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HFUS 1 BOU 260600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 146A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 26 MAY 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. NO
FLARES HAVE BEEN OBSERVED. THE EAST LIMB HAS SHOWN A LITTLE ACTIVITY
AT N02 AND S11.

IB. THERE COULD BE AN INCREASE IN ACTIVITY FROM THE EAST LIMB
REGIONS. FURTHER EVALUATIONS ARE NECESSARY.

II. THE GEOMAGNETIC FIELD IS STILL DISTURBED TO SUB-STORM LEVEL. THE
INTENSITY OF THE DISTURBANCE WILL DECREASE SLIGHTLY DURING THE NEXT
24 HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HFUS 1 BOU 261400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 146B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 26 MAY 1974

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST 8 HOURS,
AND NO FLARES HAVE BEEN REPORTED. A NEW REGION HAS APPEARED AND
NOW IS DEVELOPING RAPIDLY AT S16W39. THIS REGION CONTAINS ARCH
FILAMENTS AND EMERGING BIPOLAR FIELDS OF APPARENTLY NORMAL
ORIENTATION. NO OTHER SIGNIFICANT ACTIVITY HAS BEEN REPORTED.

IB. SOLAR ACTIVITY MAY RISE SLIGHTLY IF THE NEW REGION AT S16W39
CONTINUES TO DEVELOP, BUT A VERY LOW LEVEL OF ACTIVITY PROBABLY WILL
CONTINUE THROUGH THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS REMAINED UNSETTLED DURING THE PAST
8 HOURS. UNSETTLED TO ACTIVE CONDITIONS ARE LIKELY DURING THE
REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 26 - 28 MAY

CLASS M 05/08/10

CLASS X 01/03/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 MAY 71

PREDICTED 26 - 28 MAY 73/77/82

90-DAY MEAN 25 MAY 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 MAY 28

ESTIMATED AFR/AP 25 MAY 15/19

PREDICTED AFR/AP 26 -28 MAY 15/17 - 18/21 - 15/17

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KBOU
HFUS BOU 262200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER CO
SDF NUMBER 146
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 26 MAY 1974
IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST 24 HOURS.
ONLY ONE ENERGETIC EVENT HAS BEEN REPORTED. THIS EVENT, WHICH MAY
HAVE INVOLVED A FLARE BEHIND THE LIMB, WAS OBSERVED AS A BRIGHT
MOUND AT S11E90 AT 26/1658Z. ALTHOUGH NO X-RAY MEASUREMENT OF THIS
EVENT HAS BEEN RECEIVED, MINOR IONOSPHERIC EFFECTS OBSERVED AT
ABOUT 26/1705Z SUGGEST THAT X-RAYS OF UNKNOWN INTENSITY WERE ASSOC-
IATED WITH THE BRIGHT MOUND. THIS MOUND WAS LOCATED NEAR THE SITE
OF OLD REGIONS 392, 393 AND 395, WHICH ARE DUE TO RETURN TO THE
DISK DURING THE NEXT TWO DAYS. LONG X-RAY DATA FROM THE OSO-7
SATELLITE INDICATE A SIGNIFICANT ENHANCEMENT NEAR S10E90, SUGGESTING
THAT AT LEAST ONE DYNAMIC REGION MAY EXIST BEHIND THE LIMB AT THAT
LOCATION. NEW REGION 413 (S16W42) HAS DEVELOPED RAPIDLY DURING THE
PAST 24 HOURS AND NOW CONTAINS ENHANCED PLAGE, ARCH-FILAMENTS, AND
A C-TYPE SPOT GROUP. GROWTH IN REGION 413 HAS SLOWED DURING THE PAST
SEVERAL HOURS. REGIONS 412 (N15W68) AND 414 (S04E74) BOTH CONTAIN
SMALL A-TYPE SPOT GROUPS AND DULL, UNIMPRESSIVE PLAGE.
IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE TO A LOW TO MODERATE
LEVEL DUE TO THE RETURN OF OLD REGIONS 392, 393 AND 395. LIMB
ACTIVITY, SOME OF IT PERHAPS ENERGETIC, IS LIKELY NEAR SE10 DURING
THE NEXT TWO DAYS. MINOR FLARES MAY OCCUR IN DEVELOPING REGION 413,
ESPECIALLY IF GROWTH CONTINUES THERE.
II. GENERALLY UNSETTLED GEOMAGNETIC CONDITIONS HAVE BEEN OBSERVED
DURING THE PAST 24 HOURS. UNSETTLED TO ACTIVE CONDITIONS ARE LIKELY
DURING THE THREE-DAY FORECAST PERIOD.
III. EVENT PROBABILITIES 27-29 MAY
CLASS M 25/30/30
CLASS X 02/03/03
PROTON 01/01/01
PCAF GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 26 MAY 78
PREDICTED 27-29 MAY 83/89/95
90-DAY MEAN 26 MAY 85
V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 25 MAY 15
ESTIMATED AFR/AP 26 MAY 11/15
PREDICTED AFR/AP 27-29 MAY 18/21-15/17-18/21
SOLTERWARN
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