

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 08/10/87 00:00:00

End : 08/10/87 23:59:00

08/10 22:00

2204  
HFUS3 BOU 102200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER N

NNNN

<003>  
08/10 22:00

2208  
HFUS3 BOU 102200 COR  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 222

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 10 AUG 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100Z TO 10/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4835 (S22W61) HAS SLOWED DRAMATICALLY IN ACTIVITY DURING THE PREVIOUS 24 HOURS. THIS EHO/BETA GROUP HAS PRODUCED ONLY WEAK C-CLASS X-RAY EVENTS. NEW REGION 4839 (S26E61) IS NOW A CA0/BETA-DELTA SPOT GROUP. THE REGION HAS BEEN RELATIVELY QUIET SINCE PRODUCING THE M-CLASS EVENT OF YESTERDAY. THE REMAINDER OF THE DISK AND LIMBS ARE QUIET EXCEPT FOR SURGING OCCURRING ON THE NORTHEAST LIMB.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. REGION 4839 HAS PROVEN ITS POTENTIAL FOR ENERGETIC EVENTS AND CONSEQUENTLY PROBABILITIES ARE RAISED TO INDICATE THIS POTENTIAL. THE OLD REGION COMPLEX OF 4824/4826 IS DUE TO RETURN ON 11 AUGUST.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED DURING THE PAST 24 HOURS.

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

III. EVENT PROBABILITIES 11 AUG-13 AUG

CLASS M 30/30/20

CLASS X 02/02/02

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 AUG 092

PREDICTED 11 AUG-13 AUG 094/096/096

90 DAY MEAN 10 AUG 084

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 AUG 011/019

ESTIMATED AFR/AP 10 AUG 007/011

PREDICTED AFR/AP 11 AUG-13 AUG 012/015-012/015-010/015

NNNN

<003>

08/10 22:02

032

US3 BOU 102202

FROM SPACE ENVIRONMENT SERVICES CENTER. BOULDER. COLORADO  
SDF NUMBER 222

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 10 AUG 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100Z  
TO 10/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4835  
(S22W61) HAS SLOWED DRAMATICALLY IN ACTIVITY DURING THE  
PREVIOUS 24 HOURS. THIS EHO/BETA GROUP HAS PRODUCED ONLY WEAK  
C-CLASS X-RAY EVENTS. NEW REGION 4839 (S26E61) IS NOW A CAO/  
BETA-DELTA SPOT GROUP. THE REGION HAS BEEN RELATIVELY QUIET  
SINCE PRODUCING THE M-CLASS EVENT OF YESTERDAY. THE  
REMAINDER OF THE DISK AND LIMBS ARE QUIET EXCEPT FOR SURGING  
OCCURRING ON THE NORTHEAST LIMB.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE  
LOW TO MODERATE. REGION 4839 HAS PROVEN ITS POTENTIAL FOR  
ENERGETIC EVENTS AND CONSEQUENTLY PROBABILITIES ARE RAISED TO  
INDICATE THIS POTENTIAL. THE OLD REGION COMPLEX OF 4824/4826  
IS DUE TO RETURN ON 11 AUGUST.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z:  
THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED DURING  
THE PAST 24 HOURS.

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

III. EVENT PROBABILITIES 11 AUG-13 AUG

CLASS M	30/30/20
CLASS X	02/02/02
PROTON	02/02/02
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	10 AUG	092
PREDICTED	11 AUG-13 AUG	094/096/096
90 DAY MEAN	10 AUG	084

V. GEOMAGNETIC A INDICES

OBSERVED	AFR/AP	09 AUG	011/019
ESTIMATED	AFR/AP	10 AUG	007/011
PREDICTED	AFR/AP	11 AUG-13 AUG	012/015-012/015-010/015

NNNN

<003>