

HFUS3 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 181

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 30 JUN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/2100 TO 30/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4670 (S07E56) IS STILL THE ONLY SPOTTED REGION ON THE DISK. IT IS CURRENTLY A CAO TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION. THIS REGION PRODUCED TWO OPTICAL SUBFLARES ALONG WITH A B-LEVEL X-RAY EVENT THIS PERIOD. IT CONTINUES TO EXHIBIT OCCASIONAL POINT BRIGHTENINGS. AN 8 DEGREE LONG FILAMENT DISAPPEARED AT 0246Z LOCATED AT S12W66 ASSOCIATED WITH REGION 4668. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 29/2100Z TO 30/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED THE PAST 24 HOURS. ACTIVE CONDITIONS WERE OBSERVED AT HIGH LATITUDES DURING THE NIGHTTIME SECTORS.

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

III. EVENT PROBABILITIES 01 JUL-03 JUL

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PLAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 JUN 072

PREDICTED 01 JUL-03 JUL 073/075/077

90 DAY MEAN 30 JUN 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 29 JUN 015/018

ESTIMATED AFR/AP 30 JUN 008/012

PREDICTED AFR/AP 01 JUL-03 JUL 010/015-010/015-010/015

SOLTERWARN

BT