

4FUS 3 BOU-29 343.0

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.

SDF NUMBER 149A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 05 00Z 29 MAY 1978

I A. SOLAR ACTIVITY WAS LOW DURING THE PAST SEVEN HOURS WITH ONLY C-CLASS EVENTS BEING OBSERVED.

I B. SOLAR ACTIVITY IS EXPECTED TO BE GENERALLY MODERATE DURING THE REST OF THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD WAS QUIET DURING THE PAST SEVEN HOURS. UNSETLED TO ACTIVE CONDITIONS SHOULD DEVELOP DURING THE NEXT THREE TO SIX HOURS.

III. EVENT PROBABILITIES 29 MAY - 31 MAY

CLASS M 80/80/80

CLASS X 15/15/15

PROTON 15/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 MAY 145

PREDICTED 29-31 MAY 145/146/145

90-DAY MEAN 28 MAY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 MAY 05

ESTIMATED AFR/AP 28 MAY 25/10

PREDICTED AFR/AP 29-31 MAY 20/20 - 15/15 - 10/1

SOLTERWARN

BT

HFUS 3 BOU 29 1500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 149B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 29 MAY 1978

I A. SOLAR ACTIVITY WAS AT A LOW LEVEL DURING THE PAST EIGHT HOURS.
OBSERVATORIES HAVE BEEN HAMPERED BY CLOUDS AND MAINTENANCE, BUT
X-RAY DATA SHOWS THAT ONLY A FEW C-CLASS BURSTS HAVE OCCURRED.
LIMITED INFORMATION SUGGEST THAT ENERGETIC ACTIVITY FROM REGION
1129 (N 17W 19) IS STILL LIKELY.

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

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET SO FAR THIS ZULU DAY.
ACTIVE CONDITIONS ARE EXPECTED LATER TODAY.

III. EVENT PROBABILITIES 29 MAY - 31 MAY

CLASS M 80/80/80

CLASS X 15/15/15

PROTON 15/10/10

PCAF GREEN

IV. OTTAWA 12.7 CM FLUX

OBSERVED 28 MAY 145

PREDICTED 29-31 MAY 145/145/145

90-DAY MEAN 28 MAY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 MAY 25

ESTIMATED AFR/AP 28 MAY 25/10

PREDICTED AFR/AP 29-31 MAY 12/15 - 15/15 - 10/10

SOLTERWARM

BT

HFUS 1 BOU 292230

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 149

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 29 MAY 1978

I A. SOLAR ACTIVITY HAS BEEN MODERATE THE PAST 24 HOURS. THE MOST SIGNIFICANT ACTIVITY WAS A 1B FLARE WITH M-5 X-RAY EMISSION FROM REGION 1129 (N17W25) AT 291741Z. THIS EVENT ALSO HAD A 250 FLUX UNIT BURST AT 2695 MHZ. REGION 1129 RETAINS ITS COMPLEXITY AND THREATENING APPEARANCE AND THE E-W FILAMENT IN THE REGION IS BROADER, LONGER AND DARKER THAN YESTERDAY. REGION 1137 (S22E32) HAS REDEVELOPED ITS SPOT GROUP AND A NEW REGION 1138 (S23W63) FORMED EARLY TODAY WITH A SMALL CLASS B SPOT GROUP. NO SIGNIFICANT CHANGES IN THE REST OF THE DISK HAVE BEEN NOTED.

I B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A MODERATE LEVEL.

II. THE GEOMAGNETIC FIELD IS QUIET TO UNSETLED. GENERALLY ACTIVE CONDITIONS ARE EXPECTED ON 30 MAY.

III. EVENT PROBABILITIES 30 MAY - 01 JUNE

CLASS M 80/80/80

CLASS X 15/15/15

PROTON 10/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 MAY 145

PREDICTED 30 MAY - 01 JUNE 144/144/144

90-DAY MEAN 29 MAY 147

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 28 MAY 35

ESTIMATED AFR/AP 29 MAY 09/29

PREDICTED AFR/AP 30 MAY - 01 JUNE 20/20 - 15/15 - 10/10

SOLTERWARN

BT