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HFUS 1 BOU 060600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 218A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 6 AUGUST 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW, WITH ONLY ONE (NONENERGETIC)
SUBFLARE REPORTED. THIS WAS OBSERVED IN REGION 462 (S06E73), WHICH
IS A SMALL BIPOLAR REGION. LIMB ACTIVITY IN THE LOWER CORONA APPEARS
TO HAVE SLOWED. AN ADDITIONAL SMALL (CLASS C2) X-RAY EVENT REACHED
ITS MAXIMUM AT 0522. NO OPTICAL EVENT IS YET ASSOCIATED WITH THIS
REPORT.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW.

II. THE GEOMAGNETIC FIELD BECAME ACTIVE DURING THE LAST SEVERAL
HOURS. IT IS EXPECTED TO REMAIN SPORADICALLY ACTIVE DURING HOURS OF
LOCAL NIGHT.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 061400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 218B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 6 AUGUST 1974

IA. SOLAR ACTIVITY CONTINUES VERY LOW. REGION 462 (S06E69) PRODUCED 2 SUBFLARES AT 06/0010Z AND 06/0522Z, THE LATTER FLARE REACHING A C2 X-RAY CLASS AS MEASURED BY GOES. THIS REGION NOW CONTAINS A SMALL D-TYPE SPOT GROUP WITH AN ARCH FILAMENT SYSTEM OBSERVED NEAR THE LEADER SPOT. AN ACTIVE SURGE REGION IS PRODUCING NEARLY CONTINUOUS ACTIVITY AT S16E90 WITH STRONG FACULAE OBSERVED JUST INSIDE THE LIMB, BUT AS YET NO SPOTS HAVE BEEN OBSERVED. A SINGLE SURGE WAS ALSO OBSERVED NEAR N15E90 AT 06/0856Z. THERE ARE NO OLD REGIONS DUE TO RETURN FOR THE NEXT 2 DAYS. SURGING AT S09W90 ASSOCIATED WITH DEPARTING REGION 457 APPEARS TO BE DECREASING.

IB. AT THIS TIME, SOLAR ACTIVITY IS EXPECTED TO CONTINUE VERY LOW. HOWEVER, THE APPEARANCE OF A DYNAMIC REGION OVER THE EAST LIMB OR FURTHER GROWTH IN REGION 462 COULD RESULT IN INCREASED PROBABILITIES OF ENERGETIC EVENTS IN LATER FORECASTS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AT TIMES DURING THE LAST 24 HOURS, AND ACTIVE CONDITIONS ARE EXPECTED TO CONTINUE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 06 AUG - 08 AUG

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 AUG 84

PREDICTED 06 AUG - 08 AUG 85/85/86

90-DAY MEAN 05 AUG 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 AUG 16

ESTIMATED AFR/AP 05 AUG 15/27

PREDICTED AFR/AP 06 AUG - 08 AUG 16/20 - 16/18 - 16/18

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HFUS BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 218

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 06 AUG 1974

IA. SOLAR ACTIVITY REMAINS VERY LOW. AN UNCONFIRMED SN FLARE WAS REPORTED AT 1930Z FROM A SMALL NEW REGION(463) AT S16 E80. A SMALL TYPE C SPOT GROUP IS PRESENT THERE. MINOR SPOT GROWTH CONTINUES IN REGION 462 (S06 E62) NORTHEAST OF THE LARGE H-SPOT (461) AT S09 E48. MINOR PROMINENCE ACTIVITY CONTINUES AT SOUTH-WEST LIMB. REGIONS 442 AND 445 HAVE RETURNED AS SCATTERED FAINT PLAGE AT S05 EAST LIMB.

IB. ACTIVITY WILL CONTINUE VERY LOW WITH SOME INCREASE IN SUB-FLARES AT THE INTERFACE BETWEEN REGIONS 461 AND 462. NO REGIONS ARE EXPECTED RETURNING AT EAST LIMB DURING THIS FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO QUIET FOR THE PAST 24 HOURS. A SHARP INCREASE IN ACTIVITY IS EXPECTED SOMETIME IN THE NEXT 12 HOURS FOLLOWED BY A RETURN TO UNSETLED CONDITIONS. THIS WILL BE A SHORT-LIVED RESPONSE TO A SECTOR BOUNDARY.

III. EVENT PROBABILITIES 07 - 09 AUGUST

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 AUGUST 86

PREDICTED 07 - 09 AUGUST 88/91/92

90-DAY MEAN 06 AUGUST 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 05 AUGUST 17

ESTIMATED AFR/AP 06 AUGUST 13/17

PREDICTED AFR/AP 07 - 09 AUGUST 16/18 - 16/18 - 16/18

SOLTERWARN

SPAN

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