

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 01/13/86 00:00:00

End : 01/13/86 23:59:00

13 22:00

2129

HFUS3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 013

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 JAN 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100 TO 13/2100Z: SOLAR ACTIVITY HAS CONTINUED TO BE VERY LOW FOR THE LAST 24 HOURS.

IB. SOLAR ACTIVITY FORECAST: THE SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE FORECAST PERIOD. THERE IS ONE NEW SPOTTED REGION ON THE DISK. REGION 4710 (S13W52) IS A CRO-BETA GROUP THAT HAS PRODUCED ONE SUB-NORMAL OPTICAL FLARE AND THREE B-XRAY FLARES. THE REMAINDER OF THE DISK AND LIMBS ARE QUIET.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE TO STORM LEVELS FOR THE FIRST TWO DAYS OF THE FORECAST PERIOD AND THEN RETURN TO LOW ACTIVE LEVELS ON THE LAST DAY. THE ELEVATION IN ACTIVITY ON 14 AND 15 JANUARY IS ATTRIBUTED TO A CORONAL HOLE NEAR CENTRAL MERIDIAN AND A DISAPPEARING FILAMENT (S22E46) THAT OCCURRED ON 10 JANUARY. THE CONTRIBUTION OF THE FILAMENT IS UNCERTAIN BECAUSE OF LONG DURATION DISAPPEARANCE AND REFORMATION COMBINED WITH LOCATION.

III. EVENT PROBABILITIES 14 JAN-16 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 JAN 077

PREDICTED 14 JAN-16 JAN 076/075/075

90 DAY MEAN 13 JAN 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 JAN 004/006

ESTIMATED AFR/AP 13 JAN 012/010

PREDICTED AFR/AP 14 JAN-16 JAN 019/055-028/025-015/015

SOLTERWARN

BT

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