

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 08/17/87 00:00:00

End : 08/17/87 23:59:00

08/17 22:00

2216

HFUS3 BOU 172200 COR

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 229

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 AUG 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100Z TO 17/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4841 (S31E04) CONTINUED TO SLOWLY DECAY. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4841 STILL PROVIDES A VERY SLIGHT CHANCE OF MODERATE ACTIVITY TOMORROW. THIS POSSIBILITY WILL DECREASE TO AN INSIGNIFICANT LEVEL THE LAST TWO DAYS (19-20 AUG) AS IT CONTINUES TO DECAY. RETURNING REGION 4831 (N29, L-143) IS EXPECTED DURING THE SECOND DAY (19 AUG) AS A SPOTLESS PLAGE AREA.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z: THE GEOMAGNETIC FIELD WAS ACTIVE TO UNSETTLED. MINOR STORM CONDITIONS OCCURRED AT HIGH LATITUDES LATE IN THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE TO UNSETTLED THE FIRST DAY (18 AUG), AND GENERALLY UNSETTLED THE LAST TWO DAYS (19-20 AUG).

III. EVENT PROBABILITIES 18 AUG-20 AUG

CLASS M 05/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 AUG 099

PREDICTED 18 AUG-20 AUG 097/094/091

90 DAY MEAN 17 AUG 084

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 AUG 014/031

ESTIMATED AFR/AP 17 AUG 010/020

PREDICTED AFR/AP 18 AUG-20 AUG 009/016-008/015-008/012

PLAIN

RETRANSMITTED FOR AFGWC/WSE - NO CHANGE IN TEXT

BT

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08/17 22:00

2229

HFUS3 BOU 172200 RTD

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