

HFUS 3 BOU 220530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 053A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 22 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN VERY LOW SINCE 21/2252Z WHEN A 2F  
FLARE WAS OBSERVED IN REGION 1015 (N39E56). X-RAY LEVELS HAVE  
BEEN STEADY JUST BELOW C CLASSIFICATION. THE DISK REGIONS APPEAR  
STABLE. THE LIMBS ARE QUIET.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE DURING THE FORECAST  
PERIOD. REGION 1015 IS CAPABLE OF CLASS M ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETTLED AND IS  
EXPECTED TO CONTINUE IN THAT STATE DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 22 FEBRUARY - 24 FEBRUARY

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 FEBRUARY 125

PREDICTED 22-24 FEBRUARY 126/128/133

90-DAY MEAN 21 FEBRUARY 115

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 FEBRUARY 09

ESTIMATED AFR/AP 21 FEBRUARY 08/10

PREDICTED AFR/AP 22-24 FEBRUARY 18/20 - 10/10 - 08/08

SOLTERWARN

BT

HFUS 3 BOU 221500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 053-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 22 FEB 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. NO OPTICAL OBSERVATIONS WERE  
POSSIBLE THRU THE PERIOD BUT X-RAY TRACES WERE QUIET. AN EPL NEAR  
S20E90 WAS REPORTED AT 22/0515 - 0630Z AND EXTENDED TO .15 RADII.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW.

II. THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED THRU THE PERIOD AND  
NO CHANGE IS EXPECTED.

III. EVENT PROBABILITIES 22 FEBRUARY - 24 FEBRUARY

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 FEBRUARY 125

PREDICTED 22-24 FEBRUARY 126/128/133

90-DAY MEAN 21 FEBRUARY 115

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 FEBRUARY 09

ESTIMATED AFR/AP 21 FEBRUARY 08/10

PREDICTED AFR/AP 22-24 FEBRUARY 18/20 - 10/10 - 08/08

SOLTERWARN

BT

HFUS 1 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 053

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 22 FEB 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. THE ONLY OPTICAL FLARE OBSERVED  
WAS A SUB-NORMAL FROM REGION 1008 (N19W13) WHICH PRODUCED A CLASS  
C-2 X-RAY BURST. NEW REGION 1017 (S23E75) HAS ROTATED ONTO THE LIMB  
AND IS AN H-TYPE SPOT. ALL OTHER REGIONS ARE STABLE AND SHOW  
LITTLE CHANGE.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED WITH THE  
EXCEPTION OF THE PERIOD 22/1600-2200Z WHEN ACTIVE LEVELS WERE OBSERVED.  
THE FIELD IS EXPECTED TO REMAIN GENERALLY UNSETTLED UNTIL LATE ON  
24 FEB. WHEN A RECURRENT GEOMAGNETIC DISTURBANCE IS EXPECTED TO BEGIN.

III. EVENT PROBABILITIES 23 - 25 FEB

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 FEB 131

PREDICTED 23 - 25 FEB 134/138/142

90-DAY MEAN 22 FEB 116

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 FEB 08

ESTIMATED AFR/AP 22 FEB 13/20

PREDICTED AFR/AP 23 - 25 FEB 12/14 - 14/15 - 20/25

SOLTERWARN

BT