

HFUS 3 BOU 280600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 028A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 28 JAN 1978

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 8 HOURS. X-RAY BACKGROUND  
FLUX HAS BEEN NEAR CLASS C LEVEL WITH A C-1 EVENT AT 0250Z. REGION  
985 (N22W16) HAS DECAYED TO AN H-TYPE SPOT AND APPEARS STABLE. REGION  
988 (S29E55) HAD AN ASR IN ITS SOUTHERN PORTION BUT OTHERWISE IS  
STABLE. NEW REGION 991 (N19E72) IS AN H-TYPE GROUP AND APPEARS STABLE.  
REGION 990 (S17E51) HAS GROWN AND NOW HAS 7 SPOTS IN A C TYPE GROUP.  
THE REST OF THE DISK/LIMB IS LITTLE CHANGED.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 8 HOURS.  
QUIET TO SLIGHTLY UNSETTLED CONDITIONS ARE EXPECTED FOR THE NEXT 24  
HOURS.

III. EVENT PROBABILITIES 28 - 30 JAN

CLASS M 60/70/70

CLASS X 15/20/20

PROTON 05/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 JAN 120

PREDICTED 28 - 30 JAN 130/135/138

90-DAY MEAN 27 JAN 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 JAN 09

ESTIMATED AFR/AP 27 JAN 03/03

PREDICTED AFR/AP 28 - 30 JAN 07/07 - 08/10 - 10/10

SOLTERWARN

BT

HFUS 3 BOU 281500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 028-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 28 JAN 1978

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 8 HOURS. LITTLE CHANGE  
HAS BEEN NOTED IN DISK OR LIMB FEATURES. THE MOST ACTIVE AREA REMAINS  
REGION 988 (S24E54). SOME GROWTH HAS OCCURRED IN REGION 991  
(N21E75) AND SOME DECAY HAS OCCURRED IN REGION 986 (N19W38).

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE WITH REGION  
988 BEING THE MOST ACTIVE. FREQUENT CLASS C EVENTS CAN BE EXPECTED  
AND AN OCCASIONAL M CLASS EVENT IS LIKELY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 8 HOURS. QUIET  
TO SLIGHTLY UNSETTLED CONDITIONS ARE EXPECTED.

III. EVENT PROBABILITIES 28 - 30 JAN

CLASS M 60/70/70

CLASS X 15/20/20

PROTON 05/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 JAN 120

PREDICTED 28 - 30 JAN 130/135/138

90-DAY MEAN 27 JAN 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 JAN 09

ESTIMATED AFR/AP 27 JAN 03/03

PREDICTED AFR/AP 28 - 30 JAN 07/07 - 08/10 - 10/10

SOLTERWARM

BT

HFUS 1 ROU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 028

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 28 JAN 1978

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. ACTIVITY HAS DECREASED SLIGHTLY WITH ONLY THREE SUB-FAINT FLARES BEING REPORTED. REGIONS 985 (N20W24), 987 (S19E06), AND 989 (N38W06) ARE UNIMPRESSIVE WITH NO SPOTS REPORTED NOW IN 987 AND 989. REGION 986 (N18W39) APPEARS RELATIVELY STABLE ALTHOUGH SOME NEW SPOT FORMATION IS REPORTED BY PALEHUA. REGION 988 (S30E50) HAS SHOWN NO SIGNIFICANT NEW GROWTH BUT DOES APPEAR TO BE GETTING MORE COMPLEX. REGIONS 990 (S17E46) AND 991 (N21E68) APPEAR TO BE DYNAMIC WITH BOTH GROWING OVER THE PAST 24 HOURS. PALEHUA REPORTS SOME NEW SPOT GROWTH NEAR REGION 991 THAT MAY BE PART OF AN EMERGING REGION.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. ENERGETIC ACTIVITY APPEARS LIKELY FROM REGIONS 988 AND 990 WITH LOWER ENERGETIC ACTIVITY FROM REGIONS 986, 991. ACTIVITY FROM REGION 986 MAY INCREASE IF THE REGION BEGINS A LITTLE MORE RAPID DECAY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BECOME UNSETTLED IN THE NEXT 24-36 HOURS WITH A RECURRENT ACTIVE PERIOD EXPECTED TO BEGIN ON 31 JAN.

III. EVENT PROBABILITIES 29 - 31 JAN

CLASS M 70/70/70

CLASS X 15/20/20

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 JAN 133

PREDICTED 29 - 31 JAN 136/137/137

90-DAY MEAN 27 JAN 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 JAN 02

ESTIMATED AFR/AP 28 JAN 05/06

PREDICTED AFR/AP 29 - 31 JAN 08/08 - 10/10 - 15/20

SOLTERWARM

BT