

KOREA'S FIRST SATELLITE FOR SATELLITE LASER RANGING

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Abstract

Science Technology Satellite-2 (STSAT-2) has been developed since Oct. 2002 as a sequel mission to KAISTSAT-4 (STSAT-1). STSAT-2 is schedule to be launched into an ellipsoidal orbit of 300km x 1500km in Dec. 2005, which seems to be delayed by two years, by the first Korea Satellite launch Vehicle KSLV-1. STSAT-2 has two payloads: a Lyman-alpha imaging solar telescope and a laser reflector array (LRA) for satellite laser ranging. The paper first presents a brief introduction to the STSAT-2 program. Then this paper presents the current status of the LRA development. In addition, we also introduce the beginning activities on SLR in Korea.