

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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