

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 05/17/87 00:00:00

End : 05/17/87 23:59:00

05/17 22:00

2234

HFUS3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 137

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 MAY 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100Z TO 17/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4808

(S20W50) CONTINUED TO GROW FOR MOST OF THE PERIOD, DEVELOPING PENUMBRA ON BOTH LEADER AND TRAILER SPOTS. IT PRODUCED OCCASIONAL SUBFLARES, THE LARGEST BEING A CLASS C4.9/SUB-NORMAL FLARE AT 0853UT. THE REGION APHFUS3 BOU 172200

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ABOUT 1700UT. REGION 4811 (N28E48) CONTINUES TO BE THE MOST IMPRESSIVE IN SIZE AND NUMBER OF SPOTS, BUT REMAINED STABLE AND ONLY PRODUCED A FEW SUBFLARES. THE REMAINING REGIONS WERE QUIET AND STABLE. SOLAR RADIO NOISE CONTINUES AT 245 MHZ AND NUMEROUS TYPE III AND TYPE V SWEEPS WERE OBSERVED DURING THE PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. A FEW C CLASS X-RAY FLARES ARE LIKELY DURING THE PERIOD, AND A POSSIBILITY REMAINS FOR M-FLARE ACTIVITY FROM REGIONS 4811 AND 4808.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY QUIET UNTIL ABOUT 1330UT WHEN CONDITIONS BECAME QUIET TO SLIGHTLY UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 18 MAY-20 MAY

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 MAY 095

PREDICTED 18 MAY-20 MAY 095/095/095

90 DAY MEAN 17 MAY 080

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 MAY 005/007

ESTIMATED AFR/AP 17 MAY 005/007

PREDICTED AFR/AP 18 MAY-20 MAY 005/010-007/012-007/012

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05/17 22:00

2025

HFUS3 BOU 172200 RTD

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