

HFUS3 BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 174

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 23 JUN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100 TO 23/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4667(N10W77) WAS AN AXX TYPE SPOT GROUP TODAY, BUT IS IN A STEADY DECLINE. REGION 4668(S14E18) WAS NUMBERED TODAY AS A CRO TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION. THE GROWTH OF THIS REGION HAS BEEN STEADY WITH ACCOMPANYING POINT BRIGHTENINGS, AN ARCH FILAMENT SYSTEM, THREE (3) DEGREE LONG DISAPPEARING FILAMENT (APPROXIMATELY 23/1000UT), AND A DARK SURGE ON THE DISK. AN ACTIVE PROMINENCE WAS REPORTED AT S30W90, AND A QUIESCENT PROMINENCE AT S40W90. NO OPTICAL OR X-RAY FLARES WERE OBSERVED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT 72 HOURS. NO REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 22/2100Z TO 23/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE FOR THE PAST 24 HOURS. ACTIVE CONDITIONS WERE REPORTED AT HIGH LATITUDES BEGINNING 23/0300UT. THE ACTIVITY PERSISTED IN ISOLATED PERIODS AT HIGH LATITUDES UNTIL APPROXIMATELY 23/1500UT. GENERALLY UNSETTLED LEVELS HAVE BEEN OBSERVED AT ALL LATITUDES FOR THE REMAINDER OF THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED FOR THE NEXT 24 HOURS. QUIET TO UNSETTLED CONDITIONS ARE THEN EXPECTED FOR THE SUBSEQUENT 48 HOURS.

III. EVENT PROBABILITIES 24 JUN-26 JUN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 JUN 070

PREDICTED 24 JUN-26 JUN 071/072/072

90 DAY MEAN 23 JUN 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 22 JUN 010/012

ESTIMATED AFR/AP 23 JUN 011/015

PREDICTED AFR/AP 24 JUN-26 JUN 008/010-005/010-005/010

SOLTERWARN

BT