

David Wayne Mittlefehldt

October 2022

Education: 1978: Ph.D. in Geochemistry, University of California, Los Angeles. 1973: B.S. in Geology, Magna Cum Laude, State University of New York, College at Fredonia.

Employment History: Current: Heritage Fellow, Lunar and Planetary Institute, Houston, Texas. 2000-2021: Scientist, Astromaterials Research and Exploration Science Division, NASA/Johnson Space Center, Houston, Texas (retired 31 Dec. 2021). 1987-2000: Staff Scientist, Basic and Applied Research Department, Lockheed Martin Engineering and Sciences Co., Houston, TX. 1985-1987: NASA Research Associate at Johnson Space Center, National Research Council, Houston, TX. 1980-1986: Lecturer in Geology, Dept. of Geology and Mineralogy, Ben-Gurion University of the Negev, Be'er Sheva, Israel. 1979-1980: Postdoctoral Fellow, Dept. of Isotope Research, Weizmann Institute of Science, Rehovot, Israel. 1978-1979: Postdoctoral Research Associate, Lunar and Planetary Laboratory, University of Arizona, Tucson, AZ.

Experience: Forty eight years experience in basic geological research; mostly with NASA/Johnson Space Center. Twelve years management experience with Lockheed Martin Engineering and Sciences Co. Six years teaching experience; mostly at Ben-Gurion University of the Negev.

NASA Mission Support: 2010-2014: Dawn Mission to asteroid 4 Vesta, participating scientist. 2005-2019: Mars Exploration Rover Mission, participating scientist.

Extramural Professional Activities: 2021-2022: Guest Editor, *Journal of Geophysical Research: Planets*. 2007-2014: Member, Natural Sciences Advisory Council, State University of New York at Fredonia. 2006-2011: Member of several committees for the Geochemical Society and the Meteoritical Society. 1998-2004, 2013: Associate Editor, *Meteoritics & Planetary Science*. 1997-1998, 2001-2002, 2004-2005, 2008-2009, 2016-2017: Member, Antarctic Search for Meteorites field teams. 1993-2020: Member, numerous NASA Proposal Review Panels. 1992-1997, 2002-2008: Associate Editor, *Geochimica et Cosmochimica Acta*.

Research Grants: Principal Investigator or Co-Investigator on numerous competitively awarded NASA research grants totaling in excess of \$6.4 million dollars over 34 years.

Honors: 2021: NASA Exceptional Service Medal. 2007: Doctor of Science (Honorary), State University of New York. 2003: Outstanding Achievement Award, Alumni Association, SUNY College at Fredonia. 2002: Asteroid 1981 EX13 named (5760) Mittlefehldt, recognizing my contributions to planetary science. 2002: Antarctic Service Medal. 1996 - Elected Fellow of the Meteoritical Society. 1973: Roy A. MacDiarmid Award, Dept. of Geology, SUNY College at Fredonia. 1971: Freshman Chemistry Award, Dept. of Chemistry, SUNY College at Fredonia.

Publications: Author or co-author of 162 peer-reviewed articles, 408 conference abstracts and 15 miscellaneous scientific and outreach publications.

Professional Organizations: Geological Society of America (life member), Meteoritical Society (Fellow); prior to retirement – American Geophysical Union, Geochemical Society.