

HFUS 1 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SOF NUMBER 170

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 18 JUNE 1980

IA. SOLAR ACTIVITY REMAINS AT A LOW LEVEL. NO SIGNIFICANT FLARE ACTIVITY WAS REPORTED THE PAST 24 HOURS AND X-RAY LEVELS ARE STABLE AROUND THE C-1 LEVEL. THE LARGEST EVENT WAS A C3 APPARENTLY ASSOCIATED WITH FILAMENT ACTIVATION IN REGION 2517 (S12E40) AT 185 EZ. SOME RESTRUCTURING IS OCCURRING IN THIS AREA. REGION 2522 (S29E38) MAY BE GROWING SLOWLY AND CONTAINED THE BRIGHTEST FLARE ON THE DISK. LITTLE CHANGE OR ACTIVITY HAS BEEN REPORTED IN OTHER DISK REGIONS. SURGES HAVE BEEN REPORTED ON THE EAST LIMB NEAR N14. NEW REGIONS NUMBERED TODAY ARE: 2524 (N22E11), 2525 (S12E69), 2526 (S18E26), AND 2527 (S26E22). NOTE: COMMUNICATION LINES HAVE BEEN RESTORED.

IB. SOLAR ACTIVITY IS EXPECTED TO BE AT A LOW LEVEL THROUGH THE EARLY PART OF THE FORECAST PERIOD. SOME INCREASE MAY OCCUR AS REGIONS RETURN ON THE EAST LIMB. THE AREA AROUND 2517 SHOULD BE MONITORED FOR SIGNS OF REJUVENATION.

II. THE GEOMAGNETIC FIELD HAS BEEN VERY QUIET THE PAST 24 HOURS. CONDITIONS ARE EXPECTED TO BECOME UNSETTLED TO ACTIVE EARLY IN THE PERIOD. A CORONAL HOLE IS NOW NEAR NORTH CENTRAL MERIDIAN AND MAY PRODUCE DISTURBED CONDITIONS LATE IN THE PERIOD.

III. EVENT PROBABILITIES 19 JUNE - 21 JUNE

CLASS M 25/25/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 JUNE 201

PREDICTED 19-21 JUNE 206/210/210

90-DAY MEAN 18 JUNE 206

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 JUNE 02

ESTIMATED AFR/AP 18 JUNE 02/05

PREDICTED AFR/AP 19-21 JUNE 12/18 - 06/12 - 12/15

SOLTERWAPN

BT