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HFUS3 BOU 142210 COR  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF N

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05/14 22:10

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HFUS3 BOU 142210 COR  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 134  
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 14 MAY 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100 TO 14/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE LAST 24 HOURS. THERE ARE NO NUMBERED REGIONS OR SPOTS ON THE DISK. A SLOW RISE IN THE X-RAY BACKGROUND FLUX, WHICH BEGAN AT APPROXIMATELY 1800 UT 13 MAY, CONTINUED THROUGH FORECAST TIME.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW FOR THE NEXT THREE DAYS. REGION 4726 (N03, L-117 CLASS/AREA DKI/480 ON 24 APRIL) IS DUE TO RETURN LATE ON 14 MAY, BUT NO SPOTS HAVE BEEN OBSERVED. THE INCREASE IN X-RAY FLUX, SURGING AT THE EAST LIMB, AND AN ENHANCEMENT IN THE 10 CM (2800 MHZ) RADIO FLUX AT THE EAST LIMB MAY BE EVIDENCE OF THE RETURNING REGION. THIS REGION PRODUCED C AND M CLASS X-RAY FLARES ON THE LAST SOLAR ROTATION, BUT THE CHANCE FOR ADDITIONAL C AND M CLASS FLARES ON THIS ROTATION IS SMALL.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 13/2100Z TO 14/2100Z:  
THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED AT ALL LATITUDES FOR THE PAST 24 HOURS.

IB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED FOR THE NEXT 24 HOURS AND UNSETTLED TO SLIGHTLY ACTIVE FOR THE SUBSEQUENT 48 HOURS. A SHORT-LIVED GEOMAGNETIC DISTURBANCE IS FORECAST FOR 16-17 MAY. THE FORECAST IS BASED ON THE PRESENCE OF A SMALL CORONAL HOLE NEAR THE SUBEARTH POINT ON 13 MAY (IRON XIV DATA) AND AN EXPECTED 50 PERCENT INCREASE IN THE SOLAR WIND SPEED BEGINNING 16 MAY (INTERPLANETARY SCINTILLATION DATA).

III. EVENT PROBABILITIES 15 MAY-17 MAY

CLASS M 05/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 MAY 070

PREDICTED 15 MAY-17 MAY 072/074/075

90 DAY MEAN 14 MAY 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 MAY 006/008

ESTIMATED AFR/AP 14 MAY 006/009

PREDICTED AFR/AP 15 MAY-17 MAY 008/012-012/018-010/015

SOLTERWARN

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SESC Solar Summary and Forecast - For Joe Hirman

Begin: 05/14/86 00:00:00

End : 05/14/86 23:59:00

05/14 22:00

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HPUSS3 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

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