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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 253

JOINT USAF/NASA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0200Z 09 SEPTEMBER 1980

IA. AFTER THE THREE CLASS M EVENTS YESTERDAY, THE SOLAR ACTIVITY
QUICKLY RETURNED TO A LOW LEVEL. TODAY'S LARGEST X-RAY EVENT WAS
PROTRACTED. THE FLUX BEGAN TO RISE AT 1831Z, AND AFTER SEVERAL
MAXIMA, ATTAINED A C7 AT 1949Z. DURING THIS PERIOD, A 1F
PARALLEL RIBBON IMPACT FLARE WAS OBSERVED IN PROGRESS AT 1839Z
IN AN UNSPOTTED REGION AT S24E11. ALSO, AT 1859Z A SN AND EPL WERE
REPORTED AT SW07 ASSOCIATED WITH DEPARTED REGION 2645. APPARENTLY
YESTERDAY'S INSTABILITY IN REGION 2665 (N13E59) HAS DISSIPATED.
MARSHALL'S REGIONAL MAGNETOGRAM FOR THIS REGION DOES NOT SHOW
ANY MAGNETIC COMPLEXITY. WEATHER HAS HAMPERED OPTICAL OBSERVATIONS
TODAY.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW WITHOUT NEW DEVELOPMENT
OCCURRING TO THE DISK REGIONS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED AND IS EXPECTED TO
REMAIN UNSETLED THROUGH THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 10 SEPTEMBER - 12 SEPTEMBER

CLASS M 30/30/30

CLASS X 01/01/01

PROMPT 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OB SERVED 09 SEPTEMBER 187

PREDICTED 10-12 SEPTEMBER 181/177/173

V. GEOMAGNETIC INDICES

OB SERVED FREDERICKSBURG 08 SEPTEMBER 08

ESTIMATED AFR/AP 09 SEPTEMBER 11/12

PREDICTED AFR/AP 10-12 SEPTEMBER 10/10 - 07/10 - 12/10

SOLTERWARN

BT