S1 Multi-temporal trend analysis

S1.1 Winter half-year
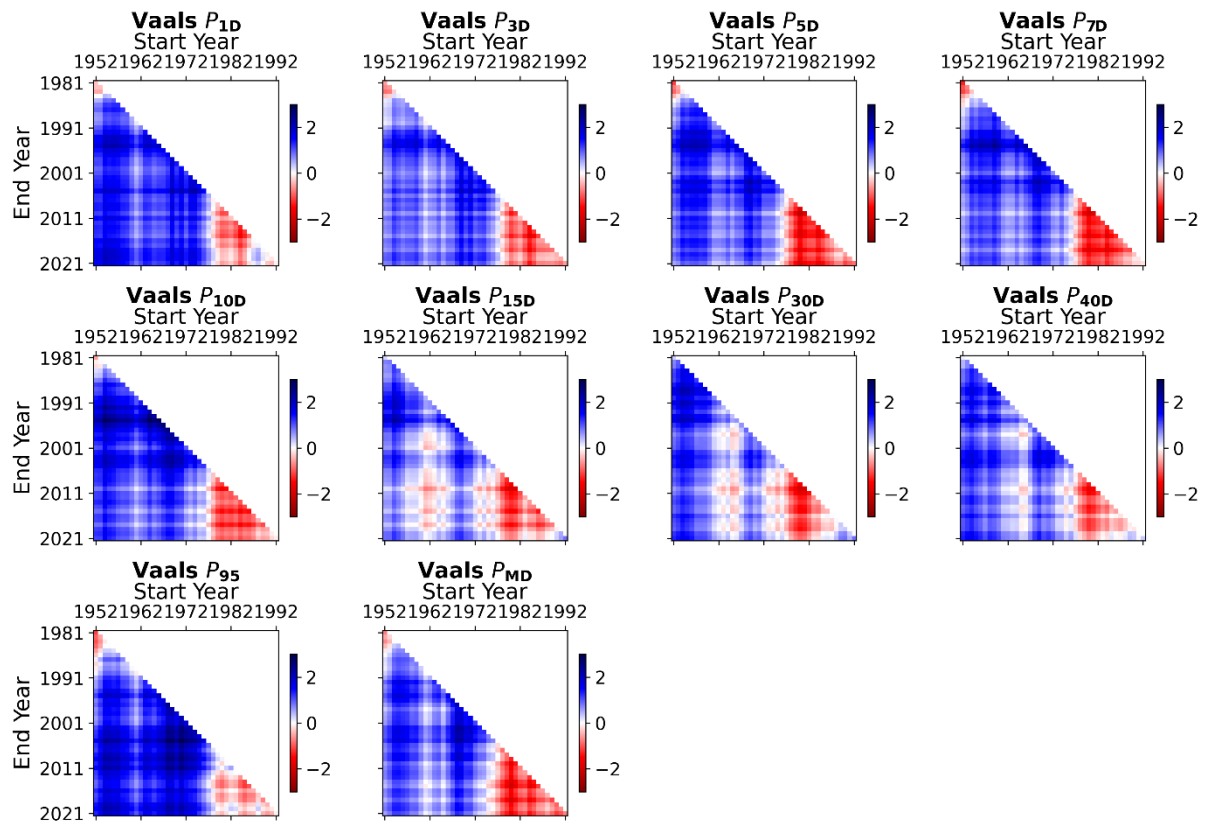
Figure S1. Multi-temporal trend analysis for the developed (extreme) precipitation indices at Vaals for winter half-year. Each pixel presents a fixed period, and the color indicates the resulted Z-statistic value using the Mann-Kendall test.
