

HFUS 3 BOU 260530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 116A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 26 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN RELATIVELY LOW DURING THE PAST 8 HOURS. ONLY TWO C-CLASS SUBFLARES WERE NOTED DURING THAT PERIOD; ONE IN REGION 1090 (N17W71) AND ONE IN REGION 1084 (S32W52). OTHER REGIONS ON THE DISK HAVE BEEN QUIET - AT LEAST TEMPORARILY.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE. REGIONS 1092 (N26E69) AND 1083 (N15W41) BOTH APPEAR TO CONTAIN DELTA CONFIGURATIONS. OCCASIONAL MODERATELY ENERGETIC M-CLASS FLARES CAN BE EXPECTED; HOWEVER, THE POTENTIAL EXISTS ON THE VISIBLE DISK FOR AN ISOLATED HIGHLY ENERGETIC X-CLASS FLARE, ALONG WITH ALL THE GEOPHYSICAL CONSEQUENCES.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE DURING THE LAST 8 HOURS. THE FIELD SHOULD BE GENERALLY UNSETTLED DURING THE NEXT 72 HOURS, WITH BRIEF ACTIVE PERIODS OBSERVED DURING LOCAL NIGHT TIME HOURS.

III. EVENT PROBABILITIES 26 APRIL - 28 APRIL

CLASS M 90/90/90

CLASS X 40/40/40

PROTON 15/20/25

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 APRIL 169

PREDICTED 26-28 APRIL 163/165/165

90-DAY MEAN 25 APRIL 144

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 APRIL 31

ESTIMATED AFR/AP 25 APRIL 12/17

PREDICTED AFR/AP 26-28 APRIL 12/15 - 12/15 - 12/12

SOLTERWARN

BT

HFUS 3 BOU 261500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 116B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 26 APRIL 1978

IA. SOLAR ACTIVITY IS AT A LOW TO MODERATE LEVEL. A SERIES OF CLASS C X-RAY BURST WERE OBSERVED DURING THE PAST 8 HOURS, THE LARGEST BEING A C-5 AT 26/1349Z (MAX). THIS BURST WAS ASSOCIATED WITH A IB FLARE FROM REGION 1092 (N26E65). NO SIGNIFICANT CHANGES IN 1092 HAVE BEEN REPORTED. ANOTHER H TYPE SPOT IS ROTATING OVER THE EAST LIMB AT N22. FREQUENT SMALL SURGES ARE BEING OBSERVED WITH THIS SPOT WHICH WILL BE REGION NUMBER 1095.

IB. THE THREAT FOR LARGE ENERGETIC ACTIVITY CONTINUES TO MOUNT. FREQUENT CLASS C AND AN OCCASIONAL CLASS M CAN BE EXPECTED IN ANY CASE.

II. THE GEOMAGNETIC FIELD IS UNSETTLED TO OCCASIONALLY ACTIVE. NO SIGNIFICANT CHANGES ARE EXPECTED.

III. EVENT PROBABILITIES 26 APRIL - 28 APRIL

CLASS M 90/90/90

CLASS X 40/40/40

PROTON 15/20/25

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 APRIL 169

PREDICTED 26-28 APRIL 163/165/165

90-DAY MEAN 25 APRIL 144

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 APRIL 31

ESTIMATED AFR/AP 25 APRIL 12/17

PREDICTED AFR/AP 26-28 APRIL 12/15 - 12/15 - 12/12

SOLTERWARN

BT

HFUS 1 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 116

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 26 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE DURING THE PAST 24 HOURS. REGIONS 1092 (N23E56), 1086 (N21W52), 1083 (N15W49) AND A NEW GROUP 1095 (N22E75) ARE THE FOCAL POINTS OF INTEREST. REGION 1092 PRODUCED AN M2 X-RAY BURST AT 26/1954Z. THIS EVENT WAS CLASSED AN OPTICAL 2B BY ONE OBSERVATORY AND A 2N BY ANOTHER OBSERVATORY. REGION 1092 RETAINS ITS DELTA CONFIGURATION AND WILL CONTINUE TO POSE A THREAT FOR ENERGETIC ACTIVITY. REGION 1086 ALSO RETAINS ITS DELTA CONFIGURATION BUT OPTICAL REPORTS INDICATE THAT THE GRADIENT MAY BE MORE RELAXED THAN YESTERDAY. THE NEW REGION, 1095, HAS PRODUCED SURGE ACTIVITY MOST OF TODAY AND IT APPEARS THAT THE LARGE LEADER SPOT HAS A TRAILER. REGION 1083 IS STILL INTERESTING BY VIRTUE OF ITS SIZE, COMPLEXITY AND PROXIMITY TO 1086. THE OTHER DISK FEATURES ARE UNIMPRESSIVE BY COMPARISON.

IB. SOLAR ACTIVITY WILL BE MODERATE DURING THE COMING 24 HOURS.

II. THE GEOMAGNETIC FIELD IS QUIET TO UNSETTLED AND NO SIGNIFICANT CHANGE IS EXPECTED.

III. EVENT PROBABILITIES 27-29 APR

CLASS M 90/90/90

CLASS X 40/40/40

PROTON 15/15/15

PCAF YELLOW

IV. OTAWA 10.7 CM FLUX

OBSERVED 26 APR 165

PREDICTED 27-29 APR 168/172/175

90-DAY MEAN 26 APR 145

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 APR 16

ESTIMATED AFR/AP 26 APR 18/22

PREDICTED AFR/AP 27-29 APR 12/12 - 12/12 - 15/20

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