

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

November 2010

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.

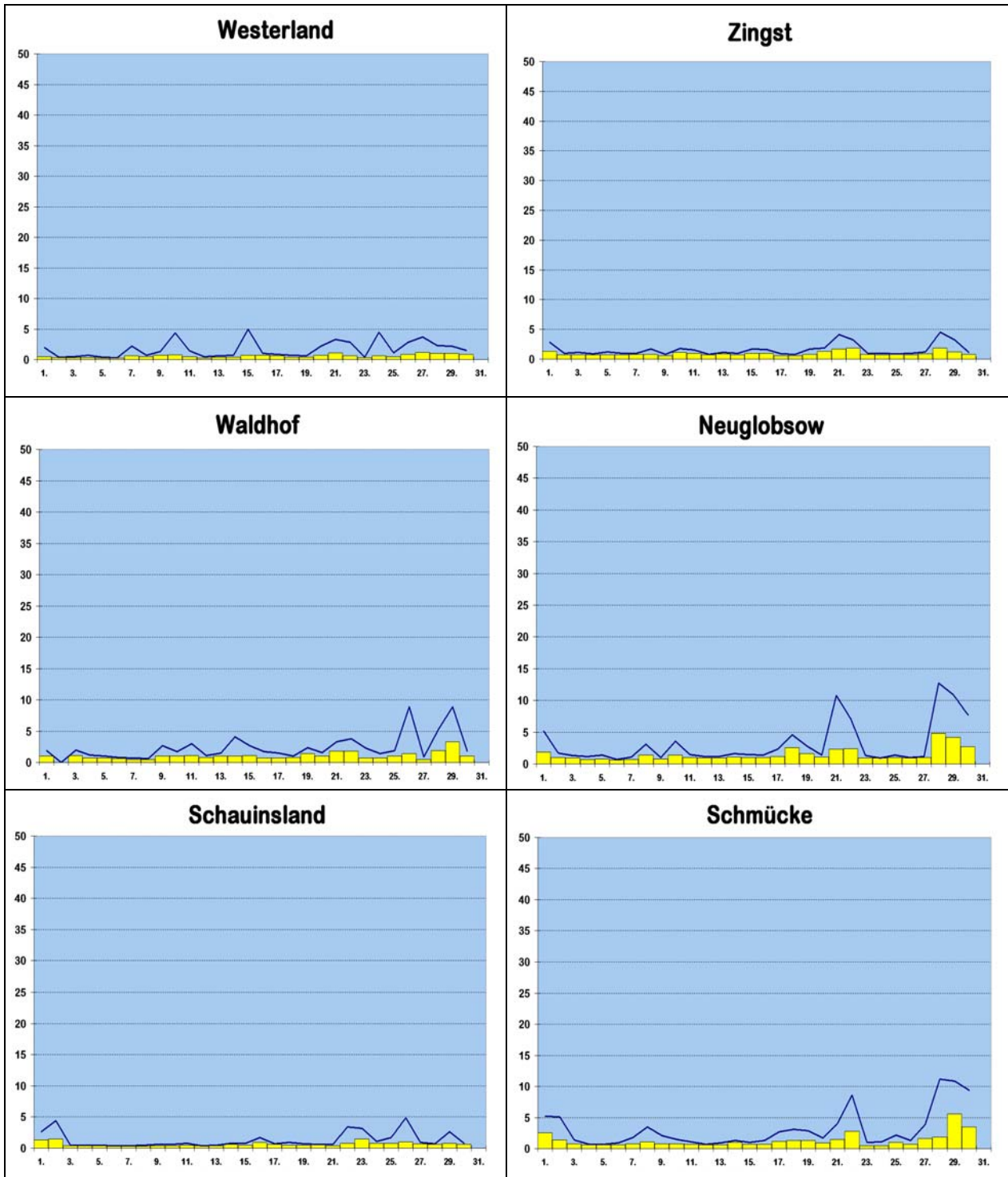
Schwefeldioxid

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

| | | Westerland | Zingst | Neuglobsow | Waldhof | Schmücke | Schauinsland |
|-----------------|--------------------------|------------|--------|------------|---------|----------|--------------|
| Tagesmittel | 1. | 0.5 | 1.3 | 1.9 | 1.0 | 2.6 | 1.3 |
| | 2. | 0.3 | 0.7 | 1.0 | - | 1.4 | 1.5 |
| | 3. | 0.3 | 0.7 | 0.9 | 1.1 | 0.8 | 0.4 |
| | 4. | 0.3 | 0.7 | 0.7 | 0.7 | 0.6 | 0.4 |
| | 5. | 0.2 | 0.7 | 0.8 | 0.7 | 0.6 | 0.4 |
| | 6. | 0.2 | 0.7 | 0.6 | 0.6 | 0.6 | 0.4 |
| | 7. | 0.6 | 0.8 | 0.7 | 0.5 | 0.8 | 0.3 |
| | 8. | 0.5 | 0.8 | 1.4 | 0.5 | 1.1 | 0.3 |
| | 9. | 0.7 | 0.6 | 0.8 | 1.0 | 0.8 | 0.4 |
| | 10. | 0.8 | 1.1 | 1.4 | 1.0 | 0.8 | 0.4 |
| | 11. | 0.5 | 1.0 | 1.0 | 1.1 | 0.7 | 0.5 |
| | 12. | 0.2 | 0.7 | 0.9 | 0.8 | 0.6 | 0.4 |
| | 13. | 0.4 | 0.9 | 0.9 | 1.0 | 0.6 | 0.4 |
| | 14. | 0.4 | 0.7 | 1.1 | 1.0 | 1.0 | 0.6 |
| | 15. | 0.7 | 1.0 | 1.0 | 1.1 | 0.7 | 0.5 |
