

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, ACCOMPANIED 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

PCAFT 00112

TENCM 13512 12513 12014

AFRED 01012 00813 00814

AFAPF 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 UNSETTLED 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
 PCAFT 00112
 TENCM 13512 13013 12514
 AFRED 01012 00813 00814
 AFAPF 00912 00813 00814
 BT