

HFUS 1 BOU 120450

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 071A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 12 MARCH 1975

IA. A SN FLARE IN THE CENTRAL PORTION OF AR 571 (S13W31) AT 0032Z
WAS A C2 XRAY EVENT (GOES XRAY SENSORS). THIS IS THE FIRST FLARE
REPORTED SINCE 5 MARCH. POINT BRIGHTENINGS AND AN AFS CONTINUE IN
AR571. A MINOR XRAY ENHANCEMENT (GOES SENSORS) AT 0310Z WAS RE-
PORTED AS A SN FLARE IN AR571 BY MANILA.

IB. ALTHOUGH AR571 IS NOT A COMPLEX OR LARGE REGION - THERE IS AN
INCREASED PROBABILITY FOR CONTINUED SN FLARES (C LEVEL XRAY INTEN-
SITY) DURING THE NEXT FEW DAYS IN THIS REGION.

II. THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE TO MINOR STORM LEVELS
SINCE THE END OF THE MAJOR STORM AT 11/1800Z. THIS ACTIVE TO MINOR
STORM LEVEL GEOMAGNETIC CONDITION IS EXPECTED TO CONTINUE FOR AT
LEAST 48 HOURS.

III. EVENT PROBABILITIES 12 MAR - 14 MAR

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 MAR 74

PREDICTED 12 MAR - 14 MAR 74/74/74

90-DAY MEAN 11 MAR 77

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 MAR 39

ESTIMATED AFR/AP 11 MAR 40/62

PREDICTED AFR/AP 12 MAR - 14 MAR 25/35 - 20/25 - 15/20

SOLTERWARN

BT

HFUS 1 BOU 121400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 071B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 12 MARCH 1975

IA. SOLAR ACTIVITY HAS INCREASED SLIGHTLY. THERE HAVE BEEN
FOUR SUBFLARES REPORTED IN THE PAST 14 HOURS, ALL FROM REGION
571 (S13W36). TWO OF THE FLARES AT 0032Z AND 0920Z WERE C CLASS.

IB. SUBFLARE ACTIVITY IS EXPECTED TO INCREASE SOMEWHAT, BUT
NO MAJOR EVENTS ARE EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN AT A NEAR MAJOR STORM LEVEL.
IT IS EXPECTED TO GRADUALLY LESSEN TO ACTIVE OVER THE NEXT
2-3 DAYS.

III. EVENT PROBABILITIES 12 - 14 MAR

CLASS M 05/05/05

CLASS X 02/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 MAR 74

PREDICTED 12 - 14 MAR 74/74/74

90-DAY MEAN 11 MAR 77

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 MAR 39

ESTIMATED AFR/AP 11 MAR 40/62

PREDICTED AFR/AP 12 - 14 MAR 25/35 - 20/25 - 15/20

SOLTERWARN

BT

HFUS 1 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 071

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 12 MARCH 1975

IA. SOLAR ACTIVITY HAS INCREASED SOMEWHAT SINCE 120000Z WITH THE
INCREASE IN COMPLEXITY AND SIZE IN REGION 571 (S13W40). THERE
HAVE BEEN MANY SMALL X-RAY BURSTS FROM THIS REGION, THREE OF THEM
CLASS C AT 0032Z, 0900Z AND 1343Z. ONE (1343Z) WAS A IF OPTICAL
FLARE. ALL OTHER REGIONS ARE INSIGNIFICANT.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT ITS CURRENT LEVEL
FOR THE NEXT 24-48 HOURS, DECREASING THEREAFTER AS THE GROWTH OF
571 MAXIMIZES.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TO MINOR STORM AND IS
EXPECTED TO BE ACTIVE THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 13 MAR - 15 MAR

CLASS M 10/08/05

CLASS X 03/02/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 MAR 75

PREDICTED 13 MAR - 15 MAR 77/76/75

90-DAY MEAN 12 MAR 77

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 MAR 40

ESTIMATED AFR/AP 12 MAR 26/45

PREDICTED AFR/AP 13 MAR - 15 MAR 20/25 - 15/20 - 15/20

SOLTERWARN

BT