

HFUS 1 BOUT 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 004

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 04 JAN 1979

I. SOLAR ACTIVITY HAS BEEN LOW. REGION 1487 (S 12W 15) HAD A COUPLE OF C-CLASS SUBFLARES. IT IS STILL AN E TYPE GROUP BUT HAS SHOWN SOME DECAY. REGION 1490 (N 18W 87) HAS HAD SEVERAL SUBFLARES AND IS NOW SPOTLESS. REGION 1492 (S 18E 58) HAS SHOWN GROWTH AND IS NOW A DKI THE REST OF THE SUN HAS SHOWN DECAY.

B. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE. REGION 1487 REMAINS HIGHEST IN FLARING POTENTIAL.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TODAY. CONDITIONS SHOULD REMAIN ACTIVE FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 05 JAN - 07 JAN

CLASS M 60/60/60

CLASS X 15/15/10

PROTON 10/10/10

PCAF GREEN

IV. OTTAWA (10.7 CM) FLUX

OBSERVED 04 JAN 205

PREDICTED 05 - 07 JAN 204/202/197

90-DAY MEAN 04 JAN 168

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 JAN 16

ESTIMATED AFR/AP 04 JAN 24/38

PREDICTED AFR/AP 05 - 07 JAN 22/35 - 20/28 - 18/18

SOLTERWAR N

BT