

HFUS3 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 148

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 28 MAY 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100 TO 28/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. THE DISK IS SPOTLESS. PLAGE REGION 4656 (XXXXYY) EXHIBITED WEAK SURGING. ACTIVE PROMINENCES WERE OBSERVED AT N12E90, S43W90, AND S29E90. THE LATTER WAS ASSOCIATED WITH AN 8 DEGREE LONG FILAMENT. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT THREE DAYS. NO REGIONS ON THE DISK ARE EXPECTED TO PRODUCE ANY SIGNIFICANT ACTIVITY. NO REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 29 MAY-31 MAY

CLASS M 05/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 MAY 071

PREDICTED 29 MAY-31 MAY 071/071/071

90 DAY MEAN 28 MAY 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 MAY 006/009

ESTIMATED AFR/AP 28 MAY 012/015

PREDICTED AFR/AP 29 MAY-31 MAY 018/025-012/020-010/015

SOLTERWARN

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