

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 07/31/87 00:00:00

End : 07/31/87 23:59:00

07/31 22:00

2201

HFUS3 BOU 312200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 212

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 31 JUL 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100Z TO 31/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. A NEW REGION, 4834 (N16W03), EMERGED AND PRODUCED A SUBFLARE DURING THE PERIOD. THE GROUP HAD AN ARCH-FILAMENT STRUCTURE AND SHOWED CONTINUED GROWTH ALL DAY. REGION 4831 (N30W25) DISPLAYED FREQUENT POINT BRIGHTENINGS AND PRODUCED A SUBFLARE EARLY IN THE PERIOD. THE REGION APPEARS TO BE LOSING INTENSITY AT THIS TIME. THE OTHER NUMBERED REGIONS WERE EITHER STABLE OR DECLINING.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGIONS 4834 IS LIKELY TO PRODUCE SOME C-LEVEL FLARE ACTIVITY DURING THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 31/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED WITH A SUBSTORM PERIOD FROM ABOUT 0130-1030UT. DURING THE SUBSTORM THE MIDDLE LATITUDES EXPERIENCED ACTIVE TO MINOR STORM CONDITIONS AND HIGH LATITUDES OBSERVED MAJOR STORM CONDITIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 01 AUG-03 AUG

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 JUL 089

PREDICTED 01 AUG-03 AUG 088/086/086

90 DAY MEAN 31 JUL 084

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 JUL 012/018

ESTIMATED AFR/AP 31 JUL 012/018

PREDICTED AFR/AP 01 JUL-03 AUG 005/010-005/010-005/010

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