

HFUS 3 BOU 252200Z

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 085

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 25 MAR 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100Z TO 25/2100Z: SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. THERE ARE TEN SPOTTED REGIONS ON THE DISK AND ALL ARE ALPHA AND SIMPLE BETA MAGNETIC TYPES. REGION 4449 (S14E01) IS NOW SHOWING DEFINITE SIGNS OF DECAY AND ITS MINIMAL THREAT DIMINISHED LIKEWISE. REGION 4443 (N13W49) IS THE OTHER FAIRLY LARGE VISIBLE REGION BUT IT HAS BEEN BASICALLY STABLE IN ITS GROWTH PATTERNS FOR THE PAST THREE DAYS. THREE REGIONS WERE NUMBERED TODAY: 4452 (N18E17), 4453 (S15E10) AND 4454 (S10E73). NEITHER OF THE THREE PRESENTLY HAS POTENTIAL FOR ENERGETIC ACTIVITY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW FOR THE NEXT THREE DAYS. THE RETURN OF REGIONS 4430, 4432 AND 4435 IS NOT EXPECTED TO CHANGE THE ACTIVITY LEVEL SIGNIFICANTLY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE TO STORM LEVELS. A SMALL FILAMENT DISAPPEARANCE ON 20 MARCH MAY BE THE CAUSE OF THIS DISTURBANCE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED FOR THE NEXT TWO DAYS WITH ACTIVE CONDITIONS ON THE THIRD DAY AS THE FIELD COMES UNDER THE INFLUENCE OF A CORONAL HOLE.

III. EVENT PROBABILITIES 26 MAR-28 MAR

CLASS M 25/15/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 MAR 112

PREDICTED 26 MAR-28 MAR 111/110/108

90 DAY MEAN 25 MAR 123

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 MAR 011/013

ESTIMATED AFR/AP 25 MAR 025/030

PREDICTED AFR/AP 26 MAR-28 MAR 010/015-014/015-020/025

SOLTERWARN

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