

HFUSS BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 328

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 23 NOV 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100 TO 23/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW THIS PERIOD. A RADIO NOISE STORM AT 240 MHZ HAD A PEAK OF 460 SHU AT 23/0002Z. THERE ARE CURRENTLY THREE SPOTTED REGIONS ON THE DISK. TWO OF THESE ARE SIGNIFICANT. REGION 4597 (N19W60) IS A SMALL DSG GROUP THAT HAS HAD AN ARCHED FILAMENT SYSTEM. REGION 4598 (S12E33) IS AN EHO GROUP WITH A BETA-GAMMA MAGNETIC CONFIGURATION. IT HAS HAD ARCHED FILAMENT SYSTEM AND DARK SURGES ON THE DISK HAVE EMINATED FROM POINT BRIGHTENINGS IN THIS REGION. POINT BRIGHTENINGS WERE ALSO OBSERVED IN REGION 4597. TWO FILAMENTS DISAPPEARED THIS PERIOD. THE FIRST WAS GONE AT 23/0045Z FROM S10E39 WITH A 5 DEGREE LENGTH. THE SECOND LEFT FROM N07W08 BY 23/1907Z AND WAS APPROX 16 DEGREES IN LENGTH. NO NEW REGIONS WERE NUMBERED TODAY.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 22/2100Z TO 23/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE LEVELS THROUGHOUT THE FORECAST PERIOD. THIS ACTIVITY IS EXPECTED TO RESULT FROM THE SMALL FILAMENTS THAT DISAPPEARED ON THE 20TH AND 21ST.

III. EVENT PROBABILITIES 24 NOV-26 NOV

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 NOV 081

PREDICTED 24 NOV-26 NOV 081/081/080

90 DAY MEAN 23 NOV 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 22 NOV 013/015

ESTIMATED AFR/AP 23 NOV 010/020

PREDICTED AFR/AP 24 NOV-26 NOV 019/020-019/025-015/020

SOLTERWARN

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