

Konzentrationen von SO₂, NO₂, O₃ und PM₁₀ aus dem Luftmessnetz des Umweltbundesamtes

September 2014

Basis der Statistik sind Halbstundenwerte kontinuierlich registrierender Messgeräte. Die 5-jährige Monatsstatistik berücksichtigt alle Halbstundenwerte aus dem jeweiligen Monat der vorangegangenen 5 Jahre.

Die Nachweisgrenzen sind: SO₂ 0.2 µg/m³, NO₂ 0.3 µg/m³, Ozon 2 µg/m³. Die Messwerte der Gase und PM₁₀ sind auf 20 °C bezogen.

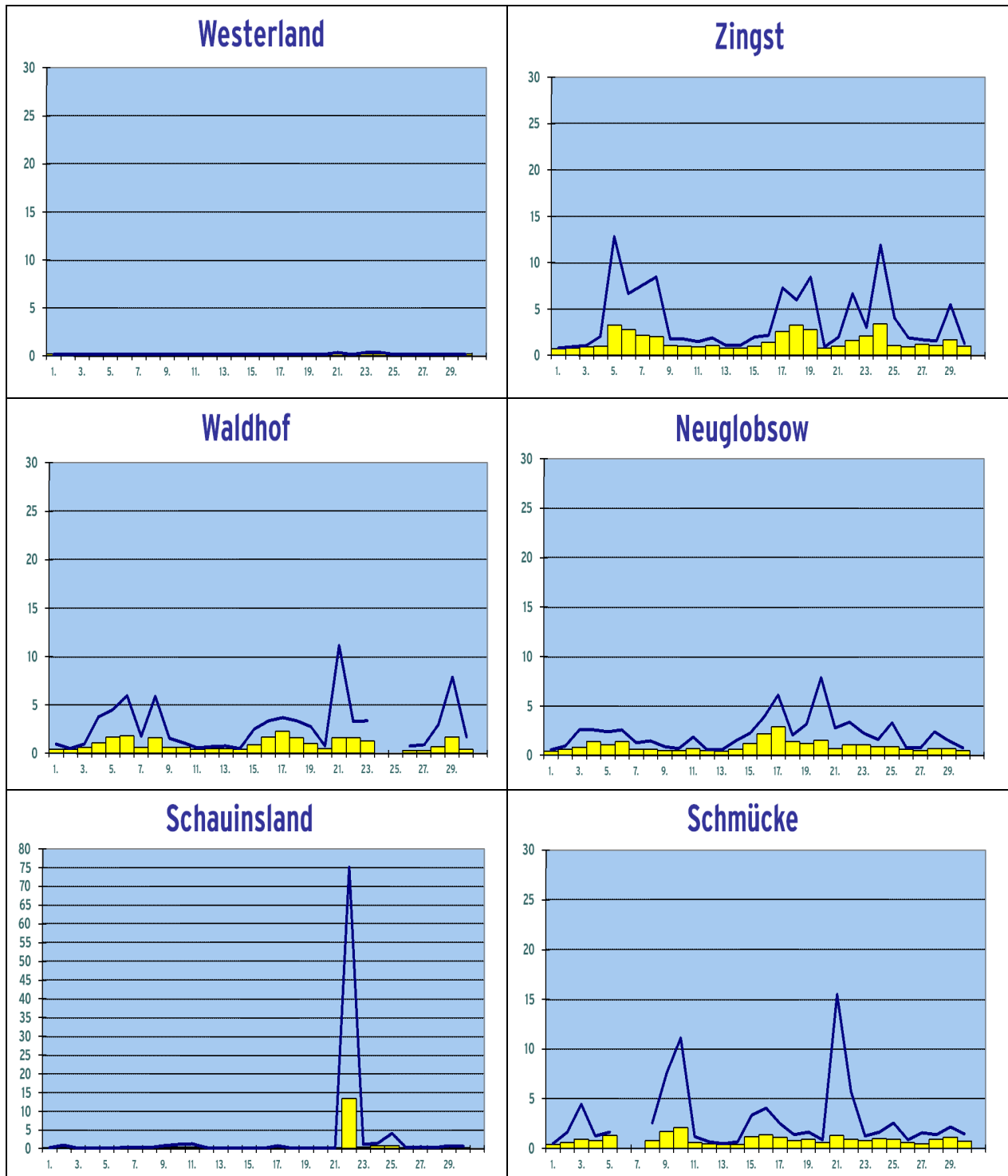
Schwefeldioxid

in $\mu\text{g}/\text{m}^3$, bezogen auf 20 °C

| | | Wester- land | Zingst | Neu- globow | Waldhof | Schmücke | Schau- insland |
|-----------------|--------------------------|-----------------|--------|----------------|---------|----------|-------------------|
| Tagesmittel | 1. | 0.2 | 0.7 | 0.4 | 0.4 | 0.4 | 0.2 |
| | 2. | 0.2 | 0.8 | 0.6 | 0.4 | 0.6 | 0.4 |
| | 3. | 0.2 | 0.9 | 0.8 | 0.6 | 0.9 | 0.2 |
| | 4. | 0.2 | 1.0 | 1.4 | 1.1 | 0.8 | 0.2 |
| | 5. | 0.2 | 3.3 | 1.1 | 1.7 | 1.3 | 0.2 |
| | 6. | 0.2 | 2.8 | 1.4 | 1.8 | - | 0.2 |
| | 7. | 0.2 | 2.2 | 0.6 | 0.6 | - | 0.2 |
| | 8. | 0.2 | 2.0 | 0.6 | 1.6 | 0.8 | 0.2 |
| | 9. | 0.2 | 1.1 | 0.5 | 0.6 | 1.7 | 0.4 |
| | 10. | 0.2 | 1.0 | 0.5 | 0.6 | 2.1 | 0.5 |
| | 11. | 0.2 | 0.9 | 0.7 | 0.4 | 0.6 | 0.4 |
