

HFUS 1 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 092

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 01 APRIL 1980

IA. SOLAR ACTIVITY HAS CONTINUED AT LOW LEVELS DURING THE PAST
24 HOURS. ONLY SMALL C-CLASS EVENTS WERE RECORDED TODAY. THE
LARGEST A C2/SN FROM REGION 2363 (N26W04) AT 1526 UT, MINOR
RADIO WAS ALSO REPORTED, THE EVENT WAS ASSOCIATED WITH A DIS-
APPEARING FILAMENT JUST TO THE NORTH OF THE MAIN SPOT GROUP.
ALTHOUGH REGION 2363 MAINTAINS A DELTA IN THE TRAILER PORTION,
THE MAGNETIC GRADIENT APPEARS TO HAVE DECREASED. THE COMPLEX
2360/2357 HAS ALSO RELAXED MAGNETICALLY.

IB. SOLAR ACTIVITY SHOULD BE AT LOW LEVELS DURING THE FORE-
CAST PERIOD. THE CHANCE FOR M-CLASS ACTIVITY IS DECREASING AS
ALL REGIONS ARE STABLE OR DECLINING.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 24 HOURS.
WITH A SECTOR BOUNDARY IN A FAVORABLE POSITION TO EFFECT THE
GEOMAGNETIC FIELD NEAR THE END OF THE FORECAST PERIOD, THE
FIELD SHOULD BE NEAR ACTIVE CONDITIONS IN 18 HOURS.

III. EVENT PROBABILITIES 02 - 04 APRIL

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 APRIL 182

PREDICTED 02 - 04 APRIL 177/171/166

90-DAY MEAN 01 APRIL 193

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 MARCH 24

ESTIMATED AFR/AP 01 APRIL 06/08

PREDICTED AFR/AP 02 - 04 APRIL 12/16 08/10 08/08

SOLTERWARN

BT