

HFUS 1 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDE NUMBER 003

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

I.A. 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.

I.B. 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 24 - 06 JAN

CLASS M 75/80/80

CLASS X 10/10/10

PREDICTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 JAN 221

PREDICTED 24-06 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 24-06 JAN 07/10 15/20 10/15

SOLTERWARN

BT