

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 02/10/86 00:00:00

: 02/10/86 23:59:00

02/10 22:00

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HFUS3 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 041

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 10 FEB 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100 TO 10/2100Z: SOLAR ACTIVITY HAS CONTINUED TO BE VERY LOW FOR THE LAST 24 HOURS. REGION 4711 (S08W70) HAS CONTINUED TO DECAY AS WELL AS REMAIN RELATIVELY QUIET. THE REGION IS NOW A CA0/BETA SPOT GROUP THAT HAS ONLY PRODUCED LOW B AND C CLASS X-RAY FLARES. REGION 4713 (S01W28) HAS CONTINUED TO GROW AND BECOME MORE COMPLEX. THE REGION IS NOW A DK0/BETA-DELTA AND PRODUCED A C9/OB FLARE AS RECENTLY AS 2017UT WHILE THE REGION HAS NOT PRODUCED ANY MAJOR FLARE ACTIVITY. IT SHOWS EXCELLENT POTENTIAL FOR DOING SO. THERE WERE NO NEW REGIONS NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE GENERALLY VERY LOW FOR THE NEXT 24 HOURS WITH PERIODS OF MODERATE ACTIVITY AS REGION 4713 CONTINUES TO GROW AND INCREASE IN COMPLEXITY. REGION 4711 STILL REMAINS A POSSIBLE SOURCE OF ACTIVITY ALSO.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z: GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED TO QUIET FOR PAST 24 HOURS. THERE WERE BRIEF PERIODS OF ACTIVE LEVELS AT THE BEGINNING OF THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE FIRST DAY OF THE FORECAST PERIOD AND THE UNSETTLED FOR THE REMAINING TWO DAYS. THE FORECAST IS BASED ON RECURRENCE.

III. EVENT PROBABILITIES 11 FEB-13 FEB

CLASS M 30/30/30

CLASS X 05/05/05

PROTON 05/05/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 FEB 099

PREDICTED 11 FEB-13 FEB 096/094/092

90 DAY MEAN 10 FEB 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 FEB 074/098

ESTIMATED AFR/AP 10 FEB 007/008

PREDICTED AFR/AP 11 FEB-13 FEB 010/015-010/010-010/010

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