

HFUS 1 BOU 230600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 023A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 23 JAN 1974

IA. NINE SUBFLARES HAVE BEEN REPORTED SINCE 22/2200Z - SIX IN  
REGION 333 (S16W54) AND THREE IN REGION 331 (N06W67). BOTH  
REGIONS PRESENTLY APPEAR TO BE IN A TEMPORARY STATE OF LOWED  
ACTIVITY. <sup>RB</sup>

IB. CONTINUED MODERATE ACTIVITY IS EXPECTED FROM REGIONS 333 AND  
331.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO BE  
QUIET TO UNSETTLED FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

SOLTERWARN

SPAN

BT

HFUS 1 BOU 231300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 023B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 23 JANUARY 1974

IA. SOLAR ACTIVITY HAS DROPPED TO A VERY LOW LEVEL DURING THE PAST SEVEN HOURS, AND NO FLARES HAVE BEEN REPORTED. BOTH REGIONS 331 (N06W71) AND 333 (S16W58) HAVE STOPPED GROWING AND ARE IN A DORMANT CONDITION. BOTH REGIONS CONTAIN D-TYPE SPOT GROUPS. A SMALL NEW PLAGE HAS APPEARED AT S16W75. NO SIGNIFICANT LIMB ACTIVITY HAS BEEN REPORTED, AND NO REGIONS HAVE APPEARED AT EAST LIMB.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR 8-12 HOURS, AFTER WHICH SUBFLARE ACTIVITY MAY OCCUR AGAIN IN REGIONS 331 AND 333.

II. THE GEOMAGNETIC FIELD HAS REMAINED GENERALLY QUIET. QUIET TO UNSETTLED CONDITIONS ARE EXPECTED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 23-25 JAN

CLASS M 60/60/60

CLASS X 05/07/07

PROTON 02/04/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 JAN 88

PREDICTED 23-25 JAN 83/80/77

90-DAY MEAN 22 JAN 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 JAN 14

ESTIMATED AFR/AP 22 JAN 04/05

PREDICTED AFR/AP 23-25 JAN 07/08 - 12-13 - 12-13

SOLTERWARN

SPAN

BT

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.

SDF NUMBER 023

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 23 JANUARY 1974.

IA. SOLAR ACTIVITY HAS BEEN LOW TODAY, WITH SEVERAL NON-ENERGETIC  
SUBFLARES IN REGIONS 331 (N06W76) AND 333 (S16W63). REGION 331  
HAS SHOWN SOME INTERMEDIATE SPOT GROWTH WHILE REGION 333 HAS DE-  
CLINED SLIGHTLY IN WHITE LIGHT, BUT BOTH REGIONS HAVE MAINTAINED  
STABLE PLAGES. NEW REGION 334 HAS ROTATED OVER EAST LIMB AT  
S15 AS A TINY CALCIUM PLAGE WITH XUV ENHANCEMENT REPORTED BY  
SKYLAB. NEW REGION 335 (S16W82) HAS DEVELOPED AS A BRIGHT  
H-ALPHA PLAGE WITH SMALL SURGES TO .04 RADIUS.

IB. THOUGH X-RAY ACTIVITY HAS DECREASED SIGNIFICANTLY SINCE YES-  
TERDAY, THE OVERALL FLARE POTENTIAL ON THE DISK REMAINS FAIRLY  
HIGH AND REGULAR FLARE PRODUCTION COULD RESUME IN REGION 331  
AND REGION 333. BY THE END OF THE FORECAST PERIOD MOST OF THE SIG-  
NIFICANT REGIONS NOW ON THE DISK WILL HAVE ROTATED OVER WEST LIMB.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TODAY. UNSETTLED CON-  
DITIONS ARE EXPECTED DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 24 JAN - 26 JAN.

CLASS M 40/25/10

CLASS X 07/05/03

PROTON 04/02/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 23 JAN 84

PREDICTED 24 JAN - 26 JAN 80/77/74

90-DAY MEAN 23 JAN 85

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 22 JAN 03

ESTIMATED AFR/AP 23 JAN 05/06

PREDICTED AFR/AP 24 JAN - 26 JAN 08/09 - 14/16 - 12/13

SOLTERWARN

SPAN

BT