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HFUS 1 BOU 290600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 149A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 29 MAY 1974

IA. SOLAR ACTIVITY REMAINS VERY LOW. THE REMAINS OF OLD REGION 393, NEAR S14E65, WAS REPORTED EARLIER TO CONTAIN AN A TYPE SPOT WHICH HAS NOW APPARENTLY DECAYED.

IB. NO SIGNIFICANT ACTIVITY IS EXPECTED, ALTHOUGH INCREASED FLARE PRODUCTION FROM REGION 413 (S16W76) IS POSSIBLE AS THIS REGION DECAYS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE DURING THE PAST 8 HOURS. ACTIVE CONDITIONS WORLDWIDE ARE EXPECTED FOR THE NEXT 48 HOURS, POSSIBLY TO BE FOLLOWED BY MINOR STORM CONDITIONS ON 31 MAY.

III. EVENT PROBABILITIES 29-31 MAY

CLASS M 20/15/10

CLASS X 03/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX - NO CHANGE

IV. GEOMAGNETIC A INDICES - NO CHANGE

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HFUS 1 BOU 291400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 149B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1400Z 29 MAY 1974

IA. SOLAR ACTIVITY CONTINUES VERY LOW. ONLY ONE SMALL SUB FAINT FLARE HAS BEEN REPORTED IN THE PAST 24 HOURS. THE REGIONS CURRENTLY APPEARING ON THE VISIBLE DISK ARE QUIET. THERE HAS BEEN CONSIDERABLE PROMINENCE ACTIVITY ALONG THE EAST LIMB, ASSOCIATED WITH RETURNING FILAMENT STRUCTURE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW TO VERY LOW THROUGH THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET DURING THE PAST 12 HOURS. THE FIELD IS EXPECTED TO RANGE FROM UNSETTLED TO MILDLY ACTIVE DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 29 MAY - 31 MAY

CLASS M 20/15/10

CLASS X 02/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 MAY 85

PREDICTED 29 MAY - 31 MAY 87/89/91

90-DAY MEAN 28 MAY 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 MAY 14

ESTIMATED AFR/AP 28 MAY 11/14

PREDICTED AFR/AP 29 MAY - 31 MAY 14/18 - 20/25 - 25/30

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HFUS BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 149

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

IA. SOLAR ACTIVITY HAS BEEN VERY LOW WITH NO FLARES REPORTED FOR MORE THAN 24 HOURS. REGION 413 (S15W83) HAS BEEN PRODUCING MINOR SURGES AS IT APPROACHES WEST LIMB. PROMINENCE ACTIVITY AND SURGING ON THE SOUTHEAST LIMB INDICATE THAT AN ACTIVE REGION IS ABOUT TO MOVE INTO VIEW OVER THE LIMB.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE THROUGH THE FORECAST PERIOD AS THE EAST LIMB COMPLEX COMES INTO VIEW. 050-7 LONG X-RAY READINGS IN THE VICINITY OF THE SOUTHEAST LIMB ARE UNUSUALLY HIGH, INDICATING THE COMPLEX MAY HAVE ENERGETIC FLARE POTENTIAL.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET FOR THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE UNSETLED TO MILDLY ACTIVE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 30 MAY - 01 JUNE 1974

CLASS M 15/20/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 MAY 87

PREDICTED 30 MAY - 01 JUNE 89/91/91

90-DAY MEAN 29 MAY 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 MAY 10

ESTIMATED AFR/AP 29 MAY 08/09

PREDICTED AFR/AP 30 MAY - 01 JUNE 15/17 - 15/17 - 15/17

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