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HFUS 1 BOU 271300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 178A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 27 JUN 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
26/1200Z TO 27/1200Z: SOLAR ACTIVITY HAS BEEN HIGH. REGION
3781(N15W86) PRODUCED AN X2/2B FLARE AT 26/1916Z. MAXIMUM WITH
500 F. U. OF DISCRETE RADIO AT 2695 MHZ AND SIGNIFICANT
EMISSION AT THE OTHER HIGHER FREQUENCIES OBSERVED. AT 27/1026Z
MAXIMUM THE REGION PRODUCED AN M1 EVENT IN ASSOCIATION WITH
LOOPS TO .07 ABOVE THE LIMB. THE LOCATION OF THIS REGION NO
LONGER AFFORDS GOOD ANALYSIS, BUT IT CONTINUES TO PRODUCE
ACTIVITY AT A REGULAR PACE. REMAINING REGIONS APPEAR STABLE
AND QUIET. NOTHING IS REPORTED ON THE EAST LIMB TO ASSOCIATE
WITH EXPECTED RETURNING REGIONS, IN PARTICULAR OLD REGION 3763.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE MODERATE
WITH INFREQUENT ACTIVITY IN REGION 3781. THE REGION MAY BE
STILL CAPABLE OF ANOTHER MAJOR FLARE. ACTIVITY SHOULD DECLINE
SIGNIFICANTLY LATE IN THE FORECAST PERIOD UNLESS OLD REGION
3763 RETURNS ACTIVE.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN ACTIVE FOR THE LAST 12 HOURS, BUT APPEARS TO BE SUBSIDING
SIGNIFICANTLY IN RECENT HOURS. THE FIELD SHOULD BE UNSETTLED
WITH POSSIBLE BRIEF ACTIVE PERIODS THROUGH 29 JUNE.

III. EVENT PROBABILITIES 28 JUN-30 JUN

CLASS M 60/60/50

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 JUN 138

ESTIMATED 27 JUN 129

PREDICTED 28 JUN-30 JUN 125/125/128

90 DAY MEAN 26 JUN 164

V. GEOMAGNETIC A INDICES

OBSERVED AFR 25 JUN 013 AP 26 JUN 019

ESTIMATED AFR 26 JUN 013 AFR/AP 27 JUN 022/030

PREDICTED AFR/AP 28 JUN-30 JUN 015/015-015/015-015/015

SOLTERWARM

BT

HXUS BOU 271300

#EDM 06028 06029 05030

#EDX 00528 00529 00530

#EDP 00128 00129 00130

#CAF 00128

#ENM 12528 12529 12330

#ERD 01528 01529 01530

#ERD 01528 01529 01530

HFUS 3 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 178B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 27 JUNE 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/1200Z TO 27/2100Z: A SLOW RISE, LONG LIVED M4 EVENT (START 1845Z; MAX 2101Z) WAS THE ONLY SIGNIFICANT ACTIVITY SINCE 1200Z. REGION 3781 (N15W92) IS NEAR COMPLETION OF WEST LIMB PASSAGE WITH ONLY TRAILING PORTIONS STILL VISIBLE. REGIONS 3780, 3789 AND 3790 NO LONGER HAVE SPOTS OR HAVE ROTATED OFF THE VISIBLE DISK. THE REMAINING REGIONS ARE BASICALLY SIMPLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE LOW TO MODERATE WITH POSSIBLE M -CLASS ACTIVITY FROM REGION 3781 BEHIND THE LIMB.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD WAS UNSETTLED DURING THE PAST 9 HOURS. UNSETTLED TO ACTIVE CONDITIONS SHOULD CONTINUE.

III. EVENT PROBABILITIES 28 JUNE - 30 JUNE

CLASS M 60/60/50

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 JUNE 123

PREDICTED 28-30 JUNE 122/121/123

90-DAY MEAN 27 JUNE 163

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 JUNE 13/19

ESTIMATED AFR/AP 27 JUNE 21/30

PREDICTED AFR/AP 28-30 JUNE 15/15 - 15/15 - 15/15

SOLTERWARN

BT