

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 09/14/87 00:00:00

End : 09/14/87 23:59:00

09/14 22:00

2201

HFUS3 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 257

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 14 SEP 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100Z

TO 14/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4853

(S33E12) IS THE ONLY SPOTTED REGION ON THE DISK, IT HAS

PRODUCED ONE C-6/SB (MAXIMUM 14/0030Z) AND SEVERAL B-LEVEL

X-RAY EVENTS. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO

REMAIN VERY LOW. REGION 4853 PROVIDES A SLIGHT CHANCE OF

MODERATE ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 13/2100Z TO 14/2100Z:

THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO MINOR STORM

CONDITIONS AT MID-LATITUDES. HIGH LATITUDES EXPERIENCED

MAJOR STORM LEVELS EARLY IN THE PERIOD DECREASING TO MINOR

STORM LEVELS THEN TO ACTIVE LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS

EXPECTED TO BE UNSETTLED TO ACTIVE WITH POSSIBLE MINOR STORM

CONDITIONS AT HIGH LATITUDES.

III. EVENT PROBABILITIES 15 SEP-17 SEP

CLASS M 05/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 SEP 086

PREDICTED 15 SEP-17 SEP 084/082/082

90 DAY MEAN 14 SEP 087

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 SEP 022/033

ESTIMATED AFR/AP 14 SEP 022/045

PREDICTED AFR/AP 15 SEP-17 SEP 015/030-010/025-007/017

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