

# FORMOSAT-2 Satellite Imaging Scheduling

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**Abstract:** Nowadays the satellite imagery is one of principle information for land and disaster management. The object of earth observation satellite is to obtain fair-amount of image data and satisfying user's requirements. In order to obtain maximum benefit, it has to consider the constraint of satellite availability such as the agility, solid state recorder and imaging request. Meanwhile, the satellite attitude of imaging time as well as weather condition of target, which is close related to the resultant data would be also take into account. Under this scenario, the image scheduling problem is the process of selecting which image request to be acquired from a set of candidates and decide when to acquire. In this paper, we will formulate the model for the problem according to the experience of FORMOSAT-2 programming operation and presents the procedure of decide the imaging activity.

Keyword : FORMOSAT-2, satellite imaging scheduling, Earth observing satellite