

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/10/86 00:00:00

End : 10/10/86 23:59:00

10/10 22:00

2236

HFUS3 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 283

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 10 OCT 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100Z TO 10/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4747 (N35W59) IS A CSO TYPE SPOT GROUP. THIS REGION HAS A LEADER-NEGATIVE TRAILER-POSITIVE MAGNETIC CONFIGURATION THAT IS REVERSED FROM WHAT IS EXPECTED IN SUNSPOT CYCLE NUMBER 21. REGIONS 4748 (S03W47) AND 4749 (S04W42) ARE BXO AND AXX TYPE SPOT GROUPS RESPECTIVELY, AND ARE LOCATED IN THE SAME BIPOLAR MAGNETIC FIELD. NO NEW REGIONS WERE NUMBERED TODAY. ONLY MINOR FLARE ACTIVITY WAS OBSERVED. THE REST OF THE DISK AND LIMBS WERE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. THERE IS A SLIGHT CHANCE FOR AN M-CLASS X-RAY FLARE. NO REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED AT ALL LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED AT MIDDLE LATITUDES AND ACTIVE AT HIGH LATITUDES FOR THE NEXT THREE DAYS. A RECURRENT PATTERN OF ACTIVE CONDITIONS AT ALL LATITUDES (WITH PERIODS OF MINOR STORM AT HIGH LATITUDES) MAY RETURN AS EARLY AS 13 OCTOBER, BUT MAY RETURN LATER.

III. EVENT PROBABILITIES 11 OCT-13 OCT

CLASS M 05/05/04

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 OCT 074

PREDICTED 11 OCT-13 OCT 074/073/073

90 DAY MEAN 10 OCT 070

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 OCT 006/009

ESTIMATED AFR/AP 10 OCT 007/010

PREDICTED AFR/AP 11 OCT-13 OCT 010/015-010/015-010/015

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10/10 22:00

2248

HFUS3 BOU 102200 RTD

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