

HFUS 1 BOU 220600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 173A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 22 JUNE 1974

IA. SOLAR ACTIVITY DURING THE PAST 24 HOURS CONSISTED OF ONLY THE FOLLOWING SMALL EVENTS ALL ASSOCIATED WITH A LARGE ACTIVE FILAMENT IN THE DECAYING REGION 428 (S12W41): 1402Z 1N/C0, 1726Z 1F/C3, 0329Z 1N/C1. THE C3 EVENT PRODUCED MEASURABLE HARD X-RAYS AND WAS LONG LIVED. ITS MAXIMUM IN BOTH OPTICAL AND X-RAYS OCCURRED AT 1854Z. FILAMENT ACTIVITY AND PLAGE BRIGHTENINGS HAVE INCREASED IN THE SMALL SPOTLESS REGION 429 (N10E21).

IB. SOME INCREASE IN PROMINENCE ACTIVITY IS EXPECTED DURING THE NEXT THREE DAYS AS A LONG-LIVED SECTOR-BOUNDARY NEUTRAL LINE CROSSES EAST LIMB. NO FLARE ACTIVITY ABOVE C-LEVEL IS EXPECTED.

II. THE GEOMAGNETIC FIELD WAS QUIET UNTIL 0240Z WHEN A SUBSTORM BROUGHT ACTIVE CONDITIONS. UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED FOR THE REMAINDER OF THE FORECAST PERIOD.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HFUS 1 BOU 221400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 173B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 22 JUNE 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS, AND
NO FLARES HAVE BEEN REPORTED. THE NEUTRAL LINE FILAMENT IN REGION
428(S12W46) HAS BEEN SLIGHTLY ACTIVE RECENTLY. THE NEARLY EAST-WEST
NEUTRAL LINE FILAMENT OF REGION 429(N08E16) ALSO HAS BEEN ACTIVE.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A VERY LOW LEVEL.

SPORADIC SUBFLARES MAY OCCUR IN REGIONS 428 AND 429.

II. GENERALLY QUIET GEOMAGNETIC CONDITIONS HAVE PREVAILED DURING
THE PAST 8 HOURS. QUIET TO UNSETTLED CONDITIONS ARE LIKELY THROUGH
THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 22 - 24 JUNE

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 JUNE 079

PREDICTED 22 - 24 JUNE 079/078/078

90-DAY MEAN 21 JUNE 088

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 JUNE 17

ESTIMATED AFR/AP 21 JUNE 07/08

PREDICTED AFR/AP 22 - 24 JUNE 10/11 - 12/13 - 08/09

SOLTERWARN

SPAN

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HFUS BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 173

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 22 JUNE 1974

IA. SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL DURING THE PAST 24 HOURS. THE MOST ENERGETIC EVENT REPORTED WAS AN IMPORTANCE ONE-NORMAL CLASS C-1 FLARE THAT OCCURRED IN REGION 428 (S14W48) AT 22/0341Z. REGION 428 HAS CONTINUED TO DECAY BUT STILL EXHIBITS A MODERATELY ACTIVE NEUTRAL-LINE FILAMENT CROWDED BY MODERATELY ENHANCED PLAGE. REGION 429 (N12E09) HAS SHOWN SLIGHT ACTIVITY ALONG ITS NEUTRAL-LINE FILAMENT BUT OTHERWISE HAS REMAINED RELATIVELY UNIMPRESSIVE.

IB. A VERY LOW LEVEL OF SOLAR ACTIVITY IS EXPECTED DURING THE NEXT THREE DAYS. REGION 428 MAY PRODUCE INFREQUENT SMALL FLARES AS DECAY CONTINUES.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED FROM ABOUT 22/0000-0600Z AND HAS BEEN RELATIVELY QUIET SINCE 0600Z. QUIET TO UNSETTLED GEOMAGNETIC CONDITIONS ARE LIKELY DURING THE THREE-DAY FORECAST PERIOD.

III. EVENT PROBABILITIES 23 - 25 JUNE

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 JUNE 80

PREDICTED 23 - 25 JUNE 78/79/81

90-DAY MEAN 22 JUNE 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 JUNE 06

ESTIMATED AFR/AP 22 JUNE 08/11

PREDICTED AFR/AP 23 - 25 JUNE 12/13 - 08/09 - 10/11

SOLTERWARN

SPAN

BT