

NNNN0356

NNNN

KMSC

HAUS BOU 220400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 818A ISSUED 0400Z 22 NOVEMBER 1970

CLASS C FLARES ARE EXPECTED AND CLASS M FLARES ARE PROBABLE  
DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS BEEN RATHER LOW DURING THE PAST 11  
HOURS. ONLY A FEW NON-ENERGETIC SUBFLARES HAVE BEEN OBSERVED.  
THE REGIONS ON THE NORTHWEST ARE NOT GROWING AND THEIR FLARE  
PRODUCTION HAS DECREASED. THE OTHER REGIONS ON THE DISK ARE  
QUIET. THE MAGNETIC DISTURBANCE WHICH STARTED WITH GRADUAL  
RISE AT 21/0720Z ENDED 21/1740Z. NO PROTON EVENTS HAVE BEEN  
DETECTED AT SATELLITE OR GROUND BASED DETECTORS.

B. SOLAR ACTIVITY WILL CONTINUE AT PRESENT LEVEL. CLASS C  
FLARES AND AN OCCASIONAL CLASS M FLARE. THE GEOMAGNETIC FIELD  
WILL HAVE PERIODS OF DISTURBANCE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 22 NOV/0400Z ENDING 25 NOV/0400Z.

CLASS M OR GREATER 80/80/70

CLASS X 15/10/10

PROTON EVENTS 10/10/10

D. OTTAWA 10.7CM FLUXES FOR 21/1700Z AND 21/2000Z WERE 183 AND  
166 RESPECTIVELY.

SOLTERWARN

SPAN

BT

NNNN1700

NNNN

KMSC

HAUS BOU 221700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 818B ISSUED 1700Z 22 NOV 1970

INFREQUENT BORDERLINE CLASS M FLARES EXPECTED IN THE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS DECLINED CONSIDERABLY WITH ONLY A FEW SUB-  
FLARES OBSERVED IN THE N04W57 AND N15W72 REGIONS. SOME BIPOLEAR  
FLUX IS EMERGING NEAR THE TRAILER AT N04W57 AND FOUR SMALL SPOT  
GROUPS HAVE BEEN BORN IN THE NORTH CENTRAL PORTION OF THE DISK.  
THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY DISTURBED.

B. LOW SOLAR ACTIVITY IS EXPECTED TO PREVAIL WITH PROBABILITIES  
DECLINING DUE TO THE PRESENT TREND OF SIMPLIFYING DISK REGIONS.

A REGION IS RETURNING AT SE10 WITH OCCASIONAL SURGES. PIONEER  
7 SATELLITE HAS RECORDED ENHANCED PROTON LEVELS RECENTLY WHICH  
MIGHT BE ASSOCIATED WITH SOLAR ACTIVITY FROM THE SE10 LIMB REGION.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR  
PERIODS BEGINNING 22 NOV/1700Z ENDING 25 NOV/1700Z.

CLASS M OR GREATER 60/50/50

CLASS X 10/05/02

PROTON EVENTS 10/05/02

D. OTTAWA 10.7 CM FLUX FOR 22/1400Z WAS 160. PREDICTED  
10.7 CM FLUX FOR 23-25 NOV IS 153/147/140.

E. MAGNETIC A-FREDERICKSBURG FOR 21 NOV WAS 26. FOR 22 NOV  
ABOUT 15. PREDICTED AP FOR 23-25 NOV, 12/10/15.

SOLTERWARN

SPAN

BT