

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 OCCURRED 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 UNSETLED DURING THE FORECAST 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 1B 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 UNSETLED 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 BOUL 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 EXPECTED 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

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 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