

HFUS 1 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 017

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

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. ONLY
SMALL C-CLASS XRAY EVENTS HAVE BEEN REPORTED THE LARGEST A C2/SF
FROM REGION 2250 (S33W07) AT 1757 UT. REGIONS 2245 (S15E19), 2244
(N17W54) AND 2245 (N13E43) HAVE SHOWN MINOR GROWTH TODAY. REGION
2237 (N08W53) HAS SHOWN DECAY AND NOW IS MAGNETICALLY A BETA.
NEW REGION TODAY 2252 (S08E68) SIMPLE A TYPE.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT LOW LEVELS. REGIONS
2243 AND 2245 HAVE THE HIGHEST PROBABILITY OF PRODUCING M-CLASS
X-RAY ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST 24
HOURS. THE FIELD IS EXPECTED TO REMAIN AT UNSETTLED LEVELS DURING
THE FORECAST PERIOD.

III. EVENT PROBABILITIES 18-20 JANUARY

CLASS M 15/15/15

CLASS X 02/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 JAN 193

PREDICTED 18-20 JAN 190/187/186

90-DAY MEAN 17 JAN 221

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 JAN 07

ESTIMATED AFR/AP 17 JAN 10/10

PREDICTED AFR/AP 18-20 JAN 09/10 09/08 09/08

SOLTERWARN

BT