

HFUS 1 BDU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 144

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 24 MAY 1979

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1761 (S22W15) HAD TWO
SUBFLARES, A C-4/SB AT 1333 UT AND A C-1/SB AT 1741 UT. REGION
1756 (S21W00) HAD A SUBFLARE AT 0416. OTHERWISE NOT MUCH HAPPENED.
TWO NEW REGIONS APPEARED: 1767 (N13W54) AND 1768 (S33E67) ARE
BOTH C-TYPE GROUPS. OLD REGION 1720 HAS NOT RETURNED TO THE DISK
YET, AND IT IS NOW DOUBTFUL THAT IT WILL RETURN IN ANY ACTIVE FORM.
REGIONS 1750 (S15W48) AND 1764 (S30W82) ARE SPOTLESS. THE REST OF
THE DISK/LIMB IS LITTLE CHANGED.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW FOR THE FORECAST PERIOD. THE
NEXT ACTIVE REGION TO RETURN WOULD BE REGION 1727 ON MAY 30.

II. THE GEOMAGNETIC FIELD WAS AT MINOR STORM LEVELS AT THE BEGINNING
OF THE DAY BUT CONDITIONS ARE CURRENTLY UNSETTLED. CONDITIONS SHOULD
BE ACTIVE FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 25 - 27 MAY

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 MAY 159

PREDICTED 25 - 27 MAY 162/163/163

90-DAY MEAN 24 MAY 178

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 23 MAY 12

ESTIMATED AFR/AP 24 MAY 18/33

PREDICTED AFR/AP 25 - 27 MAY 16/25 19/30 18/20

SOLTERWARN

BT