

HFXUS 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 UNSETLED 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 UNSETLED DURING THE PAST 9 HOURS. UNSETLED 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

SOLTERWARNNNNN