

HFUS 3 BOU 310600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SOF NUMBER/ 031A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 31 JAN 1978

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.  
THE DISK REGIONS APPEAR STABLE. THE X-RAY LEVEL HAS BEEN AT C LEVEL  
DURING THE PAST EIGHT HOURS.

IR. SOLAR ACTIVITY WILL BE LOW TO MODERATE DURING THE FORECAST PERIOD.  
REGION 988 (S28E21) AND REGION 986 (N17W77) ARE BOTH CAPABLE OF CLASS  
M ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST  
EIGHT HOURS. IT IS EXPECTED THE FIELD WILL CONTINUE TO BE UNSETTLED  
DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 31 JAN - 02 FEB

CLASS M 60/50/60

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 122

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 JAN 32

ESTIMATED AFR/AP 30 JAN 25/37

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

SOLTERWARN

BT

HFUS 3 BOU 311500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 031-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 31 JAN 1978

IA. SOLAR ACTIVITY WAS LOW THE PAST EIGHT HOURS. A C-2 X-RAY EVENT  
PRODUCED MINOR SHORT WAVE FADES AT 31/1339Z AT 12MHZ. NO OPTICAL  
FLARE REPORTS WERE RECEIVED. A NEW REGION (994 S26E37) HAS EMERGED  
AND CONTAINS A C TYPE SPOT GROUP WITH AN ACTIVE FILAMENT SYSTEM.  
AN ACTIVE SURGE REGION HAS BEEN NOTED AT NE23 OTHERWISE REMAINING  
REGIONS AND THE LIMBS ARE STABLE.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW TO MODERATE. MORE REGIONS  
MAY BE ROTATING ONTO THE DISK NEAR NE25.

II. THE GEOMAGNETIC FIELD WAS SLIGHTLY ACTIVE WITH UNSETTLED TO  
ACTIVE CONDITIONS EXPECTED TO CONTINUE.

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 110/141/142

90-DAY MEAN 30 JAN 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 JAN 32

ESTIMATED AFR/AP 30 JAN 25/37

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

SOLTERWARN

4FUS 1 BCU 312200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 031

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 31 JANUARY 1977

IA. SOLAR ACTIVITY REMAINS LOW. REGION 986 (N18W87) IS ROTATING OFF  
THE LIMB AS A C TYPE SPOT GROUP AND SEVERAL SURGES HAVE BEEN OBSERVED.  
REGIONS 991 (N19E30) AND 992 (N15E13) ARE BECOMING MORE COMPLEX  
WITH A VERY STRONG ARCH FILAMENT SYSTEM IN 992. ANOTHER NEW REGION,  
995 (S18E26) HAS ROTATED ON, AND APPEARS TO BE AN H-TYPE GROUP.  
NINE REGIONS WITH SPOTS ARE NOW PRESENT ON THE DISK.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE. REGIONS 988, 991, AND  
992 ARE ALL CAPABLE OF M CLASS FLARE PRODUCTION.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE THRU THE DAY. GENERALLY  
ACTIVE CONDITIONS ARE EXPECTED TO PREVAIL THRU THE PERIOD WITH MORE  
DISTURBED CONDITIONS POSSIBLE DURING NIGHTTIME SUBSTORM ACTIVITY.

III. EVENT PROBABILITIES 01 FEB - 03 FEB

CLASS M 60/60/60

CLASS X 20/20/20

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 12.7 CM FLUX

OBSERVED 31 JAN 140

PREDICTED 01 FEB - 03 FEB 141/140/140

90-DAY MEAN 31 JAN 103

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 JAN 23

ESTIMATED AFR/AP 31 JAN 18/22

PREDICTED AFR/AP 01 FEB - 03 FEB 15/20 - 20/20 - 15/20

SOLTERWARM

BT