

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