

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 07/10/86 00:00:00

End : 07/10/86 23:59:00

07/10 22:00

2128

HFUS3 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 191

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 10 JUL 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100 TO 10/2100Z: SOLAR ACTIVITY WAS GENERALLY LOW DURING THE PAST 24 HOURS. REGION 4735 (NOOE14 DSO/BETA) HAD AN INCREASE IN SPOT NUMBER, HOWEVER, THERE WAS A DECREASE IN PENUMBRA. ALL REPORTS INDICATE THAT REGION 4735 IS ON THE DECLINE. IT HAS BEEN GENERALLY QUIET. REGION 4736 (NO7W52 CSO/BETA) APPEARED AND WAS NUMBERED YESTERDAY AFTERNOON. THE REGION BEGAN ACTIVITY VERY QUICKLY AND IS BELIEVED TO BE RESPONSIBLE FOR SEVERAL X-RAY FLARES. THE LARGEST THUS FAR WAS A C1.7 AT 1342Z TODAY. THE REGION HAS NEAR FLARE INTENSITY POINT BRIGHTENINGS AND OCCASIONAL SUBFLARES.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED DURING THE PREVIOUS 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE ACTIVE ON 11 JULY AND UNSETTLED ON THE 12TH AND 13TH. THE FORECAST IS BASED ON THE REASONING DISCUSSED IN YESTERDAYS REPORT.

III. EVENT PROBABILITIES 11 JUL-13 JUL

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 JUL 073

PREDICTED 11 JUL-13 JUL 072/070/070

90 DAY MEAN 10 JUL 071

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 JUL 007/012

ESTIMATED AFR/AP 10 JUL 010/015

PREDICTED AFR/AP 11 JUL-13 JUL 015/018-010/012-008/012

SOLTERWARN

BT

NNNN

<003>