

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 03/13/87 00:00:00

End : 03/13/87 23:59:00

03/13 22:00

201

HFUS3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 072

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100Z TO 13/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE DISK IS CURRENTLY SPOTLESS, HOWEVER, WHAT APPEARS TO BE A NEW REGION HAS BEEN OBSERVED AT S35E90. SEVERAL PERIODS OF SURGING HAS BEEN NOTED IN ADDITION TO A BRILLIANT SUBFLARE THAT OCCURRED AT 13/1639Z. A LONG DURATION X-RAY EVENT (13/0741-13/1630 MAX B4.5) IS BELIEVED TO HAVE BEEN ASSOCIATED WITH THIS NEW AREA. THERE HAVE BEEN SEVERAL IMPULSIVE B-CLASS EVENTS SINCE THAT TIME.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. NO SIGNIFICANT REGIONS ARE DUE TO RETURN, BUT, THE ACTIVITY LOCATED AT S35E90 WILL CONTINUE TO BE MONITORED.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY ACTIVE TO UNSETTLED ONE PERIOD OF MINOR STORM CONDITIONS WAS OBSERVED MAINLY AT HIGH LATITUDES FROM 13/0000Z TO 13/0300Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE ON 14 MARCH AND UNSETTLED THE REMAINING TWO DAYS.

III. EVENT PROBABILITIES 14 MAR-16 MAR

CLASS M 02/02/02

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 MAR 070

PREDICTED 14 MAR-16 MAR 072/073/074

90 DAY MEAN 13 MAR 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 MAR 013/015

ESTIMATED AFR/AP 13 MAR 012/014

PREDICTED AFR/AP 14 MAR-16 MAR 015/020-012/013-010/012

NNNN

<003>

03/13 22:00

2211

HFUS3 BOU 132200 COR

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 072

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 MAR 1987

: : : : : CORRECTED COPY : : : : :
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100Z
TO 13/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE DISK IS
CURRENTLY SPOTLESS, HOWEVER, WHAT APPEARS TO BE A NEW REGION
HAS BEEN OBSERVED AT S35E90. SEVERAL PERIODS OF SURGING HAS
BEEN NOTED IN ADDITION TO A BRILLIANT SUBFLARE THAT OCCURRED
13/1639Z. A LONG DURATION X-RAY EVENT (13/0741-13/1630
MAX B4.5) IS BELIEVED TO HAVE BEEN ASSOCIATED WITH THIS
NEW AREA. THERE HAVE BEEN SEVERAL IMPULSIVE B-CLASS
EVENTS SINCE THAT TIME.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
VERY LOW. NO SIGNIFICANT REGIONS ARE DUE TO RETURN, BUT,
THE ACTIVITY LOCATED AT S35E90 WILL CONTINUE TO BE MONITORED.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN GENERALLY ACTIVE TO UNSETTLED
ONE PERIOD OF MINOR STORM CONDITIONS WAS OBSERVED MAINLY
AT HIGH LATITUDES FROM 13/0000Z TO 13/0300Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE ACTIVE ON 14 MARCH AND UNSETTLED THE REMAINING
TWO DAYS.

III. EVENT PROBABILITIES 14 MAR-16 MAR

CLASS M 02/02/02

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 MAR 070

PREDICTED 14 MAR-16 MAR 072/073/074

90 DAY MEAN 13 MAR 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 MAR 013/015

ESTIMATED AFR/AP 13 MAR 010/016

PREDICTED AFR/AP 14 MAR-16 MAR 015/020-012/013-010/012

NNNN

<003>