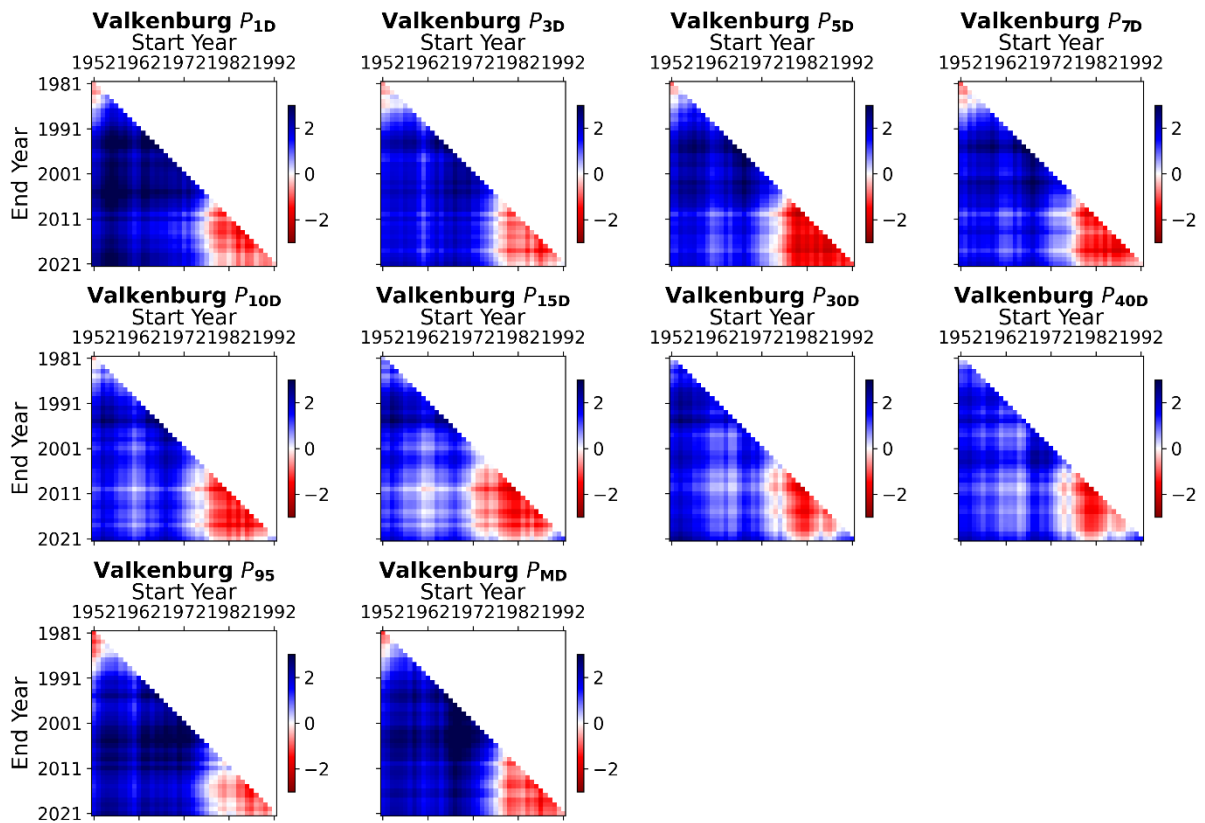
Figure S2. Multi-temporal trend analysis for the developed (extreme) precipitation indices at Valkenburg for winter half-year. Each pixel presents a fixed period, and the color indicates the resulted Z-statistic value using the Mann-Kendall test.
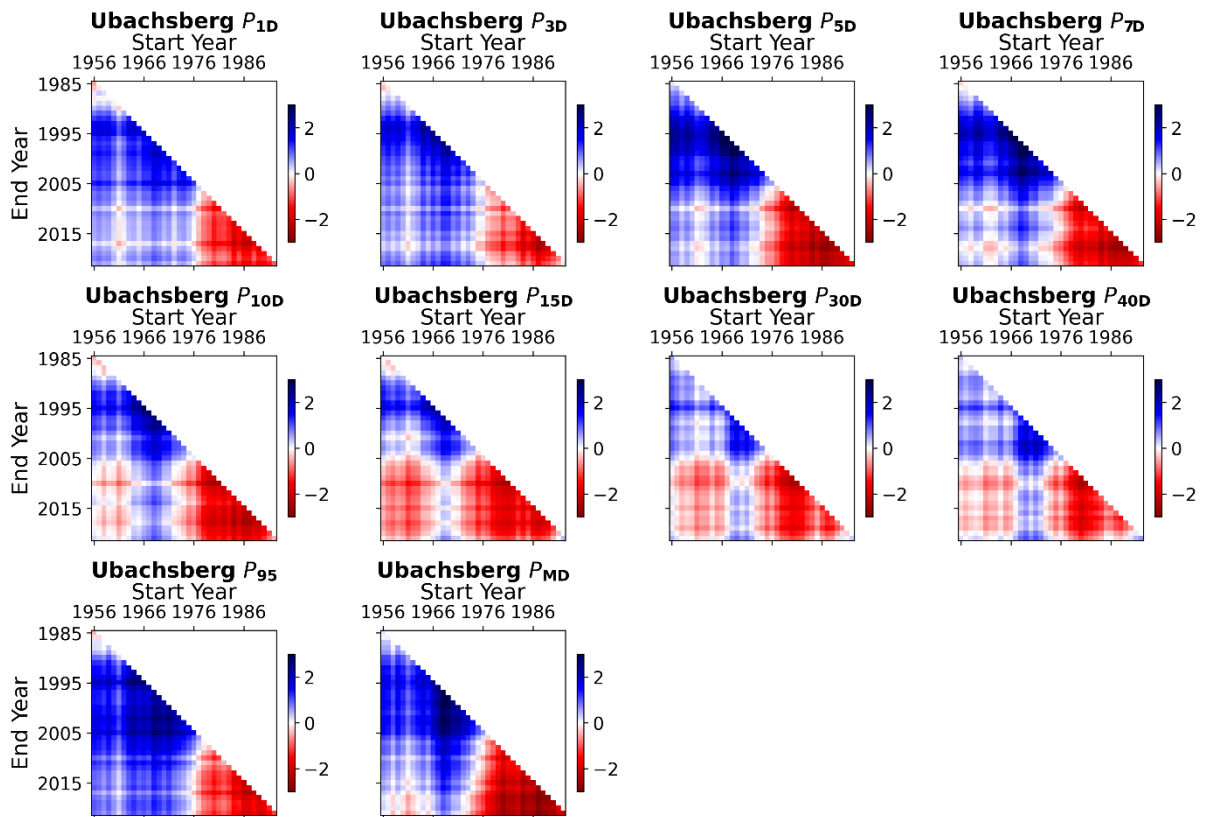
Figure S3. Multi-temporal trend analysis for the developed (extreme) precipitation indices at Ubachsberg