

HUMAN SPACE ENDEAVOURS SYMPOSIUM (B3)
How Can We Best Apply Our Experience to Future Human Missions? (2)

Author: Mr. Kazuya Imaki
Japan Manned Space Systems Corporation, Japan, imaki.kazuya@jamss.co.jp

Mr. Shuichi Ichimura
Japan Manned Space Systems Corporation (JAMSS), Japan, ichimura.shuichi@jamss.co.jp

Mr. Riki Hoshikawa
Japan Manned Space Systems Corporation, Japan, hoshikawa.riki@jamss.co.jp

CONCEPT OF THE OPERATIONAL TECHNIQUES APPLIED TO THE NEXT MANNED SPACE
FLIGHT EXPLORATION PROGRAM BASED ON JEM OPERATION

Abstract

In International Space Station (ISS) in which Japan participates, the Japanese Element Module(JEM) was assembled and completed on orbit in 2008. It is called “Kibo”. After that, it is operating healthfully and is achieving the success of various experiments in “Kibo” (JEM). And, it is observed by the Japanese people or media as a place of activity by a Japanese astronaut. This is the first experience that a manned space system (“Kibo”) is maintained during a long time on orbit in the history of space development of Japan. The experience and the knowledge which were acquired in the meantime are very useful property when furthering the next manned space exploration program. Here, the latest technology for JEM System and the operational technique acquired by the JEM operation is introduced. And, the application concept for the next manned space exploration program is shown.