

HFUS3 BOU 032200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 185
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 03 JUL 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/2100 TO 03/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. THE MOST DRAMATIC OCCURRENCE ON THE DISK IN RECENT DAYS HAS BEEN THE RAPID RISE AND DECLINE OF SUNSPOTS. THESE SMALL SPOTS DEVELOP FOR A LIFE SPAN OF A MATTER OF HOURS OR POSSIBLY A DAY AND THEN DISAPPEAR. HOWEVER, ONE REGION WHICH WAS NUMBERED TODAY APPEARS FAIRLY WELL ESTABLISHED AND MAY NOT FOLLOW THAT PATTERN. THIS REGION, 4532 (S10E71) IS A D TYPE GROUP AND IS FAIRLY CLOSE TO THE POSITION OLD REGION 4509 WAS EXPECTED TO RETURN. OTHER REGIONS NUMBERED TODAY ARE 4533 (N02E69) AND 4534 (N04W76). DYNAMIC BEHAVIOR IN MOST OF THE REGIONS HAS BEEN RESTRICTED TO POINT BRIGHTENINGS AND PLAGE FLUCTUATIONS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A LOW LEVEL. NO REGIONS ARE DUE TO RETURN DURING THE NEXT 24 HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 02/2100Z TO 03/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN AT UNSETTLED TO ACTIVE LEVELS FOR THE NEXT 24 TO 48 HOURS.

III. EVENT PROBABILITIES 04 JUL-06 JUL

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 JUL 101

PREDICTED 04 JUL-06 JUL 102/102/104

90 DAY MEAN 03 JUL 118

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 02 JUL 012/016

ESTIMATED AFR/AP 03 JUL 012/015

PREDICTED AFR/AP 04 JUL-06 JUL 012/015-010/015-010/015

SOLTERWARN

BT