

December 26, 2014

## MICRO-SATELLITE “HODOYOSHI-1” Open Its Eye

A micro-satellite “Hodoyoshi-1” developed by The University of Tokyo in cooperation with Next-generation Space Systems Technology Research Association (President: Koji Yamaguchi) and Axelspace Corporation in the FIRST program of Cabinet Office of Japan has successfully taken earth images. This is now in checking phase for starting a demonstration experiment of using micro-satellite images\* within 1-2 months.



Fig1. Place of Photos

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\* A business demonstration experiment\* of using micro-satellite images : Axelspace is planning to experiment a business demonstration using images taken by “Hodoyoshi-1” with two companies (Asia Air Survey Co., Ltd. and Kokusai Kogyo Co., Ltd.) and one foundation (Remote Sensing Technology Center of Japan). Please refer the previous news release on 7<sup>th</sup> Dec. 2012.

<http://en.axelspace.com/info/press20121207/>



Fig2-1. Center of Dammam (26°25'N 50°08'E at 19/Dec/2014)



Fig2-2. Port under construction. There are some moving and anchoring ships.

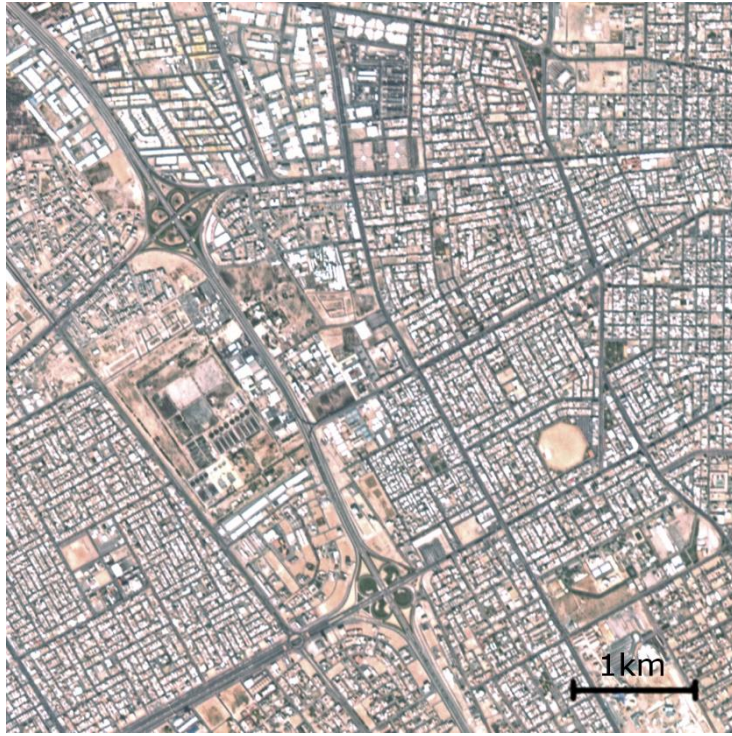


Fig2-3. Junction (bottom of center) and mosque (right circular building)

