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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 176

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 25 JUNE 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. SUBFLARES AND CLASS C X-RAY
BURSTS HAVE OCCURRED IN SIX OF THE 12 SPOTTED REGIONS. MAJOR
SUNSPOT STRUCTURES EXIST IN REGIONS 1170 (N17W03), 1172 (S22E12),
AND 1176 (N23E24). FLARE ACTIVITY SHOULD BE PRIMARILY FROM THESE
REGIONS. A NEW REGION IS ROTATING ON TO THE DISK NEAR NE 15.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE. THESE
CONDITIONS ARE EXPECTED TO CONTINUE FOR THE NEXT 24-36 HOURS
WITH THE FIELD THEN BECOMING GENERALLY UNSETLED. THE SATELLITE
PROTON EVENT WHICH BEGAN NEAR 24/0900Z DECREASED TO THRESHOLD
VALUES NEAR 25/1500Z.

III. EVENT PROBABILITIES 26 JUNE - 28 JUNE

CLASS M 75/75/75

CLASS X 30/30/30

PROTON 30/30/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 JUNE 178

PREDICTED 26-28 JUNE 176/174/174

90-DAY MEAN 25 JUNE 146

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 JUNE 21

ESTIMATED AFR/AP 25 JUNE 14/18

PREDICTED AFR/AP 26-28 JUNE 15/24 - 12/12 - 12/10

SOLTERWARN

BT