

HFUS 1 BOU 031300
 FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
 SDF NUMBER 062A
 JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
 ISSUED 1300Z 03 MAR 1982
 IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
 02/1200Z TO 03/1200Z: SOLAR ACTIVITY HAS BEEN MODERATE DURING
 THE PAST 24 HOURS. REGION 3629 (S22E21) PRODUCED AN M1/SN FLARE
 MAXING AT 0358Z WHICH WAS NOT ASSOCIATED WITH SOLAR RADIO NOISE
 OR SIGNIFICANT HIGH FREQUENCY SHORT WAVE FADES. REGION 3629 HAS
 REMAINED MOSTLY STABLE IN H-ALPHA BUT HAS SHOWN SOME
 RESTRUCTURING NEAR THE LARGE LEADER SPOT. REGION 3631 (S13E21),
 A COMPANION TO 3629, CONTINUES TO GROW AND HAS PRODUCED SEVERAL
 C-CLASS SUBFLARES. REGION 3625 (N14W21) HAS SHOWN SLIGHT GROWTH
 AND IS ALSO CONSISTENTLY PRODUCING C-CLASS SUBFLARES. HOWEVER,
 NONE OF THE REGIONS PRESENTLY ON THE VISIBLE DISK ARE
 MAGNETICALLY COMPLEX. NEW REGION 3632 (S08E81), AN H-TYPE SPOT
 WITH FAINT PLAGE, HAS ROTATED OVER THE EAST LIMB. THIS REGION
 APPEARS TO BE THE QUIET RETURN OF OLD ACTIVE REGION 3594.
 IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
 LOW. UNLESS CONSIDERABLE DEVELOPMENT OCCURS, REGIONS 3629 AND
 3625 ARE NOT EXPECTED TO PRODUCE SIGNIFICANT FLARES ALTHOUGH
 ADDITIONAL ISOLATED M-CLASS EVENTS ARE POSSIBLE.
 II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD WAS
 AT MAJOR STORM LEVELS AT 1200Z YESTERDAY, BUT HAS SINCE
 QUIETED DOWN TO UNSETTLED CONDITIONS. THE FIELD IS EXPECTED TO
 REMAIN MOSTLY UNSETTLED TODAY BUT BECOME ACTIVE TOMORROW IN
 RESPONSE TO CORONAL RESTRUCTURING EVIDENCED BY A FILAMENT
 DISAPPEARANCE ON 01 MARCH. UNSETTLED CONDITIONS SHOULD THEN
 PREVAIL FOR THE REMAINDER OF THE FORECAST PERIOD. CORRECTION TO
 YESTERDAY'S REPORT SDF61A: THE FILAMENT DISAPPEARANCE
 ASSOCIATED WITH THE GEOMAGNETIC STORM COMMENCING ON 01 MARCH
 OCCURRED ON 27 FEBRUARY BETWEEN 0000 AND 0140Z.
 III. EVENT PROBABILITIES 04 MAR-06 MAR
 CLASS M 40/40/40
 CLASS X 01/01/01
 PROTON 01/01/01
 PCAF GREEN
 IV. OTTAWA 10.7 CM FLUX
 OBSERVED 02 MAR 238
 ESTIMATED 03 MAR 245
 PREDICTED 04 MAR-06 MAR 245/243/240
 90 DAY MEAN 02 MAR 200
 V. GEOMAGNETIC A INDICES
 OBSERVED AFR 01 MAR 066 AP 02 MAR 090
 ESTIMATED AFR 02 MAR 070 AFR/AP 03 MAR 015/025
 PREDICTED AFR/AP 04 MAR-06 MAR 025/025-015/015-010/012
 SOLTERWARN
 BT

HXUS BOU 031300
 PREDM 04004 04005 04006
 PREDX 00104 00105 00106
 PREDP 00104 00105 00106
 PCAFT 00104
 TENCM 24504 24305 24006
 AFRED 02504 01505 01006
 AFAPF 02504 01505 01206
 KKK 33454 43334 44332
 BT

HFUS 3 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 062B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 03 MAR 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
03/1200Z TO 03/2100Z: SOLAR ACTIVITY HAS BEEN LOW DURING THIS
PERIOD. REGION 3629 (S22E15) PRODUCED A C7/SB EVENT AT
03/1637UT. SHORTWAVE FADE UP TO 15 MHZ WAS OBSERVED WITH THE
EVENT. NEW REGION TODAY IS 3632 (S08E76) SIMPLE H-TYPE AT THIS
TIME.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN GENERALLY LOW DURING THIS FORECAST PERIOD. UNLESS RAPID
CHANGE OCCURS IN REGIONS 3629 OR 3625 MAJOR EVENTS ARE NOT
EXPECTED HOWEVER ISOLATED SMALL M-CLASS EVENTS ARE POSSIBLE.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN ACTIVE DURING THIS PERIOD. THE FIELD IS EXPECTED TO
BECOME ACTIVE WITH SHORT PERIODS AT MINOR STORM ON 4 MARCH.
WITH THE FIELD ACTIVE TO UNSETTLED FOR THE REST OF THE FORECAST
PERIOD.

III. EVENT PROBABILITIES 04 MAR-06 MAR

CLASS M 40/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 MAR 234

PREDICTED 04 MAR-06 MAR 233/230/224

90 DAY MEAN 03 MAR 200

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 02 MAR 067/090

ESTIMATED AFR/AP 03 MAR 015/020

PREDICTED AFR/AP 04 MAR-06 MAR 025/025-015/015-010/012

SOLTERWARN

BT