

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 03/21/87 00:00:00

End : 03/21/87 23:59:00

03/21 22:00

2201

HFUS3 BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 080

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 21 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 20/2100Z TO 21/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4781 (N24W15) CONTINUES TO MATURE, INCREASING THE NUMBER OF ASSOCIATED SPOTS TO 11. THE LEADER SPOT IN 4781 IS NEGATIVE, WHICH IS CHARACTERISTIC OF A CYCLE 22 REGION. NO SIGNIFICANT SOLAR EVENTS HAVE OCCURRED OVER THE LAST 24 HOURS. NO NEW REGIONS WERE NUMBERED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW THROUGHOUT THE FORECAST PERIOD. REGION 4781 IS EXPECTED TO BECOME MORE ACTIVE AS IT CONTINUES TO GROW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 20/2100Z TO 21/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED TO ACTIVE. MINOR/MAJOR STORM CONDITIONS AT HIGH LATITUDES AND MINOR STORM CONDITIONS AT MID LATITUDES OCCURRED DURING THE LAST HALF OF THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY ACTIVE THROUGHOUT THE FORECAST PERIOD. MINOR STORM CONDITIONS AT HIGH LATITUDES ARE POSSIBLE THE LAST DAY OF THE PERIOD.

III. EVENT PROBABILITIES 22 MAR-24 MAR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 MAR 075

PREDICTED ?EEA

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03/21 22:00

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HFUS3 BOU 212200 COR

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

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03/21 22:00

2227

HFUSS BOU 212200 COR

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CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 MAR 075

PREDICTED 22 MAR-24 MAR 076/076/075

90 DAY MEAN 21 MAR 072

GEO MAGNETIC A INDICES

OBSERVED AFR/AP 20 MAR 004/007

ESTIMATED AFR/AP 21 MAR 014/020

PREDICTED AFR/AP 22 MAR-24 MAR 015/018-015/020-020/030