

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 07/18/87 00:00:00

End : 07/18/87 23:59:00

07/18 22:00

2221

HFUS3 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 199

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 18 JUL 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/2100Z TO 18/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4824 (S32E44, CAO/BETA) HAS BEEN QUIET EXCEPT FOR INTERMITTENT PLAGE FLUCTUATIONS. NEW REGION 4825 (N22E72) IS A SIMPLE PLAGE REGION AT PRESENT. HOWEVER, THE REGION HAS PRODUCED BOTH OPTICAL AND X-RAY EVENTS SINCE ROTATING ONTO THE DISK.  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 199

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 18 JUL 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/2100Z TO 18/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4824 (S32E44, CAO/BETA) HAS BEEN QUIET EXCEPT FOR INTERMITTENT PLAGE FLUCTUATIONS. NEW REGION 4825 (N22E72) IS A SIMPLE PLAGE REGION AT PRESENT. HOWEVER, THE REGION HAS PRODUCED BOTH OPTICAL AND X-RAY EVENTS SINCE ROTATING ONTO THE DISK.  
NEW REGION 4826 (S27E31, AXX/ALPHA) WAS NUMBERED BY SESC TODAY. THIS REGION HAS BEEN QUIET, BUT HAS BEGUN TO DISPLAY ARCH FILAMENT SYSTEMS WITHIN IT. THE SOUTHEAST LIMB HAS CONTINUED TO HAVE WEAK TO MODERATE SURGING DURING THE PAST 24 HOURS.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 17/2100Z TO 18/2100Z: THE GEOMAGNETIC FIELD HAS VARIED BETWEEN UNSETTLED AND ACTIVE FOR THE PAST 24 HOURS. BRIEF PERIODS OF MINOR STORM CONDITIONS WERE OBSERVED HIGH LATITUDE STATIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE ON 19 JULY AND GENERALLY UNSETTLED DURING THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 19 JUL-21 JUL

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 JUL 080

PREDICTED 19 JUL-21 JUL 082/083/083

90 DAY MEAN 18 JUL 080

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 17 JUL 017/027

ESTIMATED AFR/AP 18 JUL 015/018

PREDICTED AFR/AP 19 JUL-21 JUL 015/018-010/015-010/011

NNNN

<003>

07/18 22:00

2228

HEUS3 BOU 182200 COR

NM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 199

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 18 JUL 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/2100Z TO 18/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4824 (S32E44, CAO/BETA) HAS BEEN QUIET EXCEPT FOR INTERMITTENT PLAGE FLUCTUATIONS. NEW REGION 4825 (N22E72) IS A SIMPLE PLAGE REGION AT PRESENT. HOWEVER, THE REGION HAS PRODUCED BOTH OPTICAL AND X-RAY EVENTS SINCE ROTATING ONTO THE DISK. NEW REGION 4826 (S27E31, AXX/ALPHA) WAS NUMBERED BY SESC TODAY. THIS REGION HAS BEEN QUIET, BUT HAS BEGUN TO DISPLAY ARCH FILAMENT SYSTEMS WITHIN IT. THE SOUTHEAST LIMB HAS CONTINUED TO HAVE WEAK TO MODERATE SURGING DURING THE PAST 24 HOURS.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 17/2100Z TO 18/2100Z: THE GEOMAGNETIC FIELD HAS VARIED BETWEEN UNSETTLED AND ACTIVE FOR THE PAST 24 HOURS. BRIEF PERIODS OF MINOR STORM CONDITIONS WERE OBSERVED HIGH LATITUDE STATIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE ON 19 JULY AND GENERALLY UNSETTLED DURING THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 19 JUL-21 JUL

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 JUL 080

PREDICTED 19 JUL-21 JUL 082/083/083

90 DAY MEAN 18 JUL 080

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 17 JUL 017/027

ESTIMATED AFR/AP 18 JUL 015/018

PREDICTED AFR/AP 19 JUL-21 JUL 015/018-010/015-010/011

NNNN

<003>