

HFUS 1-BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 166

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 14 JUNE 1980

I A. SOLAR ACTIVITY HAS BEEN LOW. A M1 FLARE IN A SPOTLESS REGION
AT S10E61 (NUMBER 2515) IS THE MOST SIGNIFICANT EVENT OBSERVED.
IT SHOULD BE NOTED THAT LINE PROBLEMS IN THE SESOC TRANSMISSION
SYSTEM HAS CAUSED A LOSS OF ALL X-RAY DATA SINCE 132010 UT.
CHANGES IN THE VISIBLE DISK DURING THE PAST 24 HOURS CONSISTED
OF SPOT GROWTH IN REGIONS 2502 (N17W24), 2507 (S12E06) AND 2514
(N17E54); HOWEVER, MAGNETIC COMPLEXITY IN THESE REGIONS HAS
DECREASED OR STAYED THE SAME. SOME SMALL SURGES WERE OBSERVED ON
THE SE LIMB BUT NO SPOTS ARE VISIBLE IN THAT AREA AS YET.

IB. SOLAR ACTIVITY SHOULD REMAIN AT A GENERALLY LOW LEVEL.

II. THE GEOMAGNETIC FIELD IS UNSETTLED. QUIET TO UNSETTLED
CONDITIONS SHOULD PERSIST FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 15 JUNE - 17 JUNE

CLASS M 35/35/35

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 JUNE 208

PREDICTED 15-17 JUNE 186/190/198

90-DAY MEAN 14 JUNE 205

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 13 JUNE 3.1

ESTIMATED AFR/AP 14 JUNE 13/10

PREDICTED AFR/AP 15-17 JUNE 10/08 - 08/08 - 06/08

SOLTERWARN

BT