

HFUS 1 80U 162200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER COLO

SDF NUMBER 136

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 16 MAY 1979

IA. SOLAR ACTIVITY HAS BEEN LOW WITH ONLY SMALL C-TYPE SUBFLARES DURING THE DAY. REGION 1743 (N15W43) HAS DECAYED SOMEWHAT, ALTHOUGH IT IS STILL AN E-TYPE GROUP. IT HAD TWO SUBFLARES. REGION 1729 (S21W67) HAS BEEN STABLE AND ALSO HAD TWO SUBFLARES. REGION 1740 (N15W17) HAS DECAYED TO A C-TYPE BETA GROUP. REGION 1747 (S30W15) HAS DECAYED A BIT IN SIZE, BUT IT IS STILL A D-TYPE GROUP. TWO NEW REGIONS HAVE APPEARED: 1751 (S10E67) AND 1752 (N16E63) ARE BOTH A-TYPE GROUPS. REGION 1749 (S29E17) IS SPOTLESS. THE REST OF THE DISK/LIMB IS LITTLE CHANGED. REGION 1742 AND 1748 ARE PART OF THE SAME REGION AND WILL BE DENOTED AS REGION 1742.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW. REGION 1743 HAS THE GREATEST POTENTIAL PRESENTLY.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED AT THE BEGINNING OF THE DAY BUT WAS QUIET FROM 0900 UT. CONDITIONS SHOULD BE QUIET FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 17 MAY - 19 MAY

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 MAY 172

PREDICTED 17-19 MAY 168/165/162

90-DAY MEAN 16 MAY 184

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 MAY 11

ESTIMATED AFR/AP 16 MAY 05/08

PREDICTED AFR/AP 17-19 MAY 07/08 - 07/10 - 10/16

SOLTERWARN

BT