

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/09/87 00:00:00

End : 10/09/87 23:59:00

10/09 22:00

2204

HFUSS BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 282

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 09 OCT 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/2100Z TO 09/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4866 (N22E78) WAS NEWLY ASSIGNED AND ROTATED ONTO THE DISK AS A LARGE SINGLE SPOT WITH PENUMBRA. NEWLY ASSIGNED REGION 4867 (S35E58) ROTATED ON AS A SMALL SINGLE SPOT WITHOUT PENUMBRA.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. PRELIMINARY DATA INDICATE A POTENTIAL INCREASE

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10/09 22:00

2240

HFUSS BOU 092200 RTD

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 282

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

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IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/2100Z TO 09/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4866 (N22E78) WAS NEWLY ASSIGNED AND ROTATED ONTO THE DISK AS A LARGE SINGLE SPOT WITH PENUMBRA. NEWLY ASSIGNED REGION 4867 (S35E58) ROTATED ON AS A SMALL SINGLE SPOT WITHOUT PENUMBRA.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. PRELIMINARY DATA INDICATE A POTENTIAL INCREASE IN ACTIVITY FROM ON AND BEHIND THE EAST LIMB.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 08/2100Z TO 09/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE. INCREASED ACTIVITY ON 11 AND 12 OCTOBER IS DUE TO A NORTHERN CORONAL HOLE EXTENSION.

III. EVENT PROBABILITIES 10 OCT-12 OCT

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 OCT 093

PREDICTED 10 OCT-12 OCT 090/090/090

24 DAY MEAN 09 OCT 089

GEO MAGNETIC A INDICES

OBSERVED AFR/AP 08 OCT 007/010

ESTIMATED AFR/AP 09 OCT 002/010  
PREDICTED AFR/AP 10 OCT-12 OCT 010/016-015/016-015/018

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HFUS3 BOU 092200

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10/09 22:00

0045

HFUS3 BOU 092200

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10/09 22:00

2216

HFUS3 BOU 092200

IONFM 36602 71009 /1500 750/9 00010 84531 00010 830/9 00016  
930/6 00010 93030 00010 033/0 00010 03028 00010 IONFM 33502  
71009 /1800 94334 00016 93731 00016 03329 00016 03130 00016  
13328 00016 13327 00016 IONFM 38601 71009 /1700 82631 00010  
92730 02312 9/1/1 04015 0/0/0 //0/0 02331 00010 12629 00010  
IONFM 33702 71009 /1700 84432 00014 94132 00012 93132 022 1212 0  
0/1/1 04012 0/0/0 //0/0 1/1/1 05510 IONFM 36801 71009 /1700  
83233 05210 9/0/0 //0/0 93234 02010 03233 02010 03229 02210  
13032 01810 IONFM 38701 71009 /1700 82929 02015 93033 02415  
9/0/0 //0/0 0/1/1 06215 0/1/1 04015 1/2/2 //2/2 1/1/1 03819  
IONFM 45601 71009 /1700 8/6/6 00010 9/0/0 //0/0 92828 02311  
03132 02313 04636 02912 15934 03212 16936 02412 IONFM 36401  
71009 /1700 8/0/0 //0/0 9/0/0 //0/0 9/0/0 //0/0 0/0/0 //0/0  
0/0/0 //0/0 1/0/0 //0/0 1/0/0 //0/0 IONFM 43501 71009 /1600  
84530 00011 84430 00010 94132 00011 94029 03010 03931 02010  
04032 00010 IONFM 37701 71009 /1700 8/6/6 00015 93330 00015  
9/0/0 //0/0 0/6/6 00010 0/6/6 00016 1/6/6 02410 1/6/6 00015  
IONFM 28701 71009 /1700 8/1/1 03518 92234 00013 93534 00013  
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