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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 128

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 07 MAY 1980

24/8-2428 IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE LAST 24 HOURS. REGION
(S20W24) PRODUCED ONE M4/1B FLARE WITH ASSOCIATED SHORT WAVE
FADE, AND RADIO BURSTS AT ALL FREQUENCIES. MAXIMUM TIME OF THIS
EVENT OCCURRED AT 1320 UT. AN ALERT WAS ISSUED FOR THE OPTICAL
EVENT, AND FOR THE 10CM RADIO FLUX WHICH REACHED 280 FLUX UNITS
OVER BACKGROUND. FIVE NEW REGIONS WERE NUMBERED 2438 (S16E71),
2439 (S13W11), 2440 (N19E04), 2441 (N07E37), AND 2442 (S22E63).
10CM RADIO FLUX FROM THE EAST LIMB IS HIGHER THAN WOULD BE
EXPECTED FROM REGION 2438. THERE ARE NO RETURNING REGIONS TO
REPORT.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW FOR 24 HOURS. REGION
2418 IS A GOOD PROSPECT FOR ACTIVITY. IT APPEARS TO CONTAIN MORE
COMPLICATED STRUCTURE, AND A MAGNETIC DELTA IS AGAIN OBSERVED.
REGION 2438 (S16E71) DOES NOT SHOW CLEAR PROSPECTS, AND REGION
2411 (S18W86) WILL SOON BE GONE. RADIO FLUX FROM THE EAST LIMB MAY
INDICATE A NEW ACTIVE REGION ARRIVING.

II. GEOMAGNETIC ACTIVITY HAS BEEN UNSETTLED DURING THE LAST 24
HOURS. IT IS EXPECTED TO REMAIN UNSETTLED FOR ANOTHER 24 HOURS.

III. EVENT PROBABILITIES 08 MAY - 10 MAY

CLASS M 50/50/50

CLASS X 05/05/05

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 MAY 201

PREDICTED 08-10 MAY 200/202/200

90-DAY MEAN 07 MAY 192

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 MAY 06

ESTIMATED AFR/AP 07 MAY 08/10

PREDICTED AFR/AP 08-10 MAY 06/10 - 05/07 - 05/08

SOLTERWARN

BT