

HFUS3 BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 143

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 23 MAY 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100
TO 23/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE
PAST 24 HOURS. REGION 4656 (N06W12) CONTINUES TO DECAY WHILE
REGION 4655 (S08W37) MAY HAVE GROWN SLIGHTLY. A SMALL SPOT
GROUP JUST OUT AHEAD OF REGION 4656 WAS NUMBERED REGION 4657
(N08W21). A FLURRY OF SMALL FLARES AND RADIO BURSTS EARLY IN
THIS ZULU DAY HAS SINCE DWINDLED TO ONLY AN OCCASIONAL SMALL
RADIO BURST. THE REMAINDER OF THE DISK AND LIMBS ARE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN AT A VERY LOW LEVEL FOR THE NEXT 24 HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 22/2100Z TO 23/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE UNSETTLED TO ACTIVE AS A CORONAL HOLE IS
EXPECTED TO IMPACT THE FIELD TOMORROW.

III. EVENT PROBABILITIES 24 MAY-26 MAY

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 MAY 078

PREDICTED 24 MAY-26 MAY 077/076/076

90 DAY MEAN 23 MAY 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 22 MAY 006/009

ESTIMATED AFR/AP 23 MAY 008/010

PREDICTED AFR/AP 24 MAY-26 MAY 015/020-020/025-015/020

SOLTERWARN

BT