

HFUS 3 ROT 282200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 149

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 28 MAY 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100  
TO 28/2100Z: SOLAR ACTIVITY WAS LOW. TWO NEW REGIONS WERE  
ASSIGNED: 4503 (S09E08) WAS A BETA-TYPE; 4504 (N23E54) WAS AN  
ALPHA-TYPE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE  
LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z:  
GEOMAGNETIC ACTIVITY WAS UNSETTLED TO ACTIVE. ONLY THULE  
REPORTED STORM LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS  
EXPECTED TO BE ACTIVE THE FIRST AND SECOND DAYS (29-30 MAY).  
THIS IS FORECAST DUE TO THE DISAPPEARING FILAMENT EVENT ON 26  
MAY. THE LEVELS IS EXPECTED TO DECREASE TO UNSETTLED-TO-ACTIVE  
LEVELS ON THE THIRD DAY (31 MAY).

III. EVENT PROBABILITIES 29 MAY-31 MAY

CLASS M 10/10/10  
CLASS X 01/01/01  
PROTON 01/01/01  
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 MAY 119  
PREDICTED 29 MAY-31 MAY 115/102/099  
90 DAY MEAN 28 MAY 127

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 MAY 007/014  
ESTIMATED AFR/AP 28 MAY 009/015  
PREDICTED AFR/AP 29 MAY-31 MAY 020/025-020/025-014/015

SOLTERWARN

BT

457  
0740Z