| | 16. | 0.7 | 1.0 | 1.0 | 0.7 | 0.7 | 0.9 |
| | 17. | 0.6 | 0.6 | 1.2 | 0.7 | 1.2 | 0.6 |
| | 18. | 0.4 | 0.6 | 2.6 | 0.8 | 1.3 | 0.5 |
| | 19. | 0.4 | 0.8 | 1.6 | 1.4 | 1.3 | 0.5 |
| | 20. | 0.7 | 1.3 | 1.1 | 1.0 | 0.9 | 0.6 |
| | 21. | 1.1 | 1.7 | 2.3 | 1.8 | 1.5 | 0.4 |
| | 22. | 0.6 | 1.9 | 2.4 | 1.8 | 2.8 | 0.8 |
| | 23. | 0.3 | 0.8 | 0.9 | 0.7 | 0.5 | 1.5 |
| | 24. | 0.6 | 0.7 | 0.9 | 0.7 | 0.5 | 0.8 |
| | 25. | 0.5 | 0.8 | 1.0 | 1.0 | 1.0 | 0.8 |
| | 26. | 0.9 | 0.7 | 0.9 | 1.4 | 0.7 | 1.0 |
| | 27. | 1.2 | 0.9 | 1.0 | 0.5 | 1.6 | 0.7 |
| | 28. | 1.0 | 1.9 | 4.8 | 1.9 | 1.9 | 0.6 |
| | 29. | 1.0 | 1.2 | 4.2 | 3.3 | 5.6 | 0.8 |
| | 30. | 0.9 | 0.8 | 2.7 | 1.0 | 3.5 | 0.6 |
| | 31. | - | - | - | - | - | - |
| Monatsstatistik | Monatsmittel | 0.6 | 0.9 | 1.5 | 1.1 | 1.3 | 0.6 |
| | Maximales Tagesmittel | 1.2 | 1.9 | 4.8 | 3.3 | 5.6 | 1.5 |
| | Median | 0.4 | 0.8 | 1.0 | 0.8 | 0.8 | 0.5 |
| | 98-Perzentil | 2.1 | 2.8 | 7.4 | 4.3 | 6.1 | 2.3 |
| | 5-jähr. Monatsmittel | 0.9 | 1.3 | 1.4 | 1.2 | 1.0 | 1.0 |
| | 5-jähr. max. Tagesmittel | 4.2 | 10.5 | 5.6 | 4.3 | 3.0 | 3.1 |

