

HFUS 1 BOU 061300 CCR
 FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
 SDF NUMBER 037A
 JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
 ISSUED 1300Z 06 FEB 1983
 IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
 05/1200Z TO 06/1200Z: SOLAR ACTIVITY HAS BEEN LOW, WITH THE
 EXCEPTION OF AN M1/1B FLARE AT 1331Z FROM REGION 4077(S17W50).
 THIS REGION CONTINUES WITH A COMPACT AND COMPLEX GROUP
 CONTAINING A MAGNETIC DELTA CONFIGURATION. A DECLINE IN SPOT
 AREA AND INTENSITY IS REPORTED, PERHAPS ACCOUNTING FOR THE
 DECLINE IN FLARE ACTIVITY. OPTICAL OBSERVATIONS HAVE BEEN
 LIMITED, PREVENTING THOROUGH ANALYSIS OF STRUCTURES AND
 EVOLUTIONS. REGION 4079(S18W04) IS THE ONLY OTHER SIGNIFICANT
 REGION NOW VISIBLE. ITS CLASS D SPOT GROUP IS STABLE AND OF
 SIMPLE STRUCTURE.
 IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
 LOW WITH AN ISOLATED CLASS M FLARE SOMETIME IN THE NEXT TWO
 DAYS. REGION 4077 RETAINS POTENTIAL FOR PROTON EMISSION SHOULD
 IT PRODUCE A LARGE EVENT. NO SIGNIFICANT REGIONS ARE EXPECTED
 TO RETURN TO EAST LIMB IN THIS PERIOD.
 II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC STORM
 CONTINUED AT MAJOR STORM LEVEL FOR MOST OF THE PERIOD.
 ACTIVITY IS EXPECTED TO DROP TO MINOR STORM INTENSITY IN THE
 NEXT SIX HOURS AND DECLINE TO ONLY SLIGHTLY ACTIVE WITHIN 24
 HOURS. ACTIVITY IS NOT EXPECTED TO INCREASE AGAIN UNTIL MIDDAY
 ON 09 FEBRUARY WHEN A SHORT-LIVED MINOR STORM IS EXPECTED AS A
 CONSEQUENCE OF FILAMENT ACTIVITY AND CORONAL RESTRUCTURING THAT
 OCCURRED EARLY ON 04 FEB.
 III. EVENT PROBABILITIES 07 FEB-09 FEB
 CLASS M 70/70/50
 CLASS X 10/10/05
 PROTON 10/10/10
 PCAF YELLOW
 IV. OTTAWA 10.7 CM FLUX
 OBSERVED 05 FEB 159
 ESTIMATED 06 FEB 155
 PREDICTED 07 FEB-09 FEB 150/145/135
 90 DAY MEAN 05 FEB 171
 V. GEOMAGNETIC A INDICES
 OBSERVED AFR 04 FEB 046 AP 05 FEB 127
 ESTIMATED AFR 05 FEB 075 AFR/AP 06 FEB 037/030
 PREDICTED AFR/AP 07 FEB-09 FEB 015/025-010/015-030/025
 SOLTERWARN
 BT

HFUS 3 BOU 062200Z COR
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 037B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 06 FEB 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
06/1200Z TO 06/2100Z: SOLAR ACTIVITY HAS BEEN LOW, WITH OPTICAL
SUB FLARES THE ONLY ACTIVITY FOR THIS PERIOD. REGIONS 4077
(S16W55) AND 4079 (S17W11) REMAIN THE DOMINANT REGIONS ON THE
DISK. REGION 4077 IS SLOWLY DECAYING BUT CONTINUES TO MAINTAIN
THE DELTA MAGNETIC CONFIGURATION. AN ACTIVE DARK FILAMENT HAS
BEEN SEEN IN ASSOCIATION WITH THIS REGION. REGION 4079 SHOWS
SOME RESTRUCTURING ON THE NORTH SIDE. AN ARCH FILAMENT HAS BEEN
SEEN IN THE REGION. ALL OTHER REGIONS REMAIN STABLE. NO NEW
REGIONS HAVE BEEN NUMBERED THIS PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE GENERALLY
LOW WITH ISOLATED M CLASS FLARES IN THE NEXT TWO DAYS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN AT MAJOR STORM LEVELS, SUBSIDING IN THE LAST TWO PERIODS.
THE FIELD SHOULD STAY AT ACTIVE LEVELS FOR THE FIRST TWO DAYS
OF THE FORECAST PERIOD AND THEN INCREASE TO MINOR STORM LEVELS
DUE TO A DISAPPEARING FILAMENT.

III. EVENT PROBABILITIES 07 FEB-09 FEB

CLASS M 70/70/50

CLASS X 10/10/05

PROTON 10/10/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 FEB 157

PREDICTED 07 FEB-09 FEB 150/145/135

90 DAY MEAN 06 FEB 171

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 FEB 084/127

ESTIMATED AFR/AP 06 FEB 050/040

PREDICTED AFR/AP 07 FEB-09 FEB 020/025-015/015-030/025

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