

HFUS3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 107

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 17 APR 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100
TO 17/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4645 (N10W84)
DECAYED TO A UNRECOGNIZABLE AREA WITHOUT SPOTS OR PLAGE AND WAS
REMOVED FROM THE ASSIGNED REGIONS REPORT LISTING. A FOUR DEGREE
LONG FILAMENT HAD DISAPPEARED FROM S23W01 BEFORE 16/1826Z. NO
NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
VERY LOW. NO RETURNING REGION PROVIDES SIGNIFICANT ACTIVITY
POTENTIAL.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z:
GEOMAGNETIC ACTIVITY WAS QUIET TO UNSETTLED. ACTIVE CONDITIONS
WERE REPORTED AT HIGH LATITUDES AFTER 17/1500Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS
EXPECTED TO BE UNSETTLED TO ACTIVE BOTH THROUGH OUT THE
FORECAST AND THE OUTLOOK PERIODS.

III. EVENT PROBABILITIES 18 APR-20 APR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 APR 070

PREDICTED 18 APR-20 APR 070/070/070

90 DAY MEAN 17 APR 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 APR 008/012

ESTIMATED AFR/AP 17 APR 007/010

PREDICTED AFR/AP 18 APR-20 APR 010/020-010/015-008/015

SOLTERWARN

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