

JPL Bibliography 39-31

# Publications of the Jet Propulsion Laboratory 1989

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## Foreword

JPL Bibliography 39-31 describes and indexes by primary author the externally distributed technical reporting, released during calendar year 1989, that resulted from scientific and engineering work performed, or managed, by the Jet Propulsion Laboratory. Three classes of publications are included:

- (1) JPL Publications (87-, 88-, 89-series, etc.), in which the information is complete for a specific accomplishment. Publications can be tailored to wide or limited audiences and be presented in an established standard format or special format to meet unique requirements.
- (2) Articles from the quarterly *Telecommunications and Data Acquisition (TDA) Progress Report* (42-series). Each collection of articles in this class of publication presents a periodic survey of current accomplishments by the Deep Space Network as well as other developments in Earth-based radio technology.
- (3) Articles published in the open literature.

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