

Mars Exploration (5)

Mars Exploration (1)

Author: Mrs. wang caiqin

China Academy of Space Technology (CAST), China, wangcaiqin1980@126.com

Mrs. Xu pengmei

China, xupengmei@yahoo.com.cn

Mr. jianfu wu

Beijing Institute of Space Mechanics and Electricity, China, 275994321@qq.com

DISCUSS ON INFLUENCE OF MARS ENVIRONMENT ON REMOTE SENSING DETECTION AND KEY TECHNOLOGIES

Abstract

With the development of space technology in the world, the exploration of Mars has been raised. In the remote sensing missions to Mars, the environment of Mars has an important impact on the success or failure of the mission. Based on the introduction of the research situation of Mars abroad, the environmental data collected from Mars exploration are collected and analyzed, which includes the structure and gravity of Mars, surface composition and characteristics, the characteristics of the Martian atmosphere. Several key techniques to Mars are discussed, ultra long range communication technology, Mars thermal control technology, weight problem and interstellar particle protection are analyzed. It has a certain reference value for the subsequent Mars exploration and the development of related models of task research.