

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 03/04/86 00:00:00
: 03/04/86 23:59:00

03/04 22:00

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HFUS3 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 063

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 04 MAR 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 03/2100 TO 04/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4717 (N01E29) CONTINUES TO EXHIBIT GROWTH IN SPOTS AND AREA. IT REMAINS A DKC BETA-DELTA SPOT GROUP. THE M-CLASS X-RAY EVENT THAT WAS REPORTED IN THE FORECAST YESTERDAY DID NOT HAVE AN OPTICALLY CORRELATED FLARE, BUT WAS STRONGLY SUSPECTED OF BEING ASSOCIATED WITH REGION 4717. REGION 4718 (N01W41) CONTINUES TO BE STABLE AND QUIET. NO NEW REGIONS WERE NUMBERED TODAY. THE REMAINDER OF THE DISK AND LIMBS ARE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE FOR THE NEXT THREE DAYS AS REGION 4717 CONTINUES TO EXHIBIT THE POTENTIAL FOR M-CLASS X-RAY EVENTS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 03/2100Z TO 04/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE DURING THE PAST 24 HOURS. THERE WERE BRIEF PERIODS OF STORM CONDITIONS OBSERVED AT HIGH LATITUDES.

IIIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE ENTIRE FORECAST PERIOD. THE FORECAST IS BASED ON POSSIBLE EFFECTS FROM A DISAPPEARING FILAMENT (S09E47) REPORTED ON 1 MARCH.

III. EVENT PROBABILITIES 05 MAR-07 MAR

CLASS M 50/50/50

CLASS X 10/10/10

PROTON 05/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 MAR 093

PREDICTED 05 MAR-07 MAR 097/099/097

90 DAY MEAN 04 MAR 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 03 MAR 011/013

ESTIMATED AFR/AP 04 MAR 010/015

PREDICTED AFR/AP 05 MAR-07 MAR 010/015-015/020-010/020

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