

HFUS 1 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 163

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 12 JUNE 1979

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1781 (N20W89) HAD A C2/IN FLARE AT 0249 UT. ITS DECAY IS CONTINUING AS IT REACHES THE WEST LIMB; IT IS NOW A B-TYPE GROUP. REGION 1788 (S20W65) IS ALSO DECAYING SOMEWHAT. IT IS NOW A D-TYPE GROUP BUT RETAINS ITS BETA-DELTA CONFIGURATION. REGION 1796 (N17W08) HAS BEEN STABLE AND PRODUCED SOME TYPE III RADIO BURSTS THIS MORNING. THERE ARE FOUR NEW REGIONS: 1804 (S10W02) AND 1805 (S22W01) ARE C-TYPE GROUPS, 1806 (N09E16) IS AN A-TYPE GROUP, AND 1807 (N22E64) IS AN H-TYPE GROUP. REGION 1798 (N18W47) HAS REGENERATED SPOTS AND IS NOW A C-TYPE GROUP. THE REST OF THE DISK/LIMB IS LITTLE CHANGED.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE. WITH 1781 ROTATING OFF THERE IS LESS OF A CHANCE OF X-CLASS FLARES BUT THERE IS STILL A POSSIBILITY FOR M-CLASS EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED. CONDITIONS SHOULD BE UNSETTLED TO SLIGHTLY ACTIVE TOMORROW WITH QUIET TO SLIGHTLY UNSETTLED CONDITIONS FOR JUNE 14 AND 15.

III. EVENT PROBABILITIES 13 JUNE - 15 JUNE

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 05/05/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 JUNE 201

PREDICTED 13-15 JUNE 191/181/174

90-DAY MEAN 12 JUNE 181

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 JUNE 09

ESTIMATED AFR/AP 12 JUNE 06/10

PREDICTED AFR/AP 13-15 JUNE 12/12 - 08/10 - 08/10

SOLTERWARN

BT