

HFUS3 BOU 212200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 173

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 21 JUN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 20/2100  
TO 21/2100Z: SOLAR ACTIVITY WAS LOW. REGION 4519 (S05W37)  
PRODUCED A C2/1N EVENT AT 21/1409Z WITH ACCOMPANYING TYPES II  
AND IV RADIO SWEEPS. REGION 4513 (S05W44) FLARED  
SYMPATHETICALLY AFTER AN EARLIER PRECURSIVE DISAPPEARING  
FILAMENT (S03W34 AT 21/1342Z; SEVEN DEGREES LONG). NO NEW  
REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE  
LOW. REGION 4513 AND/OR 4519 PROVIDE ONLY A VERY SLIGHT CHANCE  
OF MODERATE LEVELS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 20/2100Z TO 21/2100Z:  
GEOMAGNETIC ACTIVITY WAS ACTIVE TO UNSETTLED. THULE REPORTED  
BRIEF MINOR LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS  
EXPECTED TO BE UNSETTLED TO ACTIVE DURING THE FIRST AND SECOND  
DAYS (22-23 JUN). MINOR STORM LEVELS ARE EXPECTED DURING  
NIGHT-TIME PERIODS ON THE SECOND AND THIRD DAYS (23-24 JUN) DUE  
TO THE DISAPPEARING FILAMENT FROM S03W34 AT 21/1342Z. THE THIRD  
DAY (24 JUN) SHOULD BE AT ACTIVE TO MINOR STORM LEVELS BECAUSE  
OF THIS AND SLIGHTLY INCREASING RECURRENT ACTIVITY AT THESE  
CARRINGTON LONGITUDES. BRIEF MAJOR LEVELS ARE POSSIBLE DURING  
NIGHT-TIME PERIODS ON THIS THIRD DAY.

III. EVENT PROBABILITIES 22 JUN-24 JUN

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 JUN 098

PREDICTED 22 JUN-24 JUN 093/091/088

90 DAY MEAN 21 JUN 122

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 20 JUN 014/025

ESTIMATED AFR/AP 21 JUN 007/010

PREDICTED AFR/AP 22 JUN-24 JUN 015/015-020/025-025/030

SOLTERWARN

BT