

HFUS 1 BOU 261300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 085A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 26 MAR 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/1200Z TO 26/1200Z: SOLAR ACTIVITY HAS BEEN MODERATE FOR THE LAST 24 HOURS. REGION 3659 (N12E33) PRODUCED A M2/1B AT 25/1623Z WITH MODERATE CENTIMETRIC BURSTS AND A STRONG SHORT WAVE FADE THROUGH 15 MHZ. REGION 3662 (S19E66) PRODUCED A M2/SB AT 26/0545Z WITH MODERATE CENTIMETRIC BURSTS. THE COMPLEXITY OF REGION 3659 HAS BEEN ENHANCED BY THE DEVELOPMENT OF TRAILER POLARITY SPOTS JUST AHEAD OF THE LARGE LEADER. REGION 3662 IS STILL TOO CLOSE TO THE LIMB FOR APPROPRIATE EVALUATION. REGIONS 3663 (S06E36) AND 3664 (S12E72) HAVE BEEN ADDED DURING THE PAST 24 HOURS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE.

III. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST 24 HOURS. UNSETTLED FIELD CONDITIONS ARE EXPECTED THE NEXT 24-36 HOURS FOLLOWED BY UNSETTLED TO SLIGHTLY ACTIVE CONDITIONS.

III. EVENT PROBABILITIES 27 MAR-29 MAR

CLASS M 80/80/80

CLASS X 15/15/15

PROTON 05/05/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 MAR 191

ESTIMATED 26 MAR 195

PREDICTED 27 MAR-29 MAR 200/204/208

90 DAY MEAN 25 MAR 201

V. GEOMAGNETIC A INDICES

OBSERVED AFR 24 MAR 014 AP 25 MAR 016

ESTIMATED AFR 25 MAR 014 AFR/AP 26 MAR 012/012

PREDICTED AFR/AP 27 MAR-29 MAR 010/012-014/012-014/015

SOLTERWARN

BT

HXUS BOU 261300

PREDM 08027 08028 08029

PREDX 01527 01528 01529

PREDP 00527 00528 01029

PCAFF 00127

TENCM 20027 20428 20829

AFRED 01027 01428 01429

AFAPF 01227 01228 01529

KKK 23333 32223 33332

PT