

HFUS 3 BOU 060530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 006A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 06 JANUARY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 8 HOURS. NO FLARES HAVE BEEN REPORTED FROM THE NINE REGIONS VISIBLE ON THE DISK. NONE OF THESE REGIONS APPEARS TO BE DEVELOPING NEW FLARE POTENTIAL AT THE MOMENT. REGION 969 (N19W82) STILL HAS M-CLASS X-RAY EVENT POTENTIAL AS IT APPROACHES WEST LIMB.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. ONLY C-CLASS BURSTS ARE EXPECTED, AND THOSE SHOULD BE SPORADIC. NO OLD DYNAMIC REGIONS ARE EXPECTED TO RETURN VIA THE EAST LIMB DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED UNTIL 0240Z WHEN A VERY LARGE MAGNETIC BAY WAS OBSERVED. MID-LATITUDE EXCURSIONS OF MORE THAN 200 GAMMAS WERE NOTED. THE FIELD IS EXPECTED TO BE AT MINOR STORM LEVELS FOR 4 TO 6 HOURS AND TO BE GENERALLY ACTIVE FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 06 JANUARY - 08 JANUARY

CLASS M 40/30/30

CLASS X 10/05/05

PROTON 10/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 JANUARY 123

PREDICTED 06-08 JANUARY 120/116/112

90-DAY MEAN 05 JANUARY 100

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 JANUARY 57

ESTIMATED AFR/AP 05 JANUARY 21/25

PREDICTED AFR/AP 06-08 JANUARY 29/32 - 20/23 - 13/14

SOLTERWARN

BT

HFUS 3 BOU 061500  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 006-B  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 06 JAN 1978

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS.  
WEATHER HAS HAMPERED OBSERVATIONS AT MOST OBSERVATORIES BUT  
SATELLITE AND RADIO DATA WOULD INDICATE THAT NO SIGNIFICANT ACTIVITY  
HAS OCCURRED.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW WITH THE POTENTIAL FOR ISOLATE  
CLASS "M" X-RAY EVENTS CONTINUING.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED SINCE EXPERIENCING A  
SHARP IMPACT NEAR 060240 U.T. UNSETTLED TO ACTIVE CONDITIONS ARE  
EXPECTED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 06 - 08 JAN

CLASS M 40/30/30

CLASS X 10/05/05

PROTON 10/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 JAN 123

PREDICTED 06 - 08 JAN 120/116/112

90-DAY MEAN 05 JAN 100

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 JAN 57

ESTIMATED AFR/AP 05 JAN 21/25

PREDICTED AFR/AP 06 - 08 JAN 20/20 - 15/15 - 09/09

SOLTERWARN

BT

HFUS 1 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 006

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 06 JAN 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST 24 HOURS. REGION 969 (N 19W LIMB) HAS ALMOST COMPLETED LIMB PASSAGE. REGIONS 967 (S 19W 62) AND 970 (S 17W 37) REMAIN ESSENTIALLY UNCHANGED. REGION 967 HAS PRODUCED SEVERAL SUBFLARES BUT OTHERWISE THE DISK IS QUIET.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW AS NONE OF THE REGIONS APPEAR TO BE REGENERATING. HOWEVER, REGIONS 967 AND 970 RETAIN SUFFICIENT COMPLEXITY FOR THE PRODUCTION OF AN OCCASIONAL CLASS "M" X-RAY BURST.

II. THE GEOMAGNETIC FIELD IS QUIET TO SLIGHTLY UNSETLED. A SHARP PERTURBATION IMPACTED THE FIELD NEAR 060240 U.T. BUT WAS SHORT LIVED. GENERALLY UNSETLED TO OCCASIONALLY ACTIVE CONDITIONS SHOULD PERSIST FOR THE NEXT 24 TO 48 HOURS.

III. EVENT PROBABILITIES 07 - 09 JAN

CLASS M 25/20/20

CLASS X 05/01/01

PROTON 05/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 JAN 124

PREDICTED 07 - 09 JAN 120/118/116

90-DAY MEAN 06 JAN 100

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 05 JAN 21

ESTIMATED AFR/AP 06 JAN 25/21

PREDICTED AFR/AP 07 - 09 JAN 15/20 - 09/17 - 09/12

SOLTERWARN

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