HFUS 1 BOU 051300
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 064A
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1300Z 05 MAR 1982
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/1200Z TO 05/1200Z: SOLAR ACTIVITY HAS BEEN MODERATE FOR THE PAST 24 HOURS. REGION 3629 (S20W06) PRODUCED AN M4/2B FLARE WHICH MAXED AT 0251Z. THIS PARALLEL RIBBON FLARE, WHICH WAS NOT ACCOMPANIED BY SIGNIFICANT RADIO BURSTS, OCCURRED ON THE DECLINING PHASE OF A C9/SN FLARE IN REGION 3628 (N17W30) AT 0227Z WHICH WAS ESPECIALLY MARKED BY THE ERUPTION OF A LARGE ACTIVE FILAMENT NORTHWEST OF THE SPOT GROUP. REGION 3629, REVERSING YESTERDAY'S TREND, HAS BECOME MORE MAGNETICALLY MIXED AND MAY BE INTERACTING WITH REGION 3631 (S13W06). THIS LATTER REGION IS DEVELOPING MORE SPOTS IN ITS CENTRAL PORTION AND CONTINUES TO DISPLAY A LARGE ARCH FILAMENT SYSTEM. REGION 3628 HAS BECOME MORE MAGNETICALLY COMPLEX AND MAY CONTAIN A DELTA CONFIGURATION IN ITS CENTRAL PORTION. REGION 3625 (N14W47) HAS NOW DECAYED AND IS NO LONGER CONSIDERED TO BE ERUPTIVE. SURGING AND BRIGHT PLAGE ON THE NORTHEAST LIMB (NE06) INDICATE THAT A NEW REGION WILL COME INTO VIEW LATER TODAY.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. INCREASED FLARE POTENTIAL IN REGIONS 3629, 3631, AND 3628 ARE EACH CONTRIBUTING TO HIGHER PROBABILITES FOR SIGNIFICANT FLARES.
II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE FOR THE PAST 24 HOURS. THIS ACTIVITY IS ATTRIBUTED TO CORONAL RESTRUCTURING EVIDENCED BY A FILAMENT DISAPPEARANCE ON 01 MARCH. THE FIELD IS EXPECTED TO BE UNSETTLED TO QUIET TOMORROW FOLLOWED BY ACTIVE TO MINOR STORM CONDITIONS FOR THE REMAINDER OF THE PERIOD BASED ON PROJECTED EFFECTS OF A HIGH SPEED SOLAR WIND STREAM. TODAY'S FLARE ACTIVITY MAY ALSO CONTRIBUTE TO EXPECTED DISTURBED LEVELS.
III. EVENT PROBABILITIES 06 MAR-08 MAR
CLASS M 40/30/20
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 04 MAR 249
ESTIMATED 05 MAR 260
PREDICTED 06 MAR-08 MAR 265/265/260
90 DAY MEAN 04 MAR 200
V. GEOMAGNETIC A INDICES
OBSERVED AFR 03 MAR 015 AP 04 MAR 013
ESTIMATED AFR 04 MAR 013 AFR/AP 05 MAR 015/015
PREDICTED AFR/AP 06 MAR-08 MAR 010/012-025/025-019/025
SOLTERWARN
BT

HXUS BOU 051300
PREDM 04006 03007 02008
PREDX 00106 00107 00108
PREDP 00106 00107 00108
PCAFT 00106
TENCM 26506 26507 26008
AFRED 01006 02507 01908
AFAPF 01206 02507 02508
KKK 22333 32223 35443
BT

HFUS 3 BOU 052200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 064B
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 05 MAR 1982
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
05/1200Z TO 05/2100Z: SOLAR ACTIVITY HAS BEEN LOW THIS PERIOD.
REGIONS 3629 (S22W11) AND 3631 (S14W12) HAVE PRODUCED THE
LARGEST EVENT THIS PERIOD A C8/1B AT 05/1831UT, LITTLE RADIO
OBSERVED WITH THE EVENT. REGIONS 3629 AND 3631 HAVE CONTINUED
TO EXHIBIT GROWTH AND AN INCREASE IN MAGNETIC COMPLEXITY.
REGION 3628 (N17W38) HAS ALSO GROWN AND NOW CONTAINS A DELTA IN
IT'S CENTRAL PROTION. NEW REGION TODAY IS 3634 (N06E72) A LARGE
E-TYPE GROUP, HOWEVER LIMB PROXIMITY PREVENTS DETAILED
ANALYSIS.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
NEAR MODERATE IN RESPONSE TO REGIONS 3629/3631 AND 3628 EACH OF
WHICH APPEARS CAPABLE OF PRODUCING ISOLATED M-CLASS EVENTS
DURING THE NEXT THREE TO FOUR DAYS.
II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN GENERALLY UNSETTLED THIS PERIOD. THE FIELD IS EXPECTED TO
BE UNSETTLED UNTIL THE 07 MARCH WHEN ACTIVE CONDITIONS,
OCCASIONAL PERIODS AT MINOR STORM, ARE EXPECTED.
III. EVENT PROBABILITIES 06 MAR-08 MAR
CLASS M 60/60/60
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 05 MAR 252
PREDICTED 06 MAR-08 MAR 248/244/237
90 DAY MEAN 05 MAR 200
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 04 MAR 010/013
ESTIMATED AFR/AP 05 MAR 015/015
PREDICTED AFR/AP 06 MAR-08 MAR 010/012-025/025-019/025
SOLTERWARN
BT

HXUS BOU 052200
PREDM 06006 06007 06008
PREDX 00106 00107 00108
PREDP 00106 00107 00108
PCAFT 00106
TENCM 24806 24407 23708
AFRED 01006 02507 01908
AFAPF 01206 02507 02508
BT