

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 07/17/87 00:00:00

End : 07/17/87 23:59:00

07/17 22:00

2204

HFUS3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 198

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 JUL 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100Z

TO 17/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4823

(N27W87) IS NEARLY OFF THE DISK AND REGION 4824 (S32E57)

HAS BEEN STABLE AND QUIET. THERE CONTINUES TO BE SOME

SURGING BEHIND THE LIMB AT APPROXIMATELY THE SAME LATITUDE

AS REGION 4824, BUT AS YET IT IS NOT CORRELATED WITH ANY

ACTIVITY OR REGION.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPE

NNNN

<003>

07/17 22:00

2208

HFUS3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 198

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 JUL 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100Z

TO 17/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4823

(N27W87) IS NEARLY OFF THE DISK AND REGION 4824 (S32E57)

HAS BEEN STABLE AND QUIET. THERE CONTINUES TO BE SOME

SURGING BEHIND THE LIMB AT APPROXIMATELY THE SAME LATITUDE

AS REGION 4824, BUT AS YET IT IS NOT CORRELATED WITH ANY

ACTIVITY OR REGION.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
VERY LOW FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z:

THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TO UNSETTLED EXCEPT

BETWEEN THE HOURS OF 17/0130Z AND 17/0730Z WHEN HIGH LATITUDE

STATIONS WERE AT MINOR TO MAJOR STORM LEVELS. THE REASONS

BEHIND THE INCREASED ACTIVITY LEVELS IS NOT KNOWN AT THIS

TIME.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS

EXPECTED TO BE GENERALLY UNSETTLED FOR THE FIRST AND THIRD

DAY OF THE FORECAST PERIOD. UNSETTLED TO ACTIVE CONDITIONS

ARE EXPECTED TO PREDOMINATE ON 19 JULY.

III. EVENT PROBABILITIES 18 JUL-20 JUL

CLASS M 01/01/01

CLASS X 01/01/01

CTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX
OBSERVED 17 JUL 079
PREDICTED 18 JUL-20 JUL 080/081/081
90 DAY MEAN 17 JUL 080
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 16 JUL 023/029
ESTIMATED AFR/AP 17 JUL 016/026
PREDICTED AFR/AP 18 JUL-20 JUL 010/015-015/018-010/015

NNNN

<003>
07/17 22:00

2210
HFUS3 BOU 172200 RTD
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 198
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 17 JUL 1987
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100Z
TO 17/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4823
(N27W87) IS NEARLY OFF THE DISK AND REGION 4824 (S32E57)
HAS BEEN STABLE AND QUIET. THERE CONTINUES TO BE SOME
SURGING BEHIND THE LIMB AT APPROXIMATELY THE SAME LATITUDE
AS REGION 4824, BUT AS YET IT IS NOT CORRELATED WITH ANY
ACTIVITY OR REGION.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
VERY LOW FOR THE NEXT THREE DAYS.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TO UNSETTLED EXCEPT
BETWEEN THE HOURS OF 17/0130Z AND 17/0730Z WHEN HIGH LATITUDE
STATIONS WERE AT MINOR TO MAJOR STORM LEVELS. THE REASONS
BEHIND THE INCREASED ACTIVITY LEVELS IS NOT KNOWN AT THIS
TIME.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE GENERALLY UNSETTLED FOR THE FIRST AND THIRD
DAY OF THE FORECAST PERIOD. UNSETTLED TO ACTIVE CONDITIONS
ARE EXPECTED TO PREDOMINATE ON 19 JULY.
III. EVENT PROBABILITIES 18 JUL-20 JUL
CLASS M 01/01/01
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 17 JUL 079
PREDICTED 18 JUL-20 JUL 080/081/081
90 DAY MEAN 17 JUL 080
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 16 JUL 023/029
ESTIMATED AFR/AP 17 JUL 016/026
PREDICTED AFR/AP 18 JUL-20 JUL 010/015-015/018-010/015

NNNN

<003>
07/17 22:00

2233
HFUS3 BOU 172200 COR
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 198
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

: : : : : CORRECTED TEXT : : : : : : : : :

ISSUED 2200Z 17 JUL 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100Z
TO 17/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4823
(N27W87) IS NEARLY OFF THE DISK AND REGION 4824 (S32E57)
HAS BEEN STABLE AND QUIET. THERE CONTINUES TO BE SOME
SURGING BEHIND THE LIMB AT APPROXIMATELY THE SAME LATITUDE
AS REGION 4824, BUT AS YET IT IS NOT CORRELATED WITH ANY
ACTIVITY OR REGION.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
VERY LOW FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TO UNSETTLED EXCEPT
BETWEEN THE HOURS OF 17/0130Z AND 17/0730Z WHEN HIGH LATITUDE
STATIONS WERE AT MINOR TO MAJOR STORM LEVELS. THE REASONS
BEHIND THE INCREASED ACTIVITY LEVELS IS NOT KNOWN AT THIS
TIME.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE GENERALLY UNSETTLED FOR THE FIRST AND THIRD
DAY OF THE FORECAST PERIOD. UNSETTLED TO ACTIVE CONDITIONS
ARE EXPECTED TO PREDOMINATE ON 19 JULY.

III. EVENT PROBABILITIES 18 JUL-20 JUL

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

1. OTTAWA 10.7 CM FLUX

OBSERVED 17 JUL 079

PREDICTED 18 JUL-20 JUL 080/081/082

90 DAY MEAN 17 JUL 080

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 JUL 023/029

ESTIMATED AFR/AP 17 JUL 016/026

PREDICTED AFR/AP 18 JUL-20 JUL 010/015-015/018-010/015

PLAIN

CORRECTION TO 20 JUL PREDICTED FLUX - 082

BT

NNNN

<003>