

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 05/21/86 00:00:00

End : 05/21/86 23:59:00

05/21 22:00

2131

US3 BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 141

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 21 MAY 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 20/2100 TO 21/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4729 (N04W15) CONTINUES TO DECAY. THE REGION IS AN HRX-ALPHA SPOT GROUP THAT HAS REMAINED VERY QUIET. REGION 4731 (N07E40) IS A CSO-BETA SPOT GROUP THAT CONTINUES TO HAVE WEAK SUBFLARES WITH ONLY B-CLASS X-RAYS. REPORTS INDICATE THAT REGION 4731 IS LOSING SOME OF ITS PENUMBRA AND HAS LOST SPOTS ALSO. THERE APPEARS TO BE A NEW REGION (N05W07) THAT HAS BEEN REPORTED. THE REGION CONTAINS ANYWHERE FROM 1 TO 3 SPOTS AND IS A UNIPOLAR GROUP. ALL OBSERVATORIES CANNOT CONFIRM AND THERE IS SOME DOUBT AS TO WHETHER THE SPOTS ARE A NEW GROUP OR SIMPLY TEMPORARY PORES. NUMBERING OF THE REGION WILL BE DELAYED UNTIL THE REQUIRED CONFIRMATION IS MET. THE REMAINDER OF THE DISK AND LIMBS ARE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 20/2100Z TO 21/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED DURING THE PREVIOUS 24 HOURS. SOME ACTIVE CONDITIONS WERE OBSERVED AT HIGH LATITUDES LATE IN THE PERIOD.

II. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE ENTIRE FORECAST PERIOD.

III. EVENT PROBABILITIES 22 MAY-24 MAY

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 MAY 077

PREDICTED 22 MAY-24 MAY 078/078/078

90 DAY MEAN 21 MAY 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 20 MAY 005/009

ESTIMATED AFR/AP 21 MAY 010/018

PREDICTED AFR/AP 22 MAY-24 MAY 015/020-013/020-010/015

SOLTERWARN

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