

SESC Solar Summary and Forecast - For Joe Hirman

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

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

10/10 22:00

2201

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 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100Z TO 10/2100Z: SOLAR ACTIVITY WAS VERY LOW. NEWLY ASSIGNED REGION 4868 (S30E76) IS IN THE VICINITY OF OLD REGION 4857 FROM LAST ROTATION. DURING ITS LAST ROTATION REGION 4857 PRODUCED SEVERAL B-LEVEL SUBFLARES. REGION 4866 (N22E69) HAS GROWN CONSIDERABLY IN WHITE LIGHT AND H-ALPHA.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. REGION 4866 SHOWS POTENTIAL TO INCREASE THE ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED WITH A BRIEF PERIOD OF ACTIVE CONDITIONS AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME GENERALLY UNSETTLED TO ACTIVE BASED ON THE NORTHERN CORONAL HOLE EXTENSION.

III. EVENT PROBABILITIES 11 OCT-13 OCT

CLASS M 05/05/05

CLASS X 01/01/01

FLUTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 OCT 102

PREDICTED 11 OCT-13 OCT 102/100/100

90 DAY MEAN 10 OCT 089

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 OCT 003/009

ESTIMATED AFR/AP 10 OCT 008/013

PREDICTED AFR/AP 11 OCT-13 OCT 015/018-015/018-010/020

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