

HFUS 3 BOU 270530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.

SDF NUMBER 361A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 27 DECEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST EIGHT HOURS. AN
M4 X-RAY EVENT OCCURED AT 26/2323Z FROM REGION 963 (N23W43). THE
DISK REGIONS APPEAR STABLE.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE DURING THE FORECAST
PERIOD. REGION 967 (S18E80) IS CAPABLE OF PRODUCING M ACTIVITY.
X-RAY LEVEL CONTINUES TO BE ABOVE BACKGROUND LEVEL SINCE LAST M
EVENT MENTIONED IN PART IA.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST EIGHT
HOURS. IT IS EXPECTED TO BE SLIGHTLY UNSETTLED DURING THE FORE-
CAST PERIOD.

III. EVENT PROBABILITIES 27 DECEMBER - 29 DECEMBER

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 DECEMBER 103

PREDICTED 27-29 DECEMBER 106/108/110

90-DAY MEAN 26 DECEMBER 97

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 DECEMBER 05

ESTIMATED AFR/AP 26 DECEMBER 06/06

PREDICTED AFR/AP 27-29 DECEMBER 10/10 - 14/14 - 22/22

SOLTERWARN

BT

HFUS 3 BOU 271500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 361-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 27 DEC 1977

IA. SOLAR ACTIVITY WAS AT A MODERATE LEVEL DURING THE PAST 8 HOURS
AS TWO CLASS M1 X-RAY BURSTS WERE RECORDED. THE FIRST
OCCURRED AT 270658 U.T. AND HAD NO OPTICAL CORRELATION. THE SECOND
ONE OCCURRED AT 271012 U.T. WITH A MAXIMUM TIME OF 1058 U.T.

TEHERAN OBSERVED A B FLARE IN REGION 965 (S26W64) IN CONJUNCTION
WITH THIS EVENT. REGION 967 (S18E86) IS FLUCTUATING IN BRIGHTNESS
BUT IS OTHERWISE QUIET. EARLY ANALYSIS OF THE SPOT GROUP INDICATE
A TYPE "D". THE OTHER VISIBLE REGIONS ARE LITTLE CHANGED.

IB. SOLAR ACTIVITY WILL BE AT A MODERATE LEVEL FOR THE NEXT TWO
OR THREE DAYS.

II. THE GEOMAGNETIC FIELD IS QUIET. QUIET TO UNSETTLED CONDITIONS
ARE EXPECTED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 27 - 29 DEC

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 DEC 103

PREDICTED 27 - 29 DEC 106/108/110

90-DAY MEAN 26 DEC 97

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 DEC 05

ESTIMATED AFR/AP 26 DEC 06/06

PREDICTED AFR/AP 27 - 29 DEC 10/10 - 14/14 - 22/22

SOLTERWARN

BT

HFUS 1 BOU 272200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 361
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 27 DEC 1977
IA. SOLAR ACTIVITY IS AT A MODERATE LEVEL. REGIONS 965
(S26W83) AND 967 (S17E67) HAVE BEEN RESPONSIBLE FOR MOST OF THE
ACTIVITY WITH REGION 969 (N21E34) ACCOUNTING FOR ONE SUBFAINT
FLARE. TWO CLASS M1 X-RAY BURST WERE OBSERVED IN CONJUNCTION
WITH A 1N FLARE (270700 U.T.) AND A 1B FLARE (271051 U.T.) IN
REGION 965. REGION 965 HAS STARTED WEST LIMB PASSAGE AND SHOULD
COMPLETE TRANSIT EARLY TOMORROW. REGION 967 HAS CONFINED ITSELF TO
MOSTLY SUB-FLARE ACTIVITY WITH MODERATE LEVEL C-CLASS X-RAY
EMISSION. REGION 967 HAS DISPLAYED A SMALL D TYPE SPOT GROUP SO FAR
WITH ONLY A MODERATE SIZE PLAGE. REGION 969 MAY BE GROWING SLOWLY
IN WHITE LIGHT BUT IS NOT OPTICALLY IMPRESSIVE. THE REST OF
THE DISK IS QUIET.
IB. SOLAR ACTIVITY WILL BE AT A MODERATE LEVEL FOR THE NEXT TWO OR
THREE DAYS.
II. THE GEOMAGNETIC FIELD IS QUIET. UNSETTLED CONDITIONS ARE EX-
PECTED ON 28 DEC WITH ACTIVE CONDITIONS ON 29 AND 30 DEC.
III. EVENT PROBABILITIES 28 - 30 DEC
CLASS M 60/60/60
CLASS X 10/10/10
PROTON 05/05/05
PC4F GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 27 DEC 102
PREDICTED 28 - 30 DEC 103/104/105
90-DAY MEAN 27 DEC 97
V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 26 DEC 09
ESTIMATED AFR/AP 27 DEC 05/05
PREDICTED AFR/AP 28 - 30 DEC 14/14 - 22/22 - 16/20
SOLTERWARN
BT