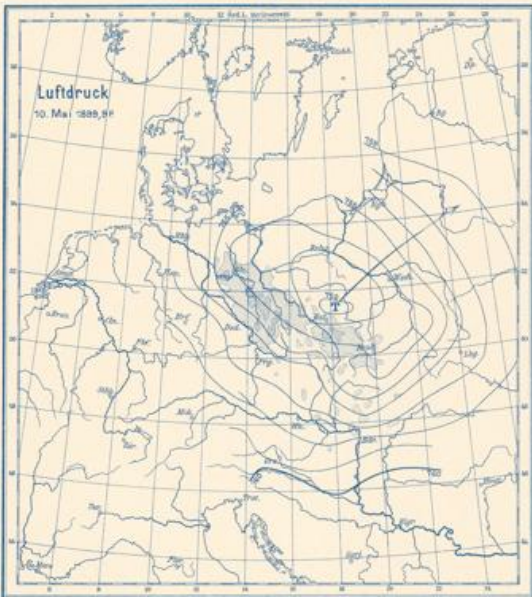


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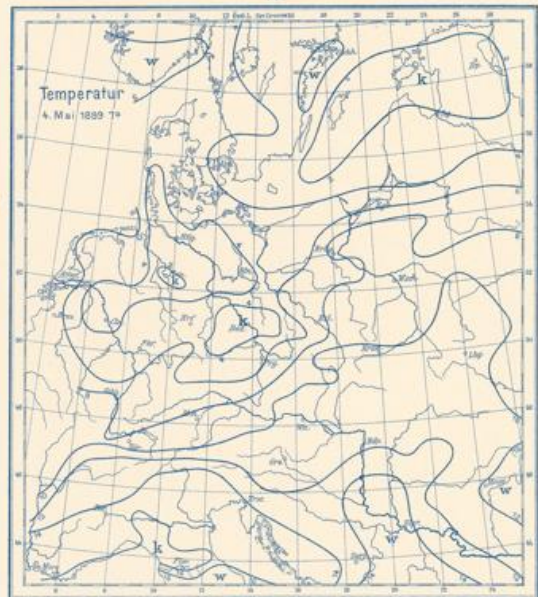




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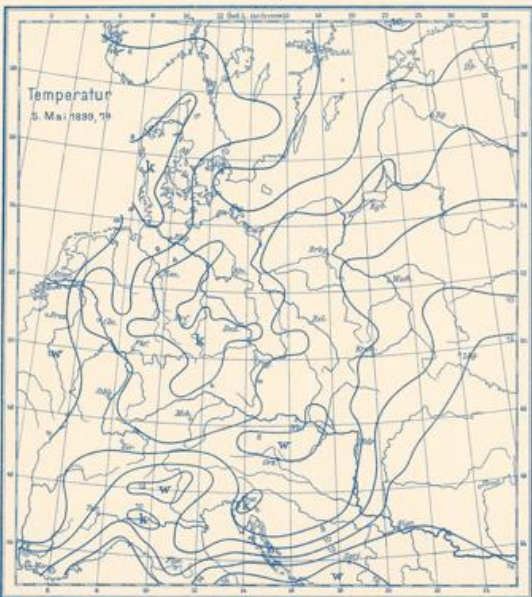
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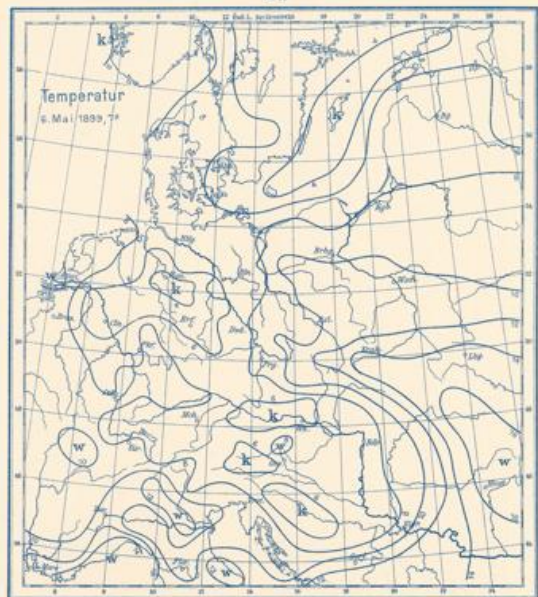
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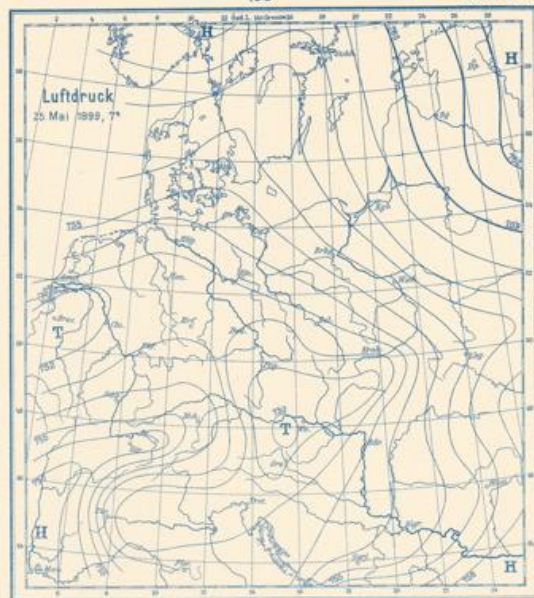
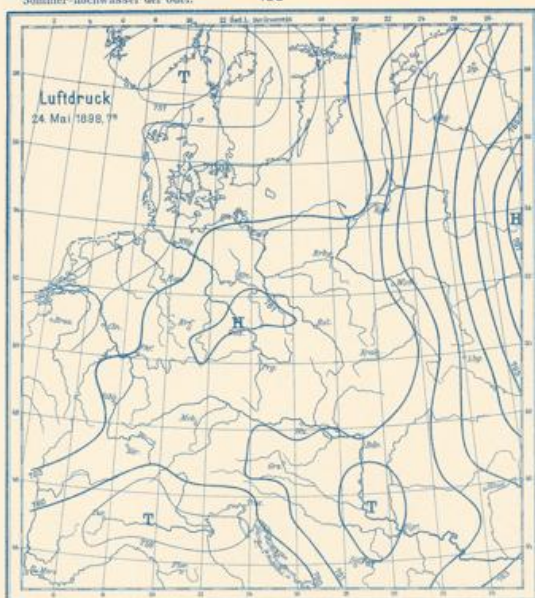


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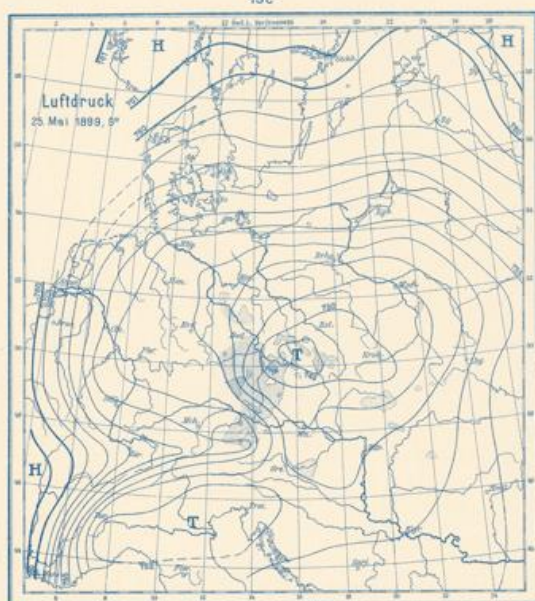


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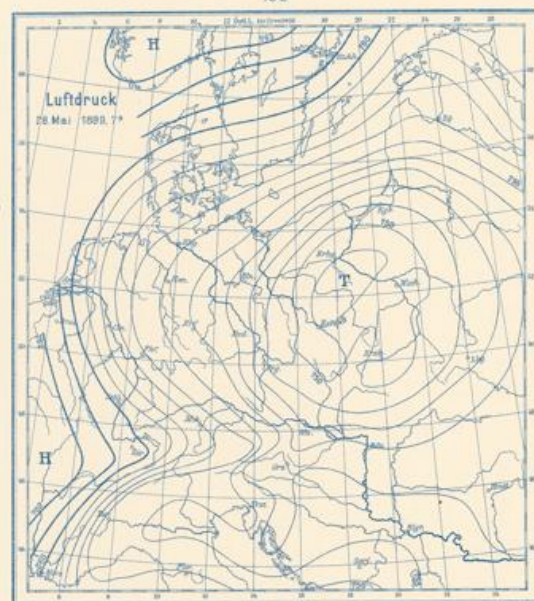




