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# 遥感学报

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# 遥感学报

Yaogan Xuebao

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“海丝二号”多光谱小卫星长江入海口区域假彩色影像

False color image of the area around Changjiang mouth by HISEA-2 satellite

封面图片为 2021 年 6 月 23 日“海丝二号”多光谱小卫星 (HISEA-2) 获取的长江入海口区域假彩色影像, 非常清楚地展现了崇明岛外海水域的高泥沙含量和其层次丰富的空间分布, 长江口和近海繁忙的船只清晰可见。“海丝二号”是国际上首颗同时具有高分辨率 (20 m)、大幅宽 (~200 km) 和高信噪比 (~300 dB) 的 8 通道水色小卫星, 其发射和运行将为近海和内陆湖泊等的生态环境观测提供强有力的支持。

The cover image is a false color image of the area around Changjiang mouth, obtained by HISEA-2 on June 23, 2021. It vividly shows the high concentration of suspended sediments for waters around ChongMing Island and its dynamic variations of nearby regions, as well as the many boats around the river mouth. HISEA-2 is the first smallsat aimed at water color observations that simultaneously has high spatial resolution (20 m), large swath (~200 km) and high signal-noise ratio (~300 dB) at eight spectral bands in the visible-NIR domain. Its successful launch and operation will greatly enhance the observations and management of aquatic ecosystems in nearshore and inland lake environments.

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