

HFUS 1-B ON 202200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 020

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 20 JANUARY 1980

IA. SOLAR ACTIVITY WAS LOW TODAY. ONLY TWO SUBFLARES WERE
REPORTED FROM REGIONS 2238 (S16W78) AND 2247 (S12E12). THE
HIGHEST X-RAY FLUX TODAY WAS C1. REGION 2243 (S15W21) HAS
SIMPLIFIED MAGNETICALLY AND IN WHITE LIGHT. REGION 2253 (N13E30)
HAS SHOWN SOME GROWTH. ONE NEW REGION WAS CONFIRMED TODAY, 2254
(S06E62), A B-TYPE GROUP.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW DUE LARGELY TO
DECAY OF REGION 2243. HOWEVER, A MINOR INCREASE IN THE LOW LEVEL
ACTIVITY MAY OCCUR IF GROWTH IN REGION 2253 CONTINUES. THERE
ARE NO REGIONS CURRENTLY ON THE DISK WHICH ARE LIKELY TO PRODUCE
A MAJOR FLARE.

II. THE GEOMAGNETIC FIELD WAS QUIET AND IS EXPECTED TO BECOME
UNSETTLED FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES 21 - 23 JAN

CLASS M 10/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 JAN 162

PREDICTED 21-23 JAN 160/159/162

90-DAY MEAN 20 JAN 219

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 19 JAN 03

ESTIMATED AFR/AP 20 JAN 05/06

PREDICTED AFR/AP 21-23 JAN 08/10 08/10 09/12

SOLTERWARN

BT