| | 12. | 0.2 | 1.1 | 0.5 | 0.5 | 0.5 | 0.2 |
| | 13. | 0.2 | 0.8 | 0.4 | 0.5 | 0.4 | 0.2 |
| | 14. | 0.2 | 0.8 | 0.6 | 0.4 | 0.4 | 0.2 |
| | 15. | 0.2 | 1.0 | 1.2 | 0.9 | 1.2 | 0.2 |
| | 16. | 0.2 | 1.4 | 2.2 | 1.7 | 1.4 | 0.2 |
| | 17. | 0.2 | 2.6 | 2.9 | 2.3 | 1.1 | 0.2 |
| | 18. | 0.2 | 3.3 | 1.4 | 1.6 | 0.8 | 0.2 |
| | 19. | 0.2 | 2.8 | 1.2 | 1.0 | 0.9 | 0.2 |
| | 20. | 0.2 | 0.8 | 1.5 | 0.5 | 0.6 | 0.2 |
| | 21. | 0.2 | 1.0 | 0.7 | 1.6 | 1.3 | 0.2 |
| | 22. | 0.2 | 1.6 | 1.1 | 1.6 | 0.9 | 13.5 |
| | 23. | 0.2 | 2.1 | 1.1 | 1.3 | 0.8 | 0.5 |
| | 24. | 0.2 | 3.4 | 0.9 | - | 1.0 | 0.7 |
| | 25. | 0.2 | 1.1 | 0.9 | - | 0.9 | 0.8 |
| | 26. | 0.2 | 0.9 | 0.6 | 0.3 | 0.6 | 0.2 |
| | 27. | 0.2 | 1.2 | 0.5 | 0.3 | 0.5 | 0.3 |
| | 28. | 0.2 | 1.1 | 0.7 | 0.7 | 0.9 | 0.2 |
| | 29. | 0.2 | 1.7 | 0.7 | 1.7 | 1.1 | 0.4 |
| | 30. | 0.2 | 1.0 | 0.5 | 0.4 | 0.7 | 0.3 |
| | 31. | - | - | - | - | - | - |
| Monatsstatistik | Monatsmittel | 0.2 | 1.5 | 0.9 | 1.0 | 0.9 | 0.7 |
| | Maximales Tagesmittel | 0.2 | 3.4 | 2.9 | 2.3 | 2.1 | 13.5 |
| | Median | 0.2 | 1.0 | 0.6 | 0.5 | 0.7 | 0.2 |
| | 98-Perzentil | 0.2 | 6.4 | 3.2 | 4.5 | 3.5 | 4.1 |
| | 5-jähr. Monatsmittel | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 |
| | 5-jähr. max. Tagesmittel | 1.5 | 4.8 | 4.1 | 3.4 | 3.8 | 2.1 |

