

HFUS. 1 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SD F 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 (N20W24) AT 1526 UT, MINOR RADIO WAS ALSO REPORTED. THE EVENT WAS ASSOCIATED WITH A DISAPPEARING 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 FORECAST 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 OR 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

PROMPT 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