

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 0E

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<003>

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 DURIHFUS3 BOU 162200 RTD FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO S NUMBER 197

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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 ACTI? U2UHTUSST(1TSHLM+L, (U3H, M+L,

5R1HQQSSPS1URO(QRVE 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 RECURRENCE 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

2222

HFUS3 BOU 162200 COR

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