

HFUS3 BOU 212200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 265

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

.....CORRECTED COPY:.....

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 20/2100  
TO 21/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. AN OPTICAL  
SUBFLARE, NOT ASSOCIATED WITH ANY DISTINCT ACTIVE AREA,  
OCCURRED AT APPROXIMATELY 0415UT NEAR S05, L-140. THERE WAS ONE  
NEW REGION NUMBERED TODAY AS REGION 4579 (S08W44). THIS REGION  
CONTAINS AN B-TYPE SPOT GROUP.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 20/2100Z TO 21/2100Z:  
THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE TO UNSETTLED LEVELS  
FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS  
EXPECTED TO CLIMB TO ACTIVE TO MINOR STORM LEVELS ON THE 22ND  
OF SEPTEMBER AND REMAIN AT THOSE LEVELS THROUGH THE 24TH.  
ACTIVITY ON THE 22ND IS EXPECTED DUE TO A DISAPPEARING FILAMENT  
THAT OCCURRED EARLY ON THE 18TH OF SEPTEMBER. ACTIVITY ON THE  
23RD AND 24TH IS EXPECTED BASED ON A HIGH SPEED CORONAL STREAM  
DUE TO ARRIVE SOMETIME ON THE 23RD OF SEPTEMBER.

III. EVENT PROBABILITIES 22 SEP-24 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 SEP 075

PREDICTED 22 SEP-24 SEP 076/077/078

90 DAY MEAN 21 SEP 086

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 20 SEP 017/024

ESTIMATED AFR/AP 21 SEP 010/020

PREDICTED AFR/AP 22 SEP-24 SEP 020/030-020/035-020/025

SOLTERWARN

BT