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HFUS 1 BOU 280600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 179A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 28 JUNE 1973

IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. NEW RGN
156(S09E08) IS NOW REPORTED AS A SMALL GROWING B-TYPE SPOT
GROUP. RGN 149(S03W42) AND 150(S14W34) ARE REPORTED AS STABLE.

IB. NO CHANGE

II. A MINOR SUBSTORM (K-INDEX OF 4) OCCURRED FROM 0250Z TO
0400Z. OTHERWISE THE FIELD HAS BEEN QUIET.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 281300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 179B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 28 JUNE 1973

IA. SOLAR ACTIVITY HAS BEEN LOW SINCE THE LAST PRIMARY REPORT. ONE
X-RAY BURST WAS REPORTED, WITH MAXIMUM SLIGHTLY BEFORE 0720 UT. NO
OPTICAL EVENT HAS BEEN REPORTED IN ASSOCIATION WITH THIS EVENT. A
NEW ACTIVE REGION IS CURRENTLY AT EAST LIMB (AT S07).

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE (TWO K-VALUES OF 4) DURING
THE LAST 12 HOURS. THE FIELD IS EXPECTED TO REMAIN UNSETTLED DURING
THE FORECAST PERIOD.

III. EVENT PROBABILITIES 28 JUN - 30 JUN

CLASS M 30/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 JUN 92

PREDICTED 28 JUN - 30 JUN 88/86/84

90-DAY MEAN 27 JUN 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 JUN 06

ESTIMATED 27 JUN 05

PREDICTED 28 JUN - 30 JUN 15/12/12

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HFUS BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 179

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 28 JUNE 1973.

IA. SOLAR ACTIVITY HAS BEEN LOW, BUT A SIGNIFICANT EVENT OCCURRED AT 1840Z AT N10 OVER THE EAST LIMB. THE EVENT HAD TWO PHASES. THE FIRST WAS MINOR EJECTION OF MATTER ACCOMPANIED BY A MINOR (C8) X-RAY BURST AT 1845Z. THE SECOND PHASE WAS AN EXPLOSIVE EJECTION OF MATERIAL (IMP 3 SPRAY) AT 1900Z ACCOMPANIED BY A MODERATE (M6) X-RAY BURST, MINOR CENTIMETRIC BURSTS, MODERATE IONOSPHERIC EFFECTS AND NO DEKAMETRIC BURSTS. MATERIAL WAS OBSERVED OUT TO .25 SOLAR RADII. THE VERY BRIGHT TOPS OF LOOPS WERE ALSO OBSERVED. ANCHORAGE REPORTED .5 DB ABSORPTION ON THEIR RIOMETER NETWORK AT 1902Z. THIS ACTIVITY IS APPARENTLY FROM OLD REGION 127 WHICH IS DUE BACK 29 JUNE. ALL OTHER REGIONS ARE STABLE OR SLOWLY DECLINING.

IB. PROBABILITY OF SOLAR ACTIVITY WILL INCREASE AS OLD REGION 127 RETURNS. ACTIVITY IS EXPECTED TO BE AT LEAST MODERATE IN THIS REGION.

II. THE GEOMAGNETIC FIELD IS UNSETTLED TO ACTIVE DUE TO A RECURRING MINOR STORM WHICH BEGAN ABOUT 280400Z. THIS STORM IS EXPECTED TO LAST UNTIL 02 JULY 73.

III. EVENT PROBABILITIES 29 JUN - 01 JUL.

CLASS M 35/45/45

CLASS X 01/05/05

PROTON 01/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 28 JUN 92

PREDICTED 29 JUN - 01 JUL 91/90/91

90-DAY MEAN 28 JUN 98

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 27 JUN 04

ESTIMATED 28 JUN 15

PREDICTED 29 JUN - 01 JUL 12/10/10

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MINOR STORM ?