for winter half-year. Each pixel presents a fixed period, and the color indicates the resulted Z-statistic value using the Mann-Kendall test.
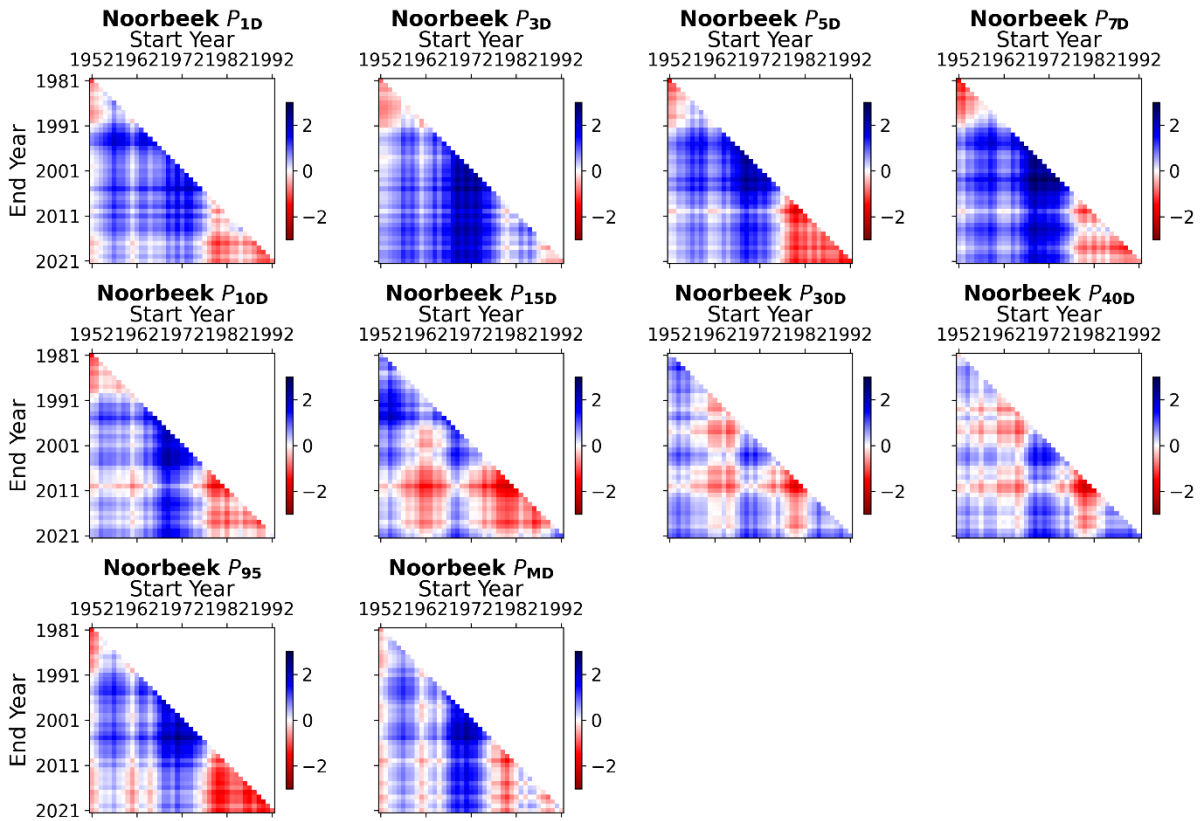
Figure S4. Multi-temporal trend analysis for the developed (extreme) precipitation indices at Noorbeek for winter half-year. Each pixel presents a fixed period, and the color indicates the resulted Z-statistic value using the Mann-Kendall test.