Schwefeldioxid

in $\mu\text{g}/\text{m}^3$, bezogen auf 20 °C



■ Tagesmittel — Tagesmaxima

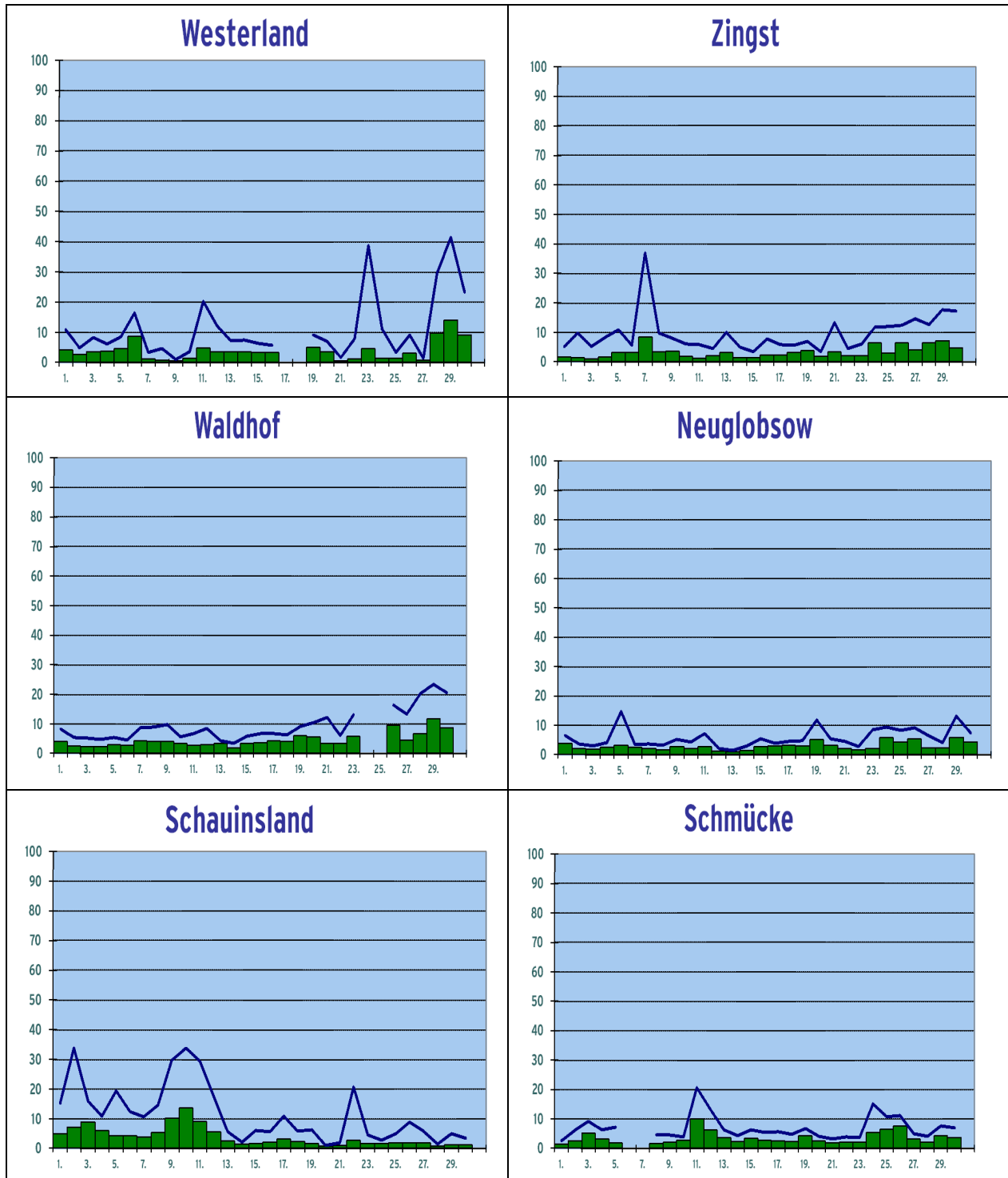
Stickstoffdioxid

in $\mu\text{g}/\text{m}^3$, bezogen auf 20 °C

| | | Wester- land | Zingst | Neu- globow | Waldhof | Schmücke | Schau- insland |
|-----------------|--------------------------|-----------------|--------|----------------|---------|----------|-------------------|
| Tagesmittel | 1. | 4.2 | 1.6 | 3.8 | 4.0 | 1.5 | 4.9 |
| | 2. | 2.7 | 1.4 | 2.1 | 2.5 | 2.6 | 7.2 |
| | 3. | 3.6 | 1.0 | 1.8 | 2.4 | 5.2 | 8.9 |
| | 4. | 3.8 | 1.7 | 2.6 | 2.4 | 3.2 | 6.0 |
| | 5. | 4.6 | 3.2 | 3.1 | 3.0 | 1.8 | 4.2 |
| | 6. | 8.7 | 3.1 | 2.5 | 2.8 | - | 4.3 |
| | 7. | 1.1 | 8.5 | 2.0 | 4.3 | - | 3.9 |
| | 8. | 0.8 | 3.5 | 1.6 | 4.0 | 1.6 | 5.3 |
| | 9. | 0.6 | 3.6 | 2.8 | 4.0 | 2.1 | 10.1 |
| | 10. | 1.3 | 1.9 | 2.0 | 3.5 | 2.7 | 13.7 |
| | 11. | 4.9 | 1.3 | 2.8 | 2.8 | 10.0 | 9.0 |
| | 12. | 3.6 | 2.1 | 1.2 | 3.0 | 6.3 | 5.5 |
| | 13. | 3.5 | 3.1 | 0.9 | 3.3 | 3.7 | 2.6 |
| | 14. | 3.6 | 1.4 | 1.5 | 1.9 | 2.4 | 1.5 |
| | 15. | 3.3 | 1.5 | 2.8 | 3.4 | 3.5 | 1.7 |
