

HFUS3 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 217

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 04 AUG 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 03/2100 TO 04/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW THIS PERIOD. REGION 4552 (S17E01) PRODUCED SEVERAL OPTICAL SUBFLARES AND B LEVEL X-RAY FLARES. THIS REGION IS NOW IN IT'S DECAY PHASE AND HAS A C TYPE SPOT CLASSIFICATION. REGION 4454 (N09E63) HAS GROWN SLIGHTLY IN WHITE LIGHT AND IS NOW A C TYPE SPOT GROUP. REGION 4453 (S09E46) APPEARS UNCHANGED. NO NEW REGIONS WERE NUMBERED THIS PERIOD AND THE REMAINDER OF THE DISK APPEARS STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN VERY LOW THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 03/2100Z TO 04/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE LEVELS, AT ALL LATITUDES, THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE GENERALLY UNSETTLED TO ACTIVE, AT ALL LATITUDES, THROUGHOUT THE FORECAST PERIOD. STORM LEVELS MAY BE REACHED ON THE SECOND DAY IF THE EFFECTS OF THE DISAPPEARING SOLAR FILAMENT, THAT OCCURRED ON 03 AUGUST, DO ARRIVE.

III. EVENT PROBABILITIES 05 AUG-07 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 AUG 083

PREDICTED 05 AUG-07 AUG 084/085/084

90 DAY MEAN 04 AUG 104

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 03 AUG 016/021

ESTIMATED AFR/AP 04 AUG 014/020

PREDICTED AFR/AP 05 AUG-07 AUG 010/020-012/035-012/020

SOLTERWARN

BT