

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 01/15/86 00:00:00

End : 01/15/86 23:59:00

15 22:00

2207

HFUS3 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 015

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 15 JAN 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 14/2100 TO 15/2100Z: SOLAR ACTIVITY HAS BEEN LOW TO MODERATE THE PAST 24 HOURS. REGION 4710 (S11W80) IS A CSO-BETA SPOT GROUP THAT HAD AN M1.1 XRAY FLARE WITH AN ASSOCIATED TYPE II AND IV RADIO BURST (MAX 0711 UT) THIS A.M. IN ADDITION THE REGION HAS HAD SEVERAL B AND C CLASS XRAY FLARES AS WELL AS OPTICAL FLARES.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT 24 HOURS. REGION 4710 IS BEGINNING TO TRANSIT THE WEST LIMB AND REPORTS INDICATE THE REGION IS BEGINNING TO STABILIZE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 14/2100Z TO 15/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PREVIOUS 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY ACTIVE FOR THE FIRST DAY OF THE FORECAST PERIOD AND THEN GENERALLY UNSETTLED TO ACTIVE ON THE SECOND AND THIRD DAYS. THE FIRST TWO DAYS FORECAST IS BASED ON RECURRENCE AND THE SLIGHT INCREASE IN ACTIVITY THE THIRD DAY IS AN EXPECTED RESULT OF THE RADIO BURSTS FROM TODAY.

III. EVENT PROBABILITIES 16 JAN-18 JAN

SS M 01/01/01

SS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 JAN 078

PREDICTED 16 JAN-18 JAN 077/077/076

90 DAY MEAN 15 JAN 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 14 JAN 004/005

ESTIMATED AFR/AP 15 JAN 010/012

PREDICTED AFR/AP 16 JAN-18 JAN 015/015-005/010-012/015

SOLTERWARN

BT

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