

HFUS 1 BOU 301300  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 334A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 1300Z 30 NOV 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
29/1200Z TO 30/1200Z: SOLAR ACTIVITY HAS CONTINUED LOW DURING  
THE PAST 24 HOURS. SEVERAL CLASS "C" EVENTS HAVE BEEN OBSERVED  
THE LARGEST WAS A C8/LIMB EVENT AT 29/1412UT THIS APPEARED TO  
BE ASSOCIATED WITH REGION 4010 (N08E72) HOWEVER THE EVENT MAY  
HAVE BEEN FROM A NEW REGION JUST NOW ON THE EAST LIMB. A BRIGHT  
SURGE WAS SEEN AT 29/1700 OUT TO .22 RADII (N04E90) THIS WAS  
ACCOMPANIED BY A C4 X-RAY BURST. A C8 EVENT OCCURRED AT  
29/2134UT MINOR RADIO ALSO WAS OBSERVED WITH THIS EVENT HOWEVER  
LIMITED OPTICAL REPORTS PREVENTED A POSITIVE CORRELATION WITH A  
ACTIVE REGION. ACTIVITY CONTINUES FROM REGION 4010 AND THE  
NORTHEAST PORTION OF THE DISK WITH A ERUPTIVE PROMINENCE  
REPORTED AT 30/0740UT (N07E90) A C3 EVENT ALSO WAS OBSERVED.  
REGIONS 4007 (S14E10) AND 4005 (S11E28) CONTINUE TO EXHIBIT  
MINOR FLARES HOWEVER GROWTH APPEARS TO HAVE SLOWED OR STOPPED  
IN THESE REGIONS ONLY REGION 4005 IS REPORTED TO HAVE  
MAINTAINED A DELTA MAGNETIC CONFIGURATION.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE  
LOW TO MODERATE. ISOLATED M-CLASS EVENTS ARE POSSIBLE FROM  
REGIONS 4005, 4007, 4010 AND THE POSSIBLE NEW REGION NE09.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD WAS  
AT ACTIVE TO MINOR STORM LEVELS AT MIDLATITUDE WITH A SHORT  
PERIOD, 29/1500UT TO 30/0130UT, OF MAJOR STORM CONDITIONS AT  
THE HIGH LATITUDE STATIONS. THE FIELD RETURNED TO ACTIVE LEVELS  
AND HAS REMAINED SO SINCE. AS NO MAJOR EVENTS HAVE OCCURRED  
DURING THE PAST 3 DAYS TO AFFECT THE GEOMAGNETIC FIELD THE  
FIELD IS FORECAST TO BE SLIGHTLY ACTIVE ON 31 DEC WITH  
UNSETTLED TO QUIET CONDITIONS FOR THE REST OF THE FORECAST  
PERIOD.

III. EVENT PROBABILITIES 01 DEC-03 DEC

CLASS M	40/40/40
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	29 NOV	166
ESTIMATED	30 NOV	165
PREDICTED	01 DEC-03 DEC	165/165/160
90 DAY MEAN	29 NOV	165

V. GEOMAGNETIC A INDICES

OBSERVED AFR	23 NOV	024	AP 29 NOV	036
ESTIMATED AFR	29 NOV	025	AFR/AP 30 NOV	014/020
PREDICTED AFR/AP	01 DEC-03 DEC	015/015-010/010-010/010		

SOLTERWARN

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HFUS 3 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 334B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 30 NOV 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/1200Z TO 30/2100Z: SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 9 HOURS. FRAGMENTATION OF THE LARGE LEADER SPOT IN REGION 4005 (S11E22) HAS DISSOLVED ITS DELTA MAGNETIC CONFIGURATION. REGION 4007 (S15E02) IS CONTINUING TO DEVELOP SLOWLY WITH NEW FLUX EMERGING IN ITS SOUTHWEST PORTION. TRAILER SPOTS HAVE ROTATED OVER THE NORTHEAST LIMB MAKING REGION 4010 (N10E72) AN APPARENT E-TYPE GROUP. OTHER REGIONS ON THE DISK ARE UNCHANGED AND QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW BUT WITH THE POSSIBILITY OF AN M-CLASS EVENT FROM REGIONS 4005, 4007, OR 4010.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED FOR THE PAST 9 HOURS. UNSETTLED TO QUIET CONDITIONS ARE NOW EXPECTED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 01 DEC-03 DEC

CLASS M 40/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 NOV 170

PREDICTED 01 DEC-03 DEC 165/165/160

90 DAY MEAN 30 NOV 165

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 29 NOV 026/036

ESTIMATED AFR/AP 30 NOV 015/020

PREDICTED AFR/AP 01 DEC-03 DEC 015/015-010/010-010/010

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