

HFUS 3 BOU 281400

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 302A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1200UT 28 OCT 1980

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE LAST 24 HOURS. THERE HAVE BEEN ABOUT A DOZEN C-CLASS FLARES, PRODUCED BY SEVERAL DIFFERENT REGIONS. REGION 2744 (S19W73) HAS CONTINUED ITS PATTERN OF THE LAST FEW DAYS; GOOD SPOT AREA (500 MILLION HS), SEVERAL BRIGHT POINTS AND MINOR FLARES, BUT NO MAJOR EVENTS. FOUR NEW REGIONS, THREE OF THEM IN THE NORTHEAST, WERE NUMBERED ON 27 OCT.

IB. SOLAR ACTIVITY IS FORECAST TO REMAIN AT LOW LEVELS. REGIONS WHICH MIGHT PRODUCE AN M-CLASS EVENT INCLUDE 2744 AND 2761 K (S04E10).

II. THE GEOMAGNETIC ACTIVITY HAS BEEN QUIET AND THE GEOMAGNETIC FIELD APPEARS TO WANT TO REMAIN QUIET NO MATTER WHAT THE SUN DOES. IT IS FORECAST TO REMAIN QUIET DURING THE NEXT 272 HOURS.

III. EVENT PROBABILITIES: 29-31 OCT

CLASS M 30/30/30

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 27 OCT 180

ESTIMATED 28 OCT 178

PREDICTED 29-31 OCT 176/175/175

90 DAY MEAN 27 OCT 184

V. GEOMAGNETIC INDICES

OBSERVED AFR 26 OCT 12 AP 27 OCT 04

ESTIMATED AFR 27 OCT 02 AFR/AP 28 OCT 03/05

PREDICTED AFR/AP 29-31 OCT 07/10 07/08 07/10

SOLAR WAR N

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HFUS 1 BOU 282200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 302 B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200UT 28 OCTOBER 1980

I A. SOLAR ACTIVITY REMAINS LOW. NUMEROUS SUBFLARES AND LOW LEVEL CLASS C X-RAY BURSTS HAVE OCCURRED DURING THE PAST 24 HOURS. THE LARGEST X-RAY EVENT, A C6 AT 0309Z, WAS ASSOCIATED WITH SURGING WHERE REGION 2751 ROTATED BEYOND WEST LIMB.

B. DESPITE THE EMERGENCE OF NUMEROUS SPOTTED GROUPS DURING THE PAST 48 HOURS, SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. QUIET FIELD CONDITIONS ARE EXPECTED TO PREVAIL THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES: 29-31 OCT

CLASS M 30/30/30

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 28 OCT 177

PREDICTED 29-31 OCT 176/175/175

90 DAY MEAN 28 OCT 185

V. GEOMAGNETIC INDICES

OBSERVED AFR/AP 27 OCT 02/04

ESTIMATED AFR/AP 28 OCT 01/03

PREDICTED AFR/AP 29-31 OCT 07/10 07/08 07/10

SOLARERWARN

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