

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 02/01/86 00:00:00

End : 02/01/86 23:59:00

02/01 22:00

2147

HFUS3 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 032

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 01 FEB 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 31/2100 TO 01/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4711 (S07E51) HAS GROWN SUBSTANTIALLY INTO A CKD TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION. AT FORECAST TIME THE REGION WAS STILL GROWING AND PRODUCING MINOR FLARE ACTIVITY. NO NEW REGIONS HAVE BEEN NUMBERED TODAY. THE REST OF THE DISK AND LIMBS HAVE BEEN QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. GROWTH IN REGION 4711 HAS SIGNIFICANTLY INCREASED THE POTENTIAL FOR FLARE ACTIVITY. REGION 4709 (S09, L:006 CLASS/AREA EAI/080 ON 19 DEC 1985) IS DUE TO RETURN LATE ON 02 FEB. THIS REGION PRODUCED ONLY C-CLASS X-RAY FLARES ON THE LAST ROTATION AND WAS DECLINING AS IT EXITED THE DISK. NO OTHER REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 31/2100Z TO 01/2100Z: GEOMAGNETIC ACTIVITY HAS BEEN MOSTLY QUIET FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE UNSETLED TO ACTIVE FOR THE NEXT THREE DAYS AS A RECURRENT DISTURBANCE DOMINATES THE FIELD.

EVENT PROBABILITIES 02 FEB-04 FEB

CLASS M 20/20/10

CLASS X 02/02/01

PROTON 02/02/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 FEB 084

PREDICTED 02 FEB-04 FEB 086/084/082

90 DAY MEAN 01 FEB 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 31 JAN 008/009

ESTIMATED AFR/AP 01 FEB 007/010

PREDICTED AFR/AP 02 FEB-04 FEB 014/020-018/020-010/015

SOLTERWARN

BT

NNNN

<003>

02/01 22:00

2222

HFUS3 BOU 012200 COR

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 032

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

::::::: CORRECTED COPY :::::::

ISSUED 2200Z 01 FEB 1986

I A. ANALYSIS OF SOLAR ACTIVE REGION AND AVAILABILITY FROM 01/2100Z TO 01/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4711 (S07E51) HAS GROWN SUBSTANTIALLY INTO A CKO TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION. AT FORECAST TIME THE REGION WAS STILL GROWING AND PRODUCING MINOR FLARE ACTIVITY. NO NEW REGIONS HAVE BEEN NUMBERED TODAY. THE REST OF THE DISK AND LIMBS HAVE BEEN QUIET.

SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO MAIN VERY LOW FOR THE NEXT THREE DAYS. GROWTH IN REGION 4711 HAS SIGNIFICANTLY INCREASED THE POTENTIAL FOR FLARE ACTIVITY. REGION 4709 (S09, L-006 CLASS/AREA EAI/OBO ON 19 DEC 1985) IS DUE TO RETURN LATE ON 02 FEB. THIS REGION PRODUCED ONLY C-CLASS X-RAY FLARES ON THE LAST ROTATION AND WAS DECLINING AS IT EXITED THE DISK. NO OTHER REGIONS ARE DUE TO RETURN.

II A. GEOPHYSICAL ACTIVITY SUMMARY FROM 31/2100Z TO 01/2100Z: GEOMAGNETIC ACTIVITY HAS BEEN MOSTLY QUIET FOR THE PAST 24 HOURS.

II B. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE UNSETLED TO ACTIVE FOR THE NEXT THREE DAYS AS A RECURRENT DISTURBANCE DOMINATES THE FIELD.

III. EVENT PROBABILITIES 02 FEB-04 FEB

CLASS M 20/20/10

CLASS X 02/02/01

PROTON 02/02/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 FEB 084

PREDICTED 02 FEB-04 FEB 086/084/082

90 DAY MEAN 01 FEB 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 31 JAN 008/009

ESTIMATED AFR/AP 01 FEB 007/010

PREDICTED AFR/AP 02 FEB-04 FEB 014/020-018/020-010/015

TERWARN

B1

NNNN

<003>