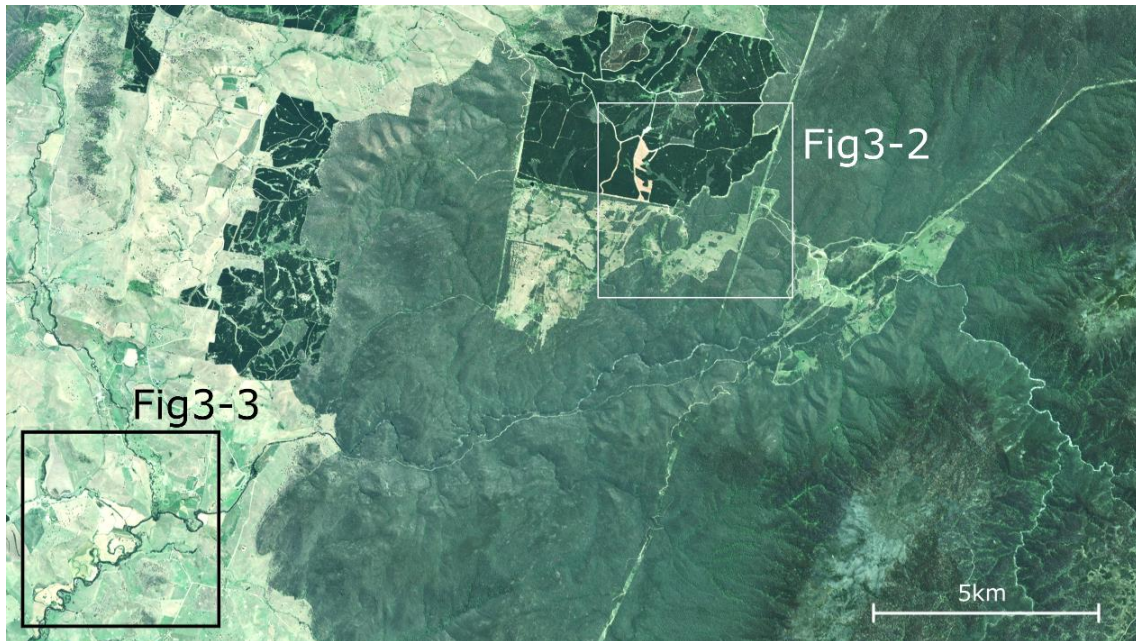


Fig3-1. South East Forest Area in Australia  
Maragle Hill State Forest (35°59'S 148°10'E at 17/Dec/2014)

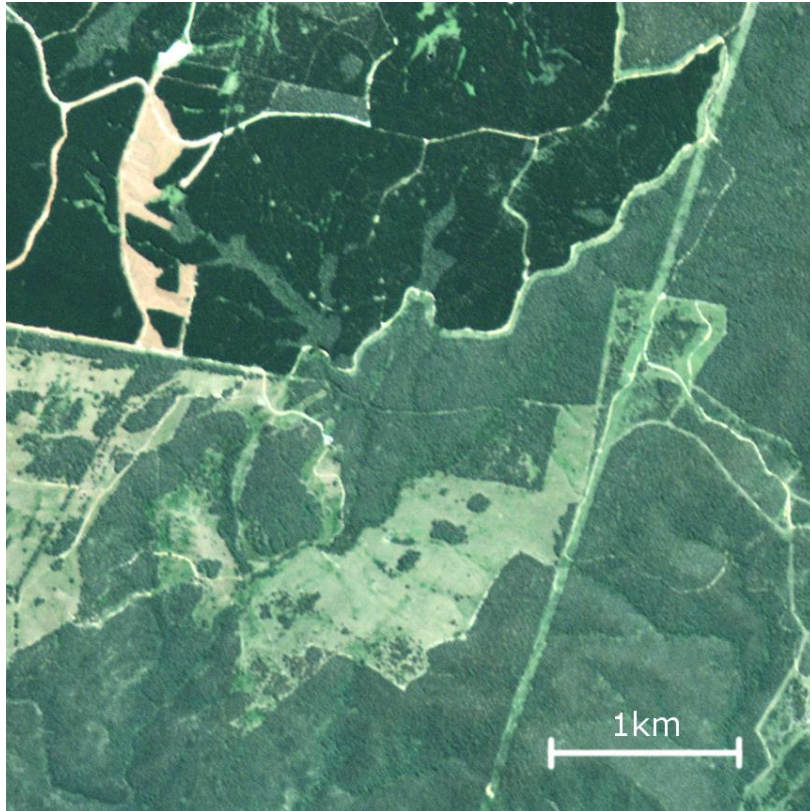


Fig3-2. Different types of trees and forest road.



Fig3-3. Complex pattern of river (center)

[Over view]

Hodoyoshi-1 is a 60kg micro-satellite with a cubic shape, 60cm on a side which launched on 6<sup>th</sup> November 2014 by Dnepr Launch Vehicle. The mission of the satellite is earth observation and a business demonstration experiment using images taken by Hodoyoshi-1.

Hodoyoshi-1 has an optical sensor and observes from the sun-synchronous orbit an altitude of 500km. The mission specifications of Hodoyoshi-1 are equivalent to those of a traditional larger satellite heavier than 150kg.

Previous Press Release about Hodoyoshi-1 launch on 7<sup>th</sup> November 2014

<http://www.t.u-tokyo.ac.jp/epage/release/2014/2014110701.html>