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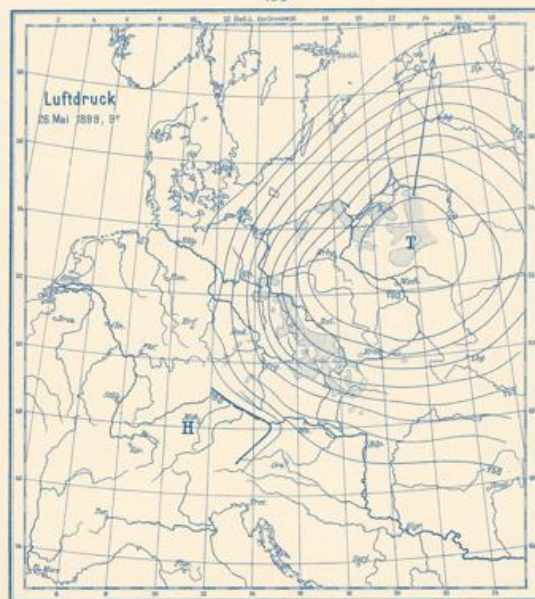
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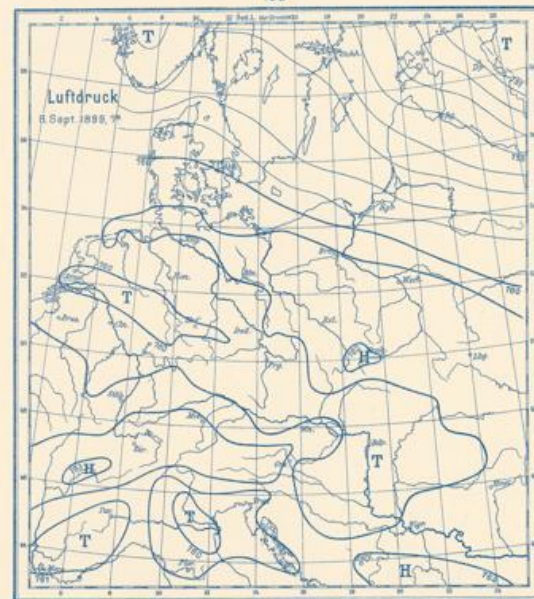
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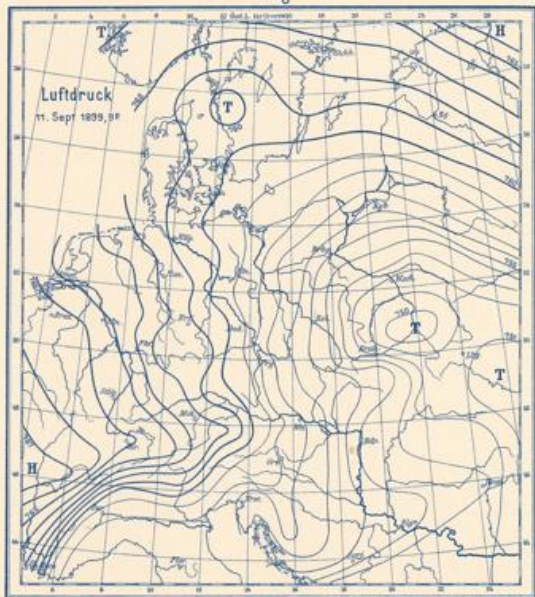
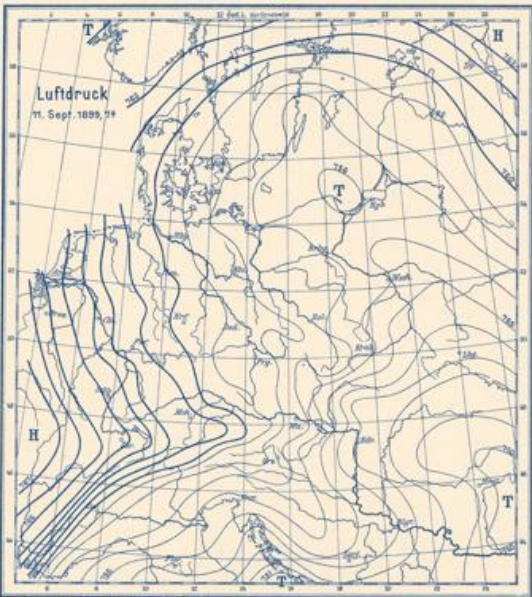
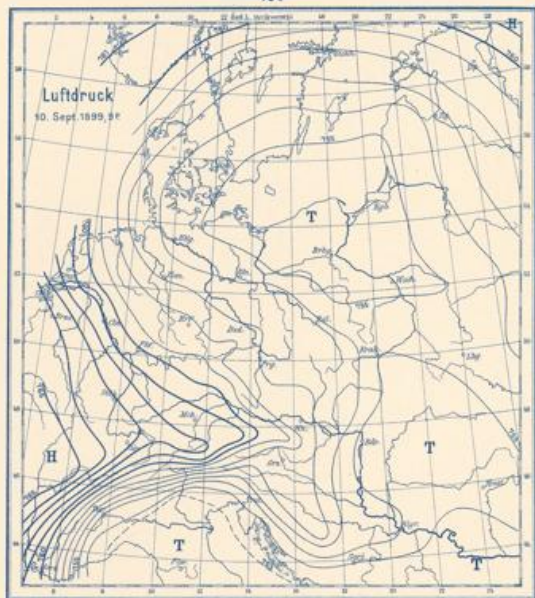
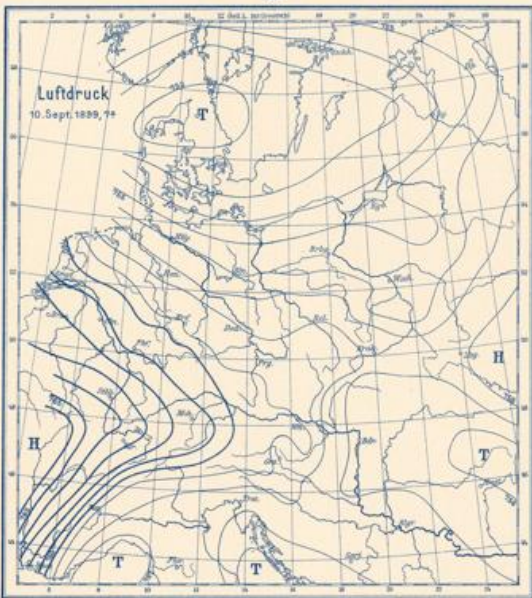
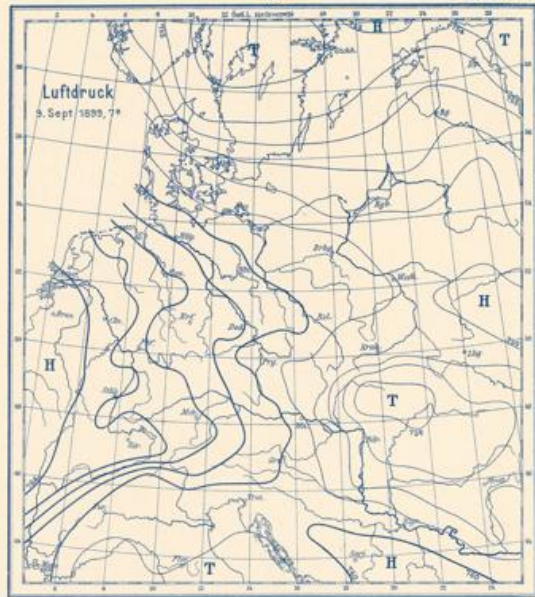
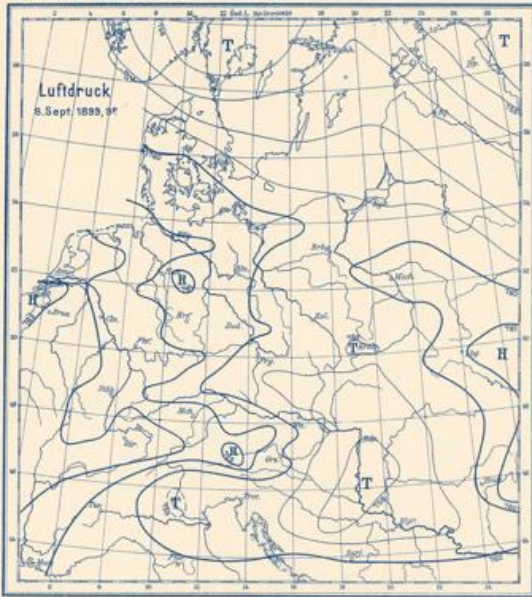


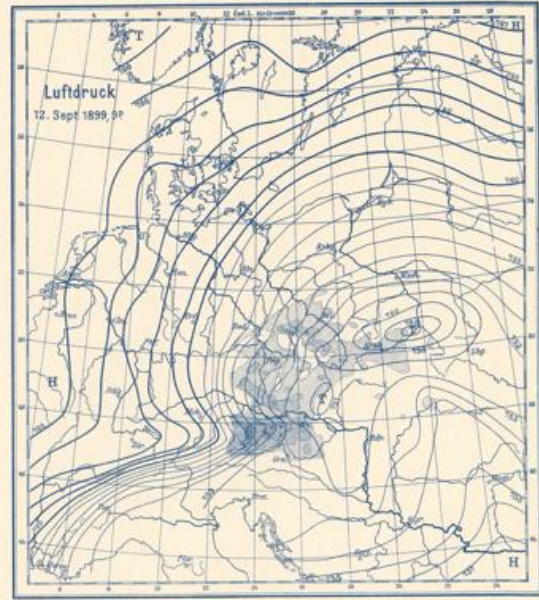
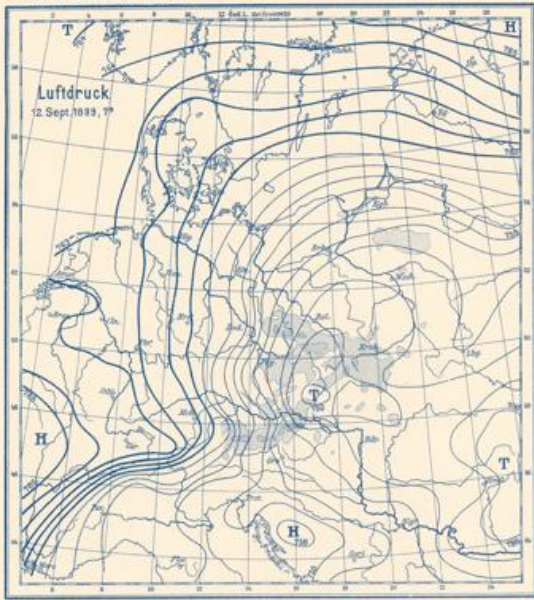
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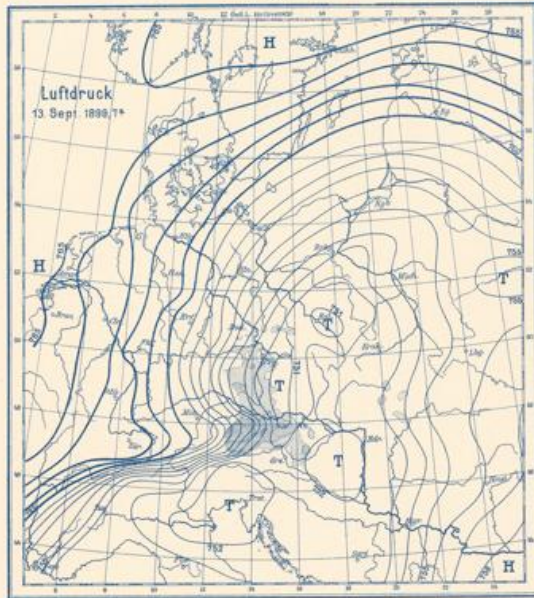
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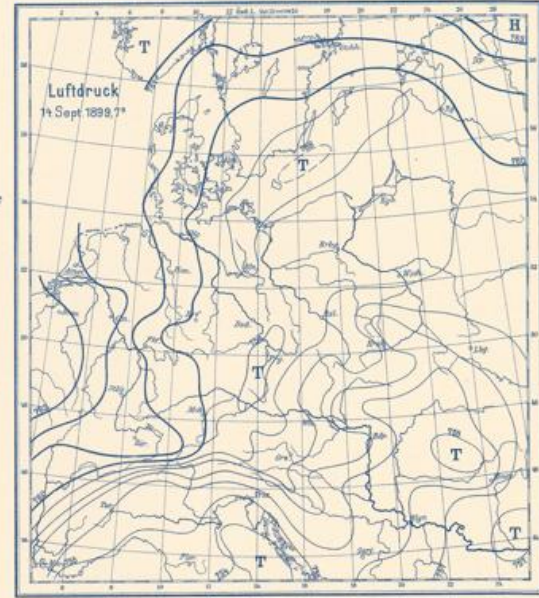




