

HF US 3 BOA 062200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDR NUMBER 212

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 06 AUG 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100 TO 06/2100Z: SOLAR ACTIVITY WAS AT A LOW LEVEL WITH ONLY SMALL CLASS FLARES BEING OBSERVED. REGION 4263 (S10W52) APPEARS TO BE DETERIORATING ALTHOUGH NEW SPOTS HAD BEEN REPORTED IN THE TRAILER EARLY IN THE DAY. REG ON 4263 REMAINS MAGNETICALLY COMPLEX. NEARBY REGION 4267 (S22W40) HAS LOST MOST OF ITS SPOTS AND IS NOW BEING CARRIED AS AN HSX SPOT GROUP. REG ON 4277 (N05E67) WAS NUMBERED TODAY, BUT IT MAY HAVE ALREADY LOST ITS SPOTS. THE 10CM EAST WEST SCAN INDICATES NEW FLUX AT THE EAST LIMB. OLD REGIONS 4251 AND 4249 ARE DUE TO RETURN NEAR S05 ON 7 AUGUST.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW TO MODERATE LEVEL. CLASS M FLARES REMAIN POSSIBLE FROM THE 4263/4267 COMPLEX. THE REG ON(S) APPROACHING THE EAST LIMB MAY BEGIN TO CONTRIBUTE TO THE FLARE ACTIVITY OVER THE NEXT TWO DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z: THE GEOMAGNETIC FIELD HAS BEEN BASICALLY QUIET THRU THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET TO UNSETLED THRU THE FORECAST PERIOD.

III. EVENT PROBABILITIES 07 AUG-09 AUG

CLASS M 50/40/30

CLASS X 41/01/01

PROTON 01/01/01

PCAF GREEN

IV.9# OTTAWA, 10.7 CM FLUX

OBSERVED 06 AUG 138

PREDICTED 07 AUG 09 AUG 134/130/128

90 DAY MEAN 046 AUG 134

V. GEOMAGNETIC INDICES

OBSERVED AFR/AP 05 AUG 003/006

ESTIMATED AFR/AP 06 AUG 005/015

PREDICTED AFR/AP 07 AUG 09 AUG 12/015-012/015-010/015

SOLAR WARN

BT

NNNN SV

END