

HFUS 3 BOU 162200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 137

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 16 MAY 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100  
TO 16/2100Z: SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL. VISIBLE  
DISK CHANGES HAVE BEEN MINIMAL. REGION 4481 (N09W57) CONTINUES  
ITS DECAYING TREND AND SMALL REGIONS CONTINUE TO DEVELOP  
RANDOMLY. REGION 4491 (N17W24) WAS NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO  
REMAIN LOW. OLD REGION 4474 IS EXPECTED BACK ON THE DISK ON 18  
MAY AT WHICH TIME A SLIGHT RISE IN THE ACTIVITY LEVEL MAY BE  
NOTED.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z:  
THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO SLIGHTLY ACTIVE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS  
EXPECTED TO CONTINUE UNSETTLED TO ACTIVE UNTIL 18 MAY THEN  
GENERALLY UNSETTLED.

III. EVENT PROBABILITIES 17 MAY-19 MAY

CLASS M	30/40/40
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	16 MAY	134
PREDICTED	17 MAY-19 MAY	131/128/125
90 DAY MEAN	16 MAY	130

V. GEOMAGNETIC A INDICES

OBSERVED	AFR/AP 15 MAY	010/014
ESTIMATED	AFR/AP 16 MAY	010/010
PREDICTED	AFR/AP 17 MAY-19 MAY	012/020-010/010-012/010

SOLTERWARN

BT