

HFUS3 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 170

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 18 JUN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/2100 TO 18/2100Z: SOLAR ACTIVITY HAS REMAINED LOW DURING THIS PERIOD. ONLY A FEW SMALL B CLASS EVENTS HAVE BEEN OBSERVED. REGION 4513 (S07W05) HAS EXHIBITED LITTLE SIZE CHANGE DURING THE PAST 24 HOURS HOWEVER IT HAS LOST THE WEAK DELTA MAGNETIC CONFIGURATION OF YESTERDAY. NO NEW REGIONS WERE OBSERVED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A LOW LEVEL DURING THIS FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 17/2100Z TO 18/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE TO STORM LEVELS DURING THE PAST 24 HOURS. DATA INDICATES THAT THE CURRENT DISTURBANCE IS DUE TO RECURRENT CORONAL HOLE HIGH SPEED STREAMS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN AT ACTIVE, SHORT PERIODS OF STORM CONDITIONS, LEVELS DURING THE FIRST TWO DAYS OF THIS FORECAST WITH THE LAST DAY AT UNSETTLED CONDITIONS.

III. EVENT PROBABILITIES 19 JUN-21 JUN

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 JUN 105

PREDICTED 19 JUN-21 JUN 104/102/099

90 DAY MEAN 18 JUN 123

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 17 JUN 011/017

ESTIMATED AFR/AP 18 JUN 025/025

PREDICTED AFR/AP 19 JUN-21 JUN 020/020-020/025-012/020

SOLTERWARN

BT