

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 163

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 12 JUN 1983

I.A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100 TO 12/2100Z:
SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS WITH ACTIVITY LIMITED TO CLASS C X-RAY AND SUB/OPTICAL FLARES.
REGION 4204 (S09W24) STILL HAS A WEAK MAGNETIC DELTA CONFIGURATION BUT IS DECAYING IN AREA. REGION 4205 (S10W04) HAS SHOWN SLIGHT GROWTH BUT APPEARS STABLE. NEW REGION 4207 (S27E66) WAS NUMBERED THIS PERIOD AND IS A H-TYPE GROUP.

ANOTHER REGION IS ROTATING ONTO THE DISK BETWEEN S04 AND S08. THIS REGION HAS NOT BEEN NUMBERED YET. IT WILL BE NUMBERED WHEN MORE INFORMATION IS OBTAINED ABOUT IT.

I.B. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN GENERALLY LOW THROUGHOUT THE FORECAST PERIOD ALTHOUGH ISOLATED MODERATE ACTIVITY IS POSSIBLE FROM REGION 4204.

I.IA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z:
THE GEOMAGNETIC FIELD WAS AT UNSETTLED TO SLIGHTLY ACTIVE LEVELS AT THE MID AND HIGH LATITUDE STATIONS IN THE PAST 24 HOURS.

I.IB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY SHOULD BE AT ACTIVE LEVELS THROUGHOUT THE FORECAST PERIOD. INCREASED ACTIVE CONDITIONS SHOULD OCCUR ON THE 15TH OF JUNE DUE TO A SOLAR FILAMENT WHICH DIAPPEARED BETWEEN 9 AND 10 JUNE.

III. EVENT PROBABILITIES 13 JUN-15 JUN

CLASS M 20/20/15

CLASS X 05/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 JUN 131

PREDICTED 13 JUN-15 JUN 125/125/120

90 DAY MEAN 12 JUN 128

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 JUN 012/015

ESTIMATED AFR/AP 12 JUN 018/020

PREDICTED AFR/AP 13 JUN-15 JUN 015/015-015/015-020/015

SOLTERWARN

BT