

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 X-RAYS 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
(N20W90) 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