

HFUS3 BOU 082200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 159

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 08 JUN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100 TO 08/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4659 (S08W02) PRODUCED A PARALLEL RIBBON FLARE AT 08/0024Z. IT WAS A C1/ON EVENT WITH A TYPE II RADIO SWEEP SPEED OF 3000 KM/S. ASSOCIATED TYPES IV, III, AND I ALSO ACCOMPANIED THE FLARE. THIS REGION REGENERATED ITSELF INTO A BXO (WHITE-LIGHT CLASSIFICATION) BETA-TYPE (MAGNETIC) AFTER THE FLARE. REGION 4663 (N01E50) ALSO PRODUCED A C1/ON EVENT AT 08/1441Z. THIS REGION LOST ITS TRAILER'S PENUMBRAE AND DEVELOPED TWO SEPARATE LEADER UMBRAE TO BECOME A CAO AND IT REMAINED A BETA-TYPE. REGION 4660 (S10E17) AND 4662 (S14E14) WERE RELATIVELY UNCHANGED AS THEY BOTH CONTINUED A SLIGHT DECAYING TREND. THESE TWO REGIONS WERE SLOWLY SEPARATING THEIR FORMERLY CONNECTED PLAGE AREAS. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. RETURNING REGIONS 4655 (S08, CAR-262) AND 4656 (N07, CAR-244) DO NOT PROVIDE SIGNIFICANT ACTIVITY POTENTIAL. THEY ARE EXPECTED AT 10/1600 AND 11/2400Z RESPECTIVELY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z: GEOMAGNETIC ACTIVITY WAS ACTIVE. ONE MINOR STORM LEVEL PERIOD AT 08/0600Z MARKED THE LAST MID LATITUDE EFFECT OF THE MINOR STORM THAT STARTED AT 6/0544Z AND ENDED AT 7/1200Z. HIGH LATITUDES CONTINUED MINOR STORM CONDITIONS FROM 08/0300-1200Z. THIS DISTURBANCE WAS PROBABLY DUE TO THE DISAPPEARING FILAMENTS OF 1-3 JUN.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE ACTIVE. STORM LEVELS ARE POSSIBLE DURING THE SECOND AND THIRD DAYS DUE TO THE PARALLEL RIBBON FLARE OF 8/0024Z.

III. EVENT PROBABILITIES 09 JUN-11 JUN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 JUN 086

PREDICTED 09 JUN-11 JUN 087/087/087

30 DAY MEAN 08 JUN 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 JUN 033/040

ESTIMATED AFR/AP 08 JUN 019/030

PREDICTED AFR/AP 09 JUN-11 JUN 015/020-018/020-020/015

SOLTERWARN

BT