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HFUS 1 BOU 251300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 237A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 25 AUG 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/1200Z TO 25/1200Z: SOLAR ACTIVITY HAS CONTINUED LOW. THERE HAVE BEEN NO FLARES EXCEEDING C1 INTENSITY IN THE PAST 24 HOURS. THE LARGE DK1 SPOT GROUP IN REGION 3870(N15E06) HAS BEGUN TO DECAY. REGION 3867(S12W19) CONTINUES TO DECLINE. RAPID GROWTH HAS BEEN REPORTED FOR NEWLY EMERGING REGION 3877(N23W05) WHICH MAY INTERACT WITH REGION 3870. MINOR GROWTH IS ALSO OCCURRING IN NEW REGION 3875(N08E48). REGION 3876 HAS ROTATED INTO VIEW AT N07E75 WITH A SINGLE SMALL SPOT. IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW UNTIL LATE ON 28 AUGUST. AT THAT TIME LIME ACTIVITY MAY BECOME VISIBLE FROM RETURNING REGION 3837.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN NEAR MINOR STORM CONDITIONS IN THE PAST SIX HOURS. ACTIVE TO UNSETTLED CONDITIONS ARE EXPECTED TO DOMINATE THIS FORECAST PERIOD. MINOR STORM CONDITIONS MAY OCCUR AGAIN ON 28 AUGUST AS THE EFFECTS FROM A LARGE CORONAL HOLE.

III. EVENT PROBABILITIES 26 AUG-28 AUG

CLASS M 30/30/30

CLASS X 01/01/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 AUG 140

ESTIMATED 25 AUG 145

PREDICTED 26 AUG-28 AUG 148/152/155

90 DAY MEAN 24 AUG 167

V. GEOMAGNETIC A INDICES

OBSERVED AFR 23 AUG 019 AP 24 AUG 021

ESTIMATED AFR 24 AUG 022 AFR/AP 25 AUG 018/020

PREDICTED AFR/AP 26 AUG-28 AUG 012/015-010/015-015/020

SOLTERWARN.

BT

HXUS BOU 251300

PREDM 03026 03027 03028

PREDX 00126 00127 00528

PREDP 00126 00127 00128

PCAF 00126

TENCM 14826 15227 15528

AFRED 01226 01027 01528

AFAPP 01526 01527 02028

KKK 32343 32233 34332

BT

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HFUS 3 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 237B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 25 AUG 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
25/1200Z TO 25/2100Z: SOLAR ACTIVITY HAS BEEN LOW. OPTICAL
FLARES HAVE BEEN REPORTED FROM REGIONS 3870 (N15W02), 3875
(N08E41) AND 3877 (N22W13). REGION 3877 HAS SHOWN RAPID GROWTH
IN THE PAST 24 HOURS AND NOW HAS A DAJ SPOT CLASSIFICATION.
REGION 3770 IS THE ONLY REGION THAT HAS AN C CLASS X-RAY FLARE
ATTRIBUTED TO IT. THE OTHER THREE C CLASS FLARES WERE NOT
ATTRIBUTED TO ANY CERTAIN REGION. REGION 3875 CONTINUES TO GROW
AND HAS AN ARCH FILAMENT SYSTEM ASSOCIATED WITH THAT REGION. NO
NEW REGIONS HAVE BEEN NUMBERED THIS PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW.
NONE OF THE REGIONS, ON THE DISK, PRESENTLY APPEAR CAPABLE OF
SIGNIFICANT FLARE ACTIVITY.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN ACTIVE FOR THE PAST 12 HOURS. THE LEVEL OF ACTIVITY SHOULD
DROP TO UNSETTLED CONDITIONS FOR THE NEXT 48 HOURS AND THEN
RETURN TO ACTIVE LEVELS THE FINAL DAY OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 26 AUG-28 AUG

CLASS M 30/30/30
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN

why lowered from 1200Z? Pat

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 AUG 155
PREDICTED 26 AUG-28 AUG 157/159/161
90 DAY MEAN 25 AUG 167

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 AUG 021/021
ESTIMATED AFR/AP 25 AUG 018/018
PREDICTED AFR/AP 26 AUG-28 AUG 012/015-010/015-015/020

SOLTERWARN

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