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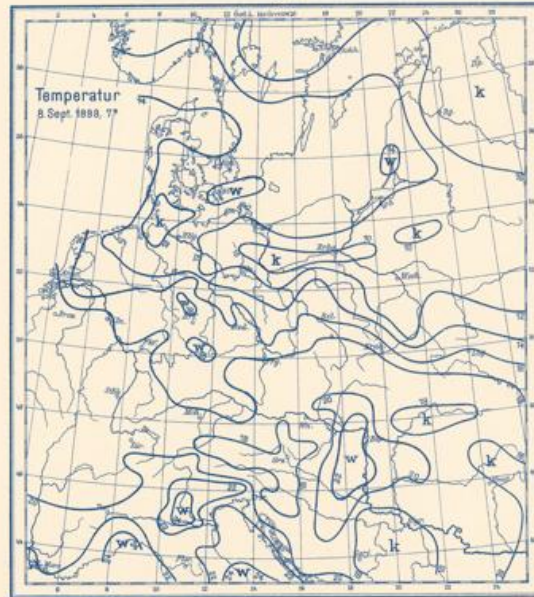
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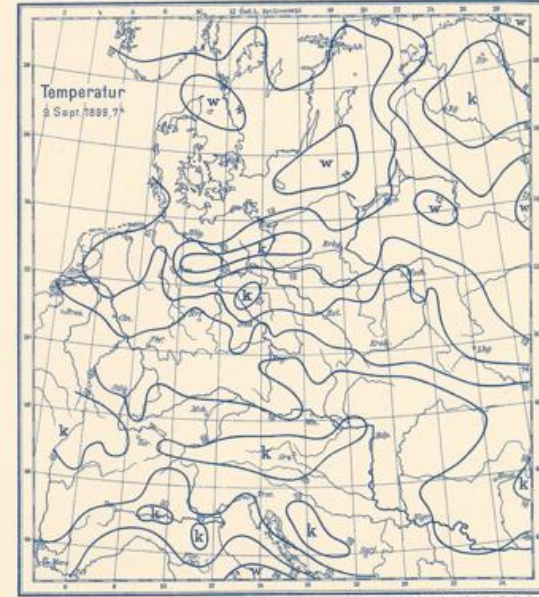
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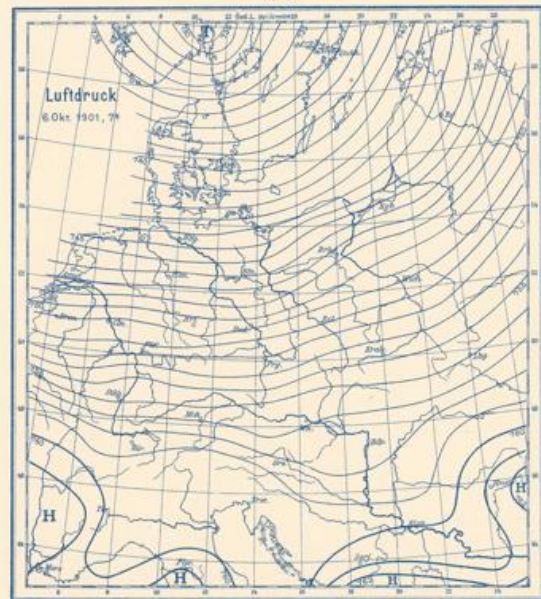
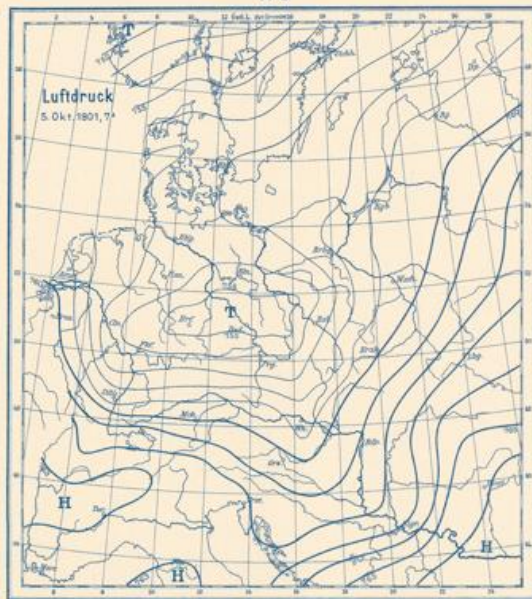
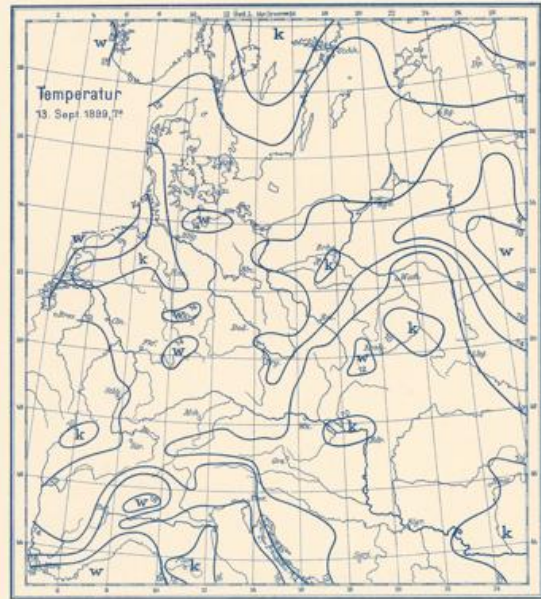
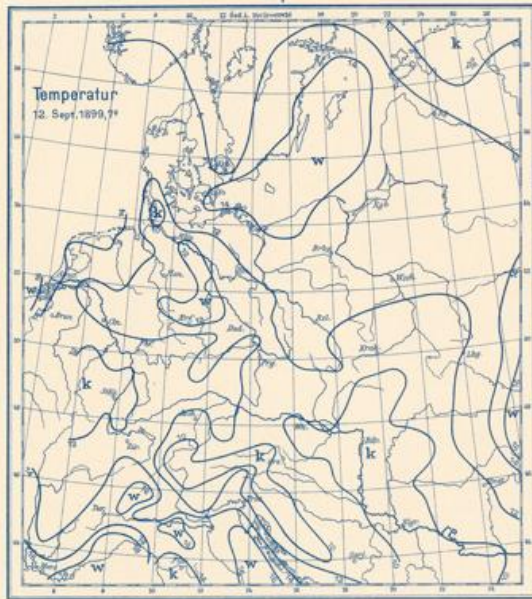
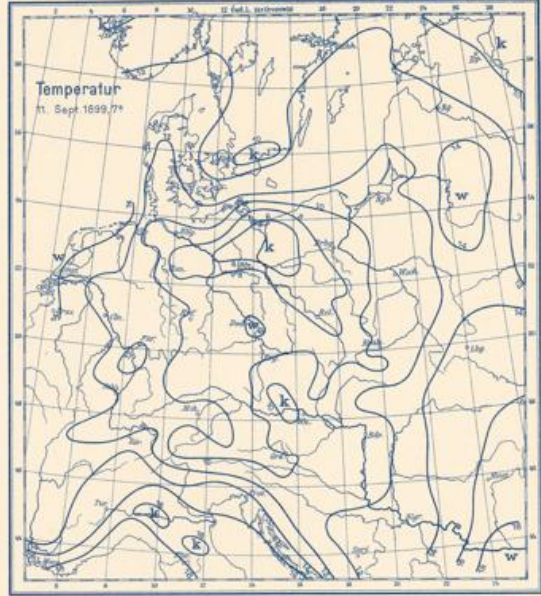
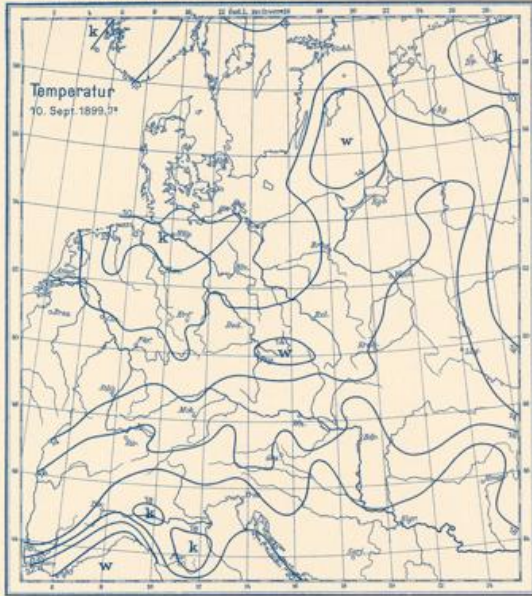


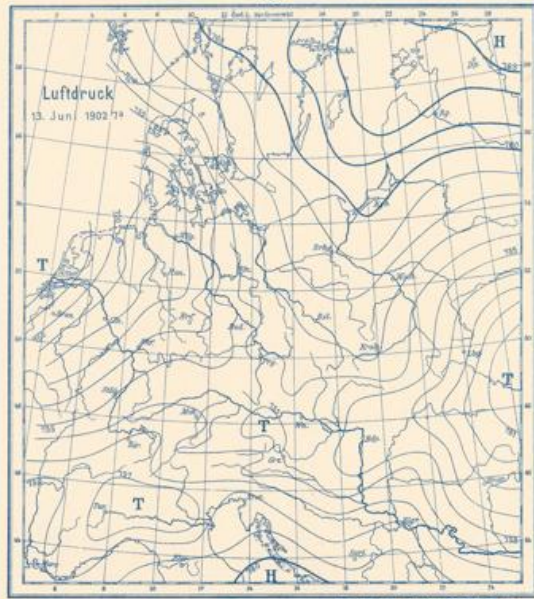
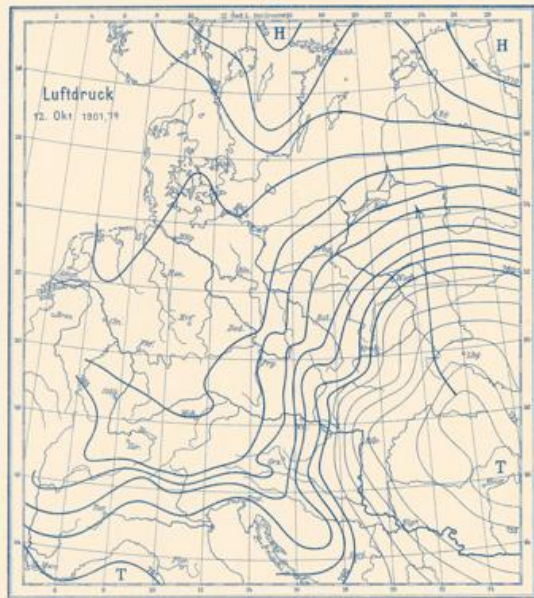
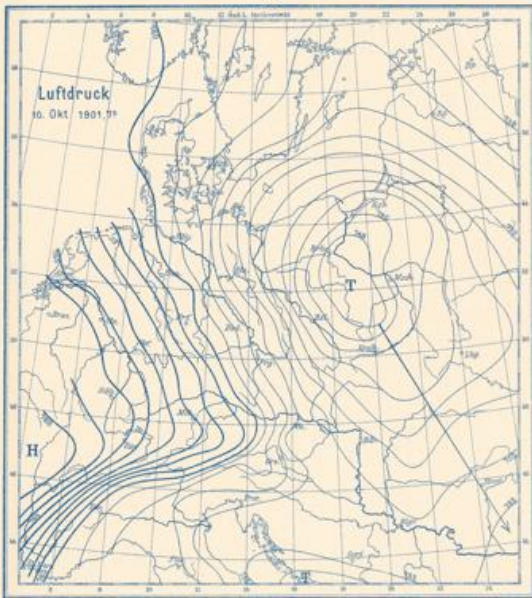
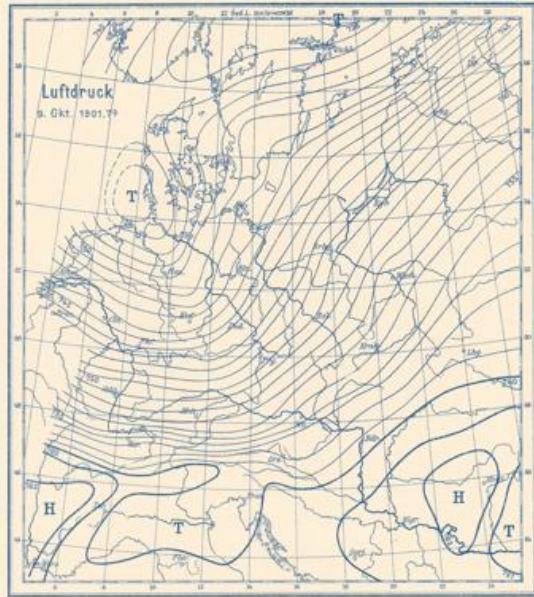
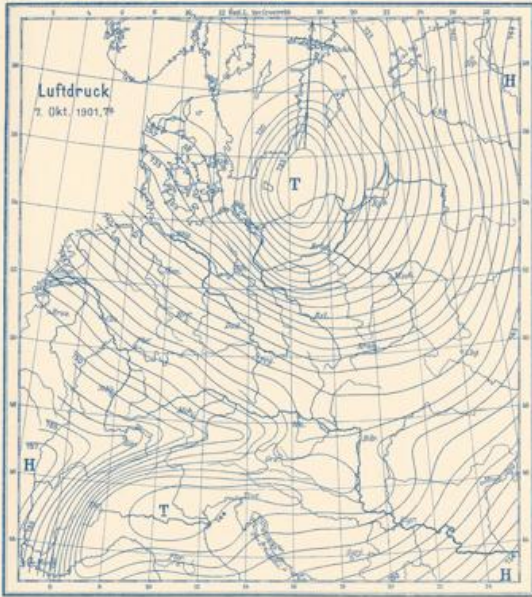
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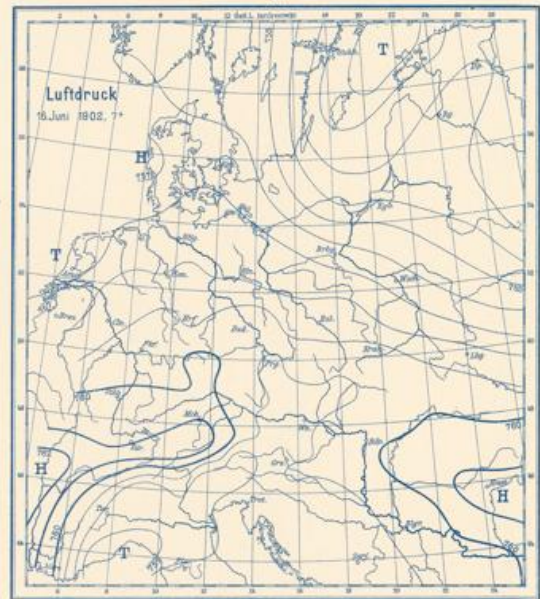
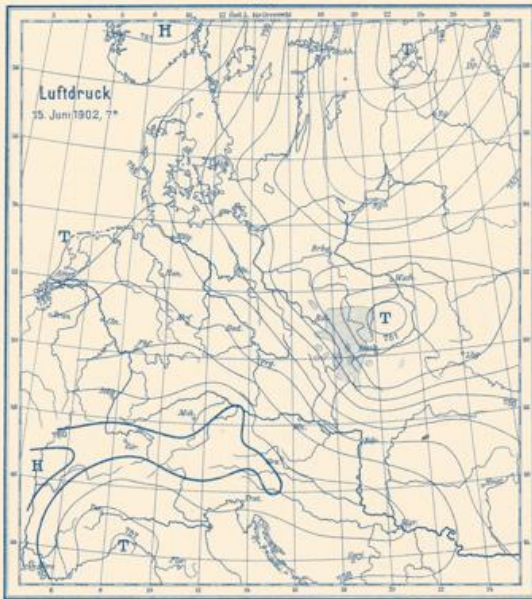
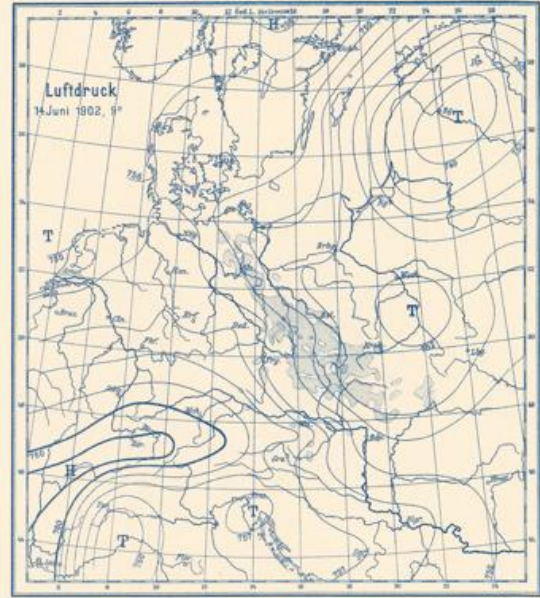
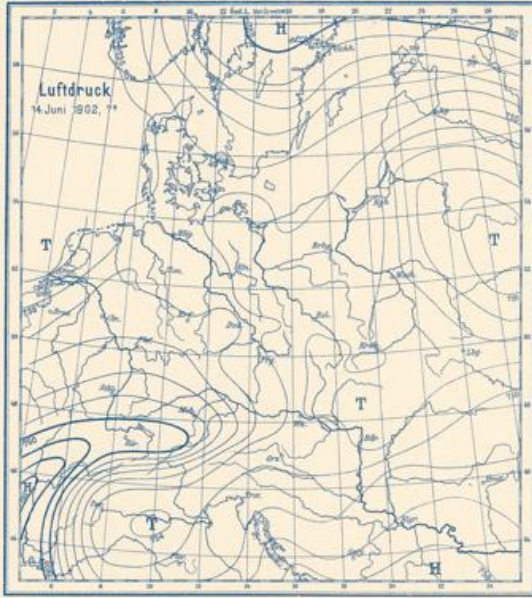


