

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 DECAYED.

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

PROTON 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 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 017B

JOINT USAF/NOAA 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. GEO PHYSICAL SUMMARY AND FORECAST - THE GEOMAGNETIC FIELD HAS  
BEEN SLIGHTLY UNSETTLED. 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 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

SOLTERWAR.N

BT