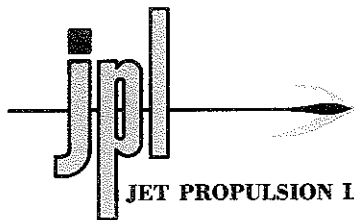


72-012A-09B



**JET PROPULSION LABORATORY** California Institute of Technology • 4800 Oak Grove Drive, Pasadena, California 91103

28 September 1982

Mr. Ralph Post  
National Space Science Data Center  
Code 601.1  
NASA - Goddard Space Flight Center  
Greenbelt, MD 20771

Dear Mr. Post:

This letter is to notify you that I have mailed a magnetic tape containing Pioneer 10 Doppler tracking data to you at the National Space Science Data Center (NSSDC). These data, which cover the period 13 November - 9 December 1981, were taken during solar opposition for the Pioneer 10 Celestial Mechanics Experiment (Dr. J. D. Anderson, JPL, principal investigator). They represent the data record for a gravitational radiation search during the 1981 opportunity. The tape you will receive (tape A2403) was written at JPL on a UNIVAC 1100/81 computer in the standard 9 track, 6250 BPI mode. Please send a replacement tape to me at the address given above.

The tape A2403 has eleven (11) files of tracking data (see Table 1). These files were created by E. L. Lau of JPL by stripping the respective IDR tapes and writing directly onto the file using the subroutine PUTREC (see JPL publication 1843-1: LIB\*CLIB\$, Special Feature Subroutine Library). Each data point consists of five double precision words: time in seconds past January 1, 1950, 0<sup>h</sup>; station number; tracking mode; Doppler cyclecount; and pseudo-residuals. These data are written in 36-sector blocks of 100 points each (500 double precision words and 4 null DP words at the end),

Please instruct any potential users of the data to contact me if any questions arise concerning its use.

Sincerely yours,

James M. Rotenberry  
Engineer III  
Solar System Dynamics Group  
(213) 354-3885

JMR:nc

cc: J. D. Anderson  
E. L. Lau  
C. Leidich (ARC, 5 copies)

W. L. Sjogren  
J. Weber (U. of Maryland)