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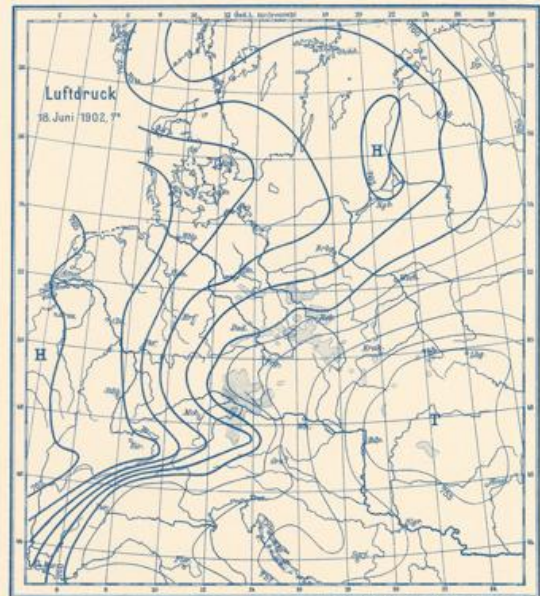
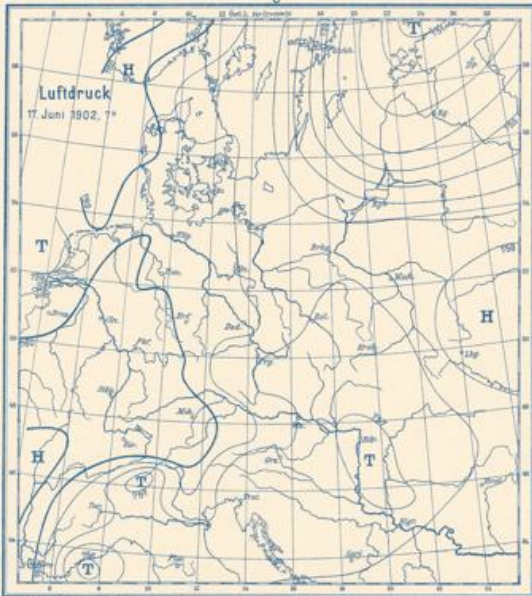


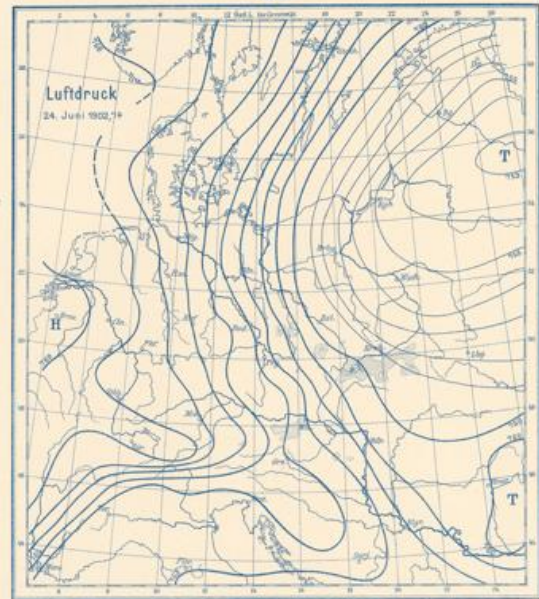
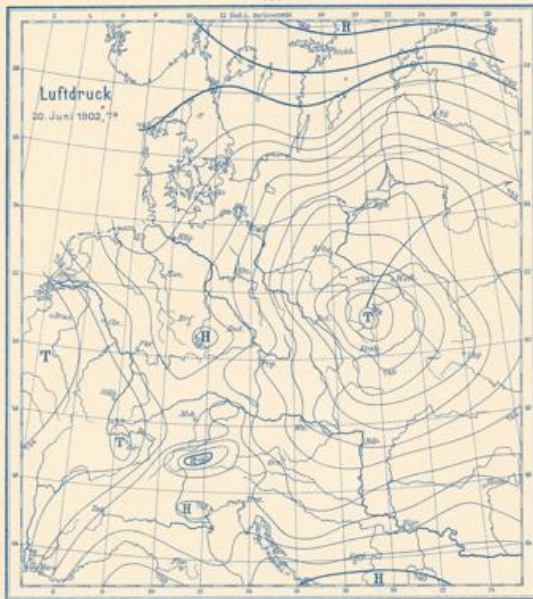
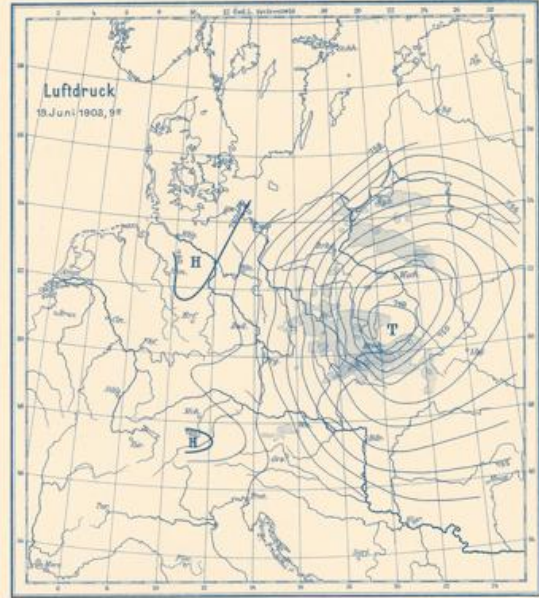
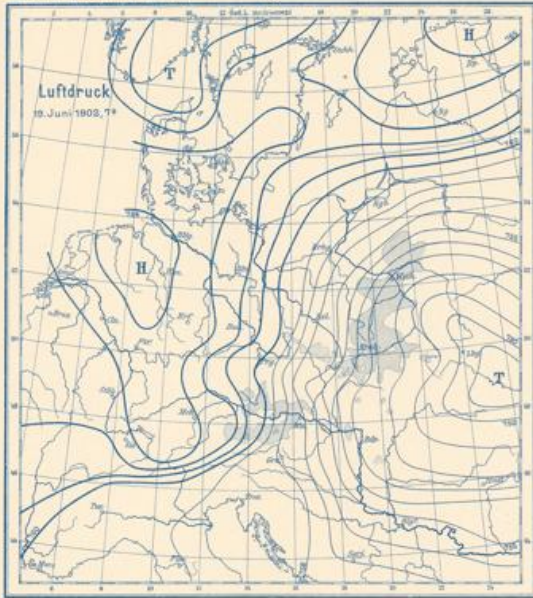




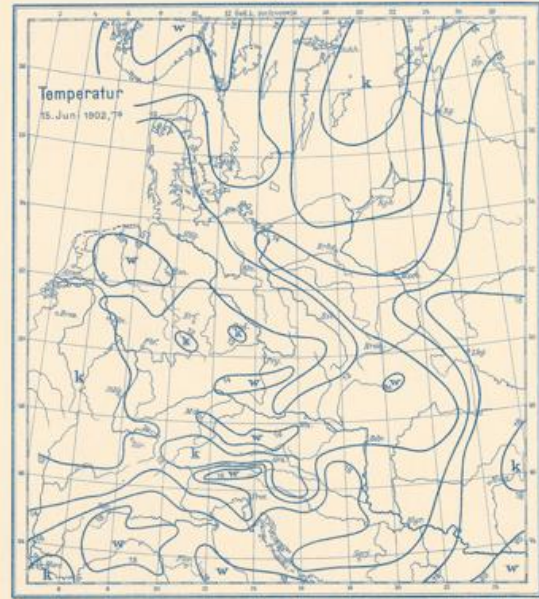


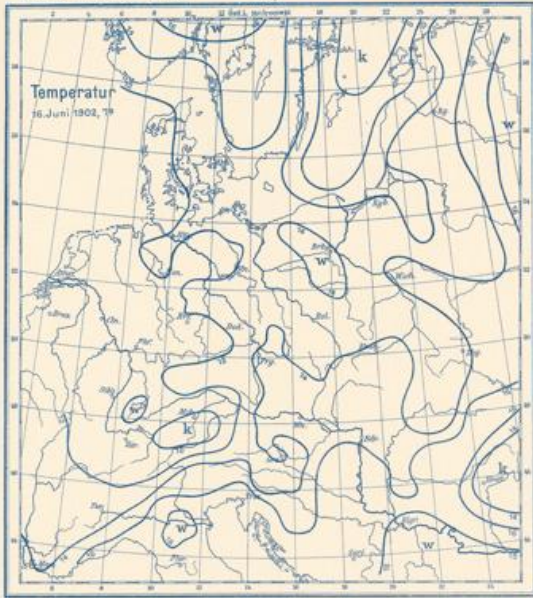
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Niederschläge

