

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 09/16/87 00:00:00

End : 09/16/87 23:59:00

09/16 22:00

2200

HFUS3 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 259

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 16 SEP 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100Z TO 16/2100Z: SOLAR ACTIVITY CONTINUES VERY LOW. REGION 4853 (S32W12), THE ONE SPOTTED REGION NOW VISIBLE, HAS BEEN QUIET WHILE DECAYING. THE LIMBS WERE ALSO QUIET.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED AT MID-LATITUDES SINCE EARLY IN THE DAY: MINOR STORM CONDITIONS WERE OBSERVED THE FIRST SIX HOURS OF THE INTERVAL. HIGH LATITUDES EXPERIENCED MAJOR STORMING EARLY, FOLLOWED BY GENERALLY MINOR STORM TO ACTIVE LEVELS THE LATTER PART OF THE PERIOD. THIS DISTURBANCE MAY BE DUE TO COMBINED FLARE-MAXIMUM AT 14/0030Z WITH ASSOCIATED TYPE II - AND CORONAL HOLE EFFECTS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE MOSTLY UNSETTLED FOR THE NEXT THREE DAYS. THE CURRENT DISTURBANCE SHOULD WEAKEN OVER THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 17 SEP-19 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 SEP 083

PREDICTED 17 SEP-19 SEP 082/082/082

90 DAY MEAN 16 SEP 087

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 15 SEP 024/040

ESTIMATED AFR/AP 16 SEP 015/033

PREDICTED AFR/AP 17 SEP-19 SEP 010/025-010/015-010/015

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