

4FHS 3 BOU 171400

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SF NUMBER 322A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1200UT 17 NOV 1980

IA. SOLAR ACTIVITY HAS BEEN HIGH. REGION 2779 (S11W77) HAS CONTINUED TO CONTRIBUTE TO ACTIVITY BUT AT A MUCH REDUCED LEVEL GIVING AN M4/SB AT 16/1435 ACCOMPANIED BY SMALL AMOUNTS OF RADIO EMISSION. REGIONS 2788 (N18W19) AND 2790 (N17E20) HAVE BECOME THE PRINCIPAL ACTIVE SOURCES. EACH HAS FLARED REPEATEDLY. THE LARGEST EVENTS DURING THE LAST 24 HOURS IN 2788 WERE TWO M2/B FLARES AT 17/0022 AND 17/0822. REGION 2790 MANAGED M1/SB FLARES AT 17/0549 AND 17/0922. THE CAPACITY FOR VERY LARGE CLASS M OR FOR CLASS X FLARES IS NOT APPARENT IN THE STRUCTURE OF ANY OF THESE REGIONS. REGION 2790 HAS GROWN SLIGHTLY IN EAST/WEST EXTENT. REGION 2793 (N13E57) HAS GAINED ADDITIONAL SPOTS, WHILE REGION 2788 APPEARS STABLE AND 2779 MUCH DECAIED.

IB. SOLAR ACTIVITY SHOULD BE MODERATE DURING THE NEXT 24 HOURS. CLASS M FLARES SHOULD BECOME LESS FREQUENT AND OCCUR AT SOMEWHAT LOWER LEVELS.

II. THE GEOMAGNETIC FIELD HAS BECOME LESS ACTIVE IN RECENT HOURS. IT SHOULD BECOME UNSETTLED TO NEAR QUIET LEVELS WITH IN THE NEXT 24 HOURS.

III. EVENT PROBABILITIES: 18-20 NOV

CLASS M 95/95/95

CLASS X 20/20/10

PROTON 15/15/05

PCAF YELLOW

IV. OTTAWA 10.7 FLUX

OBSERVED 16 NOV 195

ESTIMATED 17 NOV 182

PREDICTED 18-20 NOV 175/171/168

90 DAY MEAN 16 NOV 202

V. GEOMAGNETIC A INDICES

OBSERVED AFR 15 NOV 17 AP 16 NOV 16

ESTIMATED AFR 16 NOV 14 AFR/AP 17 NOV 08/12

PREDICTED AFR/AP 18-20 NOV 08/10 07/10 08/10

SOLTERWARN

RT

HFUS 180U 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 322B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200UT 17 NOV 1980

IA. SOLAR ACTIVITY HAS BEEN HIGH. REGION 2779 (S12W85) HAS CONTINUED TO CONTRIBUTE TO ACTIVITY BUT AT A MUCH REDUCED LEVEL GIVING AN M5/SB AT 17/1342Z AND SEVERAL CLASS C SUBFLARES. REGIONS 2788 (N18W25) AND 2790 (N17E12) HAVE BEEN THE PRINCIPAL ACTIVE SOURCES. REGION 2788 PRODUCED A M2/1B AT 0022Z AND A M2/1B AT 0822Z. REGION 2790 PRODUCED AN M1/1B AT 0549Z AND AN M1/SB AT 0922Z. THE CAPACITY FOR VERY LARGE CLASS M OR FOR CLASS X FLARES IS NOT APPARENT IN THE STRUCTURE OF ANY OF THESE REGIONS. REGION 2790 HAS GROWN SLIGHTLY IN EAST/WEST EXTENT. REGION 2793 (N13E67) HAS GAINED ADDITIONAL SPOTS, WHILE REGION 2788 APPEARS STABLE AND 2779 MUCH DECAYED.

IB. SOLAR ACTIVITY SHOULD BE MODERATE DURING THE NEXT 24 HOURS. CLASS M FLARES SHOULD BECOME LESS FREQUENT AND OCCUR AT SOMEWHAT LOWER LEVELS.

II. THE GEOMAGNETIC FIELD HAS BECOME LESS ACTIVE IN RECENT HOURS. IT SHOULD BECOME UNSETTLED TO NEAR QUIET LEVELS WITH IN THE NEXT 24 HOURS.

III. EVENT PROBABILITIES: 18-20 NOV

CLASS M 95/95/95

CLASS X 20/20/10

PROTON 15/15/05

PCAF YELLOW

IV. OTTAWA 10.7 FLUX

OBSERVED 17 NOV 189

PREDICTED 18-20 NOV 180/175/170

90 DAY MEAN 17 NOV 202

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 NOV 12/16

ESTIMATED AFR/AP 17 NOV 11/12

PREDICTED AFR/AP 18-20 NOV 08/10 07/10 08/10

SOLTERWARN

BT