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HFUS I BOU 261300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 238A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 26 AUG 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/1200Z TO 26/1200Z: SOLAR ACTIVITY HAS BEEN LOW. NO EVENTS HAVE EXCEEDED C1 INTENSITY FOR THE THIRD CONSECUTIVE DAY. THIS IS IN SPITE OF THE PRESENCE ON THE SUN OF THREE MODERATE SPOT GROUPS AND SEVERAL LESSER ONES. REGION 3877(N22W19) HAS BEEN GROWING THROUGHOUT THE PAST 48 HOURS. ITS SIMPLE AND SYMMETRIC STRUCTURES ACCOUNT FOR ITS INACTIVITY. REGION 3870(N15W08) IS DECAYING SLOWLY OVERALL BUT HAS DEVELOPED MINOR MAGNETIC ANOMALIES. REGION 3867(S12W34) HAS REDUCED TO A-CLASS C/SPOT GROUP AND ITS PLAGE HAS FADED. SMALL NEW REGION 3878 HAS APPEARED AT S23E73.

IB. SOLAR ACTIVITY FORECAST: THE IMMINENT RETURN OF A SERIES OF ACTIVE REGIONS TO EAST LIMB IS EXPECTED TO RAISE ACTIVITY NEAR A MODERATE LEVEL BY THE THIRD DAY OF THIS FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD CONTINUED ACTIVE FOR THE PAST 24 HOURS WITH SUBSTORMS NEAR LOCAL MIDNIGHT. ACTIVE TO UNSETTLED CONDITIONS ARE EXPECTED FOR A DAY OR TWO BEFORE ACTIVE TO MINOR STORM CONDITIONS RESUME.

III. EVENT PROBABILITIES 27 AUG-29 AUG

CLASS M 10/30/60

CLASS X 01/01/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 AUG 155

ESTIMATED 26 AUG 163

PREDICTED 27 AUG-29 AUG 170/175/185

90 DAY MEAN 25 AUG 167

V. GEOMAGNETIC A INDICES

OBSERVED AFR 24 AUG 021 AP 25 AUG 022

ESTIMATED AFR 25 AUG 018 AFR/AP 26 AUG 016/020

PREDICTED AFR/AP 27 AUG-29 AUG 015/020-015/020-025/020

SOLTERWARN

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HXUS BOU 261300

HFUS 3 BOU 262200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 238B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 26 AUG 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
26/1200Z TO 26/2100Z: SOLAR ACTIVITY HAS BEEN LOW. THE LARGEST
FLARE WAS A C2.8/SB IN REGION 3870 (N14W15). REGION 3867
(S12W41) GREW SIGNIFICANTLY BUT REGION 3870 STILL REMAINS THE
LARGEST IN WHITE LIGHT. THREE SMALL REGIONS WERE NUMBERED
TODAY. THESE WERE 3878 (S23E51), 3879 (S13E75) AND 3880
(N11E83).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
INCREASE TO MODERATE BY THE THIRD DAY DUE TO RETURNING REGIONS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN ACTIVE. GEOMAGNETIC ACTIVITY IS EXPECTED TO REMAIN NEAR
PRESENT LEVELS FOR THE NEXT TWO DAYS AND THEN INCREASE SOMEWHAT
ON THE THIRD DAY.

III. EVENT PROBABILITIES 27 AUG-29 AUG

CLASS M 10/30/60

CLASS X 01/01/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 AUG 163

PREDICTED 27 AUG-29 AUG 170/175/185

90 DAY MEAN 26 AUG 167

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 AUG 019/022

ESTIMATED AFR/AP 26 AUG 016/021

PREDICTED AFR/AP 27 AUG-29 AUG 015/020-015/020-025/020

SOLTERWARN

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