

HFUS 3 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 297

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 24 OCT 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100  
TO 24/2100Z: SOLAR ACTIVITY REMAINED VERY LOW. REGION 4348  
(S21W54) WAS ADDED TODAY. ON THE KITT PEAK MAGNETOGRAM, THIS  
FLUX EMERGENCE SHOWS DISTINCTLY SEPARATE FROM PLAGE REGION 4342  
(S15W50). THE DAILY RISE/FALL OF SMALL SPOTS AND NEW REGIONS  
DEPICTS THE CURRENT AMBIVALENT MOOD OF THE SUN.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 24/2100Z:  
THE GEOMAGNETIC FIELD HAS BEEN ACTIVE WITH PERIODS AT STORM  
LEVEL DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE FIELD IS EXPECTED TO BE  
VARIABLE BUT GENERALLY AT AN ACTIVE LEVEL ON 25 OCTOBER AS  
EARTH COMES OUT OF THE INFLUENCE OF CORONAL HOLE ASSOCIATED  
HIGH SPEED STREAMS. THE FIELD IS EXPECTED TO BE UNSETTLED ON  
26-27 OCTOBER.

III. EVENT PROBABILITIES 25 OCT-27 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 OCT 090

PREDICTED 25 OCT-27 OCT 090/090/090

90 DAY MEAN 24 OCT 119

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 OCT 016/022

ESTIMATED AFR/AP 24 OCT 017/020

PREDICTED AFR/AP 25 OCT-27 OCT 015/015-010/010-008/010

SOLTERWARN

BT