

HFUS3 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 157

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 06 JUN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100 TO 06/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4660 (S09E44) PRODUCED A FEW B-LEVEL X-RAY EVENTS WITH SUB-FLARES. IT WAS A CAO (WHITE-LIGHT CLASSIFICATION). IT REMAINED A BETA-TYPE MAGNETICALLY AND SUPPORTED AN ARCHED FILAMENT SYSTEM. REGION 4662 (S14E41) REMAINED A HHX (WHITE-LIGHT CLASSIFICATION) WITH NO SIGNIFICANT CHANGE. THE 10.7 CM EAST-WEST RADIO SCAN CLEARLY DEPICTED A SIGNIFICANT ENHANCEMENT FROM THESE TWO REGION'S LONGITUDE POSITION. NEWLY ASSIGNED REGION 4663 (N02E75) WAS A CSO (WHITE-LIGHT CLASSIFICATION) WITH ONE C-LEVEL X-RAY EVENT AT 1517Z. IT EFFECTED A SMALL ENHANCEMENT ON THE EAST-WEST SCAN.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4663 PROVIDES A VERY SLIGHT CHANCE OF MODERATE LEVEL (M-LEVEL X-RAY) ACTIVITY. REGIONS 4660 AND 4662 ALSO PROVIDE SOME PROMISE OF SIGNIFICANT ACTIVITY DUE TO THEIR ENHANCED EAST-WEST SCAN READING.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z: GEOMAGNETIC ACTIVITY WAS AT ACTIVE TO MINOR STORM LEVELS. ONE MINOR STORM SHOCK AT ALL LATITUDES OCCURRED AT 1800Z. THIS IMPULSE WAS PROBABLY DUE TO THE DISAPPEARING FILAMENTS OF 1-3 JUN.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE ACTIVE. MINOR STORM LEVELS ARE POSSIBLE DURING LOCAL MID-NIGHT PERIODS THROUGH 7 JUN. THIS CONTINUED ACTIVITY IS EXPECTED IN RESPONSE TO THE DISAPPEARING FILAMENTS OF 1-3 JUN.

III. EVENT PROBABILITIES 07 JUN-09 JUN

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 JUN 085

PREDICTED 07 JUN-09 JUN 087/089/090

90 DAY MEAN 06 JUN 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 JUN 008/010

ESTIMATED AFR/AP 06 JUN 021/025

PREDICTED AFR/AP 07 JUN-09 JUN 015/020-010/015-010/015

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