

HFUS 1 BOU 101300
 FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
 SDF NUMBER 069A
 JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
 ISSUED 1300Z 10 MAR 1982
 IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
 09/1200Z TO 10/1200Z: SOLAR ACTIVITY WAS AT LOW TO MODERATE
 LEVELS OF ACTIVITY DURING THIS PERIOD. THE ONLY M-CLASS EVENT
 OF THE DAY WAS AN M2/1B FROM NEW REGION 3640 (N03E75) AT
 10/0314Z. THIS REGION IS STILL TOO CLOSE TO THE EAST LIMB TO
 DETERMINE ITS FUTURE FLARE POTENTIAL. THREE OTHER NEW REGIONS
 WERE ALSO NUMBERED TODAY, BUT NONE OF THEM APPEARS VERY COMPLEX
 AT THIS TIME.
 IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
 CONTINUE AT LOW TO OCCASIONALLY MODERATE LEVELS. THE DOZEN
 REGIONS ON THE SUN NOW MIGHT PRODUCE ONE OR TWO SMALL M-CLASS
 EVENTS PER DAY AT MOST, BUT AN X-CLASS EVENT IS HIGHLY
 IMPROBABLE. WE EXPECT A SLOW OVERALL DECLINE IN SOLAR ACTIVITY
 OVER THE NEXT SEVERAL DAYS.
 II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
 BEEN AT UNSETTLED TO ACTIVE LEVELS DURING THE LAST 24 HOURS.
 THESE LEVELS OF ACTIVITY ARE FORECAST TO CONTINUE DURING THE
 NEXT 3 DAYS. THE STRONGEST EFFECTS OF A RECURRENT CORONAL HOLE
 PASSAGE WILL BE FELT ON 12 MARCH.
 III. EVENT PROBABILITIES 11 MAR-13 MAR
 CLASS M 50/60/60
 CLASS X 05/10/10
 PROTON 01/02/02
 PCAF GREEN
 IV. OTTAWA 10.7 CM FLUX
 OBSERVED 09 MAR 195
 ESTIMATED 10 MAR 190
 PREDICTED 11 MAR-13 MAR 186/182/178
 90 DAY MEAN 09 MAR 197
 V. GEOMAGNETIC A INDICES
 OBSERVED AFR 08 MAR 010 AP 09 MAR 016
 ESTIMATED AFR 09 MAR 018 AFR/AP 10 MAR 015/014
 PREDICTED AFR/AP 11 MAR-13 MAR 010/012-015/017-010/012
 SOLTERWARN
 BT

HXUS BOU 101300
 PREDM 05011 06012 06013
 PREDX 00511 01012 01013
 PREDP 00111 00212 00213
 PCAFT 00111
 TENCN 18611 18212 17813
 AFRED 01011 01512 01013
 AFAPF 01211 01712 01213
 KKK 33222 33222 33223
 BT

HFUS 3 BOU 102200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 069B
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 10 MAR 1982
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
10/1200Z TO 10/2100Z: SOLAR ACTIVITY HAS BEEN LOW SINCE THE
M2/1B FLARE AT 10/0314UT FROM REGION 3640 (N03E69). A C5/1B
FLARE WAS REPORTED FROM REGION 3635 (S10W34) AT 10/1849UT.
THIS SMALL X-RAY FLARE PRODUCED A STRONG SHORTLIVED TYPE IV AND
MODERATE TYPE II. NO TRAILER SPOTS HAVE BEEN OBSERVED IN
EITHER REGION 3639 (N14E66) OR 3640. REGION 3639 CONTAINS A
MODERATELY LARGE ASYMMETRIC LEADER SPOT AND 3540 A SOMEWHAT
SMALLER SYMMETRIC LEADER. SMALL REGIONS 3641 (N13W68) AND 3642
(S11E68) HAVE BEEN NUMBERED TODAY.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE LOW
WITH A POSSIBILITY OF CLASS M FLARES BEING OBSERVED FROM
CURRENT DISK REGIONS. THE LACK OF SIGNIFICANT SUNSPOT
STRUCTURE IN REGIONS 3639 AND 3640 IMPLIES THEY ARE NOT
CURRENTLY CAPABLE OF FREQUENT FLARE PRODUCTION. NO SIGNIFICANT
REGIONS ARE EXPECTED TO RETURN DURING THE FORECAST PERIOD.
II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD
CONTINUES AT HIGHLY UNSETTLED TO SLIGHTLY ACTIVE LEVELS.
UNSETTLED CONDITIONS SHOULD PREVAIL THROUGH TOMORROW. ON 12
MARCH THE EARTH SHOULD BEGIN TO COME UNDER THE INFLUENCE OF A
HIGH SPEED SOLAR WIND STREAM FROM A CORONAL HOLE IN THE
SOUTHWEST QUADRANT. THIS HOLE HAS INTENSIFIED SINCE LAST
ROTATION. THE HOLE IS SEVERAL DAYS WIDE IN LONGITUDINAL EXTENT
THEREFORE ACTIVE CONDITIONS SHOULD BE EXPERIENCED THROUGH 14
MARCH.
III. EVENT PROBABILITIES 11 MAR-13 MAR
CLASS M 50/40/40
CLASS X 05/05/05
PROTON 01/01/01
PCAF GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 10 MAR 184
PREDICTED 11 MAR-13 MAR 178/170/167
90 DAY MEAN 10 MAR 196
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 09 MAR 016/018
ESTIMATED AFR/AP 10 MAR 016/018
PREDICTED AFR/AP 11 MAR-13 MAR 012/012-020/025-018/020
SOLTERWARN
BT

HXUS BOU 102200
PREDM 05011 04012 04013
PREDX 00511 00512 00513
PREDP 00111 00112 00113
PCAFT 00111
TENCN 17811 17012 16713
AFRED 01211 02012 01813
AFAPF 01211 02512 02013
BT

