

HFUS 1 BOU 261300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 299A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 26 OCT 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/1200Z TO 26/1200Z: SOLAR ACTIVITY HAS BEEN LOW. WITH REGION 3403 (S11) PAST WEST LIMB, AND REGION 3406 (S08W78) APPROACHING THE LIMB, THE SUN APPEARS TO BE HEADED FOR A SLOW WEEK AS FAR AS FLARE PRODUCTION GOES. THE LARGEST XRAY EVENT OF THIS PERIOD WAS ONLY A C4.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY WILL REMAIN LOW. SOME MINOR SURGE ACTIVITY ON THE NORTHEAST LIMB WAS OBSERVED TODAY, BUT NO MAJOR FLARES ARE LIKELY FOR THE NEXT 72 HOURS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD WAS AT UNSETTLED TO ACTIVE LEVELS. NO CHANGE IS FORECAST UNTIL 29 OCT, WHEN CORONAL HOLE-RELATED ACTIVITY IS POSSIBLE.

III. EVENT PROBABILITIES 27 OCT-29 OCT

CLASS M 25/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 OCT 188

ESTIMATED 26 OCT 175

PREDICTED 27 OCT-29 OCT 168/165/160

90 DAY MEAN 25 OCT 222

V. GEOMAGNETIC A INDICES

OBSERVED AFR 24 OCT 013 AP 25 OCT 024

ESTIMATED AFR 25 OCT 023 AFR/AP 26 OCT 012/015

PREDICTED AFR/AP 27 OCT-29 OCT 010/012-012/014-015/018

SOLTERWARN

BT

HFUS 3 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 299B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 26 OCT 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/1200Z TO 26/2100Z: SOLAR ACTIVITY HAS BEEN LOW THIS PERIOD. ONLY ONE SUBNORMAL FLARE OCCURRED AT 26/1738 UT. NO NEW REGIONS WERE OBSERVED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED FOR THE PAST 24 HOURS AND IS EXPECTED TO CONTINUE UNSETTLED FOR THE NEXT TWO DAYS. CORONAL HOLE RELATED ACTIVITY IS EXPECTED ON 29 OCT.

III. EVENT PROBABILITIES 27 OCT-29 OCT

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 OCT 174

PREDICTED 27 OCT-29 OCT 168/165/160

90 DAY MEAN 26 OCT 221

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 OCT 021/024

ESTIMATED AFR/AP 26 OCT 012/015

PREDICTED AFR/AP 27 OCT-29 OCT 010/012-012/014-015/018

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