Schwefeldioxid

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



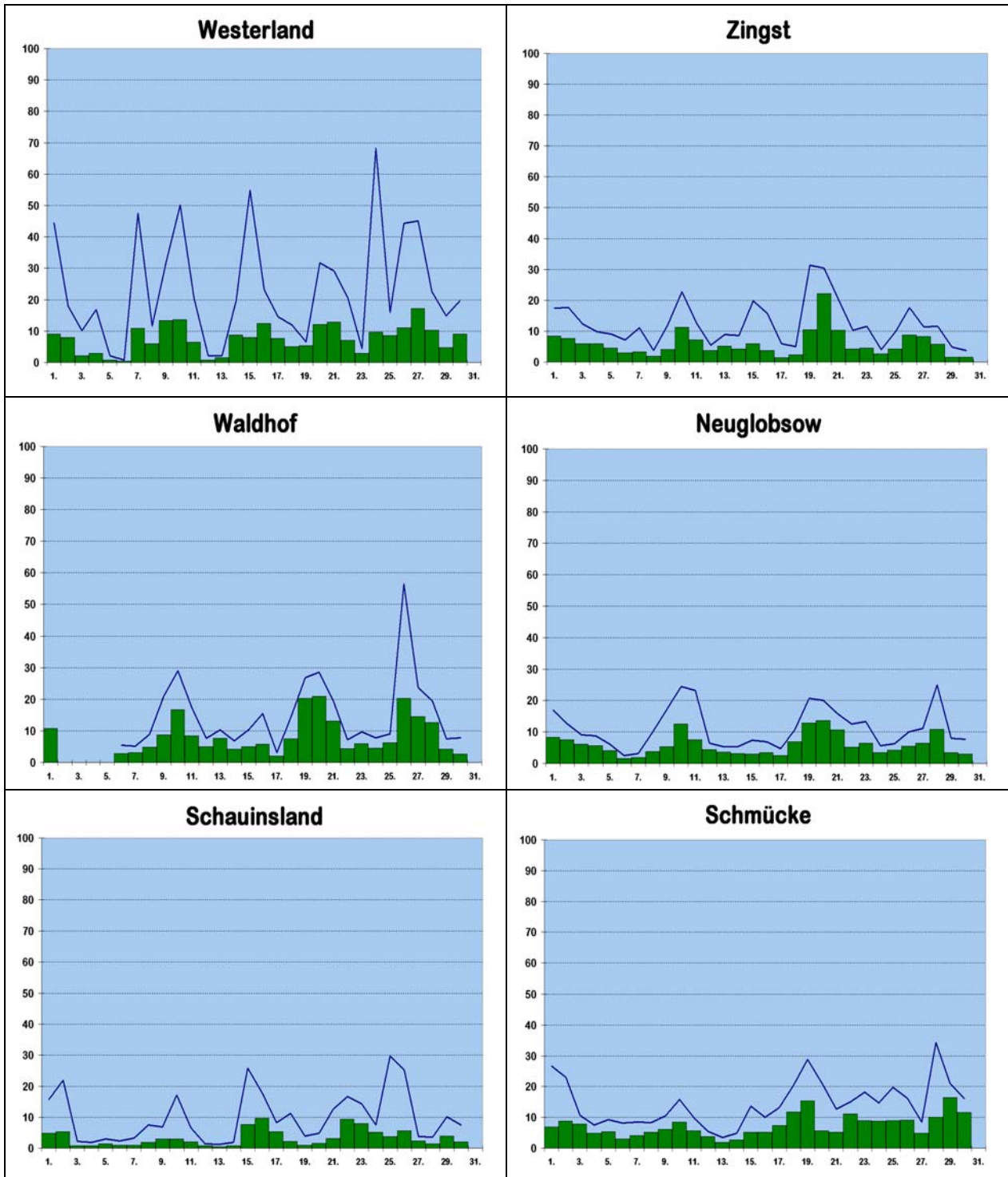
Tagesmittel
 Tagesmaxima

Stickstoffdioxid

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

| | | Westerland | Zingst | Neuglobsow | Waldhof | Schmücke | Schauinsland |
|-----------------|--------------------------|------------|--------|------------|---------|----------|--------------|
| Tagesmittel | 1. | 9.1 | 8.4 | 8.3 | 10.8 | 6.9 | 4.9 |
| | 2. | 7.9 | 7.7 | 7.6 | - | 8.8 | 5.3 |
| | 3. | 2.1 | 6.0 | 6.1 | - | 7.9 | 0.8 |
| | 4. | 2.9 | 6.0 | 5.7 | - | 4.9 | 0.8 |
| | 5. | 0.7 | 4.6 | 4.1 | - | 5.3 | 1.4 |
| | 6. | 0.4 | 2.9 | 1.6 | 2.8 | 3.0 | 0.9 |
| | 7. | 10.9 | 3.2 | 1.9 | 3.1 | 4.1 | 0.9 |
| | 8. | 6.0 | 1.9 | 3.8 | 4.8 | 5.2 | 1.9 |
| | 9. | 13.3 | 4.1 | 5.3 | 8.7 | 6.1 | 3.0 |
| | 10. | 13.6 | 11.2 | 12.6 | 16.7 | 8.5 | 2.9 |
| | 11. | 6.5 | 7.2 | 7.6 | 8.4 | 5.6 | 2.0 |
| | 12. | 0.8 | 3.7 | 4.4 | 5.0 | 3.7 | 0.8 |
| | 13. | 1.5 | 5.2 | 3.6 | 7.7 | 1.9 | 0.4 |
| | 14. | 8.7 | 4.2 | 3.1 | 4.2 | 2.6 | 0.8 |
| | 15. | 7.9 | 5.9 | 3.0 | 5.0 | 5.1 | 7.6 |
