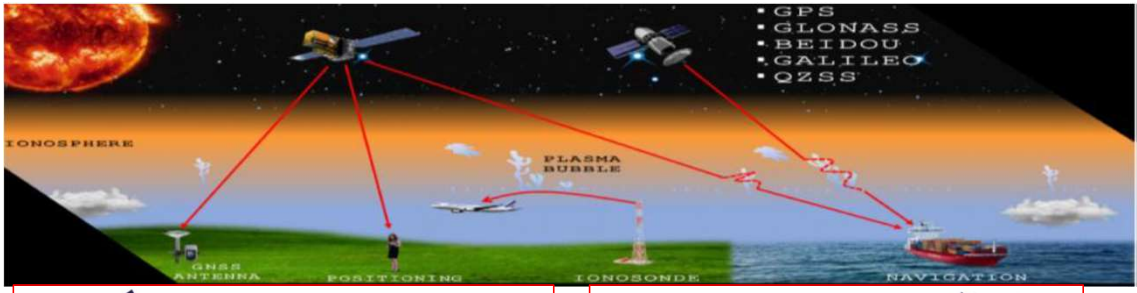
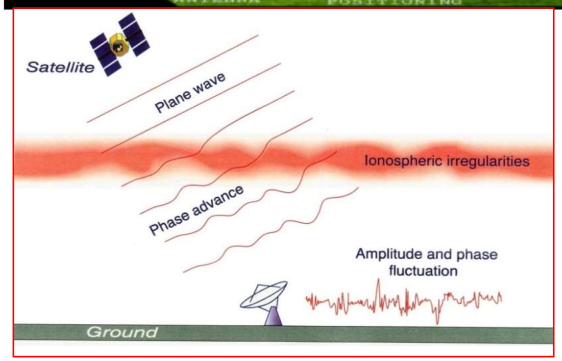
GNSS and Ionospheric Data Products for Disaster Prevention and Aviation in Magnetic Low-Latitude Regions Phase II

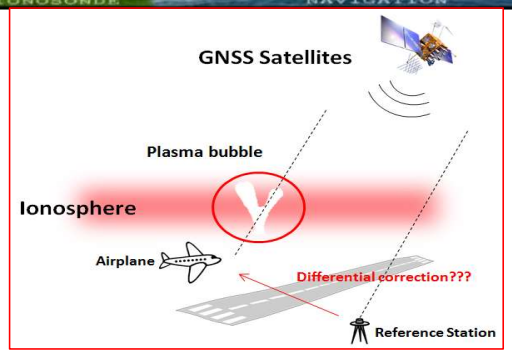
ASEAN IVO 2021

Introduction:

This project aims to expand ionospheric observational infrastructure further in Cambodia and perform data analysis using Artificial Intelligence technique on the data collected from multi-sensor sources installed at the magnetic equator and low-latitude region to produce the useful information and data products for forecasting the irregularities and disturbances and aviation industry. It also plans to investigate the performance of a real-time Kinematics (RTK) positioning system under the ionospheric disturbances. Importantly, this project aims to establish a GNSS and Space Weather Excellence Center at KMITL, Thailand to disseminate the knowledge and research information on GNSS, ionosphere and space weather effects in the region.







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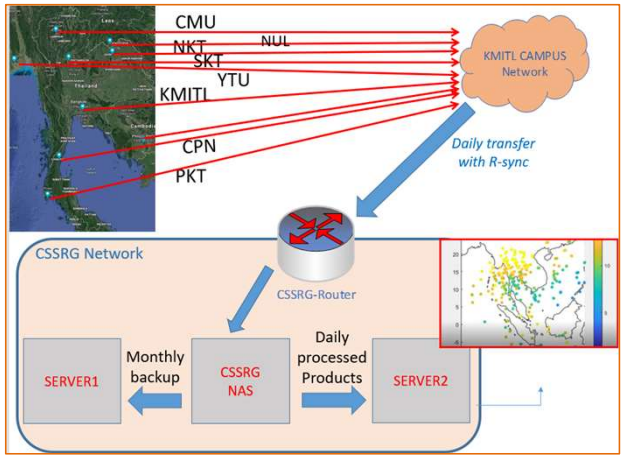

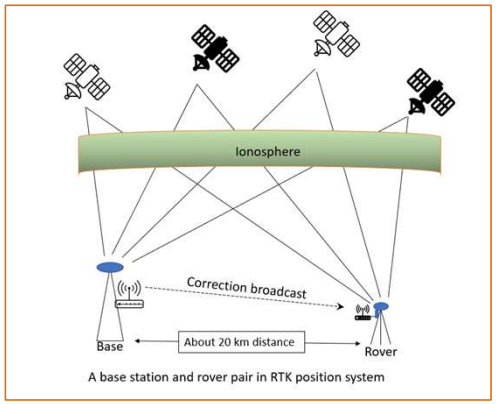

http://iono-gnss.kmitl.ac.th/