

HFUS3 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 085

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 26 MAR 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100 TO 26/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4637 (N07E24)

--PRODUCED A B4/ON EVENT AT 25/2336Z WITH A FOUR DEGREE LONG DISAPPEARING FILAMENT AND A MINOR 245 MHZ RADIO NOISE STORM. IT INCREASED IN WHITE-LIGHT AREA AND SPOT NUMBER, BUT REMAINED CONSTANT IN LONGITUDINAL EXTENT AND DKO CLASSIFICATION. NO NEW REGION WAS ASSIGNED. A FIVE DEGREE LONG FILAMENT DISAPPEARED FROM S21W15 (REGION 4636 - S11W14) AT 26/1921Z.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z: GEOMAGNETIC ACTIVITY WAS UNSETTLED TO ACTIVE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE UNSETTLED TO ACTIVE. THE OUTLOOK IS FOR ACTIVE CONDITIONS FOR 30-31 MAR. THE RECURRENT MINOR STORM LEVELS FOR 1 AND POSSIBLY 2 APR ARE EXPECTED DUE TO THE RETURN OF AN EXTENSION OF THE SOUTH POLAR CORONAL HOLE CROWN'S HIGH-SPEED, LOW-DENSITY STREAM.

III. EVENT PROBABILITIES 27 MAR-29 MAR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 MAR 077

PREDICTED 27 MAR-29 MAR 077/077/076

90 DAY MEAN 26 MAR 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 MAR 004/009

ESTIMATED AFR/AP 26 MAR 010/015

PREDICTED AFR/AP 27 MAR-29 MAR 012/015-012/015-012/020

SOLTERWARN

BT