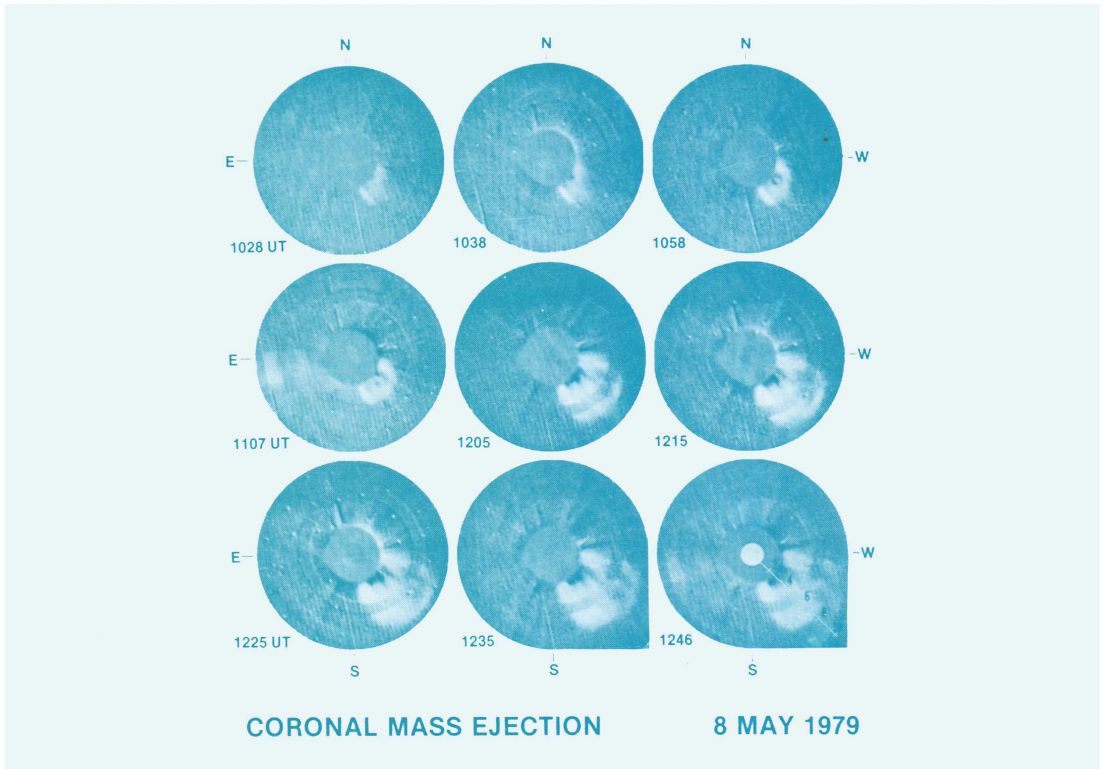


INTERNATIONAL ASTRONOMICAL UNION

SYMPOSIUM No. 91

SOLAR AND INTERPLANETARY DYNAMICS

Edited by MURRAY DRYER and EINAR TANDBERG-HANSEN



INTERNATIONAL ASTRONOMICAL UNION

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SOLAR AND INTERPLANETARY DYNAMICS

SYMPOSIUM No. 91

This volume is a compilation of invited review and contributed papers on the study of solar activity and travelling interplanetary phenomena. These papers span the entire range of multi-disciplinary studies of the origin of solar flares and of transient mass flows which propagate through the corona and interdisciplinary medium. They also represent the current assessment of theoretical analyses, computer simulation, and ground based as well as spaceborne remote and in situ measurements of these phenomena. The topics include solar phenomena as the source of transient events propagating through the solar system, and theoretical and observational assessments of the dynamic processes involved as these transients propagate through the corona and interplanetary medium. The subjects covered are solar physics, solar radio astronomy, interplanetary scintillation measurements, direct spacecraft observations from Skylab, Pioneer 10, Pioneer 11, Helios 1 and Helios 2, solar particle propagation in the interplanetary medium, and shock-particle interactions.

Audience

The volume will interest those scientists working in solar physics, plasma physics, cosmic ray physics, space physics, interplanetary physics, optical astronomy, and radio astronomy.

(Cover picture: Solar mass ejection of 8 May 1979 as recorded by the U.S. Naval Research Laboratory coronagraph. The last frame shows the size of the solar disk and a distance scale in solar radii. See paper by Michels, Howard, Koomen, Sheeley, and Rompolt.)

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