

HFUS3 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 068

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 29 MAR 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 28/2100Z TO 29/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. THE ONLY SIGNIFICANT REGION IS 4637 (N06W17) WHICH HAS DECAYED TO A SIMPLE GROUP OF LEADER POLARITY SPOTS. A FILAMENT WHICH DISAPPEARED YESTERDAY FROM S41W20 REFORMED BEFORE 1400 UT TODAY. SCATTERED PLAGE ROTATED OVER THE EAST LIMB NEAR S26, BUT NO NEW REGIONS WERE NUMBERED TODAY. SURGING ON THE WEST LIMB (N50) WAS NOTED AT APPROXIMATELY 0915 UT.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 28/2100Z TO 29/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO PERSIST AT MOSTLY QUIET LEVELS FOR THE FIRST TWO DAYS OF THE FORECAST. ON 1 APRIL, THE RECURRENT EFFECTS OF A POSITIVE-POLARITY SOUTHERN CORONAL HOLE SHOULD BRING ACTIVE TO STORM LEVEL GEOMAGNETIC CONDITIONS.

III. EVENT PROBABILITIES 30 MAR-01 APR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 MAR 073

PREDICTED 30 MAR-01 APR 072/070/070

90 DAY MEAN 29 MAR 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 28 MAR 016/024

ESTIMATED AFR/AP 29 MAR 005/008

PREDICTED AFR/AP 30 MAR-01 APR 010/020-010/020-025/030

SOLTERWARN

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