

HFUS (1) BOU (182200  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 013  
JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z (18 JAN 1979)

IA. SOLAR ACTIVITY HAS BEEN MODERATE. THE LARGEST FLARE WAS AN M-1 AT 0900 U.T. (MAX) BUT THERE WAS NO OPTICAL REPORT FOR IT OR FOR THE SEVERAL OTHER C-FLARES DURING THE FIRST HALF OF THE DAY. REGION (1520 (S16E35) WAS THE MOST ACTIVE REGION TODAY WITH A C-7/SN AT (1343 U.T., A C-6/SN AT 1517 U.T., AND SEVERAL OTHER SUBFLARES. IT HAS GROWN TO A D-TYPE GROUP WITH 15 SPOTS. REGION (1502 (N16W81) HAD A C-8/SN FLARE AT 1416 U.T. AND SEVERAL OTHER SUBFLARES. IT APPEARS TO HAVE DECAYED SLIGHTLY BUT IS STILL AN E-TYPE GROUP. NEW REGION (1523 (S23W06) HAD TWO SUBFLARES AND IS A D-TYPE GROUP. NEW REGION (1524 (S20E48) IS A C-TYPE GROUP AND NEW REGION (1525 (N11E71) IS A B-TYPE GROUP. REGION (1514 (N10W09) APPEARS TO BE A REVERSED POLARITY GROUP. THE REST OF THE DISK/LIMB IS QUIET.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE. REGIONS 1520 AND 1523 SHOULD BE WATCHED FOR GROWTH AND ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE. CONDITIONS SHOULD BE UNSETLED FOR THE NEXT 48 HOURS WITH POSSIBLE ACTIVE CONDITIONS ON THE THIRD DAY.

III. EVENT PROBABILITIES 19-21 JAN

CLASS M 70/80/80

CLASS X 15/10/10

PROTON 05/05/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 JAN 182

PREDICTED 19-21 JAN 180/178/178

90-DAY MEAN 18 JAN 171

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 17 JAN 04

ESTIMATED AFR/AP (18 JAN 11/12

PREDICTED AFR/AP 19-21 JAN 00/12 - 11/10 - 15/20

SOLTERWARN

BT