

HFUS 3 BDU 032200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 003

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 03 JAN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/2100
TO 03/2100Z: THE SOLAR ACTIVITY HAS BEEN AT A VERY LOW LEVEL FOR
THE PAST 24 HOUR PERIOD. REGION 4384 (N15W54) PRODUCED 4
SUB-FLARES AND GREW INTO A CLASS "DS0" WITH 80 MILLIONTHS AREA.
IT HAD AN EXTENT OF 9 DEGREES AND 12 SPOTS. NO NEW REGIONS
WERE ASSIGNED TODAY. A DISAPPEARING FILAMENT WAS REPORTED FROM
N01E37.

IB. SOLAR ACTIVITY FORECAST: THE SOLAR ACTIVITY IS EXPECTED TO
BE AT A VERY LOW LEVEL THROUGH-OUT THE FORECAST PERIOD. REGION
4384'S REGENERATION CONTINUES TO PROVIDE A FAIR CHANCE OF LOW
LEVEL ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 02/2100Z TO 03/2100Z:
THE GEOMAGNETIC ACTIVITY HAS BEEN AT ACTIVE TO MINOR STORM
LEVELS WITH BRIEF MAJOR STORM LEVELS OBSERVED AT HIGH LATITUDE
SITES. THIS LEVEL OF ACTIVITY WAS SLIGHTLY BELOW RECURRENT
VALUES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC ACTIVITY IS
EXPECTED TO BE AT ACTIVE TO OCCASIONALLY MINOR STORM LEVELS,
WITH BRIEF MAJOR STORM LEVELS AT HIGH LATITUDE SITES DURING
NIGHT-TIME PERIODS. THIS CONTINUED ACTIVITY IS ATTRIBUTED TO
RECURRENCE.

III. EVENT PROBABILITIES 04 JAN-06 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 JAN 093

PREDICTED 04 JAN-06 JAN 094/095/095

90 DAY MEAN 03 JAN 098

SOLQUIET
MAGNIL

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 02 JAN 015/021

ESTIMATED AFR/AP 03 JAN 017/025

PREDICTED AFR/AP 04 JAN-06 JAN 015/020-015/015-015/020

SOLTERWARN

BT