

HFUS 1 BOU 040600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 277A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 04 OCTOBER 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. THE ONLY FLARE REPORTED WAS A SUB-FAINT IN REGION 251 (N16W04) AT 0218Z. REGION 251 STILL LACKS SPOTS AND APPEARS TO BE DECAYING. REGION 247 (S15W15) HAS SHOWN MINOR FLUCTUATIONS IN PLAGE AREA AND INTENSITY. WEST LIMB ACTIVITY HAS SUBSIDED. ALL OTHER REGIONS HAVE BEEN QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW FOR THE NEXT 24 HOURS WITH OCCASSIONAL SUBFLARES POSSIBLE FROM REGIONS 247 AND 251.

II. THE GEOMAGNETIC FIELD HAS BECOME QUIET AND IS EXPECTED TO BE QUIET TO UNSETTLED DURING THE NEXT 24 HOURS.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

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IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. THE
ONLY FLARE REPORTED WAS A SUB-FAINT IN REGION 251 (N16W04) AT 0218Z.
REGION 251 STILL LACKS SPOTS AND APPEARS TO BE DECAYING. REGION 247
(S15W15) HAS SHOWN MINOR FLUCTUATIONS IN PLAGE AREA AND INTENSITY.
WEST LIMB ACTIVITY HAS SUBSIDED. ALL OTHER REGIONS HAVE BEEN QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW FOR THE NEXT 24 HOURS WITH
OCCASSIONAL SUBFLARES POSSIBLE FROM REGIONS 247 AND 251.

II. THE GEOMAGNETIC FIELD HAS BECOME QUIET AND IS EXPECTED TO BE
QUIET TO UNSETTLED DURING THE NEXT 24 HOURS.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

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HFUS 1 BOU 041300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 277B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 04 OCTOBER 1973

IA. SOLAR ACTIVITY REMAINS VERY LOW WITH ONLY FIVE C-CLASS SUB-
FLARES REPORTED DURING THE PAST 24 HOURS. ALL REGIONS CURRENTLY
VISIBLE ON THE DISK APPEAR TO BE DECLINING.

IB. PROSPECTS FOR EVEN MODERATELY ENERGETIC ACTIVITY ARE POOR. A NEW
REGION MAY BE EMERGING SOUTHEAST OF REGION 245 AT S20W30. WHILE SOME
MINOR EAST LIMB ACTIVITY HAS BEEN REPORTED, AN EUV MAP TAKEN AT
04/1008Z INDICATES NO ACTIVE REGIONS CURRENTLY NEARING THE EAST LIMB.

II. THE GEOMAGNETIC FIELD HAS BECOME LESS ACTIVE IN THE PAST 24 HOURS
AND IS NOW UNSETTLED. THE FIELD SHOULD BE GENERALLY QUIET WITH UN-
SETTLED SPELLS THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 04 OCT - 06 OCT

CLASS M 25/20/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

~~NOTE~~

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 OCT 103

PREDICTED 04 OCT - 06 OCT 99/94/90

90-DAY MEAN 03 OCT 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 OCT 22

ESTIMATED 03 OCT 29

PREDICTED 04 OCT - 06 OCT 12/08/10

SOLTERWARN

SPAN

BT

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 277

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 04 OCTOBER 1973.

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS, ALTHOUGH
THE RATE OF OCCURENCE OF SMALL FLARES HAS INCREASED. REGION 245
(S15W47) PRODUCED A LONG-LIVED SUBFLARE (C3) BEGINNING 04/1033Z.
EITHER A SERIES OF FLARES OR SECONDARY MAXIMA WERE REPORTED FOR
THE NEXT SEVERAL HOURS. DEKAMETRIC TYPE II AND FILAMENT
ACTIVATION WERE ASSOCIATED WITH THIS FLARE. REGION 247 (S15W26)
HAS ALSO BEEN FLARING, ALTHOUGH NONE OF THE FLARES HAVE BEEN
ENERGETIC. SOME DEVELOPMENT OF MAGNETIC COMPLEXITY IS REPORTED
IN THIS REGION BY SACRAMENTO PEAK AND MOUNT WILSON OBSERVATORIES.
AN OCCLUDED REGION OF LEADER POLARITY HAS DEVELOPED IN THE EASTERN
PART OF THE GROUP, NEAR THE SITE OF RECENT FLARING.

IB. SMALL FLARES ARE EXPECTED TO CONTINUE AT CURRENT RATES.
SHOULD FURTHER DEVELOPMENT OCCUR IN 247, MODERATELY ENERGETIC
ACTIVITY WOULD BE POSSIBLE.

II. A SLOW BAY IN THE GEOMAGNETIC H-COMPONENT REACHED MAXIMUM
EXCURSION AFTER 18 U.T. THE FIELD IS EXPECTED TO BE UNSETTLED
TO ACTIVE DURING THE FORECAST PERIOD, AS A RECURRENT DISTURBANCE
INTENSIFIES TOMORROW. ALASKAN RIOMETERS REPORTED RELATIVISTIC
ELECTRON PRECIPITATION FROM 1745 TO 2030 U.T. TODAY, AND THULE
RIOMETERS ARE SHOWING SLIGHT (0.5 DB) ABSORPTION.

III. EVENT PROBABILITIES 05 OCT - 07 OCT.

CLASS M 30/30/15

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 04 OCT 95

PREDICTED 05 OCT - 07 OCT 92/86/82

90-DAY MEAN 04 OCT 92

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 03 OCT 32

ESTIMATED 04 OCT 10

PREDICTED 05 OCT - 07 OCT 10/15/12

SOLTERWARN

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HFUS BOU 042200

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