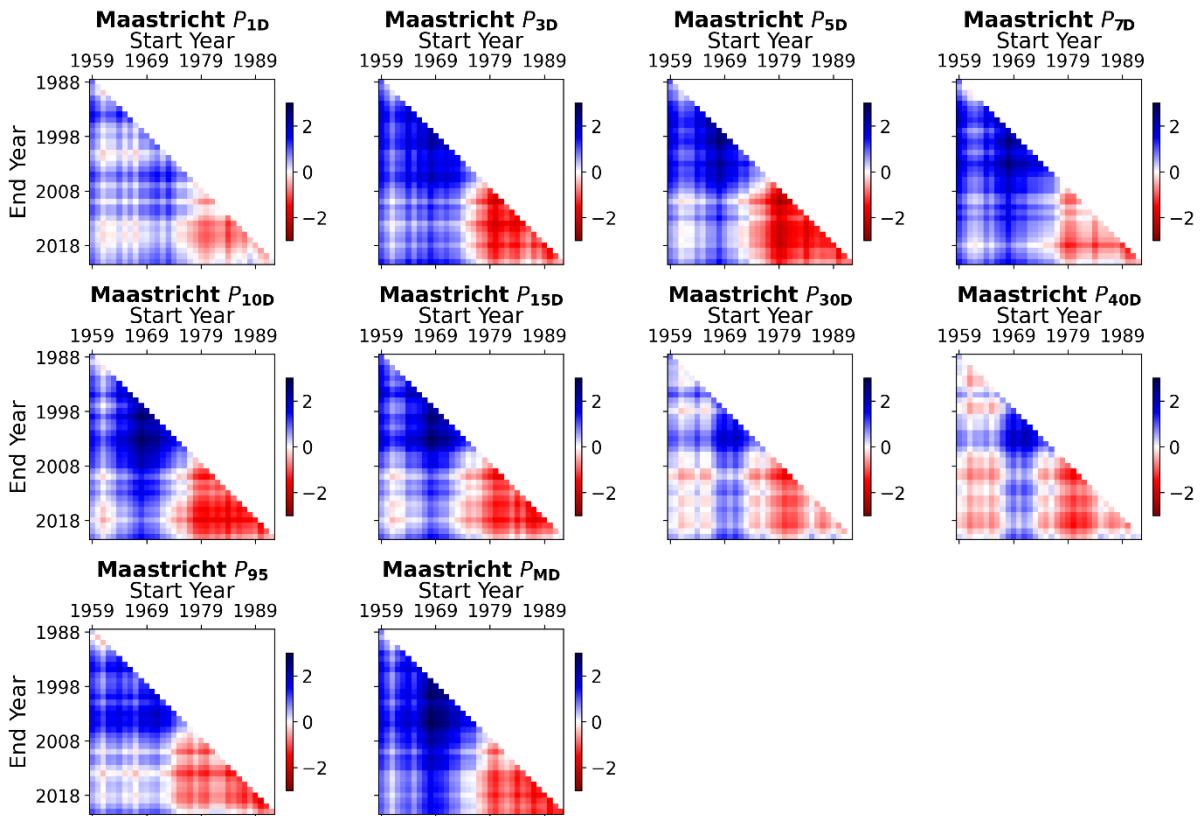
Figure S5. Multi-temporal trend analysis for the developed (extreme) precipitation indices at Maastricht for winter half-year. Each pixel presents a fixed period, and the color indicates the resulted Z-statistic value using the Mann-Kendall test.

