

HFUS 1 BOU 091300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 129A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 09 MAY 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
08/1200Z TO 09/1200Z: SOLAR ACTIVITY CONTINUES LOW. REGION 3717
(S05W23) HAS PRODUCED ONLY A FEW CLASS C SUBFLARES. IT APPEARS
AS THOUGH THIS REGION HAS PEAKED AND DECAY IS BEGINNING TO
OCCUR. THE BASICALLY BIPOLAR MAGNETIC STRUCTURE IN THIS REGION
REMAINS. MINOR SURGING IS VISIBLE WITH THE LIMB TRANSIT OF
REGION 3714 (S18W90).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW.
REGION 3717 REMAINS THE ONLY PROBABLE SOURCE OF CLASS M FLARES
AND THESE SHOULD BE OBSERVED ONLY INFREQUENTLY. NO SIGNIFICANT
ACTIVE REGIONS ARE EXPECTED TO RETURN TO THE EAST LIMB DURING
THE FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD WAS
QUIET FOR THE FIRST HALF OF THE PERIOD BECOMING UNSETTLED TO
SLIGHTLY ACTIVE FOR THE LATTER HALF. SOLAR WIND DATA INDICATE A
MODERATELY HIGH DENSITY, LOW SPEED STREAM IS IMPACTING THE
EARTH. THIS IS EXPECTED TO BE SHORT LIVED. QUIET TO SLIGHTLY
UNSETTLED GEOMAGNETIC CONDITIONS ARE FORECAST FOR THE NEXT
THREE DAYS.

III. EVENT PROBABILITIES 10 MAY-12 MAY

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 MAY 148

ESTIMATED 09 MAY 146

PREDICTED 10 MAY-12 MAY 142/140/138

90 DAY MEAN 08 MAY 186

V. GEOMAGNETIC A INDICES

OBSERVED AFR 07 MAY 004 AP 08 MAY 007

ESTIMATED AFR 08 MAY 007 AFR/AP 09 MAY 012/012

PREDICTED AFR/AP 10 MAY-12 MAY 010/010-008/010-008/010

SOLTERWARN

BT

HRUS 3 BOLL 092200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 120R

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 09 MAY 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
09/1200Z TO 09/2100Z:

SOLAR ACTIVITY REMAINS LOW. THERE ARE ONLY THREE SPOTTED
REGIONS ON THE DISK: REGIONS 3717 (S05W30), 3720 (N14E03)
AND 3721 (S07E16). REGION 3717 IS THE LARGEST AND MOST COM-
PLEX OF THE THREE AND MAYBE FORMING A DELTA CONFIGURATION IN ITS LEAD-
ING PORTIONS. THE LAST ACTIVITY OF ANY KIND WAS REPORTED AT 090953Z.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY SHOULD CONTINUE LOW. THE DEVELOPMENT OF A
DELTA IN 3717 WOULD ENHANCE THE POTENTIAL FOR THAT REGION.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED. QUIET
TO UNSETTLED CONDITIONS ARE EXPECTED TO CONTINUE.

III. EVENT PROBABILITIES: 10 MAY - 12 MAY

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 09 MAY 137

PREDICTED 10-12 MAY 135/133/133

90 DAY MEAN 09 MAY 185

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 08 MAY 04/07

ESTIMATED AFR/AP 09 MAY 12/10

PREDICTED AFR/AP 10-12 MAY 10/10 08/10 08/10

SOLTERWARN

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