

HFUS 1 BOU 031300
 FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
 SDF NUMBER 093A
 JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
 ISSUED 1300Z 03 APR 1982
 IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
 02/1200Z TO 03/1200Z: SOLAR ACTIVITY HAS BEEN MODERATE THIS
 PERIOD. AN M1/0B FLARE IN REGION 3658(S12W82) OCCURRED AT
 03/0800Z. OTHER EVENTS WERE SMALL C CLASS XRAYS, SOME WITH
 ASSOCIATED SUBFLARES. REGIONS 3659(N11W74), 3662(S22W42), AND
 3667(N18W29) CONTRIBUTED TO THIS LOW LEVEL ACTIVITY. REGIONS
 3667, AND 3670(S18E25) HAVE GROWN RAPIDLY BUT REMAIN RELATIVELY
 SMALL. REGION 3659 IS DECAYING RAPIDLY AND APPEARS STILL
 CAPABLE OF MAJOR ACTIVITY. A NEW REGION 3674(S09E07) IS
 GROWING RAPIDLY WITH AFS OBSERVED, AND HAS FLARED TO C3/0B AT
 03/0638Z. THE REMAINING REGIONS APPEAR IN DECLINE AND
 UNLIKELY TO CONTRIBUTE TO MAJOR ACTIVITY.
 IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN
 MOSTLY MODERATE WITH M CLASS FLARES POSSIBLE FROM REGION 3659
 AND PERHAPS FROM THE DEVELOPING REGIONS IF THEIR CURRENT RATE
 OF DEVELOPMENT CONTINUES. RETURNING REGIONS ARE NOT EXPECTED
 TO MAKE A SIGNIFICANT CONTRIBUTION TO ACTIVITY IN THE PERIOD.
 II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD
 REACHED MAJOR STORM LEVELS EARLY ON 3 APRIL DUE TO THE RECENT
 SOLAR FLARE ACTIVITY. THE FIELD IS EXPECTED TO SUBSIDE TO
 ACTIVE LEVELS WITHIN A FEW MORE HOURS. ADDITIONAL ACTIVITY MAY
 OCCUR ON 5 APRIL REACHING NEAR MINOR STORM LEVELS DUE TO THE M6
 FLARE EARLY ON 2 APRIL.
 III. EVENT PROBABILITIES 04 APR-06 APR
 CLASS M 70/60/60
 CLASS X 10/05/05
 PROTON 05/01/01
 PCAF GREEN
 IV. OTTAWA 10.7 CM FLUX
 OBSERVED 02 APR 174
 ESTIMATED 03 APR 170
 PREDICTED 04 APR-06 APR 168/172/176
 90 DAY MEAN 02 APR 201
 V. GEOMAGNETIC A INDICES
 OBSERVED AFR 01 APR 014 AP 02 APR 039
 ESTIMATED AFR 02 APR 028 AFR/AP 03 APR 035/040
 PREDICTED AFR/AP 04 APR-06 APR 015/015-019/020-012/012
 SOLTERWARN
 BT

HXUS BOU 031300
 PREDM 07004 06005 06006
 PREDX 01004 00505 00506
 PREDP 00504 00105 00106
 PCAFT 00104
 TENCN 16804 17205 17606
 AFRED 01504 01905 01206
 AFAPF 01504 02005 01206
 KKK 43343 32233 34433
 BT

HFUS 3 BOU 032200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 093B
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 03 APR 1982
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
03/1200Z TO 03/2100Z: SOLAR ACTIVITY REMAINS MODERATE. SIX
C-CLASS XRAY EVENTS WERE REPORTED BUT NONE WERE OBSERVED
OPTICALLY BECAUSE OF POOR WEATHER CONDITIONS AT MOST STATIONS.
THE TWO LARGEST EVENTS WERE A C8 AT 03/1459Z WITH AN ASSOCIATED
MINOR RADIO BURST OF 320 F.U. AT 245 MHZ AND A C8 AT 03/1900Z
WITH NO ASSOCIATED RADIO BURST. REGION 3659 (N19W78) WAS ACTIVE
EARLIER IN THE DAY AND IS PROBABLY THE SOURCE OF SOME OF THE
ACTIVITY SINCE 1200Z. RAPIDLY GROWING REGION 3674 (S09E02) IS
ALSO A LIKELY SOURCE OF SOME FLARES, ALTHOUGH THE SPOT GROUP IS
STILL ONLY CLASS/AREA D/70. TWO NEW REGIONS WERE NUMBERED, 3676
(S15E69) WHICH ROTATED ONTO THE DISK BUT APPEARS STABLE AND
3676 (N10W29) WHICH DEVELOPED ON THE DISK AND IS STILL VERY
SMALL.

IB. SOLAR ACTIVITY FORECAST: MODERATE SOLAR ACTIVITY IS STILL
POSSIBLE FROM REGION 3659 AS IT ROTATES BEYOND THE LIMB.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN AT MINOR STORM LEVELS SINCE 01/2100Z AS THE RESULT OF
M-CLASS FLARE ACTIVITY IN REGION 3659. THE GEOMAGNETIC FIELD IS
EXPECTED TO BE ACTIVE THROUGH 5 APRIL AND THEN RETURN TO
UNSETTLED LEVELS.

III. EVENT PROBABILITIES 04 APR-06 APR

CLASS M 70/60/60

CLASS X 10/05/05

PROTON 05/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 APR 170

PREDICTED 04 APR-06 APR 168/172/176

90 DAY MEAN 03 APR 201

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 02 APR 036/039

ESTIMATED AFR/AP 03 APR 032/040

PREDICTED AFR/AP 04 APR-06 APR 015/015-019/020-012/012

SOLTERWARN

BT

HXUS BOU 032200
PREDM 07004 06005 06006
PREDX 01004 00505 00506
PREDP 00504 00105 00106
PCAFT 00104
TENCN 16804 17205 17606
AFRED 01504 01905 01206
AFAPF 01504 02005 01206
BT