

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 07/26/87 00:00:00

End : 07/26/87 23:59:00

07/26 22:00

2201

HFUS3 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 207

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 26 JUL 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100Z TO 26/2100Z: SOLAR ACTIVITY HAS BEEN LOW. REGION 4826 (S29W71) CONTINUES TO BE THE MAIN FLARE PRODUCER, BUT HAS YIELDED BUT ONE C-CLASS SUBFLARE-MAXIMUM AT 0956Z-DURING THE PERIOD. ANALYSIS OF THE REGION IS INCREASINGLY MORE DIFFICULT AS IT APPROACHES THE LIMB, BUT IT SEEMS TO RETAIN SOME DEGREE OF MAGNETIC COMPLEXITY. THE OTHER FIVE SPOTTED REGIONS HAVE BEEN PREDOMINANTLY QUIET AND STABLE. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW. EXPECT OCCASIONAL C-CLASS SUBFLARES AND PERHAPS AS ISOLATED M-CLASS EVENT OVER THE NEXT 72 HOURS. REGION 4826 HAS THE POTENTIAL TO SUSTAIN THIS LEVEL OF ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE MOSTLY QUIET TO UNSETTLED. HIGH LATITUDES MAY EXPERIENCE MILDLY ACTIVE CONDITIONS 28 JULY AS A RESULT OF A LONG-DURATION X-RAY EVENT ON 24 JULY.

III. EVENT PROBABILITIES 27 JUL-29 JUL

CLASS M 20/20/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 JUL 110

PREDICTED 27 JUL-29 JUL 107/104/100

90 DAY MEAN 26 JUL 083

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 JUL 017/021

ESTIMATED AFR/AP 26 JUL 003/010

PREDICTED AFR/AP 27 JUL-29 JUL 005/015-010/020-010/015

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