

HFUS 3 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 008

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 08 JAN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100 TO 08/2100Z: SOLAR ACTIVITY HAS CONTINUED VERY LOW. AN XRAY CLASS C2 FLARE OCCURRED WITH XRAY MAX TIME AT 2026 Z. NO OPTICAL REPORTS OF THIS FLARE WERE AVAILABLE DUE TO POOR OBSERVING CONDITIONS. ALL OTHER XRAY EVENTS WERE CLASS B LEVEL. ALL DISK REGIONS REMAIN SIMPLE IN STRUCTURE.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME UNSETTLED WITH PERIODS AT ACTIVE LEVELS, ESPECIALLY ON THE 10TH. THIS SLIGHT INCREASE IN ACTIVITY IS EXPECTED AS THE RESIDUAL EFFECTS OF A CORONAL HOLE THAT HAS BEEN OBSERVED FOR TWO ROTATIONS, BUT IS NO LONGER CLEARLY DISCERNABLE ON THE KITT PEAK 10830.

III. EVENT PROBABILITIES 09 JAN-11 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 JAN 092

PREDICTED 09 JAN-11 JAN 092/092/092

90 DAY MEAN 08 JAN 096

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 JAN 004/007

ESTIMATED AFR/AP 08 JAN 007/015

PREDICTED AFR/AP 09 JAN-11 JAN 012/015-014/020-012/015

SOLTERWARN

BT