

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 01/14/86 00:00:00

End : 01/14/86 23:59:00

14 22:00

2118

HFUS3 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 014

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 14 JAN 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100 TO 14/2100Z: SOLAR ACTIVITY HAS CONTINUED VERY LOW FOR THE PAST 24 HOURS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE FORECAST PERIOD. REGION 4710 (S13W67) IS A C50-BETA SPOT GROUP WITH ELEVEN SPOTS AND APPRECIABLE GROWTH IN AREA COVERAGE. THE MAJORITY OF SPOT AND AREA CHANGE HAS BEEN IN THE TRAILER PORTION. THE REGION HAS PRODUCED SEVERAL X-RAY FLARES MOST OF WHICH WERE B-CLASS. THE MOST SIGNIFICANT FLARE THUS FAR WAS A C3.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 13/2100Z TO 14/2100Z: THE GEOMAGNETIC FIELD HAS REMAINED QUIET FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE FOR THE FIRST TWO DAYS WITH POSSIBLE STORM CONDITIONS OCCURRING ON 15 JANUARY. ON THE THIRD DAY OF THE FORECAST PERIOD THE FIELD IS EXPECTED TO DROP BACK TO QUIET. THE ACTIVITY ON 15 AND 16 JANUARY IS BASED PRIMARILY ON RECURRENCE.

III. EVENT PROBABILITIES 15 JAN-17 JAN

KSS M 01/01/01

KSS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 JAN 079

PREDICTED 15 JAN-17 JAN 078/077/077

90 DAY MEAN 14 JAN 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 JAN 002/005

ESTIMATED AFR/AP 14 JAN 010/012

PREDICTED AFR/AP 15 JAN-17 JAN 025/025-015/015-005/005

SOLTERWARN

BT

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