

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 03/16/87 00:00:00

End : 03/16/87 23:59:00

03/16 22:00

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HFUS3 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 075

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 16 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100Z TO 16/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4779 (HSX/ALPHA S32E53) HAS REMAINED BASICALLY QUIET DURING THE PAST 24 HOURS. REGION 4780 (AXX/ALPHA S19E07) WAS REPORTED BY ONLY ONE OBSERVATION AS HAVING SPOTS. IT HAS ALSO REMAINED STABLE. THE REMAINDER OF THE DISK AND LIMBS ARE QUIET AND STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. FLARE POTENTIAL FROM REGION 4779 HAS DROPPED CONSIDERABLY DURING THE PAST TWO DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AT MID LATITUDES. HIGH LATITUDE STATIONS WERE UNSETTLED TO ACTIVE, EXCEPT FROM 16/1200Z TO 16/1630Z, WHEN MINOR STORM CONDITIONS WERE OBSERVED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED FOR THE NEXT TWO DAYS AND ACTIVE ON THE THIRD DAY OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 17 MAR-19 MAR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 MAR 072

PREDICTED 17 MAR-19 MAR 072/073/073

90 DAY MEAN 16 MAR 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 15 MAR 010/011

ESTIMATED AFR/AP 16 MAR 010/015

PREDICTED AFR/AP 17 MAR-19 MAR 010/013-008/013-018/025

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