

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 02/21/87 00:00:00

End : 02/21/87 23:59:00

02/21 22:00

2235

HFUS3 BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTERHOUS5 BOU 212130 RTD

JOINT USAF/NOAA DATA ACQUISITION REPORT

ISSUED 2130Z 21 FEB 1987

I. DATA COLLECTION REQUIREMENTS FOR 22 FEB 1987

HSTRY: 4772

RGANL: 4772

MAG MAPS: NONE

H-ALPHA FILM: FILM PATROL MODE 2

II. ANTICIPATED SPECIAL SUPPORT FOR 22 FEB TO 24 FEB

CONTINUE FPM 2

III. SPECIAL DATA DISPOSITION INSTRUCTIONS:

PLEASE SEND PROCESSED AND SPLICED H-ALPHA FILM TO:

SMM CHIEF OBSERVER

CODE 602.6

GODDARD SPACE FLIGHT CENTER

GREENBELT MD 20771-0001

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02/21 22:00

2245

HFUS3 BOU 212200 COR

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 052

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 21 FEB 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 20/2100Z

TO 21/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE DISK WAS

SPOTLESS. NO NEW REGION WAS ASSIGNED.

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 HAS BEEN GENERALLY ACTIVE. MINOR STORM

CONDITIONS OCCURRED AT HIGH LATITUDES MIDWAY THROUGH THE

PERIOD. THIS MINOR ACTIVITY WAS THE RECOVERY PHASE OF THE

DISTURBANCE THAT PEAKED MIDWAY THROUGH 20 FEB. THIS DIS-

TURBANCE WAS POSSIBLY THE RESULT OF AN EXTENSION OF

THE SOUTH POLAR CORONAL HOLE CROWN THAT PASSED CENTRAL

MERIDIAN LATE ON 16 FEB TO EARLY ON 17 FEB 87.

IB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS

EXPECTED TO BE GENERALLY UNSETTLED TO ACTIVE.

III. EVENT PROBABILITIES 22 FEB-24 FEB

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

OTTAWA 10.7 CM FLUX
OBSERVED 21 FEB 072
PREDICTED 22 FEB-24 FEB 072/072/072
90 DAY MEAN 21 FEB 072

V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 20 FEB 024/029
ESTIMATED AFR/AP 21 FEB 015/020
PREDICTED AFR/AP 22 FEB-24 FEB 010/015-008/012-014/016

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