

| | | 4.0 | | | | | 5.0 | | | | |
|---------|-------|------|------|------|------|------|------|------|------|------|------|
| | | May | Jun | Jul | Aug | Sep | May | Jun | Jul | Aug | Sep |
| Korea | < 28 | 99.8 | 80.0 | 17.8 | 11.9 | 78.5 | 98.5 | 65.3 | 8.8 | 3.0 | 57.9 |
| | 28-32 | 0.2 | 18.7 | 44.0 | 39.1 | 19.3 | 1.5 | 30.9 | 35.4 | 25.7 | 32.6 |
| | 32-35 | - | 1.3 | 31.6 | 38.9 | 2.2 | - | 3.6 | 37.3 | 41.8 | 8.8 |
| | 35-40 | - | - | 6.6 | 10.1 | - | - | 0.3 | 18.4 | 29.1 | 0.7 |
| | > 40 | - | - | - | - | - | - | - | 0.1 | 0.3 | - |
| Seoul | < 28 | 96.9 | 53.1 | 7.5 | 3.4 | 51.8 | 90.9 | 33.8 | 3.5 | 0.6 | 31.3 |
| | 28-32 | 3.1 | 37.7 | 30.2 | 22.2 | 37.2 | 8.7 | 47.0 | 19.0 | 10.6 | 41.0 |
| | 32-35 | - | 8.5 | 37.5 | 32.2 | 9.0 | 0.4 | 16.2 | 34.1 | 23.9 | 19.2 |
| | 35-40 | - | 0.8 | 24.2 | 40.4 | 2.0 | - | 3.0 | 40.5 | 55.2 | 8.3 |
| | > 40 | - | - | 0.6 | 1.8 | - | - | - | 2.8 | 9.7 | 0.1 |
| Gwangju | < 28 | 97.5 | 54.9 | 4.5 | 1.9 | 46.2 | 91.5 | 36.0 | 1.7 | 0.2 | 26.9 |
| | 28-32 | 2.5 | 37.7 | 27.5 | 19.3 | 38.3 | 8.1 | 47.9 | 17.1 | 7.5 | 39.0 |
| | 32-35 | - | 6.9 | 38.4 | 37.8 | 12.7 | 0.4 | 13.8 | 32.2 | 24.8 | 22.9 |
| | 35-40 | - | 0.5 | 29.0 | 40.4 | 2.8 | - | 2.3 | 46.4 | 61.2 | 11.2 |
| | > 40 | - | - | 0.6 | 0.6 | - | - | - | 2.6 | 6.3 | 0.1 |
| Daegu | < 28 | 96.9 | 62.9 | 10.4 | 6.1 | 62.7 | 90.4 | 44.7 | 5.2 | 1.0 | 41.7 |
| | 28-32 | 3.0 | 30.5 | 32.1 | 28.8 | 29.3 | 9.1 | 42.6 | 24.7 | 17.0 | 37.1 |
| | 32-35 | 0.1 | 6.0 | 34.9 | 36.7 | 7.2 | 0.5 | 10.7 | 31.7 | 31.9 | 16.8 |
| | 35-40 | - | 0.7 | 22.1 | 27.9 | 0.8 | - | 2.0 | 36.6 | 46.5 | 4.4 |
| | > 40 | - | - | 0.5 | 0.5 | - | - | - | 1.7 | 3.7 | - |
| Daejeon | < 28 | 98.0 | 62.6 | 9.7 | 6.1 | 63.4 | 93.7 | 44.9 | 4.6 | 1.3 | 43.7 |
| | 28-32 | 1.9 | 31.2 | 34.3 | 28.5 | 29.1 | 6.0 | 42.8 | 24.6 | 15.4 | 35.6 |
| | 32-35 | - | 5.7 | 37.6 | 36.7 | 6.5 | 0.3 | 10.6 | 35.4 | 31.3 | 15.8 |
| | 35-40 | - | 0.5 | 18.1 | 28.3 | 1.0 | - | 1.7 | 34.1 | 48.1 | 4.9 |
| | > 40 | - | - | 0.3 | 0.5 | - | - | - | 1.4 | 4.0 | - |
| Busan | < 28 | 99.4 | 74.3 | 11.4 | 2.7 | 51.9 | 96.6 | 55.4 | 5.2 | 0.2 | 30.7 |
| | 28-32 | 0.6 | 23.7 | 35.3 | 25.8 | 38.6 | 3.4 | 38.8 | 27.5 | 12.1 | 43.9 |
| | 32-35 | - | 2.0 | 36.3 | 41.4 | 8.9 | - | 5.5 | 35.3 | 32.8 | 20.7 |
| | 35-40 | - | - | 16.9 | 30.0 | 0.6 | - | 0.3 | 31.6 | 53.5 | 4.7 |
| | > 40 | - | - | 0.1 | 0.1 | - | - | - | 0.4 | 1.4 | - |

