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HFUS 1 BOU 300600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 211A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 30 JULY 1974

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW.

IB. ACTIVITY IS EXPECTED TO REMAIN VERY LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED-TO-ACTIVE AND IS EXPECTED TO REMAIN UNSETLED.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

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HFUS 1 BOU 301400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 211B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 30 JULY 1974

IA. SOLAR FLARE ACTIVITY HAS BEEN LOW DURING THE PAST EIGHT HOURS.
ONE FLARE, CLASSED AS IMPORTANCE ONE (FAINT) BY THE WENDELSTEIN
OBSERVATORY, WAS ASSOCIATED WITH A VERY SLIGHT ENHANCEMENT OF THE
X-RAY FLUX. THE FLARE WAS JUST SOUTH OF REGION 457 (S08 W09), IN
THE PLAGE BETWEEN THAT REGION AND REGION 454 (S15 W04), WHERE A
DISAPPEARING FILAMENT HAD BEEN REPORTED EARLIER.

IB. FLARE ACTIVITY IS EXPECTED TO REMAIN LOW, AND FLARES ARE NOT
EXPECTED TO BE ENERGETIC.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE PAST SIX
HOURS. IT IS EXPECTED TO QUIET SOMEWHAT DURING LOCAL DAYLIGHT,
AND THEN BECOME ACTIVE AS A (RECURRENT) MINOR MAGNETIC STORM
BEGINS LATE IN THE FORECAST PERIOD.

III. EVENT PROBABILITIES 30 JUL - 01 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 JUL 83

PREDICTED 30 JUL - 01 AUG 82/81/80

90-DAY MEAN 29 JUL 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 JULY 16

ESTIMATED AFR/AP 29 JULY 12/15

PREDICTED AFR/AP 30 JULY - 1 AUGUST 17/20 - 15/17 - 20/24

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HFUS BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 211

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 30 JULY 1974

IA. SOLAR ACTIVITY REMAINS VERY LOW WITH ONLY NON-ENERGETIC EVENTS OCCURRING. REGION 457 (S09W16) HAS CONTINUED A SLOW, STEADY GROWTH PATTERN. ITS SUNSPOT GROUP IS A SIMPLE BIPOLE; HOWEVER, ITS EMERGENCE IN OLD FIELDS HAS DEVELOPED A COMPLEX NEUTRAL LINE IN CONJUNCTION WITH REGION 454 (S14W06). THE X-RAY ENHANCEMENTS ON THE GOES SATELLITE HAVE BEEN INCREASING IN INTENSITY AND FREQUENCY.

IB. CLASS C X-RAY EVENTS ARE EXPECTED DURING THE FORECAST PERIOD. CONTINUED GROWTH OF REGION 457 MAY PRODUCE CLASS M ACTIVITY IN THE LATTER HALF OF THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED WITH ACTIVE CONDITIONS DURING LOCAL NIGHT TIME. THESE CONDITIONS ARE EXPECTED TO CONTINUE FOR THE NEXT 24-36 HOURS, FOLLOWED BY ACTIVE TO MINOR STORM CONDITIONS. THESE GEOMAGNETIC CONDITIONS FOR THE LATTER HALF OF THE FORECAST PERIOD ARE BASED ON AN EXPECTED RESIDUAL EFFECT FROM THE FLARE INDUCED STORM CONDITIONS WHICH OCCURRED IN EARLY JULY.

III. EVENT PROBABILITIES 31 JULY - 02 AUGUST

CLASS M 03/05/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 JULY 83

PREDICTED 31 JULY - 02 AUGUST 84/82/80

90-DAY MEAN 30 JULY 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 JULY 15

ESTIMATED AFR/AP 30 JULY 12/14

PREDICTED AFR/AP 31 JULY - 02 AUGUST 11/15 - 20/24 - 24/31

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