

HFUS-1 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO  
SDF NUMBER 293

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 03 APRIL 1979

IA. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 1661 (S25W20) HAS HAD AN M4/IN AT 0109 U.T., AN M4/SN AT 0417 U.T., AND AN M1/AT 1152 U.T. WITH 10.7 CM BURSTS OF 4.60 F.U., 800 F.U. AND 180 F.U. RESPECTIVELY. IT SHOWS SOME SIGNS OF DECAY BUT IT IS STILL AN F-GROUP WITH A GAMMA-DELTA CONFIGURATION. REGION 1665 (S17W01) AND A 1 IN FLARE AT 1950 U.T. IT IS A STABLE C-TYPE GROUP. NEW REGION 1675 (S31W22) IS A B-TYPE GROUP AND NEW REGION 1676 (N13E05) IS A B-TYPE GROUP.

IB. SOLAR ACTIVITY SHOULD REMAIN MODERATE WITH THE POSSIBILITY OF AN ISOLATED X-EVENT DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED UNTIL 15 U.T. WHEN IT REACHED ACTIVE TO MINOR STORM LEVELS. CONDITIONS SHOULD BE SLIGHTLY ACTIVE FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 04 APRIL - 06 APRIL

CLASS M 85/85/85

CLASS X 30/30/30

PROTON 30/30/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 APRIL 199

PREDICTED 04-06 APRIL 196/194/192

90-DAY MEAN 03 APRIL 199

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 02 APRIL 21

ESTIMATED AFR/AP 03 APRIL 18/34

PREDICTED AFR/AP 04-06 APRIL 15/29 16/25 15/22

SOLTERWARM

BT

HFUS 1 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 104

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 3 APRIL 1979

IA. SOLAR ACTIVITY HAS BEEN MODERATE FOR THE PAST 24 HOURS. THE LARGEST EVENTS WERE AN M2/1B MAXING AT 2228 UT ON 12 APRIL FROM REGION 2377 (S08E03) FOLLOWED BY AN M1/2B MAXING AT 2254 UT FROM REGION 2390 (S18E34). MINOR RADIO BURSTS ACCOMPANIED THESE FLARES. A THIRD M-LEVEL EVENT, M 1/1F FROM REGION 2372 (N12W86), MAXED AT 0409 UT ON 13 APRIL. SEVERAL C-LEVEL SUBFLARES HAVE OCCURRED ALTERNATELY FROM REGIONS 2389 (N19E35) AND NEW REGION 2391 (N14E41). REGION 2391 GREW QUICKLY TODAY AND IS NOW A D-TYPE GROUP WITH A POSSIBLE DELTA MAGNETIC CONFIGURATION. DELTAS REMAIN IN 2377 AND 2375 (S30E02) ALTHOUGH THE LATTER IS WEAKENING. OTHER REGIONS REMAINED MOSTLY STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE THROUGHOUT THE FORECAST PERIOD. THE MOST FAVORABLE REGIONS FOR ENERGETIC ACTIVITY ARE 2377 AND 2375.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED FOR THE PAST 24 HOURS. THE FIELD IS EXPECTED TO REMAIN MOSTLY UNSETLED, DECREASING TOWARD QUIET. MAJOR FLARE ACTIVITY COULD REVISE THIS FORECAST.

III. EVENT PROBABILITIES 14 APRIL - 16 APRIL

CLASS M 90/90/90

CLASS X 20/15/10

PREDICTON 20/15/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 APRIL 231

PREDICTED 14 - 16 APRIL 225/225/225

90-DAY MEAN 13 APRIL 191

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 APRIL 25

ESTIMATED AFR/AP 13 APRIL 16/17

PREDICTED AFR/AP 14 - 16 APRIL 12/15 10/10 10/10

SOLTERWARN

BT