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HFUS 1 BOU 180600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 261A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 18 SEPTEMBER 1973

IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. NO FLARES HAVE BEEN OBSERVED DURING THE PAST 24 HOURS. SMALL PROMINENCES HAVE BEEN OBSERVED ON THE SOUTH EAST LIMB.

IB. NO MAJOR ACTIVITY IS EXPECTED.

II. THE GEOMAGNETIC FIELD IS IN AN UNSETTLED CONDITION AND IS EXPECTED TO REMAIN UNSETTLED FOR SEVERAL DAYS.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

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KBOU HFUS 1 BOU 181310

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 261B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 18 SEPTEMBER 1973

IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. NO FLARES
HAVE BEEN OBSERVED DURING THE PAST 24 HOURS. NEW REGION 231
CONSISTING OF A SMALL PLAGE WITHOUT SPOTS HAS ROTATED ONTO THE
DISK AT N02E84. IT HAS PRODUCED FREQUENT BUT NON-FLARE INTENSITY
MOUNDS. OTHER REGIONS AND LIMBS HAVE BEEN QUIET.

IB. NO MAJOR ACTIVITY IS EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE LAST 24
HOURS BUT HAS BECOME UNSETTLED DURING THE LAST HOUR. THE FIELD
IS EXPECTED TO BE UNSETTLED TO ACTIVE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 18 SEPT - 20 SEPT

CLASS M 10/15/25

CLASS X 01/02/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 SEPT 81

PREDICTED 18 SEPT-20 SEPT 83/85/88

90-DAY MEAN 17 SEPT 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 SEPT 12

ESTIMATED 17 SEPT 08

PREDICTED 18 SEPT - 20 SEPT 10/18/20

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HFUS BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 261

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 18 SEPTEMBER 1973.

IA. SOLAR ACTIVITY HAS BEEN VERY LOW WITH ONLY ONE SUBFLARE
REPORTED IN THE PAST 24 HOURS. ALL OF THE DISK REGIONS ARE QUIET
AND SHOW NO MARKED CHANGES OR DEVELOPMENT. TWO SMALL NEW
REGIONS, 232 (N20W14) AND 233 (N10W32) REMAIN SPOTLESS PLAGES
AND HAVE PRODUCED NO ACTIVITY. REGION 227 (N15E28) IS DECLINING
SLOWLY IN WHITE LIGHT AND UNDERGOING MINOR PLAGE INTENSITY FLUC-
TUATIONS. NO SPOTS ARE OBSERVED IN REGION 231 (N02E76) WHICH
ROTATED OVER EAST LIMB AS THE RETURN OF REGION 208, AND THE REGION
IS WEAK.

IB. ONLY OCCASIONAL, NON-ENERGETIC SUBFLARES ARE EXPECTED FROM
THE REGIONS ON THE DISK (PROBABLY A LITTLE MORE FREQUENTLY THAN
DURING THE PRECEDING DAY). DURING THE NEXT COUPLE OF DAYS THE AREA
OF OLD REGIONS 203 AND 213 WILL BE RETURNING TO EAST LIMB, POSSIBLY
INCREASING FLARE ACTIVITY. HOWEVER, THE REGIONS HISTORIES AND SOME-
WHAT DIMINISHED EUV INTENSITY AT THE EAST LIMB LATITUDES OF THOSE
REGIONS (COMPARED TO CORRESPONDING POSITIONS AS THEY ROTATED BE-
HIND WEST LIMB) SUGGEST THAT THEIR POTENTIAL FOR ENERGETIC FLARE
ACTIVITY WILL BE RELATIVELY LOW.

II. THE GEOMAGNETIC FIELD IS UNSETTLED AND IS EXPECTED TO BECOME
SLIGHTLY MORE UNSETTLED THROUGH THE NEXT TWO DAYS. TOWARD THE END
OF THE FORECAST PERIOD THE MID-LATITUDE A-VALUE IS EXPECTED
TO RISE TO ACTIVE LEVELS WITH THE ONSET OF A RECURRENT GEOMAGNETIC
DISTURBANCE.

III. EVENT PROBABILITIES 19 SEP - 21 SEP.

CLASS M 10/15/15

CLASS X 01/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 18 SEP 084

PREDICTED 19 SEP - 21 SEP 086/088/091

90-DAY MEAN 18 SEP 090

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 17 SEP 11

ESTIMATED 18 SEP 08

PREDICTED 19 SEP - 21 SEP 12/16/24

SOLTERWARN

SPAN

BT