Preparing for Human Planetary Exploration

Abstract 1290 - Human exploration of planetary surfaces is anticipated in future planetary missions. My research prepares, on Earth, instruments and exploration strategies needed in such missions. Along with a team, I conduct test studies of instruments and strategies at Mars-like deserts (Kilauea, Hawaii). The graphic image on the right is a vision of the future exploration on Mars based on a real analog mission conducted on Earth (left photo). Analog study like this brings invaluable insights and lays the foundation for achieving success in future missions.