

HFUS3 BOU 072200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 097

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 07 APR 1985

I.A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/2100Z TO 07/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4642 (S22W26) HAS DETERIORATED IN AREA AND SPOT NUMBER SINCE YESTERDAY. REGION 4643 (S16E21) HAS LOST ITS SPOTS. REGION 4640 (S28W41) PRODUCED A SUB-FAINT FLARE (0353Z) AND POINT BRIGHTENINGS. DARK SURGING ON THE DISK WAS OBSERVED IN THE SW QUADRANT ALONG WITH THREE DISAPPEARING FILAMENTS (LOCATIONS S28W21 - S30W21 - S31W15, 8, 5, AND 8 DEGREES LONG RESPECTIVELY). THE REST OF THE DISK AND LIMBS WERE QUIET. NO NEW REGIONS WERE NUMBERED TODAY.

I.B. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT THREE DAYS. NO RETURNING REGIONS ARE EXPECTED TO PRODUCE ANY SIGNIFICANT ACTIVITY.

II.A. GEOPHYSICAL ACTIVITY SUMMARY FROM 06/2100Z TO 07/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED. ISOLATED MINOR STORM CONDITIONS WERE OBSERVED AT HIGH LATITUDES IN THE NIGHT-TIME HOURS.

II.B. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 08 APR-10 APR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 APR 070

PREDICTED 08 APR-10 APR 070/070/070

90 DAY MEAN 07 APR 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 APR 003/008

ESTIMATED AFR/AP 07 APR 008/012

PREDICTED AFR/AP 08 APR-10 APR 008/010-008/010-008/015

SOLTERWARN

BT