| | 16. | 3.3 | 2.2 | 2.9 | 3.7 | 2.7 | 2.0 |
| | 17. | - | 2.4 | 3.2 | 4.3 | 2.6 | 3.2 |
| | 18. | - | 3.2 | 2.9 | 4.1 | 2.4 | 2.4 |
| | 19. | 5.1 | 3.8 | 5.2 | 6.0 | 4.4 | 1.7 |
| | 20. | 3.6 | 1.8 | 3.2 | 5.6 | 2.5 | 0.8 |
| | 21. | 0.6 | 3.5 | 2.2 | 3.4 | 1.9 | 1.0 |
| | 22. | 1.1 | 2.1 | 1.7 | 3.4 | 2.2 | 2.8 |
| | 23. | 4.5 | 2.1 | 2.0 | 5.8 | 2.1 | 1.7 |
| | 24. | 1.4 | 6.5 | 5.8 | - | 5.5 | 1.6 |
| | 25. | 1.3 | 3.0 | 4.3 | - | 6.5 | 1.8 |
| | 26. | 3.2 | 6.5 | 5.4 | 9.5 | 7.7 | 1.8 |
| | 27. | 0.7 | 4.1 | 2.3 | 4.4 | 3.1 | 1.9 |
| | 28. | 9.7 | 6.5 | 2.4 | 6.7 | 2.0 | 0.8 |
| | 29. | 14.1 | 7.1 | 5.9 | 11.7 | 4.2 | 1.1 |
| | 30. | 9.1 | 4.8 | 4.3 | 8.6 | 3.6 | 1.3 |
| | 31. | - | - | - | - | - | - |
| Monatsstatistik | Monatsmittel | 3.9 | 3.3 | 2.9 | 4.4 | 3.6 | 3.8 |
| | Maximales Tagesmittel | 14.1 | 8.5 | 5.9 | 11.7 | 10.0 | 13.7 |
| | Median | 2.8 | 2.4 | 2.5 | 3.7 | 2.8 | 2.3 |
| | 98-Perzentil | 19.2 | 11.9 | 8.1 | 14.9 | 13.2 | 19.1 |
| | 5-jähr. Monatsmittel | 3.4 | 5.8 | 3.5 | 6.1 | 3.5 | 1.8 |
| | 5-jähr. max. Tagesmittel | 30.3 | 12.8 | 8.6 | 14.5 | 9.3 | 6.9 |

