

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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