

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 12/31/86 00:00:00

End : 12/31/86 23:59:00

12/31 22:00

HFUS3 BOU 312200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER--AGLJ(A+&

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12/31 22:00

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HFUS3 BOU 312200 RTD
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 365

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 31 DEC 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100Z
TO 31/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24
HOURS. A REGION OF EMERGING FLUX WAS OBSERVED NEAR N06E25 AND
SPOTS MAY BE FORMING. A FILAMENT 13 DEGREES IN LENGTH LOCATED
NEAR S42W61 AT 1800 UT WAS FADING AT FORECAST TIME. THE
REMAINDER OF THE DISK AND LIMBS WAS QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
CONTINUE VERY LOW THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 31ECA?4T(
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&(AEI. OURS EXCEPT FOR UNSETTLED CONDITIONS OBSERVED BETWEEN
1100-1500 UT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE QUIET TO UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 01 JAN-03 JAN

CLASS M 01/01/01
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN

OTTAWA 10.7 CM FLUX

PREDICTED 01 JAN-03 JAN 070/070/070
90 DAY MEAN 31 DEC 078
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 30 DEC 002/006
ESTIMATED AFR/AP 31 DEC 007/010
PREDICTED AFR/AP 01 DEC-03 JAN 005/008-005/008-005/010

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<003>
12/31 22:00

2225
HFUS3 BOU 312200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 365
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 31 DEC 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100Z
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REMAINDER OF THE DISK AND LIMBS WAS QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
CONTINUE VERY LOW THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 31/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN MOSTLY QUIET FOR THE PAST 24
HOURS EXCEPT FOR UNSETTLED CONDITIONS OBSERVED BETWEEN
1100-1500 UT.

IB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE QUIET TO UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 01 JAN-03 JAN

CLASS M 01/01/01
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX
OBSERVED 31 DEC 070
PREDICTED 01 JAN-03 JAN 070/070/070
90 DAY MEAN 31 DEC 078

V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 30 DEC 002/006
ESTIMATED AFR/AP 31 DEC 007/010
PREDICTED AFR/AP 01 DEC-03 JAN 005/008-005/008-005/010

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<003>
12/31 22:00

2254
HFUS3 BOU 312200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 365

ISSUED 2200Z 31 DEC 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100Z TO 31/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. A REGION OF EMERGING FLUX WAS OBSERVED NEAR N06E25 AND SPOTS MAY BE FORMING. A FILAMENT 13 DEGREES IN LENGTH LOCATED NEAR S42W61 AT 1800 UT WAS FADING AT FORECAST TIME. THE REMAINDER OF THE DISK AND LIMBS WAS QUIET.

I. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE VERY LOW THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 31/2100Z: THE GEOMAGNETIC FIELD HAS BEEN MOSTLY QUIET FOR THE PAST 24 HOURS EXCEPT FOR UNSETTLED CONDITIONS OBSERVED BETWEEN 1100-1500 UT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 01 JAN-03 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 DEC 070

PREDICTED 01 JAN-03 JAN 070/070/070

90 DAY MEAN 31 DEC 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 DEC 002/006

ESTIMATED AFR/AP 31 DEC 007/010

PREDICTED AFR/AP 01 DEC-03 JAN 005/008-005/008-005/010

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