

HFUS3 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 197

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 16 JUL 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100 TO 16/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4677(S14W69) WAS NUMBERED TODAY AS A C90 TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION. A WEAK ARCH FILAMENT SYSTEM AND POINT BRIGHTENINGS WERE ASSOCIATED WITH THE REGION. NO OTHER SPOTTED REGIONS WERE ON THE DISK. SURGING WAS REPORTED AT N05W90. A MILDLY ACTIVE PROMINENCE WAS OBSERVED AT S28E90. NO SIGNIFICANT FLARE ACTIVITY WAS OBSERVED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT 72 HOURS. REGION 4669(S08, CAR120) IS DUE TO RETURN 18 JULY BUT IS NOT EXPECTED TO PRODUCE ANY SIGNIFICANT ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT 72 HOURS. UNSETTLED CONDITIONS ARE PREDICTED FOR 17 AND 19 JULY. ACTIVE CONDITIONS ARE PREDICTED 18 JULY ON THE BASIS OF THE EXPECTED EFFECTS OF A CORONAL HOLE WHICH PASSED THE CENTRAL MERIDIAN 15 JULY.

III. EVENT PROBABILITIES 17 JUL-19 JUL

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 JUL 070

PREDICTED 17 JUL-19 JUL 070/071/071

90 DAY MEAN 16 JUL 080

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 15 JUL 008/015

ESTIMATED AFR/AP 16 JUL 005/015

PREDICTED AFR/AP 17 JUL-19 JUL 010/015-015/020-012/015

SOLTERWARN

BT