

MFUS 1 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 256

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 13 SEPTEMBER 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1286 (N17E14) HAD A C1/SN
FLARE AT 0306Z. REGION 1287 (N37E50) HAD A SUBFLARE AT 1940Z.
NEW REGION 1294 (N33E65) IS A C-TYPE GROUP AND HAD A C3/IN FLARE
AT 1815Z (MAX), A C2/IN FLARE AT 1958Z (MAX), AND A C3/SN FLARE
AT 2106Z (MAX). NEW REGION 1295 (S29E70) IS A D-TYPE GROUP AND HAD
A SUBFLARE AT 1810Z. NEW REGION 1293 (N20E43) IS A B-TYPE GROUP.
THE REST OF THE DISK/LIMB IS LITTLE CHANGED.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW. THE GROUP OF REGIONS COMING
OVER THE NE LIMB, ESPECIALLY 1294, SHOW THE HIGHEST FLARE
PROBABILITIES.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. CONDITIONS SHOULD BE
UNSETTLED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 14 SEPTEMBER - 16 SEPTEMBER

CLASS M	20/25/30
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	13 SEPTEMBER	136
PREDICTED	14-16 SEPTEMBER	138/141/143
90-DAY MEAN	13 SEPTEMBER	136

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	12 SEPTEMBER	13
ESTIMATED AFR/AP	13 SEPTEMBER	06/09
PREDICTED AFR/AP	14-16 SEPTEMBER	11/11 - 09/09 - 08/08

SOLTERWARN

BT

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ISSUED 2200Z 13 SEPTEMBER 1979

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE FOR THE PAST 24 HOURS.
REGION 1982 (N08W02) PRODUCED TWO M1-CLASS X-RAY FLARES: (1) OPTICAL
SB, MAX TIME 1313Z, AND (2) OPTICAL SB, MAX TIME 2108Z. SMALLER
SUBFLARES WERE REPORTED FROM REGIONS 1980 (N16W40), 1981 (N27E26),
1985 (S26E75) AND 1982. REGION 1982 HAS DEVELOPED INTO A BETA-
GAMMA-DELTA MAGNETIC CONFIGURATION AND HAS INCREASED IN SPOT NUMBER
AND AREA. FOUR SMALL NEW REGIONS WERE REPORTED TODAY, BUT ALL WERE
SIMPLE AND QUIET.

IB. SOLAR ACTIVITY SHOULD BE MODERATE TOMORROW. REGION 1982 AND,
TO A LESSER EXTENT, REGION 1980 BOTH OFFER HIGH POTENTIAL FOR AN
M-CLASS EVENT.

II. THE GEOMAGNETIC FIELD WAS QUIET TODAY BUT SHOULD INCREASE TO
UNSETTLED DUE TO A SOLAR CORONAL HOLE PASSAGE.

III. EVENT PROBABILITIES 14 SEPT - 16 SEPT

CLASS M 90/90/90

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 SEPT 184

PREDICTED 14 - 16 SEPT 186/188/192

90-DAY MEAN 13 SEPT 169

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 SEPT 05

ESTIMATED AFR/AP 13 SEPT 06/09

PREDICTED AFR/AP 14 - 16 SEPT 10/15 10/15 10/20

SOLTERWAR N

BT