

HFUSS BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 019

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 19 JAN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 18/2100 TO 19/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. HOWEVER, A NEW REGION, 4617 (S09W13), DEVELOPED RAPIDLY DURING THIS PERIOD AND IS NOW A GROWING TYPE D SPOT GROUP. THE PLAGE IS BECOMING BETTER ORGANIZED WHILE DISPLAYING A STRONG ARCH FILAMENT SYSTEM. REGION 4616 (S07W75) IS STILL DECAYING. OCCASIONAL SUBFLARES FROM 4616 MARK THIS DECAY. ANOTHER SMALL REGION 4618 (N04E41) WAS NUMBERED THIS PERIOD BUT IT IS STILL SMALL AND SIMPLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL. FLARE PRODUCTION FROM REGION 4617 SHOULD INCREASE FREQUENCY OF OCCURRENCE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 18/2100Z TO 19/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO CONTINUE AT QUIET TO UNSETTLED LEVELS FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 20 JAN-22 JAN

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 JAN 078

PREDICTED 20 JAN-22 JAN 078/078/078

90 DAY MEAN 19 JAN 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 JAN 005/008

ESTIMATED AFR/AP 19 JAN 009/010

PREDICTED AFR/AP 20 JAN-22 JAN 007/010-007/010-012/020

SOLTERWARN

BT