

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/08/87 00:00:00

End : 10/08/87 23:59:00

10/08 22:00

2208

HFUS3 BOU 082200 RTD

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 281

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 08 OCT 1987

I. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100Z TO 08/2100Z: SOLAR ACTIVITY WAS VERY LOW. COMPOUND REGION 4862 (N33W06) DECAYED DURING THE PERIOD TO TWO FAIRLY SIMPLE BETA-TYPES. IT PRODUCED NO SIGNIFICANT EVENTS. REGIONS 4863 (N20W30) AND 4864 (S24E24) WERE NEWLY ASSIGNED OVERNIGHT. THEY WERE BOTH SIMPLE BETA-TYPES. REGION 4865 (N30W66) WAS ALSO ASSIGNED DURING THE PERIOD. IT QUICKLY EVOLVED TO THE BETA PHASE BUT THEN JUST AS QUICKLY DECAYED TO AN ALPHA-TYPE BY THE PERIOD'S END.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. RETURNING REGION 4857 IS EXPECTED BACK THE FIRST DAY (9 OCT). SURGING AND 2800MHZ RADIATION INDICATES POTENTIAL SIGNIFICANT ACTIVITY ON AND BEHIND THE EAST LIMB. THE EXPECTED THREE DAY POSSIBILITY IS FOR A VERY SLIGHT CHANCE OF MODERATE ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE.

III. EVENT PROBABILITIES 09 OCT-11 OCT

CLASS M 02/02/02

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 OCT 095

PREDICTED 09 OCT-11 OCT 093/091/090

90 DAY MEAN 08 OCT 089

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 OCT 008/013

ESTIMATED AFR/AP 08 OCT 008/011

PREDICTED AFR/AP 09 OCT-11 OCT 010/020-010/020-010/016

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