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| **S4 Table. Heat waves and regional thresholds identified for all NWS regions from 2005-2012, by region and method of imputation.** |
| Region | Imputation Method | Heat Waves | Regional Threshold |
| JAX | Ignoring missing data | August 5-14, 2007 | 41.67°C |
|  | Temporal | August 6-11, 2007 | 40.00°C |
|  | Spatial | August 6-11, 2007 | 40.00°C |
|  | Spatio-temporal | August 6-11, 2007 | 40.00°C |
| MFL/KEY | Ignoring missing data | August 11-21, 2010 | 40.56°C |
|  | Temporal | August 18-21, 2010July 22-25, 2011 | 39.44°C |
|  | Spatial | August 18-21, 2010July 22-25, 2011 | 39.44°C |
|  | Spatio-temporal | August 18-21, 2010July 22-25, 2011 | 39.44°C |
| MLB | Ignoring missing data | July 24-August 3, 2010August 11-17, 2011 | 41.11°C |
|  | Temporal | June 14-16, 2010July 24-August 1, 2010August 17-21, 2010 | 37.78°C |
|  | Spatial | August 13-20, 2005June 20-22, 2009 | 38.89°C |
|  | Spatio-temporal | August 13-20, 2005June 20-22, 2009 | 38.89°C |
| MOB | Ignoring missing data | July 20-August 14, 2010 | 44.44°C |
|  | Temporal | July 20-August 14, 2010 | 43.33°C |
|  | Spatial | July 20-August 14, 2010 | 43.33°C |
|  | Spatio-temporal | July 20-August 14, 2010 | 43.33°C |
| TAE | Ignoring missing data | August 5-18, 2007June 14-23, 2009July 9-August 10, 2010 | 42.78°C |
|  | Temporal | June 16-23, 2009 | 41.67°C |
|  | Spatial | June 16-23, 2009 | 41.67°C |
|  | Spatio-temporal | June 16-23, 2009July 28-August 10, 2010 | 41.67°C |
| TBW | Ignoring missing data | June 20-23, 2009 | 41.11°C |
|  | Temporal | August 17-19, 2005August 1-3, 2010 | 38.33°C |
|  | Spatial | August 16-19, 2005 | 38.89°C |
|  | Spatio-temporal | August 16-19, 2005 | 38.89°C |