

HFUS3 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 178

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 27 JUN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/2100 TO 27/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. NO SPOTS WERE OBSERVED ON THE SOLAR DISK TODAY. THE MOST SIGNIFICANT ACTIVITY TODAY HAS BEEN THE ACTIVE SURGING ON THE SE LIMB AT S10. A TYPE-II RADIO SWEEP WAS OBSERVED AT 27/1705Z WHICH COULD BE ATTRIBUTED TO THE SURGING IN THE SE. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW THROUGHOUT THE FORECAST PERIOD. NO RETURNING REGIONS ARE EXPECTED TO PRODUCE ANY SIGNIFICANT ACTIVITY AT THIS TIME.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 26/2100Z TO 27/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED TO ACTIVE THE PAST 24 HOURS. MINOR STORM LEVELS WERE OBSERVED AT ALL LATITUDES FROM 2100-2400Z. ISOLATED MAJOR STORM CONDITIONS WERE OBSERVED AT HIGH LATITUDES AT 2100Z. THE CAUSE OF THIS ACTIVITY IS UNKNOWN.

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

III. EVENT PROBABILITIES 28 JUN-30 JUN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 JUN 070

PREDICTED 28 JUN-30 JUN 072/073/074

90 DAY MEAN 27 JUN 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 JUN 018/027

ESTIMATED AFR/AP 27 JUN 014/018

PREDICTED AFR/AP 28 JUN-30 JUN 012/015-012/015-014/020

SOLTERWARN

BT