

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 09/09/87 00:00:00

End : 09/09/87 23:59:00

09/09 22:00

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HFUS3 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 252

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 09 SEP 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/2100Z TO 09/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4849 (S22W32) PRODUCED ONE C1/OF SUBFLARE AT 09/1808Z WITH NO SIGNIFICANT RADIO PARAMETERS. IT STABILIZED OR DECAYED SLIGHTLY IN MOST ASPECTS. THE REGION SIMPLIFIED ITS MAGNETIC CONFIGURATION INTO A BETA-TYPE. THE OVERALL ACTIVITY TREND CONTINUED DOWN. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4849 PROVIDES A SLIGHT TO VERY SLIGHT CHANCE OF MODERATE ACTIVITY, AND AN ASSOCIATED VERY SLIGHT CHANCE OF HIGH ACTIVITY AND POSSIBLE PROTON PRODUCING FLARES. IT IS EXPECTED TO CONTINUE TO SLOWLY DECAY. THE RETURNING REGION 4846 (N19, CAR-208) IS EXPECTED BACK THE FIRST DAY (10 SEP) AS ONLY A SPOTLESS PLAGE AREA.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 08/2100Z TO 09/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT QUIET TO UNSETTLED LEVELS FOR THE PAST 24 HOURS. A MINOR STORM CONDITION OCCURRED AT HIGH LATITUDES MIDWAY THROUGH THE PERIOD.

I. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE THE FIRST DAY (10 SEP). THE SECOND AND THIRD DAYS (11-12 SEP) ARE EXPECTED TO BE MOSTLY ACTIVE. A RECURRENT DISTURBANCE IS EXPECTED THE LAST TWO DAYS WITH PROBABLE STORM CONDITIONS OCCURRING AT HIGH LATITUDES.

III. EVENT PROBABILITIES 10 SEP-12 SEP

CLASS M 30/25/20

CLASS X 05/01/01

PROTON 05/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 SEP 100

PREDICTED 10 SEP-12 SEP 098/096/093

90 DAY MEAN 09 SEP 086

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 08 SEP 007/017

ESTIMATED AFR/AP 09 SEP 009/018

PREDICTED AFR/AP 10 SEP-12 SEP 010/025-018/020-018/022

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