

HFUS 1 BDU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO  
SD F NUMBER 728

JOINT USAF/NOAA PRIMAR Y REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 28 JAN 1980

I.A. SOLAR ACTIVITY CONTINUES AT A MODERATE LEVEL. CLASS M EVENTS OCCURRED AT 27/2337Z AND 28/0740Z FROM REGION 2259 (N 05E 47), 27/0305Z FROM REGION 2247 (S 17W 90) AND 28/1710Z (SOURCE UNKNOWN). REGION 2259 CONTINUES TO EXHIBIT CHARACTERISTICS OF A MAJOR FLARE PRODUCER. REGION 2247 (S 17W 90) IS CROSSING THE LIMB AND IS NOW PRODUCING ONLY SMALL ACTIVITY. GROWTH HAS BEEN REPORTED IN REGION 2262 (N 16E 64). A NEW REGION 2265 IS ROTATING ON TO THE DISK NEAR NE 22. WEATHER HAS RESTRICTED OBSERVATIONS AT MOST OF OUR OBSERVATORIES.

I.B. SOLAR ACTIVITY SHOULD REMAIN AT A MODERATE LEVEL WITH DAILY OCCURANCES OF CLASS M AND AN OCCASSIONAL CLASS X FLARES. 2247 AND 2259 ARE THE MOST LIKELY SOURCES FOR THESE EVENTS. E-W DRIFT SCANS INDICATE MORE REGIONS SHOULD BE ROTATING ON TO THE DISK.

II. THE GEOMAGNETIC FIELD WAS MILDLY ACTIVE UNTIL 28/0730Z, THEN QUIET UNTIL 28/1200Z, AND HAS BEEN AT ACTIVE LEVELS SINCE. THE FIELD IS EXPECTED TO CONTINUE TO BE UNSETTLED TO ACTIVE THRU THE FORECAST PERIOD.

III. EVENT PROBABILITIES 29 - 31 JAN

CLASS M 9.0/9 0/9 0

CLASS X 2.0/2 0/2 0

PROMPT 10/5/5

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 JAN 199

PREDICTED 29-31 JAN 10.04/12.08/12

9-DAY MEAN 28 JAN 2.15

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 27 JAN 19

ESTIMATED AFR/AP 28 JAN 2.7/2.1

PREDICTED AFR/AP 29-31 JAN 15/18/13/15/10/10

SOLARWARN 28 JAN 19

BT