

HFUS 3 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 083

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 24 MAR 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100
TO 24/2100Z: SOLAR ACTIVITY CONTINUED LOW DURING THIS PERIOD
WITH ONLY SMALL SF FLARES BEING OBSERVED. REGIONS 4121
(S12W38), 4120 (S12W04) AND 4116 (S07W57) EACH PRODUCED ONE SF
EVENT THIS PERIOD WITH ONLY A MINOR RISE IN THE X RAY
BACKGROUND. REGION 4115 (S11W81) CONTINUES TO DECAY IN AREA BUT
HAS RETAINED THE WEAK DELTA MAGNETIC CONFIGURATION IN THE
LEADER PORTION OF THE REGION. REGION 4116 HAS BEEN GENERALLY
STABLE THIS PERIOD. TWO NEW REGIONS WERE NUMBERED TODAY 4124
(N21W40) A B TYPE GROUP WITH AN ARCH FILAMENT SYSTEM AND 4125
(S10E78) A SIMPLE H TYPE GROUP AT THIS TIME.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN LOW DURING THIS FORECAST PERIOD. REGION 4115 IS EXPECTED
TO ROTATE OFF THE DISK WITHOUT PRODUCING ANY MAJOR EVENTS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 24/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE FIELD IS EXPECTED TO
REMAIN UNSETTLED DURING THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 25 MAR-27 MAR

CLASS M 10/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 MAR 112

PREDICTED 25 MAR-27 MAR 110/114/105

90 DAY MEAN 24 MAR 152

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 MAR 009/012

ESTIMATED AFR/AP 24 MAR 010/010

PREDICTED AFR/AP 25 MAR-27 MAR 008/015-010/015-010/015

SOLTERWARN

BT