

HFXS 1 BOU 281300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 087A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 28 MAR 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/1200Z TO 28/1200Z: SOLAR ACTIVITY HAS BEEN MODERATE. REGION 3659 (N12E06) PRODUCED A LONG-LIVED M4/2B AT 27/1407Z. STRONG SHORT WAVE FADE THROUGH 22 MHZ AND A 200 FU BURST AT 2695 MHZ WERE RECORDED WITH THIS FLARE. ANOTHER LONG-LIVED C9/1B FLARE OCCURRED IN REGION 3659 AT 28/0626Z. ONLY WEAK CENTIMETRIC BURSTS ACCCOMPANIED THIS FLARE. REGION 3659 CONTINUES TO RESTRUCTURE. REGION 3662 (S21E39) PRODUCED AN IMPULSIVE M2/SB AT 28/1002Z. MODERATE CENTIMETRIC BURSTS, WITH 160 FU AT 2695 MHZ, WERE RECORDED WITH THIS FLARE. SLOW GROWTH CONTINUES IN REGION 3662. REGION 3658 (S12W01) PRODUCED A C3/1B AT 28/0302Z. REGIONS 3665 (N09W41), 3666 (N19W21), AND 3667 (N19E56), ALL SIMPLE IN STRUCTURE, WERE ADDED ON 27 MARCH.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE WITH REGIONS 3659 AND 3662 CONTINUING TO PRODUCE MID LEVEL CLASS C TO LOW LEVEL CLASS M FLARES.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN UNSETLED AND THESE CONDITIONS ARE EXPECTED TO PERSIST THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 29 MAR-31 MAR

CLASS M 80/80/80

CLASS X 10/05/05

PROTON 10/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 MAR 198

ESTIMATED 28 MAR 200

PREDICTED 29 MAR-31 MAR 197/194/190

90 DAY MEAN 27 MAR 201

V. GEOMAGNETIC A INDICES

OBSERVED AFR 26 MAR 009 AP 27 MAR 011

ESTIMATED AFR 27 MAR 012 AFR/AP 29 MAR 010/015

PREDICTED AFR/AP 29 MAR-31 MAR 012/015-012/015-010/012

SOLTERWARN

BT

HFXS BOU 281300

PREDM 08029 08030 08031

PREDX 01029 00530 00531

PREDP 01029 00530 00531

PCAF 00129

TENCM 19729 19430 19031

AFRED 01229 01230 01031

AFAPF 01529 01530 01231

KKK 12234 32233 34332

BT

HFUS 3 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER: 687B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 28 MARCH 1982

I A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM

281200Z TO 28/2100Z :

SOLAR ACTIVITY HAS BEEN LOW SINCE 281200Z. REGION 3659 (N12E01) REMAINS LARGE AND COMPLEX BUT HAS BEEN QUIET. REGION 3662 (S21E33) HAS ALSO BEEN QUIET SINCE PRODUCING THE M2/SB AT 281006Z (MAX). TWO SMALL NEW REGIONS WERE NUMBERED TODAY 3668 (S05E11) AND 3669 (N06E15).

IR. SOLAR ACTIVITY FORECAST :

SOLAR ACTIVITY IS EXPECTED TO CONTINUE MODERATE. BOTH REGIONS 3659 AND 3662 HAVE DEMONSTRATED THEIR POTENTIAL FOR PRODUCING ENERGETIC ACTIVITY.

II. GEOPHYSICAL SUMMARY AND FORECAST :

THE GEOMAGNETIC FIELD WAS BASICALLY QUIET. GENERALLY QUIET TO UNSETTLED CONDITIONS SHOULD CONTINUE.

III. EVENT PROBABILITIES: 29 MAR - 31 MAR:

CLASS M 80/80/80

CLASS X 10/05/05

PROTON 10/05/05

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 28 MAR 201

PREDICTED 29-31 MAR 205/207/205

90 DAY MEAN 28 MAR 202

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 MAR 09/11

ESTIMATED AFR/AP 28 MAR 07/07

PREDICTED AFR/AP 29-31 MAR 12/15 12/18 10/15

SOLTERWARN

BT