

HFUS 3 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 110

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 19 APR 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 18/2100 TO 19/2100Z: SOLAR ACTIVITY WAS LOW DURING THE PAST 24 HOURS. NO MAJOR CHANGES IN THE VISIBLE DISK REGIONS HAVE BEEN REPORTED. REGION 4469 (S16E09) CONTINUES TO DEVELOPE BUT AT A PACE THAT IS INSIGNIFICANT. REGION 4468 (N08W49) IS APPARENTLY SIMPLIFYING AS A DECLINE IN BOTH SPOT AREA AND SPOT NUMBER IS OCCURRING. SOME MARKED INCREASE IN THE AREA OF REGION 4471 (N04W60) HAS OCCURRED BUT IT REMAINS ONLY SEVEN SPOTS IN A SIMPLE BIPOLAR CONFIGURATION. REGION 4473 (S17W08) WAS NUMBERED TODAY AND IS GROWING SLOWLY ALTHOUGH A SMALL C TYPE GROUP AT PRESENT. THE REST OF THE DISK IS QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE GENERALLY LOW FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 18/2100Z TO 19/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE WITH THE ACTIVE CONDITIONS BEING MOSTLY MID ZULU DAY AND HIGH LATITUDE .

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO CONTINUE AT UNSETTLED TO ACTIVE LEVELS.

III. EVENT PROBABILITIES 20 APR-22 APR

CLASS M 45/30/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 APR 114

PREDICTED 20 APR-22 APR 112/110/115

90 DAY MEAN 19 APR 130

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 APR 010/012

ESTIMATED AFR/AP 19 APR 010/020

PREDICTED AFR/AP 20 APR-22 APR 015/020-015/025-015/020

SOLTERWARN

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