

HFUS 3 POU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 148

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 27 MAY 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/2100
TO 27/2100Z: SOLAR ACTIVITY WAS LOW. REGION 4492 (S10W45)
PRODUCED A C1/0F EVENT AT 27/2023Z. IT CONTINUED TO DECAY IN
ALL CATAGORIES. REGION 4500 (S13E60) GREW IN ALL PARAMETERS AND
REMAINED A BETA-TYPE MAGNETICALLY. TWO NEW REGIONS WERE
ASSIGNED: REGION 4501 (S18E24) AND 4502 (S16W03) WERE BOTH
SIMPLE ALPHA-TYPES.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
LOW. REGION 4492 CONTINUES TO PROVIDE A SLIGHT CHANCE OF
MODERATE LEVEL ACTIVITY. REGION 4500'S GROWTH PROVIDES A VERY
SLIGHT CHANCE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 26/2100Z TO 27/2100Z:
GEOMAGNETIC ACTIVITY WAS AT ACTIVE TO UNSETTLED LEVELS. STORM
LEVELS WERE REPORTED AT HIGH LATITUDES AFTER 27/0600Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS
EXPECTED TO BE UNSETTLED TO ACTIVE THE FIRST DAY (28 MAY);
INCREASING TO MINOR STORM LEVELS THE LAST TWO DAYS (29/30 MAY).
THIS DISTURBANCE IS FORECAST DUE TO THE DISAPPEARING FILAMENT
EVENT OF 26 MAY.

III. EVENT PROBABILITIES 28 MAY-30 MAY

CLASS M	20/10/10
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	27 MAY	117
PREDICTED	28 MAY-30 MAY	112/106/098
90 DAY MEAN	27 MAY	128

V. GEOMAGNETIC A INDICES

OBSERVED	AFR/AP 26 MAY	015/022
ESTIMATED	AFR/AP 27 MAY	011/020
PREDICTED	AFR/AP 28 MAY-30 MAY	010/015-020/040-020/035

SOLTERWARN

BT