

HFUS 1800 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SOF NUMBER 050

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 19 FEB 1980

IA. SOLAR ACTIVITY CONTINUED AT A LOW LEVEL FOR ANOTHER DAY,
ONLY SMALL CLASS C FLARES WERE OBSERVED. THE LARGEST EVENT OF
THE PAST 24 HOURS WAS A C7/1N AT 0745Z FROM REGION 2287 (S10E49),
MINOR FLUCTUATIONS AND AN ACTIVE NEUTRAL LINE HAVE ALSO BEEN
REPORTED. REGION 2283 (S18W21) HAS BEEN GENERALLY QUIET. A NEW
REGION 2290 (S17W31) HAS BEEN NUMBERED AT THE WESTERN END OF
THE OLD PLAGE IN 2283. REGION 2289 (S08W05) IS SMALL AND QUIET.
REGION 2281 (N08W46) THOUGH THE LARGEST AND IS SOMEWAYS THE
MOST IMPRESSIVE DISK REGION, REMAINS QUIET. NO SIGNIFICANT LIMB
ACTIVITY HAS BEEN REPORTED.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL THRU
THE FORECAST PERIOD. CLASS C EVENTS ARE EXPECTED FROM 2281 AND
2287 AND LESS FREQUENTLY FROM 2283. CLASS M EVENT ARE POSSIBLE
BUT SHOULD BE ISOLATED.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED EARLY IN THE UT DAY,
BECOMING QUIET THE PAST 12 HOURS. UNSETTLED CONDITIONS ARE
EXPECTED TOMORROW, AND QUIET CONDITIONS THE REMAINDER OF THE
PERIOD.

III. EVENT PROBABILITIES 20 FEB - 22 FEB

CLASS M 25/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 FEB 182

PREDICTED 20-22 FEB 178/714/169

90-DAY MEAN 19 FEB 205

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 FEB 08

ESTIMATED AFR/AP 19 FEB 08/12

PREDICTED AFR/AP 20-22 FEB 10/20 06/12 06/08

SOLTERWARN

BT