| | 16. | 12.5 | 3.7 | 3.4 | 5.8 | 5.1 | 9.7 |
| | 17. | 7.7 | 1.4 | 2.5 | 2.0 | 7.3 | 5.3 |
| | 18. | 5.0 | 2.4 | 6.9 | 7.5 | 11.7 | 2.2 |
| | 19. | 5.3 | 10.5 | 12.9 | 20.3 | 15.4 | 0.9 |
| | 20. | 12.1 | 22.2 | 13.6 | 20.9 | 5.7 | 1.6 |
| | 21. | 12.9 | 10.3 | 10.6 | 13.1 | 5.1 | 3.1 |
| | 22. | 7.1 | 4.2 | 5.1 | 4.4 | 11.1 | 9.4 |
| | 23. | 2.9 | 4.5 | 6.4 | 6.0 | 8.9 | 7.9 |
| | 24. | 9.6 | 2.6 | 3.4 | 4.5 | 8.8 | 5.1 |
| | 25. | 8.6 | 4.2 | 4.2 | 6.3 | 8.9 | 3.7 |
| | 26. | 11.1 | 8.8 | 5.5 | 20.3 | 9.1 | 5.6 |
| | 27. | 17.2 | 8.3 | 6.4 | 14.5 | 4.8 | 2.4 |
| | 28. | 10.3 | 5.7 | 10.8 | 12.7 | 10.1 | 1.4 |
| | 29. | 4.8 | 1.6 | 3.4 | 4.2 | 16.4 | 3.9 |
| | 30. | 9.1 | 1.5 | 3.0 | 2.7 | 11.6 | 2.0 |
| | 31. | - | - | - | - | - | - |
| Monatsstatistik | Monatsmittel | 7.6 | 5.8 | 5.9 | 8.5 | 7.3 | 3.3 |
| | Maximales Tagesmittel | 17.2 | 22.2 | 13.6 | 20.9 | 16.4 | 9.7 |
| | Median | 5.1 | 4.2 | 4.6 | 6.3 | 6.1 | 1.8 |
| | 98-Perzentil | 32.4 | 22.4 | 19.4 | 24.9 | 20.2 | 15.6 |
| | 5-jähr. Monatsmittel | 8.7 | 9.8 | 10.3 | 13.5 | 10.5 | 3.0 |
| | 5-jähr. max. Tagesmittel | 35.4 | 32.9 | 33.5 | 38.3 | 31.5 | 18.8 |

