

NO NEW REGIONS WERE NUMBERED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. NO REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z: GEOMAGNETIC ACTIVITY HAS RANGED FROM QUIET TO ACTIVE AT ALL LATITUDES. THERE WERE BRIEF AND ISOLATED PERIODS OF MINOR STORM CONDITIONS AT SOME HIGH LATITUDE STATIONS.

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

III. EVENT PROBABILITIES 26 DEC-28 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 DEC 072

PREDICTED 26 DEC-28 DEC 072/072/072

90 DAY MEAN 25 DEC 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 DEC 009/014

ESTIMATED AFR/AP 25 DEC 010/015

PREDICTED AFR/AP 26 DEC-28 DEC 010/015-010/015-014/018

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SESC Solar Summary and Forecast - For Joe Hirman

Begin: 12/24/86 00:00:00

End : 12/24/86 23:59:00

12/24 22:00

2228

HFUS3 BOU 242200 RTD

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 358

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 24 DEC 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100Z TO 24/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE ONLY SPOTTED REGION ON THE DISK WAS 4762 (S27W08). THE REGION IS DECLINING AND IS A BXO TYPE SPOT GROUP. THE MAGNETIC CONFIGURATION OF THIS REGION IS REVERSED FROM WHAT IS EXPECTED IN SUNSPOT CYCLE 21. IT PRODUCED NO FLARE ACTIVITY TODAY. TWO FILAMENTS FADED FROM VIEW EARLY IN THE DAY. ONE WAS 12 DEGREES LONG AT S47W50 AND THE OTHER WAS 8 DEGREES LONG AT S43W68. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. NO REGIONS ARE DUE TO RETURN. THERE IS A VERY SLIGHT CHANCE FOR FLARE ACTIVITY IN REGION 4762.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 24/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED TO ACTIVE. A FEW ISOLATED PERIODS OF MINOR TO MAJOR STORM CONDITIONS WERE REPORTED AT SOME MIDDLE AND HIGH LATITUDE STATIONS. THE OVERALL TREND HAS BEEN TO DECREASING ACTIVITY LEVELS.

IB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED AT MIDDLE LATITUDES AND UNSETTLED TO SLIGHTLY ACTIVE AT HIGH LATITUDES FOR THE NEXT THREE DAYS. THE FILAMENTS ARE NOT EXPECTED TO AFFECT THE GEOMAGNETIC FIELD.

III. EVENT PROBABILITIES 25 DEC-27 DEC

CLASS M 02/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 DEC 072

PREDICTED 25 DEC-27 DEC 072/072/072

90 DAY MEAN 24 DEC 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 DEC 022/024

ESTIMATED AFR/AP 24 DEC 013/020

PREDICTED AFR/AP 25 DEC-27 DEC 010/015-010/015-010/010

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