

HFUS 1 BOU 171300
 FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
 SDF NUMBER 290A
 JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
 ISSUED 1300Z 17 OCT 1982
 IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
 16/1200Z TO 17/1200Z: SOLAR ACTIVITY REMAINS LOW. ONLY FOUR
 SMALL CLASS C EVENTS HAVE BEEN OBSERVED DURING THE PAST 24
 HOURS. REGIONS 3950 (S07E19) AND 3946 (S09W67) WERE RESPONSIBLE
 FOR THESE EVENTS AND IT APPEARS THAT CLASS C ACTIVITY IS THE
 EXTENT OF THEIR CAPABILITIES. ALL OF THE VISIBLE DISK REGIONS
 ARE DECLINING.
 IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
 CONTINUE AT A LOW LEVEL.
 II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
 BEEN UNSETTLED TO ACTIVE. UNSETTLED TO ACTIVE CONDITIONS SHOULD
 CONTINUE AS THE FIELD REMAINS UNDER THE INFLUENCE OF A CORONAL
 HOLE.
 III. EVENT PROBABILITIES 18 OCT-20 OCT
 CLASS M 10/10/10
 CLASS X 01/01/01
 PROTON 01/01/01
 PCAF GREEN
 IV. OTTAWA 10.7 CM FLUX
 OBSERVED 16 OCT 131
 ESTIMATED 17 OCT 130
 PREDICTED 18 OCT-20 OCT 132/133/134
 90 DAY MEAN 16 OCT 160
 V. GEOMAGNETIC A INDICES
 OBSERVED AFR 15 OCT 006 AP 16 OCT 013
 ESTIMATED AFR 16 OCT 015 AFR/AP 17 OCT 015/015
 PREDICTED AFR/AP 18 OCT-20 OCT 015/015-015/020-012/020
 SOLTERWARN
 BT

HXUS BOU 171300
 PRFDM 01018 01019 01020
 PREDX 00118 00119 00120
 PREDP 00118 00119 00120
 PCAFT 00118
 TENCM 13218 13319 13420
 AFRED 01518 01519 01220
 AFAPF 01518 02019 02020
 KKK 32343 32233 34433
 BT

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KBOU

HFUS 3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 290B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 OCT 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/1200Z TO 17/2100Z: SOLAR ACTIVITY WAS LOW AGAIN THIS PERIOD. REGION 3950 (S07E13) REMAINS THE MOST DOMINANT GROUP ON THE DISK, BUT PRODUCED NO FLARES DURING THE NINE HOUR PERIOD. THIS REGION CONTINUES ITS SLOW GROWTH WITH A SMALL ARCH FILAMENT SYSTEM VISIBLE, BUT ITS OVERALL COMPLEXITY AND MAGNETIC GRADIENT HAVE WEAKENED SOMEWHAT SINCE YESTERDAY. REGIONS 3948 (N06W50) AND 3949 (N04W62) HAVE EACH PRODUCED ONE SUBFAINT FLARE DURING THE PERIOD. BOTH THESE REGIONS ARE DECLINING SLOWLY. TWO NEW REGIONS WERE NUMBERED TODAY, REGION 3952 (N16E04), A SIMPLE UNIPOLAR GROUP, AND 3953 (N16E21), A GROWING B-TYPE GROUP. EAST LIMB ACTIVITY HAS CONSISTED OF MINOR SURGING AT SE05 AND A SLIGHTLY ACTIVE LONG PROMINENCE AT SE27.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW. SEVERAL SMALL PREVIOUSLY ACTIVE REGIONS (LAST ROTATION) SHOULD BEGIN THEIR EAST LIMB ROTATION ON THE LAST DAY OF THE FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE PERIOD. ACTIVE CONDITIONS ARE EXPECTED THROUGH THE NEXT 48 HOURS FOLLOWED BY A GRADUAL SETTLING OF THE FIELD ON THE THIRD DAY.

III. EVENT PROBABILITIES 18 OCT-20 OCT

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 OCT 131

PREDICTED 18 OCT-20 OCT 132/133/134

90 DAY MEAN 17 OCT 159

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 OCT 014/013

ESTIMATED AFR/AP 17 OCT 017/015

PREDICTED AFR/AP 18 OCT-20 OCT 015/015-015/020-012/020

SOLTERWAR N

BT

NNNNSV