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



■ Tagesmittel — Tagesmaxima

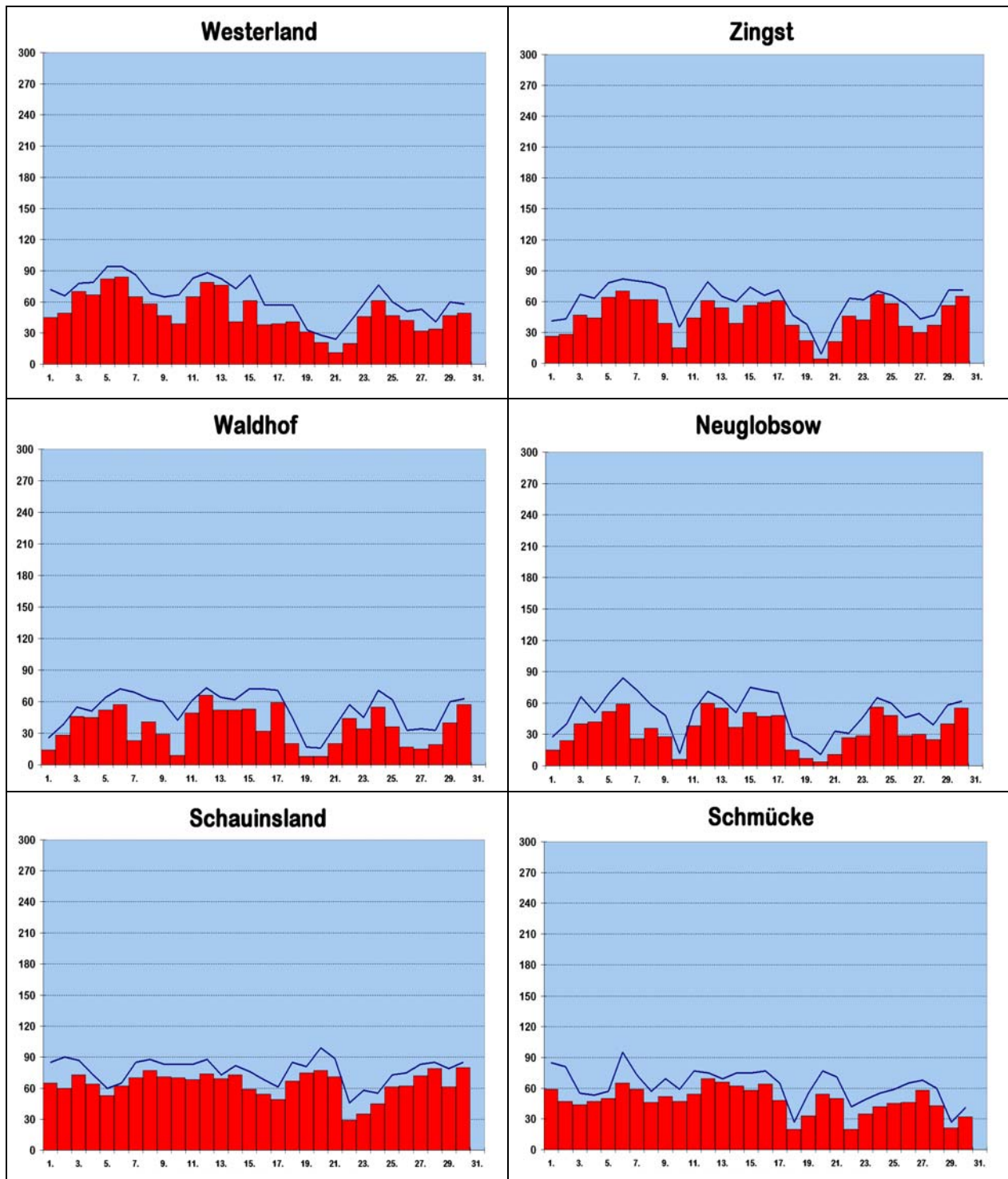
Ozon

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

| | | Wester-land | Zingst | Neu-globsow | Waldhof | Schmücke | Schau-insland |
|-----------------|---------------------------------|-------------|-----------|-------------|-----------|-----------|---------------|
| Tagesmittel | 1. | 45 | 26 | 15 | 14 | 59 | 65 |
| | 2. | 49 | 28 | 24 | 28 | 47 | 60 |
| | 3. | 70 | 47 | 40 | 46 | 44 | 73 |
| | 4. | 67 | 44 | 42 | 45 | 47 | 64 |
| | 5. | 82 | 64 | 52 | 52 | 50 | 53 |
| | 6. | 84 | 70 | 59 | 57 | 65 | 62 |
| | 7. | 65 | 62 | 26 | 23 | 59 | 70 |
| | 8. | 58 | 62 | 36 | 41 | 46 | 77 |
| | 9. | 47 | 39 | 28 | 29 | 52 | 71 |
| | 10. | 39 | 15 | 6 | 9 | 47 | 70 |
| | 11. | 65 | 44 | 38 | 49 | 54 | 68 |
| | 12. | 79 | 61 | 60 | 66 | 69 | 74 |
| | 13. | 76 | 54 | 55 | 52 | 66 | 69 |
| | 14. | 41 | 39 | 37 | 52 | 62 | 73 |
| | 15. | 61 | 56 | 51 | 53 | 58 | 59 |
