

HFUS 3 BOU 191400

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 324A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1200UT 19 NOV 1980

IA. SOLAR ACTIVITY HAS BEEN AT MODERATE LEVELS. REGION 2779 (BEHIND WEST LIMB) PRODUCED AN M9 X-RAY BURST AT 190457Z (MAX) THAT HAD NO OPTICAL CORRELATION OTHER THAN SURGE ACTIVITY. REGION 2793 (N11E47) IS PRODUCING AN OCCASIONAL FLARE AND IS FLUCTUATING IN INTENSITY WITH FREQUENT POINT BRIGHTENINGS. THIS REGION DOES NOT APPEAR TO BE GROWING BUT IT IS ALREADY SUFFICIENTLY LARGE AND COMPLEX FOR ENERGETIC ACTIVITY. REGION 2788 (N20W38) IS NOW A FAMILY OF SPOT GROUPS ORIENTED SW-NE AND IS SLOWLY DECAYING. REGION 2790 (N16W07) HAS SHOWN DYNAMIC BEHAVIOR IN THE FORM OF SUBFLARES BUT REMAINS BASICALLY A SMALL, SIMPLE C TYPE GROUP.

IB. SOLAR ACTIVITY SHOULD REMAIN AT MODERATE LEVELS BUT THE FREQUENCY OF "M" CLASS FLARES SHOULD DECLINE.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETLED. QUIET TO UNSETLED CONDITIONS SHOULD CONTINUE FOR THE NEXT 24 TO 36 HOURS.

III. EVENT PROBABILITIES: 20-22 NOV

CLASS M 90/9 0/80

CLASS X 10/10/05

PROTON 05/05/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 18 NOV 179

ESTIMATED 19 NOV 178

PREDICTED 20-22 NOV 177/176/176

90 DAY MEAN 18 NOV 202

V. GEOMAGNETIC INDICES

OBSERVED AFR 17 NOV 12 AP 18 NOV 14

ESTIMATED AFR 18 NOV 14 AFR/AP 19 NOV 13/15

PREDICTED AFR/AP 20-22 NOV 11/10 10/12 10/10

SOLTERWARN

BT

HFUS , BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER , BOULDER , COLORADO
SDF NUMBER 324B

JOINT USAF/NOAA/REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200UT 19 NOV 1980

IA. SOLAR ACTIVITY HAS BEEN AT MODERATE LEVELS. REGION 2779 (BEHIND WEST LIMB) PRODUCED AN M9 X-RAY BURST AT 190457Z (MAX) THAT HAD NO OPTICAL CORRELATION OTHER THAN SURGE ACTIVITY. REGION 2793 (N11E47) IS PRODUCING AN OCCASIONAL FLARE AND IS FLUCTUATING IN INTENSITY WITH FREQUENT POINT BRIGHTENINGS. THIS REGION DOES NOT APPEAR TO BE GROWING BUT IT IS ALREADY SUFFICIENTLY LARGE AND COMPLEX FOR ENERGETIC ACTIVITY. REGION 2788 (N20W38) IS NOW A FAMILY OF SPOT GROUPS ORIENTED SW-NE AND IS SLOWLY DECAYING. REGION 2790 (N16W07) HAS SHOWN DYNAMIC BEHAVIOR IN THE FORM OF SUBFLARES BUT REMAINS BASICALLY A SMALL , SIMPLE C TYPE GROUP. NEW REGION 2799 (S12E68) IS REPORTED AS AN A-TYPE SPOT.

IB. SOLAR ACTIVITY SHOULD REMAIN AT MODERATE LEVELS BUT THE FREQUENCY OF "M" CLASS FLARES SHOULD DECLINE.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED . QUIET TO UNSETTLED CONDITIONS SHOULD CONTINUE FOR THE NEXT 24 TO 36 HOURS.

III. EVENT PROBABILITIES : 20-22 NOV

CLASS M 90/90/80

CLASS X 10/10/05

PROTON 05/05/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 19 NOV 177

PREDICTED 20-22 NOV 175/172/170

90 DAY MEAN 19 NOV 202

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 NOVEMBER 15/14

ESTIMATED AFR/AP 19 NOVEMBER 13/15

PREDICTED AFR/AP 20-22 NOVEMBER 11/10 10/12 10/10

SOLTERWARN

BT