

<003>

06/11 22:00

2227

HFUSS BOU 112200 RTD

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SERF NUMBER 162

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 11 JUN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/2100Z TO 11/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. A C3 FLARE OCCURRED AT ABOUT 0250UT. THIS EVENT WAS OBSERVED OPTICALLY AS A NON-ERUPTIVE BRIGHTENING OF PROMINENCE MATERIAL ON THE EAST LIMB AT ABOUT N47. ANOTHER SMALLER PROMINENCE WAS OBSERVED ON THE EAST LIMB AT N27: THIS IS THE ONLY INDICATION SO FAR OF THE RETURN OF OLD REGION 4811. A NEW SIMPLE BI-POLAR REGION WITH AN ARCH-FILAMENT SYSTEM EMERGED TODAY AT S11W06 AND WAS NUMBERED 4813.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 10/2100Z TO 11/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED WITH OCCASIONAL ACTIVE PERIODS AT HIGH LATITUDES. THIS ACTIVITY IS ASSOCIATED WITH A CORONAL HOLE CENTERED AT S20W40 ON 10 JUNE AS OBSERVED IN HELIUM 10830.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED WITH ACTIVE PERIODS ON 12 JUNE, BECOMING QUIET TO UNSETTLED FOR 13-14 JUNE.

III. EVENT PROBABILITIES 12 JUN-14 JUN

CLASS M 01/01/01

CLASS X 01/01/01

OTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 JUN 078

PREDICTED 12 JUN-14 JUN 079/081/083

90 DAY MEAN 11 JUN 083

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 JUN 008/010

ESTIMATED AFR/AP 11 JUN 012/015

PREDICTED AFR/AP 12 JUN-14 JUN 012/015-007/010-005/010

NNNN

<003>

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 06/11/87 00:00:00

End : 06/11/87 23:59:00

06/11 22:00

2215

HFUS3 BOU 112200

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