| | 16. | 38 | 59 | 47 | 32 | 64 | 54 |
| | 17. | 39 | 61 | 48 | 59 | 48 | 49 |
| | 18. | 41 | 37 | 15 | 20 | 20 | 67 |
| | 19. | 31 | 22 | 7 | 8 | 33 | 75 |
| | 20. | 21 | 4 | 4 | 8 | 54 | 77 |
| | 21. | 11 | 21 | 11 | 20 | 50 | 71 |
| | 22. | 20 | 46 | 27 | 44 | 20 | 29 |
| | 23. | 46 | 42 | 29 | 34 | 35 | 35 |
| | 24. | 61 | 67 | 56 | 55 | 42 | 45 |
| | 25. | 47 | 58 | 48 | 36 | 45 | 61 |
| | 26. | 42 | 36 | 29 | 17 | 46 | 62 |
| | 27. | 32 | 30 | 30 | 15 | 58 | 72 |
| | 28. | 34 | 37 | 25 | 19 | 43 | 79 |
| | 29. | 47 | 56 | 40 | 40 | 21 | 61 |
| | 30. | 49 | 65 | 55 | 57 | 32 | 80 |
| | 31. | - | - | - | - | - | - |
| Monatsstatistik | Monatsmittel | 50 | 45 | 35 | 36 | 48 | 64 |
| | Maximales Tagesmittel | 84 | 70 | 60 | 66 | 69 | 80 |
| | Median | 48 | 46 | 34 | 38 | 49 | 67 |
| | 98-Perzentil | 86 | 76 | 70 | 70 | 75 | 87 |
| | Max. 1-Stundenmittel | 93 | 80 | 83 | 73 | 94 | 98 |
| | 5-jähr. Monatsmittel | 50 | 39 | 30 | 31 | 46 | 67 |
| | 5-jähr. max. Tagesmittel | 85 | 74 | 70 | 68 | 80 | 93 |

