

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 04/15/87 00:00:00

End : 04/15/87 23:59:00

04/15 22:00

2201

HFUS3 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 105

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 15 APR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 14/2100Z  
TO 15/2100Z: SOLAR ACTIVITY WAS LOW. THE REGION 4787 (S33W39)  
4790 (S32W35) COMPLEX PRODUCED SEVERAL SMALL FLARES. THE LARGEST  
WAS A C6/1B AT 15/0736Z. THE INTERFACE BETWEEN THE TWO REGIONS  
CONTINUED TO BE THE SITE OF ACTIVITY. REGION 4792 (S17W16) WAS  
ASSIGNED AS A SIMPLE BETA-TYPE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE  
LOW. THE REGION 4787 AND 4790 COMPLEX STILL PROVIDES A FAIR  
CHANCE OF MODERATE ACTIVITY. THEY BOTH STILL HAVE A VERY SLIGHT  
CHANCE OF A PROTON FLARE DUE TO THE CONTINUING SHEAR JUST SOUTH  
OF THE MAIN, LARGE SPOT IN REGION 4790.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 14/2100Z TO 15/2100Z:  
THE GEOMAGNETIC FIELD WAS UNSETTLED TO QUIET.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS  
EXPECTED TO BE UNSETTLED THE FIRST DAY (16 APR). THE SECOND  
AND THIRD DAYS (17-18 APR) ARE EXPECTED TO BE ACTIVE AS THE  
COMPLEX (REGIONS 4787/4790) SECTOR FAVORABLY CONNECTS TO OUR  
FIELD.

III. EVENT PROBABILITIES 16 APR-18 APR

CLASS M 20/20/20  
CLASS X 02/02/02  
PROTON 02/02/02  
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 APR 097  
PREDICTED 16 APR-18 APR 094/091/088  
90 DAY MEAN 15 APR 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 14 APR 008/009  
ESTIMATED AFR/AP 15 APR 007/010  
PREDICTED AFR/AP 16 APR-18 APR 012/014-015/016-015/016

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