

GETR 2 ANT /411//
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 064

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 05 MAR 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100
TO 05/2100Z: SOLAR ACTIVITY CONTINUED LOW THIS PERIOD THE
LARGEST EVENT OBSERVED WAS A C1/1N AT 05/1541UT FROM REGION
4108 (S13W05). REGIONS 4102 (S14W10), 4103 (S13W64) AND 4109
(S11E09) PRODUCED POINT BRIGHTNINGS EARLY IN THE PERIOD HOWEVER
THEY HAVE BEEN GENERALLY STABLE DURING THE LAST SIX HOURS. NO
NEW REGIONS HAVE BEEN REPORTED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
CONTINUE LOW DURING THIS FORECAST PERIOD. REGIONS CURRENTLY
CAPABLE OF ENERGIETIC ACTIVITY ARE 4104 (S19W01), 4108 AND 4105
(S08W20) HOWEVER THEY HAVE BEEN GENERALLY SIMPLE IN MAGNETIC
CONFIGURATION. RETURNING REGIONS WERE SMALL AND UNINTERESTING
LAST ROTATION AND LITTLE CHANGE IN THEM IS EXPECTED.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 04/2100Z TO 05/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN GENERALLY ACTIVE WITH PERIODS,
MOSTLY AT HIGH LATITUDES, OF MINOR STORM LEVELS. THE FIELD HAS
BEEN LESS ACTIVE DURING THE PAST SIX HOURS WITH GENERALLY
UNSETTLED TO ACTIVE LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE ACTIVE WITH SHORT PERIODS OF MINOR STORM LEVELS
DURING THE FIRST 40 HOURS OF THE FORECAST PERIOD. THE EFFECTS
OF THE CORONAL HOLE WILL LESSEN DURING THE LAST PORTION OF THE
FORECAST PERIOD GIVING UNSETTLED WITH ACTIVE PERIODS FOR THE
REST OF THE PERIOD.

III. EVENT PROBABILITIES 06 MAR-08 MAR

CLASS M 25/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 MAR 149

PREDICTED 06 MAR-08 MAR 147/144/139

90 DAY MEAN 05 MAR 153

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 MAR 016/024

ESTIMATED AFR/AP 05 MAR 027/025

PREDICTED AFR/AP 06 MAR-08 MAR 020/020-020/015-018/015

SOLTERWARN

BT