

HFUS 1 BDU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 083

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 23 MARCH 1980

1A. SOLAR ACTIVITY HAS BEEN GENERALLY LOW DURING THE PAST 24 HOURS. DESPITE SOMETIMES POOR GROUND COVERAGE DUE TO WEATHER IT IS APPARENT THAT REGION 2339 (S27W57) IS ALMOST SOLELY RESPONSIBLE FOR THE HALF DOZEN OR SO C-CLASS X-RAY EVENTS NOTED THIS UT DAY. THE STRONGEST OF THESE WAS A C7 (1B OPTICALLY) WITH MAXIMUM AT 23/1701 UT. THIS EVENT WAS ACCCOMPANIED BY STRONG SHORT-WAVE FADES TO 12 MHZ BUT ONLY MINOR CENTIMETRIC RADIO BURSTS. TWO NEW SMALL REGIONS HAVE APPEARED IN THE NORTHEAST, 2357 (N39E64) AND 2358 (N24 E74).

1B. SOLAR ACTIVITY IS EXPECTED TO REMAIN GENERALLY LOW. REGION 2339 DOES NOT SEEM TO BE GROWING OR INCREASING IN COMPLEXITY SO IT IS INCREASINGLY UNLIKELY THAT IT WILL PRODUCE MORE THAN MODERATELY ENERGETIC FLARES SUCH AS THE C7 AT 1701 UT TODAY.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY UNSETLED TO QUIET DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE QUIET TO MILDLY UNSETLED FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 24 - 26 MARCH 1980

CLASS M 20/25/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 MAR 173

PREDICTED 24 - 26 MAR 174/176/176

90-DAY MEAN 23 MAR 191

V. GEOMAGNETIC A INDEX

OBSERVED FREDERICKSBURG 22 MAR 14

PREDICTED AFR/AP 23 MAR 07/08

PREDICTED AFR/AP 24 - 26 MAR 07/10 07/08 09/10

SOLAR WARN

BT