

HFUS 3 BOU 011400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 306A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1200 UT 1 NOVEMBER 1980

IA. DESPITE AN IMPRESSIVE LOOKING ACTIVE REGION, 2776 (N12E65), AND AN INCREASING 10CM FLUX, THE SUN HAS REMAINED RELATIVELY QUIET, ONLY SMALL CLASS C FLARES HAVE BEEN OBSERVED. REGION 2776 HAS EMERGED IN THE "ACTIVE LONGITUDES, MAY BE MAGNETICALLY COMPLEX, AND HAS A REPORTED LIGHT BRIDGE, HOWEVER, THIS REGION APPEARS TO HAVE PEAKED ITS DEVELOPMENT ON THE BACK SIDE. REGION 2772 (N22E34) MAY BE DEVELOPING INTO THE NEXT SIGNIFICANT FLARE PRODUCER, IT IS REPORTED AS BRIGHT AND GROWING RAPIDLY. THE REMAINING DISK REGIONS APPEAR STABLE OR DECLINING.

IB. SOLAR ACTIVITY IS EXPECTED TO BE GENERALLY LOW TO MODERATE. REGION 2776 IS A PROVEN CLASS M FLARE PRODUCER AND MAY PRODUCE ADDITIONAL EVENTS, BUT THESE ARE EXPECTED TO BE INFREQUENT. ENERGETIC FLARE ACTIVITY IS ALSO POSSIBLE FROM REGION 2772 IF GROWTH THERE CONTINUES. SEVERAL REGIONS ARE DUE BACK ON THE EAST LIMB DURING THE FORECAST PERIOD AND COULD RAISE THE LEVEL OF FLARE ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY ACTIVE THE PAST 24 HOURS WITH AN INCREASE TO ACTIVE CONDITIONS OVER THE LAST SIX HOURS. THIS DISTURBANCE IS EXPECTED TO DECLINE OVER THE NEXT 12 HOURS, AND THE FIELD SHOULD BE QUIET TO UNSETTLED THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 02-04 NOV

CLASS M 45/50/60

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 31 OCT 215

ESTIMATED 01 NOV 225

PREDICTED 02-04 NOV 235/245/250

90-DAY MEAN 31 OCT 187

V. GEOMAGNETIC A INDICES

OBSERVED AFR 30 OCT 10 AP 31 OCT 23

ESTIMATED AFR 31 OCT 20 AFR/AP 01 NOV 17/20

PREDICTED AFR/AP 02-04 NOV 10/12 / 08/10 - 10/10

SOLIERWARN

BT

HFUS 1 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 306B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200UT 1 NOVEMBER 1980

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS.
A M1/1B EVENT FROM REGION 2776 (N12E57) OCCURRED AT 1919UT. THE
FLARE WAS IN THE NORTHERN PORTION OF THE REGION.

IB. SOLAR ACTIVITY IS EXPECTED TO BE AT OR NEAR MODERATE LEVELS
DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE THE PAST 24 HOURS. THE
FIELD IS EXPECTED TO BE UNSETTLED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 02-04 NOV

CLASS M 45/50/60

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 01 NOV 230

PREDICTED 02-04 NOV 235/245/250

90-DAY MEAN 01 NOV 188

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 31 OCT 25/23

ESTIMATED AFR/AP 01 NOV 19/19

PREDICTED AFR/AP 02-04 NOV 10/12 - 08/10 - 10/10

SOLTERWARN

BT