

HFUS 3 BOU 160530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 047A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 16 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST EIGHT HOURS. REGION  
1001 (N14W55) HAS SHOWN SOME GROWTH AND DEVELOPMENT. THE OTHER DISK  
REGIONS ARE STABLE. THE PCA HAS ENDED AND THE GREATER THAN 10 MEV  
PROTON EVENT HAS ENDED.

IB. SOLAR ACTIVITY WILL BE MODERATE DURING THE FORECAST PERIOD.  
REGION 1001 IS CAPABLE OF ENERGETIC ACTIVITY.

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

III. EVENT PROBABILITIES 16 FEBRUARY - 18 FEBRUARY

CLASS M 90/90/90

CLASS X 50/50/50

PROTON 70/70/70

PCAF PCA HAS ENDED

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 FEBRUARY 140

PREDICTED 16-18 FEBRUARY 135/130/130

90-DAY MEAN 15 FEBRUARY 113

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 FEBRUARY 08

ESTIMATED AFR/AP 15 FEBRUARY 35/48

PREDICTED AFR/AP 16-18 FEBRUARY 20/30 - 18/25 - 12/20

SOLTERWARN

BT

HFUS 3 BOU 161500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 047-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 16 FEB 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. ALL REGIONS ON THE SUN APPEAR  
STABLE. REGION 1001 (N16W61) PRODUCED A IN FLARE (C-4 X-RAY) AT  
0619Z (MAX) AND SEVERAL SMALL FLARES. THESE FLARES HAVE BEEN  
ASSOCIATED WITH STRONG METER WAVE BURSTS. REGION 1007 (N30E38)  
HAD A SN FLARE AT 1330Z (MAX). NEW REGION 1009 (N27W29) EMERGED  
THIS MORNING AND IS A B-TYPE GROUP. THE REST OF THE DISK/LIMB  
HAS BEEN QUIET.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE. REGION 1001 RETAINS  
ITS CAPABILITY FOR A MAJOR FLARE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. ACTIVE CONDITIONS  
ARE EXPECTED FOR THE REST OF TODAY.

III. EVENT PROBABILITIES 16 - 18 FEB

CLASS M 90/90/90

CLASS X 50/50/50

PROTON 70/70/70

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 FEB 140

PREDICTED 16 - 18 FEB 135/130/130

90-DAY MEAN 15 FEB 113

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 FEB 08

ESTIMATED AFR/AP 15 FEB 35/48

PREDICTED AFR/AP 16 - 18 FEB 20/30 - 18/25 - 12/20

SOLTERWARN

BT

HFUS 1 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 047

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 16 FEB 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1001 (N13W68) IS STILL IM-  
PRESSIVE BUT APPEARS TO HAVE LOST ITS DELTA CONFIGURATION. A IN  
FLARE (C-7 X-RAY) OCCURRED AT 0622Z (MAX) AND MANY SF FLARES DURING  
THE DAY. REGIONS 1004 (S25W23), 1005 (S28W38), 1007 (N33E36), AND  
NEW REGION 1009 (N24W35) PRODUCED SEVERAL SF FLARES APIECE. REGION  
1009 IS A BETA GROUP. THE REST OF THE DISK/LIMB HAS BEEN QUIET.

IB. SOLAR ACTIVITY SHOULD BE LOW. WITH REGION 1001 ROTATING OFF  
THE DISK IN 36 HOURS THE CHANCE OF FLARING ACTIVITY SHOULD BE DECREASE-  
ING ON THE SECOND AND THIRD DAYS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TODAY. CONDITIONS ARE EX-  
PECTED TO BE QUIET TO UNSETTLED FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 17 - 19 FEB

CLASS M 90/90/50

CLASS X 30/30/30

PROTON 70/70/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 FEB 133

PREDICTED 17 - 19 FEB 130/125/121

90-DAY MEAN 16 FEB 113

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 FEB 32

ESTIMATED AFR/AP 16 FEB 05/09

PREDICTED AFR/AP 17 - 19 FEB 08/13 - 08/10 - 07/08

SOLTERWARN

BT