S1.2 Summer half-year
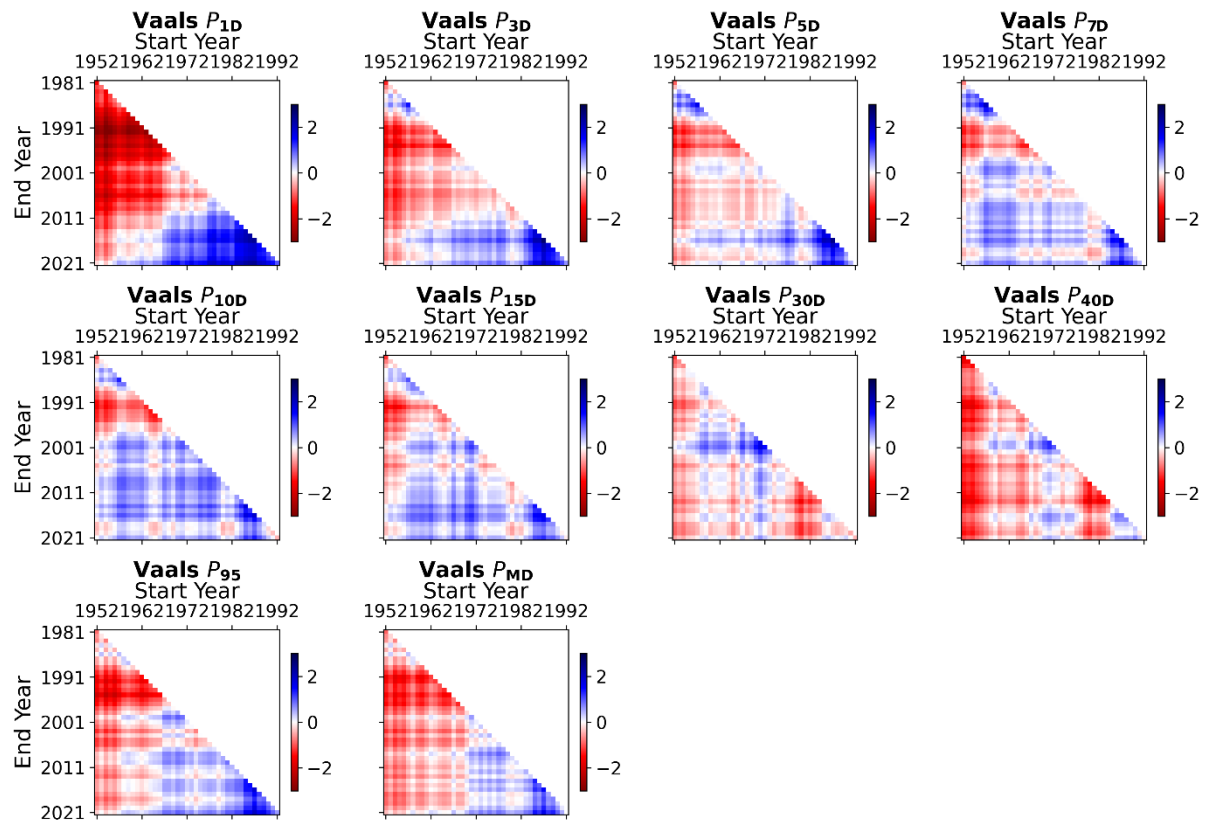
Figure S6. Multi-temporal trend analysis for the developed (extreme) precipitation indices at Vaals for summer half-year. Each pixel presents a fixed period, and the color indicates the resulted Z-statistic value using the Mann-Kendall test.
