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HFUS 1 BDU 1722 00

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 048

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 FEBRUARY 1980

IA. SOLAR ACTIVITY HAS BEEN AT LOW LEVELS FOR THE PAST 24 HOURS.
THERE ARE ONLY SEVEN SPOTTED REGIONS ON THE DISK WITH THE TWO
MOST COMPLEX GROUPS BEING 2281 (N10W15) AND 2283 (S18E05).

BOTH REGIONS ARE LITTLE CHANGED FROM YESTERDAY AND HAVE AGAIN
PRODUCED ONLY LOW LEVEL FLARE ACTIVITY. SUBFLARES WERE ALSO
REPORTED FROM 2282 (N17W45) AND 2287 (S11E69).

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT LOW LEVELS EVEN
THOUGH 2281 AND 2283 POSSESS CHARACTERISTICS WHICH OFTEN PORTEND
SIGNIFICANT EVENTS. BOTH SHOULD BE WATCHED FOR ANY EVOLUTIONARY
TRENDS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS.
THE FIELD IS EXPECTED TO REMAIN AT PREDOMINATELY QUIET LEVELS FOR
THE NEXT WEEK.

III. EVENT PROBABILITIES 18 FEBRUARY - 20 FEBRUARY

CLASS M 50/50/50

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 FEBRUARY 191

PREDICTED 18 - 20 FEBRUARY 185/180/180

90-DAY MEAN 17 FEBRUARY 205

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 FEBRUARY 31

ESTIMATED AFR/AP 17 FEBRUARY 04/07

PREDICTED AFR/AP 18 - 20 FEBRUARY 06/07 06/08 06/08

SOLTERWARN

BT