

HFUS 1 BOU 171300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 017A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1200UT 17 JANUARY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/1200UT TO 17/1200UT

SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS. ONLY A FEW LOW C-CLASS X-RAY EVENTS HAVE OCCURRED, AND NO OPTICAL FLARES HAVE BEEN REPORTED Owing TO POOR OBSERVING CONDITIONS WORLDWIDE. THE MANILA SPOT REPORT AT 0006UT SHOWS ONLY 5 REGIONS WITH DECAY IN REGION 2882 (N05W51) AND GROWTH IN REGION 2899 (S22E49). ALL OTHER REGIONS REMAINED STABLE OR DEGRADED.

IB. SOLAR ACTIVITY FORECAST

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. LONGITUDES WHICH WERE ACTIVE LAST ROTATION HAVE RETURNED MOSTLY INACTIVE.

II. GEOPHYSICAL SUMMARY AND FORECAST

THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS. A FLARE ASSOCIATED DISTURBANCE FORECAST FOR 17 JANUARY DID NOT OCCUR AND IS NOT NOW EXPECTED. THE GEOMAGNETIC FIELD IS FORECAST TO REMAIN AT EXISTING QUIET LEVELS.

III. EVENT PROBABILITIES 18-20 JAN

CLASS M 05/05/05

CLASS X 01/01/01

PREDICTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 JAN 158

ESTIMATED 17 JAN 158

PREDICTED 18-20 JAN 160/160/160

90-DAY MEAN 16 JAN 210

V. GEOMAGNETIC INDICES

OBSERVED AFR 15 JAN 08 AP 16 JAN 12

ESTIMATED AFR 16 JAN 12 AFR/AP 17 JAN 05/05

PREDICTED AFR/AP 18-20 JAN 07/08 - 07/08 - 07/08

SOLTERWARN

BT

HFUS 3 BOU 1722 00
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.
SDF NUMBER 017B
JOINT USAF/NASA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200UT 17 JAN 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/1200UT
TO 17/2200UT - SOLAR ACTIVITY HAS BEEN LOW DURING THE PERIOD.

IB. SOLAR ACTIVITY FORECAST - SOLAR ACTIVITY IS EXPECTED TO
CONTINUE LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST - THE GEOMAGNETIC FIELD HAS
BEEN SLIGHTLY UNSETLED. THE FIELD IS EXPECTED TO BE QUIET
DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 18-20 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 160
PREDICTED 18-20 JAN 162/162/165
90-DAY MEAN 17 JAN 210

V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 16 JAN 11/12
ESTIMATED AFR/AP 17 JAN 09/09
PREDICTED AFR/AP 18-20 JAN 07/08 - 07/08 - 07/08
SOLTERWARN
BT