

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 ACCCOMPANIED 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 NEAR N09.

III. 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 01 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 23 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

SOLTERWARN

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