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HFUS 1 BOU 290600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 119A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 29 APRIL 1974

IA. DURING THE PAST 8 HOURS A FEW NON ENERGETIC SUBFLARES HAVE BEEN
OBSERVED AND SURGE ACTIVITY HAS BEEN OBSERVED ON THE EAST LIMB. THE
DISK HAS BEEN STABLE AND QUIET.

IB. SOLAR ACTIVITY WILL CONTINUE AT PRESENT LEVEL DURING THE NEXT 8
HOURS.

II. THE GEOMAGNETIC FIELD IS STILL DISTURBED AND WILL CONTINUE TO BE
DISTURBED DURING THE NEXT 24 HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HFUS 1 BOU 291400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 119B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 29 APRIL 1974

IA. SOLAR FLARE ACTIVITY HAS BEEN VERY LOW DURING THE LAST 12 HOURS, WITH ONLY TWO NON-ENERGETIC FLARES REPORTED. TWO ACTIVE REGIONS, WITH SPOTS, ARE NOW ON THE DISK, AT N09E75 (NOW DESIGNATED 389) AND AT S03E79 (NOW DESIGNATED 390). THE LATTER REGION IS A RETURN OF AN OLD ACTIVE REGION, AND SEEMS QUITE DYNAMIC, WITH SURGES, PROMINENCE ACTIVITY AND DEKAMETRIC TYPE III'S REPORTED.

IB. SOLAR FLARE ACTIVITY IS EXPECTED TO REMAIN LOW, WITH SUBSTANTIAL CORONAL ACTIVITY ANTICIPATED IN THE NEXT 36 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE (AGAIN), AND IS EXPECTED TO QUIET SLIGHTLY DURING DAYLIGHT, AND AGAIN BECOME UNSETTLED DURING LOCAL NIGHTS. PROTON FLUXES NEAR EARTH ARE STILL DISTURBED IN LOW ENERGY POPULATIONS, WITH GREATEST VARIABILITY ON DAWN/DUSK SIDES OF MAGNETOSPHERE.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS BOU 292210

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 119

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 29 APRIL 1974

IA. FLARE ACTIVITY HAS BEEN VERY LOW DURING THE LAST 24 HOURS, WITH ONLY TWO NON-ENERGETIC FLARES REPORTED FROM AN ACTIVE REGION THAT HAS LOST ITS SPOTS. THREE REGIONS WITH SPOTS ARE NOW ON THE DISK, BUT THE TWO DESCRIBED IN SDF 118 DO NOT APPEAR DYNAMIC. A SPOT IS NOW VISIBLE IN NEW REGION 391 (N20W35), WHICH IS OF REVERSE POLARITY, AND SO MAY REPRESENT THE FIRST WHITE-LIGHT EVIDENCE OF NEW-CYCLE ACTIVITY. X-RAY FLUXES ARE STILL ENHANCED ABOVE EAST LIMB, SUGGESTING THAT THE RETURN OF OLD ACTIVE REGION 375 (AT S12, CURRENTLY MARKED BY LIMB ACTIVITY) IS IMMINENT.

IB. FLARE ACTIVITY IS EXPECTED TO REMAIN VERY LOW, PENDING OBSERVATION OF THE RETURN OF REGION 375.

II. THE GEOMAGNETIC FIELD CONTINUES TO BE ACTIVE, AND IS EXPECTED TO REMAIN UNSETTLED UNTIL LATE TOMORROW, WHEN IT MAY AGAIN BECOME ACTIVE. PROTON FLUXES AT SATELLITE ALTITUDES REMAIN DISTURBED AT LOW ENERGIES.

III. EVENT PROBABILITIES 30 APRIL - 2 MAY

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 APRIL 80

PREDICTED 30 APRIL - 2 MAY 84/86/87

90-DAY MEAN 29 APRIL 82

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 APRIL 18

ESTIMATED AFR/AP 29 APRIL 14/16

PREDICTED AFR/AP 30 APRIL - 2 MAY 15/17-25/33-18/21

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