

HFUS 3/BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 105F

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0200UT 15 APRIL 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM

15/1200UT TO 15/2200UT:

SOLAR ACTIVITY HAS BEEN MODERATE DURING THIS PERIOD. A M1/SN FROM REGION 3027 (N20W80) AT 15/1521UT. REGION 3027 HAS ALSO PRODUCED 5 C-CLASS EVENTS THIS PERIOD. NEW REGION TODAY 3052 (N13E04) A D TYPE GROUP. REGION 3049 (N13E62) IS REVERSED POLARITY.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO BE MODERATE. REGION 3035 (N14W20) IS CAPABLE OF PRODUCING AN ISOLATED X-CLASS EVENT.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT OR NEAR ACTIVE CONDITIONS DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES: 16 - 18 APRIL

CLASS M 95/95/95

CLASS X 30/20/20

PROTON 30/20/20

PCAF YELLOW

IV. OTTAWA 10.7 FLUX

OBSERVED 15 APR 257

PREDICTED 16-18 APR 250/250/250

90 DAY MEAN 15 APR 207

V. GEOMAGNETIC A INDICES

OBSERVED APR/APR 14 APR 24/28

ESTIMATED APR/APR 15 APR 11/10

PREDICTED APR/APR 16-18 APR 20/15 15/25 15/18

SOLTERWARN

BT