

HFUS 1 BOU 170545

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 017A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL  
ACTIVITY ISSUED 0600Z 17 JAN 1975

IA. SOLAR ACTIVITY REMAINS VERY LOW. REGION 555 (N01W20)  
MANAGED TO PRODUCE A SINGLE SUBNORMAL FLARE ABOUT 24 HOURS AGO.  
NO X-RAYS WERE SEEN AT THE TIME OF THE FLARE. OTHERWISE, THE  
SUN HAS BEEN EXTREMELY QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE VERY LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY ACTIVE FOR THE PAST  
24 HOURS. ACTIVITY IS EXPECTED TO GRADUALLY SUBSIDE TO UNSETTLED  
LEVELS DURING THE FORECAST PERIOD.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

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HFUS 1 BOU 171430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.

SDF NUMBER 017B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1430Z 17 JAN 1975

IA. SOLAR ACTIVITY CONTINUES VERY LOW. NO EVENTS  
HAVE BEEN REPORTED. MINOR NEW SUNSPOTS HAVE APPEARED IN BOTH  
REGIONS 552 (N13W35) AND 555 (N01W23). BOTH REGIONS ARE SMALL  
AND QUIET.

IB. NO CHANGE IN ACTIVITY EXPECTED.

II. A MINOR MAGNETIC STORM IS IN PROGRESS. THE CAUSE IS  
APPARENTLY A SMALL NEW HIGH SPEED SOLAR WIND STREAM COMING  
FROM A NEW CORONAL HOLE. THE ARCHIMEDEAN SUN-EARTH LINE WILL  
MOVE OUT OF THIS HOLE LATE TODAY BRINGING A RETURN TO  
UNSETLED CONDITIONS. ANOTHER SHORT-LIVED STREAM IS EXPECTED  
LATE IN THE FORECAST PERIOD.

III. NO CHANGE

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 JANUARY 79

PREDICTED 17 - 19 JANUARY 76/75/74

90-DAY MEAN 16 JANUARY 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 JANUARY 11

ESTIMATED AFR/AP 16 JANUARY 17/22

PREDICTED AFR/AP 17 - 19 20/26 - 10/12 - 24/33

SOLTERWARN

BT

HFUS 1 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 017

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 17 JANUARY 1975

IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. ONLY MINOR OPTICAL FLUCTUATIONS HAVE BEEN REPORTED IN THE TWO SMALL REGIONS NOW VISIBLE. REGION 552 (N14W40) HAS DEVELOPED MINOR NEW PLAGE AND SPOTS SURROUNDING ITS H-TYPE SPOT. REGION 555 (N01W30) IS NOW SPOTLESS. A SMALL NEW PLAGE HAS DEVELOPED DURING THE PAST THREE HOURS AT N08E30. NO SPOTS REPORTED THERE AT THIS TIME.

IB. NO INCREASE IN ACTIVITY IS EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AT NEAR STORM LEVELS. A DECREASE TO UNSETLED CONDITIONS IS EXPECTED. THE SUN-EARTH ARCHIMEDEAN-SPIRAL WILL CONNECT OVER REGION 555 ON THE SECOND DAY, GIVING POSSIBLE ACTIVE GEOMAGNETIC CONDITIONS.

III. EVENT PROBABILITIES 18 - 20 JANUARY

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 JANUARY 77

PREDICTED 18 - 20 JANUARY 77/77/77

90-DAY MEAN 17 JANUARY 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 JANUARY 15

ESTIMATED AFR/AP 17 JANUARY 25/28

PREDICTED AFR/AP 18 - 20 JANUARY 12/15 - 20/26 - 12/15

SOLTERWARN

BT