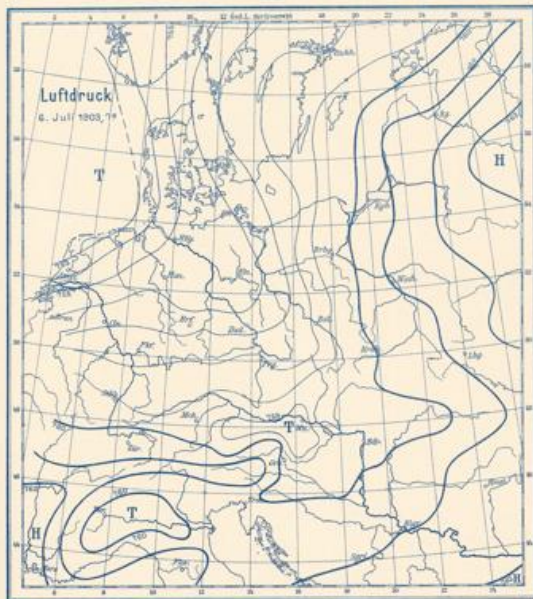




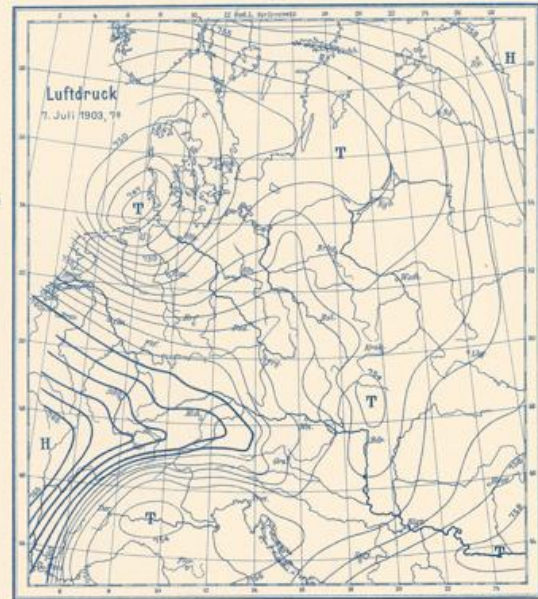
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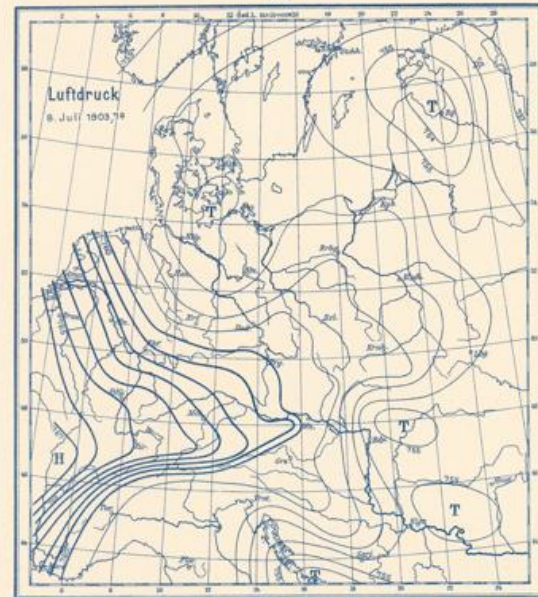
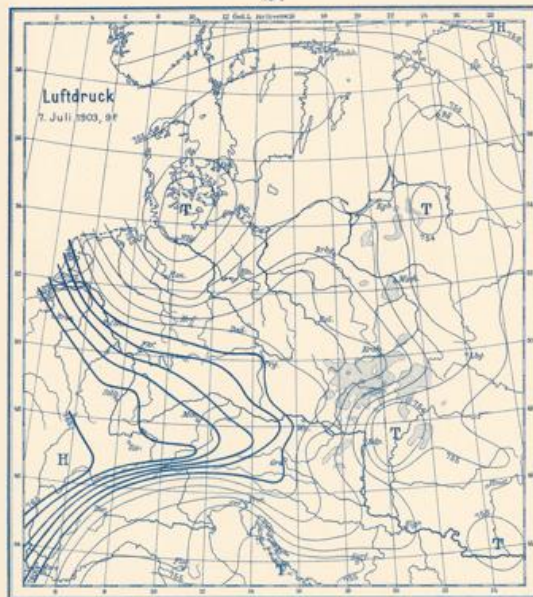
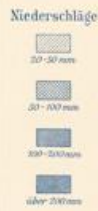
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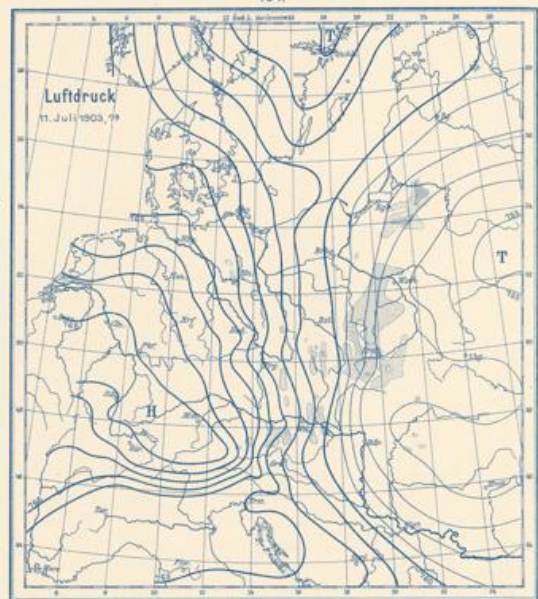
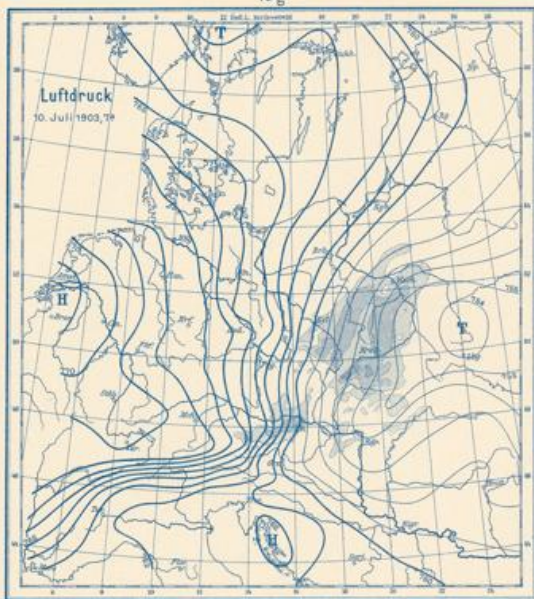
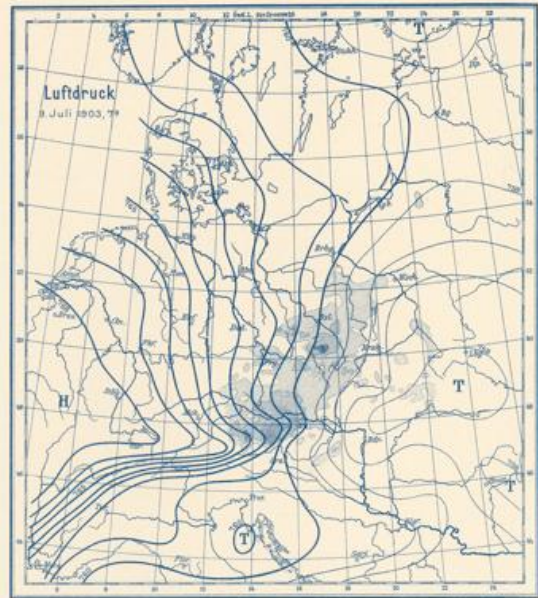
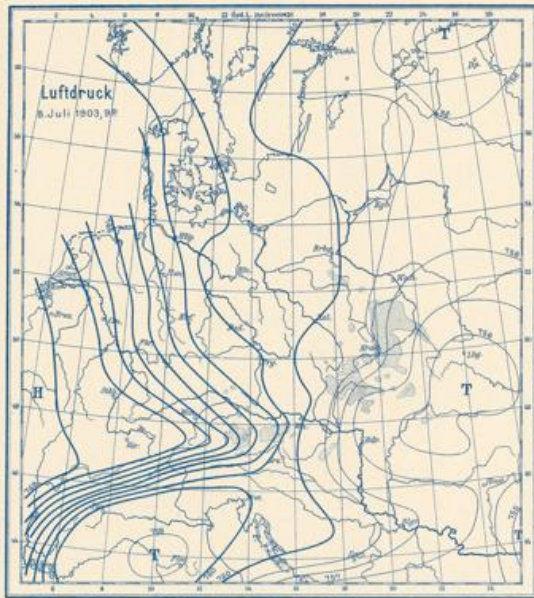


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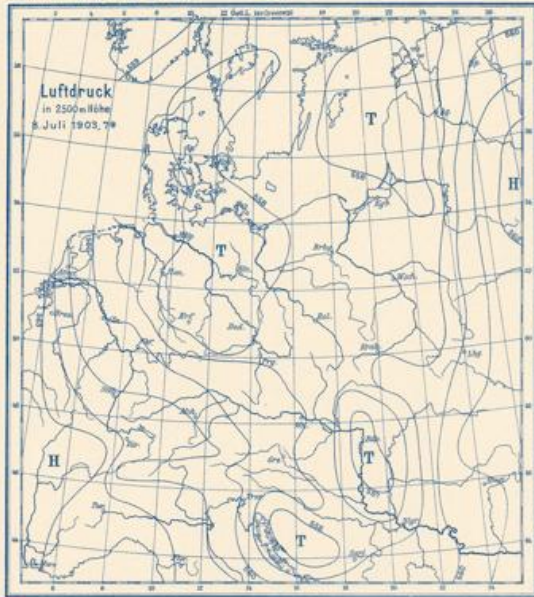
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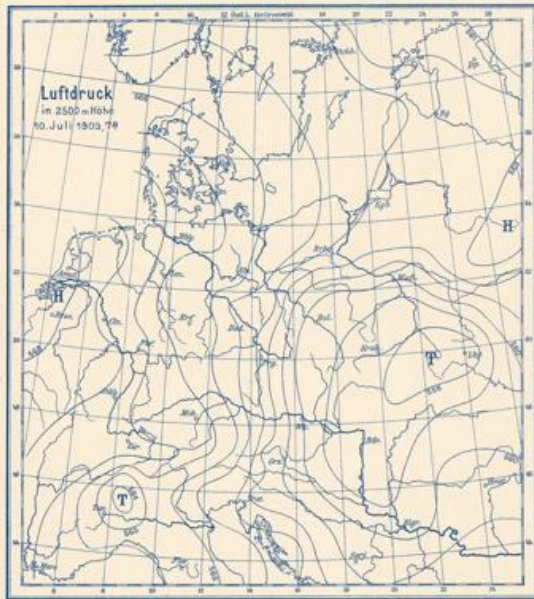


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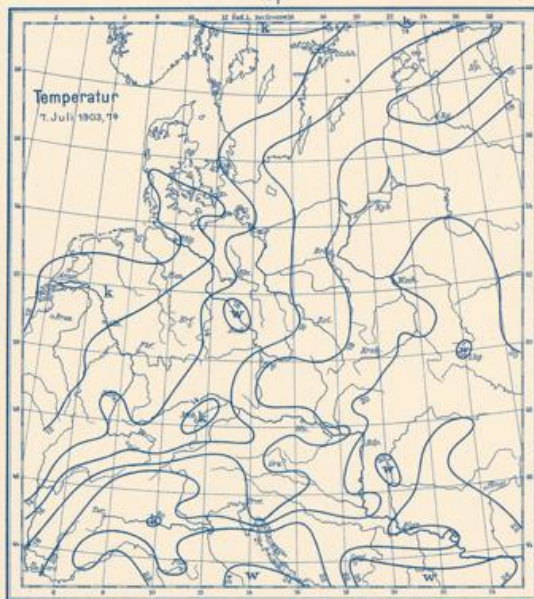




