

HFUS 1 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 064

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 04 MARCH 1980

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS.

OPTICAL COVERAGE OF THE SUN HAS BEEN POOR DUE TO WEATHER AND, IN FACT, OPTICAL REPORTS HAVE BEEN ASSOCIATED WITH ONLY ONE OF THE FOURTEEN C-CLASS FLARES NOTED BY SATELLITE SENSORS DURING THAT PERIOD. THAT FLARE, A C4/1F WAS OBSERVED IN REGION 2294 (S25W46) WITH A MAXIMUM AT 04/0348Z. A MAGNETOGRAM OBTAINED FROM KITT PEAK INDICATES MAGNETIC STRENGTH AND COMPLEXITY IN REGION 2316 (S12E47) AND THIS MAY BE THE SOURCE OF MANY OF THE BURSTS OBSERVED.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE GENERALLY LOW.

MORE EXTENSIVE ANALYSIS MUST AWAIT BETTER OBSERVATIONS.

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

III. EVENT PROBABILITIES 05-07 MAR

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 MAR 180

PREDICTED 05-07 MAR 178/180/180

SD-DAY MEAN 04 MAR 204

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 MAR 05

ESTIMATED AFR/AP 04 MAR 08/10

PREDICTED AFR/AP 05-07 MAR 10/12 - 10/12 - 08/10

SOLTERWARN

BT