

HFUS 1 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 110 118

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 28 APRIL 1979

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS. REGION 1705 (N16W04) PRODUCED ONLY MINOR C CLASS SUBFLARE ACTIVITY BUT REMAINS LARGELY UNCHANGED FROM ITS F-TYPE, BETA-DELTA MAGNETIC CONFIGURATION. REGION 1711 (N13E42) NOW INCLUDES YESTERDAY'S REGION 1713, WHICH WAS SEEN TODAY TO BE THE TRAILER PORTION OF THIS F-TYPE SPOT GROUP. TWO NEW REGIONS WERE NUMBERED. THEY ARE 1715 (S39W39) AND 1716 (N11E56). BOTH ARE SIMPLE B-TYPE GROUPS.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE TO HIGH OWING TO THE COMPLEXITY SEEN IN REGION 1705. REGIONS 1710 (N24E31) AND 1711 ARE ALSO POTENTIAL PRODUCERS OF ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE FOR THE PAST 24 HOURS WITH PERIODS AT MINOR STORM LEVELS. A GEOMAGNETIC STORM ASSOCIATED WITH THE X1 FLARE ON 27/0652 UT HAS NOT YET OCCURED, BUT IT IS EXPECTED SOON. THE FIELD SHOULD REMAIN AT MINOR STORM LEVELS FOR THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 29 APRIL - 01 MAY

CLASS M 85/85/85

CLASS X 35/35/30

PROTON 35/35/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 APRIL 194

PREDICTED 29 APRIL - 01 MAY 196/196/194

90-DAY MEAN 28 APRIL 190

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 APRIL 22

ESTIMATED AFR/AP 28 APRIL 25/33

PREDICTED AFR/AP 29 APRIL - 01 MAY 35/38 - 40/48 - 35/45

SOLTERWARN

BT