

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 08/15/87 00:00:00

End : 08/15/87 23:59:00

08/15 22:00

2204

HFUS3 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 227

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 15 AUG 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 14/2100Z TO 15/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4841 (S30E31) HAD A BETA-DELTA MAGNETIC CONFIGURATION, BUT PRODUCED NO REAL SIGNIFICANT ACTIVITY DURING THE PERIOD. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4841 PROVIDES A VERY SLIGHT CHANCE OF MODERATE ACTIVITY DUE TO ITS BETA-DELTA CONFIGURATION. RETURNING REGION 4827 (S22, L-181) IS EXPECTED TO RETURN AS A SPOTLESS PLAGE AREA DURING THE FIRST DAY (16 AUG).

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 14/2100Z TO 15/2100Z: THE GEOMAGNETIC FIELD WAS AT MINOR STORM TO ACTIVE LEVELS. MAJOR STORM CONDITIONS OCCURRED AT HIGH LATITUDES EARLY IN THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE TO UNSETTLED.

III. EVENT PROBABILITIES 16 AUG-18 AUG

CLASS M 05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 AUG 099

PREDICTED 16 AUG-18 AUG 100/100/100

90 DAY MEAN 15 AUG 084

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 14 AUG 015/031

ESTIMATED AFR/AP 15 AUG 016/032

PREDICTED AFR/AP 16 AUG-18 AUG 009/025-009/020-009/016

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