

HFUS 1 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 003

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 03 JANUARY 1979

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1487 (S13W01) HAD AN M1/SN FLARE AT 2149Z AND SEVERAL C-CLASS SUBFLARES. IT HAS SHOWN SOME GROWTH AND IS AN E-TYPE BETA-GAMMA WITH 50 SPOTS. AN AFS WAS OBSERVED. REGION 1493 (N27E58) HAS HAD A COUPLE C-CLASS SUBFLARES. IT IS STILL A D-TYPE BETA-GAMMA GROUP. REGION 1484 (S35E04) HAD A SUBFLARE AND IS STILL AN E-TYPE BETA-GAMMA. REGION 1476 (S15W53) HAD A SUBFLARE. IT HAS SHOWN SOME DECAY AND IS A C-TYPE GROUP. THE REST OF THE DISK/LIMB HAS CHANGED LITTLE.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE. REGION 1487 HAS THE MOST POTENTIAL FOR FLARING ACTIVITY, ALTHOUGH REGIONS 1493 AND 1476 ARE INTERESTING.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TODAY. CONDITIONS SHOULD BE ACTIVE FOR THE NEXT TWO DAYS AND THEN BECOME UNSETLED.

III. EVENT PROBABILITIES 04-06 JAN

CLASS M 60/65/70

CLASS X 20/20/30

PROTON 10/10/15

PCAF GREEN

IV. OTTAWA (10.7 CM FLUX)

OBSERVED 03 JAN 220

PREDICTED 04-06 JAN 223/225/223

90-DAY MEAN 03 JAN 167

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 02 JAN 13

ESTIMATED AFR/AP 03 JAN 15/20

PREDICTED AFR/AP 04-06 JAN 18/20 - 14/25 - 12/18

SOLTERWARN

BT