

HFUS 1 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 255

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 12 SEPTEMBER 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. NEW REGION 1290 (N17W20) IS A
B-TYPE GROUP, NEW REGION 1291 (S23E13) IS A C-TYPE GROUP, NEW
REGION 1292 (N34E82) HAS COME UP BEHIND REGION 1289 AND IS AN
H-TYPE GROUP. THE REST OF THE DISK/LIMB IS LITTLE CHANGED.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. CONDITIONS SHOULD
BE UNSETTLED FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 13 SEPTEMBER - 15 SEPTEMBER

CLASS M 20/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 SEPTEMBER 137

PREDICTED 13-15 SEPTEMBER 131/129/129

90-DAY MEAN 12 SEPTEMBER 136

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 SEPTEMBER 13

ESTIMATED AFR/AP 12 SEPTEMBER 12/14

PREDICTED AFR/AP 13-15 SEPTEMBER 08/10 - 11/10 - 09/07

SOLTERWARN

BT

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SDF NUMBER 255

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 12 SEPTEMBER 1979

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS. XRAY CLASS
C SUBFLARES WERE OBSERVED FROM REGION 1972 (N13W35) AND 1966
(S19W86). NUMEROUS SMALLER SUBFLARES WERE REPORTED FROM 1977
(S25W59), 1980 (N16W27), AND 1982 (N08E13). REGIONS 1982, 1979
(N13E10), AND 1983 (N18E15) COMPRISE A MAGNETICALLY AND STRUCTURALLY
COMPLEX AREA WHICH INTENSIFIED DURING THE DAY. TWO NEW B-TYPE
GROUPS WERE NUMBERED TODAY, 1986 (N21E64) AND 1987 (N13W12).

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE FOR THE NEXT THREE
DAYS OWING PRINCIPALLY TO THE FLARE POTENTIAL IN THE COMPLEX
CONTAINING REGION 1982.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS.
THE FIELD IS EXPECTED TO REMAIN QUIET EXCEPT FOR THE POSSIBLE
UNSETTLING EFFECT OF A SOUTHERN CORONAL HOLE ON THE SECOND DAY
OF THE FORECAST.

III. EVENT PROBABILITIES 13 SEPTEMBER - 15 SEPTEMBER

CLASS M 80/80/80

CLASS X 10/15/15

PROTON 05/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 SEPT 179

PREDICTED 13 - 15 SEPT 180/180/184

90-DAY MEAN 12 SEPT 168

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 SEPT 14

ESTIMATED AFR/AP 12 SEPT 05/08

PREDICTED AFR/AP 13 - 15 SEPT 05/12 10/15 05/15

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