Based on the future Chinese Mars mission, firstly a brief review of previous successful Mars landing is given. Followed by above, the cause of blackout and its relationship with communication are analyzed. In order to solve the communication blackout problems, some key techniques with their research progress are summarized. Finally, some proposals for the future Chinese exploration of Mars are presented.

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火星大气进入段通信“黑障”问题研究综述

崔平远， 窦强， 高艾

1.北京理工大学宇航学院，北京 100081； 2.飞行器动力学与控制教育部重点实验室，北京 100081

Review of Communication Blackout Problems Encountered During Mars Entry Phase

CUI Ping yuan, DOU Qiang, GAO Ai

1.School of Aerospace Engineering, Beijing Institute of Technology，Beijing 100081，China；
2.Key Laboratory of Dynamics and Control of Flight Vehicle, Ministry of Education，Beijing 100081，China

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