



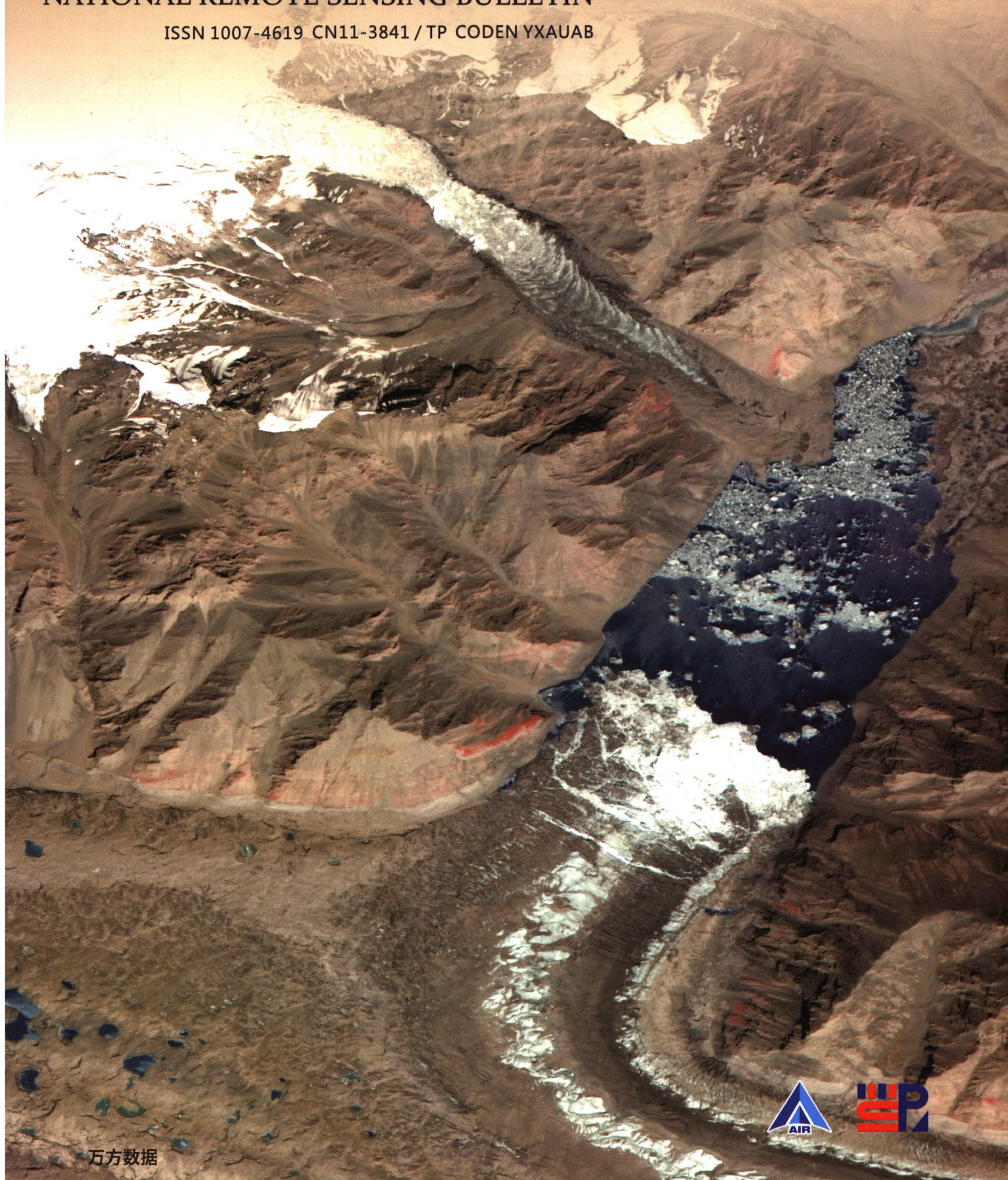
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About the Cover

高分六号卫星麦兹巴赫冰川湖遥感影像

GF-6 satellite remote sensing imagery of Lake Merzbacher

封面图片为 2022 年 7 月 3 日获取的麦兹巴赫冰川湖下湖高分六号卫星融合后 2 m 分辨率多光谱标准假彩色合成影像(应急管理部国家减灾中心供图)。麦兹巴赫冰川湖位于吉尔吉斯斯坦境内,地处天山山脉伊利尔切克冰川南北两支的交汇处,海拔约 3300 m,是阿克苏河重要支流库拉克河流域的一个大型的高山冰川湖,由上湖、下湖两个湖泊组成。上湖位于伊利尔切克冰川北支前缘,下湖是由伊利尔切克冰川南支阻塞而形成的冰川堰塞湖。麦兹巴赫冰川湖下湖水下泻造成的溃决洪水是中国阿克苏地区重要的洪水灾害之一,已有百年历史记录,主要发生在 7—9 月份,对下游中国境内库拉克河沿岸的基础设施和居民生命财产安全造成影响。

The cover image is the 2-meter resolution multi-spectral standard false-color composite image of Lower Lake Merzbacher, acquired by GF-6 satellite on July 3, 2022. Lake Merzbacher is located at the intersection of the northern branch of the Inylchek Glacier and the southern branch of the Inylchek Glacier in Tian Shan mountain range, with an altitude of about 3300 m above sea level. It is a large alpine glacier lake in the Kumalak River basin, an important tributary of the Aksu River, and consists of two lakes: the upper lake (Upper Lake Merzbacher) and the lower lake (Lower Lake Merzbacher). The upper lake is located in the front of Northern Inylchek Glacier, while the lower lake is an ice-dammed lake produced by the blockage of Southern Inylchek Glacier. The outburst flood caused by the discharge of Lake Merzbacher's lower lake water is one of the most important flood disasters in Aksu region in China, and has been recorded for hundred years. It mainly occurs from July to September, and affects the infrastructure and the safety of residents along the Kumarik River in China.

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