

HFUS 1 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 033

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 02 FEB 1980

IA. SOLAR ACTIVITY HAS BEEN RESTRICTED TO CLASS "C" FLARES THUS FAR TODAY. REGION 2266 (S15E44) CONTINUES TO DOMINATE THE DISK ALTHOUGH THE LARGE PENUMBRA HAS FRAGMENTED SINCE YESTERDAY. NUMEROUS SPOTS AND A DELTA MAGNETIC CONFIGURATION SUGGEST THAT REGION 2266 IS STILL A THREAT FOR SIGNIFICANT ACTIVITY. REGION 2271 (N17E37) HAS GROWN TO A MODERATE SIZE CLASS "C" SPOT GROUP AND HAS ALSO DEVELOPED A DELTA MAGNETIC CONFIGURATION. A NEW REGION 2272 (S13W27) DEVELOPED EARLIER TODAY AND QUICKLY BECAME A SIMPLE BETA MAGNETIC CLASS. REGION 2270 (N19E22) ALSO SHOWED GROWTH AND BECAME MORE DENSE IN SPOT AREA. THE REST OF THE DISK IS LITTLE CHANGED.

IB. SOLAR ACTIVITY SHOULD BE AT MODERATE LEVELS FOR THE COMING 24 HOURS.

II. THE GEOMAGNETIC FIELD IS QUIET TO UNSETTLED. NO CHANGE EXPECTED.

III. EVENT PROBABILITIES 03 FEB - 05 FEB

CLASS M 99/90/90

CLASS X 15/15/15

PREDICTED 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 FEB 224

PREDICTED 03-05 FEB 227/230/233

50-DAY MEAN 02 FEB 215

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 01 FEB 10

ESTIMATED AFR/AP 02 FEB 10/08

PREDICTED AFR/AP 03-05 FEB 08/07 06/08 05/09

SOLAR TERRAIN

BT