Ozon

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



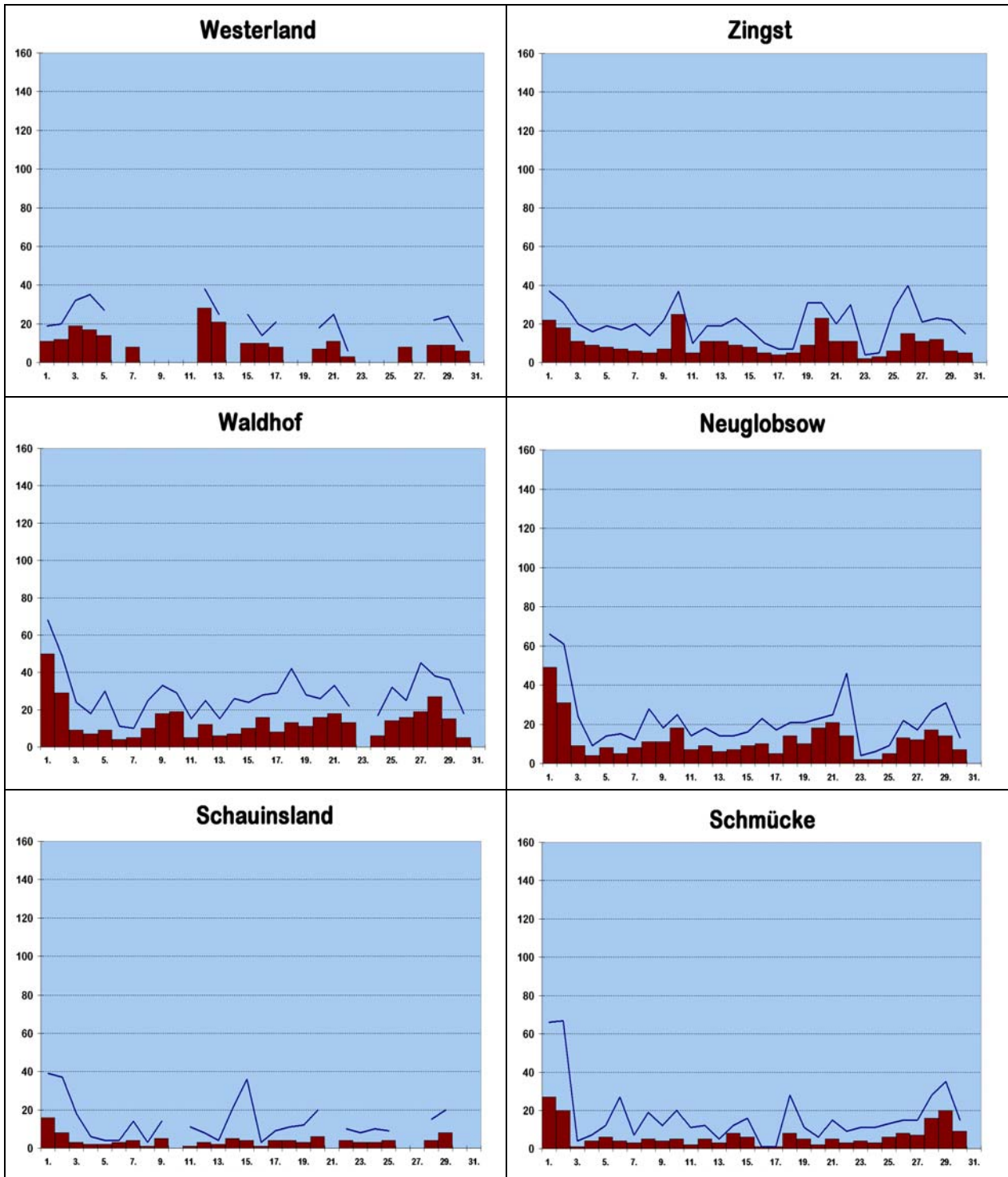
■ Tagesmittel — Tagesmaxima

Feinstaub PM₁₀

in µg/m³, bezogen auf 20 °C

| | | Wester- land | Zingst | Neu- globsow | Waldhof | Schmücke | Schau- insland |
|-----------------|--------------------------|-----------------|--------|-----------------|---------|----------|-------------------|
| Tagesmittel | 1. | 11 | 22 | 49 | 50 | 27 | 16 |
| | 2. | 12 | 18 | 31 | 29 | 20 | 8 |
| | 3. | 19 | 11 | 9 | 9 | 1 | 3 |
| | 4. | 17 | 9 | 4 | 7 | 4 | 2 |
| | 5. | 14 | 8 | 8 | 9 | 6 | 2 |
| | 6. | - | 7 | 5 | 4 | 4 | 3 |
| | 7. | 8 | 6 | 8 | 5 | 3 | 4 |
| | 8. | - | 5 | 11 | 10 | 5 | 1 |
| | 9. | - | 7 | 11 | 18 | 4 | 5 |
| | 10. | - | 25 | 18 | 19 | 5 | - |
| | 11. | - | 5 | 7 | 5 | 2 | 1 |
| | 12. | 28 | 11 | 9 | 12 | 5 | 3 |
| | 13. | 21 | 11 | 6 | 6 | 3 | 2 |
| | 14. | - | 9 | 7 | 7 | 8 | 5 |
| | 15. | 10 | 8 | 9 | 10 | 6 | 4 |