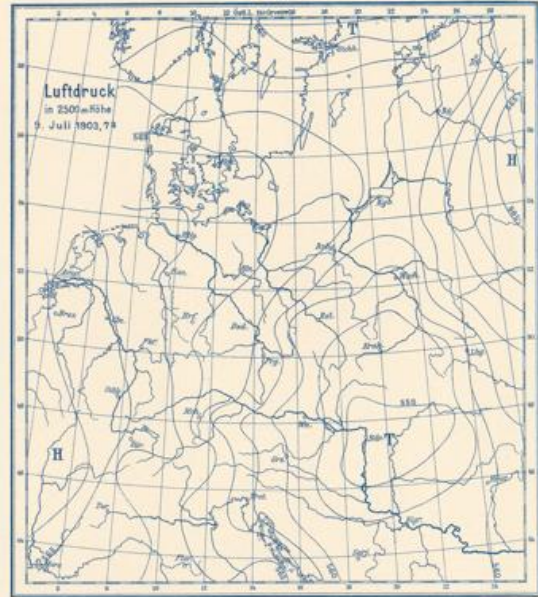
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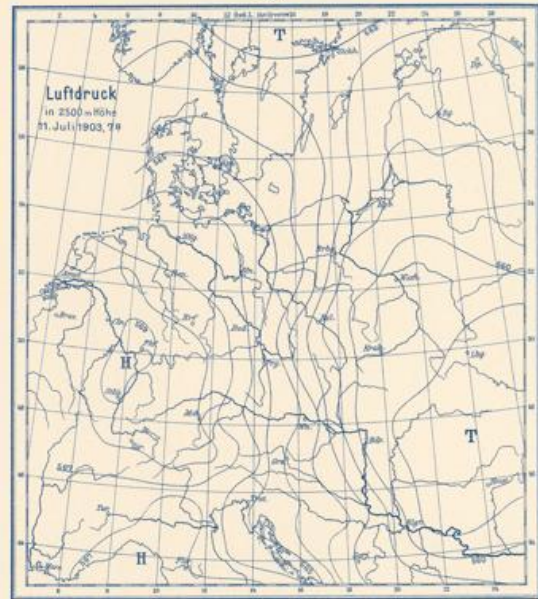
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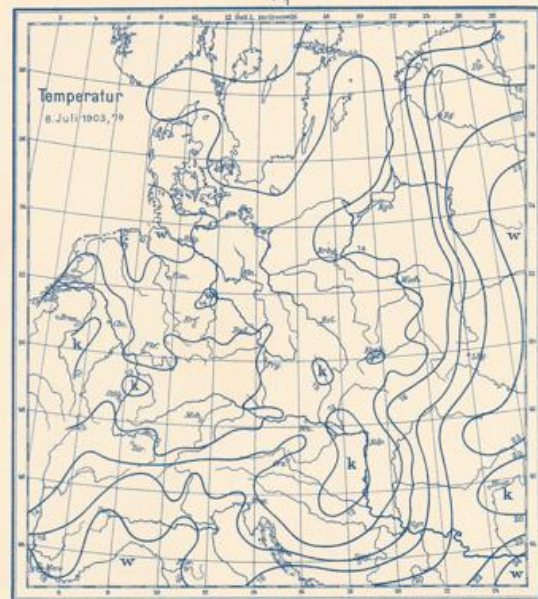
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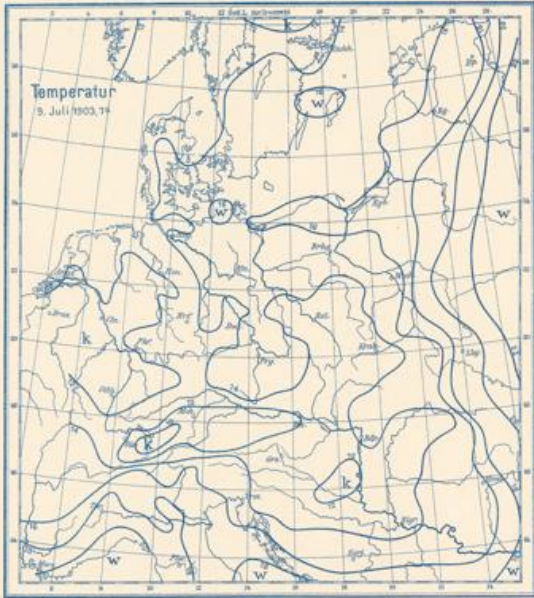
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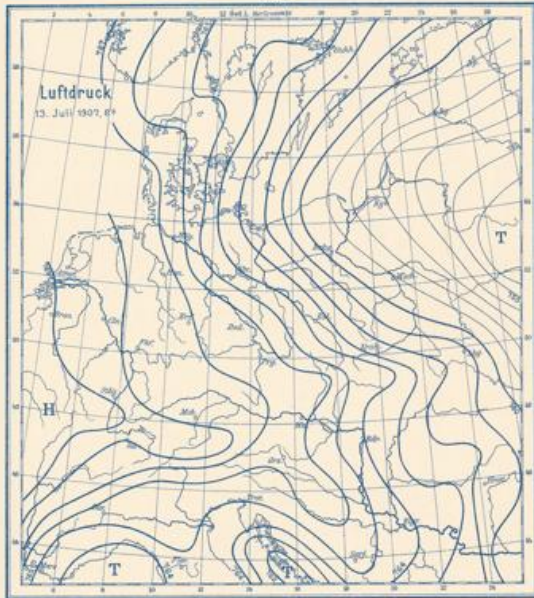
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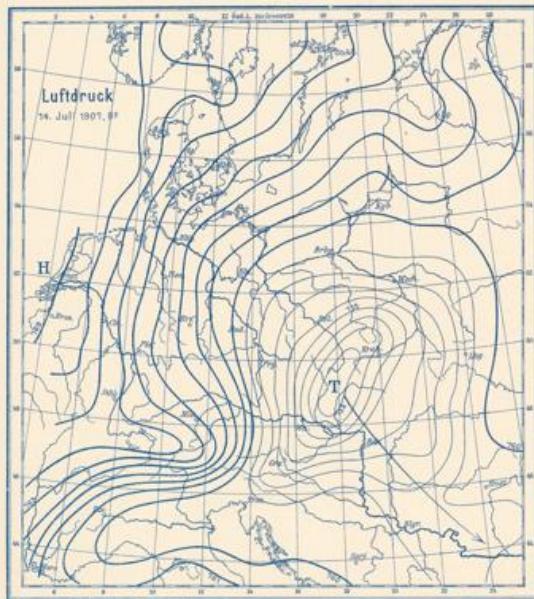
Geogr.-litth. Anst. u. Sternw. v. C.L. Becker Berlin S.



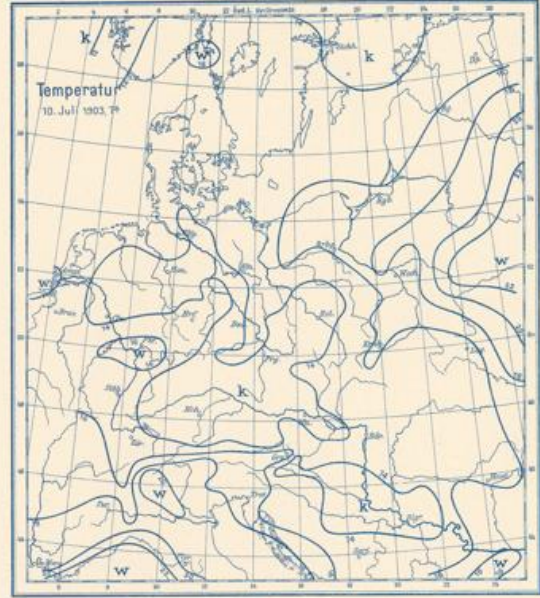
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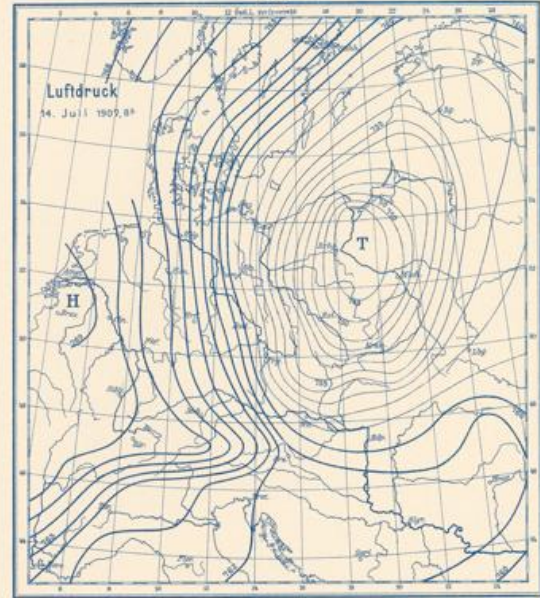
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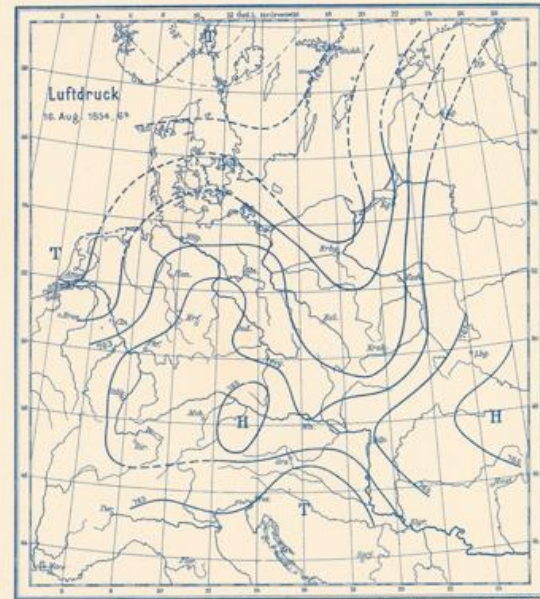
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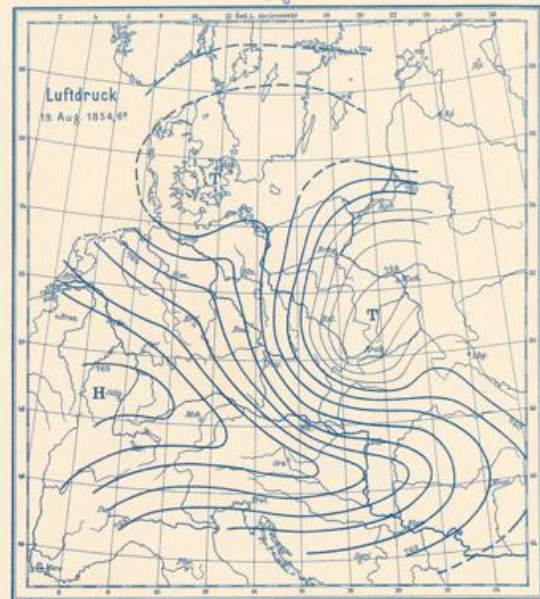
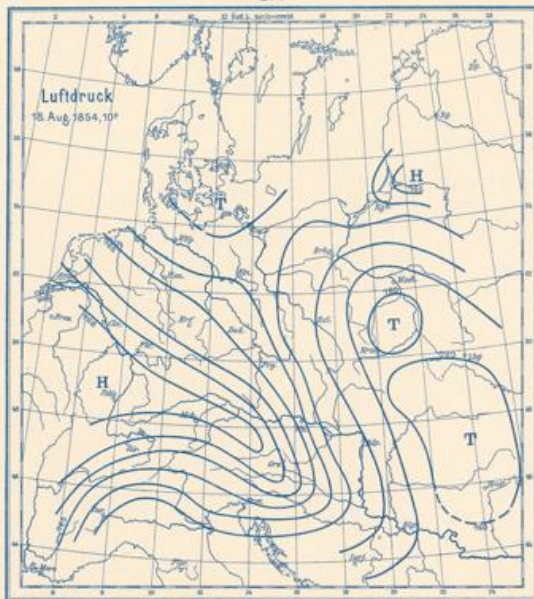
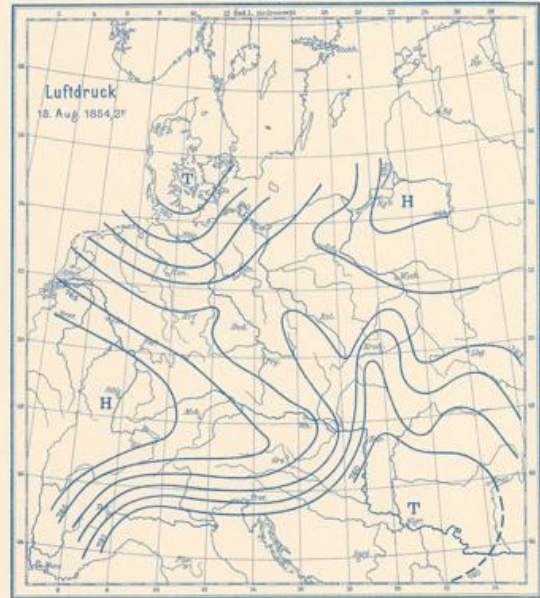
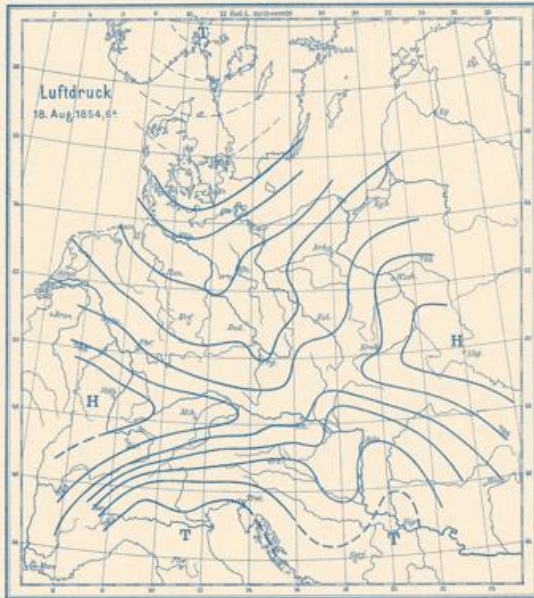
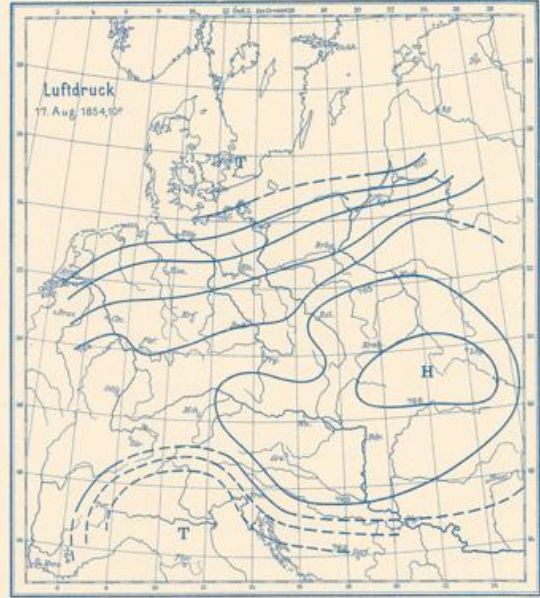
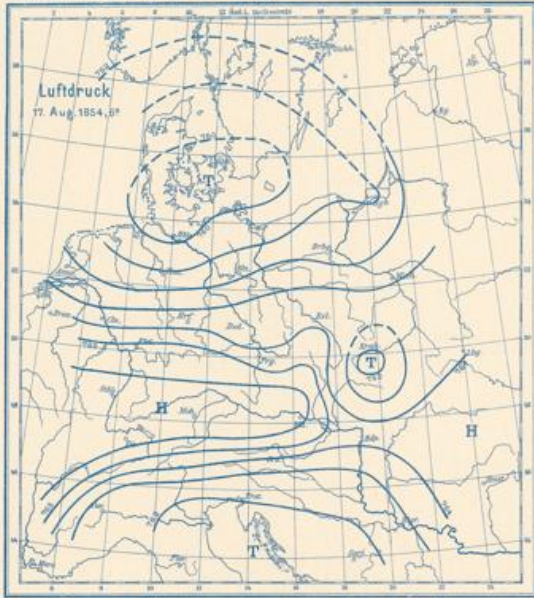
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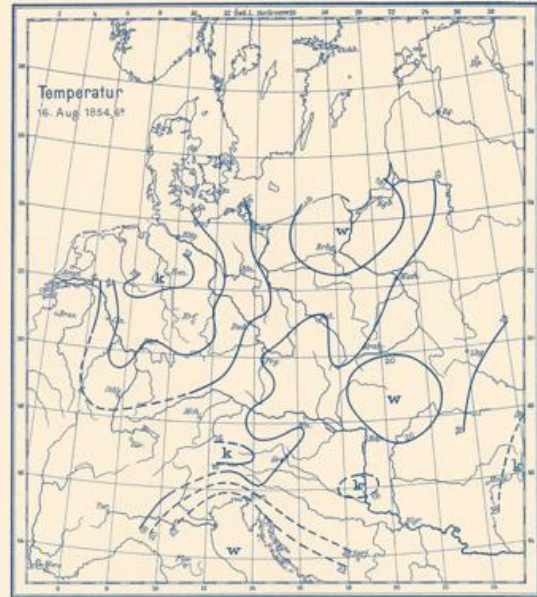
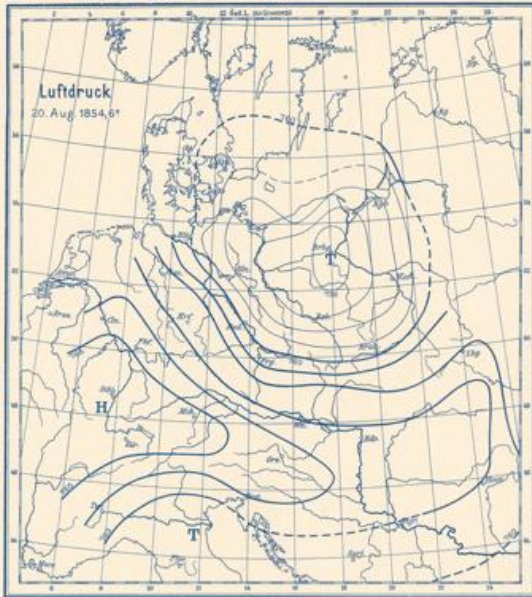


