

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 07/16/87 00:00:00

End : 07/16/87 23:59:00

07/16 22:00

2218
HFUS3 BOU 162200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER OE

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07/16 22:00

2219
HFUS3 BOU 162200
197

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 16 JUL 1987
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100Z
TO 16/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 2823
(N27W74) HAS REMAINED GENERALLY QUIET AND STABLE. NEW
REGION 4824 (S32E68, BXO/BETA) ROTATED ONTO THE DISK
OVERNIGHT. THE B9.2 (15/1304Z) AND C4.4 (16/0104) X-RAY
EVENTS THAT OCCURRED WERE DURING THE SAME TIME FRAME AS
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 197

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EJECTIONS CAME FROM THE SAME GENERAL AREA AS THE LOCATION
OF REGION 4824. THE REMAINDER OF THE DISK AND LIMBS ARE
QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
VERY LOW. THE POSSIBILITY EXISTS THAT REGION 4824 WILL
PRODUCE SIGNIFICANT ACTIVITY, BUT DATA AND ANALYSIS IS NOT
COMPLETE ENOUGH AT THIS TIME FOR A BETTER DETERMINATION.

IIA. GEOPHYSICAL ACTIVITY FORECAST: U2UHTUSST(1TSHLM+L, (U3H, M+L,
5R1HQSSPS1URO(ORVE AT MID
LATITUDES FOR THE PAST 24 HOURS. HIGH LATITUDE STATIONS WERE
AT MINOR STORM LEVELS EXCEPT BETWEEN 1330-1930UT TODAY
WHEN UNSETTLED TO ACTIVE CONDITIONS WERE OBSERVED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE UNSETTLED TO ACTIVE ON 17 AND 19 JULY. THE
FIELD IS EXPECTED TO BE GENERALLY UNSETTLED ON 18 JULY. THE
ACTIVE CONDITIONS ARE EXPECTED DUE TO A COMBINATION OF
RECURRENT AND POSSIBLE ENHANCEMENT FROM THE REPORTED
CORONAL MASS EJECTIONS.

III. EVENT PROBABILITIES 17 JUL-19 JUL

CLASS M 01/01/01
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 JUL 078
PREDICTED 17 JUL-19 JUL 080/081/083
90 DAY MEAN 16 JUL 081

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 15 JUL 022/029
ESTIMATED AFR/AP 16 JUL 025/030
PREDICTED AFR/AP 17 JUL-19 JUL 015/020-015/015-015/018

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07/16 22:00

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HFUS3 BOU 162200 COR

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