

Supporting Information for

Accelerating thermokarst lake changes on the Qinghai-Tibetan Plateau

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Table S1. Sentinel-2A images for lake extraction

Table S2. Landsat images for long time analysis of lakes

Table S1. Sentinel-2A images for lake extraction

Name
S2A_MSIL2A_20210928T042711_N0301_R133_T46RDV_20210928T074543.SAFE
S2A_MSIL2A_20210928T042711_N0301_R133_T46SCA_20210928T074543.SAFE
S2A_MSIL2A_20210928T042711_N0301_R133_T46SDC_20210928T074543.SAFE
S2A_MSIL2A_20210928T042711_N0301_R133_T46SDD_20210928T074543.SAFE
S2A_MSIL2A_20211008T042711_N0301_R133_T46SCB_20211008T072506.SAFE
S2A_MSIL2A_20211008T042711_N0301_R133_T46SCC_20211008T072506.SAFE
S2B_MSIL2A_20211013T042729_N0301_R133_T46RCU_20211013T064657.SAFE
S2B_MSIL2A_20211013T042729_N0301_R133_T46RCV_20211013T064657.SAFE
S2B_MSIL2A_20211013T042729_N0301_R133_T46SEE_20211013T073505.SAFE

Table S2. Landsat images for long time analysis of lakes

Time	Name
1988	LT05_L1TP_137035_19880914_20200917_02_T1
1988	LT05_L1TP_137036_19880914_20200917_02_T1
1988	LT05_L1TP_137037_19880914_20200917_02_T1
1988	LT05_L1TP_137038_19880914_20200917_02_T1
1988	LT05_L1TP_137039_19880914_20200917_02_T1
1988	LT05_L1TP_138037_19880430_20200917_02_T1
1991	LT05_L1TP_137035_19911009_20201029_02_T1
1991	LT05_L1TP_137036_19911009_20200915_02_T1
1991	LT05_L1TP_137037_19911009_20200915_02_T1
1991	LT05_L1TP_137038_19911009_20200915_02_T1
1991	LT05_L1TP_137039_19911009_20200915_02_T1
1991	LT05_L1TP_138037_19910914_20200915_02_T1
1995	LT05_L1TP_137035_19950817_20200912_02_T1
1995	LT05_L1TP_137036_19950817_20200912_02_T1
1995	LT05_L1TP_137037_19950817_20200912_02_T1
1995	LT05_L1TP_137038_19950817_20200912_02_T1
1995	LT05_L1TP_137039_19950817_20200912_02_T1
1995	LT05_L1TP_138037_19951011_20200912_02_T1
1997	LT05_L1TP_137035_19970822_20200910_02_T1
1997	LT05_L1TP_137036_19970822_20200910_02_T1
1997	LT05_L1TP_137037_19970822_20200910_02_T1
1997	LT05_L1TP_137038_19970822_20200910_02_T1
1997	LT05_L1TP_138037_19970117_20200910_02_T1
1997	LT05_L1TP_138039_19970218_20200911_02_T1
2002	LT05_L1TP_137035_20021007_20200905_02_T1
2002	LT05_L1TP_137036_20021007_20200905_02_T1
2002	LT05_L1TP_137037_20021007_20200905_02_T1
2002	LT05_L1TP_137038_20021007_20200905_02_T1
2003	LT05_L1TP_137039_20031213_20200904_02_T1

2002	LT05_L1TP_138037_20020624_20200905_02_T1
2007	LT05_L1TP_137035_20070919_20200829_02_T1
2007	LT05_L1TP_137036_20070919_20200830_02_T1
2007	LT05_L1TP_137037_20070919_20200830_02_T1
2007	LT05_L1TP_137038_20070802_20200829_02_T1
2007	LT05_L1TP_137039_20070122_20200831_02_T1
2007	LT05_L1TP_138037_20070505_20200830_02_T1
2011	LT05_L1TP_137035_20110202_20200823_02_T1
2011	LT05_L1TP_137036_20110914_20200820_02_T1
2011	LT05_L1TP_137037_20110914_20200820_02_T1
2011	LT05_L1TP_137038_20110914_20200820_02_T1
2011	LT05_L1TP_137039_20110914_20200820_02_T1
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2015	LC08_L1TP_137038_20150723_20200908_02_T1
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2015	LC08_L1TP_138038_20151002_20200908_02_T1
2015	LC08_L1TP_138039_20151002_20200908_02_T1
2020	LC08_L1TP_137035_20201008_20201016_02_T1
2020	LC08_L1TP_137036_20201008_20201016_02_T1
2020	LC08_L1TP_137037_20201008_20201016_02_T1
2020	LC08_L1TP_137038_20201008_20201016_02_T1
2020	LC08_L1TP_137039_20201008_20201016_02_T1
2020	LC08_L1TP_138037_20201015_20201105_02_T1
2020	LC08_L1TP_138038_20201015_20201105_02_T1