

HFUS3 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 189

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 07 JUL 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/2100 TO 07/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW THIS PERIOD. EVENTS HAVE BEEN LIMITED TO RADIO SWEEPS, B LEVEL X-RAY FLARES AND OPTICAL SUBFLARES. REGIONS 4525 (N13W41), 4532 (S07E16) AND 4533 (N02E21) HAVE BEEN THE SOURCE GROUPS FOR THE SUBFLARE ACTIVITY. REGION 4532 IS THE LARGEST REGION ON THE DISK, YET IS NOT THAT IMPRESSIVE. THIS SPOT GROUP IS, HOWEVER, SHOWING SOME SLIGHT GROWTH. REGION 4533 HAS DECAYED IN ITS LEADER, BUT SHOWS GROWTH IN THE TRAILER PORTION OF THE REGION. REGION 4525 HAS GROWN VERY SLIGHTLY THIS PERIOD. THE REMAINDER OF THE DISK APPEARS STABLE AT THIS TIME. NO NEW REGIONS WERE NUMBERED THIS PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE VERY LOW TO LOW THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 06/2100Z TO 07/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT UNSETTLED TO SLIGHTLY ACTIVE LEVELS, AT ALL LATITUDES, THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE AT UNSETTLED TO SLIGHTLY ACTIVE LEVELS, AT ALL LATITUDES, THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 08 JUL-10 JUL

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 JUL 097

PREDICTED 08 JUL-10 JUL 097/098/097

90 DAY MEAN 07 JUL 118

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 JUL 012/015

ESTIMATED AFR/AP 07 JUL 013/010

PREDICTED AFR/AP 08 JUL-10 JUL 011/015-008/015-010/010

SOLTERWARN

BT