Stickstoffdioxid

in $\mu\text{g}/\text{m}^3$, bezogen auf 20 °C



■ Tagesmittel

— Tagesmaxima

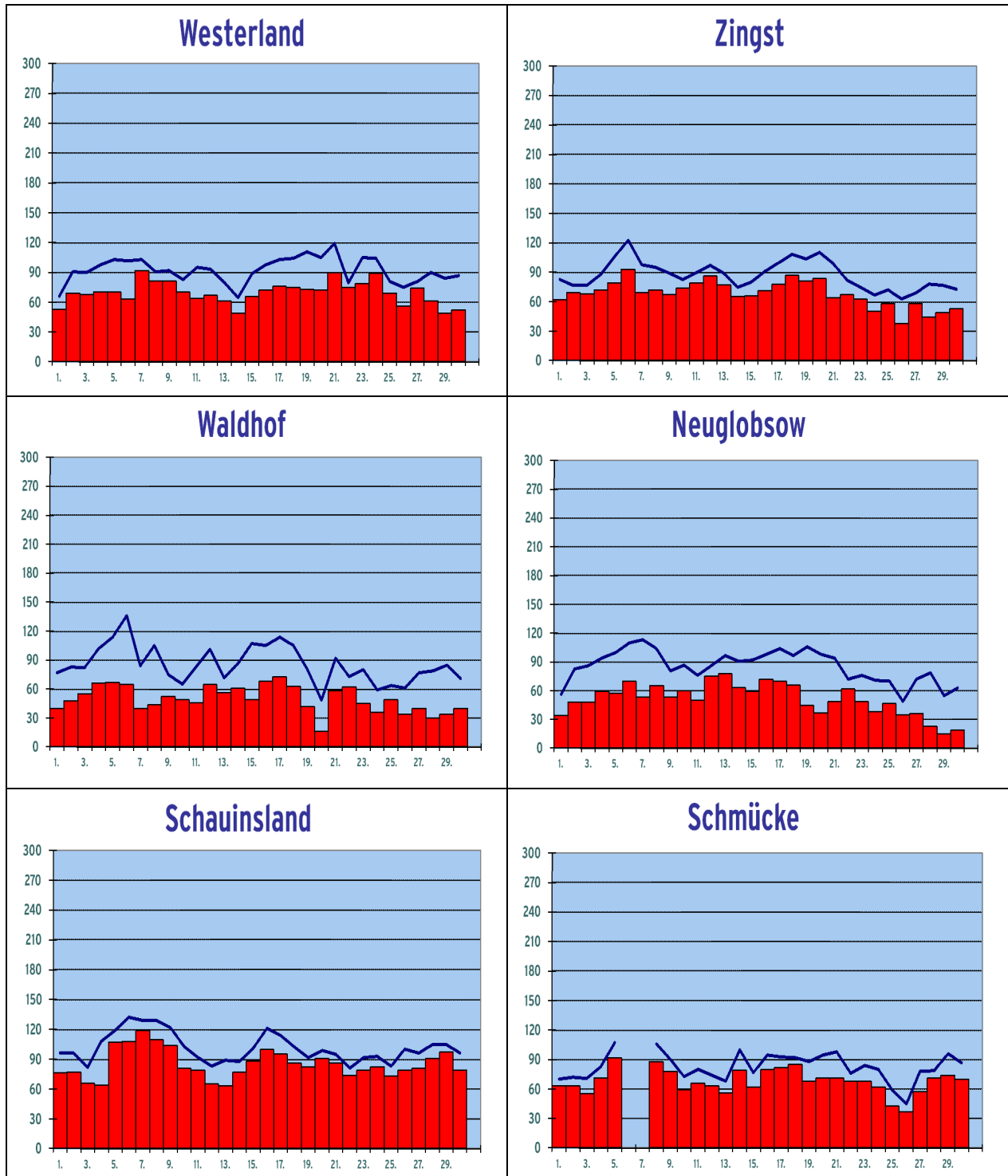
Ozon

in $\mu\text{g}/\text{m}^3$, bezogen auf 20 °C

| | | Wester- land | Zingst | Neu- globso w | Waldhof | Schmücke | Schau- insland |
|-----------------|--------------------------|-----------------|--------|---------------------|---------|----------|-------------------|
| Tagesmittel | 1. | 53 | 62 | 34 | 40 | 63 | 76 |
| | 2. | 69 | 69 | 48 | 48 | 63 | 77 |
| | 3. | 68 | 68 | 48 | 55 | 55 | 66 |
| | 4. | 70 | 72 | 59 | 66 | 71 | 64 |
| | 5. | 70 | 79 | 57 | 67 | 92 | 107 |
| | 6. | 63 | 93 | 70 | 65 | - | 108 |
| | 7. | 92 | 69 | 53 | 40 | - | 119 |
| | 8. | 81 | 72 | 65 | 44 | 88 | 110 |
| | 9. | 81 | 67 | 53 | 52 | 78 | 104 |
| | 10. | 70 | 74 | 60 | 49 | 59 | 81 |
| | 11. | 64 | 79 | 50 | 46 | 66 | 79 |
| | 12. | 67 | 86 | 75 | 65 | 63 | 65 |
| | 13. | 61 | 77 | 78 | 56 | 56 | 63 |
| | 14. | 49 | 65 | 63 | 61 | 79 | 77 |
| | 15. | 66 | 66 | 59 | 49 | 62 | 88 |
