

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 11/09/87 00:00:00

End : 11/09/87 23:59:00

11/09 22:00

2201

HFUS3 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 313

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 09 NOV 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/2100Z TO 09/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. NO OPTICAL FLARES WERE OBSERVED ALL DAY. THE ONLY GROWING REGION WAS 4884 (N17W01) WHICH IS CURRENTLY A SIMPLE BIPOLAR GROUP WITH ABOUT FIVE SUNSPOTS. THE REMAINING REGIONS WERE EITHER STABLE OR DECLINING. NO NEW REGIONS WERE NUMBERED. AN ACTIVE PROMINENCE WAS OBSERVED ON THE WEST LIMB AT S42.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 08/2100Z TO 09/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY QUIET UNTIL ABOUT 1200Z WHEN CONDITIONS BECAME UNSETTLED. THE PROTON EVENT MENTIONED IN YESTERDAY'S FORECAST ENDED AT 2255UT 08 NOVEMBER.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY ACTIVE WITH PERIODS OF MINOR STORM CONDITIONS AT HIGH LATITUDES FOR 10 NOVEMBER AS A RESULT OF 07 NOVEMBER'S CME FLARE. UNSETTLED TO ACTIVE LEVELS ARE EXPECTED FOR 11-12 NOVEMBER PRIMARILY DUE TO EFFECTS FROM 06 NOVEMBER'S DISAPPEARING FILAMENT EVENT.

III. EVENT PROBABILITIES 10 NOV-12 NOV

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 NOV 092

PREDICTED 10 NOV-12 NOV 092/092/092

90 DAY MEAN 09 NOV 093

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 08 NOV 003/007

ESTIMATED AFR/AP 09 NOV 010/016

PREDICTED AFR/AP 10 NOV-12 NOV 024/040-018/025-018/025

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