

HFUS 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 ACCOMPANIED 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 UNSETTLED 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

HXUS BOU 281300
PREDM 08029 08030 08031
PREDX 01029 00530 00531
PREDP 01029 00530 00531
PCAFT 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 087B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 28 MARCH 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
28/1200Z 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).

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO CONTINUE MODERATE. BOTH REGIONS
3659 AND 3662 HAVE DEMONSTRATED THEIR POTENTIAL FOR PRO-
DUCING 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 MAY 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