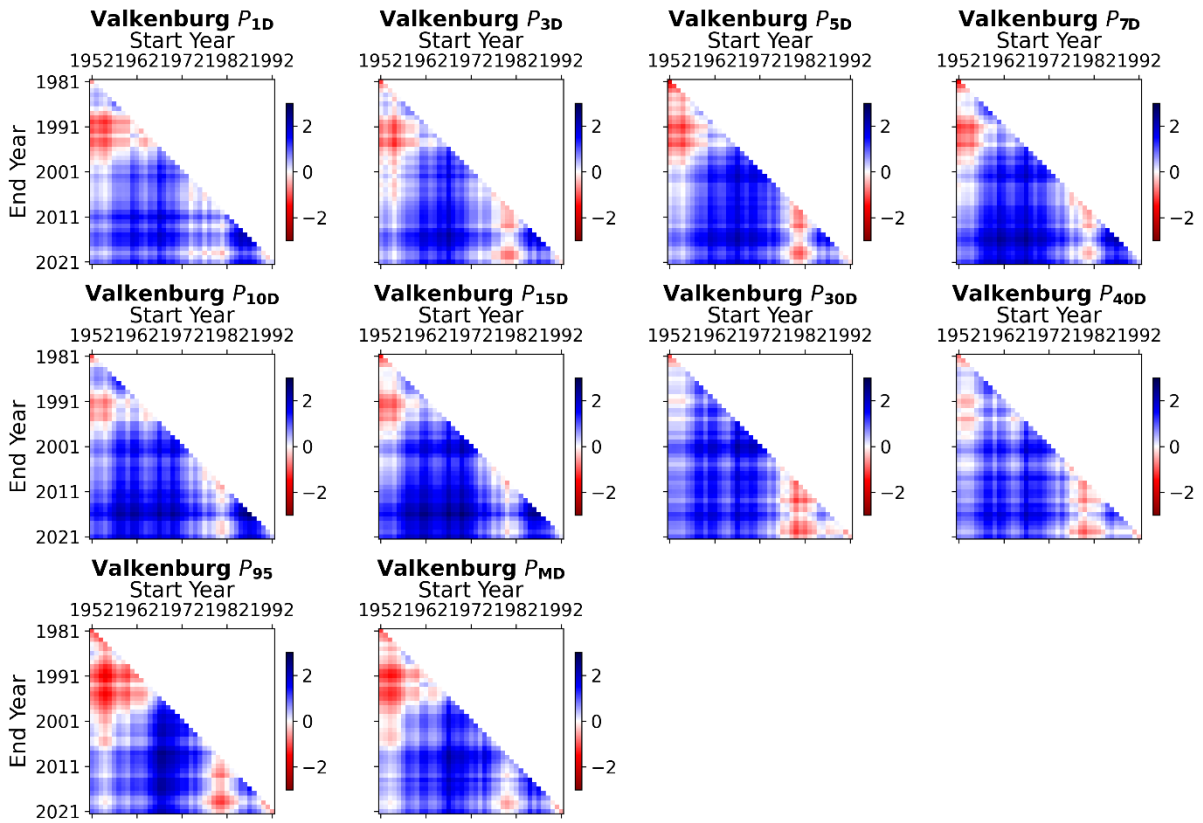
Figure S7. Multi-temporal trend analysis for the developed (extreme) precipitation indices at Valkenburg for summer half-year. Each pixel presents a fixed period, and the color indicates the resulted Z-statistic value using the Mann-Kendall test.
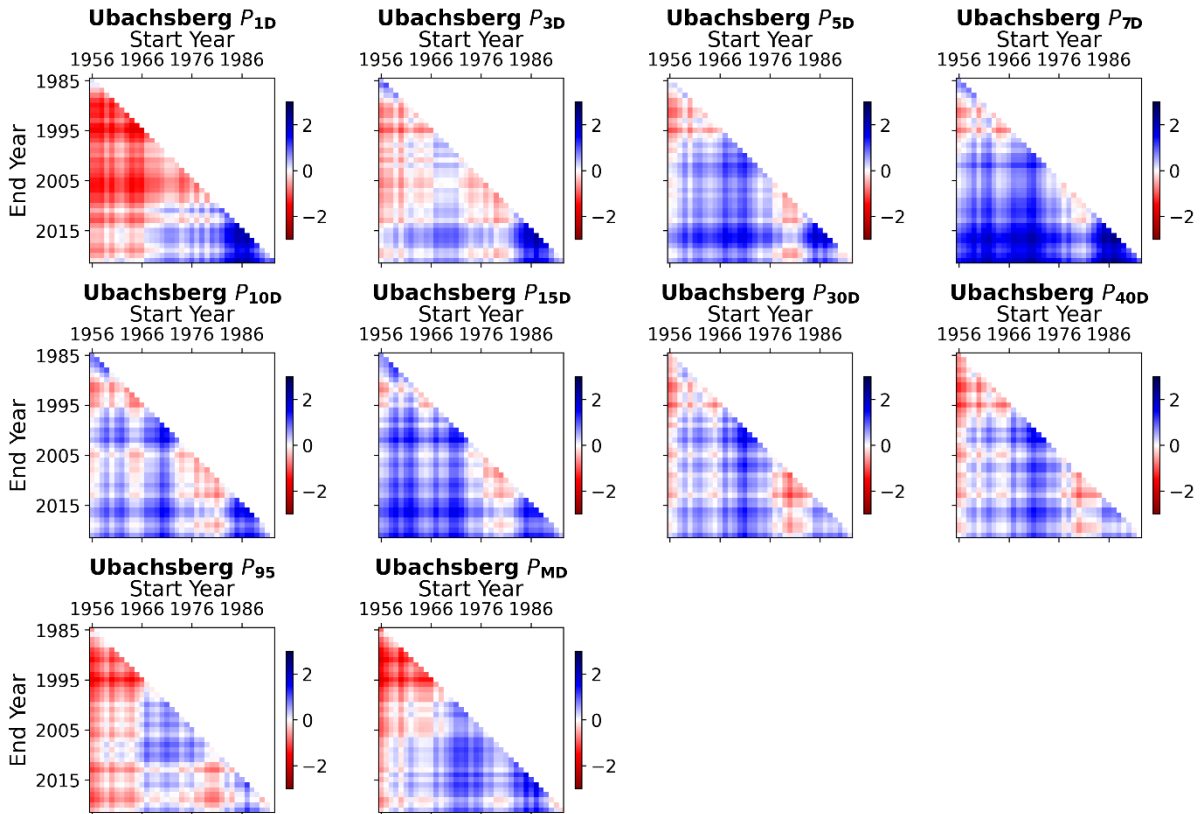
Figure S8. Multi-temporal trend analysis for the developed (extreme) precipitation indices at Ubachsberg