

HFUS 3. BOU-162200

FROM SPACE ENVIRONMENT SERVICES CENTE , BOULDER, COLORADO  
SDF NUMBER 289

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 16 OCT 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100  
TO 16/2100Z: THE SOLAR ACTIVITY HAS BEEN AT A MODERATE LEVEL FOR  
THE PAST 24 HOUR PERIOD. REGION 4335 (N21W52) PRODUCED AN M2/1B  
EVENT AT 16/2010UT. THIS REGION ALSO PRODUCED A 1100F.U. 245MHZ  
RADIO BURST EARLIER AT 16/1644UT WITH AN ASSOCIATED SUB-FAINT  
FLARE. REGION 4341 (S16E52) PRODUCED AN B8/1B EVENT AT  
16/1654UT. ONE NEW REGION 4342 (S16E52) WAS ASSIGNED. REGION  
4342 WAS A SINGLE ALPHA SPOT.

IB. SOLAR ACTIVITY FORECAST: THE SOLAR ACTIVITY IS EXPECTED TO  
BE AT A LOW LEVEL THROUGH THE FORECAST PERIOD. A FAIR CHANCE  
OF MODERATE LEVEL ACTIVITY IS POSSIBLE DUE TO THE ACTIVITY FROM  
REGION 4335.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z:  
THE GEOMAGNETIC ACTIVITY HAS BEEN AT ACTIVE TO MINOR STORM  
LEVELS FOR THE PAST 24 HOUR PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC ACTIVITY IS  
EXPECTED TO BE AT AN ACTIVE LEVEL THROUGH THE FORECAST PERIOD.  
BRIEF PERIODS OF MINOR STORM LEVEL ACTIVITY ARE EXPECTED AT  
HIGH LATITUDE SITES DURING THE NIGHT-TIME HOURS.

III. EVENT PROBABILITIES 17 OCT-19 OCT

CLASS M 35/30/25

CLASS X 02/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 OCT 112

PREDICTED 17 OCT-19 OCT 111/110/110

90 DAY MEAN 16 OCT 121

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 15 OCT 022/024

ESTIMATED AFR/AP 16 OCT 015/025

PREDICTED AFR/AP 17 OCT-19 OCT 015/020-015/015-015/015

SOLTERWARN

BT