

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 01/26/87 00:00:00

End : 01/26/87 23:59:00

01/26 22:00

30

HFUS3 BOU 262200 COR

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 026

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 26 JAN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100Z TO 26/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 24 HOURS. NEW REGION 4767 (N13E56) IS NOW A BXO/BETA THREE SPOT REGION. REPORTS INDICATE GROWTH OF THE REGION.

REGION 4765 (S25W70) HAS SHOWN SIGNIFICANT DECAY BUT CONTINUES TO PRODUCE ACTIVITY. THE REGION PRODUCED A C1.4 X-RAY EVENT TODAY AT 1501 UT. IN ADDITION, THERE WERE ALSO SEVERAL B-CLASS AND OPTICAL FLARES DURING THE PERIOD.

THE REMAINDER OF THE DISK AND LIMB REMAIN QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED EXCEPT AT SOME HIGH LATITUDE STATIONS WHERE BRIEF PERIODS OF ACTIVE CONDITIONS WERE OBSERVED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED THROUGHOUT THE FORECAST PERIOD. THE ACTIVE CONDITIONS EXPECTED FOR TODAY THAT WERE BASED ON A LONG DURATION EVENT OF 22 JANUARY NOW APPEAR

TO HAVE LITTLE CHANCE OF OCCURRING.

III. EVENT PROBABILITIES 27 JAN-29 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 JAN 075

PREDICTED 27 JAN-29 JAN 075/076/076

90 DAY MEAN 26 JAN 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 JAN 007/007

ESTIMATED AFR/AP 26 JAN 008/010

PREDICTED AFR/AP 27 JAN-29 JAN 010/012-008/012-008/010

NNNN

<003>