

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 09/17/87 00:00:00

End : 09/17/87 23:59:00

09/17 22:00

2201

HFUS3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 260

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 SEP 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100Z

TO 17/2100Z: SOLAR ACTIVITY CONTINUES VERY LOW. A 45 DEGREE

DSF OCCURRED EARLY IN THE PERIOD IN THE AREA OF N49W16 TO

N35W60. TWO TYPE II RADIO SWEEPS WERE OBSERVED, 17/0654Z

30-80MHZ, AND 17/1515Z 30-52MHZ. NEWLY ASSIGNED REGION

4855 (N12E72) ROTATED ON TO THE DISK AS AN HSX SPOT GROUP.

A C1/SF FLARE OCCURRED AT 17/2024Z FROM NEWLY ASSIGNED

SPOTLESS PLAGE REGION 4856 (S27E61).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO

REMAIN VERY LOW. THE CHANCE FOR MODERATE ACTIVITY IS

INCREASED BY THE APPEARANCE OF NEW REGIONS 4855 AND 4856.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z:

THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED TO ACTIVE

WITH BRIEF PERIODS OF MINOR STORM CONDITIONS AT HIGH

LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS

EXPECTED TO BE ACTIVE TO MINOR STORM LEVELS FOR THE NEXT

THREE DAYS BASED ON THE DSF AND TYPE II ACTIVITY MENTIONED

IN PART IA ABOVE.

III. EVENT PROBABILITIES 18 SEP-20 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 SEP 083

PREDICTED 18 SEP-20 SEP 082/082/082

90 DAY MEAN 17 SEP 087

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 SEP 019/033

ESTIMATED AFR/AP 17 SEP 020/024

PREDICTED AFR/AP 18 SEP-20 SEP 020/030-020/030-020/020

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