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K80U

HFUS 3 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 056

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 25 FEB 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100
TO 25/2100Z: SOLAR ACTIVITY HAS BEEN LOW. A SUBFAINT FLARE IN
REGION 4094 (N13W03) AT 250238Z; A SUBFAINT AND A C4/1B IN
REGION 4098 (S16E47) AT 251831Z AND 252028Z RESPECTIVELY IS THE
ONLY ACTIVITY OF ANY NOTE. THE ONLY OTHER REPORTS OF
CONSEQUENCE CONSISTED OF SPORADIC, LOW FREQUENCY RADIO BURSTS.
A NEW REGION WAS NUMBERED TODAY: 4100 (S08W08) AND IS A SMALL B
TYPE GROUP.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
CONTINUE LOW. OLD REGION 4079 SHOULD RETURN TOMORROW BUT IT WAS
CAPABLE OF PRODUCING ONLY C CLASS FLARES LAST ROTATION.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED. PERIODS OF
ACTIVE CONDITIONS WERE OBSERVED AT HIGH LATITUDES BUT MOSTLY
DURING NIGHTTIME HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: NO SIGNIFICANT CHANGES ARE
EXPECTED. HOWEVER, THE BRIEF ACTIVE CONDITIONS MAY EXTEND TO
MID LATITUDES AT NIGHT.

III. EVENT PROBABILITIES 26 FEB-28 FEB

CLASS M 25/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 FEB 123

PREDICTED 26 FEB-28 FEB 127/132/135

90 DAY MEAN 25 FEB 157

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 FEB 011/013

ESTIMATED AFR/AP 25 FEB 006/010

PREDICTED AFR/AP 26 FEB-28 FEB 010/015-015/015-015/010

SOLTERWARN

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