

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 04/17/87 00:00:00

End : 04/17/87 23:59:00

04/17 22:00

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HFUS3 BOU 172200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 7

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04/17 22:00

2212
HFUS3 BOU 172200 RTD
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 107
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 17 APR 1987
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100Z
TO 17/2100Z: SOLAR ACTIVITY HAS BEEN LOW. REGION COMPLEX
4787/4790 (S32W63) HAS ONLY PRODUCED A FEW SMALL SUBFARES AND
C-CLASS X-RAY BURSTS SINCE THE LONG DURATION M1/1B EVENT OF
YESTERDAY. LITTLE CHANGE HAS BEEN NOTED IN WHITE LIGHT OR
H-ALPHA DURING THE PAST 24 HOURS. OTHER REGIONS HAVE SHOWN
DECAY OR LITTLE CHANGE. NEW REGION 4793 (N28W40) EMERGED AS
AN A-TYPE SPOT TODAY. AN ACTIVE SURGE REGION NEAR NE25 MAY
MARK THE APPEARANCE OF A NEW REGION. NO SPOTS ARE YET
VISIBLE.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
LOW. AN ISOLATED M-CLASS X-RAY EVENT IS POSSIBLE FROM THE
4787/4790 REGION COMPLEX.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN QUIET AT MIDDLE LATITUDES. THE
HIGH LATITUDE FIELD HAS BEEN MOSTLY QUIET WITH PERIODS OF
UNSETTLED CONDITIONS.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE QUIET TO UNSETTLED FOR THE FIRST TWO DAYS OF
THE PERIOD. MINOR STORM CONDITIONS ARE EXPECTED THE THIRD DAY
AS A RESULT OF THE M1/1B (16/1616Z) EVENT FROM REGIONS 4787/
4790. ANALYSIS OF THE EVENT SUGGESTS THAT THE ARRIVAL OF
THE DISTURBANCE WILL BE LATER THAN ORIGINALLY THOUGHT.
III. EVENT PROBABILITIES 18 APR-20 APR
CLASS M 20/20/20
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 17 APR 097
PREDICTED 18 APR-20 APR 094/090/086
90 DAY MEAN 17 APR 076
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 16 APR 004/006

ESTIMATED AFR/AP 17 APR 003/010
PREDICTED AFR/AP 18 APR-20 APR 010/012-010/015-030/035

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