

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 08/14/87 00:00:00

End : 08/14/87 23:59:00

08/14 22:00

2207

HFUS3 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 7

NNNN

<003>

08/14 22:00

2224

HFUS3 BOU 142200 RTD

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 226

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 14 AUG 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100Z TO 14/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. NEW REGION 4843 (N18E60) IS AN AXX/ALPHA SPOT GROUP. THE REMAINDER OF THE DISK AND LIMBS HAVE BEEN QUIET AND STABLE. CORRECTION TO YESTERDAYS FORECAST: REGION 4842 SHOULD HAVE BEEN CREDITED WITH THE M1.2 X-RAY EVENT AND REGION 4839 SHOULD HAVE BEEN CREDITED WITH THE C4.9/1B EVENT.

IIB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW. ONLY C-CLASS EVENTS ARE EXPECTED FROM THE REGIONS. ANALYSIS INDICATES WEAKENING OF BOTH REGIONS 4839 AND 4841 TO THE POINT THAT ANYTHING MORE ENERGETIC IS UNLIKELY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 13/2100Z TO 14/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED AT MID LATITUDES DURING THE PAST 24 HOURS. HIGH LATITUDE STATIONS WERE PREDOMINATELY ACTIVE WITH MAJOR STORM CONDITIONS OCCURRING EARLY IN THE DAY.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 15 AUG-17 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 AUG 100

PREDICTED 15 AUG-17 AUG 100/099/097

90 DAY MEAN 14 AUG 084

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 AUG 020/047

ESTIMATED AFR/AP 14 AUG 015/029

PREDICTED AFR/AP 15 AUG-17 AUG 015/025-012/025-010/020