

HFUS 1 BOU 241300
 FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
 SDF NUMBER 323A
 JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
 ISSUED 1300Z 24 NOV 1981
 IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
 23/1200Z TO 24/1200Z: SOLAR ACTIVITY HAS BEEN LOW. REGION 3471
 (N13W50) IS DECAYING BUT STILL CONTAINS SOME MAGNETIC
 COMPLEXITY. IT HAS PRODUCED ONLY SMALL CLASS C FLARES IN THE
 PAST 43 HOURS. REGIONS 3461 (S05W75) AND 3475 (N07E45) ARE ALSO
 DECAYING. THEY HAVE PRODUCED ONLY ONE SMALL SUBFLARE APIECE. A
 NEW REGION AT S08 EAST LIMB APPEARS TO BE THE RETURN OF
 PREVIOUSLY ACTIVE REGION 3432. NO ACTIVITY HAS BEEN REPORTED IN
 THIS REGION.
 IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
 REMAIN LOW, WITH ONLY AN ISOLATED M EVENT POSSIBLE FROM REGION
 3471 OR THE NEW REGION AT S03 EAST LIMB.
 II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
 BEEN UNSETTLED. UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED
 25-26 NOV AS A RESULT OF THE FLARE, DISAPPEARING FILAMENT AND
 CORONAL HOLE OBSERVED ON 22 NOV. A PARTICLE ENHANCEMENT, AT
 SATELLITE ALTITUDES, BEGAN 23/0400Z AND ENDED 24/0100Z. IT DID
 NOT REACH EVENT LEVELS.
 III. EVENT PROBABILITIES 25 NOV-27 NOV
 CLASS M 25/25/25
 CLASS X 01/01/01
 PROTON 01/01/01
 PCAF GREEN
 IV. OTTAWA 10.7 CM FLUX
 OBSERVED 23 NOV 156
 ESTIMATED 24 NOV 154
 PREDICTED 25 NOV-27 NOV 160/164/133
 90 DAY MEAN 23 NOV 222
 V. GEOMAGNETIC A INDICES
 OBSERVED AFR 22 NOV 009 AP 23 NOV 023
 ESTIMATED AFR 23 NOV 012 AFR/AP 24 NOV 003/015
 PREDICTED AFR/AP 25 NOV-27 NOV 020/023-015/023-010/012
 SOLTERWARN
 BT

HXUS BOU 241300
 PREDM 02525 02525 02527
 PREDX 00125 00125 00127
 PREDP 00125 00125 00127
 PCAFI 00125
 TENCN 16025 16425 16327
 AFRED 02025 01526 01027
 AFAPF 02825 02326 01227
 KKK 22344 43323 44333
 BT

HFUS 3 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 323B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 24 NOV 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/1200Z TO 24/2100Z: SOLAR ACTIVITY CONTINUED AT LOW LEVELS DURING THIS PERIOD. THERE ARE NOW ONLY SIX SPOTTED REGIONS ON THE DISK. REGION 3475 (N03E37) PRODUCED A FEW FLARES, THE LARGEST BEING A 1N/C3 EVENT AT 2040Z. NEW REGION 3477 (S07E76) IS NOT FAR ENOUGH FROM THE EAST LIMB TO DETERMINE ITS FLARE POTENTIAL, BUT ITS SIZE IS DEFINITELY GREATER THAN ANYTHING ELSE ON THE DISK.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT LOW LEVELS. THIS FORECAST COULD CHANGE WHEN MORE DATA ON REGION 3477 BECOME AVAILABLE.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN QUIET OR UNSETTLED THE LAST 9 HOURS. ACTIVE CONDITIONS ARE FORECAST FOR 25-26 NOVEMBER.

III. EVENT PROBABILITIES 25 NOV-27 NOV

CLASS M 25/30/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 NOV 154

PREDICTED 25 NOV-27 NOV 160/164/163

90 DAY MEAN 24 NOV 220

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 NOV 013/023

ESTIMATED AFR/AP 24 NOV 003/012

PREDICTED AFR/AP 25 NOV-27 NOV 020/023-015/023-010/012

SOLTERWARN

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HYUS BOU 242200

PREDY 002525 003025 010027

PREDY 00125 00125 00127

PREDP 00125 00125 00127

PCAF 00125

TENCM 16025 16425 16827

AFRED 002025 01525 01027

AFAPF 002325 00325 01227

BT