

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 04/25/86 00:00:00

End : 04/25/86 23:59:00

04/25 22:00

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AFUS3 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 115

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 25 APR 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100  
TO 25/2100Z: SOLAR ACTIVITY WAS VERY LOW DURING THE PAST 24  
HOURS. REGION 4726 (N03W18) REMAINS AT D-TYPE BETA SPOT GROUP.  
THE OVERALL AREA AND SPOT COUNT ARE DOWN SLIGHTLY FROM THE  
PREVIOUS 24 HOURS. REGION 4726 ALSO HAD A DECREASE IN ACTIVITY  
SINCE THE M-CLASS X-RAY FLARES OF 24 APR. FOR THE MOST PART,  
THE REGION HAS BEEN QUIET. REGION 4727 (N06E15) HAS ALSO  
DECLINED SOMEWHAT IN AREA AND SPOT COUNT. IT IS NOW A CRO-BETA  
SPOT GROUP. THIS REGION HAS HAD VERY LITTLE ACTIVITY SINCE ITS  
APPEARANCE ON THE DISK.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE  
GENERALLY LOW FOR THE NEXT THREE DAYS. HOWEVER, THE POSSIBILITY  
OF AN INCREASE TO MODERATE DOES EXIST DURING THE PERIOD. THE  
INCREASE WOULD LIKELY COME FROM REGION 4726 AS IT REMAINS A  
POTENTIAL ENERGETIC EVENT PRODUCER.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z:  
GEO-MAGNETIC ACTIVITY WAS GENERALLY UNSETTLED TO ACTIVE DURING  
THE PREVIOUS 24 HOURS. THE ACTIVE CONDITIONS WERE OBSERVED  
MAINLY AT HIGH LATITUDE STATIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEO-MAGNETIC FIELD IS  
EXPECTED TO BE UNSETTLED THROUGH 26 APRIL, THEN RISE TO ACTIVE  
LEVELS DURING THE 27TH AND 28TH. THE ANTICIPATED INCREASE IS  
DUE MAINLY TO THE LEVEL OF SOLAR ACTIVITY THAT OCCURRED FROM  
REGION 4726 ON 24 APRIL.

III. EVENT PROBABILITIES 26 APR-28 APR

CLASS M 20/20/20

CLASS X 01/02/02

PROTON 01/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 APR 085

PREDICTED 26 APR-28 APR 085/084/084

90 DAY MEAN 25 APR 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 APR 011/015

ESTIMATED AFR/AP 25 APR 012/014

PREDICTED AFR/AP 26 APR-28 APR 012/012-020/025-015/020

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