

HFUS 1 BOU 141300
 FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
 SDF NUMBER 045A
 JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
 ISSUED 1300Z 14 FEB 1982
 IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
 13/1200Z TO 14/1200Z: SOLAR ACTIVITY HAS BEEN MODERATE. REGION
 3607(N05E48) GAVE AN M1/SB FLARE AT 13/2052Z, AND 3594(S11W58)
 AN M1/1B AT 14/0341Z. AT 14/0812Z REGION 3603(S10W39) GAVE A
 C9/1B WITH 1800 F.U. AT 245MHZ AND SIGNIFICANT OUTPUT AT THE
 OTHER OBSERVED DISCRETE FREQUENCIES. ONCE AGAIN AT 14/0940Z
 REGION 3603 FLARED. AN M2/1B WITH 4800 F.U. AT 245 MHZ AND
 TYPE II EMISSION WAS OBSERVED. REGION 3594 CONTINUES A SLOW
 DECAY, WHILE RETAINING MAGNETIC COMPLEXITY, DISPLAYING ACTIVE
 FILAMENTS AND ENHANCED PLAGE. THE FOLLOWING SPOTS IN THIS
 REGION APPEAR TO BE OVERTAKING THE REGION AS A WHOLE. REGION
 3603 HAS STABILIZED IN WHITE LIGHT AND SHOWS LITTLE CHARACTER
 ON WHICH TO BASE RECENT RADIO RICH ACTIVITY OBSERVED. REGION
 3607 IS GROWING, IS LARGE AT ABOUT 1000 MILLIONTHS AND SO FAR
 APPEARS TO BE A FAIRLY SIMPLE REGION.
 IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE
 MODERATE WITH OCCASIONAL MAJOR FLARES POSSIBLE IN REGION 3594.
 M CLASS XRAY FLARES ARE LIKELY FROM ONE OR MORE OF THE THREE
 SIGNIFICANT REGIONS DISCUSSED.
 II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD
 CONTINUES AT MINOR STORM LEVELS. IT SHOULD SUBSIDE RATHER
 RAPIDLY THROUGH ACTIVE TO HIGH UNSETTLED LEVELS BY 17 FEB. AT
 THAT TIME ACTIVITY MAY INCREASE SHARPLY AGAIN FOR SEVERAL HOURS
 FROM THE FLARE OF 0940Z TODAY.
 III. EVENT PROBABILITIES 15 FEB-17 FEB
 CLASS M 95/95/90
 CLASS X 20/20/15
 PROTON 10/10/10
 PCAF YELLOW
 IV. OTTAWA 10.7 CM FLUX
 OBSERVED 13 FEB 213
 ESTIMATED 14 FEB 200
 PREDICTED 15 FEB-17 FEB 188/176/162
 90 DAY MEAN 13 FEB 199
 V. GEOMAGNETIC A INDICES
 OBSERVED AFR 12 FEB 027 AP 13 FEB 043
 ESTIMATED AFR 13 FEB 035 AFR/AP 14 FEB 035/035
 PREDICTED AFR/AP 15 FEB-17 FEB 020/020-015/015-020/020
 SOLTERWARN
 BT

HXUS BOU 141300
 PREDM 09515 09516 09017
 PREDX 02015 02016 01517
 PREDP 01015 01016 01017
 PCAFT 00215
 TENCN 18815 17616 16217
 AFRED 02015 01516 02017
 AFAPF 02015 01516 02017
 KKK 44344 33333 44332

HFUS 3 BOU 142200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 045B
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 14 FEB 1982
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
14/1200Z TO 14/2100Z: SOLAR ACTIVITY HAS BEEN MODERATE. REGION
3594 (S10W63) PRODUCED A M1/1B FLARE AT 14/2031Z. THIS REGION
HAS NOT GROWN OR CHANGED SIGNIFICANTLY. REGION 3607 (N05E50)
REMAINS LARGE BUT IT HAS A SIMPLE STRUCTURE. IT HAS PRODUCED
ONLY SMALL SUBFLARES TODAY. REGION 3603 (S10W44) IS BEGINNING
TO DECLINE IN SPOT SIZE AND COMPLEXITY AND HAS NOT BEEN ACTIVE
SINCE 1200Z.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
CONTINUE AT A MODERATE LEVEL WITH M-CLASS FLARES LIKELY FROM
REGION 3594 AND POSSIBLE FROM REGIONS 3603 AND 3607.
II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD
REMAINS AT MINOR STORM LEVELS BUT SHOULD DECREASE TO UNSETTLED
CONDITIONS IN THE NEXT 12 HOURS. UNSETTLED CONDITIONS ARE
EXPECTED THE NEXT THREE DAYS.
III. EVENT PROBABILITIES 15 FEB-17 FEB
CLASS M 95/95/90
CLASS X 20/20/15
PROTON 10/10/10
PCAF YELLOW
IV. OTTAWA 10.7 CM FLUX
OBSERVED 14 FEB 190
PREDICTED 15 FEB-17 FEB 180/165/160
90 DAY MEAN 14 FEB 199
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 13 FEB 035/043
ESTIMATED AFR/AP 14 FEB 042/040
PREDICTED AFR/AP 15 FEB-17 FEB 020/020-015/015-020/020
SOLTERWARN
BT

HXUS BOU 142200
PREDM 09515 09516 09017
PREDX 02015 02016 01517
PREDP 01015 01016 01017
PCAFT 00215
TFNCM 18015 16516 16017
AFRED 02015 01516 02017
AFAPF 02015 01516 02017
BT