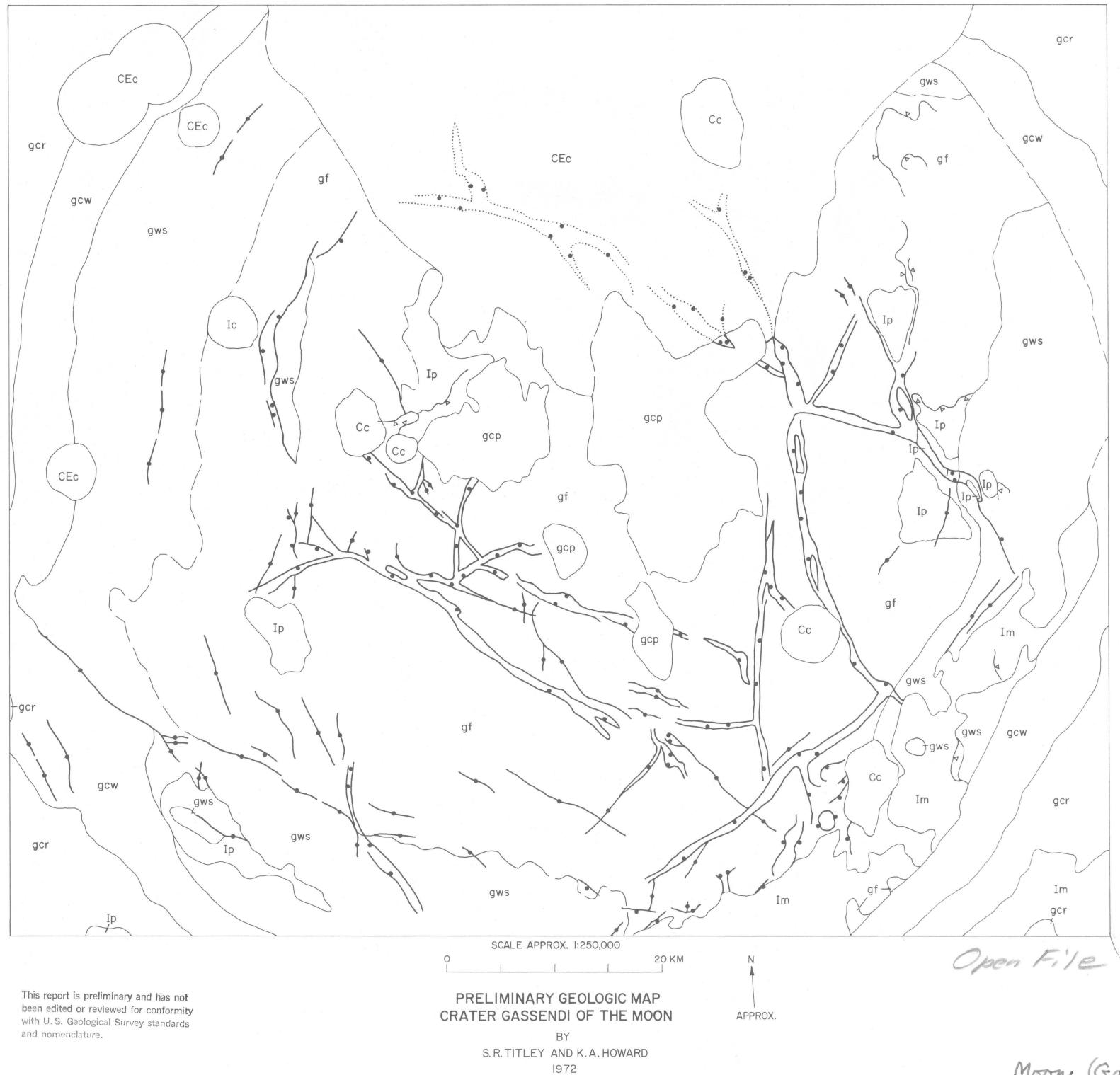
PREPARED IN COOPERATION WITH THE
MANNED SPACECRAFT CENTER
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
UNDER CONTRACT NO. T-94142



EXPLANATION

PRELIMINARY GEOLOGIC MAP CRATER GASSENDI OF THE MOON

by S. R. Titley and K. A. Howard

Cc Crater materials CEC Crater materials

Ic

Crater materials

Im Mare material

Ip
Plains material

Forms light plains, commonly with lobate scarps. Locally may be younger than CE crater Gassendi A.

Interpreted as lava flows.

gcr gf gws gew gcp

Materials of Gassendi crater

gcr, rim material. Interpreted as impact

gf, floor material. Hummocky to smooth, locally very smooth. Interpreted as mainly original crater-floor suevite and breccia, locally smoothed by a thin mantle of mass-wasting debris and possibly volcanics.

gws, wall slumps. Forms concentric ridges and hogbacks inside wall of crater, Interpreted as slumps off wall, possibly modified by isostatic rise at the crater floor.

gcw, wall material. Forms steep inwardfacing scarp. Interpreted as mainly uplifted and truncated pre-Gassendi rocks,
capped by Gassendi ejecta
gcp, central peak material. Forms central
mountains. Interpreted as complex of
pre-Gassendi rocks uplifted from beneath

Contact

Interpreted fault; bar and ball on downthrown side; ball centered on narrow graben; dotted where

Scarp, barb on upper side concealed

the crater floor

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Moon (Gassendi Crater). geol. 1:250,000. 1972.