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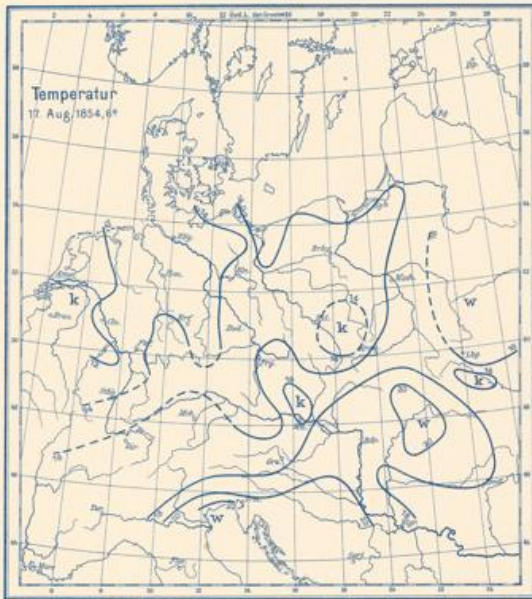


Geogr. Anst. u. Sternw. v. C.L. Wolff, Berlin S.

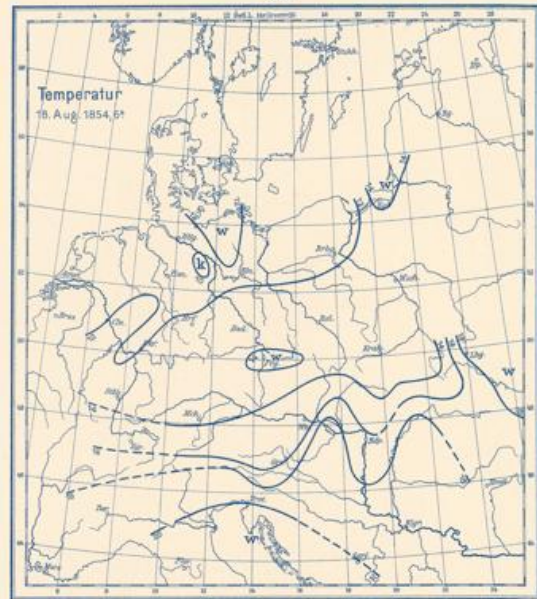




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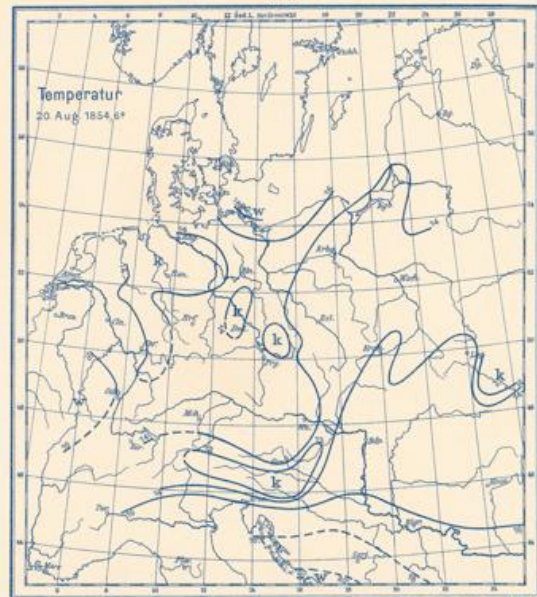
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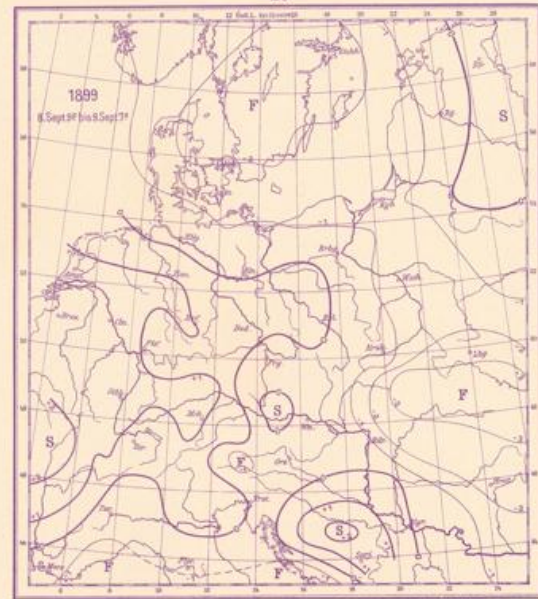
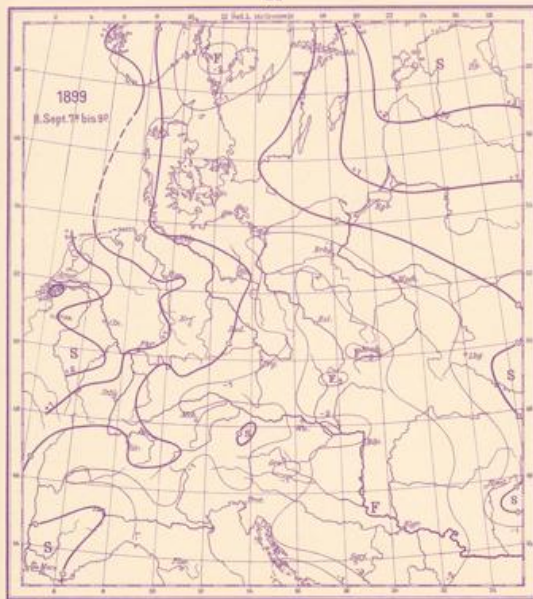
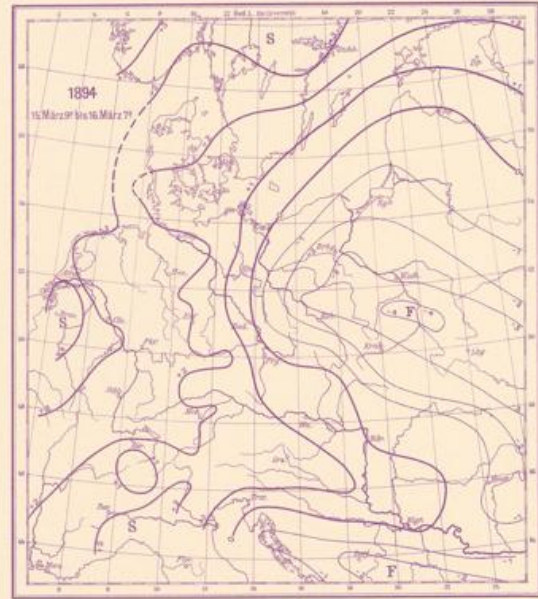
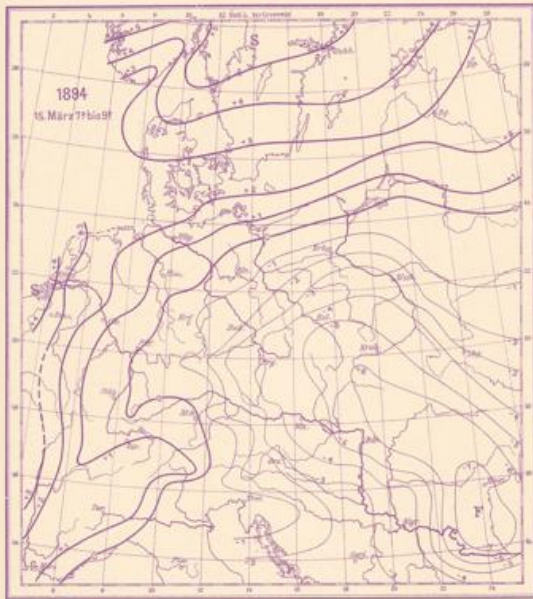
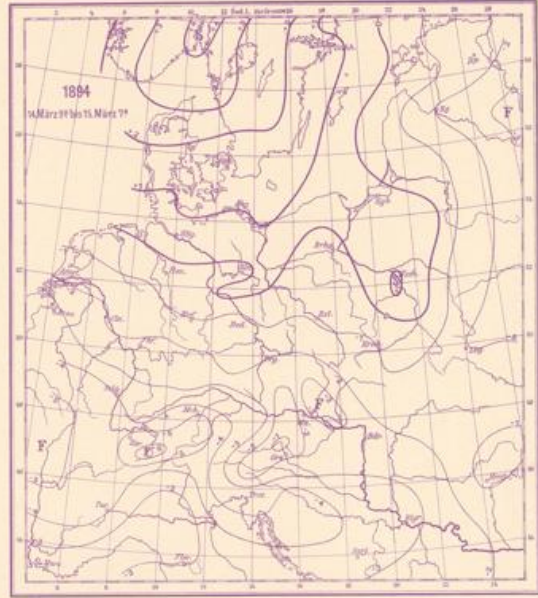
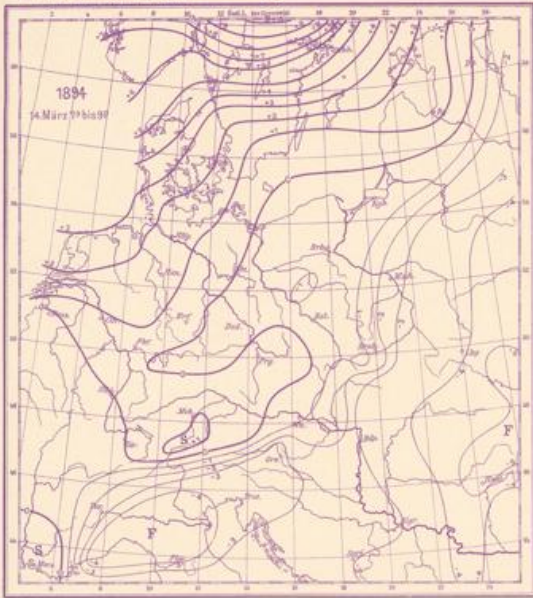


