

HFUS3 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 121

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 01 MAY 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100  
TO 01/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4647  
(N05W77) HAS DECLINED IN ALL PARAMETERS WHILE PRODUCING  
SUBFLARES AT A RATE OF ROUGHLY 1 EVERY 4 HOURS. THE LARGEST  
FLARE OBSERVED THERE WAS A C-2/SUB-BRIGHT WITH MAXIMUM AT  
1434UT. MODEST RADIO BURSTS ACCOMPANIED THE EVENT. SURGING  
HAS BEEN REPORTED AT EAST LIMB NEAR N03. THE REMAINDER OF THE  
DISK AND LIMBS HAS BEEN QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY WILL REMAIN VERY  
LOW. EXPECT SURGING AT WEST LIMB NEAR N05 AS REGION 4647 MAKES  
ITS PASSAGE. MORE ENERGETIC ACTIVITY FROM IT IS UNLIKELY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 01/2100Z:  
THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED THROUGHOUT THE PAST  
24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS  
EXPECTED TO BE AT UNSETTLED TO QUIET LEVELS FOR THE NEXT 72  
HOURS.

III. EVENT PROBABILITIES 02 MAY-04 MAY

CLASS M 20/20/05

CLASS X 10/10/05

PROTON 05/05/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 MAY 081

PREDICTED 02 MAY-04 MAY 081/081/080

90 DAY MEAN 01 MAY 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 APR 024/029

ESTIMATED AFR/AP 01 MAY 012/014

PREDICTED AFR/AP 02 MAY-04 MAY 010/015-009/015-007/010

SOLTERWARN

BT