

HFUS3 BOU 172200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 076

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 MAR 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100
TO 17/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE LAST 24
HOURS. REGION 4633 (S12E32), WHICH PRODUCED A SUBFAINT FLARE AT
1129 UT, CONTINUED ITS GROWTH AND IS NOW A C-TYPE GROUP WITH AN
ASSOCIATED ACTIVE DARK FILAMENT. NO NEW REGIONS WERE NUMBERED
TODAY. ACTIVITY ON THE EAST LIMB INCLUDED A SURGE NEAR S08 AT
0435UT AND A PROMINENCE NEAR S42 WHICH WAS ACTIVE THROUGHOUT
THE DAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN VERY LOW. INCREASED GROWTH IN REGION 4633 IS EXPECTED TO
ENHANCE THE PROBABILITY OF FLARE ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED FOR
THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO PERSIST AT MOSTLY QUIET LEVELS FOR THE NEXT 3 DAYS.

III. EVENT PROBABILITIES 18 MAR-20 MAR

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 MAR 073

PREDICTED 18 MAR-20 MAR 074/074/074

30 DAY MEAN 17 MAR 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 MAR 009/013

ESTIMATED AFR/AP 17 MAR 007/008

PREDICTED AFR/AP 18 MAR-20 MAR 007/015-007/015-007/015

SOLTERWARN

BT