

HFUS 1 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 179

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 28 JUNE 1979

IA. SOLAR ACTIVITY HAS BEEN LOW. NEW REGION 1840 (N18E70) HAS SHOWN RAPID GROWTH, PLAGE FLUCTUATIONS, POINT BRIGHTENINGS AND PRESENTLY CONTAINS A E-TYPE SPOT GROUP WITH AN ARCH FILAMENT SYSTEM IN THE TRAILER SECTION. REGION 1841 (S22E70) PRESENTLY DISPLAYS A LAGRE TRAILER SPOT BUT LIMB PROXIMITY HAS PREVENTED A DETAILED ANALYSIS. REGION 1832 (N19E31) HAS PRODUCED A SUBFLARE AND CONTAINS A D-TYPE SPOT CONFIGURATION. REGION 1837 (N05E67) HAS GROWN TO A C-TYPE GROUP AND CONTAINS A WEAK MAGNETIC GRADIENT. OTHER NEW REGIONS NOW VISIBLE ARE REGION 1838 (N20W38) AND REGION 1839 (S18W12). REGION 1822 (S1W24) HAS PRODUCED A SUBFLARE BUT NOT SHOWN ANY DEVELOPMENT DURING THE LAST 8 HOURS. ALL OTHER DISK AND LIMB FEATURES APPEAR QUIET AND STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW WITH THE INCREASING PROBABILITY OF A C-CLASS SUBFLARES AND ISOLATED M-CLASS EVENTS DURING THE NEXT 3 DAY PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO BE QUIET TO UNSETTLED DURING THE NEXT 3 DAY FORECAST PERIOD.

III. EVENT PROBABILITIES 29 JUNE - 1 JULY

CLASS M 20/30/40

CLASS X 01/01/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 JUNE 154

PREDICTED 29 JUNE - 1 JULY 161/167/172

90-DAY MEAN 28 JUNE 174

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 JUNE 07

ESTIMATED AFR/AP 28 JUNE 06/08

PREDICTED AFR/AP 29 JUNE - 1 JULY 05/08 07/10 06/08

SOLTERWARN

BT