

HFUS3 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 166

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 15 JUN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 14/2100 TO 15/2100Z: SOLAR ACTIVITY CONTINUES VERY LOW. A NEW REGION WAS ASSIGNED AS SPOTS EMERGED AT THE SITE OF OLD REGION 4655. NEW REGION 4666 (S10E20) IS A SIMPLE BIPOLAR GROUP. ARCH FILAMENTS HAVE BEEN REPORTED AS THE REGION CONTINUES TO GROW. REGION 4663 (S02W48) HAS GENERATED ALL THE FLARES OBSERVED, WITH THE LARGEST A 1F/B6 ATTAINING MAXIMUM AT 0350Z. REGION 4662 (S15W79) HAS BEEN QUIET AND STABLE. SURGING AND PROMINENCE ACTIVITY HAVE BEEN NOTED AT WEST LIMB NEAR S06 AS REGION 4659 DEPARTS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE VERY LOW, PENDING EXAGGERATED DEVELOPMENT IN REGION 4666. EXPECT ACTIVITY ON THE SOUTHWEST LIMB AS A COMPLEX OF THREE REGIONS MAKES PASSAGE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 14/2100Z TO 15/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETLED THROUGHOUT THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: QUIET TO UNSETLED LEVELS SHOULD PERSIST THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 16 JUN-18 JUN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 JUN 081

PREDICTED 16 JUN-18 JUN 080/079/078

90 DAY MEAN 15 JUN 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 14 JUN 005/007

ESTIMATED AFR/AP 15 JUN 006/010

PREDICTED AFR/AP 16 JUN-18 JUN 005/015-005/015-005/020

SOLTERWARN

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