

SESC Solar Summary and Forecast - For Joe Hirman

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

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

02/02 22:00

2129

SS3 BOU 022200

SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 033

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 02 FEB 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/2100 TO 02/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4711 (S07E38) IS NOW A DK1 TYPE SPOT GROUP WITH A BETA-DELTA MAGNETIC CLASSIFICATION. NEW REGION 4712 (S05W46) IS A CS0 TYPE SPOT GROUP. BOTH REGIONS ARE GROWING AND MINOR FLARE ACTIVITY HAS INCREASED IN FREQUENCY AND INTENSITY. OTHER THAN AN ACTIVE PROMINENCE REGION AT N03E90 THE REST OF THE DISK AND LIMBS WERE QUIET AND FEATURELESS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW FOR THE NEXT THREE DAYS. MAJOR FLARE ACTIVITY IS POSSIBLE GIVEN THE GROWTH AND INCREASED MAGNETIC COMPLEXITY OF REGION 4711. NO REGIONS ARE DUE TO RETURN. REGION 4709 (S09, L-006 CLASS/AREA EAI/080 ON 19 DEC 85) WAS REPORTED ERRONEOUSLY AS A RETURNING REGION ON SDF 032 (01 FEB 86). THE REGION IS NOT DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 01/2100Z TO 02/2100Z: GEOMAGNETIC ACTIVITY HAS BEEN GENERALLY QUIET FOR THE PAST 24 HOURS. OCCASIONAL PERIODS OF UNSETTLED CONDITIONS WERE OBSERVED AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE ACTIVE FOR THE NEXT 24 HOURS AND UNSETTLED FOR SUBSEQUENT 48 HOURS. ACTIVE CONDITIONS ARE FORECAST ON THE BASIS OF RECURRENCE.

III. EVENT PROBABILITIES 03 FEB-05 FEB

CLASS M 30/15/10

CLASS X 05/02/01

PROTON 05/02/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 FEB 090

PREDICTED 03 FEB-05 FEB 093/093/091

90 DAY MEAN 02 FEB 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 01 FEB 004/007

ESTIMATED AFR/AP 02 FEB 006/010

PREDICTED AFR/AP 03 FEB-05 FEB 015/020-010/015-008/010

SOLTERWARN

BT

NNNN

<003>