

HFUS3 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 147

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 27 MAY 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/2100Z TO 27/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4655(S07W91) HAS ROTATED OFF THE DISK AS AN HSX SPOT GROUP. REGIONS 4656(N07W71) AND 4657(N07W75) WERE AXX SPOT GROUPS. NONE OF THESE REGIONS PRODUCED ANY SIGNIFICANT ACTIVITY. POINT BRIGHTENINGS AT N09E90 AND AN ACTIVE PROMINENCE AT N09E90 COULD SIGNAL THE RETURN OF REGIONS 4649 AND 4650 RESPECTIVELY. OTHER PROMINENCES WERE OBSERVED AT N39E68, S20E90, AND S46W90. 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. RETURNING REGIONS 4649 AND 4650 ARE NOT EXPECTED TO PRODUCE ANY SIGNIFICANT ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 26/2100Z TO 27/2100Z: 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. ACTIVITY IS PREDICTED ON THE BASIS OF THE EXPECTED EFFECTS OF DISAPPEARING FILAMENTS AT S14W34 AND S05W40 ON 25 MAY.

III. EVENT PROBABILITIES 28 MAY-30 MAY

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 MAY 073

PREDICTED 28 MAY-30 MAY 073/074/074

90 DAY MEAN 27 MAY 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 MAY 010/012

ESTIMATED AFR/AP 27 MAY 010/012

PREDICTED AFR/AP 28 MAY-30 MAY 012/015-018/025-012/020

SOLTERWARN

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