

典型应用

CBERS-02B星数据在5•12汶川地震灾害监测中的应用——以唐家山堰塞湖动态监测为例

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摘要:

利用CBERS-02B星获取的多时相CCD数据,采用人机交互方式对唐家山堰塞湖进行水体信息提取,对湖泊面积变化进行统计分析,从而了解湖面的动态变化及发展趋势,为地质灾情评估与灾害防治提供了量化依据。

关键词: 堰塞湖; 动态监测; 图像解译

THE APPLICATION OF CBERS-02B DATA TO THE DISASTER MONITORING OF THE "5, 12" WENCHUAN EARTHQUAKE: THE DYNAMIC MONITORING OF THE TANGJIASHAN BARRIER LAKE

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Abstract:

In this paper, the authors used multi-temporal CCD data from the CBERS-02B satellite and adopted the human-computer interaction to extract water information from the Tangjiashan barrier lake. Statistic analysis was employed to detect the change of the lake area so as to understand its variation and trend. The result can provide some quantitative basis for the study of geological hazards situation and hazards prevention.

Keywords: Barrier lake; Dynamic monitoring; Image interpretation

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