

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 08/19/87 00:00:00

End : 08/19/87 23:59:00

08/19 22:00

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HFUS3 BOU 192200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 231

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 19 AUG 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 18/2100Z TO 19/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4839 (S25W54) PRODUCED A C9/1F FLARE WITH MINOR RADIO EVENTS AT 19/1031Z. THIS REGION CONTINUED TO SLOWLY DECAY IN MOST ASPECTS. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. RETURNING REGION 4834 (N15, L-120) IS EXPECTED DURING THE SECOND DAY (21 AUG).

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 18/2100Z TO 19/2100Z: THE GEOMAGNETIC FIELD WAS ACTIVE TO QUIET. MINOR STORM CONDITIONS OCCURRED AT HIGH LATITUDES LATE IN THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED THE FIRST HALF OF THE PERIOD. THE LAST HALF IS EXPECTED TO BE GENERALLY ACTIVE. THIS IS DUE TO THE C9/1F FLARE IN REGION 4839 AT 19/1031Z. BRIEF MINOR TO MAJOR STORM CONDITIONS ARE POSSIBLE AT HIGH LATITUDES.

III. EVENT PROBABILITIES 20 AUG-22 AUG

CLASS M 01/01/01
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 AUG 097
PREDICTED 20 AUG-22 AUG 094/090/087
90 DAY MEAN 19 AUG 084

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 AUG 007/014
ESTIMATED AFR/AP 19 AUG 007/017
PREDICTED AFR/AP 20 AUG-22 AUG 007/012-008/016-012/025

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