

HFUS3 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 219

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 06 AUG 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100 TO 06/2100Z: SOLAR ACTIVITY HAS BEEN LOW. THREE NEW REGIONS WERE NUMBERED TODAY. BOTH REGIONS 4555 (N07E32) AND 4556 (N02E35) EMERGED AS A-TYPE SPOT GROUPS. REGION 4557 (N11W74) WAS NUMBERED DUE TO IT PRODUCING AN OPTICAL SUBFLARE AROUND 1900Z. THE MOST COMPLEX GROUP IN ALL THE REGIONS IS A C-TYPE GROUP IN REGION 4554 (N07E40).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW FOR THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT QUIET TO UNSETTLED LEVELS AT MIDDLE LATITUDES AND AT UNSETTLED LEVELS AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT UNSETTLED LEVELS AT ALL LATITUDES ON THE 7TH AND 8TH OF AUGUST. SOMETIME ON THE 9TH INCREASED FIELD ACTIVITY IS EXPECTED TO OCCUR ASSOCIATED WITH THE PERSISTENT CORONAL HOLE THAT CAUSED SO MUCH ACTIVITY ON THE 13TH AND 14TH OF JULY. INTERPLANETARY SCINTILLATION DATA SHOWS THE PRESENCE OF A HIGH SPEED CORONAL STREAM WHICH CORRELATES WELL WITH THE POSITION OF THE RETURNING CORONAL HOLE.

III. EVENT PROBABILITIES 07 AUG-09 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 AUG 087

PREDICTED 07 AUG-09 AUG 088/088/088

90 DAY MEAN 06 AUG 103

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 AUG 009/013

ESTIMATED AFR/AP 06 AUG 009/015

PREDICTED AFR/AP 07 AUG-09 AUG 012/015-015/020-030/030

SOLTERWARN

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