

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 03/08/86 00:00:00

End : 03/08/86 23:59:00

03/08 22:00

2135

HFUS3 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 067

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 08 MAR 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100 TO 08/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4717 (S00W26) CONTINUED TO DECAY. IT WAS A CKI BETA-TYPE. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4717 PROVIDES A VERY SLIGHT CHANCE OF MODERATE ACTIVITY (M-LEVEL X-RAY).

IIA. THE GEOMAGNETIC FIELD WAS AT MINOR STORM TO ACTIVE LEVELS. MAJOR STORM CONDITIONS OCCURRED AT HIGH LATITUDES. THIS DISTURBANCE IS PROBABLY DUE TO THE TWO DISAPPEARING FILAMENTS OF 3 MAR - 13 DEGREES FROM N02E24 AND 11 DEGREES FROM S09E49. THE M1/1B FLARE OF 5/0709Z MAY HAVE ALSO CONTRIBUTED (ESPECIALLY TO THE SUDDEN IMPULSE OF 8/1624Z TODAY.)

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE TO UNSETTLED LEVELS THE FIRST AND SECOND DAYS (9-10 MAR). THIS GRADUAL RESTABILIZATION SHOULD THEN BE DISRUPTED BY VERY ACTIVE CONDITIONS ON THE THIRD DAY (11 MAR) DUE TO THE NEGATIVE CORONAL HOLE AT CENTRAL MERIDIAN TODAY. STORM CONDITIONS AT HIGH LATITUDES ARE PROBABLE ON THAT LAST DAY.

III. EVENT PROBABILITIES 09 MAR-11 MAR

CLASS M 04/03/02

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 MAR 086

PREDICTED 09 MAR-11 MAR 083/080/077

90 DAY MEAN 08 MAR 079

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 MAR 023/043

ESTIMATED AFR/AP 08 MAR 020/030

PREDICTED AFR/AP 09 MAR-11 MAR 017/025-012/020-019/025

SOLTERWARN

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