| | 16. | 72 | 71 | 72 | 68 | 80 | 100 |
| | 17. | 76 | 78 | 70 | 73 | 82 | 95 |
| | 18. | 75 | 87 | 66 | 63 | 85 | 86 |
| | 19. | 73 | 81 | 45 | 42 | 68 | 82 |
| | 20. | 72 | 84 | 37 | 16 | 71 | 91 |
| | 21. | 90 | 64 | 49 | 58 | 71 | 86 |
| | 22. | 75 | 67 | 62 | 62 | 68 | 74 |
| | 23. | 79 | 63 | 49 | 45 | 68 | 79 |
| | 24. | 89 | 50 | 38 | 36 | 62 | 82 |
| | 25. | 69 | 58 | 47 | 49 | 43 | 73 |
| | 26. | 56 | 38 | 35 | 34 | 37 | 79 |
| | 27. | 74 | 58 | 36 | 40 | 57 | 81 |
| | 28. | 61 | 44 | 23 | 30 | 71 | 91 |
| | 29. | 49 | 49 | 15 | 34 | 74 | 97 |
| | 30. | 52 | 53 | 19 | 40 | 70 | 79 |
| | 31. | - | - | - | - | - | - |
| Monatsstatistik | Monatsmittel | 70 | 68 | 51 | 50 | 68 | 85 |
| | Maximales Tagesmittel | 92 | 93 | 78 | 73 | 92 | 119 |
| | Median | 72 | 68 | 54 | 49 | 68 | 83 |
| | 98-Perzentil | 103 | 106 | 97 | 106 | 98 | 124 |
| | Max. 1-Stundenmittel | 116 | 121 | 110 | 135 | 107 | 130 |
| | 5-jähr. Monatsmittel | 65 | 55 | 42 | 48 | 68 | 86 |
| | 5-jähr. max. Tagesmittel | 85 | 91 | 91 | 94 | 122 | 127 |