21m



21n





Isallobaren-Karten

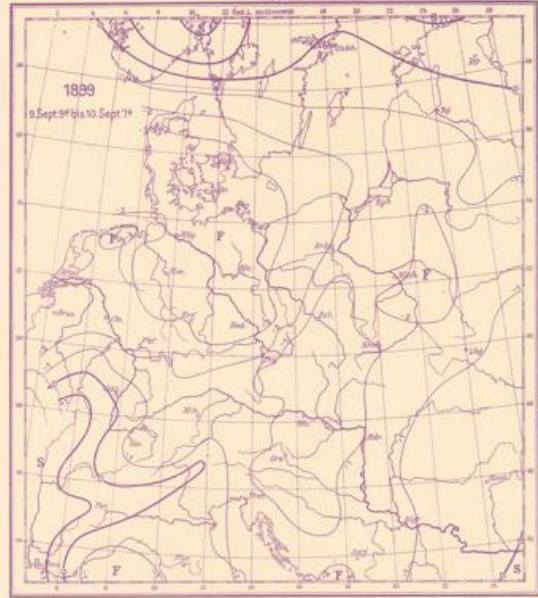
Sommer-Hochwasser der Ode...

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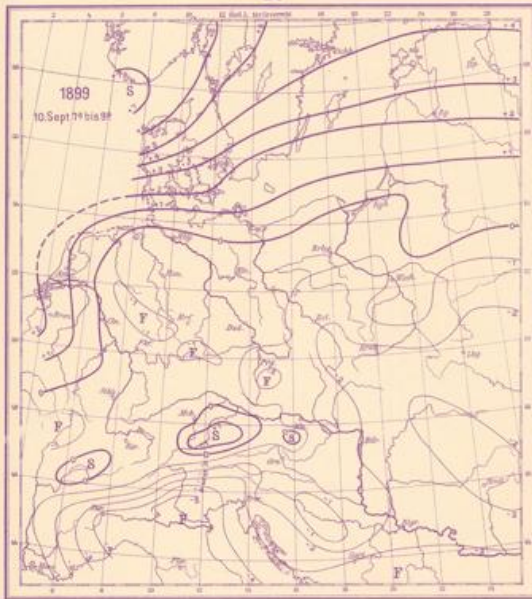


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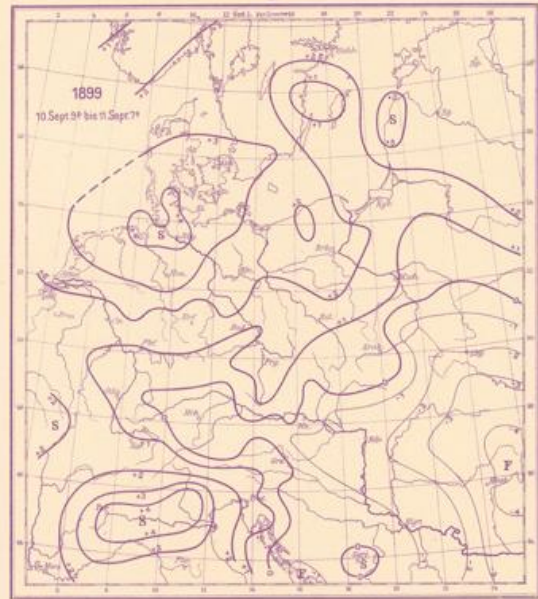
Tafel 54



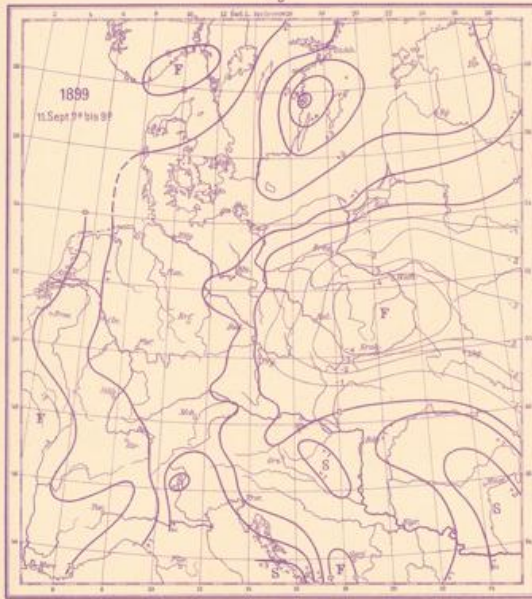
2e



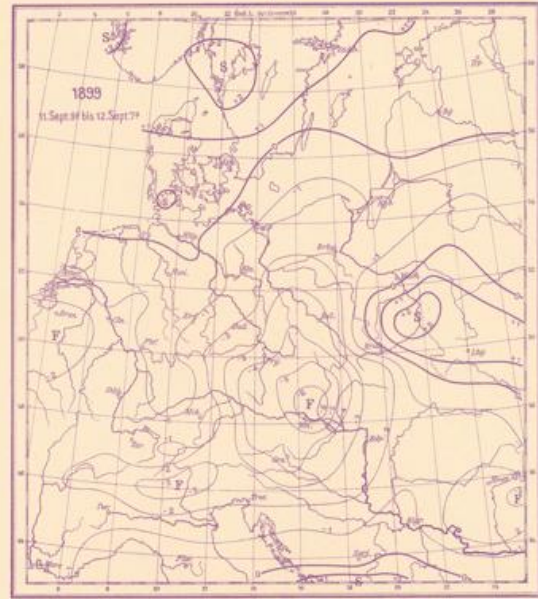
2f



2g



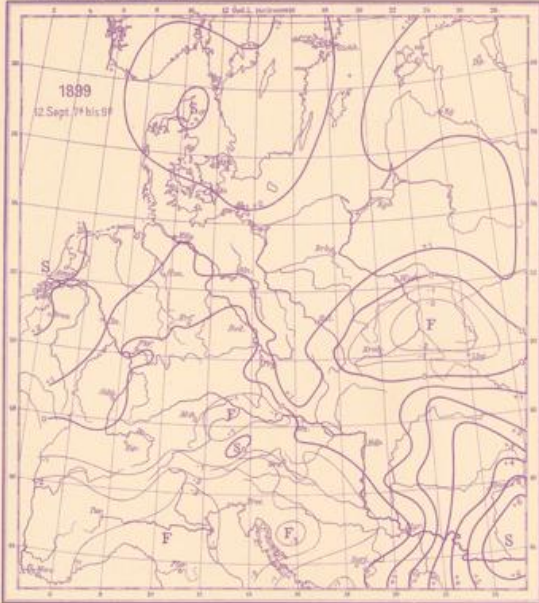
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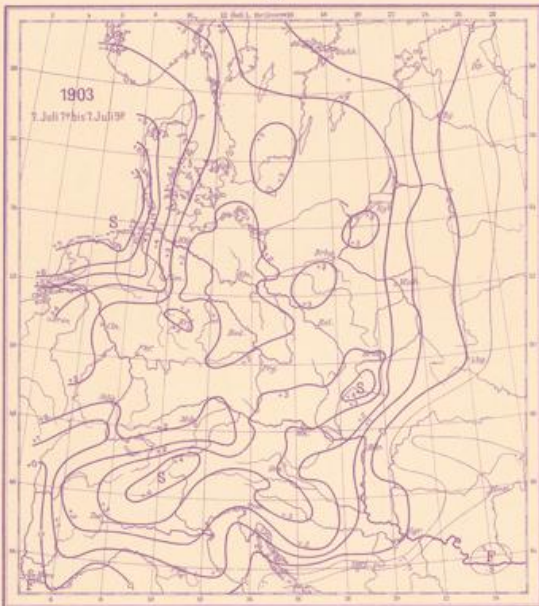
Veröffentl. d. Königl. Preuss. Meteorol. Instituts.

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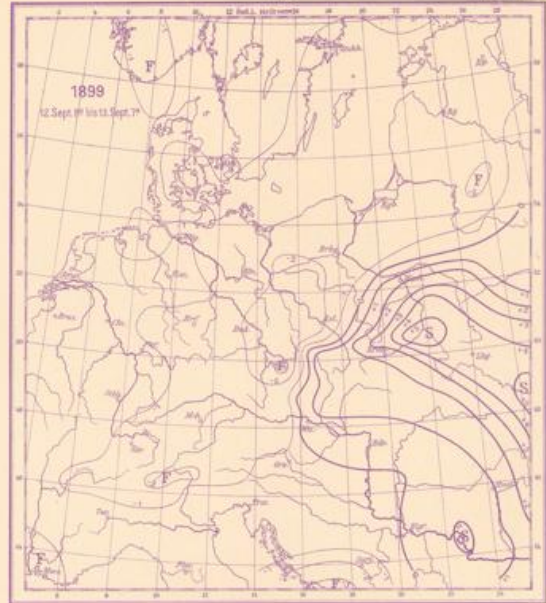
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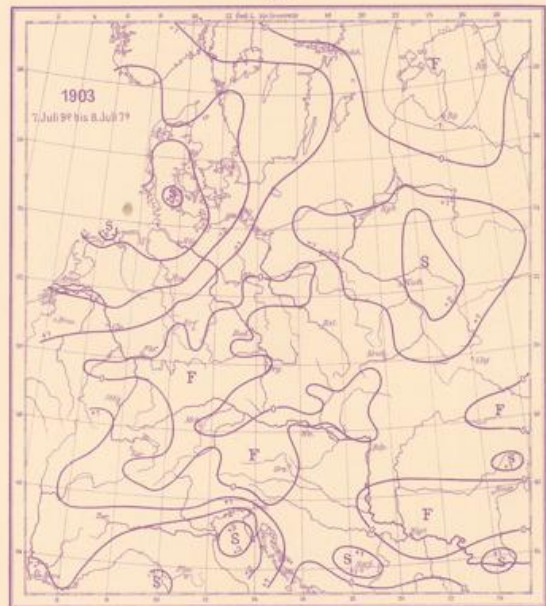
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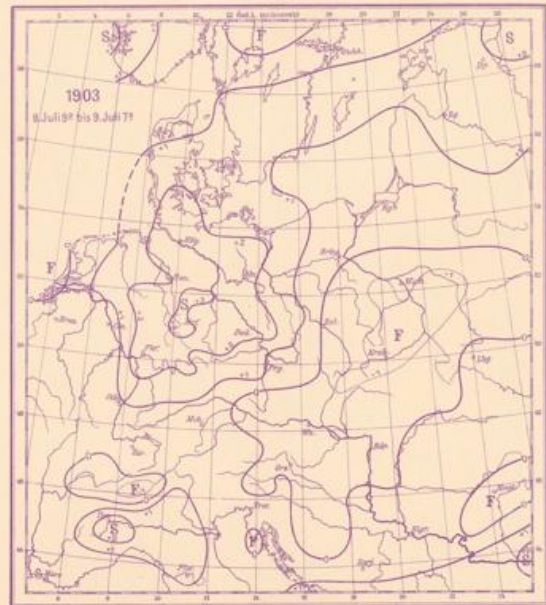
Veröffentl. d. Königl. Preuss. Meteorol. Instituts.



3b



3d



Geogr.-ethn. Inst. u. Sternw. v. C. L. Koller, Berlin S.