

HFUS 1 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 003

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 3 JANUARY 1980

IA. SOLAR ACTIVITY HAS BEEN GENERALLY LOW. FLARE OCCURRENCE
HAS BEEN RESTRICTED TO PRIMARILY SUBCLASS FLARES WHILE XRAY
BURSTS OF TYPE "C" ARE THE ONLY TYPE BEING OBSERVED. DECAY OF
REGION 2215 (S13W12) IS EVIDENT IN ITS SATELLITE SPOTS AND THE
DELTA CONFIGURATION IS NO LONGER VISIBLE. HOWEVER, DYNAMIC
TENDENCIES PERSIST AS POINT BRIGHTENINGS AND FILAMENT ACTIVITY
CONTINUE TO OCCUR. REGION 2220 (N13E29) IS ALSO DYNAMIC AS
GROWTH, POINT BRIGHTENINGS AND FILAMENT ACTIVITY HAS BEEN
REPORTED. REGION 2220, ALTHOUGH AN "E" TYPE GROUP, IS BASICALLY
SIMPLE IN STRUCTURE. RAPID GROWTH IN REGION 2226 (N21E17) HAS
ELEVATED IT TO A SUSPICIOUS LEVEL FOR FLARE PRODUCTION. LITTLE
CHANGES HAVE OCCURRED IN OTHER REGIONS BUT DO NOT APPEAR SIGNIFICANT.

IB. SOLAR ACTIVITY WILL BE GENERALLY LOW WITH THE POTENTIAL FOR
"M" CLASS XRAY BURST INCREASING AS REGION COMPLEXITIES INCREASE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. QUIET TO UNSETTLED
CONDITIONS SHOULD CONTINUE FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 04 - 06 JAN

CLASS M 75/80/80

CLASS X 10/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 JAN 221

PREDICTED 04-06 JAN 225/228/230

90-DAY MEAN 03 JAN 219

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 JAN 11

ESTIMATED AFR/AP 03 JAN 13/13

PREDICTED AFR/AP 04-06 JAN 07/10 15/20 10/15

SOLTERWARN

BT