Ozon

in $\mu\text{g}/\text{m}^3$, bezogen auf 20 °C



■ Tagesmittel

— Tagesmaxima

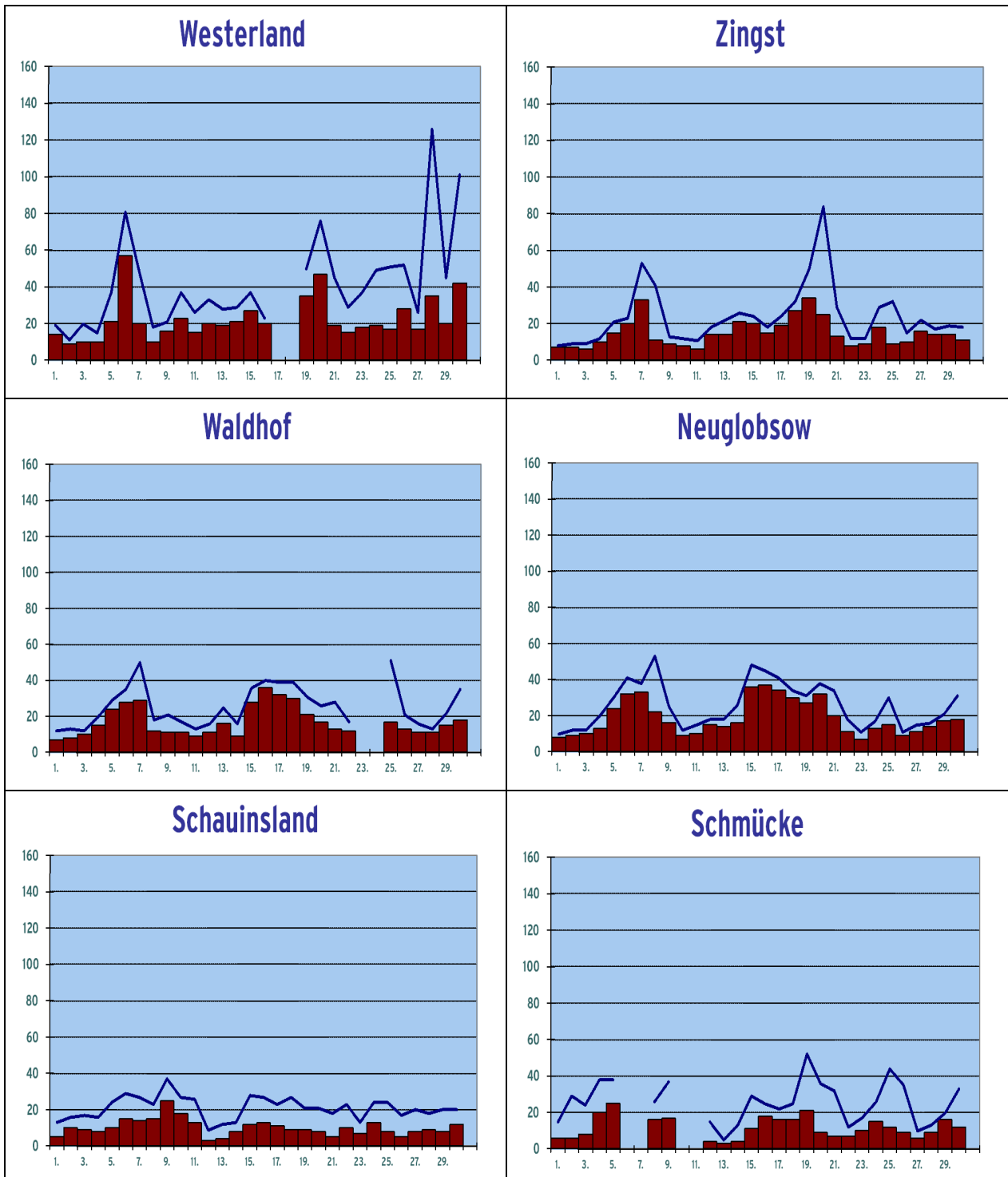
Feinstaub PM₁₀

in µg/m³, bezogen auf 20 °C

| | | Westerland | Zingst | Neuglobsow | Waldhof | Schmücke | Schauinsland |
|-----------------|--------------------------|------------|--------|------------|---------|----------|--------------|
| Tagesmittel | 1. | 14 | 7 | 8 | 7 | 6 | 5 |
| | 2. | 9 | 7 | 9 | 8 | 6 | 10 |
| | 3. | 10 | 6 | 10 | 10 | 8 | 9 |
| | 4. | 10 | 10 | 13 | 15 | 20 | 8 |
| | 5. | 21 | 15 | 24 | 24 | 25 | 10 |
| | 6. | 57 | 20 | 32 | 28 | - | 15 |
| | 7. | 20 | 33 | 33 | 29 | - | 14 |
| | 8. | 10 | 11 | 22 | 12 | 16 | 15 |
| | 9. | 16 | 9 | 16 | 11 | 17 | 25 |
| | 10. | 23 | 8 | 9 | 11 | - | 18 |
| | 11. | 15 | 6 | 10 | 9 | - | 13 |
| | 12. | 20 | 14 | 15 | 11 | 4 | 3 |
| | 13. | 19 | 14 | 14 | 16 | 3 | 4 |
| | 14. | 21 | 21 | 16 | 9 | 4 | 8 |
| | 15. | 27 | 20 | 36 | 28 | 11 | 12 |
| | 16. | 20 | 15 | 37 | 36 | 18 | 13 |
