

HFUS 1 BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO.

SDF NUMBER 052

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 21 FEBRUARY 1980

IA. SOLAR ACTIVITY HAS DECREASED TO A LEVEL CHARACTERISTIC OF
SOLAR MINIMUM WITH ONLY VERY FEW SMALL CLASS C X-RAY EVENTS
TODAY. REGION 2281 (N 08W 74), 2287 (S 10E 13) AND 2290 (S 18W 54)
HAVE EACH PRODUCED A SINGLE EVENT. MINOR GROWTH IS OCCURRING
IN REGION 2288 (N 12E 27), MAKING IT NOW A SMALL CLASS D SPOT
GROUP. REGION 2281 HAS THE MOST COMPLEX SPOT GROUP BUT THAT,
TOO, IS SMALL. REGION 2291 (S 11E 70) APPEARED TODAY AS THE
RETURN OF OLD REGION 2258, HAVING BECOME A SMALL CLASS C GROUP.

IB. LONGITUDES WITH A HISTORY OF ENHANCED ACTIVITY WILL RETURN
TO EAST LIMB THROUGHOUT THE NEXT THREE DAYS BUT THERE IS NO
EVIDENCE OF IMMINENT ACTIVITY. MEANWHILE THE LOSS OF REGION
2281 AT WEST LIMB WILL LOWER SOLAR INDICES.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. QUIET CONDITIONS WILL
CONTINUE FOR ANOTHER DAY BEFORE UNSETLED CONDITIONS COMMENCE.

III. EVENT PROBABILITIES 22-24 FEBRUARY

CLASS M 25/25/35

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 FEB 173

PREDICTED 22-24 FEB 168/170/175

92-DAY MEAN 21 FEB 225

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 20 FEB 06

ESTIMATED AFR/AP 21 FEB 03/05

PREDICTED AFR/AP 22-24 FEB 06/08 10/10 12/12

SOLIERWARN

BT