| | 16. | 10 | 5 | 10 | 16 | 1 | 1 |
| | 17. | 8 | 4 | 5 | 8 | 1 | 4 |
| | 18. | - | 5 | 14 | 13 | 8 | 4 |
| | 19. | - | 9 | 10 | 11 | 5 | 3 |
| | 20. | 7 | 23 | 18 | 16 | 2 | 6 |
| | 21. | 11 | 11 | 21 | 18 | 5 | - |
| | 22. | 3 | 11 | 14 | 13 | 3 | 4 |
| | 23. | - | 2 | 2 | - | 4 | 3 |
| | 24. | - | 3 | 2 | 6 | 3 | 3 |
| | 25. | - | 6 | 5 | 14 | 6 | 4 |
| | 26. | 8 | 15 | 13 | 16 | 8 | - |
| | 27. | - | 11 | 12 | 19 | 7 | - |
| | 28. | 9 | 12 | 17 | 27 | 16 | 4 |
| | 29. | 9 | 6 | 14 | 15 | 20 | 8 |
| | 30. | 6 | 5 | 7 | 5 | 9 | - |
| | 31. | - | - | - | - | - | - |
| Monatsstatistik | Monatsmittel | - | 10 | 12 | 14 | 7 | 4 |
| | Maximales Tagesmittel | - | 25 | 49 | 50 | 27 | 16 |
| | Median | - | 7 | 9 | 11 | 4 | 3 |
| | 98-Perzentil | - | 31 | 49 | 49 | 32 | 24 |
| | 5-jähr. Monatsmittel | 18 | 13 | 14 | 15 | 7 | 6 |
| | 5-jähr. max. Tagesmittel | 40 | 41 | 53 | 38 | 31 | 42 |

PM₁₀ in µg/m³, bezogen auf 20 °C



■ Tagesmittel — Tagesmaxima