

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 08/20/87 00:00:00

End : 08/20/87 23:59:00

08/20 22:00 |

2216

HFUS3 BOU 202200 RTD

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 232

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 20 AUG 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 19/2100Z TO 20/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4B41 (S31W33) PRODUCED A FEW SUBFLARES AS IT GREW IN BOTH WHITE LIGHT AND H-ALPHA. THE REGION HAS A SLIGHT DEGREE OF MAGNETIC COMPLEXITY. A NUMBER OF FILAMENTS DISAPPEARED DURING THE PERIOD WITH THE LARGEST BEING 27 DEGREES LONG FROM N45W44. SURGING WAS REPORTED AT EAST LIMB NEAR N17.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW THROUGHOUT THE INTERVAL.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 19/2100Z TO 20/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN AT UNSETTLED TO ACTIVE LEVELS FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 21 AUG-23 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

POLAR GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 AUG 099

PREDICTED 21 AUG-23 AUG 097/095/093

90 DAY MEAN 20 AUG 084

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 19 AUG 008/019

ESTIMATED AFR/AP 20 AUG 008/016

PREDICTED AFR/AP 21 AUG-23 AUG 010/015-010/015-010/018

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