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# **STATUS OF THE FUTURE CNSA EARTH OBSERVATION MISSIONS**

CGMS is informed of the status of the future China National Space Administration Earth Observation mission. It includes CBERS 03/04, HY-2 and HJ-1C. HJ-1C will be launched in 2009. This paper will be introduced the status of satellites in developing.

## **STATUS OF THE FUTURE CNSA EARTH OBSERVATION MISSIONS**

### **1.-INTRODUCTION**

CNSA is still stressing on the coordinating satellite technology improvement with satellite operating. The new Earth observation missions are developing, including CBERS 03/04, HJ-1C, HY-2. CNSA's future Earth observation missions are introduced briefly as follows:

### **2.-STATUS OF THE CBERS03/04 MISSIONS**

The mission objectives of CBERS03/04 are the same with CBERS01/02. They keep down 20-meter multi-spectral data which enables the stability of CBERS01/02 observation data. And increase 5 meters multi-spectral data. and 40meter infrared multi-spectral data. The resolution of Wide-Field Imager improves to 73 meters owning four spectrum bands and 866 km of scanning width. CBERS03 will be launched around 2010

### **3.-STATUS OF THE HJ-1C MISSION**

HJ-1C are the part of environment and disaster monitoring small satellite constellation, it will obtain data of S-band SAR, which is developing in phase D and will be launched in 2009.

### **4.-STATUS OF THE HY-2 MISSION**

CNSA starts and implements Ocean Dynamics Environmental Satellite Program (HY-2) in 2007. HY-2 will be launched in 2010. The mission is monitoring and detecting marine dynamics status, including ocean surface wind fields, sea surface height, the significant wave height, ocean gravity field, ocean circulation, sea surface temperature and other important parameters for oceanic scientific research. It equipped with Microwave Radar Altimeter, Microwave Scatterometer and Microwave Radiometer. It contributed for global ocean observation of continuity on data of scattermeter and altimeter.

HY-2 is developing in phase C now. We hope to cooperate with other same type oceanic satellite for the realization of complementary data, inter-calibration and data sharing. Its status is introduced in CGMS36-cnsa-wp-04 and CGMS36-CNSA-WP-05.