

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 07/29/86 00:00:00

End : 07/29/86 23:59:00

07/29 22:00

2131

HFUS3 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 210

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 29 JUL 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 28/2100 TO 29/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4741 (NOBES1) HAS GROWN INTO A DAO TYPE SPOT GROUP. THE REVERSED POLARITY CHARACTERISTIC OF REGION 4741 (LEADER-NEGATIVE TRAILER-POSITIVE) IS WELL ESTABLISHED. MINOR FLARE ACTIVITY IN THE REGION HAS INCREASED IN FREQUENCY AND INTENSITY. THE REST OF THE DISK AND LIMBS WERE VERY QUIET AND NO NEW REGIONS WERE NUMBERED. THE 10.7 CM SOLAR RADIO FLUX (2800 MHZ) FROM OTTAWA IS DOUBTFUL DUE TO WEATHER PROBLEMS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW TO LOW FOR THE NEXT THREE DAYS. REGION 4741 WILL CONTINUE TO PRODUCE MINOR FLARE ACTIVITY AND IS CAPABLE OF PRODUCING AN M-CLASS X-RAY EVENT IN THE NEXT THREE DAYS. NO SIGNIFICANT REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 28/2100Z TO 29/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE AT MIDDLE LATITUDES AND ACTIVE WITH PERIODS OF MINOR STORM CONDITIONS AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED AT MIDDLE LATITUDES AND ACTIVE AT HIGH LATITUDES FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 30 JUL-01 AUG

CLASS M 10/20/20

CLASS X 01/02/02

PROTON 01/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 JUL 072

PREDICTED 30 JUL-01 AUG 075/076/076

90 DAY MEAN 29 JUL 070

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 28 JUL 010/018

ESTIMATED AFR/AP 29 JUL 018/020

PREDICTED AFR/AP 30 JUL-01 AUG 012/020-008/015-008/020

SOLTERWARN

BT

NNNN

<003>