

HFUS 1 BOU 191300
 FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
 SDF NUMBER 323A
 JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
 ISSUED 1300Z 19 NOV 1981
 IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
 18/1200Z TO 19/1200Z: SOLAR ACTIVITY REMAINS LOW. THE LARGEST
 EVENT DURING THE PAST 24 HOURS WAS A C3/ERUPTIVE PROMINENCE AT
 19/0243Z MAXIMUM. THE EPL (LOCATED AT N17W90) WAS ASSOCIATED
 WITH DEPARTING REGION 3451. A MODERATE TYPE II SWEEP WAS
 FOLLOWED BY A MOVING TYPE IV, INDICATING A FAIRLY ENERGETIC
 FLARE FROM BEHIND THE LIMB. REGIONS 3451 (S34W08) AND 3467
 (S17W42) PRODUCED MOST OF THE DISK ACTIVITY, BUT PRIMARILY
 SUBFLARES. REGION 3467 DID PRODUCE A C4/1N AT 18/1651Z MAXIMUM.
 THIS REGION IS STILL GROWING SLOWLY, BUT IS EXPECTED TO
 STABILIZE IN THE NEXT 12 HOURS. REGION 3451 IS DECLINING
 SLOWLY. EASTERN HEMISPHERE REGIONS HAVE REMAINED UNIMPRESSIVE
 AS WELL AS THE EAST LIMB.
 IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE
 LOW. REGION 3467 NOW APPEARS TO BE THE ONLY DISK REGION WITH
 ANY M-CLASS FLARE POTENTIAL AT ALL, AND ONLY VERY ISOLATED
 EVENTS AT THAT. SOLAR INDICES SHOULD CONTINUE TO FALL.
 II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD WAS
 ACTIVE DURING THE LAST 12 HOURS OF 18 NOV, BUT THEN MANAGED TO
 FINALLY SETTLE DURING THE FIRST HALF OF TODAY. UNSETTLED LEVELS
 ARE EXPECTED FOR THE REMAINDER OF THIS ZULU DAY, WITH EVEN
 QUIETER CONDITIONS FORECAST FOR TOMORROW. ACTIVITY COULD PICK
 UP AGAIN ON 21 NOV WITH THE INFLUENCE OF A SMALL CORONAL HOLE
 COMBINED WITH THE AFFECTS OF THE M2/1B FLARE IN REGION 3467 ON
 18/0416Z.
 III. EVENT PROBABILITIES 20 NOV-22 NOV
 CLASS M 30/20/20
 CLASS X 01/01/01
 PROTON 01/01/01
 PCAF GREEN
 IV. OTTAWA 10.7 CM FLUX
 OBSERVED 18 NOV 167
 ESTIMATED 19 NOV 160
 PREDICTED 20 NOV-22 NOV 150/143/144
 30 DAY MEAN 18 NOV 227
 V. GEOMAGNETIC A INDICES
 OBSERVED AFR 17 NOV 028 AP 18 NOV 022
 ESTIMATED AFR 18 NOV 022 AFR/AP 19 NOV 012/015
 PREDICTED AFR/AP 20 NOV-22 NOV 007/014-015/012-015/012
 SOLTERWARN
 BT

HXUS BOU 191300
 PREDM 03020 02021 02022
 PREDX 00120 00121 00122
 PREDP 00120 00121 00122
 PCAFT 00120
 TENCN 15020 14321 14422
 AFRED 00720 01521 01522
 AFAPF 01420 01221 01222
 KKK 33222 22222 24333
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HFUS 3 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 323B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 19 NOV 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
19/1200Z TO 19/2100Z: SOLAR ACTIVITY WAS LOW FOR THE PAST 9
HOURS. REGION 3467 (S17W50) HAS NOT GROWN APPRECIABLY SINCE
EARLY TODAY. ITS SPOT GROUP IS A SIMPLE CLASS D GROUP. REGION
3471 (N13E10) IS GROWING AND MAY HAVE A RUDIMENTARY DELTA
CONFIGURATION. RADIO SCANS SHOW A QUIET EAST LIMB.

IB. SOLAR ACTIVITY FORECAST: ACTIVITY IS EXPECTED TO REMAIN LOW
FOR THE NEXT THREE DAYS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN UNSETTLED FOR THE PAST NINE HOURS. CONDITIONS ARE EXPECTED
TO BECOME QUIET BEFORE ACTIVE CONDITIONS OCCUR ON 21 NOV AS A
RESULT OF A CORONAL HOLE RELATED DISTURBANCE.

III. EVENT PROBABILITIES 20 NOV-22 NOV

CLASS M 30/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 12.7 CM FLUX

OBSERVED 19 NOV 161

PREDICTED 20 NOV-22 NOV 150/143/144

90 DAY MEAN 19 NOV 226

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 NOV 024/024

ESTIMATED AFR/AP 19 NOV 012/015

PREDICTED AFR/AP 20 NOV-22 NOV 007/013-015/015-015/015

SOLTERWARN

BT

NNNNZ

2152

HR401 APLM 192150

RADOP

94302 11119 30101

11111 22150 07/777 99899