

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 12/23/86 00:00:00

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

12/23 22:00

2008

HFUS3 BOU 232200 RTD

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 357

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 23 DEC 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100Z

TO 23/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4762

(S27E03) IS NOW A CAO TYPE SPOT GROUP. NO FLARES HAVE BEEN

OBSERVED. A SMALL FILAMENT DISAPPEARED NEAR S42W71 OVERNIGHT.

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. THERE IS A SLIGHT CHANCE FOR FLARE ACTIVITY IN

REGION 4762.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 22/2100Z TO 23/2100Z:

THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED AT ALL

LATITUDES EARLY AND LATE IN THE PERIOD. ACTIVITY LEVELS

INCREASED AFTER 0900UT 23 DECEMBER AND REACHED MINOR

STORM AT MIDDLE LATITUDES AND MAJOR STORM AT HIGH LATITUDES

BY 1500UT 23 DECEMBER. THE PATTERN OF ACTIVITY IS

CONSISTENT WITH A WEAK CORONAL HOLE EFFECT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS

EXPECTED TO BE UNSETTLED WITH ACTIVE PERIODS AT MIDDLE

LATITUDES AND ACTIVE WITH OCCASIONAL PERIODS OF GEOMAGNETIC

STORM CONDITIONS AT HIGH LATITUDES FOR THE NEXT THREE DAYS.

THE FILAMENT DISRUPTION IS NOT EXPECTED TO PRODUCE ANY

SIGNIFICANT ACTIVITY.

III. EVENT PROBABILITIES 24 DEC-26 DEC

CLASS M 04/04/04

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 DEC 072

PREDICTED 24 DEC-26 DEC 072/072/072

90 DAY MEAN 23 DEC 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 22 DEC 013/016

ESTIMATED AFR/AP 23 DEC 021/025

PREDICTED AFR/AP 24 DEC-26 DEC 014/015-010/015-010/015

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