

HFU63 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 168

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 JUN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100Z TO 17/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. REGIONS 4663 (S02W76), 4664 (S03W55) AND 4666 (S10W06) RETAIN THEIR SMALL SPOT GROUPS WHILE REGION 4667 NO LONGER HAS ANY SPOTS. TWO CLASS C BURSTS FROM REGION 4663 AND ONE FROM UNKNOWN SOURCES WERE THE ONLY ACTIVITY NOTED THIS PERIOD. A DISAPPEARING FILAMENT WAS REPORTED IN CONJUNCTION WITH ONE OF THE C TYPE BURST. THE REST OF THE DISK AND THE LIMBS ARE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN AT A VERY LOW LEVEL FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO SLIGHTLY UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT UNSETTLED TO SLIGHTLY ACTIVE LEVELS AS A RESULT OF FILAMENT DISRUPTIONS.

III. EVENT PROBABILITIES 18 JUN-20 JUN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 JUN 075

PREDICTED 18 JUN-20 JUN 074/073/072

90 DAY MEAN 17 JUN 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 JUN 003/008

ESTIMATED AFR/AP 17 JUN 009/015

PREDICTED AFR/AP 18 JUN-20 JUN 008/020-005/015-008/020

SOLTERWARN

BT