

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 08/16/87 00:00:00

End : 08/16/87 23:59:00

08/16 22:00

2201

HFUS3 BDU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 228

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 16 AUG 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100Z TO 16/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4841 (S30E18) DECAYED SLOWLY. IT RETAINED A BETA-DELTA MAGNETIC CONFIGURATION BUT STILL DIDN'T PRODUCE A SIGNIFICANT EVENT DURING THE PERIOD. NEWLY ASSIGNED REGION 4844 (S24W39) WAS A SIMPLE BETA-TYPE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4841 STILL PROVIDES A VERY SLIGHT CHANCE OF MODERATE ACTIVITY DUE TO ITS BETA-DELTA CONFIGURATION. THE CURRENT SLOW DECAY MAY SIMPLIFY THIS CONDITION SOON, BUT THE POTENTIAL FOR SIGNIFICANT FLARING REMAINS UNTIL THEN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z: THE GEOMAGNETIC FIELD WAS AT MINOR STORM TO ACTIVE LEVELS. MAJOR STORM CONDITIONS OCCURRED AT HIGH LATITUDES EARLY IN THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE TO UNSETTLED.

III. EVENT PROBABILITIES 17 AUG-19 AUG

CLASS M 05/05/05

CLASS X 01/01/01

FLUTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 AUG 100

PREDICTED 17 AUG-19 AUG 100/098/095

90 DAY MEAN 16 AUG 084

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 15 AUG 016/038

ESTIMATED AFR/AP 16 AUG 016/033

PREDICTED AFR/AP 17 AUG-19 AUG 009/020-009/016-008/015

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