

HFUS 1 BOU 262200 COR

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 146

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 26 MAY 1979

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1766 (N16E26) HAD A C-1/SB FLARE AT 19 00 UT. THIS REGION HAS OTHERWISE BEEN STABLE. SPOTLESS REGION 1760 (N25W62) HAD A SF FLARE AT 2047 UT. TWO OTHER SUBFLARES OCCURRED WHICH WERE UNASSOCIATED WITH SUNSPOT REGIONS: A SN FLARE LOCATED AT N25W40 AT 2223 UT, AND A SF FLARE LOCATED AT S21E56 AT 1942 UT. SEVERAL REGIONS HAVE GROWN: 1759 (N18W08) IS NOW AN E-TYPE GROUP, 1756 (S18W26) IS A D-TYPE GROUP, AND 1770 (N30W24) IS A D-TYPE GROUP. REGION 1761 (S21W40) HAS DECAYED TO A C-TYPE GROUP. THE REST OF THE DISK/LIMB IS QUIET.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW FOR THE NEXT SEVERAL DAYS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TO UNSETTLED. CONDITIONS SHOULD BE UNSETTLED WITH POSSIBLE ACTIVE CONDITIONS DURING THE NIGHT FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 27 - 29 MAY

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 MAY 145

PREDICTED 27 - 29 MAY 144/143/143

90-DAY MEAN 26 MAY 177

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 25 MAY 19

ESTIMATED AFR/AP 26 MAY 16/32

PREDICTED AFR/AP 27 - 29 MAY 13/20 10/20 08/10

SOLTERWARN

BT