

HFUS 1 BOU 111300
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 011A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 11 JAN 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/1200Z TO 11/1200Z: SOLAR ACTIVITY HAS BEEN LOW. REGION 3537 (N08W94) PRODUCED BRIGHT SURGES ON THE LIMB, ACCCOMPANIED BY SMALL CLASS C XRAY EVENTS, THROUGHOUT THE DAY. THE LARGEST WAS A C7/BSL AT 11/0643Z WHICH LATER RETURNED TO THE SURFACE IN A LOOP PROMINENCE SYSTEM. THIS REGION WILL RETURN ON 24 JAN. REGION 3545 (S17W47) IS GROWING IN SPOT AREA AND COMPLEXITY BUT HAS PRODUCED ONLY SMALL SUBFLARES. ALL OTHER REGIONS ARE STABLE OR DECLINING.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW WITH A SLIGHT INCREASE POSSIBLE IF REGION 3545 CONTINUES TO DEVELOP.

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

III. EVENT PROBABILITIES 12 JAN-14 JAN

CLASS M 10/15/15

CLASS X 01/01 01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 JAN 151

ESTIMATED 11 JAN 141

PREDICTED 12 JAN-14 JAN 135/125/120

90 DAY MEAN 10 JAN 210

V. GEOMAGNETIC A INDICES

OBSERVED AFR 09 JAN 003 AP 10 JAN 003

ESTIMATED AFR 10 JAN 003 AFR/AP 11 JAN 006/010

PREDICTED AFR/AP 12 JAN-14 JAN 010/009-008/008-008/008

SOLTERWARN

BT

HXUS BOU 111300

PREDM 01012 01513 01514

PREDX 00112 00113 00114

PREDP 00112 00113 00114

PCAF 00112

TENCM 13512 12513 12014

AFRED 01012 00813 00814

AFAPP 00912 00813 00814

KKK 22232 22222 33222

BT

BT

HFUS 3 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 011B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 11 JAN 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
11/1200Z TO 11/2100Z: SOLAR ACTIVITY HAS DECREASED EVEN FURTHER
AND IS NOW AT VERY LOW LEVELS. THERE ARE ONLY FOUR SPOTTED
REGIONS ON THE SOLAR DISK NOW. ONE NEW REGION WAS NUMBERED
TODAY, REGION 3549 AT S07E64. OTHERWISE, THE EASTERN SOLAR
HEMISPHERE IS SPOTLESS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
CONTINUE AT LOW TO VERY LOW LEVELS. ONLY REGION 3545 (S18W55)
HAS ANY CHANCE OF PRODUCING AN M-CLASS EVENT.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN QUIET AND IS FORECAST TO BE QUIET TO UNSETLED FOR AT
LEAST THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 12 JAN-14 JAN

CLASS M 10/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 JAN 141

PREDICTED 12 JAN-14 JAN 135/130/125

90 DAY MEAN 11 JAN 209

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 JAN 002/003

ESTIMATED AFR/AP 11 JAN 004/005

PREDICTED AFR/AP 12 JAN-14 JAN 010/009-008/008-008/008

SOLTERWARN

BT

HXUS BOU 112200

PREDM 01012 01513 01514

PREDX 00112 00113 00114

PREDP 00112 00113 00114

PCAF 00112

TENCM 13512 13013 12514

AFRED 01012 00813 00814

AFAPF 00912 00813 00814

BT