

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 02/28/86 00:00:00

: 02/28/86 23:59:00

02/28 22:00

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HFUS3 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 059

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 28 FEB 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100 TO 28/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4716 (N02W33) HAS DECLINED IN MOST PARAMETERS AND IS NOW A BXD TYPE SPOT GROUP. NEW REGION 4717 (S00E85) HAS ROTATED ONTO THE DISK NEAR THE EXPECTED LOCATION OF RETURNING REGION 4713. ITS ARRIVAL WAS PRECEDED BY AN ACTIVE PROMINENCE AND MINOR SURGING. MINOR FLARE ACTIVITY HAS BEEN OBSERVED IN REGION 4717 WHICH IS AN HKX TYPE SPOT GROUP. A THREE DEGREE FILAMENT DISAPPEARED LATE ON 27 FEBRUARY NEAR S16W40. THE REST OF THE DISK AND LIMBS WERE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. REGION 4717 WILL CONTINUE TO PRODUCE MINOR FLARE ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z: GEOMAGNETIC ACTIVITY HAS BEEN GENERALLY ACTIVE WITH BRIEF PERIODS OF MINOR TO MAJOR STORM CONDITIONS AT HIGH LATITUDES.

IB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE ACTIVE WITH PERIODS OF MINOR STORM CONDITIONS FOR THE NEXT 48 HOURS AND UNSETTLED FOR THE SUBSEQUENT 24 HOURS. THE STORM CONDITIONS ARE FORECAST ON THE BASIS OF THE EXPECTED EFFECTS OF THE FILAMENT DISAPPEARANCE 26 FEB.

III. EVENT PROBABILITIES 01 MAR-03 MAR

CLASS M 10/10/10

CLASS X 02/02/02

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 FEB 079

PREDICTED 01 MAR-03 MAR 082/084/086

90 DAY MEAN 28 FEB 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 FEB 019/024

ESTIMATED AFR/AP 28 FEB 015/025

PREDICTED AFR/AP 01 MAR-03 MAR 020/020-018/020-008/015

SOLTERWARN

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