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HFUS 1 BOU 200600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 020A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 20 JANUARY 1974

IA. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. ALL THE REGIONS APPEAR
STABLE AND ONLY ONE NON-ENERGETIC SUBFLARE HAS BEEN OBSERVED DURING
THE PAST EIGHT HOURS.

IB. SOLAR ACTIVITY WILL CONTINUE AT A LOW LEVEL.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY DISTURBED BUT WILL NOT
BECOME ACTIVE TO STORM INTENSITY.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HFUS 1 BOU 201300
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 020B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 20 JAN 1974

IA. SOLAR ACTIVITY CONTINUES LOW WITH TWO NON-ENERGETIC SUBFLARES REPORTED DURING THE LAST 24 HOURS, BOTH FROM REGION 331 (N05W31). THIS REGION CONTINUES TO GROW IN BOTH WHITE LIGHT AND H ALPHA AND NOW CONTAINS A BRIGHT COMPACT PLAGE AND AN ARCH FILAMENT SYSTEM. REGION 321 (S15W10) HAS SHOWN SOME DECAY, BUT A NEW BIPOLEAR PLAGE AREA HAS BEEN OBSERVED NEAR THE SOUTHERN TRAILING PORTION WHICH MAY INDICATE INCREASING MAGNETIC COMPLEXITY.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW. HOWEVER, IF REGION 331 CONTINUES TO DEVELOPE, LATER FORECASTS MAY INDICATE HIGHER PROBABILITIES OF CLASS M EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED DURING THE LAST 12 HOURS, BUT GENERALLY QUIET CONDITIONS ARE EXPECTED TO DEVELOPE EARLY IN THE FORECAST PERIOD AND CONTINUE THROUGH THE NEXT 3 DAYS.

III. EVENT PROBABILITIES 20 JAN - 22 JAN

CLASS M 10/10/10
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 JAN 89
PREDICTED 20 JAN-22 JAN 88/87/85
90-DAY MEAN 19 JAN 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 JAN 17
ESTIMATED AFR/AP 19 JAN 06/07
PREDICTED AFR/AP 20 JAN-22 JAN 11/12 - 05/06 - 05/06

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HFUS BOU 202200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 020
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 20 JAN 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 24 HOURS, AND ONLY THREE RELATIVELY NON-ENERGETIC SUBFLARES HAVE BEEN REPORTED. TWO OF THESE EVENTS OCCURRED IN REGION 331 (N06W36), WHERE DEVELOPMENT IS STILL IN PROGRESS. REGION 331 CONTAINS AN ACTIVE ARCH-FILAMENT SYSTEM, ENHANCED PLAGE, AND A D-TYPE SPOT GROUP. REGION 321 PRODUCED A SUBFLARE AT 20/1836Z BUT HAS SHOWN LITTLE RECENT CHANGE.

A SMALL ABSORPTION FEATURE AND ENHANCED PLAGE WERE OBSERVED AT N42E02 AT 2110Z; THIS EVENT WAS UNUSUAL ONLY BECAUSE OF ITS HIGH-LATITUDE LOCATION. OTHER REGIONS HAVE REMAINED RELATIVELY QUIET AND UNIMPRESSIVE. THE PROMINENCE NEAR S20W90 HAS SHOWN RECENT ACTIVITY.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW DURING THE FORECAST PERIOD. CONTINUED GROWTH OF REGION 331 MAY LEAD TO AN INCREASE IN THE PROBABILITY OF SMALL ENERGETIC EVENTS. REGION 321 AND 331 ARE THE MOST LIKELY SITES FOR SPORADIC SUBFLARE ACTIVITY.

NO SIGNIFICANT REGIONS ARE EXPECTED TO RETURN TO THE EAST LIMB.
II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST 24 HOURS. QUIET TO UNSETTLED CONDITIONS ARE LIKELY DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 21 - 23 JAN

CLASS M 15/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 JAN 87

PREDICTED 21 - 23 JAN 87/85/83

90-DAY MEAN 20 JAN 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 JAN 07

ESTIMATED AFR/AP 20 JAN 10/11

PREDICTED AFR/AP 21 - 23 JAN 05/06 - 05/06 - 08/09

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