

HFUS 1 BOU 120550

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 012A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 12 JANUARY 1976

IA. SOLAR ACTIVITY HAS CONTINUED AT A VERY LOW LEVEL. THE REGION  
676 (S11E81) HAS PRODUCED ONE SUB-NORMAL FLARE AT 11/2140Z. SEVERAL  
SMALL X-RAY EVENTS HAVE BEEN OBSERVED ON SATELLITES.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE SLIGHTLY WITH REGION 676  
ROTATING ON THE VISIBLE DISK. A FEW CLASS C FLARES CAN BE EXPECTED.

II. THE GEOMAGNETIC FIELD CONTINUES TO BE DISTURBED. DURING THE  
LAST HOUR THE INTENSITY OF DISTURBANCE HAS DECREASED. IT IS  
EXPECTED THAT THE MINOR DISTURBANCE WILL CONTINUE TO DECREASE.

III. EVENT PROBABILITIES 12 JANUARY - 14 JANUARY

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 JANUARY 75

PREDICTED 12-14 JANUARY 75/76/76

90-DAY MEAN 11 JANUARY 77

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 JANUARY 44

ESTIMATED AFR/AP 11 JANUARY 20/26

PREDICTED AFR/AP 12-14 JANUARY 14/14 - 10/10 - 09/09

SOLTERWARN

BT

HFUS 1 BOU 121540

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 012B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 12 JAN 76

IA. SOLAR ACTIVITY REACHED MODERATE LEVELS FOR AWHILE AFTER THE  
11/2200Z PRIMARY REPORT. X-RAY BURSTS REACHING C-CLASS THRESHOLDS  
WERE OBSERVED EVERY TWO HOURS UNTIL ABOUT 12/0830Z. ONE BURST  
(AT 0624Z) WAS AN M1 EVENT. NO OPTICAL EVENTS HAVE BEEN ASSOCIATED  
WITH THESE X-RAY EVENTS, BUT THE BURSTS ARE THOUGHT TO HAVE COME  
FROM REGION 676 (S11E75). NORMAL WINTER WEATHER PROBLEMS COULD  
HAVE PREVENTED OBSERVATION OF OPTICAL FLARES DURING THE FIRST 8  
HOURS OF THIS UT DAY.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. SURGE ACTIVITY  
AT THE SE LIMB INDICATES THE POSSIBILITY THAT ANOTHER REGION MAY  
BE ABOUT TO FOLLOW REGION 676 ON TO THE DISK.

II. THE GEOMAGNETIC FIELD WAS ACTIVE DURING THE PAST 16 HOURS.  
PRESENTLY, THE FIELD IS QUIET. THE FIELD IS EXPECTED TO BE QUIET TO  
MILDLY UNSETTLED FOR THE NEXT 8 HOURS. ACTIVE PERIODS ARE EXPECTED  
DURING LOCAL NIGHTTIME HOURS, WITH ACTIVITY LEVELS GRADUALLY  
DECREASING.

III. EVENT PROBABILITIES 12 JAN - 14 JAN 76

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 JAN 75

PREDICTED 12-14 JAN 75/76/76

90-DAY MEAN 11 JAN 77

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 JAN 44

ESTIMATED AFR/AP 11 JAN 30/26

PREDICTED AFR/AP 12-14 JAN 14/14 - 10/10 - 09/09

SOLTERWARN

BT

HFUS 1 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 012

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 12 JAN 76

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS.  
ONLY TWO SMALL SUBFLARES HAVE BEEN REPORTED IN REGION 676 (S11E69);  
HOWEVER SIX C-CLASS X-RAY BURSTS AND ONE M1 X-RAY BURST HAVE BEEN  
RECORDED BY SMS-2 SATELLITE. ALL OF THESE BURSTS ARE THOUGHT TO  
HAVE ORIGINATED IN REGION 676. SEVERAL GROUND OBSERVATORIES HAVE  
BEEN HAMPERED BY TYPICAL WINTER WEATHER PROBLEMS, THUS IT IS NOT  
SURPRISING THAT FEW OPTICAL FLARES HAVE BEEN REPORTED.

IB. SOLAR ACTIVITY IS EXPECTED TO BE QUIET TO MODERATE. SURGE  
ACTIVITY AT THE SE LIMB INDICATES THAT ANOTHER REGION MAY FOLLOW.  
REGION 676 ON TO THE DISK.

II. THE GEOMAGNETIC FIELD WAS ACTIVE DURING THE FIRST SEVERAL  
HOURS OF THE UT DAY AND HAS SINCE BECOME QUIET. THE GEOMAGNETIC  
FIELD IS EXPECTED TO REMAIN GENERALLY UNSETTLED DURING THE NEXT 72  
HOURS WITH ACTIVE CONDITIONS APPEARING BRIEFLY DURING LOCAL NIGHT  
TIME HOURS.

III. EVENT PROBABILITIES 13-15 JAN

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 JAN 80

PREDICTED 13-15 JAN 81/82/83

90-DAY MEAN 12 JAN 77

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 JAN 30

ESTIMATED AFR/AP 12 JAN 14/14

PREDICTED AFR/AP 13-15 JAN 10/10 - 10/10 - 10/10

SOLTERWARN

BT