

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 CONDITINS. 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