

HFUS~~1~~ BOU 011300

FROM SPACE ENVIRONMENT SERVICES CENTER. BOULDER. COLORADO

SDF NUMBER 001A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 01 JAN 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
31/1200Z TO 01/1200Z: SOLAR ACTIVITY APPROACHED MODERATE LEVELS  
DURING THE PAST 24 HOURS AS A SINGLE M3/SN EVENT WAS RECORDED.  
THIS EVENT WAS PRODUCED BY REGION 3522 (N20W79) WHICH  
REPORTEDLY CONTAINS A DELTA CONFIGURATION BUT IS OTHERWISE  
SMALL AND UNIMPRESSIVE. REGIONS 3534 (N10E48) AND 3535 (S15E66)  
WERE NUMBERED DURING THE PAST 24 HOURS BUT LIKE THE REST OF THE  
DISK FEATURES THEY REMAIN SMALL AND SIMPLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE  
BASICALLY LOW BUT ANOTHER ISOLATED M EVENT IS POSSIBLE.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD WAS  
AT MINOR STORM LEVELS EARLY ON 31 DEC BECOMING QUIET BY THE END  
OF THE DAY. THE FIELD SHOULD BE UNSETTLED DURING THE NEXT 24  
HOURS BUT COULD BECOME ACTIVE ON 3 JAN.

III. EVENT PROBABILITIES 02 JAN-04 JAN

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 DEC 189

ESTIMATED 01 JAN 193

PREDICTED 02 JAN-04 JAN 195/195/195

90 DAY MEAN 31 DEC 214

V. GEOMAGNETIC A INDICES

OBSERVED AFR 30 DEC 023 AP 31 DEC 017

ESTIMATED AFR 31 DEC 020 AFR/AP 01 JAN 009/009

PREDICTED AFR/AP 02 JAN-04 JAN 010/009-015/015-015/015

SOLTERWARN

BT

HXUS BOU 011300

PREDM 02002 02003 02004

PREDX 00102 00103 00104

PREDP 00102 00103 00104

PCAFT 00102

TENCM 19502 19503 19504

AFRED 01002 01503 01504

AFAPF 00902 01503 01504

KKK 22343 33213 34333

BT

NNNNZCVZDZEZGVZLVZOUU

KBOU

HFUS 3 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 001B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 01 JAN 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/1200Z TO 01/2100Z: SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 9 HOURS. NEW REGION 3536(N22E29) DEVELOPED EAST OF 3531 (N23E18) AND BOTH HAVE BEEN PRODUCING SUBFLARES. REGION 3522 (N20W88) IS SURGING AS IT APPROACHES WEST LIMB PASSAGE. A SMALL, SPOTLESS REGION AT N10E32 WHICH IS JUST WEST OF 3534 (N10E41) PRODUCED A SUBFAINT FLARE AT 1625 Z AND HAS THEREFORE BEEN NUMBERED AS REGION 3537. AN ACTIVE SURGE REGION IS BEING REPORTED NEAR SOUTH 33 ON THE EAST LIMB.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW WITH ONLY A SLIGHT PROBABILITY OF AN M-CLASS FLARE OVER THE NEXT THREE DAYS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST 9 HOURS. UNSETTLED TO SLIGHTLY ACTIVE CONDITIONS ARE EXPECTED TO PERSIST THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 02 JAN-04 JAN

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 JAN 186

PREDICTED 02 JAN-04 JAN 183/180/180

90 DAY MEAN 01 JAN 214

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 31 DEC 018/017

ESTIMATED AFR/AP 01 JAN 009/009

PREDICTED AFR/AP 02 JAN-04 JAN 010/009-015/015-015/015

SOLTERWARRNNNN