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HFUS 1 BOU 210600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 141A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 21 MAY 1974

IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. NO FLARES HAVE BEEN OBSERVED DURING THE PAST 8 HOURS. THE VISIBLE DISK IS WITHOUT ANY SPOTS.

IB. SOLAR ACTIVITY WILL CONTINUE AT A VERY LOW LEVEL.

II. THE MINOR GEOMAGNETIC DISTURBANCE CONTINUES. THE INTENSITY OF THE DISTURBANCE IS GRADUALLY DECREASING. THE DISTURBANCE WILL CONTINUE FOR THE NEXT 24 HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

SPAN

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HFUS 1 BOU 211400
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 141B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 21 MAY 1974
IA. SOLAR ACTIVITY, BOTH IN THE FORM OF FLARES AND CORONAL ACTIVITY,
CONTINUES VERY LOW.
IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE TO BE VERY LOW.
II. THE GEOMAGNETIC FIELD HAS QUIETED, AFTER BEING ACTIVE THROUGH
THE LOCAL NIGHT. RESUMED ACTIVITY IS EXPECTED DURING NIGHT HOURS.
PROTON FLUXES NEAR EARTH ARE AT QUIET BACKGROUND.
III. EVENT PROBABILITIES NO CHANGE
IV. OTTAWA 10.7 CM FLUX NO CHANGE
V. GEOMAGNETIC A INDICES NO CHANGE
SOLTERWARN
SPAN
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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER CO
SDF NUMBER 141

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 21 MAY 1974

IA. SOLAR FLARE ACTIVITY HAS BEEN VERY LOW. CURRENTLY ONLY THREE SMALL PLAGE REGIONS (NONE WITH VISIBLE SPOTS) ARE ON THE DISK. THE EAST LIMB IS SLIGHTLY ENHANCED IN LONG X-RAY MAPS, AND DEKAMETRIC RADIO EMISSION (TYPE III'S) HAVE BEGUN, AND MAY HERALD THE RETURN OF OLD ACTIVE REGIONS SEVERAL DAYS FROM NOW.

IB. FLARE ACTIVITY IS EXPECTED TO REMAIN VERY LOW DURING THE FORECAST PERIOD. CORONAL TRANSIENTS ARE POSSIBLE DURING THE NEXT SEVERAL DAYS.

II. THE GEOMAGNETIC FIELD WAS ACTIVE DURING LOCAL NIGHT AT ALL LATITUDES. IT HAS QUIETED DURING SUNLIT HOURS, BUT IS EXPECTED TO BE UNSETTLED AT NIGHT, AND ACTIVE AROUND LOCAL MIDNIGHT, DURING THE FORECAST PERIOD. A SLIGHT ENHANCEMENT OF LOW ENERGY PROTON FLUXES WAS RECORDED AT SATELLITE ALTITUDE BEGINNING BEFORE 1750 U.T. TODAY. THIS REPORT HAS NOT BEEN CONFIRMED BY OTHER SATELLITE OBSERVATIONS.

III. EVENT PROBABILITIES 22-24 MAY

CLASS M 03/03/03

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 MAY 70

PREDICTED 22-24 MAY 71/72/75

90-DAY MEAN 21 MAY 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 MAY 19

ESTIMATED AFR/AP 21 MAY 16/18

PREDICTED AFR/AP 22-24 MAY 17/20-17/20-17/20

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