

HFUS 3 BOU 300530  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.  
SDF NUMBER 030A  
JOINT AFGWCS/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 30 JANUARY 1978

IA. SOLAR ACTIVITY WAS LOW DURING THE PAST EIGHT HOURS. REGION 988 (S30E30) PRODUCED A M1/C5 EVENT WHICH BEGAN NEAR 30/0139Z, MAXED AT  $\sim$ 1400, AND ENDED AT 0219Z. REGION 986 (N18W63) HAD PLAGE FLUCTUATIONS TO NEAR FLARE INTENSITY. OTHER REGIONS WERE STABLE. THERE IS A NEW SPOT GROUP (REGION 993) NEAR N14E67.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE DURING THE REST OF THE FORECAST PERIOD. REGIONS 986 AND 988 HAVE THE POTENTIAL TO PRODUCE SIGNIFICANT ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED DURING THE PAST EIGHT HOURS. ACTIVE TO MINOR STORM CONDITIONS SHOULD PREVAIL THROUGH THE REST OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 30 JANUARY - 01 FEBRUARY

CLASS M	60/50/60
CLASS X	20/20/20
PROTON	20/20/20
PCAF	YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED	29 JANUARY 137
PREDICTED	30 JANUARY - 01 FEBRUARY 140/142/144
99-DAY MEAN	29 JANUARY 102

V. GEOMAGNETIC A INDICES

OBSERVED	FREDERICKSBURG 28 JANUARY 06
ESTIMATED AFR/AP	29 JANUARY 32/41
PREDICTED AFR/AP	30 JANUARY - 01 FEBRUARY 30/35 - 25/35 - 20/25
SOLTERWARN	

BT

HFUS 3 BOU 301500  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO  
SDF NUMBER 030B  
JOINT AFGMC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 30 JANUARY 1978  
IA. SOLAR ACTIVITY HAS BEEN LOW. NO OPTICAL COVERAGE WAS POSSIBLE DUE  
TO WEATHER SINCE OUR LAST REPORT BUT X-RAY RECORDS SHOW ONLY ONE  
CLASS C-1 BURST AT 30/1043Z.  
IB. SOLAR ACTIVITY SHOULD REMAIN LOW TO MODERATE.  
II. THE GEOMAGNETIC FIELD WAS AT MINOR TO MAJOR STORM LEVELS 30/0600-  
1200Z. THE FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE THE REST OF THIS  
DAY.  
III. EVENT PROBABILITIES 30 JANUARY - 01 FEBRUARY  
CLASS M 60/60/60  
CLASS X 20/20/20  
PROTON 20/20/20  
PCAF YELLOW  
IV. OTTAWA 10.7 CM FLUX  
OBSERVED 29 JANUARY 137  
PREDICTED 30 JANUARY - 01 FEBRUARY 140/142/144  
9-DAY MEAN 29 JANUARY 102  
V. GEOMAGNETIC INDICES  
OBSERVED FREDERICKSBURG 28 JANUARY 26  
ESTIMATED AFR/AP 29 JANUARY 32/41  
PREDICTED AFR/AP 30 JANUARY - 01 FEBRUARY 25/35 - 25/35 - 20/25  
SOLTERWARN  
BT

WELLS 1 BOU 322200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 030

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 30 JANUARY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. THE ONLY SIGNIFICANT ACTIVITY WAS A ONE NORMAL CLASS C-5 X-RAY FLARE AT 30/0140Z FROM REGION 988 (S28E27). LIMITED OPTICAL COVERAGE INDICATES DECAY IN REGIONS 988 AND 986 ("18W70"). OTHER REGIONS ARE STABLE AND UNCHANGED.

NEW REGION 993 AT N17E64 IS QUIET.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW. SUBFLARES FROM REGIONS 986 AND 988 CAN BE EXPECTED WITH CLASS M X-RAY BURST POSSIBLE.

II. THE GEOMAGNETIC FIELD WAS AT MINOR TO MAJOR STORM LEVELS 30/0900-1500Z BUT WAS OTHERWISE UNSETTLED. GENERALLY UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED WITH SHORT PERIODS OF MINOR STORM CONDITIONS POSSIBLE DURING SUBSTORM ACTIVITY.

III. EVENT PROBABILITIES 31 JAN - 02 FEB

CLASS M 60/60/60

CLASS X 20/20/20

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 JAN 139

PREDICTED 31 JAN - 02 FEB 140/141/142

90-DAY MEAN 30 JAN 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 JAN 32

ESTIMATED AFR/AP 30 JAN 25/35

PREDICTED AFR/AP 31 JAN - 02 FEB 20/25 - 15/20 - 20/20

SOLTERWARM

BT