for summer half-year. Each pixel presents a fixed period, and the color indicates the resulted Z-statistic value using the Mann-Kendall test.
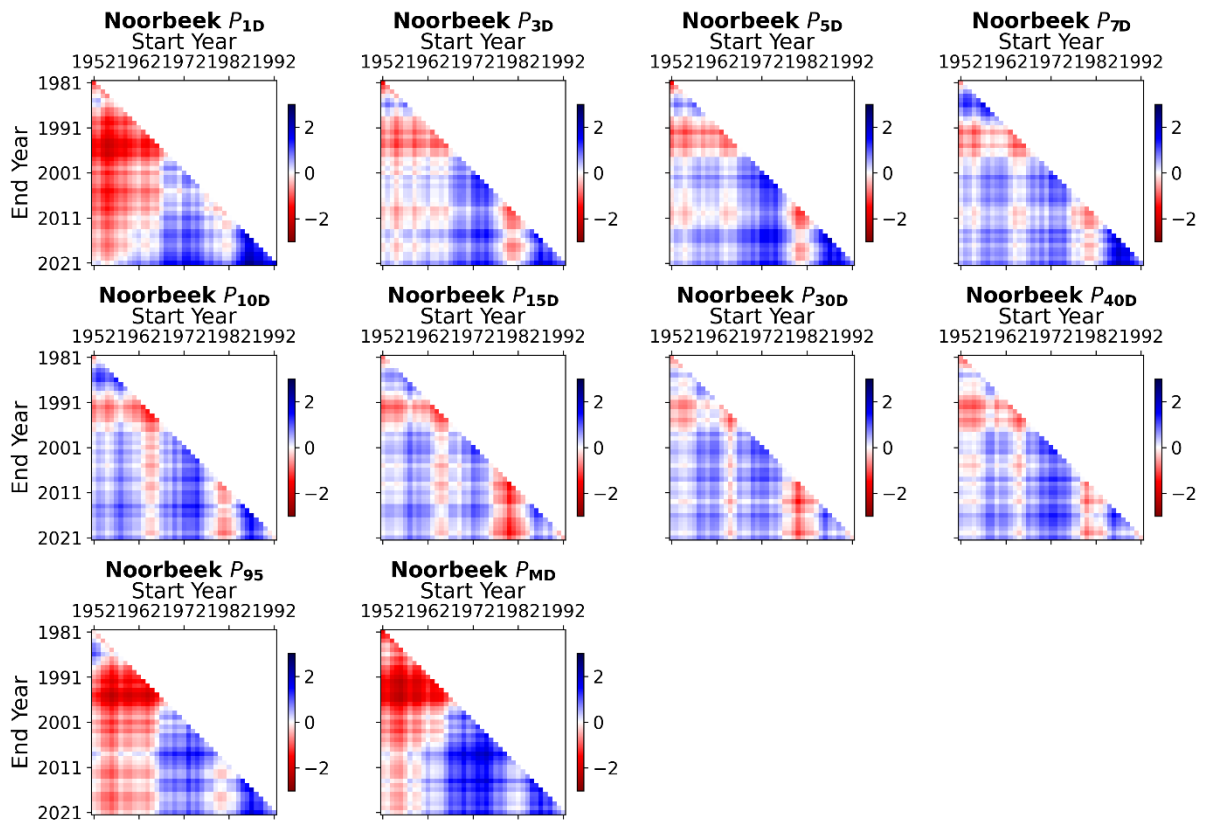
Figure S9. Multi-temporal trend analysis for the developed (extreme) precipitation indices at Noorbeek for summer half-year. Each pixel presents a fixed period, and the color indicates the resulted Z-statistic value using the Mann-Kendall test.
