

HFUSS BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 156

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 05 JUN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100 TO 05/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. THE LARGEST EVENT THIS PERIOD WAS A C1.3 X-RAY EVENT AT 0737Z. NO OPTICAL REPORTS WERE REPORTED WITH THIS EVENT. A NEW REGION WAS NUMBERED TODAY AS REGION 4662 (S14E51) AND IS CURRENTLY AN ALPHA TYPE SPOT GROUP. THIS WAS A PART OF REGION 4660 YESTERDAY BUT AFTER FURTHER ANALYSIS IT WAS DECIDED TO NUMBER THIS PORTION AS A NEW REGION. REGION 4660 (S09E55) IS CURRENTLY A DAO TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION. IT HAS PRODUCED THREE OPTICAL SUBFLARES TODAY AND CONTINUES TO EXHIBIT POINT BRIGHTENINGS. REGION 4661 (S20W68) IS CURRENTLY A BXO TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION. CONTINUOUS SURGING HAS BEEN OBSERVED ON THE NE LIMB TODAY. THIS AREA HAS PRODUCED TWO OPTICAL SUBFLARES.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW THROUGHOUT THE FORECAST PERIOD. WITH THE PRESENCE OF REGION 4660 AND THE APPROACHING REGION ON THE NE LIMB THERE IS A POTENTIAL FOR LOW LEVEL ENERGETIC EVENTS TO OCCUR.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 04/2100Z TO 05/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY QUIET TO UNSETTLED THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT THREE DAYS. ACTIVITY ON THE 6TH OF JUNE IS FORECAST BASED ON THE DISAPPEARING FILAMENTS OF 01-03 JUNE.

III. EVENT PROBABILITIES 06 JUN-08 JUN

CLASS M 01/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 JUN 082

PREDICTED 06 JUN-08 JUN 084/086/086

90 DAY MEAN 05 JUN 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 JUN 006/010

ESTIMATED AFR/AP 05 JUN 010/015

PREDICTED AFR/AP 06 JUN-08 JUN 014/025-008/015-008/015

SOLTERWARN

BT