

OU
HFUS 3 BOU 271300
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 332A

USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1200UT 27 NOV 1980

IA. SOLAR ACTIVITY HAS BEEN LOW WITH ONLY SMALL CLASS C X-RAY EVENTS OBSERVED IN THE PAST 24 HOURS. REGION 2794 (N09W76) HAS A BRIGHT FLUCTUATING PLAGE BUT HAS PRODUCED ONE FLARE, A C3/SN AT 26/1348Z. SEVERAL SUBFLARES HAVE BEEN REPORTED IN NEW REGION 2810 (S12E77) AS IT ROTATES AROUND THE LIMB. THIS IS A SMALL BUT BRIGHT REGION. NEW REGION 2809 (N22E70) APPEARS TO BE A GROWING ACTIVE REGION. ANOTHER NEW REGION 2811 (S11W06) HAS DEVELOPED ON THE DISK. IT IS A RAPIDLY GROWING SMALL PLAGE AND SPOT GROUP. A SCATTERED SPOTLESS PLAGE HAS RETURNED IN THE LOCATION OF OLD ACTIVE REGION 2776 AT N15E70. ALL OTHER REGIONS ARE QUIET. THE BUSHY FILAMENT NEAR N08E38 DISAPPEARED ON 26 NOV.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT LOW TO MODERATE LEVELS DURING THE NEXT THREE DAYS. NONE OF THE REGIONS CURRENTLY ON THE DISK APPEAR CAPABLE OF MAJOR FLARE ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS CONTINUED ACTIVE DURING THE PAST 24 HOURS. UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED DURING THE NEXT THREE DAYS. NO GEOMAGNETIC EFFECTS ARE EXPECTED FROM THE FILAMENT WHICH DISAPPEARED YESTERDAY.

III. EVENT PROBABILITIES 28-30 NOV

CLASS M 60/60/60

CLASS X 02/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 26 NOV 195

ESTIMATED 27 NOV 198

PREDICTED 28-30 NOV 200/202/205

90-DAY MEAN 26 NOV 203

V. GEOMAGNETIC A INDICES

OBSERVED AFR 25 NOV 17 AP 26 NOV 17V

ESTIMATED AFR 26 NOV 20 AFR/AP 27 NOV 16/18

PREDICTED AFR/AP 28-30 NOV 15/18 - 12/12 - 10/10

SOLTERWARN

BT

HFUS 1 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 332B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200UT 27 NOV 1980

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. THE MOST RECENT SIGNIFICANT XRAY EVENT WAS A C3/SN FLARE FROM REGION 2794 (N10W84). THE MOST RECENT REGION TO BE NUMBERED IS 2812 (N15E03). THIS REGION, AS WELL AS 2809 (N23E58), 2810 (S11E66), AND 2811 (S11W19), HAS SHOWN GOOD DEVELOPMENT.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT LOW TO MODERATE LEVELS DURING THE NEXT THREE DAYS. NO GEOMAGNETIC EFFECTS ARE EXPECTED FROM YESTERDAY'S DISAPPEARING FILAMENT.

II. THE GEOMAGNETIC FIELD BECAME UNSETTLED AT 1700Z TODAY AFTER HAVING BEEN MOSTLY ACTIVE DURING THE PREVIOUS 24 HOURS. MOSTLY UNSETTLED CONDITIONS ARE FORECAST OVER THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 28-30 NOV

CLASS M 40/40/50

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 27 NOV 190

PREDICTED 28-30 NOV 192/196/200

90-DAY MEAN 27 NOV 203

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 NOV 21/17

ESTIMATED AFR/AP 27 NOV 16/15

PREDICTED AFR/AP 28-30 NOV 15/18 - 12/12 - 10/10

SOLTERWARN

BT