

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 04/17/86 00:00:00

End : 04/17/86 23:59:00

04/17 22:00

2132

US3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 107

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 APR 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100 TO 17/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4723 (S11W49) AND REGION 4724 (S07E30) ARE NOW PLAGE REGIONS. REGION 4725 (N01E32) IS A CSO TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION. POINT BRIGHTENINGS WERE OBSERVED IN ALL THREE REGIONS. A FIVE DEGREE FILAMENT DISAPPEARED AT S44W45 OVERNIGHT.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. THE PROBABILITY FOR SIGNIFICANT FLARE ACTIVITY IS SLIGHTLY ENHANCED.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z: GEOMAGNETIC ACTIVITY HAS BEEN GENERALLY QUIET TO UNSETTLED AT ALL LATITUDES FOR THE PAST 24 HOURS.

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

III. EVENT PROBABILITIES 18 APR-20 APR

CLASS M 05/05/05

CLASS X 01/01/01

ROTTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 APR 075

PREDICTED 18 APR-20 APR 075/075/075

90 DAY MEAN 17 APR 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 APR 007/011

ESTIMATED AFR/AP 17 APR 005/010

PREDICTED AFR/AP 18 APR-20 APR 015/020-015/020-015/020

SOLTERWARN

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