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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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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 ASSOCIATED 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

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