

SPACE EXPLORATION SYMPOSIUM (A3)  
Mars Exploration – Science, Instruments and Technologies (3B)

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THE WATER OF MARS IS DRINKABLE?

**Abstract**

The water of Mars is drinkable? Carlos Hernando Rebellon B The water of Mars is drinkable for human people? This is a real question in from of future mission to Mars with human presence. Today after several mission to Mars, we have the confirmation of water in Mars. From the optical observation some centuries ago we know about the ice on the surface of Mars: north and south poles but only until Vikings missions in 1976 we can think that those poles are conform with water and not only with dioxide of carbon, recent missions was confirm to us and was show to us about water presence on Mars. These papers try to call the attention to improve research in order to obtain the answer of: 1) the water of Mars is potable for human use? and in this area we need to know if one person can drink a cup of water directly from the Mars environment without any problem and if this is possible , the physical condition of water of Mars in human body act like an Earth ? , But if it's not possible, what can we do about it? ; 2) The water of Mars can straight support the plant life like in Earth and if it's not possible what can we do about it? ; 3) The water of Mars can directly support the life of any kind of animals like in Earth : fishes , birds ,and insects , . . . and if it's not possible what can we do about it? ; and , 4) Can we find today liquid water on Mars ? If not possible what can we do to obtain liquid water on Mars?