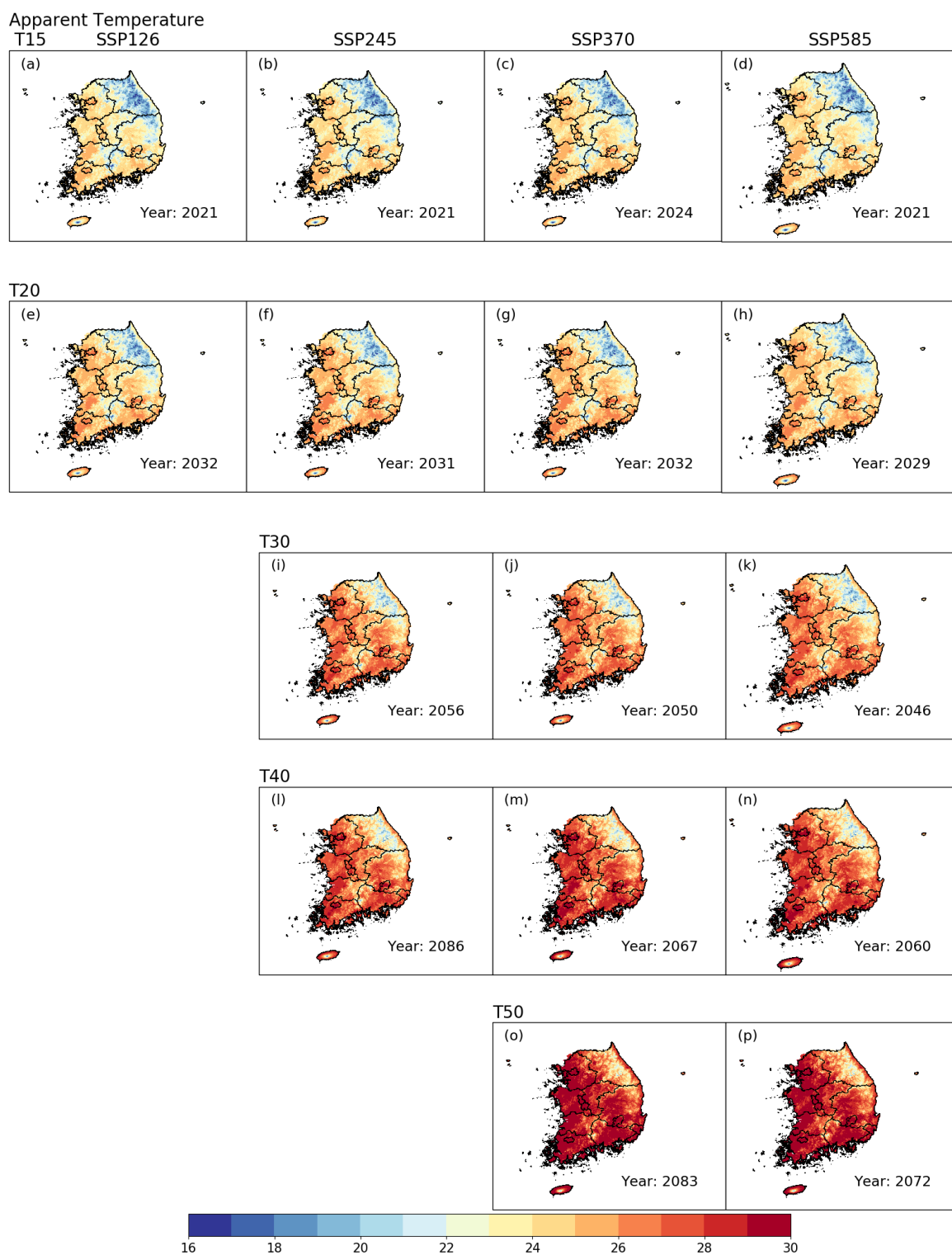


Figure S1. Spatial distribution of May to September averaged apparent temperature (AT) for the five GWLs (T15 [first row] to T50 [fifth row]).

