

HFUS3 BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 171

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 20 JUN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 19/2100 TO 20/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. REGION 4667 (N12W32) HAS MANAGED TO RETAIN ITS SPOT GROUP BUT IT IS A SMALL, SIMPLE B TYPE GROUP THAT APPEARS TO BE FADING. NOTHING ELSE ON THE DISK HAS CHANGED AND THE LIMBS REMAIN QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY WILL BE AT A VERY LOW LEVEL DURING THE NEXT 24 HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 19/2100Z TO 20/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED. AT 201800UT A K OF 4 WAS OBSERVED WHICH BROKE THE TREND OF THE PAST SEVERAL DAYS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT UNSETTLED TO ACTIVE LEVELS FOR THE NEXT 48 HOURS AND THEN BE GENERALLY UNSETTLED. THE ACTIVE LEVELS ARE ATTRIBUTED TO FILAMENT DISRUPTIONS.

III. EVENT PROBABILITIES 21 JUN-23 JUN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 JUN 070

PREDICTED 21 JUN-23 JUN 070/070/071

90 DAY MEAN 20 JUN 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 19 JUN 003/008

ESTIMATED AFR/AP 20 JUN 009/015

PREDICTED AFR/AP 21 JUN-23 JUN 005/015-005/015-008/010

SOLTERWARN

BT