

HFUS 1 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 116

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 26 APRIL 1979

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS.
REGION 1705 (N17E24) IN CONJUNCTION WITH REGION 1707 (S26E34)
PRODUCED AN MIX-RAY EVENT AT APPROXIMATELY 2130Z YESTERDAY.
REGION 1705 FLARED FIRST WITH A SB MAXING AT 2137Z. REGION 1707
HAD A SYMPATHETIC 2B FLARE WHICH MAXED AT 2140Z. A TYPE TWO SWEEP
AND RADIO BURSTS WERE ASSOCIATED WITH THIS EVENT. REGION 1705
CONTINUED TO PRODUCE FLARES THROUGH THE ZULU DAY, WITH THE NEXT
LARGEST A C7/1B FLARE MAXING AT 2011Z. REGION 1705 CONTINUES TO
GROW SLOWLY, IS NOW A BETA GAMMA AND STILL SHOWS SIGNS OF
POLARITY INTRUSIONS INTO THE LARGE LEADER SPOT. REGION 1707, 1710
(N23E56) AND NEW REGION 1712 (S31E46) HAVE ALSO PRODUCED SUBFLARES.
REGION 1711 (N15E68) NOW APPEARS TO BE A LARGE F-TYPE GROUP AS IT
BECOMES MORE VISIBLE ON THE DISK.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE OVER THE NEXT THREE DAYS
WITH GENERALLY MODERATE LEVELS FOR THE PERIOD. AT LEAST 1 M EVENT
CAN BE EXPECTED FROM REGION 1705 PER DAY WITH THE POSSIBILITY OF
ISOLATED M EVENT FROM REGIONS 1707 AND 1711 DURING THE PERIOD.

II. THE GEOMAGNETIC FIELD HAS RETURNED TO UNSETTLED CONDITIONS
FOLLOWING THE MAJOR STORM ON THE 25TH. THE FIELD IS EXPECTED TO
REMAIN UNSETTLED UNTIL 28 APRIL, THEN BECOME ACTIVE THROUGH THE
29TH AS A RESULT OF ANOTHER CORONAL HOLE AND SECTOR BOUNDARY
INTERSECTING THE EARTH.

III. EVENT PROBABILITIES 27 APRIL - 29 APRIL

CLASS M 30/40/50

CLASS X 01/05/05

PROT O 01/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 APRIL 182

PREDICTED 27 - 29 APRIL 185/187/187

90-DAY MEAN 26 APRIL 191

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 APRIL 69

ESTIMATED AFR/AP 26 APRIL 10/11

PREDICTED AFR/AP 27 - 29 APRIL 10/10 17/35 23/35

SOLTERWARN

BT