

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/05/87 00:00:00

End : 10/05/87 23:59:00

10/05 22:00

2200

HFUS3 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 278

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 05 OCT 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100Z TO 05/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4860 (N31W06) APPARENTLY PEAKED-OUT IN ITS GROWTH. IT PRODUCED ONLY VERY MINOR SUBFLARES. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4860 PROVIDES A VERY SLIGHT CHANCE OF MODERATE ACTIVITY. IT IS EXPECTED TO GRADUALLY DECAY DURING THE PERIOD. RETURNING REGION 4853 (S32, L-230) IS EXPECTED BACK THE FIRST DAY (6 OCT). IT PRODUCED MODERATE (M-LEVEL X-RAY) ACTIVITY WHEN IT WAS ON THE DISK LAST.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 04/2100Z TO 05/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO QUIET.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO QUIET THE FIRST DAY (6 OCT), WITH NORMAL ACTIVE TO UNSETTLED CONDITIONS AT HIGH LATITUDES. THE C1/1F FLARE AND EIGHT DEGREE DISAPPEARING FILAMENT FROM REGION 4859 ON 3/1659Z IS EXPECTED TO CAUSE AN ACTIVE DISTURBANCE THE LAST HALF OF THE PERIOD. CORRESPONDING HIGH LATITUDES SHOULD OBSERVE ACTIVE TO MINOR STORM LEVELS WITH OCCASIONAL MAJOR STORM PERIODS DURING LOCAL MIDNIGHTS.

III. EVENT PROBABILITIES 06 OCT-08 OCT

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 OCT 090

PREDICTED 06 OCT-08 OCT 089/088/087

90 DAY MEAN 05 OCT 088

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 OCT 014/020

ESTIMATED AFR/AP 05 OCT 007/015

PREDICTED AFR/AP 06 OCT-08 OCT 007/020-015/025-019/030

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