

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 01/21/86 00:00:00

End : 01/21/86 23:59:00

21 22:00

2117

HFUS3 BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 021

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 21 JAN 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 20/2100 TO 21/2100Z: SOLAR ACTIVITY WAS VERY LOW. AN ARCHED FILAMENT SYSTEM AND PORES WERE REPORTED IN THE BI-POLAR REGION AT N29E66.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 20/2100Z TO 21/2100Z: THE GEOMAGNETIC FIELD WAS AT ACTIVE TO MINOR STORM LEVELS. HIGH LATITUDE, MAJOR STORM CONDITIONS OCCURRED. THIS DISTURBANCE IS PROBABLY THE EFFECT OF SEVERAL CLASS M X-RAYS OF 13-15 JAN, BUT MAY ALSO BE A RESULT OF A DISAPPEARING FILAMENT OF 16 JAN. BOTH CAUSES ARE SPECULATIVE WITHOUT CURRENT ICE DATA FOR CORRELATION.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE. BRIEF STORM CONDITIONS ARE EXPECTED DURING MIDNIGHT PERIODS.

III. EVENT PROBABILITIES 22 JAN-24 JAN

CLASS M 01/01/01

CLASS X 01/01/01

TON 01/01/01

AF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 JAN 070

PREDICTED 22 JAN-24 JAN 072/073/074

90 DAY MEAN 21 JAN 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 20 JAN 014/018

ESTIMATED AFR/AP 21 JAN 015/030

PREDICTED AFR/AP 22 JAN-24 JAN 019/025-017/020-015/020

SOLTERWARN

BT

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01/21 22:00

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HFUS3 BOU 212200 COR

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 021

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

: : : : : : : : : : : : CORRECTED TEXT : : : : : : : : : :

ISSUED 2200Z 21 JAN 1986

ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 20/2100

21/2100Z: SOLAR ACTIVITY WAS VERY LOW. AN ARCHED FILAMENT SYSTEM AND A SINGLE SPOT WERE REPORTED IN THE BI-POLAR REGION

AT N28E68. THIS MAY BE THE NORTHERNMOST REVERSED POLARITY REGION SO FAR THIS CYCLE IF IT CONTINUES TO DEVELOP AND IS CONSEQUENTLY NUMBERED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 20/2100Z TO 21/2100Z: THE GEOMAGNETIC FIELD WAS AT ACTIVE TO MINOR STORM LEVELS. HIGH LATITUDE, MAJOR STORM CONDITIONS OCCURRED. THIS DISTURBANCE IS PROBABLY THE EFFECT OF SEVERAL CLASS M X-RAY EVENTS ON 15-16 JAN, BUT MAY ALSO BE THE RESULT OF A DISAPPEARING FILAMENT ON 16 JAN. BOTH POSSIBILITIES ARE SPECULATIVE WITHOUT CURRENT ICE DATA FOR CONFIRMATION.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE. BRIEF STORM CONDITIONS ARE EXPECTED DURING MIDNIGHT PERIODS THE FIRST 36 HOURS.

III. EVENT PROBABILITIES 22 JAN-24 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 JAN 070

PREDICTED 22 JAN-24 JAN 072/073/074

90 DAY MEAN 21 JAN 075

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