

HFUSS BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 267

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 23 SEP 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100
TO 23/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 22/2100Z TO 23/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN AT MINOR TO MAJOR STORM LEVELS.
THIS ACTIVITY IS POSSIBLY DUE TO THE COMBINED EFFECTS OF THE
FILAMENT MATERIAL THAT IMPACTED YESTERDAY, AND THE CORONAL HOLE
THAT WAS DUE TO ARRIVE ON THE 23RD OR 24TH OF SEPTEMBER.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
FORECAST TO BE AT ACTIVE TO MAJOR STORM LEVELS ON THE 24TH OF
SEPTEMBER. THIS ACTIVITY IS EXPECTED DUE TO THE HIGH SPEED
CORONAL STREAM MENTIONED IN THE PREVIOUS PARAGRAPH. THE FIELD
IS EXPECTED TO DECLINE TO GENERALLY ACTIVE LEVELS ON THE 25TH
AND 26TH. HOWEVER, SUBSTORM ACTIVITY IS POSSIBLE AT ALL
LATITUDES ON THE 25TH.

III. EVENT PROBABILITIES 24 SEP-26 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 SEP 076

PREDICTED 24 SEP-26 SEP 077/078/079

90 DAY MEAN 23 SEP 085

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 22 SEP 022/027

ESTIMATED AFR/AP 23 SEP 070/075

PREDICTED AFR/AP 24 SEP-26 SEP 030/030-020/025-017/020

SOLTERWARN

BT