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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 (NO3,  
L-117 CLASS/AREA DK1/480 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.

B. 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

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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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FM US3 BOU 142200

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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.

IIB. 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 SUBE??45(TS25H3HLHSP(J2T3(V2(QUPHHH16TQOU1H TR WIND SPEED BEGINNING 16 MAY

(INTERPLANETARY SCINTILLATION DATA).

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