

Table S1. Days with temperature measurements considered in this study, along with the Landsat 7 ETM+ and MODIS images available for each date.

Date	Landsat date	Stations imaged			MOD28 date	Stations imaged			MOD11 date	Stations imaged		
		Southern	Central	Northern		Southern	Central	Northern		Southern	Central	Northern
2001/08/21	same date	X	X	X	same date	-	X	X	same date	X	X	X
2001/10/24	same date	X	X	X	same date	X	X	X	same date	X	X	X
2002/01/29	2002/01/28	X	X	X	same date	X	X	X	same date	X	X	X
2002/11/19	same date	X	X	X	same date	-	X	-	same date	X	X	X
2003/10/21	same date	X	X	-	same date	-	X	X	same date	-	X	X
2004/02/10	same date	X	X	-	same date	X	X	-	same date	X	X	X
2005/05/03	same date	X	X	X	unavailable	-	-	-	same date	X	X	X
2008/11/12	same date	X	X	X	same date	X	X	X	same date	X	X	X
2010/06/11	same date	X	X	X	same date	X	X	-	same date	X	X	X
2010/07/29	same date	X	X	X	unavailable	-	-	-	same date	X	X	X
2010/11/23	2010/11/25	X	X	X	2010/11/24	X	X	X	2010/11/25	X	X	X
2011/04/27	same date	X	X	X	2011/04/29	-	X	-	same date	X	X	X
2011/07/07	same date	X	X	X	same date	X	X	X	same date	X	X	X
2011/11/27	2011/11/28	X	-	-	2011/11/26	-	X	X	2011/11/26	X	X	X
2012/03/28	same date	X	X	X	same date				2012/03/27	-	X	-
2012/04/18	2012/04/20	X	X	X	2012/04/18	-	X	X	2012/04/18	X	X	X
2012/05/30	2012/05/31	X	X	X	2012/05/31	X	X	X	2012/05/31	X	X	X
2012/07/24	2012/07/25	X	X	X	2012/07/22	-	X	-	2012/07/25	X	X	X
2012/09/26	2012/09/27	X	X	X	2012/09/27	-	X	X	2012/09/27	X	X	X
2013/03/14	2013/03/15	-	-	X	2013/03/15	X	-	X	2013/03/15	X	X	-
2013/04/16	same date	X	X	X	2013/04/15	-	-	X	2013/04/17	-	X	X
2014/05/27	2014/05/28	X	X	X	2014/05/28	X	X	-	2014/05/28	X	X	-
2014/11/11	2014/11/13	X	X	X	2014/11/09	-	X	X	2014/11/13	X	X	X
2015/03/04	2015/03/05	X	-	X	2015/05/05	X	X	X	2015/05/03	X	X	X
2016/11/10	unavailable	-	-	-	2016/11/11	X	X	X	2016/11/11	X	X	X
2018/05/22	2018/05/23	X	X	X	2018/05/23	-	X	X	2018/05/23	X	X	X