

HFUS 3 BOU 221400

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SD F NUMBER 327A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1200UT 22 NOV 1980

IA. SOLAR ACTIVITY WAS MODERATE DURING THE PAST 24 HOURS.  
REGION 2793 (N 11W 01) RETAINS ITS COMPLEXITY. THE CHANGES IN 2793  
HAVE BEEN SMALL BUT MAY INCLUDE A REDUCTION IN SPOT NUMBER. THE  
NEUTRAL LINE IS NO LONGER ACTIVE BUT THE PLAGE CONTINUES TO  
FLUCTUATE IN BRIGHTNESS. REGION 2794 (N 10W 14) IS POSSIBLY  
STILL GROWING WHICH COULD RESULT IN AN EVEN CLOSER ASSOCIATION  
WITH 2793. REGION 2797 (S 19E 34) HAS BEGUN TO PRODUCE OCCASIONAL  
SUBFLARES THUS SUGGESTING THAT ITS COMPLEXITY IS INCREASING.  
OTHER DISK CHANGES HAVE BEEN MINIMAL.

IB. SOLAR ACTIVITY SHOULD CONTINUE AT MODERATE LEVELS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO OCCASIONALLY UNSETTLED.  
NO CHANGE IS EXPECTED.

III. EVENT PROBABILITIES: 23 NOV - 25 NOV

CLASS M 75/75/75/

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 21 NOV 166

ESTIMATED 22 NOV 165

PREDICTED 23-25 NOV 166/169/172

90 DAY MEAN 22 NOV 202

V. GEOMAGNETIC INDICES

OBSERVED AFR 20 NOV 19 AP 21 NOV 12

ESTIMATED AFR 21 NOV 13 AFR/AP 22 NOV 10/10

PREDICTED AFR/AP 23 NOV- 25 NOV 10/10 10/10 08/08

SOLTERWARN

BT

HFUS 1 BOU 2222 00

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 327B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200UT 22 NOVEMBER 1980

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS. FLARES IN REGIONS 2793 (N 13W 06) AND 2797 (S 18E 28) COMBINED TO PRODUCE AN M1 EVENT MAXING AT 0551 UT. REGION 2793 IS DEACYING AND HAS LOST ITS DELTA MAGNETIC CONFIGURATION. HOWEVER REGION 2794 (N 10W 21) IS GROWING AND SHOWS A STRONG ARCH FILAMENT SYSTEM AND ACTIVE DARK FILAMENT. NEW REGION 2801 (N 16W 35) APPEARED ON THE DISK TODAY AS A D-TYPE GROUP. A LARGE FILAMENT NEAR S25, CENTRAL MERIDIAN YESTERDAY DISAPPEARED AT 0610 UT IN ASSOCIATION WITH THE M-CLASS XRAY EVENT.

IB. SOLAR ACTIVITY SHOULD CONTINUE AT MODERATE LEVELS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO OCCASIONALLY UNSETLED. NO CHANGE IS EXPECTED.

III. EVENT PROBABILITIES: 23 NOV - 25 NOV

CLASS M 75/75/75

CLASS X 05/05/05

PROMPT 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 22 NOV 176

PREDICTED 23-25 NOV 175/175/175

90 DAY MEAN 22 NOV 202

V. GEOMAGNETIC INDICES

OBSERVED AFR/AP 21 NOV 13/12

ESTIMATED AFR/AP 22 NOV 07/08

PREDICTED AFR/AP 23-25 NOV 08/10 06/08 06/08

SOLTERWARN

BT