| | 17. | - | 19 | 34 | 32 | 16 | 11 |
| | 18. | - | 27 | 30 | 30 | 16 | 9 |
| | 19. | 35 | 34 | 27 | 21 | 21 | 9 |
| | 20. | 47 | 25 | 32 | 17 | 9 | 8 |
| | 21. | 19 | 13 | 20 | 13 | 7 | 5 |
| | 22. | 15 | 8 | 11 | 12 | 7 | 10 |
| | 23. | 18 | 9 | 7 | - | 10 | 7 |
| | 24. | 19 | 18 | 13 | - | 15 | 13 |
| | 25. | 17 | 9 | 15 | 17 | 12 | 8 |
| | 26. | 28 | 10 | 9 | 13 | 9 | 5 |
| | 27. | 17 | 16 | 11 | 11 | 6 | 8 |
| | 28. | 35 | 14 | 14 | 11 | 9 | 9 |
| | 29. | 20 | 14 | 17 | 15 | 16 | 8 |
| | 30. | 42 | 11 | 18 | 18 | 12 | 12 |
| | 31. | - | - | - | - | - | - |
| Monatsstatistik | Monatsmittel | 22 | 15 | 19 | 17 | 12 | 10 |
| | Maximales Tagesmittel | 57 | 34 | 37 | 36 | 25 | 25 |
| | Median | 18 | 13 | 15 | 14 | 9 | 9 |
| | 98-Perzentil | 64 | 41 | 41 | 39 | 35 | 26 |
| | 5-jähr. Monatsmittel | 15 | 11 | 15 | 12 | 12 | 10 |
| | 5-jähr. max. Tagesmittel | 40 | 28 | 70 | 27 | 59 | 28 |

PM₁₀

in $\mu\text{g}/\text{m}^3$, bezogen auf 20 °C



■ Tagesmittel

— Tagesmaxima