

技术方法

CBERS影像的业务化大气订正

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摘要:

摘要: 针对CBERS卫星影像特点, 基于大气辐射传输方程原理, 以MODTRAN模型为内核, 建立气溶胶光学厚度查找表, 进行CBERS影像大气订正, 以满足业务化生产定量产品的需求。利用2005年8月14日四川广元嘉陵江流域CBERS影像进行大气订正结果验证, 取得较好的应用效果。

关键词: CBERS; 大气订正

THE OPERATIONAL ATMOSPHERIC CORRECTION OF CBERS IMAGE

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Abstract:

Based on characteristics of the CBERS image and the theory of the atmospheric radioactive transfer model and using MODTRAN as the core of the algorithm, the authors established the aerosol optical depth search table to correct the atmospheric influence. This means can meet the needs of operational quantitative products of CBERS, and can also yield fairly good application effects, as was evidenced by using the CBERS image in the atmospheric correction along the Gailingjiang River valley of Guangyuan in Sichuan Province on August 14, 2005.

Keywords: CBERS; Atmospheric correction

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