

HFUS 1 B.OU 12200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SOF NUMBER 001

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 01 JANUARY 1980

IA. SOLAR ACTIVITY HAS BEEN MODERATE FOR THE PAST 24 HOURS.
REGION 2220 (N12E58) HAS GROWN IN EXTENT AND SPOT COUNT AND
PRODUCED AN M2/1B FLARE WHICH MAXED AT 1814 UT. REGION 2215
(S13E18) REMAINS MAGNETICALLY COMPLEX BUT HAS DECAYED SLIGHTLY
IN WHITE LIGHT. TWO NEW REGIONS WERE NUMBERED TODAY. THEY ARE
REGION 2222 (S28W09), A B-TYPE GROUP WHICH FORMED ON THE DISK,
AND 2223 (S14E78) WHICH IS RETURNING REGION 2183. ALL OTHER
REGIONS REMAINED STABLE OR DECLINED.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE FOR THE
NEXT THREE DAYS. REGIONS 2220 AND 2215 ARE CAPABLE OF SIGNIFICANT
ACTIVITY AND 2223 IS POTENTIALLY INTERESTING.

II. THE GEOMAGNETIC FIELD HAS BEEN MOSTLY UNSETTLED WITH SOME
ACTIVE PERIODS DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO
BE UNSETTLED TO QUIET THROUGHOUT THE FORECAST PERIOD WITH THE
POSSIBILITY OF SUBSTORM ACTIVITY DURING LOCAL NIGHTIME HOURS.

III. EVENT PROBABILITIES 02 - 04 JANUARY

CLASS M 80/80/80

CLASS X 20/20/20

PROTON 10/15/15

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 JAN 196

PREDICTED 02-04 JAN 201/205/208

90-DAY MEAN 01 JAN 219

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 DEC 07

ESTIMATED AFR/AP 01 JAN 14/18

PREDICTED AFR/AP 02-04 JAN 10/12 07/08 07/10

SOLTERWARN

BT