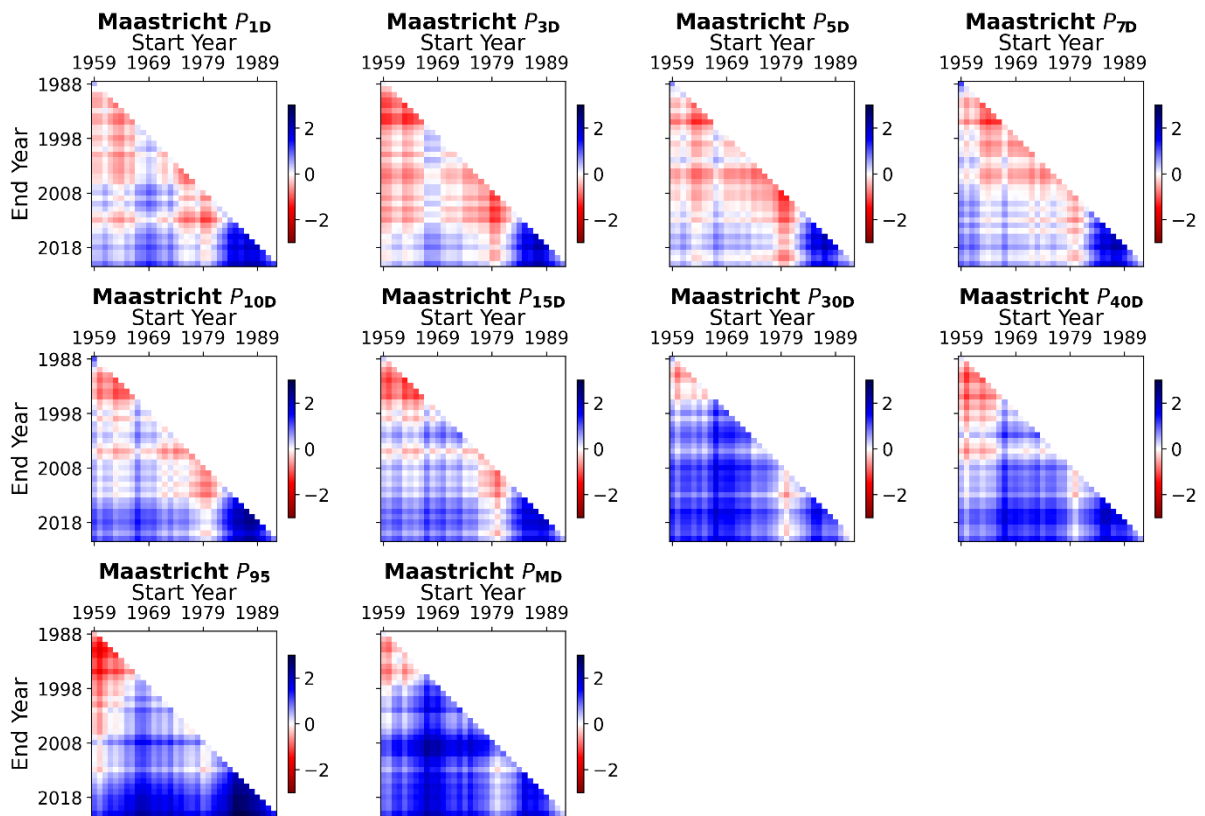
Figure S10. Multi-temporal trend analysis for the developed (extreme) precipitation indices at Maastricht for summer half-year. Each pixel presents a fixed period, and the color indicates the resulted Z-statistic value using the Mann-Kendall test.