## **Chronology of Mars Exploration**

## **Mission Timeline**

```
1960
Marsnik 1 (Mars 1960A) - 10 October 1960 - Attempted Mars Flyby (Launch Failure)
 Marsnik 2 (Mars 1960B) - 14 October 1960 - Attempted Mars Flyby (Launch Failure)
  1961
  1962
 Sputnik 22 - 24 October 1962 - Attempted Mars Flyby
■ Mars 1 - 1 November 1962 - Mars Flyby (Contact Lost)
 Sputnik 24 - 4 November 1962 - Attempted Mars Lander
  1963
  1964
 Mariner 3 - 5 November 1964 - Attempted Mars Flyby
■■ Mariner 4 - 28 November 1964 - Mars Flyby
Zond 2 - 30 November 1964 - Mars Flyby (Contact Lost)
  1965
 Zond 3 - 18 July 1965 - Lunar Flyby, Mars Test Vehicle
  1966
  1967
  1968
  1969
 <mark>== Mariner 6</mark> - 25 February 1969 - Mars Flyby
 <mark>= Mariner 7 - 27 March 1969 - Mars Fl</mark>yby
Mars 1969A - 27 March 1969 - Attempted Mars Orbiter (Launch Failure)
  ■ Mars 1969B - 2 April 1969 - Attempted Mars Orbiter (Launch Failure)
  1970
  1971
■ Mariner 8 - 9 May 1971 - Attempted Mars Flyby (Launch Failure)
Cosmos 419 - 10 May 1971 - Attempted Mars Orbiter/Lander
Mars 2 - 19 May 1971 - Mars Orbiter/ Attempted Lander
```

```
Mars 3 - 28 May 1971 - Mars Orbiter/ Lander
■■ Mariner 9 - 30 May 1971 - Mars Orbiter
1972
 1973
Mars 4 - 21 July 1973 - Mars Flyby (Attempted Mars Orbiter)
Mars 5 - 25 July 1973 - Mars Orbiter
Mars 6 - 5 August 1973 - Mars Lander (Contact Lost)
■ Mars 7 - 9 August 1973 - Mars Flyby (Attempted Mars Lander)
1974
1975
■■ Viking 1 - 20 August 1975 - Mars Orbiter and Lander
■■ Viking 2 - 9 September 1975 - Mars Orbiter and Lander
1976
 1977
  1978
 1979
 1980
 1981
 1982
1983
1984
 1985
 1986
1987
 1988
Phobos 1 - 7 July 1988 - Attempted Mars Orbiter/Phobos Landers
Phobos 2 - 12 July 1988 - Mars Orbiter/Attempted Phobos Landers
 1989
 1990
 1991
 1992
Mars Observer - 25 September 1992 - Attempted Mars Orbiter (Contact Lost)
1993
1994
1995
```

```
1996
■■ Mars Global Surveyor - 07 November 1996 - Mars Orbiter
■ Mars 96 - 16 November 1996 - Attempted Mars Orbiter/Landers
■■ Mars Pathfinder - 04 December 1996 - Mars Lander and Rover
 1997
 1998
Nozomi (Planet-B) - 3 July 1998 - Mars Orbiter
■■ Mars Climate Orbiter - 11 December 1998 - Attempted Mars Orbiter
1999
■■ Mars Polar Lander - 3 January 1999 - Attempted Mars Lander
■ Deep Space 2 (DS2) - 3 January 1999 - Attempted Mars Penetrators
 2000
  2001
2001 Mars Odyssey - 7 April 2001 - Mars Orbiter
  2002
  2003
■ Mars Express - 2 June 2003 - Mars Orbiter and Lander
Spirit (MER-A) - 10 June 2003 - Mars Rover
■■ Opportunity (MER-B) - 8 July 2003 - Mars Rover
2004
2005
■■ Mars Reconnaisance Orbiter - 12 August 2005 - Mars Orbiter
2006
2007
Phoenix - 04 August 2007 - Mars Scout Lander
 2008
  2009
  2010
  2011
■ Phobos-Grunt - 08 November 2011 - Attempted Martian Moon Phobos Lander
■ Yinghuo-1 - 08 November 2011 - Attempted Mars Orbiter
■■ Mars Science Laboratory - 26 November 2011 - Mars Rover
2012
  2013
■ Mangalyaan - 05 November 2013 - ISRO (India) Mars Orbiter
```

```
MAVEN - 18 November 2013 - Mars Scout Mission Orbiter
    2014
    2015
    2016
    ExoMars 2016 - 14 March 2016 - ESA Mars Orbiter and Lander
    2017
    2018
  ■■ InSight - 5 May 2018 - Mars Lander
    2019
    2020
  Hope - 19 July 2020 - United Arab Emirates Mars Orbiter
  Tianwen 1 - 23 July 2020 - Chinese Mars Orbiter and Rover
  ■■ Mars 2020 - 30 July 2020 - Mars Rover and Rotorcraft
    2021
    2022
    ExoMars 2022 - August-October 2022 - ESA Mars Rover and Russian Surface Platform
    2023
    2024
  ■ Martian Moons eXploration (MMX) - September 2024 - JAXA (Japan) Phobos Sample Return
Mission
  EscaPADE - 2024 - Dual Mars Orbiting Spacecraft
```

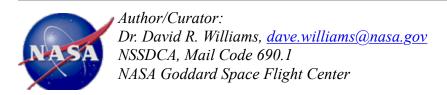
## **Other Missions**

## **Search for Mission Information**

To search for information on any mission, enter the spacecraft name in the box below.

Name:		Submit Query	C	lear

- Mars Home Page
- Chronology of Lunar and Planetary Exploration



Greenbelt, MD 20771

+1-301-286-1258

NASA Official: Dr. David R. Williams, david.r.williams@nasa.gov Last Updated: 24 June 2021, DRW