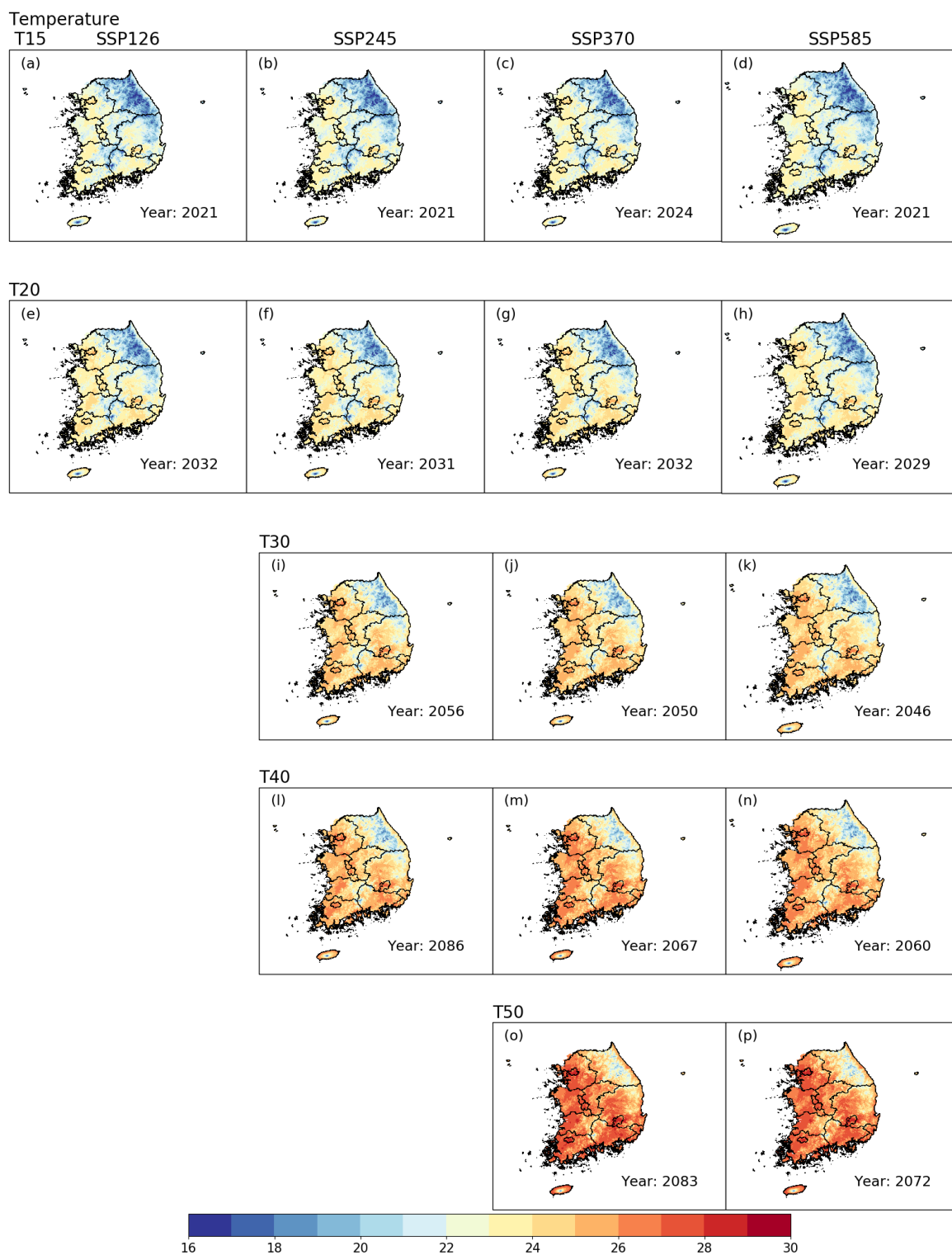


Figure S2. Same as Fig. S1 except for temperature (TAS).

