

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 130 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
 TENCN 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