

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 02/15/87 00:00:00

End : 02/15/87 23:59:00

02/15 22:00

230

HFUS3 BOU 152200 RTD01

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 046

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 15 FEB 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 14/2100Z TO 15/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4771 (N18W15) IS STILL A BXO TYPE SPOT GROUP. MAGNETIC ANALYSIS OF THIS REGION INDICATES THAT IT HAS A POLARITY CONFIGURATION THAT IS REVERSED FROM WHAT IS EXPECTED IN SUNSPOT CYCLE NUMBER 21. NO NEW REGIONS WERE NUMBERED TODAY AND THE REST OF THE DISK AND LIMBS WERE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. THERE IS A SLIGHT CHANCE FOR MINOR FLARE ACTIVITY IN REGION 4771. NO REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 14/2100Z TO 15/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED AT MIDDLE LATITUDES AND QUIET (WITH A BRIEF PERIOD OF MINOR STORM CONDITIONS) AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED AT MIDDLE LATITUDES AND UNSETTLED AT HIGH LATITUDES FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 16 FEB-18 FEB

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 FEB 071

PREDICTED 16 FEB-18 FEB 071/072/072

90 DAY MEAN 15 FEB 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 14 FEB 005/007

ESTIMATED AFR/AP 15 FEB 007/010

PREDICTED AFR/AP 16 FEB-18 FEB 010/012-007/010-007/010

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