

HFUS 3 BOU 250430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 145A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 25 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST EIGHT HOURS. ALL
THE REGIONS HAVE BEEN QUIET AND STABLE. REGION 1129 (N17E36) HAS
SHOWN NO GROWTH OR ANY UNSTABLE PARAMETERS.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE. REGION 1129 IS CAPABLE
OF ENERGETIC FLARE PRODUCTION.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED DURING THE PAST EIGHT
HOURS AND IS EXPECTED TO CONTINUE AT THAT LEVEL DURING NEXT 24
HOURS.

III. EVENT PROBABILITIES 25 MAY - 27 MAY

CLASS M 60/80/80

CLASS X 05/10/10

PREDICTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 MAY 145

PREDICTED 25-27 MAY 149/152/154

90-DAY MEAN 24 MAY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 MAY 26

ESTIMATED AFR/AP 24 MAY 23/29

PREDICTED AFR/AP 25-27 MAY 12/15 - 10/10 - 18/20

SOLTERWARN

BT

HFUS/3 BOU 25 15 00

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 145B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 25 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST EIGHT HOURS. ONLY CLASS C X-RAY EVENTS HAVE BEEN OBSERVED. TWO NEW REGIONS HAVE BEEN OBSERVED - 1133 (N22E21) EMERGED NW OF REGION 1129 AND CONTAINS AN A SPOT, 1134 (N20E76) HAS ROTATED ONTO THE DISK AS A NS ORIENTED BETA. 1129 (N18E32) AND 1131 (N25E50) APPEAR TO BE INTERACTING AND PRODUCED A 2N/C3 EVENT BEGINNING AT 0540Z. A WEAK TYPE II WAS REPORTED OVER THE SW LIMB AT 0342Z.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. 1129 RETAINS ITS MAJOR ACTIVITY CAPABILITIES AND CONTINUED INTERACTION WITH 1131 MAY RESULT IN INCREASED FLARE PRODUCTION.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETLED. QUIET TO UNSETLED CONDITIONS ARE EXPECTED TO CONTINUE.

III. EVENT PROBABILITIES 25 MAY - 27 MAY

CLASS M 60/80/80

CLASS X 05/10/10

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 MAY 145

PREDICTED 25-27 MAY 149/152/154

90-DAY MEAN 24 MAY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 MAY 26

ESTIMATED AFR/AP 24 MAY 23/29

PREDICTED AFR/AP 25-27 MAY 12/15 - 10/10 - 18/20

SOLTERWARN

BT

HFUS 1 BOU 252200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO
SDF NUMBER 145

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 25 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN RESTRICTED TO CLASS C X-RAY BURST SINCE 2200Z YESTERDAY. REGION 1129 (N18E27) STILL COMMANDS CLOSE ATTENTION IN THAT ITS COMPLEXITY REMAINS INTACT BUT ITS BEHAVIOR TO THIS POINT HAS BEEN INCONSISTENT WITH THAT COMPLEXITY. SEVERAL SMALL REGIONS HAVE APPEARED SINCE YESTERDAY. REGIONS 1134 (N18E67) AND 1135 (N22E72) ROTATED OVER THE LIMB AND 1133 (N24E16) WAS BORN ON THE DISK. ALL ARE SIMPLE AND QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE DURING THE COMING 24 HOURS.

II. THE GEOMAGNETIC FIELD IS GENERALLY UNSETLED. NO CHANGE IS EXPECTED FOR THE NEXT 24 HOURS; HOWEVER, RECURRENT ACTIVITY SHOULD CAUSE AN INCREASING TREND IN THE FIELD BY 27 MAY WITH MINOR STORM CONDITIONS POSSIBLE BY 28 MAY.

III. EVENT PROBABILITIES 26 - 28 MAY

CLASS M 50/50/50

CLAS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 MAY 144

PREDICTED 26 - 28 MAY 147/151/155

90-DAY MEAN 25 MAY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 MAY 26

ESTIMATED AFR/AP 25 MAY 14/17

PREDICTED AFR/AP 26 - 28 MAY 10/10 - 18/20 - 35/35

SOLTERWARN

BT