

HISTORICAL MILESTONES

- 1963 MARCH AGREEMENT WAS REACHED WITH THE AUSTRALIAN GOVERNMENT TO ESTABLISH A 26-METER DEEP SPACE STATION ^{AT TIDBINBILLA}
- JULY CONSTRUCTION WAS STARTED ON TIDBINBILLA, THE FIRST FULL S-BAND STATION OF THE DEEP SPACE NETWORK.
- 1964 OCTOBER CONSTRUCTION OF TIDBINBILLA 26-METER STATION WAS COMPLETED.
- 1965 MARCH 19 THE OFFICIAL OPENING CEREMONY WAS PERFORMED BY THE RIGHT HONORABLE R.G. MENZIES, PRIME MINISTER OF AUSTRALIA.
- THE STATION BECAME FULLY OPERATIONAL IN SUPPORT OF MARS MARINER III.
- 1966 APRIL CONSTRUCTION BEGAN ON THE MSFN CONTROL ROOM. ^{manned Space flight network}
- 1967 FEBRUARY THE MSFN CONTROL ROOM WAS COMPLETED.
- 1969 NOVEMBER CONSTRUCTION OF THE 64-METER ANTENNA (DSS42) COMMENCED, IN CONJUNCTION WITH MODIFICATIONS TO THE EQUIPMENT.
- 1972 JUNE 64 METER STRUCTURAL WORK COMPLETED.
- DECEMBER SUPPLEMENTARY TRACKING FOR APOLLO 17 BY THE 64-METER ANTENNA.
- 1973 APRIL 13 DEDICATION OF THE 64-METER ANTENNA BY THE ~~RIGHT~~ HONORABLE E.G. WHITLAM, PRIME MINISTER OF AUSTRALIA.
- 1975 NOVEMBER THE 64-METER ANTENNA HIGH POWER TRANSMITTER INSTALLATION COMPLETED.

MISSION MILESTONES

SPACECRAFT	LAUNCH DATE	COMMENTS
MARINER IV 4	28 NOV 1964	INTERPLANETARY EXPLORATION MARS ENCOUNTER 14 JUNE '65.
PIONEER VI 6	16 DEC 1965	HELIOCENTRIC ORBIT AROUND SUN. PARTICLES AND FIELDS STUDY.
SURVEYOR I 1	30 MAY 1966	LUNAR SOFT LANDING IN OCEAN OF STORMS ON 2 JUNE 1966, SCIENCE DATA AND PICTURES OF LUNAR SURFACE.
PIONEER VII 7	17 AUG 1966	HELIOCENTRIC ORBIT AROUND SUN. CONTINUING PARTICLE AND FIELDS STUDY.
SURVEYOR 2	20 SEPT 1966	LUNAR SOFT LANDING IN SINUS MEDII ON 23 SEPTEMBER 1966 ON 20 APRIL 1967.
SURVEYOR 3	17 APRIL 1967	LUNAR SOFT LANDING IN OCEANUS PROCELLARUM.
MARINER V 5	14 JUNE 1967	HELIOCENTRIC ORBIT. ENCOUNTER WITH VENUS. <i>ocean?</i>
SURVEYOR IV 4	14 JULY 1967	LUNAR SOFT LANDING IN SINUS MEDII ON 17 JULY 1967.
SURVEYOR V 5	8 SEPT 1967	LUNAR SOFT LANDING IN MARE TRANQUILLITATUS ON 11 SEPT 1967.
SURVEYOR VI 6	7 NOV 1967	LUNAR SOFT LANDING IN SINUS MEDII ON 10 NOV 1967. FIRST LIFT-OFF ON LUNAR SURFACE, MOVED 10 FEET TO A NEW LOCATION.
PIONEER VIII 8	13 DEC 1967	HELIOCENTRIC ORBIT AROUND THE SUN. CONTINUING PARTICLE AND FIELDS STUDY.
SURVEYOR VII 7	7 JAN 1968	LUNAR SOFT LANDING ON TYCHO EJECTOR BLANKET. LAST SURVEYOR.

SPACECRAFT	LAUNCH DATE	COMMENTS
PIONEER IX 9.	8 NOV 1968	(Same as <u>Viii</u>)
MARINER M 6	25 FEB 1969	HELIOCENTRIC ORBIT AROUND SUN WITH MARS FLYBY ON 31 JULY 1969.
MARINER VII 7	27 MAR 1969	HELIOCENTRIC ORBIT AROUND SUN, WITH MARS BLY-BY ON 5 AUG 1969.
MARINER 9 - MARINER MARS 71	30 MAY 1971	ENTERED MARS ORBIT 13 NOV 1971 AND RETURNED PICTURES & SCIENTIFIC DATA. MISSION ENDED 27 OCT 1972.
PIONEER 10	3 MARCH 1972	INVESTIGATION OF INTER-PLANETARY MEDIUM, SOLAR ESCAPE TRAJECTORY. JUPITER ENCOUNTER. Dec 73
PIONEER 11	6 APRIL 1973	HELIOCENTRIC ORBIT. INVESTIGATION OF INTER-PLANETARY MEDIUM. JUPITER ENCOUNTER. SATURN ENCOUNTER. Dec 74 Sep-79
MARINER 10 MARINER-VENUS- MERCURY	3 NOV 1973	INVESTIGATIONS OF PLANETS VENUS AND MERCURY. Feb 74 April 74
HELIOS-1	10 DEC 1974	HELIOCENTRIC ORBIT. INVESTIGATION INTO SUN AND ENVIRONMENT IN CO-OPERATION WITH WEST GERMANY.
VIKING-1	20 AUG 1975	SOFT LANDING ON PLANET MARS FROM ORBITING SPACECRAFT. SUCCESSFUL LANDING ON 20 JULY 1976 WITH PICTURES AND SCIENTIFIC DATA.
VIKING-2	9 SEPT 1975	SECOND U.S. SOFT LANDING ON MARS ON 3 SEPT 1976.
LIOS-2	15 JAN 1976	HELIOCENTRIC ORBIT. INVESTIGATION INTO SUN AND ENVIRONMENT IN CO-OPERATION WITH WEST GERMANY.

SPACECRAFT

LAUNCH DATE

COMMENTS

VOYAGER-2

20 AUG 1977

SOLAR SYSTEM ESCAPE
TRAJECTORY - STUDY OF
PLANETS JUPITER AND
SATURN.JUPITER ENCOUNTER *MAR 79*
SATURN ENCOUNTER. *NOV 80*

VOYAGER-1

5 SEPT 1977

SOLAR SYSTEM ESCAPE
TRAJECTORY - STUDY OF
PLANETS JUPITER AND
SATURN.JUPITER ENCOUNTER *JULY 79*
SATURN ENCOUNTER. *AUG 81*
UNANN *JAN 76*

PIONEER 12

6 MAY 1978

VENUS ORBITER *DEC 78*

PIONEER-13

8 AUG 1978

VENUS PROBES. *DEC 78*