

HFUS3 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 179

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 27 JUN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/2100 TO 27/2100Z: SOLAR ACTIVITY HAS BEEN LOW. NO OPTICAL FLARES WERE REPORTED. THE ONLY EVENT WAS A C4 AT 1813Z (X-RAY MAX). NO FLARE WAS OBSERVED AT THIS TIME. AT 1824Z, BOULDER OBSERVED A SPRAY TYPE FEATURE NEAR NE20. AT THIS TIME, NO PORTION OF THE MATERIAL WAS IN EVENT EMISSION. MAUNA LOA OBSERVATORY REPORTED AN ERUPTIVE PROMINENCE AT POSITION ANGLE 070 DEGREES BETWEEN 1810-1850Z. ENHANCEMENT WAS SEEN MOVING THROUGH THE CORONA. REGION 4520 (S15W57) CONTINUES A SLOW DECAY. REGION 4524 (S13W38) HAS EMERGED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW; HOWEVER, THIS MAY INCREASE IF A NEW ACTIVE REGION ROTATES ON TO THE DISK DURING THE NEXT 24 HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 26/2100Z TO 27/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE AT MID LATITUDES. AURORAL OVAL STATIONS HAD STORM LEVELS BETWEEN 0000-0600Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO SLIGHTLY ACTIVE ON 28-29 JUNE WITH ACTIVE FIELD CONDITIONS EXPECTED ON 30 JUNE.

III. EVENT PROBABILITIES 28 JUN-30 JUN

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED ~ 27 JUN 098

PREDICTED 28 JUN-30 JUN 101/103/101

90 DAY MEAN 27 JUN 121

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 JUN 010/014

ESTIMATED AFR/AP 27 JUN 013/020

PREDICTED AFR/AP 28 JUN-30 JUN 010/015-012/015-015/020

SOLTERWARN

BT