

HFUS 1 BOU 261300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 207A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 26 JUL 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/1200Z TO 26/1200Z: SOLAR ACTIVITY HAS BEEN VERY LOW. OBSERVATIONS HAVE BEEN LIMITED BY WEATHER, BUT REGIONS 3817(N17W70) AND 3824(N21W75) ARE SEEN IN DECLINE. REMAINING REGIONS ARE STABLE AND DO NOT APPEAR CAPABLE OF SIGNIFICANT ACTIVITY. RETURNING REGIONS WITHIN THE FORECAST PERIOD INCLUDE NONE EXPECTED TO CONTRIBUTE TO MAJOR ACTIVITY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE VERY LOW. ONLY OCCASIONAL SMALL FLARES MAY BE EXPECTED FROM VISIBLE REGIONS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TO NEAR MINOR STORM LEVELS. ACTIVITY IS EXPECTED TO DECLINE TOWARD QUIET LEVELS BY EARLY ON 28 JULY.

III. EVENT PROBABILITIES 27 JUL-29 JUL

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 JUL 105

ESTIMATED 26 JUL 096

PREDICTED 27 JUL-29 JUL 096/099/104

90 DAY MEAN 25 JUL 164

V. GEOMAGNETIC A INDICES

OBSERVED AFR 24 JUL 029 AP 25 JUL 026

ESTIMATED AFR 25 JUL 021 AFR/AP 26 JUL 022/022

PREDICTED AFR/AP 27 JUL-29 JUL 012/010-007/010-006/010

SOLTERWARN

BT

HFUS 3 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 207B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 26 JUL 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
26/1200Z TO 26/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW WITH NO
CLASS C FLARES BEING OBSERVED. TWO SMALL REGIONS HAVE EMERGED
IN THE SOUTHEAST QUADRANT AND HAVE BEEN NUMBERED 3826 (S14E13)
AND 3827 (S12E24). SLOW GROWTH HAS BEEN OBSERVED IN THESE
REGIONS. THE REMAINDER OF THE DISK HAS SHOWN LITTLE CHANGE FROM
YESTERDAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
LOW FOR THE NEXT THREE DAYS. NO SIGNIFICANT REGIONS ARE DUE TO
RETURN TO THE EAST LIMB DURING THE FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN ACTIVE. SOLAR WIND DATA INDICATE ONLY A MODERATE
SPEED/DENSITY STREAM IN THE EARTH'S NEIGHBORHOOD BUT WITH AN
INTERMITTENTLY STRONG SOUTHWARD DIRECTION. ACTIVE CONDITIONS
ARE EXPECTED TO CONTINUE THROUGH TODAY. SLIGHTLY UNSETTLED
CONDITIONS ARE PREDICTED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 27 JUL-29 JUL

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 JUL 099

PREDICTED 27 JUL-29 JUL 096/099/104

90 DAY MEAN 26 JUL 163

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 JUL 021/026

ESTIMATED AFR/AP 26 JUL 023/025

PREDICTED AFR/AP 27 JUL-29 JUL 012/010-007/010-006/010

SOLTERWARN

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HXUS BOU 262200

PREDM 01027 01028 01029

PREDX 00127 00128 00129

PREDP 00127 00128 00129

PCAFT 00127

TENCM 09627 09928 10429

AFRED 01227 00728 00629

AFAPF 01027 01028 01029

BT