

HFUS3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 017

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 JAN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100 TO 17/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. REGION 4616 (S08W46) CONTINUES TO BE PRODUCTIVE IN CLASS B XRAYS AND SUBFLARE ACTIVITY. IT HAS LOST ITS DELTA MAGNETIC CONFIGURATION AND IS NOW A SIMPLE BETA TYPE BUT THE LEADER SPOTS ARE PREDOMINATELY OF TRAILER POLARITY. REGION 4615 (NE0W90) HAS ROTATED OUT OF SIGHT LEAVING AN ASR AND A SUBFLARE IN ITS WAKE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO SLIGHTLY UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN AT QUIET TO SLIGHTLY UNSETTLED LEVELS.

III. EVENT PROBABILITIES 18 JAN-20 JAN

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 JAN 078

PREDICTED 18 JAN-20 JAN 078/078/078

90 DAY MEAN 17 JAN 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 JAN 009/011

ESTIMATED AFR/AP 17 JAN 010/015

PREDICTED AFR/AP 18 JAN-20 JAN 007/010-007/010-007/005

SOLTERWARN

BT