

| Climate zone | Total flood events (1985 to 2015) | Maximum number of floods in any given year | Test result | Standard deviation | Kendall's τ | Sen's slope | p value (two-tailed test) | Trend |
|-----------------------------------|-----------------------------------|--|---------------|--------------------|------------------|-------------|-----------------------------|-------|
| Short duration (1 to 7 days) | | | | | | | | |
| Midlatitudes (north) | 724 | 68 | Cannot reject | – | – | – | – | × |
| Subtropics (north) | 496 | 34 | Cannot reject | – | – | – | – | × |
| Tropics | 1125 | 88 | Cannot reject | – | – | – | – | × |
| Subtropics (south) | 121 | 8 | Cannot reject | – | – | – | – | × |
| Midlatitudes (south) | 42 | 7 | Cannot reject | – | – | – | – | × |
| Moderate duration (8 to 20 days) | | | | | | | | |
| Midlatitudes (north) | 256 | 20 | Cannot reject | – | – | – | – | × |
| Subtropics (north) | 235 | 15 | Cannot reject | – | – | – | – | × |
| Tropics | 586 | 48 | Reject | 58.6231 | 0.4602 | 0.6667 | 0.00028 | ✓ |
| Subtropics (south) | 58 | 5 | Reject | 57.4 | 0.4022 | 0.0909 | 0.0012 | ✓ |
| Midlatitudes (south) | 16 | 4 | Cannot reject | – | – | – | – | × |
| Long duration (21 days and above) | | | | | | | | |
| Midlatitudes (north) | 97 | 11 | Reject | 58.0345 | 0.357 | 0.1111 | 0.0045 | ✓ |
| Subtropics (north) | 125 | 8 | Cannot reject | – | – | – | – | × |
| Tropics | 306 | 37 | Reject | 58.6174 | 0.5462 | 0.5417 | 0.0000158 | ✓ |
| Subtropics (south) | 31 | 4 | Cannot reject | – | – | – | – | × |
| Midlatitudes (south) | 1 | 1 | Cannot reject | – | – | – | – | × |