

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 MILLIONTHS), 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. 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 A 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	

SOLTERWARN

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HFUS 1 BDU 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

IA. 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.

IB. 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 A 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

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