

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 01/28/86 00:00:00

End : 01/28/86 23:59:00

01/28 22:00

2123

OS3 BDU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 028

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 28 JAN 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100
TO 28/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE
PAST 24 HOURS. OLD REGION 4710 IS DUE BACK ON THE SOUTHEAST
LIMB LATE ON 30 JANUARY. YELLOW LINE CORONAL EMISSION WAS
OBSERVED IN THAT AREA EARLIER TODAY. WHETHER OR NOT THIS
EMISSION IS ASSOCIATED WITH 4710 IS QUESTIONABLE BUT IN ANY
CASE, IT DOES INDICATE A DYNAMIC ENVIRONMENT IN THAT LOCALE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN AT A VERY LOW LEVEL FOR THE NEXT THREE DAYS. THE THIRD
DAY SHOULD SHOW SOME INDICATIONS AS TO THE POTENTIAL FOR FLARES
FROM 4710.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN AT GENERALLY ACTIVE LEVELS WITH
MINOR STORM CONDITIONS AT MID LATITUDES, AND MAJOR STORM
CONDITIONS AT HIGH LATITUDES, OCCURRING INTERMITTENTLY.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO CONTINUE AT ACTIVE TO MINOR STORM LEVELS (MAJOR
STORM AT HIGH LATITUDES) FOR ANOTHER 24 TO 36 HOURS AND THEN
EXPERIENCE A DAY OF BASICALLY ACTIVE CONDITIONS. THE THIRD DAY

THE FORECAST COULD SEE THE FIELD RETURN TO INTERMITTENT
STORM CONDITIONS AS A RESULT OF FILAMENT ACTIVITY.

III. EVENT PROBABILITIES 29 JAN-31 JAN

CLASS M 01/01/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 JAN 072

PREDICTED 29 JAN-31 JAN 073/074/075

90 DAY MEAN 28 JAN 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 JAN 035/045

ESTIMATED AFR/AP 28 JAN 025/040

PREDICTED AFR/AP 29 JAN-31 JAN 020/025-015/015-014/025

SOLTERWARN

BT

NNNN

<003>