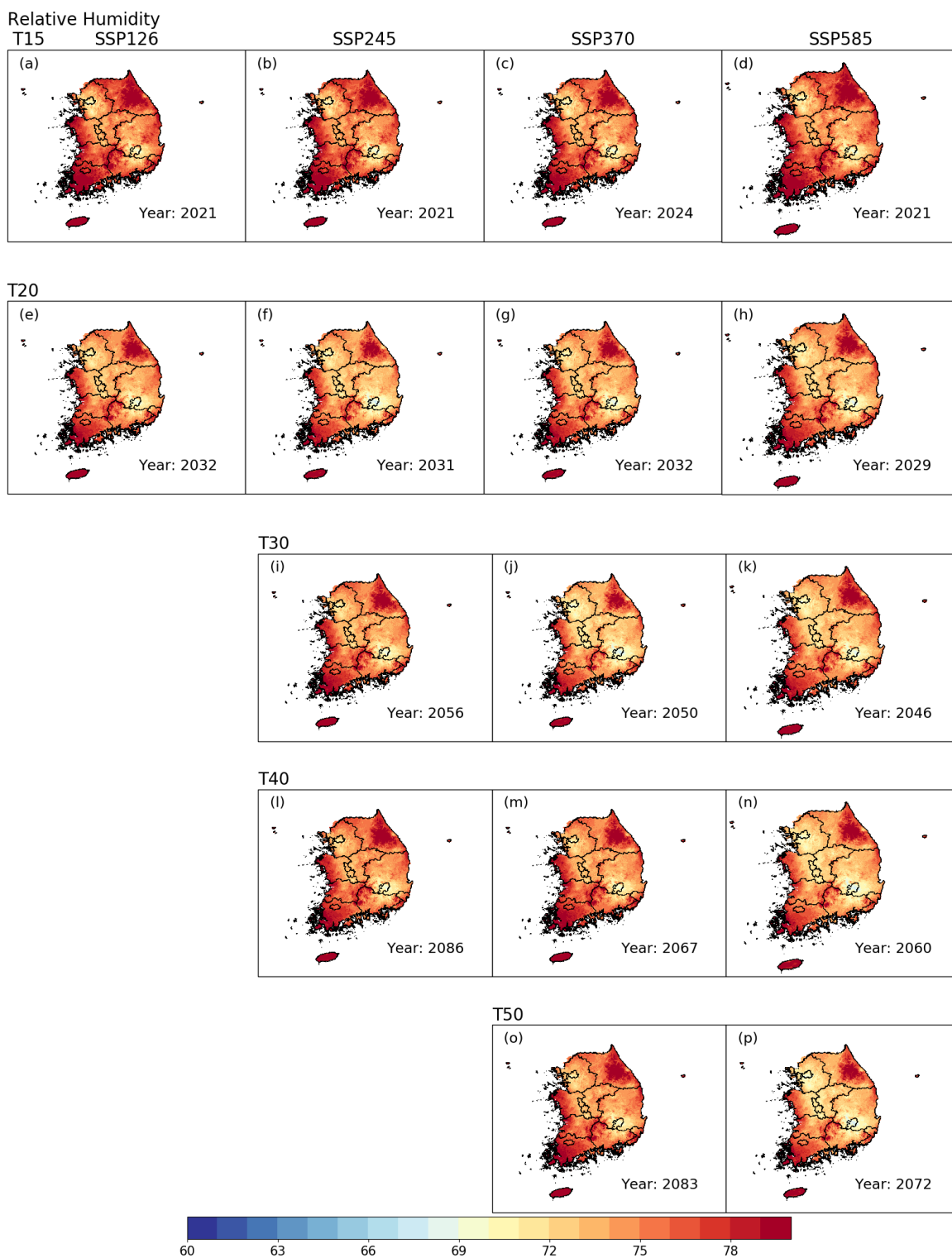


Figure S3. Same as Fig. S1 except for relative humidity (RH).