

DATA SET CATALOG # 76

MARINER 2 - - Ephemeris  
62-041A-00D I tape

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## **1. INTRODUCTION:**

The documentation for this data set was originally on paper, kept in NSSDC's Data Set Catalogs (DSCs). The paper documentation in the Data Set Catalogs have been made into digital images, and then collected into a single PDF file for each Data Set Catalog. The inventory information in these DSCs is current as of July 1, 2004. This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system. The information existing in the DSCs is now not needed for locating the data files, but we did not remove that inventory information.

The offline tape datasets have now been migrated from the original magnetic tape to Archival Information Packages (AIP's).

A prior restoration may have been done on data sets, if a requestor of this data set has questions; they should send an inquiry to the request office to see if additional information exists.

## 2. ERRATA/CHANGE LOG:

NOTE: Changes are made in a text box, and will show up that way when displayed on screen with a PDF reader.

*When printing, special settings may be required to make the text box appear on the printed output.*

Version	Date	Person	Page	Description of Change
01				
02				

3 LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC INFORMATION SYSTEM:

<http://nssdc.gsfc.nasa.gov/nmc/>

[NOTE: This link will take you to the main page of the NSSDC Master Catalog. There you will be able to perform searches to find additional information]

4. CATALOG MATERIALS:

- a. Associated Documents      To find associated documents you will need to know the document ID number and then click here.  
<http://nssdcftp.gsfc.nasa.gov/miscellaneous/documents/>

- b. Core Catalog Materials

MARINER 2  
MULTI COORD SYSTEM EPHEMERIS  
62-041A-00D

This data set has been restored. There was originally one 7-track, 800 BPI tape written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on an IBM 7094 computer and the restored tape was created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D number are as follows:

DR#	DS#	D#	FILES	TIME SPAN
-----	-----	-----	-----	-----
DR005840	DS005840	D001537	1 - 2	08/27/62 - 01/04/63

62-041A-~~000~~ 00D  
MARINER 2  
Orbital Mechanics *Spencer*

800 BPI, Binary, 7-track, 2 files, IBM 7094

<u>DP</u>	<u>CS</u>	<u>START</u>	<u>STOP</u>
D-01537	C-01053	08/27/62	01/04/63

62-0411-004

62-0411-~~000~~00D

MEMORANDUM FOR DIRECTOR  
STATEMENT OF WORKS No. 515

### CELESTIAL MECH

The primary objective of this project is to determine the trajectory  
of the spacecraft from the time of launch (Sept. 4, 1968, 07:00, 174, 30,000  
ft) to the time of the end of the mission (Oct. 4, 1968, 01:00, 174, 30,000  
ft). The trajectory is to be determined by using the data from the  
telemetry and tracking stations. The data from the telemetry stations  
will be used to determine the position and velocity of the spacecraft  
at the time of the end of the mission. The data from the tracking  
stations will be used to determine the position and velocity of the  
spacecraft at the time of the end of the mission.

The secondary objective of this project is to determine the  
position and velocity of the spacecraft at the time of the end of the  
mission. The position and velocity of the spacecraft at the time of the  
end of the mission will be determined by using the data from the  
telemetry and tracking stations. The data from the telemetry stations  
will be used to determine the position and velocity of the spacecraft  
at the time of the end of the mission. The data from the tracking  
stations will be used to determine the position and velocity of the  
spacecraft at the time of the end of the mission.

The tertiary objective of this project is to determine the  
position and velocity of the spacecraft at the time of the end of the  
mission. The position and velocity of the spacecraft at the time of the  
end of the mission will be determined by using the data from the  
telemetry and tracking stations. The data from the telemetry stations  
will be used to determine the position and velocity of the spacecraft  
at the time of the end of the mission. The data from the tracking  
stations will be used to determine the position and velocity of the  
spacecraft at the time of the end of the mission.

The contents of the report will be given in the attached form. In  
addition, information on the mission will be included which are  
contained in the following reports: (1) Mission Report, (2) Mission  
Report, (3) Mission Report, and (4) Mission Report.



July 26, 1968

Distribution

On pages 11 and 12 are the listings of the 89 variables according to their table. To the right of the 89's are the integer and real number symbol used, the relative position in the set, the description of each quantity, and the address used by IBM/360 to address each of these items are listed on pages 13 and 14.

On pages 15 and 16, explicit references to IBM/360 are descriptions of the contents of each variable. Page 17 shows the 5 variable names, and page 18 shows the 36 names that IBM/360 uses to get variable variables.

File

References

- 1. IBM/360 (3)
- 2. ...
- 3. ...
- 4. ...