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HFUS 1 BOU 010600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 121A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 01 MAY 1974

IA. SOLAR ACTIVITY CONTINUES TO BE MODERATE. REGION 392 (S09E75)
AND ITS ENVIRONS HAVE PRODUCED ONE CLASS ONE FLARE AND SEVERAL
SURGES, UP TO IMPORTANCE 2, IN THE PAST 8 HOURS.

IB. ENERGETIC ACTIVITY IS EXPECTED TO CONTINUE FROM REGION 392,
ALTHOUGH LIMB PROXIMITY PREVENTS A DETAILED ANALYSIS OF THIS REGION
AT THIS TIME.

II. THE GEOMAGNETIC FIELD CONTINUES ACTIVE TO UNSETLED. SIMILAR
CONDITIONS ARE EXPECTED THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 01-03 MAY

CLASS M 60/65/65

CLASS X 15/20/20

PROTON 01/03/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 APR 90

PREDICTED 01-03 MAY 94/98/102

90-DAY MEAN 30 APR 82

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 APR 16

ESTIMATED AFR/AP 30 APR 19/22

PREDICTED AFR/AP 01-03 MAY 25/33 - 18/21 - 15/17

SOLTERWARN

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KBOU KV

HFUS 1 BOU 011400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 121B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 01 MAY 1974

IA. SOLAR ACTIVITY APPARENTLY CONTINUES AT A MODERATE LEVEL, ALTHOUGH THERE WERE NO OPTICAL OR X-RAY OBSERVATIONS DURING PORTIONS OF THE LAST 8 HOURS. VELA OBSERVED AN M2 X-RAY EVENT AT 01/1008Z DURING A PERIOD WHEN NO OPTICAL OBSERVATIONS WERE BEING MADE. REGION 392 (S09E70) CONTAINS A D TYPE SPOT GROUP WHOSE MAGNETIC CONFIGURATION CANNOT YET BE DETERMINED DUE TO LIMB PROXIMITY. PLAGE REMAINS BRIGHT IN THIS REGION AND A 0B FLARE AT 01/1228Z WAS ACCCOMPANIED BY A C-6 X-RAY EVENT, SHORT WAVE FADES AND A STRONG TYPE III DEKAMETRIC BURST. REGION 393 (S13E84) IS RETURNING REGION 375 AND IS STILL ROTATING ONTO THE DISK WITH AN H TYPE SPOT NOW VISIBLE. THIS REGION CONTINUES TO PRODUCE SURGES WITH A 0N FLARE OBSERVED AT 01/1008Z. A NEW D-TYPE SPOT GROUP REGION 394, IS LOCATED AT N07W25. THIS REGION CONTAINS AN ARCH FILAMENT SYSTEM AND APPEARS TO BE GROWING.

IB. SOLAR ACTIVITY SHOULD CONTINUE MODERATE WITH A GOOD CHANCE OF ADDITIONAL CLASS M EVENTS DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BECOME QUIET, AND QUIET TO UNSETTLED CONDITIONS SHOULD CONTINUE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 01 MAY - 03 MAY

CLASS M 60/65/65

CLASS X 15/20/20

PROTON 01/03/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 APR 90

PREDICTED 01 MAY - 03 MAY 98/102/106

90-DAY MEAN 30 APR 82

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 APR 16

ESTIMATED AFR/AP 30 APR 19/22

PREDICTED AFR/AP 01 MAY - 03 MAY 07/08 - 10/11 - 10/11

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HFUS BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 121

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 01 MAY 1974

IA. SOLAR ACTIVITY CONTINUES AT A MODERATE LEVEL. DURING THE LAST 24 HOURS THERE HAVE BEEN SOME GAPS IN BOTH OPTICAL AND X-RAY OBSERVATIONS. THE MOST ENERGETIC EVENT OBSERVED WAS AN X-RAY CLASS M2 EVENT AS MEASURED BY VELA AT 01/1008Z, BUT NO OPTICAL OBSERVATIONS WERE AVAILABLE AT THAT TIME. REGION 392 (S07E66) CONTINUES TO PRODUCE OCCASIONAL SUBFLARES WITH AN APPARENTLY NON-ENERGETIC

IN FLARE AT 01/1848Z. A 0B FLARE AT 01/1228Z FROM THIS REGION WAS ACCCOMPANIED BY A C6 X-RAY BURST, STRONG SHORT WAVE FADES, AND A

STRONG RADIO BURST FROM DEKAMETRIC WAVELENGTHS (TYPE III).

THIS REGION CONTAINS A D TYPE SPOT GROUP WITH A DELTA CONFIGURATION

IN THE LEADER. NEW SPOTS, POSSIBLY A NEW GROUP,

APPEAR TO BE EMERGING JUST EAST OF THIS REGION. REGION 393

(S12E77), OLD REGION 375 ALSO CONTAINS A D-TYPE SPOT GROUP WITH

SOME SPOTS AND PLAGE EXTENDING TO THE LIMB WHERE SURGING CONTINUES.

A 0N FLARE WAS REPORTED FROM THIS REGION AT 01/1158Z. MAGNETIC

CONFIGURATION IN THIS REGION IS DIFFICULT TO DETERMINE DUE TO

LIMB PROXIMITY. NEW REGION 394 (N07W28) HAS GROWN RAPIDLY IN WHITE

LIGHT AND HAS A RELATIVELY SIMPLE BETA MAGNETIC CONFIGURATION.

THIS REGION CONTAINS A STRONG ARCH FILAMENT SYSTEM AND A BRIGHT

PLAGE, BUT HAS NOT YET PRODUCED ANY ACTIVITY.

IB. SOLAR ACTIVITY SHOULD CONTINUE AT A MODERATE LEVEL WITH A GOOD CHANCE OF ENERGETIC FLARES FROM REGIONS 392 AND 393.

II. THE GEOMAGNETIC FIELD HAS BECOME QUIET AND SHOULD REMAIN QUIET

TO UNSETLED DURING LOCAL DAYLIGHT HOURS, WITH SLIGHTLY MORE

DISTURBED CONDITIONS DURING LOCAL NIGHT HOURS.

III. EVENT PROBABILITIES 02 - 04 MAY

CLASS M 75/80/80

CLASS X 20/25/25

PROTON 03/05/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 MAY 98

PREDICTED 02 - 04 MAY 102/104/106

90-DAY MEAN 01 MAY 83

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 0 APRIL 19

ESTIMATED AFR/AP 01 MAY 06/07

PREDICTED AFR/AP 02 - 04 MAY 10/11 - 10/11 - 10/11

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