

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 CATEGORIES. 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

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