

HFUS 1 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 076

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 16 MARCH 1980

IA. SOLAR ACTIVITY HAS BEEN LOW. WEATHER HAS HAMPERED OPTICAL OBSERVATIONS. A 2F FLARE OCCURRED IN SPOTLESS REGION 2328 (S28W38) AT 15/2300Z. A LARGE DISTENDED FILAMENT AT S48W20 - AN EXTENDED PORTION OF THE NEUTRAL LINE PASSING THROUGH REGION 2328 - WAS ACTIVE DURING THIS TIME. THIS FILAMENT STRUCTURE FINALLY DISAPPEARED BY 16/0500Z. NO OPTICAL FLARES HAVE BEEN REPORTED AND THE ONLY X-RAY BURST WAS A C2 AT 0618Z. ALL DISK REGIONS ARE SIMPLE IN MAGNETIC STRUCTURE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. THE SMM SATELLITE OBSERVED A TRANSIENT AT SE25 BETWEEN 17-19Z ON THE 15TH. THIS IS WHERE OLD REGION 2309 IS DUE BACK WITHIN THE NEXT 12 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE FIELD IS EXPECTED TO BECOME UNSETTLED WITHIN THE NEXT 24 HOURS, IN RESPONSE TO A SECTOR BOUNDARY, AND REMAIN UNSETTLED THROUGH 19 MARCH.

III. EVENT PROBABILITIES 17 - 19 MARCH

CLASS M 05/05/05

CLASS X 01/01/01

PREDICTON 01/01/01

PCAF KELLY GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 MAR 139

PREDICTED 17 - 19 MAR 140/141/144

90-DAY MEAN 16 MAR 193

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 15 MAR 01

ESTIMATED AFR/AP 15 MAR 04/06

PREDICTED AFR/AP 17 - 19 MAR 08/10 10/12 10/12

SOLTERWARN

BT