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HFUS 3 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 039

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 08 FEB 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100 TO 08/2100Z: SOLAR ACTIVITY HAS BEEN MODERATE THIS PERIOD. A M1 X-RAY FLARE OCCURRED AT 1607Z IN REGION 4411 (N10E03). THIS REGION HAS DEVELOPED A BETA GAMMA MAGNETIC CONFIGURATION SINCE THE LAST FORECAST PERIOD AND BECAME QUITE ACTIVE JUST PRIOR TO THE M1 FLARE. REGION 4413 (S12E44) HAS GROWN CONSIDERABLY AND IS NOW A D TYPE SPOT GROUP. REGION 4408 (S12W30) HAS DEVELOPED A BETA GAMMA MAGNETIC CONFIGURATION, ALTHOUGH, IT HAS DECAYED SOMEWHAT IN WHITE LIGHT. REGION 4410 (S09E09) HAS INCREASED IN SPOT NUMBER BUT APPEARS RELATIVELY STABLE AT THIS TIME. THE REST OF THE DISK HAS BEEN QUITE. NO NEW REGIONS WERE NUMBERED THIS PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE LOW TO MODERATE THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z:

THE GEOMAGNETIC FIELD HAS BEEN QUITE AT MIDLATITUDES AND UNSETTLED AT HIGH LATITUDES THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE QUIET TO UNSETTLED AT MIDLATITUDES AND UNSETTLED TO ACTIVE AT HIGH LATITUDES THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 09 FEB-11 FEB

CLASS M 20/25/30

CLASS X 01/01/05

PROTON 01/01/01

PCAF GREEN

IV. OTT WA 10.0 CM FLUX

OBSERVED 08 FEB 131

PREDICTED 09 FEB-11 FEB 131/132/134

90 DAY MEAN 08 FEB 103

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 FEB 007/011

ESTIMATED FR/AP 08 FEB 005/015

PREDICTED AFR/AP 09 FEB-11 FEB 005/010-005/015-005/020

SOLTERWARN

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