

HFUS 1 BOU 101300  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 314A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 1300Z 10 NOV 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
09/1200Z TO 10/1200Z: SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST  
24 HOURS. THE LARGEST EVENT WAS C4/1N AT 0919Z(MAX) FROM  
REGION 3987(S13E65). THIS REGION IS NOW VISIBLE AS A YOUNG,  
DEVELOPING EKI SPOT GROUP WITH A POSSIBLE DELTA CONFIGURATION  
IN THE CENTER OF THE REGION. REGIONS 3984(S16E47) AND  
3990(S07E58) FORM A COMPLEX WITH REGION 3987, BUT THESE ARE  
SMALL AND SIMPLE. NEW REGION 3988(N08W17) HAS NOT GROWN PAST A  
SMALL CLASS C SPOT GROUP. ALL THE REMAINING SEVEN SPOTTED  
REGIONS ARE SMALL AND DECLINING.

IB. SOLAR ACTIVITY FORECAST: ADDITIONAL GROWTH IN REGION 3987  
IS EXPECTED TO PRODUCE CLASS M ACTIVITY IN THE NEXT 36 HOURS.  
PROTON EMISSION IS LIKELY SHOULD AN EVENT APPROACH CLASS X  
INTENSITY. A LARGE FILAMENT IN THE NW QUADRANT OF THE SOLAR  
DISK IS EXPECTED TO ERUPT IN THE NEXT 48 HOURS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS  
BEEN UNSETTLED AND OCCASIONALLY QUIET IN THE PAST 24 HOURS.  
SIMILAR CONDITIONS ARE EXPECTED FOR ANOTHER 48 HOURS BEFORE  
ARRIVAL OF A CORONAL-HOLE-RELATED DISTURBANCE.

III. EVENT PROBABILITIES 11 NOV-13 NOV

CLASS M 60/70/80  
CLASS X 10/10/15  
PROTON 10/10/15  
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 NOV 152  
ESTIMATED 10 NOV 154  
PREDICTED 11 NOV-13 NOV 156/158/162  
90 DAY MEAN 09 NOV 162

V. GEOMAGNETIC A INDICES

OBSERVED AFR 08 NOV 012 AP 09 NOV 009  
ESTIMATED AFR 09 NOV 008 AFR/AP 10 NOV 010/012  
PREDICTED AFR/AP 11 NOV-13 NOV 006/014-014/015-013/020

SOLTERWARN

BT

HFUS 3 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 314B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 10 NOV 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
10/1200Z TO 10/2100Z: SOLAR ACTIVITY HAS BEEN MODERATE. MOST OF  
THE FLARES ARE OCCURRING IN REGION 3987 (S13E59), THE LARGEST  
OF WHICH WAS A M2/2B WITH MAXIMUM AT 1804Z. HOWEVER, ONLY MINOR  
BURSTS ACROSS THE RADIO SPECTRUM OCCURRED WITH THIS FLARE.  
REGION 3987 CONTINUES TO GROW IN AREA AND COMPLEXITY AND IS THE  
DOMINANT REGION ON THE DISK. NEW FLUX IS EMERGING JUST SW OF  
REGION 3987; HOWEVER, DUE TO ITS CLOSE PROXIMITY TO 3987, NO  
REGION NUMBER IS BEING ASSIGNED AT THIS TIME. ALL OTHER DISK  
REGIONS REMAIN STABLE.

IB. SOLAR ACTIVITY FORECAST: WITH THE CONTINUED GROWTH IN  
REGION 3987, SOLAR ACTIVITY IS NOW EXPECTED TO REMAIN MODERATE.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS  
BEEN UNSETTLED. THE FIELD IS EXPECTED TO BE GENERALLY UNSETTLED  
FOR THE NEXT 24-36 HOURS. THEN THE FIELD IS EXPECTED TO TRANSIT  
INTO ACTIVE CONDITIONS AS THE EARTH MOVES INTO A RECURRENT HIGH  
SPEED STREAM ASSOCIATED WITH A NORTHERN HEMISPHERE CORONAL  
HOLE.

III. EVENT PROBABILITIES 11 NOV-13 NOV

CLASS M 60/70/80

CLASS X 10/10/15

PROTON 10/10/15

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 NOV 156

PREDICTED 11 NOV-13 NOV 161/166/172

90 DAY MEAN 10 NOV 162

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 NOV 011/009

ESTIMATED AFR/AP 10 NOV 010/013

PREDICTED AFR/AP 11 NOV-13 NOV 010/015-014/015-018/020

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