

HFUS 3 BOU 032200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 093

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 03 APR 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/2100
TO 03/2100Z: SOLAR ACTIVITY HAS BEEN LOW. REGION 4127 (S17W31)
PRODUCED A C2/SB AT 1301Z WITH ACCOMPANYING MINOR CENTIMETRIC
BURSTS AND A C3/1N AT 1655Z. THE DELTA CONFIGURATION REMAINS IN
REGION 4127 WITH POSSIBLY AN INCREASE IN THE GRADIENT ACROSS
THE DELTA. REGION 4135 (S12E60) IS UNDERGOING A SLOW GROWTH.
REGION 4136 (S10W26) HAS EMERGED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 02/2100Z TO 03/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY ACTIVE DURING THE PAST
24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE UNSETTLED TO ACTIVE UNTIL THE LATTER HALF OF 06
APRIL WHEN THE EARTH SHOULD COME UNDER THE INFLUENCE OF THE
HIGH SPEED STREAM FROM A LARGE CORONAL HOLE WHICH CROSSED
CENTRAL MERIDIAN TODAY. THE FIELD SHOULD THEN REACH ACTIVE TO
MINOR STORM LEVELS WITH THE STRONGEST RESPONSES OCCURRING ON 07
APRIL.

III. EVENT PROBABILITIES 04 APR-06 APR

CLASS M 10/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 APR 100

PREDICTED 04 APR-06 APR 102/100/100

90 DAY MEAN 03 APR 127

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 02 APR 012/017

ESTIMATED AFR/AP 03 APR 016/015

PREDICTED AFR/AP 04 APR-06 APR 012/015-012/015-017/020

SOLTERWARN

BT