

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/17/86 00:00:00

End : 10/17/86 23:59:00

10/17 22:00

2244

HFUS3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 290

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 OCT 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100Z TO 17/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW TO LOW.

REGION 4750 (N21E72), DKC/BETA-DELTA SPOT GROUP, HAS NEARLY ROTATED FULLY ON THE DISK NOW. THIS REGION HAS BEEN VERY ACTIVE SINCE FIRST APPEARANCE. THERE HAVE BEEN MULTIPLE RADIO SWEEPS AND BURST SINCE YESTERDAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW. REGION 4750 APPEARS TO BE STILL GROWING IN AREA AND SPOT NUMBER. THE REGION HAS THE NECESSARY CHARACTERISTICS FOR CONTINUED FLARING, SOME POSSIBLE ENERGETIC FLARES, AND CONTINUED RADIO EVENTS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET AT MID LATITUDES AND QUIET TO UNSETTLED AT HIGH LATITUDE STATIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY ACTIVE. THE FORECAST IS BASED PRIMARILY ON RECURRENCE. IN ADDITION, WITH THE ADVENT OF THE ACTIVE REGION ON THE DISK NOW, FURTHER ENHANCEMENT IS POSSIBLE.

III. EVENT PROBABILITIES 18 OCT-20 OCT

CLASS M 50/50/50

CLASS X 10/10/10

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 OCT 083

PREDICTED 18 OCT-20 OCT 085/085/084

90 DAY MEAN 17 OCT 070

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 OCT 007/009

ESTIMATED AFR/AP 17 OCT 010/015

PREDICTED AFR/AP 18 OCT-20 OCT 015/020-015/020-015/020

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