

HFUS 1 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 127

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 07 MAY 1979

IA. SOLAR ACTIVITY WAS LOW TODAY. YESTERDAY THERE WERE TWO M2
X-RAY CLASS FLARES AT 2205Z AND 2334Z. THE LATTER CAME FROM
REGION 1727 (N24E21) AND WAS OPTICALLY A SUB-BRIGHT. THE
FORMER HAD NO OPTICAL REPORT. REGIONS 1724 (N22E29) AND 1727
REMAIN THE MOST PROBABLE SOURCES OF ENERGETIC FLARING, ALTHOUGH
ONLY SUBFLARES HAVE OCCURRED SINCE 0000Z. FOUR NEW REGIONS WERE
REPORTED, 1731 (N26W68), 1732 (S33E65), 1733 (S15E74), AND 1734
(N08E54).

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE. ALTHOUGH 1724
HAS PRODUCED NO SIGNIFICANT ACTIVITY, ITS MAGNETIC COMPLEXITY
SHOWS MODERATE POTENTIAL. THE 1711-1720 COMPLEX CONTINUES TO
SHOW PROMISE AS IT APPROACHES THE WEST LIMB.

II. THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED TODAY, BECOMING
ACTIVE DURING THE 1200-1500Z PERIOD. UNSETTLED CONDITIONS ARE
EXPECTED FOR THE NEXT THREE DAYS WITH ACTIVE PERIODS ON 10 MAY.

III. EVENT PROBABILITIES 08 MAY - 10 MAY

CLASS M 65/65/70

CLASS X 05/05/05

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 MAY 175

PREDICTED 08-10 MAY 180/180/176

90-DAY MEAN 07 MAY 188

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 MAY 07

ESTIMATED AFR/AP 07 MAY 11/14

PREDICTED AFR/AP 08-10 MAY 08/10 - 09/12 - 12/14

SOLTERWARN

BT