

HFUS3 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 160

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 09 JUN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/2100 TO 09/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4659 (S09W07) CONTINUED TO REGENERATE BECOMING A CRO (WHITE-LIGHT CLASSIFICATION) BETA-TYPE (MAGNETIC). IT PRODUCED A B2/0F EVENT AT 09/1348Z. THE OTHER THREE SPOTTED REGIONS REMAINED GENERALLY UNCHANGED. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. RETURNING REGIONS 4655 (S08, CAR 262) AND 4656 (N07, CAR 244) DO NOT PROVIDE SIGNIFICANT ACTIVITY POTENTIAL. THEY ARE EXPECTED AT 10/1600 AND 11/2400Z RESPECTIVELY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 08/2100Z TO 09/2100Z: GEOMAGNETIC ACTIVITY WAS UNSETTLED. ONE ACTIVE PERIOD AT 09/0900Z OCCURRED AT MID-LATITUDES. A SECOND PERIOD OF ACTIVE CONDITIONS AT MID-LATITUDES AND MINOR STORM LEVELS AT HIGH LATITUDES CLOSED OUT THE DAY AT 09/2100Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE UNSETTLED THE FIRST DAY (10 JUN). THE SECOND AND THIRD DAYS (11-12 JUN) ARE EXPECTED TO BE AT ACTIVE LEVELS WITH PERIODS OF MINOR STORM LEVELS POSSIBLE AS THE EFFECTS OF THE PARALLEL RIBBON FLARE FROM REGION 4659 AT 08/0024Z IMPACT THE MAGNETOSPHERE.

III. EVENT PROBABILITIES 10 JUN-12 JUN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 JUN 087

PREDICTED 10 JUN-12 JUN 087/087/087

90 DAY MEAN 09 JUN 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 08 JUN 018/029

ESTIMATED AFR/AP 09 JUN 010/012

PREDICTED AFR/AP 10 JUN-12 JUN 011/015-017/015-019/020

SOLTERWARN

BT

HFUS3 BOU 092200 COR

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 160

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

• • • • : CORRECTED COPY : • • • • :

ISSUED 2200Z 09 JUN 1985 .

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/2100 TO 09/2100Z: SOLAR ACTIVITY WAS VERY LOW. NEWLY NUMBERED REGION 4665 (S09W07) FORMED IMMEDIATELY SOUTH-EAST OF SPOTLESS REGION 4659 (S08W16) AS A CRO (WHITE-LIGHT CLASSIFICATION) BETA-TYPE (MAGNETIC). IT PRODUCED A B2/F EVENT AT 09/1348Z. THE OTHER THREE SPOTTED REGIONS REMAINED GENERALLY UNCHANGED. THIS CORRECTION REPLACES REGION 4659 WITH REANALYZED REGION 4665.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. RETURNING REGIONS 4655 (S08, CAR 262) AND 4656 (N07, CAR 244) DO NOT PROVIDE SIGNIFICANT ACTIVITY POTENTIAL. THEY ARE EXPECTED AT 10/1600 AND 11/2400Z RESPECTIVELY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 08/2100Z TO 09/2100Z: GEOMAGNETIC ACTIVITY WAS UNSETTLED. ONE ACTIVE PERIOD AT 09/0900Z OCCURRED AT MID-LATITUDES. A SECOND PERIOD OF ACTIVE CONDITIONS AT MID-LATITUDES AND MINOR STORM LEVELS AT HIGH LATITUDES CLOSED OUT THE DAY AT 09/2100Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE UNSETTLED THE FIRST DAY (10 JUN). THE SECOND AND THIRD DAYS (11-12 JUN) ARE EXPECTED TO BE AT ACTIVE LEVELS WITH PERIODS OF MINOR STORM LEVELS POSSIBLE AS THE EFFECTS OF THE PARALLEL RIBBON FLARE FROM REGION 4659 AT 08/0024Z IMPACT THE MAGNETOSPHERE.

III. EVENT PROBABILITIES 10 JUN-12 JUN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 JUN 087

PREDICTED 10 JUN-12 JUN 087/087/087

90 DAY MEAN 09 JUN 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 08 JUN 018/029

ESTIMATED AFR/AP 09 JUN 010/012

PREDICTED AFR/AP 10 JUN-12 JUN 011/015-017/015-019/020

SOLTERWARN

BT