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HFUS 1 BOU 291300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 180A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1300Z 29 JUN 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 28/1200Z TO 29/1200Z: SOLAR ACTIVITY HAS BEEN LOW. THE ONLY EVENT OF SIGNIFICANCE WAS A C2/IF FLARE FROM 3782 (N16W75) WHICH WAS ACCOMPANIED BY A SPRAY/SURGE. ALL OTHER DISK REGIONS ARE SMALL AND SIMPLE. THE AREA WHICH YESTERDAY APPEARED TO BE THE ACTIVE RETURN OF OLD REGION 3763 IS BEGINNING TO ROTATE OVER THE LIMB AS A SMALL PLAGE. SMALL NEW REGION 3793 (S13E19) EMERGED DURING THE PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE LOW. SINCE 3763 FAILED TO RETURN ACTIVE, SOLAR ACTIVITY SHOULD CONTINUE LOW FOR AN EXTENDED PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TRENDING TOWARD UNSETTLED. UNSETTLED CONDITIONS SHOULD CONTINUE FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES 30 JUN-02 JUL

CLASS M 30/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 JUN 119

ESTIMATED 29 JUN 115

PREDICTED 30JUN- 02 JUL 117/120/123

90 DAY MEAN 28 JUN 162

V. GEOMAGNETIC A INDICES

OBSERVED AFR 27 JUN 0285 AP 28 JUN 027

ESTIMATED AFR 28 JUN 015 AFR/AP 29 JUN 012/016

PREDICTED AFR/AP 30 JUN-02 JUL 012/015-010/015-010/015

SOLTERWAR N

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HFUS 3 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 180B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 29 JUNE 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/1200Z TO 29/2100Z: SOLAR ACTIVITY REMAINS LOW. A SMALL H-TYPE SPOT NEAR (S09E77) IS NUMBER 3794 AND IS PROBABLY THE RETURN OF PREVIOUSLY DYNAMIC REGION 3763. ALL THE VISIBLE REGIONS ARE SMALL QUIET AND SIMPLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE LOW AS NO REGION APPEARS CAPABLE OF ENERGETIC ACTIVITY.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE. THE NEXT 24 TO 48 HOURS SHOULD BE GENERALLY UNSETTLED.

III. EVENT PROBABILITIES 30 JUNE - 02 JULY

CLASS M 30/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 JUNE 108

PREDICTED 30 JUNE - 02 JULY 105/105/105

90-DAY MEAN 29 JUNE 161

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 28 JUNE 22/27

ESTIMATED AFR/AP 29 JUNE 13/16

PREDICTED AFR/AP 30 JUNE - 02 JULY 12/15 - 10/15 - 10/15

SOLTERWARN

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