

HFUS 3 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 018

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 18 JAN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/2100  
TO 18/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW THIS PERIOD. THE  
LARGEST EVENT OF THE PERIOD WAS A B4/0N FLARE FROM REGION  
4393(S04E45) AT 18/0500Z MAXIMUM. NO REGIONS VISIBLE ON THE  
DISK APPEAR CAPABLE OF SIGNIFICANT ACTIVITY. NO NEW REGIONS  
HAVE BEEN REPORTED. NO RETURNING REGIONS ARE EXPECTED WITHIN  
THE FORECAST PERIOD. REGIONS ARE STABLE OR DECLINING WITH THE  
EXCEPTION OF SPOT REORGANIZATION AND SLIGHT RESTRUCTURING  
WITHIN REGION 4392(S13W48).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO  
CONTINUE VERY LOW FOR THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 17/2100Z TO 18/2100Z:  
THE GEOMAGNETIC FIELD HAS BEEN QUIET AT MIDLATITUDES CLOSELY  
FOLLOWING RECURRENCE OF ACTIVITY FROM THE PREVIOUS SOLAR  
ROTATION. HIGHER LATITUDE ACTIVITY HAS BEEN AT UNSETTLED TO  
NEAR QUIET LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS  
EXPECTED TO BE SLIGHTLY UNSETTLED AT MIDLATITUDES TO NEAR  
ACTIVE LEVEL AT HIGHER LATITUDES.

III. EVENT PROBABILITIES 19 JAN-21 JAN

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 JAN 098

PREDICTED 19 JAN-21 JAN 097/094/091

90 DAY MEAN 18 JAN 094

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 17 JAN 005/009

ESTIMATED AFR/AP 18 JAN 010/010

PREDICTED AFR/AP 19 JAN-21 JAN 010/015-010/015-012/015

SOLTERWARN

BT

CALCULAT