

HFUS 1 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 129

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 08 MAY 1980

IA. SOLAR ACTIVITY HAS BEEN VERGING ON MODERATE FOR THE PAST 24 HOURS. REGION 2418 (S20W37) HAS PRODUCED FOUR CLASS M1/SB FLARES WITH RADIO BURSTS AT 10 CM UP TO 180 FLUX UNITS. THE SPOT GROUP IN REGION 2418 HAS GROWN SLIGHTLY IN THE NUMBER OF SPOTS AND ALSO IN THE COMPLEXITY OF THE DELTA CONFIGURATION. REGION 2440 (N12W08) HAS GROWN TO A D TYPE SPOT GROUP IN A COMPACT FLARE WITH AN ARCH FILAMENT SYSTEM. THE REGION HAS NOT PRODUCED ANY FLARES. REGION 2438 (S16E60) IS NOW CLEARLY VISABLE AS A CLASS D SPOT GROUP, BUT IS APPARENTLY STABLE AND INACTIVE. A NEW REGION IS ROTATING ONTO THE DISK AT S19 BUT A SPOT GROUP IS NOT YET VISABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT THE PRESENT LEVEL FOR THE NEXT 24 HOURS. SHOULD REGION 2418 PRODUCE A PROTON EVENT THE PROBABILITY OF RECEPTION OF PROTONS AT THE EARTH INCREASES AS THE REGION NEARS WEST LIMB.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED TO QUIET DURING THE PAST 24 HOURS. IT IS EXPECTED TO REMAIN QUIET FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 09 MAY - 11 MAY

CLASS M 60/60/60

CLASS X 05/05/05

PROTON 01/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 MAY 202

PREDICTED 09 MAY - 11 MAY 200/198/198

90-DAY MEAN 08 MAY 191

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 MAY 09

ESTIMATED AFR/AP 08 MAY 08/10

PREDICTED AFR/AP 09 MAY - 11 MAY 05/08 05/07 05/07

SOLTERWARN

BT