

3ESC Solar Summary and Forecast - For Joe Hirman

Begin: 12/18/87 00:00:00

End : 12/18/87 23:59:00

12/18 22:00

2202

4FUS3 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 352

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 18 DEC 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/2100Z

TO 18/2100Z: SOLAR ACTIVITY WAS VERY LOW. A LOOP PROMINENCE AT

450 TO N62 ON THE NORTHEAST LIMB DISAPPEARED BETWEEN 17/1534 AND

0851Z TODAY. ITS DISAPPEARANCE MAY BE ASSOCIATED WITH A CORONAL

MASS EJECTION (CME) FROM BEHIND THE NORTHEAST LIMB AT 18/0119Z.

NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 17/2100Z TO 18/2100Z:

THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS

EXPECTED TO BE UNSETTLED TO ACTIVE.

III. EVENT PROBABILITIES 19 DEC-21 DEC

CLASS M 03/02/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 DEC 093

PREDICTED 19 DEC-21 DEC 093/092/091

10 DAY MEAN 18 DEC 096

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 17 DEC 013/020

ESTIMATED AFR/AP 18 DEC 008/011

PREDICTED AFR/AP 19 DEC-21 DEC 008/015-008/018-008/016

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